ARCHITECT

THE DIMENSION GROUP

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STUCTURAL ENGINEER LALONDE ENGINEERING

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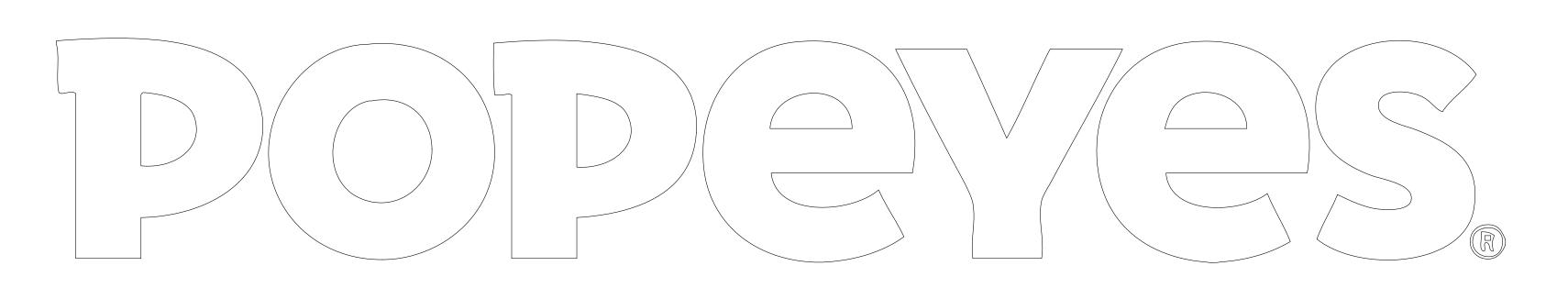
DRAWING LIST

DRA	WING LIST
CS	COVER PAGE
AS1.1	ARCHITECTURAL SITE PLAN
AS2.1	MENU SIGN DETAILS SINGLE DOUBLE DRIVE-THRU
AS2.2	SITE DETAILS - TRASH ENCLOSURE WOOD
AS2.3	SITE DETAILS
AS2.4	LIFE SAFETY & EXITING PLAN
A1	FLOOR PLAN AND SCHEDULES
A2	EQUIPMENT PLAN AND SCHEDULES
A3	REFLECTED CEILING PLAN & DETAILS
A4	ROOF PLAN AND DETAILS
A4.1	ROOF DETAILS
A5	EXTERIOR ELEVATIONS
A5.1	EXTERIOR ELEVATIONS
A6	BUILDING SECTIONS
A6.1	WALL SECTIONS
A6.2	WALL SECTIONS
A6.3	WALL SECTIONS
A7	SECTION DETAILS
A7.1	PLAN DETAILS
A8	DETAILS
A9	INTERIOR ELEVATIONS
A9.1	INTERIOR ELEVATIONS
A9.2	INTERIOR ELEVATIONS
A9.3	WASHROOM DETAILS
A10	TILE PLAN AND FINISHING SCHEDULE
A11	DOOR AND WINDOW SCHEDULES
A12	FINISH SCHEDULE
A12.1	FINISH SCHEDULE
A12.2	FINISH SCHEDULE
A12.3	FINISH SCHEDULE
S0.1	STRUCTURAL NOTES
S1.1	FOUNDATION PLAN
S1.1 S1.2	STRUCTURAL FOUNDATION SECTIONS
S1.2 S2.1	FRAMING PLAN
S2.1	STRUCTURAL FRAMING SECTIONS
02.2	OTTOOTOTAL THAMING GEOTIONS
ES1	ELECTRICAL SITE PLAN
E1.0	ELECTRICAL GENERAL NOTES AND LEGEND
E1.1	ELECTRICAL LIGHTING PLAN

ELECTRICAL POWER PLAN
ELECTRICAL ROOF PLAN

ELECTRICAL SECURITY PLAN

ELECTRICAL LOW VOLTAGE PLAN



LOUISIANA KITCHEN 2112 PROTOTYPE 1517 NC 24-87 CAMERON, NC 28326

ABBREVIATIONS BACK OF HOUSE C/W: **COMPLETE WITH** CL: CENTER LINE CONCRETE CPM: CONSTRUCTION PROJECT MANAGER EQ: **EQUAL** FRONT OF HOUSE GENERAL CONTRACTOR MAX.: MAXIMUM NOT APPLICABLE O.C: ON CENTER P-LAM: PLASTIC LAMINATE STORE FIXTURE COMPANY SPEC: SPECIFICATION TOP OF TO BE DETERMINED TYP.: **TYPICAL** UNDERSIDE WASHROOM

50

Harnett

COUNTY

NORTH CAROLINA

NOTICE TO CONTRACTOR

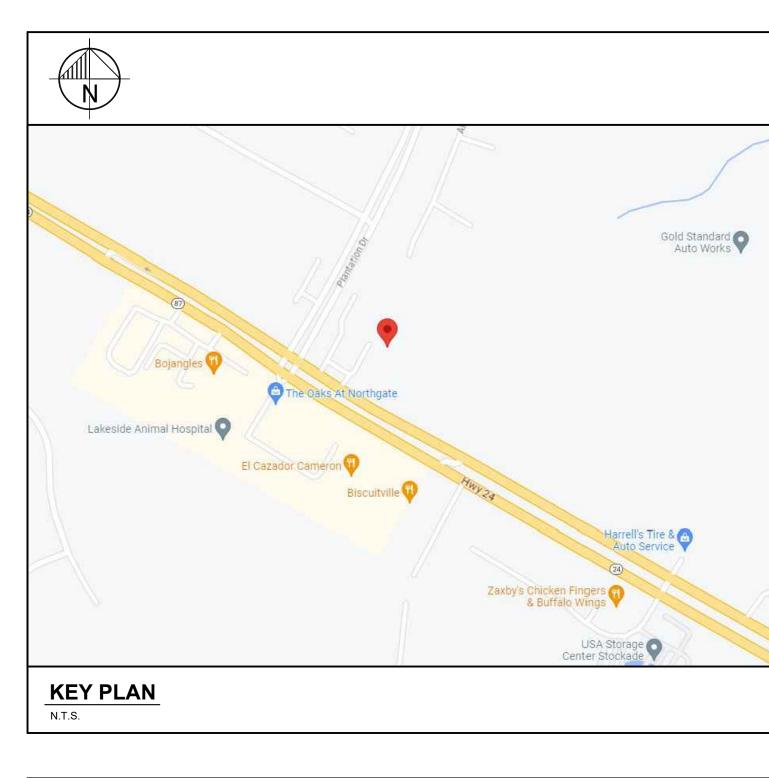
10/02/2023

≣1.6 ≣2.1 ≣3.1 ≣4.1	ELECTRICAL FIRE ALARM PLAN ELECTRICAL SCHEDULES ELECTRICAL DETAILS ELECTRICAL ENERGY CALCS
M1.1 M1.2 M2.1 M3.1 M3.2 M3.3 M3.4 M4.1	MECHANICAL PLAN MECHANICAL ROOF PLAN MECHANICAL SCHEDULE MECHANICAL HOOD DRAWINGS MECHANICAL DETAILS
P1.1 P2.1 P2.2 P2.3 P3.1 P4.1 P4.2	PLUMBING SCHEDULES AND NOTES PLUMBING PLAN - SANITARY WASTE & VENT PLUMBING PLAN - DOMESTIC WATER PLUMBING PLAN - ROOF DRAINS PLUMBING RISERS PLUMBING DETAILS PLUMBING DETAILS
SP1 SP2 SP3 SP4 SP5 SP6 SP7	ARCHITECTURAL SPECIFICATIONS
ES.1 ES.2	ELECTRICAL SPECIFICATIONS ELECTRICAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

PLUMBING SPECIFICATIONS

	FIRM NAME: THE DIME	NSION GR	FIRM NAME: THE DIMENSION GROUP					
	NAME OF PROJECT:							
	POPEYES - 2112 MODEL							
	LOCATION:					THE ARCHITECT NO RESPONSIBLE CON	TROL WITH RES	
	ADDRES 94-87, CAMERON, NC					DESIGN ACTIVITIES		
1	APPLICABLE CODES	BUILDING :		2018 INTER	NATIONAL BUILDING C	DDE		
		PLUMBING :		2018 INTER	NATIONAL PLUMBING (ODE		
		FIRE :		2018 INTER	NATIONAL FIRE CODE			
		MECHANICAL	:	2018 INTER	NATIONAL MECHANICA	L CODE		
		ELECTRICAL	:	2020 NATIO	NAL ELECTRICAL CODI			
		ACCESSIBILI	ΓΥ:	ICC / ANSI A	A117.1 2009			
		ENERGY:		2018 INTER	NATIONAL ENERGY CC	NSERVATION CODE		
2	ZONING CLASSIFICATION	C1-COMME	RCIAL		\triangle			
3	OCCUPANCY CLASSIFICATION	MIXED USE A	-2 - (ASSEMBLY	() & B - (BUSINESS	<u>)</u> 3\			
4	CONSTRUCTION TYPE	VB V		COMBUSTIE	BLE MATERIALS, UNPR	OTECTED		
5	BUILDING AREA	ALLOWED : 6	000 SQ FT.	PROVIDED	: 1965 SQ FT.			
6	BUILDING HEIGHT	ALLOWED : 4	0'-0" HIGH	PROVIDED	: 19'-0" HIGH			
7	SCOPE OF WORK STATMENT	NEW BUILD,	CONSTRUCTION	N				
8	OCCUPANCY CALCULATIONS							
		FLOOR	ι	JSE	SQUARE FOOTAGE	OCCUPANT LOAD FACTOR	NUMBER OF OCCUPANTS	
		1 OF 1	DINING (UNCO	ONCENTRATED)	224 SQ. FT	1: 15	15	X 3 ½
								ν.
		1 OF 1	DINING (STANDING)	59 SQ. FT	1: 15	4	1
		1 OF 1		STANDING) CHEN	59 SQ. FT 1100 SQ. FT	1: 15 1: 200	6	-
			KIT					3 -
		1 OF 1 1 OF 1	KIT	CHEN PIED AREAS	1100 SQ. FT 342 SQ. FT TOTAL NUM	1: 200 - BER OF OCCUPANTS:	6 25	3 -
		1 OF 1 1 OF 1 * UNOCCUPIE	KIT UNOCCUI	CHEN PIED AREAS UDE: WALK-IN FRI	1100 SQ. FT 342 SQ. FT TOTAL NUM	1: 200	6 25	- 3 - - ESTIBULE,
		1 OF 1 1 OF 1 * UNOCCUPIE VESTIBULE A	KIT UNOCCUI ED AREAS INCLI ND RESTROOM	PIED AREAS UDE: WALK-IN FRI	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALLS	1: 200 - BER OF OCCUPANTS: 6, CANOPIES / OVERHANGS	6 25 WASHROOM V	
9	EGRESS CALCULATION	1 OF 1 1 OF 1 * UNOCCUPIE VESTIBULE A	UNOCCUI ED AREAS INCLI ND RESTROOM	CHEN PIED AREAS UDE: WALK-IN FRI	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL:	1: 200 - BER OF OCCUPANTS: S, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED	6 25 WASHROOM V	EGRESS WIDTH ROVIDED
		1 OF 1 1 OF 1 * UNOCCUPIE VESTIBULE A	UNOCCUI ED AREAS INCLI ND RESTROOM CUIPANTS 7	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N .20" X _25	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_"	1: 200 - BER OF OCCUPANTS: S, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.)	6 25 , WASHROOM V	EGRESS WIDTH
	EGRESS CALCULATION EXITS	1 OF 1 1 OF 1 * UNOCCUPIE VESTIBULE A TOTAL OC	UNOCCUI ED AREAS INCLI ND RESTROOM CUIPANTS 7 25	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N .20" X _25 TOTAL PROVIDE	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
10	EXITS	* UNOCCUPIE VESTIBULE A TOTAL OC TOTAL REGGE LOSS OF ON	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS 7 25 URED MEED MEED MEED MEED MEED MEED MEED M	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3	1: 200 - BER OF OCCUPANTS: S, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.)	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
10		* UNOCCUPIE VESTIBULE A TOTAL OC TOTAL REGOL LOSS OF ON EXTERIOR E	UNOCCUI ED AREAS INCLI ND RESTROOM CULPANTS 7 25 URBED 1 E REQUIRED M EARING WALL:	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0	EXITS	* UNOCCUPIE VESTIBULE A TOTAL OC LOSS OF ON EXTERIOR E	UNOCCUI ED AREAS INCLI ND RESTROOM CULPANTS 7 25 URBED 1 E REQUIRED M EARING WALL:	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
10	EXITS FIRE RESISTIVE REQUIREMENTS	* UNOCCUPIE VESTIBULE A TOTAL OC TOTAL REGGE LOSS OF ON EXTERIOR E ROOF CONS CEILING:	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS Z ES EREQUIRED M EARING WALL: TRUCTION:	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) 5 = _4.0_" ED: 3 S SHALL NOT REDUCE	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0	EXITS	* UNOCCUPIE VESTIBULE A TOTAL OC LOSS OF ON EXTERIOR E ROOF CONS	UNOCCUI ED AREAS INCLI ND RESTROOM CUIPANTS 7 25 E REQUIRED M EARING WALL: TRUCTION:	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3 S SHALL NOT REDUCE	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM	* UNOCCUPIE VESTIBULE A * TOTAL OC TOTAL COSS OF ON EXTERIOR E ROOF CONS CEILING: BASE	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS 7 25 E REQUIRED M EARING WALL: TRUCTION:	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) 5 = _4.0_" ED: 3 S SHALL NOT REDUCE	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0 1 2	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM FIRE ALARM	* UNOCCUPIE VESTIBULE A TOTAL OC TOTAL RECOL LOSS OF ON EXTERIOR E ROOF CONS CEILING: BASE NOT REQUIF	UNOCCUI ED AREAS INCLI ND RESTROOM CUIPANTS 7 25 EREQUIRED M EARING WALL: TRUCTION: RE BUILDING (E) MENT ONLY	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR) (0 HOUR) XISTING)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3 S SHALL NOT REDUCE	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0 1 2 3 4	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM FIRE ALARM MAX. TRAVEL DISTANCE	* UNOCCUPIE VESTIBULE A TOTAL OC TOTAL RECOLL LOSS OF ON EXTERIOR E ROOF CONS CEILING: BASE NOT REQUIF 200' (250' WI	UNOCCUI ED AREAS INCLI ND RESTROOM CUIPANTS 7 25 E REQUIRED M EARING WALL: TRUCTION: EE BUILDING (E) MENT ONLY RED TH SPRINKLER	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR) (0 HOUR) XISTING)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIN. EGRESS (1005.1) G = _4.0_" ED : 3 S SHALL NOT REDUCE IN LIEU OF ROOX NOT REQUIRED	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
10 11 12 13 14	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM FIRE ALARM	* UNOCCUPIE VESTIBULE A * UNOCCUPIE VESTIBULE A * TOTAL OCCUPIE VESTIBUL	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS Z E REQUIRED M EARING WALL: TRUCTION: MENT ONLY RED TH SPRINKLER SETS	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED N 20" X _25 TOTAL PROVIDE EANS OF EGRESS (0 HOUR) (0 HOUR) (0 HOUR) XISTING) SYSTEM)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIIN. EGRESS (1005.1) i_ = _4.0_" ED : 3 S SHALL NOT REDUCE TO THE STATE OF	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
0 1 2 3 4	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM FIRE ALARM MAX. TRAVEL DISTANCE	* UNOCCUPIE VESTIBULE A * UNOCCUPIE VESTIBULE A * TOTAL RECO. LOSS OF ON EXTERIOR E ROOF CONS CEILING: BASE NOT REQUIF 200' (250' WI WATER CLOS LAVATORIES	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS Z E REQUIRED M EARING WALL: TRUCTION: MENT ONLY RED TH SPRINKLER SETS	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED IV .20" X _25 TOTAL PROVIDE EANS OF EGRESS : (0 HOUR) (0 HOUR) (0 HOUR) XISTING) SYSTEM)	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIN. EGRESS (1005.1) [= _4.0_" ED : 3 S SHALL NOT REDUCE IN LIEU OF ROO X NOT REQUIRED I REQUIRED	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"
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99 1111 1111 1111 1111 1111 1111 1111 1111	EXITS FIRE RESISTIVE REQUIREMENTS SPRINKLER SYSTEM FIRE ALARM MAX. TRAVEL DISTANCE	* UNOCCUPIE VESTIBULE A * UNOCCUPIE VESTIBULE A * TOTAL RECO. LOSS OF ON EXTERIOR E ROOF CONS CEILING: BASE NOT REQUIF 200' (250' WI WATER CLOS LAVATORIES	UNOCCUI ED AREAS INCLI ND RESTROOM CUPANTS Z ED EREQUIRED M EARING WALL: TRUCTION: MENT ONLY RED TH SPRINKLER SETS	CHEN PIED AREAS UDE: WALK-IN FRI IS CALCULATED IN .20" X _25 TOTAL PROVIDE EANS OF EGRESS : (0 HOUR) (0 HOUR) (0 HOUR) XISTING) SYSTEM) 1 NC	1100 SQ. FT 342 SQ. FT TOTAL NUM EEZER/COOLER, WALL: IIN. EGRESS (1005.1) [= _4.0_" ED : 3 S SHALL NOT REDUCE IN LIEU OF ROO X NOT REQUIRED I REQUIRED	1: 200 - BER OF OCCUPANTS: 5, CANOPIES / OVERHANGS MIN. EGRESS WIDTH REQUIRED (32" MIN.) EGRESS WIDTH PER EXIT THE EGRESS CAPACITY TO	6 25 , WASHROOM V TOTAL P	EGRESS WIDTH ROVIDED 114"



CONTRACTORS

CONTRACTORS ARE TO CONTACT THE CONSTRUCTION PROJECT MANAGER AS INDICATED IN THE WRITTEN SCOPE OF WORK FOR BIDDERS LIST. FOR APPROVED SUPPLIERS LIST, NATIONAL ACCOUNT PHONE NUMBERS AND CONTRACTORS REFER TO SPECIFICATION DRAWINGS.

PROJECT NO.: C22-129
POPEYES NO.: RN. xxxx

ISSUE TABLE				
No.	Date (mm/dd/yy)	Description		
REVIS	SIONS			
No.	Date	Description		
1	8/01/2023	RESPONSE TO CITY		
2	9/04/2023	HEALTH COMMENTS		
3	9/12/2023	RESPONSE TO CITY		
	9/12/2023	HEALTH COMMENTS		

DRAWINGS REVISED AS PER DESIGN BULLETIN No. Date Description



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THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".



THE DIMENSION
GROUP

ARCHITECTURE • CIVIL ENGINEERING • MEP ENGINEERING

10755 SANDHILL ROAD, DALLAS, TEXAS 75238
TEL: 214-343-9400 www.dimensiongrp.com



US 2112 PROTOTYPE

1517 NC 24-87 CAMERON, NC

COVER SHEET

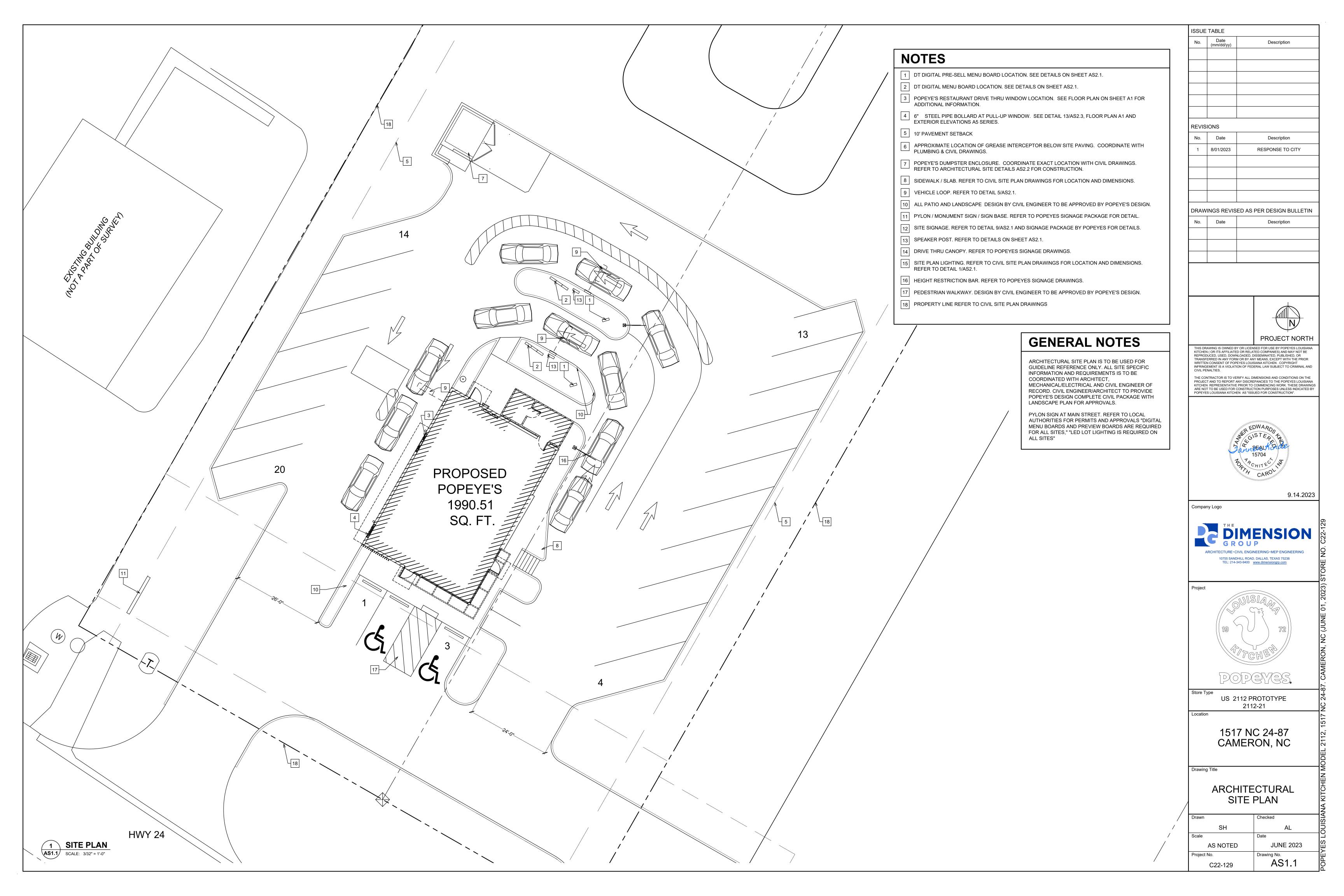
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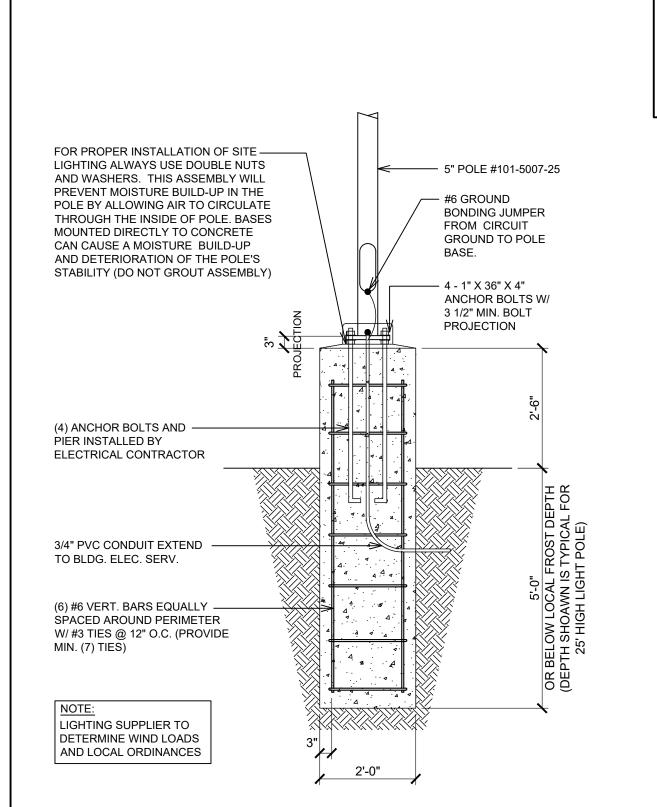
ale Date

NTS JUNE 2023

Diject No.

C22-129 CS





CRITICAL NOTES

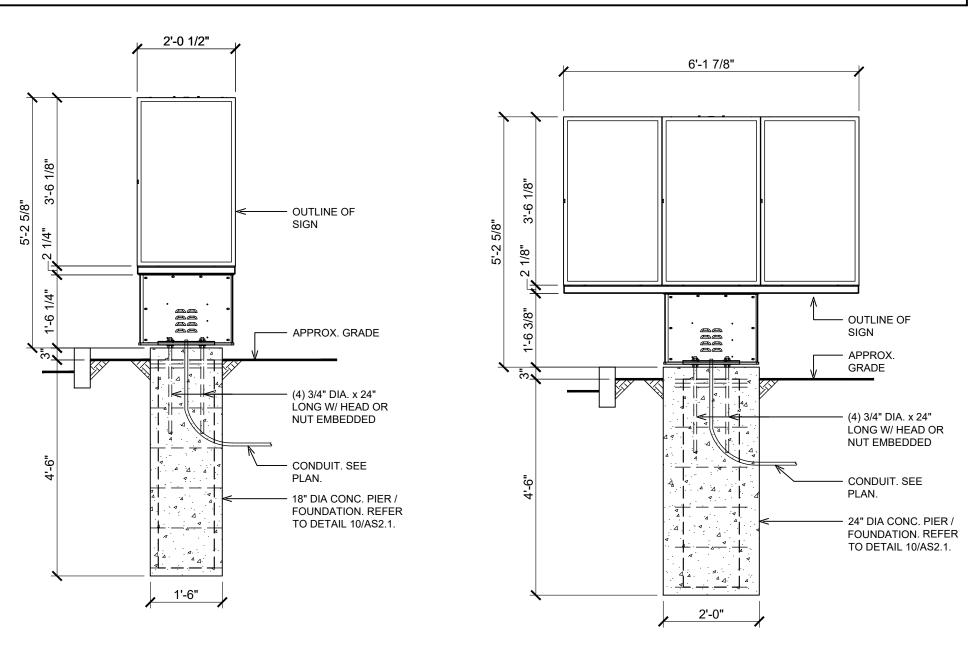
ODMB, SPEAKER POST AND PRESELL MENU BOARD ALL PROVIDED BY OWNER. SHIPPED TO SITE FROM VENDOR TO BE ORDERED 12 WEEKS AHEAD OF INSTALL

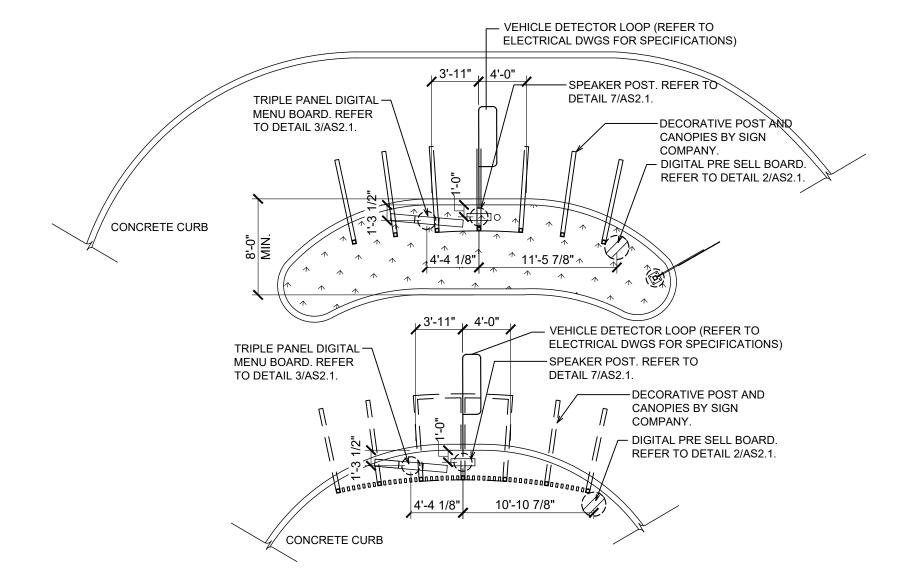
INSTALLED AND SCHEDULED BY OWNER / VENDOR. INSTALL TO BE SCHEDULE A MIN OF 4 WEEKS BEFORE DESIRED DATE

FOUNDATION, DATA AND ELECTRICAL BY CIVIL/GC.

ANCHOR BOLTS TO BE IN AN 8X8 PATTERN, INSTALL BY GC. TO BE COMPLETED PRIOR TO HAVING BW ON SITE

THESE DRAWINGS ARE INTENDED TO BE REVIEWED IN CONJUNCTION WITH THE ODMB INSTALL DETAILS. YOU CANNOT RELY ON THESE DRAWINGS ALONE FOR A SUCCESSFUL INSTALLATION





EXTERIOR POLE LIGHTS AS2.1 SCALE: 1/2" = 1'-0"

CONCRETE -

GRAVEL AND -

SAND

PAD

DT DIGITAL PRE-SELL MENU BOARD SCALE: 1/2" = 1'-0"

> - INTEGRATED SPEAKER MENU

- SPEAKER BASE - APPROX. GRADE

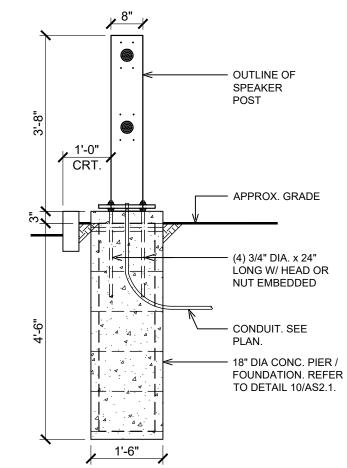
BOARD

- CONDUIT FROM

INSIDE BUILDING







SPEAKER POST DETAIL **AS2.1** SCALE: 1/2" = 1'-0"

VEHICLE DETECTOR LOOP SECTION SCALE: 1/2" = 1'-0"

LOOP DETECTOR DOES NOT COME ON

OWNER ORDERS THIS FROM HME AND

VEHICLE

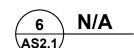
LOOP

DETECTOR

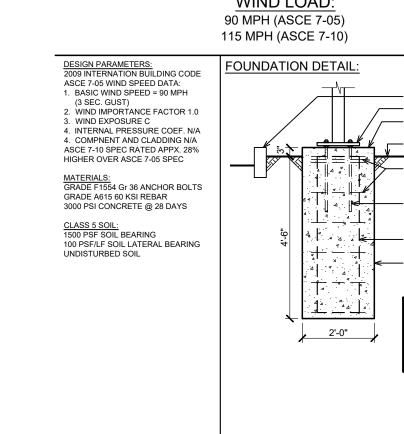
- LOOP

SUPPORTS

GC COORDINATES THE INSTALL



SOIL CLASS 5



WIND LOAD: WIND LOAD: WIND LOAD: 120 MPH (ASCE 7-05) 150 MPH (ASCE 7-05) 153 MPH (ASCE 7-10) 192 MPH (ASCE 7-10) **FOUNDATION DETAIL:** ESIGN PARAMETERS: FOUNDATION DETAIL: DESIGN PARAMETERS: 2009 INTERNATION BUILDING CODE ASCE 7-05 WIND SPEED DATA: ASCE 7-05 WIND SPEED DATA: 1. BASIC WIND SPEED = 120 MPH (3 SEC. GUST) 2. WIND IMPORTANCE FACTOR 1.0 1. BASIC WIND SPEED = 150 MPH (3 SEC. GUST) 2. WIND IMPORTANCE FACTOR 1.0 TOP OF CURE TOP OF CURB BASE PLATE BASE PLATE 3. WIND EXPOSURE C 4. INTERNAL PRESSURE COEF. N/A 3. WIND EXPOSURE C
4. INTERNAL PRESSURE COEF. N/A SLOPE TO SHED - SLOPE TO SHED WATER WATER FINISHED GRADE FINISHED GRADE . COMPNENT AND CLADDING N/A . COMPNENT AND CLADDING N/A FINISHED GRADE ASCE 7-10 SPEC RATED APPX. 28% HIGHER OVER ASCE 7-05 SPEC ASCE 7-10 SPEC RATED APPX. 28% HIGHER OVER ASCE 7-05 SPEC #3 TIES (18" OD) #3 TIES (18" OD) × #3 TIES (18" OD) SPACE @ 10" O.C (3) #3 TIES IN TOP 5" SPACE @ 10" O.C (3) #3 TIES IN TOP 5" MATERIALS: GRADE F1554 Gr 36 ANCHOR BOLTS MATERIALS: GRADE F1554 Gr 36 ANCHOR BOLTS GRADE A615 60 KSI REBAR 3000 PSI CONCRETE @ 28 DAYS GRADE A615 60 KSI REBAR 3000 PSI CONCRETE @ 28 DAYS — (4) 3/4" DIA. x 24" LONG — (4) 3/4" DIA. x 24" LONG W/ HEAD OR NUT EMBEDDED W/ HEAD OR NUT EMBEDDED — (4) VERTICAL #5 REBAR - (4) VERTICAL #5 REBAR 100 PSF/LF SOIL LATERAL BEARING 100 PSF/LF SOIL LATERAL BEARING EQUALLY SPACED EQUALLY SPACED UNDISTURBED SOIL - CONCRETE — CONCRETE FOUNDATION FOUNDATION MAINTAIN 3" COVER MAINTAIN 3" COVER ON ALL REBAR. ON ALL REBAR. ALL STRUCTURAL
DETAILING TO BE
ASSUMED BY DMB
ENGINEER. ALL STRUCTURAL DETAILING TO BE ASSUMED BY DMB ENGINEER. 2'-0" بہ ہے۔

NOTES:

1. SIGNAGE VENDOR TO DETERMINE NUMBER OF DIRECTIONAL SIGNS AND LOCATIONS (SITE VERIFY)

2. NOTES: DETAILS FOR REFERENCE ONLY. COORDINATE WITH SITE PLAN DRAWING FOR EXACT REQUIREMENTS.

GENERAL NOTES

1. ALL SIGNS SHALL BE ERECTED IN ACCORDANCE WITH ALL LOCAL CODES AND SOIL CONDITIONS.

2. DESIGNS ARE PER 15 PSF WIND LOADS (VERIFY LOCAL WIND AND SOIL CONDITIONS).

3. ALL PAINTED PAVEMENT MARKERS ARE TO BE SOLID YELLOW AND FURNISHED BY GENERAL CONTRACTOR.

4. WHEN UNABLE TO VIEW CARS PLACING ORDERS DIRECTLY FROM PICK-UP WINDOW A 24" CONVEX MIRROR SHALL BE PLACED IN AN APPROPRIATE

REVISIONS Description 1 8/01/2023 RESPONSE TO CITY 2 9/04/2023 HEALTH COMMENTS 3 9/12/2023 RESPONSE TO CITY 9/12/2023 HEALTH COMMENTS

Description

ISSUE TABLE

DRAWINGS REVISED AS PER DESIGN BULLETIN					
No.	Date	Description			



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9.14.2023

Company Logo



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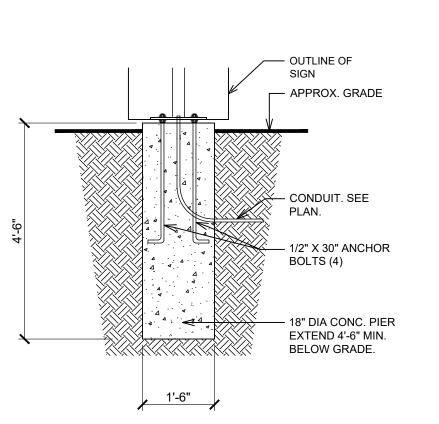
US 2112 PROTOTYPE 2112-21

1517 NC 24-87

CAMERON, NC

MENU SIGN DETAILS SINGLE DOUBLE DRIVE-THRU

SH AS NOTED JUNE 2023 AS2.1 C22-129







8 N/A AS2.1

2'-0"

TOP OF CURB

BASE PLATE

SLOPE TO SHED WATER

SPACE @ 10" O.C (3) #3 TIES IN TOP 5

(4) 3/4" DIA. x 24" LONG

—— (4) VERTICAL #5 REBAR

1. MAINTAIN 3" COVER
ON ALL REBAR.
2. ALL STRUCTURAL

DETAILING TO BE ASSUMED BY DMB

ENGINEER.

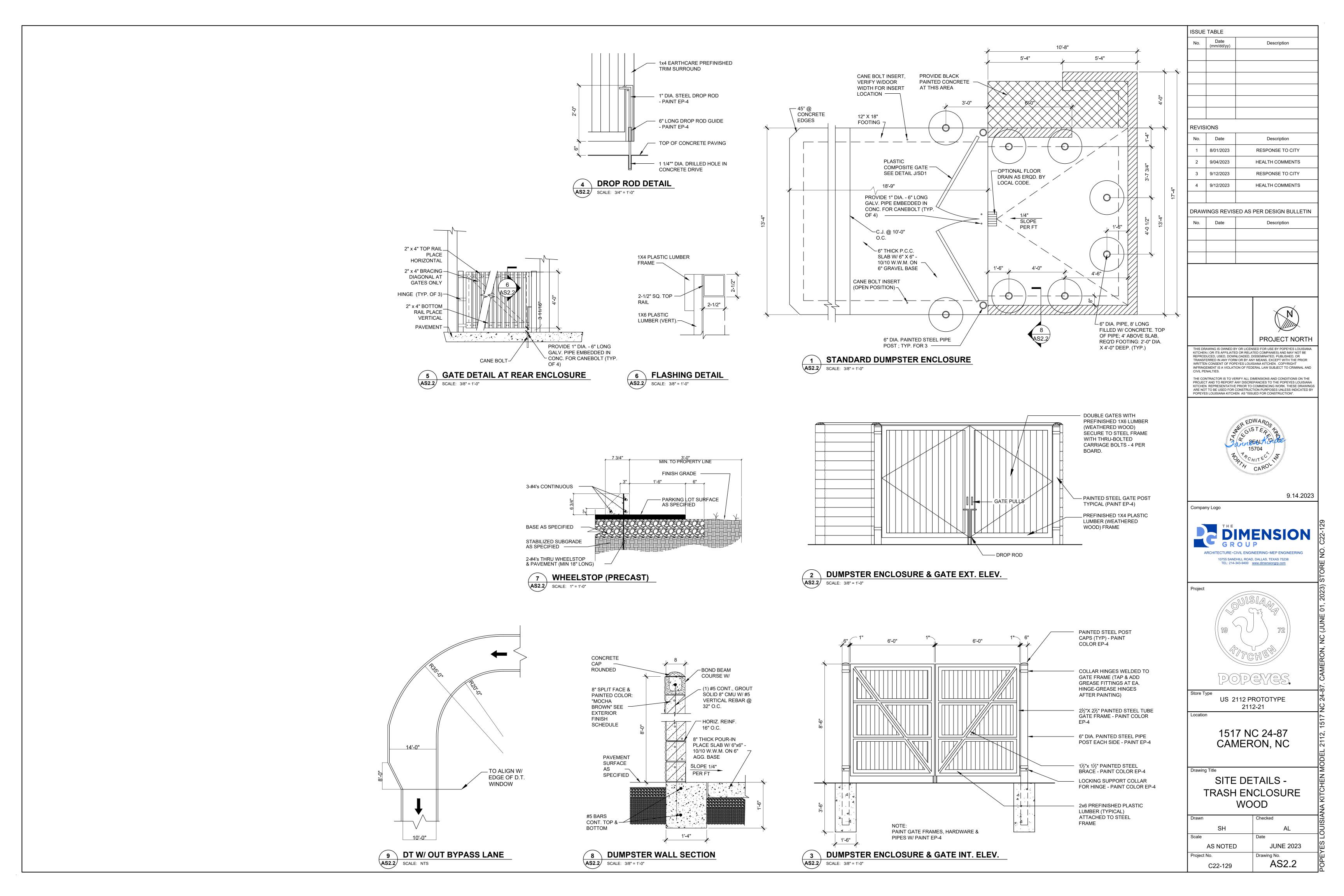
EQUALLY SPACED

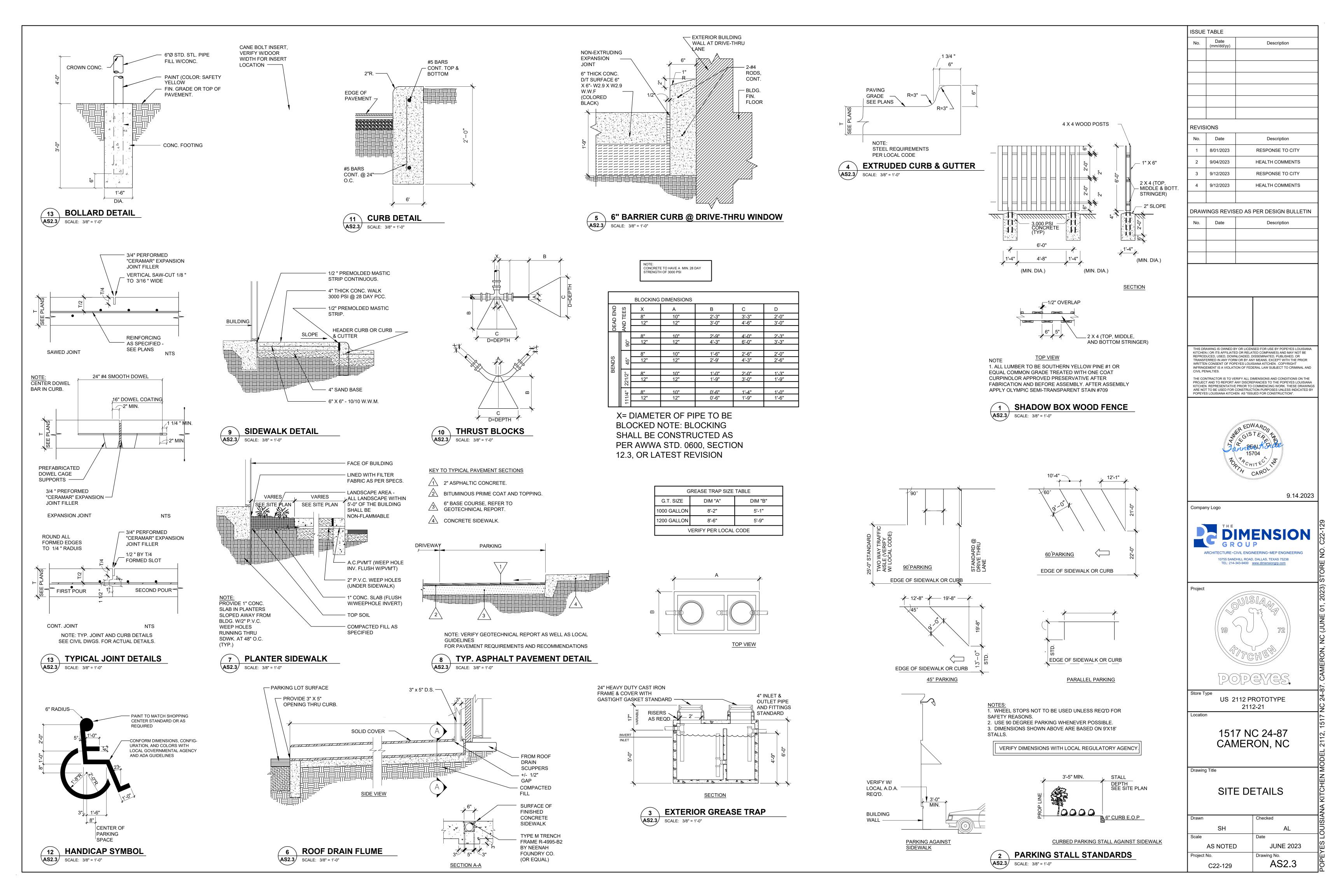
FOUNDATION

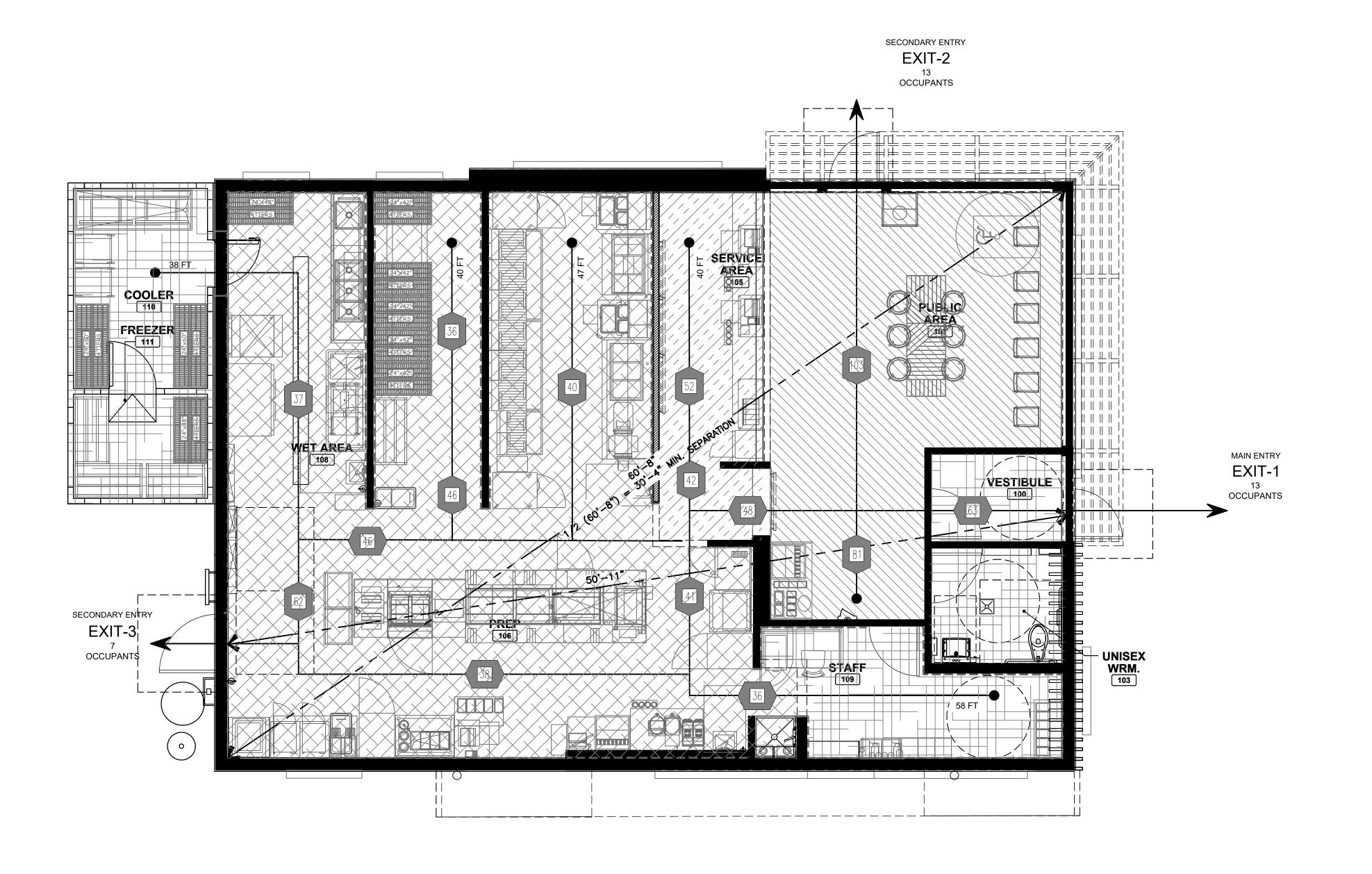
<--- CONCRETE

W/ HEAD OR NUT EMBEDDED

LOCATION TO VIEW CUSTOMERS ORDER AT STATION.







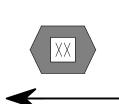
GENERAL NOTES:

FIRE EXTINGUISHER (K CLASS) TO BE PROVIDED BY G.C. VERIFY NUMBER AND LOCATION OF EXTINGUISHERS WITH LOCAL AUTHORITIES. SEE SHEET A2 FOR ADDITIONAL INFORMATION

OCCUPANCY SIGNAGE NOTES:

SIGNS STATING THE MAXIMUM OCCUPANT CONTENT SHALL BE CONSPICUOUSLY POSTED IN EACH AREA OF ASSEMBLY, ASSEMBLY ROOM, OR ROOM USED FOR SIMILAR PURPOSE.

LEGEND



EGRESS PATH DIRECTION & WIDTH (INCHES)

PATH OF EGRESS TRAVEL; 36" MINIMUM

BUILDING CODE INFORMATION				
BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE			
OCCUPANCY CLASSIFICATION:	BUSINESS & ASSÉMBLY GROUP B & A-2			
CONSTRUCTION TYPE:	TKBE, AR			
SPRINKLER:	NOT SPRINKLERED			
TOTAL MAXIMUM OCCUPANT LOAD:				
MERCANTILE AREA:	(25 OCCUPANTS)			
EXITING REQUIREMENTS:				

MAX TRAVEL DISTANCE 200' (250' WITH SPRINKLER SYSTEM) EXITS: TOTAL REQ: 1 TOTAL PROVIDED: 3 EGRESS WIDTH PER EXIT: 44" CLEAR. LOSS OF ONE REQUIRED MEANS OF EGRESS SHALL NOT REDUCE THE EGRESS CAPACITY TO LESS THAN 50% OF REQUIRED.

BUILDING CODE:	SQFT	TOTAL SQFT	PERSONS	TOTAL PERSONS
ASSEMBLY (RESTAURANT) 15 SQ.FT PEF	R OCCUPANT	_	1	1
DINING (CONCONCENTRATED)	224		15	
DINING (STANDING)	59	283	4	19
ASSEMBLY (STORAGE) 200 SQFT PER O	CCUPANT			
KX/				
KITCHEN	1,100	1,100	6	6
UNOCCUPIED AREAS				
VESTIBULE	42			
RESTROOM	56			
COOLER VAULT	154			
OFFICE	90	342	0	0

EGRESS CAPACITY

TOTAL = 540 PERSONS

MAIN ENTRY EXIT 1 WIDTH SECONDARY EXIT 2 WIDTH SECONDARY EXIT 3 WIDTH = 34"/.02" = 170 PERSONS = 34"/.02" = 170 PERSONS = 40"/.02" = 200 PERSONS ISSUE TABLE Date (mm/dd/yy) Description

REVISIONS No. Date Description 1 8/01/2023 RESPONSE TO CITY 2 9/04/2023 HEALTH COMMENTS RESPONSE TO CITY 3 9/12/2023

4 9/12/2023

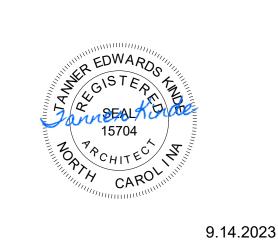
DRAWINGS REVISED AS PER DESIGN BULLETIN						
No.	Date	Description				



HEALTH COMMENTS

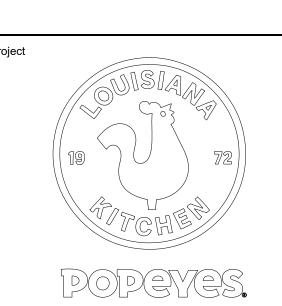
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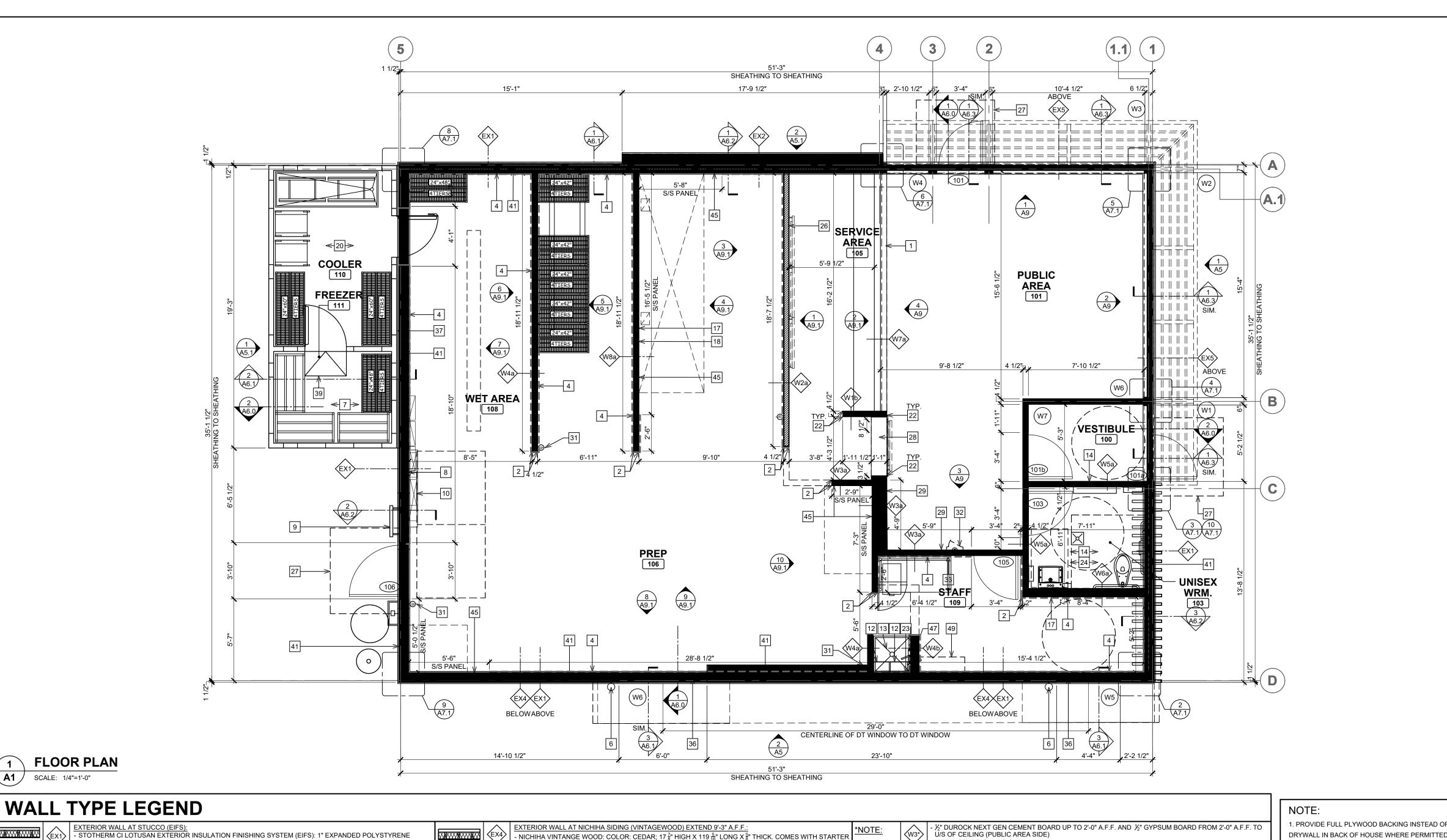
1517 NC 24-87 CAMERON, NC

C22-129

LIFE SAFETY & EXITING PLAN

SH JUNE 2023 AS NOTED AS2.4

EXITING PLAN A1 SCALE: 1/4"=1'-0"



DRYWALL IN BACK OF HOUSE WHERE PERMITTED INSULATION BOARD W/ 1/8" BASE COAT, REINFORCING MESH AND 3/6" FINISH. (REFER TO EXTERIOR - METAL STUDS @ 16" O.C. TRACK AND JOINT CLIP. EXTEND 9'-3" A.F.F. BY CODE. STO GOLD COAT FLUID APPLIED MEMBRANE AIR BARRIER, ALL TRANSITIONS AT FOUNDATION, ROUGH - ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) 2. G.C TO ENSURE THE FOLLOWING SHOP STO GOLD COAT FLUID APPLIED MEMBRANE AIR BARRIER. ALL TRANSITIONS AT FOUNDATION, ROUGH ${lag{1}}''$ DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND ${rac{1}{2}}''$ MOLD RESISTANT GYPSUM BOARD OPENINGS, SHEATHING JOINTS, FLASHINGS, WALL PENETRATIONS AND PARAPETS TO BE SEALED W/ OPENINGS. SHEATHING JOINTS. FLASHINGS. WALL PENETRATIONS AND PARAPETS. TO BE SEALED W/ STO DRAWINGS ARE SUBMITTED: FROM 2'-0" A.F.F. (KITCHEN SIDE) STO RAPID GUARD PER MANUFACTURERS SPECS PRIOR TO APPLICATION OF FLUID APPLIED 2 X 4 METAL RAPID GUARD PER MANUFACTURERS SPECS PRIOR TO APPLICATION OF FLUID APPLIED MEMBRANE AIR MEMBRANE AIR BARRIER STUDS - ½" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND ½" MOLD RESISTANT GYPSUM BOARD - BULKHEADS (FRONT COUNTER, MENU SCREEN 1 LAYER ½" EXTERIOR GRADE PLYWOOD EXTEND 9'-3" A.F.F. FROM 2'-0" A.F.F. (KITCHEN SIDE) & PUBLIC AREA SUSPENDED GB CEILING) (P. ENG 1 LAYER ½" EXTERIOR GRADE PLYWOOD 2"X6" WOOD STUDS @16" O.C. EXTEND 9'-3"A.F.F. ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) 2"X6" WOOD STUDS @16" O.C. STAMPED) UNFACED BATT INSULATION (R-20) UP TO 10'-0" MAX C/W 2"X6" FIRE STOP. - METAL STUDS @ 16" O.C. DENOTES UNFACED BATT INSULATION (R-20) UP TO 10'-0" MAX C/W 2"X6" FIRE STOP. FSK FOIL FACED FLAME SPREAD 25 BATT INSULATION (R-20) FROM 10'-0" TO U/S OF DECK C/W 2"X6" %" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) - ROOF ACCESS LADDER/CAGE/ROOF HATCH (P. 2 X 6 METAL FSK FOIL FACED FLAME SPRÈAD 25 BATT INSULATION (R-20) FROM 10'-0" TO U/S OF DECK C/W 2"X6" FIRE STOP. $\ensuremath{\mathcal{Y}}$ " DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND $\ensuremath{\mathcal{Y}}$ " MOLD RESISTANT GYPSUM BOARD STUDS ENG. STAMPED) UNFACED BATT INSULATION (R-20) FROM U/S OF DECK TO 18" MIN. ABOVE DECK. UNFACED BATT INSULATION (R-20) FROM U/S OF DECK TO 18" MIN. ABOVE DECK. FROM 2'-0" A.F.F. (KITCHEN SIDE) - CURTAIN WALL (P. ENG. STAMPED) 1 LAYER OF $lac{1}{2}$ " GYPSUM BOARD SHEATHING ON CONTINUOUS 6 MIL. POLYETHYLENE VAPOR BARRIER TO (U/S 1 LAYER OF ½" GYPSUM BOARD SHEATHING ON CONTINUOUS 6 MIL. POLYETHYLENE VAPOR BARRIER ½" DUROCK NEXT GEN CEMENT BOARD (WASHROOM SIDE) TO (U/S OF DECK). - LIST OF HARDWARE / DOORS ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) PROVIDE ½" CEMENTITIOUS BACKER BOARD INSTEAD OF PLYWOOD SHEATHING TO 12" ABOVE FLOOR SLAB PROVIDE ½" CEMENTITIOUS BACKER BOARD INSTEAD OF PLYWOOD SHEATHING TO 12" ABOVE FLOOR DENOTES - DRIVE THRU WINDOW C/W ACOUSTICAL SEALANT AT BASE. SLAB C/W ACOUSTICAL SEALANT AT BASE. 2 X 8 METAL - $\frac{1}{2}$ " DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND $\frac{1}{2}$ " GYPSUM BOARD FROM 2'-0" A.F.F. TO - ROOFING MATERIALS STUDS U/S OF CEILING (PUBLIC AREA SIDE) EXTERIOR WALL AT NICHIHA SIDING (VINTAGEBRICK): XMXXXXWXXXWXX REFER ALSO TO SPECIFICATION SECTIONS FOR - NICHIHA VINTANGE BRICK: COLOR: WHITEWASH (SITE PAINT); 17 1/8" HIGH X 71 1/8" LONG X 3/4" THICK. . PROVIDE DOUBLE LAYER OF REINFORCING MESH TO MIN. 2'-0" ABOVE GRADE AT ALL EIFS LOCATIONS. - ½" DUROCK NEXT GEN CEMENT BOARD (WASHROOM SIDE) SHOP DRAWINGS REQUIREMENTS. COMES WITH STARTER TRACK AND JOINT CLIP 2. G.C TO ENSURE DARK COLOURED EIFS NOT TO BE INSTALLED IN DIRECT SUNLIGHT (COORDINATE WITH - ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) STO GOLD COAT FLUID APPLIED MEMBRANE AIR BARRIER. ALL TRANSITIONS AT FOUNDATION, ROUGH 3. PRIME CONSULTANT TO REQUEST THE WOOD STUDS @ 24" O.C. OPENINGS, SHEATHING JOINTS, FLASHINGS, WALL PENETRATIONS AND PARAPETS TO BE SEALED W/ FOLLOWING SHOP DRAWINGS TO THE RELATED ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) STO RAPID GUARD PER MANUFACTURERS SPECS PRIOR TO APPLICATION OF FLUID APPLIED EXTERIOR WALL AT NICHIHA SIDING (VINTAGEBRICK): 1/2" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND 1/2" MOLD RESISTANT GYPSUM BOARD VENDOR FOR REVIEW: MEMBRANE AIR BARRIER. NICHIHA VINTANGE BRICK: COLOR: ALEXANDRIA BUFF; 17 🖁 HIGH X 71 🔓 LONG X 🖥 THICK. COMES WITH FROM 2'-0" A.F.F. (KITCHEN SIDE) 1 LAYER ½" EXTERIOR GRADE PLYWOOD STARTER TRACK AND JOINT CLIP. - REFRIGERATION BOXES 2"X6" WOOD STUDS @16" O.C 1 I AYER %" EXTERIOR GRADE PLYWOOD - ½" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND ½" GYPSUM BOARD FROM 2'-0" A.F.F. TO - MILLWORK UNFACED BATT INSULATION (R-20) UP TO 10'-0" MAX C/W 2"X6" FIRE STOP. 2"X6" WOOD STUDS @16" O.C 29" A.F.F. (PUBLIC AREA SIDE) FSK FOIL FACED FLAME SPREAD 25 BATT INSULATION (R-20) FROM 10'-0" TO U/S OF DECK C/W 2"X6" GRAPHICS STO GOLD COAT FLUID APPLIED MEMBRANE AIR BARRIER. ALL TRANSITIONS AT FOUNDATION, ROUGH - METAL STUDS @ 16" O.C. OPENINGS, SHEATHING JOINTS, FLASHINGS, WALL PENETRATIONS AND PARAPETS TO BE SEALED W/ STO 4. REFER TO MECHANICAL, ELECTRICAL AND - ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) UNFACED BATT INSULATION (R-20) FROM U/S OF DECK TO 18" MIN. ABOVE DECK. RAPID GUARD PER MANUFACTURERS SPECS PRIOR TO APPLICATION OF FLUID APPLIED MEMBRANE AIR 1/2" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND 1/2" MOLD RESISTANT GYPSUM BOARD STRUCTURAL DRAWINGS FOR MECHANICAL, 1 LAYER OF ½" GYPSUM BOARD SHEATHING ON CONTINUOUS 6 MIL. POLYETHYLENE VAPOR BARRIER FROM 2'-0" A.F.F. (SERVICE AREA SIDE) ELECTRICAL AND STRUCTURAL REQUIREMENTS. TO (U/S OF DECK). 1 LAYER ½" EXTERIOR GRADE PLYWOOD - ½" FIRE-RATED GYPSUM WALL BOARD EXTEND UP TO 6" ABOVE CEILING. (KITCHEN SIDE) PROVIDE ½" CEMENTITIOUS BACKER BOARD INSTEAD OF PLYWOOD SHEATHING TO 12" ABOVE FLOOR 2"X6" WOOD STUDS @16" O.C. SLAB C/W ACOUSTICAL SEALANT AT BASE. - ½" DUROCK NEXT GEN CEMENT BOARD UP TO U/S OF DECK. UNFACED BATT INSULATION (R-20) UP TO 10'-0" MAX C/W 2"X6" FIRE STOP. METAL STUDS @ 16" O.C. EXTEND UP TO U/S OF DECK. FSK FOIL FACED FLAME SPREAD 25 BATT INSULATION (R-20) FROM 10'-0" TO U/S OF DECK C/W 2"X6" FIRE STOP. - ½" DUROCK NEXT GEN CEMENT BOARD UP TO U/S OF DECK. UNFACED BATT INSULATION (R-20) FROM U/S OF DECK TO 18" MIN. ABOVE DECK. 1. PROVIDE DOUBLE LAYER OF REINFORCING MESH TO MIN. 2'-0" ABOVE GRADE AT ALL EIFS ¹/₂" FIRE-RATED GYPSUM WALL BOARD EXTEND UP TO 6" ABOVE CEILING. (KITCHEN SIDE) 1 LAYER OF ½" GYPSUM BOARD SHEATHING ON CONTINUOUS 6 MIL. POLYETHYLENE VAPOR BARRIER TO (U/S 2. G.C TO ENSURE DARK COLOURED EIFS NOT TO BE INSTALLED IN DIRECT SUNLIGHT (COORDINATE PROVIDE ½" CEMENTITIOUS BACKER BOARD INSTEAD OF GYPSUM BOARD TO 2'-0" ABOVE FLOOR SLAB C/W WITH MANUFACTURER) **GENERAL NOTES:** ACOUSTICAL SEALANT AT BASE. EXTERIOR WALL AT NICHIHA SIDING (VINTAGEBRICK) EXTEND 9'-0" A.F.F.: $\mbox{\%}$ " DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND $\mbox{\%}$ " GYPSUM BOARD FROM 2'-0" A.F.F. TO (EX3) NICHIHA VINTANGE BRICK: COLOR: ALEXANDRIA BUFF; 17 1/2 HIGH X 71 1/2 LONG X 1/4 THICK. COMES WITH U/S OF CEILING (PUBLIC AREA SIDE) ALL INTERIOR NON-STRUCTURAL PARTITION SHALL BE 2 X 4 METAL STUDS @ 16" O.C. FROM SLAB TO 6" ABOVE FINISHED CEILING, UNLESS NOTED OTHERWISE. DIAGONALLY BRACE METAL STUDS @ 16" O.C. STARTER TRACK AND JOINT CLIP. EXTEND 9'-0" A.F.F. TOP OF WALL TO ROOF STRUCTURE AS REQUIRED TO SUPPORT ADDITIONAL LOADS. STO GOLD COAT FLUID APPLIED MEMBRANE AIR BARRIER, ALL TRANSITIONS AT FOUNDATION, ROUGH ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) a" DENOTES REFER TO SITE PLAN FOR LOCATION & EXTENTS OF SIDEWALKS ETC. OPENINGS, SHEATHING JOINTS, FLASHINGS, WALL PENETRATIONS AND PARAPETS TO BE SEALED W/ STO ½" CEMENTITIOUS BACKER BOARD (SERVICE AREA SIDE) X 4 METAL ALL EXTERIOR WALLS SHALL BE FRAMED WITH 2 X6 STUDS @ 16" O.C. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR LAYOUT, DIMENSIONS, DETAILS, MATERIAL RAPID GUARD PER MANUFACTURERS SPECS PRIOR TO APPLICATION OF FLUID APPLIED MEMBRANE AIR STUDS %" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND $1\!\!/_2$ " MOLD RESISTANT GYPSUM BOARD INFORMATION & SPECIFIC STRUCTURAL DESIGN REQUIREMENTS. 1 LAYER ½" EXTERIOR GRADE PLYWOOD EXTEND 9'-0" A.F.F. FROM 2'-0" A.F.F. TO 48" A.F.F. (SERVICE AREA SIDE) G.C TO PROVIDE SOLID WOOD BLOCKING BEHIND ALL WALL MOUNTED FIXTURES AND ACCESSORIES. 2"X4" WOOD STUDS @16" O.C. EXTEND 9'-0"A.F.F. - METAL STUDS @ 16" O.C. b" DENOTES UNFACED BATT INSULATION (R-20) UP TO 10'-0" MAX C/W 2"X6" FIRE STOP. FOR ANOMALIES, REFER TO WALL SECTIONS REFERENCE KEYED ON PLANS. ½" PLYWOOD BACKING (BETWEEN STUDS @ LOCATION OF WALL MOUNTED EQUIPMENTS) FSK FOIL FACED FLAME SPREAD 25 BATT INSULATION (R-20) FROM 10'-0" TO U/S OF DECK C/W 2"X6" FIRE STOP. 2 X 6 METAL - ½" DUROCK NEXT GEN CEMENT BOARD UP TO 2'-0" A.F.F. AND ½" MOLD RESISTANT GYPSUM BOARD FROM 2'-0" A.F.F. TO 48" A.F.F. (KITCHEN SIDE) LOCATION OF CEMENTITIOUS BACKER BOARD INDICATES LOCATION OF WALL TILE FINISH. VERIFY WITH INT. ELEVATIONS ON SHEET A9 & A9.1 FOR WALL TILE LOCATIONS. STUDS UNFACED BATT INSULATION (R-20) FROM U/S OF DECK TO 18" MIN. ABOVE DECK. GYPSUM BOARD, PLYWOOD & CEMENTITIOUS BACKER BOARD TO EXTEND TO 4" ABOVE T-BAR CEILING & TO U/S OF CEILING IN LOCATIONS WITH GYPSUM BOARD CEILING. 1 LAYER OF $\frac{1}{2}$ " GYPSUM BOARD SHEATHING ON CONTINUOUS 6 MIL. POLYETHYLENE VAPOR BARRIER TO (U/2) REFER TO MANUFACTURE SPECIFICATIONS FOR ALL INSTALLATION PROCEDURE. DOTTED LINE INDICATES LOCATION OF FIBREGLASS REINFORCED PANEL (FRP) LOCATION. PROVIDE ½" CEMENTITIOUS BACKER BOARD INSTEAD OF PLYWOOD SHEATHING TO 12" ABOVE FLOOR SLAB G.C TO PERFORM AN AIR BARRIER TEST (LEAKAGE TEST) ON THE BUILDING ENVELOPE PRIOR TO THE COMPLETION OF CONSTRUCTION, IN ACCORDANCE WITH THE NYS ENERGY HIDDEN LINE INDICATES LOCATION OF BLOCKING IN BETWEEN THE STUDS FOR THE MILLWORK C/W ACOUSTICAL SEALANT AT BASE). G.C TO SEAL/CAULK ALL BUILDING PENETRATIONS PRIOR TO PERFORMING AN AIR BARRIER TEST. PROVIDE FIRE CAULKING ALL PIPES, CONDUITS, WIRES AND FRAMING PENETRATIONS THROUGH FIRE RATED SEPARATIONS. FIRE CAULK TOP & BOTTOM OF FIRE RATED

FLOOR PLAN

A1 / SCALE: 1/4"=1'-0"

FLOOR PLAN NOTES

- APPROXIMATE LOCATION OF FRONT COUNTER. CONSULT MILLWORK DRAWINGS FOR ACTUAL LOCATION. G.C TO ENSURE FLOOR TILE TRANSITION FALLS UNDERNEATH MILLWORK COUNTERS, G.C TO COORDINATE WITH MILLWORK COMPANY FOR ACTUAL LOCATION.
- 2 \mid G.C TO PROVIDE AND INSTALL 2" X 2" (4FT LIGHT DUTY 20 GAUGE "#4 BRUSHED") S/S CORNER GUARDS FROM 4" A.F.F AND 1 1/2" X 1 1/2" PLASTIC CORNER GUARDS (FROM FRÉ SUPPLIER) FROM 4'-4" TO U/S OF CEILINGS AND BULKHEADS ON ALL OUTSIDE CORNERS.
- 3 G.C TO COORDINATE WITH UTILITY COMPANIES FOR PLACEMENT / LOCATION OF BOLLARDS G.C TO PROVIDE 6" DIA. METAL BOLLARD FILL W/ CONCRETE AND PAINTED. REFER TO DETAIL 13/AS2.3 & EXTERIOR ELEVATIONS A5 & A5.1.
- 4 PROVIDE PLYWOOD BACKING / BLOCKING IN WALL AS REQUIRED TO SUPPORT WALL MOUNTED
- 6 6" DIA. METAL BOLLARD FILL W/ CONCRETE AND PAINTED. REFER TO DETAIL 13/AS2.3 & **EXTERIOR FLEVATIONS A5 & A5 1**
- 7 NO TILE REQUIRED ON FLOOR AT FREEZER. FREEZER TO HAVE INSULATED FLOOR. G.C TO PROVIDE & INSTALL 2" RIGID INSULATION UNDER SLAB FOR ENTIRE AREA OF COOLER /
- 8 PROVIDE ½" FIRE RATED PLYWOOD FROM FINISHED FLOOR TO 8'-0" BEHIND ELECTRICAL PANEL. PAINT PLYWOOD W/ 1 COAT OF PRIMERX PEEL BONDING PRIMER & 2 FINISH COATS O WHITE LATEX PAINT W/ CLASS A RATING (BY SHERWIN WILLIAMS).
- 9 INTERIOR ROOF ACCESS LADDER AND ROOF HATCH. REFER TO DETAIL 2/A6.2.

FREEZER. G.C TO COORDINATE SIZE WITH WALK-IN MANUFACTURER.

- $_{10}\mid$ 8" DEEP x 6" HIGH CONCRETE HOUSE KEEPING PAD @ LOCATION OF ELECTRICAL PANELS. PROVIDE TILE FINISH ON HORIZONTAL & VERTICAL SURFACES.
- 12 HOT WATER TANK C/W EXPANSION TANK (IF REQUIRED) MOUNTED ABOVE MOP SINK. REFER TO MECHANICAL DRAWINGS.
- 13 G.C TO PROVIDE AND INSTALL SURFACE MOUNTED MOP SINK. WALLS AROUND MOP SINK TO RECEIVE ½" CEMENTITIOUS BACKER BOARD FROM FLOOR TO 4'-0" A.F.F. REFER TO MECHANICAL DWGS.
- [14] G.C. TO SUPPLY AND INSTALL SOUND BATT INSULATION ON ALL PUBLIC WASHROOM WALLS.

- · WALL TO BE COMPLETE W/ 1 LAYER ½" DUROCK NEXT GEN CEMENT BOARD ON 2"X6" METAL STUDS @ 16" O.C. CARRY STUDS & CEMENT BOARD TO 6" ABOVE CEILING.
- [18] PROVIDE PROPER NON-COMBUSTIBLE SUPPORT IN WALL AS REQUIRED TO SUPPORT EXHAUS HOOD. COORDINATE WITH HOOD VENDOR.
- 20 INSTALL FLOOR TILE AFTER INSTALLATION OF COOLER UNIT. G.C TO COORDINATE WITH COOLER/ FREEZER MANUFACTURER.
- 22 PROVIDE & INSTALL SCHLUTER STRIP AT TILED CORNERS. REFER TO SHEET A10 FOR SPECIFICATIONS.
- 23 WATER FILTRATION SYSTEM BY EQUIPMENT SUPPLIER. REFER TO MEP DRAWINGS. WATER FILTRATION SYSTEM TO BE INSTALLED TIGHT AGAINST THE CORNER.
- 24 REFER TO SHEET A9.3 FOR WASHROOM ELEVATIONS.
- PROVIDE BACKING/BLOCKING IN WALL AS REQUIRED TO SUPPORT WALL MOUNTED LED
- 27 DASHED LINE INDICATES LOCATION OF FROST SLAB (FOR COLDER CLIMATE REGIONS). REFER
- TO STRUCTURAL DRAWINGS FOR SIZE. 28 1/2" CEMENT BOARD EXTEND 24" A.F.F AND 1/2" GYPSUM WALL BOARD ABOVE ON 3 5/8" METAL
- [29] G.C TO PROVIDE LEVEL 5 DRYWALL FINISH (AT A LOCATION BEHIND WALL GRAPHIC) C/W 2 COATS OF PRIMER OR 1 COAT OF LATEX PAINT.
- WALL MOUNTED FIRE EXTINGUISHER TO BE SUPPLY AND INSTALL BY G.C. G.C. TO VERIFY LOCATION WITH FIRE MARSHALL.
- 32 SEMI- RECESSED FIRE EXTINGUISHER AND CABINET. REFER TO INTERIOR ELEVATION 3/A9.
- 33 PROVIDE PLYWOOD BEHIND PORTAL OFFICE CABINET. REFER TO INTERIOR ELEVATION 9/A9.
- B6 DRIVE THRU WINDOW SUPPLY AND INSTALL BY G.C.
- |PROVIDE MIN. 2" AIR SPACE BETWEEN COOLER / FREEZER AND FACE OF WALL.
- GOOLER / FREEZER UNIT PROVIDED & INSTALLED BY MANUFACTURER. INTERIOR RAMP TO BE PROVIDED INSIDE FREEZER UNIT BY MANUFACTURER. G.C TO COORDINATE.
- 41 CROSS HATCH INDICATES LOCATION OF SHEAR WALLS. REFER TO STRUCTURAL DRAWINGS.

- 6 G.C TO PROVIDE AND INSTALL S/S PANELS BEHIND AND BESIDE FRY STATION AS INDICATED. REFER TO DETAIL 1/A8 AND INTERIOR ELEVATIONS 9/A9.1.

SEPARATIONS. HILTI USA FS-ONE MAX FIRESTOP INTUMESCENT SEALANT, HILTI USA 1-800-879-8000 FIRE CAULK TOP & BOTTOM OF FIRE RATED SEPARATIONS. G.C TO PROVIDE & INSTALL 1/2" CEMENTITIOUS BACKER BOARD INSTEAD OF GYPSUM BOARD TO 2-0" ABOVE FLOOR SLAB (FOR ALL INTERIOR PARTITIONS).

. REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.

- 47 RAIN WATER LEADER. REFER TO PLUMBING DRAWINGS.
- LOCATION OF WATER METER TO BE COORDINATED WITH CIVIL PLANS.
- 8 WATER METER AND BACK FLOW PREVENTER. REFER TO PLUMBING DRAWINGS. EXACT

REVISIONS Date Description 8/01/2023 RESPONSE TO CITY 9/04/2023 HEALTH COMMENTS 3 9/12/2023 RESPONSE TO CITY 4 9/12/2023 HEALTH COMMENTS

Description

ISSUE TABLE

No.	Date	Description		

DRAWINGS REVISED AS PER DESIGN BULLETIN



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9.14.2023

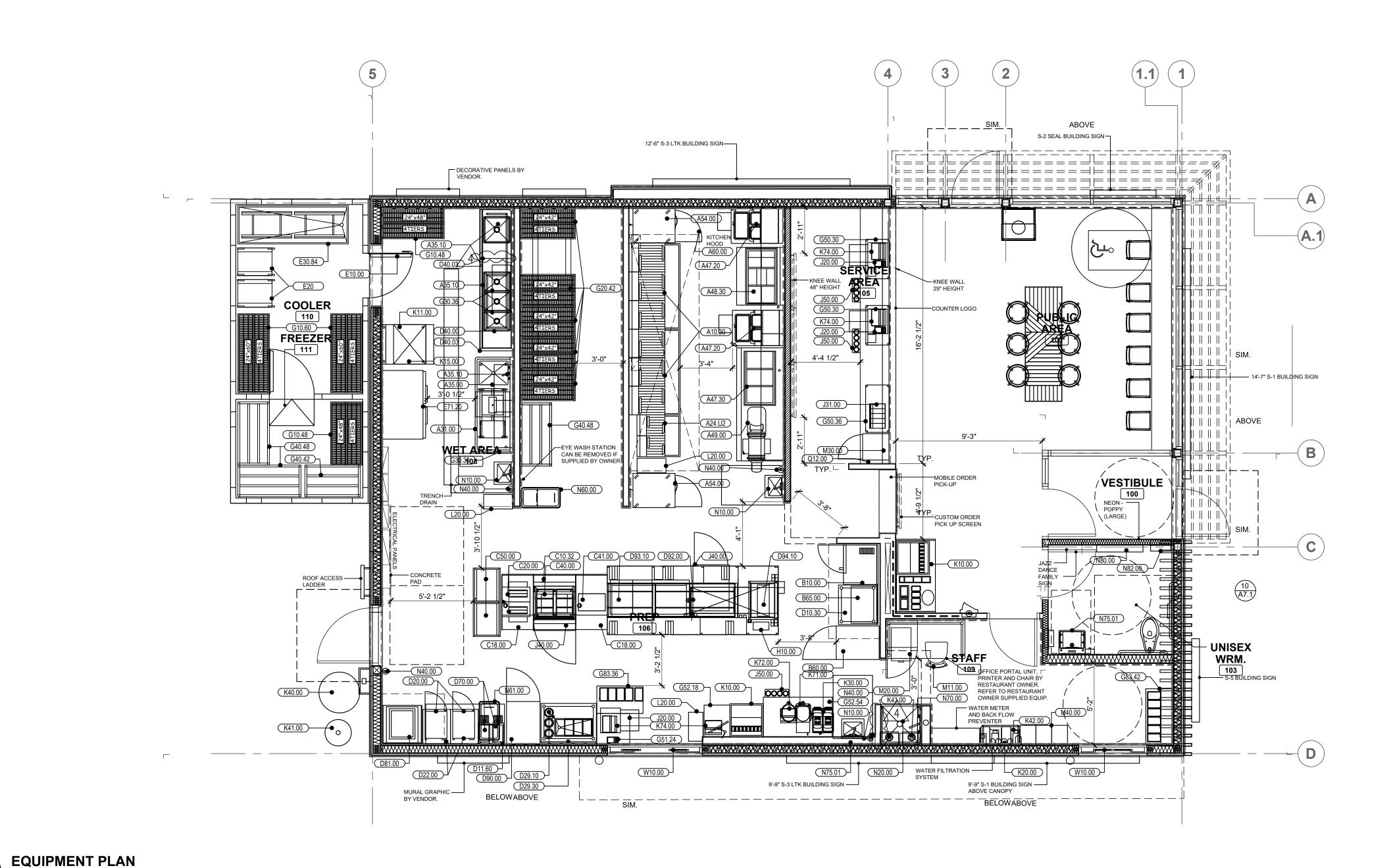
TEL: 214-343-9400 <u>www.dimensiongrp.com</u>

US 2112 PROTOTYPE

Company Logo

FLOOR PLAN

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Drawn	Checked	SIAN
SH	AL	
Scale	Date	
1/4"=1'-0"	JUNE 2023	<u>/ES</u>
Project No.	Drawing No.	سِّا
C22-129	A1	PO



A2 SCALE: 1/4"=1'-0"

EQUIPMENT GENERAL NOTES

AS OF APRIL 31, 2021, CAPTIVE AIRE NO LONGER MANUFACTURES OR SELLS THE POPEYES LOW PROFILE HOOD. THE ONLY APPROVED HOOD IS THE FRANKE PLK HOOD. CAD DWGS AND SPECS CAN BE FOUND IN THE DESIGN PORTAL ON THE EQUIPMENT SCHEDULE TAB. IDMBS CLEARANCE MUST REMAIN AT 135" MIN AFTER FINISHES TO BE ABLE TO

FIT (3) 50" TV MONITOR SCREENS

- NOTE
- 1. IT IS RESPONSIBILITY OF THE G.C. TO COORDINATE DELIVERY, UNCRATING, POSITIONING, FINAL HOOK UP AND REMOVAL OF TRASH OF ALL OWNER SUPPLIED KITCHEN EQUIPMENT.
- 2. ALL KITCHEN EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
- 3. DECOR ITEMS SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR. 4. FOR DINING ROOM FURNITURE, SEE DECOR PACKAGE, CONTACT DECOR VENDOR FOR DETAILS.
- 5. ARCHITECT OF RECORD TO ENSURE AND COORDINATE THAT ALL INTERIOR AND EXTERIOR COMPLIES WITH ADA REQUIREMENTS AS WELL AS LOCAL JURISDICTIONS.
- 6. AS OF DECEMBER 31, 2021, CAPTIVE AIRE NO LONGER MANUFACTURERS OR SELLS THE POPEYES LOW PROFILE HOOD. THE ONLY APPROVED HOOD IS THE FRANKE PLK HOOD. THE ONLY APPROVED HOOD IS THE FRANKE PLK HOOD. CAD DWGS AND SPECS CAN BE FOUND IN THE DESIGN PORTAL ON THE EQUIPMENT SCHEDULE TAB.

NEW KITCHEN EQUIPMENT SCHEDULE

ITEMNO	QTY	CATEGORY	MFR	MODEL	EQUIPMENT REMARK
A10.30	2	MULTIPLE FRYER SYSTEM, ELECTRIC	ULTRAFRYER	B-E20-20-3-UC	
A10.40	2	SHORTENING DISPOSAL UNIT	ULTRAFRYER	DISPOSAL	NOT SHOWN IN PLAN
A10.50	2	BOILOUT HOSE	ULTRAFRYER	BOILOUT	NOT SHOWN IN PLAN
A24.U2	1	MULTIPLE FRYER SYSTEM, ELECTRIC	ULTRAFRYER	B-E17-14-2-UCP	
A31.00	1	MARINATOR	AYRKING	M101-110	
A35.00	1	ONE COMPARTMENT SINK	WINHOLT	1143828	
A35.10	3	PRE-RINSE FAUCET ASSEMBLY	T&S	B2180	
A35.20	1	ONE COMPARTMENT SINK	WINHOLT		
A47.20	2	BATTER STATION 29"	AYRKING	BBSUL2934P	
A47.30	1	BATTER STATION 86"	KES	CUSTOM	
A48.30	1	3-PAN ICE BATH TABLE FABRICATION	KES	CUSTOM	
A49.00	1	DRUMROLL	AYRKING	DRUF120TPR 8POP	
A54.00	2	REACH-IN FREEZER	DELFIELD	GBF1P-S	
A60.00	1	15' HOOD	FRANKEE	3347 FR-BD-2	
B10.00	1	CONVECTION OVEN, DOUBLE STACKED	BLODGETT OVEN	CTB DBL	
B20.00	1	COUNTERTOP MIXER			
B60.00	1	REACH-IN REFRIGERATOR	DELFIELD	GBR1P-S	
B65.00	1	BISCUIT HOLDING UNIT	NWS	D328530400N	
C10.32	1	POPEYES DUAL SIDE SANDWICH PREP	NWS	F775670100N	
C20.00	1	TOASTER	ANTUNES	VCT-2	
C40.00	1	PRODUCT HOLDING UNIT	PRINCE CASTLE	EHBP23	
C41.00	1	PROTEIN HOLDING UNIT	PRINCE CASTLE	PHB41F	
C50.00	2	BUN / SHEET PAN RACK	CAMBRO	UPR1826F20580	
D10.30	1	WORK TABLE	NWS	D202070400N	
D11.60	1 -	WORK TABLE 60"	KES	CUSTOM	-
D20.00	2	MICROWAVE OVEN	PANASONIC	NE-17523	
D22.00	2	MICROWAVE SHELF	NWS	D413310300N	
D29.10	1	PACKING TABLE, CONSERVEWELL UTENSIL	SERVER	CW-DI	
D29.30	1.	PACKING TABLE, SINGLE SIDED	KES	CUSTOM	-
D29.80	1.	HOT WELLS	KES	F77500011111	-
D40.00	1	3-BOWL SINK	NWS	F775660100N	-
D40.03	 1	SPLASH DIVIDER	NWS	F367400100N	1
D41.00	+	NOT USED	ADVANCE TABCO	DTC-S60-24R	
D50.00	1_	NOT USED	HOBART	AM-15VLT-2	-
D70.00	2	HOT WATER DISPENSER	BUNN	H5XEL	-
D81.00	1	RETHERMALIZER, WATER TANK, ELECTRIC	ULTRAFRYER	REO-1620-X	
D90.00	1	HOLDING UNIT / CVAP	WINSTON	HA4522	
D92.00	1	HOLDING BINS	PRINCE CASTLE	PHB21N2	
D92.00DM	1	HOT HOLDING CABINET			
D93.10	1	HOLDING BINS	PRINCE CASTLE	DHB2PT-60P	
D94.00	1	PROTEIN HOLDING BIN	PRINCE CASTLE	PHB34R2	
D94.10	1	BISCUIT HOLDING BIN	PRINCE CASTLE	PHB21N1	
E10.00	1	WALK-IN COOLER	KOLPAK	WICF A185891	
E20.00	2	CHICKEN RACKS	SPG	4H1286	
E30.84	1	CHICKEN CRATE	NWS	D125050500N	
E71.00	1	EVEN-THAW REFRIGERATOR			
E71.20	1	DOUBLE EVEN-THAW REFRIGERATOR	TRAULSEN	RE232N-1	
F15.10	1	FAB ELECTRICAL			
G10.48	2	COATED WIRE SHELVING - 4 TIERS	METRO	2448NK3	
G10.60	2	COATED WIRE SHELVING - 4 TIERS	METRO	2448NK3	
G20.42	5	WIRE SHELVING WITH TRACK 42"	METRO	2448NK3	
G30.36	4	WIRE SHELVING WALL MOUNTED - 36" 2 TIER	METRO	2448NK3	
G40.42	2	DUNNAGE RACK	KES	CUSTOM	
G40.48	1	DUNNAGE RACK	KES	CUSTOM	
G50.30	2	WIRE SHELVING UNCOATED - 2 TIER 30"	METRO	CUSTOM	
G50.36	1	WIRE SHELVING UNCOATED - 2 TIER 36"	METRO	CUSTOM	
G51.24	1	POS TABLE 24"	METRO	CUSTOM	
G52.18	1	DRIVE-THRU TABLE 18"	KES	CUSTOM	
G52.54	1	DRIVE-THRU TABLE 54"	KES	CUSTOM	
G83.36	1	EXPEDITE TABLE	KES	CUSTOM	
G83.42	1	EXPEDITE TABLE	KES	CUSTOM	
GR10.00	1	CONTACT GRILL			
H10.00	1	MODULAR PRODUCTION COUNTER - DUAL LINE	KES	сиѕтом	
H90.00	1	HOLDING CABINET			
J20.00	3	CASH CONTROLLER	NKL INDUSTRIES	W-101	
J31.00	1	CONDIMENT ORGANIZER BIN RACK	CAMBRO	12RS12	
J40.00	1	UNDERCOUNTER REFRIGERATOR	SILVER KING	SKRS28	
J50.00	3	DISPOSABLE CUP DISPENSER	DISPENSE-RITE	WR-CC-22-POP	
K10.00	2	SODA MACHINE	MANITOWOC	IBF0620C	
K11.00	1	ICE MAKER, CUBE-STYLE	MANITOWOC	IYF0900N	
K15.00	1	ICE BIN	MANITOWOC	D570 8POP	<u></u>
K20.00	1	WATER FILTER SYSTEM	EVERPURE	EV943710	
K30.00	1	FROZEN LEMONADE	BUNN	34000.0012	
K40.00	1	GREASE TANK			
	1	CO2 TANK			
K41.00	$\overline{}$	BAG N BOX			BY OTHERS
K41.00 K42.00	1				BY OTHERS
	2	WATER HEATERS	In this	ITCB	
K42.00		TEA BREWER	BUNN	i	
K42.00 K43.00	2		BUNN	TDO40	
K42.00 K43.00 K71.00 K72.00	2	TEA BREWER		TDO40	BY OTHERS
K42.00 K43.00 K71.00 K72.00	2 1 2	TEA BREWER TEA DISPENSER		TDO40	BY OTHERS
K42.00 K43.00 K71.00 K72.00 K74.00	2 1 2 4	TEA BREWER TEA DISPENSER POS		TDO40 TF1015	
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00	2 1 2 4 3	TEA BREWER TEA DISPENSER POS TRASH BINS	BUNN		NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00	2 1 2 4 3	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE	BUNN WAUSAU	TF1015	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00 M11.00	2 1 2 4 3 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE	BUNN WAUSAU WAUSAU	TF1015 TF1021	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00 M11.00 M20.00	2 1 2 4 3 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK	BUNN WAUSAU WAUSAU NWS	TF1015 TF1021 F367310100N	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00 M11.00 M20.00 M30.00	2 1 2 4 3 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES	WAUSAU WAUSAU NWS WASSER	TF1015 TF1021 F367310100N 106053	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00 M11.00 M20.00 M30.00 M40.00	2 1 2 4 3 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING	TF1015 TF1021 F367310100N 106053 BSD2920	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00	2 1 2 4 3 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00 N20.00	1 2 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68	NOT SHOWN IN PLAN
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00 N20.00 N40.00	1 2 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK MOP SINK (30"x30") FIRE EXTINGUISHER	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE FIAT ACTION	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68 MSB3030	NOT SHOWN IN PLAN NOT SHOWN IN PLAN CLASS K
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 LP46.00 M11.00 M20.00 M40.00 N10.00 N20.00 N40.00 N40.10	2 1 2 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK MOP SINK (30"x30") FIRE EXTINGUISHER FIRE EXTINGUISHER	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE FIAT ACTION ACTION	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68 MSB3030 436500 434909	NOT SHOWN IN PLAN NOT SHOWN IN PLAN CLASS K
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00 N20.00 N40.00 N40.00 N40.00 N40.00 N40.00	2 1 2 4 3 1 1 1 1 1 1 1 1 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK MOP SINK (30"x30") FIRE EXTINGUISHER FIRE EXTINGUISHER FLOUR BIN	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE FIAT ACTION ACTION RUBBERMAID	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68 MSB3030 436500 434909 FG360288WHT	NOT SHOWN IN PLAN NOT SHOWN IN PLAN CLASS K
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00 N40.00 N60.00 N61.00	1 2 4 3 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK MOP SINK (30"x30") FIRE EXTINGUISHER FIRE EXTINGUISHER FLOUR BIN INGREDIENTS BIN	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE FIAT ACTION ACTION RUBBERMAID RUBBERMAID	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68 MSB3030 436500 434909 FG360288WHT FG360288WHT	NOT SHOWN IN PLAN NOT SHOWN IN PLAN CLASS K
K42.00 K43.00 K71.00 K72.00 K74.00 L20.00 LP45.00 M11.00 M20.00 M40.00 N10.00 N20.00 N40.00 N40.00 N40.00 N40.00 N40.00	2 1 2 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	TEA BREWER TEA DISPENSER POS TRASH BINS OUTSIDE TRASH RECEPTACLE OUTSIDE TRASH RECEPTACLE MANAGERS DESK OFFICE SUPPLIES SAFE LOCKERS W/ 6 HIGH UNIT HAND SINK MOP SINK (30"x30") FIRE EXTINGUISHER FIRE EXTINGUISHER FLOUR BIN	BUNN WAUSAU WAUSAU NWS WASSER FIRE KING KELMAX KROWNE FIAT ACTION ACTION RUBBERMAID	TF1015 TF1021 F367310100N 106053 BSD2920 EL SERIES HS-68 MSB3030 436500 434909 FG360288WHT	NOT SHOWN IN PLAN NOT SHOWN IN PLAN CLASS K

7	No.	Date (mm/dd/yy)	Description	
1				
	REVIS	IONS		
	No.	Date	Description	
	1	8/01/2023	RESPONSE TO CITY	
J	2	9/04/2023	HEALTH COMMENTS	
	3	9/12/2023	RESPONSE TO CITY	
		i		

ISSUE TABLE

4 9/12/2023

DRAWINGS REVISED AS PER DESIGN BULLETIN		
No.	Date	Description



HEALTH COMMENTS

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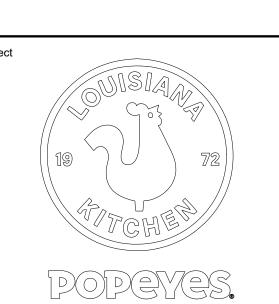
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9.14.2023

Company Logo

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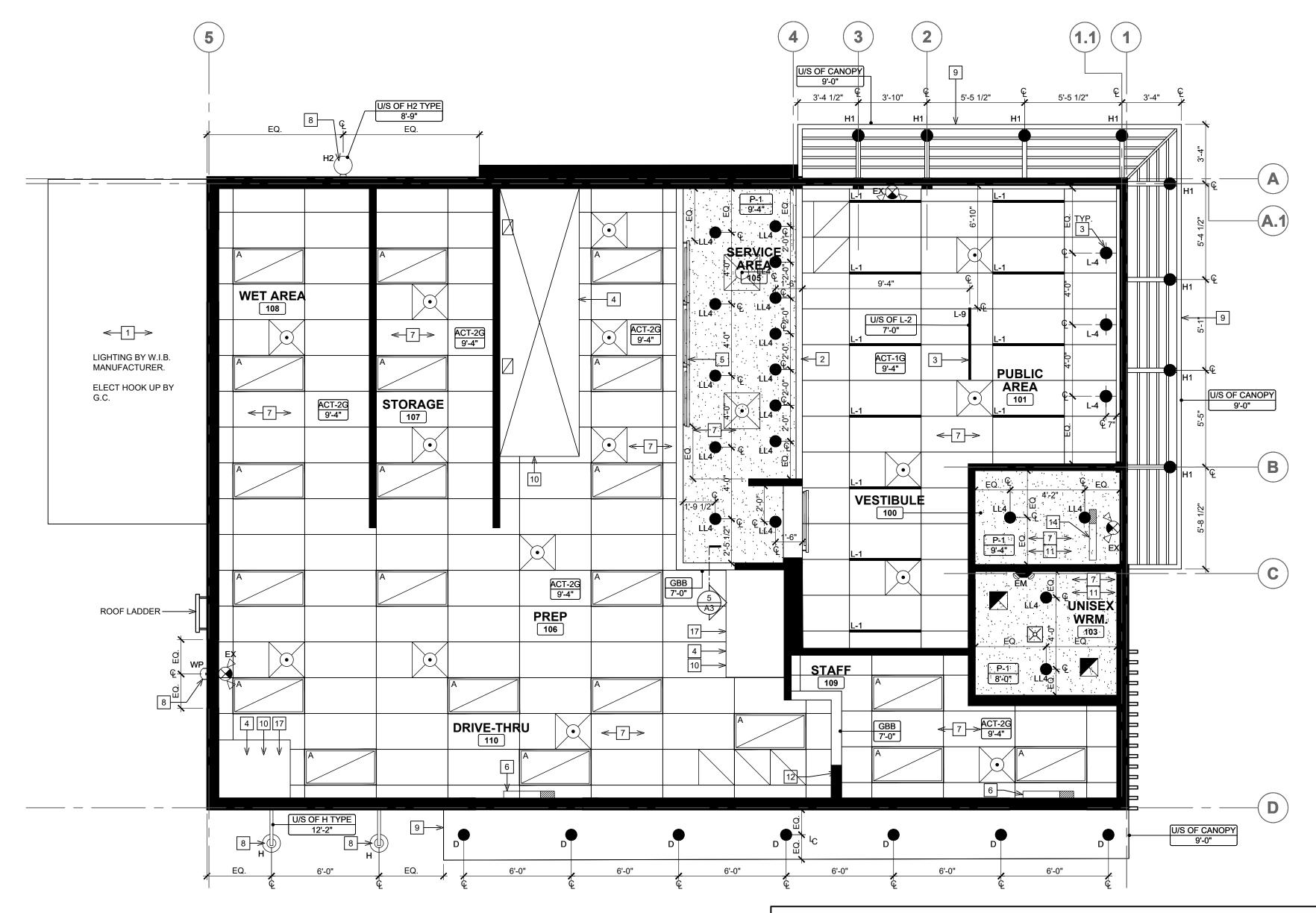


US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

EQUIPMENT PLAN & SCHEDULES

Drawn	Checked
SH	AL
Scale	Date
1/4"=1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	A2



NOTE:

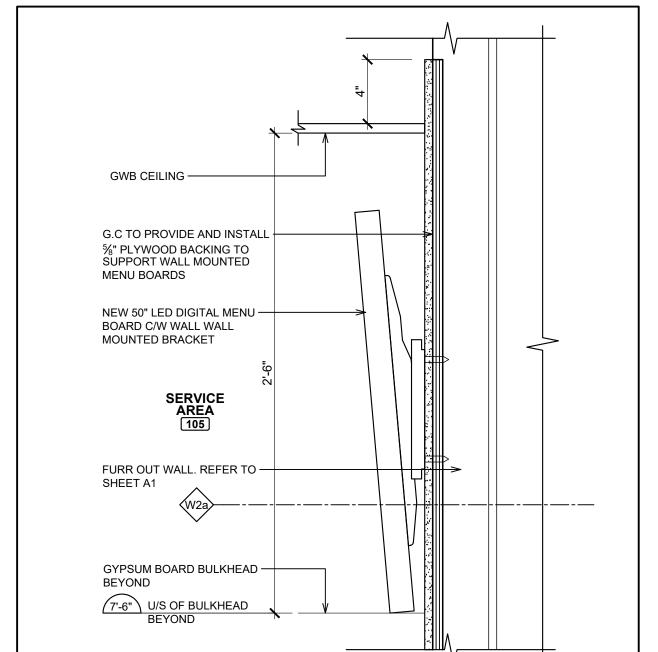
THE GENERAL CONTRACTOR IS TO ENSURE THE FOLLOWING ITEMS ARE BUILT IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND TO MEET CODE REQUIREMENTS (INCLUDING SEISMIC AND LATERAL RESTRAINT) AS REQUIRED: - SUSPENDED SHELVING SUPPORTS

- SEISMIC AND LATERAL RESTRAINT FOR DUCTWORK

- SUSPENDED CEILING PANELS, GYPSUM BOARD / T-BAR CEILINGS IN RELATION TO SEISMIC AND LATER RESTRAINT.

CAMERAS # NUMBER OF CAMERAS

THE GENERAL CONTRACTOR IS RESPONSIBLE THAT ALL SUB-TRADES HAVE RETAINED A QUALIFIED STRUCTURAL ENGINEER TO REVIEW THEIR APPROPRIATE WORK. STRUCTURAL ENGINEER(S) TO ISSUE LETTER (ON THEIR LETTERHEAD) STATING THAT ALL WORK MEETS THE REQUIREMENT OF BUILDING CODE FOR SEISMIC RESTRAINTS.

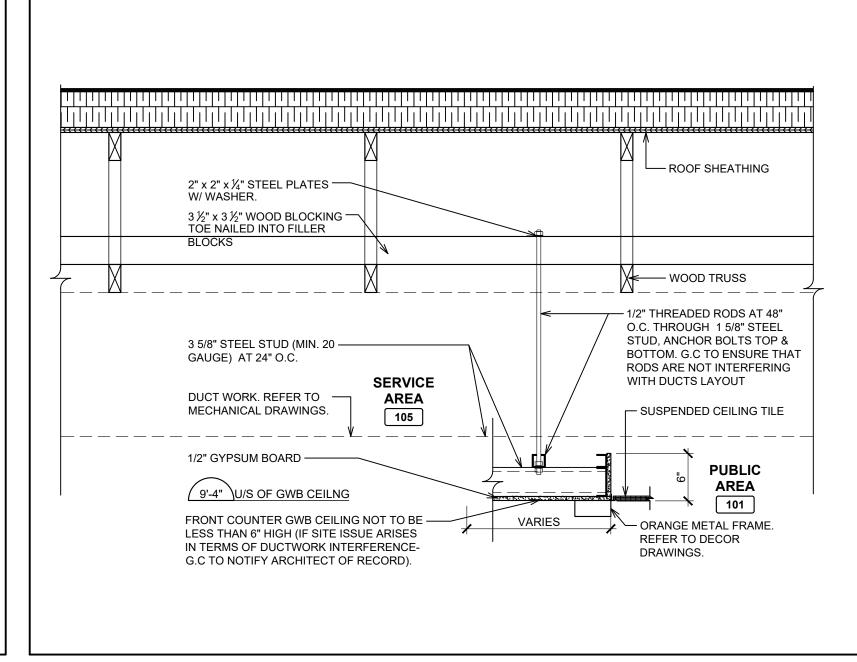


MENU SCREEN DETAIL (WALL MOUNTED)

A3 SCALE: 2"=1'-0"

REELECTED CEILING PLAN

A3 SCALE: 1/4"=1'-0"

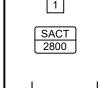


SECURITY CAMERA LEGEND (16.3)			
CAP INDEX	SECURITY PACKAGE #	CAMERA #S	
0<100	1	1-4	
100<250	2	1-8	
>250 3 1-12			

SYMBOL LEGEND

NOTE REFERENCE

SECTION NUMBER DRAWING NUMBER



DENOTES CEILING HT & MATERIAL GYPSUM BOARD GYPSUM BOARD BULKHEAD LAY-IN GYPSUM BOARD

HVAC DUCTWORK WITH AIR GRILLE. REFER TO MECHANICAL DRAWINGS.



RETURN AIR GRILLE. REFER TO MECHANICAL DRAWINGS.



SUPPLY AIR GRILLE. REFER TO MECHANICAL DRAWINGS.

EXHAUST FAN. REFER TO MECHANICAL DRAWINGS.

SPEAKERS ATTACHED TO U/S OD TRUSS. REFER TO ELECTRICAL DRAWINGS. RADIO & AMPLIFIER. REFER TO ELECTRICAL DRAWINGS.

AIR TRANSFER DUCT. REFER TO MECHANICAL DRAWINGS.

CEILING MOUNTED HORN / STROBE INDICATING DEVICE. REFER TO ELECTRICAL DRAWINGS. CEILING MOUNTED STROBE ONLY DEVICE. REFER TO

ELECTRICAL SCHEDULE

ELECTRICAL DRAWINGS.



2'-0" X 4'-0" RECESSED FIXTURE

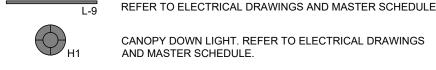


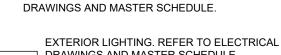
PENDANT LIGHTING INSTALLED @ 7'-0" A.F.F. REFER TO ELECTRICAL DRAWINGS AND MASTER SCHEDULE.

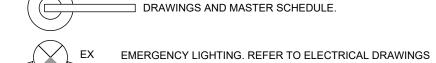


RECESSED DOWN LIGHT. REFER TO ELECTRICAL DRAWINGS AND MASTER SCHEDULE.

LINEAR LIGHTING INSTALLED @ 9'-4" A.F.F. REFER TO ELECTRICAL DRAWINGS AND MASTER SCHEDULE. LINEAR SUSPENDED LIGHTING INSTALLED @ 7'-0" A.F.F.







AND MASTER SCHEDULE.

AND MASTER SCHEDULE. EMERGENCY LIGHTING. REFER TO ELECTRICAL DRAWINGS

RECESSED DOWN LIGHT IN CANOPIES. REFER TO ELECTRICAL

WP EXTERIOR WALL PACK LIGHTING. REFER TO ELECTRICAL DRAWINGS AND MASTER SCHEDULE. REFER TO ELECTRICAL DRAWINGS FOR **SPECIFICATIONS**

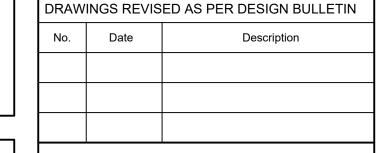
CEILING PLAN NOTES

- 1 REFER TO WALK-IN FREEZER & COOLER MANUFACTURER FOR EVAPORATOR AND LIGHTING. FINAL CONNECTION BY G.C.
- 2 ORANGE METAL FRAME AROUND OPENING OF FRONT COUNTER. REFER TO POPEYES DECOR PACKAGE.
- 3 ALL PENDANTS / LIGHTS TO BE SUPPLY BY GC / OWNER AND INSTALLED BY G.C. JUNCTION BOX AND FINAL ELECTRICAL CONNECTION BY G.C. PENDANT LIGHTS TO BE MOUNTED AT 7'-0" A.F.F. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE INFORMATION.
- [4] EXHAUST HOODS SUPPLY BY OWNER AND INSTALL BY G.C.REFER TO MECHANICAL DRAWINGS.
- 5 WALL MOUNTED LED SCREENS SUPPLIED BY POPEYES. AND INSTALLED BY G.C. REFER TO DETAIL 3/A3. G.C TO PROVIDE & INSTALL ADEQUATE BLOCKING/BACKING FOR SUPPORT.
- 6 PROPOSED LOCATION OF AIR CURTAIN IF REQUESTED BY RESTAURANT OWNER . REFER TO MECHANICAL/ELECTRICAL DRAWINGS. GC TO PROVIDE AND INSTALL ELECTRICAL POWER FOR FUTURE AIR CURTAIN. OPERATORS TO BE PROVIDED AT DRIVE-THRU WINDOW IF AIR
- 7 ALL DIFFUSERS & RETURN AIR GRILLES TO MATCH CEILINGS (THROUGHOUT THE ENTIRE RESTAURANT).
- 8 REFER TO EXTERIOR ELEVATIONS FOR MOUNTING LOCATION OF WALL MOUNTED LIGHT FIXTURES (TYP.)
- 9 LINE OF CANOPY ABOVE. SUPPLY AND INSTALL BY SIGNAGE VENDOR. REFER TO DETAILS AND STRUCTURAL DRAWINGS.

CURTAIN IS INSTALLED. ALL ELECTRICAL OULETS PROVIDED TO BE CAPPED OFF. REFER TO ELECTRICAL DRAWINGS.

- 0 G.C. TO SUPPLY AND INSTALL 20 GA. STAINLESS STEEL PANEL ON CEILING TILE W/ HOLD DOWN CLIP AROUND EXHAUST HOOD. DO NOT FASTEN TO EXHAUST FOOD. ANY DAMAGED TO THE EQUIPMENT HOOD WILL BE AT THE COST OF G.C.
- 11 CEILING IN PUBLIC RESTROOMS / WASHROOM VESTIBULE TO BE PAINTED GYPSUM BOARD INSTALLED OVER 2" X 4" WOOD CEILING FRAMING @ 2'-0" O.C.
- 12 RAINWATER LEADER. REFER TO MECHANICAL DRAWINGS.
- [13] G.C. TO SUPPLY AND INSTALL EXHAUST FAN IN THE CABINET TO VENT ABOVE CEILING AT OFFICE DESK.
- 14 HOOD USED ONLY WHERE THE CITY REQUESTS HOOD ABOVE EQUIPMENT.
- FRONT COUNTER BULKHEAD. REFER TO DETAIL 4/A3. FRONT COUNTER BULKHEAD NOT TO BE LESS THAN 6" HIGH (IF SITE ISSUE ARISES IN TERMS OF DUCTWORK INTERFERENCE- GC TO NOTIFY ARCHITECT OF RECORD).
- 16 JLC T-BAR LED LINEAR LIGHTING FIXTURE INSTALL T-BAR GRID. REFER TO FINISH SCHEDULE.

		ISSUE	TABLE	
		No.	Date (mm/dd/yy)	Description
		REVIS	IONS	
		No.	Date	Description
		1	8/01/2023	RESPONSE TO CITY
		2	9/04/2023	HEALTH COMMENTS
		3	9/12/2023	RESPONSE TO CITY
		4	9/12/2023	HEALTH COMMENTS
		 		





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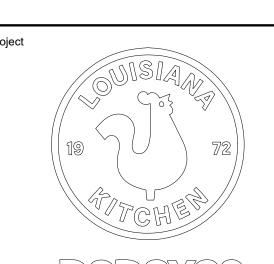
THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAN. KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWING ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".



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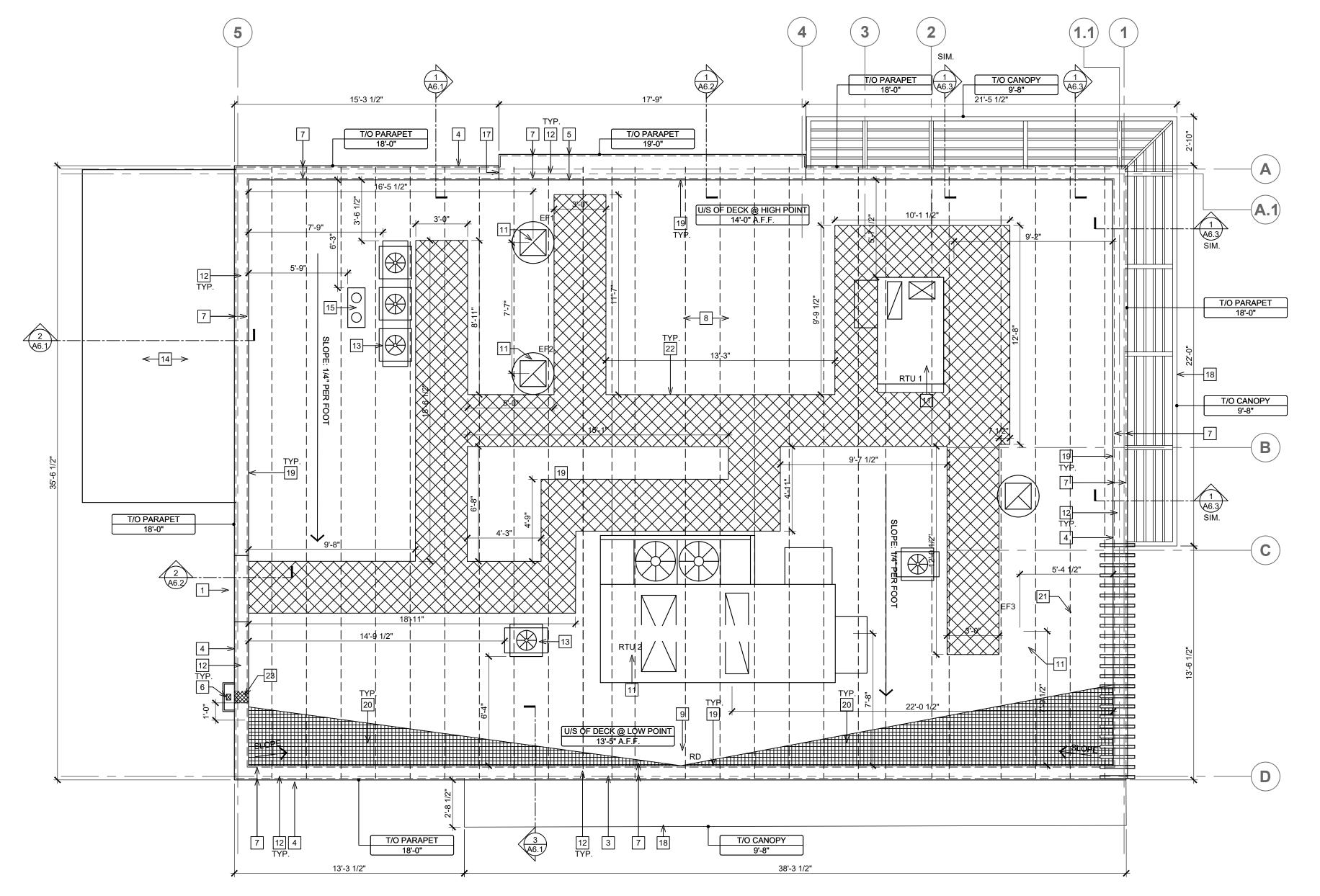
US 2112 PROTOTYPE

1517 NC 24-87 CAMERON, NC

REFLECTED **CEILING PLAN & DETAILS**

Drawn	Checked
SH	AL
Scale	Date
1/4"=1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	A3

FRONT COUNTER BULKHEAD DETAIL A3 SCALE: 1"=1'-0"



SYMBOL **LEGEND**

> DETAIL NUMBER
> DRAWING NUMBER $\begin{pmatrix} 1 \\ A1 \end{pmatrix}$ NOTE REFERENCE

ALL ROOFING TO BE IN STRICT ACCORDANCE WITH THE NATIONAL ROOFING CONTRACTORS ASSOCIATION ROOFING MANUAL

G.C IS RESPONSIBLE FOR SEALING ALL ROOF PENETRATIONS UPON COMPLETION OF THE PROJECT.

ROOF TYPE LEGEND

(AS PER NRCA STANDARDS)

ROOF ASSEMBLY:
- MAS 60mil WHITE ULTRAPLY TPO MEMBRANE (OR APPROVED EQUAL) - 2 LAYERS OF RIGID INSULATION (R-33 MIN.) 10mil VAPOUR RETARDER - WOOD ROOF DECK - WOOD TRUSS

CALCULATED ROOF AREA

HORIZONTAL ROOF SURFACE (S.F) VERTICAL SURFACE 50% AREA (S.F) 589 2283 TOTAL PROJECTED ROOF AREA (S.F) DRAINAGE CALCULATIONS: (SIZE OF VERTICAL CONDUCTORS AND LEADERS) 100 YEAR, 1 HOUR RAIN FALL (IN.) (PER FIGURE 1106.1, NC PLUMBING CODE) VERTICAL LEADER SIZE (RECTANGULAR) 3-1/2" X 4"

REQUIRED OVERFLOW SCUPPER SIZE (SINGLE) VERTICAL LEADER (X1) CAPACITY PROVIDED

SPECIFIED LEADER CAPACITY (SINGLE)

(PER TABLE 1106.2(2), NC PLUMBING CODE

5,300 S.F.

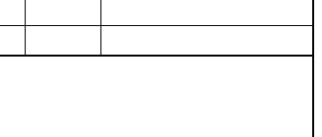
5300 S.F

Description

ISSUE TABLE

REVISIONS Description RESPONSE TO CITY HEALTH COMMENTS 9/04/2023 3 9/12/2023 RESPONSE TO CITY

4	9/12/2023	HEALTH COMMENTS		
DRAWINGS REVISED AS PER DESIGN BULLETIN				
No.	Date	Description		





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US 2112 PROTOTYPE

1517 NC 24-87 CAMERON, NC

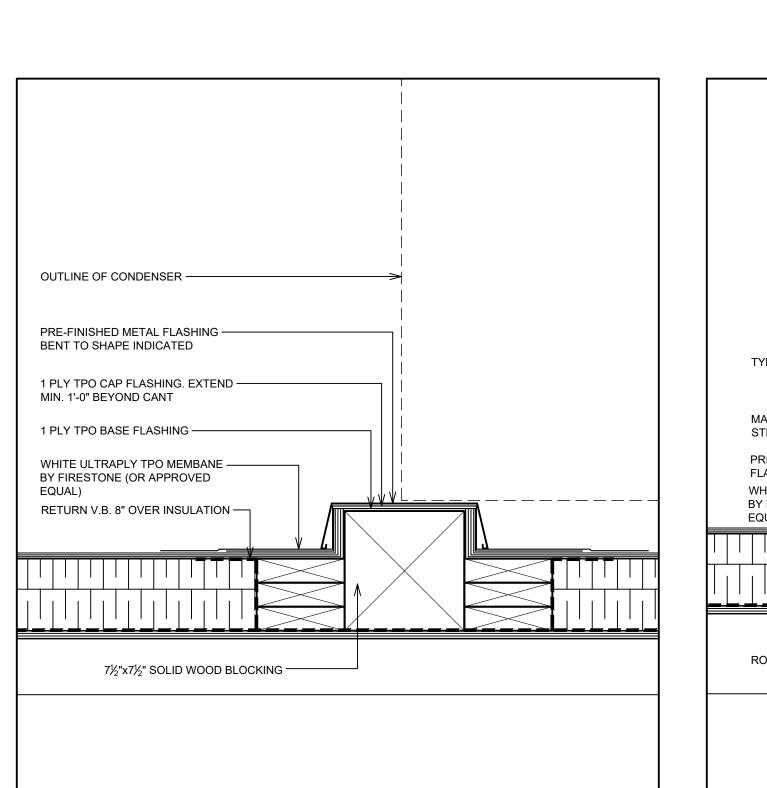
ROOF PLAN AND DETAILS

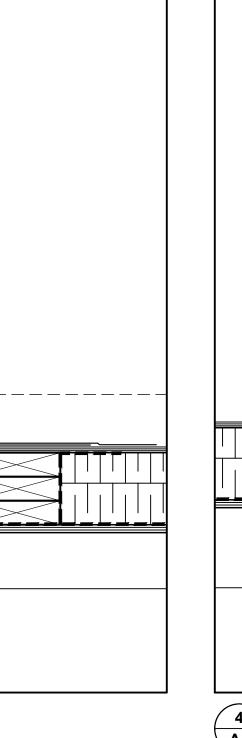
SH 1/4"=1'-0" JUNE 2023 Project No. Drawing No. C22-129

ROOF PLAN NOTES

- 1 ROOF ACCESS HATCH TO MATCH PRE-FINISHED METAL CAP FLASHING. REFER TO DETAIL 1/A6.3.

- 4 LINE OF PARAPET. REFER TO DETAIL ON SHEET 1/A7 & 9/A7.
- 5 LINE OF HIGH PARAPET. REFER TO DETAIL ON SHEET 5/A7.
- 6 PRE-FINISHED COLLECTOR BOX & DOWNSPOUT. REFER TO DETAIL 2/A4.1.
- 7 LINE OF WALL BELOW.
- 8 WHITE ULTRAPLY TPO MEMBRANE BY FIRESTONE (OR APPROVED EQUAL). REFER TO ROOF TYPE SCHEDULE &
- 9 ROOF DRAIN. REFER MECHANICAL DRAWINGS.
- WHITE ULTRAPLY TPO MEMBRANE BY FIRESTONE (OR APPROVED EQUAL) OVER DIAGONAL BRACING C/W RIGID INSULATION. REFER TO STRUCTURAL DRAWINGS.
- H.V.A.C UNITS AND EXHAUST FANS AS PER MECHANICAL DRAWINGS. PROVIDE CURB WHERE REQUIRED. REFER TO DETAIL 2/A4.
- PRE-FINISHED METAL CAP FLASHING. REFER TO EXTERIOR FINISH SCHEDULE ON SHEET A5 FOR COLOUR AND TYPE. PROVIDE SLEEPERS FOR ROOF TOP CONDENSER UNIT. SLEEPERS TO SPAN ACROSS JOISTS BELOW. REFER TO DETAIL
- 3/A4 & STRUCTURAL DRAWINGS. 14 EXTERIOR WALK-IN COOLER/FREEZER ROOF.
- G.C TO PROVIDE AND INSTALL DOUBLE PIPE PORTAL (PART NO. 36002) C/W C-126 & C-212 CAP FOR PCL LINES FOR WALK-INS. ROOF OPENING (2'-3½" x1'-0") AND ROOF CURBS TO BE PROVIDED AND FURNISHED BY G.C. REFER TO DETAIL
- 16 PROVIDE & INSTALL 3M NON-SLIP TAPE ON FLASHING AT LADDER LOCATION.
- VINTAGEBRICK FINISH TO WRAP ON SIDE OF HIGH PARAPET WALLS. REFER TO EXTERIOR ELEVATIONS.
- 18 CANOPY BELOW. REFER TO EXTERIOR ELEVATIONS.
- EXTEND ROOF MEMBRANE UP PARAPET WALL AND OVER TOP OF FRAMING (TYP.). SECURE PREFABRICATED ROOF EDGE
- CLEATS THROUGH MEMBRANE AS SPECIFIED BY MANUFACTURER. REFER TO WALL SECTIONS AND DETAILS. CROSS HATCH INDICATES TAPERED INSULATION OVER SPECIFIED RIGID THERMAL INSULATION (TYP.) FIELD VERIFY ROOF DRAIN LOCATIONS PRIOR TO INSTALLATION & INSTALL PER ROOF MANUFACTURER SPECIFICATIONS. G.C TO COORDINATE ACTUAL EXTENTS OF TAPERED INSULATION MATERIALS WITH ROOF INSTALLER & VERIFY INSTALLED COUNTER SLOPE OF ½" PER FOOT (MIN., AS MEASURED FROM LEVEL PLANE) TO DIRECT STORM WATER TOWARD ROOF DRAINS AS INDICATED
- VENTS. REFER TO MECHANICAL DRAWINGS & DETAIL 4/A4.
- TPO WALK WAY PADS OR X-TREADS. REFER TO SPECIFICATIONS. CUT TPO WALK WAY PAD ROLLS TO MAXIMUM OF 9'-10". LEAVE A GAP OF 1" BETWEEN PIECES TO ALLOW FOR WATER DRAINAGE.
- THRU-WALL SCUPPER W/ METAL FLANGE BY ROOFING MANUFACTURER. HOLD TOP OF COLLECTOR BOX 1" BELOW ROOF DECK TO ALLOW FOR SECONDARY OVERFLOW DRAINAGE. SECONDARY ROOF DRAIN SYSTEMS SHALL HAVE THE END POINT OF DISCHARGE SEPARATE FROM THE PRIMARY SYSTEM. DISCHARGE SHALL BE ABOVE GRADE. VERIFY OPENING REQUIREMENTS WITH LOCAL CONDITIONS.





— ROOF MANUFACTURER TYP. VENT PIPE -APPROVED SEALANT - STAINLESS STEEL BAND MANUFACTURER APPROVED -STRIP SEALANT PREFABRICATED VENT STACK — FLASHING WHITE ULTRAPLY TPO MEMBRANE ----BY FIRESTONE (OR APPROVED ROOF SHEATHING —

VENT PENETRATION DETAIL

A4 SCALE: 2"=1'-0"

A4 SCALE: 2"=1'-0"

- WHITE ULTRAPLY TPO MEMBRANE BY FIRESTONE (OR APPROVED EQUAL)

— VAPOUR BARRIER BY ROOFING CONTRACTOR

DOUBLE-UP WOOD

STRUCTURAL

DRAWINGS.

TYPICAL ROOF CURB DETAIL

ROOF PLAN

A4 SCALE: 1/4"=1'-0"

METAL COLLAR —

%" PLYWOOD SCREWED ─ TO METAL COLLAR

2"x4" WOOD BLOCKING -

REFER TO STRUCTURAL

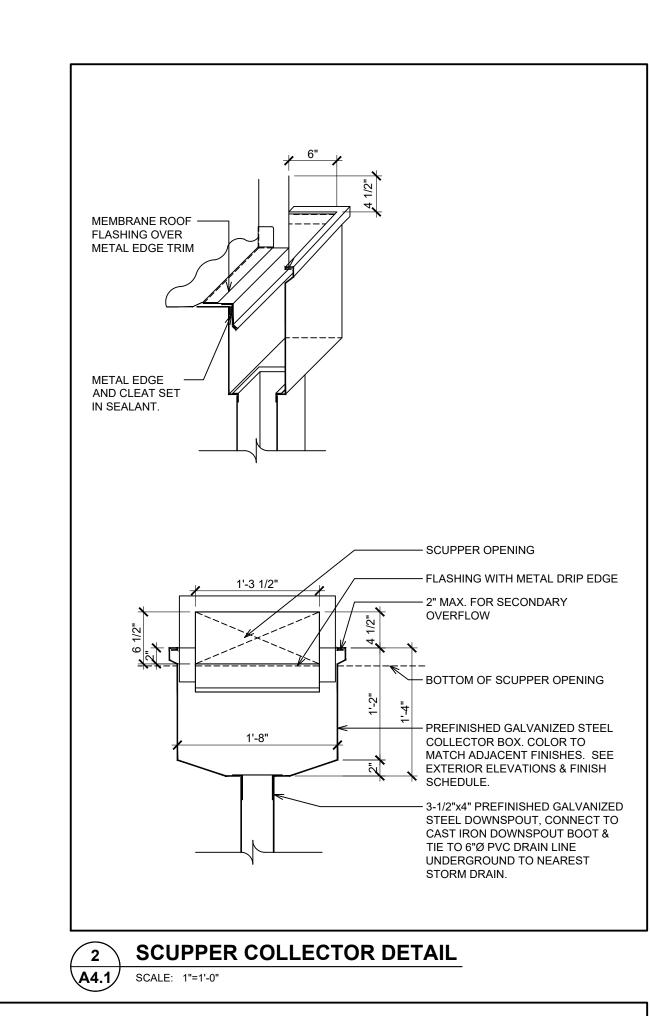
INFORMATION.

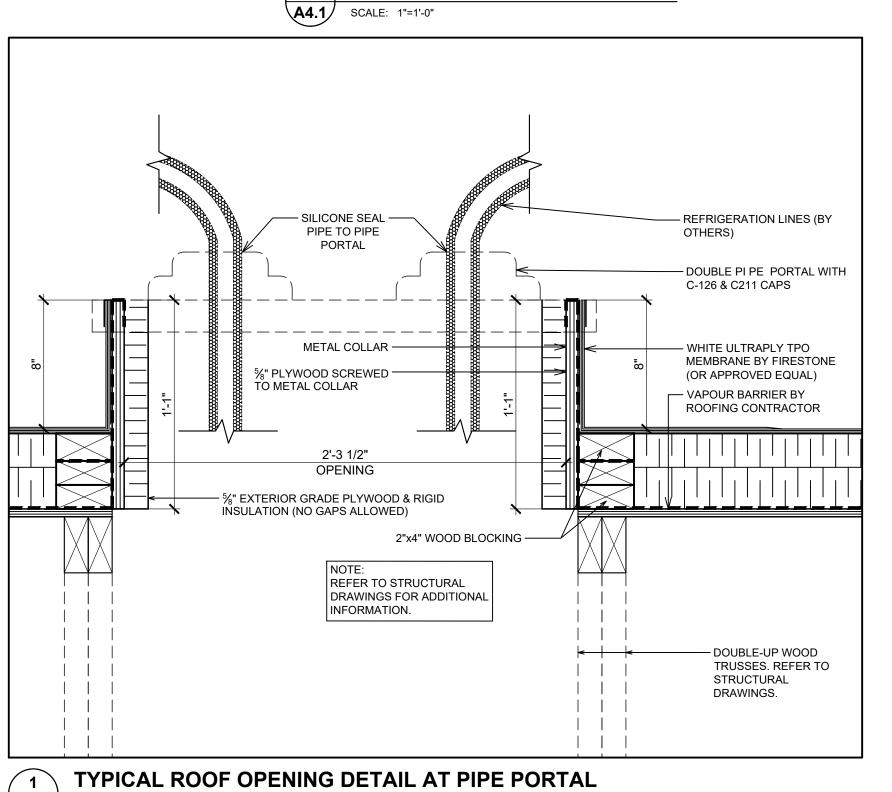
A4 SCALE: 2"=1'-0"

DRAWINGS FOR ADDITIONAL

TRUSSES. REFER TO

TYPICAL SLEEPER DETAIL





A4.1 SCALE: 2"=1'-0"

ISSUE TABLE Date Description REVISIONS Description 8/01/2023 RESPONSE TO CITY 2 9/04/2023 **HEALTH COMMENTS** 3 9/12/2023 RESPONSE TO CITY 4 9/12/2023 HEALTH COMMENTS DRAWINGS REVISED AS PER DESIGN BULLETIN Description PROJECT NORTH THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION". CAROLINIA 9.14.2023 Company Logo 10755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u> POPEYES.

2112-21

1/4"=1'-0"

C22-129

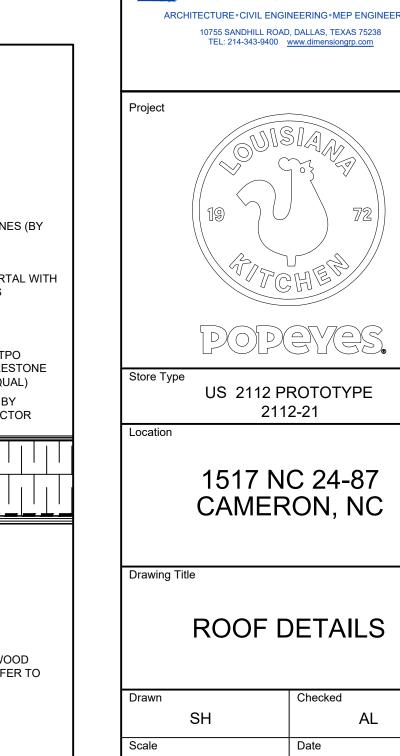
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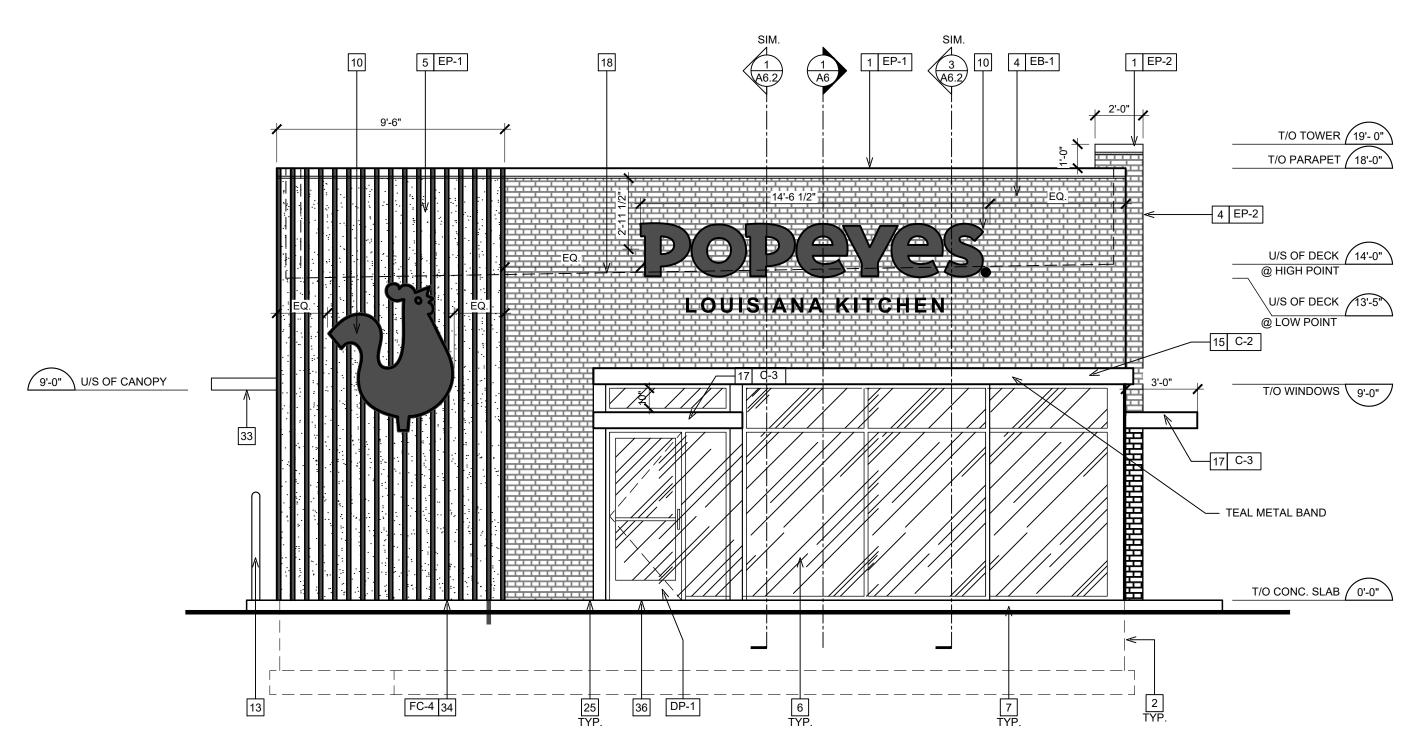
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JUNE 2023

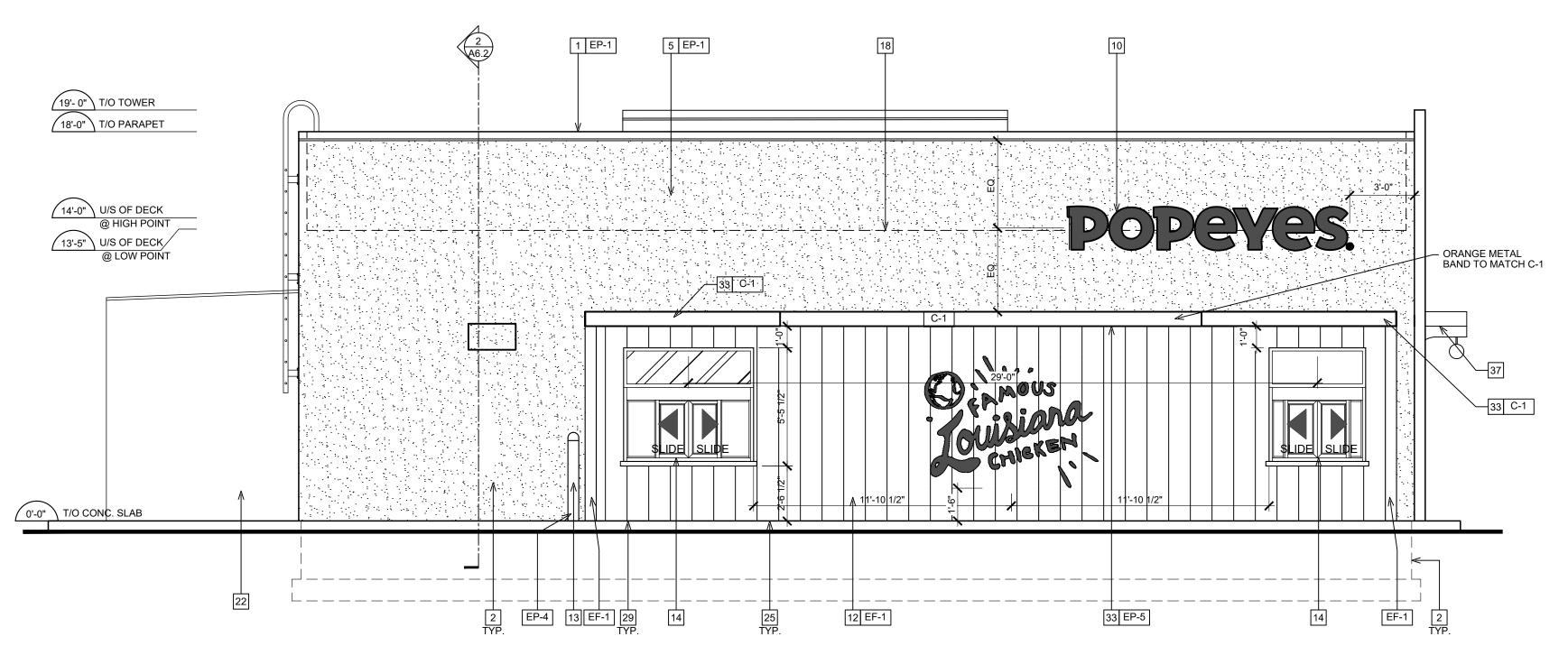
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Drawing No.

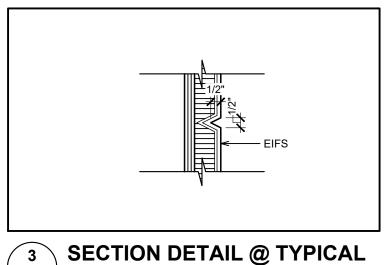




PROPOSED FRONT ELEVATION SCALE: 1/4"=1' - 0"

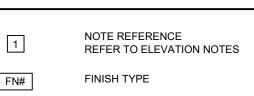






EIFS REVEAL

A5 SCALE: 2½"=1'-0"



EXTERIOR ELEVATION NOTES

1 PRE-FINISHED METAL CAP FLASHING C/W DRIP.

- 2 G.C TO PROVIDE AND INSTALL DOUBLE LAYER OF REINFORCING MESH TO MIN. 2'-2" ABOVE GRADE AT ALL EIFS LOCATIONS (TYP.) IN ORDER TO ATTAIN ABUSE RESISTANCE STUCCO SYSTEM.
- 5 EIFS. REFER TO POPEYES MASTER SCHEDULE.
- 6 PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
- 8 N/A.
- 10 INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $rac{3}{4}$ " EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G. SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
- 13 PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES

- PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF
- 17 CANTILEVERED BLACK CANOPY

- 21 GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
- 22 WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
- METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
- PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
- 25 ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
- 26 HOSE BIB. G.C. TO PAINT. COLOUR TO MATCH ADJACENT STUCCO COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
- 27 ½" X½" REVEAL LINE IN STUCCO FINISH. REFER TO DETAIL 3/A5.
- 28 DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
- G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB IS EXTENT OF FEATURE WALL.
- 30 MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.

- G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS

- 36 CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.

- WOOD GRAIN TOWER TO BE PURCHASED EITHER DIRECTLY (VIA B+N) OR PROVIDED BY SIGNAGE COMPANY
- ANY DEVIATIONS MUST BE SUBMITTED AS AN EXCEPTION REQUEST
- ALL PARAPETS SHALL BE PAINTED ACCORDING TO THE FACADE COLOR, IF FACADE COLOR IS WHITE, PARAPET SHALL BE WHITE. IF FACADE IS RED BRICK, PARAPET SHALL BE PAINTED BROWN
- ALL EXTERIOR GLASS DOORS TO BE ORANGE COLORY REFERENCE LATEST FINISH SCHEDULE IN THE DESIGN PORTAL IN A REGULAR BASIS
- ALL CANOPIES TO BE TEAL, EXCEPT AT DRIVE THRU WINDOW ALL EXTERIOR GLASS DOORS TO BE ORANGE COLOR

- 3 NICHIHA VINTAGEBRICK, COLOR: ALEXANDRIA BUFF. REFER TO POPEYES MASTER SCHEDULE.
- 4 NICHIHA VINTAGEBRICK, COLOR: WHITE WASH. REFER TO POPEYES MASTER SCHEDULE.

- 7 EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
- 9 REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
- NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL 🐉 EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING.. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
- 12 NICHIHA VINTAGE WOOD, COLOR: CEDAR. REFER TO POPEYES MASTER SCHEDULE.
- MASTER SCHEDULE.
- 14 DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
- 15 TEAL PRE FINISHED METAL BANDING
- DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
- 18 DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
- 19 C/T CABINET AND METER.
- 20 LINE OF PARAPET WALLS BEYOND.

- 31 REAR EXIT DOOR TO BE PAINT WHITE.
- 32 WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
- 33 PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY
- 34 VERTICAL SIMULATED WOOD SLATS. REFER TO POPEYES MASTER SCHEDULE
- 35 WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
- HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.

EXTERIOR ELEVATIONS GENERAL NOTES

PURCHASE OF WHITE/RED BRICK AND WOOD GRAIN SLATS TO BE PURCHASED VIA RESPECTIVE VENDOR (NICHIHA OR EQUAL)

ISSUE TABLE Date Description

REVISIONS

(LVIOIOIVO				
No.	Date	Description		
1	8/01/2023	RESPONSE TO CITY		
2	9/04/2023	HEALTH COMMENTS		
3	9/12/2023	RESPONSE TO CITY		
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DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



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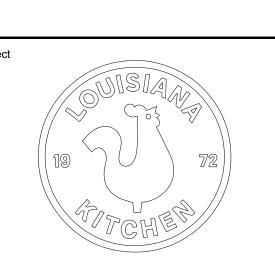


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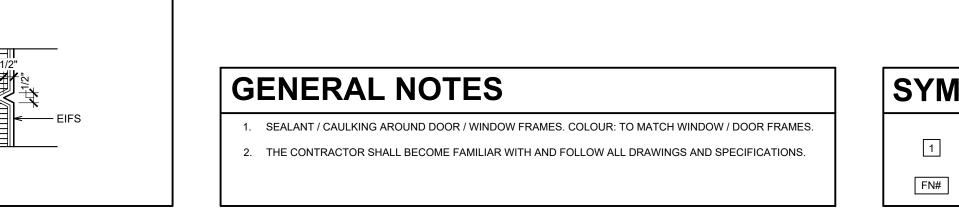


US 2112 PROTOTYPE

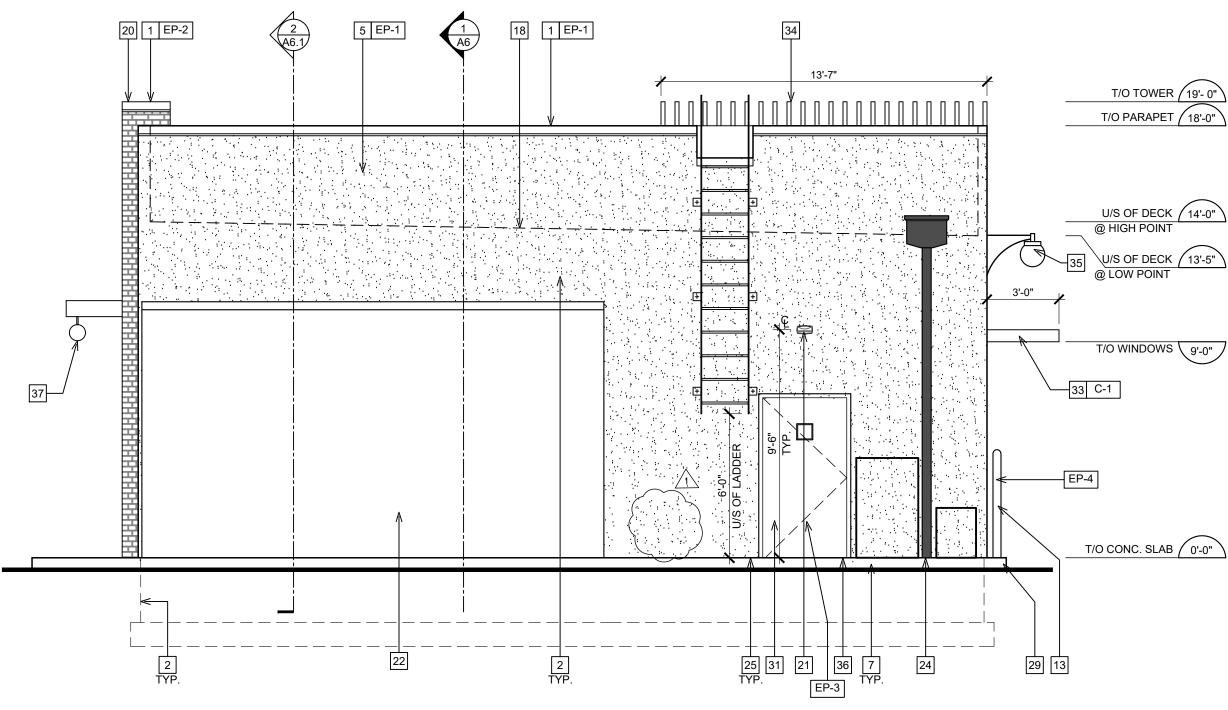
1517 NC 24-87 CAMERON, NC

EXTERIOR ELEVATIONS

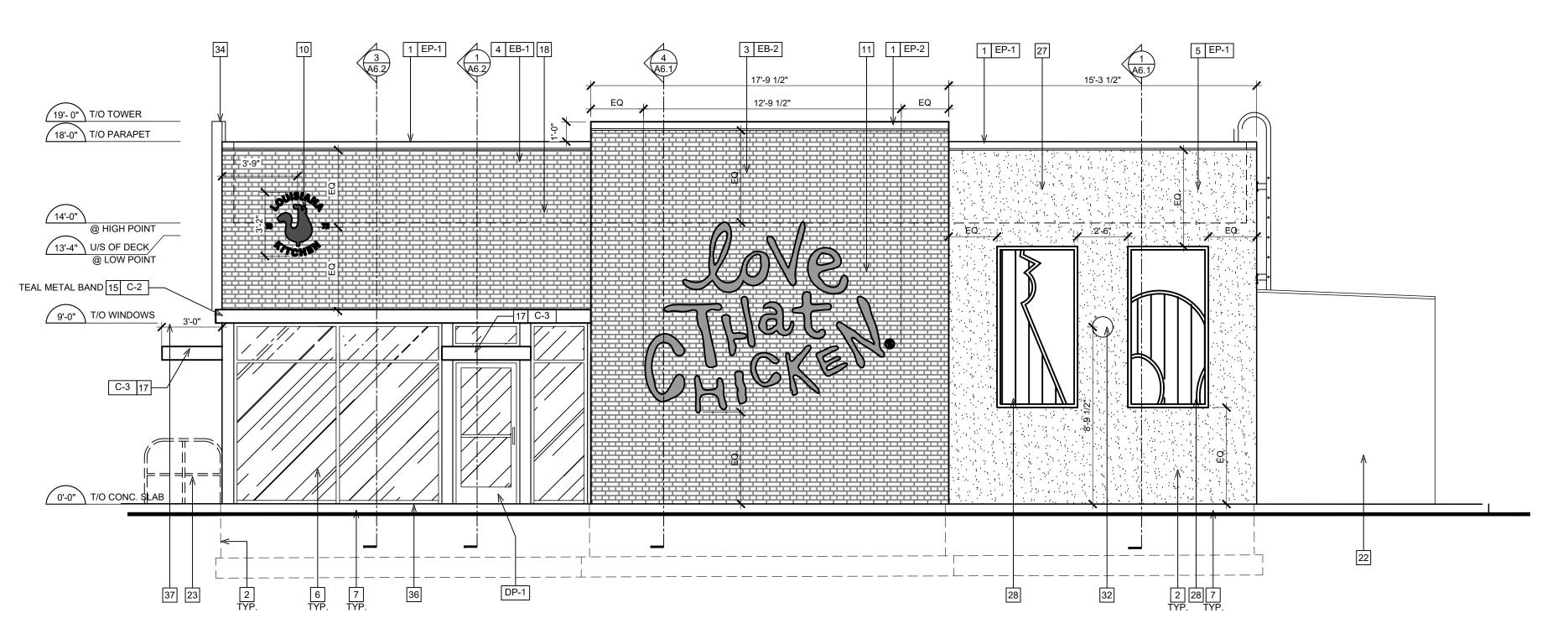
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Scale	Date
1/4"=1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	A5



SYMBOL LEGEND



PROPOSED REAR ELEVATION **A5** / SCALE: 1/4"=1' - 0"



PROPOSED SIDE ELEVATION

A5.1 SCALE: 1/4"=1' - 0"

GENERAL NOTES

- 1. SEALANT / CAULKING AROUND DOOR / WINDOW FRAMES. COLOUR: TO MATCH WINDOW / DOOR FRAMES.
- 2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DRAWINGS AND SPECIFICATIONS.

SYMBOL LEGEND NOTE REFERENCE REFER TO ELEVATION NOTES

FINISH TYPE

FN#

EXTERIOR ELEVATION NOTES

- 1 PRE-FINISHED METAL CAP FLASHING C/W DRIP.
- 2 G.C TO PROVIDE AND INSTALL DOUBLE LAYER OF REINFORCING MESH TO MIN. 2'-2" ABOVE GRADE AT ALL EIFS LOCATIONS (TYP.) II ORDER TO ATTAIN ABUSE RESISTANCE STUCCO SYSTEM.
- 3 NICHIHA VINTAGEBRICK, COLOR: ALEXANDRIA BUFF. REFER TO POPEYES MASTER SCHEDULE.
- 4 NICHIHA VINTAGEBRICK, COLOR: WHITE WASH. REFER TO POPEYES MASTER SCHEDULE.
- 5 EIFS. REFER TO POPEYES MASTER SCHEDULE.
- 6 PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
- EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
- REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
- 10 INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL 3" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
- NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $\frac{3}{4}$ " EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING.. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
- | 12 | NICHIHA VINTAGE WOOD, COLOR: CEDAR. REFER TO POPEYES MASTER SCHEDULE.
- 13 PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES MASTER SCHEDULE.
- 14 DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
- 15 TEAL PRE FINISHED METAL BANDING
- 16 PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
- 17 CANTILEVERED BLACK CANOPY
- 18 DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
- 19 C/T CABINET AND METER.
- 20 LINE OF PARAPET WALLS BEYOND.
- 21 GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
- 22 WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
- 23 METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
- PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
- 25 ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
- 26 HOSE BIB. G.C. TO PAINT. COLOUR TO MATCH ADJACENT STUCCO COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
- 27 % x % REVEAL LINE IN STUCCO FINISH. REFER TO DETAIL 3/A5.
- 28 DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
- G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB
- IS EXTENT OF FEATURE WALL.
- 30 MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.
- 31 REAR EXIT DOOR TO BE PAINT WHITE.
- 32 WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
- PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS.
- 34 VERTICAL SIMULATED WOOD SLATS. REFER TO POPEYES MASTER SCHEDULE.
- 35 WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
- 36 CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.
- 37 HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.

EXTERIOR GENERAL NOTES

- PURCHASE OF WHITE/RED BRICK AND WOOD GRAIN SLATS TO BE PURCHASED VIA RESPECTIVE VENDOR (NICHIHA OR EQUAL)
- WOOD GRAIN TOWER TO BE PURCHASED EITHER DIRECTLY (VIA B+N) OR PROVIDED BY SIGNAGE COMPANY ANY DEVIATIONS MUST BE SUBMITTED AS AN EXCEPTION REQUEST ALL PARAPETS SHALL BE PAINTED ACCORDING TO THE FACADE COLOR, IF FACADE COLOR IS WHITE, PARAPET SHALL BE
- WHITE. IF FACADE IS RED BRICK, PARAPET SHALL BE PAINTED BROWN
- PLEASE MAKE SURE TO REFERENCE LATEST FINISH SCHEDULE IN THE DESIGN PORTAL IN A REGULAR BASIS ALL CANOPIES TO BE TEAL, EXCEPT AT DRIVE THRU WINDOW
- ALL EXTERIOR GLASS DOORS TO BE ORANGE COLOR

ISSUE TABLE		
No.	Date (mm/dd/yy)	Description

REVISIONS				
No.	Date	Description		
1	8/01/2023	RESPONSE TO CITY		
2	9/04/2023	HEALTH COMMENTS		
3	9/12/2023	RESPONSE TO CITY		
4	9/12/2023	HEALTH COMMENTS		

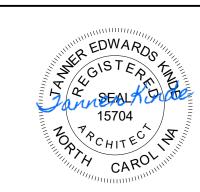
DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



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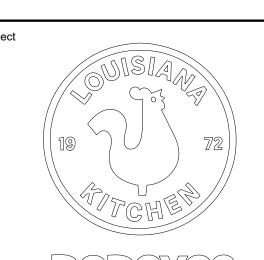


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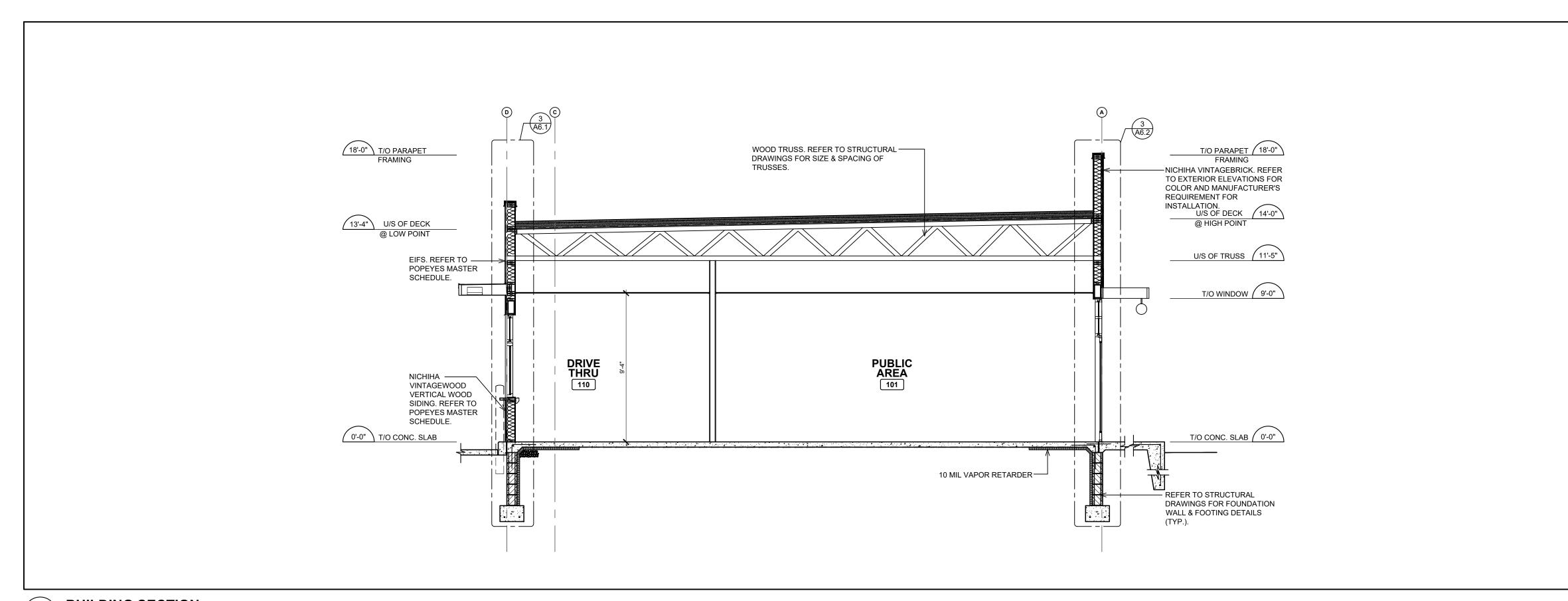
US 2112 PROTOTYPE

1517 NC 24-87 CAMERON, NC

2112-21

EXTERIOR ELEVATIONS

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Scale	Date
1/4"=1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	A5.1



NOTE:

CONTINUE GYPSUM BOARD TO U/S OF DECK & BETWEEN TRUSSES AT EXTERIOR WALLS (TYP.).

ISSUE TABLE								
No.	Date (mm/dd/yy)	Description						
REVIS	IONS							
No.	Date	Description						
1	8/01/2023	RESPONSE TO CITY						
2	9/04/2023	HEALTH COMMENTS						
3	9/12/2023	RESPONSE TO CITY						

DRAWINGS REVISED AS PER DESIGN BULLETIN										
No.	Date	Description								

4 9/12/2023

HEALTH COMMENTS



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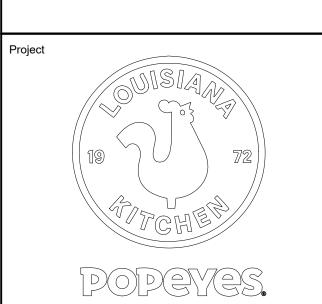
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US 2112 PROTOTYPE 2112-21

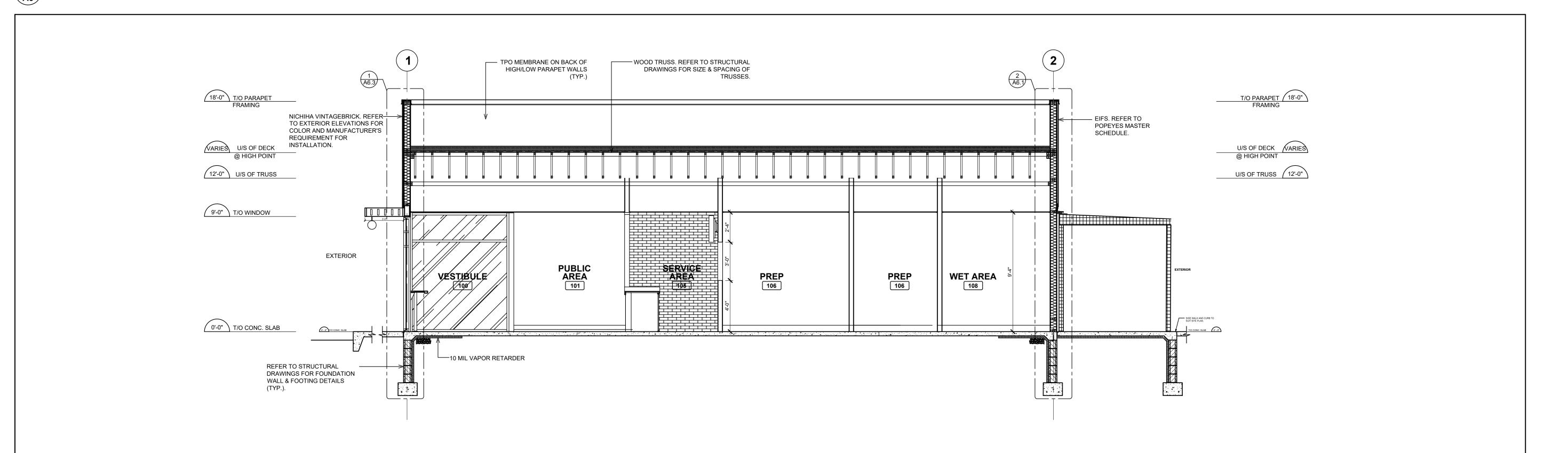
Location

1517 NC 24-87 CAMERON, NC

BUILDING SECTIONS

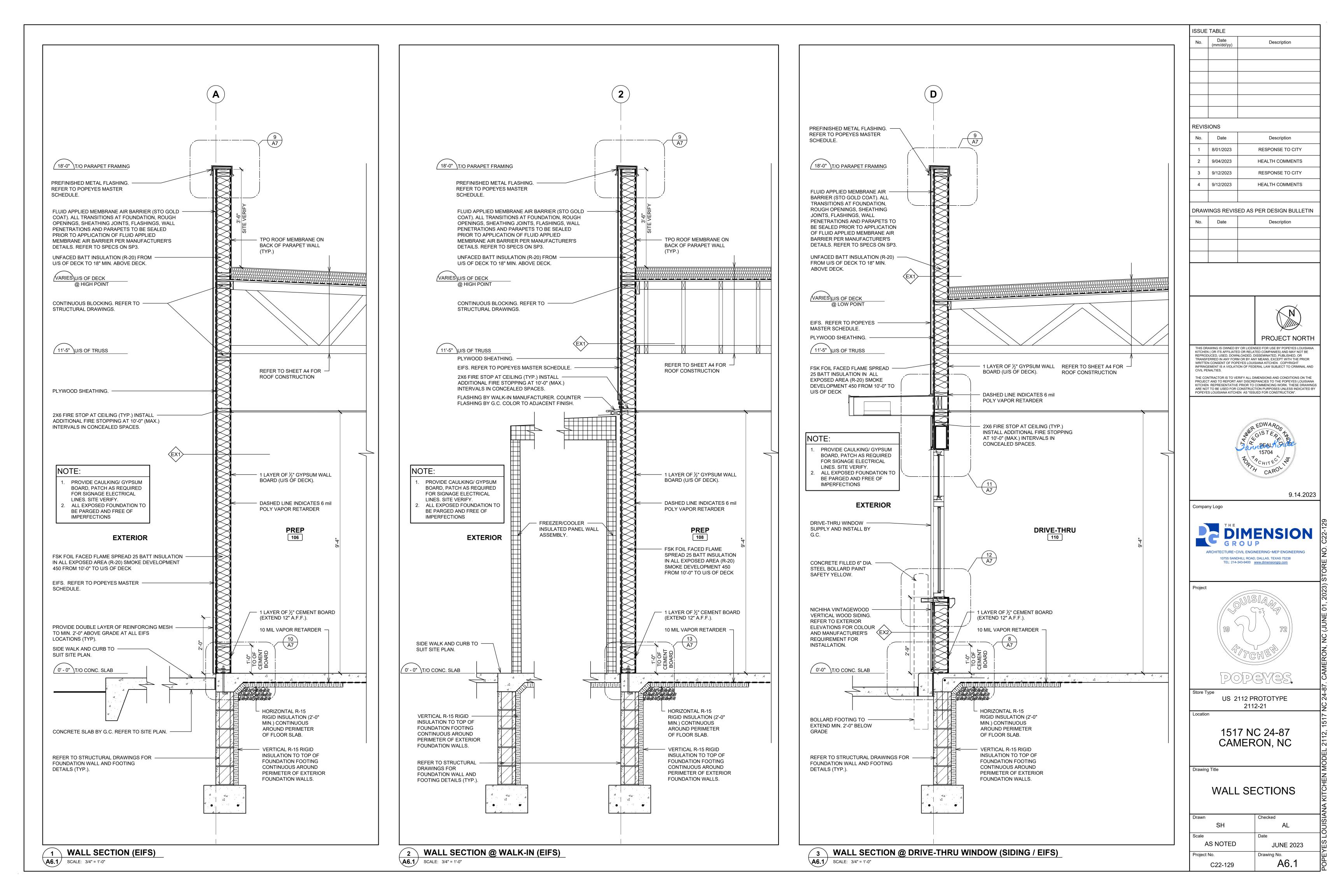
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C22-129	A6	POP

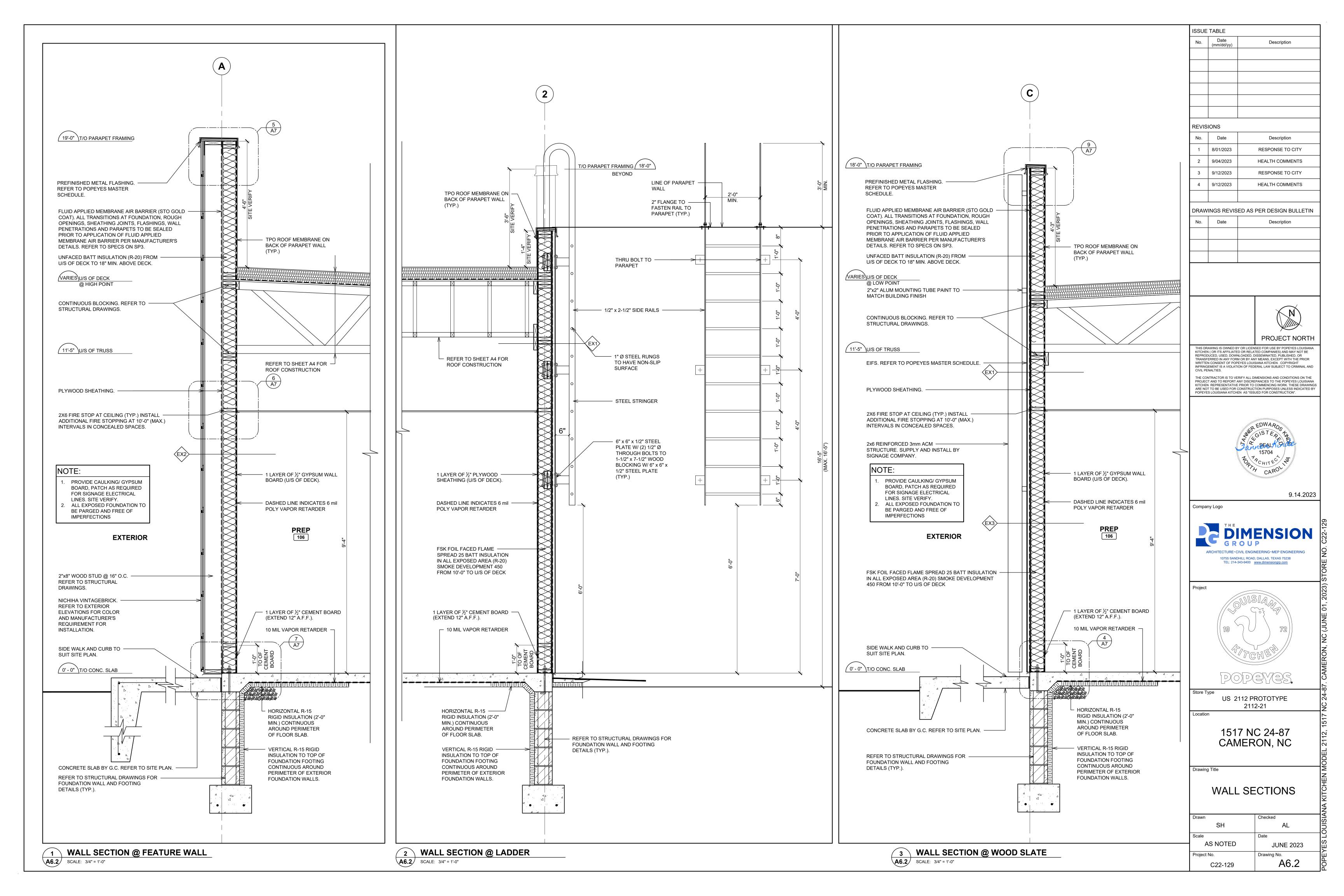
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A6 SCALE: 1/4" = 1'-0"

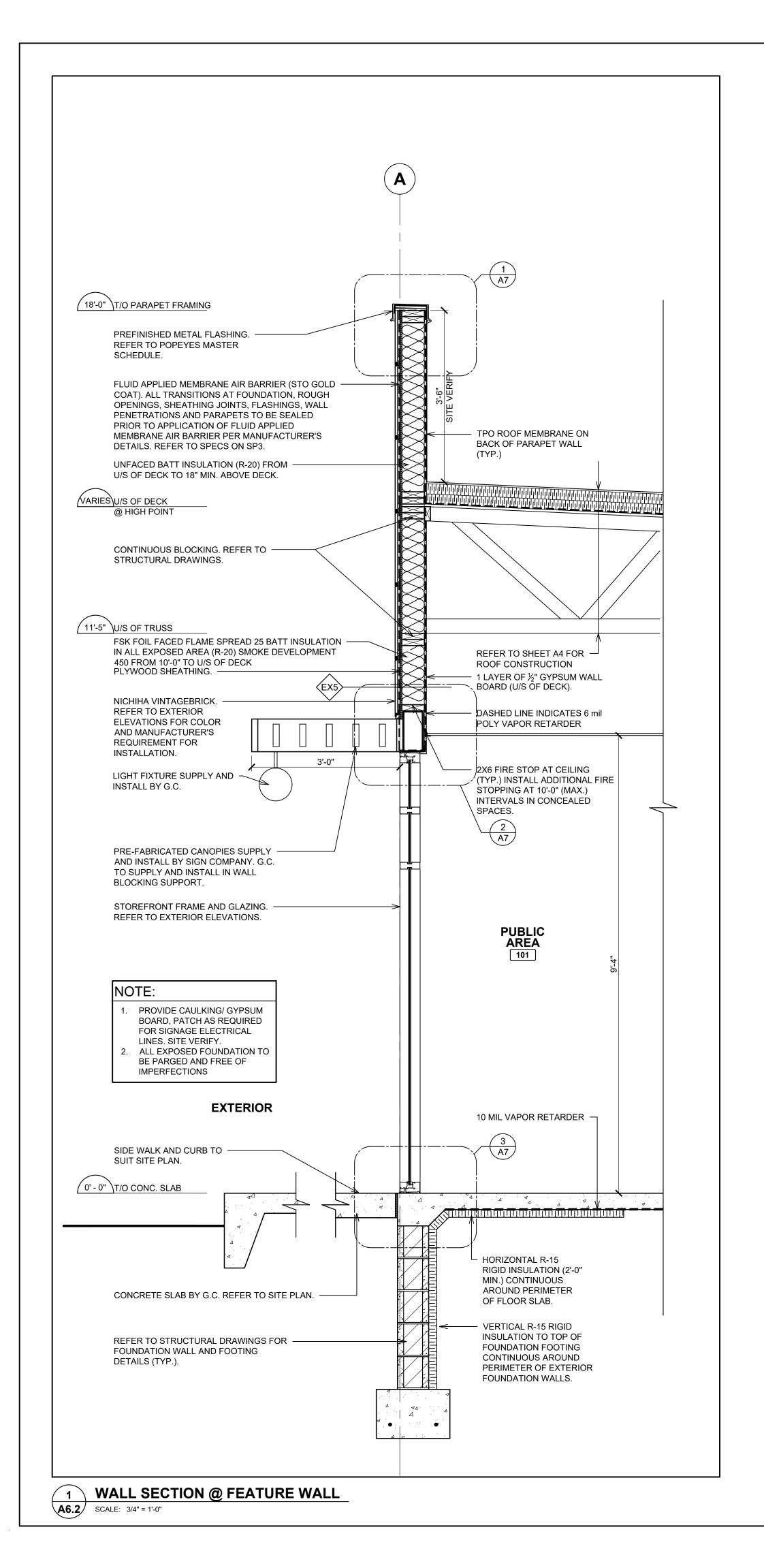


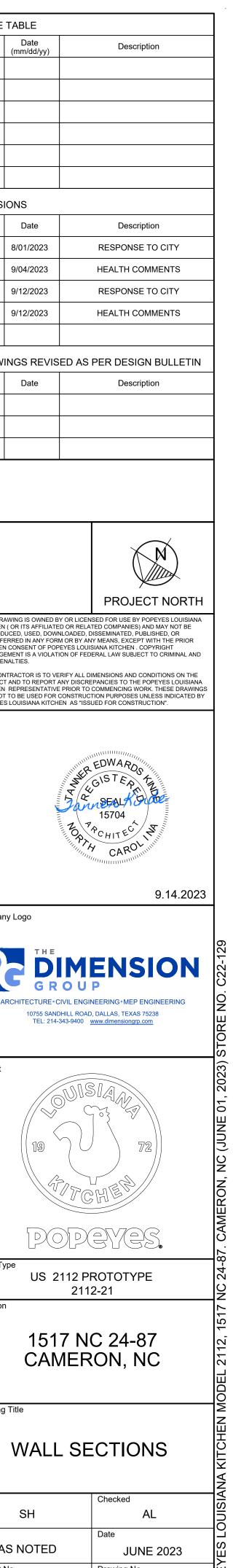
BUILDING SECTION

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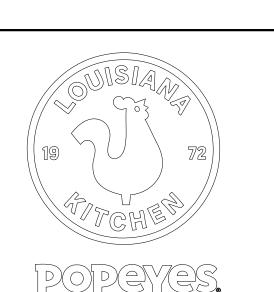






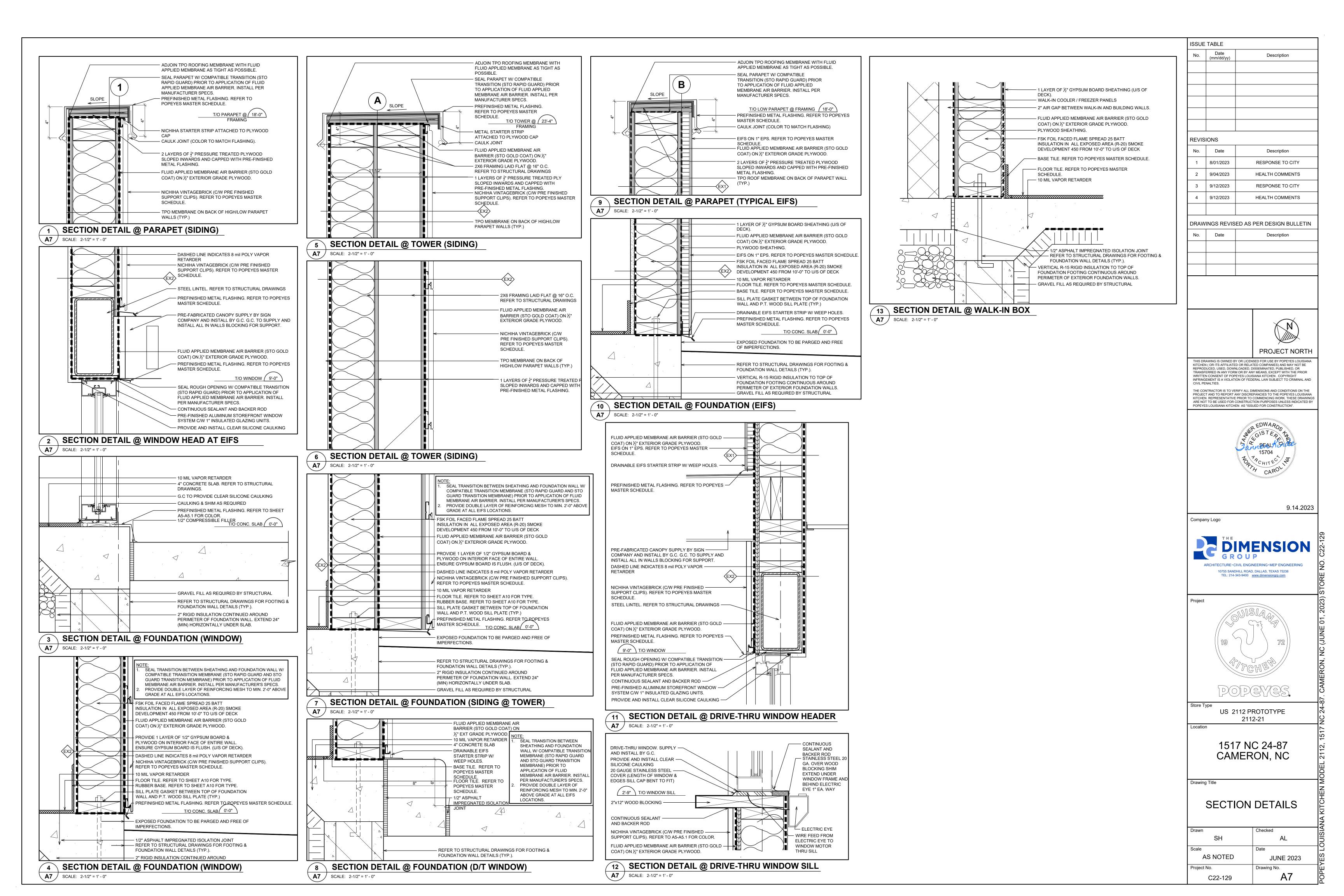


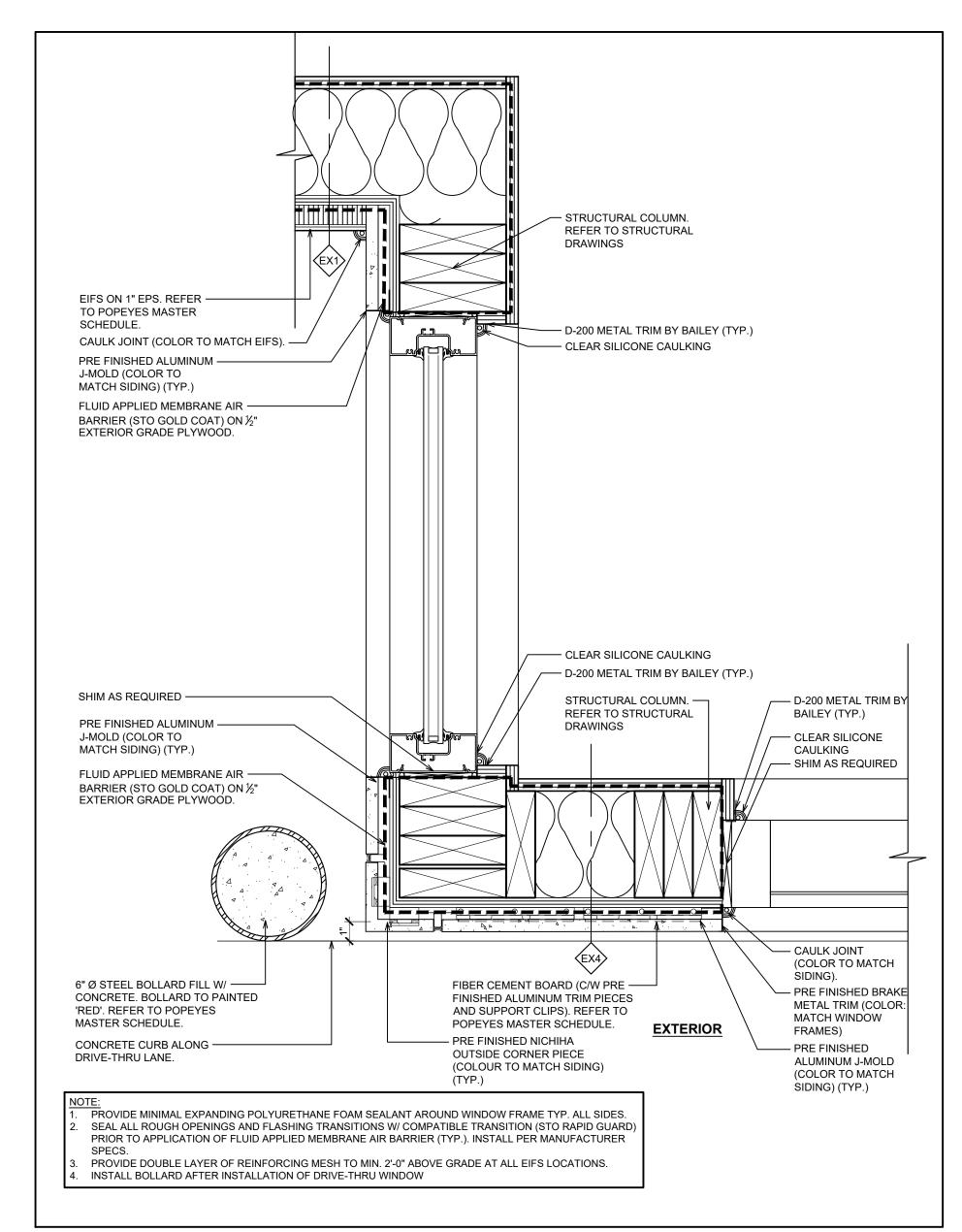
ISSUE TABLE REVISIONS 8/01/2023 9/04/2023 3 9/12/2023 4 9/12/2023 DRAWINGS REVISED AS PER DESIGN BULLETIN Date THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION". Company Logo



Drawing Title

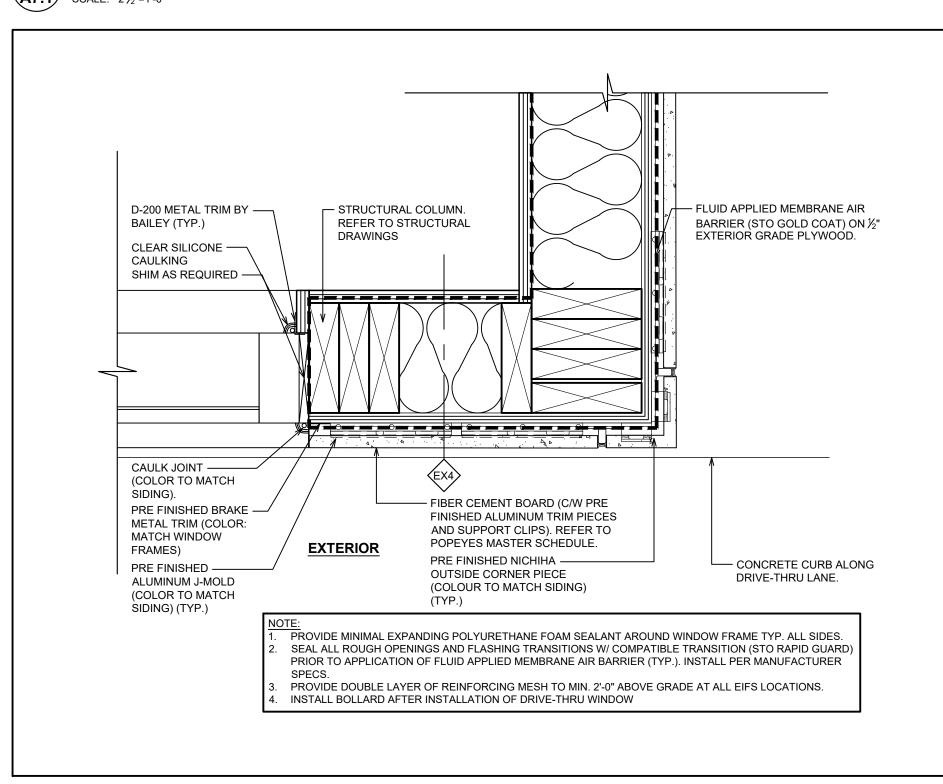
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Project No.	Drawing No.	یَا
C22-129	A6.3	

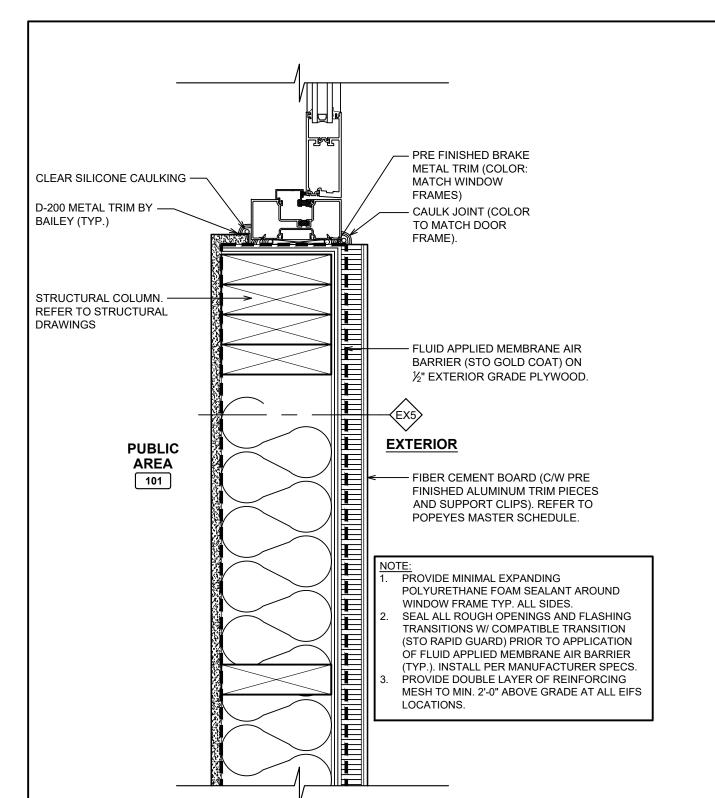




PLAN DETAIL @ DRIVE-THRU WINDOW

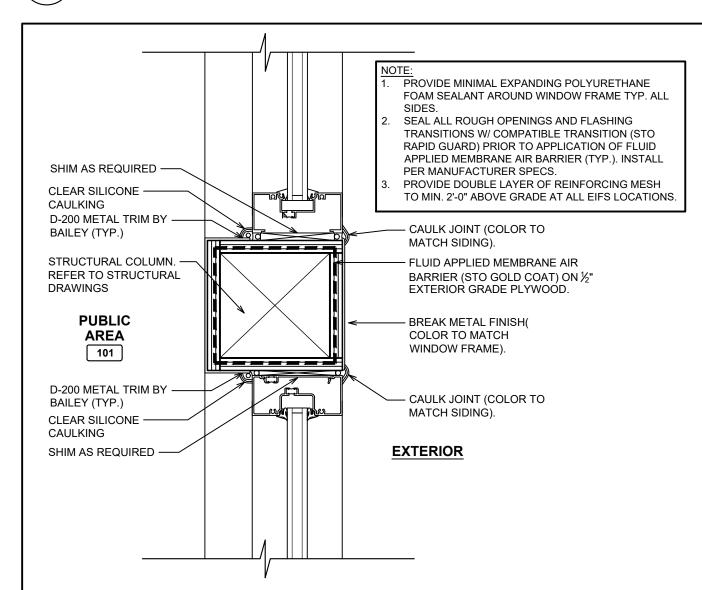
A7.1 SCALE: 21/2"=1'-0"





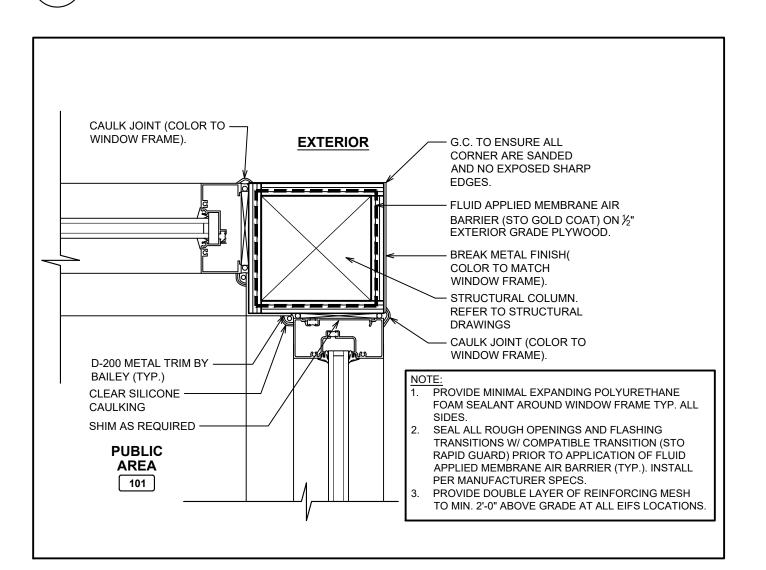
3 PLAN DETAIL @ DOOR

A7.1 SCALE: 2½"=1'-0"

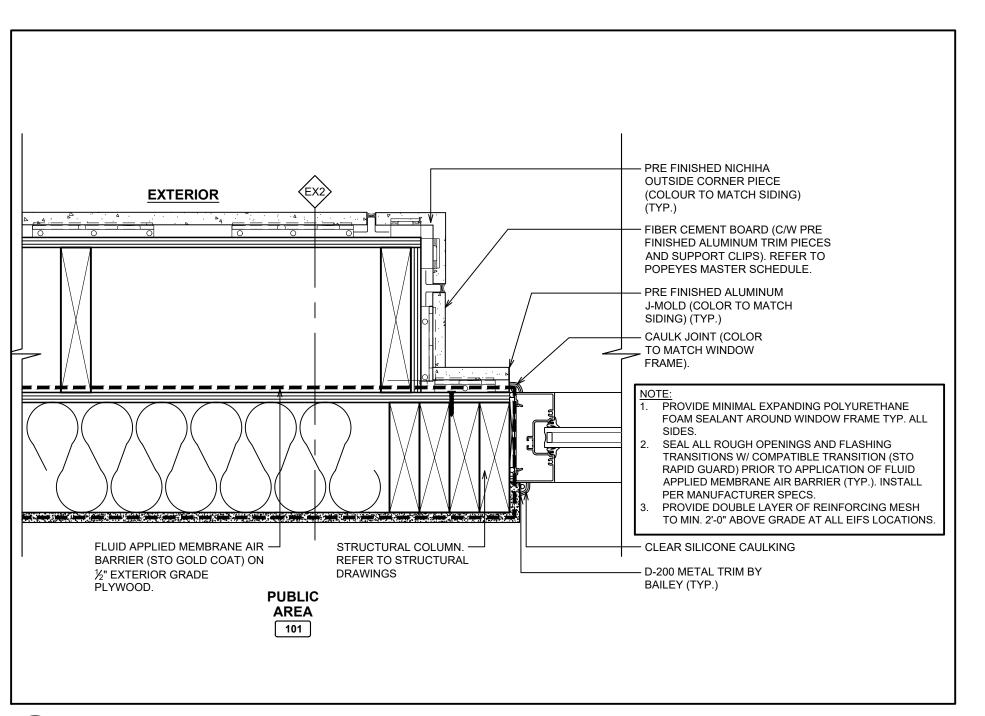


4 PLAN DETAIL @ WINDOW FRAME

A7.1 SCALE: 2½"=1'-0"

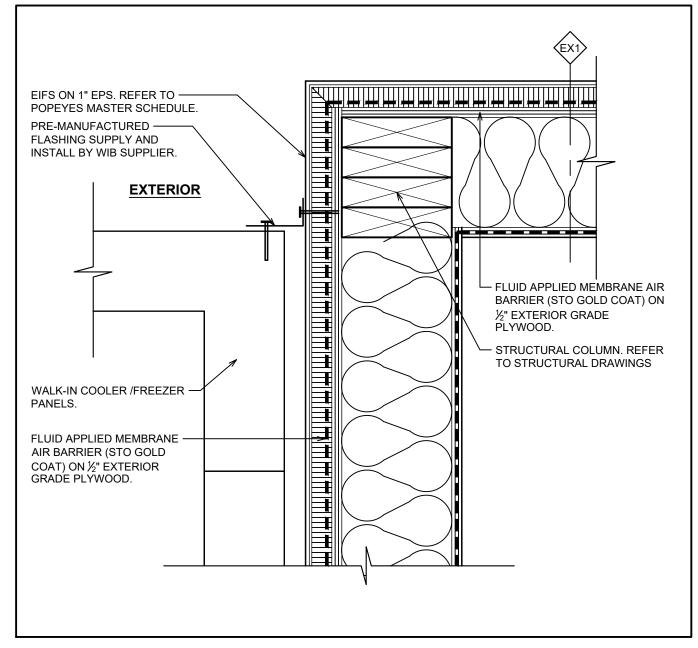


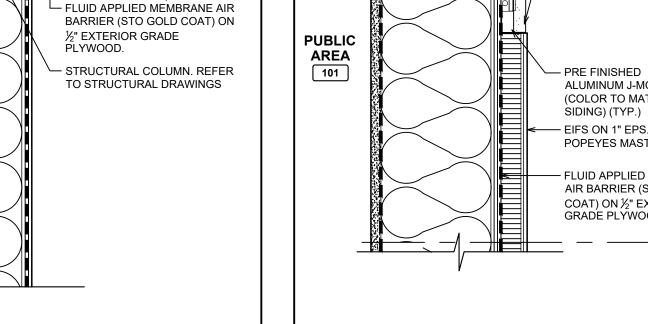
5 PLAN DETAIL @ CORNER A7.1 SCALE: 2½"=1'-0"



6 PLAN DETAIL @ TOWER

A7.1 SCALE: 2½"=1'-0"





- 2"x6" WOOD STUD FRAMING @ 16"

8 PLAN DETAIL @ WALK-IN BOX

EIFS ON 1" EPS. REFER TO -

FLUID APPLIED MEMBRANE

AIR BARRIER (STO GOLD

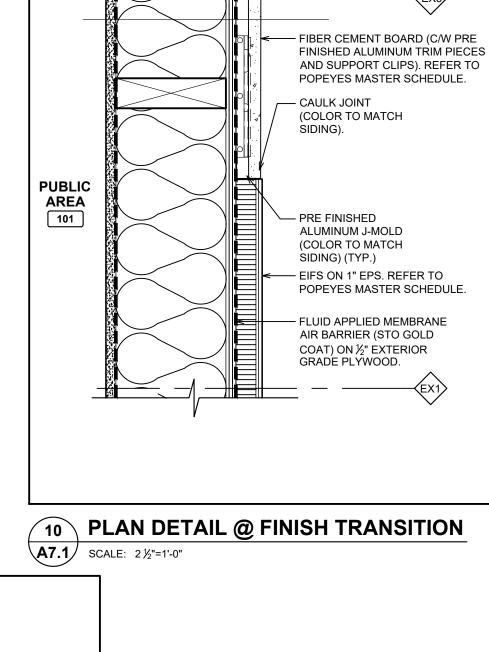
COAT) ON ½" EXTERIOR

GRADE PLYWOOD.

POPEYES MASTER SCHEDULE.

STRUCTURAL COLUMN. REFER

TO STRUCTURAL DRAWINGS



ISSUE TABLE Date Description REVISIONS Description 8/01/2023 RESPONSE TO CITY 9/04/2023 HEALTH COMMENTS 9/12/2023 RESPONSE TO CITY 4 9/12/2023 HEALTH COMMENTS

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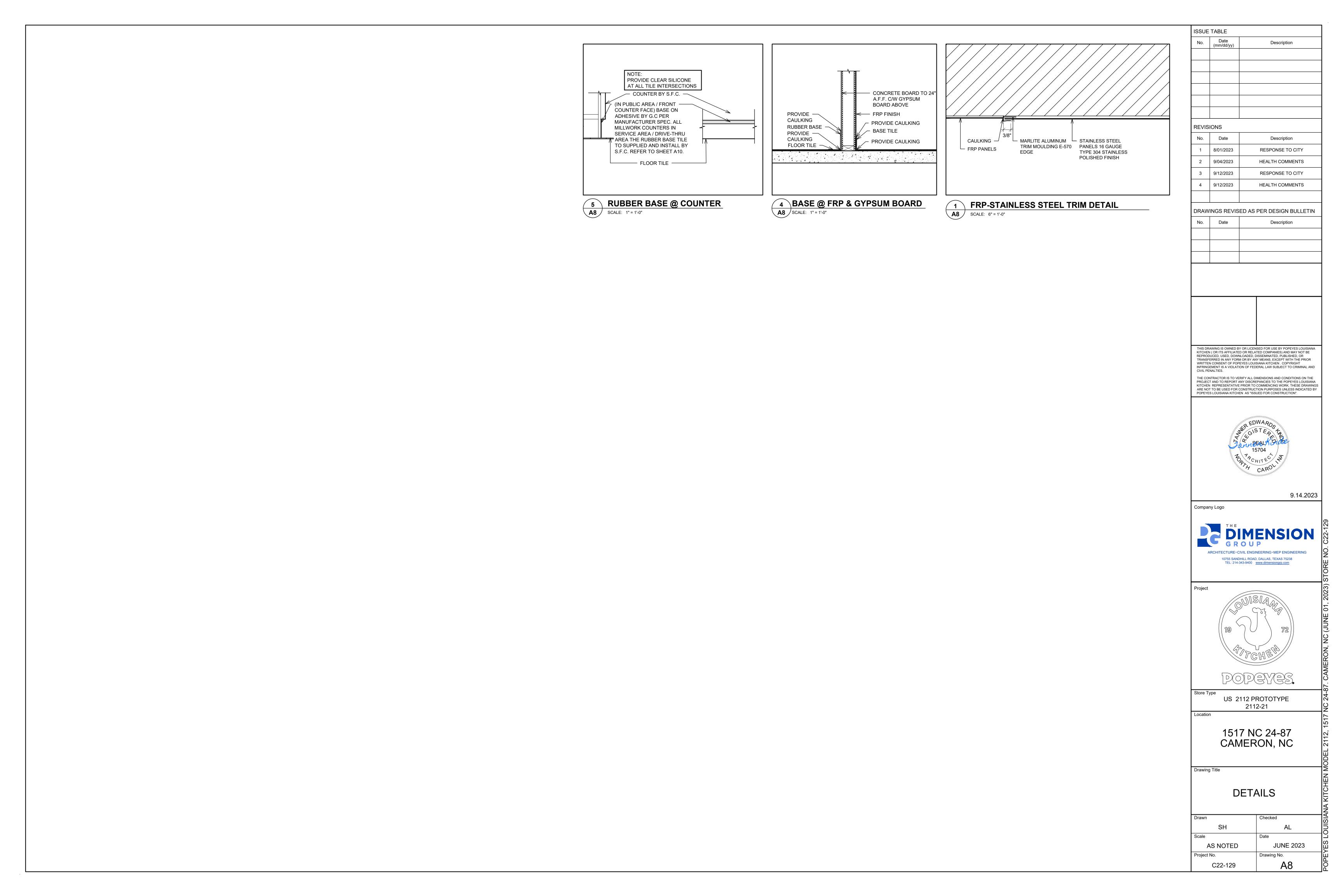
1517 NC 24-87 CAMERON, NC

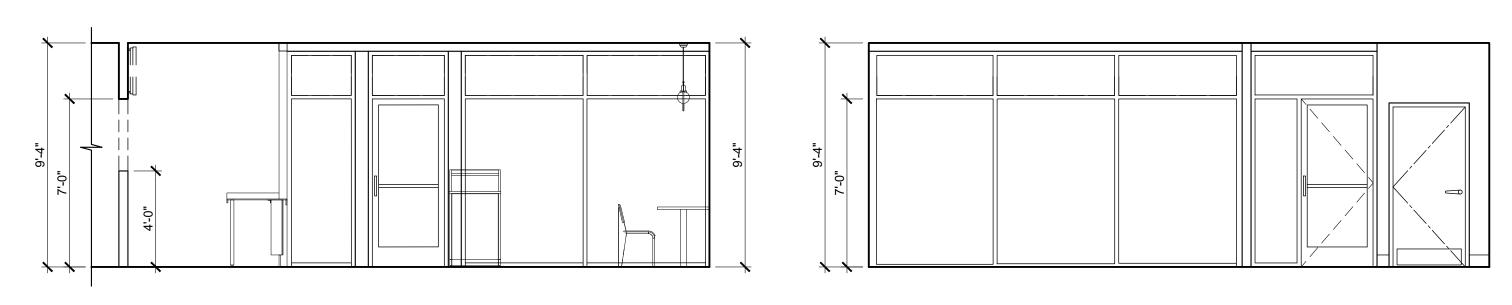
PLAN DETAILS

SH AL AS NOTED **JUNE 2023** Project No. A7.1 C22-129

9 PLAN DETAIL @ CORNER
A7.1 SCALE: 2½"=1'-0"

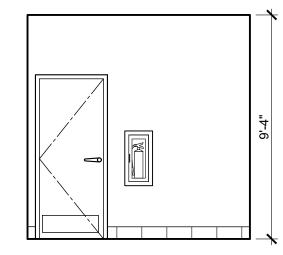
PLAN DETAIL @ DRIVE-THRU BUMP OUT **A7.1** SCALE: 2½"=1'-0"

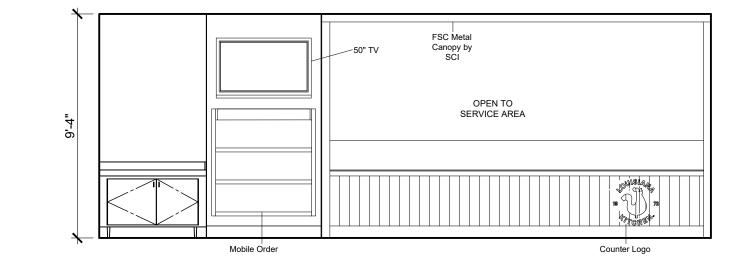






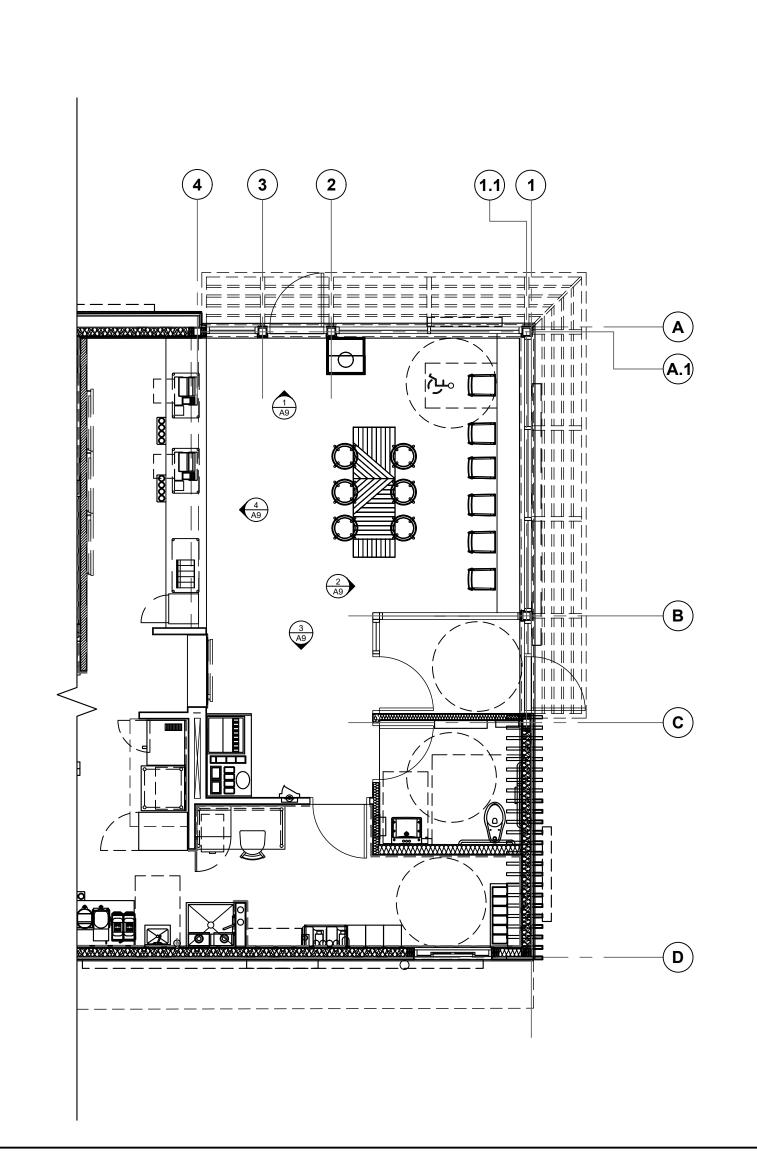


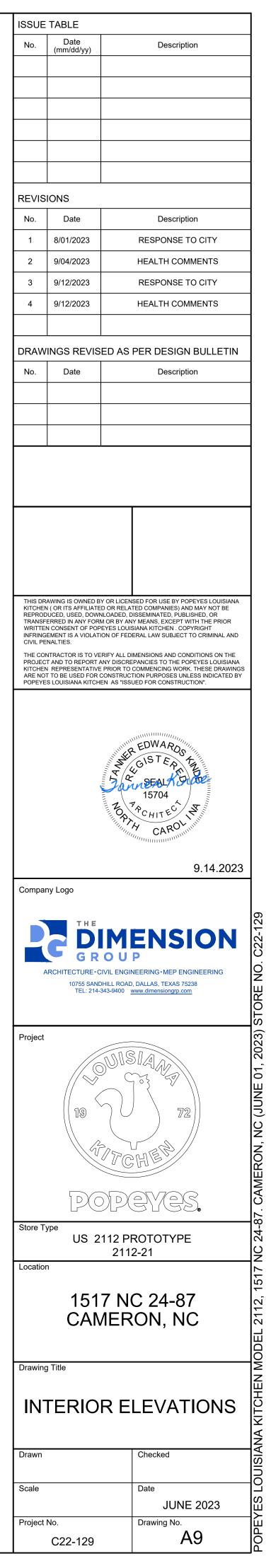


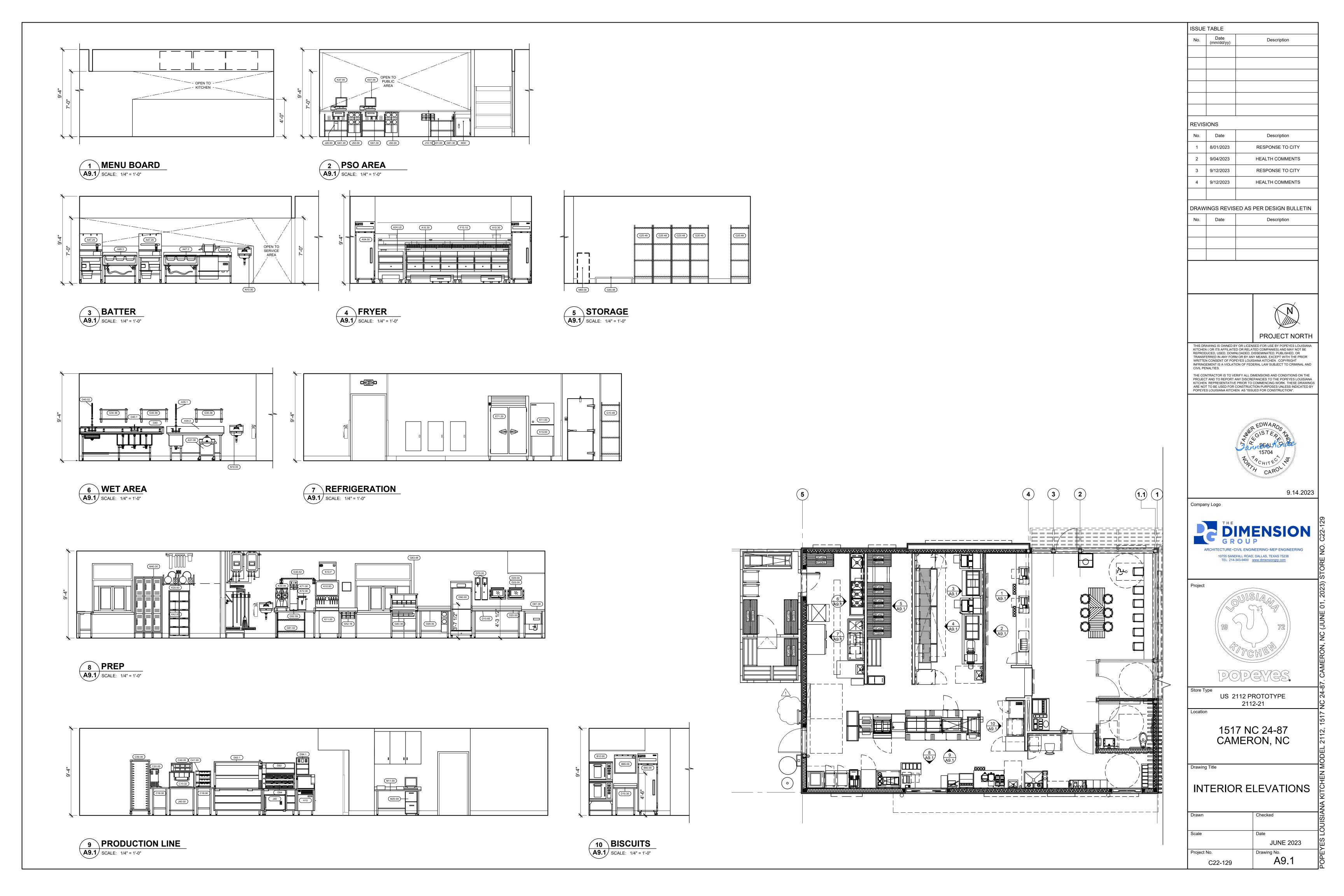


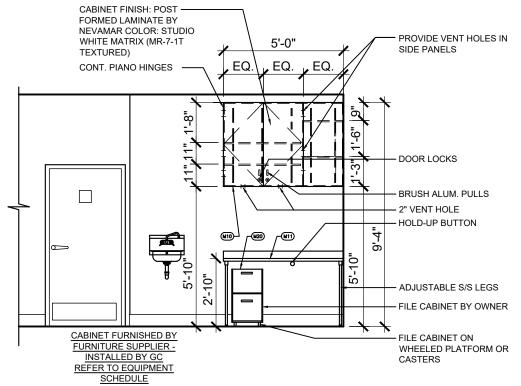




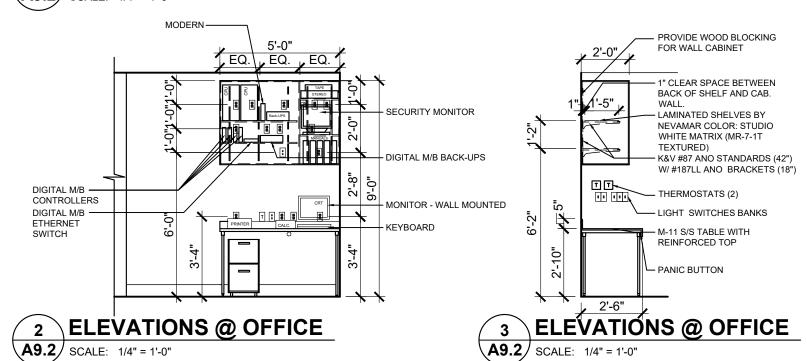


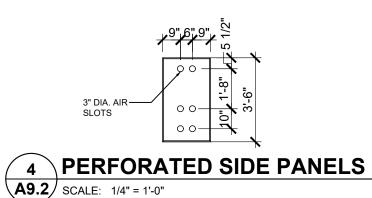


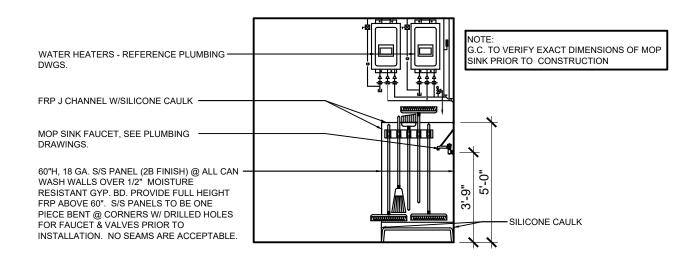




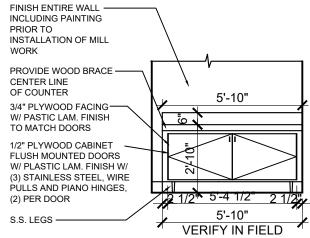
1 ELEVATIONS @ OFFICE, CABINET A9.2 SCALE: 1/4" = 1'-0"



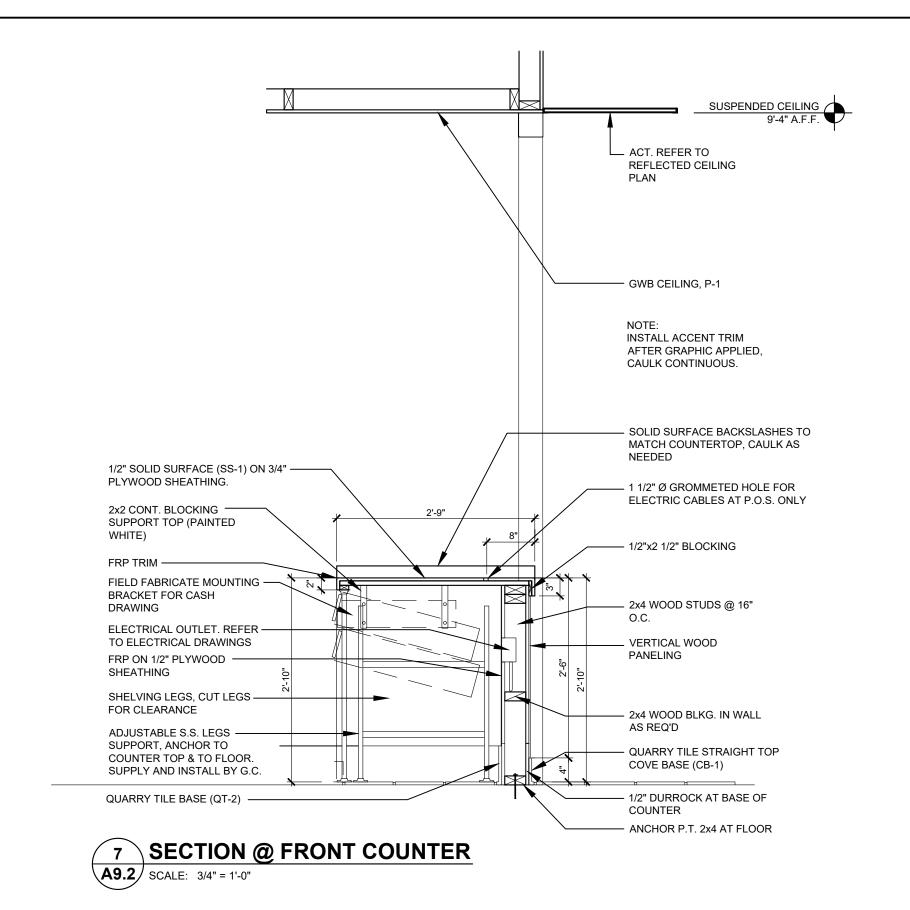


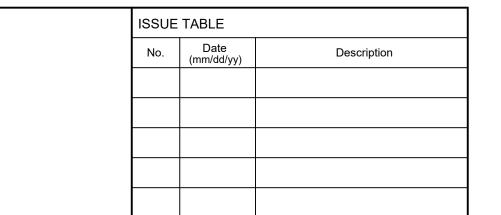


5 SECTION @ MOP SINK A9.2 SCALE: 1/4" = 1'-0"



6 SELF-SERVE COUNTER ELEVATIONS A9.2 SCALE: 1/4" = 1'-0"





REVIS	IONS	
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY
4	9/12/2023	HEALTH COMMENTS

DRAWINGS REVISED AS PER DESIGN BULLETIN											
No.	Date	Description									



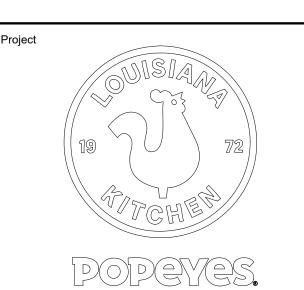
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Type
US 2112 PROTOTYPE

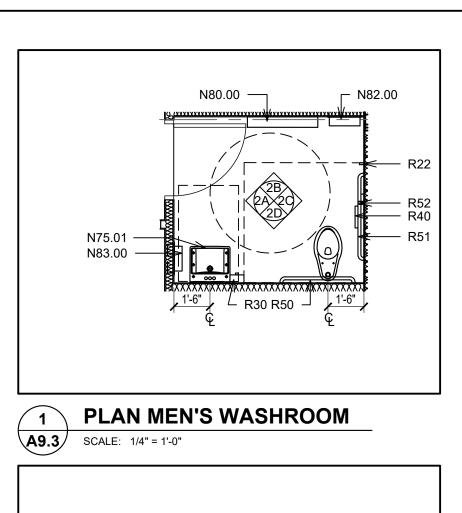
2112-21

1517 NC 24-87 CAMERON, NC

Drawing Title

INTERIOR ELEVATIONS

Drawn	Checked
Scale	Date
	JUNE 2023
Project No.	Drawing No.
C22-129	A9.2



PLAN WOMEN'S WASHROOM

A9.3

5

A9.3

6 A9.3

N/A.

12 DETAIL @ GRAB BARS

A9.3 SCALE: 1/2" = 1'-0"

SCALE: 1/4" = 1'-0"

4 10 3 2 —(P4 P4 TL-6 TL-6 TL-6 TL-5 TL-5 TL-5 2B ELEVATION 2C ELEVATION **2D** ELEVATION



INTERIOR ELEVATION NOTES

- MIRROR IN PUBLIC WASHROOMS TO BE 1'-6" x 3'-0". MIRROR TO BE CENTERED ABOVE VANITIES & SURFACE MOUNTED ON WALL FINISH. SEE DRAWING A2 FOR SPECIFICATION BOTTOM AND ONE OF THE VERTICAL SIDE FRAMES TO BE PRE-DRILLED & SCREWED TO WALL. REMAINDER OF FRAMES AND MIRROR TO BE ADHERED W/ APPROVED MIRROR ADHESIVE OR SILICONE. REFER TO
- 2 WALL TILE FINISH TL-5 AND TL-6 REFER TO FINISH SCHEDULE ON SHEET A10 FOR TYPE. GC TO BE SUPPLIED AND INSTALLED.
- 3 WALL TILE TL-2 REFER TO FINISH SCHEDULE ON SHEET A10 FOR TYPE.
- PROVIDE PLYWOOD BACKING IN BETWEEN STUDS TO ACCOMMODATE GRAB BARS. PROVIDE ADEQUATE SIZE. REFER TO DETAIL 12/A9.3.
- 6 PROVIDE ADEQUATE PLYWOOD BACKING IN BETWEEN STUDS AT BABY CHANGE TABLE. REFER TO DETAIL 10/A9.3.
- 7 PROVIDE OPENING IN WALL TO ACCOMMODATE SEMI-RECESSED GARBAGE. REFER TO DETAIL 9/A9.3.
- 8 DOORS & FRAMES. REFER TO FINISH SCHEDULES ON SHEET A10 FOR FINISHES & A11 FOR TYPE.
- 9 VANITY REFER TO DETAIL 13/A9.3.
- PAINT FINISH REFER TO TYPICAL WASHROOM ELEVATION ON SHEET A10 FOR TYPE
- 11 LAVATORY CARRIER SEE PLUMBING SCHEDULE
- PROVIDE & INSTALL SCHLUTER STRIP AT TILED CORNERS (INSIDE/ OUTSIDE). REFER TO SHEET A10 FOR SPECS.
- G.C TO PROVIDE AND INSTALL KICK PLATE. REFER TO HARDWARE SCHEDULE ON SHEET A11.

SYMBOL LEGEND

NOTE REFERENCE REFER TO ELEVATION NOTES

WASHROOM ACCESSORIES

-TOILET PAPER HOLDER (R40), BOBRICK B-2890

- -GRAB BAR (R50), GAMCO 150-S x36" -GRAB BAR (R51), GAMCO 150-S x42" -GRAB BAR (R52), GAMCO 150-S x18"
- -MIRROR (R20), CHANNEL FRAME 18"x36" GAMCO C-18x36
- -SEMI-RECESSED GARBAGE BIN (N82) BOBRICK B-3961
- -ELECTRIC HAND DRYER (N83) BRUSHED STAINLESS STEEL -XLERATOR XL-SB
- -SOAP DISPENSER (R30), SURFACE MOUNT BOBRICK B-4112

-BABY CHANGE TABLE (N80), SURFACE MOUNT - KOALA KARE

- -VANITY
- -WATER CLOSET
- -COAT HOOK (R22), HEAVY-DUTY COAK HOOK BOBRICK B-4112
- -SANITARY NAPKIN DISPENSER (R60), SURFACE MOUNT BOBRICK

NOTES

- REFER TO TYPICAL ACCESSORIES DETAILS FOR MOUNTING HEIGHTS AND OTHER SPECIFIC DIMENSIONS.
- REFER TO TILE PLAN AND FINISHES SCHEDULE ON SHEET A10 FOR
- G.C SHALL PROVIDE ADDITIONAL SOLID WOOD BLOCKING IN WALL AS NEEDED FOR PROPER INSTALLATION AND STRUCTURAL SUPPORT OF ACCESSORY ITEMS.
- VERIFY ALL PAPER & SOAP PRODUCTS WITH VENDOR.

14 MIRROR AND SOAP DISPENSER DETAIL

1. DIMENSIONS SHOWN ARE FROM FINISH FACE OF

OR LOCAL ACCESSIBILITY REQUIREMENTS.

FIXTURES AND TILE INTERSECTIONS.

DIMENSION SHOWN ARE PREFERRED DIMENSIONS AND

COMPLY WITH THE REQUIREMENTS OF A.D.A.A.G AND A.N.S.I

-A117.1 G.C SHALL NOT DEVIATE FROM THESE STANDARDS

UNLESS NECESSARY TO COMPLY WITH ADDITIONAL STATE

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

G.C TO PROVIDE CLEAR CAULKING AT ALL WASHROOM

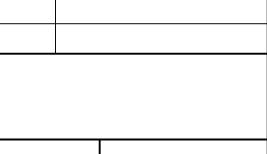
A9.3 SCALE: 1" = 1'-0"

WALL/FLOOR.

NOTES

THE G.C. SHALL VERIFY WITH THE OWNER THAT THE PAPER AND SOAP SUPPLIER IS AVAILABLE FOR ALL REPLENISHMENT PRIOR TO HEALTH INSPECTION

SOAP DISPENSER



DRAWINGS REVISED AS PER DESIGN BULLETIN

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

HEALTH COMMENTS

Description



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Date

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9/04/2023

9/12/2023

Date



10755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u>



US 2112 PROTOTYPE 2112-21

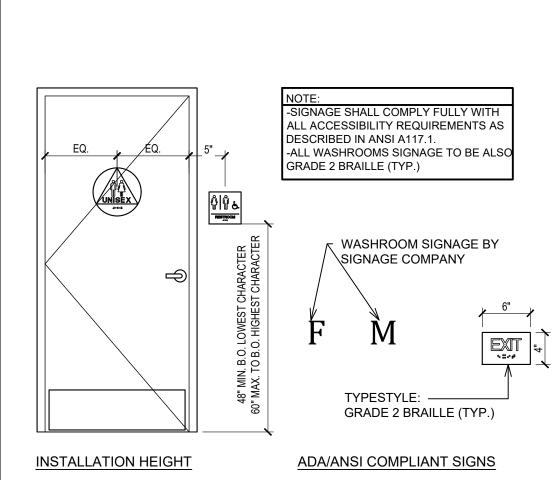
1517 NC 24-87 CAMERON, NC

WASHROOM **DETAILS**

Checked AL AS NOTED **JUNE 2023** A9.3 C22-129

ELEVATIONS WOMEN'S WASHROOM

A9.3 SCALE: 1/4" = 1'-0"

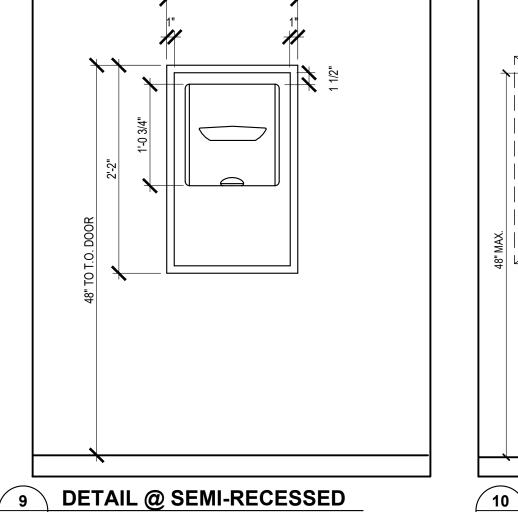


ACCESSIBILITY SIGNAGE.

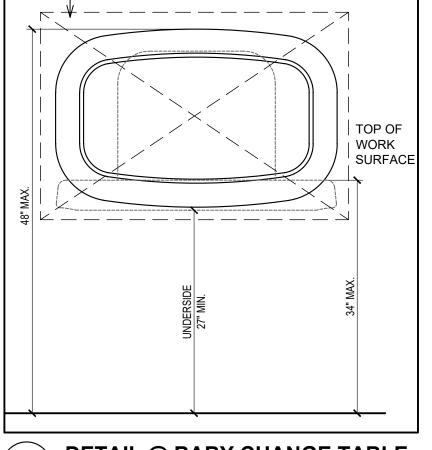
A9.3 SCALE: 1" = 1'-0"

13 DETAIL @ VANITY

A9.3 SCALE: 1" = 1'-0"



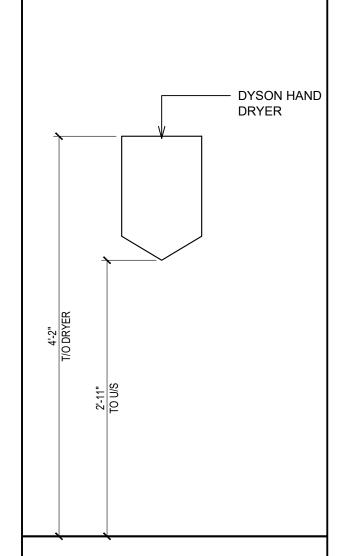
GARBAGE



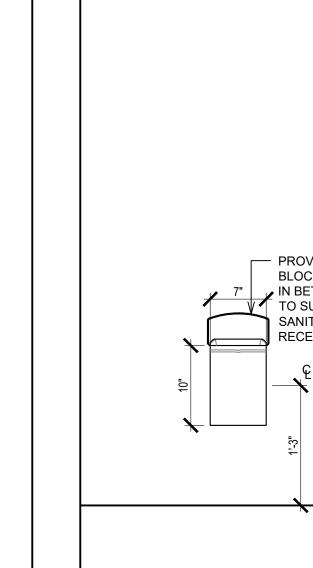
PROVIDE BLOCKING/BACKING IN BETWEEN

STUDS TO SUPPORT BABY CHANGE TABLE



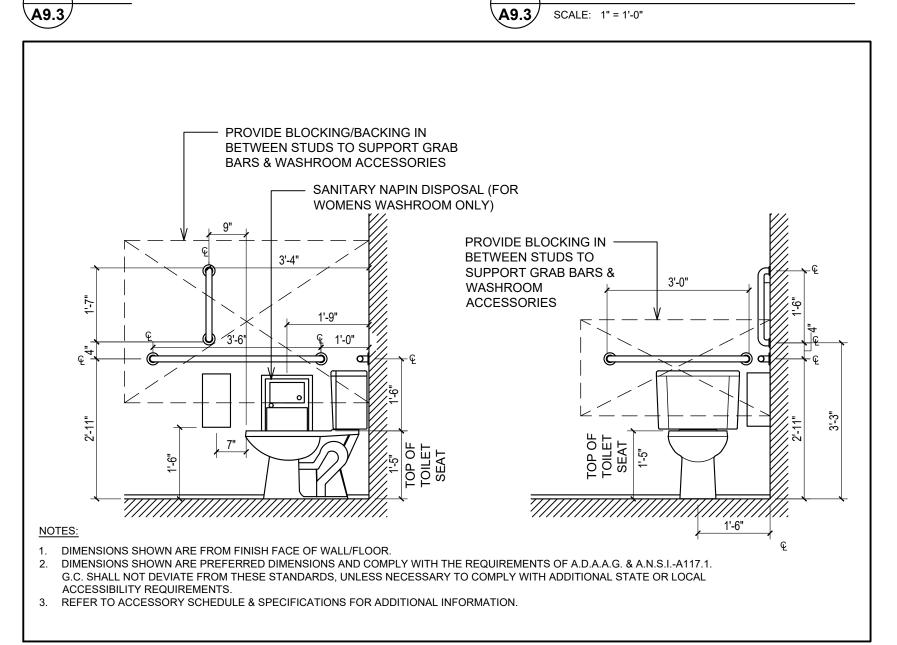


DETAIL @ HAND DRYER A9.3 SCALE: 1" = 1'-0"

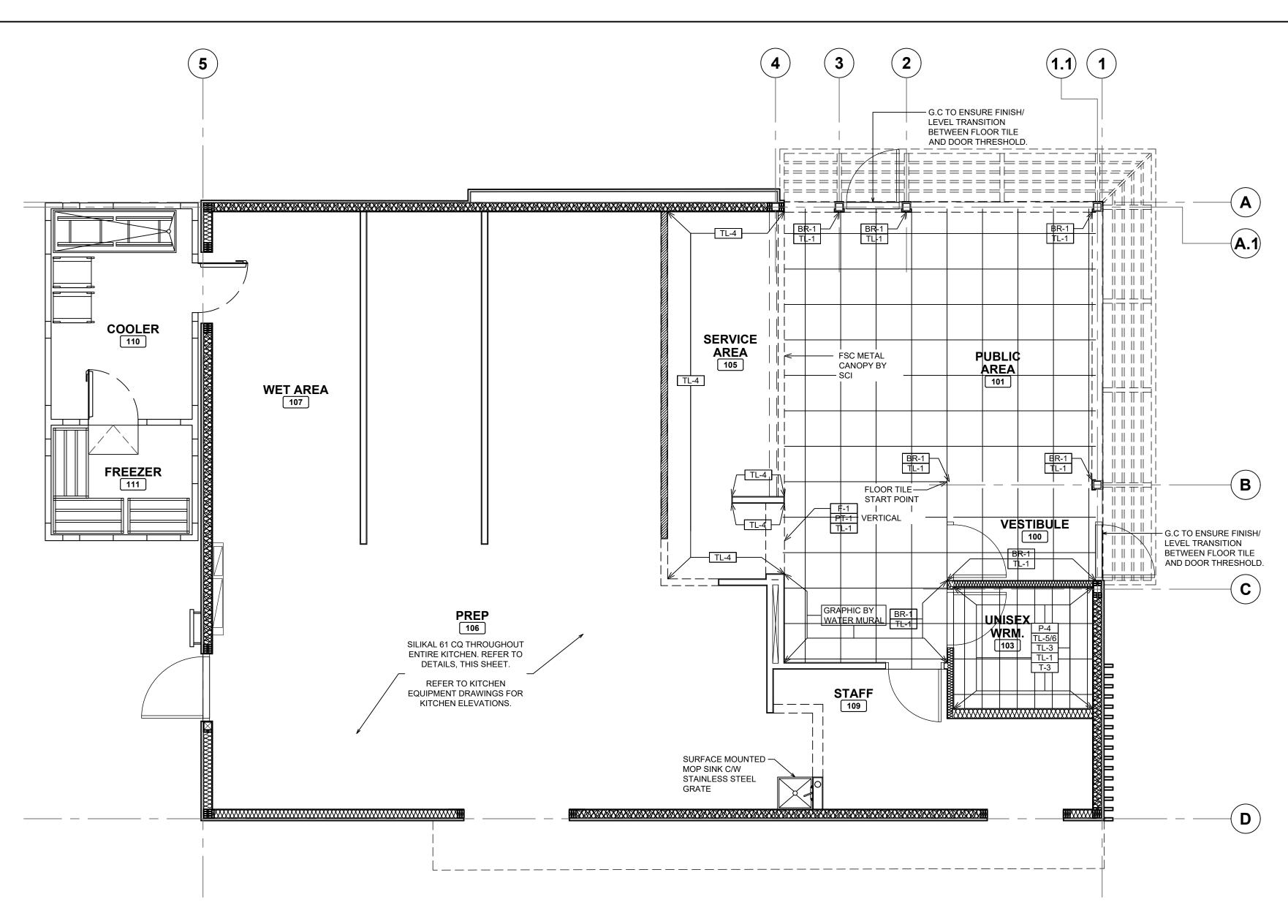


─ PROVIDE BLOCKING/BACKING IN BETWEEN STUDS TO SUPPORT SANITARY NAPKIN RECEPTACLE

DETAIL @ SANITARY NAPKIN RECEPTACLE **A9.3** SCALE: 1" = 1'-0"



1'-3"
CENTER OF **FAUCET** INTEGRAL BACKSPLASH INTEGRAL BACKSPLASH WALL-HUNG LAVATORY W/ SINGLE BOWL SINK. SEE PLUMBING DWG. PROVIDE -**BLOCKING IN-WALL** WASTE AND WATER PIPING TO BE INSULATED. REFER TO PLUMBING DRAWINGS AREA OF ADA CLEARANCES 2'-6" WIDTH CLR. FLR. AREA

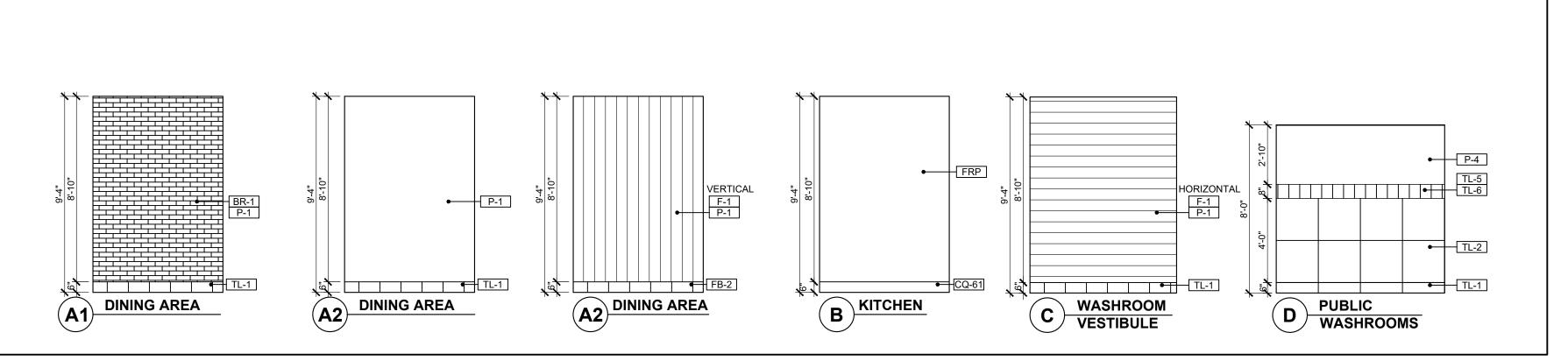


1 TILE PLAN
A10 SCALE: 1/4"=1'-0"

R	ROOM FINISH SCHEDULE SEE INTERIOR ELEVATIONS FOR LOCATION AND TYPE OF INTERIOR FINISHES.																											
RO	OM	Fl	FLOORS WALLS																	CI	EILI	NG	S					
			TI	LE		E	BAS	E	1																			
NO.	NAME	T-2	T-3	CQ-61		TL-1	CQ-61		BR-1	PT-1	PT-2	PT-3	7.	TL-1	TL-2	TL-3	TL-4	TL-5	TL-6	P-1	P-4	WD-AC	FRP	P-1	ACT-1G	ACT-2G	HEIGHT	
100	VESTIBULE	•				•																		•			9'-4"	
101	PUBLIC AREA	•				•			•	•				•											•		9'-4"	
103	UNISEX WASHROOM		•)		•								•	•			•	•		•			•			8'-0"	
105	SERVICE AREA			•			•										•							•			9'-4"	
106	PREP			•			•																•			•	9'-4"	
107	WET AREA			•			•																•			•	9'-4"	
109	STAFF			•			•																•			•	9'-4"	
110	COOLER			•			•																					

NOTES

- 1. GENERAL CONTRACTOR TO PROVIDE MINIMUM 1 CASE OF EACH SET OF FLOOR TILES, WALL TILES & CEILING TILES AND 1 GALLON OF EACH PAINT COLOUR FOR FUTURE USE. THESE MATERIALS ARE TO BE LEFT ON SITE WITH THE RESTAURANT
- 2. PROVIDE & INSTALL SCHLUTER STRIP (SHL-2) AT OUTSIDE / WALL TILE CORNERS WITHIN SERVICE AREA.
- 3. PROVIDE & INSTALL SCHLUTER STRIP (SHL-3) AT ALL FLOOR TILE TRANSITION THROUGH OUT THE ENTIRE STORE. REFER TO FINISHING SCHEDULE.
- 4. PROVIDE & INSTALL SCHLUTER-DILEX-KSN AT LOCATION OF FLOOR TILE AT DELIVERY DOOR. REFER TO POPEYES MASTER SCHEDULE.
- GENERAL CONTRACTOR TO INSTALL BASE TILE FOR ALL FIXED BOOTH SEATING. G.C TO USE LATICRETE - LATAPOXY 300 ADHESIVE TO ADHERE BASE TILE TO BASE BOX BOOTH SEATING AND FOR USE WITH BASE TILE ON FRONT COUNTER. CONTACT: 1-800-243-4788 EXT. 235. WEBSITE: WWW.LATICRETE.COM
- 6. COVE BASE TILES FOR MILLWORK CABINETS TO BE INSTALLED BY MILLWORK VENDOR.
- 7. G.C. TO SEAL ALL MILLWORK / MILLWORK AND GWB / MILLWORK JOINTS WITH CLEAR SILICONE CAULKING AFTER COMPLETION OF PAINTING, WAINSCOTING AND FINAL CLEANING.
- ALL BUTT JOINTS IN THE MILLWORK (VERTICAL AND HORIZONTAL) WILL BE CAULKED WILL CLEAR SILICONE CAULKING BY MILLWORK COMPANY.



2 TYPICAL INTERIOR ELEVATIONS
A10 SCALE: 1/4"=1'-0"

ISSUE	ISSUE TABLE											
No.	Date (mm/dd/yy)	Description										
REVIS	SIONS											
No.	Date	Description										
1	8/01/2023	RESPONSE TO CITY										
2	9/04/2023	HEALTH COMMENTS										
3	9/12/2023	RESPONSE TO CITY										
4	9/12/2023	HEALTH COMMENTS										

DRAWINGS REVISED AS PER DESIGN BULLETIN											
No.	Date	Description									



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OUSIAN

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US 2112 PROTOTYPE

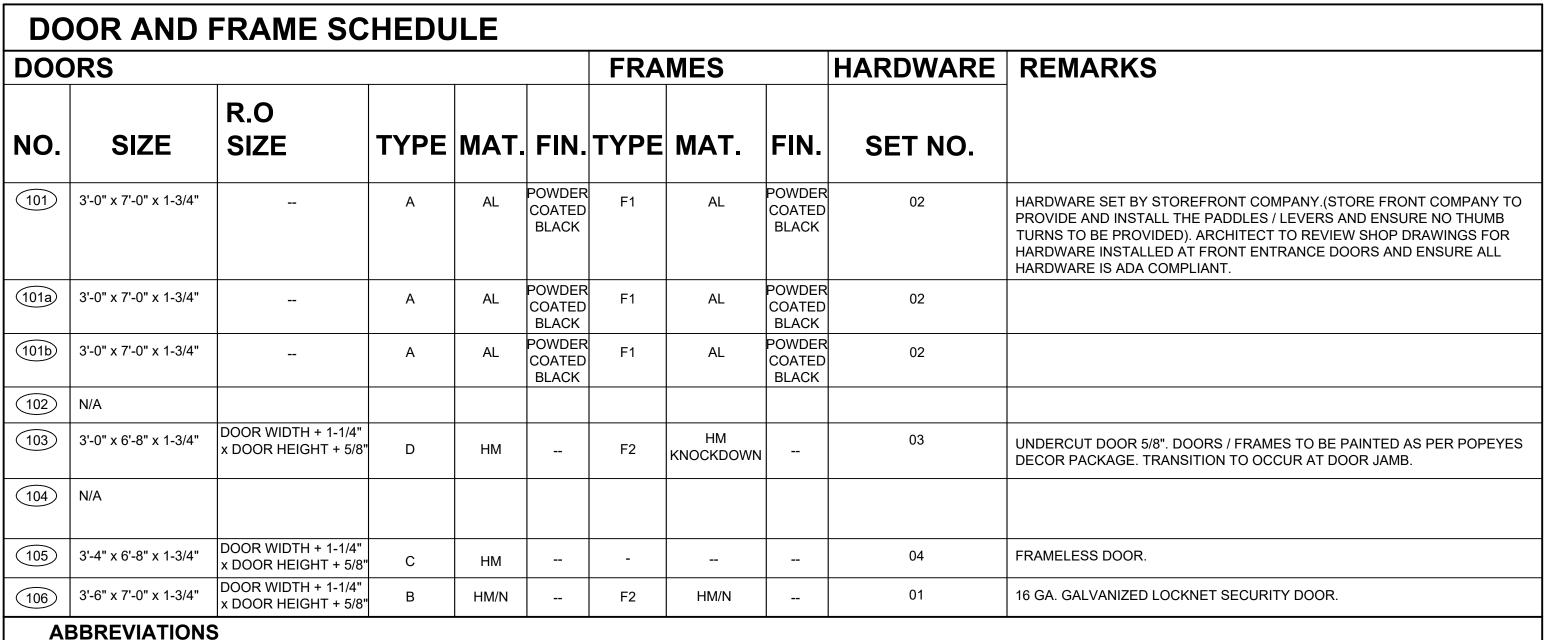
2112-21

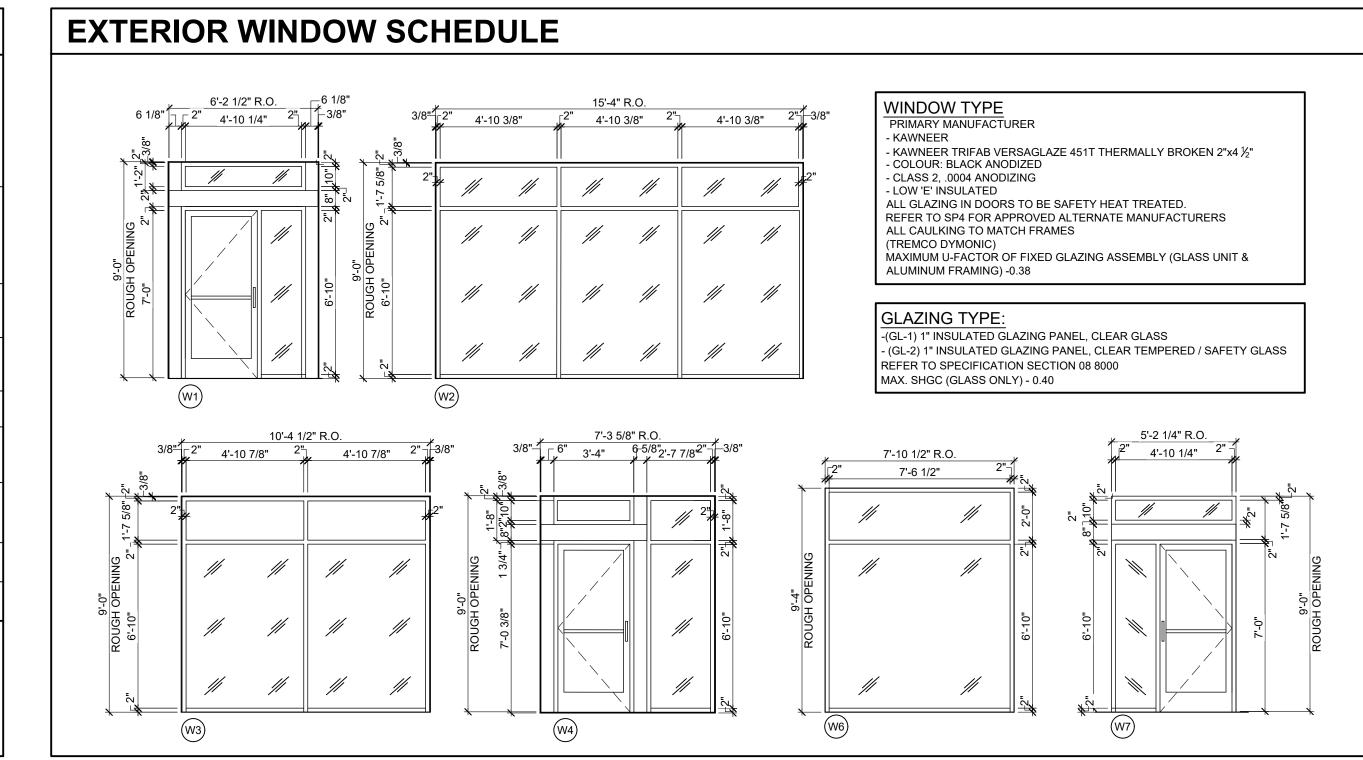
1517 NC 24-87 CAMERON, NC

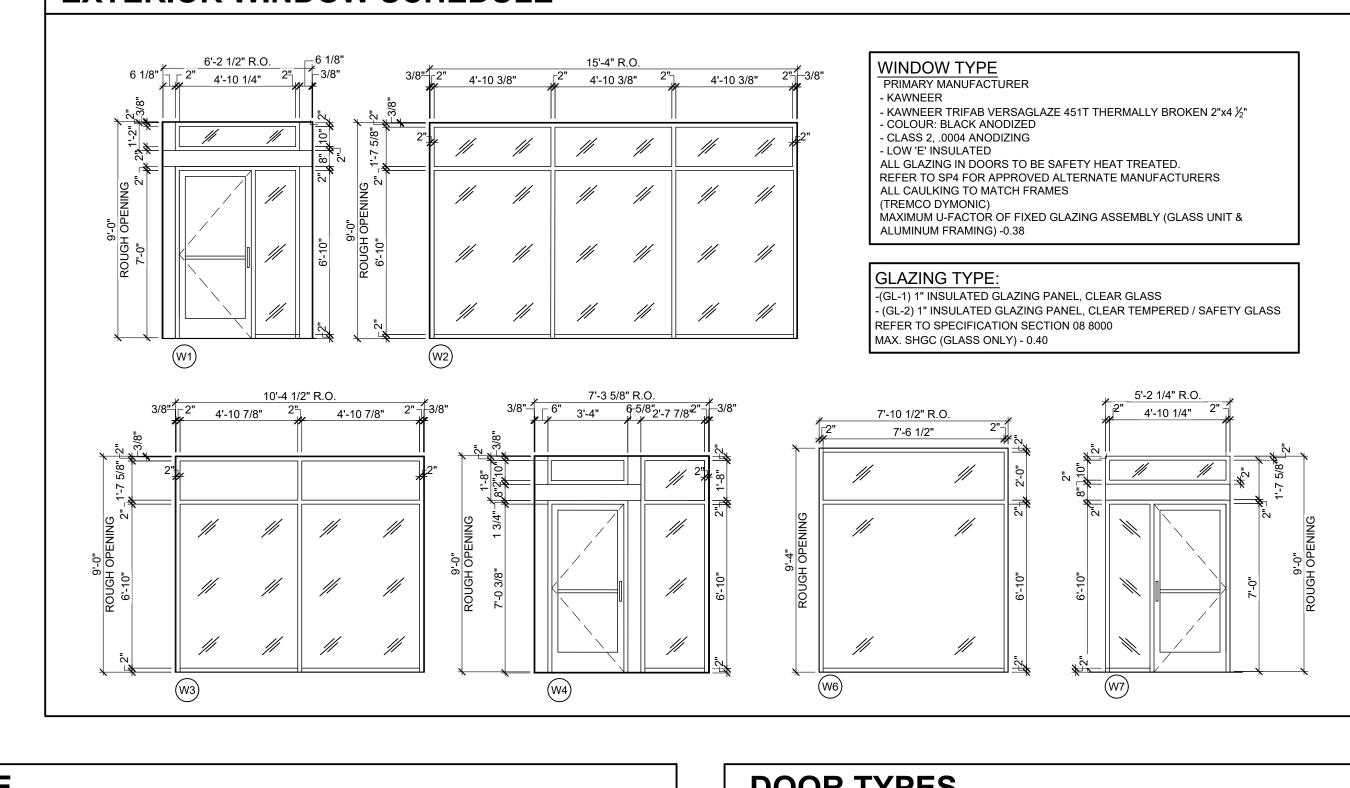
awing Title

TILE PLAN AND FINISHING SCHEDULE

Drawn	Checked
SH	AL
Scale	Date
1/4"=1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	A10







DOOR HARDWARE SCHEDULE HARDWARE SET NO. 1: (LOCKNET SERIES DOOR PACKAGE) DOOR FRAME & HARDWARE INCLUDING ONE- WAY VISION PANEL W/ FLAP, CONTINUOUS HINGE, HEAVY DUTY CLOSER AND PANIC HARDWARE ORDERED THROUGH LOCKNET (800) 887-4307

- 1 EA. 3'-6" X 7'-0" X 1.75" X 16 GA. X G60 GALVANIZED LOCKNET SECURITY DOOR 1 EA. 3'-6" X 7'-0" X (5-7/8" OR 6-3/4") JAMB DEPTH X 14 GA. X G60 GALVANIZED X WELDED IN PLACE EOA X 1/4" X 2-1/2" HR PLATE SPREADER BAR X 4-SIDED
- 8 EA. 3/4"Ø COVER PLUGS (BLACK) 1 EA. SIGN 1 EA. AIR LOUVER VLF-IG-PVC-1/2" LEXAN - 9" X 9" GALVANIZED SECURITY VISION 1 EA. PEMKO CDHFM82SLF-HD FULL MORTISE CONT. GEARED ALUM. HINGE X 628 1 EA. SECURITY LATCH GUARD X FULL LENGTH X TORX SD/ST SMS X FACTORY FINISH

HOLLOW METAL

HMIN HOLLOW METAL INSULATED

1 EA. ARROW 1250S X EO X AL EXIT DEVICE

WELDED DOOR FRAME X FACTORY FINISH PAINTED

ALUMINUM

GLASS

- 1 EA. DORMA 8616 X DS X FCOV S SN1 X AL CLOSER 1 EA. ROCKWOOD 24" X 40" X .050 X US32D X SECURITY TORX SD/ST SMS
- ARMOR PLATE ON PUSH SIDE 1 EA. PEMKO 171A X 42" X DOUBLE NOTCH CUT ENDS X THRESHOLD 1 EA. PEMKO 346C X 46" AL OVERHEAD RAIN DRIP X SECURITY TORX SD/ST SMS 1 EA. PEMKO 221APK X 42" AL COMBINATION KICK PLAT & DOOR SHOE X TORX
- 1 EA. INSTALLATION KIT (PER LOCKNET) 1 EA. CARDBOARD PACKAGING (2 PIECE BOX)

1 SET. P8512 X CONT. PERIMETER WEATHER SEAL (BLACK)

YB5N 2" x 4-1/2"

YB5N 2" x 4-1/2"

20D

3-0

1 EA. DELIVERED ON FULL LENGTH WOODEN PALLET HARDWARE SET NO. 2: (BY YKK AP AMERICA INC.)

YB5N

335

335

YB5N

YB5N

QTY PART # FINISH MODEL

DOORS AND FRAMES

49111DOR

92115FTR

49114DOP

92118FTP

H1104SD

P61205

SD101

V50

HARDWARE SET NO. 3: 1-1/2 PR. HINGES

PREFINISHED METAL

McKINNEY 1 EA. LATCHSET W/LOCK SCHLAGE 1 EA. FLOOR STOP BALDWIN 1 EA. KICKPLATE BURNS 1 EA. COAT HOOK **JACKNOB** 1 EA. CLOSER

8" X 30" X 8" 16GA. US628 #400 WITH RUBBER BUMPER 1460 ALUMINUM CLOSER

SATURN X US26D

#4000 FLOOR MOUNT

PLASTIC LAMINATE

BEARING HINGES,4-1/2" X 4-1/2" US26D

FOLLOWING ITEMS PROVIDED & INSTALLED BY G.C.:

HANDICAP ACCESSIBILITY (ADA) AS REQD: DOOR #103 "MEN" 7" X 2" DOOR #104 "WOMEN" 7" X 2"

HARDWARE SET NO. 4

1 EA. SIGN

McKINNEY BEARING HINGES,4-1/2" X 4-1/2" US26D 1-1/2 PR. HINGES BURNS 8" X 30" X 8" 16GA. US26D 1 EA. KICKPLATE SATURN X US26D

1 EA. LATCHSET W/LOCK SCHLAGE 1 EA. 6"x6" VIEWING WINDOW 1 EA. CLOSER

1460 ALUMINUM CLOSER

HARDWARE SET NO. 5

1-1/2 PR. HINGES McKINNEY BEARING HINGES,4-1/2" X 4-1/2" US26D 1 EA. LATCHSET W/LOCK SCHLAGE SATURN X US26D 1 EA. CLOSER 1460 ALUMINUM CLOSER

DESCRIPTION YB5N YKK AP #20D 3' x 7' O/P OFFSET PIVOTS, HBR RH 3' x 7' O/P, FRAME, W/TRANSOM, RH 6' x 7' O/P, OFFSET PIVOTS, HBR PR 6' x 7' O/P, FRAME, W/TRANSOM, PR SM CLOSER W/BACK CHECK NHO PRES

> PUSH/PULL 1" DIAM. TYPE SC (9" CTC) **BOTTOM RAIL WEATHERSTRIP** 10" BOTTOM RAIL UP TO 3' DETEX PANIC HARDWARE W/

DOGGING FEATURE

STOCK LENGTHS QTY PART# FINISH LENGTH DESCRIPTION BE91503 YB5N HEAD / JAMB / VERTICAL BE91512 YB5N 24-0 SHALLOW POCKET FILLER BE91506 YB5N 24-0 HORIZONTAL 4-1/2" SIDELITE BASE BE91513 YB5N 24-0 24-0 **GLASS STOP** E91015 YB5N BE91510 YB5N 24-0 SILL FLASHING

ACCESSORIES QTY PART# PKG DESCRIPTION E20020 SETTING BLOCK E20047 WATER DEFLECTOR "W" SIDE BLOCK FOR DEEP POCKET E20154 E10168 20P/B END DAM E20052 500P/B GLAZING GASKET PC1220 100P/B #12 x 1-1/4" PHSMS TYPE AB E11015 50P/B SHEAR BLOCK PC1028 100P/B #10 x 1-3/4" PHSMS TYPE AB

HARDWARE SCHEDULE NOTES:

- 1. ALL HARDWARE IS NEW UNLESS OTHERWISE NOTED. 2. ALL DOOR LOCKSETS / LATCHES SHALL BE "LEVER TYPE" IN COMPLIANCE WITH A.D.A.A.G. SECTION 4.1.3.9).
- 3. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS, AND/OR OTHER OPERATING DEVICES SHALL BE INSTALLED BETWEEN 34" MINIMUM AND 48"
- MAXIMUM ABOVE FINISHED FLOOR.
- 4. ALL DOOR THRESHOLDS SHALL BE IN 1/2" HIGH MAXIMUM.
- 5. ALL DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES. THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEAD EDGE (A.D.A.A.G. 4.13.10).

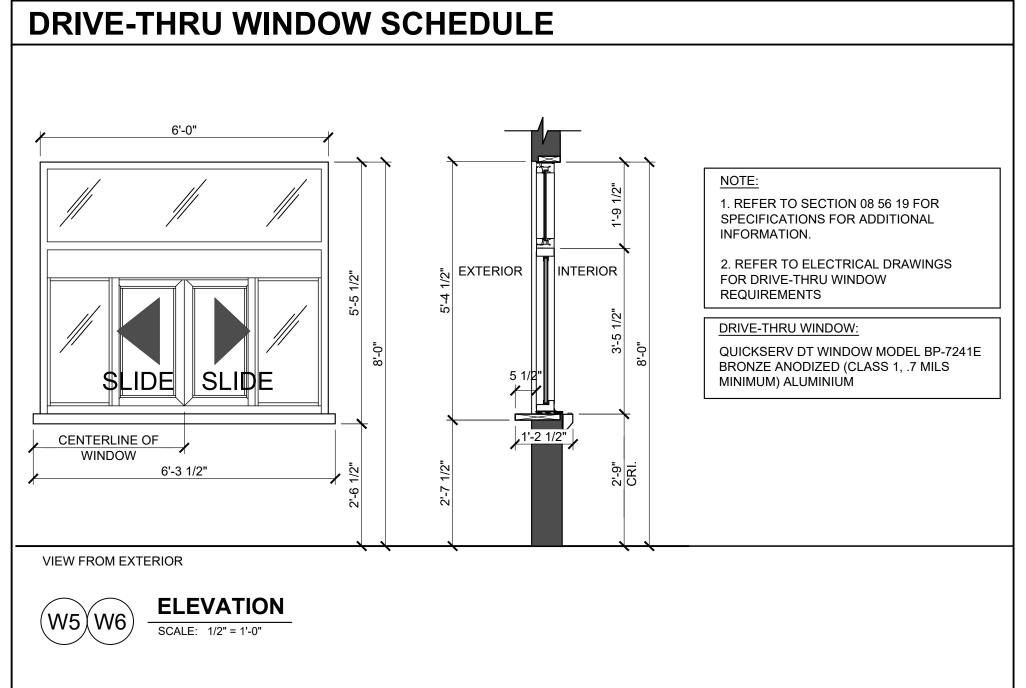
WINDOW SCHEDULE

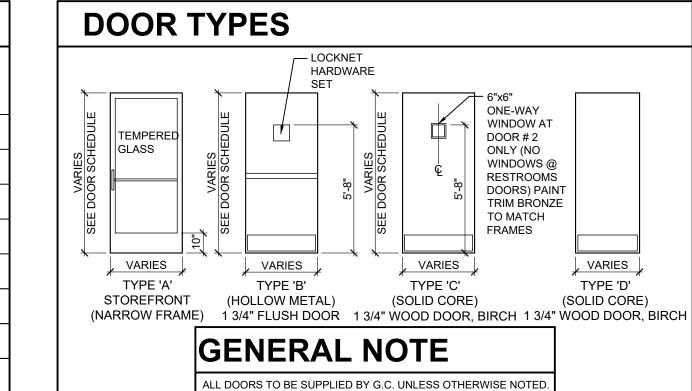
PROVIDED BY DOOR MANUFACTURER

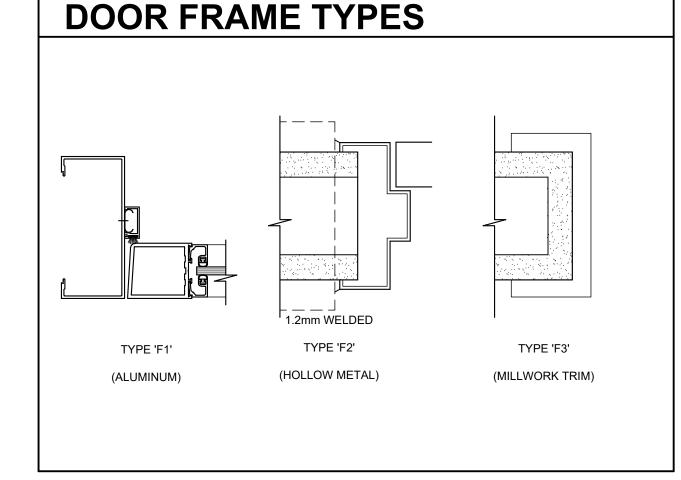
MARK	R.O. SIZE	CONST.	GLASS TYPE	HEAD HEIGHT	REMARKS
W1	6'-9 1/4" x 9'-0"	ALUM	GL-1	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W2	11'-8 1/8" x 9'-0"	ALUM	GL-1 / GL-2	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W3	17'-6" x 9'-0"	ALUM	GL-1	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W4	15'-6 1/4" x 9'-0"	ALUM	GL-1	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W5	6'-0" x 5'-5 1/2"	ALUM	GL-1 / GL-2	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W6	6'-0" x 5'-5 1/2"	ALUM	GL-1 / GL-2	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W7	2'-0 3/4" x 2'-0 3/4"	ALUM	GL-1	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W8	5'-2 1/4" x 9'-0"	ALUM	GL-1 / GL-2	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH
W9	7'-5 1/2" x 9'-0"	ALUM	GL-1 / GL-2	9'-2"	BLACK ANODIZED (CLASS I, 0.7 MILS MINIMUM) FINISH

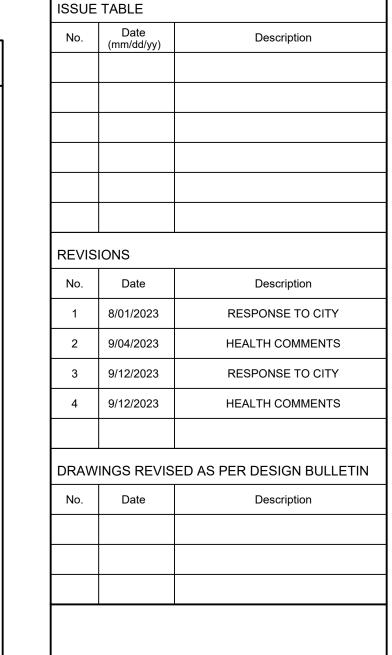
WINDOW SCHEDULE NOTES:

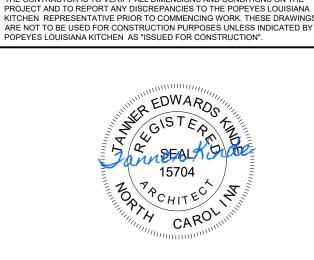
REFER TO WINDOW ELEVATIONS FOR SPECIFIC DIMENSIONS AND ADDITIONAL DETAIL INFORMATION. WINDOW CONTRACTOR SHALL FIELD VERIFY ALL ROUGH OPENINGS FOR ALL WINDOWS PRIOR TO PREPARATION OF SHOP DRAWINGS.











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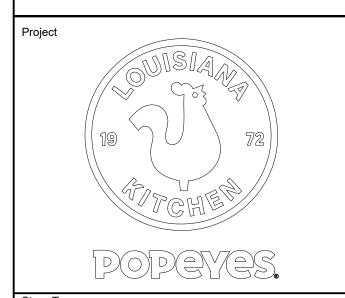
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PROJECT NORTH

9.14.2023

Company Logo



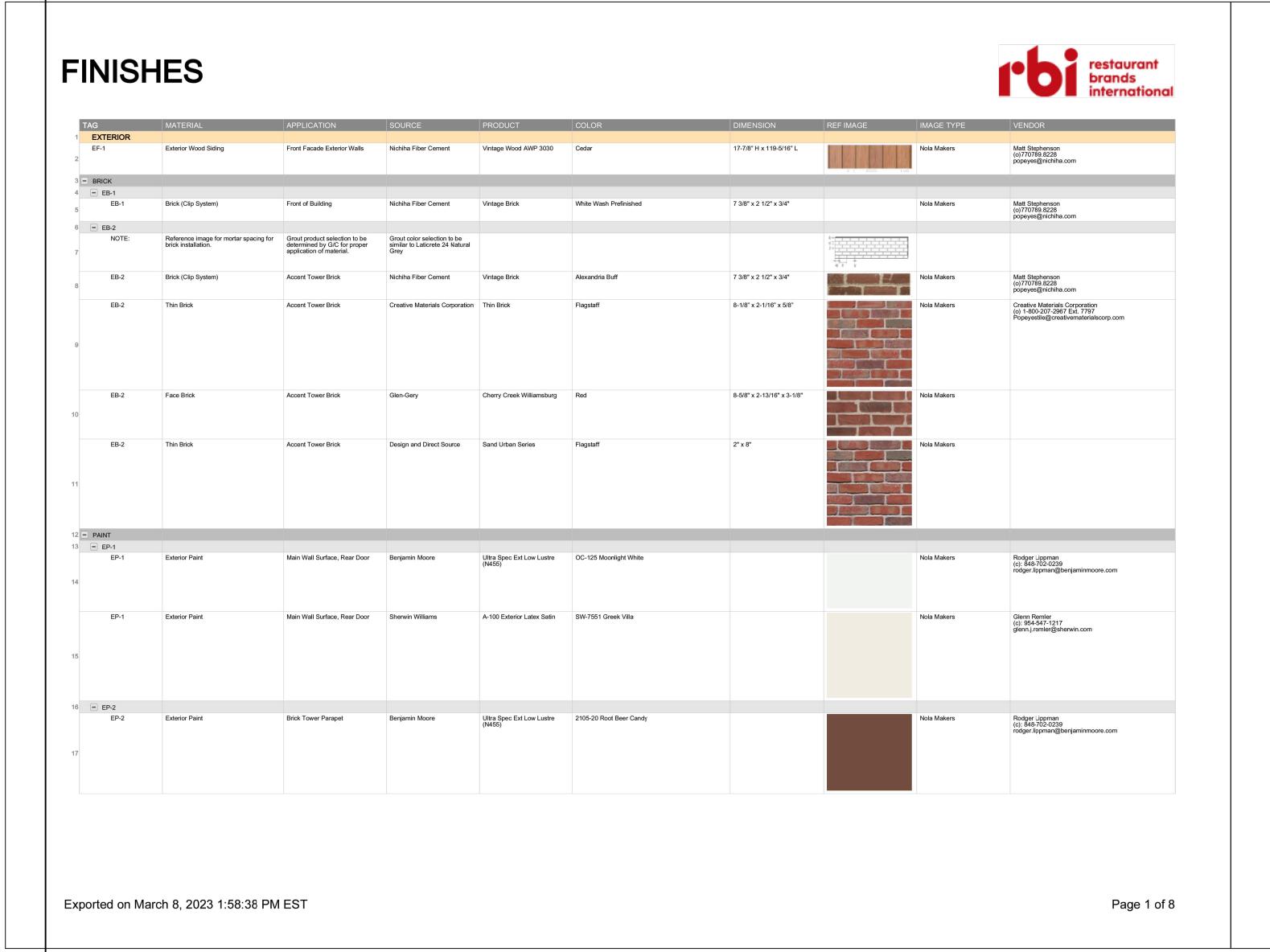


Store Type US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

DOOR AND WINDOW **SCHEDULES**

SH AS NOTED **JUNE 2023** roject No. A11 C22-129



3	MATERIAL	APPLICATION	SOURCE	PRODUCT	COLOR	DIMENSION	REF IMAGE	IMAGE TYPE	VENDOR
EP-2	Exterior Paint	Brick Tower Parapet	Sherwin Williams	A-100 Exterior Latex Satin	SW-6062 Rugged Brown	DIMENSION	REF IIVIAGE	Nola Makers	
									Glenn Remler (c): 954-547-1217 glenn.j.remler@sherwin.com
EP-3									
EP-3	Exterior Paint	Dumpster Walls	Benjamin Moore	Ultra Spec Ext Low Lustre (N455)	HC-170 Stonington Grey			Nola Makers	Rodger Lippman (c): 848-702-0239 rodger.lippman@benjaminmoore.com
EP-3	Exterior Paint	Dumpster Walls	Sherwin Williams	A-100 Exterior Latex Satin	SW-7657 Tinsmith			Nola Makers	Gloop Pomler
EF-3	Exterior Paint	Dumpsier wans	Sierwii Williams	A-100 Exterior Latex Sauri	SW-7657 THISHIRLI			NOIA WAREIS	Glenn Remler (c): 954-547-1217 glenn.j.remler@sherwin.com
EP-4									
EP-4	Metal Paint	Bollards	Benjamin Moore	Corotech High Solids Rapid Dry Enamel	Safety Yellow			Nola Makers	Rodger Lippman (c): 848-702-0239 rodger.lippman@benjaminmoore.com
EP-4	Metal Paint	Bollards	Sherwin Williams	Industrial Enamel HS	Safety Yellow			Nola Makers	Glenn Remler (c): 954-547-1217 glenn.j.remler@sherwin.com
EP-5									
EP-5	Metal Paint	Dumpster Gates and Pylon Pole	Benjamin Moore	Corotech High Solids Rapid Dry Enamel	Factory Finish Black			Nola Makers	Rodger Lippman (c): 848-702-0239 rodger.lippman@benjaminmoore.com
EP-5	Metal Paint	Dumpster Gates and Pylon Pole	Sherwin Williams	Industrial Enamel HS	SW-6991 Black Magic			Nola Makers	Glenn Remler (c): 954-547-1217 glenn.j.remler@sherwin.com
EP-6	Anti Cantini Cant	Estados MA-II-	Ponigmin Marro	Aliphatia Age II- Lie II	V500 00 Class			Nale Maliana	Podgor Linguage
EP-6	Anti Graffitti Coat	Exterior Walls	Benjamin Moore	Aliphatic Acrylic Urethane - Gloss	V500-00 Clear		CORDTECH MION PLEFORMANCE ALIPHATIC ACRYLIC URETHANE	Nola Makers	Rodger Lippman (c): 848-702-0239 rodger.lippman@benjaminmoore.com

FORE

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ISSUE TABLE

REVISIONS

No. Date

1 8/01/2023

2 9/04/2023

3 9/12/2023

4 9/12/2023

Date

Date

(mm/dd/vv)

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

HEALTH COMMENTS

Description

PROJECT NORTH

9.14.2023

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CAROLINIA CAROLINIA

ARCHITECTURE • CIVIL ENGINEERING • MEP ENGINEERING

10755 SANDHILL ROAD, DALLAS, TEXAS 75238
TEL: 214-343-9400 www.dimensiongrp.com

Store Type
US 2112 PROTOTYPE
2112-21

1517 NC 24-87 CAMERON, NC

Drawing Title

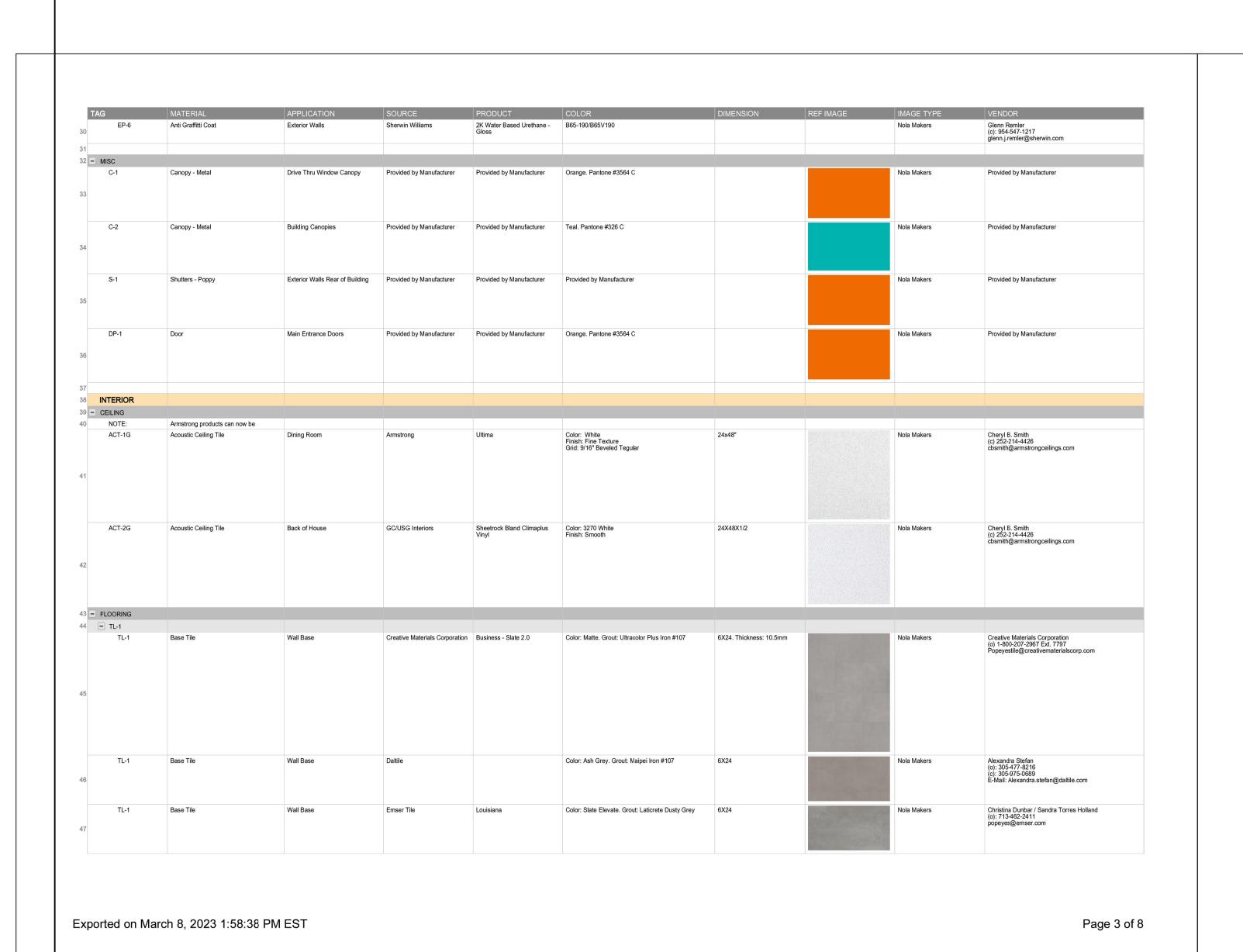
FINISH SCHEDULE

 Scale
 Date

 AS NOTED
 JUNE 2023

 Project No.
 Drawing No.

 C22-129
 A12.0



.G	MATERIAL	APPLICATION	SOURCE	PRODUCT	COLOR	DIMENSION RE	F IMAGE TYPE	VENDOR
TL-1	Base Tile	Wall Base	Bedrosian Tile	Moderna	Color: Grey. Grout: Laticrete Dusty Grey	6X24	Nola Makers	Tamara Ramsey (0): 469-560-6133 popeyes@bedrosians.com
■ TL-2 TL-2	Tile	Dining Room Floor and Restroom Walls	Creative Materials Corporation	Business - Slate 2.0	Finish: Natural/Clefted Body: Porcelain Glazed Color Body Grout Color: Ultracolor Plus Iron #107	24X24. Thickness: 10.5mm	Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
TL-2	Tile	Dining Room Floor and Restroom	Daltile		Color: Ash Grey. Grout: Maipei Iron #107	24X24	Nola Makers	Alexandra Stefan
		Walls						Alexandra Stefan (0): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
TL-2	Tile	Dining Room Floor and Restroom Walls	Emser Tile	Louisiana	Color: Slate Elevate. Grout: Laticrete Dusty Grey	24X24	Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411 popeyes@emser.com
TL-2	Tile	Dining Room Floor and Restroom Walls	Bedrosian Tile	Moderna	Color: Grey. Grout: Laticrete Dusty Grey	24X24	Nola Makers	Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
TL-3	Tile	Restroom Floor Tile	Creative Materials Corporation	Business - Slate 2.0	Finish: Natural/Clefted Body: Porcelain Glazed Color Body Grout Color: Ultracolor Plus Iron #107	12X24. Thickness: 10.5mm	Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
TL-3	Tile	Restroom Floor Tile	Daltile		Color: Ash Grey. Grout: Maipei Iron #107	12X24	Noia Makers	Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
TL-3	Tile	Restroom Floor Tile	Emser Tile	Louisiana	Color: Slate Elevate. Grout: Laticrete Dusty Grey	12X24	Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411 popeyes@emser.com
TL-3	Tile	Restroom Floor Tile	Bedrosian Tile	Moderna	Color: Grey. Grout: Laticrete Dusty Grey	12X24	Nola Makers	Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
■ TL-4								

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ISSUE TABLE Date Description REVISIONS No. Date Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

HEALTH COMMENTS

1 8/01/2023

2 9/04/2023

3 9/12/2023

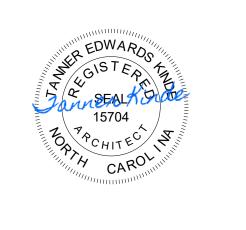
4 9/12/2023

DRAWINGS REVISED AS PER DESIGN BULLETIN Date Description

PROJECT NORTH

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9.14.2023

Company Logo

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Store Type US 2112 PROTOTYPE

2112-21

1517 NC 24-87 CAMERON, NC

Drawing Title

FINISH SCHEDULE

AS NOTED JUNE 2023 Project No. Drawing No. A12.1 C22-129

.G	MATERIAL	APPLICATION	SOURCE	PRODUCT	COLOR	DIMENSION	REF IMAGE	IMAGE TYPE	VENDOR
TL-4	Wall Tile	Front Service Counter Walls	Creative Materials Corporation	10. 10.10.10.10.10.10.10.10.10.10.10.10.10.1	Color: Omni - White Ice Finish: Matte Grout Color: Ultracolor Plus Rain #101	3"X12". Thickness: 6 mm.		Noia Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
TL-4	Wall Tile	Front Service Counter Walls	Daltile	National Account	Color: Color Wheel N524 White Grout: Maipei Rain #101	3" x 12"		Noia Makers	Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
TL-4	Wall Tile	Front Service Counter Walls	Emser Tile	Catch	Color: Ice Grout: Laticrete Smoke Grey	3" x 12"		Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411 popeyes@emser.com
TL-4	Wall Tile	Front Service Counter Walls	Bedrosian Tile	Traditions	Color: White Grout: Laticrete Smoke Grey	3" x 12"		Nola Makers	Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
TL-5	Wall Tile	Restroom Accent Band - Blank Spaces	Creative Materials Corporation	Boon and Beaming	Color: White Finish: Matte Grout Color: Popeye's Custom Color	4.25"x8.5"		Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
TL-5	Wall Tile	Restroom Accent Band - Blank Spaces	Daltile		Color: Arctic White 0790 Finish: Matte Grout Color: Popeye's Custom Color	4x8		Nola Makers	Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
TL-5	Wall Tile	Restroom Accent Band - Blank Spaces	Emser Tile	Select	Color: White Finish: Matte Grout Color: Popeye's Custom Color	4x8		Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411 popeyes@emser.com
TL-5	Wall Tile	Restroom Accent Band - Blank Spaces	Bedrosian Tile					Nola Makers	Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
TL-6	Wall Tile	Restroom Accent Band - Teal Letters	Creative Materials Corporation	Custom Popeye's Letter Logo Tile Sets	Color: White Finish: Matte Lettering Font: Chicken Sans Grout And Letters To Match Color: BM OC-669 "Oceanic Teal"	4.25"x8.5"	BINOD	Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
TL-6	Wall Tile	Restroom Accent Band - Teal Letters	Daltile				BINON	Nola Makers	Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
TL-6	Wall Tile	Restroom Accent Band - Teal Letters	Emser Tile	Select	Color: White Finish: Matte Lettering Font: Chicken Sans Grout And Letters To Match Color: BM OC-669 "Oceanic Teal"	4x8	BINON	Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411 popeyes@emser.com
TL-6	Wall Tile	Restroom Accent Band - Teal Letters	Bedrosian Tile				SINOF	Nola Makers	Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com

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	MATERIAL	APPLICATION	SOURCE	PRODUCT	COLOR	DIMENSION	REF IMAGE	IMAGE TYPE	VENDOR
1	Alternate: Quarry Tile	Back of House Floors	Creative Materials Corporation	Quarry Tile	Color: Grey Finish: Smooth	6x6		Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
					To Be Used With Matching Epoxy Grout				Popeyestile@creativematerialscorp.com
QT-1	Alternate: Quarry Tile	Back of House Floors	Daltile		Color: OT03 Ashen Gray	6x6		Nola Makers	Alexandra Stefan
									Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
									<u> </u>
QT-1	Alternate: Quarry Tile	Back of House Floors	Emser Tile	E-Quarry	Color: Smoke Finish: Smooth	6x6		Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411
					Grout: Laticrete Sandstone				popeyes@emser.com
							The Party Court		
QT-1	Alternate: Quarry Tile	Back of House Floors	Bedrosian Tile	Mason	Color: Morning Fog Grout: Laticrete Sandstone	6x6		Nola Makers	Tamara Ramsey
					Grout: Laticrete Sandstone				Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
2	Allements O. T. T.	Deductif D	0	O T"	Outer Over	0.0		Note Mar	Overtice Market 1 and 12
QT-2	Alternate: Quarry Tile Base	Back of House Base	Creative Materials Corporation	Quarry File	Color: Grey Finish: Smooth To Be Used With Matching Epoxy Grout	6x6		Nola Makers	Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com
					. 5 55 5550 Fran matering Epoxy Grout				. 5ps, somowor sanvornatorialsoorp.com
QT-2	Alternate: Quarry Tile Base	Back of House Base	Daltile		Color: OT03 Ashen Gray	6x6		Nola Makers	Alexandra Stefan (o): 305-477-8216 (c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
									(c): 305-975-0689 E-Mail: Alexandra.stefan@daltile.com
QT-2	Alternate: Quarry Tile Base	Back of House Base	Emser Tile	E-Quarry	Color: Smoke Finish: Smooth	6x6		Nola Makers	Christina Dunbar / Sandra Torres Holland (o): 713-462-2411
					Grout: Laticrete Sandstone				(o): 713-462-2411 popeyes@emser.com
QT-2	Alternate: Quarry Tile Base	Back of House Base	Bedrosian Tile	Mason	Color: Morning Fog Grout: Laticrete Sandstone	6x6		Nola Makers	Tamara Ramsey
									Tamara Ramsey (o): 469-560-6133 popeyes@bedrosians.com
	Primary: Resin Flooring	Back of House Floors	Silikal	Acrylic Resin	Color: Quartz Blend #4 Integral Cove Base		SALE KY	Nola Makers	Mark Feldman (c) 775-772-2797 (o) 770-330-1404 mfeldman@silikalamerica.com
									(o) 770-830-1404 mfeldman@silikalamerica.com
-1									
BR-1	Brick (Clip System)	Dining Room Accent Walls	Nichiha Fiber Cement	Vintage Brick	White Wash Prefinished	7 3/8" x 2 1/2" x 3/4"		Nola Makers	Matt Stephenson (o)770789.8229
									popeyes@nichiha.com
1									
PT-1	Interior Paint	Interior Walls, Beadboard, Brick Walls And Soffits/Ceiling	Benjamin Moore	Ultra Spec 500 Eggshell	OC-068 Distant Gray			Nola Makers	Rodger Lippman (c): 848-702-0239 rodger.lippman@benjaminmoore.com
									rodger.lippman@benjaminmoore.com

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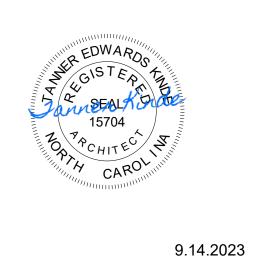
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PROJECT NORTH

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DIMENSION
GROUP

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TEL: 214-343-9400 www.dimensiongrp.com

Project

19
72

POPEYS.

Store Type
US 2112 PROTOTYPE
2112-21

tion

1517 NC 24-87 CAMERON, NC

Drawing T

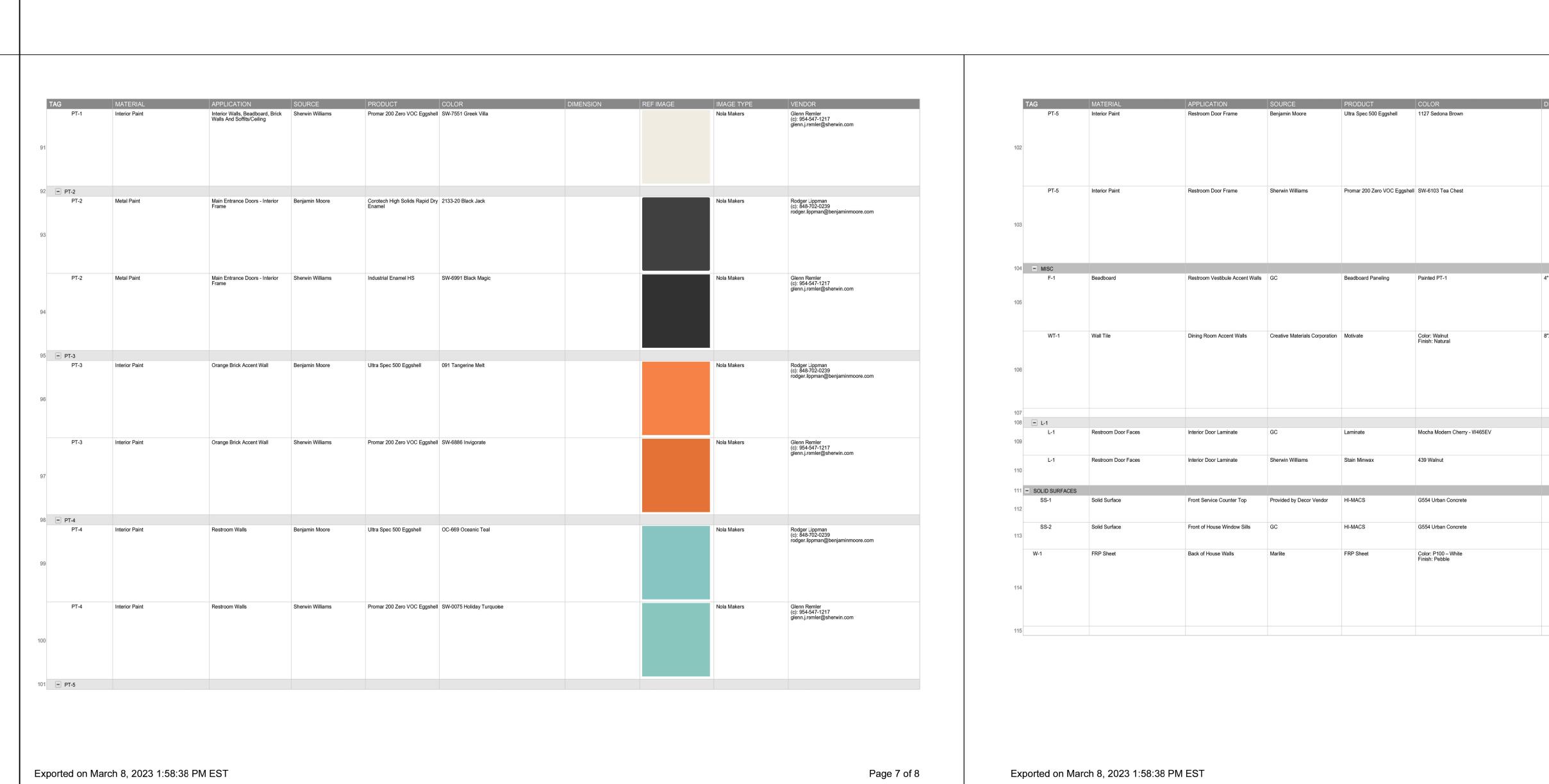
FINISH SCHEDULE

 Scale
 Date

 AS NOTED
 JUNE 2023

 Project No.
 Drawing No.

 C22-129
 A12.2



4" - Channel Bead 1/8" X 1/8" Nola Makers 8"X40". 9MM. Creative Materials Corporation (o) 1-800-207-2967 Ext. 7797 Popeyestile@creativematerialscorp.com Glenn Remler (c): 954-547-1217 glenn.j.remler@sherwin.com Decor Vendor Nola Makers Nola Makers

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ISSUE TABLE Date Description REVISIONS Description No. Date

RESPONSE TO CITY

HEALTH COMMENTS

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3 9/12/2023

4 9/12/2023

DRAWINGS REVISED AS PER DESIGN BULLETIN Date Description

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US 2112 PROTOTYPE 2112-21

1517 NC 24-87

CAMERON, NC

Drawing Title

FINISH SCHEDULE

AS NOTED JUNE 2023 Project No. Drawing No. A12.3 C22-129

PROJECT SPECIFICATIONS DIVISION 01 - GENERAL REQUIREMENTS GENERAL REQUIREMENTS SECTION 01 01 00 DIVISION 02 - EXISTING CONDITIONS (NOT INCLUDED) **DIVISION 03 - CONCRETE** REINFORCED CONCRETE SECTION 03 30 00 **DIVISION 04 - MASONRY** UNIT MASONRY SECTION 04 20 00

DECORATIVE METAL RAILING SECTION 05 73 00 DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION 06 10 00 ROUGH CARPENTRY SHEATHING SECTION 06 16 00 SHOP FABRICATED WOOD SECTION 06 17 53 FINISH CARPENTRY SECTION 06 20 00

DIVISION 05 - METALS

DIVISION 07 - THERMAL AND MOISTURE PROTECTION THERMAL INSULATION

EXTERIOR INSULATION AND SECTION 07 24 00 FLUID APPLIED MEMBRANE SECTION 07 27 26 EXTRUDED ALUMINUM SIDING SECTION 07 46 16 MEMBRANE ROOFING SECTION 07 50 00 SHEET METAL FLASHING SECTION 07 62 00 GUTTERS AND DOWNSPOUTS SECTION 07 71 23 JOINT SEALANTS SECTION 07 92 00 **DIVISION 08 - OPENINGS**

METAL DOORS AND FRAMES SECTION 08 11 00 ALUMINUM ENTRANCES AND SECTION 08 41 13 STOREFRONT WINDOWS PASS-THRU WINDOWS SECTION 08 56 19 DOOR HARDWARE **SECTION 08 70 00** SECTION 08 80 00

DIVISION 09 - FINISHES GYPSUM BOARD ASSEMBLIES SECTION 09 21 00 SECTION 09 30 13 CERAMIC TILING ACOUSTIC TILE CEILINGS SECTION 09 51 23 FIBERGLASS REINFORCED SECTION 09 77 50

PAINTING SECTION 09 91 00 DIVISION 10 - SPECIALTIES

FIRE PROTECTION SECTION 10 44 00 SPECIALTIES DIVISION 12 - WINDOW TREATMENTS

SECTION 10 26 00

SECTION 10 28 00

ROLL-DOWN BLINDS SECTION 12 21 23 **DIVISION 22 - PLUMBING**

SEE MECHANICAL DRAWINGS

WALL PROTECTION

TOILET ACCESSORIES

DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING

SEE MECHANICAL DRAWINGS **DIVISION 26 - ELECTRICAL**

SEE ELECTRICAL DRAWINGS

APPROVED SUPPLIERS LIST

BIDDING REQUIREMENTS; INSTRUCTIONS TO BIDDERS B. ARTICLE 11.3 PROPERTY INSURANCE OF SAID "GENERAL EXAMINATION OF SITE: CONDITIONS" IS HEREBY AMENDED AND MODIFIED AS FOLLOWS: ALL BIDDERS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST INSURANCE: FOR PROJECTS WHERE AFC ENTERPRISES IS THE EXAMINE THE SITE (PREMISES) AND ALL SUCH CONDITIONS AS MAY OWNER, THE CONTRACTOR SHALL PROVIDE THE BUILDER'S RISK AFFECT THE WORK UNDER THIS CONTRACT. FAILURE TO EXAMINE THE SITE WILL NOT RELIEVE THE SUCCESSFUL BIDDER FROM THE

SITY TO PROVIDE WORK THAT MAY BE REQUIRED TO COMPLETE

SCREPANCIES, OMISSIONS, OR DOUBTS AS TO MEANING OF THE

THE WORK WITHOUT ADDITIONAL COST TO THE OWNER.

A. NO ORAL EXPLANATION IN REGARD TO THE MEANING OF THE

DRAWINGS AND SPECIFICATIONS WILL BE MADE AND NO ORAL

ISTRUCTIONS WILL BE GIVEN BEFORE THE AWARD OF THE

DRAWINGS AND SPECIFICATIONS SHALL BE COMMUNICATED IN WRITING TO THE OWNER FOR INTERPRETATION.

IN THE EVENT OF UNRESOLVED DISCREPANCIES OR AMBIGUITY,

SUFFICIENT TIME FOR A REPLY TO REACH THEM BEFORE THE

ARCHITECT OF RECORD WILL BE THE FINAL JUDGE ON PLAN NTERPRETATION. BIDDERS SHOULD ACT PROMPTLY AND ALLOW

SUBMISSION OF THEIR BIDS. ANY REVISION MADE WILL BE IN THE

FORM OF AN ADDENDUM TO THE SPECIFICATIONS BEARING THE

APPROVAL OF THE OWNER AND WILL BE FORWARDED TO ALL

ACKNOWLEDGED BY THE BIDDER BY HIS SIGNATURE AFFIXED

THERETO AT THE TIME OF RECEIPT AND VERIFIED BY HIS

A. THE BIDDER IS REQUIRED TO BID ON ALL ALTERNATES AND/OR

ALLOWANCES OR ON ALL ITEMS CALLED FOR IN THE BID FORM, EXCEPT WHEN ALTERNATES ARE CALLED FOR ON A TYPE OR METHOD OF

CONSTRUCTION AS TO WHICH BIDDER DOES NOT DESIRE TO BID. HE

MAY INSERT THE WORDS "NO BID" IN THE SPACE PROVIDED FOR PRICE ON SUCH ALTERNATE TYPE OR METHOD OF CONSTRUCTION.

BIDS SHALL BE SUBMITTED ON THE FORMS FURNISHED AND SHALL BE SIGNED IN INK. ERASURES OR OTHER CHANGES IN A BID MUST

BE EXPLAINED OR NOTED OVER THE SIGNATURE OF THE BIDDER

ROPOSAL, OR IRREGULARITIES OF ANY KIND, MAY BE REJECTED

BIDS CONTAINING ANY CONDITIONS, OMISSIONS, UNEXPLAINED

ERASES OR ALTERNATES. OR ITEMS NOT CALLED FOR IN THE

BIDS SHALL BE ACCOMPANIED BY ONE (1) SIGNED COPY OF POPEYE'S

CONTRACTOR'S COST WITH NO MARKUP FOR OVERHEAD OR PROFIT BY

RHEAD, AND PROFIT FOR THE GENERAL CONTRACTOR'S WORK

INFORMALITIES IN THE MAKING, RECEIVING, AND OPENING OF BIDS AND THE AWARDING OF CONTRACTS THEREON, AND THE FURTHER RIGHT

. AIA DOCUMENT A305 - CONTRACTORS QUALIFICATIONS STATEMENT

AIA DOCUMENT G701 - CHANGE ORDER.
 AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE OF PAYMENT.

THIS DOCUMENT SUMMARIZES THE CONTRACT AMOUNT, WORK

COMPLETED, STORED MATERIALS, RETAINAGE, PREVIOUS
CERTIFICATES OF PAYMENT, AND THE CURRENT AMOUNT DUE.

AIA DOCUMENT G703 - CONTINUATION SHEET (ONE (1) OR MORE

SUMMARIZED ON DOCUMENTS G702. IT PROVIDES A PROJECT

DIRECTLY TO THE JOB SITE OR IDENTIFIED IN ANY WAY THE SUPPLIER WITH AFCE. CONTRACTOR'S OVERHEAD AND PROF

SHALL BE SHOWN AS A SEPARATE LINE ITEM. IF SUBCONTRACTOR

CONTRACTOR'S OVERHEAD AND PROFIT LINE. UNLESS A CHANGE

ORDER IS INVOLVED, THE TOTAL CONTRACT AMOUNT SHALL REMAIN

AMOUNTS CHANGE FROM AMOUNTS SHOWN ON THE ORIGINAL

PROJECT BREAKDOWN, THE CHANGES SHALL BE SHOWN ON THE

PAYMENT REQUEST WITH A CORRESPONDING CHANGE TO THE

THE SAME.
5. CERTIFICATE OF SUBSTANTIAL COMPLETION, AIA DOCUMENT A704.

AIA DOCUMENT G706 - CONTRACTOR'S AFFIDAVIT OF PAYMENT OF

AIA DOCUMENT G706A - CONTRACTOR'S AFFIDAVIT OF RELEASE OF

LIENS - IN THIS DOCUMENT, THE CONTRACTOR SWEARS THAT AL

SUBCONTRACTORS AND MATERIALMEN ARE LISTED ON G703 AN THAT WAIVERS OF LIENS, HIS OWN INCLUDED, ARE ATTACHED.

12 PARTIAL WAIVER OF LIEN FORM IN THIS FORM THE CONTRACTOR

A LIEN FOR WORK PERFORMED TO DATE. THIS DOCUMENT IS

ACCEPTABLE FOR INTERIM CERTIFICATES OF PAYMENT.

13. FINAL WAIVER OF LIEN FORM - IN THIS FORM, THE CONTRACTOR,

UBCONTRACTORS AND MATERIALMEN WAIVE THEIR RIGHT TO FILE

SUBCONTRACTORS AND MATERIALMEN WAIVE THEIR RIGHT TO FILE

14. CONTRACTOR'S AFFIDAVIT OF DISCLOSURE OF DEBTS AND CLAIMS.

AND CLAIMS ARE DISCLOSED. IT SUMMARIZES THE CURRENT AMOUNT DUE EACH FIRM (CONTRACTOR, SUBCONTRACTOR, OR MATERIALMEN) LISTED ON G703. IT ALSO PROVIDES THE ADDRESS,

PHONE NUMBER, AND REPRESENTATIVE OF EACH FIRM.

GENERAL CONDITIONS

PART OF THE CONTRACT.

IN THIS DOCUMENT, THE CONTRACTOR SWEARS THAT ALL DEBTS

A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION",

HEREWITH MADE A PART OF THIS SPECIFICATION. COPIES ARE TO BE

THE CONTRACT FOR CONSTRUCTION SHALL BE POPEYES LOUISIANA KITCHEN,
 INC. "CONSTRUCTION CONTRACT AGREEMENT" FOR ALL CONSTRUCTION.

STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, FORM A-201, LATEST EDITION, ARE HEREBY, EXCEPT AS THE SAME MAY BE INCONSISTENT

BTAINED AND ARE INCORPORATED BY REFERENCE AND HEREBY MADE A

HEREBY THE AIA PROVISION OF SUCH ARTICLE SHALL REMAIN IN EFFECT. ALI

THERETO. WHERE ANY PORTION OF SUCH ARTICLE IS AMENDED. VOIDED OR

SUPERSEDED THEREBY, THE PROVISIONS OF SUCH ARTICLE NOT SO SPECIFICALLY AMENDED, VOIDED, OR SUPERSEDED SHALL REMAIN IN EFFECT.

B. WHERE ANY ARTICLE OF THE AIA "GENERAL CONDITIONS" IS SUPPLEMENTED

THE SUPPLEMENTARY CONDITIONS SHALL BE CONSIDERED AS IF ADDED

C. THE GENERAL CONDITION SUPPLEMENTARY CONDITIONS AND APPLICABLE

THE LAWS OF THE STATE OF THE LOCATION OF THE PROJECT, SUCH

ARTICLE, OR PORTION OF THE ARTICLE IS HEREBY STRICKEN.
"CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE 1990
AMERICANS WITH DISABILITIES ACT (29CFR PART 1630). TITLE III

D. WHERE ANY ARTICLE OR PORTION OF AN ARTICLE CONFLICTS WITH

SUBSEQUENT SECTIONS OF THESE SPECIFICATIONS.

PORTIONS OF DIVISION LOF THE SPECIFICATIONS APPLY TO ANY AND ALL

/EARS THAT ALL SUBCONTRACTORS AND MATERIALMEN ARE

DEBTS AND CLAIMS - IN THIS DOCUMENT. THE CONTRACTOR

DISCLOSED ON G703 AND THAT EACH HAS BEEN PAID.

AIA DOCUMENT G713 - CHANGE ORDER AUTHORIZATIONS.

6. CERTIFICATE OF INSURANCE, AIA DOCUMENT G705.

9. AIA DOCUMENT G805 - LIST OF SUBCONTRACTORS

1. CONSENT OF SURETY (SURETY COMPANY'S FORM)

PAID TO A THIRD PARTY. MATERIALS TAKEN FROM THE CONTRACTOR'S INVENTORY SHOULD BE LISTED AS "G.C. MATERIALS". THIS MAY NOT INCLUDE MATERIALS DELIVERE

HEETS AS REQUIRED). THIS DOCUMENT DETAILS THE AMOUNT

BREAKDOWN AND DISCLOSES THE NAME OF THE COMPANY PROVIDING LABOR AND MATERIALS. WHEN LABOR IS PAID BY THE

CONTRACTOR DIRECTLY TO INDIVIDUAL WORKERS, IT SHOULD BE

DENTIFIED AS "G.C. LABOR". THIS DOES NOT INCLUDE ANY LABOR

TO WAIVE ANY SUCH INFORMALITY WHEN SUCH WAIVER IS, IN THE

DISCRETION OF THE OWNER, TO THE BEST INTEREST, ALSO. TO

ACCEPT ANY ITEM IN THE BID UNLESS OTHERWISE SPECIFIED.

THE OWNER RESERVES THE RIGHT TO REJECT ANY AND ALL

STANDARD "BID ANALYSIS" FORM. AS INDICATED ON THE FORM.

THE GENERAL CONTRACTOR HOWEVER FACHLINE ITEM SHALL

INDICATE THE FULL VALUE OF SUBCONTRACTOR WORK INCLUDING

INDIVIDUAL LINE ITEMS ARE TO BE SHOWN AT THE GENERAL

SUBCONTRACTOR'S OVERHEAD AND PROFIT. SUPERVISION.

THE OWNER RESERVES THE RIGHT TO DETERMINE WHAT ARE

BIDDERS AND ITS RECEIPT BY THE BIDDER SHOULD BE

B. EACH PROSPECTIVE BIDDER WILL BE FURNISHED BIDDING

ACKNOWLEDGMENT ON THE BID FORM.

OCUMENTS TO COMPLETE THEIR BID

BY THE OWNER AS BEING INCOMPLETE.

SHALL BE SHOWN ON THE APPROPRIATE LINES.

AWARD OF CONTRACT:

REJECTION OF BIDS:

STANDARD FORMS:

PREPARATION & SUBMISSION OF BIDS:

EXPLANATION TO BIDDERS

THE INSURANCE SHALL BE IN AN AMOUNT EQUAL TO THE TOTAL AMOUNT OF THE CONTRACT, LESS THE AMOUNT OF THE SITE WORK. INSURANCE WILL BE ON ALL RISK BASIS WITH \$5,000.00 DEDUCTIBLE. THE \$5,000 DEDUCTIBLE WILL BE PAID BY THE THE TOTAL AMOUNT OF LOSSES OF ALL BUILDING MATERIAL. TOOLS AND EQUIPMENT IN HIS POSSESSION AND NOT PERMANENTLY AFFIXED TO THE BUILDING OR SITE. CLAIMS FOR DAMAGES MUST BE REPORTED TO AFCE'S INSURANCE DEPARTMENT. IMMEDIATELY BY TELEPHONE (404)

BUILDERS' RISK INSURANCE CERTIFICATES WILL BE FURNISHED UPON REQUEST BY AFCE. ONE COPY WILL BE SENT DIRECTLY 391-9500. TELEPHONE REPORTS MUST BE FOLLOWED UP WITHIN TWENTY FOUR (24) HOURS BY A WRITTEN REPORT. SEND THE FIRST COPY TO AFCE'S INSURANCE DEPARTMENT, 5555 GLENRIDGE CONNECTOR, NE, SUITE 300, ATLANTA, GA 30342, AND SEND THE COPY TO AFCE'S CONSTRUCTION DEPARTMEN (SAME ADDRESS). THE CONTRACTOR SHALL RETAIN THE THIRI COPY FOR HIS FILES. BLANK FORMS ARE AVAILABLE FROM

ARTICLE 7 - CHANGES IN THE WORK: A. ARTICLE 7.2 CHANGE ORDERS OF SAID "GENERAL CONDITIONS" SUBPARAGRAPH 7.2.1 IS HEREBY EXTENDED AS FOLLOWS: 4. IN CONSIDERING PROPOSALS FOR CHANGES INVOLVING ADDED WORK, OMITTED WORK, OR ANY COMBINATION OF THE TWO CHECKING OF ESTIMATES WILL BE MADE BY THE OWNER, UTILIZING UNIT PRICES WHERE SPECIFIED OR AGREED UPON WITH THE VIEW OF ARRIVING AT EQUITABLE ADJUSTMENTS 5. WITH EACH PROPOSAL FOR A CHANGE INVOLVING INCREASE OR

DECREASE IN THE AMOUNT OF THE CONTRACT, THE

CONTRACTOR SHALL SUBMIT SEPARATELY AN ITEMIZER BREAKDOWN THAT WILL INCLUDE BUT NOT BE LIMITED TO THE (A) MATERIAL QUANTITIES AND UNIT PRICES (SEPARATED INTO TRADES). PROVIDE BONA FIDE MANUFACTURER'S OR SUPPLIERS' PROPOSALS FOR MANUFACTURED OR PRE ASSEMBLED ITEMS.

(B) LABOR COST (C) CONSTRUCTION EQUIPMENT D) WORKMEN'S COMPENSATION AND PUBLIC LIABILITY (E) OVERHEAD

(G) SOCIAL SECURITY TAX SUPPLEMENTARY CONDITIONS 1. PAYMENT TO CONTRACTOR: A. MONTHLY CONTRACT PAYMENT

MONTHLY PROGRESS PAYMENTS SHALL BE PAID BY THE OWNER FOR 90% OF THE WORK COMPLETED AND MATERIALS STORED AS THE OWNER ON THE JOINT PAYEE BASIS. REIMBURSEMENT BASIS OR CASH ADVANCE BASIS AT THE ELECTION OF THE OWNER. CONTRACTOR IS TO FORWARD AUTHORIZED CHANGE ORDEF DIRECTIVES, AIA DOCUMENT G701, WHICH HAVE BEEN INCURRED TO THAT POINT, WITH APPLICATION FOR PAYMENT. CONTRACTOR IS TO ADVISE OWNER OR ITS AGENT OF ANY ITEM HE OR SUBCONTRACTOR BELIEVES IS AN ADDITIONAL COST OVER CONTRACT AMOUNT PRIOR TO DOING WORK. 1) JOINT PAYEE BASIS CONTRACTORS WILL MAKE APPLICATION TO AFCE ON OR

BEFORE THE TENTH OF EACH MONTH FOR A CHECK PAYABLE JOINTLY TO THE SUBCONTRACTORS AND/OR MATERIAL SUPPLIERS AND THE CONTRACTOR. THE REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE FOLLOWING DCUMENTATION (EXPLANATION OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS):
(A) AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE OF

(B) AIA DOCUMENT G703 - CONTINUATION SHEET.

LAIMS. THIS FORM WILL BE PROVIDED BY POPEYES OUISIANA KITCHEN . INC (D) INVOICES AND/OR TIME SHEETS WILL ACCOMPANY THE CERTIFICATE OF PAYMENT IN SUPPORT OF WORK AND MATERIALS PROVIDED DURING THE PERIOD OF THE APPLICATION FOR THE CONTRACTOR AND FOR EACH UBCONTRACTOR AND MATERIAL SUPPLIER REFLECTED ON THE APPLICATION. CONTRACTOR'S PARTIAL WAIVER OF LIENS FOR ALL WORK AND MATERIALS COMPLETED THROUGH THE BILLING DATE FOR THE CONTRACTOR AND FOR EACH SUBCONTRACT AND MATERIAL SUPPLIER REFLECTED ON THE APPLICATION

(C) CONTRACTOR'S AFFIDAVIT OF DISCLOSURE OF DEBTS AND

VILL BE EXECUTED BY THE JOINT PAYEE CHECK **ENDORSEMENT AS FOLLOWS:** ALL PAYEES MUST SIGN THIS DISCHARGE "ALL CLAIMS, INTEREST, AND DEMANDS OF THE IGNED FOR LABOR DONE OR MATERIAL FURNISHED, AND FOR LIENS, JUDGMENTS, MORTGAGES. OR ANY ACCOUNT WHATSOEVER AGAINST THE PROPERTY (TO BE) OCCUPIED AS A POPEYE'S

RESTAURANT AT: (ADDRESS HERE)

THE OWNER THEREOF, ARE PAID AND SATISFIED RELEASED, AND DISCHARGED TO THE EXTENT OF THE AMOUNT OF THIS CHECK. THE ENDORSEMENT OF THIS CHECK IS FULL EXECUTION OF THE FOREGOING RELEASE AND SHALL BEAR MY SIGNATURE THEREON." EXCEPT FOR ANNOTATING THE ADDRESS OF THE ONSTRUCTION SITE, THE ENDORSEMENT MUST NOT BE ALTERED OR QUALIFIED IN ANY WAY.

(2) REIMBURSEMENT BASIS CONTRACTORS WILL PAY ALL SUBCONTRACTORS AND (ITCHEN ON OR BEFORE THE TENTH OF EACH MONTH FOR REIMBURSEMENT. THEIR REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE FOLLOWING DOCUMENTS (EXPLANATIONS OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS):
(A) AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE FOR

(B) AIA DOCUMENT G703 - CONTINUATION SHEET. (C) AIA DOCUMENT G706 - CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS. (D) AIA DOCUMENT G706A - CONTRACTOR'S AFFIDAVIT OF

RELEASE OF LIENS. (E) PARTIAL WAIVER OF LIEN FORM. B. FINAL PAYMENT CONTRACTORS WILL MAKE APPLICATION TO POPEYES LOUISIANA KITCHEN, INC. OR OWNER/FRANCHISEE FOR THE FINAL PAYMEN THE REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE

> (2) AIA DOCUMENT G703 - CONTINUATION SHEET. WAIVER OF LIENS FORM PROPERLY EXECUTED AND ACKNOWLEDGED.

AND THE REGULATIONS PROMULGATED IN ACCORDANCE THEREIN. CONTRACTOR SHALL INDEMNIFY AND HOLD OWNER AND ARCHITECT HARMLESS FROM ANY AND ALL LOSSES, SUITS, CLAIMS, COSTS, EXPENSES AND OTHER DAMAGES WHICH MAY BE INCURRED BY OWNER/ARCHITECT AS A RESULT OF CONTRACTOR'S FAILURE O COMPLY WITH SAID ACT". ARTICLE 3 - CONTRACTOR: A. ARTICLE 3.4 LABOR AND MATERIALS OF SAID "GENERAL CONDITION" PARAGRAPH 4.4.3 IS HEREBY ADDED AS FOLLOWS: "ALL CONTRACTORS AND SUBCONTRACTORS EMPLOYED UPON THE WORK SHALL BE REQUIRED TO CONFORM TO THE FEDERAL, STATE, AND LOCAL LABOR LAWS AND VARIOUS ACTS AMENDATORY AND SUPPLEMENTARY THERETO, AND TO ALL OTHER LAWS, ORDINANCES, AND LEGAL REQUIREMENTS APPLICABLE THERETO." B. ARTICLE 3.6 TAXES OF SAID "GENERAL CONDITIONS" PARAGRAPH

3.6.1 IS HEREBY AMENDED AND SUPPLEMENTED AS FOLLOWS: "THE CONTRACTOR SHALL PAY FOR ALL TAXES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, BOTH EMPORARY AND PERMANENT C. ARTICLE 3.7 PERMITS, FEES AND NOTICES OF SAID "GENERAL CONDITIONS" PARAGRAPH 4.7.3 DELETE IN ITS ENTIRETY AND SUBSTITUTE IN LIEU THEREOF AS FOLLOWS:
"THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE OWNER ANY CONFLICTS, OMISSIONS, DELETIONS, OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS WHICH DO NOT CONFORM TO APPLICABLE ZONING, CODE AND OTHER USE REGULATIONS AND/OR TO THE AMERICANS WITH DISABILITIES ACT AND REGULATIONS PROMULGATED THEREUNDER. THE CONTRACTOR SHALL NOT BE LIABLE TO THE OWNER OR THE ARCHITECT FOR ANY DAMAGES RESULTING FROM ANY SUCH ERRORS EXCEPT THAT CONTRACT SHALL BE FULLY AND EXCLUSIVELY LIABLE UPON FAILURE TO PUT ARCHITECT ON NOTICE OF SAID CONFLICTS,

OMISSIONS, DELETIONS, OR ERRORS."

D. ARTICLE 3.15 CLEANING UP OF SAID "GENERAL CONDITIONS" PARAGRAPH 3.15.1 HEREBY AMENDED AND ADDED AS FOLLOWS: "HE SHALL REMOVE FROM THE JOB SITE ALL CRATES, PACKING, DEBRIS, ETC. FROM KITCHEN EQUIPMENT. HE SHALL BROOM CLEAN THE BUILDING INTERIOR DAILY. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL LEAVE THE BUILDING CLEANED DUST FREE, CLEAN ALL GLASS, REPLACE ANY BROKEN GLASS. REMOVE STAINS, SPOTS, MARKS AND DIRT FROM DECORATED WORK, CLEAN HARDWARE, REMOVE PAINT SPOTS FROM ALL SURFACES, CLEAN FIXTURES, AND WASH ALL TILE FLOORS.

ARTICLE 11 - INSURANCE:

A. ARTICLE 11.1 CONTRACTOR'S LIABILITY INSURANCE OF SAID
"GENERAL CONDITIONS" IS HEREBY MODIFIED AS FOLLOWS: INSURANCE: COMPREHENSIVE, AUTOMOBILE, UMBRELLA LIABILITY CERTIFICATES OF INSURANCE FROM CARRIERS APPROVED BY THE OWNER SHALL BE FILED IN NOT LESS THAN THE FOLLOWING AMOUNTS OR GREATER AMOUNTS AS REQUIRED BY LAW PRIOR TO COMMENCEMENT OF THE WORK:

1. WORKMEN'S COMPENSATION: AS REQUIRED BY LAW IN APPLICABLE STATE COMPREHENSIVE GENERAL LIABILITY:
 (A) \$1,000,000 PER OCCURRENCE COMBINED- SINGLE LIMIT (B) \$2,000,000 AGGREGATE OWNED AND NON-OWNED AUTOMOBILE LIABILITY:

\$500,000 PER OCCURRENCE 4. 4. EXCESS (UMBRELLA) LIABILITY \$2,000,000 PER OCCURRENCE ALL INSURANCE POLICIES AND CERTIFICATES FOR WORK PERFORMED FOR AFCE SHALL SHOW OWNER AS AN ADDITIONAL NAMED INSURED PARTY MUST ALSO STATE THAT THE COVERAGE AFFORDED UNDER THE POLICIES SHALL NOT BE CANCELED WITHOUT THIRTY (30) DAY PRIOR NOTICE TO THE OWNER AS EVIDENCED BY THE RETURN RECEIPT OF A REGISTERED LETTER AND BE IN FULL FORCE FOR 3 YEARS FOLLOWING COMPLETION EXPIRATION OR TERMINATION OF THIS CONTRACT.

DIVISION 01 - GENERAL REQUIREMENTS WORK OF CONTRACT

1.1 CONTRACT DOCUMENTS A. THE CONSTRUCTION CONTRACT DOCUMENT WILL BE PREPARED BY POPEYES. A COPY MAY NOT BE BOUND WITH THESE DOCUMENT B. THE STANDARD FORM OF GENERAL CONDITIONS OF THE STIPULATED PRICE INTRACT CCDC 2, 2008, AND SUPPLEMENTARY CONDITIONS THERETO FORM AN INTEGRAL PART OF THE SPECIFICATIONS. C. PERFORM ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS UNDER ONE

PART 1 - GENERAL

D. AN EXECUTED CCDC CONTRACT WILL BE REQUIRED BEFORE APPLICATION OF PERMIT. A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INCLUSION OF ALL WORK OF HIS SUBCONTRACTORS SO THAT IT IS ACCOMPLISHED.

REQUIRED FOR COMPLETION OF THE PROJECT AND SHALL CO-ORDINATE THE WORK B. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND REPORT AND DISCREPANCIES TO THE OWNER PRIOR TO SUBMITTING TENDER

C. THE CONTRACTOR IS RESPONSIBLE FOR CO-ORDINATION OF ALL SUB-TRADES AS OUTLINED IN INSTRUCTIONS TO BIDDERS. D. THE CONTRACTOR SHALL OFF-LOAD KITCHEN EQUIPMENT SUPPLIED BY STORE

FIXTURE COMPANY AND POPEYES. E. THE CONTRACTOR IS TO CLEAN THE SITE AND BUILDING BEFORE THE STORE (TURES AND POPEYES EQUIPMENT DELIVER) F. CONTRACTOR AND SUB-TRADES TO BE ON SITE AT ALL TIMES DURING EQUIPMENT

G. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING REFUSE REMOVAL FOR DURATION OF PROJECT H. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ROOF OF ALL DEBRIS AT THE END OF CONSTRUCTION. . THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND ORDERLY CLEAN THE BUILDING AND SITE AT THE END OF EACH DAY DURING THE CONSTRUCTION PERIOD.

1.3 CONSTRUCTION STANDARDS A. CONSTRUCTION WORK TO EQUAL OR EXCEED MINIMUM STANDARDS SPECIFIED FOR MATERIALS, INSTALLATION METHODS, WORKMANSHIP AND CONSTRUCTION IN PART OF THE BUILDING CODE, LATEST EDITION, EXCEPT WHERE ADDITIONAL OR MORE STRINGENT REQUIREMENTS ARE IMPOSED BY REFERENCE TO OTHER PARTS OF THE NATIONAL BUILDING CODE OF CANADA, BY PROVINCIAL CODES, BY LOCAL JURISDICTIONAL AUTHORITIES. OR BY THE DRAWINGS. SPECIFICATIONS. SPECIFIE REFERENCE STANDARDS, AND OTHER INSTRUCTIONS INCLUDED WITH, OR ISSUED IN

RELATION TO, THE CONTRACT DOCUMENTS FOR THIS PROJECT. 1.4 GENERAL CONTRACTOR A GENERAL CONTRACTOR TO CO-ORDINATE AND OBTAIN ALL REQUIRED INSPECTION CERTIFICATES AND DELIVER TO THE OWNER A FINAL OCCUPANCY PERM

B. GENERAL CONTRACTOR TO OBTAIN ALL REQUIRED SURVEYS TO MEET BUILDING AYOUT AND BUILDING PERMIT REQUIREMENT C. GENERAL CONTRACTOR TO OBTAIN A REGISTERED SURVEY FOR THE BUILDING AND SITE PRIOR TO RELEASE OF FINAL PAYMENT AS NOTED IN THE INSTRUCTION TO

A. GENERAL CONTRACTOR TO BE RESPONSIBLE FOR SECURITY OF ALL AREAS AFFECTED BY WORK OF THIS CONTRACT UNTIL TAKEN OVER BY THE POPEYES, TO TAKE STEPS TO PREVENT ENTRY TO THE WORK BY UNAUTHORIZED PERSONS AND GUARD AGAINST THEFT, FIRE AND DAMAGE BY ANY CAUSE.

B. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF VANDALISM AND

THEFT OF ALL TOOLS, EQUIPMENT, MATERIALS AND OWNER'S CONTENTS. A. BE GOVERNED BY PERTINENT SAFETY REQUIREMENTS OF FEDERAL, PROVINCIAL OR MUNICIPAL BODIES HAVING AUTHORITY, PARTICULARLY THE CONSTRUCTION SAFET

ACT, THE OCCUPATIONAL HEALTH AND SAFETY ACT, AND WORK IN CONJUNCTION WITH THE PROPER SAFETY ASSOCIATIONS OPERATING UNDER THE AUTHORITY OF EACH JURISDICTION. B. PROTECT OWNER, OWNER'S EMPLOYEES, THE PUBLIC AND THOSE EMPLOYED ON THE WORK FROM BODILY INJURY AND TO PROTECT ADJACENT PUBLIC, PRIVATE AND

OWNER'S PROPERTY FROM DAMAGE. C. FURNISH AND MAINTAIN PROTECTION, SUCH AS WARNING SIGNS, TARPAULINS, GUARD RAILS, BARRIERS, NIGHT LIGHTS, RAILINGS AROUND SHAFTS, PIT AND STAIRWELLS, ETC. AS REQUIRED, REMOVE TEMPORARY PROTECTIVE MEASURES WHEN NO

1.7 SHOP DRAWINGS

1.5 SECURITY

A. SUBMIT SHOP DRAWINGS FOR ALL NON-SPECIFIED MATERIALS AND PRODUCTS IN CONFORMANCE WITH INDUSTRY STANDARDS. B REFER TO DIVISION AND SECTIONS OF THE SPECIFICATION FOR WORK REQUIRING SHOP DRAWING SUBMISSION. SUCH WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: ROOF JOISTS, ROOFING MATERIAL LIST, DOORS AND FRAMES,

HARDWARE, ELECTRICAL PANELS AND CIRCUITING. 1.8 SHOP DRAWINGS A THE CONTRACTOR TO PROVIDE AS BUILT DRAWINGS AND MAINTENANCE MANUALS AS DETAILED IN THE INSTRUCTION TO BIDDERS

MATERIAL SUPPLIERS AND MAKE PRESENTATION TO POPEYES

OWING DOCUMENTATION (EXPLANATIONS OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS): AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE FOR

(3) AIA DOCUMENT G706, AIA DOCUMENT G706A AND FINAL (4) AIA DOCUMENT G805 - LIST OF SUBCONTRACTORS
WITHIN THIRTY (30) DAYS AFTER RECEIPT OF THE FILING FOR
FINAL PAYMENT, THE OWNER SHALL PAY TO THE CONTRACTOR THE AMOUNT THEREIN STATED, LESS ALL DEDUCTIONS AUTHORIZED BY THE TERMS OF THIS CONTRACT AND PRIOR PAYMENTS AND ADVANCES WHATSOEVER TO OR FOR THE ACCOUNT OF THE CONTRACTOR.
ALL PRIOR ESTIMATES AND PAYMENTS INCLUDING THOSE RELATING TO EXTRA WORK SHALL BE SUBJECT TO CORRECTION AT THE TIME OF THIS PAYMENT, WHICH IS THROUGHOUT THIS

CONTRACT CALLED FINAL PAYMENT. FINAL PAYMENT SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR DULY AUTHORIZED REPRESENTATIVES OF THE OWNER, AND BY THE REPRESENTATIVES OF ALL AGENCIES HAVING DIRECT INTEREST IN THE PROJECT. QUESTIONS REGARDING APPLICATIONS CAN BE RESOLVED BY CONTACTING POPEYE'S CONSTRUCTION MANAGER.

2. CERTIFICATE OF SUBSTANTIAL COMPLETION: THE DATE OF THIS CERTIFICATE SHALL SERVE AS THE TIME FOR COMPUTING THE GUARANTEE PERIOD OF THE BUILDING UNLESS OTHERWISE AGREED UPON. 3. OWNER'S USE AND OCCUPANCY OF BUILDING BEFORE ACCEPTANCE OF

THE OWNER, FOR OCCUPANCY OF THE BUILDING DESCRIBED IN THE DRAWINGS. MAY TAKE POSSESSION OF AND USE SAME AS HE SO DESIRES UPON A SUBSTANTIAL COMPLETION OF THE CONTRACT, ALSO FURTHER UPON RELIEVING THE CONTRACTOR OF ANY DAMAGE DONE TO THE BUILDING DUE SOLELY TO SUCH OCCUPANCY BY SAID OWNER BUT UNDER NO CIRCUMSTANCES SHALL SUCH OCCUPANCY BE AN ACCEPTANCE OF THE WORK FOR THE COMPLETION OF THE CONTRACT OR AN ACCEPTANCE OF THE LABOR DONE AND MATERIALS USED OR

4. MANUFACTURED ITEMS IN THE SPECIFICATIONS: WHERE ITEMS ARE LISTED IN THE SPECIFICATIONS AND/OR "OR EQUAL" IS MENTIONED, THE MATERIALS LISTED SHALL BE USED. THESE MATERIALS SHALL BE INCLUDED IN THE BID SUBMITTED ON THE BID FORM. NO DEVIATION FROM THE MATERIALS LISTED SHALL BE MADE BY THE CONTRACTORS SUBMITTING BIDS. AFTER AWARD OF THE CONTRACT THE CONTRACTOR MAY SUBMIT A SUBSTITUTE MATERIAL FOR THE ITEMS SPECIFIED AS AN "EQUAL" TO THE MATERIAL. SUCH REQUEST SHALL BE SUPPORTED BY TECHNICAL DATA SHOWING THAT THE MATERIALS OR SERVICE IS EQUAL TO THE ITEMS SPECIFIED AND STATING THE AMOUNT OF DECREASE OR INCREASE IN THE CONTRACT SUM. IF NO CHANGE IN THE CONTRACT SUM WILL BE MADE, STATE "NO CHANGE". THE CONSULTANT'S ARCHITECTURE AND ENGINEERING DEPARTMENT WILL DETERMINE IF THE MATERIAL IS ACCEPTABLE AS A SUBSTITUTE FOR THE SPECIFIED ITEM AND MAKE NOTIFICATION IN WRITING TO THE CONTRACTOR, THIS RULING BEING FINAL. CHANGES TO THE CONTRACT SUM WILL BE HANDLED BY CHANGE ORDER AUTHORIZATION OR CHANGE

5. SALES TAX: A. THIS PROJECT IS SUBJECT TO STATE AND LOCAL SALES TAX. INCLUDE SALES TAX ON ALL MATERIALS USED IN THE PROJECT. B. WITH EACH REQUEST FOR PAYMENT, PROVIDE A CERTIFIED STATEMENT OF THE AMOUNT PAID FOR SALES TAX IN THE 6. NONDISCRIMINATION CLAUSE:

THE CONTRACTOR, HIS AGENT, OR HIS EMPLOYEES SHALL NOT DISCRIMINATE IN ANY MANNER ON THE BASIS OF RACE, COLOR, CREED SEX. OR NATIONAL ORIGIN WITH REFERENCE TO THE SUBJECT MATTER OF THIS CONTRACT, NO MATTER HOW REMOTE

DIVISION 02 - SITE WORK

SECTION 2A: CLEARING THE SITE

STM SPECIFICATION C-478

SCOPE: FURNISH ALL MATERIALS, EQUIPMENT AND LABOR, CLEARING, EXCAVATING, REMOVAL OF RUBBISH, TRASH AND OTHER NOTED ITEMS, FILLING, GRADING AND RELATED ITEMS NECESSARY TO COMPLETE CLEARING OF SITE WHERE SHOWN AND

REFER TO THE SITE PLAN AND GRADING PLAN TO DETERMINE EXTENT OF WORK NECESSARY UNDER THIS HEADING. WHERE DEMOLITION OF BUILDINGS AND REMOVAL OF TREES IS REQUIRED. A DEMOLITION PLAN SHOWING THE LOCATION OF THE NEW BUILDING,

INISH FLOOR ELEVATION, AND ITEMS TO REMAIN WHERE APPLICABLE. FIRES, STORAGE OF MATERIALS, DEBRIS, OR PARKING OF EQUIPMENT SHALL NOT BE PERMITTED WITHIN THE SPREAD OF BRANCHES OF TREES TO REMAI SECTION 2B: SITE DRAINAGE

GENERAL PROVISIONS SCOPE: FURNISH AND INSTALL STORM DRAIN PIPES, CATCH BASINS, CURB INLETS, GRATING FRAMES, MANHOLES, AND RELATED ITEMS.

CONCRETE PIPE SHALL CONFORM TO ASTM SPECIFICATIONS C76 CLASS III EXCEPT PIPE OVER 18" IN DIAMETER SHALL BE CLASS III AND/OR CLASS IV WHERE CORRUGATED METAL PIPE SHALL CONFORM TO ASTM A-760, A761, OR A-762.

FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH AISI

MANHOLES, YARD DRAINS, CURB INLETS, AND CATCH BASINS SHALL BE CONSTRUCTED OF CAST-IN-PLACE AND/OR PRECAST REINFORCED CONCRETE. GRATING AND FRAMES SHALL BE OF CAST IRON. PRECAST MANHOLES SHALL BE PER

VITRIFIED CLAY PIPE SHALL CONFORM TO ASTM SPECIFICATION C-200 FOR EXTRA STRENGTH PIPE.

THE HEIGHTS OF STORM DRAINAGE STRUCTURES SHALL BE ADJUSTED SO THAT TH SITE DRAINS PROPERLY AS INTENDED ON THE DRAWINGS WITHIN THE SLOPE LIMITS. SECTION 2C: EARTHWORK GENERAL PROVISIONS

SCOPE: FURNISH AND INSTALL/PERFORM ALL GENERAL EXCAVATION, FOOTING EXCAVATION, FILLING, BACKFILLING, STRIPPING OF TOPSOIL, SITE GRADING, AND RELATED ITEMS NECESSARY TO BRING THE SUB-GRADE TO PROPER CONTOUR.

QUALITY CONTROL: TO ASSURE COMPLIANCE WITH THE FILLING AND BACKFILLING COMPACTION REQUIREMENTS, A SOIL TESTING LABORATORY SHALL BE NOTIFIED B THE CONTRACTOR TO CHECK COMPACTION WHEN SO INSTRUCTED BY THE OWNER OF HIS AGENT. PROVIDE THE OWNER WITH A COPY OF THE COMPACTION TEST RESULTS.

A SOIL REPORT WILL BE CONDUCTED AND FURNISHED BY OWNER AND SHALL BE REFERENCED FOR SPECIFIC SITE, SOIL, AND FOUNDATION MODIFICATIONS. MATERIAL AND PERFORMANCE

FOOTING EXCAVATION: ALL FOOTING EXCAVATION SHALL EXTEND INTO UNDISTURBED VIRGIN SOIL OF 2000 PSF MINIMUM BEARING CAPACITY, TO THE DEPTH OF THE FOOTING SHOWN. OR TO A MINIMUM DEPTH REQUIRED BY LOCAL CODE TO MEET FROST LINE OR OTHER RESTRICTIONS, WHICHEVER IS GREATER.

ALL EXCAVATION BELOW THE BOTTOM OF THE FOOTING SHALL BE BACKFILLED WITH 2000 PSI CONCRETE, BUT EXCAVATION SHALL NOT EXCEED 10' WITHOUT THE APPROVAL OF THE

ALL FOUNDATION EXCAVATIONS SHALL BE FREE OF MUD, WATER, AND ALL FOREIGN MATERIAL PRIOR TO POURING. PROVIDE ADEQUATE PROTECTION AGAINST CAVE-IN.

EXCAVATION FOR PLUMBING, HEATING, AND ELECTRICAL WORK SHALL BE DONE BY THE TRADES INVOLVED. GRADING: THE ENTIRE SITE SHALL BE GRADED TO DRAIN PROPERLY. EXISTING AND FINISH GRADES ARE SHOWN ON THE GRADING PLAN. GRADE AND PROVIDE NECESSARY CUT OR FILL TO BRING THE SUB-GRADE TO THE REQUIRED LEVEL FOR THE

BUILDING AND PARKING LOT. ALL FILL MATERIAL AND COMPACTION SHALL BE AS RECOMMENDED IN SOIL ENGINEER'S REPORT. IN THE EVENT THAT NO SOIL ENGINEER'S REPORT IS PROVIDED. ALL FILL MATERIAL AND COMPACTION SHALL BE CLEAN YELLOW SAND OR OTHER BORROW MATERIAL AS SPECIFICALLY APPROVED IN WRITING BY THE OWNER. IN THE EVENT OF CONFLICT BETWEEN GRADES ESTABLISHED ON THE POPEYE'S SITE AND EXISTING GRADES ON ADJACENT PROPERTIES, THE OWNER SHALL BE NOTIFIED

FILL MATERIAL: REFER TO SOIL REPORT FOR FILL MATERIAL AND COMPACTION SPECIFICATIONS. IF NO SOIL REPORT IS PROVIDED, FOR EACH TYPE OF BORROW MATERIAL DELIVERED TO THE SITE, ONE (1) OPTIMUM MAXIMUM DENSITY CURVE SHALL BE ESTABLISHED BY AN ACCEPTED LABORATORY. THESE DENSITIES SHALL BE DETERMINED BY ASTM D1557, MODIFIED PROCTOR DENSITY. COMPACTION SHALL BE 95% OF MAXIMUM DENSITY WITH MOISTURE CONTENT WITHIN 3% OF OPTIMUM AND

CAPABLE OF SUPPORTING 2000 PSF. FILL MATERIAL TO BE LACED IN 6 TO 8 INCH LIFTS SECTION 2D: SOIL POISONING GENERAL REQUIREMENTS

SCOPE: FURNISH AND INSTALL CHEMICAL TREATMENT TO PREVENT TERMITE INFESTATION FOR AREAS TO BE COVERED BY BUILDING SLABS, FOOTINGS, AND SIDEWALKS.

2. GUARANTEE: FURNISH WRITTEN GUARANTEE PROVIDING THAT (A) CHEMICAL AS APPLIED MEETS CONCENTRATION REQUIREMENTS AND APPLICATION RATE SPECIFIED HEREIN (B) SOIL IS EFFECTIVELY TREATED AGAINST TERMITE INFESTATION FOR A PERIOD OF FIVE (5) YEARS FROM DATE OF TREATMENT, AND (C) IF ANY EVIDENCE OF INFESTATION OCCURS WITHIN FIVE (5) YEARS. ENTIRE PROJECT WILL BE COMPLETELY RETREATED AND ALL CONSTRUCTION DAMAGE CAUSED BY TERMITES WILL BE REPAIRED AT NO COST TO OWNER.

MATERIALS

PERFORMANCE

SOIL AREAS DESIGNATED SHALL BE TREATED BY ON OF THE FOLLOWING CHEMICALS AT NOT LESS THAN THE CONCENTRATIONS AS SHOWN BELOW: CHEMICAL

ALDRIN .5% IN WATER EMULSION CHLORIANE 1.0% IN WATER EMULSION .5% IN WATER EMULSION DIELDRIN HELPTACHLOR .5% IN WATER EMULSION

BECAUSE OF THE TOXIC NATURE OF THESE MATERIALS. THEY SHALL BE APPLIED CAREFULLY TO ONLY THE DESIGNATED AREAS BY AN EXPER FOUNDATION, WALLS 4 GALLONS PER 10 MIX TO A DEPTH OF

PIERS, ETC. LINEAR FEET 1'0" MIN. UNIT MASONRY AND 2 GALLONS PER 10 APPLY NEAR BOTTOM PIERS UNDER LINEAR FEET OF FOUNDATION SLABS 1.5 GALLONS PER 10 UNIFORM COVERAGE SQ. FT.

DURING - CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE, RAPID TEMPERATURE CHANGE, AND MECHANICAL INJURY FOR AT LEAST THREE (3) DAYS AFTER PLACEMENT. MOIST CURING, WATERPROOF PAPER, WHITE POLYETHYLENE SHEETING, WHITE LIQUID MEMBRANE COMPOUND, OR A COMBINATION THEREOF MAY BE USED. AFTER FINISHING OPERATIONS HAV BEEN COMPLETED, THE ENTIRE SURFACE OF THE NEWLY-PLACED CONCRETE SHALL BE COVERED BY WHATEVER CURING MEDIUM IS APPLICABLE TO LOCAL CONDITIONS AND APPROVED BY THE ENGINEER. THE EDGES OF CONCRETE SLABS EXPOSED BY THE REMOVAL OF FORMS SHALL BE PROTECTED IMMEDIATELY TO PROVIDE THESE SURFACES WITH CONTINUOUS CURING TREATMENT EQUAL TO THE METHOD SELECTED FOR CURING THE SLAB AND CURB SURFACE. THE CONTRACTOR SHALL HAVE AT HAND AND READY TO INSTAL BEFORE ACTUAL PLACEMENT BEGINS THE EQUIPMENT NEEDED FOR ADEQUATE

F. OPENING TO TRAFFIC - THE ENGINEER SHALL DECIDE WHEN THE PAVEMENT SHALL BE OPENED TO TRAFFIC. IT SHALL NOT BE OPENED TO TRAFFIC UNTIL THE FIELD-CURED CONCRETE HAS ATTAINED A FLEXURAL STRENGTH OF 550 PSI, OR A COMPRESSIVE STRENGTH OF 3,500 PSI. IF SUCH TEST ARE NOT CONDUCTED, THE PAVEMENT SHALL NOT BE OPENED TO TRAFFIC UNTIL FOURTEEN (14) DAYS AFTER THE CONCRETE WAS PLACED. BEFORE OPENING TO TRAFFIC, THE PAVEMENT SHALL BE CLEANED. ASPHALT:

A. PAVEMENT PREPARATION FOR SUBGRADE: MATERIAL IN SOFT SPOTS SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND REPLACED WITH A MATERIAL EQUAL TO THE BEST SUB-GRADE MATERIAL ON ITE. LOOSELY BONDED SUB-GRADE SHALL BE PRIMED WITH AN ASPHALT PRIMING MATERIAL. THE ENTIRE SUB-GRADE AREA SHALL BE COMPACTED BY AT LEAST FIVE (5) COVERAGES OF A PNEUMATIC-TIRED ROLLER. THE SURFACE OF THE SUB-GRADE AFTER COMPACTION SHALL BE HARD, UNIFORM, SMOOTH AND TRUE TO GRADE AND CROSS SECTION. IF ANY QUESTIONS ARISE AS TO THE CONDITION OF SUB-GRADE, A SOILS ENGINEERING FIRM EMPLOYED BY TH OWNER WILL DETERMINE CONDITION OF SUB-GRADE PRIOR TO PAVING AT THE REQUEST OF THE CONTRACTOR.

SPREADING BASE AND SURFACE COURSES - ASPHALT BASE AND SURFACE: FOR ALL AREAS OF MORE THAN 1000 SQUARE YARDS, ASPHALT BASE AND SURFACE COURSES SHALL BE SPREAD AND STRUCK OFF WITH A PAVER. ANY IRREGULARITIES IN SURFACE OF PAVEMENT COURSE SHALL BE CORRECTED DIRECTLY BEHIND THE PAVER. EXCESS MATERIAL FORMING HIGH SPOTS SHALL E REMOVED WITH A SHOVEL OR LUTE. INTENDED AREAS SHALL BE FILLED WITH HOT MIX AND SMOOTHED WITH A LUTE OR THE EDGE OF A SHOVEL BEING PULLED OVER THE SURFACE. CASTING OF MIX OVER SUCH AREAS SHALL NOT BE

COMPACTION - ASPHALT BASE AND SURFACE: ROLLING SHALL START AS SOON AS THE HOT MIX MATERIAL CAN BE COMPACTED WITHOUT DISPLACEMEN ROLLING SHALL CONTINUE UNTIL THOROUGHLY COMPACTED AND ALL ROLLER

D. SPECIFICATIONS FOR SAMPLING AND PATCHING NEW ASPHALTIC CONCRETE PAVEMENTS

AT COMPLETION OF PAVING, TEST CORES SHALL BE TAKEN BY AN INDEPENDENT LABORATORY SELECTED AND PAID BY THE OWNER, TO VERIFY THAT THE THICKNESS OF THE PAVING MATERIALS MEETS THE MINIMUM SPECIFICATION REQUIREMENTS

SUFFICIENT CORES SHALL BE TAKEN IN BOTH PARKING STALLS AND DRIVES O ENSURE REPRESENTATIVE SAMPLING. HOWEVER, NO LESS THAN FOUR (4) LOCATIONS SHALL BE TESTED.

3. THE TESTING LABORATORY SHALL NOTIFY THE GENERAL CONTRACTOR AT LEAST TWO (2) DAYS PRIOR TO CORING

4. THE PAVING CONTRACTOR SHALL PATCH CORE HOLES IMMEDIATELY UPON 5. IF THE ASPHALTIC CONCRETE PATCH CANNOT BE INSTALLED IMMEDIATEL AFTER COMPLETION OF CORING, A MINIMUM OF 5" OF PORTLAND CEMENT

CONCRETE SHOULD BE PLACED IN THE TEST HOLE, SUCH THAT THE SURFACE CONCRETE SHOULD HAVE A MINIMUM TWENTY EIGHT (28) DAYS COMPRESSIVE STRENGTH OF 3,000 PSI, WITH PROPER AIR ENTRAINMENT. SIX (6) TEST HOLES WITH DEPTH IN EXCESS OF 6" MAY BE BACKFILLED TO HE REQUIRED PATCH DEPTH WITH COMPACTED CRUSHED STONE OR PORTLAND CEMENT CONCRETE. 6. PATCHING METHOD:

A. A TACK COAT SHALL BE APPLIED TO THE SIDES OF THE CORE HOLES. THE ACK COAT MAY CONSIST OF SS-1, SS-1H, CSS-1H, RS-1, CRS-1, EMULSIFIED ASPHALT OR RC-70 CUTBACK ASPHALT.

AN ASPHALTIC CONCRETE PATCH WITH A MINIMUM THICKNESS EQUAL TO THE ORIGINAL ASPHALTIC CONCRETE OR 3", WHICHEVER IS GREATER, SHOULD BE INSTALLED IN THE CORE HOLE, FLUSH WITH THE EXISTING PAVEMENT SURFACE. THE MINIMUM THICKNESS MAY BE REDUCED TO 1" IF A TEMPORARY CONCRETE PATCH IS UTILIZED AS IN (5) ABOVE.

THE ASPHALTIC CONCRETE MAY CONSIST OF HOT MIX PLACED AT A TEMPERATURE OF AT LEAST 285 DEGREES F, OR COLD MIX UTILIZING EMULSIFIED OR CUTBACK ASPHALT. THE ASPHALTIC CONCRETE SHOULD MEET THE PPROPRIATE STATE SPECIFICATIONS FOR ASPHALTIC CONCRETE SURFACE COURSE, AND SHOULD BE PROPERLY COMPACTED

PATCHING SHOULD BE PERFORMED AT TEMPERATURES ABOVE 40 DEGREES F TO ENSURE PROPER SETTING OF THE PORTLAND CEMENT CONCRETE, IF USED, AND CURING OF THE ASPHALTIC CONCRETE, IF COLD MIX IS USED.

3. MARKING: MARK ALL PARKING BAYS, ARROWS, AND OTHER TRAFFIC MARKINGS INDICATED ON SITE PLAN. PAINT TRAFFIC YELLOW REFER TO SITE PLAN. ALL PAINT PRODUCTS TO COMPLY WITH STATE HIGHWAY DEPARTMENT SPECIFICATIONS.

SECTION 2F: OPENING SOON SIGN (OPTIONAL) GENERAL PROVISIONS

. SCOPE: FURNISH AND INSTALL WOOD POSTS AND INSTALL SIGN FURNISHED

. "OPENING SOON" LOGO SIGN: SUPPLIED AND SHIPPED TO THE SITE BY THE OWNER. THE SIGN CONSIST OF TWO (2) 4' X 8' WOOD SHEETS. INSTALL ON THREE 3) 4" X 4" X 8' WOOD POST IN "V" SHAPE SO THE SIGN MAY BE READ FROM EITHER DIRECTION. INSTALL THE DAY RECEIVED IN A LOCATION TO ENSURE PRIME

SECTION 2G: LANDSCAPING GENERAL PROVISIONS

1. SCOPE: FURNISH AND INSTALL TOPSOIL TO PROPER CONTOUR FOR ALL AREAS NOTED ON THE SITE PLAN TO BE LANDSCAPED. NOTES:

A. PLANTING MATERIALS AND INSTALLATION SHALL BE PROVIDED UNDER SEPARATE CONTRACT BY THE OWNE 3. COORDINATE THE TIMING OF THE PLACEMENT OF TOPSOIL WITH THE OWNER IN ORDER TO PREVENT EROSION OF TOPSOIL.

MATERIALS 1. TOPSOIL: 6" MINIMUM TOPSOIL.

PERFORMANCE

THE TOPSOIL FILL SHALL BE PLACED AFTER THE COMPLETION OF ALL FOUNDATION AND SITE UTILITY WORK WHEN CONSTRUCTION IS NEARING COMPLETION. RAKE SMOOTH IN PREPARATION OF PLANT MATERIAL NSTALLATION, AND REMOVE ALL LUMPS AND TRASH. TOPSOIL SHALL BE BACKFILLED TO ALL PERIMETER CURBS, AND TO ANY PAVING. TOPSOIL SHALL BE PLACED IN THE OUTSIDE PLANTER.

2. NO MULCH SHALL BE USED WITHIN 5'-0" OF BUILDING ENVELOPE. USE VOLCANIC ROCK OR NON-FLAMMABLE MULCH WITHIN 5'-0". MULCH CAN BE USED OUTSIDE THIS DIMESION.A

REVISIONS Date Description 8/01/2023 RESPONSE TO CITY 9/04/2023 HEALTH COMMENTS 9/12/2023 RESPONSE TO CITY 9/12/2023 HEALTH COMMENTS DRAWINGS REVISED AS PER DESIGN BULLETIN Date Description

Description

ISSUE TABLE

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL ANI

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAI KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWING POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION"

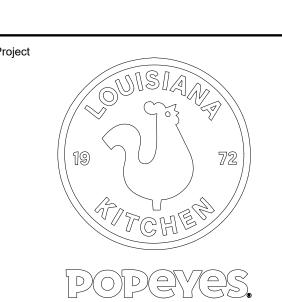


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2. GROUT-CLEANED FINISH: WET CONCRETE SURFACES AND APPLY GROUT OF A ONSISTENCY OF THICK PAINT TO COAT SURFACES AND FILL SMALL HOLES. MIX ONE PART PORTLAND CEMENT TO ONE AND ONE-HALF PARTS FINE SAND WITH A 1:1 MIXTURE OF DETERMINED BY TRIAL PATCHES SO COLOR OF DRY GROUT WILL MATCH ADJACENT SURFACES. SCRUB GROUT INTO VOIDS AND REMOVE EXCESS GROUT. WHEN GROUT WHITENS, RUB SURFACE WITH CLEAN BURLAP AND KEEP SURFACE DAMP BY FOG SPRAY CORK-FLOATED FINISH: WET CONCRETE SURFACES AND APPLY A STIFF GROUT, MIX ONE PART PORTLAND CEMENT AND ONE PART FINE SAND WITH A 1:1 MIXTURE OF BONDING AGENT AND WATER. ADD WHITE PORTLAND CEMENT IN AMOUNTS DETERMINED BY TRIAL PATCHES SO COLOR OF DRY GROUT WILL MATCH ADJACENT SURFACES. COMPRESS GROU INTO VOIDS BY GRINDING SURFACE. IN A SWIRLING MOTION, FINISH SURFACE WITH A CORK A. RELATED UNFORMED SURFACES: AT TOPS OF WALLS, HORIZONTAL OFFSETS, AND SIMILAR UNFORMED SURFACES ADJACENT TO FORMED SURFACES, STRIKE OFF SMOOTH AND FINISH WITH A TEXTURE MATCHING ADJACENT FORMED SURFACES. CONTINUE FINAL SURFACE TREATMENT OF FORMED SURFACES UNIFORMLY ACROSS ADJACENT UNFORMED SURFACES 3.8 FINISHING FLOORS AND SLABS A. GENERAL: COMPLY WITH ACI 302.1R RECOMMENDATIONS FOR SCREEDING, RESTRAIGHTENIN AND FINISHING OPERATIONS FOR CONCRETE SURFACES. DO NOT WET CONCRETE SURFACES. B. FLOAT FINISH: CONSOLIDATE SURFACE WITH POWER-DRIVEN FLOATS OR BY HAND FLOATING IF AREA IS SMALL OR INACCESSIBLE TO POWER DRIVEN FLOATS. RESTRAIGHTEN, CUT DOWN HIGH SPOTS, AND FILL LOW SPOTS, REPEAT FLOAT PASSES AND RESTRAIGHTENING UNTIL SURFACE IS LEFT WITH A UNIFORM, SMOOTH, GRANULAR TEXTURE. 1. APPLY FLOAT FINISH TO INTERIOR SLAB SURFACES C. TROWEL AND FINE-BROOM FINISH: APPLY A FIRST TROWEL FINISH TO EXTERIOR SLAB SURFACES. WHILE CONCRETE IS STILL PLASTIC, SLIGHTLY SCARIFY SURFACE WITH A FINE 1. COMPLY WITH FLATNESS AND LEVELNESS TOLERANCES FOR TROWEL-FINISHED FLOOR 3.9 CONCRETE PROTECTING AND CURING GENERAL: PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. COMPLY WITH ACI 306.1 FOR COLD-WEATHER PROTECTION AND B. EVAPORATION RETARDER: APPLY EVAPORATION RETARDER TO UNFORMED CONCRETE SURFACES IF HOT, DRY, OR WINDY CONDITIONS CAUSE MOISTURE LOSS APPROACHING 0.2 .B/SQ. FT. X H BEFORE AND DURING FINISHING OPERATIONS. APPLY ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AFTER PLACING, SCREEDING, AND BULL FLOATING OR DARBYING CONCRETE, BUT BEFORE FLOAT FINISHING C. CURE CONCRETE ACCORDING TO ACI 308.1, BY ONE OR A COMBINATION OF THE FOLLOWING 1. MOISTURE CURING: KEEP SURFACES CONTINUOUSLY MOIST FOR NOT LESS THAN SEVEN 2. MOISTURE-RETAINING-COVER CURING: COVER CONCRETE SURFACES WITH MOISTURE-RETAINING COVER FOR CURING CONCRETE, PLACED IN WIDEST PRACTICABL WIDTH, WITH SIDES AND ENDS LAPPED AT LEAST 12 INCHES, AND SEALED BY WATERPROOF TAPE OR ADHESIVE. CURE FOR NOT LESS THAN SEVEN DAYS. IMMEDIATELY REPAIR AN HOLES OR TEARS DURING CURING PERIOD USING COVER MATERIAL AND WATERPROOF 3. CURING COMPOUND: APPLY UNIFORMLY IN CONTINUOUS OPERATION BY POWER SPRAY OF ROLLER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. RECOAT AREAS. SUBJECTED TO HEAVY RAINFALL WITHIN THREE HOURS AFTER INITIAL APPLICATION MAINTAIN CONTINUITY OF COATING AND REPAIR DAMAGE DURING CURING PERIOD a. REMOVAL: AFTER CURING PERIOD HAS ELAPSED. REMOVE CURING COMPOUND WITHOU DAMAGING CONCRETE SURFACES BY METHOD RECOMMENDED BY CURING COMPOUND MANUFACTURER 4. CURING AND SEALING COMPOUND: APPLY UNIFORMLY TO FLOORS AND SLABS INDICATED IN A CONTINUOUS OPERATION BY POWER SPRAY OR ROLLER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. RECOAT AREAS SUBJECTED TO HEAVY RAINFALL WITHIN THREE HOURS AFTER INITIAL APPLICATION. REPEAT PROCESS 24 HOURS LATER AND APPLY A SECOND COAT. MAINTAIN CONTINUITY OF COATING AND REPAIR DAMAGE DURING CURING PERIOD. 3.10 CONCRETE SURFACE REPAIRS A. DEFECTIVE CONCRETE: REPAIR AND PATCH DEFECTIVE AREAS WHEN APPROVED BY ARCHITECT. REMOVE AND REPLACE CONCRETE THAT CANNOT BE REPAIRED AND PATCHED TO ARCHITECT'S APPROVAL. 3.11 FIELD QUALITY CONTROL A. TESTING AND INSPECTING: OWNER WILL ENGAGE A QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS. END OF SECTION 03 30 00

DIVISION 04 - MASONRY UNIT MASONRY PART 1 - GENERAL 1.1 RELATED DOCUMENTS A DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION 1.2 QUALITY ASSURANCE ALL MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST, ADOPTED EDITIONS OF THE STANDARDS AND MATERIAL SPECIFICATIONS REFERENCED HEREIN ACI 530/ASCE 5/TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY 2. ACI 530.1/ASCE 6/TMS 602, "SPECIFICATION FOR MASONRY STRUCTURES." a. CONFORM COLD WEATHER MASONRY CONSTRUCTION TO PARAGRAPH 1.8.C. b. CONFORM HOT WEATHER MASONRY CONSTRUCTION TO PARAGRAPH 1.8.D. 1.3 DELIVERY, STORAGE, AND HANDLING DELIVER MASONRY MATERIALS TO PROJECT IN UNDAMAGED CONDITION STORE AND HANDLE MASONRY UNITS OFF THE GROUND, UNDER COVER, AND IN A DRY LOCATION TO PREVENT THEIR DETERIORATION OR DAMAGE DUE TO MOISTURE. TEMPERATURE CHANGES, CONTAMINANTS, CORROSION, AND OTHER CAUSES. IF UNITS BECOME WET, DO NOT PLACE UNTIL UNITS ARE IN AN AIR-DRIED CONDITION. C. STORE CEMENTITIOUS MATERIALS OFF THE GROUND, UNDER COVER, AND IN DRY D. STORE AGGREGATES WHERE GRADING AND OTHER REQUIRED CHARACTERISTICS CAN BE MAINTAINED AND CONTAMINATION AVOIDED. STORE MASONRY ACCESSORIES INCLUDING METAL ITEMS TO PREVENT CORROSION AND ACCUMULATION OF DIRT AND OIL. PROTECTION OF MASONRY: DURING ERECTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. COVER PARTIALLY COMPLETED MASONRY WHEN CONSTRUCTION IS NOT IN PROGRESS. EXTEND COVER A MINIMUM OF 24 INCHES DOWN BOTH SIDES AND HOLD COVER STAIN PREVENTION: PREVENT GROUT, MORTAR, AND SOIL FROM STAINING THE FACE OF MASONRY TO BE LEFT EXPOSED OR PAINTED. REMOVE IMMEDIATELY ANY GROUT, MORTAR, AND SOIL THAT COMES IN CONTACT WITH SUCH MASONRY PROTECT BASE OF WALLS FROM RAIN-SPLASHED MUD AND MORTAR SPLATTER BY MEANS OF COVERINGS SPREAD ON GROUND AND OVER WALL SURFACE. 2. PROTECT SILLS, LEDGES, AND PROJECTIONS FROM MORTAR DROPPINGS 3 PROTECT SURFACES OF WINDOW AND DOORFRAMES AS WELL AS SIMILAR PRODUCTS WITH PAINTED AND INTEGRAL FINISHES FROM MORTAR DROPPINGS COLD-WEATHER CONSTRUCTION: COMPLY WITH REFERENCED UNIT MASONRY STANDARD FOR COLD-WEATHER CONSTRUCTION AND THE FOLLOWING: 1. DO NOT LAY MASONRY UNITS THAT ARE WET OR FROZEN REMOVE MASONRY DAMAGED BY FREEZING CONDITIONS D. HOT-WEATHER CONSTRUCTION: COMPLY WITH REFERENCED UNIT MASONRY PART 2 - PRODUCTS CONCRETE BLOCK: ASTM C90, MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS: 2,500 PSI. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE, MINIMUM COMPRESSIVE STRENGTH: 2,500 PSI. SIZE: PROVIDE CONCRETE MASONRY UNITS COMPLYING WITH REQUIREMENTS INDICATED BELOW FOR SIZES THAT ARE MANUFACTURED TO SPECIFIED FACE DIMENSIONS WITHIN TOLERANCES SPECIFIED IN THE APPLICABLE REFERENCED ASTM SPECIFICATION FOR CONCRETE MASONRY UNITS. 3. CONCRETE MASONRY UNITS: MANUFACTURED TO SPECIFIED DIMENSIONS OF 3/8 INCH LESS THAN NOMINAL WIDTHS BY NOMINAL HEIGHTS BY NOMINAL LENGTHS CONCRETE MASONRY UNITS WITH INTEGRAL WATER REPELLANT: WHERE SHOWN PROVIDE UNITS MADE WITH LIQUID POLYMERIC. INTEGRAL WATER-REPELLANT ADMIXTURE THAT DOES NOT REDUCE FLEXURAL BOND STRENGTH FOR EXPOSE UNITS; PRODUCT: GRACE CONSTRUCTION PRODUCTS, A UNIT OF W.R. GRACE & STANDARD FACE BRICK AS MANUFACTURED BY BORAL, GENERAL SHALE, OR BELDEN BRICK; TO COMPLY WITH ASTM C 216, SEVERE WEATHERING GRADE, TYPE FBS. B. BRICK COLOR: SEE THE EXTERIOR FINISH SCHEDULE. C. SAMPLES FOR VERIFICATION FACE BRICK, IN THE FORM OF STRAPS OF FIVE OR MORE BRICKS 2. COLOR FOR COMPARISON TO EXISTING IF APPLICABLE 3. SPECIAL SHAPES AS REQUIRED TO COMPLETE THE WORK AS DESCRIBED IN THE WEEP HOLES AND VENTS 2.3 MORTAR AND GROUT MIXES A. MORTAR: TYPE S, MINIMUM COMPRESSIVE STRENGTH: 1,800 PSI B. FILL VERTICAL COLLAR JOINTS BELOW GRADE SOLIDLY WITH MORTAR. 2.4 MISCELLANEOUS A MASONRY WALLS ARE NOT DESIGNED TO BE STABLE DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL, IN A TIMELY MANNER TO PREVENT COLLAPSE OF THE WALLS, ADEQUATE BRACING DESIGNED TO RESIST ALL APPLICABLE LOADS OR FORCES LATERAL SUPPORT FOR THE WALLS ARE IN PLACE AND THE WALLS HAVE ATTAINED THE SPECIFIED DESIGN STRENGTH. B. FILL CORES SOLIDLY AROUND ANCHOR RODS. C. LAY HOLLOW MASONRY UNITS WITH FULL MORTAR COVERAGE ON HORIZONTAL AN VERTICAL FACE SHELLS. PROVIDE FULL MORTAR COVERAGE FOR ALL WEBS IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE FILLED WITH GROUT. LAY SOLID UNITS WITH FULL HEAD AND BED JOINTS. D. WHERE MASONRY UNITS OF DIFFERING WIDTHS ARE CONSTRUCTED ON ONE ANOTHER INSTALL AT LEAST ONE FULL COURSE OF 100% SOLID OR SOLIDLY-GROUTED MASONR' FOR THE WIDER OF THE TWO UNITS, CONTINUOUSLY ALONG THE TRANSITION (FOR EXAMPLE, AT BRICK LEDGES). 2.5 HORIZONTAL JOINT REINFORCEMENT, WALL TIES AND ANCHORS MANUFACTURERS: HOHMANN & BARNARD, DUR-O-WAL, NATIONAL WIRE PRODUCTS CORP A. HORIZONTAL JOINT REINFORCEMENT: . EYE AND PINTLE TYPE RODS SPACED NOT MORE THAN 16 INCHES ON CENTER, CLASS B-2, HOT DIPPED GALVANIZED, WITH 9 GAGE SIDE RODS. SIZE, 2 INCHES 2. FREE STANDING COMPOSITE WALLS: LADDER DESIGN, CROSS RODS SPACED NOT MORE THAN 16 INCHES ON CENTER, CLASS B-2, HOT DIPPED GALVANIZED, WITH 9 GAGE SIDE RODS. SIZE, 2 INCHES LESS THAN NOMINAL WALL THICKNESS. a. CONCRETE BLOCK LATERAL SUPPORT ANCHORS: 1/8 INCH THICK X 1-1/4 INCH WIDE X 16 INCH LONG, MILL GALVANIZED WITH DOWN-TURNED END BENDS. b. WIRE MESH WALL TIES SHALL BE 16 GAGE HOT-DIPPED GALVANIZED WIRE B. MASONRY VENEER ANCHORS: GALV. ADJUSTABLE VENEER ANCHOR WITH TWO CADMIUM COATED SCREWS, 14 GAGE ANCHOR AND 3/16 INCH DIAMETER STEEL TIES. PROVIDE ONE ANCHOR FOR EACH 2.0 SQUARE FEET OF WALL AREA. TIES SHALL BE SIZED TO EXTEND WITHIN 3/4 INCH OF FACE MASONRY. ANCHORS MUST BE FASTENED DIRECTLY TO METAL 2. CORRUGATED METAL VENEER TIES SHALL NOT BE USED 2.6 MISCELLANEOUS MASONRY ACCESSORIES A. NONMETALLIC EXPANSION JOINT STRIPS: PREMOLDED FILLER STRIPS COMPLYING WITH ASTM D 1056, TYPE 2 (CLOSED CELL), CLASS A (CELLULAR RUBBER AND RUBBER-LIKE MATÉRIALS WITH SPECIFIC RESISTANCE TO PETROLEUM BASE OILS GRADE 1 (COMPRESSION-DEFLECTION RANGE OF 2-5 PSI), COMPRESSIBLE UP TO 35 PERCENT, OF WIDTH AND THICKNESS INDICATED, FORMULATED FROM THE FOLLOWING NEOPRENE B. PREFORMED CONTROL JOINT GASKETS: MATERIAL AS INDICATED BELOW. DESIGNED TO FIT STANDARD SASH BLOCK AND TO MAINTAIN LATERAL STABILITY IN MASONRY WALL; SIZE AND CONFIGURATION AS INDICATED. . STYRENE-BUTADIENE RUBBER COMPOUND: ASTM D 2000, DESIGNATION 2AA-805. C. BOND BREAKER STRIPS: ASPHALT-SATURATED ORGANIC ROOFING FELT COMPLYING WITH ASTM D 226, TYPE I (NO. 15 ASPHALT FELT). D. WEEP/VENT PRODUCTS: USE RECTANGULAR PLASTIC WEEP/VENT TUBING: CLEAR BUTYRATE, 3/8" BY 1-1/2" BY 3-1/2" LONG. SPACE AS SHOWN BUT NOT LESS THAN 2'-0" 2.7 THRU WALL FLASHING COPPER/PAPER FLASHING: 3 OZ. COPPER SHEET LAMINATED BETWEEN 2 SHEETS OF B. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS SPECIFIED, PROVIDE ONE OF THE FOLLOWING: W.R. GRACE & CO., "PERMA-A-BARRIER" AFCO PRODUCTS, INC., "COP-A-BOND DUPLEX". 3. PHOENIX BUILDING PRODUCTS, INC.; "DUPLEX COP-R FLASH". 4. YORK MANUFACTURING, INC.; "COP-R-TEX DUPLEX". C. ADHESIVE FOR FLASHING; TYPE RECOMMENDED BY MANUFACTURER OF FLASHING MATERIAL FOR USE INDICATED. 2.8 MASONRY CLEANERS A. JOB-MIXED DETERGENT SOLUTION: SOLUTION OF TRISODIUM PHOSPHATE (1/2-CUP RY MEASURE) AND LAUNDRY DETERGENT (1/2-CUP DRY MEASURE) DISSOLVED IN ONE GALLON OF WATER. PART 3 - EXECUTION 3.1 EXAMINATION A. EXAMINE CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER SPECIFIC CONDITIONS AND OTHER CONDITIONS AFFECTING PERFORMANCE OF UNIT MASONRY. 1. FOR THE RECORD, PREPARE WRITTEN REPORT, ENDORSED BY INSTALLER,

ISTING CONDITIONS DETRIMENTAL TO PERFORMANCE OF UNIT MASONRY

B. EXAMINE ROUGH-IN AND BUILT-IN CONSTRUCTION TO VERIFY ACTUAL LOCATIONS OF

C. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED

PIPING CONNECTIONS PRIOR TO INSTALLATION.

3.2 INSTALLATION, GENERAL COMPLY WITH REFERENCED UNIT MASONRY STANDARD AND OTHER REQUIREMENTS DICATED APPLICABLE TO EACH TYPE OF INSTALLATION INCLUDED IN PROJECT THICKNESS: BUILD SINGLE-WYTHE WALLS TO THE ACTUAL THICKNESS OF THE MASONRY UNITS, USING UNITS OF NOMINAL THICKNESS INDICATED. GUILD CHASES AND RECESSES AS SHOWN OR REQUIRED TO ACCOMMODATE ITEMS PECIFIED IN THIS AND OTHER SECTIONS OF THE SPECIFICATIONS. PROVIDE NOT ESS THAN 8 INCHES OF MASONRY BETWEEN CHASE OR RECESS AND JAMB OF PENINGS AND BETWEEN ADJACENT CHASES AND RECESSES. LEAVE OPENINGS FOR EQUIPMENT TO BE INSTALLED BEFORE COMPLETION OF MASONRY. AFTER INSTALLATION OF EQUIPMENT, COMPLETE MASONRY TO MATCH ONSTRUCTION IMMEDIATELY ADJACENT TO THE OPENING. E. CUT MASONRY UNITS WITH MOTOR-DRIVEN SAWS TO PROVIDE CLEAN, SHARP INCHIPPED EDGES. CUT UNITS AS REQUIRED TO PROVIDE CONTINUOUS PATTERI AND TO FIT ADJOINING CONSTRUCTION. USE FULL-SIZE UNITS WITHOUT CUTTING WHERE POSSIBLE 3.3 CONSTRUCTION TOLERANCES A. COMPLY WITH CONSTRUCTION TOLERANCES OF REFERENCED UNIT MASONRY LAYING MASONRY WALLS LAY OUT WALLS IN ADVANCE FOR ACCURATE SPACING OF SURFACE BOND TTERNS WITH UNIFORM JOINT WIDTHS AND FOR ACCURATE LOCATING O OPENINGS, MOVEMENT-TYPE JOINTS, RETURNS, AND OFFSETS, AVOID THE USE OF ESS-THAN-HALF-SIZE UNITS AT CORNERS, JAMBS, AND WHERE POSSIBLE AT OTHER B. LAY UP WALLS TO COMPLY WITH SPECIFIED CONSTRUCTION TOLERANCES WITH COURSES ACCURATELY SPACED AND COORDINATED WITH OTHER CONSTRUCTION. FOLLOWING BOND PATTERN; DO NOT USE UNITS WITH LESS THAT NOMINAL 4-INCH HORIZONTAL FACE DIMENSIONS AT CORNERS OR JAMBS. 1. ONE-HALF RUNNING BOND WITH VERTICAL JOINT IN EACH COURSE CENTERED ON UNITS IN COURSES ABOVE AND BELOW. LAY CONCEALED MASONRY WITH ALL UNITS IN A WYTHE IN RUNNING BOND OR BONDED BY LAPPING NOT LESS THAN 2 INCHES. BOND AND INTERLOCK EACH COURSE OF EACH WYTHE AT CORNERS. DO NOT USE UNITS WITH LESS THA NOMINAL 4-INCH HORIZONTAL FACE DIMENSIONS AT CORNERS OR JAMBS. STOPPING AND RESUMING WORK: IN EACH COURSE, RACK BACK 1/2-UNIT LENGTH FOR ONE-HALF RUNNING BOND OR 1/3-UNIT LENGTH FOR ONE-THIRD RUNNING BOND: DO NOT TOOTH, CLEAN EXPOSED SURFACES OF SET MASONRY, WET CLAY MASONRY UNITS LIGHTLY (IF REQUIRED), AND REMOVE LOOSE MASONRY UNITS AND MORTAR PRIOR TO LAYING FRESH MASONRY F. BUILT-IN-WORK: AS CONSTRUCTION PROGRESSES. BUILD-IN-ITEMS SPECIFIED JNDER THIS AND OTHER SECTIONS OF THE SPECIFICATIONS. FILL IN SOLIDLY WITH MASONRY AROUND BUILT-IN ITEMS. 1. FILL SPACE BETWEEN HOLLOW METAL FRAMES AND MASONRY SOLIDLY WITH MORTAR, UNLESS OTHERWISE INDICATED 2. WHERE BUILT-IN-ITEMS ARE TO BE EMBEDDED IN CORES OF HOLLOW MASONRY UNITS, PLACE A LAYER OF METAL LATH IN THE JOINT BELOW AND ROD MORTAR OR GROUT INTO CORE 3.5 MORTAR BEDDING AND JOINTING A. LAY HOLLOW CONCRETE MASONRY UNITS AS FOLLOWS 1 WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS OL FINISHED JOINT TO SLIGHT CONCAVE SECTION FORMING UNIFORMLY DENSE GROUT SURFACE. 2. BED WEBS IN MORTAR IN STARTING COURSE ON FOOTINGS AND IN ALL COURSES OF PIERS AND WHERE ADJACENT TO CELLS OR CAVITIES TO BE FILLED WITH GROUT. 3 FOR STARTING COURSE ON FOOTINGS WHERE CELLS ARE NOT GROUTED, SPREAD OUT FULL MORTAR BED INCLUDING AREAS UNDER CELLS. CUT JOINTS FLUSH FOR MASONRY WALLS TO BE CONCEALED OR TO BE COVERED BY OTHER MATERIALS, UNLESS OTHERWISE INDICATED. REPOINT MORTAR JOINTS ADJOINING GLAZED SURFACES OF PREFACED CONCRETE MASONRY UNITS WITH CHEMICAL-RESISTANT, WATER-CLEANABLE, EPOXY GROUT AFTER BEDDING MORTAR HAS BECOME FIRM BUT BEFORE IT HARDENS OR SETS RAKE JOINTS ADJOINING GLAZED SURFACES BACK 1/4-INCH FROM FACE. REPOINT ITH CHEMICAL-RESISTANT, WATER-CLEANABLE, EPOXY GROUT, TOOL FINISH JOINT TO SLIGHTLY CONCAVE SECTION FORMING UNIFORMLY DENSE GROUT MOVEMENT (CONTROL AND EXPANSION) JOINTS GENERAL: INSTALL CONTROL AND EXPANSION JOINTS IN UNIT MASONRY WHERE INDICATED. BUILD IN RELATED ITEMS AS THE MASONRY PROGRESSES. DO NOT MADE TO PREVENT IN-PLANE RESTRAINT OF WALL OR PARTITION MOVEMENT. B. FORM CONTROL JOINTS IN CONCRETE MASONRY AS FOLLOWS: 1. INSTALL PREFORMED CONTROL JOINT GASKETS DESIGNED TO FIT STANDARD SASH BLOCK. 3.7 REPAIRING, POINTING, AND CLEANING A. REMOVE AND REPLACE MASONRY UNITS THAT ARE LOOSE, CHIPPED, BROKEN, INED, OR OTHERWISE DAMAGED OR IF UNITS DO NOT MATCH ADJOINING INSTALL NEW UNITS TO MATCH ADJOINING UNITS AND IN FRESH MORTAR OR GROUT B. POINTING: DURING THE TOOLING OF JOINTS, ENLARGE ANY VOIDS OR HOLES, EXCEPT WEEP HOLES, AND COMPLETELY FILL WITH MORTAR, POINT-UP ALL JOINTS CLUDING CORNERS, OPENINGS, AND ADJACENT CONSTRUCTION TO PROVIDE A NEAT, UNIFORM APPEARANCE, PREPARED FOR APPLICATION OF SEALANTS. C. FINAL CLEANING: AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN 1. TEST CLEANING METHODS ON SAMPLE WALL PANEL; LEAVE 1/2 PANI UNCLEANED FOR COMPARISON PURPOSES. OBTAIN ASSOCIATE'S APPROVAL OF SAMPLE CLEANING BEFORE PROCEEDING WITH CLEANING OF MASONRY. CLEAN CONCRETE MASONRY BY MEANS OF CLEANING METHOD INDICATED IN NCMA TEK 45 APPLICABLE TO TYPE OF STAIN PRESENT ON EXPOSED PROTECTION: PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO INSTALLER THAT ENSURES UNIT MASONRY IS WITHOUT DAMAGE AND DETERIORATION AT TIME OF CONTRACT COMPLETION. END OF SECTION 04 20 00

C. TOUCHUP PAINTING: IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED HE SAME MATERIAL USED FOR SHOP PAINTING TO COMPLY WITH SSPC-PA 1 FOR TOUCHING UP SHOP-PAINTED SURFACES. END OF SECTION 05 73 00

DIVISION 5 - METALS

PART 1 - GENERAL

A. SECTION INCLUDES:

1.2 ACTION SUBMITTALS

DECORATIVE METAL RAILINGS

STEEL AND IRON DECORATIVE RAILINGS

GROUT, ANCHORING CEMENT, AND PAINT PRODUCTS

C. SAMPLES: FOR EACH TYPE OF EXPOSED FINISH REQUIR

MANUFACTURER'S PRODUCT LINES OF RAILINGS ASSEMBLED FROM STANDARD

WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA

c. FORTRESS RAILING PRODUCTS, OR ACCEPTED EQUIVALENT AS SUPPLIED BY

SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR

B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, AND ATTACHMENT DETAILS.

D. DELEGATED-DESIGN SUBMITTAL: FOR INSTALLED PRODUCTS INDICATED TO COMPL

A. QUALIFICATION DATA: FOR IPROFESSIONAL ENGINEERI ITESTING AGENCYI.

D. EVALUATION REPORTS: FOR POST-INSTALLED ANCHORS, FROM ICC-ES.

B. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS

PERFORMED BY A QUALIFIED TESTING AGENCY, ACCORDING TO ASTM E 894 AND

A. PRODUCT DATA: FOR THE FOLLOWING:

THEIR PREPARATION.

PART 2 - PRODUCTS

INFORMATIONAL SUBMITTALS

PRECONSTRUCTION TEST REPORTS.

A. STEEL AND IRON DECORATIVE RAILINGS

MANUFACTURER:

SECTION 06 10 00 A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION A. DELIVERY AND STORAGE: KEEP MATERIALS UNDER COVER AND DRY. PROTECT INST EXPOSURE TO WEATHER AND CONTACT WITH DAMP OR WET SURFACES. STACK LUMBER AS WELL AS PLYWOOD AND OTHER PANELS FLAT WITH SPACERS BETWEEN EACH BUNDLE; PROVIDE FOR AIR CIRCULATION WITHIN AND AROUND STACKS AND UNDER TEMPORARY COVERINGS INCLUDING POLYETHYLENE AND SIMILAR MATERIALS. A. ALL STRUCTURAL LUMBER CONSTRUCTION SHALL CONFORM TO THE LATEST, ADOPTED EDITIONS OF THE STANDARDS AND MATERIAL SPECIFICATIONS A. GENERAL: ALL LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF DOC PS 20. FURNISH LUMBER WITH EACH PIECE FACTORY-MARKED WITH GRADE STAMP OF INSPECTION AGENCY VERIFYING COMPLIANCE WITH GRADING RULE REQUIREMENTS AND IDENTIFYING GRADING AGENCY, GRADE, SPECIES. FOR EXPOSED LUMBER INDICATED TO RECEIVE A STAINED OR NATURA FINISH, MARK GRADE STAMP ON END OR BACK OF EACH PIECE OR

PROVIDE CERTIFICATE OF GRADE COMPLIANCE ISSUED BY GRADING PROVIDE DRESSED LUMBER, S4S, UNLESS OTHERWISE INDICATED. B INSPECTION AGENCIES: INSPECTION AGENCIES AND THE ABBREVIATIONS USED TO REFERENCE THEM WITH LUMBER GRADES AND SPECIES PER SPIB -SOUTHERN PINE INSPECTION BUREAU. C. GRADE STAMPS: PROVIDE LUMBER WITH EACH PIECE FACTORY-MARKED WITH GRADE STAMP OF INSPECTION AGENCY EVIDENCING COMPLIANCE WITH GRADING RULE REQUIREMENTS AND IDENTIFYING GRADING AGENCY, GRADE, SPECIES, MOISTURE CONTENT AT TIME OF SURFACING, AND MILL.

UNDER EACH END OF ALL BEAMS AND GIRDER TRUSSES, BUT NOT LESS THAN

OUTSIDE CORNERS, PROVIDING NAILING SURFACES FOR SHEATHING. INSTALL

THE NUMBER REQUIRED TO PROVIDE FULL-WIDTH SOLID BEARING OF THE

C. FABRICATE MISCELLANEOUS LUMBER FROM DIMENSION LUMBER OF SIZES

D. INSTALL STANDARD THREE-STUD CORNER CONSTRUCTION AT INSIDE AND

MEMBER OF DIMENSIONAL LUMBER HEADERS.

CONCEALED JOINT FASTENERS: THREADED STEE

D. NAILS, WIRE, BRADS, AND STAPLES: ASTM F 1667.

AND ASTM F436 FLAT WASHERS.

FULL-DEPTH BLOCKING.

CONNECTORS.

OTHER CONSTRUCTION.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

E. INSTALL ONE LAYER OF 1/2" THICK WOOD STRUCTURAL PANEL BETWEEN EACH

F TREAT ALL EXTERIOR LUMBER OR LUMBER IN CONTACT WITH CONCRETE OR

A. GENERAL: PROVIDE STAINLESS STEEL FASTENERS OF SIZE AND TYPE TO SUIT

B. PROVIDE FASTENERS FOR USE WITH METAL FRAMING ANCHORS THAT COMPLY

E. POWER DRIVEN FASTENERS: NATIONAL EVALUATION REPORT NER - 272.

H. CONNECTIONS: AS A MINIMUM, CONFORM CONNECTIONS FOR STRUCTURA

G. BOLTS, NUTS, AND WASHERS: ASTM A 307, GRADE A; WITH ASTM A563 HEX NUTS

MEMBERS TO THE FASTENING SCHEDULE LISTED IN LOCAL BUILDING CODES.

2. WOOD STRUCTURAL PANELS TO WOOD ROOF RAFTERS AND TRUSSES:

NAILED, USE 10d COMMON NAILS SPACED AT 6 INCHES O.C. AT PANEL

2x4 (MINIMUM) BLOCKING BETWEEN ROOF FRAMING MEMBERS AT ALL

3. WOOD STRUCTURAL PANELS TO WOOD STUDS: USE 8d COMMON NAILS

SPACED AT 6 INCHES O.C. AT PANEL EDGES AND 12 INCHES O.C. AT

INTERMEDIATE SUPPORTS. BLOCK ALL PANEL EDGES WITH SOLID

4. PROVIDE GALVANIZED FASTENERS FOR ALL EXTERIOR APPLICATIONS AND

FOR ALL FIRE-RETARDANT TREATED OR WOOD-PRESERVATIVE TREATED

a. HOT-DIP GALVANIZE ALL STEEL CONNECTORS AND PRODUCTS 14 GA.

AND THICKER AFTER FABRICATION THAT ARE IN CONTACT WITH

ALL SIDES, PER ASTM A123. PROVIDE HOT-DIPPED GALVANIZE

b. HOT-DIP GALVANIZE ALL STEEL CONNECTORS AND PRODUCTS LESS

PRESERVATIVE-TREATED WOOD. PROVIDE MINIMUM 1.85 OZ.

GALVANIZED CONNECTORS PER ASTM A153 OR STAINLESS STEEL

COATING, ALL SIDES, PER ASTM A653, PROVIDE HOT-DIPPED

PENTRY CONSTRUCTION AND THAT ARE TOO SMALL TO USE I

B. SET ROUGH CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS

C. FIT ROUGH CARPENTRY TO OTHER CONSTRUCTION: SCRIBE AND COPE AS

BLOCKING, GROUNDS, AND SIMILAR SUPPORTS TO ALLOW ATTACHMENT OF

D. SECURELY ATTACH ROUGH CARPENTRY WORK TO SUBSTRATE BY ANCHORING

SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS AND TRIM.

1. FURRED SPACES OF WALLS, AT EACH FLOOR LEVEL AND AT CEILINGS.

2. CONCEALED SPACES OF WOOD FRAMED WALLS AND PARTITIONS AT EACH

3. CONCEALED SPACES BETWEEN FLOOR SLEEPERS AND TO SOLIDLY FILL

CONCEALED SPACES BEHIND COMBUSTIBLE CORNICES AND EXTERIOR

A. INSTALL WOOD GROUNDS, NAILERS, BLOCKING, AND SLEEPERS WHERE SHOWN

OF WORK TO BE ATTACHED. COORDINATE LOCATION WITH OTHER WORK

AND WHERE REQUIRED FOR SCREEDING OR ATTACHMENT OF OTHER WORK.

FORM TO SHAPES AS SHOWN AND CUT AS REQUIRED FOR TRUE LINE AND LEVEL

FASTEN SCHEDULE" IN ICC'S INTERNATIONAL BUILDING CODE

E. PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO

F. PROVIDE FIRE BLOCKING IN FURRED SPACES, STUD SPACES AND OTHER

OOR LEVEL AND AT CEILING LINE OF TOP STORY

CONCEALED CAVITIES AS INDICATED AND AS FOLLOWS:

SPACE BELOW PARTITIONS.

3.2 WOOD GROUNDS, NAILERS, BLOCKING, AND SLEEPERS

AND FASTENING AS INDICATED AND IN ACCORDANCE WITH TABLE 2304.9.1

PLUMB AND TRUE TO LINE AND CUT AND FITTED.

FABRICATING ROUGH CARPENTRY WITH MINIMUM JOINTS OR OPTIMUM JOINT

PRESERVATIVE-TREATED WOOD. PROVIDE MINIMUM 2.0 OZ. COATING.

CONNECTORS PER ASTM A153 OR STAINLESS STEEL CONNECTORS

THAN 14 GA. THICK AFTER FABRICATION THAT ARE IN CONTACT WITH

A. DISCARD UNITS OF MATERIAL WITH DEFECTS THAT IMPAIR QUALITY OF ROUGH 1.2 ACTION SUBMITTALS

INSTALL ALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S

EDGES AND 12 INCHES O.C. AT INTERMEDIATE SUPPORTS. PROVIDE SOLI

PROVIDE GALVANIZED CONNECTORS BY THE SIMPSON STRONG-TIE CO

F. WOOD SCREWS: FLAT HEAD, CONFORMING TO ANSI/ASME B18.6.1

WITH WRITTEN RECOMMENDATIONS OF METAL FRAMING MANUFACTURER.

REQUIREMENTS SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURI

OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH A HOT-DII

WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER IN GROUND CONTACT

APPLICATION LINESS INDICATED OTHERWISE THAT COMPLY WITH

MASONRY WITH PRESERVATIVE IN ACCORDANCE WITH AWPA.

SUPPORTED MEMBERS.

GENERAL CONTRACTOR. . PRODUCT OPTIONS: INFORMATION ON CIVIL DRAWINGS AND IN SPECIFICATIONS DIMENSION LUMBER AND BOARDS FOR CONCEALED CONDITIONS ESTABLISHES REQUIREMENTS FOR SYSTEM'S AESTHETIC EFFECTS AND PERFORMANCE A. SPECIES: SPRUCE PINE FIR. DO NOT MODIFY INTENDED AESTHETIC EFFECTS, AS JUDGED SOLELY BY OWNER, EXCEPT WITH OWNER'S APPROVAL COMMON, OR CONSTRUCTION BOARDS. BRACKETS, FLANGES, FASTENERS, AND ANCHORS; SAME METAL AND FINISH AS SUPPORTED RAILS AS PROVIDED FROM FORTRESS RAILING PRODUCTS BY GENERAL 2.3 FIRE RETARDANT-TREATED MATERIALS

2.3 STEEL AND IRON (LUMBER) AND AWPA C27 (PLYWOOD). A. TUBING, BARS, PLATES, AND OTHER CAST IRON MEMBERS PER ICC AC-273. USE EXTERIOR TYPE FOR EXTERIOR LOCATIONS AND WHERE INDICATED 2. USE INTERIOR TYPE A, HIGH TEMPERATURE (HT) FOR ENCLOSED ROOF 2.5 STEEL AND IRON FINISHE FRAMING, FRAMING IN ATTIC SPACES AND WHERE INDICATED. CONSTRUCTION PANELS PRE GALVANIZED EXTERIOR STEEL AND IRON RAILINGS, INCLUDING HARDWARE AFTER FABRICATION. A. STANDARDS: COMPLY WITH REQUIREMENTS OF DOC PS 1 VOLUNTARY PRODUCT STANDARD "CONSTRUCTION INDUSTRIAL PLYWOOD" FOR VENEER COMPLY WITH ICC AC-237

3. DO NOT QUENCH OR APPLY POST-GALVANIZING TREATMENTS THAT MIGHT INTERFERE WITH PAINT ADHESION. TRADEMARK FOR GRADE SPECIFIED PART 3 - EXECUTION INSTALLATION SPAN RATING TO SUIT FRAMING IN EACH LOCATION A. FIT EXPOSED CONNECTIONS TOGETHER TO FORM TIGHT, HAIRLINE JOINTS. B PERFORM CLITTING DRILLING AND FITTING REQUIRED FOR INSTALLING RAILINGS SET

RAILINGS ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION; MEASURED FROM ESTABLISHED LINES AND LEVELS AND FREE OF RACK MISCELLANEOUS LUMBER SET POSTS PLUMB WITHIN A TOLERANCE OF 1/16 INCH IN 3 FEET A. GENERAL: PROVIDE LUMBER FOR SUPPORT OR ATTACHMENT OF OTHER CONSTRUCTION INCLUDING ROOFTOP EQUIPMENT CURBS AND SUPPORT BASES, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS CONNECTIONS, AND ABRADED AREAS OF SHOP PAINT, AND PAINT EXPOSED AREAS WITH B. UNLESS NOTED OTHERWISE, INSTALL MINIMUM DOUBLE JACK BEARING STUDS

DIVISION 6 - WOOD, PLASTICS, AND B. ATTACH TO SUBSTRATES AS REQUIRED TO SUPPORT APPLIED LOADING. COUNTER SINK FABRICATOR QUALIFICATIONS: SHOP THAT PARTICIPATES IN A RECOGNIZED BOLTS AND NUTS FLUSH WITH SURFACES, UNLESS OTHERWISE INDICATED. BUILD INTO QUALITY-ASSURANCE PROGRAM THAT COMPLIES WITH QUALITY-CONTROL PROCEDURE COMPOSITES IN TPI 1 AND THAT INVOLVES THIRD-PARTY INSPECTION BY AN INDEPENDENT TESTING AND MASONRY DURING INSTALLATION OF MASONRY WORK. WHERE POSSIBLE, ANCHOR TO FORM WORK BEFORE CONCRETE PLACEMENT. INSPECTING AGENCY ACCEPTABLE TO ARCHITECT AND AUTHORITIES HAVING **ROUGH CARPENTRY** JURISDICTION AND IS CERTIFIED FOR CHAIN OF CUSTODY BY AN FSC-ACCREDITED CONSTRUCTION PANELS PART 1 - GENERAL CERTIFICATION BODY. A. COMPLY WITH APPLICABLE INSTALLATION RECOMMENDATIONS IN APA FORM E30 1.5 DELIVERY, STORAGE, AND HANDLING 1.1 RELATED DOCUMENTS DESIGN/CONSTRUCTION GUIDE - RESIDENTIAL AND COMMERCIAL A. HANDLE AND STORE TRUSSES TO COMPLY WITH RECOMMENDATIONS IN TPI BCSI, END OF SECTION 06 10 00 1.2 DELIVERY, STORAGE AND HANDLING INSTALLING. RESTRAINING. & BRACING METAL PLATE CONNECTED WOOD TRUSSES." PART 2 - PRODUCTS **SECTION 06 16 00** PERFORMANCE REQUIREMENTS PART 1 - GENERAL A. SEE STRUCTURAL DRAWINGS FOR TRUSS DESIGN LOADS AND DEFLECTION CRITERIA FROM ORIGINAL SPECIFICATION INFORMATION 1.1 SUMMARY B. DELEGATED DESIGN: ENGAGE A QUALIFIED PROFESSIONAL ENGINEER. AS DEFINED IN A. SECTION INCLUDES: SECTION 014000 "QUALITY REQUIREMENTS," TO DESIGN METAL-PLATE-CONNECTED WOOI WALL SHEATHING ROOF SHEATHING. C. STRUCTURAL PERFORMANCE: PROVIDE METAL-PLATE-CONNECTED WOOD TRUSSES CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS NDICATED. COMPLY WITH REQUIREMENTS IN TPI 1 UNLESS MORE STRINGENT PART 2 - PRODUCTS 1.2 ACTION SUBMITTALS REQUIREMENTS ARE SPECIFIED BELOW 2.1 LUMBER PRODUCTS A PRODUCT DATA: FOR EACH TYPE OF PROCESS AND FACTORY-FARRICATED PRODUCT DIMENSION LUMBER NDICATE COMPONENT MATERIALS AND DIMENSIONS AND INCLUDE CONSTRUCTION AND APPLICATION DETAILS. A. ALL LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF DOC PS 20. FURNISH LUMBER WITH EACH PIECE FACTORY-MARKED WITH GRADE STAMP OF INSPECTION AGENCY INCLUDE DATA FOR WOOD-PRESERVATIVE TREATMENT FROM CHEMICAL
TREATMENT MANUFACTURER AND CERTIFICATION BY TREATING PLANT THAT VERIFYING COMPLIANCE WITH GRADING RULE REQUIREMENTS AND IDENTIFYING GRADIN AGENCY, GRADE, SPECIES, MOISTURE CONTENT AND MILL TREATED PLYWOOD COMPLIES WITH REQUIREMENTS. B. PERMANENT BRACING: PROVIDE WOOD BRACING THAT COMPLIES WITH REQUIREMENTS INCLUDE DATA FOR FIRE-RETARDANT TREATMENT FROM CHEMICAL TREATMENT FOR MISCELLANEOUS LUMBER IN SECTION 06 10 00 "ROUGH CARPENTRY MANUFACTURER AND CERTIFICATION BY TREATING PLANT THAT TREATED PLYWOOD COMPLIES WITH REQUIREMENTS 2.3 METAL CONNECTOR PLATES A. USE GALVANIZED SHEET STEEL CONFORMING WITH ASTM A653, COATING CLASS G60 B. MANUFACTURER QUALIFICATIONS: A QUALIFIED MANUFACTURER THAT IS CERTIFIED FOR MANUFACTURE WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND CHAIN OF CUSTODY BY AN FSC-ACCREDITED CERTIFICATION BOD' B. THE TRUSS MANUFACTURER SHALL DESIGN, DETAIL, PROVIDE AND INSTALL ALL INTERNAL C. VENDOR QUALIFICATIONS: A VENDOR THAT IS CERTIFIED FOR CHAIN OF CUSTODY BY AN TRUSS COMPONENT CONNECTIONS. FASTENERS D. ALL STRUCTURAL LUMBER CONSTRUCTION SHALL CONFORM TO THE LATEST, ADOPTED EDITIONS OF THE STANDARDS AND MATERIAL SPECIFICATIONS REFERENCED HEREIN. A. FOR FASTENER SPECIFICATIONS. SEE 1.4 REFERENCE STANDARD A. NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE AMERICAN 2.5 FOREST & PAPER ASSOCIATION (AF & PA). PART 2 - PRODUCTS B. MOISTURE CONTENT: S-DRY, KD 19 OR MC 19 (19 PERCENT MAXIMUM MOISTURE 2.1 WOOD PANEL PRODUCTS C. GRADE: STRUCTURAL LUMBER: NO. 2 OR STANDARD GRADE. BOARDS: NO. 2, 2 A. GENERAL: ALL LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF DOC PS 20 FURNISH LUMBER WITH EACH PIECE FACTORY-MARKED WITH GRADE STAMP OF IDENTIFYING GRADING AGENCY, GRADE, SPECIES, MOISTURE CONTENT AND MILL. A. GENERAL: COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C20 B. ALL WOOD STRUCTURAL PANELS SHALL COMPLY WITH REQUIREMENTS OF DOC PS 1. DOC PS 2, HPVA HP I AND APA PDS. FACTORY-MARK ALL WOOD STRUCTURAL PANELS WITH A GRADING STAMP OF THE INSPECTION AGENCY. EMISSIONS: PRODUCTS SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS." WALL SHEATHING PLYWOOD AND APA PRP-108 "PERFORMANCE STANDARDS AND POLICIES FOR A. 15/32" (1/2" NOMINAL), APA RATED SHEATHING, 32/16, EXPOSURE 1 STRUCTURAL-USE PANELS" FOR PERFORMANCE-RATED PANELS. TRADEMARK PART 3 - EXECUTION 2.3 ROOF SHEATHING FURNISH CONSTRUCTION PANELS THAT ARE EACH FACTORY-MARKED WITH APA 3.1 INSTALLATION A. 19/32" (5/8" NOMINAL), APA RATED SHEATHING, 40/20, EXPOSURE 1, U.N.O. B. MISCELLANEOUS CONCEALED PANELS: APA-RATED SHEATHING, EXPOSURE 1, 2.4 FASTENERS A. FOR FASTENER SPECIFICATIONS. SEI C. ELECTRICAL/TELEPHONE BACKING PANELS: APA-RATED SHEATHING, EXPOSURE 1, FIRE-RETARDANT TREATED, THICKNESS AS INDICATED BUT NOT LESS THAN

PART 3 - EXECUTION

ASSEMBLY.

PART 1 - GENERAL

A. SECTION INCLUDES:

D. REFERENCE STANDARD

1.3 INFORMATIONAL SUBMITTALS

1.4 QUALITY ASSURANCE

A. PRODUCT CERTIFICATES.

ENGINEER.

METAL-PLATE CONNECTORS

METAL TRUSS ACCESSORIES.

FOR MANUFACTURE OF CONNECTOR PLATES.

WOOD ROOF TRUSSES

WOOD TRUSS BRACING

WOOD GIRDER TRUSSES.

METAL TRUSS ACCESSORIES

TYPE OF TRUSS REQUIRED

3.2 WOOD STRUCTURAL PANEL INSTALLATION

AND APPLICATIONS INDICATED.

WALL AND ROOF SHEATHING:

COORDINATE WALL AND ROOF SHEATHING INSTALLATION WITH FLASHING AND

A. GENERAL: COMPLY WITH APPLICABLE RECOMMENDATIONS IN APA FORM NO. E30.

MEMBERS AT EDGES OF WALL SHEATHING PANELS.

END OF SECTION 06 16 00

SHOP-FABRICATED WOOD TRUSSES SECTION 06 17 53

. ALLOWANCES: PROVIDE WOOD TRUSS BRACING UNDER THE METAL-PLATE-CONNECTED

C. ALL STRUCTURAL LUMBER CONSTRUCTION SHALL CONFORM TO THE LATEST, ADOPTED

EDITIONS OF THE STANDARDS AND MATERIAL SPECIFICATIONS REFERENCED HEREIN.

TRUSS BRACING ALLOWANCE AS SPECIFIED IN SECTION 012100 "ALLOWANCES."

1. NDS. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE

A. PRODUCT DATA: FOR METAL-PLATE CONNECTORS, METAL TRUSS ACCESSORIES, AND

SHOW LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH

INDICATE LOCATIONS, SIZES, AND MATERIALS FOR PERMANENT BRACING REQUIRED

TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.

4. INDICATE TYPE, SIZE, MATERIAL, FINISH, DESIGN VALUES, ORIENTATION, AND

LOCATION OF METAL CONNECTOR PLATES AND HANGER CONNECTOR TYPES

INDICATE ALL TEMPORARY AND PERMANENT BRACING REQUIREMENTS OF TRUSS

MEMBERS. IN AREAS WHERE TRUSS TOP CHORDS AND/OR BOTTOM CHORDS DO

NOT RECEIVE SHEATHING, INDICATE THE REQUIRED CHORD BRACING AND BRACE

SPACINGS FOR ALL APPLICABLE LOAD CASES. INDICATE ANCHORAGE OF "CAP"

SUBMIT TRUSS SHOP DRAWINGS WHICH EXHIBIT THE SEAL OF THE ENGINEER

INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA

A. METAL CONNECTOR-PLATE MANUFACTURER QUALIFICATIONS: A MANUFACTURER THAT IS

MANUFACTURER'S RESPONSIBILITIES INCLUDE PROVIDING PROFESSIONAL

2. ENGINEERING RESPONSIBILITY: PREPARATION OF SHOP DRAWINGS AND

ENGINEERING SERVICES NEEDED TO ASSUME ENGINEERING RESPONSIBILIT

OMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONA

A MEMBER OF TPI AND THAT COMPLIES WITH QUALITY-CONTROL PROCEDURES IN TPI 1

DELEGATED-DESIGN SUBMITTAL: FOR METAL-PLATE-CONNECTED WOOD TRUSSES

ENGINEER RESPONSIBLE FOR THEIR DESIGN AND PREPARATION.

B. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR TRUSSES.

AMERICAN FOREST & PAPER ASSOCIATION (AF & PA).

2. INDICATE SIZES, STRESS GRADES, AND SPECIES OF LUMBER.

TRUSSES AND/OR "OVERLAY" TRUSSES.

6. SHOW SPLICE DETAILS AND BEARING DETAILS.

RESPONSIBLE FOR THE TRUSS DESIGN.

B. EVALUATION REPORTS: FOR THE FOLLOWING, FROM ICC-ES

b. SPACE PANELS 1/8 INCH APART AT EDGES AND ENDS

MATCH SPACING OF STRUCTURAL SUPPORT ELEMENTS.

. FASTENING METHODS: FASTEN PANELS AS INDICATED BELOW:

JOINT-SEALANT INSTALLATION SO THESE MATERIALS ARE INSTALLED IN SEQUENCE AND

'ENGINEERED WOOD CONSTRUCTION GUIDE," FOR TYPES OF STRUCTURAL-USE PANELS

a. NAIL TO WOOD FRAMING. APPLY A CONTINUOUS BEAD OF GLUE TO FRAMING

E. DO NOT BRIDGE BUILDING EXPANSION JOINTS; CUT AND SPACE EDGES OF PANELS TO

A. THE TRUSS MANUFACTURER SHALL DESIGN AND DESIGNATE ALL TRUSS-TO-TRUSS HANGERS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRUSS-TO-TRUSS HANGERS IN ACCORDANCE WITH THE HANGER MANUFACTURER'S SPECIFICATIONS A. PROVIDE AND INSTALL TEMPORARY AND PERMANENT BRACING FOR PRE-ENGINEERED PRE-FABRICATED WOOD TRUSSES AS INDICATED ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWINGS. A. ASSEMBLE TRUSS MEMBERS IN DESIGN CONFIGURATION INDICATED; USE JIGS OR OTHER IEANS TO ENSURE UNIFORMITY AND ACCURACY OF ASSEMBLY WITH JOINTS CLOSEL FITTED TO COMPLY WITH TOLERANCES IN TPI 1, POSITION MEMBERS TO PRODUCE DESIGN 1. FABRICATE WOOD TRUSSES WITHIN MANUFACTURING TOLERANCES IN TPI 1 B. CONNECT TRUSS MEMBERS BY METAL CONNECTOR PLATES LOCATED AND SECURELY EMBEDDED SIMULTANEOUSLY IN BOTH SIDES OF WOOD MEMBERS BY AIR OR HYDRAULIC A. INSTALL WOOD TRUSSES ONLY AFTER SUPPORTING CONSTRUCTION IS IN PLACE AND IS BRACED AND SECURED B. IF TRUSSES ARE DELIVERED TO PROJECT SITE IN MORE THAN ONE PIECE, ASSEMBLE TRUSSES BEFORE INSTALLING C. HOIST TRUSSES IN PLACE BY LIFTING EQUIPMENT SUITED TO SIZES AND TYPES OF A. INSTALL STANDARD THREE-STUD CORNER CONSTRUCTION AT INSIDE AND OUTSID TRUSSES REQUIRED, EXERCISING CARE NOT TO DAMAGE TRUSS MEMBERS OR JOINTS B CORNERS, PROVIDING NAILING SURFACES FOR SHEATHING. INSTALL BLOCKING AS D. INSTALL AND BRACE TRUSSES ACCORDING TO TPI RECOMMENDATIONS AND AS KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE B. INSTALL ONE LAYER OF 1/2" THICK WOOD STRUCTURAL PANEL BETWEEN EACH MEMBER REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN . COPYRIGHT OF DIMENSIONAL LUMBER HEADERS. E. ANCHOR TRUSSES SECURELY AT BEARING POINTS: USE METAL TRUSS TIE-DOWNS OR C. TREAT ALL EXTERIOR LUMBER OR LUMBER IN CONTACT WITH CONCRETE OR MASONRY FLOOR TRUSS HANGERS AS APPLICABLE. INSTALL FASTENERS THROUGH EACH FASTENER INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL ANI HOLE IN METAL FRAMING ANCHORS ACCORDING TO MANUFACTURER'S FASTENING WITH PRESERVATIVE IN ACCORDANCE WITH AWPA. SCHEDULES AND WRITTEN INSTRUCTIONS. D. INSTALL WOOD STRUCTURAL PANEL WALL SHEATHING ON ALL EXTERIOR WALLS. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE F. SECURELY CONNECT EACH TRUSS PLY REQUIRED FOR FORMING BUILT-UP GIRDER PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAN KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWIN G. INSTALL AND FASTEN PERMANENT BRACING DURING TRUSS ERECTION AND BEFORE CONSTRUCTION LOADS ARE APPLIED. ANCHOR ENDS OF PERMANENT BRACING WHERE POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION" A. DO NOT USE MATERIALS WITH DEFECTS THAT IMPAIR QUALITY OF SHEATHING OR PIECES ERMINATING AT WALLS OR BEAMS. THAT ARE TOO SMALL TO USE WITH MINIMUM NUMBER OF JOINTS OR OPTIMUM JOINT RRANGEMENT. ARRANGE JOINTS SO THAT PIECES DO NOT SPAN BETWEEN FEWER THAN INSTALL BRACING TO COMPLY WITH SECTION 06 10 00 "ROUGH CARPENTRY THREE SUPPORT MEMBERS. 2. INSTALL AND FASTEN STRONGBACK BRACING VERTICALLY AGAINST VERTICAL WEB B. CUT PANELS AT PENETRATIONS, EDGES, AND OTHER OBSTRUCTIONS OF WORK: FIT OF PARALLEL-CHORD FLOOR TRUSSES AT CENTERS INDICATED. TIGHTLY AGAINST ABUTTING CONSTRUCTION UNLESS OTHERWISE INDICATED. H. INSTALL WOOD TRUSSES WITHIN INSTALLATION TOLERANCES IN TPI 1. C. SECURELY ATTACH TO SUBSTRATE BY FASTENING AS INDICATED, COMPLYING WITH THE DO NOT ALTER TRUSSES IN FIELD. DO NOT CUT, DRILL, NOTCH, OR REMOVE TRUSS NES NER-272 FOR POWER-DRIVEN FASTENERS . REPLACE WOOD TRUSSES THAT ARE DAMAGED OR DO NOT MEET REQUIREMENTS. 2. TABLE 2304.9.1, "FASTENING SCHEDULE," IN ICC'S "INTERNATIONAL BUILDING CODE TABLE R602.3(1), "FASTENER SCHEDULE FOR STRUCTURAL MEMBERS," AND FINISH CARPENTRY TABLE R602.3(2), "ALTERNATE ATTACHMENTS," IN ICC'S "INTERNATIONAL **SECTION 06 20 00** 15704 RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS. PART 1 - GENERAL

9.14.2023 Company Logo

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

HEALTH COMMENTS

DRAWINGS REVISED AS PER DESIGN BULLETIN

REVISIONS

8/01/2023

9/04/2023

9/12/2023

9/12/2023

PART 2 - PRODUCTS MATERIALS GENERAL: UNLESS OTHERWISE INDICATED, PROVIDE MATERIALS THAT COMPLY WITH THE CRITERIA SPECIFIED IN THIS SECTION. A. LUMBER: DOC PS 20 AND APPLICABLE GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY ALSC'S BOARD OF REVIEW.

A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION.

COVERINGS INCLUDING POLYETHYLENE AND SIMILAR MATERIALS.

THE SECTION WITH MINIMUM TEN YEARS DOCUMENTED EXPERIENCE

A. CONFORM TO APPLICABLE LOCAL CODE FOR FIRE RETARDANT REQUIREMENTS

B. FABRICATORS: MUST BE PRE-APPROVED BY THE ARCHITECT

A. DELIVERY AND STORAGE: KEEP MATERIALS UNDER COVER AND DRY. PROTECT AGAINS'

A. PERFORM WORK IN ACCORDANCE WITH AWI ARCHITECTURAL WOODWORK QUALITY

TANDARDS, PREMIUM GRADE AND WIC MANUAL OF MILLWORK, PREMIUM GRADE

C. FABRICATORS: COMPANY SPECIALIZING IN FABRICATING THE PRODUCTS SPECIFIED IN

EXPOSURE TO WEATHER AND CONTACT WITH DAMP OR WET SURFACES. STACK LUMBER

AS WELL AS PLYWOOD AND OTHER PANELS FLAT WITH SPACERS BETWEEN EACH BUNDL

ROVIDE FOR AIR CIRCULATION WITHIN AND AROUND STACKS AND UNDER TEMPORARY

1.1 RELATED DOCUMENTS

1.3 QUALITY ASSURANCE

1.4 REGULATORY REQUIREMENTS

1.2 DELIVERY, STORAGE AND HANDLING

B. SOFTWOOD PLYWOOD: DOC PS 1 C. HARDBOARD: AHA A135.4. D. MDF: ANSI A208.2. GRADE 130 E. PARTICLE BOARD: ANSI A208.1. GRADE M-2 EXTERIOR GLUE F. MELAMIME-FACED PARTICLEBOARD: PARTICLE BOARD COMPLYING WITH ANSI A208.1 GRADE M-2, FINISHED ON BOTH SIDES WITH THERMALLY FUSED, MELAMIME-IMPREGNATED

DECORATIVE PAPER COMPLYING WITH LMA SAT-1. 2.2 FIRE-RETARDANT-TREATED MATERIALS A. LUMBER: COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C20, INTERIOR TYPE A KILN DRY TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. B. PLYWOOD: COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C27, INTERIOR TYPE A

KILN DRY TO A MAXIMUM MOISTURE CONTENT OF 18 PERCENT. 2.3 LUMBER SIDING A. PROVIDE SIDING PER THIS SECTION, UNLESS OTHERWISE INDICATED. B. PROVIDE KILN-DRIED LUMBER SIDING COMPLYING WITH DOC PS 20, FACTORY COATED

WITH EXTERIOR ALKYD PRIMER, UNLESS OTHERWISE NOTED. C. SPECIES AND GRADE: WESTERN RED CEDAR, CLEAR HEART, AWI PREMIUM GRADE.

2.4 EXTERIOR STANDING AND RUNNING TRIM A. PROVIDE TRIM PER THIS SECTION, UNLESS OTHERWISE NOTED B. LUMBER TRIM

1. SPECIES AND GRADE: WESTERN RED CEDAR, CLEAR HEART, AWI PREMIUM GRADE. MAXIMUM MOISTURE CONTENT: 15 PERCENT FACE SURFACE: SURFACED (SMOOTH).

4. MATERIAL SUITABLE FOR TRANSPARENT FINISH FROM KILN-DRIED STOCK TO PATTERNS INCLUDED IN WMMPA WM 12.

C. MOLDINGS: WMMPA WM 4 P-GRADE WOOD MOLDINGS, WITHOUT FINGER JOINTING. MADE 1. SPECIES AND GRADE: WESTERN RED CEDAR, CLEAR HEART, AWI PREMIUM GRADE. 2. MAXIMUM MOISTURE CONTENT: 15 PERCENT

3. MATERIAL SUITABLE FOR TRANSPARENT FINISH D. MANUFACTURED POLYURETHANE TRIM: MOLDED HIGH DENSITY POLYURETHANE FOAM VITH INTERIM PROTECTIVE BARRIER COAT PRIMER, RESISTANT TO UV DEGRADATION. . AVAILABLE PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCT

THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, 2. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:

a. FYPON, LTD.: PROFILES AS INDICATED ON DRAWINGS b. APPROVED EQUAL

3. APPLY FINISH PAINT TO ALL EXPOSED SURFACES OF PRIME COATED MATERIALS INSTALLED ON EXTERIOR OF PROJECT E. CELLULAR PVC TRIM: EXTRUDED, EXPANDED PVC WITH SMALL CELL MICROSTRUCTURE, MADE FROM UV- AND HEAT-STABILIZED, RIGID MATERIAL

ARCHITECTURE • CIVIL ENGINEERING • MEP ENGINEERING 755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u>

> US 2112 PROTOTYPE 2112-21

1517 NC 24-87

ARCHITECTURAL SPECIFICATIONS

Checked SH JUNE 2023 Proiect No. Drawing No SP2 C22-129

AVAILABLE PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, **ISSUE TABLE** 2.3 VAPOR RETARDERS PART 3 EXECUTION F SLIVERING AND RASPING OF INSULATION BOARD SURFACE G. INSULATION THICKNESS PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT 1. MINIMUM EPS INSULATION THICKNESS IS 1 INCH (25 MM). 1. MAKE SURE INSULATION BOARDS ARE FULLY ADHERED TO THE SUBSTRATE A. POLYETHYLENE VAPOR RETARDER: ASTM D4397, 8 MILS THICK WITH MAXIMUM PERM 2. MAXIMUM EPS INSULATION THICKNESS IS 12 INCHES (305 MM), EXCEPT AS 3.1 ACCEPTABLE INSTALLERS BEFORE PROCEEDING TO STEPS 3.04 E2 AND 3.04 E3 BELOW. RATING OF 0.1 PERM. PROVIDE PRESSURE SENSITIVE TAPE OF TYPE RECOMMENDED NOTED BELOW FOR FIRE-RESISTANCE RATED WALL ASSEMBLIES PREQUALIFY UNDER QUALITY ASSURANCE REQUIREMENTS OF THIS SPECIFICATION 2. FILL ANY OPEN JOINTS IN THE INSULATION BOARD LAYER WITH SLIVERS OF PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE BY VAPOR-RETARDER MANUFACTURER FOR SEALING JOINTS AND PENETRATIONS (SECTION 1.06 B) NSULATION OR THE SPRAY FOAM ADHESIVE. 2.4 PROTECTION H. FIRE PROTECTION 3. RASP THE INSULATION BOARD SURFACE TO ACHIEVE A SMOOTH, EVEN a. PLY-TRIM, INC.; DURABOARD A. GENERAL: PROTECT INSTALLATION AND VAPOR RETARDERS FROM DAMAGE DUE TO 1. DO NOT USE EPS FOAM PLASTIC IN EXCESS OF 12 INCHES (305 MM) THICK ON SURFACE AND TO REMOVE ANY ULTRAVIOLET RAY DAMAG b. ROYAL MOULDINGS LIMITED; PRO SERIES EXTERIOR MOULDINGS. IARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TYPES I, II, III, OR IV CONSTRUCTION UNLESS APPROVED BY THE CODE A. INSPECT SHEATHING APPLICATION FOR COMPLIANCE WITH APPLICABLE TRIM, REVEALS AND PROJECTING AESTHETIC FEATURES TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION WILL BE SUBJECT TO REQUIREMENT AND INSTALLATION IN CONFORMANCE WITH SPECIFICATION AND 1. ATTACH FEATURES AND TRIM WHERE DESIGNATED ON DRAWINGS WITH c. VYCOM CORP.; AZEK MANUFACTURER REQUIREMENTS: ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION 2. WHERE A FIRE-RESISTANCE RATING IS REQUIRED BY CODE USE THE EIFS ADHESIVE TO A BASE LAYER OF INSULATION BOARD OR TO THE COATED OVER A RATED CONCRETE OR CONCRETE MASONRY ASSEMBLY. LIMIT USE OVER RATED FRAME ASSEMBLIES TO NON-LOAD BEARING ASSEMBLIES (THE IMMEDIATELY AFTER INSTALLATION. GLASS MAT FACED GYPSUM SHEATHING COMPLIANT WITH ASTM C 1177 DENSITY: NOT LESS THAN 31 LB/CU. FT. (500 KG/CU. M.) SHEATHING SURFACE. FILL ANY GAPS BETWEEN THE TRIM AND BASE LAYER 2. EXTERIOR GRADE AND EXPOSURE I WOOD BASED SHEATHING - APA OF INSULATION WITH SPRAY FOAM ADHESIVE AND RASP FLUSH WITH THE 4. HEAT DEFLECTION TEMPERATURE: NOT LESS THAN 130° F (54° C), PER ASTM D 648. PART 3 - EXECUTION EIFS IS CONSIDERED NOT TO ADD OR DETRACT FROM THE FIRE-RESISTANCE ENGINEERED WOOD ASSOCIATION E 30 TRIM SURFACE. SLOPE THE TOP SURFACE OF ALL TRIM/FEATURES MINIMUM OF THE RATED ASSEMBLY). MAXIMUM ALLOWABLE EPS THICKNESS: 4 INCHES 5. FLAME-SPREAD INDEX: 75 OR LESS, PER ASTM E 84. 3. CEMENTITIOUS SHEATHING - CONSULT MANUFACTURER 1:2 (27 $_{\square}$) and the bottom of all horizontal reveals minimum 1:2 (27 $_{\square}$ 4. ATTACHMENT INTO STRUCTURAL SUPPORTS WITH ADJOINING SHEETS 2. CUT REVEALS/AESTHETIC GROOVES WITH A HOT-KNIFE, ROUTER OR 2.5 INTERIOR STANDING AND RUNNING TRIM A. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS 3. REFER TO MANUFACTURER'S TESTING OR APPLICABLE CODE COMPLIANCE ABUTTED (GAPPED IF WOOD-BASED SHEATHING) AND FASTENERS AT SROOVE-TOOL IN LOCATIONS INDICATED ON DRAWINGS. FOR CONDITIONS OF INSTALLATION INDICATED REPORT FOR OTHER LIMITATIONS THAT MAY APPLY A. PROVIDE TRIM PER THIS SECTION, UNLESS OTHERWISE INDICATED. REQUIRED SPACING TO RESIST DESIGN WIND PRESSURES AS 3. OFFSET REVEALS/AESTHETIC GROOVES MINIMUM 3 INCHES (75 MM) FROM B. EXTEND INSULATION FULL THICKNESS OVER ENTIRE AREA TO BE INSULATED. CUT AND DETERMINED BY DESIGN PROFESSIONAL B. SOFTWOOD LUMBER TRIM: 1.5 PERFORMANCE REQUIREMENTS FIT TIGHTLY AROUND OBSTRUCTIONS. FILL ALL VOIDS. 5. FASTENERS SEATED FLUSH WITH SHEATHING SURFACE AND NOT 4. DO NOT LOCATE REVEALS/AESTHETIC GROOVES AT HIGH STRESS AREAS COMPLY WITH ASTM E 2570 (AIR/MOISTURE BARRIER) AND ASTM E 2568 (EIFS) SPECIES AND GRADE: EASTERN WHITE PINE; AWI PREMIUM GRADE. 5. ENSURE MINIMUM ¾ INCH (19 MM) THICKNESS OF INSULATION BOARD AT THE C. INSTALL INSULATION IN SINGLE LAYER OF REQUIRED THICKNESS. DO NOT INSTALL REPORT DEVIATIONS FROM THE REQUIREMENTS OF PROJECT SPECIFICATIONS OR BOTTOM OF THE REVEALS/AESTHETIC GROOVES. BROKEN RIGID BOARD PANELS OR TORN BLANKET INSULATION. MAXIMUM MOISTURE CONTENT: 15 PERCENT OTHER CONDITIONS THAT MIGHT ADVERSELY AFFECT THE AIR/MOISTURE BARRIEI D. PROVIDE INSULATION CONTINUOUS BEHIND ELECTRICAL BOXES, CONDUIT AND PIPING AND THE EIFS INSTALLATION TO THE GENERAL CONTRACTOR. DO NOT START WORK COMPLETION OF BACKWRAPPING 3. FACE SURFACE: SURFACED (SMOOTH). **REVISIONS** 1. COMPLETE THE BACKWRAPPING PROCEDURE BY APPLYING BASE COAT TO AT EXTERIOR WALLS. UNTIL DEVIATIONS ARE CORRECTED. A. MANUFACTURER REQUIREMENTS 4. MATERIAL SUITABLE TO RECEIVE TRANSPARENT FINISH XPOSED EDGES OF INSULATION BOARD AND APPROXIMATELY 4 INCHES (100 1. MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS ASSOCIATION E. INSTALL BLANKET TYPE INSULATION WITH TIGHT FITTING BUTT JOINTS. INSTALL FOIL MM) ONTO THE FACE OF THE INSULATION BOARD. PULL MESH TIGHT AROUND C. HARDWOOD LUMBER TRIM THE BOARD AND EMBED IT IN THE BASE COAT WITH A STAINLESS STEEL REMOVE SURFACE CONTAMINANTS GYPSUM SHEATHING 2. AIR/MOISTURE BARRIER AND EIFS MANUFACTURER FOR A MINIMUM OF THIRTY SUPPORT WHEN REQUIRED TO MAINTAIN INSULATION IN PERMANENT PROPER SPECIES AND GRADE: SELECT WHITE BIRCH, MILL CLEAR, AWI PREMIUM GRADE. TROWEL. USE A CORNER TROWEL FOR CLEAN, STRAIGHT LINES. SMOOTH REPAIR CRACKS, SPALLS OR DAMAGE IN CONCRETE AND CONCRETE MASONRY ANY WRINKLES OR GAPS IN THE MESH. 8/01/2023 MAXIMUM MOISTURE CONTENT: 9 PERCENT 3. MANUFACTURING FACILITIES ISO 9001:2008 CERTIFIED QUALITY SYSTEM AND SURFACES AND LEVEL CONCRETE AND MASONRY SURFACES TO COMPLY WITH F. INSTALL BLANKET TYPE INSULATION LOCATED NEAR BOTTOM CHORD OF ROOF TRUSS ACCESSORY INSTALLATION REQUIRED TOLERANCES ISO 14001:2004 CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM 3. FACE SURFACE: SURFACED (SMOOTH). OVER A WIRE MESH SUPPORT PLANE WHICH IS SECURED TO THE ROOF TRUSS APPLY CONDITIONER (CONSULT STO) BY SPRAY OR ROLLER TO CHALKING OR . CORNER BEAD: CUT THE CORNER BEAD ACCESSORY TO PROPER LENGTH AS MEMBER. INSTALL FOIL FACING VAPOR BARRIER EXPOSED TO THE INTERIOR. WIR NEEDED. USE FULL PIECES WHEREVER POSSIBLE AND AVOID USING SHOR 9/04/2023 4. MATERIAL SUITABLE TO RECEIVE TRANSPARENT FINISH EXCESSIVELY ABSORPTIVE SURFACES OR PRESSURE WASH TO REMOVE SURFACE MESH TO BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE BLANKET TYPE FILLER PIECES, OFFSET ACCESSORY BUTT JOINTS FROM SUBSTRATE JOINTS. 1. ENGAGED IN APPLICATION OF SIMILAR SYSTEMS FOR A MINIMUM OF THREE (3) INSULATION MANUFACTURER'S RECOMMENDATIONS. D. SOFTWOOD MOLDINGS: WMMPA WM 4, N-GRADE WOOD MOLDINGS. MAKE PATTERNS APPLY BASE COAT WITH A STAINLESS STEEL TROWEL TO AN APPROXIMATE REMOVE FASTENERS THAT ARE NOT ANCHORED INTO SUPPORTING CONSTRUCTION 9/12/2023 THICKNESS OF 1/8 INCH (3 MM) TO THE OUTSIDE CORNER AREA THAT WIL G. INSTALL FIRESTOPPING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S AND SEAL HOLES WITH AIR BARRIER MATERIAL 2. KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF STO MATERIALS ECEIVE THE ACCESSORY. IMMEDIATELY PLACE THE ACCESSORY DIRECT SEAL OVER-DRIVEN FASTENERS WITH AIR BARRIER MATERIAL AND INSTALI 1. SPECIES AND GRADE: EASTERN WHIT PINE; AWI PREMIUM GRADE INSTRUCTIONS TO MAINTAIN FIRE SEPARATIONS INDICATED. INSTALL FIRESTOPPIN 3. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE INTO THE WET BASE COAT MATERIAL, DO NOT SLIDE INTO PLACE, PRESS THE INSULATION OF PROPER SIZES AND THICKNESS' WITH BRACKETS OR SAFING CLIPS ADDITIONAL FASTENERS AS NEEDED TO COMPLY WITH FASTENER SPACING 9/12/2023 IN AIR/MOISTURE BARRIER AND EIFS APPLICATION, AND FAMILIAR WITH THE 2. MAXIMUM MOISTURE CONTENT: 15 PERCENT ACCESSORY INTO PLACE. A CORNER TROWEL IS BEST FOR THIS PURPOSE REQUIREMENTS OF THE SPECIFIED WORK EMBED AND COMPLETELY COVER THE MESH AND PVC BY TROWELING FROM FILL LARGE GAPS BETWEEN SHEATHING OR VOIDS AROUND PIPE, CONDUIT. ALL VOIDS. PROVIDE CONTINUITY OF FIRE SAFETY SYSTEMS AS INDICATED. 3. MATERIAL SUITABLE TO RECEIVE TRANSPARENT FINISH. HE CORNER TO THE EDGE OF THE MESH SO THAT NO MESH OR PVC COLOR 4. SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SCUPPER, AND SIMILAR PENETRATIONS WITH SPRAY FOAM AND SHAVE FLUSH WITH SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT S VISIBLE, AVOID EXCESS BUILD-UP OF BASE COAT AND FEATHER ALONG E. HARDWOOD MOLDINGS: WMMPA HWM 2, N-GRADE WOOD MOLDINGS. MAKE PATTERNS SURFACE (REFER TO STO DETAILS) MESH EDGES. ADJOIN SEPARATE PIECES BY ABUTTING PVC TO PVC AND END OF SECTION 07 21 00 INCLUDED IN WMMPA WM 12. 5. PROVIDE THE PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE REPLACE WEATHER-DAMAGED SHEATHING AND REPAIR OR REPLACE DAMAGED OR OVERLAPPING THE MESH "TAIL" FROM ONE PIECE ONTO THE NEXT PIECE 1. SPECIES AND GRADE: SELECT WHITE BIRCH, MILL CLEAR, AWI PREMIUM GRADE. CRACKED SHEATHING JLLY EMBED THE ACCESSORY AND MESH "TAIL" IN BASE COAT MATERIAL. SPECIFICATIONS AND DETAILS AND THE PROJECT PLANS AND SPECIFICATIONS DRAWINGS REVISED AS PER DESIGN BULLETIN EXTERIOR INSULATION AND SECTION 07 24 00 WHEN INSTALLING FIELD MESH REINFORCEMENT OVERLAP ACCESSORY MAXIMUM MOISTURE CONTENT: 9 PERCENT MESH AND PVC. REMOVE ANY EXCESS BASE COAT FROM THE OUTSIDE C. INSULATION BOARD MANUFACTURER REQUIREMENTS FINISH SYSTEMS 3. MATERIAL SUITABLE TO RECEIVE TRANSPARENT FINISH Date 1. EPS BOARD LISTED BY AN APPROVED AGENCY A. TRANSITION DETAILING 2. DRIP EDGE: INSTALL THE DRIP EDGE ACCESSORY PRIOR TO APPLICATION OF 1. DETAIL TRANSITION AREAS WITH STO RAPIDGUARD OR STOGUARD 2.6 SHEET MATERIALS PART 1 - GENERAL 2. EPS BOARD MANUFACTURED UNDER STO LICENSING AGREEMENT AN ELD MESH (PARAGRAPH 3.4.2 I5 BELOW). INSTALL WITH ARROW ON MESH RECOGNIZED BY STO AS BEING CAPABLE OF PRODUCING EPS INSULATION TRANSITION MEMBRANE TO ACHIEVE AIR BARRIER CONTINUITY. FOR A. PROVIDE SHEET MATERIAL PER THIS SECTION, UNLESS OTHERWISE INDICATED. POINTING UP, CUT THE ACCESSORY TO PROPER LENGTH AS NEEDED, USE ILLUSTRATIONS OF INSTALLATION, REFER TO STO GUIDE DETAILS AND STO PIECES WHEREVER POSSIBLE AND AVOID USING SHORT FILLER PIECES B. INTERIOR SOFTWOOD PLYWOOD: 3. EPS BOARD LABELED WITH INFORMATION REQUIRED BY STO, THE APPROVED RAPIDGUARD INSTALLATION GUIDE OR STOGUARD TRANSITION OFFSET ACCESSORY BUTT JOINTS FROM SUBSTRATE JOINTS, APPLY BASE A. PROVIDE AIR AND MOISTURE BARRIER, AND COMPATIBLE EIFS FOR VERTICAL ABOVE MEMBRANE INSTALLATION GUIDE (WWW.STOCORP.COM) LISTING AGENCY, AND THE APPLICABLE BUILDING CODE. SPECIES AND GRADE: DOUGLAS FIR, AWI PREMIUM GRADE GRADE EXTERIOR WALLS 1/8 INCH (3 MM) TO THE AREA THAT WILL RECEIVE THE ACCESSORY. B. ROUGH OPENING FACE SURFACE: SURFACED (SMOOTH) PLUGGED AND SANDED. D. MOCK-UP TESTING B. RELATED SECTIONS 1 STO GOLD FILL WITH STOGUARD MESH: APPLY 9 INCH (229 MM) WIDE 1. CONSTRUCT FULL-SCALE MOCK-UP OF TYPICAL AIR/MOISTURE BARRIER AND MATERIAL AND PRESS INTO PLACE, DO NOT SLIDE INTO PLACE, EMBED AND C. EXTERIOR MEDIUM DENSITY OVERLAY PLYWOOD 1. SECTION 06 16 00: SHEATHING EIFS/WINDOW WALL ASSEMBLY WITH SPECIFIED TOOLS AND MATERIALS AND 2. SECTION 07 62 00: SHEET METAL FLASHING AND TRIM FILL BY SPRAY OR TROWEL OVER THE MESH AND SPREAD WITH A TROWEL EDGE SCREED RAIL TO THE EDGE OF THE MESH, AVOID EXCESS BUILD-UP OF GRADE: PS 1-95 AWI PREMIUM VENEER GRADE ASE COAT, FEATHER ALONG MESH EDGES, AND REMOVE ANY EXCESS BASE 3. SECTION 08 11 00 METAL DOORS AND FRAMES ACCORDANCE WITH ASTM E 283, ASTM E 331 AND ASTM E 330, RESPECTIVELY 4. SECTION 08 41 13 ALUMINUM ENTRANCES AND STOREFRONT WINDOWS (REFER TO STO DETAIL 20,20M). COAT FROM THE DRIP EDGE NOSING. ABUT ADJOINING PIECES AND INSTALL TYPE OF GLUE: AS RECOMMENDED FOR APPLICATION REQUIREMENTS OF PROJECT SPECIFICATIONS. WHERE MOCK-UP IS TESTED AT OVERLAP ACCESSORY MESH 4 INCHES (10 CM) ON BOTH VERTICAL AND SHEATHING JOINT TREATMENT A. MANUFACTURER'S SPECIFICATIONS, DETAILS, INSTALLATION INSTRUCTIONS AND TESTED OFF-SITE ACCURATELY RECORD CONSTRUCTION DETAILING AND 1. STO GOLD FILL WITH STOGUARD MESH: PLACE 4 INCH (102 MM) WIDE MES PRODUCT DATA ONE SIDE ONLY AND EQUAL TO TOSENBERG MDO BY ROSEBURG FORREST BASE COAT FROM THE DRIP EDGE NOSING, ON VERTICAL AND HORIZONTAL QUENCING OF APPROVED MOCK-UP FOR REPLICATION DURING CENTERED ALONG SHEATHING JOINTS AND MINIMUM 9 INCH (229 MM) WIDE PRODUCTS. FURNISH FACTORY PRIMED (2) SIDES AND EDGES). B. MANUFACTURER'S CODE COMPLIANCE REPORT CONSTRUCTION. MESH CENTERED AND FOLDED AT INSIDE AND OUTSIDE CORNERS REMOVE ANY PROTRUDING FINISH FROM THE DRIP EDGE NOSING. IMMEDIATELY APPLY STO GOLD FILL BY SPRAY OR TROWEL AND SPREAD 2.7 MISCELLANEOUS MATERIALS C. MANUFACTURER'S STANDARD WARRANTY WITH A TROWEL TO CREATE A SMOOTH SURFACE THAT COMPLETELY BASE COAT AND REINFORCING MESH APPLICATION A. FOR FASTENER SPECIFICATIONS, SEE D. APPLICATOR'S INDUSTRY TRAINING CREDENTIALS 1. PROVIDE INDEPENDENT THIRD PARTY INSPECTION WHERE REQUIRED BY CODE COVERS THE MESH. 1. ENSURE THE INSULATION BOARD IS FIRMLY ADHERED AND FREE OF ROUGH CARPENTRY - SECTION 06 10 00 OR CONTRACT DOCUMENTS SURFACE CONTAMINATION OR UV DEGRADATION, AND IS THOROUGHLY E. SAMPLES FOR APPROVAL AS DIRECTED BY ARCHITECT OR OWNER AIR/MOISTURE BARRIER COATING INSTALLATION 2. CONDUCT INSPECTIONS IN ACCORDANCE WITH CODE REQUIREMENTS AND RASPED BEFORE COMMENCING THE BASE COAT APPLICATION. B. GLUE: ALIPHATIC-RESIN, POLYURETHANE, OR RESORCINOL WOOD GLUE PLYWOOD AND GYPSUM SHEATHING: APPLY WATERPROOF COATING BY F. SEALANT MANUFACTURER'S CERTIFICATE OF COMPLIANCE WITH ASTM C 1382 2. APPLY MINIMUM 9X12 INCH (225X300 MM) DIAGONAL STRIPS OF DETAIL MESH 1. USE WOOD GLUE THAT HAS A VOC CONTENT OF 30 G/L OR LESS WHEN CALCULATED AT CORNERS OF WINDOWS, DOORS, AND ALL PENETRATIONS THROUGH THI SYSTEM. EMBED THE STRIPS IN WET BASE COAT AND TROWEL FROM THE G. PREPARE AND SUBMIT PROJECT-SPECIFIC DETAILS (WHEN REQUIRED BY CONTRACT JOINT TREATMENT, ROUGH OPENING PROTECTION, AND TRANSITION ACCORDING TO 40 CRF 59, SUBPART D (EPA METHOD 24). 1.7 DELIVERY, STORAGE AND HANDLING DOCUMENTS) CENTER TO THE EDGES OF THE MESH TO AVOID WRINKLES. C. ACCESSORIES: DELIVER ALL MATERIALS IN THEIR ORIGINAL SEALED CONTAINERS BEARING GOLD COAT) OR 20 MILS IN ONE COAT (STO AIRSEAL), USE 1/2 INCH (13 MM 3. APPLY DETAIL MESH AT TRIM, REVEALS AND PROJECTING ARCHITECTURA MANUFACTURER'S NAME AND IDENTIFICATION OF PRODUC 1.3 REFERENCES LUMBER FOR SHIMMING, BLOCKING, AND MISCELLANEOUS USE: SOFTWOOD EATURES. EMBED THE MESH IN THE WET BASE COAT. TROWEL FROM THE MAT FACED GYPSUM SHEATHING. PROTECT FROM WEATHER UNTIL DRY. PROTECT COATINGS (PAIL PRODUCTS) FROM FREEZING AND TEMPERATURES IN UMBER OF DOUGLAS FIR, UTILITY GRADE SPECIES. SIZE AS REQUIRED FOR BASE OF REVEALS TO THE EDGES OF THE MESH. A. ASTM STANDARDS: EXCESS OF 90 ☐ F (32 ☐ C), STORE AWAY FROM DIRECT SUNLIGHT. CONDITION UNLESS SHOWN OTHERWISE. 4. ULTRA-HIGH IMPACT MESH APPLICATION (RECOMMENDED TO A MINIMUM PROTECT PORTLAND CEMENT BASED MATERIALS (BAG PRODUCTS) FROM THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE E. AIR /MOISTURE BARRIER CONNECTIONS AND SHINGLE LAPS HEIGHT OF 6'-0" [1.8 M] ABOVE FINISHED GRADE AT ALL AREAS ACCESSIBLE 2. PLASTIC EDGE TRIM: EXTRUDED CONVEX SHAPE: SMOOTH FINISH: SELF LOCKING ATSM C 578 SPECIFICATION FOR PREFORMED, CELLULAR POLYSTYRENE THERMAL MOISTURE AND HUMIDITY. STORE UNDER COVER OFF THE GROUND IN A DRY 1. COORDINATE INSTALLATION OF CONNECTING AIR BARRIER COMPONENTS TO PEDESTRIAN TRAFFIC AND OTHER AREAS EXPOSED TO ABNORMAL ATED TONGUE; WIDTH TO MATCH COMPONENT THICKNESS; COLOR AS REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR WITH OTHER TRADES TO PROVIDE A CONTINUOUS AIR TIGHT MEMBRANE TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN . COPYRIGHT SELECTED BY ARCHITECT ASTM C 1382 TEST METHOD FOR DETERMINING TENSILE ADHESION PROPERTIES OF 2. COORDINATE INSTALLATION OF FLASHING AND OTHER MOISTURE APPLY BASE COAT OVER THE INSULATION BOARD WITH A STAINLESS STEE SEALANTS WHEN USED IN EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) JOINTS 1.8 PROJECT/SITE CONDITIONS 3. PRIMER: ALKYD PRIMER SEALER TYPE. PRIME IN ACCORDANCE WITH PROTECTION COMPONENTS WITH OTHER TRADES TO ACHIEVE COMPLETE INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND MAINTAIN AMBIENT AND SURFACE TEMPERATURES ABOVE 40□F (4□C) DURING MANUFACTURER'S REQUIREMENT AND PER SECTION 09900 (PAINTING) MOISTURE PROTECTION SUCH THAT WATER IS DIRECTED TO THE WORK HORIZONTALLY OR VERTICALLY IN STRIPS OF 40 INCHES (1016 MM) ASTM E 84 TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING APPLICATION AND DRYING PERIOD, MINIMUM 24 HOURS AFTER APPLICATION OF EXTERIOR, NOT INTO THE WALL ASSEMBLY, AND DRAINED TO THI ND IMMEDIATELY EMBED THE MESH INTO THE WET BASE COAT BY 4. WOOD FILLER: OIL BASE, TINTED TO MATCH SURFACE FINISH COLOR. EXTERIOR AT SOURCES OF LEAKS (WINDOWS, DOORS AND SIMILAR TROWELING FROM THE CENTER TO THE EDGE OF THE MESH. BUTT THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE ASTM E 96 TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS PROVIDE SUPPLEMENTARY HEAT FOR INSTALLATION IN TEMPERATURES LESS THAN PENETRATIONS THROUGH THE WALL ASSEMBLY). ULTRA-HIGH IMPACT MESH AT SEAMS. ALLOW THE BASE COAT TO DR' PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAN ASTM E 119 METHOD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS STANDARD MESH APPLICATION: APPLY BASE COAT OVER THE INSULATION KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWING 3. SPLICE-IN HEAD FLASHINGS ABOVE WINDOWS, DOORS, FLOOR LINES, BHMA A156.9 AS FOLLOWS: ALL HARDWARE TO BE AS SHOWN ON DRAWINGS. IF c. PROVIDE PROTECTION OF SURROUNDING AREAS AND ADJACENT SURFACES FROM ASTM E 2134 TEST METHOD FOR EVALUATING THE TENSILE-ADHESION PERFORMANCE ROOF/SIDEWALL STEP FLASHING, AND SIMILAR LOCATIONS WITH BOARD, INCLUDING AREAS WITH ULTRA-HIGH IMPACT MESH, WITH A NOT SHOWN PROVIDE HARDWARE AS DIRECTED BY OWNER AND/OR AS REQUIRED APPLICATION OF PRODUCTS STAINLESS STEEL TROWEL TO A UNIFORM THICKNESS OF APPROXIMATELY 1/ POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION" STOGUARD DETAIL COMPONENT TO ACHIEVE SHINGLE LAP OF THE OF AN EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) FOR A COMPLETE INSTALLATION. ASTM E 2178 TEST METHOD FOR AIR PERMEANCE OF BUILDING MATERIALS AIR/MOISTURE BARRIER SUCH THAT WATER IS DIRECTED TO THE INCH (3 MM). WORK HORIZONTALLY OR VERTICALLY IN STRIPS OF 40 INCHES 016MM), AND IMMEDIATELY EMBED THE MESH INTO THE WET BASE COAT B E. FABRICATION: 1.9 COORDINATION/SCHEDULING ASTM E 2273 TEST METHOD FOR DETERMINING THE DRAINAGE EFFICIENCY OF PROVIDE SITE GRADING SUCH THAT THE EIFS TERMINATES ABOVE GRADE A MINIMUM ROWELING FROM THE CENTER TO THE EDGE OF THE MESH. OVERLAP MESH EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) CLAD WALL ASSEMBLIES FABRICATE TO AWI PREMIUM STANDARDS OT LESS THAN 2-1/2 INCHES (64 MM) AT MESH SEAMS AND AT OVERLAPS OF OF 6 INCHES (150 MM) OR AS REQUIRED BY CODE ASTM E 2357 STANDARD TEST METHOD FOR DETERMINING AIR LEAKAGE OF AIR DETAIL MESH. FEATHER SEAMS AND EDGES. DOUBLE WRAP ALL INSIDE AND 2. SHOP ASSEMBLE WORK FOR DELIVERY TO SITE, PERMITTING PASSAGE THROUGH COORDINATE INSTALLATION OF FOUNDATION WATERPROOFING, ROOFING MEMBRANE A. STARTER TRACK OUTSIDE CORNERS WITH MINIMUM 6 INCH (152 MM) OVERLAP IN EACH ASTM E 2485 STANDARD TEST METHOD FOR FREEZE/THAW RESISTANCE OF EXTERIOR I WINDOWS, DOORS AND OTHER WALL PENETRATIONS TO PROVIDE A CONTINUOUSLY DIRECTION (OPTIONAL IF CORNER BEAD ACCESSORY IS USED - SEE NOTE TO CONNECTED AIR AND MOISTURE BARRIER NSULATION AND FINISH SYSTEMS (EIFS) AND WATER RESISTIVE BARRIER COATINGS 3. FIT INTERIOR EXPOSED SHEET MATERIAL EDGES WITH PLASTIC EDGING WHERE ARAGRAPH 3.4.2 H1 ABOVE).AVOID WRINKLES IN THE MESH. THE MESH MUST 1. STRIKE A LEVEL LINE AT THE BASE OF THE WALL TO MARK WHERE THE PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING WINDOWS, DOORS, BE FULLY EMBEDDED SO THAT NO MESH COLOR SHOWS THROUGH THE BASI SHOWN (NEVER LEAVE IN FINISHED EDGE EXPOSED TO VIEW). B. BUILDING CODE STANDARDS OP OF THE STARTER TRACK TERMINATES AND OTHER PENETRATIONS THROUGH THE WALL COAT WHEN IT IS DRY. RE-SKIM WITH ADDITIONAL BASE COAT IF MESH COLOR 2. ATTACH THE STARTER TRACK EVEN WITH THE LINE INTO STRUCTURAL 4 WHEN NECESSARY TO CUT AND FIT ON SITE PROVIDE MATERIALS WITH AMPLE INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER WINDOWS AND SUPPORTS WITH THE PROPER FASTENER: TYPE S-12 CORROSION ALLOWANCE FOR CUTTING. PROVIDE TRIM FOR SCRIBING AND SITE CUTTING AC 235 ACCEPTANCE CRITERIA FOR EIFS CLAD DRAINAGE WALL ASSEMBLIES DOORS ARE INSTALLED 6. SLOPED SURFACES: FOR TRIM, REVEALS, AESTHETIC BANDS, CORNICE (NOVEMBER, 2009) INSTALL DIVERTER FLASHINGS WHEREVER WATER CAN ENTER THE WALL ASSEMBLY PROFILES SILLS OR OTHER ARCHITECTURAL FEATURES THAT PROJECT AND THREE THREAD PENETRATION, GALVANIZED OR ZINC COATED NAILS DIRECT WATER TO THE EXTERIOR BEYOND THE VERTICAL WALL PLANE MORE THAN 2 INCHES (51 MM) APPLY C. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS. INSTALL SPLICES OR TIE-INS FROM AIR/MOISTLIRE BARRIER OVER BACK LEG OF VATERPROOF BASE COAT WITH A STAINLESS STEEL TROWEL TO THE CORROSION RESISTANT CONCRETE OR MASONRY SCREWS WITH MINIMUM FLASHINGS, STARTER TRACKS, AND SIMILAR DETAILS TO FORM A SHINGLE LAP THAT SLOPED SURFACE AND MINIMUM FOUR INCHES (100 MM) ABOVE AND BELOW NFPA 268 STANDARD TEST METHOD FOR DETERMINING IGNITABILITY OF EXTERIOR 2. APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS. DIRECTS INCIDENTAL WATER TO THE EXTERIOR T. EMBED STANDARD MESH OR DETAIL MESH IN THE WATERPROOF BASE WALL ASSEMBLIES USING A RADIANT HEAT ENERGY SOURCE STUDS INTO BLOCKING AS NEEDED TO SECURE THE TRACK FLAT AGAINST ON ITEMS TO RECEIVE TRANSPARENT FINISHES. USE WOOD FILLER WHICH COAT AND OVERLAP MESH SEAMS A MINIMUM OF 2-1/2 INCHES (65 MM). INSTALL COPINGS AND SEALANT IMMEDIATELY AFTER INSTALLATION OF THE EIFS THE WALL SURFACE. ATTACH AT MAXIMUM 16 INCHES (406 MM) ON CENTE EPA 285 STANDARD METHOD OF TEST FOR THE EVALUATION OF MATCHES SURROUNDING SURFACES AND OF TYPES RECOMMENDED FOR APPLIED 7. ALLOW BASE COAT TO THOROUGHLY DRY BEFORE APPLYING PRIMER OR INTO FRAMING FOR SOLID WOOD SHEATHING OR CONCRETE/MASONR THE EIFS SURFACE, IT IS APPLIED AGAINST THE BASE COAT OR PRIMED BASE COAT SURFACES, ATTACH DIRECTLY AT 12 INCHES (305 MM) ON CENTER COMBUSTIBLE COMPONENTS USING THE INTERMEDIATE-SCALE, MULTISTORY TEST AVOID APPLICATION IN DIRECT SUNLIGHT 4. FINISH WORK IN ACCORDANCE WITH AWI AS SHOWN ON DRAWINGS AND AS 3. BUTT SECTIONS OF STARTER TRACK TOGETHER. MITER CUT OUTSIDE APPLY FINISH IN A CONTINUOUS APPLICATION, AND WORK TO AN DIRECTED BY OWNER D. OTHER REFERENCED DOCUMENTS RNERS AND ABUT. SNIP FRONT FLANGE OF ONE INSIDE CORNER PIECE a. STO GOLD FILL® - READY MIXED COATING APPLIED BY TROWEL OR KNIFE FOR ARCHITECTURAL BREAK IN THE WALL. AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS AATCC-127 PART 3 - EXECUTION WEATHER CONDITIONS AFFECT APPLICATION AND DRYING TIME HOT OR ROUGH OPENING PROTECTION OF FRAME WALLS AND JOINT TREATMENT OF (TO ALLOW EPS INSULATION BOARD TO BE SEATED INSIDE OF TRACK) AND WATER RESISTANCE: HYDROSTATIC PRESSURE TEST SHEATHING WHEN USED WITH STOGUARD MESH. ALSO USED AS A DETAIL DRY CONDITIONS LIMIT WORKING TIME AND ACCELERATE DRYING. 3.1 EXAMINATION COMPONENT WITH STOGUARD MESH TO SPLICE OVER BACK FLANGE OF STARTER a. POLYURETHANE SPRAY FOAM ADHESIVE (STO TURBOSTICK): APPLY ADJUSTMENTS IN THE SCHEDULING OF WORK MAY BE REQUIRED TO TRACK, FLASHING, AND SIMILAR SHIP LAP DETAILS 3. ICC-ES ESR-1233, STOGUARD WITH GOLD COAT, STOGUARD WITH ADHESIVE TO THE BACK OF THE INSULATION BOARD WITH THE ACHIEVE DESIRED RESULTS. COOL OR DAMP CONDITIONS EXTEN A. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK EMERALDCOAT, AND STOGUARD VAPORSEAL WATER-RESISTIVE BARRIERS DISPENSING PISTOL APPROXIMATELY 3/4 INCH (19 MM) FROM ENDS. APPLY WORKING TIME AND RETARD DRYING AND MAY REQUIRE ADDED Company Logo VERIFY ADEQUACY OF BACKING AND SUPPORT FRAMING 5 ADDITIONAL RIBBONS SPACED EQUALLY AT NO GREATER THAN 7 MEASURES OF PROTECTION AGAINST WIND, DUST, DIRT, RAIN AND SCHEDULE WORK SUCH THAT AIR/MOISTURE BARRIER IS EXPOSED TO WEATHER NO AND STOENERGY GUARD LONGER THAN 180 DAYS IF STO GOLD COAT IS USED, 90 DAYS IF STO AIRSEAL IS USED. INCHES (177 MM) APART BETWEEN THE END RIBBONS. APPLY UNIFORM FREEZING. ADJUST WORK SCHEDULE AND PROVIDE PROTECTION. C. VERIEV MECHANICAL ELECTRICAL AND BUILDING ITEMS AFFECTING WORK OF THIS 4. ICC-ES ESR-1748, STOTHERM® CI RIBBONS OF ADHESIVE PARALLEL WITH THE SHORT DIMENSION OF THE ATTACH PENETRATIONS THROUGH THE EIFS TO STRUCTURAL SUPPORT AND PROVIDE DO NOT INSTALL SEPARATE BATCHES OF FINISH SIDE-BY-SIDE. SECTION ARE PLACED AND READY TO RECEIVE THIS WORK BOARD SO THAT WHEN BOARDS ARE PLACED ON THE WALL THE RIBBONS. DO NOT APPLY FINISH INTO OR OVER SEALANT JOINTS. APPLY FINISH TO 1.4 DESIGN REQUIREMENT WATER TIGHT SEAL AT PENETRATIONS 3.2 INSTALLATION WILL BE VERTICAL. APPLY ADHESIVE RIBBONS APPROXIMATELY ½ INCH (51 MM) IN DIAMETER WHICH WILL EXPAND TO ¾ - 1 INCH (19 - 25 MM) DO NOT APPLY FINISH OVER IRREGULAR OR UNPREPARED SURFACES, OR SURFACES NOT IN COMPLIANCE WITH THE REQUIREMENTS OF THE A. INSTALL WORK IN ACCORDANCE WITH AWI PREMIUM QUALITY STANDARD. KEEP ADHESIVE ½ INCH (51 MM) SHORT OF BOARD EDGES. APPLY DESIGN FOR MAXIMUM ALLOWABLE SYSTEM DEFLECTION, NORMAL TO THE A. PROVIDE MANUFACTURER'S STANDARD WARRANTY ADHESIVE UNIFORMLY SO RIBBONS OF ADHESIVE DO NOT CONVERGE B. SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, PLUMB, AND LEVEL. PLANE OF THE WALL, OF L/240. ALLOW ADHESIVE TO "DWELL" AND BECOME "TACKY" BEFORE PLACING 2. DESIGN FOR WIND LOAD IN CONFORMANCE WITH CODE REQUIREMENTS. 8. DARK COLOURED FIES NOT TO BE INSTALLED IN DIRECT SUNLIGHT. C. CAREFULLY SCRIBE WORK ABUTTING OTHER COMPONENTS, WITH MAXIMUM GAPS OF BOARDS ON WALL ADHESIVE WILL LOOK SMOOTH, NOT JAGGED, WHEN 3. MAXIMUM WIND LOAD RESISTANCE: + 188 PSF (9.00 KPA), PROVIDED /32 INCH (1 MM). DO NOT USE ADDITIONAL OVERLAY TRIM TO CONCEAL LARGER GAPS READY TO APPLY TO WALL SURFACE. PLACE BOARDS WHILE ADHESIVE IS STRUCTURAL SUPPORTS AND SHEATHING/SHEATHING ATTACHMENT ARE "TACKY" AND BEFORE ADHESIVE "SKINS" PRIMER APPLICATION D. MITER 90 DEGREES EXTERIOR CORNERS OF MDO EXTERIOR PLYWOOD. ADEQUATE TO RESIST THESE PRESSURES. 2.1 MANUFACTURERS 4. INSTALL STARTER TRACK AT OTHER EIFS TERMINATIONS AS DESIGNATED . ENSURE THE BASE COAT SURFACE IS FREE OF SURFACE CONTAMINATION PROVIDE AIR/MOISTURE BARRIER AND EIFS COATINGS AND ACCESSORIES FROM 10755 SANDHILL ROAD, DALLAS, TEXAS 75238 ON DETAIL DRAWINGS: ABOVE ROOF ALONG DORMERS OR GABLE END E. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. BEFORE COMMENCING THE PRIMER APPLICATION SINGLE SOURCE MANUFACTURER OR APPROVED SUPPLIE TEL: 214-343-9400 <u>www.dimensiongrp.com</u> PREVENT THE ACCUMULATION OF WATER BEHIND THE EIFS OR INTO THE WALLS, AND BENEATH WINDOW SILLS WITH CONCEALED FLASHING (REFER F. SET EXPOSED FASTENERS. APPLY WOOD FILLER IN EXPOSED FASTENER INDENTATIONS. B. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS: 2. APPLY PRIMER EVENLY WITH BRUSH, ROLLER OR PROPER SPRAY TO STO DETAILS). WALL ASSEMBLY, EITHER BY CONDENSATION OR LEAKAGE THROUGH THE EQUIPMENT OVER THE CLEAN, DRY BASE COAT AND ALLOW TO DRY SAND WORK SMOOTH. 1. STO CORP. - AIR/MOISTURE BARRIER, EIFS 5. DETAIL SPLICE STRIPS FOR STARTER TRACK, FLASHING AT FLOOR LINES, WALL CONSTRUCTION, IN THE DESIGN AND DETAILING OF THE WALL HOROUGHLY BEFORE APPLYING FINISH 2. PLASTIC COMPONENTS, INC. - EIFS ACCESSORIES 3.3 ERECTION TOLERANCES HEAD OF WINDOWS AND DOORS 6. STARTER TRACK, WINDOW/DOOR HEAD FLASHING, FLOOR LINE FLASHING, a. PROVIDE FLASHING TO DIRECT WATER TO THE EXTERIOR WHERE IT IS LIKELY FINISH COAT APPLICATION A MAXIMUM VARIATION FROM TRUE POSITION: 1/16 INCH (1.5 MM) TO PENETRATE COMPONENTS IN THE WALL ASSEMBLY, INCLUDING, ABOVE ID ROOF/SIDE WALL STEP FLASHING: INSTALL MINIMUM 4 INCH (100 MM) 1 ENSURE THE BASE COAT SURFACE OR PRIMED BASE COAT IS FREE OF B. MAXIMUM OFFSET FROM TRUE ALIGNMENT WITH ABUTTING MATERIALS: 1/32 INCH WIDE DETAIL COMPONENT OVER BACK FLANGE OF STARTER TRACK, WINDOW AND DOOR HEADS, BENEATH WINDOW AND DOOR SILLS, AT SURFACE CONTAMINATION BEFORE COMMENCING THE FINISH APPLICATION. ROOF/WALL INTERSECTIONS, DECKS, ABUTMENTS OF LOWER WALLS WITH REFER TO FLUID APPLIED MEMBRANE AIR BARRIERS SECTION 07 27 26 FLOOR LINE FLASHING, HEAD FLASHING, AND ROOF/SIDE WALL STEP 2 APPLY FINISH DIRECTLY OVER THE BASE COAT OR PRIMED BASE COAT WHEN HIGHER WALLS, ABOVE PROJECTING FEATURES, AT FLOOR LINES, AND AT FLASHING, CENTER THE DETAIL COMPONENT SO IT SPANS EVENLY DRY, APPLY FINISH BY SPRAY OR STAINLESS STEEL TROWEL, DEPENDING ON END OF SECTION 06 20 00 BETWEEN THE BACK LEG OF FLASHING (OR ACCESSORY) AND THE COATED SHEATHING. MAKE A SMOOTH TRANSITION TO THE COATED THE BASE OF THE WALI THE FINISH SPECIFIED. FOLLOW THESE GENERAL RULES FOR APPLICATION h AIR LEAKAGE PREVENTION - PROVIDE CONTINUITY OF THE AIR BARRIER A. STO TURBOSTICK™ - ONE COMPONENT POLYURETHANE SPRAY FOAM ADHESIVE SYSTEM AT FOUNDATION, ROOF, WINDOWS, DOORS, AND OTHER SHEATHING WITH A TROWEL, KNIFE, OR ROLLER, DEPENDING ON THE **DIVISION 7 - THERMAL & MOISTURE** DETAIL COMPONENT MATERIAL BEING USED. WHEN STO GOLD FILL WITH PENETRATIONS THROUGH THE WALL WITH CONNECTING AND COMPATIBLE 2.4 INSULATION BOARD TOGUARD MESH IS THE DETAIL COMPONENT APPLY ANOTHER COAT OF AIR BARRIER COMPONENTS TO MINIMIZE CONDENSATION AND LEAKAGE A. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR PROTECTION STO EPS INSULATION BOARD: NOMINAL 1.0 LB/FT3 (16 KG/M3) EXPANDED THE WATERPROOF COATING OVER THE DETAIL AREA. DO NOT LEAVE CAUSED BY AIR MOVEMENT. POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM E 2430 AND ASTM DETAIL COMPONENTS EXPOSED FOR MORE THAN 30 DAYS. VAPOR DIFFUSION AND CONDENSATION - PERFORM A DEW POINT ANALYSIS THERMAL INSULATION PROVIDE PROTECTION OF INSTALLED MATERIALS FROM DUST, DIRT, PRECIPITATION. C 578 TYPE I REQUIREMENTS AND LISTED, LABELED, AND FURNISHED IN ACCORDANCE AND/OR DYNAMIC HYGROTHERMAL MODELING OF THE WALL ASSEMBLY TO BACKWRAPPING FREEZING AND CONTINUOUS HIGH HUMIDITY UNTIL THEY ARE FULLY DRY PART 1 - GENERAL DETERMINE THE POTENTIAL FOR ACCUMULATION OF MOISTURE IN THE WALL 1. APPLY A STRIP OF DETAIL MESH TO THE DRY AIR/MOISTURE BARRIER AT ASSEMBLY BY DIFFUSION. ADJUST INSULATION THICKNESS AND/OR OTHER ALL SYSTEM TERMINATIONS (WINDOWS, DOORS, EXPANSION JOINTS, ETC 1.1 RELATED DOCUMENTS WALL ASSEMBLY COMPONENTS ACCORDINGLY TO MINIMIZE RISK, AVOID THE 2.5 BASE COAT. 3.6 CLEANING, REPAIR AND MAINTENANCE EXCEPT WHERE THE STARTER TRACK IS INSTALLED. THE MESH MUST BE USE OF VAPOR RETARDERS ON THE INTERIOR SIDE OF THE WALL IN WARM, B. CEMENTITIOUS BASE COAT A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. CLEAN AND MAINTAIN THE EIFS FOR A FRESH APPEARANCE AND TO PREVENT WATER WIDE ENOUGH TO ADHERE APPROXIMATELY 4 INCHES (100 MM) OF MESH 1. STO BTS PLUS - FACTORY BLENDED ONE COMPONENT POLYMER MODIFIED ONTO THE WALL BE ABLE TO WRAP AROUND THE INSULATION BOARD. NTRY INTO AND BEHIND THE SYSTEM. REPAIR CRACKS, IMPACT DAMAGE, SPALLS OR 1.2 QUALITY ASSURANCE PORTLAND CEMENT BASED HIGH BUILD BASE COAT. ALSO USED AS A LEVELER EDGE AND COVER A MINIMUM OF 2 1/2 INCHES (64 MM) ON THE OUTSIDE PROVIDE 2 LAYERS OF STO MESH TO A MINIMUM HEIGHT OF 2'-0" ABOVE DELAMINATION PROMPTLY. FOR CONCRETE AND MASONRY SURFACES SURFACE OF THE INSULATION BOARD, ATTACH MESH STRIPS TO THE A. SINGLE-SOURCE RESPONSIBILITY FOR INSULATION PRODUCTS: OBTAIN EACH TYPE OF GRADE AT ENTIRE BUILDING PERIMETER. MAINTAIN ADJACENT COMPONENTS OF CONSTRUCTION SUCH AS SEALANTS, WINDOWS. BUILDING INSULATION FROM A SINGLE SOURCE WITH RESOURCES TO PROVIDE CONSISTENT QUALITY IN APPEARANCE AND PHYSICAL PROPERTIES WITHOUT DELAYING AIR/MOISTURE BARRIER AND ALLOW THEM TO DANGLE UNTIL THE DOORS, AND FLASHING, TO PREVENT WATER ENTRY INTO OR BEHIND THE EIFS AND BACKWRAP PROCEDURE IS COMPLETED (PARAGRAPH 3.04 G1) 2.6 REINFORCING MESHES ANYWHERE INTO THE WALL ASSEMBLY PROVIDE MINIMUM 3/4 INCH (19 MM) WIDE JOINTS IN THE EIFS WHERE THEY ALTERNATIVELY, PRE-WRAP TERMINATING EDGES OF INSULATION BOARD REFER TO STO RESTORE REPAIR AND MAINTENANCE GUIDE (RESTORE PROGRAM) FOR EXIST IN THE SUBSTRATE OR SUPPORTING CONSTRUCTION, WHERE THE 1. STO MESH - NOMINAL 4.5 OZ/YD2 (153 G/M2), SYMMETRICAL, INTERLACED ADHESIVE APPLICATION AND INSTALLATION OF INSULATION BOARD 1.3 DELIVERY, STORAGE AND HANDLING CLADDING ADJOINS DISSIMILAR CONSTRUCTION OR MATERIALS. AT DETAILED INFORMATION ON RESTORATION - CLEANING, REPAIRS, RECOATING. OPEN-WEAVE GLASS FIBER FABRIC MADE WITH ALKALINE RESISTANT COATING FOR . ENSURE THE AIR/MOISTURE BARRIER SURFACE (STO GOLD COAT) IS FREE GES IN BUILDING HEIGHT, AT EXPANSION, CONTROL, AND COLD JOINTS RESURFACING AND REFINISHING, OR RE-CLADDING A. PROTECT INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY MOISTURE, SOILING, AND OTHER SOURCES. STORE INSIDE AND IN A DRY LOCATION. COMPATIBILITY WITH STO MATERIALS OF SURFACE CONTAMINATION, INSTALL THE INSULATION BOARD WITHIN 30 IN CONSTRUCTION, AND AT FLOOR LINES IN MULTI-LEVEL WOOD FRAME DAYS OF THE APPLICATION OF THE AIR/MOISTURE BARRIER COATING (STO CONSTRUCTION. SIZE JOINTS TO CORRESPOND WITH ANTICIPATED COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR HANDLING, STORAGE, AND GOLD COAT), OR CLEAN THE SURFACE AND RECOAT WITH STO GOLD END OF SECTION 07 24 00 MOVEMENT, ALIGN TERMINATING EDGES OF EIFS WITH JOINT EDGES OF PROTECTION DURING INSTALLATION JGH WALL EXPANSION JOINTS AND SIMILAR JOINTS IN CONSTRUCTION. A. STOPRIME SAND - ACRYLIC BASED TINTABLE PRIMER WITH SAND FOR ROLLER US 2112 PROTOTYPE 2. RASP THE INTERIOR LOWER FACE OF INSULATION BOARDS TO PROVIDE A B. PROTECT PLASTIC INSULATION AS FOLLOWS: DO NOT EXPOSE TO SUNLIGHT, EXCEPT REFER TO STO DETAILS. APPLICATION SNUG FRICTION FIT INTO THE STARTER TRACK. (NOTE: RASPING O EXTENT NECESSARY FOR PERIOD OF INSTALLATION AND CONCEALMENT. PROT 2. PROVIDE MINIMUM 1/2 INCH (13 MM) WIDE PERIMETER SEALANT JOINTS AT PREVENTS AN OUTWARD BOW AT THE STARTER TRACK). AGAINST IGNITION AT ALL TIMES. DO NOT DELIVER PLASTIC INSULATING MATERIALS TO LL PENETRATIONS THROUGH THE EIFS (WINDOWS, DOORS, MECHANICAL, 3. USE EITHER POLYURETHANE SPRAY FOAM ADHESIVE (STO TURBOSTICK) PROJECT SITE AHEAD OF INSTALLATION TIME. COMPLETE INSTALLATION AND ELECTRICAL, AND PLUMBING PENETRATIONS, ETC.). A. STOLIT® LOTUSAN® - ACRYLIC BASED TEXTURED WALL FINISH WITH GRADED MARBLE Location CONCEALMENT OF PLASTIC MATERIALS AS RAPIDLY AS POSSIBLE IN EACH AREA OF 3. PROVIDE COMPATIBLE BACKER ROD AND SEALANT THAT HAS BEEN OR CEMENTITOUS ADHESIVE: AGGREGATE AND SELF-CLEANING PROPERTIES CEMENTITIOUS ADHESIVE: APPLY ADHESIVE TO THE BACK OF THE INSULATION CONSTRUCTION. EVALUATED IN ACCORDANCE WITH ASTM C 1382, AND THAT MEETS MINIMUM BOARD WITH THE PROPER SIZE (1/2 X 1/2 X 2 INCH [13 X 13 X 51 MM]) STAINLESS 50% ELONGATION AFTER CONDITIONING. PART 2 - PRODUCTS 2.9 JOB MIXED INGREDIENTS STEEL NOTCHED TROWEL. APPLY UNIFORM RIBBONS OF ADHESIVE PARALLEL 4. 2.PROVIDE JOINTS SO THAT AIR BARRIER CONTINUITY IS MAINTAINED 1517 NC 24-87 A. WATER - CLEAN AND POTABLE WITH THE SHORT DIMENSION OF THE BOARD SO THAT WHEN BOARDS ARE ACROSS THE JOINT, AND DRAIN JOINTS TO THE EXTERIOR, OR PROVIDE 2.1 MANUFACTURERS PORTLAND CEMENT - TYPE I, TYPE II, OR TYPE I-II IN CONFORMANCE WITH ASTM C 150 PLACED ON THE WALL THE RIBBONS WILL BE VERTICAL. APPLY ADHESIVE OTHER MEANS TO PREVENT OR CONTROL WATER INFILTRATION AT JOINTS A. EXTRUDED POLYSTYRENE BOARD INSULATION: OWENS CORNING OR DOW CHEMICAL UNIFORMLY SO RIBBONS OF ADHESIVE DO NOT CONVERGE. IMMEDIATELY PLACE INSULATION BOARDS IN A RUNNING BOND PATTERN ON THE WALL WITH COMPANY OR DIVERSIFOAM PRODUCTS THE LONG DIMENSION HORIZONTAL. START BY INSERTING THE LOWER EDGE A STARTER TRACK - RIGID PVC (POLYVINYL CHLORIDE) PLASTIC TRACK PART NO. STDE AS B. BATT INSULATION: OWENS CORNING OR JOHNS MANVILLE INTERNATIONAL, INC. OR OF THE BOARDS INSIDE THE STARTER TRACK AT THE BASE OF THE WALL UNTIL 1. PROVIDE MINIMUM 6 INCH (152 MM) CLEARANCE ABOVE GRADE OR AS SHED BY PLASTIC COMPONENTS, INC., 9051 NW 97TH TERRACE, MIAMI, FL 33178 CERTAINTEED PRODUCTS CORPORATION. THEY CONTACT THE BOTTOM OF THE TRACK, APPLY FIRM PRESSURE OVER THE ENTIRE SURFACE OF THE BOARDS TO ENSURE UNIFORM CONTACT OF 2.2 INSULATING MATERIALS B. STO-MESH CORNER BEAD STANDARD - ONE COMPONENT PVC (POLYVINYL CHLORIDE) PLACE INSULATION BOARDS IN A RUNNING BOND PATTERN ON THE WALL WITH F. TRIM, PROJECTING ARCHITECTURAL FEATURES AND REVEALS CCESSORY WITH INTEGRAL REINFORCING MESH FOR OUTSIDE CORNE THE LONG DIMENSION HORIZONTAL. START BY INSERTING THE LOWER EDGE A. GENERAL: PROVIDE INSULATING MATERIALS AS SCHEDULED IN THE DRAWINGS, THAT REINFORCEMENT. COMPLY WITH REQUIREMENTS AND WITH REFERENCED STANDARDS. PREFORMED UNITS: SIZES TO FIT APPLICATIONS INDICATED, SELECTED FROM MANUFACTURER'S OF THE BOARDS INSIDE THE STARTER TRACK AT THE BASE OF THE WALL LINTIL c. STO DRIP EDGE PROFILE - ONE COMPONENT PVC (POLYVINYL CHLORIDE) ACCESSORY 1. ALL TRIM AND PROJECTING ARCHITECTURAL FEATURES MUST HAVE A THEY CONTACT THE BOTTOM OF THE TRACK. APPLY LIGHT PRESSURE WHEN VITH INTEGRAL REINFORCING MESH THAT CREATES A DRIP EDGE AND PLASTER PLACING THE BOARDS. AFTER BOARDS HAVE BEEN IN PLACE FOR 5-10 MINUTES USE A STRAIGHT EDGE TO LIGHTLY PRESS THE BOARDS INWARD AND MINIMUM 1:2 [27°] SLOPE ALONG THEIR TOP SURFACE. ALL REVEALS MUST TANDARD THICKNESS, WIDTHS AND LENGTHS ARCHITECTURAL HAVE MINIMUM ½ INCH (19 MM) INSULATION THICKNESS AT THE BOTTOM OF THE REVEAL. ALL HORIZONTAL REVEALS MUST HAVE A MINIMUM 1:2 [27 \Box] B. EXTRUDED POLYSTYRENE BOARD INSULATION: RIGID, CELLULAR POLYSTYRENE O KEEP BOARD JOINTS FLUSH, AS POST EXPANSION OF THE ADHESIVE MAY THERMAL INSULATION WITH CLOSED-CELLS AND INTEGRAL HIGH DENSITY SKIN, FORMED SLOPE ALONG THEIR BOTTOM SURFACE. INCREASE SLOPE FOR NORTHERN FORCE BOARDS SLIGHTLY OUTWARD. BY THE EXPANSION OF POLYSTYRENE BASE RESIN IN AN EXTRUSION PROCESS TO **SPECIFICATIONS** CLIMATES TO PREVENT ACCUMULATION OF ICE/SNOW AND WATER ON A. STO GOLD COAT - MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM 4. BRIDGE SHEATHING JOINTS BY A MINIMUM OF 6 INCHES (152 MM). SURFACE. WHERE TRIM/FEATURE OR BOTTOM SURFACE OF REVEAL PROJECTS MORE THAN 2 INCHES (51 MM) FROM THE FACE OF THE EIFS WALL COMPLY WITH ASTM C 578 FOR TYPE INDICATED; WITH 5-YEAR AGED R-VALUES OF 5.4 INTERLOCK INSIDE AND OUTSIDE CORNERS. AND 5 AT 40 AND 75 DEG F (4.4 AND 23.9 DEG C), RESPECTIVELY; AND TYPE IV, 1.6-PCF B. STO BTS PLUS - MIX RATIO WITH WATER: 5-6.5 QUARTS (4.7-6.2 L) OF WATER PER 47 5. BUTT ALL BOARD JOINTS TIGHTLY TOGETHER TO ELIMINATE ANY THERMAL MIN. DENSITY, UNLESS OTHERWISE INDICATED. SURFACE BURNING CHARACTERISTICS: PLANE, PROTECT THE TOP SURFACE WITH WATERPROOF BASE COAT. OUND (21.3 KG) BAG OF STO BTS PLUS. POUR WATER INTO A CLEAN MIXING PA BREAKS. CARE MUST BE TAKEN TO PREVENT ANY ADHESIVE FROM MAXIMUM FLAME SPREAD AND SMOKE DEVELOPMENT VALUES OF 75 AND 450, PERIODIC INSPECTIONS AND INCREASED MAINTENANCE MAY BE REQUIRED ADD STO BTS PLUS, MIX TO A UNIFORM CONSISTENCY AND ALLOW TO SET FOR GETTING BETWEEN THE JOINTS OF THE BOARDS. RESPECTIVELY. FOR EXPOSED INSULATION FLAME SPREAD SHALL NOT EXCEED 25. TO MAINTAIN SURFACE INTEGRITY OF THE EIFS FINISH ON WEATHER APPROXIMATELY 5 MINUTES. ADJUST MIX IF NECESSARY WITH ADDITIONAL STO BTS PLUS OR WATER AND REMIX TO A UNIFORM TROWEL CONSISTENCY. AVOID 6. CUT INSULATION BOARD IN AN L-SHAPED PATTERN TO FIT AROUND EXPOSED SLOPED SURFACES. LIMIT PROJECTING FEATURES TO EASILY C. BATT INSULATION: GLASS FIBER BLANKET TYPE INSULATION: TYPE III. DPENINGS. DO NOT ALIGN BOARD JOINTS WITH CORNERS OF OPENINGS. ACCESSIBLE AREAS AND LIMIT TOTAL AREA TO FACILITATE AND MINIMIZE RETEMPERING. KEEP MIX RATIO CONSISTENT. DO NOT EXCEED MAXIMUM WATER FOIL-SCRIM-KRAFT LAMINATE FACED, CLASS A, ASTM C665 AND FLAME SPREAD OF 25 OR 7. CHECK FOR SATISFACTORY CONTACT OF THE INSULATION BOARD WITH MAINTENANCE. REFER TO STO DETAILS. SH LESS AND SMOKE DEVELOPMENT OF 50 OR LESS. MANUFACTURER'S STAN AMOUNT IN MIX RATIO. THE SUBSTRATE. IF ANY BOARDS HAVE LOOSE AREAS USE THE SPRAY 2. DO NOT USE THE EIFS ON WEATHER EXPOSED PROJECTING LEDGES, SILLS, c. STOLIT LOTUSAN - MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM LENGTHS AND WIDTHS REQUIRED TO COORDINATE WITH SPACES INSULATED. FOAM ADHESIVE DISPENSING PISTOL TO CREATE A HOLE THROUGH TH OR OTHER PROJECTING FEATURES UNLESS SUPPORTED BY FRAMING OR CONSISTENCY. A SMALL AMOUNT OF WATER MAY BE ADDED TO ADJUST WORKABILITY LIMIT ADDITION OF WATER TO AMOUNT NEEDED TO ACHIEVE THE FINISH TEXTURE. BOARD AND INJECT ADHESIVE TO ATTACH THE LOOSE AREA. ALLOW THE D. MINERAL FIBER FIRESTOPPING INSULATION: UNITED STATES GYPSUM CO. OTHER STRUCTURAL SUPPORT AND PROTECTED WITH METAL COPING OR ADHESIVE TO EXPAND TO THE OUTER FACE OF THE BOARD WHILE "THERMAFIBER SAFING INSULATION" OR AN APPROVED EQUAL, TYPE 1 UNFACED. FLASHING, REFER TO STO DETAIL 10.61. D. MIX ONLY AS MUCH MATERIAL AS CAN READILY BE USED WITHDRAWING THE PISTOL. CUT EXCESS ADHESIVE FLUSH WITH THE MANUFACTURER'S STANDARD LENGTHS, WIDTHS AND THICKNESS. PROVIDE DO NOT USE ANTI-FREEZE COMPOUNDS OR OTHER ADDITIVES SURFACE OF THE INSULATION DO NOT USE NAILS SCREWS OR ANY MANUFACTURER'S STANDARD IMPALING STYLE GALVANIZED STEEL SAFING INSULATION OTHER TYPE OF NON-THERMAL MECHANICAL FASTENER. CLIPS AND BRACKETS. Project No. MATERIALS SHALL BE RATED NON-COMBUSTIBLE AS DEFINED BY NFPA WHEN TESTED IN ACCORDANCE WITH ASTM E136. C22-129

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

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HEALTH COMMENTS

9.14.2023

2112-21

Checked

Drawing No

JUNE 2023

FLUID APPLIED MEMBRANE AIR BARRIER

PART 1 - GENERAL

1 SUMMARY

.2 DEFINITIONS

- SECTION INCLUDES MATERIALS AND INSTALLATION OF VAPOR PERMEABLE FLUID APPLIED AIR AND MOISTURE BARRIER MEMBRANE OVER VERTICAL ABOVE GRADE CONCRETE WALLS, CONCRETE MASONRY WALLS, AND WALL SHEATHING.
- RELATED SECTIONS INCLUDE THE FOLLOWING:
- A. AIR BARRIER MATERIAL: A PRIMARY ELEMENT THAT PROVIDES A CONTINUOUS BARRIER TO THE MOVEMENT OF AIR.
- B. AIR BARRIER ACCESSORY: A TRANSITIONAL COMPONENT OF THE AIR BARRIER AUXILIARY MATERIAL: A TRANSITIONAL COMPONENT HAT PROVIDES AIR BARRIER CONTINUITY FURNISHED BY A
- SOURCE OTHER THAN THE PRIMARY AIR BARRIER MANUFACTURER. AIR BARRIER ASSEMBLY: THE COLLECTION OF AIR BARRIER MATERIALS, ACCESSORY AND AUXILIARY MATERIALS APPLIED TO AN OPAQUE WALL, INCLUDING JOINTS AND JUNCTIONS TO ABUTTING CONSTRUCTION, TO CONTROL AIR MOVEMENT THROUGH

.3 PRE-INSTALLATION MEETINGS

A. PRE-INSTALLATION CONFERENCE

REVIEW AIR BARRIER INSTALLATION REQUIREMENTS AND NSTALLATION DETAILS, MOCK-UPS, TESTING REQUIREMENTS, PROTECTION, AND SEQUENCING OF WORK.

4 REFERENCES

A. BUILDING CODE AND MATERIAL EVALUATION SERVICE STANDARDS B. ASTM STANDARDS D 4541-09 TEST METHOD FOR PULL-OFF STRENGTH OF COATINGS USING PORTABLE ADHESION TESTERS

E 84-98 TEST METHOD FOR SURFACE BURNING

- HARACTERISTICS OF BUILDING MATERIAL E 96-00 TEST METHOD FOR WATER VAPOR TRANSMISSION OF E 779-10 STANDARD TEST METHOD FOR DETERMINING AIR LEAKAGE RATE BY FAN PRESSURIZATION E 783-02 STANDARD TEST METHOD FOR FIELD MEASUREMENT
- OF AIR LEAKAGE THROUGH INSTALLED EXTERIOR WINDOWS AND E 1186-03 (2009) STANDARD PRACTICES FOR AIR LEAKAGE SITE DETECTION IN BUILDING ENVELOPES AND AIR BARRIER
- 1E 1827-96 (2007) STANDARD TEST METHODS FOR DETERMINING AIR TIGHTNESS OF BUILDINGS USING AN ORIFICE BLOWER DOOR 1E 2178-03 TEST METHOD FOR AIR PERMEANCE OF BUILDING
- 15.E 2357-05 STANDARD TEST METHOD FOR DETERMINING AIR LEAKAGE OF AIR BARRIER AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
- HANDBOOK FUNDAMENTALS ASHRAE 90.1 2016, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NFPA 285 STANDARD FIRE TEST METHOD FOR EVALUATION OF FIRE
- PROPAGATION CHARACTERISTICS OF EXTERIOR NON-LOAD-BEARING WALL ASSEMBLIES CONTAINING COMBUSTIBLE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD
- RULE 1113 (2007) ARCHITECTURAL COATINGS

.5 COORDINATION/SCHEDULING

A. COORDINATE INSTALLATION OF FOUNDATION WATERPROOFING ROOFING MEMBRANE, WINDOWS, DOORS AND OTHER WALL

B. PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING

/INDOWS, DOORS, AND OTHER PENETRATIONS THROUGH THI

- PROVIDE SILL FLASHING TO DIRECT WATER TO THE EXTERIOR
- BEFORE WINDOWS AND DOORS ARE INSTALLED
- D. INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER /INDOWS AND DOORS ARE INSTALLED.
- E. INSTALL DIVERTER FLASHINGS WHEREVER WATER CAN ENTER THE ASSEMBLY TO DIRECT WATER TO THE EXTERIOR
- COPINGS AND SILLS TO PREVENT WATER ENTRY INTO THE WALL
- INSTALL CLADDING WITHIN 180 DAYS OF AIR AND MOISTURE BARRIER INSTALLATION.
- A. MANUFACTURER'S SPECIFICATIONS, DETAILS AND PRODUCT DATA. B. MANUFACTURER'S STANDARD WARRANTY
- MANUFACTURER'S ICC EVALUATION REPORT CONFIRMING COMPLIANCE WITH THE IBC, IRC, AND IECC AS AN AIR BARRIER AND WATER-RESISTIVE BARRIER.
- D. SAMPLES FOR APPROVAL AS DIRECTED BY ARCHITECT OR OWNER RANSITIONS, PENETRATIONS, CORNERS, TERMINATIONS, AND FIE-INS WITH ADJOINING CONSTRUCTION, AND INTERFACES WITH SEPARATE MATERIALS THAT FORM PART OF THE AIR BARRIER ASSEMBLY. 1.8 QUALITY ASSURANCE

A. MANUFACTURER REQUIREMENTS MANUFACTURER OF EXTERIOR WALL AIR AND MOISTURE

- RRIER MATERIALS FOR A MINIMUM OF 30 YEARS IN NORTH
- CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM. J. BUILDING ENVELOPE AIR LEAKAGE: ASTM E 779 OR 1827, < 0.4 B. CONTRACTOR REQUIREMENTS CFM/FT2 (2 L/S·M2) KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF
- TO MATERIALS.

ISO 9001:2008 CERTIFIED QUALITY SYSTEM AND ISO 14001:2004

- KNOWLEDGEABLE IN WATERPROOFING AND AIR BARRIER APPLICATION, AND FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.
- PROVIDE THE PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE JOB-SITE TO INSTALL THE AIR BARRIER ASSEMBLY IN COMPLIANCE WITH THE PROJECT PLANS & SPECIFICATIONS, SHOP DRAWINGS, AND STO'S PUBLISHED SPECIFICATIONS AND DETAILS.
- C. REGULATORY COMPLIANCE PRIMARY AIR BARRIER AND JOINT TREATMENT
- REINFORCEMENT MATERIALS: LISTED BY IBC AND RECOGNIZED FOR USE ON AL
- TYPES OF CONSTRUCTION. REFER TO ICC ESR 1233 FOR b. COMPLY WITH VOC REQUIREMENTS OF SCAQMD RULE
- COMPLY WITH AIR BARRIER MATERIAL REQUIREMENTS OF ASHRAE 90.1 - 2010, 2013
- COMPLY WITH AIR BARRIER MATERIAL REQUIREMENTS e. COMPLY WITH 2012 AND 2015 IRC REQUIREMENT FOR A
- CONTINUOUS AIR BARRIEF COMPLY WITH AIR BARRIER MATERIAL REQUIREMENTS OF 2012 AND 2015 IBC AND IECC.

ON AS-BUILT CONSTRUCTION TO INCORPORATE BACK-UP

ALL CONSTRUCTION, TYPICAL DETAILS COVERING

D. MOCK-UPS BUILD STAND-ALONE SITE MOCK UP OR SAMPLE WALL AREA

- SUBSTRATE JOINTS, CRACKS, FLASHING TRANSITIONS ADJOINING CONSTRUCTION, AND INTERFACES WITH SEPARATE MATERIALS THAT FORM PART OF THE AIR BARRIEF ASSEMBLY .9 PRE-CONSTRUCTION TESTING
- A. CONDUCT TESTING BY QUALIFIED TEST AGENCY OR BUILDING **ENVELOPE CONSULTANT**
 - CONDUCT ASSEMBLY AIR LEAKAGE TESTING IN ACCORDANCE WITH ASTM E 783. CONDUCT ADHESION TESTING TO SUBSTRATES IN CCORDANCE WITH ASTM D 4541.
 - ACCORDANCE WITH SEALANT MANUFACTURER'S FIELD QUALITY CONTROL TEST PROCEDURE.
- 4. NOTIFY DESIGN PROFESSIONAL MINIMUM 7 DAYS PRIOR TO .10 DELIVERY, STORAGE AND HANDLING
- A DELIVER ALL MATERIALS IN THEIR ORIGINAL SEALED CONTAINERS BEARING MANUFACTURER'S NAME AND IDENTIFICATION OF PRODUCT.

- B. PROTECT COATINGS (PAIL PRODUCTS) FROM FREEZING TEMPERATURES AND TEMPERATURES IN EXCESS OF 90 DEGREES F 32 DEGREES C). STORE AWAY FROM DIRECT SUNLIGHT.
- PROTECT PORTLAND CEMENT BASED MATERIALS (BAG PRODUCTS) FROM MOISTURE AND HUMIDITY. STORE UNDER COVER OFF THE GROUND IN A DRY LOCATION.
- D. PROTECT AND STORE ACCESSORY AND AUXILIARY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. 1.11 PROJECT/SITE CONDITIONS
- MAINTAIN AMBIENT AND SURFACE TEMPERATURES ABOVE 40 DEGREES F (4 DEGREES C) DURING APPLICATION AND DRYING ERIOD, MINIMUM 24 HOURS AFTER APPLICATION OF AIR AND MOISTURE BARRIER MATERIALS.
- B. PROVIDE SUPPLEMENTARY HEAT FOR INSTALLATION IN TEMPERATURES LESS THAN 40 DEGREES F (4 DEGREES C) OR IF SURFACE TEMPERATURE IS LIKELY TO FALL BELOW 40 DEGREES F
- PROVIDE PROTECTION OF SURROUNDING AREAS AND ADJACENT SURFACES FROM APPLICATION OF MATERIALS. 1.12 WARRANTY
- A. PROVIDE MANUFACTURER'S STANDARD WARRANTY.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

PRODUCTS: VAPOUR PERMEABLE AIR BARRIER MEMBRANE, SELF ADHERED FOR [RAIN SCREEN SYSTEMS] [SLOPED ROOFING TRIPLE LAYER SPUNBONDED POLYPROPYLENE WITH A NOMINAL THICKNESS OF 0.60MM (24 MILS) AND WATER VAPOUR RANSMISSION OF 1373 NG/PA.S.M2 (24 PERMS) AS PER ASTM E96 METHOD B. MEMBRANES MUST COMPLY WITH THE CAN/ULC S741-08 AND THE MEMBRANE SYSTEM MUST COMPLY WITH CAN/ULC S742-11 AND HAVE AN AIR LEAKAGE RATE CLASSIFICATION OF "A1" [AT A 1 IN 50 HOURLY WIND PRESSURE DIFFERENCE OF 650PA, 12 METRES ABOVE GRADE]. SRP IROUTSHIELD SA280 1 866 533 0233 WWW.SRPCANADA.CA B. COLOUR: BLACK

2.2 MATERIALS

- A PRIMARY AIR BARRIER MATERIAL STOGLIARD WITH STO EMERALDCOAT - READY-MIXED FLEXIBLE SPRAY OR ROLLER APPLIED AIR AND MOISTURE BARRIER MATERIAL.
- B. ACCESSORY MATERIALS
- SHEATHING JOINT TREATMENTS
- STO RAPIDGUARD™: ONE COMPONENT STPE RAPID DRYING GUN-APPLIED TREATMENT FOR SHEATHING JOINTS, ROUGH OPENINGS, SEAMS, CRACKS, PENETRATIONS AND OTHER TRANSITIONS IN ABOVE GRADE WALL CONSTRUCTION.
- 2. ROUGH OPENING TREATMENTS
- STO RAPIDGUARD™: ONE COMPONENT STPE RAPID DRYING GUN-APPLIED TREATMENT FOR SHEATHING JOINTS. ROUGH OPENINGS, SEAMS, CRACKS, PENETRATIONS AND OTHER TRANSITIONS IN ABOVE GRADE WALL CONSTRUCTION.
- TRANSITION DETAIL COMPONENTS
- STOGUARD TRANSITION MEMBRANE: FLEXIBLE AIR AND MOISTURE BARRIER MEMBRANE FOR CONTINUITY AT STATIC MATERIALS (CMU TO FRAME WALL), WALL TO BALCONY FLOOR FLASHING, ALSO USED FOR DYNAMIC JOINTS: FLOOR LINE DEFLECTION JOINTS, MASONRY CONTROL JOINTS, AND THROUGH WALL JOINTS IN MASONRY OR FRAME CONSTRUCTION
- PRIMERS STOGUARD PRIMER: RUBBER RESIN EMULSION PRIMER FOR USE WITH STOGUARD TAPE TO ENHANCE ADHESION.
- C. AUXILIARY MATERIALS
- WET SEALANT: DOW CORNING 758, 790, 791, AND 795 2. PRE-CURED SEALANT TAPE: DOW 123
- SPRAY ADHESIVE: 3M SUPER 77 SPRAY ADHESIVE
- SPRAY FOAM: DOW GREAT STUFF FOR GAPS AND CRACKS D. PATCH AND LEVELING MATERIAL FOR CONCRETE AND MASONR'
- STO LEVELER: POLYMER MODIFIED CEMENTITIOUS PATO AND LEVELING MATERIAL FOR PREPARED CONCRETE AND MASONRY SURFACES FOR LEVELING UP TO 1/4 INCH (6 MM).
- STO BTS-XTRA: POLYMER MODIFIED LIGHTWEIGH EMENTITIOUS PATCH AND LEVELING MATERIAL FOR PREPARED CONCRETE AND MASONRY SURFACES FOR LEVELING UP TO 1/8 INCH (3 MM).

2.3 PERFORMANCE REQUIREMENTS

- A. DURABILITY, RESISTANCE TO AGING, WATER AND WATER PENETRATION RESISTANCE, STRUCTURAL LOADING: JOINT REATMENT AND PRIMARY AIR BARRIER MATERIAL, COMPLY WITH ICC ES AC 212
- B. FLEXIBILITY: ASTM D 522, PRIMARY AIR BARRIER MATERIAL, NO CRACKING OR DELAMINATION BEFORE AND AFTER AGING USING 1/8 INCH (3 MM) MANDREL AT 14° F (10° C)
- C. NAIL SEALABILITY: ASTM D 1970, 7.9.1, PRIMARY AIR BARRIER
- D. RESISTANCE TO MOLD: ASTM D 3273, NO MOLD GROWTH AFTER 28 DAY EXPOSURE ADHESION: JOINT TREATMENT AND PRIMARY AIR BARRIER MATERIAL, ASTM C 297 OR D 4541, > 30 PSI (207 KPA), OR EXCEEDS STRENGTH OF GLASS MAT FACING ON GLASS MAT GYPSUM
- F. SURFACE BURNING: ASTM E 84, JOINT TREATMENT AND PRIMARY R BARRIER MATERIAL FLAME SPREAD < 25, SMOKE DEVELOPED <
- WATER VAPOR PERMEANCE: ASTM E 96 METHOD B, > 10 PERMS (570 NG/PA·S·M2)
- H. FIELD ADHESION TESTING: ASTM D 4541, > 30 PSI (207 KPA) OR EXCEEDS STRENGTH OF GLASS MAT FACING ON GLASS MAT FIRE RESISTANCE: ASTM E 119, PERMITTED FOR USE IN EXTERIOR
- VALLS OF FIRE-RESISTANCE-RATED CONSTRUCTION ASSEMBLIES REFER TO ICC-ESR 1233.

450. CLASS A BUILDING MATERIAL

- K. MATERIAL AIR LEAKAGE: ASTM E 2178, PRIMARY AIR BARRIER AND JOINT TREATMENT < 0.004 CFM/FT2 AT 1.57 PSF (0.02 L/SM2 AT 75 PA)
- ASSEMBLY AIR LEAKAGE: ASTM E 2357, < 0.04 CFM/FT2 (0.2 L/S·M2) AIR LEAKAGE AFTER CONDITIONING PROTOCOL M. FIRE PROPAGATION: NFPA 285, MEETS REQUIREMENTS FOR USE ON
- ALL TYPES OF CONSTRUCTION. REFER TO ICC-ESR 1233. N. VOLATILE ORGANIC COMPOUNDS: SCAQMD RULE 1113, JOINT REATMENT AND PRIMARY AIR BARRIER MATERIAL < 100 G/L
- O. WATER-RESISTIVE BARRIER: ICC ES 212, JOINT TREATMENT AND PRIMARY AIR BARRIER MATERIAL COMPLY AND ARE LISTED IN A VALID ICC ESR.
- 2.4 DESIGN CRITERIA A. STRUCTURAL (WIND AND AXIAL LOADS)

THE WALL

- DESIGN FOR MAXIMUM ALLOWABLE DEFLECTION NORMAL TO THE PLANE OF THE WALL: L/240. WHERE CLADDING DICTATES STIFFER DEFLECTION CRITERIA USE CLADDING DESIGN CRITERIA FOR MAXIMUM ALLOWABLE DEFLECTION. 2. DESIGN FOR WIND LOAD IN CONFORMANCE WITH CODE
- B. MOISTURE CONTROL 1. PREVENT THE ACCUMULATION OF WATER IN THE WALI ASSEMBLY AND BEHIND THE EXTERIOR WALL CLADDING: STO
 - a. MINIMIZE CONDENSATION WITHIN THE ASSEMBLY DRAIN WATER DIRECTLY TO THE EXTERIOR WHERE IT IS LIKELY TO PENETRATE COMPONENTS IN THE WALL ASSEMBLY
 - (WINDOWS AND DOORS, FOR EXAMPLE). PROVIDE CORROSION RESISTANT FLASHING TO DIRECT WATER TO THE EXTERIOR IN ACCORDANCE WITH CODE REQUIREMENTS, INCLUDING: ABOVE WINDOW AND DOOR HEADS, BENEATH WINDOW AND DOOR SILLS, AT ROOF/WALL INTERSECTIONS, FLOOR LINES, DECKS, INTERSECTIONS OF OWER WALLS WITH HIGHER WALLS, AND AT THE BASE O
- C. AIR BARRIER CONTINUITY: PROVIDE CONTINUOUS AIR BARRIER ASSEMBLY OF COMPATIBLE AIR BARRIER COMPONENTS.
 - CONCRETE MASONRY UNITS: PROVIDE CMU SURFACES IN CONFORMANCE WITH THE APPLICABLE BUILDING CODE, AND SUCH THAT A VOID AND PINHOLE FREE AIR BARRIER IS ACHIEVED. PROVIDE NORMAL WEIGHT UNITS WITH FLUS JOINTS (STRUCK FLUSH WITH THE SURFACE) AND ALLOW FOR A MINIMUM OF 2 COATS OF THE PRIMARY AIR BARRIER MATERIAL APPLIED BY SPRAY OR ROLLER ALTERNATIVELY FOR "ROUGH" CMU WALL SURFACES ALLOW FOR A CEMENTITIOUS PARGE COAT TO FILL AND LEVEL IRREGULAR SURFACES, PRIOR TO 1 COAT OF THE PRIMARY AIR BARRIER
 - CONCRETE: PROVIDE CONCRETE IN CONFORMANCE WITH THE APPLICABLE BUILDING CODE.

3. SHEATHING: PROVIDE GYPSUM SHEATHING IN COMPLIANCE WITH ASTM C 1177, PROVIDE APA EXTERIOR OR EXPOSURE 1 WOOD-BASED SHEATHING, AND PROVIDE SHEATHING THA MEETS REQUIRED DESIGN WIND PRESSURES. MECHANICAL VENTILATION: MAINTAIN PRESSURIZATION AND INDOOR HUMIDITY LEVELS IN ACCORDANCE WITH RECOMMENDATIONS OF ASHRAE (SEE 2005 ASHRAE HANDBOOK--FUNDAMENTALS).

PART 3 EXECUTION 3.1 EXAMINATION

- A. INSPECT CONCRETE AND CONCRETE MASONRY SURFACES FOR CONTAMINATION - ALGAE, DIRT, DUST, EFFLORESCENCE FORM OIL, FUNGUS, GREASE, MILDEW OR OTHER FOREIGN
- 2. SURFACE DEFICIENCIES WEAK, FRIABLE, CHALKINESS,
- 3. CRACKS MEASURE CRACK WIDTH AND RECORD LOCATION
- DAMAGE OR DETERIORATION. 5. MOISTURE CONTENT AND MOISTURE DAMAGE - USE A
- RECORD ANY AREAS OF MOISTURE DAMAGE OR EXCESS 6. FLUSH MASONRY MORTAR JOINTS COMPLETELY FILLED WITH

MOISTURE METER TO DETERMINE IF THE SURFACE IS DRY

ENOUGH TO RECEIVE THE WATERPROOF AIR BARRIER AN

- . INSPECT SHEATHING APPLICATION FOR COMPLIANCE WITH APPLICABLE REQUIREMENT
- . EXTERIOR GRADE AND EXPOSURE I WOOD BASED SHEATHING: E30U-2007, ENGINEERED WOOD CONSTRUCTION GUIDE, AND THE REQUIREMENTS OF THE APPLICABLE
- 2. GLASS MAT FACED GYPSUM SHEATHING IN COMPLIANCE WITH ASTM C 1177: CONSULT MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND ICC ES REPORT. CONFORM WITH PROJECT REQUIREMENTS FOR WIND LOAD RESISTANCE
- CEMENTITIOUS SHEATHING CONSULT MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND ICC ES REPORT CONFORM WITH PROJECT REQUIREMENTS FOR WIND LOAD

REPORT DEVIATIONS FROM THE REQUIREMENTS OF PROJECT

SPECIFICATIONS OR OTHER CONDITIONS THAT MIGHT ADVERSELY AFFECT THE AIR AND MOISTURE BARRIER INSTALLATION. DO NOT START WORK UNTIL DEVIATIONS ARE CORRECTED. 3.2 SURFACE PREPARATION

AND SHELF ANGLES.

- A. CONCRETE MASONRY SURFACE MUST BE STRUCTURALLY SOUND AND FREE OF WEAK OR DAMAGED SURFACE CONDITIONS SUCH AS LAITANCE OR SPALLS. SURFACE MUST BE CLEAN, DRY FROST-FREE, AND FREE OF ANY BOND-INHIBITING MATERIALS SUCH AS DUST, DIRT, OIL, ALGAE, MILDEW, SALTS,
- MORTAR JOINTS MUST BE STRUCK FLUSH WITH THE 2. REMOVE EXCESS MORTAR FROM MASONRY TIES, LINTELS

EFFLORESCENCE, OR ANY OTHER SURFACE CONTAMINATION

- REMOVE LOOSE OR DAMAGED MATERIAL BY WATER-BLASTING, SANDBLASTING OR MECHANICAL WIRE BRUSHING. REMOVE SURFACE CONTAMINATION SUCH AS DIRT OR EFFLORESCENCE BY CHEMICAL OR MECHANICAL MEANS. REPAIR SURFACE DEFECTS SUCH AS SPALLS, VOIDS AND HOLES WITH STO BTS XTRA (UP TO 1/8 INCH [3 MM] THICK) OR STO LEVELER (UP TO 1/4 INCH [6 MM] THICK).
- 4. REPAIR NON-STRUCTURAL CRACKS UP TO 1/8 INCH (3 MM) WIDE BY RAKING WITH A SHARP TOOL TO REMOVE LOOSE FRIABLE MATERIAL AND BLOW CLEAN WITH OIL-FREE COMPRESSED AIR. APPLY JOINT TREATMENT MATERIAL OVE CRACK FMBED REINFORCEMENT (WHERE APPLICABLE), AND SMOOTH JOINT TREATMENT MATERIAL WITH A TROWE DRYWALL OR PUTTY KNIFE TO COVER THE REINFORCEMENT
- B. CONCRETE SURFACE MUST BE STRUCTURALLY SOUND AND FREE OF WEAK OR DAMAGED SURFACE CONDITIONS SUCH AS LAITANCE, BUGHOLES, OR SPALLS, SURFACE MUST BE CLEAN DRY, FROST-FREE, AND FREE OF ANY BOND-INHIBITING MATERIALS SUCH AS DUST DIRT OIL FORM RELEASE ALGAE MILDEW, SALTS, EFFLORESCENCE, OR ANY OTHER SURFACE
 - 2. REMOVE PROJECTING FINS, RIDGES, FORM TIES, AND HIGH
 - SPOTS BY MECHANICAL MEANS. WATER-BLASTING, SANDBLASTING OR MECHANICAL WIRE BRUSHING. REMOVE FORM RELEASE BY CHEMICAL OR MECHANICAL MEANS, REPAIR SURFACE DEFECTS SUCH AS HONEYCOMBS, PITTING, SPALLS, VOIDS OR HOLES WITH STO BTS XTRA (UP TO 1/8 INCH [3 MM] THICK) OR STO LEVELER (UP
- TO 3/8 INCH [9 MM] THICK). A REPAIR NON-STRUCTURAL CRACKS LIP TO 1/8 INCH (3 MM) WIDE BY RAKING WITH A SHARP TOOL TO REMOVE LOOSE, FRIABLE MATERIAL AND BLOW CLEAN WITH OIL-FREE COMPRESSED AIR. APPLY JOINT TREATMENT MATERIAL OVER CRACK, EMBED REINFORCEMENT (WHERE APPLICABLE), AND SMOOTH JOINT TREATMENT MATERIAL WITH A TROWEL
- DRYWALL OR PUTTY KNIFE TO COVER THE REINFORCEMENT C. SHEATHING
- 1. REMOVE AND REPLACE DAMAGED SHEATHING. SPOT SURFACE DEFECTS SUCH AS OVER-DRIVEN FASTENERS KNOT HOLES, OR OTHER VOIDS IN SHEATHING WITH KNIFE
- GRADE JOINT TREATMENT MATERIAL. SPOT FASTENERS WITH KNIFE GRADE OR COATING JOINT TREATMENT MATERIAL.
- 3.3 INSTALLATION 3.3.1 AIR/MOISTURE BARRIER INSTALLATION OVER EXTERIOR OR EXPOSURE I WOOD-BASED SHEATHING (PLYWOOD AND OSB), GLASS MAT FACED GYPSUM THING IN COMPLIANCE WITH ASTM C 1177, CONCRETE, AND CONCRETE MASONRY (CMU) WALL CONSTRUCTION
 - FLASHINGS, LINTELS AND SHELF ANGLES, OPENINGS AND PENETRATIONS SUCH AS PIPES, VENTS, WINDOWS AND DOORS. MASONRY ANCHORS, RAFTERS OR BEAMS, JOINTS IN CONSTRUCTION, PROJECTIONS SUCH AS DECKS AND BALCONIES, B. TRANSITION DETAILING: DETAIL TRANSITION AREAS WITH STO

A. COORDINATE WORK WITH OTHER TRADES TO ENSURE AIR BARRIEF

CONTINUITY WITH CONNECTIONS AT FOUNDATION, FLOOR LINES,

AIR BARRIER CONTINUITY FOR ILLUSTRATIONS OF INSTALLATION

- R TO STO GUIDE DETAILS AND STO RAPIDGUAR INSTALLATION GUIDE OR STOGUARD TRANSITION MEMBRANE INSTALLATION GUIDE (WWW.STOCORP.COM).
- C. ROUGH OPENING PROTECTION INSTALL ROUGH OPENING PROTECTION. REFER TO STO DETAILS AND APPLICABLE STO PRODUCT BULLETINS.
- INSTALL JOINT TREATMENT MATERIAL SHEATHING JOINTS REFER TO STO DETAILS AND APPLICABLE STO PRODUCT BULLETINS. E. AIR AND MOISTURE BARRIER COATING
- CONCRETE INSTALL ONE COAT OF STO EMERALDCOAT BY SPRAY OR ROLLER IN A UNIFORM, CONTINUOUS WET FILM OF 10 MILS TO THE PREPARED CONCRETE SUBSTRATE. DO NOT INSTALL OVER WORKING OR MOVING JOINT SEALANTS. CONCRETE MASONRY - INSTALL ONE LIBERAL COAT OF STO EMERALDCOAT BY SPRAY OR ROLLER IN A UNIFORM. CONTINUOUS FILM TO THE PREPARED CONCRETE MASONRY SUBSTRATE BACKROLL SPRAY APPLICATIONS ALLOW TO DRY. INSTALL A SECOND LIBERAL COAT IN A UNIFORM,
- CONTINUOUS FILM, AND BACKROLL SPRAY APPLICATIONS, TO ACHIEVE A VOID AND PINHOLE FREE SURFACE. DEPENDING ON THE CONDITION OF THE SURFACE A MINIMUM OF 10 WE MILS UP TO A MAXIMUM OF 30 WET MILS PER COAT IS REQUIRED. APPLY ADDITIONAL COATS IF NEEDED TO ACHIEVE A VOID AND PINHOLE FREE SURFACE, DO NOT INSTALL OVER WORKING OR MOVING JOINT SEALANTS. SHEATHING
- GLASS MAT FACED GYPSUM SHEATHING: INSTALL ONE COAT OF STO EMERALDCOAT BY SPRAY OR ROLLER IN A UNIFORM, CONTINUOUS FILM OF 10 WET MILS TO THE PREPARED GLASS MAT GYPSUM SUBSTRATE TO ACHIEVE A VOID AND PINHOLE FREE SURFACE. DO NOT INSTALL OVER WORKING OR MOVING JOINT SEALANTS. PLYWOOD SHEATHING: INSTALL ONE COAT OF STO EMERALDCOAT BY SPRAY OR ROLLER IN A UNIFORM, TINUOUS FILM OF 10 WET MILS TO THE PREPARED
- SURFACE. DO NOT INSTALL OVER WORKING OR MOVING JOINT OSB SHEATHING: INSTALL ONE COAT OF STO EMERALDCOAT BY SPRAY OR ROLLER IN A UNIFORM CONTINUOUS FILM OF 10 WET MILS TO THE PREPAR SUBSTRATE AND TO A VOID AND PINHOLE FREE SURFACE PECT SURFACE AND TOUCH-UP WITH A SECOND COAT AT RAISED WOOD STRANDS. DO NOT INSTALL OVER WORKING OR MOVING JOINT SEALANTS
- 3.4 FIELD QUALITY CONTROL
- A. OWNER'S QUALIFIED TESTING AGENCY OR BUILDING ENVELOPE CONSULTANT SHALL PERFORM INSPECTIONS AND TESTS. INSPECTIONS: AIR BARRIER MATERIALS ARE SUBJECT TO INSPECTION TO VERIFY COMPLIANCE WITH REQUIREMENTS

SUBSTRATE TO ACHIEVE A VOID AND PINHOLE FREE

CONDITION OF SUBSTRATES AND SUBSTRATE PREPARATION 2. INSTALLATION OF PRIMARY AIR BARRIER MATERIAL, ACCESSORY MATERIALS, AND COMPATIBLE AUXILIARY MATERIALS OVER STRUCTURALLY SOUND SUBSTRATES AND CONTRACTOR'S SHOP DRAWINGS, PROJECT MOCK-UP, AND

- MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. AIR BARRIER CONTINUITY AND CONNECTIONS WITHOUT GAPS AND HOLES AT FOUNDATION, FLOOR LINES, FLASHINGS, LINTELS AND SHELF ANGLES, OPENINGS AND PENETRATIONS SUCH AS PIPES, VENTS, WINDOWS AND DOORS, MASONRY ANCHORS, RAFTERS OR BEAMS, JOINTS IN CONSTRUCTION PROJECTIONS SUCH AS DECKS AND BALCONIES, AND ROOF
 - TESTS: AIR BARRIER MATERIALS AND ASSEMBLY ARE SUBJECT TO

1. QUALITATIVE AIR LEAKAGE TEST: ASTM E 1186

- ESTS TO VERIFY COMPLIANCE WITH PERFORMANCE REQUIREMENTS:
- 2. QUANTITATIVE AIR LEAKAGE TEST: ASTM E 779, E 783, AND E
- ADHESION TEST: ASTM D 4541 4. QUALITATIVE ADHESION AND COMPATIBILITY TESTING: WET SEALANT MANUFACTURER'S FIELD QUALITY CONTROL
- ADHESION TEST REPAIR NON-CONFORMING SUBSTRATES AND AIR BARRIER MATERIAL INSTALLATION TO CONFORM WITH PROJECT
- E. TAKE CORRECTIVE ACTION TO REPAIR AND REPLACE, REINSTALL SEAL OPENINGS, GAPS, OR OTHER SOURCES OF AIR LEAKAGE TO

CONFORM WITH PROJECT PERFORMANCE REQUIREMENTS.

- 3.5 PROTECTION AND CLEANING A. PROTECT AIR BARRIER MATERIALS FROM DAMAGE DURING ONSTRUCTION CAUSED BY WIND, RAIN, FREEZING, CONTINUOUS
- HIGH HUMIDITY, OR PROLONGED EXPOSURE TO SUN LIGHT. B PROTECT AIR BARRIER MATERIALS FROM DAMAGE FROM TRADES VANDALS, AND WATER INFILTRATION DURING CONSTRUCTION. C. REPAIR DAMAGED MATERIALS TO MEET PROJECT SPECIFICATION
- D. CLEAN SPILLS, STAINS, SOILING FROM FINISHES OR OTHER INSTRUCTION MATERIALS THAT WILL BE EXPOSED IN THE COMPLETED WORK WITH COMPATIBLE CLEANERS. E. REMOVE ALL MASKING MATERIALS AFTER WORK IS COMPLETED.

END OF SECTION 07 27 26

ATTENTION

PART 1 GENERAL

EXTRUDED ALUMINUM SIDING

- 1.1 PERFORMANCE REQUIREMENTS COMPONENTS: DESIGN AND SIZE COMPONENTS TO WITHSTAND DEAD AND LIVE LOADS CAUSED BY POSITIVE AND NEGATIVE WINI PRESSURE ACTING NORMAL TO PLANE OF WALLS AS CALCULATED N ACCORDANCE WITH APPLICABLE CODE.
- B. MOVEMENT: ACCOMMODATE MOVEMENT WITHIN SYSTEM WITHOUT MAGE TO COMPONENTS OR MOVEMENT WITHIN SYSTEM: MOVEMENT BETWEEN SYSTEM AND PERIMETER COMPONENTS WHEN SUBJECT TO SEASONAL TEMPERATURE CYCLING: I LOADING AND RELEASE OF LOADS: DEFLECTION OF STRUCTURAL
- DRAINAGE: PROVIDE POSITIVE DRAINAGE TO EXTERIOR FOR MOISTURE ENTERING OR CONDENSATION OCCURRING WITHIN PANEL SYSTEM.

- A. PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED. INCLUDING: 1. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.
- 2. STORAGE AND HANDLING REQUIREMENTS AND INSTALLATION METHODS B. SHOP DRAWINGS: INDICATE DIMENSIONS. LAYOUT JOINTS

EXPANSION JOINTS, CONSTRUCTION DETAILS, METHODS OF

- ANCHORAGE, AND INTERFACE WITH ADJACENT MATERIALS. SELECTION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO COMPLETE SETS OF COLOR CHIPS REPRESENTING THE MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND
- VERIFICATION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED TWO SAMPLES, MINIMUM SIZE 2 INCHES (51MM) BY 3-1/2 INCHES ACTUAL PRODUCT, COLOR AND (89MM), REPRESENTING

OR PERIODIC CLEANING AND MAINTENANCE OF COMPONENTS

- MANUFACTURER'S CERTIFICATES: CERTIFY PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS. CLOSEOUT SUBMITTALS: PROVIDE MANUFACTURER'S MAINTENANCE INSTRUCTIONS THAT INCLUDE RECOMMENDATION:
- 1.2 QUALITY ASSURANCE
- A. MANUFACTURER'S QUALIFICATIONS: MINIMUM TEN YEARS' EXPERIENCE PRODUCING ALUMINUM FINISHES OF THE TYPES SPECIFIED IN AAMA 2604 AND 2605 CERTIFIED.
- THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED C. MOCK-UP: PROVIDE A MOCK-UP FOR EVALUATION OF SURFACE PREPARATION TECHNIQUES AND APPLICATION WORKMANSHIP

B. INSTALLER: COMPANY SPECIALIZING IN PERFORMING WORK OF

- FINISH AREAS DESIGNED BY ARCHITECT. 2. DO NOT PROCEED WITH REMAINING WORK UNTIL WORKMANSHIP, COLOR, AND GLOSS ARE APPROVED BY
- 3. REFINISH MOCK-UP AREA AS REQUIRED TO PRODUCE ACCEPTABLE WORK 1.3 DELIVERY, STORAGE, AND HANDLING

PACKAGE AND STORE PRODUCTS UNDER COVER IN

MANUFACTURER'S UNOPENED PACKAGING UNTIL READY FOR RANSPORT AND INSTALLATION B. PROTECT PANELS FROM ACCELERATED WEATHERING BY REMOVING OR VENTING SHEET PLASTIC SHIPPING WRA STORE PREFINISHED MATERIAL OFF GROUND PROTECTED FROM

WEATHER TO PREVENT TWISTING, BENDING, OR ABRASION, AND

PROVIDE VENTILATION. SLOP METAL SHEETS TO ENSURE D. PREVENT CONTACT WITH MATERIALS CAPABLE OF CAUSING

DISCOLORATION OR STAINING.

- 1.4 PROJECT CONDITIONS MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT FABRICATE PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.
- 1.5 COORDINATION A. COORDINATE WORK WITH INSTALLATION OF WINDOWS, LOUVERS,

PART 2 PRODUCTS

2.1 MANUFACTURERS

- KNOTWOOD'S LIMITED LIFETIME WARRANTY AGAINST CRACKING PEELING AND GLOSS/COLOR RETENTION WITHIN THE GUIDELINES STATED BY THE AMERICAN ALUMINUM MANUFACTURERS
- STANDARD COLORS DULUX DURATEC - AAMA 2604 (5 YEAR FLORIDA) 15 YEAR MANUFACTURER'S WARRANT
- b. DULUX FLUOROSET AAMA 2605 (10 YEAR FLORIDA) 20 YEAR MANUFACTURER'S WARRANTY WOOD GRAINS AMMA 2064 (5 YEAR FLORIDA) 15 YEAR
- A. ACCEPTABLE MANUFACTURER: KNOTWOOD LLC., WHICH IS LOCATED AT: 10914 NE 39TH/ STREET SUITE B-3 VANCOUVER, WA 98682: INFO AT SALES@KNOTWOOD.COM WEB

MANUFACTURER'S WARRANTY.

WWW.KNOTWOOD.COM: B. SUBSTITUTIONS: C REQUESTS FOR SUBSTITUTIONS WILL BE CONSIDERED IN

B. EXTRUDED ALUMINUM VENTED SOFFIT: KNOTWOOD WOOD GRAIN

INISH IS EXTRUDED ALUMINUM.

EXTRUDED ALUMINUM.

ALUMINUM VENTED SOFFITS WITH ALLUMINATE BONDED FILM

ACCORDANCE WITH PROVISIONS OF SECTION 01600.

- A. EXTRUDED ALUMINUM SIDING AND SOFFITS: KNOTWOOD WOOD GRAIN ALUMINUM SIDING AND SOFFITS WITH ALLUMINATE BONDED FILM FINISH IS EXTRUDED ALUMINUM.
- C. EXTRUDED ALUMINUM ACCESSORIES AND TRIM: KNOTWOOD WOOD BONDED FILM FINISH IS EXTRUDED ALUMINUM. D. EXTRUDED ALUMINUM SHUTTER BLADE, SLAT, SMALL INFILL, AND FIXED LOUVER SECTIONS: KNOTWOOD WOOD GRAIN ALUMINUM TRIM AND ACCESSORIES WITH ALLUMINATE BONDED FILM FINISH I

- 2.3 FINISHES PRETREATMENT: E-CLPS CHROME FREE FIVE STAGER ALUMINUM PRETREATMENT SYSTEM. COMPLIES WITH, AAMA 2604, AND AAMA 2605 SUPERIOR PERFORMANCE STANDARD AND MEETS EPA. OSHA. STATE AND LOCAL ENVIRONMENTAL REQUIREMENTS AN CONTAINS NO CHROMATES CYANIDES OR OTHER HEAVY METALS. VASTE TREATMENT IS USUALLY A SIMPLE PH NEUTRALIZATION AND
- DISPOSAL TO THE SANITARY SEWER DULUX GROUP MANNEX BASE COAT AND DURATEC SERIES ELECTROSTATIC APPLIED ARCHITECTURAL POWDER COATINGS
- ARE APPROVED TO AAMA 2604 PERFORMANCE STANDARD.
- 1. GLOSS LEVEL: STANDARD GLOSS IS 30 PERCENT, PLUS OR SUPER DURABLE POWDER COATINGS: ALLUMINATE PREMIUM VOOD FINISHES USE A POLYURETHANE POWDER COAT WITH INI BASED WOOD GRAIN PATTERNS SUBLIMATED INTO THE BASE WDER EFFECTIVELY TATTOOING THE POWDER. THE COMBINE

EFFECT CREATES ALL THE AESTHETIC ASPECTS OF REAL WOOD

WHILE OFFERING THE SAME ENVIRONMENTAL ADVANTAGES OF

- POWDER COATED FINISHES. 1. WOOD GRAINED CUSTOM FINISH AS APPROVED BY CLIENT. 2.4 FABRICATION
- PREPARE SURFACES, PRE-TREAT AND COAT COMPONENTS IN ACCORDANCE WITH AAMA 2604 AND 2605 QUALITY STANDARDS AND APPLICABLE EUROPEAN STANDARDS FOR THE COATING MATERIAL

WRAP AND PACKAGE COATED COMPONENTS USING METHODS

SUITABLE FOR TRANSIT AND COVERED SITE STORAGE WITHOUT

PART 3 EXECUTION

- 3.1 EXAMINATION
- A. DO NOT BEGIN INSTALLATION UNTIL COLORS HAVE BEEN VERIFIED.
- VERIFY FRAMING MEMBERS ARE READY TO RECEIVE PANEL
- IF PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER NOTIFY ARCHITECT OF UNSATISFACTORY PREPARATION BEFORE

3.2 PREPARATION

SECURELY STAPLE, NAIL IN PLACE.

WITH ALL JOINT MEMBERS PLUMB AND TRUE.

A. CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.

PREPARE SURFACES USING METHODS RECOMMENDED BY THE MANUFACTURER.

BARRIER PROTECTION: DO NOT INSTALL OVER CEMENTITIOUS

- INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION
- MATERIALS, DISSIMILAR METALS OR PRESSURE TREATED MATERIAL WITHOUT ADEQUATE BARRIER PROTECTION. INSTALL BUILDING PAPER HORIZONTALLY ON WALLS TO RECEIVE METAL SIDING
- WEATHER LAP EDGES 6 INCHES (150MM) AND ENDS MINIMUM 6 INCHES (150MM). STAGGER VERTICAL JOINTS F EACH LAYER
- ${\tt FASTEN \ SIDING \ TO \ STRUCTURAL \ SUPPORTS; ALIGNED, \ LEVEL, \ AND \ PLUMB.}$ LOCATE JOINTS OVER SUPPORTS. INSTALL EXPANSION CONTROL JOINTS WHERE NEEDED. GC TO COORDINATE
- MANAGER. USE CONCEALED FASTENERS UNLESS OTHERWISE APPROVED BY INSTALL SOFFITS, AND ACCESSORIES IN ACCORDANCE WITH BEST PRACTICE,
- 3.4 FIELD QUALITY CONTROL AFTER INSTALLATION OF SOFFITS, CHECK ENTIRE SURFACE FOR OBVIOUS

REPLACE AND REPAIR ANY PROBLEM AREAS, PAYING CLOSE ATTENTION TO

LOCATIONS OF EXPANSION/ SPLICE JOINTS WITH CONSTRUCTION PROJECT

THE SUBSTRATE FOR CAUSES OF THE PROBLEM.

AFTER APPLICATION OF SOFFITS, CLEAN AS NECESSARY TO REMOVE ALL UPON COMPLETION OF SOFFIT APPLICATION, CLEAN ENTIRE AREA, REMOVING ALL SCRAP, PACKAGING AND UNUSED MATERIALS RELATED TO THIS WORK

PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL

MEMBRANE ROOFING

3.6 PROTECTION

END OF SECTION 07 46 16.

SECTION 07 50 00

- 1.0 GENERA 1.1 REFERENCE .1 COMPLY WITH GENERAL CONDITIONS OF THE CONTRACT AND WITH
- SECTION 010100 GENERAL REQUIREMENTS. .2 COMPLY WITH THE GENERAL REQUIREMENTS OF THE NBC. PROVINCIAL BUILDING CODE LATEST EDITION, LOCAL CODES, AND SAFETY ACTS. .3 RELATED WORK SPECIFIED ELSEWHERE: .1 SUPPLY OF ROOF HOPPERS, ROOF DRAINS, PLUMBING, AND
- .2 SHEET METAL FLASHING MATERIALS SECTION 076000. .4 REFERENCE STANDARDS .1 ALL ROOFING TO BE COMPLETE IN ACCORDANCE WITH THE NATIONAL
- ROOFING CONTRACTORS ASSOCIATION ROOFING MANUAL 1.2 SCOPE OF WORK INCLUDES SUBSTRATE PREPARATION.

ONNECTIONS TO R.W.L. - SECTION 220000

- .2 WOOD BLOCKING. .3 ROOFING ACCESSORY INSTALLATION .4 VAPOUR RETARDER INSTALLATION.
- .5 INSULATION INSTALLATION. .6 MEMBRANE INSTALLATION. .7 MEMBRANE FLASHING. .8 METAL FLASHING.

APPROVED IN WRITING BY MANUFACTURER.

COMPETENT SUPERVISION

1.5 SUBMITTALS:

- .9 ROOF HATCH. 1.3 DESCRIPTION: .1 FURNISH AND INSTALL A FIRESTONE MECHANICALLY FASTENED ULTRAPLY TPO ROOFING SYSTEM AND RELATED ROOFING ACCESSORIES IN STRICT ACCORDANCE WITH SPECIFICATIONS AND DETAILS APPROVED BY FIRESTONE. INSULATION IS TO BE MECHANICALLY FASTENED OVER A VAPOUR RETARDER TO THE ROOF DECK ACCORDING TO MANUFACTURES
- FASTENED TO THE ROOF DECK WITH MANUFACTURER MEMBRANE FASTENERS AND HEAT WELDED TOGETHER. 1.4 QUALITY ASSURANCE THE ROOF AND PROPOSED ROOF CONSTRUCTION IS TO MEET ALL THE "ROOF DESIGN CONSIDERATIONS" REQUIREMENTS DETAILED IN MEMBRANE MECHANICALLY FASTENED ROOF SYSTEM, UNLESS SPECIFICALLY

REQUIREMENTS. TPO MEMBRANE SHEETS ARE TO BE MECHANICALLY

2 GENERAL CONTRACTOR SHALL RESTRICT ACCESS TO THE ROOF BY ALL

PERMITTED ACCESS TO THE ROOF TAKE PROPER CARE TO PREVENT DAMAGE TO WORK DONE UNDER THIS SECTION. .3 ROOFING CONTRACTOR SHALL BE AN APPROVED APPLICATOR OF FIRESTONE ROOFING SYSTEMS AS DETERMINED BY FIRESTONE BUILDING

.4 WORKMEN SHALL BE TRAINED AND EXPERIENCED IN THE INSTALLATION OF

THIS TYPE OF ROOFING SYSTEM AND SHALL BE UNDER FULL TIME

OTHER TRADES DURING AND AFTER THE ROOFING SYSTEM CONSTRUCTION

GENERAL CONTRACTOR SHALL ENSURE THAT OTHER TRADE PERSONNEL

SHEET PLACEMENT, QUANTITY, TYPE AND SPACING OF MEMBRANE FASTENERS, LOCATION AND TYPE OF PENETRATIONS AND TYPE OF VAPOUR RETARDER, INSULATION AND INSULATION FASTENER TO BE USED. 2 SUBMIT SHOP DRAWINGS AND ANY PROPOSED NON-STANDARD DETAILS TO FIRESTONE A MINIMUM OF TWO WEEKS PRIOR TO JOB START FOR

SUBMIT SHOP DRAWINGS, CURRENT MANUFACTURER INSTALLATION

INSTRUCTIONS AND DETAIL DRAWINGS BEING USED ON THIS PROJECT TO

.1 SHOP DRAWINGS ARE TO BE PREPARED DETAILING ROOF SIZE, MEMBRANE

1.6 DELIVERY, STORAGE & HANDLING DELIVER ALL ROOFING MATERIALS IN ORIGINAL LINOPENED CONTAINERS. COMPLETE WITH LABELS INDICATING BRAND NAME, CONTENTS, USAGE INSTRUCTIONS AND SAFETY PRECAUTIONS. MEMBRANE ROLLS ARE TO BE LEFT IN THEIR UNOPENED PACKAGING UNTIL IMMEDIATELY PRIOR TO USE 2 PROTECT MEMBRANES FROM CUTS. ABRASION OR OTHER ABUSE THAT

- .3 WHIMS SAFETY BULLETINS ON ALL HAZARDOUS PRODUCTS ARE TO BE READILY AVAILABLE TO THE WORK CREW AT ALL TIMES. 4 ADHESIVES, SEALANTS AND FLASHING ACCESSORIES ARE TO BE STORED IN A CLEAN, DRY AREA AT A TEMPERATURE BETWEEN 5°C AND 27°C. IF EXPOSED TO A LOWER TEMPERATURE, RESTORE TO AN ACCEPTABLE LEVEL
- .5 DO NOT WORK DURING PERIODS OF RAIN, FOG, SLEET, SNOW OR COLD TEMPERATURES (BELOW - 15°C). 6 ENSURE INSULATION AND MEMBRANE FASTENERS WILL NOT DAMAGE OR
- PENETRATE UNDER DECK WIRES, CONDUITS, PIPES ETC
- .1 CONTRACTOR SHALL ENTER PRE-INSTALLATION NOTICE WITH FIRESTONE IN WRITING A MINIMUM OF TWO WEEKS PRIOR TO JOB START THAT A WARRANTY HAS BEEN REQUESTED FOR THIS PROJECT AND THE PROBABLE
- START DATE OF ROOFING WORK. .2 ROOFING SYSTEM SUPPLIER SHALL PROVIDE A WRITTEN WATERTIGHT
- WARRANTY ON SUPPLIER'S STANDARD FORM FOR A PERIOD OF 20 YEARS FROM THE DATE OF ROOFING SYSTEM COMPLETION. 3 ROOFING CONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY AGAINS

LEAKS OR WORKMANSHIP DEFECTS FOR A PERIOD OF 5 YEARS FROM THE

2.0 PRODUCTS

APPLICATION.

DATE OF ROOFING SYSTEM COMPLETION.

- 2.1 SUBSTITUTIONS PRODUCT SUBSTITUTIONS MUST BE APPROVED IN ADVANCE BY BOTH THI SPECIFIER AND THE ROOFING SYSTEM SUPPLIER TO VERIFY COMPATIBILIT AND ACCEPTABILITY. THE MANUFACTURER OF THE SUBSTITUTE PRODUCT MUST SPECIFICALLY RECOMMEND THEIR PRODUCT FOR THIS TYPE OF
- 2.2 VAPOUR RETARDER 1 MINIMUM 10 MIL THICK POLYETHYLENE VAPOUR RETARDER MEETING CGSB 51-34-M86 AND WITH A MOISTURE VAPOUR TRANSMISSION RATE LESS

SCREWS ARE TO BE FACTORY MUTUAL LISTED AND APPROVED #1:

DIAMETER WITH ROUND OR FLAT HEAD, CORROSION TREATED TO

- THAN 2.4 NG/PAS M2 (0.04 PERMS) WHEN TESTED IN ACCORDANCE WITH ASTM E-96. PROCEDURE B. 2.3 INSULATION FASTENERS: 1 STRUCTURAL STEEL OR WOOD DECKS: INSULATION SECUREMENT
- LENGTH TO PENETRATE PLATE, INSULATION, VAPOUR RETARDER, EXISTIN ROOF AND STRUCTURAL ISTEEL OR PLYWOOD DECK A MINIMUM OF 13 MM (0.5"); WOOD PLANK A MINIMUM OF 38 MM (1.5") ACCEPTABLE PRODUCT FOR WOOD OR METAL DECKS:FIRESTON PRE-ASSEMBLED INSULATION FASTENERS TREATED WITH CX-5 COATING,

AMOUNT OF RED RUST SHOWING. FASTENER MUST BE OF SUFFICIENT

VITHSTAND 30 CYCLES OF THE KESTERNICH TEST WITH ONLY A MINIMUM

A. INSULATION

SEALANT.PACKAG

SPLIT PIPE BOOTS.

SEALANT.

COMPLETE WITH METAL STRESS PLATE.

PROVIDE OVERALL THERMAL RESISTANCE FOR ROOFING SYSTEM AS FOLLOWS a. MINIMUM R-VALUE: 27.7.

2. INSTALL USING A MINIMUM OF TWO LAYERS. CONFIGURATION

2.5 ROOFING MEMBRANE SYSTEM: MEMBRANE: WHITE, 1.5 MM THICK POLYESTER SCRIM REINFORCED ULTRAPLY TPO MEMBRANE MEETING THE PHYSICAL CHARACTERISTICS

SPECIFIED IN MANUFACTURERS "MECHANICALLY FASTENED FIRESTONE

AS INDICATED ON THE DRAWINGS

.6 CUT MEMBRANE EDGE SEALANT: ULTRAPLY TPO CUT EDGE

.8 BONDING ADHESIVES: ULTRAPLY TPO BONDING ADHESIVE.

- ULTRAPLY TPO ROOF SYSTEM SPECIFICATIONS. MINIMUM SOLAR REFLECTIVE INDEX (SRI) VALUES FOR LOW SLOPED ROOF (< 2:12) TO BE: INITIAL SRI VALUE: 82; 3 YEAR AGED SRI VALUE: 64. 2 PERIMETER SHEETS: ULTRAPLY TPO MEMBRANE SHEETS AS DESCRIBED IN 2.2.1, WIDTH LIMITED AS REQUIRED BY MANUFACTURER.
- .3 PARAPET / WALL FLASHING: ULTRAPLY TPO MEMBRANE AS DESCRIBED IN 2.2.1, CUT TO APPROPRIATE WIDTHS AND LENGTHS. .4 CORNER & PROTRUSION FLASHING: ULTRAPLY TPO NON-REINFORCED .5 MEMBRANE CLEANER: ULTRAPLY TPO SEAM CLEANER.
- MEMBRANE FASTENERS: STEEL OR WOOD DECKS:MEMBRANE FASTENERS (PRE-ASSEMBLED OR LOOSE), TREATED WITH CX-5 COATING AND COMPLETE WITH 60 MM (2-3/8") DIAMETER BARBED LAP PLATE. FASTENER MUST BE OF SUFFICIENT LENGTH TO PENETRATE PLATE, MEMBRANE, INSULATION, VAPOUR RETARDER, EXISTING ROOF AND STRUCTURAL ISTEEL OR PLYWOOD DECK A MINIMUM OF 13 MM (0.5"); WOOD PLANK A MINIMUM OF 38
- .9 WATER CUT-OFF MASTIC: ULTRAPLY TPO GENERAL PURPOSE SEALANT. .10 POURABLE SEALER: ULTRAPLY TPO GENERAL PURPOSE SEALANT. .11 TERMINATION SEALER TAPE: ULTRAPLY TERMINATION SEALER TAPE. .12 TERMINATION BAR: FIRESTONE TERMINATION BAR

.13 PIPE / CONDUIT FLASHINGS: ULTRAPLY TPO PRE-FORMED PIPE BOOTS OR

.14 IRREGULAR ROOF PROTRUSIONS: ULTRAPLY TPO GENERAL PURPOSE

1 WOOD NAILERS SHALL BE NEW. #2 WOOD OR BETTER WOOD, FACTORY

IS NOT ACCEPTABLE. NAILERS ARE REQUIRED AT ALL ROOF EDGES OR

GRAVEL STOPS AND SHALL BE INSTALLED SO THAT THE TOP IS FLUSH WIT

REATED FOR ROT RESISTANCE. CREOSOTE OR ASPHALT TREATED WOOD

.15 TRAFFIC PADS: ULTRAPLY TPO PREMIUM WALKWAY PADS OR X-TREDS 2.6 WOOD NAILERS

THE TOP OF THE MEMBRANE UNDERLAYMENT, ± 5 MM (1/4")

APPROPRIATE FLASHING FOR EACH APPLICATION.

.1 REFER TO SECTION 076000 - SHEET METAL FLASHING. 2.8 FLASHING ACCESSORIES

HVAC & ELECTRICAL FLASHINGS: TO BE FABRICATED FROM SEAMLESS

SPUN ALUMINIUM. COMPLETE WITH PRIMER COATED FLANGES. USE

2.9 ROOF DRAINS: .1 TO SUIT ROOFING. REFER TO MECHANICAL. 2.10 ROOF HATCH: 762 X 914MM BILCO TYPE S ROOF HATCH, 14 GA, PRIMER COATED GALVANIZED STEEL COMPLETE WITH 75MM BEADED FLANGE, NEATL'

WELDED. INSULATION TO BE 25MM GLASS FIBRE FULLY COVERED BY

SEAL, LATCHING MECHANISM, PADLOCK HASP AND AN AUTOMATIC

PRIMER COATED METAL LINER - 22 GA. THICKNESS. PROVIDE 300MM HIGH 14

GA. PRIMER COATED GALVANIZED STEEL CURB COMPLETE WITH INTEGRAL

CAP FLASHING. HATCH SHALL BE COMPLETELY ASSEMBLED WITH HEAVY

DUTY PINTLE HINGES, TORSION BAR OPERATED DOORS, NEOPRENE DRAF

HOLD-OPEN HANDLE WITH RUBBER GRIP, ALL HARDWARE SHALL BE CADMIUM PLATED. SAFETY BAR: 35 MM DIAMETER SAFETY BAR COATED WITH 20 MIL PVC, COLOR COATED ROOF SAFETY GREEN, SAFETY BAR SHALL BE MOUNTED ON THE RIGHT CORNER OF HATCH CURB WITHOUT IMPEDING

DOOR OPERATION.

2.12 SUPPORTS:

3.0 EXECUTION

3.2 INSPECTION

3.1 INSTALLATION:

2.11 KITCHEN EXHAUST VENTS .1 REFER TO MECHANICAL

.1 REFER TO MECHANICAL FOR PIPING, DUCTING, ETC. SUPPORTS

.2 REFER TO ROOF DETAILS ON DRAWINGS FOR SLEEPER DETAILS.

1 ONLY INSTALL AS MUCH VAPOUR RETARDER AND INSULATION AS CAN BE COMPLETELY AND PROPERLY COVERED BY THE WATERPROOFING MEMBRANE BY THE END OF EACH WORK PERIOD.

.2 COMPLY WITH CURRENT FIRESTONE PUBLISHED INSTALLATION INSTRUCTIONS AND DETAILS THROUGHOUT THE ROOFING MEMBRANE INSTALLATION. .3 THERE SHALL BE NO SMOKING BY ANY PERSONNEL WHILE ON THE ROOF. PROTECT THE ROOF MEMBRANE AT ALL TIMES FROM HIGH HEAT SOURCES SUCH AS CIGARETTE BUTTS OR SPARKS FROM NEARBY WELDING.

EXAMINE ROOF DECK TO VERIFY PROPER PLACEMENT OF ALL ROOF

RETARDER MEMBRANE IS COMPLETELY SEALED TO ALL ROOF

.2 FASTEN NAILERS WHERE SHOWN ON THE SHOP DRAWINGS. WOOD

PROTRUSIONS AND AROUND THE PERIMETER.

OPENINGS, PIPES, CURBS, SLEEVES, DUCTS, VENTS AND DRAINS, ENSURE

DECK IS CLEAN, DRY AND FREE FROM DEBRIS THAT MIGHT BE DETRIMENTAL

THE PERFORMANCE OF THE VAPOUR RETARDER, INSULATION OR 3.3 VAPOUR RETARDER & NAILER INSTALLATION: .1 INSTALL VAPOUR RETARDER MEMBRANE ACCORDING TO THE VAPOUR RETARDER SUPPLIER'S INSTALLATION INSTRUCTIONS. ENSURE VAPOUR

NAILERS SHALL BE FASTENED TO RESIST A MINIMUM FORCE OF 300 KG/M IN

3.4 INSULATION INSTALLATION: POSITION THE APPROVED INSULATION PANELS WITH THEIR LONGEST DIMENSION PERPENDICULAR TO THE DIRECTION OF THE MEMBRANE SEAMS AND WITH THEIR ENDS STAGGERED. ON FLUTED STEEL DECKS, THE ONGER DIMENSION OF THE INSULATION PANELS SHOULD RUN PARALLE WITH THE FLUTES. PANELS ARE TO BE BUTT-EDGED TIGHTLY TOGETHER

WITH A MAXIMUM SPACE BETWEEN PANELS OF 2 MM. VOIDS IN THE

THAT HAS BECOME DAMAGED IN ANY WAY, INCLUDING FACER

STRUCTURALLY SOUND INSULATION.

INSULATION ARE TO BE FILLED WITH FIRESTONE SEALANT OR ANOTHER

COMPATIBLE FILLER. INSULATION INSTALLED IN MULTIPLE LAYERS SHALI HAVE ALL EDGES STAGGERED FROM THE ADJACENT LAYER. INSULATION

DELAMINATION OR COLLAPSE, SHALL BE CUT OUT AND REPLACED WITH

.2 ALL INSULATION PANELS MUST BE MECHANICALLY ATTACHED TO THE

STRUCTURAL DECK WITH FIRESTONE INSULATION FASTENERS AS PER

MANUFACTURER MINIMUM REQUIREMENTS. REFER TO MANUFACTURERS SPECIFICATIONS. FASTENERS MUST BE A MINIMUM OF 15 CM (6") FROM INSULATION PANEL'S EDGE. BOARDS MUST CONFORM TO THE DECK SURFACE. IRREGULAR SURFACES WILL REQUIRE ADDITIONAL FASTENERS. IF THE INSULATION MANUFACTURER'S FASTENING REQUIREMENTS EXCEED THOSE OF FIRESTONE, THEY MUST BE USED IN LIEU OF FIRESTONE'S

- 3.5 POSITIONING & FASTENING OF MEMBRANE:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUITABILITY OF THE SUBSTRATE SURFACE TO ACCEPT THE MEMBRANE. ENSURE INSULATION SURFACE OR SUBSTRATE IS CLEAN, FLAT AND FREE FROM DIRT, DEBRIS OR SHARP OBJECTS THAT MIGHT BE DETRIMENTAL TO THE PERFORMANCE OF
- .2 MEMBRANE SHEETS SHALL BE INSTALLED IN ACCORDANCE WITH FIRESTONE REQUIREMENTS - REFER TO MANUFACTURERS SPECIFICATIONS & FACTORY MUTUAL. IF USING FIRESTONE REQUIREMENTS, PERIMETER SHEETS MUST BE EASTENED IN A PICTURE FRAME PATTERN AROUND THE PERIMETER. FIELD SHEETS SHALL BE INSTALLED PERPENDICULAR TO THE LINDERLYING INSULATION'S GREATER DIMENSION AND, IF ON A STEEL DECK PERPENDICULAR TO THE FLUTE DIRECTION UNLESS THE DECK SLOPE
- 3 UNROLL MEMBRANE SHEETS AND POSITION ACCORDING TO THE PPROVED SHOP DRAWINGS. OUTSIDE PERIMETER SHEETS SHALL BE BROUGHT FLUSH TO THE BASE OF THE PERIMETER PARAPET OR WALL. OR N THE CASE OF A ROOF EDGE, EXTEND OVER THE OUTSIDE EDGE A 40 MM (5.5") ON SIDES AND WHEREVER FASTENERS ARE INCLUDED WITHIN THE SEAM FOR LAPS WITHOUT FASTENERS ARE TO BE LAPPED A MINIMUM OF 6 CM (2"). EXTEND MEMBRANE UP AND OVER A PARAPET WALL OR A
- STRIPBOND™ METHOD OF PERIMETER SECUREMENT FIRESTONE MEMBRANE FASTENERS FOR THE TYPE OF DECK ARE TO BE FASTENED 50 MM (2") IN FROM THE SIDE EDGE OF BOTH PERIMETER AND FIELD MEMBRANE SHEETS, ON MAXIMUM 305 MM (12") CENTRES. FASTENER PLATES AND HEADS SHALL BE FLUSH WITH THE MEMBRANE AND SHALL PENETRATE THE MEMBRANE, INSULATION (EXISTING ROOF, IF APPLICABLE) AND STRUCTURAL DECK ACCORDING TO THE SPECIFIC REQUIREMENTS OF

PROCEEDING TO THE NEXT SHEET

- NOT AN ACCEPTED MEANS OF FIELD SEAMING. 2 HOT AIR WELD ALL SEAMS A MINIMUM OF 38 MM (1.5") WIDE 3 DIRTY, DUSTY OR CONTAMINATED MEMBRANE OR MEMBRANE EXPOSED FOR MORE THAN SEVEN DAYS PRIOR TO WELDING MUST BE CLEANED WITH TPO WEATHERED MEMBRANE CLEANER WITH A CLEAN SCRUB PAD SATURATED WITH TPO WEATHERED MEMBRANE CLEANER, AGGRESSIVELY SCRUB THE SEAM AREA OF THE ROOF MEMBRANE. FOLLOW WITH A FINAL ONE SWIPE PASS, BEING CAREFUL NOT TO RE-DEPOSIT CONTAMINANTS BACK ONTO THE CLEANED AREA. ENSURE THAT THE CLEANER AND ADJACENT BONDING ADHESIVE HAS COMPLETELY FLASHED OFF BEFORE
- REDUCTION IN SPEED. .4 ALL SPLICES ARE TO BE PROBED ALONG THEIR ENTIRE LENGTH WITH A EFFECTIVELY. THE MEMBRANE MUST BE ALLOWED TO COOL PRIOR TO ESTING. IN ADDITION, THERE SHOULD BE A DESTRUCTIVE PEEL STRENGT TEST PERFORMED AT THE START OF EACH DAY AND EACH TIME THE ROBOT VELDER IS REUSED AFTER BEING ALLOWED TO COOL. THE DESTRUCTIVE
- SEALANT ALONG THE EXPOSED EDGE 3.7 PERIMETER FLASHING & SECUREMENT: 1 INSTALL THE IROOF EDGE SYSTEM: GRAVEL STOP: DRIP EDGE
- FASTENED PARALLEL TO THE PERIMETER THROUGH THE INSULATION, VAPOUR RETARDER [EXISTING ROOFING] TO THE STRUCTURAL DECK ON 30 CM (12") CENTRES WITH MEMBRANE FASTENERS AND PLATES. THE PERÌMÉTER FASTENER ROW SHALL BE CENTRED NO FURTHER THAN 150 MM (6") FROM THE PERIMETER. .3 ULTRAPLY QUICKSEAM REINFORCED PERIMETER FASTENING (RFP) STRIP STRIP (UPQSRPF STRIP) WITH THE RELEASE PAPER UP AND THE TAPER PORTION FARTHEST AWAY FROM THE WALL OR PENETRATION. ANCHOR UPQSRPF STRIP USING HEAVY DUTY OR HEAVY DUTY PLUS SEAM PLATES AND FASTENERS 12" (305MM) O.C. MAXIMUM PER CURRENT BASE TIE-IN DETAILS. POSITION ULTRAPLY TPO MEMBRANE OVER UPQSRPF STRIP WITH EASE PAPER IN PLACE AND ALLOW MEMBRANE TO RELAX. FOLD BACK ULTRAPLY TPO MEMBRANE TO EXPOSE THE TAPE. PRIME THE ULTRAPLY
- OR WATER-BASED BONDING ADHESIVE ROLL THE ULTRAPLY TPO MEMBRANE OVER THE UPQSRPF STRIP WITH A 1 1/2" (51MM) WIDE SILICONE HAND ROLLER TO ENSURE PROPER ADHESION. REFER TO INSTALLATION INSTRUCTIONS FOR SPECIFICS REINFORCED FLASHING MEMBRANE SHALL BE EXTENDED UP ALL PARAPET
- BE ACHIEVED BY SECURING THE MEMBRANE UNDER COVER STRIPS OR WITH DOUBLE P.S. STRIPBOND STRIPS. ADHERING UI TRAPI Y TPO TO CONCRETE WOOD METAL OR ACCEPTABLE INSULATIONS: FLASHING MEMBRANE IS TO BE FULLY BONDED TO ALL VERTICAL WALLS AND PARAPETS. APPLY TPO, BONDING ADHESIVE WITH A ROLLER TO THE UNDERSIDE OF THE FLASHING MEMBRANE AND TO THE SUBSTRATE AT THE NET COVERAGE RATE OF 5.7 M2 (60 SQ ET.) / GALLON DO NOT APPLY THE BONDING ADHESIVE TO AREAS ON THE MEMBRANE THAT ARE TO BE HEAT WELDED. APPLY ADHESIVE EVENLY, WITHOUT GLOBS OR PUDDLES. ALLOW THE ADHESIVE TO FLASH-OFF UNTIL IT IS TACKY BUT
- COUNTER-FLASHED WITH SHEET METAL OR A STONE CAP. ALL METAL WATERPROOFED IN AN ACCEPTABLE MANNER 8 IF TERMINATING MEMBRANE PART WAY UP A WALL OR PARAPET APPLY TERMINATION SEALER TAPE TO BACKSIDE OF MEMBRANE EDGE. PRESS
- 3.8 PROTRUSION & CORNER FLASHINGS: INSTALL PRE-FORMED METAL FLASHINGS. DRAIN HOPPERS ETC EXISTING FLASHINGS MUST BE THOROUGHLY CLEANED OF ALL ONTAMINANTS OR REPLACED WITH NEW FLASHINGS. DO NOT FLASH TO
- 3 ALL FLASHING SHALL BE MECHANICALLY FASTENED AT THE TOP, UNDER OR THROUGH APPROPRIATE COUNTERFLASHING WITH APPROVE FASTENERS AND IN ACCORDANCE WITH MANUFACTURERS DETAILS .4 MEMBRANE CONNECTIONS TO DRAINS ARE TO BE SEALED WITH ALL PURPOSE SEALANT OR TERMINATION SEALER TAPE AND CLAMPED WITH A CLAMPING RING TO ASSURE A 100% CONTINUOUS SEAL, AS PER
- HE MEMBRANE IS NOT CLEAN AND DRY, FOLLOW THE STEPS IN SECTION POSSIBLE, WALKWAY PAD SHALL NOT COVER SEAMS. WHEN INSTALLED ADJACENT TO A SEAM, THE PAD SHOULD BE KEPT A MINIMUM 50 MM (2") FROM THE EDGE OF THE SEAM ON THE BOTTOM SHEET AND 15 CM (6")

AWAY FROM THE EDGE OF THE SEAM ON THE TOP SHEET. WHEN COVERING

SECTION 3.5 ABOVE AND THOROUGHLY PROBED, WITH ANY DEFICIENCIES.

CORRECTED PRIOR TO PAD INSTALLATION. WHERE DRAINAGE AROUND THE

OLLOWING STANDARD WELDING PROCEDURES. LEAVE 25 MM TO 50 MM (1"

SEAMS IS UNAVOIDABLE, THE LAP SEAM SHOULD BE COMPLETED PER

PADS IS DESIRED, CUT PADS TO A UNIFORM LENGTH AND SPACE THE

WELD THE PERIMETER OF THE WALKWAY PAD TO THE MEMBRANE

SECTIONS 50 MM (2") APART.

CONTAMINATED WITH THE NIGHT SEALAN

3.10 TEMPORARY NIGHT SEAL: AT THE END OF EACH DAY OR AT THE THREAT OR ONSET OF INCLEMENT WEATHER, THE INSULATION SHALL BE PROTECTED BY EXTENDING THE MEMBRANE BEYOND THE INSULATION AND SEALING IT TO THE DECK WITH MANUFACTURER NIGHT SEALANT OR ANOTHER APPROVED TEMPORARY

SEALANT. ENSURE MEMBRANE EDGE IS EITHER MECHANICALLY FASTENED

WHEN RESUMING WORK, CUT AND DISPOSE OF PORTION OF MEMBRANE

OR SUFFICIENTLY BALLASTED TO PROTECT AGAINST WIND UPLIFT.

- OR RESIDUES AND PRESENTS AN AESTHETICALLY ATTRACTIVE APPEARANCE UPON COMPLETION OF THE ROOFING SYSTEM, AN AUTHORIZED
- .1 PROVIDE PRE-FINISHED METAL SCUPPERS, TO MATCH METAL FLUSHING, AT LOCATIONS AND AS DETAILED ON DRAWING MOP ROOF FELTS INTO SCUPPERS TO FORM WATERTIGHT PENETRATION

- EXCEEDS 3:1, WHEREUPON THE FIELD SHEETS MUST BE INSTALLED
- PERPENDICULAR TO THE SLOPE. MINIMUM OF 75 MM (3"). ADJOINING SHEETS ARE TO OVERLAP A MINIMUM OF
- ROOF EDGE & SECURE IT ALONG THE PERIMETER EDGE USING THE
- THE TYPE OF FASTENER. DO NOT OVERDRIVE FASTENERS TO THE POINT WHERE THE MEMBRANE PLATE IS DEFORMED. .5 EACH MEMBRANE SHEET SHALL BE COMPLETELY FASTENED BEFORE
- 3.6 SPLICING MEMBRANE SHEETS: FIELD SEAMS MUST BE WELDED WITH AN AUTOMATIC HOT AIR WELDER OPERATED BY AN INDIVIDUAL THOROUGHLY TRAINED AND COMPETENT IN THE MACHINE'S OPERATION. SMALL WORK AND REPAIRS CAN BE DONE EFFICIENTLY WITH A HAND WELDER, HOWEVER, HAND-HELD WELDERS ARE
- WELDING. FOLLOW STANDARD WELDING PROCEDURES WITH A 20%
- TEST SAMPLE SHOULD BE 5 CM (2") WIDE AND SHOULD SHOW MEMBRANE DELAMINATION FROM THE SCRIM PRIOR TO WELD FAILURE.

.5 CUT MEMBRANE EDGES SHALL BE SEALED BY APPLYING TPO CUT EDGE

- ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. NAILERS ARE REQUIRED AT ALL ROOF EDGES, GRAVEL STOPS OR DRIP EDGES. DIRECT FASTENER PERIMETER SECUREMENT METHOD: ULTRAPL MEMBRANE SHALL BE BROUGHT FLUSH TO ROOF EDGES, PARAPETS. WALLS, EXPANSION JOINTS, CURBS AND ALL OTHER ROOF PENETRATIONS THAT EXCEED 60 CM (24") IN ANY DIMENSION AND BE MECHANICALLY
- TPO TO BE SPLICED TO THE TAPE USING ULTRAPLY QUICKPRIME AN QUICKSCRUBBER OR QUICKSCRUBBER PLUS PAD AND HANDLE PER RENT PROCEDURES. USE TOUCH-PUSH TEST TO DETERMINE WHEN THE ULTRAPLY QUICKPRIME IS READY TO BE MATED WITH THE TAPE REMOVE THE RELEASE PAPER. ROLL THE PRIMED ULTRAPLY TPO MEMBRANE INTO THE TAPE. THE PORTION OF THE UPQSRPF WITHOUT TAPE IAY BE BONDED TO THE MEMBRANE USING ULTRAPLY BONDING ADHESIVE
- WALLS, CURBS, ROOF EDGES, ETC. IF USING THE DIRECT FASTENER METHOD OF PERIMETER SECUREMENT, THE FLASHING MEMBRANE MUST EXTEND A MINIMUM OF 51 MM (2") BEYOND THE PERIMETER FASTENER PLATES OUT ONTO THE FLAT AREA OF THE ROOF. 5 WHERE REQUIRED, ENHANCED SECUREMENT IN PERIMETER AREAS MAY
- MEMBRANE ONTO THE SUBSTRATE, BEING CAREFUL NOT TO WRINKLE THE MEMBRANE OR BRIDGE IT AT THE VERTICAL / HORIZONTAL JUNCTURE (CREASE THE MEMBRANE FIRST). BRUSH THE MEMBRANE HEAVILY WITH A PUSH BROOM TO ASSURE COMPLETE CONTACT OVER ALL BONDED AREAS. UNLESS APPROVED DETAIL SHOWS OTHERWISE, MEMBRANE MUST EITHER TERMINATE IN A REGI ET, BE FASTENED ACCORDING TO PARAGRAPH 3.6.6

DOES NOT STRING WHEN TOUCHED WITH A DRY FINGER. ROLL THE

- MEMBRANE AGAINST WALLAND ROLL WITH A STEEL HAND ROLLER. FASTEN TERMINATION BAR ALONG THE UPPER EDGE OF THE MEMBRANE INTO THE WALL LISING APPROPRIATE FASTENERS ON 15 CM (6") CENTRES. APPLY ALI PURPOSE SEALANT ALONG UPPER EDGE OF BAR AND OVER TOP OF ALL
- 2 FLASH ALL CORNERS VENT PIPES POSTS CURBS AND PRE-FORMED FLASHINGS IN STRICT ACCORDANCE WITH CURRENT FIRESTONE INSTALLATION INSTRUCTIONS AND DETAILS. USE ADHESIVES AND SEALANTS IN CONJUNCTION WITH PRE-MOLDED FLASHINGS, INSTALLED IN ACCORDANCE WITH INSTALLATION REQUIREMENTS AND DETAILS. DO NOT APPLY ADHESIVES TO AREAS ON THE FLASHING THAT ARE TO BE SEAMED. SEAM AS PER SECTION 3.5 ABOVE.
- MANUFACTURER DETAILS. FIELD SEAMS SHALL NOT RUN THROUGH DRAINS. 3.9 TRAFFIC WALKWAYS ENSURE MEMBRANE TO RECEIVE TRAFFIC PADS IS CLEAN AND DRY. IF 3.5.3 BEFORE PROCEEDING WITH THE REMAINDER OF THIS SECTION. POSITION THE WALKWAY PAD AND CUT TO DESIRED LENGTH. WHEREVER
- TO 2") GAPS IN THE WELD ON THE LOW SLOPE EDGE EVERY 60 CM (2 FT.) TO PREVENT THE ACCUMULATION OF WATER UNDER THE PAI
- REMOVE ALL CUT PIECES, WRAPPINGS, WASTE AND DEBRIS FROM THE JOB SITE. .2 ENSURE THAT THE MEMBRANE IS CLEANED OF ALL SPILLED ADHESIVES

FIRESTONE REPRESENTATIVE WILL MAKE AN INSPECTION OF THE INSTALLATION FOR WARRANTY ACCEPTANCE. 3.13 SCUPPERS:

END OF SECTION 07 50 00

REVISIONS Date Description 8/01/2023 RESPONSE TO CITY 9/04/2023 HEALTH COMMENTS 9/12/2023 RESPONSE TO CITY 9/12/2023 HEALTH COMMENTS DRAWINGS REVISED AS PER DESIGN BULLETIN Date

ISSUE TABLE

Date

Description

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9.14.2023

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SPECIFICATIONS Checked

SH JUNE 2023 Proiect No. Drawing No C22-129

US 2112 PROTOTYPE Location 1517 NC 24-87 CAMERON, NO

ARCHITECTURAL

PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE FASTENERS: SAME MATERIAL AND FINISH AS GUTTERS AND DOWNSPOUTS. PART 3 - EXECUTION **ISSUE TABLE** 1.2 REFERENCES SHEET METAL FLASHING AND TRIM SECTION 07 62 00 **DIVISION 8 - OPENINGS** SPLASH BLOCK: CONCRETE, 12" W. X 24" L. (MIN.) ONE OF THE FOLLOWING: C. EXTERIOR STOREFRONT: 3.1 EXAMINATION A. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION SPECIFICATIONS A. INSULATING GLASS a. POLYMERIC SYSTEMS, INC.; PSI-901. KAWNEER TRIFAB VERSAGLAZE 451T, THERMALLY BROKEN, 2" X 4 1/2" WITH 1" PART 1 - GENERAL METAL DOORS & FRAMES **SECTION 08 11 00** Description INSULATING GLASS: ASTM E2190 CERTIFIED BY INSULATING GLASS A. EXAMINE SUBSTRATES AND CONDITIONS, WITH INSTALLER PRESENT, FOR B. AMERICAN SOCIETY MECHANICAL ENGINEERS STANDARDS SPECIFICATIONS A. FORM GUTTERS AND DOWNSPOUTS OF PROFILES AND SIZE INDICATED. RELATED DOCUMENTS CERTIFICATION COUNCIL AND INSULATING GLASS MANUFACTURERS C. ASTM INTERNATIONAL SPECIFICATIONS PART 1 - GENERAL PENETRATING ITEMS. SUBSTRATES, AND OTHER CONDITIONS AFFECTING 2. CRL-US ALUMINUM SERIES IT451 STOREFRONT SYSTEM, THERMALLY BROKEN, 2" X ALLIANCE; WITH LOW E COATING ON SURFACE 2 AND GLASS ELASTOMER FABRICATE WITH REQUIRED CONNECTION PIECE SIKA CORPORATION, CONSTRUCTION PRODUCTS DIVISION; ERFORMANCE OF FIRESTOPPING. DO NOT PROCEED WITH INSTALLATION UNTIL A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. 4-1/2" WITH 1" INSULATED CLASS LOW E GLASS UNIT CONSUMER PRODUCTS SAFETY COMMISSION EDGE SEAL: PURGE INTERPANE SPACE WITH DRY AIR: TESTED IN SIKAFLEX - 15LM. FORM SECTIONS SQUARE TRUE AND ACCURATE IN SIZE IN MAXIMUM POSSIBI UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. CCORDANCE WITH ASTM E2188 FOR UNIT PERFORMANCE AND ASTM 3. YKK AP YES 45 FI Center Set Flush Glazed Storefront System, Thermally Broken, 2" x PART 2 - PRODUCTS E. DUPONT POWDER COATING TEST METHOD. TREMCO INCORPORATED: VULKEM 921 OR DYMONIC FC. LENGTHS, FREE OF DISTORTION OR DEFECTS DETRIMENTAL TO APPEARANCE OR A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. E2189 FOR RESISTANCE TO FOGGING. 4-1/2" with 1" Insulated Class Low E Glass Unit. PERFORMANCE. ALLOW FOR EXPANSION AT JOINTS. MANUFACTURER'S F. H.P. WHITE LABORATORY, INC 3.2 PREPARATION 'ISA'- SINGLE-COMPONENT POLIRABLE MOISTURE CURING POLYURETHANI a. INSULATING GLASS UNIT EDGE SEAL CONSTRUCTION: ALUMINUM, HEM EXPOSED EDGES OF METAL MIN 1/2" FOLD OVER. JOINT SEALANT: ASTM C 920, TYPE S, GRADE P, CLASS 100/50, FOR USE NT BENT AND SPOT WELDED CORNERS. A. COUNTER FLASHINGS: FRY REGLET: TYPE M-A MASONRY SPRINGLOCK FLASHING G. NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS. SURFACE CLEANING: CLEAN OUT OPENINGS AND JOINTS IMMEDIATELY PRIOR TO A. PROVIDE FRAMES COMPLYING WITH STEEL DOOR INSTITUTE "RECOMMENDED 1. KAWNEER TRIFAB VERSAGLAZE 451, 2" X 4 1/2" WITH 1/4" GLASS OR CHENEY: TYPE B, SNAPLOCK SYSTEM OR O'KEEFFE'S, INC.: TYPE MI, PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE E. FABRICATE GUTTER AND DOWNSPOUT ACCESSORIES; SEAL WATERTIGHT 2.5 SECURITY DEVICE ACCESSORIES SPECIFICATIONS STANDARD STEEL DOORS AND FRAMES" ANSI/SDI-100 AND AS HEREIN H. SAE INTERNATIONAL. FIRESTOPPING MANUFACTURER AND THE FOLLOWING REQUIREMENTS: REMOVE ONE OF THE FOLLOWING: 2. CRL-US ALUMINUM SERIES 451 STOREFRONT SYSTEM, NON-THERMAL, 2" X 4-1/2" 2.5 FACTORY FINISHING A. SECURITY LOCK BAR: SLIDING ALUMINUM LOCK BAR. STEEL STRUCTURES PAINTING COUNCIL. ALL FOREIGN MATERIALS FROM SURFACES OF OPENING AND JOINT SUBSTRATES a. DOW CORNING CORPORATION; 890-SL B. FIRE-RATED DOOR ASSEMBLIES: UNITS THAT COMPLY WITH NFPA 80, ARE IDENTICAL TO AND FROM PENETRATING ITEMS THAT COULD INTERFERE WITH ADHESION OF B. HOOK-LOCK: MAXIMUM SECURITY ADAMS RITE STYLE HOOK LOCK ON ALL B. PARAPET CAP/COPINGS: PAC-CLAD PETERSON ALUMINUM; PAC-CONTINUOUS THERMO CURED FLUOROCARBON "KYNAR 500" RESIN COATING. J. UNDERWRITERS LABORATORY. 3. YKK AP 45 FI CENTER SET FLUSH GLAZED STOREFRONT SYSTEM W/ GLAZING FIRESTOPPING. CLEAN OPENING AND JOINT SUBSTRATES AND PENETRATING DOOR AND FRAME ASSEMBLIES WHOSE FIRE RESISTANCE CHARACTERISTICS HAVE b. PECORA CORPORATION; 300 PAVEMENT SEALANT (SELF-LEVELING). CLEAT COPING. B. PRIMER COAT: FINISH CONCEALED SIDE OF METAL SHEETS WITH WASH COAT ADAPTER, NON-THERMAL, 2" X 4-1/2" WITH 1/4" GLASS. ITEMS TO PRODUCE CLEAN, SOUND SURFACES CAPABLE OF DEVELOPING BEEN DETERMINED PER ASTM E 152 AND WHICH ARE LABELED AND LISTED BY UL 1.3 PERFORMANCE REQUIREMENTS AND PRIMER COMPATIBLE WITH FINISH SYSTEM, AS RECOMMENDED BY FINISH TREMCO INCORPORATED; VULKEM 45. FACTORY MUTUAL, WAMOCK HERSEY, OR OTHER TESTING AND INSPECTING C. VENTED SOFFIT: DIMENSIONAL METALS, INC. OR PETERSON ALUMINUM OPTIMUM BOND WITH FIRESTOPPING. REMOVE LOOSE PARTICLES REMAIN ORGANIZATION ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. A. SYSTEM DESIGN: DESIGN AND SIZE COMPONENTS TO WITHSTAND DEAD LOADS AND LIVE CORPORATION OR ATLAS ALUMINUM, INC. SYSTEM MANUFACTURER. FROM CLEANING OPERATION. REMOVE LAITANCE AND FORM RELEASE AGENTS E. SWING DOORS (AS APPLICABLE): (BASIS OF DESIGN) FABRICATE WINDOW TO DIMENSIONS INDICATED ON DRAWINGS OADS CAUSED BY PRESSURE AND NEGATIVE WIND LOADS ACTING NORMAL TO PLANE FROM CONCRETE. 1.3 DELIVERY, STORAGE AND HANDLING PART 3 - EXECUTION SHEET METAL FLASHING AND TRIM MATERIALS FABRICATE WINDOWS DRAWERS AND ACCESSORIES TO PROVIDE A COMPLETE 'JS-5'- LATEX JOINT SEALANT: ACRYLIC LATEX OR SILICONIZED ACRYLIC LATEX OF WINDOW AS CALCULATED IN ACCORDANCE WITH APPLICABLE CODE. 1. KAWNEER 190 SERIES SINGLE ACTING NARROW STILE DOOR WITH 1" TEMPERED PRIMING: PRIME SUBSTRATES WHERE RECOMMENDED BY FIRESTOPPING A DELIVER FRAMES CARDBOARD-WRAPPED OR CRATED TO PROVIDE PROTECTION DURING ZINC-COATED STEEL: COMMERCIAL QUALITY WITH 0.20 PERCENT COPPER, ASTN ASTM C 834, TYPE OP, GRADE NF, GLASS AND 10" BOTTOM RAIL. SYSTEM FOR ASSEMBLY OF COMPONENTS AND ANCHORAGE OF WINDOW. B. SYSTEM INTERNAL DRAINAGE: DRAIN WATER ENTERING JOINTS, CONDENSATION MANUFACTURER USING THAT MANUFACTURER'S RECOMMENDED PRODUCTS AND RANSIT AND JOB STORAGE. PROVIDE ADDITIONAL PROTECTION TO PREVENT DAMAGE A526, EXCEPT ASTM A527 FOR LOCK FORMING, G90 HOT-DIPPED GALVANIZED, MILL 2. CRL-US ALUMINUM NARROW STILE SERIES 250 DOOR SYSTEM WITH 1" TEMPERED RRING IN GLAZING CHANNELS, AND MIGRATING MOISTURE OCCURRING WITHIN METHODS. CONFINE PRIMERS TO AREAS OF BOND: DO NOT ALLOW SPILLAGE A. VERIFY THAT SURFACES ARE READY TO RECEIVE WORK. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE **REVISIONS** TO FINISH OF FACTORY-FINISHED FRAMES. SYSTEM TO EXTERIOR BY WEEP DRAINAGE NETWORK GLASS AND 10" BOTTOM RAIL. PROVIDE UNITS THAT ARE REGLAZABLE FROM THE SECURE SIDE IND MIGRATION ONTO EXPOSED SURFACES ONE OF THE FOLLOWING: 3.2 PREPARATION B. INSPECT FRAMES UPON DELIVERY FOR DAMAGE. MINOR DAMAGES MAY BE REPAIRED. B. MATERIAL GAUGES TO BE AS FOLLOWS WITHOUT DISMANTLING THE NONSECURE SIDE OF FRAMING. 3. YKK AP 20D ENTRANCE SYSTEM WITH 1" TEMPERED GLASS AND 10" BOTTOM RAIL. AIR AND VAPOR SEAL: MAINTAIN CONTINUOUS AIR BARRIER AND VAPOR RETARDER MASKING TAPE: USE MASKING TAPE TO PREVENT FIRESTOPPING FRO a. BOSTIK, INC.; CHEM-CALK 600 PROVIDED REFINISHED ITEMS ARE EQUAL IN ALL RESPECTS TO NEW WORK AND Date Description PAINT CONCEALED METAL SURFACES AND SURFACES IN CONTACT WITH THROUGHOUT ASSEMBLY, PRIMARILY IN LINE WITH [INSIDE] PANE OF GLASS AND HEE PREPARE SECURITY WINDOWS FOR GLAZING UNLESS PREGLAZING AT CONTACTING ADJOINING SURFACES THAT WILL REMAIN EXPOSED UPON METAL FLASHING: 26 GA. MATERIALS b. PECORA CORPORATION; AC-20+ ACCEPTABLE TO ARCHITECT; OTHERWISE, REMOVE AND REPLACE DAMAGED ITEMS AS OMPLETION OF WORK AND THAT WOULD OTHERWISE BE PERMANEN BEAD OF GLAZING COMPOUND. [POSITION THERMAL INSULATION ON EXTERIOR SURFACE DISSIMILAR METALS WITH PROTECTIVE BACKING PAINT TO A MINIMUM DRY FILM THE FACTORY IS INDICATED METAL CAP/COPING: 24 GA. A. ALUMINUM MEMBERS: ALLOY AND TEMPER RECOMMENDED BY THE MANUFACTURE OF AIR BARRIER AND VAPOR RETARDER. THICKNESS OF 15 MIL. STAINED OR DAMAGED BY SUCH CONTACT OR BY CLEANING METHODS USED TO c. TREMCO INCORPORATED; TREMFLEX 834. PROVIDE WEEP HOLES AND INTERNAL WATER PASSAGES FOR EXTERIOR 8/01/2023 RESPONSE TO CITY FOR STRENGTH, CORROSION RESISTANCE, AND APPLICATION OF REQUIRED FINISH C. STORE FRAMES AT BUILDING SITE LINDER COVER. PLACE UNITS ON MINIMUM 4-INCHES REMOVE SMEARS FROM FIRESTOPPING MATERIALS. REMOVE TAPE AS SOON AS MISCELLANEOUS TRIM: 24 GA. PROVIDE GLASS AND GLAZING MATERIALS FOR CONTINUITY OF BUILDING ENCLOSURE 3.3 INSTALLATION EXTRUSIONS SHALL BE 6063 T5 ALLOY AND TEMPER TO COMPLY WITH ASTM B 221 FOR SECURITY WINDOWS TO CONDUCT INFILTRATING WATER TO THE EXTERIOR. 2.5 METALLIC PUTTY SEALANTS IT IS POSSIBLE TO DO SO WITHOUT DISTURBING FIRESTOPPING'S SEAL WITH HIGH WOOD BLOCKING. AVOID USE OF NON-VENTED PLASTIC OR CANVAS SHELTERS VAPOR RETARDER AND AIR BARRIER: WHICH COULD CREATE HUMIDITY CHAMBER. IF CARDBOARD WRAPPER ON DOOR LOUVER RAIN HOODS: 22 GA A. INSTALL GUTTERS, DOWNSPOUTS, AND ACCESSORIES AS SPECIFIED. ALUMINUM EXTRUSIONS, ASTM B 209 FOR ALUMINUM SHEET OR PLATE, AND ASTM B 21 RIGIDLY FIT AND SECURE JOINTS AND CORNERS WITH INTERNA A. 'JS-7' - METALLIC PUTTY: RIGID, TWO-PART EPOXY RESIN BASED PUTTY SYSTEM. 9/04/2023 HEALTH COMMENTS BECOMES WET, REMOVE CARTON IMMEDIATELY. PROVIDE SPACES BETWEEN FOR ALUMINUM BARS, RODS AND WIRE. 1. TO UTILIZE THE INNER PANE OF MULTIPLE PANE SEALED UNITS FOR THE REINFORCEMENT. MAKE JOINTS AND CONNECTIONS FLUSH, HAIRLINE, AND C. ALL FLASHINGS AND COPINGS TO BE SELF-LOCKING WITH PERMANENT INSTALLING THROUGH-PENETRATION FIRESTOPS SHEET METAL: JOIN LENGTHS WITH SEAMS SEALED WATERTIGHT. FLASH AND PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE STACKED DOORS TO PROMOTE AIR CIRCULATION. CONTINUITY OF THE AIR BARRIER AND VAPOR RETARDER SEAL. WEATHERPROOF. FULLY WELD CORNERS. B. CARBON STEEL REINFORCEMENT OF ALUMINUM FRAMING MEMBERS SHALL COMPLY HOLD-DOWN CLIPS. ALL EXPOSED EDGES TO BE HEMMED. SEAL GUTTERS TO DOWNSPOUTS (PROVIDE POSITIVE DRAINAGE TO
GENERAL: COMPLY WITH THE "SYSTEM PERFORMANCE REQUIREMENTS" ARTICLE ONE OF THE FOLLOWING VITH ASTM A 36 FOR STRUCTURAL SHAPES, PLATES AND BARS, ASTM A 611 FOR COLD 9/12/2023 RESPONSE TO CITY PART 2 - PRODUCTS 1. FABRICATE FRAMING WITH MANUFACTURER'S STANDARD, INTERNAL D ALL EXPOSED METALS SHALL BE PRE-FINISHED IN "KYNAR 500" AND SHALL HAVE A N PART 1 AND THE THROUGH-PENETRATION FIRESTOP MANUFACTURER'S a. PEERLESS INDUSTRIAL SYSTEMS; EPIGEM 2008. ROLLED SHEET AND STRIP. OR ASTM A 570 FOR HOT ROLLED SHEET AND STRIP. OPAQUE ARMORING IN THICKNESSES REQUIRED FOR SECURITY 1.4 SUBMITTALS SLOPE GUTTERS TO DOWNSPOUTS (PROVIDE POSITIVE DRAINAGE TO 20 YEAR LIMITED PAINT WARRANTY. COLOR: AS INDICATED ON DRAWINGS OR AS INSTALLATION INSTRUCTIONS AND DRAWINGS PERTAINING TO PRODUCTS AND 2.1 MANUFACTURERS WINDOWS TO COMPLY WITH BALLISTICS-RESISTANCE PERFORMANCE C. GLASS AND GLAZING MATERIALS: COMPLY WITH REQUIREMENTS OF SECTION 08800, OF CHOSEN BY ARCHITECT FROM MANUFACTURER'S STANDARD SELECTION. b. EQUAL PRODUCTS AS APPROVED BY ARCHITECT. 9/12/2023 HEALTH COMMENTS E. SHOP DRAWINGS: A. PROVIDE PRODUCTS FROM ONE OF THE FOLLOWING: INDICATED. INSTALL FORMING/DAMMING MATERIALS AND OTHER ACCESSORIES OF TYPES MISCELLANEOUS MATERIALS AND ACCESSORIES AMWELD CORPORATION . INDICATE CONFIGURATION, SIZES, ROUGH-IN, MOUNTING, CONSTRUCTION AND PREPARE COMPONENTS WITH REINFORCEMENT REQUIRED FOR HARDWARE SFAL CONNECTION WATERTIGHT. PROVIDE SPLASH BLOCKS AT ALL LOCATIONS D. FASTENERS: PROVIDE FASTENERS OF ALUMINUM, NONMAGNETIC STAINLESS STEEL, IN REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE A. SOLDER: FOR USE WITH STEEL OR COPPER, PROVIDE 50-50 TIN/LEAD SOLDER ACOUSTICAL JOINT SEALANT: MANUFACTURER'S STANDARD NONSAG, PAINTABLE, GLAZING DETAILS AS WELL AS INSTALLATION CLEARANCES AND FINISHES POSITION NEEDED TO PRODUCE THE CROSS-SECTIONAL SHAPES AND DEPTHS ACCORDANCE WITH ASTM A 164. WHERE DOWNSPOUTS DO NOT TIE INTO A STORM SEWER. WELDING: TO GREATEST EXTENT POSSIBLE, WELD BEFORE FINISHING AND IN (ASTM B32), WITH ROSIN FLUX. NONSTAINING LATEX SEALANT COMPLYING WITH ASTM C 834. PRODUCT REQUIRED TO ACHIEVE FIRE RATINGS OF DESIGNATED THROUGH-PENETRATION INCEALED LOCATIONS TO MINIMIZE DISTORTION OR DISCOLORATION OF END OF SECTION 07 71 23 REINFORCEMENT: WHERE FASTENERS SCREW-ANCHOR INTO ALUMINUM. RESTOP SYSTEMS. AFTER INSTALLING FILL MATERIALS, REMOVE COMBUSTIBLE FINISH. REMOVE WELD SPATTER AND WELDING OXIDES FROM EXPOSED B. FASTENERS: SAME METAL AS FLASHING /SHEET METAL OR OTHER HOT-ROLLED STEEL SHEETS AND STRIP: COMMERCIAL QUALITY CARBON STEEL, MEMBERS LESS THAN 0.125 INCHES THICK, REINFORCE THE INTERIOR WITH JOINTS AND OPENINGS IN BUILDING CONSTRUCTION AS DEMONSTRATED BY SUBMIT MANUFACTURER'S PRODUCT DATA FOR SPECIFIED PRODUCTS INDICATING FORMING MATERIALS AND OTHER ACCESSORIES NOT INDICATED AS PERMANEN SURFACES BY DESCALING OR GRINDING. DRAWINGS REVISED AS PER DESIGN BULLETIN NON-CORROSIVE METAL AS RECOMMENDED BY SHEET MANUFACTURER. MATCH SECTION 07 84 00 ALUMINUM OR NONMAGNETIC STAINLESS STEEL TO RECEIVE SCREW THREADS PICKLED AND OILED, COMPLYING WITH ASTM A 569 AND ASTM A 568. TESTING REPRESENTATIVE ASSEMBLIES ACCORDING TO ASTM E 90. MATERIALS, OPERATION CHARACTERISTICS, AND FINISHES. OMPONENTS OF FIRESTOP SYSTEMS FINISH OF EXPOSED HEADS WITH MATERIAL BEING FASTENED. OR PROVIDE STANDARD NONCORROSIVE PRESSED-IN SPLINED GROMMET NUTS. METAL PROTECTION: SEPARATE DISSIMILAR METALS TO PROTECT AGAINST B. COLD-ROLLED STEEL SHEETS: COMMERCIAL QUALITY CARBON STEEL, COMPLYING WITH PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PART 1 - GENERA 3.4 INSTALLING FIRE-RESISTIVE JOINT SEALANTS C. SAMPLES BITUMINOUS COATING: SSPC - PAINT 12, SOLVENT TYPE BITUMINOUS MASTIC. GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH PRIMER OR BY EXPOSED FASTENERS: DO NOT USED EXPOSED FASTENERS EXCEPT FOR ASTM A 366 AND ASTM A 568. ONE OF THE FOLLOWING: Description APPLYING SEALANT OR TAPE RECOMMENDED BY MANUFACTURER FOR THIS NOMINALLY FREE OF SULFUR, COMPOUNDED OF 15 MIL DRY FILM THICKNESS PER APPLICATION OF HARDWARE. FOR APPLICATION OF HARDWARE, USE PHILLIPS 1. SUBMIT TWO SAMPLES, 4 X 4 INCHES (100 X 100 MM) IN SIZE ILLUSTRATING METAL GENERAL: COMPLY WITH THE "SYSTEM PERFORMANCE REQUIREMENTS' ARTICLE C. GALVANIZED STEEL SHEETS: ZINC-COATED CARBON STEEL SHEETS OF COMMERCIAL a. PECORA CORPORATION; AC-20 FTR OR AIS-919. FINISHES FOR EACH FINISH SPECIFIED FLAT-HEAD MACHINE SCREWS THAT MATCH THE FINISH OF MEMBER OR IN PART 1. WITH ASTM C 1193 AND WITH THE SEALANT MANUFACTURER'S UALITY, COMPLYING WITH ASTM A 526, OR DRAWING QUALITY, ASTM A 642, HOT DIPPE A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. NSTALLATION INSTRUCTIONS AND DRAWINGS PERTAINING TO PRODUCTS AND H. FACTORY-CUT OPENINGS IN GLAZING FOR SPEAKING APERTURES. MASTIC SEALANT: POLYISOBUTYLENE; NON-HARDENING, NON-SKINNING USG CORPORATION; SHEETROCK ACOUSTICAL SEALANT. D. MANUFACTURER'S INSTALLATION INSTRUCTIONS GALVANIZED IN ACCORDANCE WITH ASTM A 525, WITH A60 OR G60 COATING APPLICATIONS INDICATED. NON-DRYING, NON-MIGRATING SEALANT E. CONCEALED FLASHING: 0.040-INCH-THICK ALUMINUM BRAKE METAL TRIM. ANODIZED SUBMIT INSTALLATION INSTRUCTIONS WITH REQUIREMENTS TO ACCOMMODATI PREGLAZED FABRICATION: PREGLAZE WINDOW UNITS AT FACTORY, WHERE JOINT SEALANT BACKING INSTALL JOINT FILLERS TO PROVIDE SUPPORT OF SEALANTS DURING FINISH TO MATCH STOREFRONT. ELASTOMERIC SEALANT: GENERIC TYPE RECOMMENDED BY MANUFACTURER OF A. FIRE-TEST-RESPONSE CHARACTERISTICS: PROVIDE FIRESTOPPING THAT D. SUPPORTS AND ANCHORS: FABRICATE OF NOT LESS THAN 18-GAGE SHEET STEEL; REQUIRED FOR APPLICATIONS INDICATED. SPECIFIC SITE CONDITIONS GENERAL: PROVIDE SEALANT BACKINGS OF MATERIAL AND TYPE THAT ARE APPLICATION AND AT POSITION REQUIRED TO PRODUCE THE CROSS-SECTIONA METAL AND FABRICATED COMPONENTS BEING SEALED AND COMPLYING WITH COMPLIES WITH THE FOLLOWING REQUIREMENTS AND THOSE SPECIFIED UNDER BRACKETS AND REINFORCEMENTS: HIGH-STRENGTH ALUMINUM BRACKETS AND GALVANIZED WHERE USED WITH GALVANIZED FRAMES. WEATHER STRIPPING: FACTORY APPLIED. SHAPES AND DEPTHS OF INSTALLED SEALANTS RELATIVE TO JOINT WIDTHS THAT NON-STAINING; ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMER 1.5 QUALITY ASSURANCE REQUIREMENTS FOR JOINT SEALANTS AS SPECIFIED IN DIVISION 7 - SEALANTS THE "SYSTEM PERFORMANCE REQUIREMENTS" ARTICLE: REINFORCEMENTS; WHERE USE OF ALUMINUM IS NOT FEASIBLE PROVIDE NONMAGNETIC AND OTHER JOINT FILLERS: AND ARE APPROVED FOR APPLICATIONS INDICATED E. INSERTS. BOLTS AND FASTENERS: MANUFACTURER'S STANDARD UNITS. WHERE ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY AND DEVELOP BOTTOM SILLS: STAINLESS STEEL CONSTRUCTION, NO BOTTOM TRACKS AND EPOXY SEAM SEALER: TWO-PART NON-CORROSIVE METAL SEAM CEMENTING FIRESTOPPING TESTS ARE PERFORMED BY A QUALIFIED TESTING AND STAINLESS STEEL OR HOT-DIP GALVANIZED STEEL COMPLYING WITH ASTM A 123. A. PRODUCTS REQUIRING ELECTRICAL CONNECTION: LISTED AND CLASSIFIED BY UL OR BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY RE-RESISTANCE RATING REQUIRED. EMS ARE TO BE BUILT INTO EXTERIOR WALLS, HOT-DIP GALVANIZE IN COMPLIANC TESTING FIRM ACCEPTABLE TO AUTHORITY HAVING JURISDICTION. COMPOUND, RECOMMENDED BY THE METAL MANUFACTURER FOR INSPECTING AGENCY. A QUALIFIED TESTING AND INSPECTING AGENCY IS WITH ASTM A 153, CLASS C OR D AS APPLICABLE. G. CONCRETE AND MASONRY INSERTS: CAST IRON, MALLEABLE IRON, OR HOT-DIP INSTALL SEALANTS BY PROVEN TECHNIQUES THAT RESULT IN SEALANTS UI WAMOCK HERSEY OR ANOTHER AGENCY PERFORMING TESTING AND EXTERIOR/INTERIOR NON-MOVING JOINTS INCLUDING RIVETED JOINTS. HANDLES: STAINLESS STEEL, MANUFACTURER'S STANDARD PROFILE AND GALVANIZED STEEL INSERTS COMPLYING WITH ASTM A 123 (WHERE APPLICABLE). B. CYLINDRICAL SEALANT BACKINGS: ASTM C 1330, TYPE C (CLOSED-CELL MATERIAL F. SHOP APPLIED PAINT: APPLY AFTER FABRICATION. PRIMER RUST-INHIBITIVE ENAME DIRECTLY CONTACTING AND FULLY WETTING JOINT SUBSTRATES, COMPLETELY G. ADHESIVE: TYPE RECOMMENDED BY FLASHING SHEET MANUFACTURER FOR WITH A SURFACE SKIN) OR ANY TYPE. AS APPROVED IN WRITING BY OR PAINT, EITHER AIR-DRYING OR BAKING, SUITABLE AS A BASE FOR SPECIFIED FINISH COMPRESSION WEATHER-STRIPPING: MANUFACTURER'S STANDARD REPLACEABLE A. MANUFACTURER: EASISERV CORPORATION, (604) 422-8611 ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. JOINT-SEALANT MANUFACTURER FOR JOINT APPLICATION INDICATED, AND OF WEATHERPROOF/WEATHER-RESISTANT SEAMING AND ADHESIVE APPLICATION PAINTS COMPLYING WITH ANSI A224.1. "TEST PROCEDURE AND ACCEPTANCE CRITERIA COMPRESSIBLE WEATHER-STRIPPING GASKETS OF MOLDED NEOPRENE COMPLYING UNIFORM, CROSS-SECTIONAL SHAPES AND DEPTHS RELATIVE TO JOINT WIDTH 2.8 SHOP FINISHING B. INSTALLER: COMPANY SPECIALIZING IN INSTALLATION OF WINDOW SYSTEMS SPECIFIED FOR FLASHING SHEET. THROUGH-PENETRATION FIRESTOP SYSTEMS ARE IDENTICAL TO THOSE HAT OPTIMUM SEALANT MOVEMENT CAPABILITY. INSTALL SEALANTS AT THE SIZE AND DENSITY TO CONTROL SEALANT DEPTH AND OTHERWISE CONTRIBUTE WITH ASTM D 2000 OR MOLDED PVC COMPLYING WITH ASTM D 2287. FOR PRIME PAINTED STEEL SURFACES FOR STEEL DOORS AND FRAMES! FESTED PER ASTM E 814 UNDER CONDITIONS WHERE POSITIVE FURNAC TO PRODUCING OPTIMUM SEALANT PERFORMANCE. A. ALUMINIUM FINISHES WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENC SAME TIME JOINT FILLERS ARE INSTALLED. H. PAPER SLIP SHEET: 5-LB. ROSIN - SIZED BUILDING PAPER. G. ALL STEEL PRODUCTS SHALL BE FABRICATED UTILIZING ONLY DOMESTICALLY 2.3 ALUMINUM FINISHES PRESSURE DIFFERENTIAL OF AT LEAST 0.01 INCH OF WATER IS MAINTAINED BRONZE ANODIZED ALLIMINIUM SURFACES: AA-M10C22A33 BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE AS POLYETHYLENE UNDERLAYMENT: MINIMUM 6 MIL CARBONATED POLYETHYLENE NON-SPECULAR AS FABRICATED MECHANICAL FINISH, MEDIUM MATTE A. FRAME AND DOOR FINISHES SHALL BE: BLACK ANODIZED (CLASS I, .7 MILS MINIMUM) RECOMMENDED BY SEALANT MANUFACTURER FOR PREVENTING SEALANT FROM A DISTANCE OF 0.78 INCH BELOW THE FILL MATERIALS SURROUNDING THE A. ORDERING: TO AVOID CONSTRUCTION DELAYS
COMPLY WITH ORDERING INSTRUCTIONS FILM; RESISTANT TO DECAY WHEN TESTED IN ACCORDANCE WITH ASTM E154. A. CLEAN OFF EXCESS FILL MATERIALS AND SEALANTS ADJACENT TO OPENINGS CHEMICAL FINISH, AND ARCHITECTURAL CLASS II 0.7 MILS (0.018 MM) ADHERING TO RIGID, INFLEXIBLE JOINT FILLER MATERIALS OR JOINT SURFACES PENETRATING ITEMS IN THE TEST ASSEMBLY. PROVIDE RATED SYSTEMS AND LEAD TIME REQUIREMENTS AS SET BY WINDOW SYSTEM MANUFACTURER AND JOINTS AS WORK PROGRESSES BY METHODS AND WITH CLEANI AT BACK OF JOINT WHERE SUCH ADHESION WOULD RESULT IN SEALANT FAILURE CLEAR ANODIZED COATING. REGLETS: METAL UNITS OF TYPE AND PROFILE INDICATED, COMPATIBLE WITH COMPLYING WITH THE FOLLOWING REQUIREMENTS: A. PROVIDE METAL FRAMES FOR DOORS OF TYPES AND STYLES AS SHOWN ON 2.4 HARDWARE MATERIALS APPROVED BY MANUFACTURERS OF FIRESTOPPING PRODUCTS AND B. PACK WINDOW UNITS AND ACCESSORIES IN MANUFACTURER'S STANDARD SHIPPING PROVIDE SELF-ADHESIVE TAPE WHERE APPLICABLE. FLASHING INDICATED, NON-CORROSIVE DRAWINGS AND SCHEDULES. CONCEAL FASTENINGS, UNLESS OTHERWISE INDICATED. CONFORM TO AAMA 611 THROUGH-PENETRATION FIRESTOP SYSTEM PRODUCTS BEAR OF PRODUCTS IN WHICH OPENING AND JOINTS OCCUR. A PROVIDE HEAVY-DUTY HARDWARE UNITS AS INDICATED, SCHEDULED, OR REQUIRED CONTAINERS AND PROTECTIVE PACKAGING. DELIVER UNITS IN MANUFACTURER'S FABRICATE FRAMES OF MINIMUM 18-GAGE COLD-ROLLED STEEL MISCELLANEOUS MATERIALS K METAL ACCESSORIES: PROVIDE SHEET METAL CLIPS STRAPS ANCHORING CONCEALED STEEL ITEMS: GALVANIZED IN ACCORDANCE WITH ASTM A123 TO CLASSIFICATION MARKING OF QUALIFIED TESTING AND INSPECTING FOR OPERATION OF EACH DOOR, PROVIDE ITEMS OF SIZES, NUMBER, QUANTITY AND ORIGINAL PACKAGING AND UNOPENED CONTAINERS WITH IDENTIFICATION LABELS PROTECT FIRESTOPPING DURING AND AFTER CURING PERIOD FROM CONTACT DEVICES, AND SIMILAR ACCESSORY UNITS AS REQUIRED FOR INSTALLATION OF PRIMER: MATERIAL RECOMMENDED BY JOINT SEALANT MANUFACTURER WHERE TYPE RECOMMENDED BY MANUFACTURER FOR SERVICE REQUIRED: FINISH TO MATCH THICKNESS GRADE 85, 2.0 OZ/SQ FT (610 GM/SQ M). FABRICATE FRAMES WITH MITERED OR COPED CORNERS, WELDED VITH CONTAMINATING SUBSTANCES OR FROM DAMAGE RESULTING FROM WORK, MATCHING OR COMPATIBLE WITH MATERIAL BEING INSTALLED. CONSTRUCTION. DOOR. SUBMIT SHOP DRAWINGS WITH STANDARD HARDWARE COMPONENTS AND REQUIRED FOR ADHESION OF SEALANT TO JOINT SUBSTRATES INDICATED, AS THROUGH-PENETRATION FIRESTOP SYSTEMS CORRESPOND TO CONSTRUCTION OPERATIONS OR OTHER CAUSES SO THAT THEY ARE WITHOUT STAINLESS STEEL: 304 STAINLESS STEEL WITH NAAMM NO. 3 FINISH. STORE WINDOW UNITS AND ACCESSORIES ON RAISED BLOCKS TO PREVENT MOISTURE PROVISIONS FOR SPECIAL SECURITY HARDWARE COMPONENT. FOUR (4) SETS OF KEYS NON-CORROSIVE, SIZE, AND GAUGE REQUIRED FOR PERFORMANCE. DETERMINED FROM PRECONSTRUCTION JOINT SEALANT-SUBSTRATE TESTS AND ETERIORATION OR DAMAGE AT TIME OF CONTRACT COMPLETION. IF, DESPITE FORM EXTERIOR FRAMES FROM 18-GAGE GALVANIZED STEEL THOSE INDICATED BY REFERENCE TO THROUGH-PENETRATION DAMAGE PROTECTED FROM EXPOSURE TO WEATHER AND VANDALISM. APPLY BITUMINOUS PAINT TO CONCEALED METAL SURFACES IN CONTACT WITH FOR HOLD OPEN DEVICES ARE REQUIRED WITH HARDWARE PACKAGE. ELASTIC FLASHING FILLER: CLOSED CELL POLYETHYLENE OR OTHER SOFT CELL SUCH PROTECTION, DAMAGE OR DETERIORATION OCCURS, CUT OUT AND 1.8 FIELD MEASUREMENTS MECHANICAL INTERLOCK NOT ACCEPTED. CEMENTITIOUS OR DISSIMILAR MATERIALS. SYSTEM DESIGNATIONS LISTED BY UL IN THEIR "FIRE RESISTANCE B. CLEANERS FOR NONPOROUS SURFACES: CHEMICAL CLEANERS ACCEPTABLE TO SEE DOOR HARDWARE SCHEDULE. UNDER FLASHING LOOPS TO ENSURE MOVEMENT WITH MINIMUM STRESS ON NEW MATERIALS TO PRODUCE FIRESTOPPING COMPLYING WITH SPECIFIED DIRECTORY," BY WAMOCK HERSEY MANUFACTURERS OF SEALANTS AND SEALANT BACKING MATERIALS. FREE OF REFER TO DOOR SCHEDULE. A. VERIFY FIELD MEASUREMENTS PRIOR TO FABRICATION AND RECORD ON SHOP TOUCH-UP PRIMER FOR GALVANIZED STEEL SURFACES: SSPC PAINT 20 ZINC 2.5 COMPONENTS REQUIREMENTS OILY RESIDUES OR OTHER SUBSTANCES CAPABLE OF STAINING OR HARMING IN DRAWINGS. FIRE-RESISTIVE JOINT SEALANT SYSTEMS ARE IDENTICAL TO THOSE B. DOOR SILENCERS: EXCEPT ON WEATHERSTRIPPED FRAMES, DRILL STOPS TO RECEIVE ANY WAY JOINT SUBSTRATES AND ADJACENT NONPOROUS SURFACES, AND B. STOREFRONT FRAMING SYSTEM: PROVIDE STOREFRONT AND ENTRANCE FRAMING M. ROOFING CEMENT: ASTM D2822, ASPHALTIC. 3 SILENCERS ON STRIKE JAMBS OF SINGLE-DOOR FRAMES AND 2 SILENCERS ON F. EXTENT OF FINISI ITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE 1.9 COORDINATION FORMULATED TO PROMOTE OPTIMUM ADHESION OF SEALANTS WITH JOINT YSTEMS FABRICATED FROM EXTRUDED ALUMINUM MEMBERS OF SIZE AND PROFILE FOR FIRE-RESPONSE CHARACTERISTICS PER ASTM E 119 UNDER END OF SECTION 07 84 00 HEADS OF DOUBLE-DOOR FRAMES. REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR FABRICATED UNITS INDICATED. INCLUDE SUBFRAMES AND OTHER REINFORCING MEMBERS AS REQUIRED APPLY FACTORY COATING TO ALL SURFACES EXPOSED AT COMPLETED COORDINATE WORK WITH ADJACENT MATERIALS SPECIFIED IN OTHER SECTIONS AND AS CONDITIONS WHERE THE POSITIVE FURNACE PRESSURE DIFFERENTIAL IS RANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR 2.4 DOORS (AS APPLICABLE) A. GENERAL METAL FABRICATION: COMPLY WITH DETAILS SHOWN AND WITH ASSEMBLIES. WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN, COPYRIGHT C. MASKING TAPE: NONSTAINING, NONABSORBENT MATERIAL COMPATIBLE WITH JOINT SEALANTS SECTION 07 92 00 APPLICABLE REQUIREMENTS OF SMACNA "ARCHITECTURAL SHEET METAL INCH OF WATER. AS MEASURED 0.78 INCH FROM THE FACE EXPOSED TO JOINT SEALANTS AND SURFACES ADJACENT TO JOINTS. ENTRANCE DOOR FRAMES: PROVIDE TUBULAR AND CHANNEL FRAME ENTRANCE DOOR NFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL ANI A EXTERIOR DOORS: 1-3/4" THICK FLUSH TYPE ANSI/SDI-100 GRADE III HEAVY-DUTY COORDINATE INSTALLATION OF ANCHORAGES FOR SECURITY WINDOWS. FURNISH APPLY FINISH TO SURFACES CUT DURING FABRICATION SO THAT NO MANUAL" AND OTHER RECOGNIZED INDUSTRY PRACTICES. FABRICATE FURNACE FIRE. PROVIDE SYSTEMS COMPLYING WITH THE FOLLOWING FRAME ASSEMBLIES, AS INDICATED, WITH WELDED OR MECHANICAL JOINTS IN NATURAL ALUMINUM IS VISIBLE IN COMPLETED ASSEMBLIES, INCLUDING MODEL 4, MINIMUM 18-GAGE GALVANIZED STEEL FACES WITH POLYSTYRENE CORE SETTING DRAWINGS. TEMPLATES. AND DIRECTIONS FOR INSTALLING ANCHORAGES. PART 1 - GENERAL PART 3 - EXECUTION WATERPROOF AND WEATHER RESISTANT PERFORMANCE: WITH EXPANSION REQUIREMENTS: ACCORDANCE WITH MANUFACTURER'S STANDARDS. REINFORCE AS NECESSARY TO INSULATION, ETC. AND MANUFACTURED AS FRAMES ABOVE. REFER TO DOOR JDING SLEEVES, CONCRETE INSERTS, ANCHOR BOLTS, AND ITEMS WITH INTEGRAL JOINT EDGES. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROVISIONS FOR RUNNING WORK, SUFFICIENT TO PERMANENTLY PREVEN SUPPORT REQUIRED LOADS. a. FIRE-RESISTANCE RATINGS OF JOINT SEALANTS: AS INDICATED BY ANCHORS, THAT ARE TO BE EMBEDDED IN CONCRETE OR MASONRY. DELIVER SUCH RELATED DOCUMENTS 3.1 EXAMINATION APPLY TOUCH-UP MATERIALS RECOMMENDED BY COATING MANUFACTURER FOR FIELD APPLICATION TO CUT ENDS AND MINOR PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAN LEAKAGE, DAMAGE, OR DETERIORATION OF THE WORK, FORM WORK TO ITEMS TO PROJECT SITE IN TIME FOR INSTALLATION. REFERENCE TO DESIGN DESIGNATIONS LISTED BY UL IN THEIR "FIRE KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWING 2.6 FABRICATION SUBSTRATES. COMPLY WITH MATERIAL MANUFACTURER'S INSTRUCTIONS AN A. EXAMINE JOINTS INDICATED TO RECEIVE JOINT SEALANTS, WITH INSTALLER PART 3 - EXECUTION DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. RESISTANCE DIRECTORY" OR BY ANOTHER QUALIFIED TESTING AND RECOMMENDATIONS FOR FORMING MATERIAL. FORM EXPOSED SHEET METAL DAMAGE TO FACTORY APPLIED FINISH. PRESENT. FOR COMPLIANCE WITH REQUIREMENTS FOR JOINT CONFIGURATION. A. GENERAL: FABRICATE ALUMINUM ENTRANCE AND STOREFRONT COMPONENTS TO INSPECTING AGENCY. POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION" WORK WITHOUT EXCESSIVE OIL-CANNING, BUCKLING OR TOOL MARKS, TRUE TO DESIGNS, SIZES AND THICKNESSES INDICATED AND TO COMPLY WITH INDICATED FURNISH MANUFACTURER'S STANDARD WARRANTY DOCUMENT, EXECUTED BY AN LINE AND LEVELS INDICATED WITH ALL EXPOSED EDGES FOLDED BACK TO FORM JOINT SEALANTS, INCLUDING BACKING MATERIALS, BEAR PERFORMANCE. DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS STANDARDS. SIZES AND PROFILE REQUIREMENTS ARE INDICATED ON THE DRAWINGS. INSTALLER QUALIFICATIONS: ENGAGE AN EXPERIENCED INSTALLER WHO HAS GENERAL: INSTALL STANDARD STEEL FRAMES AND ACCESSORIES IN ACCORDANC AUTHORIZED QUIKSERV CORP. OFFICER IN WHICH MANUFACTURER AGREES TO REPAIR SEAMS AND SOLDER. ASSIFICATION MARKING OF QUALIFIED TESTING AND INSPECTION COMPLETED JOINT SEALANT APPLICATIONS SIMILAR IN MATERIAL, DESIGN, AND WITH FINAL SHOP DRAWINGS, MANUFACTURERS DATA, AND AS HEREIN SPECIFIED. VARIABLE DIMENSIONS ARE INDICATED. WITH MAXIMUM AND MINIMUM DIMENSIONS OR REPLACE WINDOWS, DRAWERS AND AIR CURTAINS THAT FAIL IN MATERIALS OR REQUIRED. TO ACHIEVE DESIGN REQUIREMENTS AND COORDINATION WITH OTHER B. SEAMS: FABRICATE NON-MOVING SEAMS IN SHEET METAL WITH FLAT-LOCK EXTENT TO THAT INDICATED FOR PROJECT THAT HAVE RESULTED IN WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. THIS WARRANTY IS IN ADDITION VERIFY CONSTRUCTION IS READY TO RECEIVE PRODUCTS SPECIFIED IN THIS B. PLACING FRAMES: COMPLY WITH PROVISIONS OF SDI-105 "RECOMMENDED ERECTION CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE. SEAMS. TIN EDGES TO BE SEAMED, FORM SEAMS, AND SOLDER TO, AND NOT A LIMITATION OF OTHER RIGHTS OWNER HAS UNDER THE CONTRACT. B. INSTALLER QUALIFICATIONS: ENGAGE AN EXPERIENCED INSTALLER WHO HAS INSTRUCTIONS FOR STEEL FRAMES," UNLESS OTHERWISE INDICATED. SURFACE CLEANING OF JOINTS: CLEAN OUT JOINTS IMMEDIATELY BEFORE COMPLETED FIRESTOPPING THAT IS SIMILAR IN MATERIAL, DESIGN, AND EXTENT SINGLE SOURCE RESPONSIBILITY FOR JOINT SEALANT MATERIALS: OBTAIN JOINT B. PREFABRICATION: COMPLETE FABRICATION, ASSEMBLY, FINISHING, HARDWARE
EXPANSION PROVISIONS: WHERE LAPPED OR BAYONET-TYPE EXPANSION INSTALLING JOINT SEALANTS TO COMPLY WITH RECOMMENDATIONS OF JOINT B. VERIFY ROUGH OPENINGS ARE CORRECT SIZE AND IN CORRECT LOCATION. 3.2 ADJUST AND CLEAN TO THAT INDICATED FOR PROJECT AND THAT HAS PERFORMED SUCCESSFULLY APPLICATION, AND OTHER WORK TO THE GREATEST EXTENT POSSIBLE BEFORE SEALANT MATERIALS FROM A SINGLE MANUFACTURER FOR EACH DIFFERENT PROVISIONS IN WORK CANNOT BE USED. OR WOULD NOT BE SUFFICIENTLY SEALANT MANUFACTURER. a. ONE YEAR PARTS AND LABOR FROM DATE OF INSTALLATION. PRODUCT REQUIRED. A PRIME COAT TOUCH-UP: IMMEDIATELY AFTER ERECTION, SAND SMOOTH ANY RUSTED SHIPMENT TO THE PROJECT SITE. DISASSEMBLY COMPONENTS ONLY AS NECESSARY $\,$ EXAMINE ROUGHING-IN FOR EMBEDDED AND BUILT-IN ANCHORS TO VERIFY SINGLE-SOURCE RESPONSIBILITY: OBTAIN THROUGH-PENETRATION FIRESTOP FOR SHIPMENT AND INSTALLATION. INSTALLATION OF JOINT SEALANTS FLANGES, NOT LESS THAN 1 INCH DEEP, FILLED WITH MASTIC SEALANT SYSTEMS FOR EACH KIND OF PENETRATION AND CONSTRUCTION CONDITION OR DAMAGED AREAS OF PRIME COAT AND APPLY TOUCH-UP OF COMPATIBLE ACTUAL LOCATIONS OF SECURITY WINDOW CONNECTIONS BEFORE SECURITY 2. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: PRODUCT TESTING: PROVIDE COMPREHENSIVE TEST DATA FOR EACH TYPE OF WINDOW INSTALLATION. INDICATED FROM A SINGLE MANUFACTURER. GENERAL: COMPLY WITH JOINT SEALANT MANUFACTURER'S PRINTED AIR-DRYING PRIMER. JOINT SEALANT BASED ON TESTS CONDUCTED BY A QUALIFIED INDEPENDENT 1. PERFORM FABRICATION OPERATIONS, INCLUDING CUTTING, FITTING, FORMING, a. DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS NSTALLATION INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATIONS SEALANT JOINTS: WHERE MOVABLE, NON-EXPANSION TYPE JOINTS ARI ESTING LABORATORY ON CURRENT PRODUCT FORMULATIONS WITHIN A DRILLING AND GRINDING OF METAL WORK TO PREVENT DAMAGE TO EXPOSE INSPECT BUILT-IN AND CAST-IN ANCHOR INSTALLATIONS. BEFORE INSTALLING B. PROTECTION REMOVAL: IMMEDIATELY PRIOR TO FINAL INSPECTION, REMOVI PROVIDE FIRESTOPPING PRODUCTS CONTAINING NO DETECTABLE ASBESTOS AS BEYOND NORMAL WEATHERING AND USE. FINISH SURFACES. COMPLETE THESE OPERATIONS FOR HARDWARE PRIOR TO ECURITY WINDOWS, TO VERIFY THAT ANCHOR INSTALLATIONS COMPLY WITH INDICATED OR REQUIRED FOR PROPER PERFORMANCE OF WORK, FORM METAL INDICATED, EXCEPT WHERE MORE STRINGENT REQUIREMENTS APPLY. DETERMINED BY THE METHOD SPECIFIED IN 40 CFR PART 763, SUBPART F, 24-MONTH PERIOD PRECEDING DATE OF CONTRACTOR'S SUBMITTAL OF TEST PROTECTIVE PLASTIC WRAPPINGS FROM PREFINISHED DOORS REQUIREMENTS PREPARE INSPECTION REPORTS TO PROVIDE FOR PROPER INSTALLATION OF ELASTOMERIC SEALANT, IN b. STRUCTURAL FAILURES INCLUDING DEFLECTIONS EXCEEDING 1/4 INCH. B. SEALANT INSTALLATION STANDARD: COMPLY WITH RECOMMENDATIONS OF C. FINAL ADJUSTMENTS: CHECK AND READJUST OPERATING HARDWARE ITEMS, LEAVING 15704 COMPLIANCE WITH SMACNA STANDARDS. A SECTION 1 "POLARIZED LIGHT MICROSCOPY ASTMC 1193 FOR USE OF JOINT SEALANTS AS APPLICABLE TO MATERIALS, 2. PREGLAZE DOOR AND FRAME UNITS TO GREATEST EXTENT POSSIBLE. TEST ELASTOMERIC SEALANTS FOR COMPLIANCE WITH REQUIREMENTS c. FAILURE OF WELDS REMOVE AND REPLACE ANCHORS WHERE INSPECTIONS INDICATE THAT STEEL DOORS AND FRAMES LINDAMAGED AND IN COMPLETE AND PROPER OPERATING SEPARATIONS: PROVIDE FOR SEPARATION OF METAL FROM NONCOMPATIBLE SPECIFIED BY REFERENCE TO ASTM C 920. INCLUDE TEST RESULTS FOR APPLICATIONS, AND CONDITIONS INDICATED. THEY DO NOT COMPLY WITH SPECIFIED REQUIREMENTS. REINSPECT 1.3 DELIVERY, STORAGE AND HANDLING C. WELDING: COMPLY WITH AWS RECOMMENDATIONS. GRIND EXPOSED WELDS SMOOTH d. EXCESSIVE AIR LEAKAGE. IARDNESS; STAIN RESISTANCE, ADHESION AND COHESION UNDER CYCLIC AFTER REPAIRS OR REPLACEMENTS ARE MADE. METAL OR CORROSIVE SUBSTRATE BY COATING CONCEALED SURFACES AT TO REMOVE WELD SPATTER AND WELDING OXIDES. RESTORE MECHANICAL FINISH. A DELIVER EIRESTOPPING PRODUCTS TO PROJECT SITE IN ORIGINAL LINOPENED. OVEMENT (PER ASTM C 719) I OW-TEMPERATURE FLEXIBILITY AND PERFORM ADDITIONAL INSPECTIONS TO DETERMINE COMPLIANCE O CARO CONTAINERS OR PACKAGES WITH INTACT AND LEGIBLE MANUFACTURERS' LABELS CLEAN OFF EXCESS SEALANTS OR SEALANT SMEARS ADJACENT TO JOINTS AS SEPARATION AS RECOMMENDED BY THE MANUFACTURER/FABRICATOR. D. REINFORCING: INSTALL REINFORCING AS REQUIRED FOR HARDWARE AND AS END OF SECTION 08 11 00 f. FAULTY OPERATION OF TRANSACTION DRAWERS REPLACED OR ADDITIONAL WORK. PREPARE ANCHOR INSPECTION DENTIFYING PRODUCT AND MANUFACTURER; DATE OF MANUFACTURE; LOT AGING, AND EFFECTS OF ACCELERATED WEATHERING PART 3 - EXECUTION IUMBER; SHELF LIFE, IF APPLICABLE; QUALIFIED TESTING AND INSPECTIN BY MANUFACTURERS OF JOINT SEALANTS AND OF PRODUCTS IN WHICH JOINTS g. FAULTY OPERATION OF AIR CURTAINS. INCLUDES TEST RESULTS PERFORMED ON JOINT SEALANTS AFTER THEY E. DISSIMILAR METALS: SEPARATE DISSIMILAR METALS WITH BITUMINOUS PAINT, OR A AGENCY'S CLASSIFICATION MARKING APPLICABLE TO PROJECT: CURING TIME: FOR GLAZING MATERIALS WHOSE ORIENTATION IS CRITICAL FOR HAVE CURED FOR 1 YEAR. ND MIXING INSTRUCTIONS FOR MULTICOMPONENT MATERIALS. SUITABLE SEALANT. OR A NON-ABSORPTIVE PLASTIC OR ELASTOMERIC TAPE. OR A PERFORMANCE, VERIFY INSTALLATION ORIENTATION. **SECTION 08 41 13** GASKET BETWEEN THE SURFACES. DO NOT USE COATINGS CONTAINING LEAD. ALUMINUM ENTRANCES AND GENERAL: UNLESS OTHERWISE INDICATED, COMPLY WITH THE MANUFACTURER'S PRECONSTRUCTION FIELD TESTING: PRIOR TO INSTALLATION OF JOIN STORE AND HANDLE FIRESTOPPING MATERIALS TO PREVENT THEIR PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS INSTRUCTIONS AND RECOMMENDATIONS, AND WITH SMACNA "ARCHITECTURAL SEALANTS, FIELD-TEST THEIR ADHESION TO JOINT SUBSTRATES AS FOLLOWS: CONTINUITY: MAINTAIN ACCURATE RELATION OF PLANES AND ANGLE WITH 9.14.2023 END OF SECTION 07 92 00 DETERIORATION STOREFRONT WINDOWS LOCATE TEST JOINTS WHERE INDICATED OR, IF NOT INDICATED, AS DIRECTED BY SHEET METAL MANUAL". ANCHOR UNITS OF WORK SECURELY IN PLACE BY WEATHERPROOF HAIRLINE FIT OF CONTACTING MEMBERS. LINIFORMITY OF METAL OR DAMAGE DUE TO MOISTURE, TEMPERATURE CHANGES, CONTAMINANTS, OR A. ALUMINUM EXTRUSIONS: ASTM B221/B221M. PROVIDE ALLOY AND TEMPER METHODS INDICATED. PROVIDING FOR THERMAL EXPANSION OF METAL UNITS ASSOCIATE. CONDUCT FIELD TESTS FOR EACH APPLICATION INDICATED FOR FINISH: ABUTTING EXTRUDED ALUMINUM MEMBERS SHALL NOT HAVE AN INTEGRAL RECOMMENDED BY MANUFACTURER FOR STRENGTH, CORROSION RESISTANCE, AND OTHER CAUSES. PART 1 - GENERAL CONCEAL FASTENERS WHERE POSSIBLE SET UNITS TRUE TO LINE AND LEVEL AS COLOR TEXTURE VARIATION GREATER THAN HALF THE RANGE INDICATED IN THE SAMPLE EACH TYPE OF ELASTOMERIC SEALANT AND JOINT SUBSTRATE INDICATED. APPLICATION OF REQUIRED FINISH, BUT NOT LESS THAN 22,000-PSI (150-MPA) ULTIMATE INDICTED. INSTALL WORK WITH LAPS, JOINTS, AND SEAMS TO BE PERMANENTLY 1.4 PROJECT CONDITIONS FURNISH FRAMES AND ANCHORS TO OTHER SECTIONS AS REQUIRED FOR TENSILE STRENGTH AND NOT LESS THAN 0.125 INCH (3.2 MM) THICK AT ANY LOCATION DELIVERY, STORAGE AND HANDLING 1.1 RELATED DOCUMENTS INSTALLATION IN SURROUNDING PARTITION AND CASEWORK CONSTRUCTION ENVIRONMENTAL CONDITIONS: DO NOT INSTALL FIRESTOPPING WHEN AMBIENT G. FASTENERS: CONCEAL FASTENERS WHEREVER POSSIBLE. AND WEATHERPROOF. DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL UNOPENED CONTAINERS OR A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. OR SUBSTRATE TEMPERATURES ARE OUTSIDE LIMITS PERMITTED BY B. STEEL PLATES, SHAPES, AND BARS: ASTM A36/A36 FIRESTOPPING MANUFACTURERS OR WHEN SUBSTRATES ARE WET DUE TO RAIN UNDERLAYMENT: WHERE STAINLESS STEEL OR ALUMINUM IS TO BE INSTALLED PART 3 - EXECUTION A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DESIGNATION, COLOR, EXPIRATION PERIOD FOR USE, POT LIFE, CURING TIME C. METALLIC-COATED STEEL SHEET DIRECTLY ON CEMENT OR WOOD SUBSTRATES, INSTALL A SLIP SHEET OF RED FROST, CONDENSATION, OR OTHER CAUSES. **DIMENSION** INSTALLER QUALIFICATIONS: ENGAGE AN EXPERIENCED INSTALLER WITH NOT LESS ROSIN PAPER AND A COURSE OF POLYETHYLENE UNDERLAYMEN ALIGN PRODUCTS PLUMB, LEVEL AND SQUARE ASTM A653/A653M, CS (COMMERCIAL STEEL), TYPE B; WITH G90 (Z275)ZINC VENTILATION: VENTILATE FIRESTOPPING PER FIRESTOPPING MANUFACTURERS THAN 5 YEARS SUCCESSFUL EXPERIENCE WHO HAS COMPLETED INSTALLATIONS O STORE AND HANDLE MATERIALS IN COMPLIANCE WITH MANUFACTURER'S BED FLANGES OF WORK IN A THICK COAT OF BITUMINOUS ROOFING CEMENT INSTRUCTIONS BY NATURAL MEANS OR, WHERE THIS IS INADEQUATE, FORCED A. EXAMINE SUBSTRATES AND SUPPORTS, WITH THE INSTALLER PRESENT, FOR (GALVANIZED) COATING DESIGNATION RIGIDLY SECURE PRODUCTS TO ADJACENT SUPPORTING CONSTRUCTION ALUMINUM STOREFRONT AND ENTRANCES SIMILAR IN DESIGN AND EXTENT TO THOS RECOMMENDATIONS TO PREVENT THEIR DETERIORATION OR DAMAGE DUE TO COMPLIANCE WITH REQUIREMENTS INDICATED. INSTALLATION TOLERANCES, AND OTHER WHERE REQUIRED FOR WATERPROOF PERFORMANCE. AIR CIRCULATION. 2. AMS5511, STEEL, CORROSION-RESISTANT, SHEET, STRIP, AND PLATE, 19CR - 9.5NI MOISTURE, HIGH OR LOW TEMPERATURES, CONTAMINANTS, OR OTHER CAUSES. GLAZE WINDOWS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONDITIONS THAT AFFECT INSTALLATION OF ALUMINUM ENTRANCES AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE. (304L), SOLUTION HEAT TREATED. INSTALL REGIETS TO RECEIVE COUNTERELASHING IN A MANNER AND BY FIRESTOPPING, GENERAL STOREFRONTS. CORRECT UNSATISFACTORY CONDITIONS BEFORE PROCEEDING WITH SEAL PERIMETER JOINTS. ARCHITECTURE • CIVIL ENGINEERING • MEP ENGINEERING METHODS INDICATED. WHERE SHOWN IN CONCRETE, FURNISH REGLETS TO B. FABRICATOR QUALIFICATIONS: PROVIDE ALUMINUM ENTRANCES AND STOREFRON AMS5513, STEEL, CORROSION-RESISTANT, SHEET, STRIP, AND PLATE 19CR 9.2NI COMPATIBILITY: PROVIDE FIRESTOPPING COMPOSED OF COMPONENTS THAT ARE THE INSTALLATION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY TRADES OF CONCRETE WORK FOR INSTALLATIONS WORK OF DIVISION 3. WHERE SPECIAL INSTALLER'S WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH SYSTEMS FABRICATED BY A FIRM
EXPERIENCED IN PRODUCING SYSTEMS THAT AR CONNECT ELECTRICAL COMPONENTS TO POWER SOURCE. CONDITIONS ARE CORRECTED. (SAE 30304) SOLUTION HEAT TREATED. 755 SANDHILL ROAD, DALLAS, TEXAS 75238 SHOWN IN MASONRY, FURNISH REGLETS TO TRADES OF MASONRY WORK, FOR SIMILAR TO THOSE INDICATED FOR THIS PROJECT, AND THAT HAVE A RECORD OF INSTALLER AGREES TO REPAIR OR REPLACE JOINT SEALANTS THAT DO NOT ITEMS. IF ANY, PENETRATING THE FIRESTOPPING UNDER CONDITIONS OF SERVICE TEL: 214-343-9400 <u>www.dimensiongrp.com</u> COMPLY WITH PERFORMANCE AND OTHER REQUIREMENTS SPECIFIED IN THIS SUCCESSFUL IN-SERVICE PERFORMANCE. THE FABRICATOR SHALL HAVE SUFFICIEN PROTECTION: WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER. INSTALLATION AS WORK OF DIVISION 4. B. VERIFY ALL MEASUREMENTS/OPENINGS BY FIELD MEASUREMENTS BEFOR D. STAINLESS STEEL SHEET, STRIP, PLATE, AND FLAT BARS FABRICATION. COORDINATE W/ FABRICATION SCHEDULE AND CONSTRUCTION PRODUCTION CAPACITY TO PRODUCE COMPONENTS REQUIRED WITHOUT CAUSING SECTION WITHIN SPECIFIED WARRANTY PERIOD 1. ASTM A666, AUSTENITIC STAINLESS STEEL, TYPE 304, STRETCHER- LEVELED 1 INSTALL COUNTERELASHING IN REGLETS FITHER BY SNAP-IN SEAL ON TESTING AND FIELD EXPERIENCE PRIMER OR BY APPLYING SEALANT OR TAPE RECOMMENDED IN WRITING BY DELAY IN PROGRESS OF THE WORK. PROGRESS TO AVOID CONSTRUCTION DELAYS. ARRANGEMENT, OR BY WELDING IN PLACE OF ANCHORAGE AND FILLIN WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL STANDARD OF FLATNESS. MANUFACTURER FOR THIS PURPOSE. WHERE ALUMINUM WILL CONTACT ACCESSORIES: PROVIDE COMPONENTS FOR EACH FIRESTOPPING SYSTEM THAT REGLET WITH MASTIC OR ELASTOMERIC SEALANT. AS INDICATED AND C. SINGLE SOURCE RESPONSIBILITY: OBTAIN ALUMINUM ENTRANCE, OPERATING COMPLETION. CONCRETE OR MASONRY, PROTECT AGAINST CORROSION BY PAINTING ARE NEEDED TO INSTALL FILL MATERIALS AND TO COMPLY WITH "SYSTEM ASME SA-240/SA-240M, CHROMIUM AND CHROMIUM-NICKEL STAINLESS STEEL PLATE, DEPENDING ON DEGREE OF SEALANT EXPOSURE HARDWARE, AND STOREFRONT SYSTEMS FROM ONE SOURCE AND FROM A SINGLE CONTACT SURFACES WITH BITUMINOUS PAINT. PERFORMANCE REQUIREMENTS" ARTICLE IN PART 1. USE ONLY COMPONENTS SPECIAL MANUFACTURER'S WARRANTY: MANUFACTURER'S STANDARD FORM IN A. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SHEET, AND STRIP FOR GENERAL APPLICATIONS MANUFACTURER, UNLESS NOTED OTHERWISE PECIFIED BY THE FIRESTOPPING MANUFACTURER AND APPROVED BY THE INSTALL ELASTIC FLASHING IN ACCORDANCE WITH MANUFACTURER'S VHICH JOINT-SEALANT MANUFACTURER AGREES TO FURNISH JOINT SEALANTS INSTALLATION. CONCEALED BOLTS: ASTM A307, GRADE A UNLESS OTHERWISE INDICATED RECOMMENDATIONS. WHERE REQUIRED, PROVIDE FOR MOVEMENT AT JOINTS BY QUALIFIED TESTING AND INSPECTING AGENCY FOR THE DESIGNATE D. DESIGN CRITERIA: THE DRAWINGS INDICATE THE SIZE, PROFILE AND DIMENSIONAL TO REPAIR OR REPLACE THOSE THAT DO NOT COMPLY WITH PERFORMANCE AND B. SET UNITS PLUMB. LEVEL. AND TRUE TO LINE. WITHOUT WARP OR RACK OF FRAMING ADJUST HORIZONTAL-SLIDING, TRANSACTION SECURITY WINDOWS TO PROVIDE FIRE-RESISTANCE-RATED SYSTEMS. ACCESSORIES INCLUDE BUT ARE NOT REQUIREMENTS OF ALUMINUM ENTRANCE AND STOREFRONT WORK REQUIRED AND ARE BASED ON THE SPECIFIC TYPES AND MODELS INDICATED. FORMING LOOPS OF BELLOWS IN WIDTH OF FLASHING. LOCATE COVER OR FILLER THER REQUIREMENTS SPECIFIED IN THIS SECTION WITHIN SPECIFIED CAST-IN-PLACE ANCHORS IN CONCRETE: FABRICATED FROM CORROSION-RESISTANT STRIPS AT JOINTS TO FACILITATE COMPLETE DRAINAGE OF WATER FROM LIMITED TO THE FOLLOWING ITEMS A TIGHT FIT AT CONTACT POINTS FOR SMOOTH OPERATION AND A SECURE MATERIALS CAPABLE OF SUSTAINING. WITHOUT FAILURE. A LOAD EQUAL TO FOUR TIMES AND RELATION TO ESTABLISHED LINES AND GRADES INDICATED. PROVIDE PROPER FLASHING. SEAM ADJACENT FLASHING SHEETS WITH ADHESIVE, SEAL AND THE LOAD IMPOSED, AS DETERMINED BY TESTING PER ASTM E488, CONDUCTED BY A 1. PERMANENT FORMING/DAMMING/BACKING MATERIALS INCLUDING THE ANCHOR EDGES IN ACCORDANCE WITH THE MANUFACTURER'S WARRANTY PERIOD: 20 YEARS FROM DATE OF SUBSTANTIAL COMPLETION. E. SYSTEM PERFORMANCE REQUIREMENTS. QUALIFIED TESTING AGENCY. ADJUST TRANSACTION DRAWERS TO PROVIDE A TIGHT FIT AT CONTACT POINTS RECOMMENDATIONS. C. CONSTRUCTION TOLERANCES: INSTALL ALUMINUM ENTRANCE AND STOREFRONT TO SPECIAL WARRANTIES SPECIFIED IN THIS ARTICLE EXCLUDE DETERIORATION OR STRUCTURAL PERFORMANCE: DESIGN, ENGINEER, FABRICATE, AND INSTAL FOR SMOOTH OPERATION AND [WEATHERTIGHT AND] SECURE ENCLOSURE. THREADED OR WEDGE TYPE: GALVANIZED FERROUS CASTINGS, EITHER ASTM SEMIREFRACTORY FIBER (MINERAL WOOL) INSULATION THE GLAZED ALUMINUM CURTAIN WALL SYSTEM TO WITHSTAND THE EFFECTS COMPLY WITH THE FOLLOWING TOLERANCES FAILURE OF JOINT SEALANTS FROM THE FOLLOWING A27/A27M CAST STEEL OR ASTM A47/A47M MALLEABLE IRON. PROVIDE BOLTS, REMOVE AND REPLACE DEFECTIVE WORK. INCLUDING SECURITY WINDOWS OF A WIND LOAD OF SPEED AT HEIGHT OF INSTALLATION AS REQUIRED BY THE b. CERAMIC FIBER VARIATION FROM PLANE: DO NOT EXCEED 1/8 INCH IN 12 FEET OF LENGTH OR 1/4 NASHERS, AND SHIMS AS REQUIRED; HOT-DIP GALVANIZED PER ASTM A153/A153N A. CLEAN EXPOSED METAL SURFACES, REMOVING SUBSTANCES THAT MIGHT CAUSE THAT ARE WARPED, BOWED, OR OTHERWISE UNACCEPTABLE. APPLICABLE BUILDING CODE, WITH NO MATERIAL FAILURES OR PERMANEN OR ERRORS ATTRIBUTABLE TO DESIGN OR CONSTRUCTION RESULTING IN INCH IN ANY TOTAL LENGTH. OR ASTM F2329. CORROSION OF METAL OR DETERIORATION OF FINISHE SEALANTS USED IN COMBINATION WITH OTHER FORMING/DAMMINI DEFORMATION OF STRUCTURAL MEMBERS. TRESSES ON THE SEALANT EXCEEDING SEALANT MANUFACTURER'S MATERIALS TO PREVENT LEAKAGE OF FILL MATERIALS IN LIQUID OFFSET FROM ALIGNMENT: THE MAXIMUM OFFSET FROM TRUE ALIGNMEN EMBEDDED PLATE ANCHORS: FABRICATED FROM STEEL SHAPES AND PLATES, MINIMUM B. ADVISE THE CONTRACTOR OF REQUIRED PROCEDURES FOR SURVEILLANCE AND SECTION 01 70 00 - EXECUTION AND CLOSEOUT REQUIREMENTS (01700 a. STRUCTURAL TEST PRESSURE SHALL BE EQUAL TO 150 PERCENT OF THE VRITTEN SPECIFICATIONS FOR SEALANT ELONGATION AND COMPRESSION. BETWEEN TWO IDENTICAL MEMBERS ABUTTING END TO END INLINE SHALL NOT 3/16 INCH (4.8 MM) THICK; WITH MINIMUM 1/2-INCH- (12.7-MM-) DIAMETER, HEADED STUDS PROTECTION OF FLASHING AND SHEET METAL WORK DURING CONSTRUCTION, TO ENSURE THAT WORK WILL BE WITHOUT DAMAGE OR DETERIORATION, OTHER KECUTION REQUIREMENTS): REQUIREMENTS FOR CLEANIN INWARD AND OUTWARD ACTING DESIGN WIND PRESSURES WELDED TO BACK OF PLATE. DISINTEGRATION OF JOINT SUBSTRATES FROM NATURAL CAUSES EXCEED 1/64 INCH. FIRE-RATED FORMBOARD REMOVE PROTECTIVE MATERIAL FROM FACTORY FINISHED SURFACES THAT NATURAL WEATHERING AT TIME OF SUBSTANTIAL COMPLETION. EXCEEDING DESIGN SPECIFICATIONS H. WELDING RODS AND BARE ELECTRODES: SELECT ACCORDING TO AWS SPECIFICATIONS 3. DIAGONAL MEASUREMENTS: THE MAXIMUM DIFFERENCE IN DIAGONAL e. JOINT FILLERS FOR JOINT SEALANTS MEASUREMENTS SHALL NOT EXCEED 1/16 INCH. WASH SURFACES BY METHOD RECOMMENDED AND ACCEPTABLE TO SEALANT MECHANICAL DAMAGE CAUSED BY INDIVIDUALS, TOOLS, OR OTHER c. ALLOWABLE STRESS WITH A SAFETY FACTOR OF 1.65. FOR METAL ALLOY WELDED. END OF SECTION 07 62 00 2.2 MATERIALS FOR THROUGH-PENETRATION FIRESTOP SYSTEMS AND WINDOW MANUFACTURER; RINSE AND WIPE SURFACES CLEAN. BITUMINOUS PAINT: COLD-APPLIED, ASPHALT-MASTIC PAINT COMPLYING WITH 4. OFFSET AT CORNERS: THE MAXIMUM OUT-OF-PLANE OFFSET OF FRAMING A REMOVE EXCESS SEALANT BY MODERATE USE OF MINERAL SPIRITS OR OTHER INTUMESCENT WRAP STRIPS: SINGLE-COMPONENT, ELASTOMERIC SHEET WITH CHANGES IN SEALANT APPEARANCE CAUSED BY ACCUMULATION OF DIRT REQUIRED FOR INDICATED SPANS AND CODE REQUIRED WIND LOADS CORNERS SHALL NOT EXCEED 1/32 INCH. SSPC-PAINT 12 REQUIREMENTS EXCEPT CONTAINING NO ASBESTOS; FORMULATED FOR LVENT ACCEPTABLE TO SEALANT AND WINDOW MANUFACTURER. ALUMINUM FOIL ON ONE SIDE. OR OTHER ATMOSPHERIC CONTAMINANTS. AIR INFILTRATION RATE SHALL NOT EXCEED 0.06 CFM/FT(2) AT A STATIC D. SEPARATE ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF (0.76-MM) THICKNESS PER COAT SILICONE FOAM: TWO-COMPONENT, SILICONE-BASED LIQUID ELASTOMER THAT, ORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER CLEAN METAL AND GLASS SURFACES TO POLISHED CONDITION. PRESSURE DIFFERENTIAL OF 6.24 PSF, PER ASTM E283. PART 2 - PRODUCTS SEALANTS: FOR SEALANTS REQUIRED WITHIN FABRICATED SECURITY WINDOWS. WHEN MIXED, EXPANDS AND CURES IN PLACE TO PRODUCE A FLEXIBLE, LUBRICATE SLIDING SECURITY WINDOW HARDWARE WATER RESISTANCE: SYSTEM SHALL COMPLY WITH ASTM E331. THERE SHAL PART 1 - GENERAL PROVIDE TYPE RECOMMENDED BY MANUFACTURER FOR JOINT SIZE AND MOVEMEN 1. ZINC OR CADMIUM PLATE STEEL ANCHORS AND OTHER UNEXPOSED FASTENERS BE NO AIR LEAKAGE AT A MIN. STATIC AIR PRESSURE DIFFERENTIAL OF 8 PSI AS SEALANT SHALL REMAIN PERMANENTLY ELASTIC, NONSHRINKING, AND NONMIGRATING LUBRICATE TRANSACTION DRAWER HARDWAR SECTION INCLUDES SILICONE SEALANT: MOISTURE-CURING, SINGLE-COMPONENT, SILICONE-BASED, DEFINED IN AAMA 501. MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT C. GASKETS: FOR GASKETS REQUIRED WITHIN FABRICATED SECURITY WINDOWS. PROVIDE EUTRAL-CURING ELASTOMERIC SEALANT OF NONSAG GRADE FOR OPENINGS IN PROVIDE TEMPORARY PROTECTION TO ENSURE THAT SECURITY WINDOWS ARE A. PRE-FINISHED GALVANIZED STEEL, DOWNSPOUTS, GUTTERS, COLLECTOR BOXES 2. PAINT DISSIMILAR METALS WHERE DRAINAGE FROM THEM PASSES OVER 1.3 DELIVERY, STORAGE AND HANDLING UBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS PE RECOMMENDED BY MANUFACTURER FOR JOINT SIZE AND MOVEMENT. GASKETS VERTICAL AND OTHER SURFACES. WITHOUT DAMAGE AT TIME OF SUBSTANTIAL COMPLETION. AND SCUPPERS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER, BASED ON TESTING AND SHALL REMAIN PERMANENTLY ELASTIC, NONSHRINKING, AND NONMIGRATING. US 2112 PROTOTYPE A. DELIVER ALUMINUM ENTRANCE AND STOREFRONT COMPONENTS IN THE RELATED SECTIONS INTUMESCENT WRAP STRIPS: PROVIDE ONE OF THE FOLLOWING PRODUCTS: 3. PAINT ALUMINUM SURFACES IN CONTACT WITH MORTAR, CONCRETE OR OTHER 2.2 WINDOW COMPONENTS END OF SECTION 08 56 19 A. DIVISION MASONRY WITH ALKALI
RESISTANT COATING LIQUID-APPLIED JOINT SEALANTS: COMPLY WITH ASTM C 920 AND OTHER STOP INTUMESCENT WRAP STRIP 2002 BY DOW CORNING CORP. OR CS242 B. STORE ALUMINUM COMPONENTS IN A CLEAN DRY LOCATION AWAY FROM UNCURED INTUMESCENT WRAP BY HILTI CONSTRUCTION CHEMICALS. INC. OR FIRE BARRIER REQUIREMENTS INDICATED FOR EACH LIQUID-APPLIED JOINT SEALANT SPECIFIED DRILL AND TAP FRAMES AND DOORS AND APPLY SURFACE-MOUNTED HARDWARE ITEMS MASONRY OR CONCRETE. COVER COMPONENTS WITH WATERPROOF PAPER. COMPLY WITH HARDWARE MANUFACTURER'S INSTRUCTIONS AND TEMPLATE REQUIREMENTS. USE CONCEALED FASTENERS WHEREVER POSSIBLE. INCLUDING THOSE REFERENCING ASTM C 920 CLASSIFICATIONS FOR TYPE FS-195 WRAP/STRIP, 3M FIRE PROTECTION PRODUCTS. TARPAULIN OR POLYETHYLENE SHEETING IN A MANNER TO PERMIT CIRCULATION OF INSULATED GLASS: 5/8 INCH THICK OVERALL THICKNESS. **SECTION 08 70 00** DOOR HARDWARE A. ASTM A526/A526M-STANDARD SPECIFICATION FOR STEEL SHEET, ZINC COATED GRADE, CLASS, AND USES RELATED TO EXPOSURE AND JOINT SUBSTRATES AIR. STACK FRAMING COMPONENTS IN A MANNER THAT WILL PREVENT BENDING AND SILICONE FOAMS: FIRE STOP FOAM 2001 BY DOW CORNING CORP. OR PENSIL 200 FOAM BY GENERAL ELECTRIC CO. B. TRACK/SLIDES: STAINLESS STEEL BALL BEARING SLIDES ALL WINDOWS AND DRAWERS. (GALVANIZED) BY HOT-DIP PROCESS, COMMERCIAL QUALITY AVOID SIGNIFICANT OR PERMANENT DAMAGE STAIN-TEST-RESPONSE CHARACTERISTICS: WHERE SEALANTS ARE SPECIFIED TO PART 1 - GENERA F. SET SILL MEMBERS IN BED OF SEALANT AS INDICATED, OR WITH JOINT FILLERS OR MISCELLANEOUS GLAZING MATERIALS: PROVIDE MATERIAL, SIZE, AND SHAPE DESIGN REQUIREMENTS 1517 NC 24-87 BE NONSTAINING TO POROUS SUBSTRATES, PROVIDE PRODUCTS THAT HAVE SILICONE SEALANTS: FIRESTOP SEALANT 2003 BY DOW CORNING CORP. OR COMPLYING WITH REQUIREMENTS OF GLASS MANUFACTURERS, AND WITH A PROVEN GONE TESTING ACCORDING TO ASTM C 1248 AND HAVE NOT STAINED REQUIREMENTS OF DIVISION 7 FOR SEALANTS, FILLERS, AND GASKETS. A. CONFORM TO APPLICABLE CODE FOR SIZE AND METHOD OF RAINWATER RECORD OF COMPATIBILITY WITH SURFACES CONTACTED IN INSTALLATION: A. FIELD MEASUREMENTS: SHOW RECORD MEASUREMENTS ON SHOP DRAWINGS POROUS JOINT SUBSTRATES INDICATED FOR PROJECT. DEFINITION: "FINISH HARDWARE" INCLUDES ITEMS KNOWN COMMERCIALLY AS CAMERON, NO 100 FIRESTOP SEALANT BY GENERAL ELECTRIC CO. OR CS240 FIRESTOP SEALANT CHECK OPENINGS BY ACCURATE FIELD MEASUREMENT BEFORE FABRICATION. FINISH HARDWARE WHICH ARE REQUIRED FOR SWING. SLIDING AND FOLDING . CLEANERS, PRIMERS, AND SEALERS: TYPE RECOMMENDED BY SEALANT OR SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR BY HILTI CONSTRUCTION CHEMICALS, INC. PROJECT CONDITIONS COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DOORS, EXCEPT SPECIAL TYPES OF UNIQUE AND NON-MATCHING HARDWARE JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE A. CLEAN THE COMPLETED SYSTEM. INSIDE AND OUT, PROMPTLY AFTER INSTALLATION GASKET MANUFACTURER. DELAY OF THE WORK. SPECIFIED IN THE SAME SECTION AS THE DOOR AND DOOR FRAME. 2.3 FIRE-RESISTIVE ELASTOMERIC JOINT SEALANT EXERCISING CARE TO AVOID DAMAGE TO COATING A. COORDINATE THE WORK WITH DOWNSPOUT DISCHARGE PIPE INLET PRODUCTS THAT COMPLY WITH 21 CFR 177.2600. 2. SETTING BLOCKS: ELASTOMERIC MATERIAL WITH A TYPE A SHORE DUROMETER A. ELASTOMERIC SEALANT STANDARD: PROVIDE MANUFACTURER'S STANDAR PROVIDE LABOR, MATERIALS, TRANSPORTATION, SERVICES AND APPLIANCES COLORS OF EXPOSED JOINT SEALANTS: AS SELECTED BY ARCHITECT FROM PART 2 - PRODUCTS CHEMICALLY CURING, ELASTOMERIC SEALANTS OF BASE POLYMER INDICATED A. WARRANTY: SUBMIT A WRITTEN WARRANTY, EXECUTED BY THE MANUFACTURER, CONTAINED IN SECTION 08800 FOR CLEANING AND MAINTENANCE. REMOVE EXCESS NECESSARY TO COMPLETE THE FOLLOWING WORK: MANUFACTURER'S FULL RANGE THAT COMPLIES WITH ASTM C 920 REQUIREMENTS, INCLUDING THOSE GLAZING AND SEALANT COMPOUNDS, DIRT AND OTHER SUBSTANCES FROM ALUMINUM MANUFACTURERS AGREEING TO REPAIR OR REPLACE UNITS THAT FAIL IN MATERIALS OR WORKMANSHIP SHORE DUROMETER HARDNESS REQUIRED BY GLASS MANUFACTURER TO MAINTAIN FINISH DOOR HARDWARE INSTALLATION INCLUDING NECESSARY REFERENCED FOR TYPE, GRADE, CLASS, AND USES, AND REQUIREMENTS WITHIN THE SPECIFIED WARRANTY PERIOD. FAILURES INCLUDE, BUT ARE NOT GLASS LITES IN PLACE FOR INSTALLATION INDICATED. SCREWS, BOLTS, SPECIAL FASTENERS, EXPANSION SHIELD AND OTHER A. DIMENSIONAL METALS INC NECESSARILY LIMITED TO 'JS-1'-SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT: 3.4 PROTECTION DEVICES NECESSARY AND REQUIRED FOR PROPER HARD WARE B. APPROVED EQUALS BY PETERSON ALUMINUM CO. OR BERRIDGE 4. EDGE BLOCKS: ELASTOMERIC MATERIAL OF HARDNESS NEEDED TO LIMIT GLASS SEALANT COLORS: PROVIDE COLOR OF EXPOSED JOINT SEALANT. COLOR ASTM C 920, TYPE S, GRADE NS, CLASS 50, FOR USE NT. **ARCHITECTURAL** STRUCTURAL FAILURE OF FRAMING MEMBERS. MANUFACTURING CO. A. INSTITUTE PROTECTIVE MEASURES REQUIRED THROUGHOUT THE REMAINDER OF THE LATERAL MOVEMENT (SIDE WALKING). SELECTIONS MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE FURNISH AND INSTALL CYLINDERS AND LATCHES AT EXTERIOR 2. EXCESSIVE DEFLECTION, EXCESSIVE LEAKAGE OR AIR INFILTRATION CONSTRUCTION PERIOD TO ENSURE THAT ALUMINUM ENTRANCES AND STOREFRONTS STANDARD COLORS FOR PRODUCTS OF TYPE INDICATED. ONE OF THE FOLLOWING: WILL BE WITHOUT DAMAGE OR DETERIORATION, OTHER THAN NORMAL WEATHERING, AT STOREFRONT ENTRANCE AS INDICATED. COORDINATING KEYING WITH **SPECIFICATIONS** FAULTY OPERATION OF SWING DOORS SINGLE-COMPONENT, NEUTRAL-CURING SILICONE SEALANT: TYPE S: GRADE N PRE-FINISHED GALVANIZED STEEL SHEET: ASTM A361/A361M, ASTM A446/A446I TIME OF ACCEPTANCE. WELDING MATERIALS a. GE ADVANCED MATERIALS - SILICONES; SILPRUF SCS2000 ${\tt CLASS~25:~EXPOSURE-RELATED~USE~NT,~AND~JOINT-SUBSTRATE-RELATED~USES}$ GRADE A, OR ASTM A526/A526M, G90 ZINC COATING; 24 GAUGE CORE STEEL, SHOP DETERIORATION OF GASKETS AND SEALS PROVIDE TEMPORARY LOCKSETS AT EXTERIOR DOORS DURING D. ANCHORS CLIPS AND WINDOW ACCESSORIES: STAINLESS STEEL: HOT-DIP b. PECORA CORPORATION; 898. G, A, AND (AS APPLICABLE TO JOINT SUBSTRATES INDICATED) FAILURE OF SEALANT. ZINC-COATED STEEL OR IRON, OF SUFFICIENT STRENGTH TO WITHSTAND DESIGN COATING. COLOR: TO BE CHOSEN BY OWNER. SUBMIT SAMPLE TO OWNER FOR c. POLYMERIC SYSTEMS, INC.; PSI-64 END OF SECTION 08 41 13 PRESSURE INDICATED. IF ITEMS OF HARDWARE ARE NOT DEFINITELY SPECIFIED BUT REQUIRED ADDITIONAL MOVEMENT CAPABILITY: PROVIDE SEALANT WITH THE B. WARRANTY PERIOD: FIVE (5) YEARS AFTER THE DATE OF SUBSTANTIAL COMPLETION. FOR COMPLETION OF THE WORK, FURNISH ITEMS OF TYPE OF QUALITY TREMCO INCORPORATED: SPECTREM 3. 2.3 MANUAL PASS, SERVICE AND TELLER WINDOW UNITS CAPABILITY TO WITHSTAND THE FOLLOWING PERCENTAGE CHANGES IN COMPONENTS SUITABLE TO THE SERVICE AND FUNCTION REQUIRED AND COMPARABLE Checked JOINT WIDTH EXISTING AT TIME OF INSTALLATION, WHEN TESTED FOR 'JS-2'-SINGLE-COMPONENT MILDEW RESISTANT NEUTRAL-CURING SILICONF PART 2 - PRODUCTS A. MANUFACTURERS O ADJACENT HARDWARE. A. GUTTERS, COLLECTOR BOXES AND SCUPPERS: SMACNA PROFILE TO MATCH ADHESION AND COHESION UNDER MAXIMUM CYCLIC MOVEMENT PER ASTM PASS-THRU WINDOWS JOINT SEALANT: ASTM C 920, TYPE S, GRADE NS, CLASS 25, FOR USE NT. 2.1 MANUFACTURERS AND PRODUCTS . QUICK SERVICE 1.2 INTENT PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE IN COMPLIANCE WITH OTHER REQUIREMENTS OF ASTM C 920 FOR USES PART 1 - GENERAL A. KAWNEER B. DOWNSPOUTS: SMACNA PROFILE TO MATCH EXISTING. MODEL PW-54E AUTOMATIC A. THIS SPECIFICATION CONTEMPLATES PROVIDING PROPER HARDWARE, IN ONE OF THE FOLLOWING: C. ANCHORS AND SUPPORTS: PROFILED TO SUIT GUTTERS AND DOWNSPOUTS 1.1 SUMMARY C. SERVICE OPENING: 18 1/4 INCHES (W) X 31 1/2 INCHES (H) 100 PERCENT MOVEMENT IN EXTENSION AND 50 PERCENT MOVEMENT IN PECORA CORPORATION; 898 ATTENTION: CHERYL WILKERSON WITH APPLICABLE CODES FOR ALL DOORS AS LISTED. FINISH HARDWAR JUNE 2023 A. SECTION INCLUDES ANCHORING DEVICES: IN ACCORDANCE WITH SMACNA REQUIREMENTS COMPRESSION FOR A TOTAL OF 150 PERCENT MOVEMENT. D. ROUGH OPENING: 53 7/8 INCHES (W) X 40 3/8 INCHES (H). TREMCO INCORPORATED: TREMSIL 200 CLEAR. B. CRL-US ALUMINUM AND CALL CONFLICTS, OMISSIONS OR OBVIOUS REQUIREMENTS NOT LISTED TO SINGLE-COMPONENT NEUTRAL-CURING SILICONE SEALANT: DOW CORNING 790 GUTTER SUPPORTS: SPIKES AND FERRULES 1 AUTOMATIC OPERATED PASS WINDOW UNITS (800) 421-6144, EXT. 17780 E. GLAZING: 1" INSULATED GLASS WITH SOLARBAN 60 LOW-E. 2.3 URETHANE JOINT SEALANTS HE ATTENTION OF THE GENERAL CONTRACTOR OR ARCHITECT FOR Drawing No BY DOW CORNING CORP. OR SPECTRUM 1 BY TREMCO. C. YKK AP COMMERCIAL DOWNSPOUT SUPPORTS: STRAPS B. RELATED SECTIONS: INSTRUCTIONS. 'JS-3'- SINGLE-COMPONENT. NONSAG, URETHANE JOINT SEALANT: ASTM C 920, (687) 838-6000 TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. C22-129

COATINGS IN THESE AREAS. AS REQUIRED. TO MAINTAIN THE SYSTEM NTEGRITY AND PROVIDE DESIRED PROTECTION.

 PRODUCT NAME OR TITLE OF MATERIAL PRODUCT DESCRIPTION (GENERIC CLASSIFICATION OR BINDER TYPE)

3. MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURE. 4. CONTENTS BY VOLUME, FOR PIGMENT AND VEHICLE CONSTITUENTS.

JSED IN STORAGE IN A CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND

REMOVE OILY RAGS AND WASTE DAILY. TAKE NECESSARY MEASURES T

ENSURE THAT WORKERS AND WORK AREAS ARE PROTECTED FROM FIRE

IND HEALTH HAZARDS RESULTING FROM HANDLING, MIXING, AND

APPLY WATER-BASED PAINTS ONLY WHEN THE TEMPERATURE OF SURFACES TO

APPLY SOLVENT-THINNED PAINTS ONLY WHEN THE TEMPERATURE OF SURFACES

DO NOT APPLY PAINT IN SNOW, RAIN, FOG. OR MIST: OR WHEN THE RELATIVE

DEG C) ABOVE THE DEW POINT; OR TO DAMP OR WET SURFACES.

BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 50 DEG F (10

O BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 45 DEG F

HUMIDITY EXCEEDS 85 PERCENT: OR AT TEMPERATURES LESS THAN 5 DEG F (3)

PAINTING MAY CONTINUE DURING INCLEMENT WEATHER IF SURFACES AND

LIMITS SPECIFIED BY THE MANUFACTURER DURING APPLICATION AND

AREAS TO BE PAINTED ARE ENCLOSED AND HEATED WITHIN TEMPERATURE

1. PROTECT FROM FREEZING. KEEP STORAGE AREA NEAT AND ORDERL'

JNOPENED PACKAGES AND CONTAINERS BEARING MANUFACTURER'S NAME AND

SINGLE-SOURCE RESPONSIBILITY: PROVIDE PRIMERS AND UNDERCOAT PAINT

DELIVER MATERIALS TO THE JOB SITE IN THE MANUFACTURER'S ORIGINA

THINNING INSTRUCTIONS APPLICATION INSTRUCTION:

COLOR NAME AND NUMBER STORE MATERIALS NOT IN USE IN TIGHTLY COVERED CONTAINERS IN A WELL-VENTILATED AREA AT A MINIMUM AMBIENT TEMPERATURE OF 45 DEG F (7 DEG C). MAINTAIN CONTAINERS

APPLICATION.

DEG C) AND 90 DEG F (32 DEG C)

(7 DEG C) AND 95 DEG F (35 DEG C)

DRYING PERIODS

LABEL, AND THE FOLLOWING INFORMATION

DELIVERIES, STORAGE, AND HANDLING

3.3 INSTALLATION REQUIREMENTS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CISCA "CEILING

GENERAL: INSTALL ACOUSTICAL CEILING SYSTEMS IN ACCORDANCE WITH ASTM C636 SYSTEMS HANDBOOK."

SHOWN BY REFLECTED CEILING PLANS. SUSPEND CEILING HANGERS FROM BUILDING STRUCTURAL MEMBERS AND AS FOLLOWS: INSTALL HANGERS PLUMB AND FREE FROM CONTACT WITH INSULATION OR OTHER OBJECTS WITHIN CEILING PLENUM THAT ARE NOT PART OF SUPPORTING STRUCTURAL OR CEILING SUSPENSION SYSTEM. SPLAY HANGERS ONLY WHERE

> ESTABLISHED BY REFERENCED STANDARDS STRUCTURES OR TO INSERTS, EYESCREWS, OR OTHER DEVICES THAT ARE SECURE AND APPROPRIATE FOR SUBSTRATE, AND IN A MANNER THAT WILL NOT CAUSE THEM

SECURE WIRE HANGERS BY LOOPING AND WIRE-TYING, EITHER DIRECTLY TO TO DETERIORATE OR OTHERWISE FAIL DUE TO AGE, CORROSION, OR ELECTED TEMPERATURE

STRUCTURAL MEMBERS. SPACE HANGERS NOT MORE THAN 4 FEET ON CENTER ALONG EACH MEMBER SUPPORTED DIRECTLY FROM HANGERS, UNLESS OTHERWISE SHOWN, AN PROVIDE HANGERS NOT MORE THAN 8 INCHES FROM ENDS OR EACH MEMBER

PART 2 - PRODUCTS 2.1 MANUFACTURERS

1.4 JOB CONDITIONS

A. PAINT: PROVIDE PAINT AS SCHEDULED ON DRAWINGS. 2.2 PAINT MATERIALS, GENERAL MATERIAL COMPATIBILITY: PROVIDE BLOCK FILLERS, PRIMERS, FINISH COAT MATERIALS, AND RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE

ND OTHER DISCARDED PAINT MATERIALS FROM THE SITE. AFTER COMPLETING PAINT BY WASHING AND SCRAPING. BE CAREFUL NOT TO SCRATCH OR DAMAGE ADJACENT FINISHED SURFACES.

3.5 PROTECTION

A. PROTECT WORK OF OTHER TRADES, WHETHER BEING PAINTED OR NOT AGAINST AMAGE BY PAINTING. CORRECT DAMAGE BY CLEANING, REPAIRING OR

REPLACING, AND REPAINTING, AS ACCEPTABLE TO ARCHITECT.

Checked SH JUNE 2023 roiect No. Orawing No C22-129

END OF SECTION 08 70 00 ART 1 - GENERAL RELATED DOCUMENTS

DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION.

MANUFACTURER IS USED IN THIS SECTION TO REFER TO A FIRM THA PRODUCES PRIMARY GLASS OR FABRICATED GLASS AS DEFINED IN THE REFERENCED GLAZING STANDARD. DETERIORATION OF INSULATING GLASS: FAILURE OF THE HERMETIC SEA

SECTION 08 80 00

A. CLASS: CLASS 1, FULLY TEMPERED

B. AVAILABLE MANUFACTURERS

2.7 ELASTOMERIC GLAZING SEALANTS

OLDCASTLE GLASS.

2. PPG INDUSTRIES, INC

COMPATIBILITY: SELECT GLAZING SEALANTS AND TAPES OF PROVEN

PRODUCTS, SEALS OF INSULATING GLASS UNITS, AND GLAZING (

SUITABILITY: COMPLY WITH SEALANT AND GLASS MANUFACTURER

MONSTRATED BY TESTING AND FIELD EXPERIENCE

OF STANDARD COLORS FOR PRODUCTS OF TYPE INDICATED.

TREMCO OR 790 BUILDING SEALANT BY DOW CORNING, INC.

USED IN TEST ASSEMBLY TO OBTAIN FIRE-RESISTIVE RATING.

C 920 FOR USES INDICATED.

SUBSTRATES. UNDER CONDITIONS OF INSTALLATION AND SERVICE, AS

COMPATIBILITY WITH OTHER MATERIALS THEY WILL CONTACT. INCLUDING GLASS

RECOMMENDATIONS FOR SELECTING GLAZING SEALANTS AND TAPES THAT ARE

3. PROVIDE COLOR OF EXPOSED JOINT SEALANTS TO COMPLY WITH THE FOLLOWING:

MANUFACTURERS: PROVIDE PRODUCTS FROM ONE OF THE FOLLOWING: SPECTRUM BY

ELASTOMERIC GLAZING SEALANT STANDARD: PROVIDE MANUFACTURER'S STANDAR

CHEMICALLY CURING, ELASTOMERIC SEALANTS OF BASE POLYMER INDICATED THAT

REFERENCING ASTM CLASSIFICATIONS FOR TYPE, GRADE, CLASS AND USES.

COMPLY WITH ASTM C 920 REQUIREMENTS INDICATED ON EACH ELASTOMERIC GLAZING

1. ADDITIONAL MOVEMENT CAPABILITY: WHERE ADDITIONAL MOVEMENT CAPABILITY

PRODUCTS. WHEN TESTED FOR ADHESION AND COHESION UNDER MAXIMUM

CYCLIC MOVEMENT PER ASTM C 719, WITH THE CAPABILITY TO WITHSTAND THE

SPECIFIED PERCENTAGE CHANGE IN THE JOINT WIDTH EXISTING AT TIME OF

D. GLAZING SEALANT FOR FIRE-RESISTANT GLAZING PRODUCTS: IDENTICAL TO PRODUCT

EXPANDED CELLULAR GLAZING TAPE: CLOSED-CELL, POLYVINYL CHLORIDE FOAM TAPE

FACTORY COATED WITH ADHESIVE ON BOTH SURFACES, PACKAGED ON ROLLS WITH

GENERAL: PROVIDE PRODUCTS OF MATERIAL, SIZE, AND SHAPE COMPLYING WITH

EFERENCED GLAZING STANDARD, REQUIREMENTS OF MANUFACTURERS OF GLASS AND

OTHER GLAZING MATERIALS INVOLVED FOR GLAZING APPLICATION INDICATED. AND WITH

A PROVEN RECORD OF COMPATIBILITY WITH SURFACES CONTACTED IN INSTALLATION.

CLEANERS, PRIMERS AND SEALERS: TYPE RECOMMENDED BY SEALANT OR GASKET

IS SPECIFIED IN ELASTOMERIC GLAZING SEALANT PRODUCT DATA SHEET, PROVIDE

INSTALLATION AND REMAIN IN COMPLIANCE WITH OTHER REQUIREMENTS OF ASTM

SUITABLE FOR APPLICATIONS INDICATED AND CONDITIONS EXISTING AT TIME OF

PROVIDE SELECTIONS MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE

UNDER NORMAL USE DUE TO CAUSES OTHER THAN GLASS BREAKAGE AND MPROPER PRACTICES FOR MAINTAINING. AND CLEANING INSULATING GLAS EVIDENCE OF FAILURE IS THE OBSTRUCTION OF VISION BY DUST, MOISTURE OR FILM ON THE INTERIOR SURFACES OF GLASS. IMPROPER PRACTICES FO MAINTAINING AND CLEANING GLASS DO NOT COMPLY WITH THE MANUFACTURER'S DIRECTIONS.

GENERAL: PROVIDE GLAZING SYSTEMS THAT ARE PRODUCED, FABRICATED AND IMPACT LOADING (WHERE APPLICABLE), WITHOUT FAILURE INCLUDING MANUFACTURE, FABRICATION, AND INSTALLATION: FAILURE OF SEALANTS OR ASKETS TO REMAIN WATERTIGHT AND AIRTIGHT; DETERIORATION OF GLAZING MATERIALS: AND OTHER DEFECTS IN CONSTRUCTION.

GLASS DESIGN: GLASS THICKNESSES INDICATED ON DRAWINGS ARE FOR DETAILING ONLY. CONFIRM GLASS THICKNESSES BY ANALYZING PROJECT LOADS AND IN-SERVICE CONDITIONS. PROVIDE GLASS LITES FOR THE VARIOUS SIZE OPENINGS IN THE THICKNESSES AND STRENGTHS (ANNEALED OR HEAT-TREATED) TO MEET OR EXCEED THE FOLLOWING CRITERIA:

MINIMUM GLASS THICKNESS, NOMINALLY, OF LITES IN EXTERIOR WALLS IS 6.0 MM (0.23 INCH).

ANNEALED OR HEAT-TREATED GLASS, ARE SELECTED SO THE

WORST-CASE PROBABILITY OF FAILURE DOES NOT EXCEED THE OVER 15 DEGREES OFF VERTICAL AND UNDER WIND ACTION. DETERMINE MINIMUM THICKNESS OF MONOLITHIC ANNEALED GLASS ACCORDING TO ASTM F 1300 FOR OTHER THAN MONOLITHIC ANNEALED GLASS, DETERMINE THICKNESS PER GLASS MANUFACTURER'S STANDARD METHOD OF ANALYSIS INCLUDING APPLYING ADJUSTMENT FACTORS TO ASTM E 1300 BASED ON TYPE OF

NORMAL THERMAL MOVEMENTS RESULTS FROM AMBIENT AND SURFACE TEMPERATURES CHANGES ACTING ON GLASS-FRAMING MEMBERS AND GLAZING COMPONENTS. BASE ENGINEERING CALCULATION ON MATERIALS' ACTUAL SURFACE TEMPERATURES DUE FRAME OPENINGS OTHER THAN FLOOR OPENINGS THE SAME AS REQUIRED FOR

DOOR OPENINGS, UNLESS OTHERWISE INDICATED. INSTALL FRAMING BELOW

SILLS OF OPENINGS TO MATCH FRAMING REQUIRED ABOVE DOOR HEADS.

UNTIL GYPSUM BOARD IS INSTALLED, HOLD INSULATION IN PLACE WITH 10-INCH

ABUTTING END JOINTS AND TO AVOID ABUTTING END JOINTS IN THE CENTRAL AREA OF

EACH CEILING. STAGGER ABUTTING END JOINTS OF ADJACENT PANELS NOT LESS

PANELS. BUTT PANELS TOGETHER FOR A LIGHT CONTACT AT EDGES AND ENDS WITH

NOT MORE THAN 1/16 INCH OF OPEN SPACE BETWEEN PANELS. DO NOT FORCE INTO

APPLICATIONS WHERE INTERMEDIATE SUPPORTS OR GYPSUM BOARD BACK BLOCKING

EDGES OR ENDS. STAGGER VERTICAL JOINTS ON OPPOSITE SIDES OF PARTITIONS.

AVOID JOINTS OTHER THAN CONTROL JOINTS AT CORNERS OF FRAMED OPENINGS

ATTACH GYPSUM PANELS TO STUDS SO LEADING EDGE OR END OF EACH PANEL IS

1. FIRE TAPE, SPACKLE, AND FIRE CAULK ALL PENETRATIONS INTO RATED AND/OR

STRUCTURAL ABUTMENTS, EXCEPT FLOORS. PROVIDE 1/4- TO 1/2-INCH-WIDE SPACES

AT THESE LOCATIONS AND TRIM EDGES WITH LC-BEAD EDGE TRIM WHERE EDGES OF

SPACE FASTENERS IN GYPSUM PANELS ACCORDING TO REFERENCED GYPSUM BOARD

APPLICATION AND FINISHING STANDARD AND MANUFACTURER'S RECOMMENDATIONS

GYPSUM PANELS ARE EXPOSED. SEAL JOINTS BETWEEN EDGES AND ABUTTING

FORM CONTROL AND EXPANSION JOINTS AT LOCATIONS INDICATED AND AS DETAILED

WITH SPACE BETWEEN EDGES OF ADJOINING GYPSUM PANELS, AS WELL AS

ISOLATE PERIMETER OF NONLOAD-BEARING GYPSUM BOARD PARTITIONS AT

J. SPACE SCREWS A MAXIMUM OF 12 INCHES O.C. FOR VERTICAL APPLICATIONS

ATTACH GYPSUM PANELS TO FRAMING PROVIDED AT OPENINGS AND CUTOUTS.

WIRE AND INSERTED THROUGH SLOT IN WEB OF MEMBER

A. GYPSUM BOARD APPLICATION AND FINISHING STANDARDS: INSTALL AND FINISH

INSTALL GYPSUM PANELS WITH FACE SIDE OUT. DO NOT INSTALL IMPERFECT,

LOCATE BOTH EDGE OR END JOINTS OVER SUPPORTS, EXCEPT IN CEILING

ATTACHED TO OPEN (UNSUPPORTED) EDGES OF STUD FLANGES FIRST

IS PROVIDED BEHIND END JOINTS. DO NOT PLACE TAPERED EDGES AGAIN

SPECIFIED IN DIVISION 7 SECTION "BUILDING INSULATION."

GYPSUM PANELS TO COMPLY WITH ASTM C840 AND GA-216

3.4 APPLYING AND FINISHING GYPSUM BOARD, GENERAL

THAN ONE FRAMING MEMBER

DAMAGED, OR DAMP

WHERE POSSIBLE.

SHAFT WALLS.

SUPPORTING FRAMING BEHIND GYPSUM PANELS.

POLYETHYLENE VAPOR RETARDER: INSTALL TO COMPLY WITH REQUIREMENTS

(250-MM) STAPLES FABRICATED FROM 0.0625-INCH- (1.59-MM-) DIAMETER, TIE

PART 1 - GENERAL D. Z-FURRING MEMBERS: ERECT INSULATION VERTICALLY AND HOLD IN PLACE WITH 1.1 RELATED DOCUMENTS A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION.

A. GENERAL: PROVIDE PRODUCTS OF TYPE INDICATED, COMPLYING WITH THE FOLLOWING 1.2 DEFINITIONS GYPSUM BOARD CONSTRUCTION TERMINOLOGY: REFER TO ASTM C 11 AND GA-505 FOR DEFINITIONS OF TERMS FOR GYPSUM BOARD ASSEMBLIES NOT DEFINED IN THIS SECTION OR IN OTHER REFERENCED STANDARD

ASSEMBLY PERFORMANCE REQUIREMENTS A. FIRE RESISTANCE: PROVIDE GYPSUM BOARD ASSEMBLIES WITH FIRE-RESISTANCE RATINGS INDICATED

SINGLE-SOURCE RESPONSIBILITY FOR FINISHING MATERIALS: OBTAIN FINISHING MATERIALS FROM EITHER THE SAME MANUFACTURER THAT SUPPLIES GYPSUM PANEL PRODUCTS OR FROM A MANUFACTURER ACCEPTABLE TO GYPSUM BOARI MANUFACTURER. FIRE-TEST-RESPONSE CHARACTERISTICS: WHERE FIRE-RESISTANCE-RATED GYPSUM BOARD ASSEMBLIES ARE INDICATED, PROVIDE GYPSUM BOARD

ASSEMBLIES THAT COMPLY WITH THE FOLLOWING REQUIREMENTS: FIRE-RESISTANCE RATINGS: AS INDICATED BY GA FILE NUMBERS IN GA-600 'FIRE RESISTANCE DESIGN MANUAL" OR DESIGN "FIRE RESISTANCE DIRECTORY" OR IN THE LISTING OF ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION DELIVERY, STORAGE, AND HANDLING DELIVER MATERIALS IN ORIGINAL PACKAGES, CONTAINERS, OR BUNDLES BEARING BRAND NAME AND IDENTIFICATION OF MANUFACTURER OR SUPPLIER.

STORE MATERIALS INSIDE UNDER COVER AND KEEP THEM DRY AND PROTECTED AGAINST DAMAGE FROM WEATHER, DIRECT SUNLIGHT, SURFACE CONTAMINATION, CORROSION, CONSTRUCTION TRAFFIC, AND OTHER CAUSES. NEATLY STACK GYPSUM PANELS FLAT TO PREVENT SAGGING. PROJECT CONDITIONS ENVIRONMENTAL CONDITIONS GENERAL: ESTABLISH AND MAINTAIN ENVIRONMENTAL CONDITIONS FOR APPLYING AND FINISHING GYPSUM BOARD TO

ARE MORE STRINGENT ROOM TEMPERATURES: FOR NONADHESIVE ATTACHMENT OF GYPSUM BOARD TO RAMING, MAINTAIN NOT LESS THAN 40 DEG F. FOR ADHESIVE ATTACHMENT AND FINISHING OF GYPSUM BOARD. MAINTAIN NOT LESS THAN 50 DEG F FOR 48 HOURS FORE APPLICATION AND CONTINUOUSLY AFTER UNTIL DRY. DO NOT EXCEED 9 DEG F WHEN USING TEMPORARY HEAT SOURCES. VENTILATION: VENTILATE BUILDING SPACES AS REQUIRED TO DRY JOINT FREATMENT MATERIALS. AVOID DRAFTS DURING HOT, DRY WEATHER TO PREVENT

FINISHING MATERIALS FROM DRYING TOO RAPIDLY.

COMPLY WITH ASTM C 840 REQUIREMENTS OR GYPSUM BOARD MANUFACTURER'S

PROHIBIT ALL FOOT AND WHEEL TRAFFIC FROM USING NEWLY TILED FLOORS FOR AT LEAST THREE (3) DAYS, PREFERABLY SEVEN (7) DAYS. WHEN TRAFFIC IS UNAVOIDABLE, USE LARGE FLAT BOARDS FOR WALKWAYS FOR SEVEN (7) DAYS AND INSTALLED IN MANNER TO PREVENT DAMAGE OR MARRING OF TILE. REPAIR AND REPLACE DAMAGED UNITS.

FURNISH EXTRA MATERIALS FOR OWNER'S FUTURE USE. FLOOR, BASE, & WALL TILE: ONE FULL BOX, OF EACH TYPE AND PATTERN OF TILE MATERIAL INSTALLED. DELIVER IN PLAINLY

MARKED BOXES. INCLUDE GROUT IN QUANTITIES TO MATCH TILE. STORE AS DIRECTED BY PART 2 - PRODUCTS

A. CERAMIC TILE: AS SCHEDULED ON FLOOR FINISH PLAN(S) B MORTAR GROUT AND ADHESIVE: SUBJECT TO COMPLIANCE WITH REQUIREMENTS HEREI PROVIDE PRODUCTS FROM ONE OF THE FOLLOWING: LATICRETE INTERNATIONAL, INC. OR MAPEL CORPORATION PER FLOOR FINISH PLAN(S) 2.2 MATERIALS

 A. SETTING BED MATERIALS FOR STANDARD THIN-SET METHOD ON CONCRETE OR MASONRY: PRE-SANDED ACTORY MIXED DRY-SET MORTAR PER ANSI A 118.1 OR LATEX/CEMENT MORTAR PER ANSI A 118.4. FOR WATERPROOFING THIN-SET METHOD: APPLIED POLYMERS OF AMERICA, INC.

DISTRIBUTED BY AMERICAN OLEAN TILE COMPANY. SETTING MATERIAL SHALL BE AN ORGANIC ADHESIVE (ANSI A 136.1) SPACES SUBJECT TO DAMP OR WET CONDITIONS.

TILE MANUFACTURER. ALL RENDERING, SCREEDING, SOUND CONTROL. THERPROOFING, TILE INSTALLATION AND GROUTING/POINTING MATERIALS SHALL BE AS SUPPLIED BY MANUFACTURER RECOMMENDED BY THE CERAMIC TILE SUPPLIER. COLOR CHOSEN BY THE OWNER'S REPRESENTATIVE PROVIDE NECESSARY CAPS, STOPS, RETURNS, TRIMMERS AND OTHER SHAPES TO

MAPEI FIBERGLASS MESH 2. WP-900 HYDRO BLOC WATERPROOF AND CRACK ISOLATION MEMBRANE. A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS HEREIN, PROVIDE PRODUCTS FROM:

SUSPENSION SYSTEM SHALL NOT BE LESS IN SIZE AND STRENGTH THAN REQUIRED TO SUPPORT ITSELF AND SHALL BE INCREASED IN SIZE AND STRENGTH AS NECESSARY TO SUPPORT THE LIGHT FIXTURES, ACOUSTICAL UNITS AND RELATED ITEMS WITHOUT DEFLECTING MORE THAN 1/360 OF THE SPAN WHEN TESTED AS A SIMPLE BEAM, ENDS FREE

EXAMINE SUBSTRATES AND STRUCTURAL FRAMING TO WHICH CEILING SYSTEM ATTACHES OR ABUTS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS SPECIFIED

IN THIS AND OTHER SECTIONS THAT AFFECT INSTALLATION AND ANCHORAGE OF CEILING

SYSTEM. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS 3.2 PREPARATION A COORDINATION: FURNISH LAYOUTS FOR PRESET INSERTS, CLIPS, AND OTHER CEILING ANCHORS WHOSE INSTALLATION IS SPECIFIED IN OTHER SECTIONS.

FURNISH INSERTS AND SIMILAR DEVICES TO OTHER TRADES FOR INSTALLATION MEASURE EACH CEILING AREA AND ESTABLISH LAYOUT OF ACOUSTICAL UNITS TO BALANCE BORDER WIDTHS AT OPPOSITE EDGES OF EACH CEILING. AVOID USE OF ESS-THAN-HALF-WIDTH UNITS AT BORDERS, AND COMPLY WITH REFLECTED CEILING

ARRANGE ACOUSTICAL UNITS AND ORIENT DIRECTIONALLY PATTERNED UNITS IN MANNER

IRED TO MISS OBSTRUCTIONS AND OFFSET RESULTING HORIZONTA FORCES BY BRACING, COUNTER-PLAYING, OR OTHER EQUALLY EFFECTIVE MEANS. WHERE WIDTH OF DUCTS AND OTHER CONSTRUCTION WITHIN CEILING PLENUM AT SPACINGS REQUIRED TO SUPPORT STANDARD SUSPENSION SYSTEM MEMBERS. TRAPEZES OR EQUIVALENT DEVICES. SIZE SUPPLEMENTAL SUSPENSION MEMBERS

DO NOT ATTACH HANGERS TO STEEL ROOF DECK. ATTACH HANGERS TO

5. THE TERM EXPOSED SURFACES INCLUDES AREAS VISIBLE WHEN PERMANE OR BUILT-IN FIXTURES, CONVECTOR COVERS, COVERS FOR FINNED TUBE RADIATION, GRILLES, AND SIMILAR COMPONENTS ARE IN PLACE. EXTEND

SCHEDULING PAINTING: APPLY FIRST COAT TO SURFACES THAT HAVE BEEN EANED, PRETREATED, OR OTHERWISE PREPARED FOR PAINTING AS SOON AS PRACTICABLE AFTER PREPARATION AND BEFORE SUBSEQUENT SURFACE

DOES NOT CAUSE THE UNDERCOAT TO LIFT OR LOSE ADHESION D. APPLICATION PROCEDURES: APPLY PAINTS AND COATINGS BY BRUSH, ROLLER SPRAY, OR OTHER APPLICATORS ACCORDING TO THE MANUFACTURER'S

FILM THICKNESS OF THE ENTIRE SYSTEM AS RECOMMENDED BY THE BLOCK FILLERS: APPLY BLOCK FILLERS TO CONCRETE MASONRY BLOCK AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES FILLED

MATERIAL, AS RECOMMENDED BY THE MANUFACTURER, TO MATERIAL THAT IS

SUCTION SPOTS OR UNSEALED AREAS IN FIRST COAT APPEARS, TO ENSURE A H COAT WITH NO BURN-THROUGH OR OTHER DEFECTS DUE TO INSUFFICIENT SEALING. PIGMENTED (OPAQUE) FINISHES: COMPLETELY COVER TO PROVIDE A SMOOTH OPAQUE SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE CLOUDINESS. SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

PRIME COATS: BEFORE APPLYING FINISH COATS, APPLY A PRIME COAT OF

COMPLETED WORK: MATCH APPROVED SAMPLES FOR COLOR, TEXTURE, AND COVERAGE. REMOVE, REFINISH, OR REPAINT WORK NOT COMPLYING WITH SPECIFIED REQUIREMENTS

AINTING, CLEAN GLASS AND PAINT-SPATTERED SURFACES. REMOVE SPATTERED

THEIR WORK AFTER COMPLETING PAINTING OPERATIONS.

FOUCH UP AND RESTORE DAMAGED OR DEFACED PAINTED SURFACES.

US 2112 PROTOTYPE

SYSTEM PERFORMANCE REQUIREMENTS

MINIMUM GLASS THICKNESSES OF LITES WHETHER COMPOSED OF

RELEASE LINER PROTECTING ADHESIVE. AND COMPLYING WITH AAMA 800 FOR PRODUCT B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS AS FOLLOWS NORSEAL V-980 CLOSED-CELL GLAZING TAPE, NORTON COMPANY 2.9 MISCELLANEOUS GLAZING MATERIALS

a. TEMPERATURE CHANGE: 120 DEG F (67 DEG C), AMBIENT; 180 DEG F

DIVISION 09 - FINISHES SECTION 09 21 00 GYPSUM BOARD ASSEMBLIES

SINGLE-SOURCE RESPONSIBILITY FOR PANEL PRODUCTS: OBTAIN EACH TYPE OF

RECOMMENDATIONS, WHICHEVER

1.6 EXTRA MATERIALS

2.1 MANUFACTURERS

TILE-TITE", A TROWEL-APPLIED, ONE PART POLYURETHANE WATERPROOFING MEMBRANE ADHESIVE.

TYPE II. USE TYPE I IN SHOWER ROOMS, TUB ROOMS, TOILET ROOMS, AND ALL FOR CERAMIC WALL TILE, GROUT SHALL BE LATEX AND WHITE WATERPROOF 2. FOR CERAMIC FLOOR TILE, GROUT SHALL BE GROUT AND JOINT FILLER FORTIFIED STAINLESS ADMIX AND CHEMICAL RESISTANCE AS RECOMMENDED BY THE FLOOR

COMPLETE INSTALLATION 2. COLOR AND FINISH TO MATCH WALL TILE D. RENOVATIONS - CRACKED WALL TILE

SCHLUTER SYSTEMS LP. JOLLY AND RONDEC

ANOTHER AND THE SUBSTRATES INDICATED UNDER CONDITIONS OF SERVICE

AND APPLICATION, AS DEMONSTRATED BY THE MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

1. ALLOW SUFFICIENT TIME BETWEEN SUCCESSIVE COATS TO PERMIT PROPER DRYING. DO NOT RECOAT UNTIL PAINT HAS DRIED TO WHERE I FEELS FIRM. DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE THUMB PRESSURE, AND WHERE APPLICATION OF ANOTHER COAT OF PAINT

MINIMUM COATING THICKNESS: APPLY MATERIALS NO THINNER THAN THE MANUFACTURER'S RECOMMENDED SPREADING RATE. PROVIDE THE TOTAL DRY MANUFACTURER.

REQUIRED TO BE PAINTED OR FINISHED AND THAT HAS NOT BEEN PRIME-COATED BY OTHERS. RECOAT PRIMED AND SEALED SURFACES WHERE EVIDENCE OF

CLEANUP: AT THE END OF EACH WORK DAY, REMOVE EMPTY CANS, RAGS, RUBBIS

B. PROVIDE "WET PAINT" SIGNS TO PROTECT NEWLY PAINTED FINISHES. REMOVE AT COMPLETION OF CONSTRUCTION ACTIVITIES OF OTHER TRADES.

END OF SECTION 09 91 00

1517 NC 24-87 CAMERON, NO

ARCHITECTURAL SPECIFICATIONS

(100 DEG C), MATERIAL SURFACES.

O BOTH SOLAR HEAT GAIN AND NIGHTTIME SKY HEAT LOSS.

DIVISION 10 - SPECIALTIES 2.3 PORTABLE FIRE EXTINGUISHERS **DIVISION 12 - WINDOW TREATMENTS** B. COLOR AND TEXTURE (TO BE VERIFIED WITH OWNER): A. GENERAL: PROVIDE FIRE EXTINGUISHERS OF TYPE, SIZE, AND CAPACITY FOR EACH **SECTION 10 14 23** STAINLESS STEEL. ROLL-DOWN BLINDS CABINET AND OTHER LOCATIONS INDICATED 2. PVC PLASTIC - WHITE . PART 1 - GENERAL B. MULTIPURPOSE DRY-CHEMICAL TYPE: UL-RATED 4-A:60-B:C, 10-LB NOMINAL CAPACITY, PART 1 - GENERAL C. RETAINER CLIPS: MANUFACTURER'S STANDARD IMPACT-ABSORBING CLIPS. SUMMARY 1. TOP AND BOTTOM CAPS: PREFABRICATED, INJECTION-MOLDED PLASTIC: COLOR 2.4 FIRE - PROTECTION CABINETS A. SECTION INCLUDES: MATCHING COVER: FIELD ADJUSTABLE FOR CLOSE ALIGNMENT WITH SNAP-ON A. CABINET CONSTRUCTION: PROVIDE MANUFACTURER'S STANDARD BOX (TUB), WITH ILLUMINATED PANEL SIGNS. 1.2 SYSTEM DESCRIPTION TRIM, FRAME, DOOR, AND HARDWARE TO SUIT CABINET TYPE, TRIM STYLE, AND DOOR STYLE INDICATED. WELD JOINTS AND GRIND SMOOTH. MITER AND WELD PERIMETER 2. ROOM-IDENTIFICATION SIGNS. PART 3 - EXECUTION DOOR FRAMES. CONTRACTOR TO VERIFY COLOR SELECTION OF ALL ACTION SUBMITTALS FIRE-PROTECTION CABINETS WITH OWNER PRIOR TO ANY WORK. 1.3 SUBMITTALS 3.1 INSTALLATION A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT. FIRE-RATED CABINETS: LISTED AND LABELED TO MEET REQUIREMENTS OF A. GENERAL: INSTALL IMPACT-RESISTANT WALL PROTECTION UNITS LEVEL, PLUMB, ASTM E814 FOR FIRE-RESISTANCE RATING OF WALL WHERE IT IS INSTALLED AND TRUE TO LINE WITHOUT DISTORTIONS. DO NOT USE MATERIALS WITH B. SHOP DRAWINGS: FOR PANEL SIGNS. CONSTRUCTION FIRE-RATED CABINETS WITH DOUBLE WALLS FABRICATED CHIPS, CRACKS, VOIDS, STAINS, OR OTHER DEFECTS THAT MIGHT BE VISIBLE IN THE 1. INCLUDE FABRICATION AND INSTALLATION DETAILS AND FROM 0.0478 INCH THICK, COLD-ROLLED STEEL SHEET LINED WITH MINIMUM 5/8 INCH THICK, FIRE-BARRIER MATERIAL. PROVIDE FACTORY DRILLED MOUNTING ATTACHMENTS TO OTHER WORK. 1. INSTALL IMPACT-RESISTANT WALL PROTECTION UNITS IN LOCATIONS AND 2. SHOW SIGN MOUNTING HEIGHTS, LOCATIONS OF SUPPLEMENTARY AT MOUNTING HEIGHTS INDICATED ON DRAWINGS. 2. CABINET METAL: ENAMELED STEEL HOLES. 2. PROVIDE SPLICES, MOUNTING HARDWARE, ANCHORS, AND OTHER 1.4 QUALITY ASSURANCE SHOW MESSAGE LIST, TYPESTYLES, GRAPHIC ELEMENTS[, INCLUDING B. CABINET TYPE: SUITABLE FOR FIRE EXTINGUISHER. ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. RAISED CHARACTERS AND BRAILLE], AND LAYOUT FOR EACH SIGN AT CABINET MOUNTING: PROVIDE SEMI-RECESSED CABINET BOX PARTIALLY TO SUIT a. PROVIDE ANCHORING DEVICES TO WITHSTAND IMPOSED LOADS. STYLE OF TRIM INDICATED. LOCATE CABINET PER ADAAG'S REACH REQUIREMENTS. IMMEDIATELY AFTER COMPLETION OF INSTALLATION, CLEAN PLASTIC COVERS FOR AN UNOBSTRUCTED APPROACH, THE MAXIMUM REACH IS 48 INCHES (1220 MM SHOW LOCATIONS OF ELECTRICAL SERVICE CONNECTIONS. AND ACCESSORIES USING A STANDARD, AMMONIA-BASED, HOUSEHOLD CLEANING ABOVE THE FLOOR. THE MAXIMUM REACH FOR A SIDE APPROACH IS 54 INCHES (1370 5. INCLUDE DIAGRAMS FOR POWER, SIGNAL, AND CONTROL WIRING. PART 2 - PRODUCTS C. SAMPLES: FOR EACH EXPOSED PRODUCT AND FOR EACH COLOR AND D. CABINET TRIM STYLE: FABRICATE TRIM IN ONE PIECE WITH CORNERS MITERED, C. REMOVE EXCESS ADHESIVE USING METHODS AND MATERIALS RECOMMENDED TEXTURE SPECIFIED. IN WRITING BY MANUFACTURER WELDED AND GROUND SMOOTH EXPOSED TRIM ONE-PIECE COMBINATION TRIM 2.1 MANUFACTURER AND PERIMETER DOOR FRAME OVERLAPPING SURROUNDING WALL SURFACE WITH D. SIGN SCHEDULE: USE SAME DESIGNATIONS SPECIFIED OR INDICATED ON EXPOSED TRIM FACE AND WALL RETURN AT OUTER EDGE (BACKEND). ROLLED-EDGE DRAWINGS OR IN A SIGN SCHEDULE. END OF SECTION 10 26 00 TRIM: 2-1/2 INCH BACKBEND DEPTH INFORMATIONAL SUBMITTALS E. CABINET TRIM MATERIAL: MANUFACTURER'S STANDARD, SAME METAL AND FINISH AS A. SAMPLE WARRANTY. TOILET ACCESSORIES SECTION 10 28 00 CLOSEOUT SUBMITTALS F. DOOR MATERIAL: MANUFACTURER'S STANDARD, SHEET METAL. PART 1 - GENERAL MAINTENANCE DATA. G. DOOR STYLE: MANUFACTURER'S STANDARD DESIGN, SOLID OPAQUE PANEL WITH 1.1 RELATED DOCUMENTS WARRANTY A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. H. DOOR CONSTRUCTION: FABRICATE DOORS ACCORDING TO MANUFACTURER'S A. SPECIAL WARRANTY: MANUFACTURER AGREES TO REPAIR OR REPLACE STANDARDS, OF MATERIALS INDICATED, AND COORDINATED WITH CABINET TYPES 1.2 QUALITY ASSURANCE COMPONENTS OF SIGNS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN AND TRIM STYLES SELECTED. SPECIFIED WARRANTY PERIOD. SINGLE-SOURCE RESPONSIBILITY: PROVIDE PRODUCTS OF SAME DOOR HARDWARE: PROVIDE MANUFACTURER'S STANDARD DOOR-OPERATING MANUFACTURER FOR EACH TYPE OF ACCESSORY UNIT AND FOR UNITS WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL HARDWARE OF PROPER TYPE FOR CABINET TYPE, TRIM STYLE, AND DOOR MATERIAL EXPOSED TO VIEW IN SAME AREAS. COMPLETION. AND STYLE INDICATED. PROVIDE EITHER LEVER HANDLE WITH CAM-ACTION LATCH, OR EXPOSED OR CONCEALED DOOR PULL AND FRICTION LATCH. PROVIDE PART 2 - PRODUCTS CONCEALED OR CONTINUOUS-TYPE HINGE PERMITTING DOOR TO OPEN 180 DEGREES. A. COORDINATION: COORDINATE ACCESSORY LOCATIONS, INSTALLATION, AND SIGNS SEQUENCING WITH OTHER WORK TO AVOID INTERFERENCE AND TO ASSURE 2.5 ACCESSORIES PROPER INSTALLATION, OPERATION, ADJUSTMENT, CLEANING, AND SERVICING OF A. MANUFACTURER: APPROVED POPEYES SIGNAGE MANUFACTURER. A MOUNTING RRACKETS: MANUFACTURER'S STANDARD STEEL DESIGNED TO SECURE TOILET ACCESSORY ITEMS. B. PANEL SIGN: SIGN WITH SMOOTH, UNIFORM SURFACES; WITH MESSAGE AND EXTINGUISHER, OF SIZES REQUIRED FOR TYPES AND CAPACITIES OF EXTINGUISHERS PART 2 - PRODUCTS CHARACTERS HAVING UNIFORM FACES, SHARP CORNERS, AND PRECISELY INDICTED, WITH PLATED OR BAKED ENAMEL FINISH. FORMED LINES AND PROFILES; AND AS FOLLOWS: 2.1 MANUFACTURERS PROVIDE BRACKETS FOR EXTINGUISHERS NOT LOCATED IN CABINETS. 1. ILLUMINATED PANEL SIGN: BACKLIT CONSTRUCTION LIGHTING A. SEE EQUIPMENT PLAN AND SCHEDULE FOR TOILET ACCESSORIES INFORMATION 2. PROVIDE BRACKETS FOR EXTINGUISHERS LOCATED IN CABINETS. INCLUDING TRANSFORMERS, INSULATORS, AND/OR OTHER ACCESSORIES FOR OPERABILITY, WITH PROVISION FOR SERVICING B. IDENTIFICATION: PROVIDE LETTERING TO COMPLY WITH AUTHORITIES HAVING JURISDICTION FOR LETTER STYLE, COLOR, SIZE, SPACING, AND LOCATION. LOCATE 2.2 MATERIALS GENERAL AND CONCEALING CONNECTIONS TO BUILDING ELECTRICAL SYSTEM. A. STAINLESS STEEL: AISI TYPE 302/304, WITH POLISHED NO. 4 FINISH, 22 GAUGE USE TIGHT OR SEALED JOINT CONSTRUCTION TO PREVI AS DIRECTED BY THE OWNERS REPRESENTATIVE. (.034 INCH) MINIMUM THICKNESS. UNINTENTIONAL LIGHT LEAKAGE, SPACE LAMPS APART FROM EACH OTHER AND AWAY FROM SIGN SURFACES AS NEEDED TO ILLUMINATE 1. IDENTIFY FIRE EXTINGUISHER IN CABINET WITH THE WORDS "FIRE BRASS: LEADED AND UNLEADED, FLAT PRODUCTS, ASTM B19; RODS, SHAPES, EXTINGUISHER" APPLIED TO DOOR. APPLY BLACK VINYL LETTERS FORGINGS, AND FLAT PRODUCTS WITH FINISHED EDGES, ASTM B16; CASTINGS, a. POWER: AS INDICATED ON ELECTRICAL DRAWINGS. 2.6 COLORS AND TEXTURES C. CHROMIUM PLATING: NICKEL AND CHROMIUM ELECTRO-DEPOSITED ON BASE 2. MOUNTING: MANUFACTURER'S STANDARD METHOD FOR SUBSTRATES METAL, ASTM B 456, TYPE SC2. A. COLORS AND TEXTURES: AS SELECTED BY OWNER FROM MANUFACTURER'S FULL INDICATED ON EXTERIOR ELEVATIONS. RANGE FOR CHARACTERISTICS RESTROOM-IDENTIFICATION SIGN: SIGN WITH SMOOTH, UNIFORM SURFACES; D. FASTENERS: SCREWS, BOLTS, AND OTHER DEVICES OF SAME MATERIAL AS WITH MESSAGE AND CHARACTERS HAVING UNIFORM FACES, SHARP ACCESSORY UNIT OR OF GALVANIZED STEEL WHERE CONCEALED. 2.7 FINISHES, GENERAL CORNERS, AND PRECISELY FORMED LINES AND PROFILES; AND AS FOLLOWS: E. ALL STEEL PRODUCTS SHALL BE FABRICATED UTILIZING ONLY DOMESTICALLY A. COMPLY WITH NAAMM'S "METAL FINISHES MANUAL" FOR RECOMMENDATIONS FOR LAMINATED-SHEET SIGN: FACE SHEET WITH RAISED GRAPHICS APPLYING AND DESIGNATION FINISHES 2.3 RECESSED SANITARY NAPKIN DISPOSAL B. PROTECT MECHANICAL FINISHES ON EXPOSED SURFACES FROM DAMAGE BY a. COLOR AS PER AUTHORITIES HAVING JURISDICTION. APPLYING A STRIPPABLE, TEMPORARY PROTECTIVE COVERING BEFORE SHIPPING A. SATIN-FINISH STAINLESS STEEL. SEAMLESS BEVELED FLANGE. DOOR HAS MOUNTING: SURFACE MOUNTED TO WALL WITH ADHESIVE. TUMBLER LOCK. SELF-CLOSING PANEL COVERS DISPOSAL OPENING. APPEARANCE OF FINISHED WORK: VARIATIONS IN APPEARANCE OF ABUTTING OR REMOVABLE, LEAK-PROOF, 1.2 GAL. PLASTIC RECEPTACLE. ADJACENT PIECES ARE ACCEPTABLE IF THEY ARE WITHIN ONE-HALF OF THE RANGE PART 3 - EXECUTION OF APPROVED SAMPLES. NOTICEABLE VARIATIONS IN THE SAME PIECE ARE NOT PART 3 - EXECUTION ACCEPTABLE. VARIATIONS IN APPEARANCE OF OTHER COMPONENTS ARE 1 INSTALLATION SURFACE MOUNTED TYPE, HORIZONTAL. POLYPROPYLENE AND UNIBODY STEEL CCEPTABLE IF THEY ARE WITHIN THE RANGE OF THE APPROVED SAMPLES AND ARE 3.1 INSTALLATION A. GENERAL: INSTALL SIGNS USING MOUNTING METHODS INDICATED AND CHASSIS. STEEL ON STEEL HINGE WITH GAS SPRING MECHANISM ASSEMBLED OR INSTALLED TO MINIMIZE CONTRAST. ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. 2.5 SEMI-RECESSED GARBAGE CARINET AND DOOR FINISHES: PROVIDE MANUFACTURER'S STANDARD INSTALL SIGNS LEVEL, PLUMB, TRUE TO LINE, AND AT LOCATIONS AND BAKED-ENAMEL PAINT FOR THE FOLLOWING A TYPE 304 STAINLESS STEEL ALLOY 18-8 WITH SATIN FINISH 18 GALIGE DOOR MOUNTED HEIGHTS INDICATED, WITH SIGN SURFACES FREE OF DISTORTION AND EXTERIOR OF CABINETS AND DOORS. ON STAINLESS STEEL PIANO HINGE AND SHALL BE HELD CLOSED WITH TUMBLER. 20 OTHER DEFECTS IN APPEARANCE. GAUGE PUSH DOOR WITH INTERNATIONAL GRAPHIC SYMBOL IDENTIFYING WASTE 2. INTERIOR OF CABINETS AND DOORS. INSTALL SIGNS SO THEY DO NOT PROTRUDE OR OBSTRUCT CORDING TO THE ACCESSIBILITY STANDARD 2.8 STEEL FINISHES 2.6 GRAB BARS BEFORE INSTALLATION, VERIFY THAT SIGN SURFACES ARE CLEAN A. SURFACE PREPARATION: CLEANING SURFACES OF DIRT, OIL, GREASE, MILL SCALE, A. STAINLESS STEEL TYPE: PROVIDE GRAB BARS WITH WALL THICKNESS NOT LESS THAN AND FREE OF MATERIALS OR DEBRIS THAT WOULD IMPAIR RUST, AND CONTAMINANTS THAT COULD IMPAIR PAINT BOND USING MANUFACTURER'S 0.05 INCH (18 GAUGE). MOUNTING: CONCEALED, MANUFACTURER'S STANDARD METHODS. STANDARD FLANGES AND ANCHORAGE. MOUNTING PER MANUFACTURER'S STANDARD 4. CORROSION PROTECTION: COAT CONCEALED SURFACES OF FLANGES AND ANCHORAGE. CLEARANCE: 1-1/2 INCH CLEARANCE BETWEEN WALL FACTORY PRIMING FOR FIELD PAINTED FINISH: APPLY SHOP PRIMER SPECIFIED SURFACE AND INSIDE FACE OF BAR, GRIPPING SURFACES: MANUFACTURER'S BELOW IMMEDIATELY AFTER SURFACE PREPARATION AND PRETREATMENT. ALUMINUM IN CONTACT WITH GROUT, CONCRETE, MASONRY, WOOD, STANDARD. HEAVY-DUTY SIZE: OUTSIDE DIAMETER OF 1-1/2 INCHES. PROVIDE ONE SHOP PRIMER: MANUFACTURER'S OR FARRICATOR'S STANDARD FAST-CURING OR DISSIMILAR METALS. WITH A HEAVY COAT OF BITUMINOUS PAINT 18" LONG GRAB BAR; ONE 36" LONG GRAB BAR; ONE 42" LEAD AND CHROMATE-FREE, UNIVERSAL PRIMER, SELECTED FOR RESISTANCE LONG GRAB BAR; PER RESTROOM. TO NORMAL ATMOSPHERIC CORROSION, FOR COMPATIBILITY TO PROVIDE A B. MOUNTING METHODS HAND DRYER SOUND FOUNDATION FOR FIFL D-APPLIED 1. EXTERIOR ILLUMINATED BUILDING SIGNS: MOUNTING METHOD TO BE TOPCOATS DESPITE PROLONGED EXPOSURE. WARM AIR, RAPID DRYING, ENERGY EFFICIENT ELECTRIC HAND DRYER. PROVIDED BY MANUFACTURER. SURFACE MOUNTED. RECESSED KIT. POWER SOURCE 110/120V, 12.5AMP. BAKED-ENAMEL FINISH: IMMEDIATELY AFTER CLEANING PRETREATING, APPLY RESTROOM-IDENTIFICATION SIGN: MANUFACTURER'S STANDARD TWO-COAT. BAKED-ENAMEL FINISH CONSISTING OF RIME COAT AND THERMOSETTING TOPCOAT. COMPLY WITH PAINT MANUFACTURER'S a. ADHESIVE: CLEAN BOND-BREAKING MATERIALS FROM A. STAINLESS STEEL FRAMED MIRROR UNITS: FABRICATE FRAME WITH ANGLE WRITTEN INSTRUCTIONS FOR APPLYING AND BAKING TO ACHIEVE A MINIMUM DRY FILM SURFACE AND REMOVE LOOSE DEBRIS. APPLY LINEAR BEADS SHAPES NOT LESS THAN 0.05 INCH (18 GAUGE), WITH SQUARE CORNERS MITERED THICKNESS OF 2 MILS. OR SPOTS OF ADHESIVE SYMMETRICALLY TO BACK OF SIGN AND OF SUITABLE QUANTITY TO SUPPORT WEIGHT OF SIGN WELDED, AND GROUND SMOOTH. PROVIDE IN NO. 4 SATIN POLISHED FINISH. ONE 1. COLOR AND GLOSS: AS SELECTED BY OWNER FROM MANUFACTURER'S FULL REQUIRED OVER EACH TOILET ROOM SINK. EDGES TO PREVENT ADHESIVE EXTRUSION AS SIGN IS APPLIED PART 3 - EXECUTION ND TO PREVENT VISIBILITY OF CURED ADHESIVE AT SIGN A MOP AND BROOM HOLDER: WALL MOUNTING, 0.062 INCH (16 GAUGE) STAINLESS. EDGES PLACE SIGN IN POSITION, AND PUSH TO ENGAGE STEEL WITH SPRING-LOADED, RUBBER HAT, CAM-TYPE MOP/BROOM HOLDERS. 3.1 EXAMINATION ADHESIVE. TEMPORARILY SUPPORT SIGN IN POSITION UNTIL PROVIDE UNIT 24 INCHES LONG AND COMPLETE WITH FOUR MOP/BROOM A. EXAMINE WALLS ROUGH-IN FOR HOSE VALVES, HOSE RACKS, AND CABINETS TO ADHESIVE FULLY SETS. VERIFY ACTUAL b. TWO-FACE TAPE: CLEAN BOND-BREAKING MATERIALS FROM DOUBLE-PRONG ROBE HOOK: HEAVY-DUTY SATIN FINISHED STAINLESS STEEL LOCATIONS OF PIPING CONNECTIONS BEFORE CABINET INSTALI ATION SUBSTRATE SURFACE AND REMOVE LOOSE DEBRIS. APPLY DOLIBLE-PRONG ROBE HOOK. RECTANGULAR WALL BRACKET WITH BACKPLATE B FXAMINE WALLS AND PARTITIONS FOR SUITABLE FRAMING DEPTH AND BLOCKING TAPE STRIPS SYMMETRICALLY TO BACK OF SIGN AND OF FOR CONCEALED MOUNTING. ONE REQUIRED FOR EACH TOILET ROOM. SUITABLE QUANTITY TO SUPPORT WEIGHT OF SIGN WITHOUT WHERE RECESSED AND SEMI-RECESSED CABINETS ARE TO INSTALLED. SLIPPAGE KEEP STRIPS AWAY FROM EDGES TO PREVENT C. EXAMINE FIRE EXTINGUISHERS FOR PROPER CHARGING AND TAGGING. VISIBILITY AT SIGN EDGES. PLACE SIGN IN POSITION, AND PUSH A. GENERAL: A MAXIMUM 1-1/2 INCH DIAMETER, UNOBTRUSIVE STAMPED LOGO OF TO ENGAGE TAPE ADHESIVE. 1. REMOVE AND REPLACE DAMAGE, DEFECTIVE, OR UNDERCHARGED UNITS. MANUFACTURER AS APPROVED BY ARCHITECT IS PERMITTED ON EXPOSED FACE OF TOILET OR BATH ACCESSORY UNITS. ON EITHER INTERIOR SURFACE NOT EXPOSED REMOVE TEMPORARY PROTECTIVE COVERINGS AND STRIPPABLE FILMS AS D. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE TO VIEW OR BACK SURFACE, PROVIDE ADDITIONAL IDENTIFICATION BY MEANS OF EITHER A PRINTED, WATERPROOF LABEL OR A STAMPED NAMEPLATE, INDICATING SIGNS ARE INSTALLED. BEEN CORRECTED. MANUFACTURER'S NAME AND PRODUCT MODEL NUMBER. END OF SECTION 10 14 23 B. SURFACE-MOUNTED TOILET ACCESSORIES, GENERAL: EXCEPT WHERE OTHERWISE A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING INDICATED. FABRICATE UNITS WITH TIGHT SEAMS AND JOINTS. EXPOSED EDGES FIRE-PROTECTION ROLLED. HANG DOORS OR ACCESS PANELS WITH CONT. STAINLESS STEEL PIANO WALL PROTECTION SECTION 10 26 00 HINGE. PROVIDE CONCEALED ANCHORAGE WHEREVER POSSIBLE. B. INSTALL IN LOCATIONS AND AT MOUNTING HEIGHTS INDICATED OR, IF NOT INDICATED, C. KEYS: PROVIDE UNIVERSAL KEYS FOR ACCESS TO TOILET ACCESSORY UNITS PART 1 - GENERAL AT HEIGHTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION REQUIRING INTERNAL ACCESS FOR SERVICING, RE-SUPPLY, ETC. PROVIDE 1. PREPARE RECESSES FOR CABINETS AS REQUIRED BY TYPE AND SIZE OF SUMMARY MINIMUM OF SIX KEYS TO OWNER'S REPRESENTATIVE. A. SECTION INCLUDES: PART 3 - EXECUTION FASTEN MOUNTING BRACKETS TO STRUCTURE AND CABINETS, SQUARE AND CORNER GUARDS. 3.1 INSTALLATION ACTION SUBMITTALS FASTEN CABINETS TO STRUCTURE, SQUARE AND PLUMB. A. INSTALL TOILET ACCESSORY UNITS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, USING FASTENERS APPROPRIATE TO SUBSTRATE AS A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED 3.3 ADJUSTING, CLEANING AND PROTECTION RECOMMENDED BY MANUFACTURER INSTALL UNITS PLUMB AND LEVEL FIRMLY B SAMPLES: FOR EACH EXPOSED PRODUCT AND FOR EACH COLOR AND A. ADJUST CABINET DOORS THAT DO NOT SWING OR OPERATE FREELY. ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED. TEXTURE SPECIFIED, 12 INCHES LONG. B. IN LOCATIONS MARKED FOR HANDICAPPED ACCESSIBILITY, INSTALL TOILET B. REFINISH OR REPLACE CABINETS AND DOORS DAMAGED DURING INSTALLATION. INFORMATIONAL SUBMITTALS ACCESSORIES IN COMPLIANCE WITH REQUIREMENTS OF THE AMERICAN WITH PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS THAT ENSURE THAT DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). MATERIAL CERTIFICATES. CABINETS AND DOORS ARE WITHOUT DAMAGE OR DETERIORATION AT THE TIME OF SECURE MIRRORS TO WALLS IN CONCEALED, TAMPERPROOF MANNER WITH SUBSTANTIAL COMPLETION. B. MATERIAL TEST REPORTS. SPECIAL HANGERS, TOGGLE BOLTS OR SCREWS. SET UNITS PLUMB, LEVEL, AND 3.4 FIRE-PROTECTION CABINET SCHEDULE C. WARRANTY: SAMPLE OF SPECIAL WARRANTY SQUARE AT LOCATIONS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION FOR TYPE OF SUBSTRATE INVOLVED. A. FIRE-PROTECTION CABINET PROVIDE FIRE-PROTECTION CABINET COMPLYING WITH 4 CLOSEOUT SUBMITTALS THE FOLLOWING: D. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBF, A. MAINTENANCE DATA. COMPLYING WITH ASTM F446. CONSTRUCTION: NONRATED. 5 QUALITY ASSURANCE 3.2 ADJUSTING AND CLEANING 2. CABINET MATERIAL: STEEL-COLD ROLLED STEEL W/ RECOATABLE WHITE A. INSTALLER QUALIFICATIONS: AN EMPLOYER OF WORKERS TRAINED AND POLYESTER FINISH. ADJUST TOILET ACCESSORIES FOR PROPER OPERATION AND VERIFY THAT APPROVED BY MANUFACTURER. MECHANISMS FUNCTION SMOOTHLY. REPLACE DAMAGED OR DEFECTIVE ITEMS. TYPE: FIRE EXTINGUISHER SURFACE-BURNING CHARACTERISTICS: AS DETERMINED BY TESTING B. CLEAN AND POLISH ALL EXPOSED SURFACES IN STRICT ACCORDANCE WITH MOUNTING: SEMIRECESSED. IDENTICAL PRODUCTS PER ASTM E 84, NFPA 255, OR UL 723 BY UL OR MANUFACTURER'S RECOMMENDATIONS AFTER REMOVING TEMPORARY LABELS ANOTHER QUALIFIED TESTING AGENCY 5. TRIM STYLE: EXPOSED, 2 INCH. AND PROTECTIVE COATINGS. 6. CABINET TRIM MATERIAL: SAME MATERIAL AND FINISH AS CABINET. A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH END OF SECTION 10 28 00 7. DOOR MATERIAL: SAME MATERIAL AND FINISH AS CABINET. MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF 8. DOOR STYLE: FULL GLASS W/ TEMPERED SAFETY GLASS. IMPACT-RESISTANT WALL PROTECTION UNITS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. FIRE PROTECTION SPECIALTIES SECTION 10 44 00 9. ACCESSORIES: MOUNTING BRACKETS, AND INDENTIFICATION LETTERING. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: (AS APPLICABLE) END OF SECTION 10 44 00 a. STRUCTURAL FAILURES. PART 1 - GENERAL b. DETERIORATION OF PLASTIC AND OTHER MATERIALS BEYOND 1.1 RELATED DOCUMENTS NORMAL USE. A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT APPLY TO THIS SECTION. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION. 1.2 QUALITY ASSURANCE PART 2 - PRODUCTS A. SINGLE-SOURCE RESPONSIBILITY: OBTAIN EXTINGUISHERS AND CABINETS FROM A SINGLE MANUFACTURER. MATERIALS B. COORDINATION: VERIFY THAT CABINETS ARE SIZED TO ACCOMMODATE TYPE AND A. PVC PLASTIC: ASTM D 1784, CLASS 1, TEXTURED, CHEMICAL- AND ${\tt STAIN-RESISTANT}, {\tt HIGH-IMPACT-RESISTANT} \ {\tt PVC} \ {\tt OR} \ {\tt ACRYLIC-MODIFIED}$ OF EXTINGUISHERS INDICATED. VINYL PLASTIC WITH INTEGRAL COLOR THROUGHOUT. C. UL-LISTED PRODUCTS: FIRE EXTINGUISHERS SHALL BE UL LISTED WITH UL LISTING IMPACT RESISTANCE TO MEET ASTM D 256, TEST METHOD A. MARK FOR TYPE, RATING, AND CLASSIFICATION OF FIRE EXTINGUISHER CHEMICAL AND STAIN RESISTANCE PER ASTM STANDARDS. D. NFPA COMPLIANCE: FABRICATE AND LABEL FIRE EXTINGUISHERS TO COMPLY WITH 3. SELF-EXTINGUISHING WHEN TESTED ACCORDING TO ASTM D 635. NFPA 10. "STANDARD FOR PORTABLE FIRE EXTINGUISHER E. FIRE EXTINGUISHERS: LISTED AND LABELED FOR TYPE, RATING, AND CLASSIFICATION FLAME-SPREAD INDEX: 25 OR LESS. BY AN INDEPENDENT TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING SMOKE-DEVELOPED INDEX: 450 OR LESS. B. POLYCARBONATE PLASTIC SHEET: ASTM D 6098 S-PC01 CLASS 1 OR 2 PART 2 - PRODUCTS ABRASION RESISTANT; WITH A MINIMUM IMPACT-RESISTANCE RATING PER ASTM D 256, TEST METHOD A.

A PORTABLE FIRE EXTINGUISHES AND CARINETS: SUBJECT TO COMPLIANCE WITH

B. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY ALUMINUM PRODUCER AND

MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED AS FOLLOWS:

STAINLESS-STEEL SHEET: ASTM A666, TYPE 302 OR TYPE 304 ALLOY.

COMMERCIAL QUALITY, STRETCHED LEVELED, TEMPER ROLLED.

SHEET: ASTM B209.

2. EXTRUDED SHAPES: ASTM B221.

REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: POTTER ROEMER.

COLD-ROLLED STEEL SHEET: CARBON STEEL, COMPLYING WITH ASTM A366/A366M,

EASTENERS: ALLIMINUM NONMAGNETIC STAINLESS-STEEL OR OTHER

NONCORROSIVE METAL SCREWS, BOLTS, AND OTHER FASTENERS

COMPATIBLE WITH ITEMS BEING FASTENED. USE SECURITY-TYPE

ADHESIVE: AS RECOMMENDED BY IMPACT-RESISTANT PLASTIC WALL

VALUE> G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59,

A. SURFACE-MOUNTED, RESILIENT, CORNER GUARDS: ASSEMBLY CONSISTING

HARDWARE; FABRICATED WITH 90-DEGREE TURN.

OF COVER INSTALLED OVER CONTINUOUS RETAINER; INCLUDING MOUNTING

FASTENERS WHERE EXPOSED TO VIEW

SUBPART D (EPA METHOD 24).

CRANE COMPOSITES, INC

MARLITE PRODUCTS, INC.

CORNER GUARDS

SECTION 12 21 23

A. MANUAL ROLLER SHADES AND HARDWARE.

DATA AND INSTALLATION INSTRUCTIONS

DOCUMENTED EXPERIENCE.

A. CLUTCH OPERATED ROLLER SHADES WITH BEAD CHAIN CONTROL.

A. PRODUCT DATA: SUBMIT AN ELECTRONIC PDF COPY OF MANUFACTURER'S TECHNICAL

B. SAMPLES: SUBMIT THREE SAMPLES OF EACH SHADE CLOTH WITH COMPLETE COLOR

C. SHOP DRAWINGS: SUBMIT DRAWINGS OF MECHANICAL PRODUCTS WITH APPROPRIATE

A. THE MANUFACTURER OF THESE PRODUCTS SHALL SHOW A MINIMUM OF 20 YEARS

B. THE INSTALLER SHALL SHOW A MINIMUM OF 3 YEARS EXPERIENCE WITH THESE

8333 GREEN MEADOWS DRIVE N., STE B, LEWIS CENTER, OH, 43085

A. SHADE FABRICS: TRANSLUCENT FABRICS HAVE AN OPENNESS FACTOR OF 10%. THE

FABRIC SHALL HAVE A HIGH DEGREE OF OPACITY FOR EFFECTIVE CONTROL OF LIGHT

THE FABRIC MUST HAVE SUFFICIENT RIGIDITY TO INSURE STRAIGHT HANGING, RESIST CURL, TWIST, BOWING AND DISTORTION. IT MUST BE DIMENSIONALLY STABLE AND WILL

NOT SHRINK OR STRETCH. THE FABRIC IS TO BE COLORFAST AND SHALL NOT BE

AFFECTED BY MOISTURE OR HEAT. THE COLOR SHALL BE SELECTED FROM STANDAR

COLOR SHALL BE SELECTED FROM THE MANUFACTURER'S STANDARD COLOR LINE.

B. TUBE: THE FABRIC SHADES SHALL BE MOUNTED ON TO A 1-1/4", 1-1/2", 2", OR 2-1/2" OR

C. BEAD CHAIN CLUTCH: THE CLUTCH INCORPORATES AN ADJUSTABLE SLIP CLUTCH TO

D. EASY LIFT: THIS OPTION IS ADDED TO ALL SHADES THAT ARE OVER 30 POUNDS.

HEMBAR IS WRAPPED IN FABRIC AND SEALED AROUND ALL EDGES.

F. SHADE MOUNTING BRACKETS: SHADE MOUNTING BRACKETS: SHALL BE

APPLICATION. WET PAINT METHOD SHALL NOT BE ACCEPTED.

FOR ANY NECESSARY MAINTENANCE

FASCIA COLOR: VANILLA.

FUNCTION CORRECTLY

E. HEMBAR: SHALL BE A CONTINUOUS ALUMINUM BAR 1" X 3/16" WITH SUFFICIENT WEIGHT

G. FASCIA SYSTEM: ALL FASCIA SYSTEMS SHALL BE PRIME PAINTED WITH BAKED ENAMEL

TO ALLOW THE SHADE TO CLOSE WITHOUT BUCKLING OR SAGGING. STANDARD

MANUFACTURED FROM .060" GALVANIZED STEEL. REVERSIBLE FOR RIGHT AND LEFT

UTILIZING THE POWDER PAINT METHOD TO ENSURE AN ENVIRONMENTAL FRIENDLY

1. L-ANGLE FASCIA: FASCIA PANELS SHALL BE MADE FROM EXTRUDED ALUMINUM.

A. INSTALL THE SHADES WHERE SHOWN ON THE CONTRACT DRAWINGS IN ACCORDANCE

WITH PRINTED INSTRUCTIONS PROVIDED BY THE MANUFACTURER, SOS SHADE

B. THE SHADE FABRIC SHALL HANG FLAT WITHOUT BUCKLING OR DISTORTION. THE EDGE

C. VERIFY THAT ALL SURFACES AND OPENINGS ARE READY TO RECEIVE THE WORK. DO

D. BEGINNING THE INSTALLATION INDICATES THE INSTALLER ACCEPTS THE SUBSTRATE

THE SYSTEM SHALL BE ADJUSTED BY THE INSTALLER FOR SMOOTH OPERATION, ALL

B. INSTRUCT THE OWNERS OR HIS REPRESENTATIVE AS TO THE PROPER OPERATING

END OF SECTION 12 21 23

PROCEDURES AND MAINTENANCE OF THE SYSTEM.

WHEN TRIMMED, SHALL HANG STRAIGHT WITHOUT CURLING OR RAVELING. UNGUIDED

ROLLER FABRICS SHALL ROLL WITHOUT SHIFTING SIDEWAYS MORE THAN 1/4" IN EITHER

DIRECTION. TOLERANCE FOR BRACKETS SHALL NOT EXCEED 3/4" ON EITHER SIDE.

NOT COMMENCE THE WORK UNTIL THE INSTALLER VERIFIES FIELD MEASUREMENTS.

COMPLETED SHADES WILL BE OPERATED BY THE INSTALLER TO ENSURE THAT THEY

SYSTEMS, OR A MODIFICATION AS APPROVED BY THE MANUFACTURER.

FASCIA FACE SHALL BE 3" OR 4" TO ACCOMMODATE SHADE ROLL, FASCIA SHALL

CLIP TO BRACKETS AND SNAP EASILY INTO PLACE. IT SHALL BE EASILY REMOVED

HAND MOUNTING. THE BRACKETS MAY BE FIELD MOUNTED INSIDE, OUTSIDE OR CEILING

CONTROL THE RATE OF FALL FROM FREE RUNNING ZERO FRICTION FACTOR TO A

FACTOR OF 100%. THE SHADE MAY BE ADJUSTED TO STOP AND HOLD AT ANY POSITION.

OVER WINDING OR UNROLLING. THE BEAD CHAIN WILL BE SECURED BY A HOLD DOWN

COLORS. ALL SEAMS ARE TO BE HEAT-SEALED. SEWING IS NOT ACCEPTED. THE FABRIC

I DIAMETER ALUMINUM TUBE DEPENDING ON THE WIDTH OF THE SHADE AND FABRIC

A. SOS "SUN OR SHADE" A DIVISION OF INSIDE OUTFITTERS, INC.

P: 800.742.3372, F: 877.880.3496, E:INFO@SOSSHADES.COM

SHEERWEAVE 4100 - COLOR PEBBLESTONE

1. BEAD CHAIN: BEAD CHAIN WILL NICKEL BALL TYPE.

FABRIC STYLE (10% OPENNESS)

CHOSEN FOR THE SHADE.

ISSUE TABLE Date **REVISIONS** Date 8/01/2023 9/04/2023 9/12/2023 9/12/2023 Date Company Logo 10755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u> US 2112 PROTOTYPE 2112-21 Location Checked SH

Description Description RESPONSE TO CITY HEALTH COMMENTS RESPONSE TO CITY HEALTH COMMENTS DRAWINGS REVISED AS PER DESIGN BULLETIN Description

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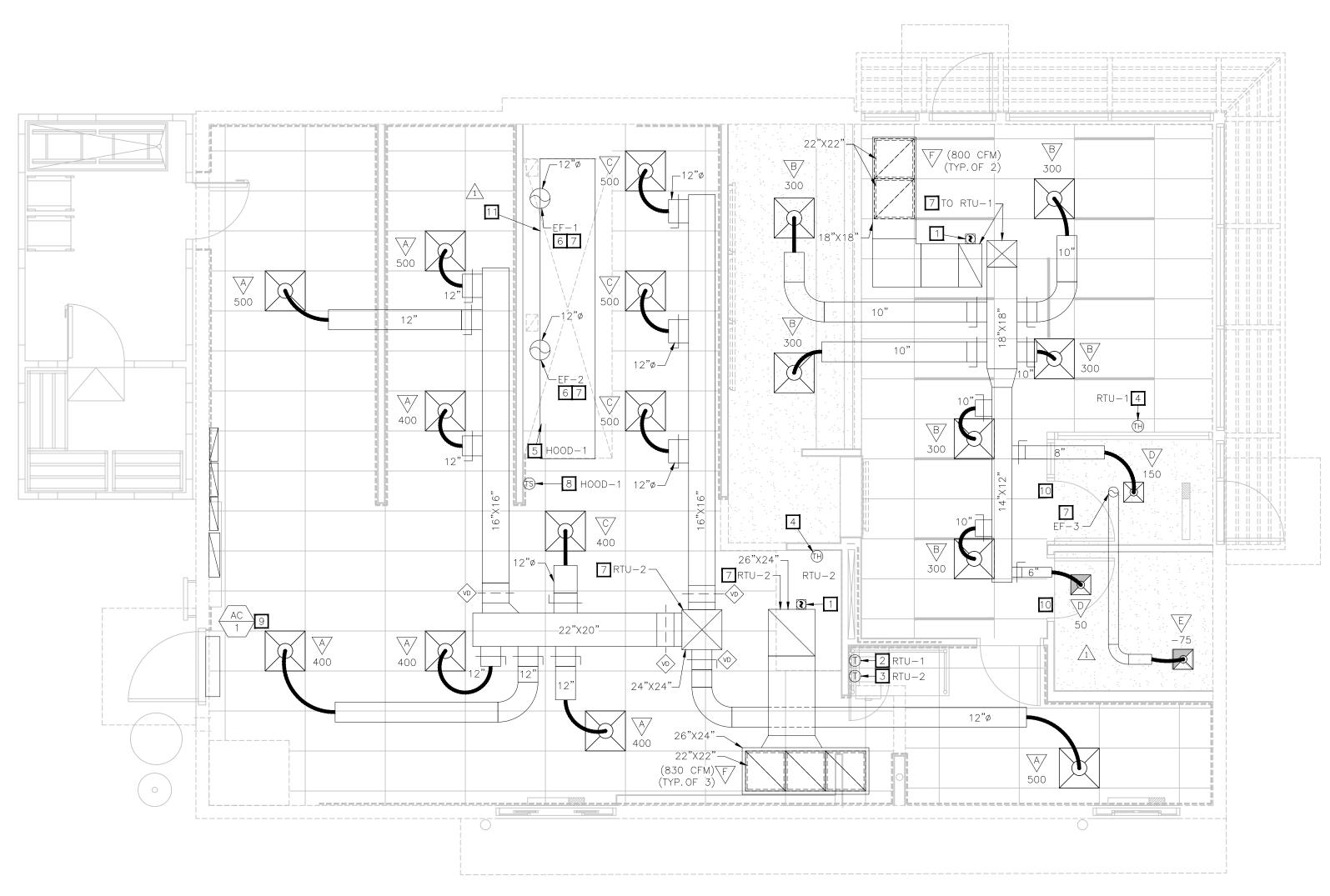


9.14.2023

1517 NC 24-87

ARCHITECTURAL **SPECIFICATIONS**

JUNE 2023 Project No. Drawing No. SP7 C22-129



1 MECHANICAL PLAN

MECHANICAL KEY NOTES

- 1 PROVIDE DUCT MOUNTED SMOKE DETECTOR, TIE IN AUDIO-VISUAL DOWN AND ACTIVATE ALARM. COORDINATE INSTALLATION LOCATION WITH ACCESS REQUIREMENTS.
- 2 PROVIDE HONEYWELL VISION PRO 8000 TOUCHSCREEN 7-DAY PROGRAMMABLE THERMOSTAT WITH AUTO-CHANGEOVER AND AUTOMATIC START CAPABILITY. MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR. COORDINATE FINAL INSTALLATION LOCATION OF THERMOSTAT WITH OWNER'S REPRESENTATIVE.
- 3 PROVIDE MICROPROCESSOR REMOTE INTERFACE. MOUNT MICROPROCESSOR REMOTE INTERFACE 48" ABOVE FINISHED FLOOR. COORDINATE FINAL INSTALLATION LOCATION OF MICROPROCESSOR REMOTE INTERFACE WITH
- 4 PROVIDE COMBINATION TEMPERATURE/HUMIDITY SENSOR. MOUNT SENSOR 48" ABOVE FINISHED FLOOR. HUMIDITY SENSOR SHALL OPERATE REFRIGERATION SYSTEM AND INITIATE HOT GAS REHEAT AS REQUIRED TO
- 5 INSTALL OWNER FURNISHED TYPE I GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. REFER TO HOOD DRAWING SET ON SHEET M3.1-M3.4 FOR
- 6 INSTALL OWNER FURNISHED UL-2221 LISTED DOUBLE-WALL GREASE DUCT, EQUAL TO FRANKE SYSTEMS MODEL FRDW-2R ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL FROM HOOD COLLAR EXHAUST FAN ON ROOF. INSTALL EXHAUST DUCT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE CLEANOUTS AT EVERY CHANGE OF DIRECTION IN THE DUCT AND/OR EVERY 10 FEET WITH MINIMUM OF 3 FEET OF CLEARANCE IN FRONT OF
- EQUIPMENT LOCATION.
- PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 10 UNDERCUT DOOR BY 3/4" FOR AIR TRANSFER
- 11 PULL STATION & TENSION CABLE FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM ACTIVATION TO BE PROVIDED BY FIRE SUPPRESSION SUBCONTRACTOR. GENERAL CONTRACTOR TO COORDINATE WITHE ELECTRICAL CONTRACTOR FOR JUNCTION BOX AND CONDUIT TO PULL STATION. LINE-SIZED MECHANICAL (OR ELECTRICAL) GAS SHUT OFF VALVE PROVIDED BY HOOD VENDOR. FIRE SUPPRESSION SUBCONTRACTOR SHALL VERIFY APPROVED LOCATION WITH LOCAL AUTHORITY AND COORDINATE THE COMPLETE INSTALLATION WITH ALL OTHER TRADES

GENERAL NOTES

- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE
- AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE
- PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

UNLESS NOTED OTHERWISE ON PLANS, THE FOLLOWING CHART SHALL APPLY TO ROUND DUCT SIZES FOR SUPPLY AIR*, EXHAUST AIR, AND RETURN AIR.

* DIFFUSER NECK SIZES SHALL MATCH SUPPLY AIR DUCT SIZING.

ANNUNCIATOR. UPON DETECTION OF SMOKE, ROOFTOP UNIT SHALL SHUT

- OWNER'S REPRESENTATIVE.
- MAINTAIN SPACE HUMIDITY AT 55% RH.
- HOOD SPECIFICATION AND ADDITIONAL INFORMATION.
- 7 DUCT UP TO EQUIPMENT ON ROOF. REFER TO SHEET M1.2 FOR
- 8 INSTALL ROOM TEMPERATURE SENSOR FOR HOOD THERMOSTATIC CONTROL. SEE HOOD DRAWING SET ON M3.1-M3.4 FOR HOOD SPECIFICATIONS AND ADDITIONAL INFORMATION.
- 9 PROVIDE AIR CURTAIN. MOUNT UNIT ON WALL DIRECTLY ABOVE DOOR

- B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL
- E. SUPPORT NEW MECHANICAL SYSTEMS WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH SEISMIC HAZARD LEVEL 'A' OF THE SEISMIC RESTRAINT MANUAL, AS PUBLISHED BY SMACNA, AND IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, LATEST EDITION.

AIR DISTRIBUTION SIZING - ROUND DUCT

SUPPLY AND EXHAUST		RETURN AIR
<u>air cfm range</u>	<u>DUCT SIZE</u>	<u>CFM_RANGE</u>
0-100	6"ø	0-70
105-200	8"ø	75-155
205-395	10"ø	160-285
400-605	12"ø	290-465
610-920	14"ø	470-710
925-1200	16"ø	715-1015

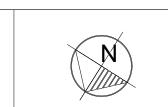
REVISIONS No. Date Description 8/01/2023 RESPONSE TO CITY 2 9/04/2023 **HEALTH COMMENTS** 3 9/12/2023 RESPONSE TO CITY

Description

ISSUE TABLE

Date

Description
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PROJECT NORTH

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Company Logo

9.13.2023

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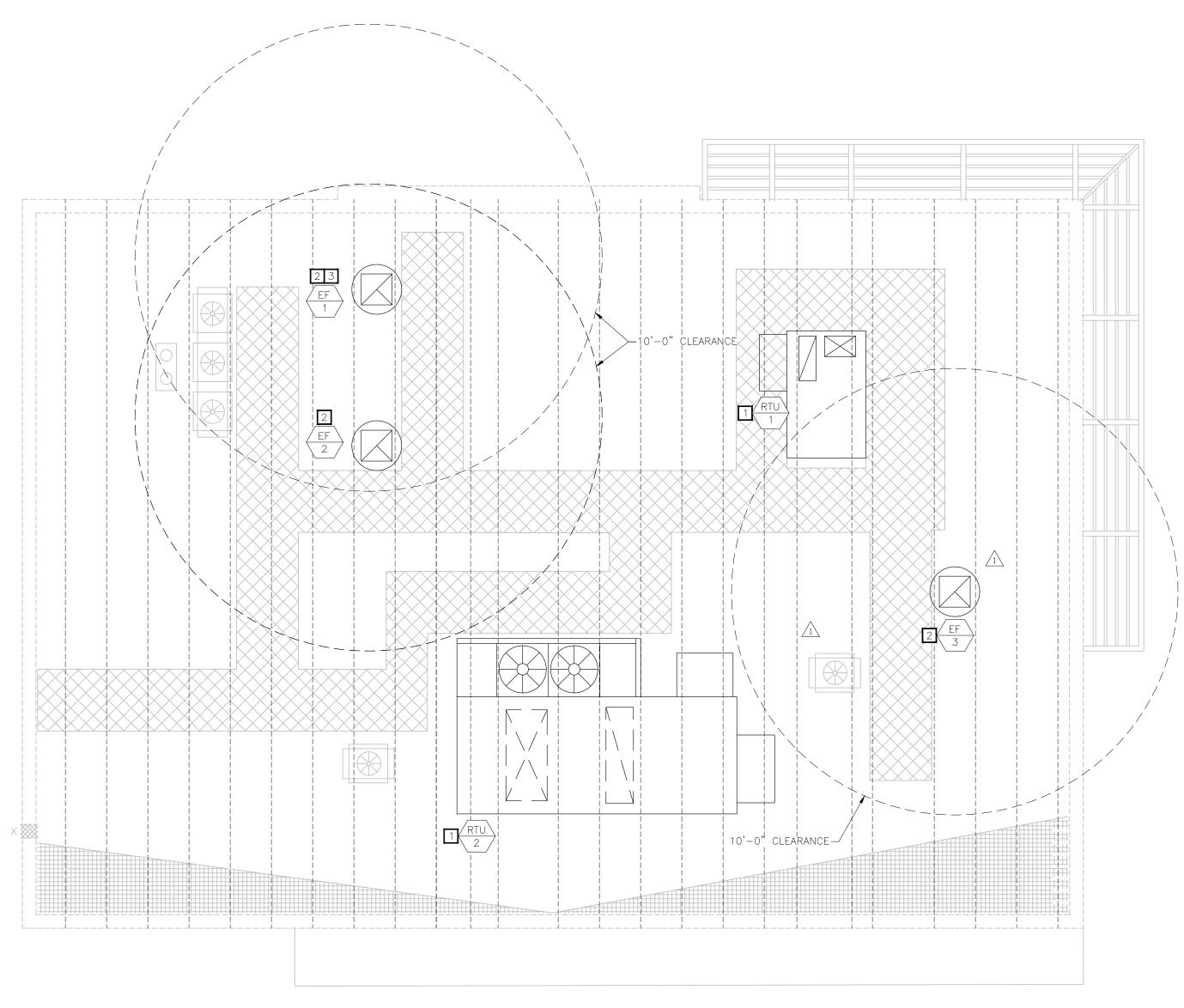


US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

MECHANICAL PLAN

Drawn	Checked
NI	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	M1.1



1/4"=1'-0"

MECHANICAL KEY NOTES

- 1 PROVIDE ROOFTOP UNIT AND CURB. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN ON SHEET M1.1.
- 2 INSTALL OWNER FURNISHED ROOF MOUNTED EXHAUST FAN AND CURB.
- INSTALL OWNER FUNISHED WIND BAND EXTENSION FOR GREASE EXHAUST FAN. EXHAUST TERMINATION MUST BE EQUAL OR HIGHER THAN ANY WALL OR PARAPET WITHIN 5'-0" OF FAN. VERIFY REQUIRED HEIGHT PRIOR TO BID AND COORDINATE WITH HOOD MANUFACTURER FOR ADDITION TO EQUIPMENT PRIOR TO BID.

GENERAL NOTES

- A. SEAL ALL ROOF PENETRATIONS WATER TIGHT. COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR AND ROOFING CONTRACTOR.
- B. ALL OUTDOOR INTAKES SHALL BE LOCATED AT LEAST 10 FEET FROM EXHAUST OUTLETS, APPLIANCE FLUES AND PLUMBING VENTS.
- C. MAINTAIN ALL CODE AND MANUFACTURER'S RECOMMENDED CLEARANCES AROUND ALL ROOF EQUIPMENT.

ISSUE TABLE

	No.	Date (mm/dd/yy)	Description
-			

REVISIONS

11211010110							
No.	Date	Description					
1	8/01/2023	RESPONSE TO CITY					
2	9/04/2023	HEALTH COMMENTS					
3	9/12/2023	RESPONSE TO CITY					

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



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Store Type

US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

MECHANICAL ROOF PLAN

Drawn	Checked
NI	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	M1.2

2018 INTERNATIONAL	MECHANICA	AL CODE - TA	BLE 403.3.1	.1 VENTILATION	SUMMARY															
OCCUPANCY CATEGORY	PEOPLE OUTDOOR AIR RATE - (Rp)	AREA OUTDOOR AIR RATE - (Ra)	OCCUPANCY DENSITY	OCCUPANCY CLASSIFICATION	CALCULATED OCCUPANCY DENSITY		EXPECTED TO	Rp*Pz	Ra*Az	AREA - (Az)	ZONE AIR DISTRIBUTION EFFECTIVENESS	BREATHING ZONE OUTDOOR - AIRFLOW - (Vbz)	ZONE OUTDOOR AIRFLOW (Voz) Voz=Vbz/Ez	ZONE PRIMARY AIRFLOW (Vpz)	PRIMARY OUTDOOR AIR FRACTION (Zp)	OCCUPANT DIVERSITY RATIO (D)	UNCORRECTED OUTDOOR AIR INTAKE (Vou)	SYSTEM VENTILATION EFFICIENCY	CORRECTED OUTDOOR AIRFLOW (Vot)	OUTDOOR
	(CFM/PERSON)	(CFM/SQ.FT.)	P/1,000 SQ.FT.	P/1,000 SQ.FT.			ZONE - (Pz)			SQ.FT.	Ez	CFM			Zp=Voz/Vpz		CFM	Ev	CFM	CFM
RTU-1																				
DINING	7.5	0.18	70	DINING	26	_	26	194	67	370	0.8	261	326	1400	0.23		261		284	
SALES	7.5	0.12	20	KITCHEN	3	_	3	20	16	130	0.8	35	44	400	0.11		35		35	
VESTIBULE	<u> </u>	0.06	_	CORRIDOR	_	<u> </u>	_	_	2	40	0.8	2	3	150	0.02		2		3	
RESTROOM	_	_	_	RESTROOM	_	_	_	_	_	55	0.8	_	_	50	_		_		_	
		•		SYSTEM POPULATIO	N INCLUDING DIV	/ERSITY (Ps) =	26		•		•			MAX. Zp =	0.23	1.00	298	0.92	324	400
	•															•			•	
DOAS-1																				
KITCHEN	7.5	0.12	20	KITCHEN	4	_	4	32	25	210	0.8	57	71	1600	0.04		57		57	
вон	7.5	0.12	20	KITCHEN	14	_	14	107	85	710	0.8	192	240	2800	0.09		192		192	
DRIVE THRU	7.5	0.12	20	KITCHEN	2	_	2	17	13	110	0.8	30	37	400	0.09		30		30	
		•		SYSTEM POPULATIO	N INCLUDING DIV	/ERSITY (Ps) =	21		•	•	•			MAX. Zp =	0.09	1.00	278	1.00	278	2,500

MARK (RTU-#)	1	2	
MANUFACTURER	CARRIER	GREENHECK	
MODEL	50GCBK06	RV-45-15	
AIR FLOW (CFM)	2,000	5,000	
OA FLOW (CFM)	400	2,500	
AMBIENT OAT (*F)	95.5	95.5	
EXTERNAL STATIC (IN. W.C.)	0.60	1.00	
DX COOLING COIL			
EAT (*FDB/WB)	80/67	80/67	
TOTAL (BTU/HR)	59,000	202,000	
SENSIBLE (BTU/HR)	46,800	141,100	
ELECTRIC HEAT			
FUEL	ELECTRIC (332A)	ELECTRIC	
ELECTRIC HEAT (KW)	18.4	57.4	
WINTER SA TEMP (°F)	87	81	
FLA (Amps)	51.1	159.3	
ELECTRICAL			
VOLTS/Ø/HZ	208-230/3/60	208/3/60	
UNIT MCA	83	181.3	
MOCP AMPS	90	200	
APPROX. WEIGHT (LBS)	844	3,012 (±5%)	
EER (SEER)	12.8 (17.4)	11	
NOTES	1-14	1-11,13-15	<u> </u>

- 1) PROVIDE FACTORY FABRICATED 14" HIGH ROOF CURB. CURB SHALL MATCH SLOPE OF ROOF. REFER TO ARCHITECTURAL DRAWINGS
- FOR ADDITIONAL INFORMATION 2) PROVIDE FACTORY MOUNTED WEATHERHOOD AND BIRDSCREEN AT OUTSIDE AIR INTAKE.
- 3) PROVIDE FACTORY INSTALLED LOW-LEAK DRY BULB ECONOMIZER WITH FAULT DETECTION AND DIAGNOSTICS.
- 4) PROVIDE UNIT WITH LOUVERED HAIL GUARDS.
- PROVIDE 5 MINUTE COMPRESSOR RESTART TIME DELAY.
- 6) PROVIDE FILTER RACK AND 2 SETS OF MERV 8 FILTERS.
- 7) PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
- 8) CONTRACTOR SHALL INSTALL ALL COMPONENTS SHIPPED LOOSE TO THE FIELD.
- 9) PROVIDE WITH FACTORY CONDENSATE OVERFLOW SWITCH, FOIL FACED INSULATION, AND HINGED ACCESS PANELS. 10) SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. FIELD SET 2 MINIMUM POSITIONS TO MAINTAIN SCHEDULED OUTSIDE AIR FLOW
- RATE AT SUPPLY FAN MINIMUM AND MAXIUM SPEEDS. OUTSIDE AIR DAMPER SHALL FULLY CLOSE UPON UNIT SHUTDOWN
- 11) PROVIDE POWERED GFCI CONVENIENCE OUTLET. OUTLET TO BE POWERED BY LINE SIDE OF DISCONNECT.
- 12) PROVIDE FAN WITH 2-SPEED FAN CONTROL.
- 13) PROVIDE FACTORY MOUNTED POWER EXHAUST.
- 14) PROVIDE HOT GAS REHEAT COIL FOR DEHUMIDIFICATION WITH HUMIDISTAT SET TO 55% R.H.
- 15) PROVIDE FACTORY MOUNTED SINGLE ZONE VAV AND DIGITAL SCROLL COMPRESSOR.



AIR BALANCE SCHEDULE							
	RTU-1	RTU-2	EF-1	EF-2	EF-3	TOTALS	
OUTSIDE AIR FLOW (CFM)	400	2,500	0	0	0	2,900	
RETURN AIR FLOW (CFM)	1,600	2,500	0	0	0	4,100	
SUPPLY AIR FLOW (CFM)	2,000	5,000	0	0	0	7,000	
EXHAUST AIR FLOW (CFM)	0	0	1,230	1,230	75	2,535	
BUILDING PRESSURE (CFM)	400	2,500	-1,230	-1,230	-75	365	
RESULTING BUILDING PRESSURIZATION (CFM)							

EXHAUST AND VENTILATION FAN SCHEDULE - OWNER FURNISHED						
MARK (EF#)	1	2	3			
MANUFACTURER	FRANKE	FRANKE	FRANKE			
MODEL	FR-DU50HFA	FR-DU50HFA	FR-DR10HFA			
TYPE	UPBLAST	UPBLAST	DOWNBLAST			
DRIVE TYPE	DIRECT	DIRECT	DIRECT			
PERFORMANCE						
AIR FLOW (CFM)	1,230	1,230	75			
EXT. STATIC (IN W.C.)	0.8	0.8	0.125			
FAN SPEED (RPM)	1,500	1,500	1,015			
ELECTRICAL						
VOLTS/Ø/HZ	120/1/60	120/1/60	120/1/60			
FAN MOTOR HP	1/2	1/2	1/8			
ACCESSORIES	GDC,RC,WB	GDC,RC	BD,BS,DS,RC,SC			
APPROX. WEIGHT (LBS)	120	120	75			
SERVES	HOOD	HOOD	RESTROOM			
NOTES	1,2,3	1,2,3	3,4			

- BD-BACKDRAFT DAMPER, BS-BIRD SCREEN, DS-DISCONNECT SWITCH, GDC-GREASE DRAIN AND CUP,
- RC-ROOF CURB PER HOOD PACKAGE SPECIFICATION, SC-FACTORY MOUNTED AND WIRED SPEED CONTROL,

WB-WIND BAND EXTENSION, WP-NEMA 3R DISCONNECT SWITCH

- 1) FAN SHALL BE CONTROLLED BY SWITCH AT KITCHEN HOOD. INTERLOCK RTU-1 AND RTU-2 TO OPERATE IN OCCUPIED MODE
- WHILE HOOD EXHAUST FAN IS ENERGIZED. SEE HOOD PACKAGE ON M3.x SHEETS FOR MORE INFORMATION.
- 2) PROVIDE WITH VARIABLE SPEED CONTROLLER. 3) COORDINATE WITH MANUFACTURER FOR FINAL SELECTION.
- 4) ELECTRICAL CONTRACTOR SHALL INTERLOCK FAN WITH TIMECLOCK.

<u>`</u>	AND DIFFUSER	JOHEDOLL	
MARK	A	В	С
MANUFACTURER	TITUS	TITUS	TITUS
MODEL	TMS-AA	TMS-AA	PAR-AA
TYPE	SQUARE CONE	SQUARE CONE	PREFORATED FA
	DIFFUSER	DIFFUSER	DIFFUSER
NECK SIZE (L''XW'')	PER PLAN	PER PLAN	PER PLAN
FACE SIZE (L"XW")	24"X24"	24"X24"	24"X24"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN
FINISH	WHITE	WHITE	WHITE
NOISE CRITERIA LEVEL	<30	<30	<30
ACCESSORIES		TRM	
MARK	D	E	F
MANUFACTURER	TITUS	TITUS	TITUS
MODEL	TMS-AA	355FL	50F
TYPE	SQUARE CONE	LOUVERED	EGGCRATE GRIL
	DIFFUSER	EXHAUST GRILLE	
NECK SIZE (L"XW")	PER PLAN	10"X10"	22"X22"
FACE SIZE (L"XW")	12"X12"	12"X12"	24"X24"
FRAME TYPE	LAY-IN	SURFACE	LAY-IN
FINISH	WHITE	WHITE	WHITE
NOISE CRITERIA LEVEL	<30	<30	<30
NOISE CIXITEIXIA EEVEL			

STR-SQUARE TO ROUND TRANSITION (AS REQUIRED), TRM-RAPID MOUNT SHEETROCK FRAME

MARK (AC-#)	1	
MANUFACTURER	MARS	
MODEL	LPV236-1UA-OB	
AIR FLOW (CFM)	900	
ELECTRICAL		
VOLTS/Ø/HZ	115	
MOTOR QUANTITY	1	
MOTOR HP	1/6	
MCA (AMPS)	3	
MOCP (AMPS)	15	
FINISH	OBSIDIAN BLACK	
APPROX. WEIGHT (LBS)	32	
NOTES	1-3	

- 1) PROVIDE WITH INTREGRAL DISCONNECT SWITCH.
- 2) PROVIDE WITH DOOR MICRO-SWITCH. 3) PROVIDE WITH FILTER.
- 4) PROVIDE MOUNTING HARDWARE REQUIRED BY MANUFACTURER FOR COMPLETE INSTALLATION.

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1			

REVISIONS

112110		
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

DRAWINGS REVISED AS PER DESIGN BULLETIN

	No.	Date	Description



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9.13.2023

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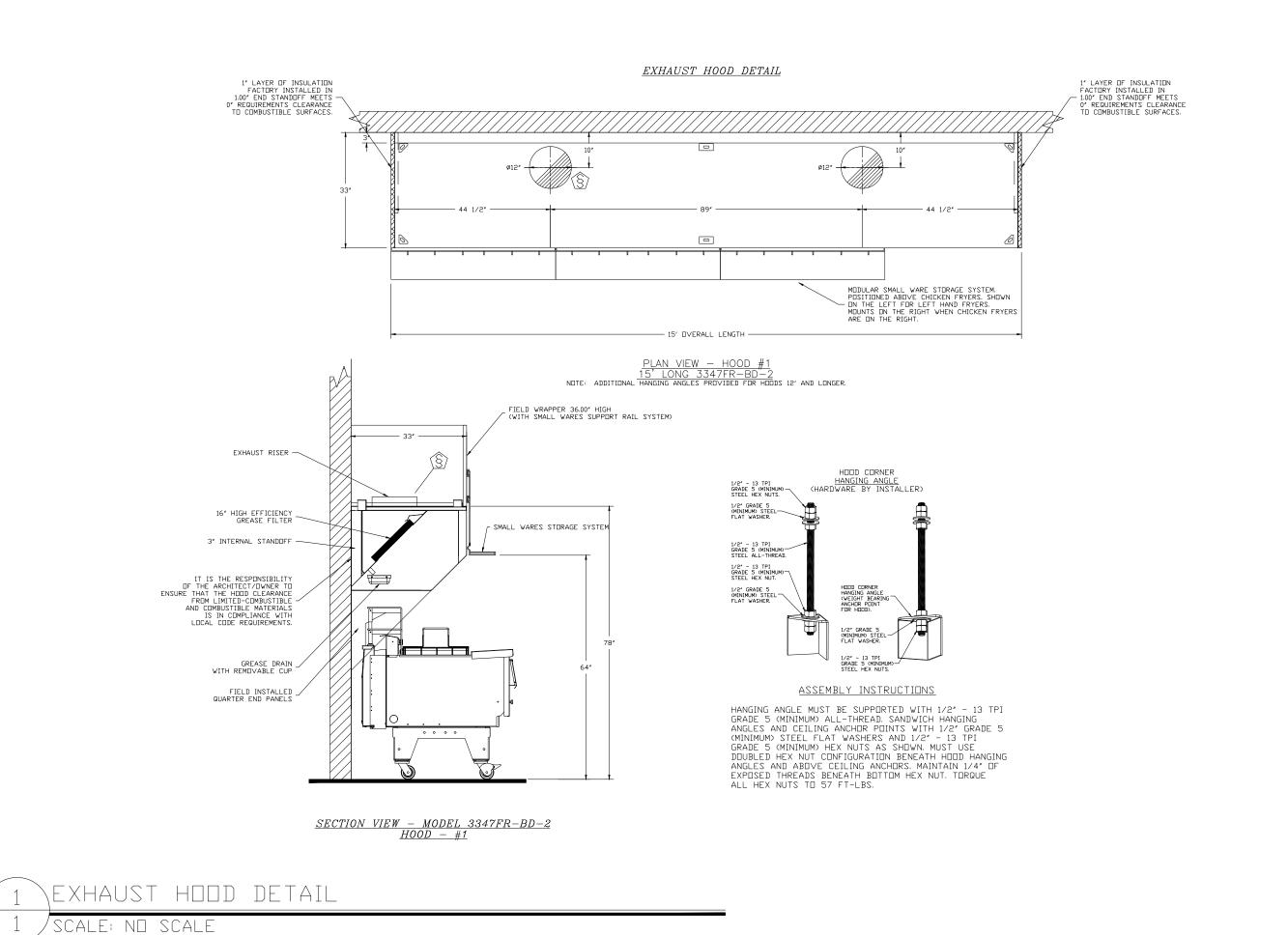


US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

MECHANICAL SCHEDULES

Drawn	Checked	
NI	AH	
Scale	Date	
1/4" = 1'-0"	JUNE 2023	
Project No.	Drawing No.	
C22-129	M2.1	

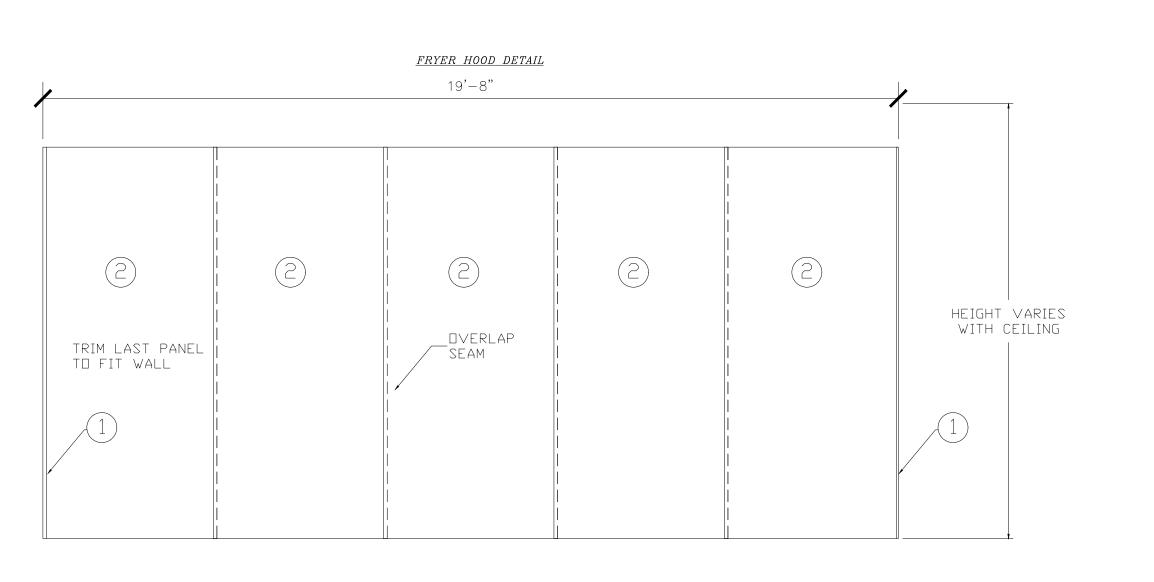


PLK 2112 15' HOD PACKAGE

FRANKE FOODSERVICE SYSTEMS AMERICAS, INC.

800 AVIATION PARKWAY SMYRNA, TN USA 37167

PHONE: 1-800-877-5178 WWW.FRANKESUPPLY.COM FS-BKSALES.US@FRANKE.COM



COVERS ENTIRE WALL BEHIND HOOD

ITEM	QTY	DESCRIPTION
1	2	S/S CAP STRIP
2	5	WALL FLASHING 48" WIDE



							No.	(mm/dd/yy)	Description
					AM029	By			
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							REVIS	SIONS	
							No.	Date	Description
							1	8/01/2023	RESPONSE TO CITY
							2	9/04/2023	HEALTH COMMENTS
							3	9/12/2023	RESPONSE TO CITY
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ISSUE TABLE



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Company Logo

FR AN KE Franke Foodservice Systems

800 Aviation Parkway Smyrma, TN USA 37167

Americas, Inc.

Tel. +800 472-2954 fs_customerservice.us@franke.com www.frankesupply.com

POPEYES

Site ID

Operator

City - -

Region

Building Type

Gas Service

Created by:

HP033

Market Manager

Franke Project Number

Electrical Service

Site Address

State Zip Code

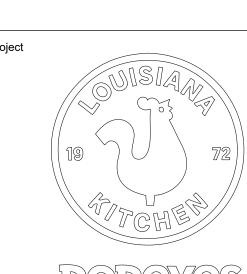
PLK 2112

INSTALLATION DETAIL

WALL MOUNTED

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and connections specified by FRANKE must be checked
by the client prior to installation. Specifications for power consumption and connections are limited to equipment supplied by FRANKE. All third party accessories shown lie within the responsibility of the client. FRANKE reserves the right to change equipment without notice.



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Country Store Type US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

Date Issued 10/01/20 Modified By: AM029 Drawing Scale AS NOTED Units INCHES Drawing Number

Sheet Name 1 OF 4 Drawing Title MECHANICAL HOOD DRAWINGS

Revision Checked AH 1/4" = 1'-0" JUNE 2023 Project No. Drawing No. M3.1 C22-129

EXHAUST FAN DATA

EXHA	UST FA	4N INI	FORMATION - PLK 21	36 PROTO												
FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	ВНР	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	
1	EF-LEFT	1	FR-DU50HFA	FRANKE FOODSERVICE	1231	0.800	1501	TEAD-ECM	0.500	0.3500	1	115	6.3	468 FPM	78	Ī
2	EF-RIGHT	1	FR-DU50HFA	FRANKE FOODSERVICE	1231	0.800	1501	TEAD-ECM	0.500	0.3500	1	115	6.3	468 FPM	78	Ī
FAN FAN UNIT NO	<i>OPTION</i> TAG	QTY		DESCRIPTIO	IN .											
		1	GREASE BOX.													
1	EF-LEFT	Т 1	EXHAUST FAN HEAT BAFFLE.	EXHAUST FAN HEAT BAFFLE.												
		1	ECM WIRING PACKAGE - PW	M SIGNAL FROM ECPMO3	PREWIRE	(TELCO M	OTOR), (CCW ROTAT	IDN.							
		1	GREASE BOX.													
2	EF-RIGH	T 1	EXHAUST FAN HEAT BAFFLE.													
		1	ECM WIRING PACKAGE - PW	M SIGNAL FROM ECPMO3	PREWIRE	(TELCO M	DTDR), I	CCW ROTAT	IDN.							

FAN ACCESSORIES GREASE GRAVITY WALL SIDE GRAVITY MOTORIZED WALL CUP DAMPER MOUNT DISCHARGE DAMPER DAMPER MOUNT

CURB ASSEMBLIES

GREASE BOX.
EXHAUST FAN HEAT BAFFLE.
FAN BASE CERAMIC SEAL - SHIP LOOSE FOR GREASE DUCTS.
ECM WIRING PACKAGE - MANUAL DR
0-10VDC REFERENCE SPEED CONTROL
(TELCO MOTOR), CCW ROTATION.

YEXHAUST FAN DATA

TAG WEIGHT 19.500"W X 19.500"L X 24.000"H HINGED.

FEATURES: - DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). - RESTAURANT MODEL. - VARIABLE SPEED CONTROL. INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING. - NEMA 3R SAFETY DISCONNECT SWITCH. NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY
WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY
DETERIORATING EFFECTS TO THE FAN WHICH
WOULD CAUSE UNSAFE OPERATION. ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY
WHILE EXHAUSTING BURNING GREASE VAPORS
AT 600°F (316°C) FOR A PERIOD OF
15 MINUTES WITHOUT THE FAN BECOMING
DAMAGED TO ANY EXTENT THAT COULD CAUSE
AN UNSAFE CONDITION. ─ 3″ FLANGE. ROOF OPENING DIMENSIONS.

LISTED GREASE DUCT. PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS. SPECIFY PITCH: EXAMPLE: 7/12 PITCH = 30° SLOPE.

FANS #1 (EF-LEFT), #2 (EF-RIGHT) - FR-DU50HFA EXHAUST FAN

13 1/4

- GREASE DRAIN.

DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS).

EXHAUST HOOD DATA

HOOD INFORMATION - PLK 2136 PROTO MODEL MANUFACTURER MEDIUM 166 2462 4" 12" 1231 1567 -0.734" 430 SS 4" 12" 1231 1567 -0.734" WHERE EXPOSED

HOOD INFORMATION FIRE HOOD SYSTEMHANGING PIPING WEIGHT ELECTRICAL SWITCHES EFFICIENCY @ 7 MICRONS WIRE LOCATION SIZE QTY HEIGHT LENGTH TYPE MODEL # SIZE QUANTITY HIGH EFFICIENCY

> (\$) GREASE DUCT & CHIMNEY SPECIFICATIONS: PROVIDE GREASE DUCT EQUAL TO FRANKE FOODSERVICE SYSTEMS MODEL "FRDW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK, MODEL "FRDW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "FRDW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY | EQUAL TO FRANKE FOODSERVICE SYSTEMS MODEL "FRDW- 2R, 2R TYPE HT, 3R, OR 3Z" RDUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS DUTER SHELL.

FRANKE FOODSERVICE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

HVAC DISTRIBUTION NOTE HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD, PERFORATED DIFFUSERS ARE RECOMMENDED.

CUSTOMER APPROVAL TO MANUFACTURE: VERIFY CEILING HEIGHT APPROVED AS NOTED APPROVED WITH NO EXCEPTION TAKEN REVISE AND RESUBMIT

YOUR TITLE ___

FAN ACCESSORIES

ITEM

SUPPLY

GREASE GRAVITY WALL SIDE GRAVITY MOTORIZED WALL CUP DAMPER MOUNT DISCHARGE DAMPER DAMPER MOUNT

17.500"W X 17.500"L X 20.000"H

SIZE

\EXHAUST HOOD DATA

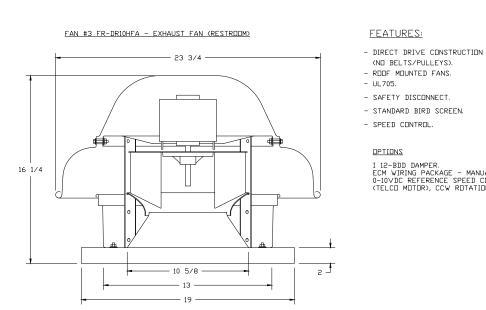
SCALE: NO SCALE

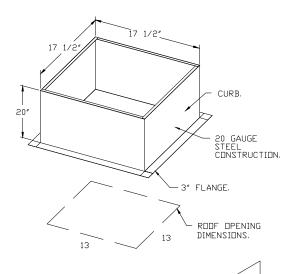
3 RESTROOM

	<u>RESTROOM EXHAUST FAN DATA</u>														
EXHA	AUST FA	$N I \Lambda$	IFORMATION - JOB PLK	PR0T0											
FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	CFM	ESP	RPM	MOTOR ENCL	HP	ВНР	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
3	RESTROOM	1	FR-DR10HFA	75	0.25	1015	TEAD-ECM	0.166	0.02	1	115	1.9		50	1.9
FAN	FAN OPTIONS														
FAN UNIT TAG QTY DESCRIPTION										CURB AS	SSEMBLIE.	<u>S</u>			

1 I 12-BDD DAMPER.

1 ECM WIRING PACKAGE - MANUAL DR 0-10VDC REFERENCE SPEED CONTROL (TELCO MOTOR), CCW ROTATION.



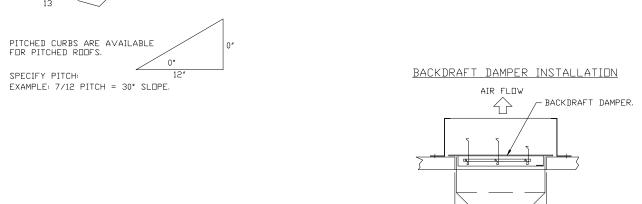


SPECIFY PITCH:

TAG

3 # 3 RESTROOM

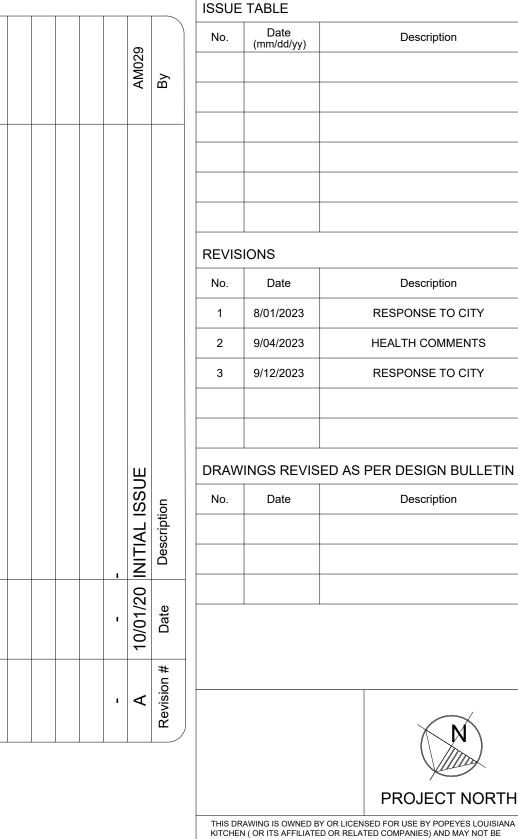
WEIGHT



CUS	TOMER APP	ROVAL	TO MAN	UFACTL	JRE:
APPROVED A	S NOTED				
APPROVED W	ITH NO EXCEPTION TAKEN				
REVISE AND	RESUBMIT				
SIGNATURE _					
YOUR TITLE _		DATE			

5 RESTROOM EXHAUST FAN DATA

2 SCALE: NO SCALE



41082

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Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

PROJECT NORTH

9.13.2023

Franke Foodservice Systems Americas, Inc.

800 Aviation Parkway

FR AN KE

Smyrma, TN USA 37167 Tel. +800 472-2954 fs_customerservice.us@franke.com www.frankesupply.com

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POPEYES

Site ID

Operator -Site Address

City - -

Region

Building Type

Gas Service

| Market Manager

Franke Project Number

Electrical Service

PLK 2112

INSTALLATION DETAIL

WALL MOUNTED

State Zip Code Country Store Type

Company Logo

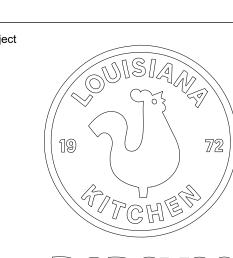
US 2112 PROTOTYPE 2112-21 Location

> 1517 NC 24-87 CAMERON, NC

Created by: HP033 10/01/20 Modified By: AM029 Drawing Scale AS NOTED

Checked INCHES Drawing Number AH 1/4" = 1'-0" JUNE 2023 2 OF 4 Project No. Drawing No. C22-129 M3.2

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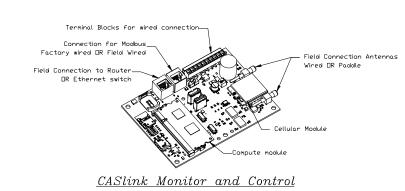


Drawing Title MECHANICAL HOOD

DRAWINGS Revision

Sheet Name





Hood control panel to support communications to cloud-based Building Hood control panel to support communications to cloud-based Building Management System.
 Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
 Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
 Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

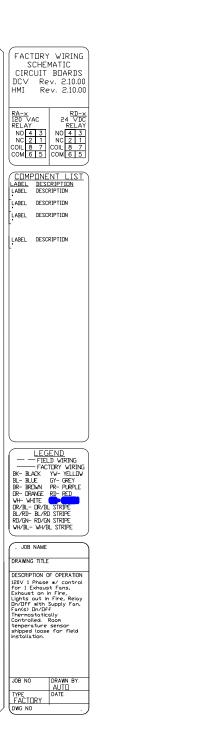
DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR	Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controller Faults	MONITOR
Fan Amperage	MONITOR	Fan Faults	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
VFD Faults	MONITOR	PCU Faults	MONITOR
Controller Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	CORE Fire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR	Fans Button(s)	MONITOR & CONTR
Fire Condition	MONITOR	Lights Button(s)	MONITOR & CONTR
CORE Fire System	MONITOR	Wash Button	MONITOR & CONTR
Building Pressures	MONITOR		I.
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		

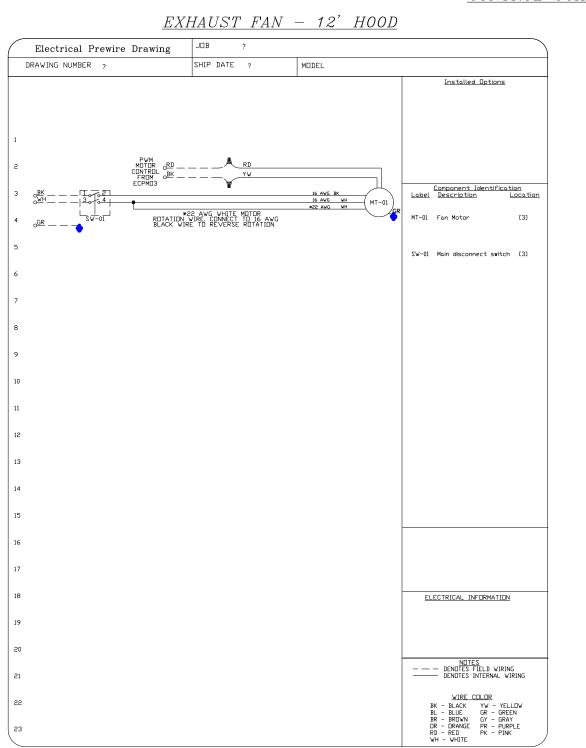
MONITOR & CONTROL

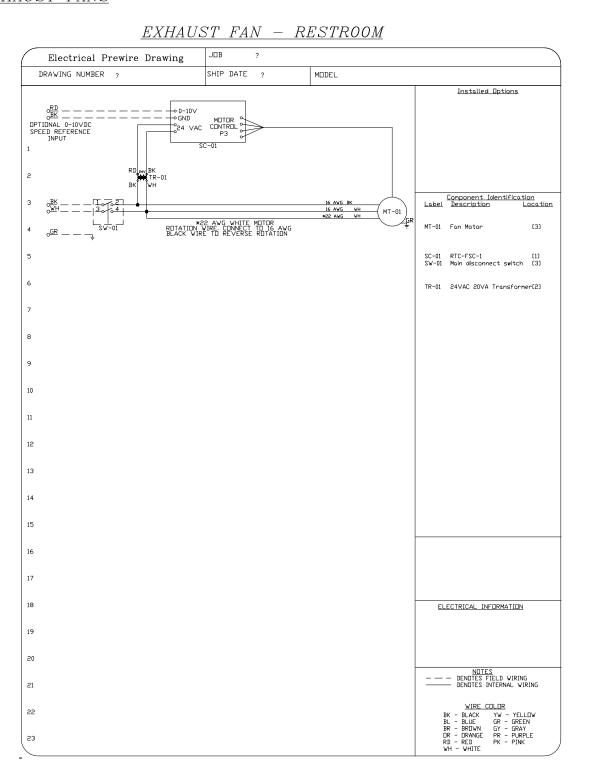
OB NO J□BNUM	MODEL NUMBER MODELNO		DRAWN BY CAS	SCHEMATIC TYPE INSTALL	DESCRIPTION 120V 1 Phose W/ c	ON OF OPERATION:	xhaust on in Fire, Lights out in Fire, R n temperature sensor shipped loose for	elay On/Off with Supply F
אוטאומטכ	JOB NAME JOBNAME		DATE DATE	DWG NO	Fan(s) On/Off The	rmostatically Controlled. Room	n temperature sensor shipped loose fo	field installation.
			Ditt is		1			
BREAKER PANEL TO PRIMARY	CONTROL PANEL		FEED STP THROUGH IN COOLING TUBE. ALLOW ENDUGH SLACK ON STR	INER RD TI	C MOTOR	_{T1} -		<u> </u>
Responsibility: Elec	trician	ROADST PWM SPEED SIGNAL	PROPER HINGING (EXH	ALIST THE YN TELC	O MOTOR	CONTROL PANEL T2	Neutral Scround	EXTERNAL TAG1
BREAKER SIZE SHOWN IS THE			NDTE: PWM SIGNAL IS SENSITIVE.	POLARITY ZIEHL	_ MOTOR	CIRCUIT OGNIO- ON/OFF WITH T3 -	Hot_	
BREAKER PANEL	PRIMARY CONTROL PANEL	PANEL TO P#AO-	SHIELDED TWISTED PAIR	RED(+)	- = -	^{22:30} FIRE T4 -		—EXTERNAL TAG2
BREAKER 1PH	— — HOT — OHIO	ECM (P#BO-	BLACK(-)	BLACK(->		AC-X GND	SPARE CONTACT ON/OFF WITH	T
120 V 15 A CONTROL POWER. DO TO GFCI OR SHUNT TR	Consumed	5			FAN:		FIRE. WIRE DIRECT TO CONTACTOR	
I BREAKER.			,				THE EDITIONING CONNECTIONS	
1ST HOOD LIGHT BREAKER SHAR CONTROL POWER, SWITCH #1	ED W/	· CONTROL (NAMEL TO ACCE	CODY ITEM	6		THE FOLLOWING CONNECTIONS MAY OR MAY NOT BE REQUIRED BASED ON JOBSITE	
	Hot		PANEL TO ACCE: ponsibility: Elect		2		SPECIFICATIONS	
15 V	Ground CNITO VILTI V	MP CONTROL PANEL	porision by Exect		PONENT	CONTROL PANELOSTO	HOT TO SHUNT COIL	SHUNT COIL
TAG1	Anperage2: A	MP 12		MICROS	SWITCH 1	SIGNAL FOR ONIO	NEUTRAL FROM SHUNT COIL_ ST TERMINAL IS ENERGIZED	
BREAKER 1PH	Hot	CONTROL PANEL			A:NO RAP	SHUNT TRIP	IN FIRE CONDITION.	
TAG2 AC-X	Ground	TO OCIO-			SINC			. '
WIRE directly to Equipmen		MICROSWITCH CHICAGO	WIRE C1 TO COMMON (1). WIRE AR1 TO NORMALLY					
5			C1 TO AR1 SHOULD HAVE CONTINUITY WHEN ARMED	MS-1	O4:NO PEP			
		IF MORE THAN ONE						1
BREAKER PANEL T	□ FANS	IF MORE THAN ONE FIRE SYSTEM, WIRE IN SERIES AS SHOWN		1:C	2:NC 02:NC	CONTROL PANELO C2 O- SPARE FIRE OAR2O-		
Responsibility: Elec	trician	DARIO-				SYSTEM DRY	SPARE CONTACTS WILL MAKE C2 TO AR2 WHEN SYSTEM IS ARMED, THEY	
REAKER PANEL	FANS					CONTACT	NORMALLY DEN SPARE CONTACTS WILL MAKE C2 TO AR2 WHEN SYSTEM IS ARMED, THEY ARE USED TO DISABLE COUJPMENT OR PROVIDE SIGNALS. (NOT FOR BUILDING FIRE ALARM WHICH MUST BE WIRED DIRECTLY TO THE ANSUL ALARM INITIATING SWITCH LOCATED IN ANSUL AUTOMAN)	
BREAKER 1PH	HDT 	CONTROL PANEL J4	ALL SWITCHES FACTORY CAT-5 CONNECTION	WIRED	$+\Box$		BE WIRED DIRECTLY TO THE ANSUL ALARM INITIATING SWITCH LOCATED	
V	ECM FANS	SWITCHES	om o obmestible				IN ANSUL AUTUMAN)	
MUCP: A CAS1				HUUD	LIGHTS 1	CONTROL PANEL OSFCIO DRY CONTACT OSFOIO		
	нот	CONTROL PANELO BIO-		BLACK_		PONTOCC VALUE	COMMON	
BREAKER 1PH	NEUTRAL POWER TO	TO <u>OWIO</u> - "HOOD LIGHTS <u>OGNDO</u> -		WHITE GREEN	<u>~ </u>	SUPPLY FAN OSFIZO- GROUP 1	NORMALLY OPEN	
V	Ground ECM FANS	1400 W MAX	WIRE TO J-BOX ON TOP	OF HOOD			SPARE CONTACTS WILL MAKE COMMON TO NORMALLY OPEN WHEN SUPPLY FAN IS ON.	
MUCP: A CHSI		COMM		ROUT	ER			
5		CONTROL PANEL	CAT-5 ETHERNET CONNE			CONTROL PANEL OSFC50 DRY CONTACT OSFU50		
		WORLD WIDE	WIRE DIRECTLY TO COMM MODULE. NET REQUIRES 1			PONZOCE VITU	COMMON	
CONTROL PANEL T	Π FANS	WEB	UDP PORT 1444 & 1445	OPEN FOR		ANY SUPPLY OSFO	NEDWALL V. DDEN	
Responsibility: Elec			DUTBOUND TRAFFIC ONLY	.		— MIN	SPARE CONTACTS WILL MAKE COMMON TO NORMALLY OPEN WHEN SUPPLY FAN IS ON.	
PRIMARY PANEL	FANS	CONTROL PANEL TIAO-	ļ		-			BMS SWITCH
FEED STP THROUGH	INNER RD TO RD	TO TIBO	WIRE TO CONTROL BOAR! SENSOR IN ROOM AWAY F	D. INSTALL + POR	 DM_TEMP	CONTROL PANELO HIO	+	
FEED STP THROUGH COOLING TUBE. ALLO ENDUGH SLACK ON S SPEED SIGNAL PROPER HINGING. (E)	DVICE UNI AN IEFED MULIUKI	TENT SENSOR	SOURCES. DO NOT INSTAL	L SENSOR		TO OIO10	SIGNAL SWITCH THROUGH BMS WILL ACTIVATE ZONE1 FANS AND	T
NDTE: PWM SIGNAL I SENSITIVE.	S POLARITY BK TO YW ZIEHL MOTOR	l ===	ON THE CEILING GRID, S		,	SWITCH	LIGHTS	
CONTROL OUTDOOR RATED PAIR	BK TO BK	CONTROL PANEL T2AO-	WIRE TO CONTROL BOAR					
ECM OP#BO BLACK(-)		CAPTURE VOLUME SENSOR	SENSOR MOUNTED IN HOD VOLUME.		UNK	CONTROL PANEL OFFCIO		<u> </u>
	FAN:	2FIN2FIK	VULUME.			DRY CONTACT OFFICE	NORMALLY OPEN	
I.	1 1	CONTROL PANEL TZAO		+	// /	*DN/DFF WITH OFFCOO EXHAUST FAN OFFDOO GROUP 1	NORMALLY OPEN	+-
		TO T2BO-	WIRE TO CONTROL BOAR! SENSOR MOUNTED IN HOD	D. CAPTURE	UNK UNK	GROUP 1	NORMALLY OPEN SPARE CONTACTS WILL MAKE COMMON TO NORMALLY OPEN WHEN EXHAUST FAN IS ON.	T
		SENSOR	VOLUME.	D ORI TOKE			WHEN EXHAUST FAN IS DN.	
		l	1			اح	1	

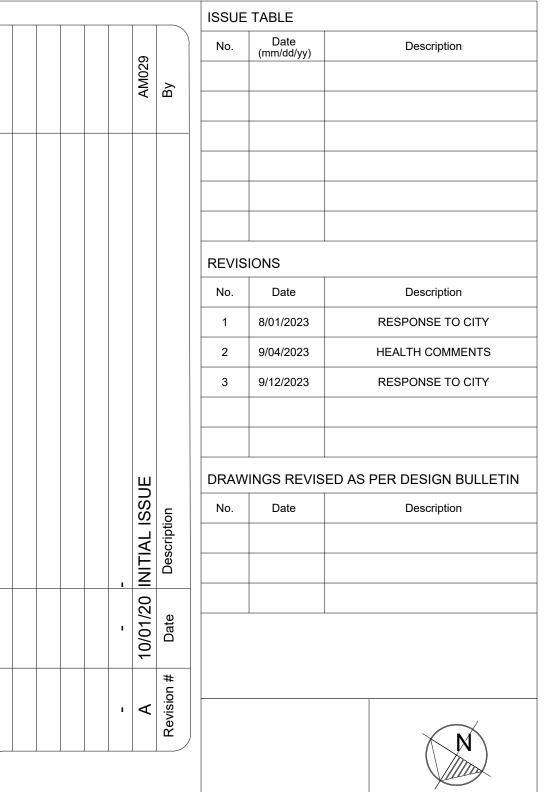
A B C D E	F G H I	FACTORY WIRING
UNLESS SPECIFIED OTHERWISE, ALL FACTORY AC VIRING 16 AWG. ALL FACTORY DC WIRING 18 AVG. 1 J9 120V NI WH MASSO 120V H1=LINE, BIB		SCHEMATIC CIRCUIT BOARDS DCV Rev. 2.12.00
NI O BK MASS 120V H1=LINE, BB		HMI Rev. 2.12.00
(AS) BK (BASO — NI=NEUTRAL, 15A = 24V (89001)(2(3(4)	WIRED BK Wired to ANT BROWN Asset CORE ANT BROWN ASSET CORE	RA-x 120 VAC 24 VDC RELAY RELAY
KTS 4 NOT CONNECT 3 NOT CONNEC	WIRED AND SCADA SCADA WIRED BR Wired to RD Master CORE (ff applicable) USBD USe shielded wire	NO 4 3 NC 2 1 COIL 8 7 COM 6 5 COM 6 5
PCU O INSTALLATION COLOR A V	DEST CAT-5	COMPONENT LIST
PANEL LIDIH GR. CORSO — RIDITIONAL REG. A A A G. S.	DEST TO ETH	LABEL DESCRIPTION LABEL DESCRIPTION
3		LABEL DESCRIPTION LABEL DESCRIPTION
		LABEL DESCRIPTION LABEL DESCRIPTION
		LABEL DESCRIPTION
4		
J7 120V		
BK 14AWG RND-X BK 14ST	N/A N/A 83.4% 83.4%	
		LABEL DESCRIPTION
		L. DESCRIPTION
	日	LABEL DESCRIPTION
6 DC+DBL QRD-X Q PR RD1		
DESID_BK OCT-XXIO AH DESID_BK	T	
		LEGEND — FIELD WIRING — FACTORY WIRING
7 MOUNT IN ECP DOOR. 120V AUDIBLE, ALARM DESTER OF TWO WH		BK- BLACK YW- YELLDW BL- BLUE GY- GREY BR- BRDWN PR- PURPLE DR- DRANGE RD- RED
DESTD BY SUNC A BY WHOTE STATE OF THE STATE	DRY CONTACTS (SHOWN DE-ENERGIZED) 14 AWG RA-X-X	DR/BL - DR/BL STRIPE BL/RD- BL/RD STRIPE
ACTIVATES IN FIRE MAKE UP AIR INTERLIOK. JUMPER UP AIR TO THE TO	——DNIGNOS WITH FIRE ——O C C C YW	RD/GN- RD/GN STRIPE WH/BL- WH/BL STRIPE
B B B B B B B B B B B B B B B B B B B	14 AWG RA-X-X 14 AWG RA-X-X	DRAWING TITLE
	14 AWG RA-X-X 14 AWG RA-X-X	DESCRIPTION OF OPERATION 120V 1 Phase w/ control
		for 2 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay Dn/Off with Supply Fan, Fan(s) Dn/Off Thermostatically
9	0N/OFF WITH — 012 NO° EXH — 012 C YW	Thermostatically Controlled. Room temperature sensor shipped loose for field
	14 AWG RA-X-X	installation.
	= - <u>5123</u> vo* v	
10		JOB NO DRAWN BY AUTO TYPE DATE FACTORY
	DEFAULT BOX SIZE	DWG NO .

CONTROL SCHEMATIC - EXHAUST FANS





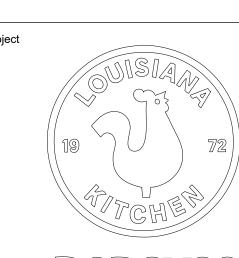






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PROJECT NORTH

9.13.2023

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41082

CIVIL PENALTIES.

Company Logo

Store Type US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

Drawing Title

Revision

Location

Country

MECHANICAL HOOD DRAWINGS Checked AH

M2.1

JUNE 2023 1/4" = 1'-0" Project No. Drawing No. C22-129

6 CONTROL SCHEMATIC SCALE: NO SCALE

MOTOR POWER CIRCUITS SEE INSTALLATION DIAGRAM FOR FIELD WIRING REQUIREMENTS.

| CONTINENT | CONT

APPLIANCE CONTACTOR CIRCUITS. SEE INSTALLATION DIAGRAM FOR FIELD WIRING REQUIREMENTS.

Franke Foodservice Systems 800 Aviation Parkway Smyrma, TN USA 37167

fs_customerservice.us@franke.com www.frankesupply.com

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POPEYES PLK 2112 WALL MOUNTED
INSTALLATION DETAIL

Site ID Operator -Site Address

City - -State Zip Code Region

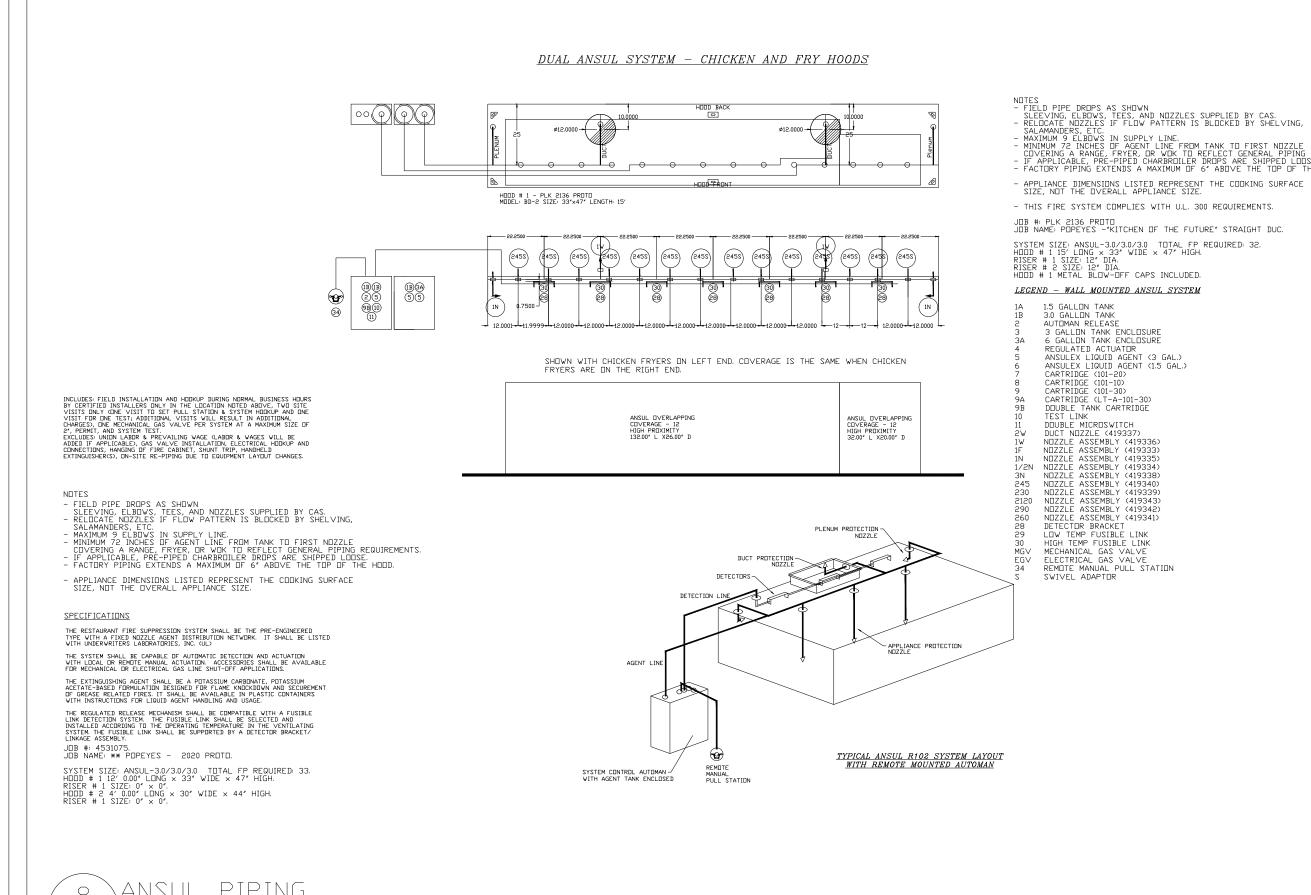
Building Type Electrical Service

Gas Service Market Manager

Franke Project Number Created by: HP033

Date Issued 10/01/20 Modified By: AM029 Drawing Scale AS NOTED Units INCHES Drawing Number

Sheet Name 3 OF 4



<u>UL LISTED NON-WELDED DUCT WORK</u>

	1RTS - J0B#2136						
TAG	PART #	CFM	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1235DWLT-2R-S	1245	-0.0151	40.86	1585.18	1	DOUBLE WALL DUCT — 12" INNER DUCT, 35" LONG — 2 LAYERS REDUCED CLEARANCE — 16" STAINLESS STEEL OUTER SHELL.
P2	DW1247DWAJD-2R-S	1245	-0.0119	83.19	1585.18	1	DOUBLE WALL ADJUSTABLE DUCT $-$ 12" INNER DUCT $-$ 2 LAYERS REDUCED CLEARANCE $-$ 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH $=$ 11" / MAX LENGTH $=$ 48.5" / ADJUSTMENT $=$ 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P3 ASSEMBLED W/P4	DW124550DWLTTP-2R-S	1245	-0.02	53.52	1585.18	1	DOUBLE WALL DUCT — 12" INNER DUCT, 45.5" LONG — 2 LAYERS REDUCED CLEARANCE — 16" STAINLESS STEEL OUTER SHELL — USED WITH TRANSITION PLATE.
P4 ASSEMBLED W/P3	DW1912TPDBEX	1245		7.50	1585.18	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 19-1/2" CURB TO 12" DUCT, 16 GA ALUMINIZED STEEL. FOR USE WITH EXHAUST FANS.
SYSTEM AT P4			-0.799	0.00			
P5	DW1235DWLT-2R-S	1245	-0.0151	40.86	1585.18	1	DOUBLE WALL DUCT — 12" INNER DUCT, 35" LONG — 2 LAYERS REDUCED CLEARANCE — 16" STAINLESS STEEL OUTER SHELL.
P6	DW1247DWAJD-2R-S	1245	-0.0119	83.19	1585.18	1	DOUBLE WALL ADJUSTABLE DUCT $-$ 12" INNER DUCT $-$ 2 LAYERS REDUCED CLEARANCE $-$ 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH $=$ 11" / MAX LENGTH $=$ 48.5" / ADJUSTMENT $=$ 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P7 ASSEMBLED W/P8	DW124550DWLTTP-2R-S	1245	-0.02	53.52	1585.18	1	DOUBLE WALL DUCT — 12" INNER DUCT, 45.5" LONG — 2 LAYERS REDUCED CLEARANCE — 16" STAINLESS STEEL OUTER SHELL — USED WITH TRANSITION PLATE.
P8 ASSEMBLED W/P7	DW1912TPDBEX	1245		7.50	1585.18	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 19-1/2" CURB TO 12" DUCT, 16 GA ALUMINIZED STEEL. FOR USE WITH EXHAUST FANS.
SYSTEM AT P8			-0.799	0.00			
	3M-2000PLUS			0.80		1	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
TOTAL WEIGHT				370.94			

Intertek

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16' PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR. - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16° PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPP□RT (FT)	VERTICAL Curb Support (ft)
12*	10'	10'	24'

CONFORMS TO UL STD 2221 AND UL STD 1978 CERTIFIED TO CAN/UL-S115, CAN/ULC-S662 AND ASTM E814

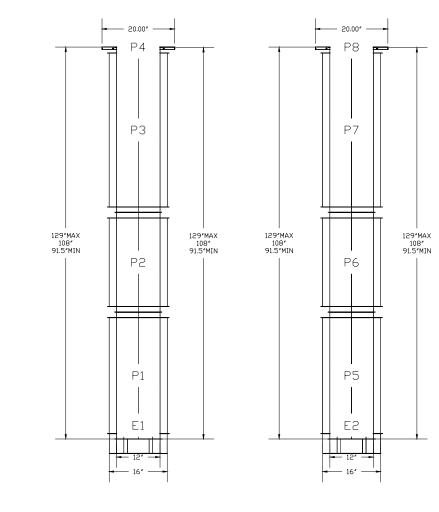
Double Wall Duct - 10" Inner Duct, 2 Layers Reduced Clearance -14" Stainless Steel 🛮 uter Shell

- This duct has been evaluated for use as a 2 hour fire rated grease duct system. It is classified as an alternative to 2 hour
- fire resistive rated shaft enclosure systems. - For grease duct systems installed without a continuous fire-rated enclosure, an evaluated through-penetrated fire stop
- assembly shall be used. Complies all applicable requirements of the referenced standards as required by the National Building Code of Canada (NBCC). International Mechanical Code (IMC) or NFPA96, and

when installed in accordance with the manufacturers's

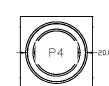
recommended installation instructions.

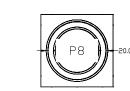
– This duct may be installed with 3_4 dinch clearance from the outer surface of the duct to combustible materials. The outer v-band may be installed in contact with combustible materials.



DUCTWORK #1 FRONT VIEW

DOUBLE WALL DUCT





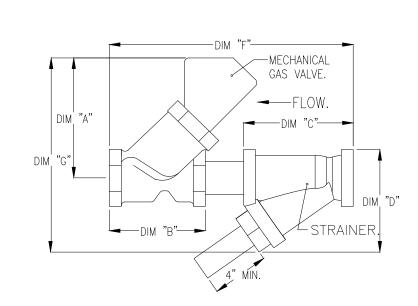
DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES.

7 UL LISTED NON-WELDED DUCT WORK

ANSUL FIRE SYSTEM EQUIPMENT SCHEDULE

FIRE .	SYSTI	EM INFORMATIO	ON - JO	B PLK 2136 PROTO			
FIRE					FLOW	INSTALLA	TION
SYSTEM ND	TAG	TYPE		SIZE	POINTS	SYSTEM	LOCATION ON HOOD
1		ANSUL R102		3.0/3.0/3.0	32	WALL MOUNT LEFT	N/A
GAS V	ALVE	(S)					
FIRE SYSTEI NO	M TAC	TYPE	SIZE	SUPPLIED BY			
1	1 MECHANICAL 1,500 FRANKE FOODSERVICE						

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST		
NLI		0 - 0 - 439861 LARGE BL□W□FF CAP, METAL, T□ FIT NEW LASER-ETCHED ANSUL N□ZZLES, A0024201.	18	0		
		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, DR SS ENCLOSURE (UL/ULC)) MACOLA # 01-429862.	3	0		
		2 - 2 - AP - AR AUTOMAN RELEASE - ANSUL AUTOMAN MECHANICAL RELEASE (UL), TANK SOLD SEPARATELY, ANSUL PART # 429853; MACOLA # 01-429853.	1	0		
		3 - 3 - AP - ADE ENCLOSURE (DOUBLE) - DOUBLE STAINLESS STEEL ENCLOSURE (UL), ANSUL PART # 429872; MACOLA # 03-429872.	1	0		
		3 - 3 - AP - AE ENCLOSURE - STAINLESS STEEL ENCLOSURE ASSEMBLY (UL), ANSUL PART # 429870; MACOLA # 01-429870.	0	0		
		5 - 5 - LIQ-3.0 AGENT - ANSULEX LOW PH WET CHEMICAL AGENT, 3 GALLON (UL) 79372.	3	0		
		9 - 9 - DT-CART DOUBLE TANK NITROGEN CARTRIDGE.				
		10 - 10 - TLINK LINK - TEST LINK (1 TEST LINK) ANSUL PART # 24916, MACOLA # 20-24916.				
		11 - 11 - MICRO-SDA MICROSWITCH KIT- INCLUDES 2 SWITCHES AND MOUNTING HARDWARE. SINGLE DUAL ELECTRIC SWITCH, ONE STANDARD SWITCH, ONE ALARM DUTY SWITCH ANSUL PART # 437155, MACOLA # 08-437155.	1	0		
		14 - 14 - 419336 NDZZLE - 1W NDZZLE, DUCT/APPLIANCE (REPLACES ANSUL PART# 419347, CAS PART# 419336) A0001266.	2	0		
1		16 - 16 - 419335 NDZZLE - 1N NDZZLE, PLENUM/APPLIANCE (REPLACES ANSUL PART# 419346, CAS PART# 419335) A0001265.	2	0		
		20 - 20 - 419340 NOZZLE - 245 NOZZLE, APPLIANCE (REPLACES ANSUL PART# 419351, PART# 419340) A0001270.	14	0		
		25 - 25 - 418569 NDZZLE ADAPTOR - SWIVEL NDZZLE ADAPTOR (REPLACES CAS PART # 418569) A0001274.	14	0		
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	18	0		
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" HODD SEAL (UL) ANSUL PART # 423253, MACDLA # 32-79768.	1	0		
		28 - 28 - S-DET DETECTOR - SERIES (SCISSOR LINKAGE) ANSUL PART # 435547/435548 (OLD # 417369/434480); MACOLA # 05-417369.	7	0		
		30 - 30 - ANS-500FL FUSIBLE LINK - 500DEG F, R-102 AND PIRANHA, ANSUL PART # 439232.	7	0		
		34 - 34 - RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPE) 434618 (OLD MACOLA #06-4835).	1	0		
		35 - 35 - PE-LT PULLEY ELBOW - LOW TEMP. PULLEY ELBOW, SET SCREW TYPE ANSUL PART # 415670, MACOLA # 11-415671.	0	10		
		36 - 36 - PE-HT PULLEY ELBOW - HIGH TEMP PULLEY ELBOW, COMPRESSION TYPE, ANSUL PART # 423251, MACOLA # 10-45771.	1	0		



		GAS VALVES AND STRAINERS															
	GAS VALVE SIZING						GAS VALVE DIMENSIONS						INSTALLATION	I	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	MOUNTING ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1→	MECHANICAL	1-1/2"		0 PSI (0 IN.W.C.)	10 PSI (277 IN.W.C.)	2,630,000 BTU/HR	1,706,569 BTU/HR	6-3/8"	4-7/8"	5-3/4"	6-3/16"	12-5/8"	11-3/8"	HORIZONTAL	27-55607	4417K67	MGVA1-1/2

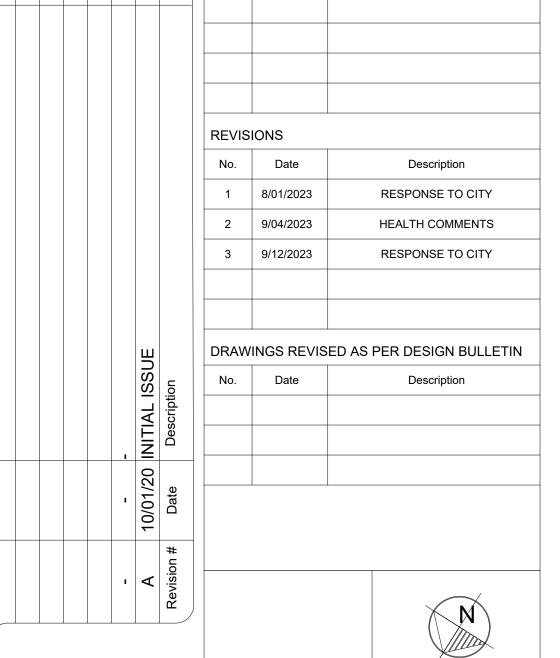
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP.

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP.

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP NEW BTU/H

9 ANSUL FIRE SYSTEM EQUIPMENT SCHEDULE 4 SCALE: NO SCALE



CIVIL PENALTIES.

Company Logo

ISSUE TABLE

Description

41082

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POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY

PROJECT NORTH

9.13.2023

Franke Foodservice Systems Americas, Inc. 800 Aviation Parkway

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POPEYES PLK 2112 WALL MOUNTED INSTALLATION DETAIL Site ID

Operator -Site Address

- -State Zip Code Country Region

Building Type

Electrical Service Gas Service

Market Manager Franke Project Number

Created by: HP033 10/01/20 Modified By: AM029 Drawing Scale

AS NOTED INCHES Drawing Number

Sheet Name 4 OF 4



ARCHITECTURE • CIVIL ENGINEERING • MEP ENGINEERING 10755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u>

Store Type US 2112 PROTOTYPE

1517 NC 24-87

2112-21

CAMERON, NC

Drawing Title

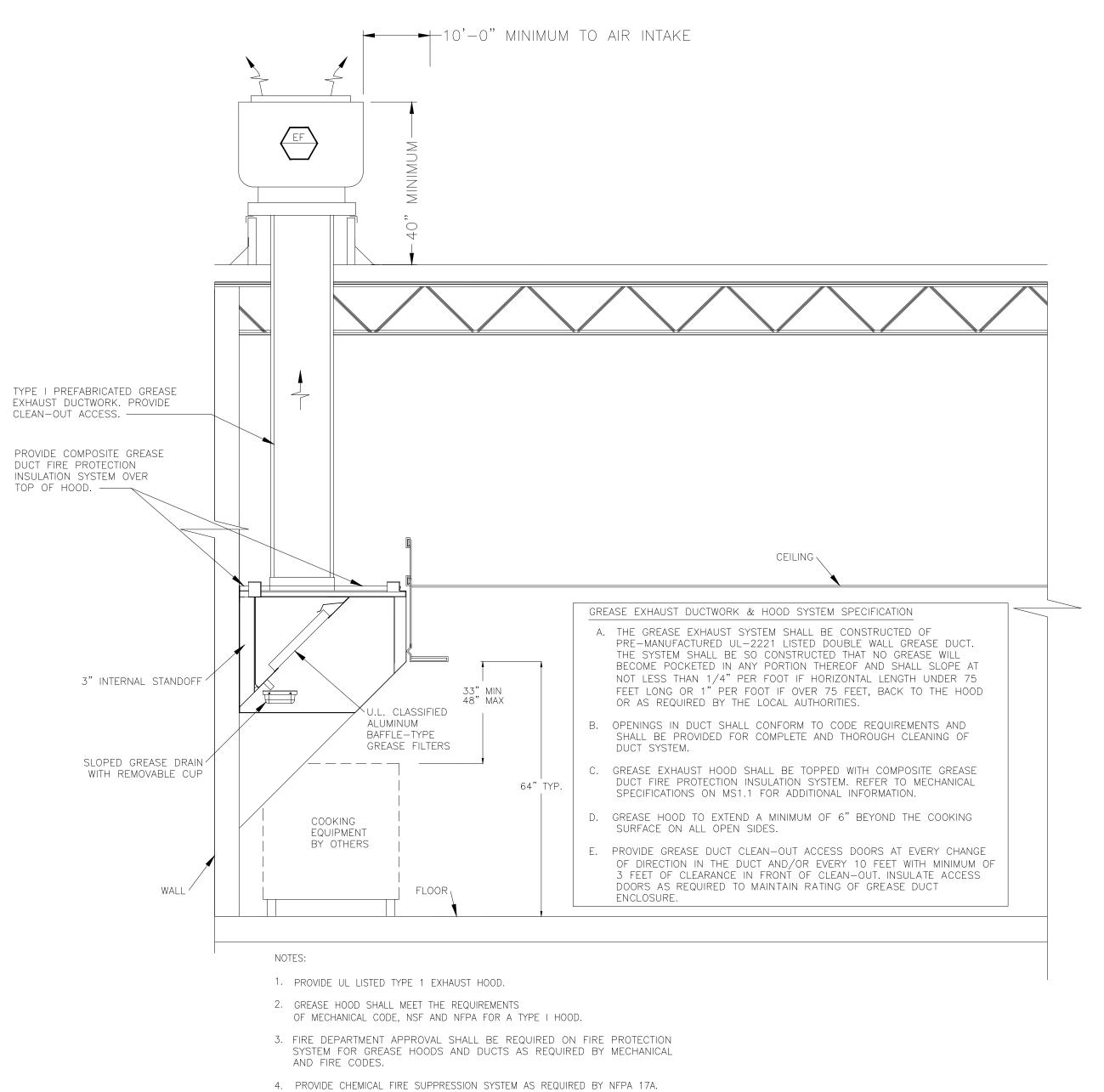
Location

Revision

1/4" = 1'-0" Project No. Drawing No. C22-129 M3.4

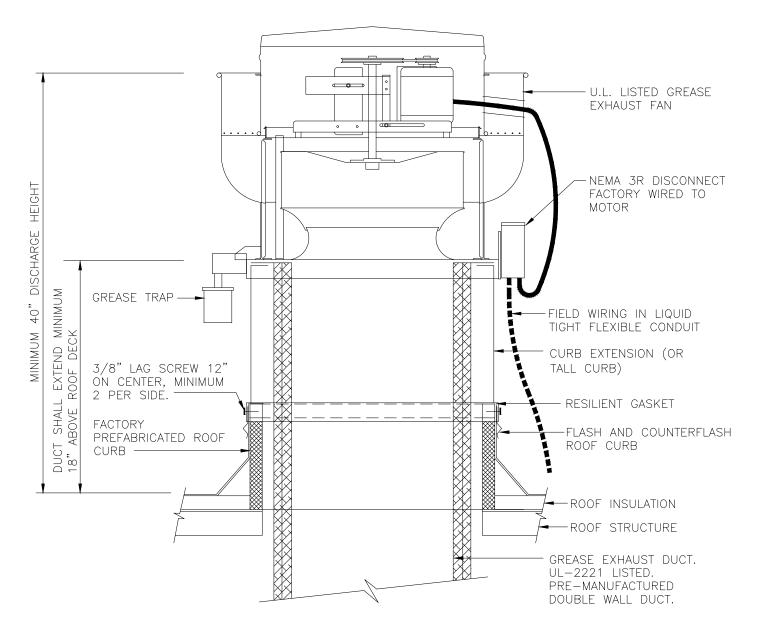
MECHANICAL HOOD DRAWINGS Checked

 AH JUNE 2023



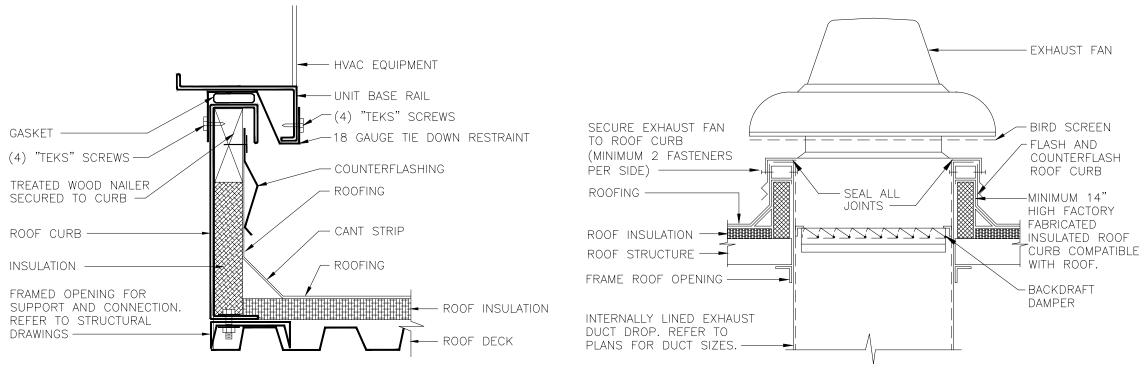
5. PERFORM SMOKE TEST ON GREASE EXHAUST DUCTWORK AFTER DUCTWORK INSTALLATION IS COMPLETE BUT PRIOR TO DUCTWORK

CONCEALMENT PER REQUIREMENTS OF LOCAL CODE AUTHORITIES.



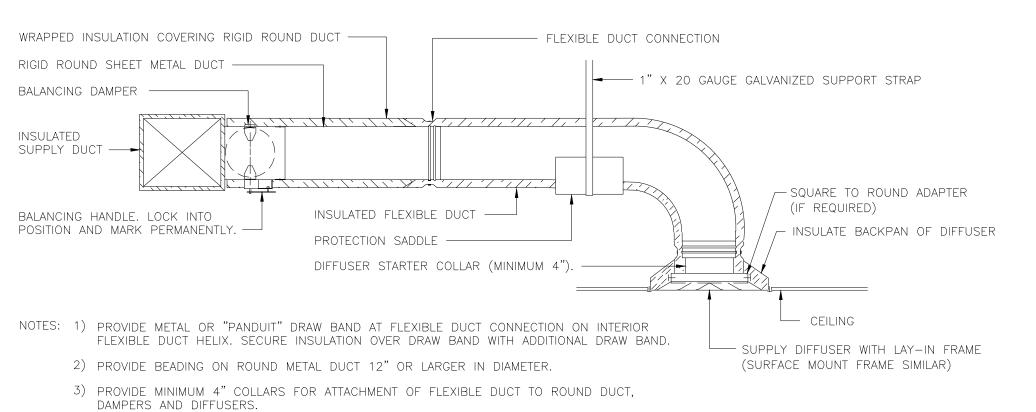
NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.

1 ROOF MOUNTED GREASE EXHAUST FAN DETAIL NOT TO SCALE



3 ROOFTOP UNIT CURB DETAIL NOT TO SCALE





0 4 DIFFUSER CONNECTION DETAIL
NOT TO SCALE

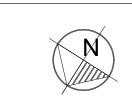
OVERLAP.

4) BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION

ISSUE	TABLE	
No.	Date (mm/dd/yy)	Description
REVIS	SIONS	

No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

DRAWINGS REVISED AS PER DESIGN BULLETIN								
No.	Date	Description						



PROJECT NORTH

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9.13.2023

Company Logo





Store Type

4547 NO 04 0

1517 NC 24-87 CAMERON, NC

US 2112 PROTOTYPE

2112-21

Drawing little

MECHANICAL DETAILS

Drawn	Checked
NI	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	M4.1

HVAC SEQUENCE OF OPERATIONS

PROVIDE ALL NECESSARY SENSORS, DAMPER ACTUATORS, CONTROL TRANSFORMERS WITH SECONDARY OVERLOAD PROTECTION, WIRING AND CONDUIT TO ACCOMPLISH FOLLOWING SEQUENCE OF OPERATION:

ROOFTOP UNIT:

THERMOSTATS SHALL BE SET TO DETERMINE OCCUPIED AND UNOCCUPIED HOURS OF OPERATION. HOURS SHALL BE COORDINATED WITH OWNER. ROOFTOP UNITS SHALL BE INTERLOCKED WITH KITCHEN EXHAUST FANS TO PROVIDE MAKE-UP AIR FOR HOODS.

OCCUPIED MODE:

SUPPLY FAN SHALL RUN CONTINUOUSLY AND OUTSIDE AIR DAMPER SHALL OPEN TO MINIMUM POSITION TO DELIVER SCHEDULED QUANTITY OF VENTUATION AIR

SUPPLY FAN SPEED SHALL VARY AIRFLOW AS A FUNCTION OF LOAD. DURING NON—COOLING, FIRST STAGE COOLING, AND NON—HEATING TIMES, SUPPLY FAN SHALL RUN AT MINIMUM SPEED. DURING SECOND STAGE COOLING AND HEATING TIMES, SUPPLY FAN SHALL RUN AT FULL SPEED. OUTSIDE AIR DAMPER SHALL MODULATE POSITION TO MAINTAIN REQUIRED QUANTITY OF OUTSIDE AIR AS SUPPLY FAN VARIES SPEED.

COOLING:

WHEN SPACE TEMPERATURE RISES ABOVE OCCUPIED COOLING SET
POINT, PACKAGED DIRECT EXPANSION COOLING SHALL BE ENERGIZED
AND STAGE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE.

ECONOMIZER:

WHEN OUTDOOR AIR TEMPERATURE IS BELOW 65°F (ADJUSTABLE), ECONOMIZER SHALL MODULATE BETWEEN ITS MINIMUM SET POINT AND FULL OPEN TO MAINTAIN SPACE COOLING SET POINT, SUBJECT TO A MIXED AIR TEMPERATURE LOW LIMIT CONTROLLER SET POINT OF 55°F. OUTDOOR TEMPERATURE IS ABOVE COMPRESSOR LOCKOUT THERMOSTAT SETTING, MECHANICAL COOLING SHALL BE ENABLED AS SECOND STAGE OF COOLING.

DEHUMIDIFICATION (WHERE APPLICABLE):

WHEN SPACE HUMIDITY READING EXCEEDS 55%RH (ADJUSTABLE), REFRIGERATION SYSTEM SHALL OPERATE AND INITIATE HOT GAS REHEAT AS REQUIRED TO MAINTAIN SPACE HUMIDITY.

<u>HEATING:</u>

WHEN SPACE TEMPERATURE FALLS BELOW OCCUPIED HEATING SET POINT, GAS HEATER SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) TO MAINTAIN SPACE TEMPERATURE.

UNOCCUPIED MODE:

COOLING:

UPON SIGNAL FROM THERMOSTAT, SUPPLY FAN SHALL BE DEENERGIZED AND OUTSIDE AIR DAMPER SHALL CLOSE. IF SPACE TEMPERATURE RISES 2 DEGREES OR MORE ABOVE UNOCCUPIED SET POINT, OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, SUPPLY FAN SHALL BE ACTIVATED AND DX COOLING SHALL BE STAGED AS REQUIRED TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE. WHEN TEMPERATURE FALLS 2 DEGREES BELOW SET POINT, COMPRESSOR SHALL BE DE-ENERGIZED AND SUPPLY FAN SHALL SHUT OFF.

<u>HEATING:</u>

UPON A SIGNAL FROM THERMOSTAT, SUPPLY FAN SHALL BE DE-ENERGIZED AND OUTSIDE AIR DAMPER SHALL CLOSE. IF SPACE TEMPERATURE FALLS 2 DEGREES OR MORE BELOW SET POINT, OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, SUPPLY FAN SHALL BE ACTIVATED AND GAS HEAT SHALL BE ENERGIZED UNTIL UNOCCUPIED SPACE TEMPERATURE IS SATISFIED. WHEN TEMPERATURE RISES 2 DEGREES ABOVE SET POINT, GAS HEAT SHALL BE DISABLED AND SUPPLY FAN SHALL BE DE-ENERGIZED.

MORNING WARM-UP/COOL DOWN:

CONTROLS SHALL BE CAPABLE OF AUTOMATICALLY ADJUSTING DAILY START TIME OF UNIT IN ORDER TO BRING EACH SPACE TO DESIRED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED

OCCUPIED COOLING SET POINT 75 DEGREES
OCCUPIED HEATING SET POINT: 70 DEGREES
UNOCCUPIED COOLING SET POINT: 85 DEGREES
UNOCCUPIED HEATING SET POINT: 55 DEGREES

A SMOKE DETECTOR SHALL DE-ENERGIZE ROOFTOP UNIT SUPPLY FAN AND CLOSE OUTSIDE AIR DAMPER IN BOTH OCCUPIED AND UNOCCUPIED MODES WHENEVER SMOKE IS SENSED BY SMOKE DETECTORS.

MECHANICAL SPECIFICATIONS

PROVIDE EQUIPMENT INDICATED ON DRAWINGS, AND AS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM.

DEFINITIONS: <u>FURNISH</u> MEANS TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR INSTALLATION. <u>INSTALL</u> MEANS TO PLACE IN POSITION AND MAKE CONNECTIONS FOR SERVICE OR USE. <u>PROVIDE</u> MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.

WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF COMPLETED PROJECT. PROVIDE SEPARATE LINE ITEM DEDUCT AMOUNT ON THE PROPOSAL FORM TO DELETE WARRANTY SERVICE, AT OWNER'S OPTION.

COORDINATION: COORDINATE WITH WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF OWNER, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE.

DUCT DIMENSIONS: UNLESS OTHERWISE NOTED, DUCT DIMENSIONS ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

SHEET METAL DUCTWORK: PROVIDE SHEET METAL DUCTWORK FABRICATED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS, FOR 1" W.G. PRESSURE CLASS, SEAL CLASS "A". SHEET METAL SHALL BE GALVANIZED SHEET STEEL OF LOCK FORMING QUALITY, WITH G90 ZINC COATING. SHEET STEEL SHALL COMPLY WITH ASTM A653 STANDARD SPECIFICATION FOR STEEL SHEET METAL, ZINC COATED (GALVANIZED) OR ZINC—IRON ALLOY—COATED (GALVANNEALED) BY HOT DIP PROCESS, AND A924 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR SHEET, METALLIC—COATED BY HOT DIP PROCESS. ALL ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. CONNECTIONS TO WALLS OR FLOOR SHALL BE AIR TIGHT WITH ANGLE IRON AND CAULKING. SEAL ALL DUCT SEAMS, TRANSVERSE AND LONGITUDINAL, AIR TIGHT. PROVIDE TURNING VANES AT ALL 90° ELBOWS.

REFRIGERANT PIPING: TYPE ACR HARD DRAWN COPPER TUBING MEETING THE REQUIREMENTS OF ASTM B280, WITH WROUGHT COPPER FITTINGS MEETING REQUIREMENTS OF ANSI B16.22, WITH BRAZED JOINTS MEETING REQUIREMENTS OF AWS A 5.8, USING BAG-1 (SILVER) FILLER MATERIAL. INSULATE SUCTION LINE PIPING WITH 1" THICK ARMAFLEX TYPE AP. PAINT INSULATION LOCATED OUTDOORS WITH ARMAFLEX WB FINISH.

ROUND SHEET METAL DUCT: PROVIDE SPIRAL SEAM (ALL SIZES) OR SNAP LOCK (CONCEALED DUCT SIZES UP TO 10") GALVANIZED STEEL COMPLYING WITH SMACNA STANDARDS. SPIRAL SEAM DUCTWORK SHALL HAVE SMACNA SEAM TYPE RL-1.

FLEXIBLE DUCT: PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH 1" THICK 1 PCF FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER. FLEXIBLE DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50, AND SHALL BE RATED FOR MINIMUM 2" W.G. PRESSURE AND 0 TO 250°F TEMPERATURE. PROVIDE SCREW-OPERATED METAL ADJUSTABLE CLAMPING DEVICES. USE TWIST-LOCK TAP COLLARS AT CONNECTIONS INTO SHEET METAL DUCTWORK. MAXIMUM EXTENDED LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 6 FEET.

DUCT SEALANT: PROVIDE WATER BASED SYNTHETIC LATEX EMULSION PERMANENTLY FLEXIBLE HIGH VELOCITY DUCT SEALANT, DUCTMATE INDUSTRIES INC., PRO SEAL OR EQUAL. SEALANT TO BE LOW VOC LEED COMPLIANT CAPABLE OF 15" W.G., NFPA 90A AND 90B APPROVED, UL 181B-M LISTED AND UL 723 CLASSIFIED. INSTALL PER MANUFACTURER INSTRUCTIONS. SEALANT SHALL BE APPROVED FOR PLENUM INSTALLATIONS AND MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS FOR PLENUM APPLICATIONS.

DUCT INSULATION (ALL ROUND SUPPLY DUCT AND ROUND RETURN DUCT ABOVE CEILING): PROVIDE MINIMUM 1-1/2" THICK BLANKET TYPE FIBERGLASS INSULATION COMPLYING WITH ASTM C-553, TYPE II, WITH FACTORY APPLIED KRAFT BONDED TO ALUMINUM FOIL, REINFORCED WITH FIBERGLASS VAPOR BARRIER/JACKET. JACKET SHALL CONFORM TO ASTM C-1136, TYPE II. INSTALLED R VALUE SHALL BE 4.2 OR HIGHER WITH 0.75 PCF DENSITY.

DUCT LINER (ALL RECTANGULAR SUPPLY AND RETURN DUCT): PROVIDE MINIMUM 1" THICK, 2 PCF DENSITY, LONG TEXTILE FIBER TYPE DUCT LINER, WITH COATING ON AIR STREAM SIDE CONFORMING TO NFPA 90A. DUCT LINER SHALL BE SECURED TO DUCT WITH BOTH ADHESIVE AND MECHANICAL FASTENERS. ADHESIVE SHALL BE LEED COMPLIANT LOW VOC AS RECOMMENDED BY DUCT LINER MANUFACTURER, AND SHALL COMPLY WITH ASTM C-916. DUCT LINER FASTENERS SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS", LATEST EDITION. THERMAL CONDUCTIVITY SHALL BE EQUAL TO OR LESS THAN 0.24 AT 75°F.

ROUND VOLUME DAMPERS: PROVIDE MINIMUM 20 GAUGE GALVANIZED STEEL FRAME AND BLADES, MINIMUM 3/8" SQUARE STEEL AXLE, MOLDED SYNTHETIC BEARINGS, WITH LOCKING POSITION REGULATOR. REGULATOR SHALL BE POSITIONED WITH SHEET METAL BRACKET BEYOND DUCT COVERING. WHERE POSITIONING REGULATOR IS NOT ACCESSIBLE, PROVIDE COUPLING AND EXTENSION ROD WITH REGULATOR FOR CEILING OR WALL INSTALLATION, AS REQUIRED.

RECTANGULAR VOLUME DAMPERS: PROVIDE MINIMUM 16 GAUGE GALVANIZED STEEL CHANNEL FRAME, 16 GAUGE GALVANIZED STEEL BLADES, MINIMUM 1/2" HEXAGONAL AXLE, MOLDED SYNTHETIC BEARINGS, WITH 3/8" SQUARE PLATED STEEL CONTROL SHAFT. LINKAGES SHALL BE CONCEALED IN FRAME. OPERATING SHAFT SHALL EXTEND BEYOND FRAME AND DUCT TO A LOCKING QUADRANT WITH ADJUSTABLE LEVER. MAXIMUM BLADE WIDTH SHALL NOT EXCEED 6".

DUCT TURNING VANES: PROVIDE FABRICATED TURNING VANES AND VANE RUNNERS CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". PROVIDE TURNING VANES CONSTRUCTED OF CURVED BLADES, SUPPORTED WITH BARS PERPENDICULAR TO BLADES, AND SET INTO SIDE STRIPS SUITABLE FOR MOUNTING IN DUCTWORK. FOLLOW SMACNA GUIDELINES FOR SPACING SUPPORT, AND CONSTRUCTION. ALL BLADES SHALL BE DOUBLE THICKNESS AIRFOIL TYPE.

FLEXIBLE DUCT CONNECTORS: PROVIDE UL LABELED 30 OUNCE NEOPRENE COATED FIBERGLASS FABRIC DUCT CONNECTORS AT DUCT CONNECTIONS TO VIBRATING EQUIPMENT.

DUCT ACCESS DOORS: PROVIDE HINGED ACCESS DOORS IN DUCTWORK WHERE REQUIRED FOR ACCESS TO EQUIPMENT. PROVIDE INSULATED ACCESS DOORS FOR INSULATED DUCTWORK. CONSTRUCT OF SAME OR THICKER GAUGE SHEET METAL AS DUCT IN WHICH IT IS INSTALLED. PROVIDE FLUSH FRAMES FOR UNINSULATED DUCTS, AND EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCTS. PROVIDE CONTINUOUS HINGE ON ONE SIDE, WITH ONE HANDLE—TYPE LATCH FOR ACCESS DOORS 12" HIGH AND SMALLER, AND TWO HANDLE—TYPE LATCHES FOR LARGER ACCESS DOORS.

DUCT ACCESS DOORS: PROVIDE HINGED ACCESS DOORS IN DUCTWORK WHERE REQUIRED FOR ACCESS TO EQUIPMENT. PROVIDE INSULATED ACCESS DOORS FOR INSULATED DUCTWORK. CONSTRUCT OF SAME OR THICKER GAUGE SHEET METAL AS DUCT IN WHICH IT IS INSTALLED. PROVIDE FLUSH FRAMES FOR UNINSULATED DUCTS, AND EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCTS. PROVIDE CONTINUOUS HINGE ON ONE SIDE, WITH ONE HANDLE—TYPE LATCH FOR ACCESS DOORS 12" HIGH AND SMALLER, AND TWO HANDLE—TYPE LATCHES FOR

MECHANICAL PIPING IDENTIFICATION: PROVIDE PIPE MARKERS, FLOW ARROWS AND ENGRAVED PLASTIC—LAMINATE SIGNS FOR MECHANICAL PIPING AND VALVES TO COMPLY WITH ANSI A13.1. PROVIDE ONLY ONE TYPE OF PIPE MARKERS AND FLOW ARROWS FOR ALL SYSTEMS.

LARGER ACCESS DOORS.

GREASE EXHAUST DUCTWORK: FACTORY FABRICATED DOUBLE WALL DUCTWORK COMPLIANT WITH UL 2221 AND UL 1978. SEE HOOD SYSTEM DRAWINGS FOR MORE INFORMATION.

COMPOSITE GREASE DUCT FIRE PROTECTION INSULATION ASSEMBLY: PROVIDE FLEXIBLE BLANKET—TYPE INSULATION COMPOSED OF FIBER BLANKET ENCAPSULATED IN AN ALUMINUM FOIL SCRIM, PROVIDING A NONCOMBUSTIBLE WRAP TO PROVIDE A VAPOR AND DUST BARRIER. DUCT WRAP SYSTEM SHALL HAVE FLAME SPREAD INDEX OF NOT MORE THAN 5 AND SMOKE DEVELOPED INDEX NOT EXCEEDING 5, WHEN TESTED PER ASTM E—84 METHOD. INSULATION AND JACKET SHALL BE RATED FOR OPERATING TEMPERATURES UP TO 2000°F. DUCT WRAP SYSTEM MUST COMPLY WITH ALL FIVE FIRE TESTS OF STANDARD ASTM E2336, GREASE DUCT ENCLOSURE SYSTEM, AND THE DUCT FIRESTOP SYSTEM SHALL BE ASTM E 814 CLASSIFIED. PROVIDE COMPOSITE GREASE DUCT FIRE PROTECTION INSULATION FROM ONE OF THE FOLLOWING: THERMAL CERAMICS FIREMASTER FASTWRAP XL, UNIFRAX FYREWRAP 2.0 MAX.

MECHANICAL EQUIPMENT IDENTIFICATION: PROVIDE ENGRAVED PLASTIC LAMINATE LABEL FOR EACH MAJOR ITEM OF MECHANICAL EQUIPMENT AND EACH OPERATIONAL DEVICE. LETTERS SHALL BE MINIMUM OF 1/2" HIGH. PROVIDE SIGNS TO INFORM OPERATOR OF OPERATIONAL REQUIREMENTS, TO INDICATE SAFETY AND EMERGENCY PRECAUTIONS, AND TO WARN OF HAZARDS AND IMPROPER OPERATION.

TESTING AND BALANCING: TEST AND ADJUST ALL MECHANICAL SYSTEMS AND EQUIPMENT TO ASSURE PROPER BALANCE AND OPERATION. PERFORM TESTS IN ACCORDANCE WITH THE MOST CURRENT NEBB OR AABC, AND ASHRAE STANDARDS. ELIMINATE OBJECTIONABLE NOISE AND VIBRATION, AND ASSURE PROPER FUNCTION OF CONTROLS. BALANCING CONTRACTOR SHALL BE AN INDEPENDENT CERTIFIED TEST AND BALANCE CONTRACTOR, WITH NEBB OR AABC CERTIFICATION. SUBMIT COMPLETED AND CERTIFIED TEST AND BALANCE REPORT TO OWNER'S REPRESENTATIVE. BALANCE ALL SYSTEMS TO WITHIN 5% OF AIR FLOWS INDICATED ON THE DRAWINGS, AND REPORT DISCREPANCIES TO HVAC INSTALLER FOR CORRECTION. MARK FINAL BALANCE POSITIONS ON DAMPERS WITH PERMANENT MARKER.

OPERATIONS AND MAINTENANCE MANUALS (0&M): AT COMPLETION OF PROJECT PROVIDE A MINIMUM OF TWO 0&M MANUALS IN THREE RING BINDERS TO OWNER/TENANT. MANUALS SHALL HAVE TABS LABELED WITH ALL SECTIONS SEPARATED WITH A CLEAR INDEX AT FRONT. PROVIDE WARRANTY LETTER AT FRONT OF MANUAL STATING DATES OF WARRANTY (START DATE AND END DATE) AND CONTACTS WITH PHONE NUMBERS FOR WARRANTY WORK. PROVIDE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE INCLUDING RECOMMENDED SETPOINTS. MANUALS SHALL INCLUDE SUBMITTALS OF ALL EQUIPMENT, SIZE AND OPTIONS SELECTED. PROVIDE ALL BALANCING REPORTS. PROVIDE MANUFACTURER LITERATURE FOR OPERATIONS AND MAINTENANCE FOR ALL EQUIPMENT ON PROJECT. ALL PERIODIC AND ROUTINE MAINTENANCE SHALL BE CLEARLY IDENTIFIED. PROVIDE CONTROLS SECTION LISTING SYSTEM OPERATING AND CONTROL INSTRUCTIONS, MAINTENANCE, CALIBRATION, WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS.

SHOP DRAWINGS/SUBMITTALS: SUBMIT ELECTRONIC SUBMITTALS AND SHOP DRAWINGS VIA EMAIL AS PDF ELECTRONIC FILES. PROVIDE SEPARATE PDF SUBMITTALS ON ALL MECHANICAL EQUIPMENT (INCLUDING CONTROLS PACKAGES), AIR DISTRIBUTION DEVICES, DUCTWORK, DAMPERS, AND INSULATION. SUBMITTALS AND SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING INFORMATION:

- PROJECT NAMEDATE
- NAME AND ADDRESS OF ARCHITECT AND MEP ENGINEER
 NAME OF CONSTRUCTION MANAGER
- NAME OF CONTRACTOR
 NAME OF FIRM OR ENTITY THAT PREPARED SUBMITTAL
- NAMES OF SUBCONTRACTOR, MANUFACTURER, AND SUPPLIER.
 CATEGORY AND TYPE OF SUBMITTAL
- SUBMITTAL PURPOSE AND DESCRIPTION
 MANUFACTURER NAME
- PRODUCT NAME
 DRAWING NUMBER AND DETAIL REFERENCES. AS APPROPRIATE
- INDICATION OF FULL OR PARTIAL SUBMITTAL
 TRANSMITTAL NUMBER
- TRANSMITTAL NUMBERREMARKS

IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SHOP DRAWINGS AND SUBMITTALS. FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES. SHOW DISTRIBUTION ON TRANSMITTAL FORMS.

SUBMITTALS SHALL INCLUDE (AS APPLICABLE): • MANUFACTURER'S CATALOG CUTS

- MANUFACTURER'S CATALOG CUTS
 MANUFACTURER'S PRODUCT SPECIFICATIONS
 STATEMENT OF COMPLIANCE WITH SPECIFIED REFERENCED STANDARDS
- TESTING BY RECOGNIZED TESTING AGENCYAPPLICATION OF TESTING AGENCY LABELS AND SEALS
- WIRING DIAGRAMS SHOWING FACTORY—INSTALLED WIRINGPERFORMANCE CURVES
- OPERATIONAL RANGE DIAGRAMS
 CLEARANCES REQUIRED TO OTHER CONSTRUCTION, IF NOT INDICATED ON SHOP DRAWINGS.
- FULL SIZE SHOP DRAWINGS SHALL INCLUDE (AS APPLICABLE):

 IDENTIFICATION OF PRODUCTS
- SCHEDULES
 COMPLIANCE WITH SPECIFIED STANK
- COMPLIANCE WITH SPECIFIED STANDARDSNOTATION OF COORDINATION REQUIREMENTS
- NOTATION OF DIMENSIONS ESTABLISHED BY FIELD MEASUREMENT
 RELATIONSHIP AND ATTACHMENT TO ADJOINING CONSTRUCTION CLEARLY INDICATED.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUCT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION.

MECHANICAL SYMBOLS LEGEND

ABBREVIATIONS:

- AHJ AUTHORITY HAVING JURISDICTION
- BRITISH THERMAL UNIT
- CFM CUBIC FEET PER MINUTE
- DB DRY BULB
- EA EXHAUST AIR
- EAT ENTERING AIR TEMPERATURE
- ESP EXTERNAL STATIC PRESSURE
- GC GENERAL CONTRACTOR
- HZ FREQUENCY
- LAT LEAVING AIR TEMPERATURE
- MC MECHANICAL CONTRACTOR

WET BULB

NC NOISE CRITERIA

RTU ROOFTOP UNIT

GRILLES/DIFFUSERS:

SUPPLY DIFFUSER

RETURN GRILLE

DOUBLE LINE DUCT SYMBOLS:

NEW SHEET METAL DUCTWORK & SIZE

SUPPLY OR OUTSIDE AIR DUCT

RETURN AIR DUCT

EXHAUST AIR DUCT

EXHAUST GRILLE



SUPPLY DUCT ELBOW UP OR DOWN

RETURN DUCT ELBOW UP OR DOWN

EXHAUST DUCT ELBOW UP OR DOWN

DUCT ELBOW WITH FIXED TURNING VANES

DUCT BRANCH TAKE-OFF

ROUND SPIN-IN WITH DAMPER

VOLUME DAMPER

FLEXIBLE DUCTWORK

GENERAL REFERENCES/NOTATIONS:

SQUARE NOTE DESIGNATION

REVISION DESIGNATION

TYPE MECHANICAL EQUIPMENT DESIGNATION

FACTORY—INSTALLED WIRING

AMS

OTHER CONSTRUCTION, IF NOT

CFM

EQUIPMENT:

ROOF MOUNTED EXHAUST FAN

ROOFTOP UNIT

TEMPERATURE SENSOR

DUCT SMOKE DETECTOR

THERMOSTAT - ELECTRIC

TEMPERATURE/HUMIDITY SENSOR

SYMBOLS LEGEND NOTES: 1. REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

No. Date (mm/dd/yy) Description

ISSUE TABLE

REVISIONS No. Date Description 1 8/01/2023 RESPONSE TO CITY 2 9/04/2023 HEALTH COMMENTS 3 9/12/2023 RESPONSE TO CITY

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



PROJECT NORTH

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES.

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

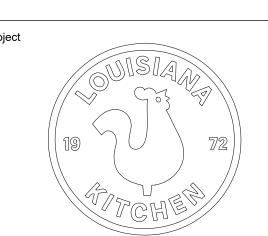


9.13.2023

Company Logo



TEL: 214-343-9400 <u>www.dimensiongrp.com</u>



POPEYES

US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

MECHANICAL SPECIFICATIONS

		₹
Drawn	Checked	S
NI	АН	
Scale	Date] <u>`</u>
1/4" = 1'-0"	JUNE 2023	ÆS
Project No.	Drawing No.	Ì́ш
C22-129	MS1.1	Š

GENERAL NOTES

- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY AND THE AUTHORITY HAVING JURISDICTION. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS
- E. PROVIDE WATER HAMMER ARRESTORS THROUGHOUT WATER SYSTEMS AS REQUIRED PER "WATER HAMMER ARRESTERS" DETAIL.
- F. PROVIDE BACKFLOW PREVENTION DEVICES IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY AUTHORIT HAVÍNG JURISDICTION. USE DEVICES OF APPROVED MANUFACTURER AND TYPE IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- G. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES IS LESS THAN 60 PSIG STATIC, CONTACT OWNER'S REPRESENTATIVE. IF PRESSURE EXCEEDS 80 PSIG, PROVIDE
- H. SUSPEND HORIZONTAL SERVICE PIPING FROM UNDERSIDE OF ROOF OR FLOOR STRUCTURE UNLESS OTHERWISE INDICATED. INSTALL PIPING AS HIGH AS POSSIBLE EXTEND PIPING DOWN IN WALLS, PARTITIONS AND CHASES TO SERVE FIXTURES AND
- VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITY COMPANIES AND/OR CIVIL ENGINEER, AS APPLICABLE.
- WATER ENTRY SERVICE PIPING, NEW AND/OR REVISED. CONTRACTOR SHALL ENSURE AND PROVIDE MINIMUM 10'-0" LINÉAR FEET ÓF METAL PIPING MATERIAL BELOW GRADE IN CONTACT WITH EARTH FOR CONNECTION OF ELECTRICAL SERVICE GROUNDING.
- K. PLUMBING CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEDES WITH A MINIMUM OF INTERFERENCE
- L. FLOOR DRAINS SHALL HAVE 6" DEEP SEAL TRAPS.
- M. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING WATER SUPPLY TO THE COFFEE MAKERS, TEA BREWERS, AND ICE MACHINES.
- N. WRAP ALL CONDENSATE PIPE IN FREEZER WITH HEAT TRACING TAPE AND INSULATE ALL CONDENSATE DRAIN PIPING. ROUTE COOLER CONDENSATE DRAIN PIPING TO HUB DRAIN/FLOOR DRAIN AS INDICATED.
- O. POT SINKS SHALL BE ANCHORED TO WALL AND SEALED WITH SILICONE CAULKING.
- P. INSTALL GAS VALVE (FBC) IN GAS LINE TO COOKING EQUIPMENT. INTERLOCK WITH HOOD FIRE PROTECTION SYSTEM. VERIFY REQUIREMENTS WITH HOOD SUPPLIER. INSTALL UNIONS AT THE SOLENOID VALVE.
- Q. PROVIDE SHUTOFF COCKS, QUICK DISCONNECTS AND FLEXIBLE LINES AT GAS EQUIPMENT. R. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS.
- S. PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
- T. LAVATORY FAUCETS SHALL LIMIT HOT WATER FLOW TO 0.5 GPM AND HOT WATER TEMPERATURE TO 110° F
- U. PROVIDE 1"Ø SCH 40 BLACK STEEL PIPE FOR GREASE DISCHARGE. RUN LINE FLUSH ON WALL BESIDE FRYERS, VERTICALLY UP IN WALL THROUGH CEILING. SLOPE LINE @ 1"/FI TOWARDS REAR OF BUILDING. RUN LINE DOWN THROUGH CEILING ON FACE OF EXTERIOR WALL TO 75" AFF THEN THROUGH REAR WALL FOR DISCHARGE. HEAT TAPE SHALL BE INSTALLED ON ENTIRE LINE @ 5 WATTS/LINEAR FT. $\,$ G.C. TO PROVIDE STAINLESS STEEL COVERS FOR LINE MOUNTED FLUSH ON WALLS (ENTIRE LENGTH -

MFG: PARKUSA 888-611-PARK www.ParkUSA.com

WHERE EXCESSIVE GREASE MAY INTERFERE WITH THE PROPER DRAINAGE OF THE SEWER

SYSTEM. THE GREASE INTERCEPTOR IS GENERALLY BURIED BELOW GRADE FOR GRAVITY FLOW

CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. (MONOLITHIC

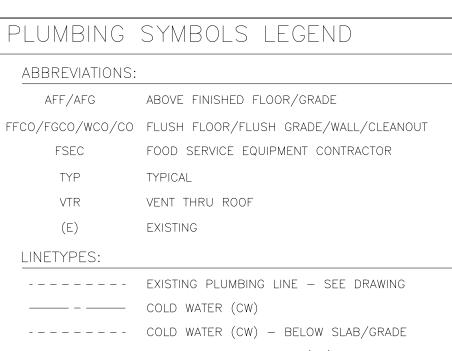
BAFFLE REQUIRED, SLIDE-IN TYPE IS NOT ACCEPTABLE)

CLASS 30. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER AND BE TRAFFIC DUTY.

SEWER SYSTEMS. A SAMPLE WELL IS UTILIZED ON THE OUTLET SIDE FOR SAMPLING BY THE

REINFORCEMENT: GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL

SPECIFICATIONS



——— – – HOT WATER (HW) 140° ----- HOT WATER RETURN (HWR) ------ G ------ NATURAL GAS LINE ——— D———— CONDENSATE LINE (D) ---- PLUMBING VENT (V) — — — — PLUMBING VENT (V) — BELOW SLAB/GRADE ——— SANITARY WASTE (SAN) — BELOW SLAB/GRADE

----- WATER HEATER VENT ----- SODA CHASE ---- USED COOKING OIL

----- OST ----- OVERFLOW STORM LINE (OST)

GENERAL REFERENCES/NOTATIONS:

01/P1 DETAIL OR SECTION /#\ REVISION

CONNECT TO EXISTING

PLAN NOTE

(####) FOOD SERVICE EQUIPMENT HVAC EQUIPMENT

PIPE SYMBOLS:

PIPE UP/DOWN \—\D\—\D\—\D\—\BALL/PLUG VALVE TEE UP/DOWN LIVE BALANCING/CHECK VALVE END CAP

SYMBOLS LEGEND NOTES: REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

FROM KITCHEN WASTE

—4" VENT

-x" воот

X" INLET

CAST IRON FRAME & COVER (TYP-2)

GT-4000 4,000 9,300 38,100 16'-0" 8'-6" 7'-0" 5'-9" 5'-6"

THE GREASE INTERCEPTOR IS STRUCTURALLY & HYDRAULICALLY ENGINEERED TO CONFORM TO

SHOP DRAWINGS SHALL INCLUDE COMPLETE STRUCTURAL & BOUYANCY CALCULATIONS

CONSULT WITH PARKUSA COMPANY FOR EXACT EXCAVATION DIMENSIONS &

GREASE INTERCEPTOR SERIES GT

500 THRU 4000 GALLON CAPACITY

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION

CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER UPON REQUEST.

ENGINEERING DATA

AUTHORITIES FOR SPECIFIC APPLICATION REQUIREMENTS.

6" VENT SLEEVE

LIQUID SURFACE-

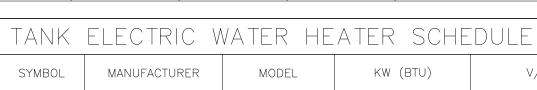
- MONOLITHIC BAFFLE

GREASE SENSOR

-6" PVC DOUBLE TEE MANIFOLD

<u>PLAN VIEW</u>

<u>ELEVATION</u>



PLUMBING FIXTURE SCHEDULE

MANUF.

AMFRICAN

STANDARD

AMERICAN

STANDARD

WOODFORD

ZURN

ZURN

SIOUX CHIFF

WATTS

SYMMONS

MODEL

3043.001

"MADERA"

LUCERNE

MODEL 65

Z886-SOG

832-35D-NR

RD - 250

Z199

P1 - 500

7-225-CK

"MAXLINE"

 $\#Z1900-3NH-K \mid 3"$ BOTTOM OUTLET

#ZN415-B-3N | ADJUSTABLE STRAINER & 3" BOTTOM OUTLET.

SELF LOCKING CAST IRON DOME, AND NO HUB

ALL NICKEL BRONZE BODY WITH DECORATIVE

FACE OF WALL FLANGE AND OUTLET NOZZLE.

SERVICE UP TO FOUR FLOOR DRAINS WITH

/2" INLETS AND OUTLET, THERMOSTATIC

BODY WITH DUAL STAINLESS STEEL STRAINER,

VANDAL RESISTANT TEMPERATURE ADJUSTMENT

DISTRIBUTION UNIT.

OUTLETS. PROVIDE OUTLET SIZE AS SHOWN ON

AUTOMATIC OPERATION, 1/2" INLET AND OUTLET.

#0356.921.020 EBF-650 4" CENTER SET, BATTERY POWERED

SYMBOL | FIXTURE TYPE

WATER CLOSET

(ACCESSIBLE)

LAVATORY

(ACCESSIBLE)

FROST PROOF

WALL HYDRANT

TRENCH DRAIN

FLOOR SINK

ROOF DRAIN

DOWNSPOU

NOZZLE

TRAP PRIMER

MIXING VALVE

FLOOR DRAIN | SIOUX CHIEF /

<u>FPWH</u>

<u>FS</u>

<u>DSN</u>

V/PH GPH @ 70°F RISE SET POINT (°F) NOTES (#) RHEEM ES120-24-G 208/3 (1), (2), (3) $\underline{\mathsf{WH}-1}$ (51,183)NOTES:

WATER HEATER TANK SHALL HAVE A WORKING PRESSURE OF 150PSI, PER MANUFACTURER'S REQUIREMENTS. 2. FURNISH WITH EXPANSION TANK AS SPECIFIED ON PLANS. D HOT WATER LINES

HANDLE.

3.	PROVIDE	WITH	1-1/2"	COLD	WATER	AND
EXPAN	SION	$\top \wedge$	ANK	SCH	HEDL	JL

		\ JUILDULL	_					
SYMBOL	MANUFACTURER	MODEL	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	CONNECTION LOCATION	CONNECTION SIZE	MOUNTING	NOTES (#)
<u>ET</u>	AMTROL	ST-5	2	.45	TOP	3/4"	NEAR WH-1	(1), (2)
NOTES:								

1. EXPANSION TANK: STEEL SHELL, HEAVY DUTY BUTYL NSF/ANSI 61, FACTORY PRECHARGED TO 40 PSIG. MAX OPERATING TEMPERATURE 100°, MAX OPERATING PRESSURE 150 PSI, 1 YEAR MANUFACTURER'S WARRANTY. INSTALL PER MANUFACTURER'S INSTRUCTIONS. 2. FIELD CHARGE EXPANSION TANK TO SYSTEM PRESSURE BEFORE CONNECTION TO DOMESTIC WATER SYSTEM. FIELD VERIFY PRESSURE REQUIREMENTS.

PUMP	SCHEDULE	
0) (1 1 1 0 0 1	NANULEA OTUBED	

NOTES (#) HEAD (FT) MODEL GPM VOLTAGE PHASE WATTS AMPS SYMBOL MANUFACTURER <u>RCP</u> ALPHA2 115 GRUNDFOS 5 - 65 0.65 NOTES:

1. RECIRCULATING PUMP: BRONZE BODY RECIRCULATING PUMP WITH "AUTOADAPT" VARIABLE SPEED MOTOR. INSTALL NEAR WATER HEATER PER MANUFACTURER'S INSTRUCTIONS. PROVIDE WITH ALPHA 3-PRONG PLUG AND COORDINATE CONNECTION WITH ELECTRICAL CONTRACTOR. PROVIDE WITH HONEYWELL L6006C SURFACE MOUNT AQUASTAT SET TO 5°F BELOW WATER HEATER OPERATING TEMPERATURE.

HEAT TRACING

86.03

SYMBOL	MANUFACTURER	MODEL	TEMP	LENGTH (MAX)	VOLTAGE	PHASE	WATTS/FOOT	AMP (MAX)	NOTES (#)
<u>HC</u>	RAYCHEM	8XL2-CR/CT	105°F	350	208	1	8	15	(1), (2)
NOTES:	CELE DECLILATING LIE								

1. SELF-REGULATING HEATING CABLE TO MAINTAIN TEMPERATURE OF USED COOKING OIL LINE. REFER TO PLANS FOR ROUTING. MAXIMUM CIRCUIT LENGTH IS 350'-0" OF CABLE. 208-1V AT 8W/FT (2800 WATT / 15 AMP MAX). 2. PROVIDE WITH EC-W-GF CONTROLLER WITH GROUND FAULT PROTECTION, AND NECESSARY COMPONENTS TO PUT IN WORKING ORDER. INSTALL CABLE PER MANUFACTURER'S RECOMMENDATIONS.

	TH (IN)	WIDTH (IN)	DEPTH (IN)	VOLUME (IN^3)	GPH (@37.5%)
		15	14		
MNF. RAT	/			12600	20.45
	TE (GPM)	WATER USAGE (GPH)	STD. RATE (GPM)	GPH	COMBINED GPH
1.1	15	32	2.5	14.72	29.44
0.	.5	5	2.2	1.14	1.14
2.	.2	5	2.2	5.0	15.0
2.	.2	5	2.2	5.0	5.0
				15.0	15.0
	-			29.6	0.0
				TOTAL GPH	86.03
	2.	0.5 2.2 2.2 	0.5 5 2.2 5 2.2 5	0.5 5 2.2 2.2 5 2.2 2.2 5 2.2	0.5 5 2.2 1.14 2.2 5 2.2 5.0 2.2 5 2.2 5.0 15.0 29.6 TOTAL GPH

8.33

98%

3412

15.0

1.002

				FOODS	SERVICE PLUMBING SCHEDULE	
	DESCRIPTION	ACCESSORIES/OPTIONS		ID	DESCRIPTION REM.	ARKS
		, led 2335 M23/ 61 Hollo		A10.30	MULTIPLE FRYER SYSTEM, GAS	
	FLOOR MOUNT, WHITE VITREOUS CHINA, 1.1—1.6 GPF ELONGATED SIPHON JET BOWL, 1—1/2" TOP			A24.U2	MULTIPLE FRYER SYSTEM, GAS	
	SPUD, & RIM HEIGHT 17" A.F.F. PROVIDE WITH SLOAN MANUAL DUAL FLUSH 1.6/1.1 GPF WATER	MAINLINE #ML1055SSC00 WHITE OPEN FRONT		A35.00	1 COMPARTMENT SINK	
	CLOSET FLUSH VALVE. PROVIDE FLUSH LEVER	ELONGATED TOILET SEAT LESS COVER.		A35.10	PRE-RINSE FAUCET ASSEMBLY	
	ON ACCESSIBLE SIDE. INSTALL IN ACCORDANCE TO ADA ACCESSIBILITY REQUIREMENTS.			C10.32	POPEYES DUAL SIDE SANDWICH PREP	
	·	PROVIDE WITH QUARTER TURN BRASS ANGLE		D29.00	PACKING TABLE, DOUBLE SIDED	
	WALL HUNG, 20"X18" WHITE VITREOUS CHINA,	COMPRESSION STOPS WITH LOOSE KEY HANDLES, STAINLESS BRAIDED SUPPLIES, CHROME		D40.00	3 COMPARTMENT SINK	
20	BACK OVERFLOW. PROVIDE WITH SLOAN EBF—650 4" CENTER SET, BATTERY POWERED	ESCUTCHEONS, CHROME GRID STRAINER DRAIN		D40.01	PRE-RINSE FAUCET ASSEMBLY	
SEN 0.3	SENSOR FAUCET WITH FACTORY SET 0.175 GPC	WITH TAILPIECE, & CHROME PLATED CAST BODY P-TRAP WITH CLEANOUT. INSULATE WASTE AND WATER PIPING WITH TRUEBRO "LAV-GUARD2" #101-EZ. FURNISH WITH ZURN #Z-1231-81 LAVATORY CARRIER.		D50.00	DISHWASHER	
	0.35 GPM AERATOR. INSTALL IN ACCORDANCE O ADA ACCESSIBILITY REQUIREMENTS.			D70.00	HOT WATER DISPENSER	
				D81.00	RETHERMALIZER	
	ANTI—SIPHON, AUTOMATIC DRAINING, WALL HYDRANT, NON—FREEZE INTEGRAL VACUUM	MOUNT 18" ABOVE FINISHED GRADE. PROVIDE APPROPRIATE MODEL FOR WALL THICKNESS AND SITE SPECIFIC TEMPERATURE REQUIREMENTS.		E10.00	WALK-IN COOLER/FREEZER	
	BREAKER ALL BRONZE INTERIOR PARTS KEY AF			E30.84	CHICKEN CRATE	
	· ,			H10.00	DUAL LINE PRODUCTION COUNTER	
	6-1/4"X24" HDPE TRENCH DRAIN WITH STAINLESS DECORATIVE GRATE. FIELD CUT			K10.00	ICE MAKER, CUBE-STYLE	
	TRENCH DRAIN AS REQUIRED. COORDINNATE FINISHED WIDTH AND LOCATION WITH ARCHITECT	SET TRENCH DRAIN LEVEL WITH FINISH FLOOR.		K11.00	ICE MAKER, CUBE-STYLE	
	PRIOR TO ISNTALLATION.			K15.00	ICE BIN	
		PROVIDE WITH TRAP PRIMER CONNECTION AND WITH ASSE 1072 APPROVED TRAP SEAL DEVICE.		K20.00	WATER FILTER SYSTEM	
₹	FLOOR DRAIN WITH 5" ROUND NICKEL BRONZE	TRAP SEAL DEVICE SHALL BE TRAP PROSET		K40.00	GREASE TANK	
N	ADJUSTABLE STRAINER & 3" BOTTOM OUTLET.	TRAPGUARD OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE		K41.00	CO TANK	
		DRAINS IN CUSTOMER AREAS WITH VANDAL RESISTANT SCREWS.		K42.00	BAG N BOX	
		TRESISTANT SONEWS.		K71.00	TEA BREWER	
	12" SQUARE TOP FLOOR SINK W/8" DEEP &	 SET FLOOR SINK LEVEL WITH FINISH FLOOR.		N10.00	HAND SINK	
-K	3" BOTTOM OUTLET			N20.00	MOP SINK	
	CAST IRON COMBINATION ROOF DRAIN/OVERFLOW WITH DECK FLANGE, FLASHING CLAMPS WITH INTEGRAL GRAVEL GUARD, OVERFLOW STANDPIPE, SELF LOCKING CAST IRON DOME. AND NO HUB	INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. UNDERDECK CLAMP AND SUMP RECEIVER. FIELD VERIFY ROOF INSTALLATION		FOOD SERVICE FOR A COME	ULE IS A PARTIAL LISTING OF THE EQUIPMENT SUPPLIED CE EQUIPMENT CONTRACTOR (FSEC). REFER TO FSEC DE PLETE LISTING OF EQUIPMENT, TYPES, SIZES, AND LOCATION CONTRACTOR (PC) TO PROVIDE NECESSARY ITEMS TO INSTA	RAWINGS ONS.

REQUIREMENTS AND COORDINATE INSULATION

INSTALL IN ACCESSIBLE LOCATION WITH PRIMER

LOCATED MINIMUM OF 6" ABOVE FLOOD LEVEL

OF FLOOR DRAIN RIM. PROVIDE ACCESS PANEL

COORDINATE MOUNTING LOCATION WITH

ARCHITECTURAL ELEVATIONS.

AS REQUIRED.

LOCATION.

ONTROLLER WITH INTEGRAL CHECKS, ALL BRASS SET TO 105°F. MOUNT IN ACCESSIBLE

PLUMBING CONTRACTOR (PC) TO PROVIDE NECESSARY ITEMS TO INSTALL FSEC EQUIPMENT (INCLUDING VALVES, UNIONS, FITTINGS, ETC.) TO MAKE COMPLETE SYSTEM. THIS LISTING DOES NOT SUPERSEDE THE FSEC DRAWINGS.

BACKFLOW PREVENTER SCHEDULE						
LOCATION	TAG	MODEL	ASSE			
MAIN WATER SUPPLY	<u>RPZ</u>	WATTS 009QTS	1013			
CARBONATOR	<u>DCV-1</u>	WATTS SD-3	1022			
SODA DISPENSERS	DCV-2	WATTS SD-2	1032			
OTHER EQUIPMENT	DCV-3	WATTS SERIES 7	1024			

VERIFY BACKFLOW VALVE REQUIREMENTS AND APPROVAL FOR ALL EQUIPMENT WITH AUTHORITIES HAVING JURISDICTION PRIOR TO INSTALLATION.

GRAVITY GREASE INTERCEPTOR SIZING							
<u>FIXTURE</u>	QTY.	FLOW RATE (30 MIN)	TOTAL	FLOW RATE (15 MIN)	TOTAL		
FLOOR DRAIN	4	0.00	0.00	0.00	0.00		
FLOOR SINK	3	7.50	22.50	3.75	11.25		
MOP BASIN	1	140.25	140.25	70.13	70.13		
THREE COMP SINK	1	450.00	450.00	30.00	30.00		

TOTAL FIXTURE FLOW RATE (30 MIN)	612.75	CALCULATED FLOW RATE (GPM)	
TOTAL FIXTURE FLOW RATE (15 MIN)	103.88	42.00	
PIPE SIZE FLOW RATE (4 IN)	75	42.00	

NUMBER OF SEATS

AVG. MEALS PER SEAT PER DAY FAST FOOD - FULL PREP (HIGH / NO FLATWARE: 0.035 LBS PER SERVING)

[(CU IN / 231) = GAL X 0.75 / 2 MIN = 2 MIN FLOW RATE]

DAYS BETWEEN PUMP OUTS 90 SERVINGS PER DAY X GREASE PRODUCTION VALUE X DAYS BETWEEN PUMP-OUTS = GREASE OUTPUT

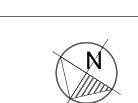
(LBS OF

<u>FOG)</u>

116.0

ISSUE TABLE Date Description (mm/dd/yy) **REVISIONS** No. Date Description 8/01/2023 RESPONSE TO CITY HEALTH COMMENTS 2 9/04/2023 3 9/12/2023 RESPONSE TO CITY

	ED AS PER DESIGN BULLETIN		
	No.	Date	Description



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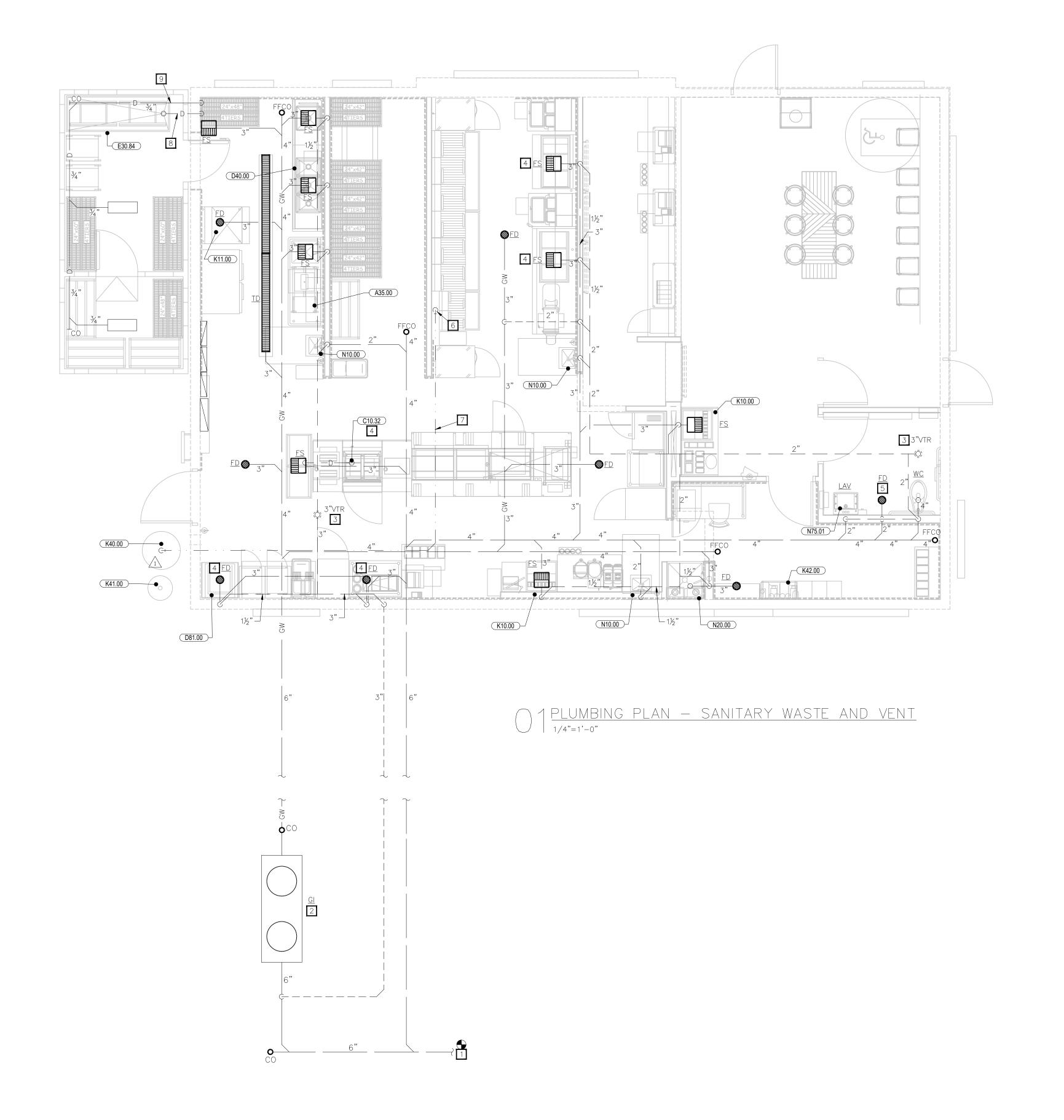
1517 NC 24-87

CAMERON, NC

PLUMBING SCHEDULES &

NOTES Checked

1/4" = 1'-0" **JUNE 2023** Project No Drawing No. C22-129 P1.1



PLUMBING KEY NOTES

CONNECT TO SANITARY WASTE LINE ON EXTERIRO OF BUILDING PROVIDED BY OTHERS. REFER TO CIVIL DRAWINGS FOR CONTINUATION.

PROVIDE 1500 GALLON GREASE INTERCEPTOR AS SHOWN PER PLANS.
REFER TO "GREASE INTERCEPTOR" DETAIL. LOCATE INTERCEPTOR
OUTSIDE OF DRIVE LANES. COORDINATE WITH CIVIL DRAWINGS FOR FINAL

PROVIDE SANITARY VENT THROUGH ROOF AS SHOWN PER PLAN PER "VENT THRU ROOF (VTR)" DETAIL. LOCATE VENT MINIMUM OF 10'-0" AWAY FROM AIR INTAKES ON ROOF, UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION.

PROVIDE DRAIN LINE FROM KITCHEN EQUIPMENT TO FLOOR SINK.
REFER TO KITCHEN EQUIPMENT PLANS.

5 EMERGENCY DRAIN IN RESTROOM SHALL BE INSTALLED FLUSH TO GRADE WITH NO SLOPE. COORDINATE INSTALLATION HEIGHT WITH GENERAL CONTRACTOR TO ENSURE PROPER INSTALLATION.

6 USED COOKING OIL LINE MOUNTED FLUSH AGAINST WALL @ 3'-0" AFF. REFER TO "USED COOKING OIL RECOVERY" DETAIL. G.C. SHALL PROVIDE STAINLESS STEEL COVER TO CEILING.

RECOMMENDATIONS. REFER TO PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION.

8 EXTEND CHICKEN VAT'S 2" COPPER INDIRECT WASTE LINE THROUGH COOLER WALL TO DISCHARGE INTO FLOOR SINK.

7 PROVIDE <u>HC</u> HEAT TRACE TAPE ON USED COOKING OIL LINE FROM BUILDING TO TANK. INSTALL HEAT TRACE PER MANUFACTURER'S

9 ROUTE FREEZER/COOLER CONDENSATE DRAIN TO FLOOR SINK PER "WALK-IN COOLER/FREEZER DRAIN" DETAIL.

DFU CALCULA	ATIONS		
FIXTURE	QTY.	DFU	TOTAL
WATER CLOSET	1	4	4
LAVATORY	1	1	1
MOP BASIN	1	3	3
HAND SINK	3	1	3
3" FLOOR SINK	9	5	45
3" TRENCH DRAIN (EMERGENCY)	1	-	_
2"/3" FLOOR DRAIN (EMERGENCY)	7	-	_
DFU VALUES PE	R IPC	DFU TOTAL	56.0

10001	TABLE		
No.	Date (mm/dd/yy)	Description	

REVISIONS					
No.	Date	Description			
1	8/01/2023	RESPONSE TO CITY			
2	9/04/2023	HEALTH COMMENTS			
3	9/12/2023	RESPONSE TO CITY			

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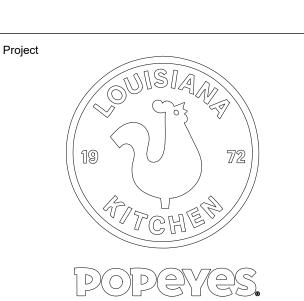
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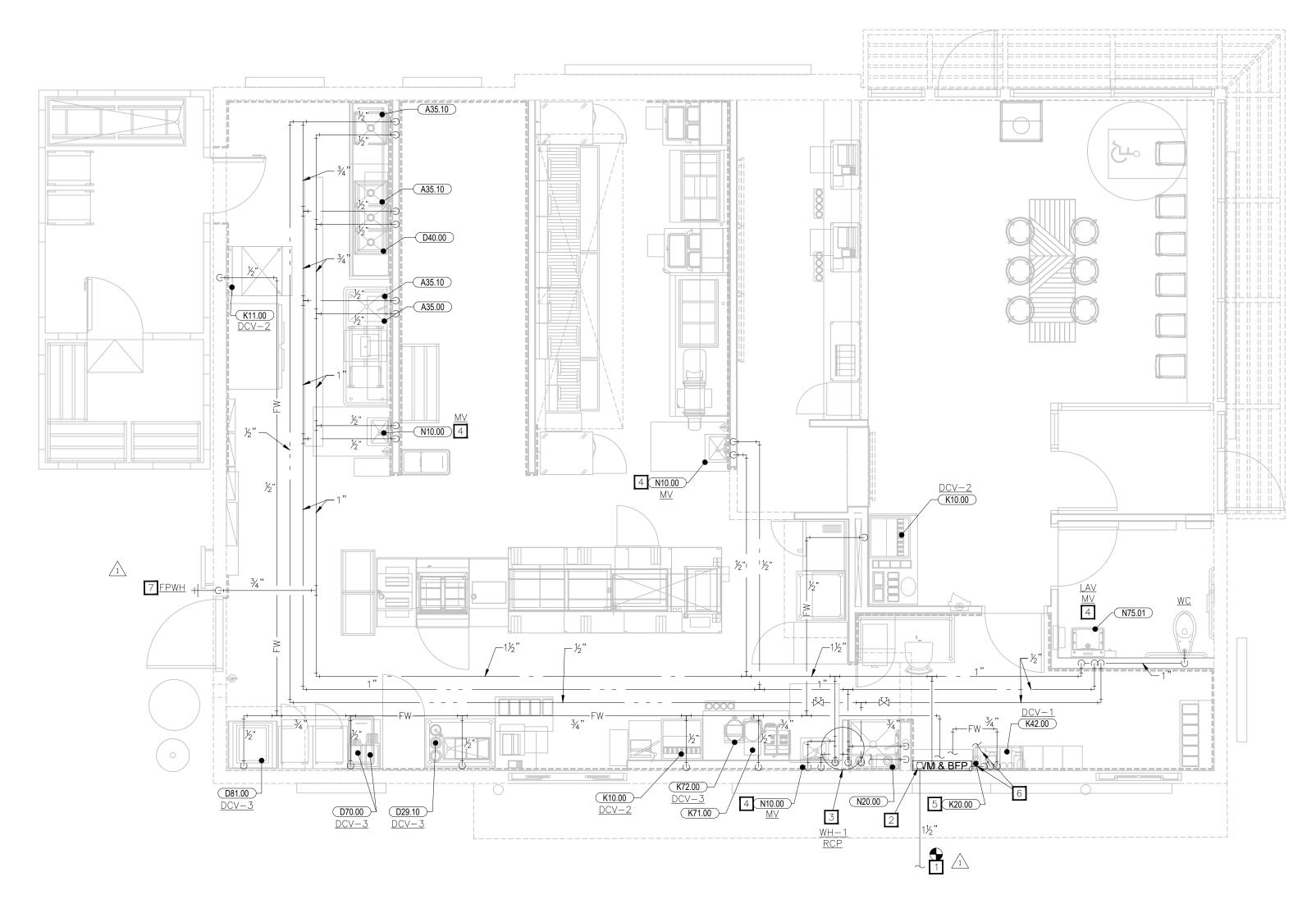
US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

Drawing Title

PLUMBING PLAN -SANITARY WASTE AND

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Scale	Date	
1/4" = 1'-0"	JUNE 2023	
Project No.	Drawing No.	
C22-129	P2.1	



1 PLUMBING PLAN - DOMESTIC WATER 1/4"=1'-0"

PLUMBING KEY NOTES

- WATER FILTER MOUNTED ON WALL. STUB-OUT WATER SUPPLY @ 8'-4"
 A.F.F. REFER TO "WATER FILTER" DETAIL.
- MOUNT FREEZE-PROOF WALL HYDRANT 18" ABOVE FINISHED GRADE.
 VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS.

WSFU	CALCULATIONS	
		Т

FIXTURE	QTY.	WSFU	TOTAL
WATER CLOSET (FLUSH)	1	10	10
LAVATORY	1	2	2
MOP BASIN	1	3	3
HAND SINK	3	2	6
1-COMP SINK	1	3	3
3-COMP SINK	1	3	3
WAREWASH	1	3	3
BEVERAGE STATION	2	2	4
ICE MAKER	3	1	3
HOT WATER DISPENSER	2	1	2.0
TEA BREWER	1	1	1.0
WSFU VALUES PI	ER IPC	WSFU TOTAL	40.00

CRITICAL ELEVATIONS AND DISTANCES: ELEVATION OF CONTROLLING FIXTURE (WH-1,2,3) ELEVATION OF FINISHED FLOOR	FEE1
ELEVATION OF WATER MAIN CONNECTION	
VERTICAL DIST. FROM WATER MAIN CONNECTION TO CONTROLLING FIXTURE	1
SYSTEM PRESSURE REQUIREMENTS:	PSI
ELEVATION (VERTICAL DISTANCE) X 0.434 PSI/FT	
PRESSURE NEEDED AT CONTROLLING FIXTURE	
BACKFLOW PREVENTER: 1-1/2" (INTERIOR**)	1
WATER METER: $1-1/2$ " (INTERIOR**)	
TOTAL	3
PIPE RUNS:	FEET
EXTERIOR, MAIN TO BUILDING ENTRY (VERIFY**)	2
INTERIOR, ENTRY TO CONTROLLING FIXTURE	
INTERIOR, VERTICAL RISE	1
ALLOWANCE FOR FITTINGS, ETC. (LENGTH X 0.25)	1
TOTAL	26

SYSTEM PRESSURE REQUIRED FOR SYSTEM PRESSURE AVAILABLE FOR (PIPING) FRICTION LOSS

PIPE SIZING: PRESSURE AVAILABLE X 100 / (TOTAL PIPE RUN)

* NOTE: ALL PIPING IS SIZED FOR 5 PSI/100' PRESSURE LOSS ** NOTE: FIELD VERIFY SYSTEM PRESSURE, LINE SIZES, BACKFLOW LOCATION, AND METER LOCATION PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF SYSTEM PRESSURE IS LOWER THAN REQUIRED PRESSURE OR ANY CONDITIONS EXIST THAT CONFLICT WITH INFORMATION

- CONNECT TO DOMESTIC WATER SERVICE 5'-0" OUTSIDE BUILDING PROVIDED BY OTHERS. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 2 PROVIDE WATER SERVICE ENTRANCE AS SHOWN PER PLANS. REFER TO "DOMESTIC WATER SERVICE ENTRY" DETAIL.
- 3 ROUTE 1" HW, 1" CW AND ¾" HWR LINES TO WATER HEATER, EXPANSION TANK, AND RECIRCULATING PUMP AS SHOW PER PLANS AND PER "TANK ELECTRIC WATER HEATER", "RECIRCULATION PUMP", AND "SMALL EXPANSION TANK" DETAILS. DISCHARGE T&P RELIEF VALVE AND OVERFLOW TO FLOOR DRAIN PER "INDIRECT DRAIN" DETAIL. PROVIDE VALVE AND UNION ON INLET AND OUTLET. PROVIDE BALANCING VALVES AS REQUIRED FOR RECIRCULATING SYSTEM.
- PROVIDE INDIVIDUAL MIXING VALVE FOR ALL HAND SINKS AND LAVATORIES IN AN ACCESSIBLE LOCATION.
- 6 BEVERAGE CONDUIT ABOVE CEILING TO DRINK STATION. REFER TO "BEVERAGE CONDUIT ABOVE SLAB" DETAIL.

SFU	CAL	CUII	ATIONS	

FIXTURE	QTY.	WSFU	TOTAL
WATER CLOSET (FLUSH)	1	10	10
LAVATORY	1	2	2
MOP BASIN	1	3	3
HAND SINK	3	2	6
1-COMP SINK	1	3	3
3-COMP SINK	1	3	3
WAREWASH	1	3	3
BEVERAGE STATION	2	2	4
ICE MAKER	3	1	3
HOT WATER DISPENSER	2	1	2.0
TEA BREWER	1	1	1.0
WSFU VALUES P	ER IPC	WSFU TOTAL	40.00

WATER CALCULATION

CRITICAL ELEVATIONS AND DISTANCES: ELEVATION OF CONTROLLING FIXTURE (WH-1,2,3) ELEVATION OF FINISHED FLOOR ELEVATION OF WATER MAIN CONNECTION VERTICAL DIST. FROM WATER MAIN CONNECTION TO CONTROLLING FIXTURE	FEET 6.0 0.0 -4.0 10.0
SYSTEM PRESSURE REQUIREMENTS: ELEVATION (VERTICAL DISTANCE) X 0.434 PSI/FT PRESSURE NEEDED AT CONTROLLING FIXTURE BACKFLOW PREVENTER: 1-1/2" (INTERIOR**) WATER METER: 1-1/2" (INTERIOR**) TOTAL	PSI 4.3 35 10.0 8.0 39.3
PIPE RUNS: EXTERIOR, MAIN TO BUILDING ENTRY (VERIFY**) INTERIOR, ENTRY TO CONTROLLING FIXTURE INTERIOR, VERTICAL RISE ALLOWANCE FOR FITTINGS, ETC. (LENGTH X 0.25)	FEET 200 42 10.0 13.0
TOTAL	265.0

SYSTEM PRESSURE DATA: MINIMUM SYSTEM PRESSURE REQUIRED AT MAIN (VERIFY**)

PSI/100'

SHOWN ABOVE.

ISSUE TABLE

	No.	Date (mm/dd/yy)	Description

REVISIONS					
Date	Description				
8/01/2023	RESPONSE TO CITY				
9/04/2023	HEALTH COMMENTS				
9/12/2023	RESPONSE TO CITY				
	Date 8/01/2023 9/04/2023				

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65.0

39.3



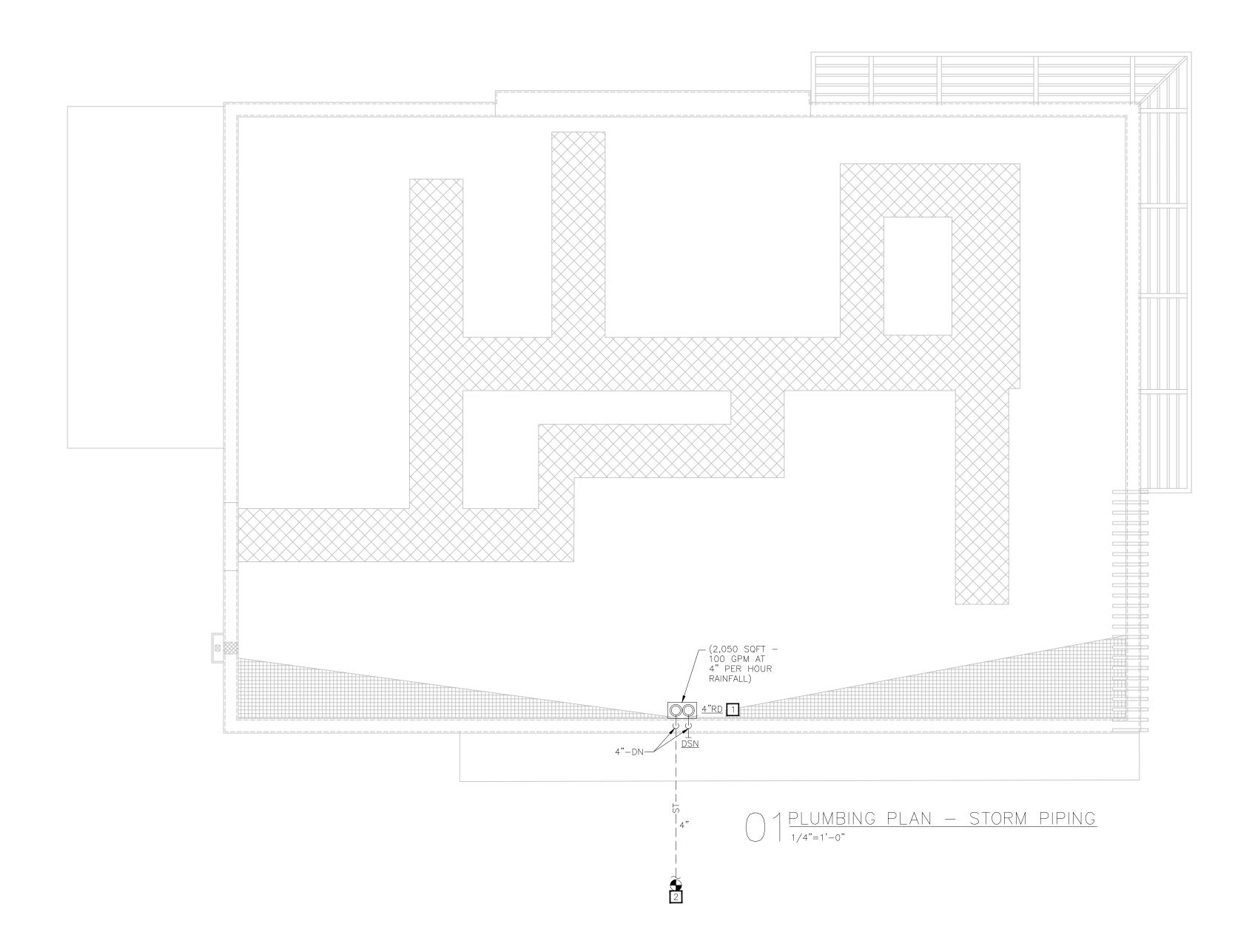


US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

PLUMBING PLAN -DOMESTIC WATER

Drawn	Checked
NI	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	P2.2



PLUMBING KEY NOTES

PROVIDE ROOF DRAIN AS SHOWN PER PLANS PER "ROOF DRAIN" DETAIL.
REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.

2 EXTEND STORM LINE OUT 5' 0" FOR CONNECTION BY OTHERS. REFER TO CIVIL DRAWINGS FOR CONENCTION LOCATION.

___ ISSUE TABLE

_	ISSUE	ISSUE TABLE			
	No.	Date (mm/dd/yy)	Description		

REVISIONS

INLVIO	IONO	
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

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	No.	No. Date



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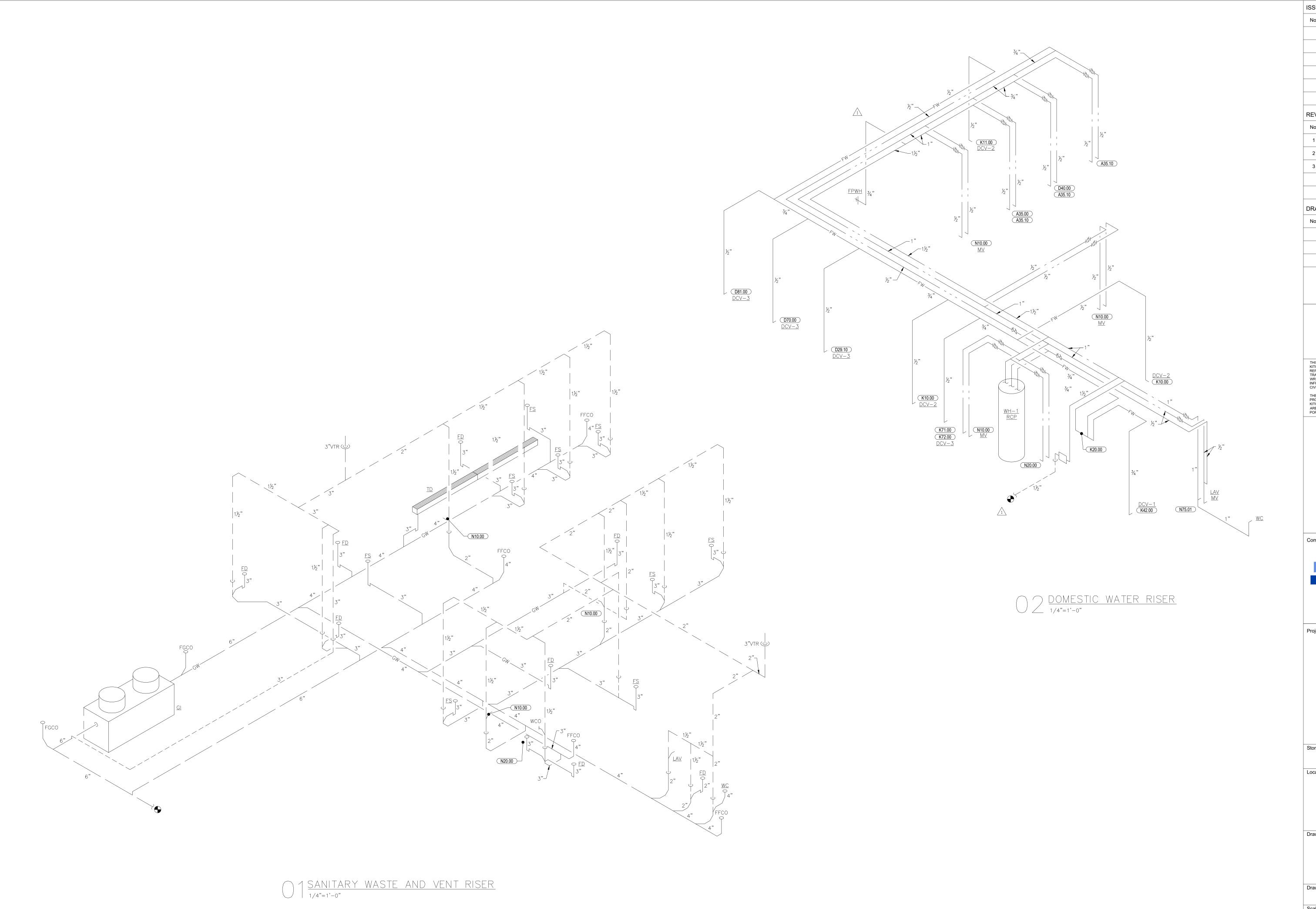
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PLUMBING PLAN - STORM PIPING

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1/4" = 1'-0"	JUNE 2023	/ES
Project No.	Drawing No.	OPE
C22-129	P2.3	PO



No. Date (mm/dd/yy) Description

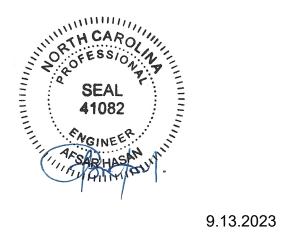
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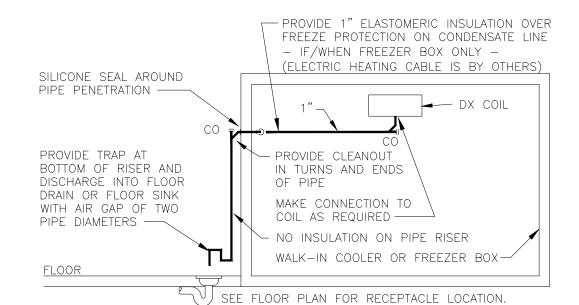
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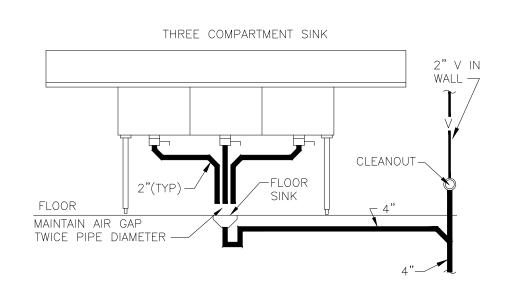
PLUMBING RISERS

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Scale	Date	
	JUNE 2023	
Project No.	Drawing No.	
C22-129	P3.1	



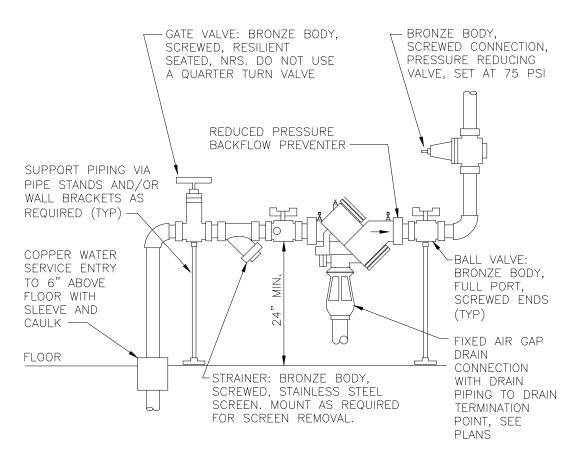
INSTALL PIPE HIGH AS POSSIBLE, ANCHORED TO WALL OF BOX WITH SUPPORTS AT MAXIMUM SIX FOOT CENTERS. USE TYPE "M" HARD COPPER TUBE AND FITTINGS WITH LEAD-FREE SOLDER JOINTS. SLOPE HORIZONTAL PIPE AT MINIMUM TWO PERCENT. REFER TO LOCAL CODE FOR INDIRECT DRAIN REQUIREMENTS.

1 WALK-IN COOLER/FREEZER DRAIN NOT TO SCALE



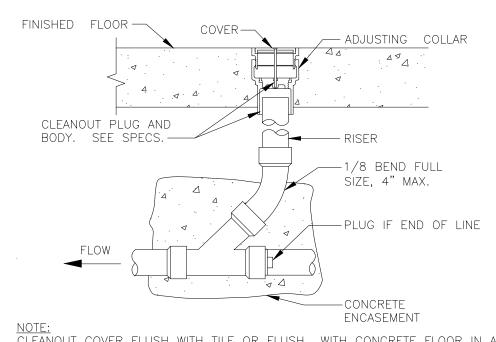
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. UTILIZE HUBLESS CAST IRON PIPE, FITTINGS AND CONNECTORS FOR SINK CONNECTIONS.

 $\frac{3 - \text{COMP SINK}}{\text{NOT TO SCALE}}$



DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. PROVIDE BACKFLOW PREVENTER OF TYPE AND MANUFACTURER APPROVED BY LOCAL AUTHORITIES. PROVIDE PRESSURE REDUCING VALVE ONLY IF PRESSURE EXCEEDS 80 PSI — VERIFY. STRAINER AND REDUCING VALVE MAY BE INSTALLED IN VERTICAL PIPE IF SPACE LIMITATIONS REQUIRE IT. CLEAN STRAINER BEFORE TURNING BUILDING OVER TO OWNER. PROVIDE ANY REQUIRED CERTIFICATION OF TEST OF BACKFLOW PREVENTER TO LOCAL AUTHORITIES.

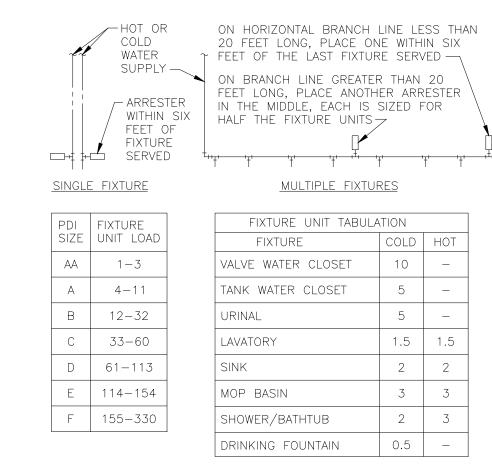
13 DOMESTIC WATER SERVICE ENTRY



NOTE:

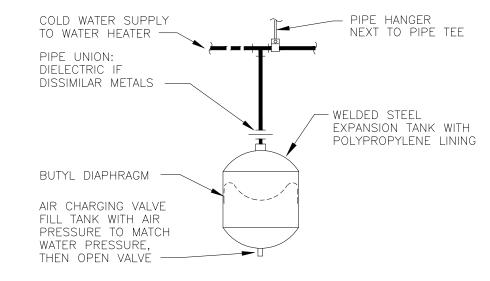
CLEANOUT COVER FLUSH WITH TILE OR FLUSH WITH CONCRETE FLOOR IN AREA WITH NO TILE.

1 / FLOOR CLEAN-OUT



PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND 0-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. THE TABLES ABOVE ARE BASED ON THE SIOUX CHIEF PRODUCT LINE. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

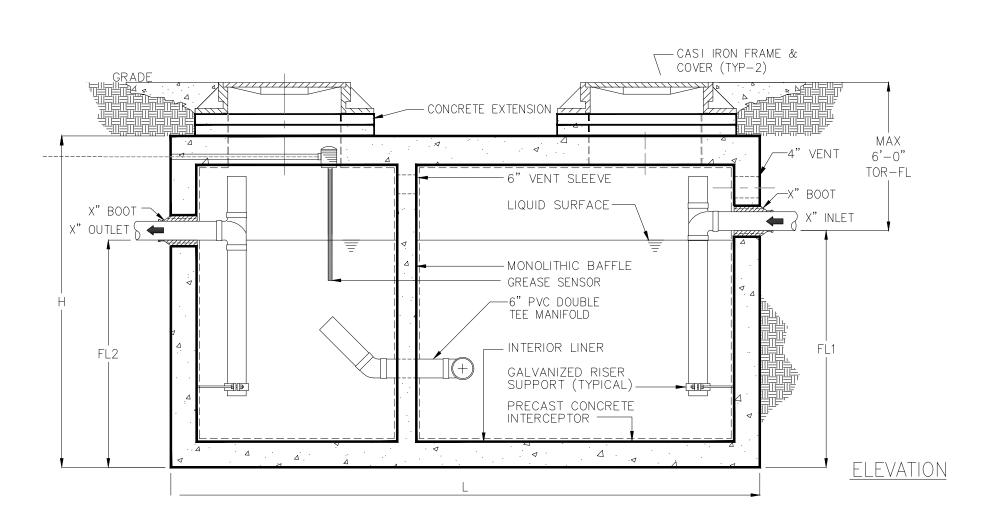
WATER HAMMER ARRESTERS NOT TO SCALE



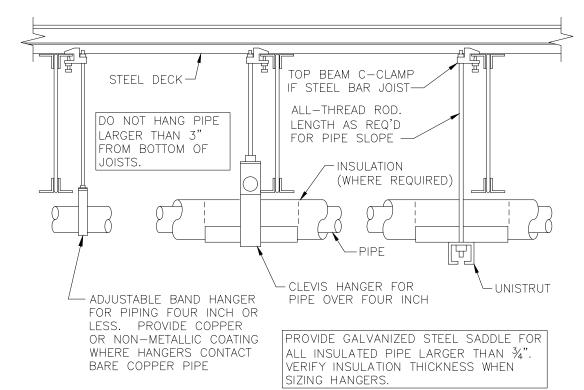
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

EXPANSION TANK INSTALLATION SHALL OCCUR ONLY WHEN THERE IS A BACKFLOW PREVENTION DEVICE INSTALLED WITHIN THE TENANT SPACE WATER SYSTEM OR BUILDING WATER SYSTEM.

1 () SMALL EXPANSION TANK

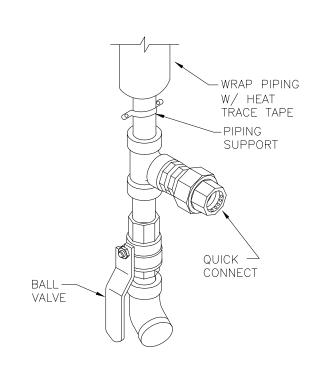


1 2 GREASE INTERCEPTOR NOT TO SCALE

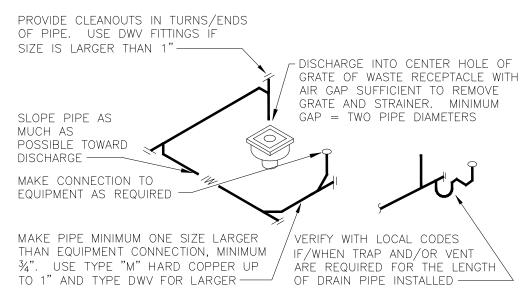


PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'-0"; 3"=11'-0"; 2½"=10'-0"; 2"=9'-0"; 1½"=8'-0"; 1½"=7'-0"; 1" & ¾"=6'-0"; ½"=5'-0". CAST IRON: 10'-0" AND ONE NEAR ALL JOINTS. STEEL: 4"=14'-0"; 3"=12'-0"; 2½"=11'-0"; 2"=10'-0"; 1½"=9'-0"; 1"=7'-0"; ¾"=6'-0"; ½"=5'-0". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES FOR FURTHER INFORMATION.

PIPE HANGERS NOT TO SCALE

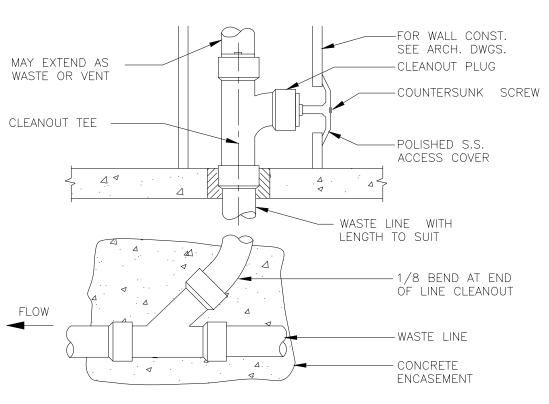


USED COOKING OIL RECOVERY

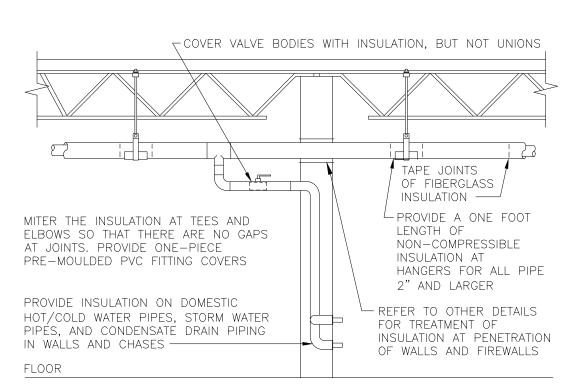


ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

7 INDIRECT DRAIN NOT TO SCALE

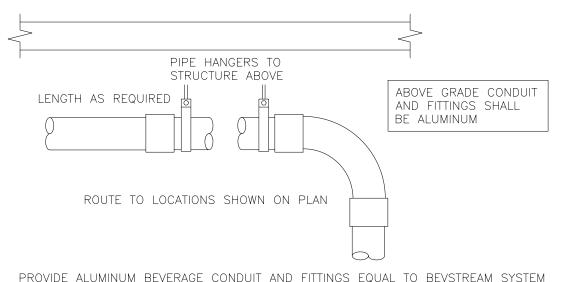


WALL CLEAN-OUT
NOT TO SCALE



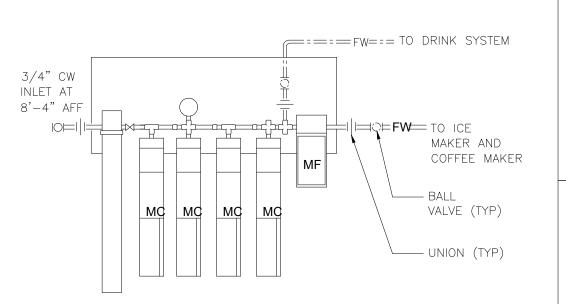
PROVIDE FIBERGLASS INSULATION WITH ALL—SERVICE JACKET WITH VAPOR BARRIER ON ALL COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME—SPREAD AND SMOKE—DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC.

1 PIPE INSULATION NOT TO SCALE



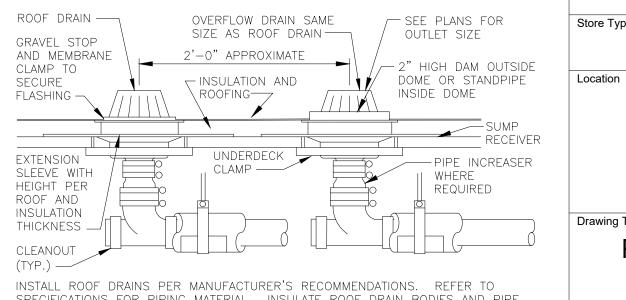
PROVIDE ALUMINUM BEVERAGE CONDUIT AND FITTINGS EQUAL TO BEVSTREAM SYSTEM (WWW.BEVSTREAM.COM). USE MINIMUM QUANTITY OF FITTINGS WITH LONG SWEEP ELBOWS AT BOTH ENDS WITH A MINIMUM RADIUS OF 30" ON 6" OR SMALLER AND 48" ON 8" OR LARGER. AVOID ELBOWS IN HORIZONTAL RUN IF AT ALL POSSIBLE. GENERAL CONTRACTOR SHALL SEAL ENDS OF CONDUIT WITH FOAM AFTER BEVERAGE LINES ARE INSTALL IN CONDUIT. COORDINATE WITH FOOD SERVICE DRAWING FOR EXACT SIZE AND LOCATION OF CONDUIT. CUT CONCRETE FLOOR SLAB, BACKFILL, REPAIR VAPOR BARRIER AND PATCH SLAB PER ARCHITECT'S REQUIREMENTS.

2 BEVERAGE CONDUIT - ABOVE SLAB



REFER TO KITCHEN EQUIPMENT DRAWINGS FOR FILTER REQUIREMENTS.

WATER FILTER



SPECIFICATIONS FOR PIPING MATERIAL. INSULATE ROOF DRAIN BODIES AND PIPE PER SPECIFICATIONS. LOCATE DRAINS WHERE SHOWN ON ARCHITECTURAL PLANS — VERIFY WITH STRUCTURAL PLANS FOR ROOF LOW POINTS. COORDINATE WITH ROOFING CONTRACTOR. REFER TO STRUCTURAL DRAWINGS AND COORDINATE THEREWITH IF REQUIRED FOR SUPPLEMENTARY STEEL AROUND ROOF OPENING. ARRANGEMENT SHOWN IS SCHEMATIC — ADJUST TO SUIT ACTUAL CONDITIONS.

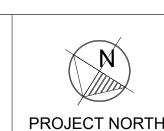
AND OVERFLOW NOT TO SCALE

ONS				
	REVISIONS			
	No.	Date	Description	
	1	8/01/2023	RESPONSE TO CITY	
ОТ	2	9/04/2023	HEALTH COMMENTS	
=	3	9/12/2023	RESPONSE TO CITY	
PIPE				
AILS				
		1		

ISSUE TABLE

Date

1	DRAWINGS REVISED AS PER DESIGN BULLETIN			
_	No.	Date	Description	



Description

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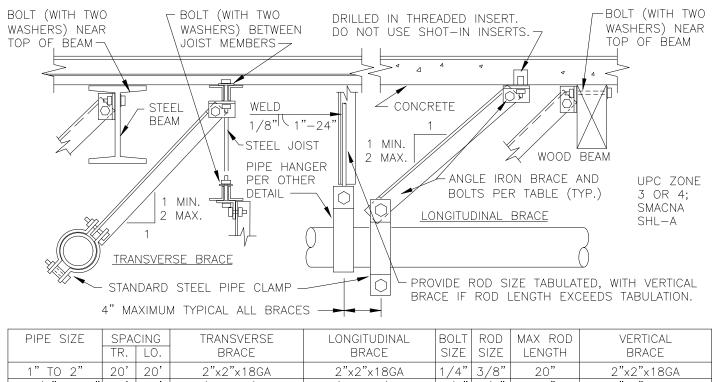
US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

ing Title

PLUMBING DETAILS

Drawn	Checked
NI	AH
Scale	Date
	JUNE 2023
Project No.	Drawing No.
C22-129	P4.1



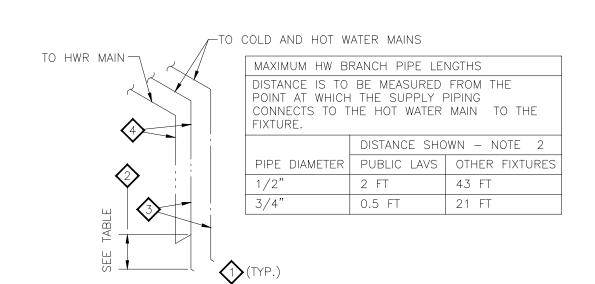
PIPE SIZE	SPA	CING	TRANSVERSE	LONGITUDINAL	BOLT	ROD	MAX ROD	VERTICAL
	TR.	LO.	BRACE	BRACE	SIZE	SIZE	LENGTH	BRACE
1" TO 2"	20'	20'	2"x2"x18GA	2"x2"x18GA	1/4"	3/8"	20"	2"x2"x18GA
2-1/2" TO 3"	40'	40'	2-1/2x2-1/2x16GA	2-1/2x2-1/2x16GA	3/8"	1/2"	25"	2"x2"x16GA
4" TO 5"	40'	40'	2-1/2x2-1/2x16GA	2-1/2x2-1/2x12GA	1/2"	5/8"	31"	2"x2"x16GA
6"	40'	40'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	1/2"	3/4"	37"	2-1/2×2-1/2×16GA
8"	40'	40'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	5/8"	7/8"	43"	2-1/2×2-1/2×12GA
10"	20'	20'	2-1/2x2-1/2x12GA	2-1/2x2-1/2x12GA	3/4"	7/8"	43"	2-1/2×2-1/2×12GA
12"	20'	20'	3"x3"x12GA	3"x3"x12GA	3/4"	7/8"	43"	2-1/2×2-1/2×12GA
14"	20'	20'	3"x3"x12GA	3"x3"x12GA	3/4"	1"	50"	2-1/2x2-1/2x12GA

DO NOT BRACE ANY PIPES WHERE TOP OF PIPE TO BOTTOM OF UPPER ATTACHMENT IS LESS THAN 12". BRACE GAS, OIL AND AIR PIPES 1" AND LARGER. BRACE ALL PIPES IN EQUIPMENT ROOMS 1-1/4" AND LARGER. BRACE ALL OTHER PIPE 2-1/2" AND LARGER. BRACE HUBLESS CAST IRON PIPE ON EACH SIDE OF ANY CHANGE IN DIRECTION OF 90 DEGREES OR MORE. MAXIMUM HANGER ROD LENGTH IS 6 FEET. WHERE LENGTH OF RUN EXCEEDS LONGITUDINAL BRACE SPACING, PROVIDE 2 FEET OFFSET IN PIPE AND LOCATE BRACE AT MID RUNS. REFER TO CURRENT EDITION OF SMACNA "SEISMIC RESTRAINT MANUAL" FOR ALTERNATIVE ATTACHMENTS AND ADDITIONAL INFORMATION AND REQUIREMENTS. (THIS DETAIL APPLIES IN THE ABSENCE OF OTHER LOCAL CODE REQUIREMENTS.)

1 3 SEISMIC BRACING FOR PIPE NOT TO SCALE

1 A NOT USED

TO FIXTURE.



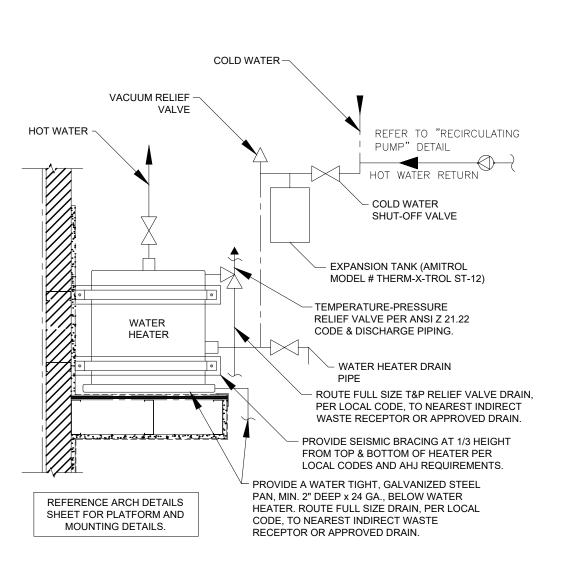
KEY NOTES

1. HOT WATER PIPING SHOWN ON FLOOR PLANS AND ISOMETRIC IS SHOWN FOR PLAN CLARITY. HOT WATER PIPING SHALL LOOP DOWN INTO WALL AS SHOWN.

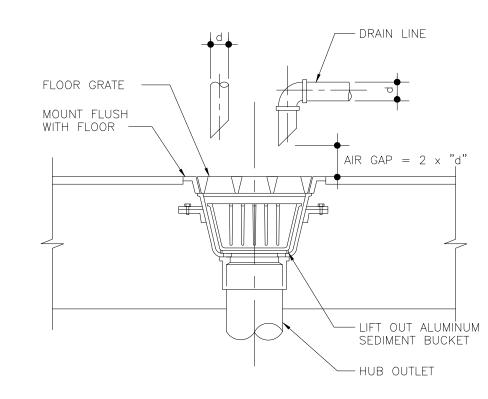
2. SEE TABLE FOR MAXIMUM ALLOWED DISTANCE OF PIPING FROM HOT WATER MAIN

3. PIPE SIZE TO FIXTURE PER PLANS.4. PIPE SIZE FOR HOT WATER DISTRIBUTION PIPING PER PLANS.

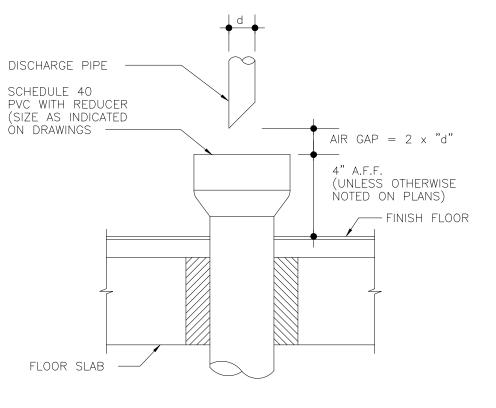
1 5 PUBLIC HANDWASHING RECIRC.



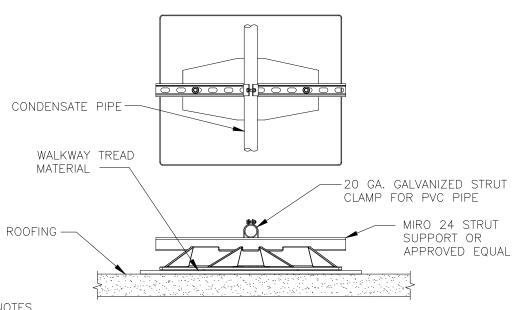
TANK ELECTRIC WATER HEATER



1 DEFLOOR SINK



1 1 HUB DRAIN NOT TO SCALE

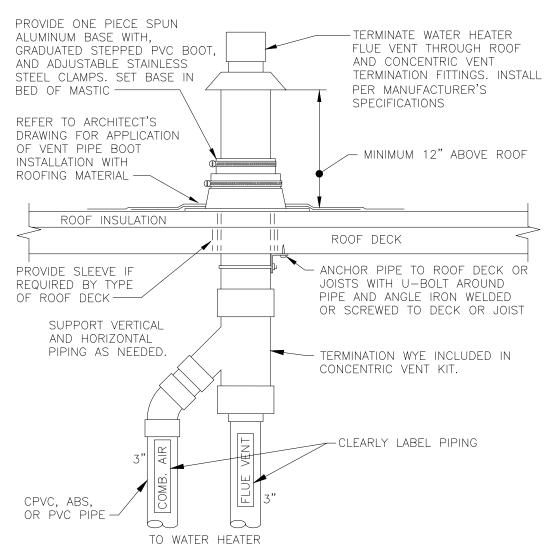


1. SUPPORT REQUIRED 10'-0" O.C. AND AT ALL CHANGES IN DIRECTION.

2. INCREASE IN HEIGHT AS REQUIRED FOR ROUTING ABOVE ROOF MOUNTED

POOF CONDENSATE PIPE SUPPORT
NOT TO SCALE

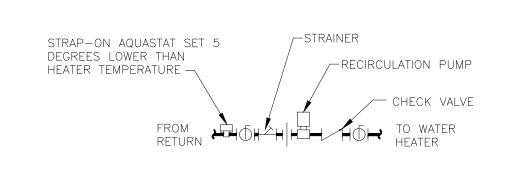
ACCESSORIES SUCH AS EXPANSION JOINTS AND TO ACCOMMODATE SLOPE.



REFER TO PLANS FOR WATER HEATER FLUE VENT PIPE SIZES AND LOCATIONS.

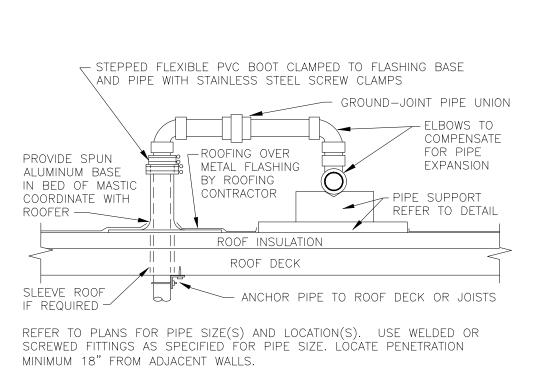
LOCATE CONCENTRIC VENT A MINIMUM OF 10 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) AND ONE FOOT FROM ANY VERTICAL SURFACE. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.



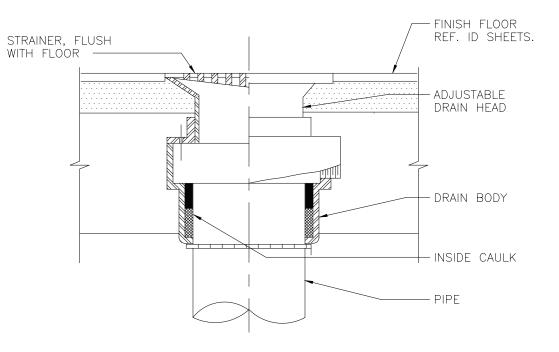


PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO WATER HEATER DETAIL FOR MORE INFORMATION.

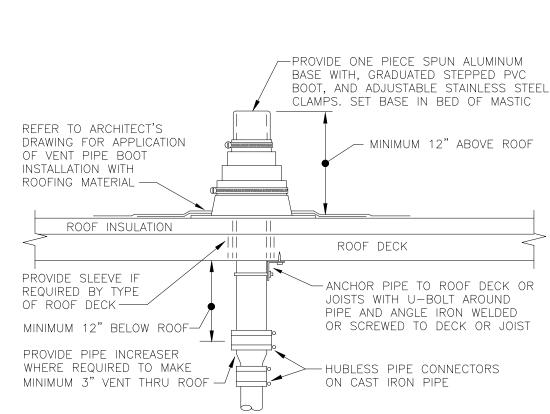
RECIRCULATION PUMP NOT TO SCALE



7 ROOF PENETRATION NOT TO SCALE



FLOOR DRAIN
NOT TO SCALE

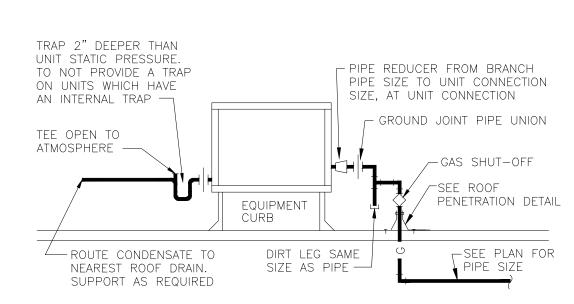


REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR A MINIMUM OF 20 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL—SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

O 1 VENT THRU ROOF (VTR) NOT TO SCALE

O 2 NOT USED NOT TO SCALE

NOT USED NOT TO SCALE



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL

A ROOFTOP UNIT CONNECTIONS
NOT TO SCALE

No.	Date (mm/dd/yy)	Description
REVIS	SIONS	
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

ISSUE TABLE

No.	Date	Description



PROJECT NORTH

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US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

rawing Title

PLUMBING DETAILS

Drawn	Checked
NI	AH
Scale	Date
	JUNE 2023
Project No.	Drawing No.
C22-129	P4.2

GENERAL PROVISIONS

- WORK INCLUDES MODIFICATION TO EXISTING PLUMBING SYSTEM AND PROVIDING NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT
- HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION.
- INTENT OF THE DRAWINGS IS TO INDICATE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS AND COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS.
- COORDINATE WITH WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS AND WITH THE CONSTRAINTS OF EXISTING CONDITIONS OF THE PROJECT SITE.
- ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. IS TO PROVIDE POWER WIRING FOR EACH ITEM OF ELECTRICAL EQUIPMENT AND MAKE FINAL CONNECTIONS TO MOTORS.
- ALL FINISH PAINTING IS TO BE PERFORMED BY GENERAL CONTRACTOR, EXCEPT AS NOTED ELSEWHERE. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ANY PAINTING DEFACED BY CONTRACTOR AFTER ORIGINAL PAINTING.
- G. ALL WORK SHALL CONFORM TO CODES, RULES, AND REGULATIONS:
- STATE PLUMBING CODE. LOCAL BUILDING CODE
- NATIONAL FIRE PROTECTION ASSOCIATION.
- CERTAIN CODES AND STANDARDS AS SET UP BY VARIOUS TECHNICAL SOCIETIES SUCH AS ASME, ASHRAE, ASTM, SMACNA, ARI. AABC. OR IEEE.
- FEDERAL OCCUPATIONAL SAFETY AND HEALTH STANDARDS. 6. LOCAL INSPECTOR'S REQUIREMENTS.
- STATE INDUSTRIAL COMMISSION REQUIREMENTS. 8. BUILDING INSURING AGENCY REQUIREMENTS.

AND OTHER EXPENSES IN CONNECTION THEREWITH.

- ALL PERMITS REQUIRED BY LAWS, ORDINANCES AND BUILDING CODES HAVING JURISDICTION SHALL BE OBTAINED AT THE PROPER TIME BY
- AND AT THE EXPENSE OF THIS CONTRACTOR. THIS CONTRACTOR SHALL OBTAIN ALL INSPECTIONS REQUIRED BY ALL LAWS, ORDINANCES AND PUBLIC AUTHORITY HAVING JURISDICTION AND SHALL OBTAIN CERTIFICATES OF SUCH INSPECTIONS AND SUBMIT SAME

TO THE ARCHITECT AND SHALL PAY ALL FEES, CHARGES, ASSESSMENTS

- PIPING AND EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATIONS ARE DETERMINED BY STRUCTURAL AND OTHER CONDITIONS. DESIGN OF SYSTEM MAY NOT BE CHANGED. ONLY EXACT LOCATION OF PIPING MAY BE REVISED TO SUIT CONSTRUCTION CONDITIONS AND AID IN COORDINATION WITH WORK OF OTHER CONTRACTORS.
- MATERIALS AND EQUIPMENT INSTALLED IN THE WORK SHALL MEET REQUIREMENTS OF THE CONTRACT DOCUMENTS AND NO MATERIALS OR EQUIPMENT SHALL BE ORDERED UNTIL REVIEWED BY ENGINEER AND/ OR ARCHITECT.
- THIS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER DOCUMENTS PROVIDED BY THE OWNER/ARCHITECT/CONTRACTOR.
- EXPANSION TANK DRAINS AND CLEANOUTS
- VALVES ALL PLUMBING FIXTURES, FAUCETS AND FITTINGS
- WATER HEATER PIPE INSULATION 7. GREASE INTERCEPTOR
- K. CATALOG DATA FOR EQUIPMENT REVIEWED BY THE ARCHITECT SHALL THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS, PROVIDING PROPER CLEARANCE FABRICATION PROCESS AND COORDINATION WITH OTHER TRADES.
- WHEN SUBMITTED FOR ARCHITECT'S REVIEW, SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S CERTIFICATION THAT:
- SHOP DRAWINGS HAVE BEEN REVIEWED, CHECKED, AND APPROVED. CONTRACTOR'S WORK IS IN HARMONY WITH THE REQUIREMENTS OF THE PROJECT AND WITH THE PROVISIONS OF THE CONTRACT
- DOCUMENTS 3. CONTRACTOR HAS VERIFIED ALL FIELD MEASUREMENTS AND CONSTRUCTION CRITERIA. MATERIALS, CATALOG NUMBERS AND
- M. CONTRACTOR SHALL ALSO CERTIFY THAT THE WORK REPRESENTED BY THE SHOP DRAWINGS IS RECOMMENDED BY THE CONTRACTOR AND THE CONTRACTOR'S GUARANTEE WILL FULLY APPLY.
- ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE SITE AND ALL CONDITIONS THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT. THE SUBMITTING OF A BID AUTOMATICALLY IMPLIES THAT THIS EXAMINATION OF SITE HAS BEEN
- CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND NOTE CONDITIONS WHICH WOULD AFFECT THE WORK. ALL DISCREPANCIES SHALL THEN BE REPORTED PRIOR TO THE BID AWARD.
- PROVIDE INSTRUCTION TO OWNER'S OPERATING PERSONNEL AS NECESSARY, SHOWING LOCATIONS AND PROPER OPERATION OF MAJOR ITEMS OF EQUIPMENT AND SYSTEM COMPONENTS AND REFERRING TO THE OPERATING INSTRUCTION MANUAL DESCRIBED BELOW AS A GUIDE.
- COMPILE A WRITTEN MANUAL OF OPERATING INSTRUCTIONS INCLUDING COPIES OF SHOP DRAWINGS AND A LISTING OF EQUIPMENT SUPPLIERS. ASSEMBLE IN 8-1/2" X 11" HARD BACKED INDEXED BINDER. MATERIAL SHALL BE AS FOLLOWS:
- 1. TITLE PAGE: TITLE OF JOB, TENANT, ADDRESS, DATE OF SUBMISSION, CONTRACTOR AND ENGINEER.
- 3. ST OF MAJOR EQUIPMENT USED IN PROJECT ACCOMPANIED BY CONTRACTOR PURCHASE ORDER NUMBERS AND SUPPLIERS NAMES AND ADDRESSES. 4. ONE COPY OF EACH SHOP DRAWING GROUPED BY TYPES OF
- EQUIPMENT, I.E., PLUMBING FIXTURES, VALVES, ETC. 5. SECTION FOR EACH SYSTEM INCLUDING A BRIEF DESCRIPTION OF SYSTEM OPERATION WITH LOCATION OF MAJOR COMPONENTS AND A LIST OF ITEMS IN SYSTEM REQUIRING PERIODIC SERVICE.
- R. SUBMIT A COMPLETED COPY TITLED "PLUMBING OPERATING INSTRUCTION MANUAL" ON BINDING EDGE OF BINDER TO ARCHITECT FOR APPROVAL. AFTER ARCHITECT'S REVIEW AND ANY CORRECTIONS REQUIRED ARE COMPLETED, SUBMIT A COPY OF MANUAL, TO OWNER.

FIRESTOPPING

- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING AROUND ALL OPENINGS FOR PIPES, DUCTS, CONDUITS ETC., INSTALLED BY CONTRACTOR AT ALL FIRE WALLS. FIRESTOPPING SHALL BE PERFORMED BY AN INSTALLER WHO HAS BEEN TRAINED BY MANUFACTURER. OR MANUFACTURER'S REPRESENTATIVE. IN THE INSTALLATION PROCEDURES BASED ON PUBLISHED UL TESTED FIRE STOP SYSTEMS.
- FIRESTOPPING SHALL MEET THE REQUIREMENTS OF ASTM E-814 OR UL 1479 FIRE TESTS BY A RECOGNIZED TESTING AGENCY. FIRESTOPPING SHALL ALSO CONFORM TO GOVERNING CODES AS FOLLOWS: INTERNATIONAL BUILDING CODE, NFPA 101- LIFE SAFETY CODE & NFPA 70 - NATIONAL ELECTRIC CODE.

- C. PENETRATION
- 1. CLEAN PENETRATION HOLES OF DIRT, LOOSE MATERIALS AND FOREIGN MATTER WHICH MAY AFFECT BOND OR INSTALLATION.
- 2. REMOVE COATINGS SUCH AS PAINT, CURING COMPOUNDS, WATER REPELLENT & SEALERS AS REQUIRED.
- 3. INSTALL BACKING MATERIALS TO PREVENT LIQUID MATERIAL LEAKAGE.

D. APPLICATION

- 1. PREPARE AND APPLY PENETRATION SEALING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
- 2. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE THAT FIRESTOPPING IS DEPOSITED TO FILL AND SEAL HOLES AND
- 3. TOOL EXPOSED SURFACES OF APPLIED SEALANT TO SMOOTH FINISH.
- 4. PROTECT MATERIALS FROM DAMAGE ON SURFACES SUBJECTED TO
- E. PROVIDE INTUMESCENT SEALANTS AND COLLARS AT OPENINGS INVOLVING PLASTIC OR INSULATED PIPE SIMILAR TO METACAULK SERIES 880 AND
- F. FIRESTOPPING BY DOW CORNING, 3M, HILTI OR METACAULK MAY FURNISHED AT CONTRACTOR'S OPTION.

PIPE ANCHORS, HANGERS AND SUPPORTS

- A. ALL PIPING SHALL BE SEPARATELY HUNG AND SUPPORTED FROM APPROVED STRUCTURAL MEMBERS OR CONCRETE OVERHEAD STRUCTURE ONLY. NO PIPE SHALL BE HUNG FROM ROOF DECK, PIPE, DUCTS OR OTHER COMPONENTS OR EQUIPMENT OF OTHER TRADES.
- B. PROVIDE LISTED/APPROVED ADJUSTABLE HANGERS, INSERTS, BRACKETS, CLAMPS. SUPPLEMENTARY STEEL AND OTHER DEVICES REQUIRED FOR PROPER SUPPORT OF ALL PIPE LINES.
- C. HANGERS SHALL BE DESIGNED TO ALLOW FOR EXPANSION AND CONTRACTION AND TO ALLOW INSULATION (WHERE APPLICABLE) TO RUN CONTINUOUSLY THROUGH HANGERS.
- D. WIRE OR STRAP HANGERS ARE NOT PERMITTED. ADJUST HANGERS SO AS TO DISTRIBUTE WEIGHT LOAD EQUALLY ON ATTACHMENTS. PLUMBING SYSTEM TESTING
- A. SYSTEM TESTING SHALL BE PROVIDED AS FOLLOWS:
- 1. ALL SYSTEMS SHALL BE TESTED PRIOR TO BEING CONCEALED BY ADDITIONAL WORK, FLOOR SLABS, WALLS, OR MECHANICAL
- 2. FURNISH ALL PUMPS FOR AIR AND WATER PRESSURE TESTS ALONG WITH GAUGES AND ANY OTHER REQUIRED TEST EQUIPMENT.
- 3. TEST SANITARY DRAINAGE AND VENT SYSTEM BY FILLING WITH WATER WITH ALL POINTS IN THE SYSTEM BEING SUBJECT TO PRESSURE OF AT LEAST 10' OF WATER. WATER LEVEL SHALL REMAIN STATIONARY FOR A PERIOD OF ONE HOUR, WITHOUT ANY PIPE OR JOINT LEAKAGE. IF TESTING INDICATES DEFICIENCIES, REPLACE OR REPAIR AS REQUIRED AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.
- 4. TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.
- B. REPAIR ANY LEAKING JOINTS AND DEMONSTRATE ACCEPTABLE LEAKAGE TO SATISFACTION OF OWNER'S REPRESENTATIVE AND APPROVING AUTHORITY. FLUSH ALL PIPING BEFORE PLACING INTO OPERATION.

STERILIZATION

- A. STERILIZE NEW DOMESTIC WATER LINES AFTER INSTALLATION.
- B. FURNISH A CERTIFICATE OF STERILIZATION AND APPROVAL FOR HUMAN CONSUMPTION TO BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THIS STATE, REGULARLY EMPLOYED BY TESTING LABORATORY. CERTIFICATE MUST BE GIVEN TO THE ARCHITECT AND OWNER BEFORE FINAL PAYMENT WILL BE MADE.
- STERILIZATION SHALL BE BY MEANS OF CHLORINE INJECTED INTO WATER SYSTEM NEAR THE SOURCE AND OUTLETS THROUGHOUT THE SYSTEM SHALL BE TESTED TO PROVE PRESENCE OF MINIMUM REQUIREMENTS. LEAVE CHLORINE IN FOR 24 HOURS AND FLUSH OUT SYSTEM UPON COMPLETION OF WORK. STERILIZATION PROCEDURE SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE.
- STERILIZATION SHALL BE PERFORMED UNDER THE IMMEDIATE SUPERVISION OF A WATER TESTING LABORATORY REGULARLY ENGAGED IN THE SERVICE AND SHALL BE DONE ACCORDING TO THEIR INSTRUCTIONS.
- A. STENCILS, LABELS, TAGS, AND COLOR CODES SHALL CONFORM TO ANSI
- B. PRODUCTS SHALL BE SETON. EQUAL PRODUCTS BY BRADY MAY BE FURNISHED AT CONTRACTOR'S OPTION.

IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

- C. STENCILS FOR EQUIPMENT SHALL BE REUSABLE AND HAVE 1" HIGH CHARACTERS. CHARACTERS SHALL BE PAINTED WHITE OVER A BLACK BACKGROUND. STENCIL ONLY AFTER FINAL PAINTING IS COMPLETE. CHARACTERS SHALL BE LEGIBLE FROM FLOOR. APPLY CLEAR ACRYLIC, LACQUER, OR VARNISH OVER FINISHED STENCIL.
- D. FOR PIPING PROVIDE ANSI STANDARD COLOR FLEXIBLE VINYL LABELS WITH PERMANENT PRESSURE SENSITIVE ADHESIVE BACK. LABEL SHALL BE OF SUFFICIENT LENGTH TO ENCIRCLE PIPE (AND INSULATION WHEN APPLICABLE) AND OVERLAP ON ITSELF. EACH LABEL SHALL HAVE AT LEAST ONE FLOW DIRECTION ARROW AND SHALL BE PERMANENTLY LABELED WITH PIPE CONTENT.
- E. SYSTEM PIPING TO LABELED SHALL INCLUDE THE FOLLOWING: SANITARY WASTE AND VENT (ABOVE GRADE ONLY) STORM AND OVERFLOW PIPING (ABOVE GRADE ONLY)
- 3. DOMESTIC WATER (INCLUDING COLD, HOT, RECIRCULATING, FILTERED, AND REVERSE OSMOSIS) 4. NATURAL GAS 5. USED COOKING OIL
- F. DOMESTIC WATER PIPING SHALL BE LABELED ON EXTERIOR OF INSULATION IN ACCORDANCE WITH ANSI A13.
- PIPING, VALVES, DRAINS, CONTROL PANELS AND SIMILAR EQUIPMENT SHALL BE IDENTIFIED AS TO FUNCTION AND SYSTEM NUMBER AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW:
 - IDENTIFICATION ITEM : TYPE PIPING : STENCIL OR PIPE LABEL PIPING SPECIALTY : TAG
- H. IDENTIFY PIPE LINES WITH STENCIL OR PIPE LABEL WITH COLOR CODED BANDS AT THE FOLLOWING LOCATIONS:

WATER HEATER AND OTHER EQUIPMENT : STENCIL

- 1. AT EQUIPMENT CONNECTION AT EACH VALVE.
- 2. AT BOTH SIDES OF WALLS THROUGH WHICH PIPE PASSES.
- 3. AT EVERY 20 FT. INTERVAL ON CONTINUOUS PIPE LINES.
- 4. AT EACH BRANCH CONNECTION.

- 5. SHOW FLOW DIRECTION ARROWS AT EACH IDENTIFICATION POINT. INSULATION
- A. PIPE INSULATION AND APPURTENANCES AND COVERINGS ON PIPES USED IN CHASES, SHAFTS OR OTHER CONCEALED SPACES IN TYPES 1 AND 2 CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING TWENTY-FIVE (25) AND IN TYPE 3 AND 4 CONSTRUCTION NOT EXCEEDING SEVENTY-FIVE (75) AND A SMOKE DEVELOPED RATING NOT FXCFFDING FIFTY (50).
- INSULATION SHALL BE RIDGE ONE-PIECE FIBERGLASS PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 547, SELF-SEALING ADHESIVE LAP LONGITUDINAL JOINTS AND BUTT STRIPS FOR TRANSVERSE JOINTS. JACKETING SHALL CONFORM TO ASTM C 1136. TYPE I. MAXIMUM VAPOR TRANSMISSION RATING OF 0.02 PERM WHEN TESTED ACCORDING TO ASTM E 96, PROCEDURE A. (K VALVE) 0.25 BTU/IN./HR. * FT2 * °F AT 75°F MEAN TEMPERATURE WITH A MINIMUM
- C. PROVIDE INSULATION THICKNESS AS INDICATED:
 - DOMESTIC COLD WATER PIPING 1" AND SMALLER: 1/2" THICK DOMESTIC COLD WATER PIPING 1-1/4" - 1-1/2": 3/4" THICK DOMESTIC COLD WATER 2" AND LARGER: 1" THICK DOMESTIC HOT WATER PIPING 3/4" AND SMALLER: 1" THICK DOMESTIC HOT WATER PIPING 1" - 1 - 1/2: 1 - 1/2" THICK PLUMBING VENT PIPING WITHIN 6 FEET OF ROOF OUTLET: 1" THICK CONDENSATE PIPING: 1/2" THICK USED COOKING OIL: 1" THICK STORM DRAIN PIPING: 1" THICK
- D. GLUE IN PLACE WITH SCHULLER U-GLUE.

OVERFLOW STORM DRAIN PIPING: 1" THICK

- THE FITTINGS SHALL BE INSULATED WITH SCHULLER ZESTON INSULATION AND HAVE FACTORY PRE-MOLDED PVC COVERS. BUTT JOINTS TOGETHER AND WRAP WITH 3" WIDE STRIP TAPE, SEAL IN PLACE WITH SCHULLER U-GLUE.
- F. INSULATION SHALL NOT BE APPLIED UNTIL THE GENERAL CONSTRUCTION HAS PROGRESSED SUFFICIENTLY TO INSURE AGAINST PHYSICAL OR MOISTURE DAMAGE TO THE INSULATION. ALL INSULATION DAMAGED THROUGH FAILURE TO OBSERVE THIS DIRECTIVE SHALL BE REPLACED AT PLUMBING CONTRACTOR'S EXPENSE.
- INSTALL ALL INSULATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- H. INSULATION SHALL NOT BE APPLIED OVER FLANGES, JOINTS AND SEAMS
- INSULATION SHALL BE SCHULLER. EQUAL PRODUCT BY ARMSTRONG, CERTAINTEED, OWENS-CORNING OR KNAUF MAY BE FURNISHED AT THE CONTRACTOR'S OPTION.
- J. PROVIDE INSULATION FOR WATER AND WASTE PIPING BELOW HANDICAP LAVATORIES/SINKS AS FOLLOWS:

PROVIDE TRUBRO "LAVGUARD 2" ADA TRAP AND SUPPLY PROTECTION OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PLUMBING BASIC MATERIALS AND METHODS

- A. PIPING SYSTEMS GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING PROVIDE AN ISOLATING DIELECTRIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION.
- PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS
- FIXTURES/EQUIPMENT FURNISHED BY OTHERS: PLUMBING CONTRACTOR SHALL PROVIDE UTILITY CONNECTIONS REQUIRED SUCH AS WATER, GAS, SUPPLIES, WASTE OUTLET AND TRAPS AT ALL PLUMBING FIXTURES OR FOUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, AND EQUIPMENT SUPPLIER. INCLUDED ARE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION FITTINGS. THIS CONTRACTOR IS TO BECOME INFORMED OF THE EXACT DIMENSIONS OF FINISHED WORK WHERE PIPES ARE TO BE PLACED AND SHALL ARRANGE THE WORK ACCORDINGLY, ASSUMING ALL RESPONSIBILITY FOR PROPER LOCATION. MAINS SHALL BE ERECTED WITH SPECIAL CARE TO PROVIDE SUPPORT AND PROPER ALLOWANCES FOR EXPANSION.
- ALL PIPE LINES MUST BE PROVIDED WITH A SUFFICIENT NUMBER OF FITTINGS OR UNIONS TO MAKE POSSIBLE DISASSEMBLY WITHOUT BREAKAGE OF FITTINGS.
- E. ALL EXPOSED PIPING SHALL BE NEAT AND CAREFULLY ALIGNED WITH THE STRUCTURAL ELEMENTS OF THE BUILDING.
- F. DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE USED FOR LAYOUT WORK.
- ALL LOW POINTS IN WATER PIPING SHALL HAVE DRAIN VALVES WITH STANDARD HOSE ATTACHMENTS. HOT AND COLD WATER PIPING SHALL PITCH TOWARD NEAREST DRAIN VALVE.

DISTANCE FROM WALLS, OTHER PIPES, CONDUIT, DUCTWORK AND OTHER

OBSTACLES TO AVOID INTERFERENCE AND TO PERMIT THE APPLICATION

OF FULL THICKNESS OF INSULATION SPECIFIED. MECHANICAL JOINT TYPE PIPING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. THERMOMETERS BY TRERICE,

H. ALL PIPES TO BE INSTALLED SHALL BE LOCATED AT SUFFICIENT

- ASHCROFT, MARSHALLTOWN, AND WEISS ARE ACCEPTABLE. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES AND VALVES ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS ACCESS PANELS ARE NOT REQUIRED.
- K. SHUTOFF VALVES WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, OR OTHER EQUIPMENT ITEMS TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. PIPE LINE VALVES SHALL BE EQUAL TO CRANE SERIES #9202, QUARTER TURN BALL VALVE. CONSTRUCTION - TWO PIECE, BRONZE BODY, FULL PORTED, CHROME PLATED BRASS BALL, REPLACEABLE "TEFLON OR TFE" SEATS AND SEALS. RATING - 150 PSI WSP, 600 PSI WOG. CONNECTIONS -SOLDER OR THREADED ENDS TO MATCH PIPING. STANDARDS COMPLIANCE - BRONZE OR BRASS VALVES: MSS-SP-110. WHEN SHUTOFF VALVE ARE PLACE IN THE CEILING THE VALVES WILL BE LOCATED AT A MAXIMUM OF 12" ABOVE THE CEILING, AND NOTHING SHALL BE PLACE BETWEEN THE CEILING ACCESS AND THE VALVES.

A. SANITARY WASTE AND VENT PIPING SHALL BE PROVIDED AS FOLLOWS: 1. PROVIDE ALL SANITARY DRAINS AND PIPING WITHIN THE PROJECT

SPACE WITH CONNECTION TO EXISTING DRAINAGE SYSTEMS

- 2. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR HUBLESS CAST-IRON PIPE AND FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE ABS/PVC PLASTIC PIPE WITH SOLVENT WELD FITTINGS, OR SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM.
- 3. ALL SANITARY WASTE PIPING SHALL BE UNIFORMLY PITCHED AT 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER, 1/8" PER FOOT FOR PIPE SIZES 4"-6", AND 1/16" PER FOOT FOR PIPE SIZES 8" OR LARGER UNLESS OTHERWISE REQUIRED BY EXISTING

- CONDITIONS, OR INDICATED ON DRAWINGS. GREASE LADEN WASTE LINES AND SAND/OIL WASTE LINES SHALL BE INSTALLED AT NO LESS THAN AT 1/4" PER FOOT FALL.
- 4. SANITARY VENT PIPING: PROVIDE A COMPLETE SYSTEM OF ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR STANDARD WEIGHT CAST IRON NO-HUB PIPE AND FITTINGS. THE VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.
- 5. CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL STORM, WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF SAME SIZE AS THE PIPES THEY SERVE. CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW. PROVIDE FLOOR MAKER IF BELOW RAISED FLOOR.
- B. HOT AND COLD WATER PIPING SHALL BE PROVIDED AS FOLLOWS: 1. LAYOUT WATER PIPING SO THAT ENTIRE SYSTEM CAN BE DRAINED.
- 2. TYPE "L" HARD COPPER TUBE WITH SOLDER FITTINGS: COPPER TUBING SHALL HAVE SWEAT JOINTS AND BE CLEAN OF SCALE AND FOREIGN MATTER BEFORE INSTALLATION. ALL ENDS OF TUBING TO BE SWEATED SHALL BE REAMED, CLEANED AND BURNISHED TO REMOVE DIRT AND OXIDE. HARD 95-5 LEAD-FREE SOLDER SHALL BE USED AND APPLIED TO THE JOINTS ACCORDING TO STANDARD PRACTICE AND/OR MANUFACTURER'S RECOMMENDATIONS. COMPRESSION STOPS AND BRAIDED SUPPLIES SHALL BE USED AT CONNECTION TO EQUIPMENT.
- 3. PEX-A TUBING WITH ASTM F1960 FITTINGS: PEX TUBING SHALL BE SUPPORTED WITH ADDITIONAL PEX-A PIPE CHANNEL PER MANUFACTURER'S RECOMMENDATIONS. PEX PIPING SHALL BE TERMINATED AT FIXTURES WITH PRE-MANUFACTURED COPPER STUB-OUTS. COMPRESSION STOPS, AND BRAIDED SUPPLIES SHALL BE USED AT CONNECTION TO EQUIPMENT. PROVIDE RED TUBING FOR HOT WATER, BLUE TUBING FOR COLD WATER, AND WHITE/TRANSLUCENT TUBING FOR ALL OTHER DOMESTIC WATER.
- 4. EACH HOT AND COLD WATER BRANCH SHALL BE PROVIDED WITH A BALL VALVE SHUT-OFF.
- 1. TYPE M COPPER TUBING UP TO 1" ID, TYPE DWV COPPER TUBING AND FITTINGS FOR 1-1/4" AND LARGER SIZES.

C. CONDENSATE PIPING SHALL BE PROVIDED AS FOLLOWS:

2. HEAT TRACE ALL CONDENSATE DRAIN LINES INSIDE COOLERS AND FREEZERS AT 5 WATTS/LINEAR FOOT (MINIMUM).

SPACE WITH CONNECTION TO EXISTING STORM DRAINAGE SYSTEMS

- D. STORM AND OVERFLOW PIPING SHALL BE PROVIDED AS FOLLOWS: 1. PROVIDE ALL STORM DRAINS AND PIPING WITHIN THE PROJECT
- 2. STORM DRAINAGE PIPING ABOVE FLOOR SHALL BE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR HUBLESS CAST-IRON PIPE AND FITTINGS AND CONNECTIONS. STORM DRAINAGE PIPING BELOW GRADE SHALL BE ABS/PVC PLASTIC PIPE WITH SOLVENT WELD FITTINGS, OR SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM.
- 3. ALL STORM PIPING SHALL BE UNIFORMLY PITCHED AT 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER, 1/8" PER FOOT FOR PIPE SIZES 4"-6", AND 1/16" PER FOOT FOR PIPE SIZES 8" OR LARGER UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON DRAWINGS.

GAS PIPING

ON-SITE.

- A. PROVIDE A COMPLETE GAS PIPING SYSTEM TO SERVE GAS FIRED HVAC EQUIPMENT, DOMESTIC WATER HEATERS AND EQUIPMENT FURNISHED BY OTHERS, AS NOTED ON DRAWINGS.
- C. NATURAL GAS PIPING SHALL BE AS FOLLOWS:
- 1. ASTM A-53 SCHEDULE 40 STEEL PIPE PAINTED WITH YELLOW ANTI-CORROSIVE PAINT. SCREWED OR WELDED IN ACCORDANCE WITH CODE REQUIREMENT (FITTINGS FOR LINES LARGER THAN 2' SHALL BE WELDED STEEL. FITTINGS FOR LINES 2" AND SMALLER, EXCEPT WHEN LOCATED IN AIR PLENUMS, SHALL BE SCREWED. STANDARD WEIGHT BLACK MALLEABLE).
- PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA-54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION.
- E. PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
- F. PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR OF PIPE ON ROOF SHALL BE YELLOW. COORDINATE COLOR OF PIPE ON EXTERIOR OF BUILDING WITH GC TO MATCH BUILDING COLORS.
- G. GAS COCKS 1-1/2" AND SMALLER SHALL BE ALL BRONZE, SCREWED, FLAT HEAD, BRASS PLUG AND WASHER 200 LB. NOG. PROVIDE LINE SIZE 6" LONG DIRT LEG DOWN STREAM OF GAS COCK AT ALL EQUIPMENT CONNECTIONS.
- I. PROVIDE GAS PIPE SUPPORTS IN ACCORDANCE WITH CODE REQUIREMENTS.

H. NO VALVES ARE TO BE LOCATED IN AIR PLENUMS.

- PLUMBING PIPING SPECIALTIES USED COOKING OIL A. ASTM A-53 SCHEDULE 40 STEEL PIPE THREADED AND SCREWED OR
- WELDED WITH STANDARD WEIGHT BLACK MALLEABLE FITTINGS. B. PROVIDE UNION AT ALL EQUIPMENT CONNECTIONS.
- C. PROVIDE PIPE SUPPORTS AND STANDOFF HANGERS IN ACCORDANCE WITH CODE REQUIREMENTS.
- D. EXTERIOR UCO PIPING WITH INSULATION TO EXTERIOR TANK REQUIRES A STAINLESS STEEL INSULATION JACKET WITH ALL JOINTS AND SEAMS SEALED WATER TIGHT USING WATERPROOF UV RESISTANT CLEAR SEALANT (3M CLEAR HYBRID 730 UV OR EQUAL RATED TO 194 DEGREE F) WITH THE ENDS COVERED TO PREVENT WATER INTRUSION AND SEAL. PROVIDE A PIPE ESCUTCHEON AT WALL.

WATER HEATER

- A. ELECTRIC WATER HEATERS:
 - 1. PROVIDE WATER HEATER, SIZE, LOCATION AND CAPACITY AND MANUFACTURER AS INDICATED ON DRAWINGS.
 - 2. TANK TYPE ELECTRIC WATER HEATER WITH GLASS-LINED TANK RATED AT 150 PSI WORKING PRESSURE, MAGNESIUM ANODE PROTECTION, BRONZE DRAIN VALVE, HIGH TEMPERATURE CUT-OFF SWITCH AND IMMERSION THERMOSTAT. TANK TO HAVE A MINIMUM R-VALUE OF 10.
- 3. FURNISH AND INSTALL A WATTS NO. 40L, 3/4" TEMPERATURE AND PRESSURE RELIEF VALVE AND EXTEND DISCHARGE PIPE, FULL SIZE, TO WITHIN 6" ABOVE MOP SINK OR FLOOR DRAIN.
- 4. PROVIDE POTABLE WATER EXPANSION TANK AS SPECIFIED. EQUAL PRODUCTS BY WATTS, AMTROL, OR BELL & GOSSETT MAY BE PROVIDED AT THE CONTRACTOR'S OPTION.
- B. FUEL FIRED INSTANTANEOUS WATER HEATERS
- 1. PROVIDE HIGH EFFICIENCY GAS FIRED, INSTANTANEOUS WATER HEATERS. SIZE, LOCATION AND CAPACITY SHALL BE AS AS INDICATED ON THE DRAWINGS.

- 2. FACTORY-INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE. EXTEND DISCHARGE PIPE, FULL SIZE, TO WITHIN 6" ABOVE THE MOP SINK OR FLOOR DRAIN.
- 3. PROVIDE POTABLE WATER EXPANSION TANK AS SPECIFIED. EQUAL PRODUCTS BY WATTS, AMTROL, OR BELL & GOSSETT MAY BE PROVIDED AT THE CONTRACTOR'S OPTION.

PLUMBING FIXTURES AND EQUIPMENT

- A. WATER CLOSETS AND LAVATORIES SHALL BE VITREOUS CHINA AND SHALL ALL BE BY SAME MANUFACTURER.
- B. INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS
- C. ALL WALL HUNG LAVATORIES, FLUSH VALVES, ETC., SHALL BE PER DRAWINGS AND MOUNTED AT THE MANUFACTURER'S RECOMMENDED ROUGHING IN MEASUREMENTS, UNLESS NOTED OTHERWISE.
- D. GREASE INTERCEPTOR SHALL BE AS SPECIFIED ON DRAWINGS.
- E. VALVES TO BE AS FOLLOWS:
- 125 LB. S.W.P. GATE, GLOBE AND CHECK VALVES:

MAY BE FURNISHED AT CONTRACTOR'S OPTION.

- 2. GATE (2-1/2" AND SMALLER) ALL BRONZE, SCREWED, TAPERED, SOLID WEDGE DISC, SCREWED BONNET, RISING STEM.
- 3. BALL (2-1/2" AND SMALLER) ALL BRONZE, TEFLON STEM SEALS AND SEAT, 1/4 TURN SHUT-OFF, VINYL COVERED HANDLES.

POWELL, WALWORTH, NORTHERN INDIANA BRASS COMPANY OR STOCKHAM

- 4. GLOBE (2-1/2" AND SMALLER) ALL BRONZE, SCREWED, TAPERED, SÓLID WEDGE DISC, SCREWED BONNET, RISING STEM.
- HORIZONTAL SWING CHECK WITH BRONZE DISC. F. VALVES SHALL BE MILWAUKEE. EQUAL PRODUCTS BY CRANE, HAMMOND,

5. CHECK (2-1/2" AND SMALLER) - ALL BRONZE, SCREWED,

- G. UNIONS TO BE AS FOLLOWS:
- 1. UNIONS FOR COPPER PIPE TO BE 150LB., ALL BRONZE, SOLDER END TYPE BY CHASE. EQUAL PRODUCTS BY CRANE, MUELLER OR NORTHERN INDIANA BRASS COMPANY MAY BE FURNISHED AT CONTRACTOR'S OPTION.
- 2. DIELECTRIC UNIONS BETWEEN FERROUS AND COPPER SHALL BE INSULATED TO PREVENT METAL-TO-METAL CONTACT AND SHALL BE MANUFACTURED BY CAPITAL MANUFACTURING COMPANY OF COLUMBUS, OHIO. EQUAL PRODUCTS BY PATROL OR PECO SALES COMPANY.
- E. CLEANOUTS TO BE AS FOLLOWS:
- FLOOR TYPE TO BE ADJUSTABLE CAST IRON WITH NICKEL BRONZE TOP. TOP TO BE FLUSH WITH FLOOR. SEE DRAWINGS FOR MODEL AND MANUFACTURER.
- 2. WALL TYPE TO BE CAST IRON TEE WITH ROUND POLISHED STAINLESS STEEL ACCESS COVER AND THREADED PLUG. SEE DRAWINGS FOR MODEL AND MANUFACTURER.
- F. FLOOR DRAINS TO BE AS FOLLOWS:
- 1. CAST IRON BODY SHALLOW SUMP DRAIN WITH DOUBLE DRAINAGE FLANGE AND WEEPHOLES, FLASHING CLAMP, BOTTOM OUTLET WITH NEOPRENE GASKET INSIDE CONNECTOR, 6" DIAMETER ADJUSTABLE GRATE. FRAME AND GRATE TO HAVE POLISHED NICKEL-BRONZE FINISH. SEE DRAWINGS FOR MODEL AND MANUFACTURER. EQUAL PRODUCT MAY BE SUPPLIED AT THE CONTRACTOR'S OPTION.

ISSUE TABLE

Date

REVISIONS					
No.	Date	Description			
1	8/01/2023	RESPONSE TO CITY			
2	9/04/2023	HEALTH COMMENTS			
3	9/12/2023	RESPONSE TO CITY			

Description

DRAWINGS REVISED AS PER DESIGN BULLETIN Date Description





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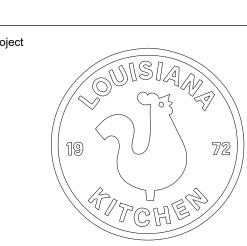
POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

9.13.2023

Company Logo

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PLUMBING

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Project No.	Drawing No.		
C22-129	PS1.1		

US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

A-4: VIEW OF DRIVE-THRU MENU BOARD STROBE BEHIND MENU BOARD. SHOWN THIS SET. A-5: VIEW OF DRIVE-THRU AREA M.B.A. SOUNDER WILL SOUND WHEN BACK DOOR IS OPENED. . REFER TO EQUIPMENT SPECIFICATIONS FOR DATA AND POWER MANAGER WILL SILENCE ST SOUNDER AT KEYPAD REQUIREMENTS AND LOCATIONS OF ALL MENU BOARDS AND SIGNS. C. INDOOR CAMERAS AFTER 1ST TONE C.A. INDOOR CEILING MOUNT IN TINTED DOME M.C. MOTION DETECTOR-AP 669 PIR-360 MOTION MOUNT IN G. VERIFY MOUNTING HEIGHTS OF ALL RECEPTACLES WITH EQUIPMENT C.B. FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY STOVE AREA. SUPPLIED PRIOR TO INSTALLATION. DROPPED OUT OF TILE M.C.A. N.A. MOTION DETECTOR RADIUS TO INCLUDE DRIVE-UP C.C. CAMERA ORIENTATIONS: WINDOW AREA AND GENERAL REAR AREA. H. ALL EQUIPMENT ELECTRICAL OUTLETS ARE DIMENSIONED TO CENTERLINE B-1: VIEW OF SIDE CUSTOMER ENTRANCE, AND SALES OF BOX FROM ABOVE FINISHED FLOOR. COUNTER N. LOBBY/PERIMETER AREA/BACK OF HOUSE ELECTRICAL CONTRACTOR TO PROVIDE CORD & PLUG CONNECTIONS FOR B-2 : VIEW SALES COUNTER AND RESTROOM AREA N.A. KEYPAD EQUIPMENT AS REQUIRED. B-3 : VIEW SALES COUNTER & SAFE AREA N.A.A. MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM B-4 : VIEW FRONT CUSTOMER ENTRANCE AND ALL 120V, 20A OUTLETS IN THE FOOD PREP AREA SHALL BE GROUND RESTROOM AREA N.B. FG 1025 GLASS BREAK FAULT INTERRUPT TYPE. B-5 : VIEW OF SAFE AND SALES AREA N.B.A. GLASS BREAK FOR LOBBY GLAZING. PROVIDE ONE ON B-6 : VIEW OF BACK ENTRANCE EACH SIDE OF BUILDING. COORDINATE EXACT DEVICE K. BEFORE PHONE IS INSTALLED THE FOLLOWING NEED TO BE IN PLACE -LOCATION AND INSTALLATION. B-7 : VIEW OF PREP ARFA CONDUIT AND PULL STRING AND BACK BOARD (GROUNDED) ON FIRE B-8 : VIEW OF OFFICE AREA N.C. B4039 DOOR CONTACT RETARDANT WALL. B-9 : VIEW OF COOK LINE N.C.A. PROVIDE FOR ALL EXTERIOR DOORS. BACK DOOR L. KVS 3 ON BACK LINE NEEDS TO BE A POLE MOUNT. CONTACT TO ACT AS ALARM POINT FOR REAR "OPEN B-10: VIEW OF KITCHEN B-11: VIEW OF WALK-IN BOX AND STORAGE AREA DOOR" ALARM. SOUNDER AND BLUE STROBE TO M. PROVIDE "UP" OUTLET AT ROOFTOP EQUIPMENT. ACTIVATE WHEN BACK DOOR IS OPEN. D. OFFICE AREA N.D. 3050CT SERIES HOLD-UP PANIC BUTTON N. ROUTE ALL CONDUIT ROOF PENETRATIONS OUTSIDE OF CURB. DO NOT D.A. BAC- BURGLAR ALARM CONTROL-VISTA 20SEUL N.D.A. LATCHING HUB IN COOLER/FREEZER. MOUNT 18" AFF PENETRATE BOTTOM OF RTU UNITS AND EXHAUST FAN CURBS. D.B. D-VCR ON HINGE SIDE OF DOOR SUB UP IN CONDUIT D.C. E-VCR: N.E. POINT OF CONNECTION TO NKL SAFE D.D. F-MONITOR: N.E.A. PIGTAIL PROVIDED BY NKL SAFE LOW VOLTAGE GENERAL NOTES O. POPEYES ADD ON MODIFICATION NAMES AND PHONE NUMBERS E. QUICK REFERENCE SHEETS E.A. ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN O.A. INSTALLER PLEASE CONTACT POPEYES CONSTRUCTION A. ALL P.O.S. (POINT OF SALE) CIRCUITS SHALL HAVE AN ISOLATED EMPLOYEE ONLY AREA CLOSEST TO KEYPAD OR IN OFFICE MANAGER FOR ANY ADD-ONS OR MODIFICATIONS TO YOUR GROUND WIRE BACK TO THE PANEL. ALL P.O.S. EQUIPMENT SHALL BE WIRED INDEPENDENTLY OF ANY NON-P.O.S. EQUIPMENT. JOB. THEY WILL CONTACT THE NATIONAL ACCOUNT AREA PER CUSTOMER INSTRUCTION MANAGER FOR APPROVALS/PAPERWORK. B. ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE ISOLATED GROUND F. FOR LOCATIONS WITH 6 OR MORE CAMERAS: ADD MULTIPLEXER WITH SURGE SUPPRESSOR TYPE. ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE SINGLE UNIT, UNLESS A DUPLEX RECEPTACLE G. LTC 2641/60-PLACE ON SECURITY LOCK FOR NO TAMPER CAN BE USED TO SUPPLY TWO P.O.S. UNITS. DUPLEX RECEPTACLES MAY BE USED IN THE MANAGER'S OFFICE FOR NON-P.O.S. EQUIPMENT H. FOR LOCATIONS WITH 4 CAMERAS OR LESS: (COMPUTER, MUSIC, FIRE ALARM, SECURITY, ETC.). C. ALL CIRCUITS FOR P.O.S EQUIPMENT SHALL BE CONNECTED TO THE SAME PHASE OF POWER IN THE PANEL. ALL BRANCH CIRCUIT BREAKERS SUPPLYING P.O.S. EQUIPMENT SHALL HAVE LOCKING HANDLE DEVICES. D. EACH RECEPTACLE TYPE (LOCKING OR STRAIGHT BLADE) SHALL MATCH THAT OF THE EQUIPMENT FURNISHED. WHERE P.O.S. EQUIPMENT IS FURNISHED WITHOUT A PLUG THE RECEPTACLE SHALL BE LOCKING TYPE. COORDINATE RECEPTACLE TYPES WITH THE P.O.S. EQUIPMENT SECURITY INSTALLATION ACCEPTANCE FORM / CHECKLIST FOR INSTALL SITE MODIFICATIONS (SUCH AS DEVICE PLACEMENT B-3: VIEW SALES COUNTER & SAFE AREA CHANGES FROM DRAWINGS), CUSTOMER MUST INITIAL BELOW TO YES_____N/A____MODIFY PER SITE_____ SHOW APPROVAL OF SITE MODIFICATION. B-4: VIEW BACK DOOR & COOLER/FREEZER AREA A-CAMERA: FOR LOCATIONS WITH OUTDOOR CAMERAS YES____N/A____MODIFY PER SITE_____ OUTDOOR POLE MOUNT 15' ABOVE FINISHED PAVEMENT B-5: 360 VIEW YES_____N/A____MODIFY PER SITE_____ YES____N/A____MODIFY PER SITE_____ GROUND ISOLATION TRANSFORMERS OFFICE AREA YES____N/A____MODIFY PER SITE_____ D-VCR LOCK BOX: TC3922 SERIES ADT TO RUN CONDUIT INSIDE LIGHT POLES-EC TO RUN CONDUIT YES_____N/A____MODIFY PER SITE_____ FROM RESTAURANT TO BASE OF LIGHT POLE & MOUNT JUNCTION BOX 15' ABOVE FINISHED PAVEMENT ON POLE E-VCR: LTC 3924 SERIES PLACE ON SECURITY LOCK FOR NO YES_____N/A____MODIFY PER SITE_____ YES_____N/A____MODIFY PER SITE_____ A-1; VIEW DRIVE-UP AND SIDE DOOR QUICK REFERENCE SHEETS YES____N/A____MODIFY PER SITE_____ ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN EMPLOYEE A-2: VIEW BACK DOOR, MENU BOARD & REAR AREA ONLY AREA CLOSEST TO KEYPAD OR IN OFFICE AREA PER CUSTOMER INSTRUCTION YES_____N/A____MODIFY PER SITE_____ NKL SAFE YES_____N/A____MODIFY PER SITE_____ A-3: VIEW SIDE DOOR AREA OPPOSITE SIDE OF BUILDING FROM VCR INSTRUCTION SHEET(2) 1-REVIEW & 1-RECORD-TO BE DRIVE-THRU MOUNTED ON WALL CLOSEST TO VCR YES_____N/A____MODIFY PER SITE_____ YES____N/A____MODIFY PER SITE_____ B-CAMERA: FOR LOCATIONS WITH INDOOR CAMERAS INDOOR CEILING FOR LOCATIONS WITH 6 OR MORE CAMERAS: ADD MULTIPLEXER MOUNT IN TINTED DOME LTC 2641/60-PLACE ON SECURITY LOCK FOR NO TAMPER YES____N/A____MODIFY PER SITE_____ FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY DROPPED YES_____N/A____MODIFY PER SITE_____ OUT OF TILE FOR LOCATIONS WITH 4 CAMERAS OR LESS: YES_____N/A____MODIFY PER SITE_____ ADD VIDQUAD 4 CHANNEL LTC 2272/60 B-1: VIEW FRONT DOORS, RESTROOM AREA & SALES COUNTER YES____N/A____MODIFY PER SITE_____ YES____N/A____MODIFY PER SITE_____ HUB: HOLD UP BUTTON 441494 SERIES LATCHING HUB B-2: VIEW DRIVE-THRU REGISTER & WINDOW AREA rear area MANAGER AREA-36" AFF OUT OF SITE FROM FRONT COUNTER

YES____N/A____MODIFY PER SITE_____

I. ADD VIDQUAD 4 CHANNEL LTC 2272/60

M. FRYER/PREP AREA

MENU BOARD.

DOOR IS OPEN

J. HOLD UP BUTTON 441494 SERIES LATCHING HUB

K. MANAGER AREA-36" AFF OUT OF SITE FROM FRONT COUNTER

L. DRIVE-THRU WINDOW-18" AFF & OUT OF SITE FROM OUTSIDE

M.A. STROBE LIGHT-AS SL-401B-BLUE STROBE MOUNT BEHIND

M.A.A. STROBE LIGHT WILL FLASH CONTINUOUSLY WHILE BACK

M.B. SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH

SECURITY INSTALLATION NOTES

B. OUTDOOR CAMERAS (WHERE PRESENT):

B.B. GROUND ISOLATION TRANSFORMERS

YES____N/A____MODIFY PER SITE_____

AND SIDE DOOR.

B.D. CAMERA ORIENTATIONS:

A. PROGRAMMING SEQUENCE SET-UP AT THE NCCC

B.A. OUTDOOR POLE MOUNT 15' ABOVE FINISHED PAVEMENT

B.C. SECURITY VENDOR TO RUN FLEX CONDUIT INSIDE LIGHT

A-2: VIEW OF FRONT ENTRY DOOR

A-3: VIEW OF SIDE ENTRY DOOR

POLES. EC TO RUN CONDUIT FROM RESTAURANT TO BASE

OF LIGHT POLE AND MOUNT JUNCTION BOX 15' ABOVE

FINISHED PAVEMENT ON POLE. ORIENT VIEW TO DRIVE-UP

A-1: VIEW BACK DOOR, MENU BOARD & REAR AREA

DRIVE-THRU WINDOW-18" AFF & OUT OF SITE FROM OUTSIDE YES____N/A____MODIFY PER SITE_____ LOBBY/PERIMETER AREA/BACK OF HOUSE KP: KEYPAD-MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM YES_____N/A____MODIFY PER SITE_____ GB: FG 1025 GLASS BREAK- LOBBY GLASS ONE EACH SIDE OF BUILDING SEE DRAWING FOR DEVICE PLACEMENT YES_____N/A____MODIFY PER SITE_____ C: B4039 CONTACT-ALL EXTERIOR DOORS YES____N/A____MODIFY PER SITE_____ BACK DOOR CONTACT TO ACT AS ALARM POINT FOR BACK DOOR ALARM-24 HOUR LOCATION POINT-SOUNDER & BLUE STROBE TO ACTIVATE WHEN BACK DOOR IS OPEN YES_____N/A____MODIFY PER SITE_____ POC: POINT OF CONNECTION TO NKL SAFE-PIGTAIL PROVIDED BY YES_____N/A____MODIFY PER SITE_____ FRYER/PREP AREA SL: STROBE LIGHT-AS SL-401B-BLUE STROBE MOUNT BEHIND MENU BOARD, IT WILL FLASH CONTINUOUSLY WHILE BACK DOOR IS YES_____N/A____MODIFY PER SITE_____ S: SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH STROBE BEHIND MENU BOARD, IT WILL SOUND WHEN BACK DOOR IS OPENED, MANAGER WILL TONE SILENCE SOUNDER AT KEYPAD YES_____N/A____MODIFY PER SITE_____ MD: MOTION DETECTOR-AP 669 PIR - 360 MOTION MOUNT IN STOVE AREA TO GET ARE FROM DRIVE-UP WINDOW AND GENERAL YES_____N/A____MODIFY PER SITE_____

POWER GENERAL NOTES

SENSORS PRIOR TO ROUGH-IN.

A. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT, CONDUIT

B. VERIFY EXACT LOCATION, MOUNTING HEIGHTS AND CONDUIT ROUTING FOR

ALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS AND CO2

ELECTRICAL REQUIREMENTS. COORDINATE PROVISIONS FOR CONTROL

MOTORS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

. MOUNT DEVICES INSTALLED ON EQUIPMENT ON NON-REMOVABLE PANEL.

E. REFER TO FOOD SERVICE DRAWINGS SHEET K1 FOR TAG LOCATIONS NOT

C. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL

CONDUIT AND WIRING AS REQUIRED FOR INTERLOCKING OF FANS,

COORDINATE LOCATION PRIOR TO COMMENCING ROUGH-IN WORK.

STUB-UPS AND POWER CONNECTIONS PRIOR TO ROUGH-IN.

GENERAL ELECTRICAL NOTES

- A. INCLUDE ALLOWANCE FOR UNFORESEEN CONDITIONS THAT MAY AFFECT THE SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN SHALL BE INCLUDED IN THE ALLOWANCE.
- B. SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS AND CONTACTORS SHALL BE "LISTED" AND "IDENTIFIED" AS RATED FOR MINIMUM OF 75°C CONDUCTOR TERMINATION.
- C. ELECTRICAL DESIGN IS BASED ON INSTALLATION OF 75°C CONDUCTORS CONNECTED TO TERMINAL LUGS AND EQUIPMENT U.L. LISTED FOR MINIMUM 75°C. CONDUCTORS TERMINATED ON EQUIPMENT WITH LOWER RATING (60°C) OR NO RATING SHOWN SHALL HAVE CONDUCTOR SIZE INCREASED TO CONFORM TO ADOPTED ELECTRICAL CODE AND UL/CUL NO. 489 REQUIREMENTS.
- D. CONDUIT INSTALLED INDOORS SHALL BE ELECTRICAL METALLIC TUBING (EMT), MINIMUM 1/2" OR AS NOTED.
- E. CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
- CONDUCTORS SHALL BE MINIMUM #12 THHN/THWN COPPER UNLESS NOTED OTHERWISE ON PLANS OR ÎN SPECIFICATIONS. BRANCH CIRCUITS SHALL BE PROVIDED WITH (2) #12 CONDUCTORS AND (1) #12
- EQUIPMENT GROUND CONDUCTOR UNLESS NOTED OTHERWISE. G. BRANCH CIRCUITS SHOWN WITH TWO GROUNDING CONDUCTORS SHALL HAVE ONE EQUIPMENT GROUND CONDUCTOR (GREEN) AND ONE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIP) INSTALLED IN RACEWAY.

H. DIRECT CURRENT WIRING SHALL BE (2) #10 IN 1/2" CONDUIT UNLESS

- NOTED OTHERWISE. CONTROL VOLTAGE WIRING SHALL BE PLENUM RATED OR INSTALLED IN
- THERMOSTATS, TEMPERATURE SENSORS, CARBON DIOXIDE SENSORS AND HUMIDISTATS: UNLESS NOTED OTHERWISE. PROVIDE WALL BOX AT +3'-10" AFF WITH 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING.
- PROVIDE FLEXIBLE CONNECTIONS ONLY FOR FINAL CONNECTION TO EQUIPMENT, 6'-0" MAXIMUM LENGTH. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTION AT EXTERIOR LOCATIONS AND WHERE EXPOSURE TO MOISTURE IS POSSIBLE.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE.
- M. ALL RACEWAYS SHALL CONTAIN A GROUNDING ELECTRODE SIZED PER THE ADOPTED ELECTRICAL CODE.
- I. COORDINATE WORK ABOVE THE CEILING WITH OTHER TRADES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE. CONDUIT RUNS SHALL BE RUN THROUGH TRUSSES WHERE POSSIBLE.
-). VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON CONSTRUCTION DOCUMENTS PRIOR TO FINAL PLACEMENT.
- . ALL RECESSED PANELBOARDS SHALL BE INSTALLED WITH MINIMUM OF (3) 3/4" CONDUITS STUBBED UP TO ACCESSIBLE CEILING SPACE FOR
- ALL PANELBOARDS, SWITCHBOARDS AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SELF ADHESIVE, COMMERCIAL LABEL CONFORMING TO ADOPTED CODES.
- LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15 ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH OR 46" FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL

S. TERMS:

SHALL - ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION. FURNISH - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING.

INSTALL - CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND/OR TEST EQUIPMENT FURNISHED BY HIM OR OTHERS.

PROVIDE - CONTRACTOR SHALL FURNISH AND INSTALL.

LIGHTING GENERAL NOTES

- A. CONNECT EXIT SIGNS, EMERGENCY AND NIGHT LIGHTS TO UNSWITCHED LIGHTING CIRCUIT, NOT CONTROLLED BY OCCUPANCY SENSORS, SWITCHES
- B. PROVIDE DEDICATED NEUTRAL WITH ALL DIMMING SYSTEM CIRCUITS. NO COMMON NEUTRALS SHALL BE ALLOWED.
- C. REFER TO "RECESSED LIGHTING FIXTURE SUPPORT DETAIL" FOR INFORMATION ON SUPPORT OF ALL RECESSED LIGHT FIXTURES.
- D. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR LOCATION OF ALL LIGHTING FIXTURES AND ALL OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- E. REFER TO POWER PLANS FOR LOCATIONS OF ELECTRICAL EQUIPMENT. F. PROVIDE (2) ADDITIONAL #12 CONDUCTORS FOR ALL 0-10V DIMMING

SECURITY SYSTEM GENERAL NOTES

- A. PROVIDE 120V CONNECTIONS TO THE FOLLOWING SYSTEMS: A.A. CCTV HEAD END EQUIPMENT
- A.B. BURGLAR ALARM PANEL & SYSTEM A.C. SECURITY SYSTEM (INCLUDING SECURITY CAMERAS)
- B. PROVIDE EXTERIOR TRENCHING AND CONDUIT WITH PULL STRINGS AS
- REQUIRED FOR OUTDOOR SECURITY CAMERA INSTALLATIONS. PROVIDE BACK BOX MOUNTED ON NEARBY SITE POLE OR BUILDING SURFACE WITH PROVISIONS FOR POWER AND LOW VOLTAGE (COAXIAL) CONNECTIONS.
- SECURITY VENDOR TO FURNISH ALL SECURITY EQUIPMENT AND LOW VOLTAGE CABLING. COORDINATE EXACT SCOPE OF INSTALLATION IN FIELD.
- D. SECURITY VENDOR TO SET UP, TEST, AND TRAIN RESTAURANT MANAGEMENT/ PERSONNEL ON CCTV AND BURGLAR ALARM SYSTEMS.
- E. CONFIRM EXACT QUANTITIES AND LOCATIONS OF ALL DEVICES PRIOR TO SECURITY EQUIPMENT ROUGH-IN WITH SECURITY VENDOR AND POPEYES CONSTRUCTION MANAGER.

ELECTRICAL	SYMBOLS	IFGENI

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(T)(TS)(02)(H)

FCP

RECEPTACLE INSTALLED FLUSH IN CEILING

JUNCTION BOX

MOTOR CONNECTION

ISOLATED GROUND RECEPTACLE INSTALLED FLUSH IN CEILING

DISCONNECT SWITCH, TOP AT +6'-0" OR AS NOTED

CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR

DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.

LIGHTING CONTACTOR, INSTALLED AS NOTED

PUSHBUTTON, TOP AT +4'-6'' OR AS NOTED

CONTROL TRANSFORMER, INSTALLED AS NOTED

DOOR BELL CHIME, +8'-0" OR AS NOTED

CONTROL OR POWER RELAY, INSTALLED AS NOTED

TIME CLOCK, +6'-2" OR AS NOTED

SPECIAL RECEPTACLE, NEMA STYLE AS NOTED, +18" OR AS NOTED

COMBINATION MOTOR STARTER/DISCONNECT SWITCH FURNISHED BY MECHANICAL

THERMOSTAT, TEMPERATURE SENSOR, CARBON DIOXIDE SENSOR AND HUMIDISTAT

ELECTRICALLY OPERATED DAMPER, PROVIDED BY MECHANICAL CONTRACTOR

DATA OUTLET, +6" ABOVE COUNTER WITH 3/4" CONDUIT TO ABOVE CEILING

FIRE ALARM HORN AND 75cd STROBE, +80" TO BOTTOM OF DEVICE PER ADA

AREA TYPE PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED, OR AS NOTED

DUCT TYPE PHOTOELECTRIC SMOKE DETECTOR WITH SAMPLING TUBES AND REMOTE

TELEPHONE/DATA OUTLET, +6" ABOVE COUNTER WITH 1" CONDUIT TO ABOVE CEILING

TELEPHONE/DATA OUTLET, +18" WITH 1" CONDUIT TO ABOVE CEILING

FIRE ALARM CONTROL PANEL, FLUSH MOUNTED, TOP AT +6'-0"

STROBE ONLY (75cd UNO), +80" TO BOTTOM OF DEVICE PER ADA

INDICATOR LIGHT MOUNTED FLUSH IN CEILING BELOW DETECTOR

SPRINKLER FLOW SWITCH, PROVIDED BY PLUMBING CONTRACTOR

SPRINKLER TAMPER SWITCH, PROVIDED BY PLUMBING CONTRACTOR

COMBINATION FIRE/SMOKE DAMPER PROVIDED BY MECHANICAL CONTRACTOR

FIRE SPRINKLER SYSTEM BELL (GONG), +10'-0" AFG

MANUAL FIRE ALARM PULL STATION, +3'-10" PER ADA

FIRE ALARM HORN AND 115cd STROBE, CEILING MOUNTED

STROBE ONLY (115cd UNO), CEILING MOUNTED

FIRE ALARM SYSTEM RELAY

ABOVE FINISHED FLOOR/GRADE

AUTHORITY HAVING JURISDICTION

BUILDING AUTOMATION SYSTEM

ELECTRICAL CONTRACTOR

GENERAL CONTRACTOR

PLUMBING CONTRACTOR

MECHANICAL CONTRACTOR

FIRE ALARM

NIGHT LIGHT

NON-FUSED

TYPICAL

PROVIDED BY MECHANICAL CONTRACTOR, +3'-10" OR AS NOTED

DATA OUTLET, +18" WITH 3/4" CONDUIT TO ABOVE CEILING

		ISSUE	TABLE	
ECTRICAL	_ SYMBOLS LEGEND	No.	Date (mm/dd/yy)	Description
37HH 5 3 1	HOME RUN TO PANEL. CIRCUIT NUMBERS, PHASE, NEUTRAL AND GROUND CONDUCTORS INDICATED ALONG WITH ISOLATED GROUND CONDUCTOR IF APPLICABLE.			
1	PARTIAL CIRCUIT			
	CONDUIT INSTALLED CONCEALED ABOVE CEILING OR IN WALL			
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND			
DC	CONDUIT INSTALLED WITH DIRECT CURRENT POWER WIRING			
	CONDUIT TURNED UP OR DOWN AS NOTED			
\$	SINGLE POLE SWITCH, +3'-10" OR AS NOTED			
\$3	THREE-WAY SWITCH, +3'-10" OR AS NOTED	REVIS	SIONS	
\$ ^{WP}	WEATHERPROOF TOGGLE SWITCH, +3'-10" OR AS NOTED	No.	Date	Description
\$ ^K	KEYED SWITCH, +3'-10" OR AS NOTED	1	8/01/2023	RESPONSE TO CITY
HOS	WALL MOUNTED OCCUPANCY SENSOR, +3'-10" OR AS NOTED	2	9/04/2023	HEALTH COMMENTS
os	CEILING MOUNTED OCCUPANCY SENSOR	3	9/12/2023	RESPONSE TO CITY
HVS	WALL MOUNTED VACANCY SENSOR, +3'-10" OR AS NOTED			
VS	CEILING MOUNTED VACANCY SENSOR			
PS	CEILING MOUNTED INTERIOR DAYLIGHT HARVESTING PHOTOCELL SENSOR			
PP	POWER PACK, INSTALLED ABOVE ACCESSIBLE CEILING	DRAV	VINGS REVISED	AS PER DESIGN BULLETIN
\leftarrow	SIMPLEX RECEPTACLE, +18" OR AS NOTED	No.	Date	Description
IG	ISOLATED GROUND SIMPLEX RECEPTACLE, +18" OR AS NOTED			
⇒	DUPLEX RECEPTACLE, +18" OR AS NOTED			
	ISOLATED GROUND DUPLEX RECEPTACLE, +18" OR AS NOTED			
=	CONTROLLED DUPLEX RECEPTACLE, +18" OR AS NOTED			
=	QUADRUPLEX RECEPTACLE, +18" OR AS NOTED			
==	ISOLATED GROUND QUADRUPLEX RECEPTACLE, +18" OR AS NOTED			
==	QUADRUPLEX RECEPTACLE WITH ONE OUTLET CONTROLLED, +18" OR AS NOTED			
	GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED			
$\overset{TR}{\longrightarrow}\overset{TR}{\longrightarrow}\overset{TR}{=}$	TAMPER RESISTANT RECEPTACLE, +18" OR AS NOTED			N
WP WP WP	WEATHERPROOF GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED			
$\oplus \oplus \equiv$	RECEPTACLE INSTALLED HORIZONTALLY, BOTTOM AT +6" ABOVE COUNTER TOP			PROJECT NORTH

PROJECT NORTH THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIAN KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR RANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWING POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".



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9.13.2023

US 2112 PROTOTYPE

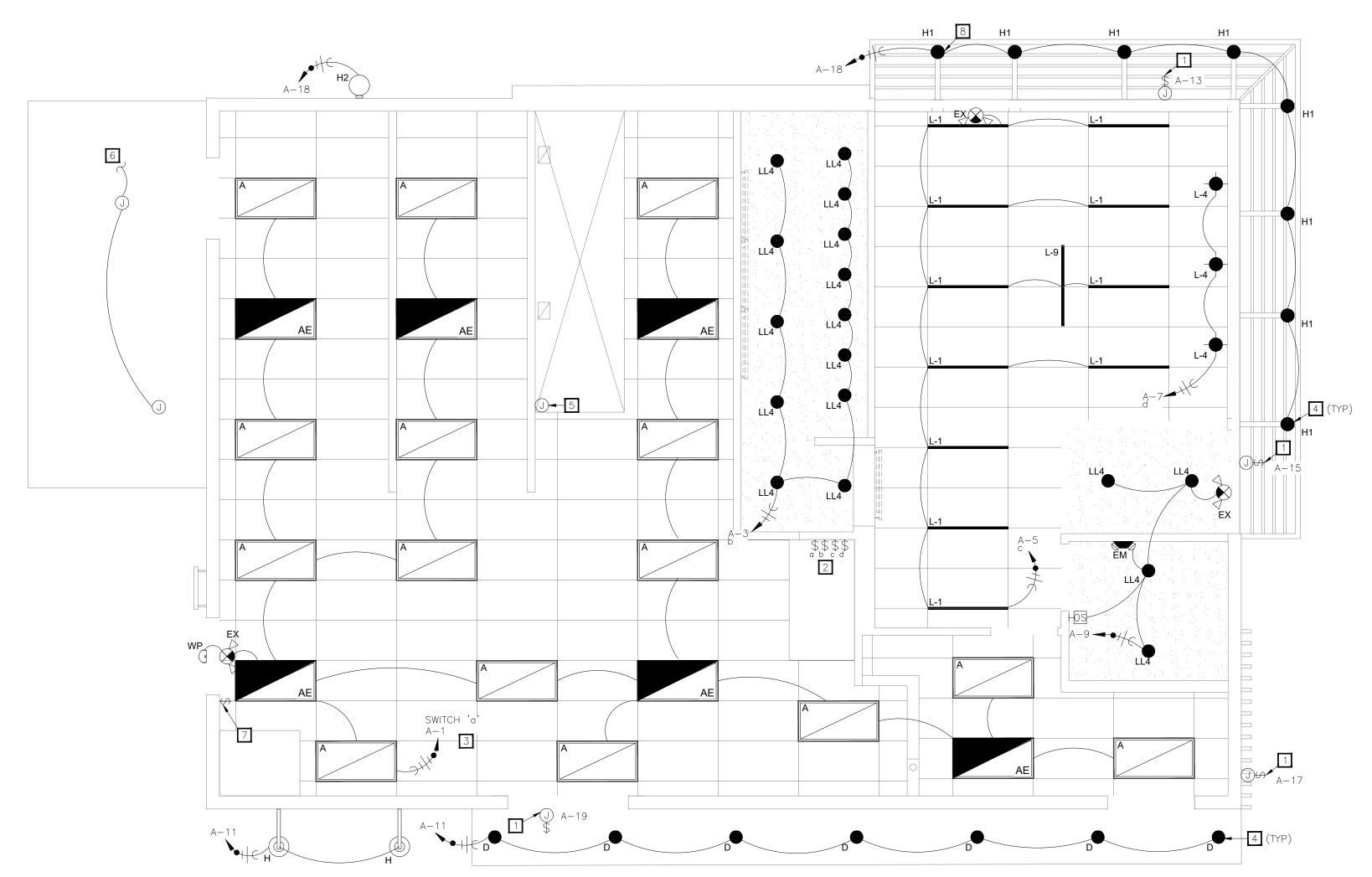
1517 NC 24-87 CAMERON, NC

2112-21

ELECTRICAL GENERAL NTOES AND LEGEND

Checked ΑH NOT TO SCALE JUNE 2023 Drawing No. C22-129

WEATHERPROOF MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS NOTED OTHERWISE.



1/4"=1'-0"

ELECTRICAL	KEYNOTES
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- PROVIDE WEATHERPROOF JUNCTION BOX AND TOGGLE TYPE 20A-1P DISCONNECT SWITCH IN AN ACCESSIBLE LOCATION FOR SIGNAGE. COORDINATE EXACT REQUIREMENTS WITH SIGN CONTRACTOR. VERIFY LOCATION PRIOR TO ROUGH-IN. CONNECTED TO TIMECLOCK.
- 2 LOCATION OF LIGHTING SWITCH BANK. REFER TO SWITCH BANK ELEVATION ON SHEET E3.1 FOR ADDITIONAL INFORMATION.
- RECIRCULATION PUMP WILL BE POWERED FROM KITCHEN LIGHTING CIRCUIT.
- 4 VERIFY ELECTRICAL CONNECTION REQUIREMENTS FOR CANOPY LIGHTING WITH CANOPY SUPPLIER AND EXTERIOR LIGHTING SPECIFICATIONS.
- JUNCTION BOX ON HOOD FOR CONNECTION TO PRE-WIRED HOOD LIGHTS. CONNECT TO KITCHEN LIGHTING CIRCUIT.
- 6 PROVIDE POWER TO WALK-IN-COOLER/FREEZER LIGHTING.
 7 TIME CLOCK OVERRIDE SWITCH.
- 8 FIXTURES IN ENTRANCE CANOPY TO BE WIRED THROUGH WOOD SUPPORT HOLDING PENDANT LIGHT. EACH FIXTURE TO HAVE JUNCTION BOX ON INTERIOR OF WALL.

 2 9/04/2023
 3 9/12/2023

NOTES TO ARCHITECT:

• FIXTURES IN THE KITCHEN HAVE REDUCED LUMEN OUTPUT/WATTAGE TO MEET COMCHECK.

	ISSUE	ISSUE TABLE						
	No.	Date (mm/dd/yy)	Description					
TION								
G								
	REVIS	IONS						
	No.	Date	Description					
	1	8/01/2023	RESPONSE TO CITY					
ORT	2	9/04/2023	HEALTH COMMENTS					

DRAWINGS REVISED AS PER DESIGN BULLETIN				
No. Date Description				

RESPONSE TO CITY



PROJECT NORTH

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9.13.2023

Company Logo



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POPEYES.

Store Type
US 2112 PROTOTYPE

2112-21

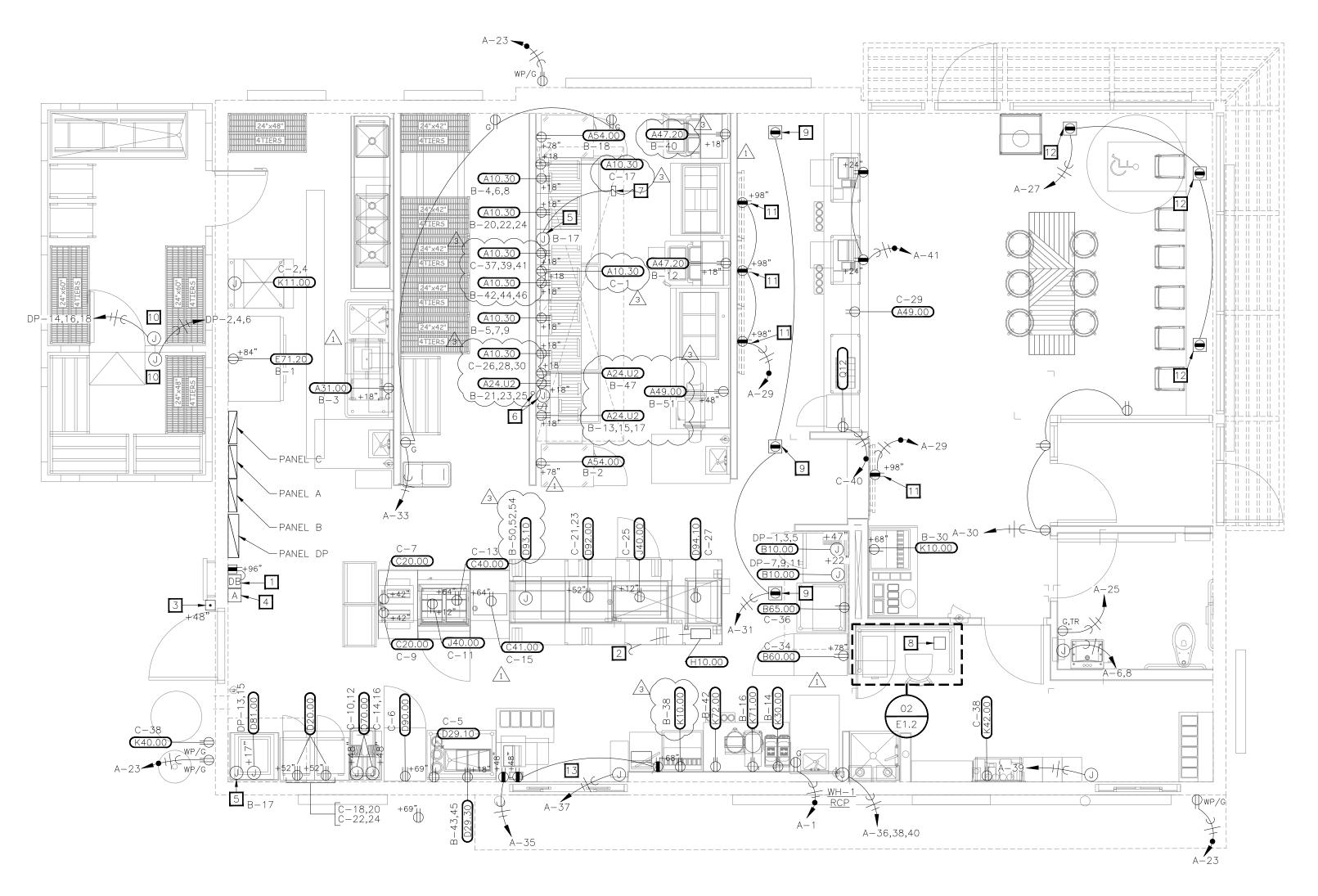
1517 NC 24-87 CAMERON, NC

awing Title

ELECTRICAL LIGHTING
PLAN

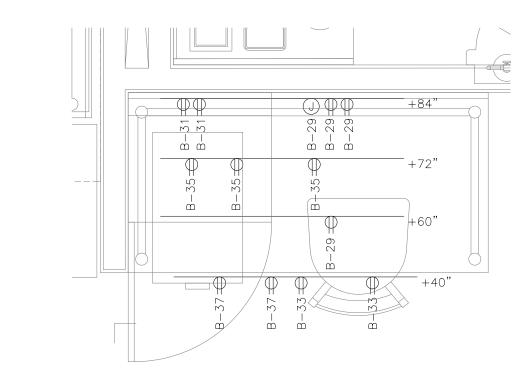
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Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
Project No. C22-129	Drawing No. E1.1

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS & BALLAST	MOUNTING	VOLTS	WATTS	REMARKS
А	2X4 LED TROFFER	BOH LIGHTING: 24-FPL1-LED-4000L-DIM10-MVOLT-35 -85	3500K LED	SURFACE	120	52	
AE	2X4 LED TROFFER W/ BATTERY BACKUP	BOH LIGHTING: 24-FPL1-LED-4000L-DIM10-MVOLT-35 -85-0-EMG-LED-20W	3500K LED	SURFACE	120	52	
L-1	LED SUSPENDED LIGHT	COMMERCIAL LIGHTING: BAS-SPWDL48-OAK-SPCC-LED-18W-35 K-010V	3500K LED	SURFACE	120	18	
L-4	LED ACCENT LIGHT	NOLA MAKERS: BAS-PPC-10-RAL5018-0B6ST-48LST	3500K LED	PENDANT	120	12	
LL4	6" RECESSED DOWNLIGHT	HERMITAGE: LD6IC-AT-DIMTR-120	3500K LED	RECESSED	120	11.5	
LL4	6" RECESSED DOWNLIGHT	COMMERCIAL LIGHTING: LD6IC-AT-DIMTR-120	3500K LED	RECESSED	120	11.5	ALTERNATE VENDOR
L-9	LED SUSPENDED LIGHT	TBD	TBD	SURFACE	120	TBD	
EX	LED EMERGENCY LIGHT	EXITRONICS: VLED-U-WH-EL90R	N/A	WALL	120	5	
EM	LED EMERGENCY LIGHT	EXITRONICS: LED-90	N/A	WALL	120	5	
WP	WALL PACK W/ PHOTOCELL	WESTGATE: WES-LESW20W50KP	LED EM LIGHT	WALL	120	20	
D	RECESSED DOWNLIGHT	COMMERCIAL LIGHTING: DAL-RGR4-CC-BK	5000K LED	RECESSED	120	14	
Н	LED GOOSENECKS	HERMITAGE: 93102318	3000K LED	WALL MOUNT	120	38	
H1	LED OUTDOOR SCONCE	COMMERCIAL LIGHTING: OUTDOOR SCONCE 1	LED	PENDANT	120	100	
P1	LED POLE LIGHT	HUBBELL LIGHTING: RAR2-320L-165-5K7-4W-UNV-ASQ-DB S	5000K LED	POLE MOUNT	UNV	165	



ELECTRICAL KEYNOTES

- PROVIDE DOUBLE DUPLEX RECEPTACLE ADJACENT TO TELEPHONE BOARD.
 PROVIDE #6 CU GROUND TO SERVICE ENTRANCE GROUND. SEE
 ARCHITECTURAL ELEVATIONS.
- 2 ALL POWER FOR ISLAND KITCHEN EQUIPMENT TO RUN THROUGH LOAD CENTER H10.00. CONDUIT TO RUN UNDER SLAB AND STUB AT H10.00.
- 3 SERVICE SIGN AND PUSHBUTTON FOR DOORBELL. 4 E.C. TO WIRE AND CONNECT REMOTE ANSUL PULLSTATION.
- 5 E.C. TO INSTALL AND WIRE RELAY CONTROL PANEL PACKAGE FOR HOOD EXHAUST FANS HEF-1 AND HEF-2. PROVIDE POWER AND INTERLOCK CONTROL WIRING FOR HP1-F CONTROL PANEL AND HOOD FIRE
- SUPPRESSION SYSTEM. SEE EXHAUST HOOD WIRING DETAIL SHEET E3.2. 6 HOOD ANSUL FIRE SUPPRESSION SYSTEM. PROVIDE 3/4" CONDUIT STUBBED ABOVE CEILING.
- 7 "ON/OFF" SELECTOR SWITCH AND PILOT LIGHT IN NEMA 4X STAINLESS STEEL ENCLOSURE MOUNTED ON THE FACE OF THE HOOD. PROVIDED BY HOOD MANUFACTURER.
- 8 OFFICE EXHAUST FAN SHALL BE CONNECTED TO OPERATE WITH AREA LIGHTING. INTERLOCK EXHAUST FAN WITH LIGHTS.
- 9 PROVIDE CEILING OUTLET WITH ISOLATED GROUND RECEPTACLES SUPPORTED FROM BUILDING STRUCTURE FOR VIDEO MONITOR, PRINTER, AND/OR HEADSET. VERIFY EXACT REQUIREMENTS AND LOCATION.
- 10 POWER CONNECTION TO WALK-IN FREEZER, EVAP, DEFROSTER, HEAT TAPE, AND DOOR HEATER.
- POWER FOR MENUBOARDS. REFER TO "MONITOR BRACKET DETAIL" ON SHEET E3.1 FOR MORE INFORMATION.
- 12 CEILING MOUNTED SHOW WINDOW RECEPTACLE.
- 13 SEE DETAIL 07, E3.1 FOR DRIVE-THRU AUDIO AND TIMERS DIAGRAM.



O 2 MANAGER'S DESK POWER PLAN
3/4"=1'-0"

ISSUE TABLE		
No.	Date (mm/dd/yy)	Description

REVISIONS					
No.	Date	Description			
1	8/01/2023	RESPONSE TO CITY			
2	9/04/2023	HEALTH COMMENTS			
3	9/12/2023	RESPONSE TO CITY			

DRAWINGS REVISED AS PER DESIGN BULLETIN			
No.	Date	Description	



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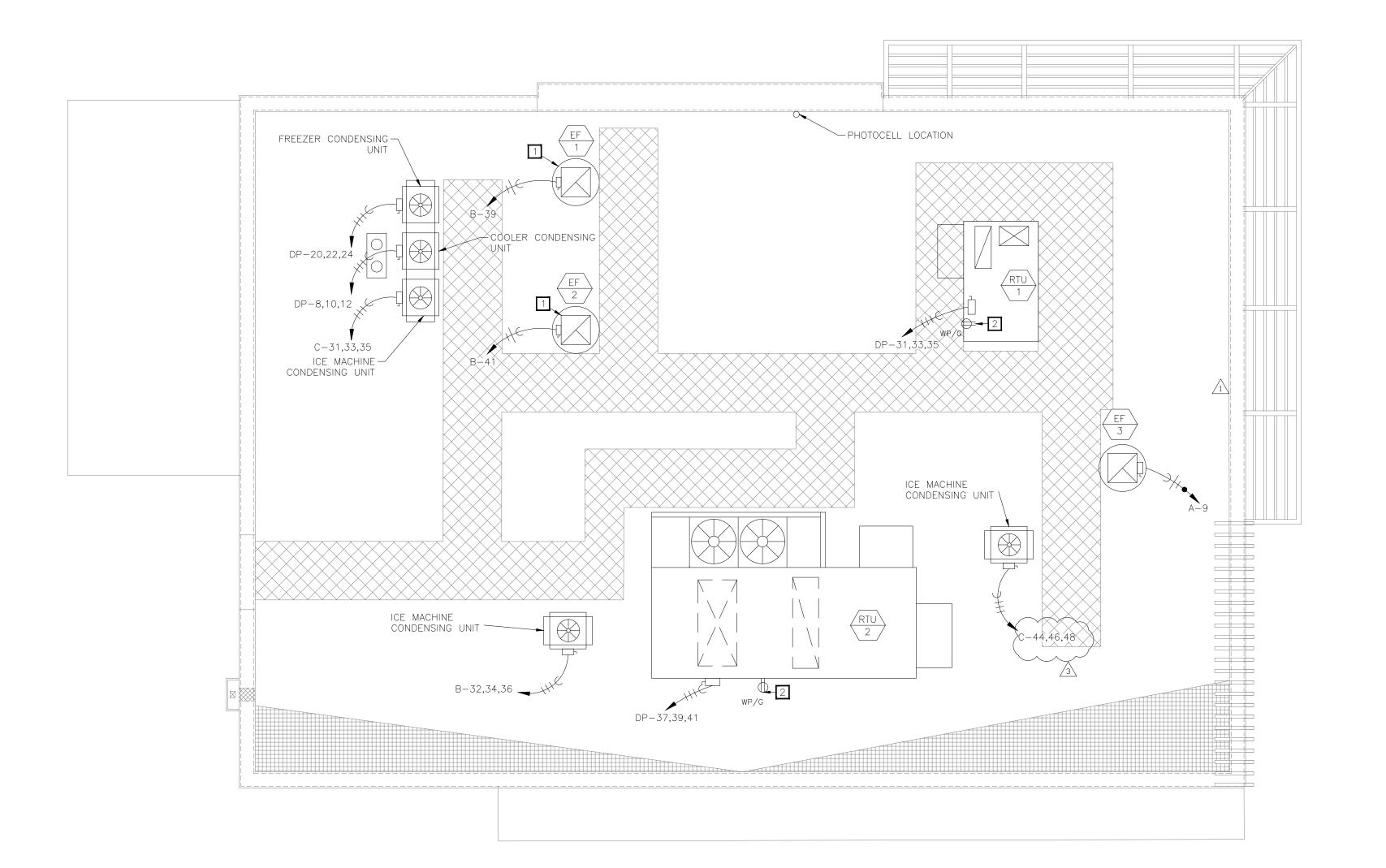


US 2112 PROTOTYPE

1517 NC 24-87 CAMERON, NC

ELECTRICAL POWER PLAN

Checked JUNE 2023 AS SHOWN C22-129 E1.2



POOF POWER PLAN

1/4"=1'-0"

ELECTRICAL KEYNOTES

PROVIDE CONNECTION TO ASSOCIATED SWITCH ON HOOD. COORDINATE ALL REQUIREMENTS WITH MECHANICAL DRAWINGS AND HOOD WIRING DIAGRAM PRIOR TO ROUGH—IN.

2 UNIT IS PROVIDED WITH UNIT MOUNTED UNIT POWERED CONVENIENCE RECEPTACLE.

ISSUE	TABL

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No.	Date (mm/dd/yy)	Description

REVISION

REVISIONS			
No.	Date	Description	
1	8/01/2023	RESPONSE TO CITY	
2	9/04/2023	HEALTH COMMENTS	
3	9/12/2023	RESPONSE TO CITY	

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



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Store Type
US 2112 PROTOTYPE

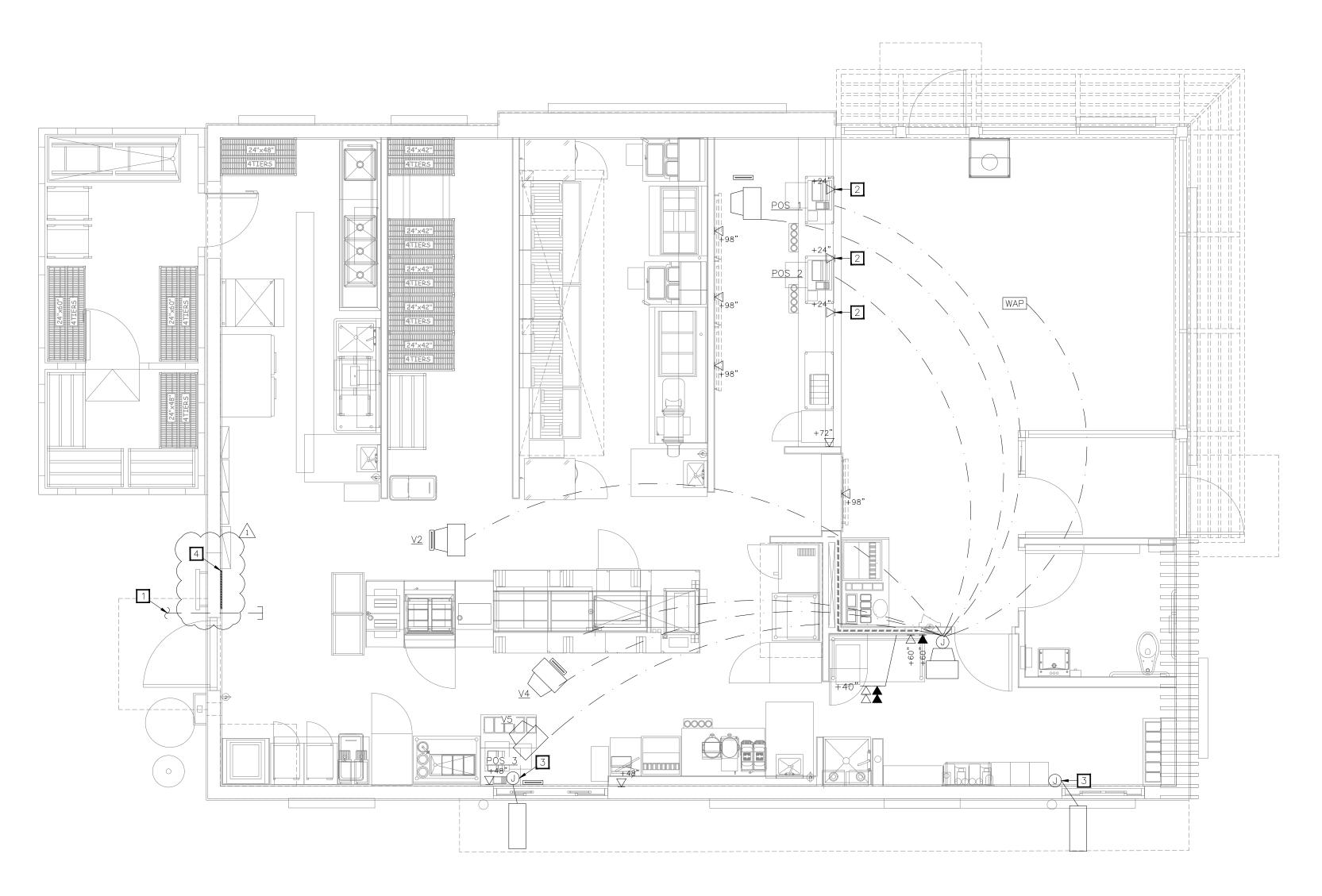
2112-21

1517 NC 24-87 CAMERON, NC

Drawing Title

ELECTRICAL ROOF PLAN

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Scale	Date	
1/4" = 1'-0"	JUNE 2023	ŒS
Project No.	Drawing No.	Щ
C22-129	E1.3	PO



1 LOW VOLTAGE PLAN

1/4"=1'-0"

POS LEGEND

---- BUMP BAR WIRING

---- VIDEO MONITOR AND POS WIRING

BB - BUMP BARS

V1 = VIDEO 1

V2 = VIDEO 2

POS - POINT OF SALE TERMINAL

WIRELESS APPLICATION PROTOCOL

SYMBOLS LEGEND NOTES:
MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR TO THE

V3 = VIDEO 3 V4 = VIDEO 4 V5 = VIDEO 5

CENTERLINE OF THE DEVICE UNLESS NOTED OTHERWISE.

MONITOR

NOTES TO ARCHITECT:

• ENGINEER NEEDS LOCATIONS FOR ALL SPEAKERS

SECURITY WIRING (CAT6)

ELECTRICAL KEYNOTES

- (2) 2" CONDUITS FROM TELEPHONE BOARD TO A LOCATION COORDINATED WITH LOCAL TELEPHONE COMPANY. OWNER REQUIRED SERVICE CONDUITS SHALL BE SIZED FOR 25 PAIR (MINIMUM). TELEPHONE SERVICE CONDUITS SHALL BE INSTALLED WITH PULL WIRE. CONDUITS RISE FROM U.G. INSIDE EXTERIOR WALL, TURN 90 DEGREES, AND TERMINATE IN BUILDING. SEE ARCHITECTURAL ELEVATIONS.
- FRONT COUNTER REGISTER DATA OUTLETS MOUNTED ON INSIDE OF MILLWORK. PROVIDE 1" CONDUIT WITH PULL STRING FOR POS DATA
- PROVIDE JUNCTION BOX WITH 1" CONDUIT WITH PULL STRING THROUGH CURB TO 2" BELOW PAVEMENT LINE FOR CAR SENSOR DETECTOR LOOP. COORDINATE WITH CIVIL PLANS AND COORDINATE INSTALLATION IN FIELD WITH SUPPLIER.
- PROVIDE 3/4" X 18" X 24" W PLYWOOD TELEPHONE BOARD PAINTED WITH 2 COATS OF "LISTED" FIRE RETARDANT LIGHT GRAY COLOR PAINT.

ISSUE TABLE		
No.	Date (mm/dd/yy)	Descriptio

3 9/12/2023

 REVISIONS

 No.
 Date
 Description

 1
 8/01/2023
 RESPONSE TO CITY

 2
 9/04/2023
 HEALTH COMMENTS

DRAWINGS REVISED AS PER DESIGN BULLETIN No. Date Description

RESPONSE TO CITY





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REGISTER CONNECTION NOTES

- A. CABLES SHALL BE CAT6.
- B. BUMP BARS SHALL BE MOUNTED TO DELIVER SYSTEM AT AREAS MARKED "BB".
- C. BUMP BAR CABLES SHALL BE RUN THROUGH DELIVERY SYSTEM FROM MOUNT UP THROUGH WALLS TO ABOVE THE CEILING AND BACK TO THE MANAGER STATION.
- D. CRT MONITORS SHALL BE MOUNTED ON CEILING BRACKETS PROVIDED BY REGISTER SYSTEM.
- E. WHERE CABLING IS INSTALLED IN WALLS, IT SHALL BE ROUTED IN 1" CONDUIT THROUGH THE WALL TO ABOVE ACCESSIBLE CEILING.

POPEYES RADIO SYSTEM PROVIDED BY OWNER

DESCRIPTION	MAKE	MODEL	QUANTITY
RECESSED SPEAKERS*(DINING)	BOSE	MODEL #16, BLACK	4
RECESSED SPEAKERS*(KITCHEN) MUZAK	MBS 8-ST3, BLACK	2
OUTDOOR BOX SPEAKERS*	OWI	701	4
AMPLIFIER	PASO	MU 3130 BGM	1
SPEAKER SUPPORT	QUAM	SSB-2	2
SPEAKER BACKCAN	QUAM	ERD-8	2
CABLE, CONNECTORS, HARDWARE AND SHELF	VARIOUS	VARIOUS	1
AREA VOLUME CONTROL	QUAM	QC-10	3
RECEIVER	ECOHO STAR	3000	1
DISH	CH MASTER	1.0 ANTENNA	1

* NUMBER OF SPEAKERS MAY VARY DUE TO DESIGN CONSIDERATIONS

* LABOR INCLUDES INSTALLATION OF 150' OF 12 GAUGE SPEAKER WIRE.

SEE THE NATIONAL ACCOUNT VENDOR LIST FOR EQUIPMENT SUPPLIER.

Project	
	19 72
	POPEYES.

Store Type
US 2112 PROTOTYPE

1517 NC 24-87

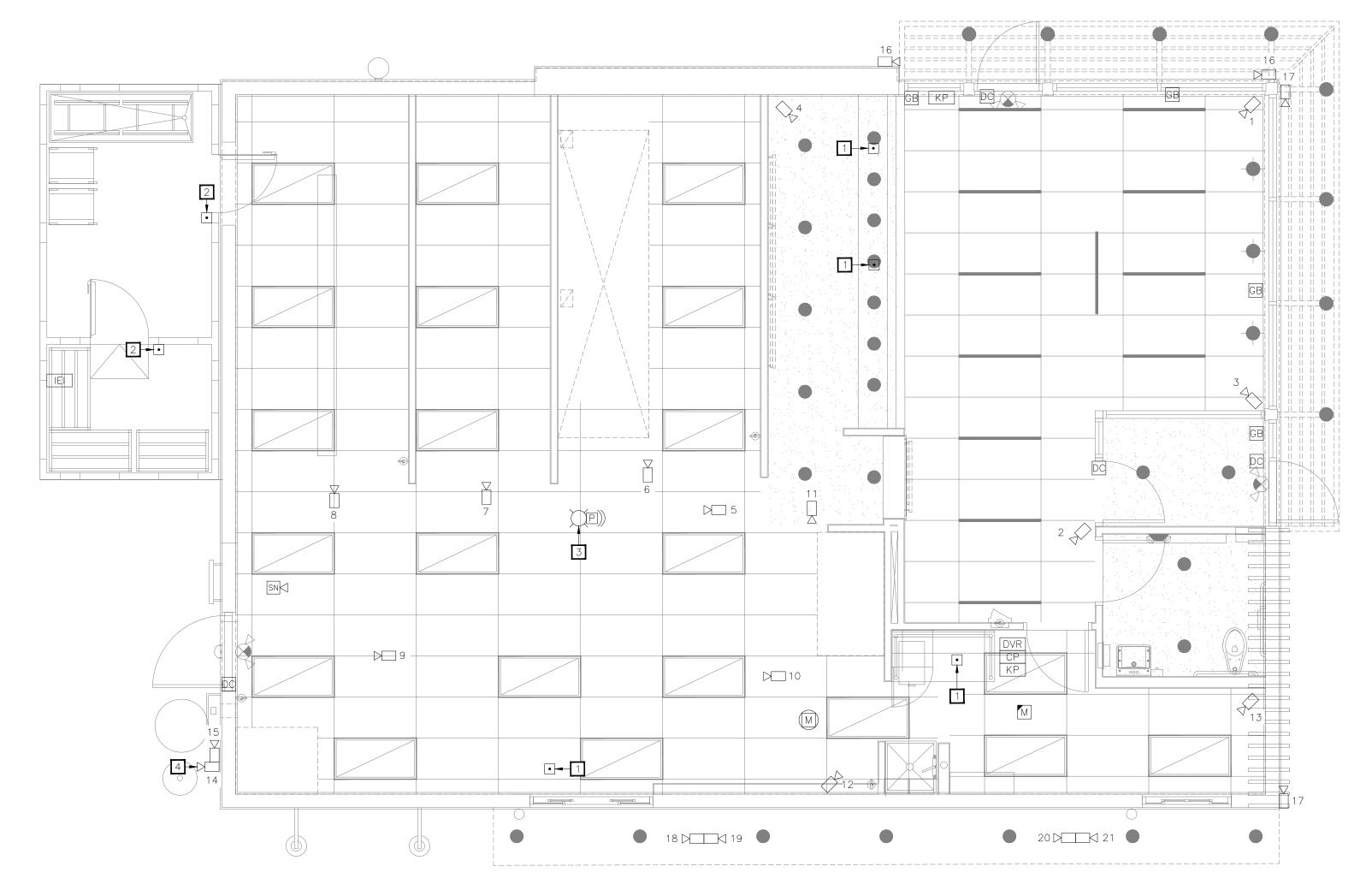
2112-21

CAMERON, NC

Drawing Title

ELECTRICAL POS PLAN

Drawn	Checked
JP	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	E1.4



 $\int \int \frac{\text{SECURITY PLAN}}{1/4"=1'-0"}$

ELECTRICAL KEYNOTES

- 1 PROVIDE PANIC BUTTON INSTALLED ON UNDERSIDE OF COUNTER/ DESK.
 2 PROVIDE WEATHERPROOF/ COLD—PROOF HOLD—UP PANIC BUTTON INSIDE WALK—IN COOLER/ FREEZER. COORDINATE EXACT INSTALLATION AND LOCATION WITH POPEYES CONSTRUCTION MANAGER.
- 3 STROBE LIGHT -AS SL-401B-BLUE STROBE LIGHT MOUNTED IN KITCHEN. LIGHT WILL FLASH CONTINUOUSLY WHILE BACK DOOR IS OPEN.
- 4 MOUNT CAMERA ON BUILDING CORNER AND ORIENT TO FACE DRIVE—THE MENU BOARD.

POPEYES MATERIAL LIST

<u>CAMERAS</u>

- A. CAMERA ACCESSORIES AND DETAILS:
- A.A. 6 OR 7 LOCATIONS (LOCATIONS W/OUTDOOR CAMERAS)
 A.B. 2 OR 3 GIT100-GROUND ISOLATION TRANSFORMERS
 A.C. LTC 0430/20-38 SERIES CAMERA W/ 3.5-8MM VARIFOCAL AUTOIRIS LENS
- A.D. TC 9340A SERIES OUTDOOR HOUSING A.E. TC9211PM POLE MOUNT ADAPTER
- A.F. NC CONNECTORS FOR PLENUM CABLE
 A.G. LEX CONDUIT FOR OUTDOOR CAMERAS RUN INSIDE POLE
 FOR CABLING
- B. INDOOR CEILING MOUNT IN TINTED DOME:

 B.A. FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY
- DROPPED OUT OF TILE

 B.B. LTC 0430/20-38 SERIES CAMERA W/ 3.5MM-8MM
- VARIFOCAL AUTOIRIS LENS B.C. TC 9345MT7 INDOOR TINTED DOME
- B.D. BNC CONNECTORS FOR PLENUM CABLE

<u>office area</u>

- C. AC-BURGLAR ALARM CONTROL: VISTA 20SEUL
- D. VCR LOCK BOX : TC3922 SERIES
 E. VCR: LTC 3924 SERIES PLACE ON SECURITY LOCK FOR NO
- TAMPER
 F. MONITOR: LTC 2813/60 SERIES
- G. ALTV248: 8 POSITION POWER SUPPLY
 H. QUICK REFERENCE SHEETS
- I. ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN EMPLOYEE ONLY AREA CLOSEST TO KEYPAD OR IN OFFICE AREA PER CUSTOMER INSTRUCTION
- J. VCR INSTRUCTION SHEETS (2) 1-REVIEW & 1-RECORD-TO BE MOUNTED ON WALL CLOSEST TO VCR
 K. 2-HUB: HOLD UP BUTTON 441494 SERIES LATCHING HUB
- FOR LOCATIONS WITH 6 OR MORE CAMERAS: ADD MULTIPLEXER LTC

2641/60. PLACE ON NO-TAMPER SECURITY LOCK.

FOR LOCATIONS WITH 4 CAMERAS OR LESS: ADD VIDQUAD 4 CHANNEL LTC 2272/60

STOVE/ PREP AREA

- L. STROBE LIGHT-AS SL-401B-BLUE STROBE MOUNT BEHIND MENU BOARD.
- L.A. STROBE LIGHT WILL FLASH CONTINUOUSLY WHILE BACK DOOR IS OPEN
- M. SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH STROBE BEHIND MENU BOARD.

 M.A. SOUNDER WILL SOUND WHEN BACK DOOR IS OPENED.
- M.B. MANAGER WILL SILENCE ST SOUNDER AT KEYPAD AFTER 1ST TONE
- N. MOTION DETECTOR—AP 669 PIR—360 MOTION MOUNT IN STOVE AREA.

 N.A. MOTION DETECTOR RADIUS TO INCLUDE DRIVE—UP WINDOW AREA AND GENERAL REAR AREA.

LOBBY/ PERIMETER AREA/ BACK OF HOUSE

- O.A. MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM LOBBY
 P. FG 1025 GLASS BREAK
 P.A. GLASS BREAK FOR LOBBY GLAZING. PROVIDE ONE ON EACH
- SIDE OF BUILDING. COORDINATE EXACT DEVICE LOCATION
 AND INSTALLATION.
 Q. B4039 DOOR CONTACT
 Q.A. PROVIDE FOR ALL EXTERIOR DOORS. BACK DOOR CONTACT
- Q.A. PROVIDE FOR ALL EXTERIOR DOORS. BACK DOOR CONTACT
 TO ACT AS ALARM POINT FOR REAR "OPEN DOOR" ALARM.
 SOUNDER AND BLUE STROBE TO ACTIVATE WHEN BACK DOOR
 IS OPEN.
- R. 3050CT SERIES HOLD-UP PANIC BUTTON
 R.A. LATCHING HUB IN COOLER/FREEZER. MOUNT 18" AFF ON
- HINGE SIDE OF DOOR SUB UP IN CONDUIT
 S. POINT OF CONNECTION TO NKL SAFE
 S.A. PIGTAIL PROVIDED BY NKL SAFE
- T. RELAYS FOR BACK DOOR/POC/ZONE EXPANSION
 U. TELCO JACK
 V. WATTS LINE

REFERENCE ONLY

SECURITY SYMBOL	LEGEN	ID			
DEVICE	SYMBOL	QTY.	DEVICE	SYMBOL	QTY.
DOOR CONTACT	DC	4	DOME CAMERA (PROVIDE EXTERIOR RATINGS WHERE REQUIRED)		21
HORN/ SOUNDER	SN	1	14 INCH MONITOR	M	1
CONTROL PANEL	СР	1	DIGITAL VIDEO RECORDER	DVR	1
SECURITY KEYPAD	KP	2	IEI KEYPAD	IEI	1
MOTION DETECTOR (CEILING MOUNT)	M	1	STROBE LIGHT	X	1
GLASS BREAK	GB	4	PIEZO	P))	1
HOLD-UP PANIC BUTTON	•	6			

SECURITY ACCEPTANCE FORM NOTE

CONTRACTOR TO FILL OUT "SECURITY INSTALLATION ACCEPTANCE FORM/CHECKLIST" ON SHEET E1.0 TO FINALIZE INSTALLATION OF SECURITY

ISSUE TABLE

	No.	Date (mm/dd/yy)	Description
SK.			
SIDE			
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REVISIONS

No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



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Store Type
US 2112 PROTOTYPE

2112-21 Location

> 1517 NC 24-87 CAMERON, NC

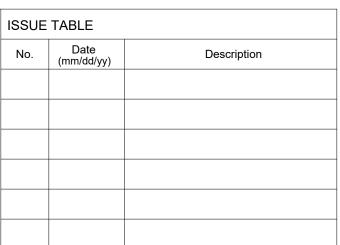
Drawing Title

ELECTRICAL SECURITY PLAN

Drawn	Checked
JP	AH
Scale	Date
1/4" = 1'-0"	JUNE 2023
Project No.	Drawing No.
C22-129	E1.5

ELECTRICAL KEYNOTES

PROVIDE 120V WIRING TO DUCT MOUNTED SMOKE DETECTORS AND REMOTE TEST INDICATORS.



REVIS	ONS Date Description 8/01/2023 RESPONSE TO CITY 9/04/2023 HEALTH COMMENTS 9/12/2023 RESPONSE TO CITY			
No.	Date	Description		
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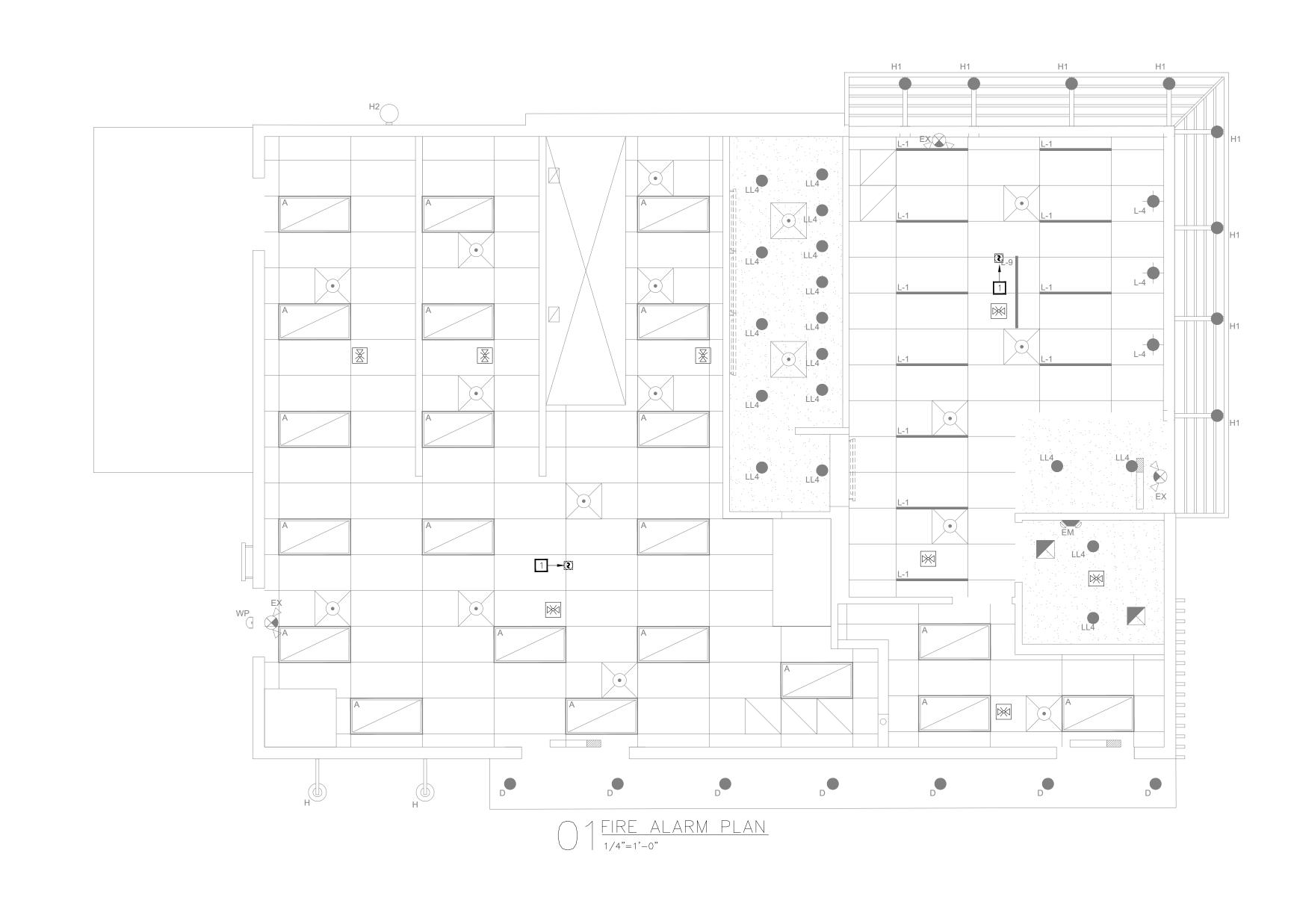
US 2112 PROTOTYPE 2112-21

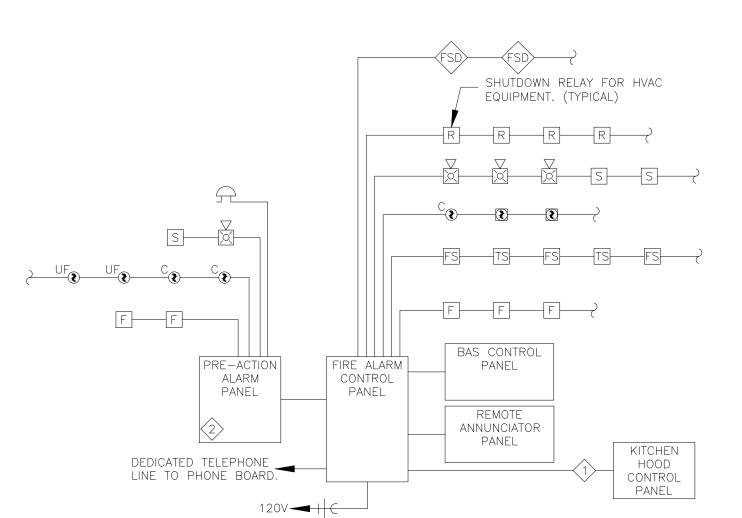
1517 NC 24-87

CAMERON, NC

Drawing Title **ELECTRICAL FIRE ALARM** PLAN

Checked AS SHOWN **JUNE 2023** Drawing No. C22-129 E1.6





ELECTRICAL CONTRACTOR SHALL PROVIDE RELAY CONNECTION BETWEEN KITCHEN EXHAUST HOODS AND FIRE ALARM SYSTEM. NUMBER OF CIRCUITS REQUIRED FOR ALL DEVICES, DATA ROOM SHALL BE MONITORED AND SIGNALED INDEPENDENTLY.

INCLUDING VOLTAGE DROPS AND BATTERY CALCULATIONS.

2 FIRE ALARM RISER DIAGRAM NOT TO SCALE

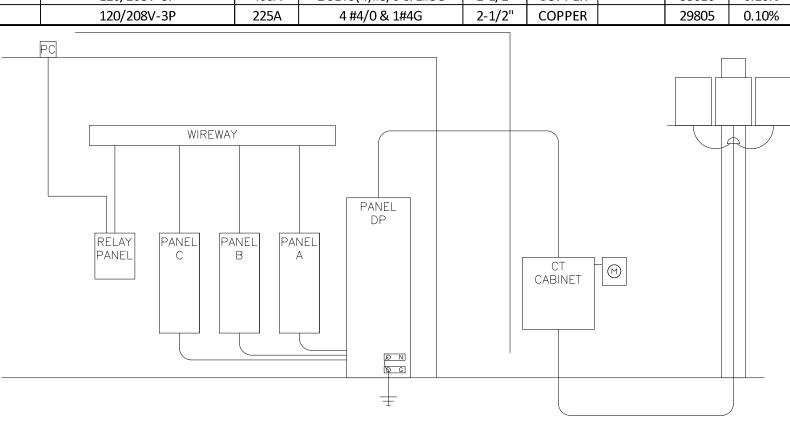
FIRE ALARM CONTRACTOR SHALL VERIFY EXACT

				<u>FEEC</u>	DER			CONN	<u>ECTION</u>				
EQUPIMENT MARK	ITEM DESCRIPTION	VOLTAGE- PHASE	МОСР	CONDUCTOR & GROUND	PIPE	MATERIAL	TYPE	<u>AMPERAGE</u>	POLES	<u>FUSES</u>	<u>NEMA</u>	HEIGHT	REMARKS
		1001100			4.0	000000						4.011	
A10.30	MULTIPLE LE FRYER SYSTEM, ELECTRIC	120V-3P	70A	1 SET(6)#6,#10G	1"	COPPER	RECEPTACLE	56A	3		5-15	18"	Amperage per vat. Needs power for contro
A24.U2	MULTIPLE LE FRYER SYSTEM, ELECTRIC	208V-3P	60A	1 SET(4)#10,#8G	3/4"	COPPER	RECEPTACLE	47A	3		5-15	18"	Amperage per vat. Needs power for control
A31.00	MARINATOR	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	18"	
A47.10	BATTER CART	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	18"	
A47.20	BATTER CART	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
A47.30	BATTER CART	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	18"	
A49.00	DRUMROLL	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
A54.00	REACH-IN-FREEZER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	78"	
AB54.00	REACH-IN-FREEZER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
B10.00	CONVECTION OVEN	120/208-3P	40A	1 SET(4)#8,#10G	3/4"	COPPER	HARDWIRE	24A	2			22"-47"	
B20.00	COUNTERTOP MIXER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
B60.00	REACH-IN-REFRIGERATOR	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	78"	
B65.00	BISCUIT HOLDING UNIT	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
C20.00	TOASTER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	42"	
C40.00	PRODUCT HOLDING BIN	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
C41.00	PRODUCT HOLDING BIN	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20	64"	
D20.00	MICROWAVE OVEN	208V-1P		1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	2		6-15	40"-52"	
D29.00	DIPPER WELL	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
D20.10	UTENSIL HOLDER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1				
D29.30	HOT WELLS	208V-1P	20A	1 SET(3)#12,#12G	1/2"	COPPER	RECEPTACLE	5A	2				
D29.80	HOT WELLS	208V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	HARDWIRE		1				PROVIDE FOR (2) HOT WELLS
D50.00	ELECTRIC BOOSTER HEATER	208V-3P	30A	1 SET(3)#10,#10G	1/2"	COPPER	HARDWIRE		3				, ,
D70.00	HOT WATER DISPENSER	208V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	HARDWIRE		2			48"	
D81.00	RETHERMALIZER, WATER TANK, ELECTRIC	208V-1P	60A	1 SET(2)#6,#10G	3/4"	COPPER	HARDWIRE		2			17"	
D90.00	COOK & HOLD OVEN	120V-1P	20A	1 SET(2)#10,#10G	1/2"	COPPER	RECEPTACLE	19A	1		6-30	69"	
D92.00	SIDE HOLDING BINS	208V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	2		6-15	LOADCNTR	INCLUDED IN #H10
D92.00DM	HOT HOLDING CABINET	208V-1P	30A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	30A	2		6-30		
D93.10	HOLDING BIN	208V-1P	35A	1 SET(2)#8,#10G	1/2"	COPPER	HARDWIRE	30,1					
D94.00DM	HOT HOLDING CABINET	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20		
D94.00PC	PROTEIN HOLDING BIN	208V-1P	30A	1 SET(2)#10,#10G	1/2"	COPPER	RECEPTACLE	30A	2		6-30		
D94.10PC	BISCUIT HOLDING UNIT	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
E10.00	WALK-IN COOLER/FREEZER	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	HARDWIRE	15/4	1		J 13		SEE SPECS
E71.00	EVEN-THAW REFRIGERATOR	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	84"	SEL SI LES
E71.20	THAWING CABINET	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20	04	
F15.10	FAB ELECTRICAL	208V-1P	15A	1 SET(2)#12,#12G	1-1/4"	COPPER	HARDWIRE	20A	2		3-20		SEE SPECS
GR10.00	CONTACT GRILL	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20		SLL SF LCS
H10.00	FAB ELECTRICAL	120V-1P 120/208V-3P	15A		1/2"	COPPER	HARDWIRE	ZUA	3		5-20		LOAD CENTER
		 	20A	1 SET(4),#4,#8G	1/2"	COPPER	RECEPTACLE	20A	3		Г 20		LOAD CENTER
H90.00	HOLDING CABINET	120V-1P		1 SET(2)#12,#12G	 	+			1		5-20	120	
J40.00	UNDERCOUNTER REFRIGETATOR	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	12"	
K10.00	ICE MAKER, CUBE-STYTLE	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15	68"	
K30.00	DRINK MACHINE	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	HARDWIRE		1			50"	
K11.00	ICE MAKER, CUBE-STYLE	208V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	HARDWIRE	4=-	2			66"	<u> </u>
K30.00	DRINK MACHINE	120V-1P	15A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	15A	1		5-15		
K42.00	BAG N BOX	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-15		
K40.00	OIL MANAGEMENT SYSTEM	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20		
K71.00	TEA BREWER	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	RECEPTACLE	20A	1		5-20		

			FEEDI	<u>ER</u>			CONNECTIO	<u>N</u>			DENAA
EQUIPMENT MARK	VOLTAGE-PHASE	МОСР	CONDUCTOR & GROUND	PIPE	MATERIAL	TYPE	AMPERAGE	PERAGE POLES		<u>NEMA</u>	REMA
RTU-1	208V-3P	90A	1 SET(3)#3, #8G	1-1/4"	COPPER	INTEGRAL DISCONNECT			NF		
RTU-2	208V-3P	175A	I SET(4)#2/0,#6G	2"	COPPER	INTEGRAL DISCONNECT			NF		
EF-1	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	PROVIDE DISCONNECT	20A	1	NF	3R	
EF-2	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	PROVIDE DISCONNECT	20A	1	NF	3R	
EF-3	120V-1P	20A	1 SET(2)#12,#12G	1/2"	COPPER	PROVIDE DISCONNECT	20A	1		3R	
ICE CONDENSER	208V-3P	20A	1 SET(3)#12,#12G	3/4"	COPPER	PROVIDE DISCONNECT	20A	3		3R	
ICE CONDENSER	208V-3P	20A	1 SET(3)#12,#12G	3/4"	COPPER	PROVIDE DISCONNECT	20A	3		3R	
ICE CONDENSER	208V-3P	20A	1 SET(2)#12,#12G	3/4"	COPPER	PROVIDE DISCONNECT	20A	3		3R	
COOLER CONDENSER	208V-3P	20A	1 SET(3)#12,#12G	3/4"	COPPER	PROVIDE DISCONNECT	20A	3		3R	
FREEZER CONDENSER	208V-3P	30A	1 SET(3)#12,#12G	3/4"	COPPER	PROVIDE DISCONNECT	30A	3		3R	

NOTE	ES:
	1 CIRCUIT THROUGH RELAY PANEL FOR CONTROL. SEE SCHEDULE FOR ADDITIONAL INFORMATION

FEEDER SCHEDULE													
			<u>FEEDE</u>	<u>R</u>									
EQUIPMENT MARK	<u>VOLTAGE-PHASE</u>	<u>MOCP</u>	CONDUCTOR & GROUND	<u>PIPE</u>	MATERIAL	REMARKS	FAULT CURRENT	VOLTAGE DROP					
UTILITY	500KVA 120/208V-3P INFINITE						111935						
DP	120/208V-3P	1000A	4 SETS(4)#250	3"	COPPER		36392						
А	120/208V-3P	225A	4 #4/0 & 1#4G	2-1/2"	COPPER		30819	0.10%					
В	120/208V-3P	400A	2 SETS(4)#3/0 & 1#3G	2-1/2"	COPPER		33616	0.10%					
С	120/208V-3P	225A	4 #4/0 & 1#4G	2-1/2"	COPPER		29805	0.10%					

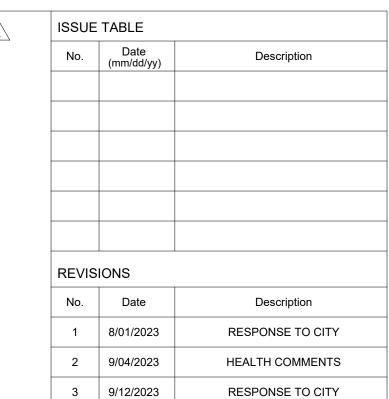


1 ELECTRICAL RISER DIAGRAM
NO SCALE

PANELBOARD:	С						MAIN SIZE	:		225 A	VOLTS:		120/208		
PANEL TYPE :	NQ				MAIN TYP	E:		MLO T	PHASE/WIRE:		3/4		1		
LOCATION:	B.O.H.						BUS TYPE:	:		COPPER	MOUNTING:		SURFACE		1
									- '		PANEL IC RATING:	42,000 AIC			1
LOAD CKT DESIGNATION	~~	WIRE		PL AMPS	PHASE	PHASE	PHASE	AMPS	PL	LOAD	WIRE		DESIGNATION	СКТ	LO
0 1 A10.30 - FRYER CON	ITROLS	2 #12.1#12G.3/4"C	1020	1 20	2164	В	C	15	2	1144 2	SIZE 2 #12.1#12G.3/4"C	K11.00 -	ICE MAKER **	2	1 6
3 SHUNT TRIP		2 112,11120,5,4 0	1020)2104	1144	7	-	- 1	1144 -	112,11120,5,7 + 0	-		4	1 0
K , 5 D29,10 - UTENSIL HC	LDER,**	2 #12,1#12G,3/4"C	, 100	1 ,15			2392	20	1		#12.1#12G.3/4"C	D90.00 -	COOK & HOLD OVEN **	6	Тĸ
K 7 C20.00 - TOASTER **		2 #12.1#12G.3/4"C	1800	7 20	1800	1		20	1		,,.	SPARE		8	\top
K 9 C20.00 - TOASTER **	,	2 #12,1#12G,3/4"C	1800	1 20		3360	7	20	2	1560 2	#12,1#12G,3/4"C	D70.00 F	OT WATER DISPENSER **	10	K
K 11 J40.00 - U/C FRIDGE	**	2 #12,1#12G,3/4"C	300	1 15			1860	- 1	- 1	1560 -		1-		12	K
K 13 C40.00 HOLDING BIN	**	2 #12,1#12G,3/4"C	1386	1 15	2946	1		20	2	1560 2	#12,1#12G,3/4"C	D70.00 F	OT WATER DISPENSER **	14	K
Y 15 C41.00 HOLDING BIN	**	2 #12,1#12G,3/4"C	1000	1 20-	<u> </u>	2560	7	-	- 1	1560 -		-		16	K
O 17 A10.30 - FRYER CON	ITROLS	2 #12,1#12G,3/4"C	1020	1 20	\		2434	20	2	1414 2	#12,1#12G,3/4"C	D20.00 N	IICROWAVE OVEN **	18	K
19 SHUNT TRIP)1414	1		-	- 1	1414 -		-		20	K
K 21 D92,00 - SIDE HOLDI	NG BINS **	2 #12,1#12G,3/4"C		2 _20	/	3084	7	20	2	1414 2	#12,1#12G,3/4"C	D20.00 N	/ICROWAVE OVEN **	22	K
K 23 -			1670			,	3084	-	- 1	1414 -		-		24	r
O 25 J40.00 - U/C FRIDGE	**	2 #12,1#12G,3/4"C	300	1 15	7024]		70	3	6724 3	#4,1#8G.1 1/4"C	A10.30 -	FRYER (ELECTRIC) **	26	1
K 27 D94.10 - BISCUIT HO	LDING UNIT **	2 #12,1#12G,3/4"C	1380	1 15		8104	1			6724		I		28	k
K 29 A49.00 DRUMROLL		2 #12,1#12G,3/4"C	1800	1 20		•	8524 /		\rightarrow	6724 -		7-		30	T
O 31 ICE MACHINE COND	ENSER	3 #12,1#12G,3/4"C	458	3 15	458]		-	- 1			SHUNT	TRIP	32	T
O 33			458			1178	7 `	15	,1	, 7,20 2	!_#12,1#12G,3/4"C _		REACH-IN FRIDGE ** , ,	34	7
O 35			458			•	1458	15	M	1000 2	#12,1#12G,3/4°C	B65.00 E	BISQUIT HOLDING UNIT **	36	T
K 37 A10.30 - FRYER (ELE	ECTRIC) **	3 #4,1#8G.1 1/4"C	6724	3 70	6904]		20	1	180 2	#12,1#12G,3/4"C	K40.00 -	OIL MGMT SYSTEM	38	
K 39			6724			7084	7	20	1_	360 2	#12,1#12G,3/4"C	Q12		_40	_ F
42			672,4	\ \ \		,	7224	20	M	560 2	/#12,1#12G,3/4"C	HOODE	ONTROLS	42	3
43 SHUNT TRIP				-	458			15	3	458 3	#12,1#12G,3/4"C	ICE MAC	CHINE CONDENSER	44	
45 SPARE				1 20		458			-	458		-		46	
47 SPARE				1 20)		458\		-	458		-		48	C
49 SPARE				1 20				20	1			SPARE		50	
51 SPARE				1 20			1 (20	1			SPARE		52	
53 SPARE				1 20				20	1			SPARE		54	
			36792		/23168	26972	27434	٣	ΛĹ	40782		$\overline{}$		<u> </u>	$\overline{}$
		LOAD SUMMARY	I annu annu	DESCASIO	DEMAND LO	> A D/I/// A \ DE	D DILACE								7
NEC CODE REFERENCE	LOAD LOAD (LATEGORY	TOT KVA				PHASE C	KVA		AMP	MARK *	PROVID	REMARKS E HACR BREAKER		4
220.12/220.42/220.43/220.14(F)		NG	0.00	1.00	0.00				0.00	0.00	**	GROUNI			-
220.14(I)(H), 220.44	R RECEPT		0.36	1.00	0.00				0.36	1.00	^		CTED TO FIRE SUPPRESSION	N SVST	LE M
220.14(f)(1), 220.44 220.14(C)/430.24						0.00		_	_		#		JND/GFCI BREAKER	10101	7
220.14(0)/430.24			0.00	1.00	0.00		+		0.00	0.00	***		TING CONTROL PANEL		4
220.60/440.6/440.7		N EQUIPMENT: NDITION:	0.00	0.65 1.00	12.75 0.00	15.49 0.00			4.48 0.00	123.48 0.00		TAIN FIGE	THING CONTROL PAINEL		4
220.51/220.60		NDITION: ELECTRIC):	0.00	1.00	0.00	0.00			0.00	0.00	PHASE DEMAND LOAD		% UNBALANCE	$\overline{}$	L
220.31/220.80 220.14(A)	O OTHER		8.78	1.00	3.56				8.78	24.36	PRASE DEIVIAND LOAL	KVA	AMPS		
220. 14(A)				1.00							DH A				
	SUB TO	IAL	77.57	100/	16.31	18.63			3.62	148.84	PH A PH B	17.9			
210.20(A)/215.2(A)(1)/230.42(A)	SPARE		0.00	10%	1.63	1.86			5.36	14.88	PH C	20.4			
220.14(C)/430.24			0.00		0.00				0.00	0.00	PROVIDE:	GROUNI			
220.14(C)/430.24		FAL.	0.00		0.00				0.00	0.00	FROVIDE.		ED GROUND BUS		
	TOTAL:				17.94	20.49	20.55) 5:	8.98	163.72			EUTRAL BUS		

				DP	_							MAIN SIZE:		-+		A VOLTS:		120/208		1
	EL TY			I-LIN								MAIN TYPE	=:	\dashv	MCB `	PHASE/WIRE:		3/4		-
OCA	OITA	N:	;	B.O.	Н.							BUS TYPE:			COPPER	MOUNTING:		SURFACE		
																PANEL IC RATING:		42,000 AIC		
.OAD	CKT		DESIGNATION			WIRE	LOAD	PL	AMPS	PHASE	PHASE	PHASE	AMPS	PL	LOAD	WIRE		DESIGNATION	СКТ	
CLS K	1	В	10.00 - CONVECTIO	N OVE	N	SIZE 3 #8,1#10G,3/4"C	VA 2880	3	40	A 3500	В	С	20	3	VA 620	SIZE 3 #12,1#12G,3/4"C	WALK IN	COOLER	2	CLS
K	3	-					1440			3300	2060		-	-	620 -	-		OCCLIN	4	0
K	5	Ε					1800	_				2420	-	_	620 -		-		6	0
K	7 9	В	10.00 - CONVECTIO	N OVE	.N	3 #8,1#10G,3/4"C	2880 1440		40	3040	1600	ı	20	3	160 160 -	3 #12,1#12G,3/4"C	COOLER	CONDENSER	8 10	0
K	11	+				-	1800	-	-	L	1600	1960		+=+	160				12	0
K		В	81.00 - RETHERMAL	_IZER		3 #6,1#10G,1"C	4950	_	60	5600			30	3	650	3 #10,1#10G,3/4"C	WALK IN	FREEZER	14	0
K	15		PARE				4950	1	20	[5600	CEO.		-	650 -				16	0
	17 19		PARE				+	1	20	530		650	20	3	650 - 530	3 #12,1#12G,3/4"C	 FREEZEF	RCONDENSER	18 20	0
		S	PARE					1	20	555	530			-	530 -	-	-		22	0
	23		PARE					1	20			530		-	530 -				24	0
	25 27	_	PARE PARE				+	3	20	16469.867	13731.967	ı	225	3	16470 13732	3 #4/0,1#4G,2-1/2"C	PANEL A		26 28	X
			PARE					-		L	13/31.30/	13491.17			13491				30	X
Α		R	RTU-1			3 #3,1#8G,1 1/4"C	9967		90	44909.135			400	3		3 (2) #3/0,1#3G,2-1/2"C	PANEL B		32	Х
A	33	<u> </u>				-	9967	_	-	Į.	44012.47	44222.25	-	- [34045				34	X
A	35 37	P.	RTU-2			3 #3/0,1#6G,2"C	9967 21771	_	200	39706.72		44332.35	225	3	34365 17936	3 #4/0,1#4G,2-1/2"C	 PANEL C		36 38	X
A	39	<u> -`</u>				- 10/0/11/00/2 C	21771	_	_	33,00.72	42264.88			<u> </u>	20494				40	X
Α	41	<u> </u> -				-	21771	-				42324.17		-	20553				42	Х
							117354			113755.72	109799.32	105707.7		L	211908.73					
						LOAD SUMMARY														
			IEC	LOAD	LOAD CAT		CON LOAD			DEMAND LO		R PHASE	BALAN	ICED 3	P LOAD	MARK		REMARKS]
			FERENCE	ID			TOT KVA	_				PHASE C	KVA	-	AMP	*		HACR BREAKER		-
220	J. 12/22		.42/220.43/220.14(F) 220.14(I)(H), 220.44	L	LIGHTING RECEPTACE	Б.	8.74	_	1.00	4.35 1.94	2.00	2.39		8.74	24.26	**		RIP BREAKER TED TO FIRE SUPPRESSION	N SVQT	ΕW
			220.14(I)(H), 220.44 220.14(C)/430.24	R M	MOTORS:	.L.	9.24	_	1.00	0.50	3.20 0.37	4.10 0.87		9.24	25.65 4.84	#		ND/GFCI BREAKER	0 0]
			220.56	K		QUIPMENT:	222.40	_	0.65	49.13	49.87	45.56		4.56	401.25	***		TING CONTROL PANEL		1
		2	220.60/440.6/440.7	Α	AIR CONDI		95.21	-	1.00	31.74	31.74	31.74		5.21	264.29		•]
			220.51/220.60 220.14(A)	H	HEAT (ELEC		0.00	_	1.00	0.00 14.79	0.00	0.00		0.00	0.00	PHASE DEMAND LOAD	10.74	% UNBALANCE		
			220. 14(A)	0	SUB TOTAL		40.51 377.84	_	1.00	102.45	12.96 100.13	12.76 97.42		0.51	112.44 832.73	PH A	KVA 113.78	948 0.02		
					SPARE		377.01		10%	10.24	10.01	9.74		0.00	83.27	РН В	110.65	922 0		
210	0.20(A)		215.2(A)(1)/230.42(A)			US (ADD 25%):	8.74	_	0.25	1.09	0.50	0.60		2.19	6.06	PH C	107.76			
			220.14(C)/430.24		LARGEST M TOTAL:	IOTOR (ADD 25%):	0.00)		0.00	0.00	0.00		0.00	0.00	PROVIDE:	GROUND	BUS		
PANI	ELBO			's\\C22-		ron, NC (1517 NC 24-87)\	06 MEP\\Curr	ent C	D's\\Pa	113.78 nels\\[PANEL	110.65 popeye'S	107.76	33 [Xalx.O	2.19	922.07	A VOLTS:		O GROUND BUS UTRAL BUS Wed Sep 13, 202	23 11:17	7
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PANILOCA COAD CLS L L L L L L L R R R R R R	EL TY ATION CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 31 33 35 37 39 41	K S D D R R R R R R R R	DESIGNATION CITCHEN LTG / RECIFERVICE AREA LTG DINING LTG DINING ACCENT LTG ESTROOM LTG & E CITCHEN SIGNAGE UILDING SIG	A NQ B.O.	H. MP SES CLES	WIRE SIZE 2 #12,1#12G,3/4"C	LOAD VA 109 15 21 3 14 17 120 120 120 120 120 54 18 108 50 54 54 54 50 72 71225 IRY TABLE CON LOAI TOT KVA 6.1 1.0 0.0 0.0	PL 2 1 0 11 6 1 5 1 8 1 4 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	20 20 20 20 20 20 20 20 20 20 20 20 20 2	PHASE A 1917 535 1560 2400 1380 540 5500 13832 DEMAND LG PHASE A 4.35 1.22 0.50 0.00 0.00 0.00 0.00	PHASE B 2400 360 1080 5500 11878 DAD(KVA) PI PHASE B 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	107.76 MAIN SIZI MAIN TYPE PHASE C 716 2000 1020 1040 5540 720 11570 PHASE C PHASE C 2 2.84 0 0.5(0) 0.00(0) 0.00(0) 0.00(0) 0.00(0) 0.00(0)	333 FO.xis.xi E: :	S PL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	922.07 225 MLO COPPER LOAD VA 825 500 500 1200 360 1200 360 1200 540 540 5000 5000 5000 5000 5000 5000 1200 5000 5000 5000 6000 17.15 17.15 17.15 17.18	PHASE/WIRE: MOUNTING: PANEL IC RATING: WIRE \$1ZE 2 #12,1#12G,3/4"C 4 #12,1#12G,3/4"C 2 #12,1#12G,3/4"C MARK ** MARK **	SITE LIG MONUM HAND D - DT MEN DT ORD DT PRE EXTERIC DT MEN DT ORD DT UG L DT PRE SPARE WH-1 - SPARE SPARE WH-1 - SPARE WH-1 - PROVID GROUNI PROVID GROUNI VIA LIGH	Wed Sep 13, 202 120/208	2 4 4 6 6 8 8 10 11 11 12 12 12 12 12 12 12 12 12 12 12	CT L() () () () () () () () () (
PANILOCA COAD CLS L L L L L L L R R R R R R	EL TY ATION CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 31 33 35 37 39 41	K S D D R R R R R R R R	DESIGNATION ITCHEN LTG / RECIPIED REVICE AREA LTG INNING ACCENT LTG ESTROOM LTG & E INTERIOR BLDG LTG INTERIOR BLGG INTERIOR BLGG INTERIOR BLGG INTERIOR BLGG INTERIOR RECEPTA INT	A NQ B.O. RC PUI	H. WP SEES CLES CLES	WIRE SIZE 2 #12,1#12G,3/4"C 3 #12,1#12G,3/4"C	LOAD VA 109 15 21 3 144 17 120 120 120 120 54 188 108 50 54 54 54 50 50 72 1225 RY TABLE CON LOAI TOT KVA 8.77 6.1.1 0.0.0 0.0.0 0.0.0 21.3	PL 2 1 0 1 6 1 5 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	20 20 20 20 20 20 20 20 20 20 20 20 20 2	PHASE A 1917	- popeye'S PHASE B 650 1348 2400 360 1080 5500 11878 DAD(KVA) PI PHASE B 2.00 2.11 0.00 0	107.76 MAIN SIZI MAIN TYPE BUS TYPE: PHASE C 2000 1020 1040 5540 720 11570 ER PHASE C PHASE C 2.382 2.282 2.282 2.000 0.000	333 FO x S x	S PL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	922.07 225 MLO COPPER LOAD VA 825 500 500 1200 360 1200 360 1200 360 1200 5000 5000 540 5000	PHASE/WIRE: MOUNTING: PANEL IC RATING: WIRE 51ZE 2 #12,1#12G,3/4"C 3 #6,1#10G,1"C	SITE LIG MONUM HAND D - DT MEN DT ORD DT UG E DT PRE EXTERIC DT MEN DT ORD DT UG E SPARE DINING I SPARE WH-1 SPARE WH-1 SPARE WH-1 PROVID GROUNI PROVID VIA LIGH	Wed Sep 13, 202 120/208	2 4 4 6 6 8 8 10 11 11 12 12 12 12 12 12 12 12 12 12 12	CT L() () () () () () () () () (
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OCA	ATIOI		B.O.H.						BUS TYPE:		cc	OPPER	MOUNTING:		SURFACE			1
-00		••	5.0										PANEL IC RATING:		42,000			1
LOAD	СКТ	DESIGNATION		WIRE	LOAD	PL AMPS	PHASE	PHASE	PHASE	AMPS	DI I	OAD	WIRE		DESIGNATION		СКТ	LOAD
CLS	CKI	DESIGNATION		SIZE	VA	PL AIVIPS	A	B	C	AIVIPS		VA	SIZE		DESIGNATIO	ON	CKI	CLS
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K		A10.30 - FRYER (ELE		3 #4,1#8G.1 1/4"C		3 70		7737	13448								6	K
K	7	-	oo,		6724		13448	1	13440								- 8 ·	
K	9				6724		75440	6724	1 (-	-	0424	<u> </u>	ŠHUNŤ TR	RIP Y		10	+-
		SHUNT TRIP			3721		<	572.	184	15		184	2_#12,1#126,3/4 6	A47.20-B		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12	
K		A24.U2 - FRYER (ELE	CTRIC) **	3 #6,1#10G,1"C	5644	3 60	7084	I			1		2 #12,1#12G,3/4"C	K30.00 - D			14	К
K	15	-	,		5644		7.55.	7344	1	20	1		2 #12,1#12G,3/4"C	K71.00 - TI			16	K
K	17	_			5644			7511	6334		1		2 #12,1#12G,3/4"C			FREEZER **	18	0
		SHUNT TRIP					6724	1	0001		3		3 #4,1#8G.1 1/4"C			ECTRIC) **	20	К
K	21	A24.U2 - FRYER (ELE	CTRIC) **	3 #6,1#10G,1"C	5644	3 60	1	12368	1			6724			,	,	22	К
K	23	-			5644)		12368		_	6724					24	+
K	25				5644		5644	I	12500	F - F	- T		• • • •	SHUNT TR	RIP T		26	+ <u> </u>
		SHUNT TRIP			1)	360	1	20		360 2	2 #12,1#126,3/4 6	K42.00 BA	G-N-BOX	RECEPTACLE **	28	
R/	29	MANAGERS DESK	~	2 #12,\\#126,\3/4"@\	720	1 20			1080	15	1		2 #12,1#12G,3/4"C	K10.00 ICE	JBEVER/	GE MACHINE **	30	0
R		MANAGERS DESK		2 #12,1#12G,3/4"C		1 20	818	1		15	3		3 #12,1#12G,3/4"C	ICE MACH	INE COND	DENSER	32	0
R		MANAGERS DESK		2 #12,1#12G,3/4"C		1 20		818	1	-	-	458 -		-			34	0
R		MANAGERS DESK		2 #12,1#12G,3/4"C		1 20			998	- 1	-	458 -		-			36	0
R	37	MANAGERS DESK		2 #12,1#12G,3/4"C	360	1 20	720	1		/15	7	360 2	2/#12,1#12G,3/4"C	K10.00,-10	EMAKE	*** \	38	10
М	39	EF-1		2 #12,1#12G,3/4"C	372	1 20		556	1 (20	1		2 #12,1#12G,3/4"C	A47.20 - B	ATTER CA	ART **	40	K
М		EF-2		2 #12,1#12G,3/4"C		1 20			7096	70	3		3 #4,1#8G.1 1/4"C	A10.30 - F	RYER (EL	.ECTRIC) **	42	K
K	43	D29.30 HOT FOOD W	ELL	2 #12,1#12G,3/4"C		2 20	7327		(-	6724	,		,	,	44	K
₩/	45				603			7327	1 \		-	6724 -	-				46	K
0	47	A24.U2 - FRYER CON	TROL	2 #12,1#12G,3/4"C	1020	1 20	Ŋ	,	1020			-	-	SHUNT TR	RIP		48	1
	49	SHUNT TRIP				- -	3122]		35	3	3122 3	3 #8,1#10G,3/4"C	D93.1 - HC	DLDING BI	N **	50	K
ΚŢ		A49.00 DRUMROLL **		2 #12,1#12G,3/4"C	, 192	1 20		3314	1 /		-	3122 -	-				52	K
	53	SPARE				1 20			3122			3122 -	-				54	K
		•		•	62531		47497	46608	45650		7	7224	\wedge \wedge \wedge		\ \	\wedge \wedge \wedge	<u> </u>	$\overline{\wedge}$
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	CODE	REFERENCE	ID LOAD	CATEGORI	TOT KVA				PHASE C	KVA		AMP	*	PROVIDE		EAKER		1
		20.42/220.43/220.14(F)	L LIGHTI	NG	0.00	1.00	0.00				.00	0.00	**	GROUND				1
		220.14(I)(H), 220.44	R RECEP		2.70	1.00	0.72				.70	7.49	٨		ED TO FIF	RE SUPPRESSION	I SYS	тЕм
		220.14(C)/430.24	M MOTO		0.74	1.00	0.72	0.72			.74	2.07	#	IG GROUN				ī
		220.14(C)/430.24		EN EQUIPMENT:	131.82	0.65	29.42	29.29			.68	237.83	***			ROL PANEL		4
		220.60/440.6/440.7		ONDITION:	0.00	1.00	0.00	0.00			.00	0.00		I VIV LICITII	110 00111	NOET / NILL		-
		220.51/220.60		ELECTRIC):	0.00	1.00	0.00	0.00			.00	0.00	PHASE DEMAND LOAD			% UNBALANCE	_	_
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		223.17(11)	SUB TO		139.76	1.00	31.65				.62	259.86	PH A	34.94	291	0.01		
			SPARE		133.76	10%	3.17	3.08			.36	25.99	PH B	34.94	284			
21	0.20(4)/215.2(A)(1)/230.42(A)	J. ARE		0.00	10/0	0.00	0.00			.00	0.00	PH C	34.03	286			
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			10	TAL.	+ +		34.94	34.03	34.37	1 103	.55	200.00		100% NEU				
			11000 100 0	ameron, NC (1517 NC 24-87)\	I DO MEDINO	1.0.DL))D	LINDANIEL							. 50 /0 1120		Wed Sep 13, 2020	2.44.4	7 7



DRAWINGS REVISED AS PER DESIGN BULLETIN										
No.	Date	Description								



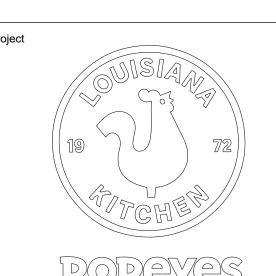
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Company Logo





POPEYES

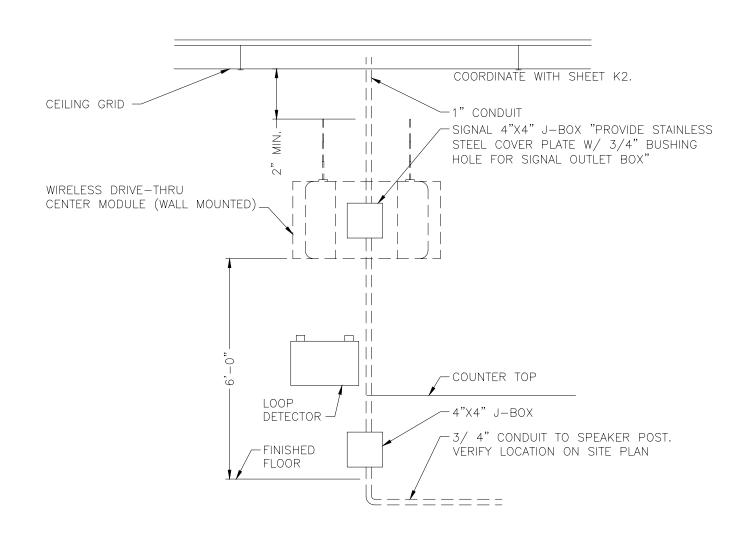
US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

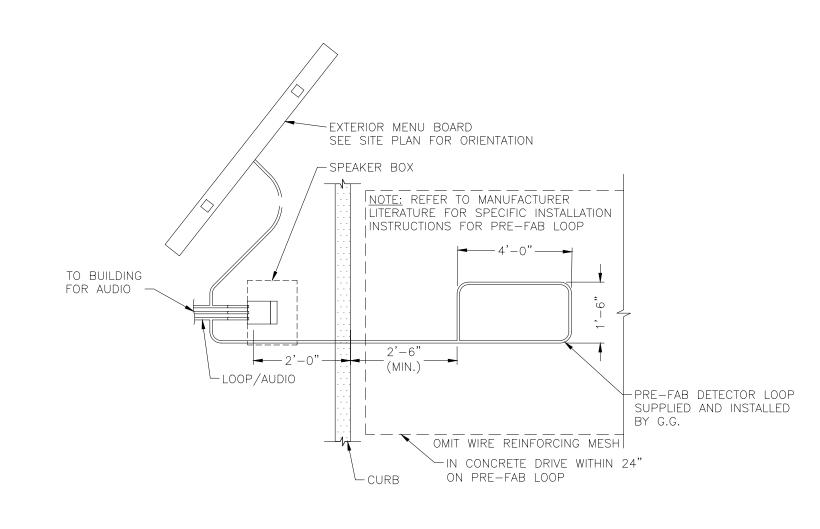
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ELECTRICAL SCHEDULES

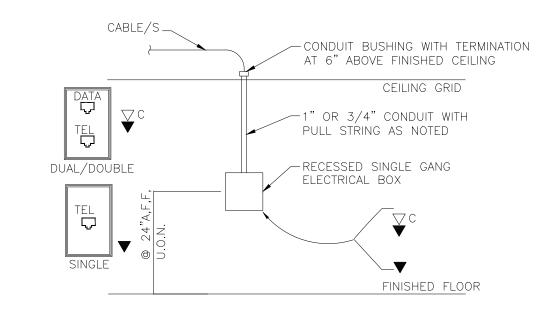
Drawn	Checked
JP	AH
Scale	Date
NOT TO SCALE	JUNE 2023
Project No.	Drawing No.
C22-129	E2.1



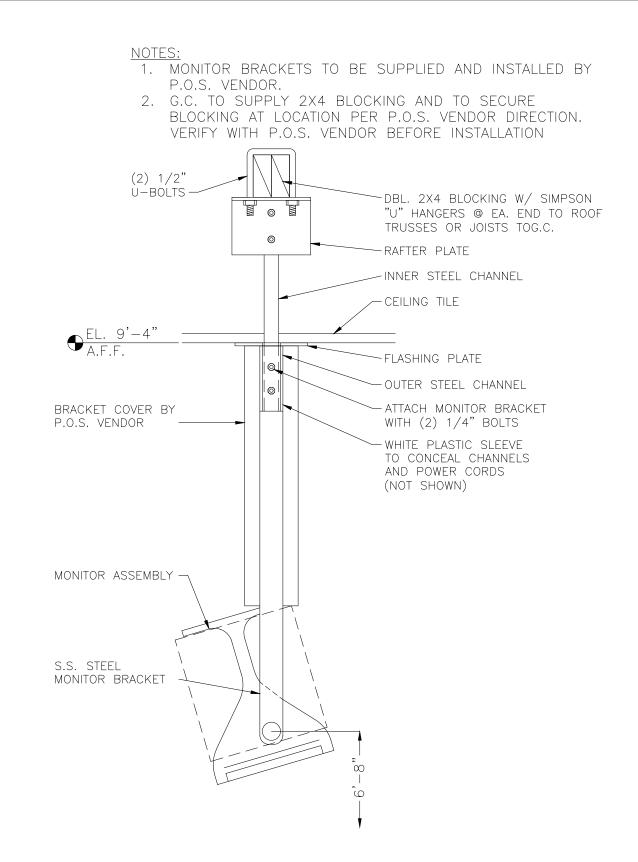
- DRIVE-THRU AUDIO/TIMERS



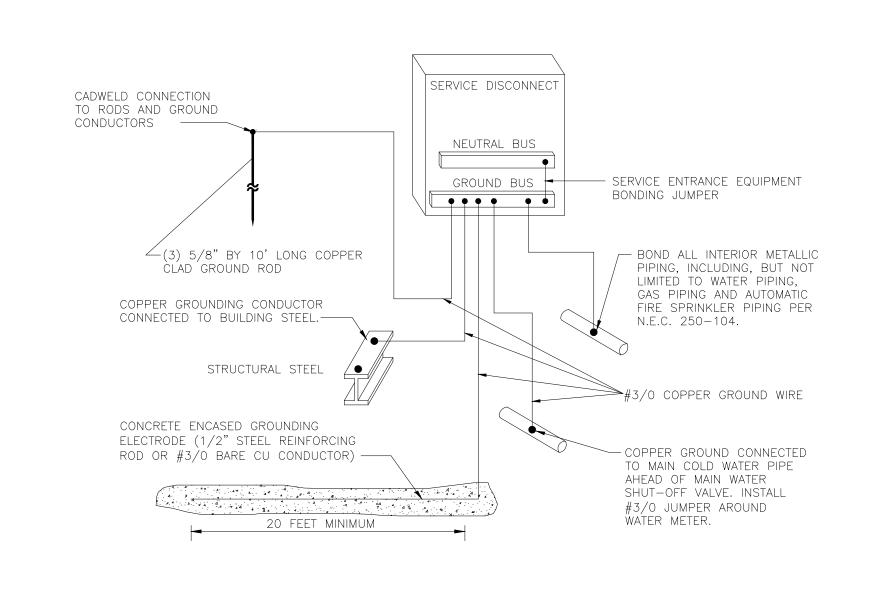
OS DRIVE-THRU LOOP DETECTOR NOT TO SCALE



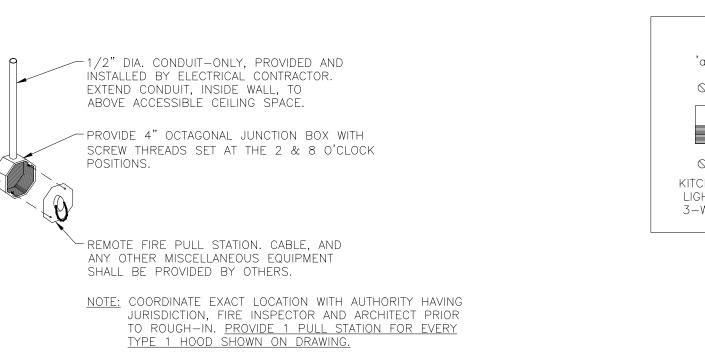
REMOTE HOOD FIRE PULL STATION NOT TO SCALE

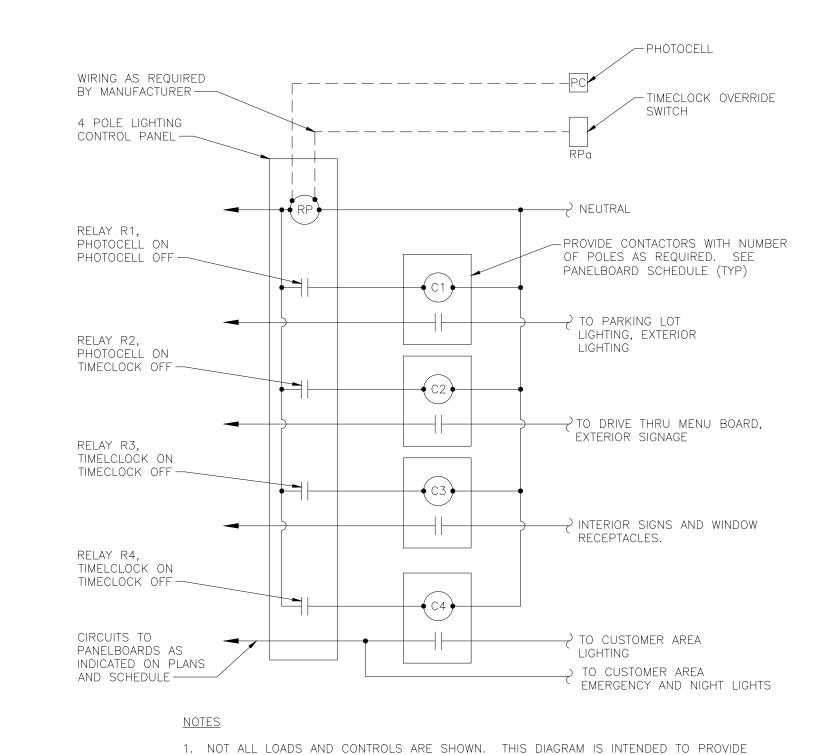


MONITOR BRACKET DETAIL
NOT TO SCALE



SERVICE ENTRANCE GROUNDING NOT TO SCALE



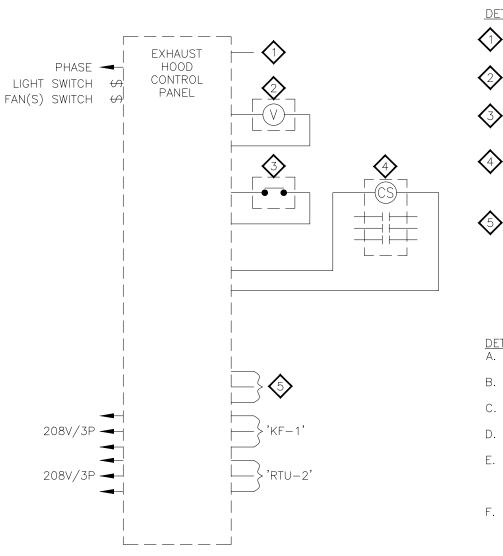


LIGHTING CONTROL DIAGRAM NOT TO SCALE

GENERAL WIRING AND CONTROL INTENT ONLY.

2. PROGRAM LIGHTING CONTROL PANEL AS DIRECTED BY OWNER.

3. MINIMUM INTERRUPTING RATING FOR ALL RELAYS AND CONTACTORS SHALL BE 10,000 A.I.C.



DETAIL CODED NOTES:

PROVIDE FIELD WIRING TO HOOD TEMPERATURE SENSORS PER MANUFACTURER'S SPECIFICATIONS. ISSUE TABLE

REVISIONS

Date

8/01/2023

2 9/04/2023

3 9/12/2023

CIVIL PENALTIES.

Company Logo

No.

Date

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

Description

PROJECT NORTH

9.13.2023

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41082

FAGINEER

10755 SANDHILL ROAD, DALLAS, TEXAS 75238 TEL: 214-343-9400 <u>www.dimensiongrp.com</u>

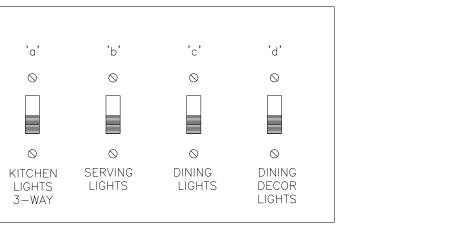
- 2 ELECTRICALLY OPERATED GAS VALVE FOR COOKING EQUIPMENT BY OTHERS (IF REQUIRED). FIRE SYSTEM MICRO SWITCH, OPENS WHEN FIRE SYSTEM DISCHARGES.
- 4 60A/8P CONTACTOR WITH 120V COIL FOR ELECTRICAL EQUIPMENT UNDER HOOD (VERIFY LOCATIONS IN FIELD WITH OWNER)
- 5 PROVIDE ALL 120V AND LOW VOLTAGE CONNECTIONS BETWEEN HOOD CONTROL PANEL AND FANS. SEE CAPTIVE AIRE WIRING DIAGRAMS FOR WIRING REQUIREMENTS.

DETAIL GENERAL NOTES:

A. REFERENCE MECHANICAL DRAWINGS FOR CAPTIVE AIRE DETAILS AND WIRING DIAGRAMS.

- B. INTERLOCK WIRING FOR MOTOR STARTER FURNISHED WITH HOOD.
- C. INTERLOCK WIRING FOR GAS VALVE BY ELECTRICAL CONTRACTOR. D. COORDINATE EXACT QUANTITY OF CONTACTOR POLES WITH PANEL SCHEDULES.
- E. MAKE FINAL CONNECTIONS BETWEEN TEMPERATURE SENSOR INSTALLED IN HOOD AND HOOD CONTROL PANEL. REFER TO HOOD
- DRAWING FOR ADDITIONAL INFORMATION. F. REFER TO ELECTRICAL PANEL SCHEDULES FOR PANEL CONNECTIONS.

EXHAUST HOOD SHUT-DOWN WIRING DIAGRAM (HCP)
NOT TO SCALE



RP a SWITCHES SHALL BE PILOT LIT SWITCHES PER CODE AND LABELED AS SHOWN ABOVE

1 HOUR OVERRIDE EXTERIOR SECURITY LIGHTING EXTERIOR SIGNS AND MENUS INTERIOR SIGNS 4 CUSTOMER AREA LIGHTING

PROGRAM SWITCH TO OVERRIDE ASSOCIATED RELAY ON FOR 1 HOUR. SWITCHES SHALL BE PILOT LIT PER CODE.

. PROVIDE MACHINE MADE LABELS AS SHOWN.

US 2112 PROTOTYPE 2112-21 1517 NC 24-87 CAMERON, NC **ELECTRICAL DETAILS**

Checked

Drawing No.

NOT TO SCALE

C22-129

Project No.

 AH

JUNE 2023

E3.1

7 SWITCH BANK DETAIL

"MORNING ARRIVAL"

TURN THE KITCHEN UNOCCUPIED-OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

NOTE: THE AIR CONDITIONING FAN WILL START AND RUN CONTINUOUSLY. EXHAUST FAN WILL NOT RUN UNTIL THIS SWITCH IS IN THE OCCUPIED POSITION.

TURN ON THE EXHAUST FAN SWITCH TO THE ON POSITION THIS WILL ALLOW YOU TO TURN ON THE

"RESTAURANT OPEN FOR

BUSINESS

STEP 1 TURN THE DINING UNOCCUPIED-OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE AUTO POSITION, THIS WILL ENGAGE THE LIGHTING PHOTOCELLS SO THAT THE LIGHTS WILL AUTOMATICALLY COME ON AFTER DARK. TURN THE SWITCH TO THE ON POSITION TO OVER RIDE THE PHOTOCELLS AT ANY TIME THE LIGHTING MUST

"RESTAURANT CLOSE FOR

TURN THE DINING UNOCCUPIED-OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK

STEP 2

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE OFF POSITION, THIS WILL DISENGAGE THE LIGHTING PHOTOCELLS. STEP 3

TURN THE EXHAUST FAN SWITCH TO THE OFF POSITION. THE UNDER HOOD COOKING EQUIPMENT WILL TURN OFF AND THE EXHAUST FAN WILL CONTINUE TO RUN FOR 15 MINUTES FOR A COOL DOWN CYCLE, AND THEN SHUT OFF AUTOMATICALLY.

NOTE: TO PREVENT ACCIDENTAL ANSUL DISCHARGE,

ONE OF THE HOODS EXHAUST FANS WILL RUN 15 MINUTES AFTER THE EXHAUST FAN SWITCH IS TURNED TO THE OFF POSITION.

"EMPLOYEES LEAVING THE

STEP 1 WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURES SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

"MANAGER/LAST PERSON LEAVING THE BUILDING"

STEP 1

TURN THE KITCHEN UNOCCUPIED-OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK

STEP 2

WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURE SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

"HOOD VENTILATION SYSTEM

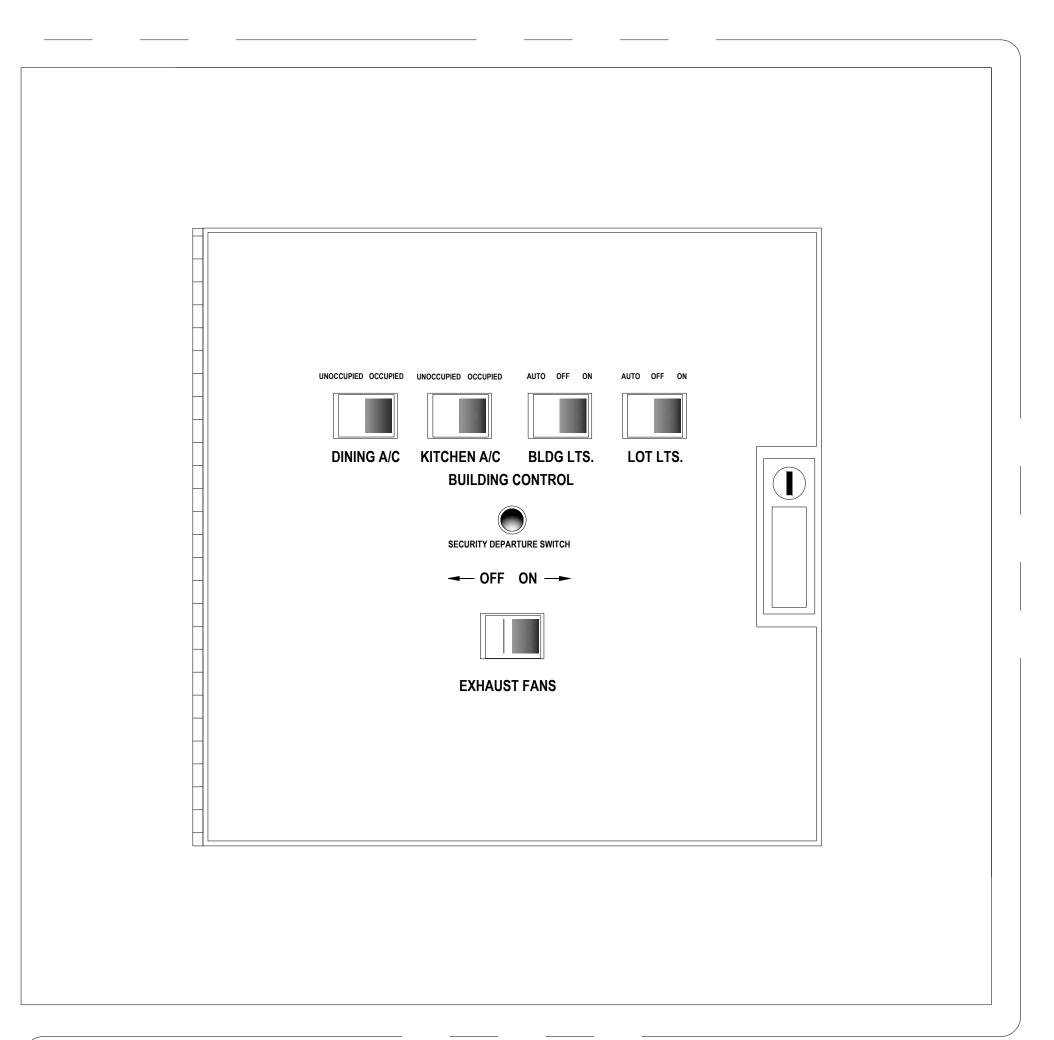
WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE (SUCH AS A BELT BREAKING) IT WILL DISABLE THE LINE VOLTAGE TO THE COOKING EQUIPMENT UNDER THE HOOD. THE EXHAUST FAN SWITCH SHOULD BE PLACED IN THE OFF POSITION AND THE FAN SHOULD BE CHECKED AND/OR REPAIRED BEFORE TURNING THE SWITCH TO

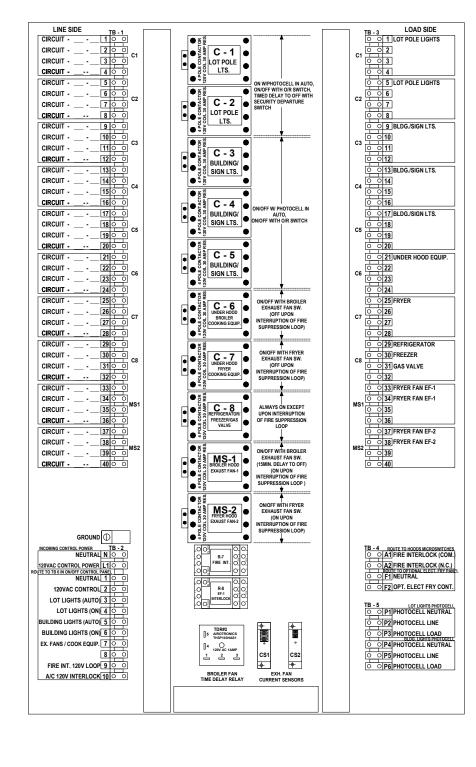
"PARKING LOT LIGH<u>TING NOTE"</u>

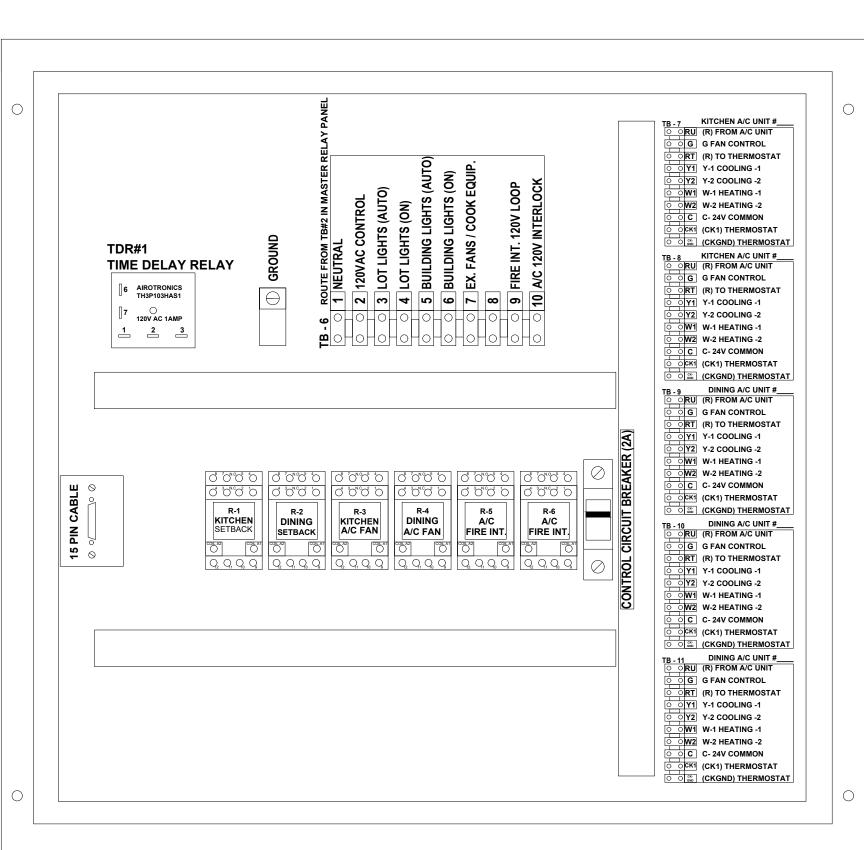
WHEN THE PARKING LOT LIGHTS ARE TURNED OFF, THEY MUST COOL DOWN FOR ABOUT 10 MINUTES BEFORE THEY WILL COME BACK ON.

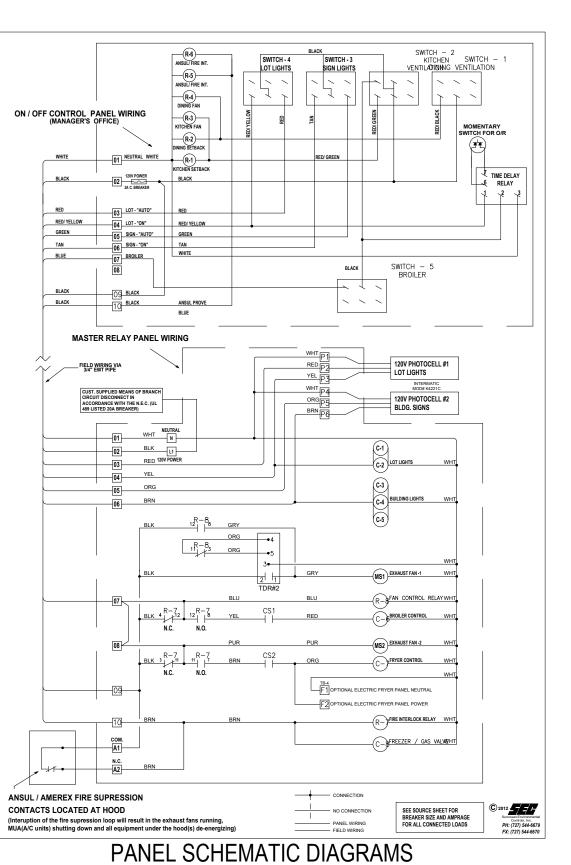
*NOTE: Current sensors are factory wired but must be field adjusted for proper operation. With the hood exhaust fans running, spin the potentiometer dials counterclockwise until the status "OFF" green LED lights and cooking equipment contactors de-energize. Then turn dials back clockwise one full turn. If the current sensors are improperly adjusted, cooking equipment may not shut off should a hoods exhaust fan fail. If the cooking equipment fails to operate while the hood switches are on and the exhaust fans are running, spin the appropriate setpoint dial clockwise until the status "ON" red LED lights.

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POPEYES SEQUENCE OF OPERATION

MANUAL CONTROL SYSTEM THE A/C UNITS UNOCCUPIED-OCCUPIED SWITCH IS USED TO: TURN THE STORE ON IN THE MORNING AND OFF IN THE EVENING. WHEN A/C UNIT UNOCCUPIED-OCCUPIED SWITCH IS TURNED TO THE ON POSITION: THE AIR CONDITIONING SYSTEM WILL GO FROM NIGHT MODE TO SYSTEM ON. THE AIR CONDITIONING FANS WILL START AND RUN CONTINUOUSLY. THE OUTDOOR DAMPERS WILL OPEN TO A PRESET POSITION. (OPTIONAL) DAMPERS WILL NOT OPEN DURING NIGHT SET BACK MODE. (OPTIONAL) THE AIR CONDITIONERS WILL BEGIN TO COOL OR HEAT AT THE OCCUPIED TEMPERATURE SETPOINT.

WHEN A/C UNOCCUPIED-OCCUPIED SWITCH IS TURNED TO THE OFF POSITION: EXHAUST FANS, SUPPLY FANS, AND EVAPORATOR BLOWERS WILL SHUT DOWN. THE HEATING AND COOLING OPERATION SHALL REVERT TO SYSTEM NIGHT SET BACK MODE.

THE COOKING EQUIPMENT AND EXHAUST FANS CAN NOW BE TURNED ON WHEN NEEDED.

THE COOKING EQUIPMENT SHALL BE DISABLED. THE SIGNAGE LIGHTING & LOT LIGHTING SHALL BE DISABLED IF SWITCHES ARE IN THE OFF POSITION.

THE PARKING LOT POLE LIGHTS & SECURITY LIGHTS SHALL REMAIN ON FOR 15 MIN AFTER THE SECURITY DEPARTURE SWITCH IS ACTIVATED.

WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE IT WILL DISABLE THE LINE VOLTAGE TO THE COOKING EQUIPMENT UNDER THE HOOD.

HOOD VENTILATION SYSTEM

IF THE KITCHEN A/C SWITCH IS IN THE OCCUPIED POSITION, THE HOOD VENTILATION SYSTEM CAN BE STARTED.

THE UNDER HOOD EQUIPEMENT SHALL BE STARTED BY MOVING THE EXHAUST FANS ON/OFF SWITCH TO THE ON POSITION. IF THE THE EXHAUST FAN SWITCH IS IN THE ON POSITION, THE MAKE-UP AIR UNIT (IF APPLICABLE) SHALL START AUTOMATICALLY.

ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM SHALL DE-ENERGIZE THE MAKE UP AIR UNIT, ALL A/C UNITS, AND THE CONTROLLED COOKING EQUIPMENT. THE HOODS EXHAUST SYSTEM SHALL CONTINUE TO OPERATE TO DRAW OUT SMOKE. THE FIRE SUPPRESSION SYSTEM SHALL BE MANUALLY RESET.

EXTERIOR LIGHTING CONTROL

ALL OF THE EXTERIOR LIGHTING SHALL BE CONTROLLED, WITH THE EXCEPTION OF THE SECURITY LIGHTS WHICH SHALL BE OPERATED BY ITS OWN PHOTOCELL. SECURITY LIGHTING IS OPTIONAL.

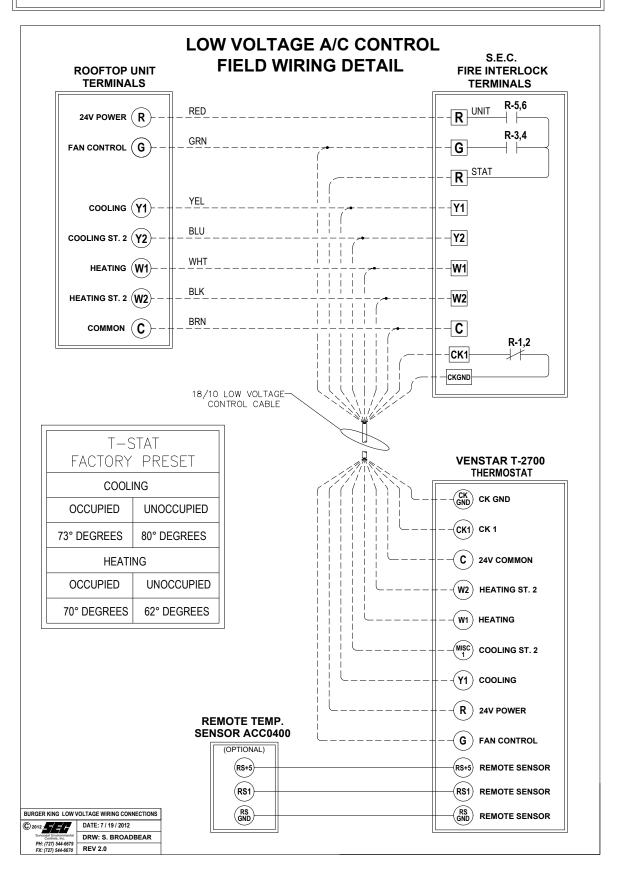
THE SIGNAGE SELECTOR SWITCH (3-POS.) CONTROLS THE PRIME SIGN, ALL MARQUEE SIGNS, AND BULUIDING ACCENT LIGHTING. ON POSITION: LIGHTING SHALL BE ON PERMANENTLY.

OFF POSITION: LIGHTING SHALL BE OFF PERMANENTLY.

AUTO POSITION: LIGHTING SHALL BE CONTROLLED BY THE PHOTO CELL.

THE LOT LIGHTS THREE POSITION SWITCH WORKS THE SAME AS THE SIGNAGE SWITCH.

NOTE: UNOCCUPIED-OCCUPIED / MASTER RELAY PANEL SHALL BE COMPLETE WHEN SHIPPED TO THE JOB SITE. NO INTERNAL WIRING SHALL BE REQUIRED. MAKE ALL EXTERNAL WIRING CONNECTIONS AS REQUIRED.



ELECTRICAL CONTRACTOR NOTES:

- 1. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE "UNOCCUPIED-OCCUPIED" PANEL.
- 2. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE "UNOCCUPIED-OCCUPIED" PANEL TO THE THERMOSTAT LOCATION.
- RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE NIGHT SETBACK THERMOSTAT LOCATION,
- 4. TERMINATION OF ALL 24 VOLT AIR CONDITIONING CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR.
- 5. ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN THE BROILER HOOD EXHAUST FAN TO THE CONTACTOR PANEL
- IF NOT CONTROLLED WITH P-374-2700 T-STAT. REFER TO SHEET M-1

HVAC INTERLOCK PANEL NFPA-96 COMPLIANT

LOCATED BY THE SWITCHGEAR.

SSUE TABLE	
No. Date (mm/dd/	yy) Description

REVISIONS										
No.	Date	Description								
1	8/01/2023	RESPONSE TO CITY								
2	9/04/2023	HEALTH COMMENTS								
3	9/12/2023	RESPONSE TO CITY								

DRAW	ED AS PER DESIGN BULLETIN	
No.	Date	Description



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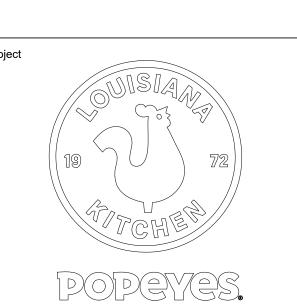
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9.13.2023

Company Logo





US 2112 PROTOTYPE 2112-21

1517 NC 24-87

CAMERON, NC

ELECTRICAL DETAILS

Checked AH NOT TO SCALE JUNE 2023 Project No. Drawing No. E3.2 C22-129

Project Information

Energy Code: 2018 IECC Proiect Title: Popeye's Project Type: **New Construction**

Owner/Agent: Construction Site: 1517 NC 24-87 The Dimension Group Cameron, NC 10755 Sandhill Road Dallas, TX 75238 Additional Efficiency Package(s) 214 343 9400

Credits: 1.0 Required 1.0 Proposed High Performance HVAC, 1.0 credit **Allowed Interior Lighting Power**

Α	В С	D
Area Category	Floor Area Allowed A (ft2) Watts / ft2	Allowed Watts (B X C)
-Dining: Cafeteria/Fast Food	6000 0.79	4740
	Total Allowed Watts =	4740

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	(C X D)
1-Dining: Cafeteria/Fast Food				
LED 1: A/AE: 2X4 LED TROFFER: LED Panel 54W:	1	23	52	1196
LED 2: L-1: LED SUSPENDED: LED Linear 20W:	1	11	18	198
LED 3: L-9: LED SUSPENDED: LED Linear 22W:	1	1	30	30
LED 4: LL4: 6" RECESSED LED DOWNLIGHT: LED A Lamp 12W:	1	17	12	196
LED 5: L-4: LED ACCENT LIGHT: LED A Lamp 12W:	1	3	12	36
		Total Propos	ed Watts =	1656

nterior Lighting PASSES: Design 65% better than code

Interior Lighting Compliance Statement Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

25 May 2023 Jennifer Pfankuch - MEP Designer Name - Title

Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 1 of 19 COMCHECK.cck

COM*check* **Software Version 4.1.5.5 Exterior Lighting Compliance Certificate**

Project Information Energy Code: 2018 IECC Project Title: Popeye's

Project Type: New Construction Exterior Lighting Zone 4 (High activity metropolitan commercial district (LZ4))

Construction Site:

1517 NC 24-87 Cameron, NC

Owner/Agent: Designer/Contractor: The Dimension Group 10755 Sandhill Road Dallas, TX 75238 214 343 9400

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watt (B X C)
Walkway < 10 feet wide	57 ft of	0.7	Yes	40
Entry canopy	107 ft2	0.4	Yes	43
Parking area	20546 ft2	0.08	Yes	1644
Illuminated area of facade wall or surface	168 ft2	0.15	No	25
		Total Tradab	ole Watts (a) =	1726
		Total All	owed Watts =	2152
	Total All	owed Supplement	tal Watts (b) =	900

Α	В	С	D	E
Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D)
Nalkway < 10 feet wide (57 ft of walkway length): Tradable Wattage LED 2: H1: LED SCONCE: LED Other Fixture Unit 103W:	1	8	100	800
Drive-up windows/doors (2 windows or doors): Non-tradable Wattage				
Entry canopy (107 ft2): Tradable Wattage LED 3: D: RECESSED DOWNLIGHT: LED A Lamp 13W:	1	7	14	98
Parking area (20546 ft2): Tradable Wattage LED 4: P1: LED POLE LIGHT: LED Roadway-Parking Unit 220W:	1	5	165	825
lluminated area of facade wall or surface (168 ft2): Non-tradable Wattage LED 5: H: LED GOOSENECK: LED Other Fixture Unit 36W:	1	2	38	76
	Total Tra	dable Propos	ed Watts =	1723

Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 2 of 19 COMCHECK.cck

Exterior Lighting PASSES: Design 33% better than code

Exterior Lighting Compliance Statement Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

25 May 2023 Jennifer Pfankuch - MEP Designer Name - Title

COMcheck Software Version 4.1.5.5

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC Project Title: Popeye's Cameron, North Carolina Location: Climate Zone: Project Type: New Construction

Construction Site: Owner/Agent: 1517 NC 24-87 Cameron, NC

The Dimension Group 10755 Sandhill Road Dallas, TX 75238 Additional Efficiency Package(s) 214 343 9400

Credits: 1.0 Required 1.0 Proposed High Performance HVAC, 1.0 credit Mechanical Systems List

Quantity System Type & Description

1 HVAC System 2 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 11 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 60 kBtu/h, Air Economizer No minimum efficiency requirement applies

Fan System: None 1 HVAC System 3 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 44 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 151 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: None

Water Heater 1:

Electric Storage Water Heater, Capacity: 50 gallons w/ Circulation Pump Proposed Efficiency: 0.84 SL, %/h (if > 12 kW), Required Efficiency: 0.84 SL, %/h (if > 12 kW)

Mechanical Compliance Statement

COMCHECK.cck

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

25 May 2023 Jennifer Pfankuch - MEP Designer

Designer/Contractor:

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COM*check* **Software Version 4.1.5.5**

efficiency package options.

Additional Comments/Assumptions:

Requirements: 96.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each

requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review Complies? Comments/Assumptions & Req.ID C103.2 Plans, specifications, and/or \square Complies calculations provide all information \square Does Not with which compliance can be ■Not Observable determined for the mechanical \square Not Applicable systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. C103.2 Plans, specifications, and/or \square Complies Requirement will be met. calculations provide all information Does Not with which compliance can be □Not Observable determined for the service water heating systems and equipment and Not Applicable document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide. C103.2 Plans, specifications, and/or □Complies Requirement will be met. calculations provide all information

Does Not with which compliance can be ☐Not Observable determined for the interior lighting and electrical systems and equipment Not Applicable and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices. C103.2 Plans, specifications, and/or calculations provide all information Does Not determined for the exterior lighting and electrical systems and equipment Not Applicable and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices. Plans, specifications, and/or calculations provide all information
Does Not with which compliance can be with which compliance can be determined for the additional energy efficiency package options.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 5 of 19 COMCHECK.cck

Footing / Foundation Inspection **Comments/Assumptions** C403.12.2 Snow/ice melting system and freeze Complies **Exception:** Requirement does not apply. protection systems have sensors and Does Not 2403.12.3 controls configured to limit service for Not Observable pavement temperature and outdoor temperature. future connection to Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 7 of 19

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.1, C404.6.2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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COMCHECK.cck

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 8 of 19 COMCHECK.cck

Mechanical Rough-In Inspection **Comments/Assumptions** & Req.ID C402.2.6 Thermally ineffective panel surfaces of Complies Requirement will be met. [ME41]³ sensible heating panels have □Does Not insulation >= R-3.5. ■Not Observable □Not Applicable C403.11.3 HVAC piping insulation insulated in Requirement will be met. [ME61]² accordance with Table C403.11.3. □Does Not Insulation exposed to weather is ☐Not Observable protected from damage and is ☐Not Applicable provided with shielding from solar C403.11.3 HVAC piping insulation insulated in \square Complies Requirement will be met. [ME61]² accordance with Table C403.11.3. □Does Not Insulation exposed to weather is ☐Not Observable protected from damage and is ☐Not Applicable provided with shielding from solar C403.8.1 HVAC fan systems at design Requirement will be met. Complies [ME65]³ conditions do not exceed allowable fan system motor nameplate hp or fan Not Observable □Not Applicable C403.8.1 HVAC fan systems at design ☐Complies Requirement will be met. [ME65]³ conditions do not exceed allowable Does Not fan system motor nameplate hp or fan See the Mechanical Systems list for values. system bhp. ☐Not Applicable C403.8.3 Fans have efficiency grade (FEG) >= \square Complies [ME117]² 67. The total efficiency of the fan at \square Does Not the design point of operation <= 15%

| Not Observable | of maximum total efficiency of the ☐Not Applicable C403.8.3 Fans have efficiency grade (FEG) >= \square Complies [ME117]² 67. The total efficiency of the fan at \square Does Not the design point of operation <= 15%

Not Observable of maximum total efficiency of the Not Applicable C403.12.1 Systems that heat outside the building Complies Requirement will be met. [ME71]² envelope are radiant heat systems Does Not controlled by an occupancy sensing device or timer switch. □Not Applicable C403.2.3 HVAC equipment efficiency verified. ☐ Complies See the Mechanical Systems list for values. ☐Does Not ☐Not Observable ☐Not Applicable C403.2.2 Natural or mechanical ventilation is Complies Requirement will be met. [ME59]¹ provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply Not Applicable to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided Complies [ME59]¹ for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 10 of 19 COMCHECK.cck

No.	Date (mm/dd/yy)	Description
REVIS	SIONS	
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY
DRAW	/INGS REVIS	ED AS PER DESIGN BULLETIN
No.	Date	Description

ISSUE TABLE

No.	Date	Description



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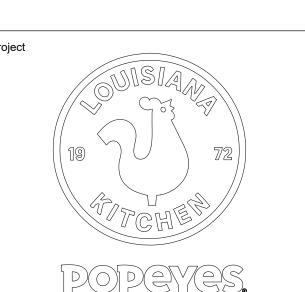


9.13.2023

Company Logo



TEL: 214-343-9400 <u>www.dimensiongrp.com</u>



US 2112 PROTOTYPE

1517 NC 24-87

2112-21

CAMERON, NC

Location

ELECTRICAL ENERGY CALCS

		_
Drawn	Checked	<u></u>
JP	AH	OUISIA
Scale	Date	<u> </u>
NOT TO SCALE	JUNE 2023	OPEYES
Project No.	Drawing No.	Щ
C22-129	E4.1	POF

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.2 [ME115] ³	Enclosed parking garage ventilation has automatic contaminant detection	□Complies □Does Not	Exception: Requirement does not apply.
	and capacity to stage or modulate fans to 50% or less of design capacity.	□Not Observable □Not Applicable	
C403.7.6 [ME141] ³	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Exception: Requirement does not apply.
	setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).		
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1)	□Complies □Does Not	Requirement will be met.
	and C403.7.4(2).	□Not Observable □Not Applicable	
C403.7.5 [ME116] ³	replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.1	exhaust rate criteria. HVAC ducts and plenums insulated in accordance with C403.11.1 and	☐Complies	Requirement will be met.
, C403.11.2 [ME60] ²	constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	□Does Not □Not Observable □Not Applicable	
C403.4.3.	Three-pipe hydronic systems using a common return for hot and chilled	□Complies □Does Not	Requirement will be met.
[ME50] ²	water are not used.	□Not Observable □Not Applicable	
C403.4.3. 1 [ME50] ²	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.5 [ME26] ³	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.5 [ME26] ³	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 4 [ME63] ²	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Report date: 05/25/23 Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 11 of 19 COMCHECK.cck

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.9.5 ME31] ³	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.9.5 ME31] ³	can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.2. L ME53] ³	have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2. 2 ME54] ³	coils have means to balance and have pressure test connections.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.2. 2 ME54] ³	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	□Complies	Requirement will be met.
C403.5, C403.5.1, C403.5.2 ME123] ³	coolers or walk-in freezers served by remote compressors and remote condensers not located in a	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
Addition	al Comments/Assumptions:		

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Report date: 05/25/23 Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 12 of 19 COMCHECK.cck

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2. 2 [EL22] ¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.1. 3 [EL20] ¹	be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.2, C405.2.2. 1, C405.2.2. 2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Report date: 05/25/23 Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 13 of 19 COMCHECK.cck

# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3. 1,	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.5 [EL28] ^{null}	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	□Complies □Does Not □Not Observable □Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.8.2, C405.8.2. 1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Exception: Requirement does not apply.
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 14 of 19 COMCHECK.cck

Project Title: Popeye's

Date (mm/dd/yy) REVISIONS No. Date 1 8/01/2023 2 9/04/2023 3 9/12/2023 DRAWINGS REVISED AS PER DESIGN BULLETIN

Report date: 05/25/23

ISSUE TABLE

PROJECT NORTH

Description

Description

RESPONSE TO CITY

HEALTH COMMENTS

RESPONSE TO CITY

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9.13.2023

Company Logo



US 2112 PROTOTYPE 2112-21

1517 NC 24-87 CAMERON, NC

ELECTRICAL ENERGY CALCS

Drawn	Checked
JP	AH
Scale	Date
NOT TO SCALE	JUNE 2023
Project No.	Drawing No.
C22-129	E4.2

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C303.3, C408.2.5. 3 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.2 [FI27] ³	HVAC systems and equipment capacity does not exceed calculated loads.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4. 1.3 [FI20] ³	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4. 2 [FI39] ³	Each zone equipped with setback controls using automatic time clock or programmable control system.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 2.1, C403.2.4. 2.2 [FI40] ³		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.3 [FI11] ³	Heat traps installed on supply and discharge piping of non-circulating systems.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.4 [FI25] ²	All piping insulated in accordance with section details and Table C403.11.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C404.6.1 [FI12] ³	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.1 [Fl28] ¹	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.5. 1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.5. 3 [FI43] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Popeye's Data filename: C:\Good Sync Projects\Popeye's\C22-129 Cameron, NC\06 MEP\ComCheck\POPEYES.CAMERON, Page 17 of 19 COMCHECK.cck

Section #	Final Inspection	Complies?	Comments/Assumptions
& Req.ID C408.2.5. 4 [FI30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies	Requirement will be met.
Additiona	al Comments/Assumptions:	,	

SECTION 16000 - BASIC ELECTRICAL

- . THE WORK COVERED BY DIVISION 16 CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS (EXCEPT AS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS) REQUIRED TO PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE ELECTRICAL SYSTEMS. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.
- 2. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO PREVENT CONFLICTS CAUSING UNNECESSARY EXPENSE OR DELAYS IN THE INSTALLATION OF WORK. WHEN CONFLICTS ARISE, REMOVE AND RELOCATE ITEMS CAUSING SUCH CONFLICTS AT NO ADDITIONAL COST TO THE OWNER. REFER TO OTHER DISCIPLINE'S DRAWINGS, RELEVANT EQUIPMENT DRAWINGS, AND SHOP DRAWINGS TO DETERMINE AVAILABLE CLEARANCES AND POSSIBLE OBSTRUCTIONS. MAKE ANY NECESSARY OFFSETS OR TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, EXISTING EQUIPMENT, ETC. TO FACILITATE INSTALLATION OF THE WORK IN THE MANNER
- 3. ALL WORK SHALL COMPLY WITH THE LOCALLY ADOPTED ELECTRICAL CODE AND ALL APPLICABLE LAWS, CODES, RECOMMENDATIONS, REGULATIONS, AND INTERIM AMENDMENTS, OF THE GOVERNMENTAL BODIES HAVING JURISDICTION INCLUDING ADA COMPLIANCE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE GOVERNING SAFETY REGULATIONS, INCLUDING OSHA REGULATIONS. ALL SAFETY LIGHTS, GUARDS AND SIGNS REQUIRED FOR THE PERFORMANCE OF THE ELECTRICAL WORK SHALL BE PROVIDED BY AND OPERATED BY THE ELECTRICAL CONTRACTOR
- 4. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE, DEVICES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL FIXTURES, DEVICES, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT FURNISHED BY OTHERS.
- 5. ELECTRICAL DESIGN FOR THIS INSTALLATION IS BASED ON FIELD INSPECTIONS AND PREVIOUS DESIGN DRAWINGS FOR THE EXISTING BUILDING. ELECTRICAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. ALLOWANCES ARE TO BE INCLUDED FOR UNFORESEEN EXISTING CONDITIONS THAT MAY EFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN IS TO BE INCLUDED IN THIS ALLOWANCE.
- 6. ELECTRICAL CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES. ANY ITEM DAMAGED BY THIS CONTRACTOR IS TO BE REPAIRED IMMEDIATELY AND AT NO COST TO THE OWNER.
- 7. ROOF PENETRATIONS SHALL COMPLY WITH "SMACNA" AND "NRCA" STANDARDS, AND WITH THE REQUIREMENTS OF THE EXISTING ROOFING WARRANTY, IF APPLICABLE. DO NOT PERFORM ROOFING PENETRATIONS IN A MANNER WHICH WOULD VOID OR OTHERWISE LIMIT THE EXISTING ROOFING WARRANTY.
- 8. ALL EQUIPMENT AND COMPONENTS FURNISHED AND/OR INSTALLED SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
- 9. TEMPORARY ELECTRICAL SERVICE:
- A. PROVIDE TEMPORARY ELECTRICAL SERVICE FOR POWER AND LIGHTING DURING CONSTRUCTION. MAINTAIN DURING CONSTRUCTION AND REMOVE SERVICE AFTER CONSTRUCTION IS COMPLETED. THE TEMPORARY SYSTEM SHALL CONSIST OF AN ELECTRICAL SERVICE, DISTRIBUTION SYSTEM, LOAD-CENTER PANEL, GROUNDING, 15 AMP AND/OR 20 AMP BRANCH CIRCUITS, GROUNDED TYPE RECEPTACLES AND
- B. PROVIDE AND INSTALL SUFFICIENT NUMBER OF TEMPORARY LIGHT FIXTURES FOR A SAFE INSTALLATION FOR ALL TRADES THROUGHOUT THE BUILDING. ALL LAMPS FOR GENERAL ILLUMINATION SHALL BE PROTECTED FROM ACCIDENTAL CONTACT OR BREAKAGE BY SUITABLE FIXTURE OR LAMPHOLDER WITH A GUARD. (NO 3. SELF ADHESIVE, COMMERCIALLY AVAILABLE ARC FLASH HAZARD LABELS. LABELS TO EXCEPTIONS.)

10. WARRANTIES:

- A. CONTRACTOR SHALL WARRANT ALL WORK PERFORMED AND MATERIAL & LABOR PROVIDED UNDER THE CONTRACT AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM SUBSTANTIAL COMPLETION. PROVIDE ALL 5. APPLY EQUIPMENT IDENTIFICATION LABELS OF ENGRAVED PLASTIC - LAMINATE ON SERVICES AS REQUIRED TO IMMEDIATELY REPAIR OR REPLACE, AT NO ADDITIONAL COST, ANY DEFECTIVE PART OF THE INSTALLATION RESULTING FROM THE SUPPLY OF FAULTY WORKMANSHIP OR MATERIAL. LACK OF MAINTENANCE, ACCIDENTS, OR CARELESSNESS ON THE PART OF THE OWNER SHALL NOT BE INCLUDED IN THIS
- B. ALL LAMPS ARE TO BE WARRANTED ACCORDING TO LAMP MANUFACTURER, WHICH N RASED ON AVERAGE LIFE DATA FOR FACH SPECIFIC PROVIDE LABOR TO REPLACE ALL DEFECTIVE LAMPS THAT ARE WITHIN LAMP MANUFACTURER'S WARRANTY PERIOD.
- C. ALL EQUIPMENT, APPARATUS AND APPLIANCES WHICH ARE SPECIFIED AND/OR COME WITH WARRANTIES LONGER THAN ONE YEAR SHALL BE REGISTERED WITH THE MANUFACTURER IN THE OWNER'S NAME.

11 FXCAVATION:

- A. PROVIDE ALL EXCAVATION AND BACKFILL AS NECESSARY TO INSTALL THE CONDUIT SECTION 16075 IDENTIFICATION SYSTEMS AS SHOWN ON THE DRAWINGS.
- B. CARE SHALL BE TAKEN IN EXCAVATING THAT WALLS AND FOOTINGS AND ADJACENT LOAD BEARING SOILS ARE NOT DISTURBED IN ANY WAY. WHERE RACEWAYS MUST CROSS UNDER A WALL FOOTING, THE EXCAVATION SHALL BE KEPT AT A MINIMUM.
- C. CONDUIT SHALL BE SUPPORTED DIRECTLY ON UNDISTURBED SOIL, DO NOT EXCAVATE BEYOND INDICATED DEPTH. IF EXISTING SOIL IS UNSUITABLE (SOFT 2. CABLE TIES: FUNGUS-INERT, SELF-EXTINGUISHING, ONE-PIECE, SELF-LOCKING SPOT OR ROCK), EXCAVATE TO SOLID SUBGRADE, OR 6" FOR ROCK, BELOW BOTTOM OF WORK AND PROVIDE SUB-BASE MATERIAL AS REQUIRED.
- D. IMMEDIATELY AFTER INSTALLATION, THE TRENCH SHALL BE CAREFULLY BACKFILLED WITH EARTH FREE FROM CLODS, BRICK, ETC. TO A DEPTH ONE-HALF THE RACEWAY DIAMETER AND THEN FIRMLY TAMPED IN SUCH A MANNER AS NOT TO DISTURB ALIGNMENT OR JOINTS OF THE CONDUIT. THEREAFTER THE BACKFILL SHALL BE TAMPED EVERY VERTICAL FOOT.

12. CUTTING AND PATCHING:

- PRIOR APPROVAL FROM THE ARCHITECT.
- B. PROVIDE CUTTING, PATCHING, AND PATCH PAINTING IN EXISTING STRUCTURES, AS REQUIRED FOR THE INSTALLATION OF WORK OF THIS SECTION. EXTENT OF CUTTING SHALL BE MINIMIZED. USE CORE DRILLS, POWER SAWS, AND OTHER MACHINES WHICH WILL PROVIDE NEAT, MINIMUM OPENINGS. REFER TO STRUCTURAL DRAWINGS FOR LINTELS AND SUPPORTS TO BE FURNISHED BY OTHERS FOR THE ELECTRICAL WORK. ALL OTHER LINTELS AND SUPPORTS REQUIRED FOR THE ELECTRICAL WORK SHALL BE FURNISHED BY DIVISION 16. PATCHING SHALL MATCH AND EQUAL ADJACENT MATERIALS AND SURFACES AND SHALL BE PERFORMED BY CRAFTSMAN SKILLED IN THE RESPECTIVE CRAFT REQUIRED. PATCHED FINISHES SHALL BE APPROVED BY THE ARCHITECT.
- C. ALL PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED AND REPLACED BY THIS CONTRACTOR, TO THE SATISFACTION OF THE AUTHORITIES HAVING REGULATORY JURISDICTION AND BUILDING OWNER.

SECTION 16060 - GROUNDING

- 1. EXTENT OF ELECTRICAL GROUNDING AND BONDING WORK IS INDICATED BY DRAWINGS AND AS SPECIFIED HEREIN. GROUNDING AND BONDING WORK IS DEFINED TO ENCOMPASS SYSTEMS, CIRCUITS, AND EQUIPMENT.
- . EXCEPT AS OTHERWISE INDICATED, PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEMS INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING, BUT NOT LIMITED TO, AND PLATE ELECTRODES, BONDING JUMPER BRAID, AND ADDITIONAL ACCESSORIES NEEDED FOR A COMPLETE INSTALLATION. WHERE MORE THAN ONE TYPE COMPONENT PRODUCT MEETS INDICATED REQUIREMENTS, SELECTION IS INSTALLER'S OPTION. WHERE MATERIALS OR COMPONENTS ARE NOT INDICATED, PROVIDE PRODUCTS WHICH COMPLY WITH BUILDING CODES, UL, AND IEEE REQUIREMENTS AND WITH ESTABLISHED INDUSTRY STANDARDS FOR THOSE APPLICATIONS INDICATED.
- 3. INSTALL ELECTRICAL GROUNDING AND BONDING SYSTEMS AS INDICATED. IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE PORTIONS OF THE BUILDING CODES, NECA'S "STANDARD OF INSTALLATION", AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT PRODUCTS COMPLY WITH REQUIREMENTS.
- 4. RACEWAY SYSTEMS SHALL <u>NOT</u> BE USED AS GROUNDING METHOD. ALL BRANCH AND FEEDER CONDUITS TO HAVE A GROUNDING CONDUCTOR INSTALLED WITH PHASE AND NEUTRAL CONDUCTORS. SIZE OF GROUND CONDUCTOR TO BE IN ACCORDANCE WITH THE ADOPTED ELECTRICAL CODE. TERMINATE FEEDER AND BRANCH CIRCUIT INSULATED EQUIPMENT GROUNDING CONDUCTORS WITH GROUNDING LUG, BUS, OR
- 5. INSTALLATION OF ELECTRICAL GROUNDING AND BONDING SYSTEMS:
- A. GROUNDING ELECTRODE CONDUCTORS, WHERE NOT INSTALLED AS PART OF A BRANCH CIRCUIT OR FEEDER, SHALL BE INSTALLED IN PVC CONDUIT, TO PROTECT THE WIRING FROM PHYSICAL DAMAGE.
- B. CONNECT GROUNDING ELECTRODE CONDUCTORS TO METAL COLD WATER PIPE AND ALL OTHER TYPES OF METAL PIPING WITHIN THE BUILDING USING A SUITABLY SIZED GROUND CLAMP. PROVIDE CONNECTIONS TO FLANGED PIPING TO STREET SIDE OF FLANGE. PROVIDE BONDING AS DESCRIBED IN ADOPTED ELECTRICAL CODE INCLUDING BONDING JUMPER AROUND WATER METER.
- C. CONNECT TOGETHER SYSTEM NEUTRAL, SERVICE EQUIPMENT ENCLOSURES, EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, METAL RACEWAY SYSTEMS, GROUNDING CONDUCTOR IN RACEWAYS AND CABLES, RECEPTACLE GROUND CONNECTORS, AND PLUMBING SYSTEMS.
- D. THE UTILITY COMPANY METER SOCKET SHALL BE GROUNDED TO A 1/2" X 10' COPPER CLAD STEEL GROUND ROD WITH COPPER WIRE INSTALLED IN P.V.C. CONDUIT. THE GROUND ROD SHALL BE DRIVEN INTO THE EARTH WITH THE TOP 1'-0" BELOW GRADE, AS NEAR AS POSSIBLE TO THE LOCATION OF THE METER SOCKET WITH THE TOP 1'-0" BELOW FINISHED GRADE.

SECTION 16075 — IDENTIFICATION

- . ENGRAVED, PLASTIC-LAMINATED LABELS, SIGNS, AND INSTRUCTION PLATES: ENGRAVING STOCK MELAMINE PLASTIC LAMINATE, 1/16-INCH MINIMUM THICK FOR SIGNS UP TO 20 SQUARE INCHES, OR 8 INCHES IN LENGTH; 1/8-INCH THICK FOR LARGER SIZES. ENGRAVED LEGEND IN WHITE LETTERS ON BLACK FACE AND PUNCHED FOR MECHANICAL FASTENERS.
- . CABLE TIES: FUNGUS-INERT, SELF-EXTINGUISHING, ONE-PIECE, SELF-LOCKING NYLON CABLE TIES, 0.18-INCH MINIMUM WIDTH, 50-LB MINIMUM TENSILE STRENGTH, AND SUITABLE FOR A TEMPERATURE RANGE FROM MINUS 50 F TO 350 F. PROVIDE TIES IN SPECIFIED COLORS WHEN USED FOR COLOR-CODING.
- CONFORM TO THE ADOPTED ELECTRICAL CODE AND A.N.S.I. Z535.4.
- 4. CONDUCTOR COLOR CODING: PROVIDE COLOR CODING FOR SECONDARY SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUCTORS THROUGHOUT THE PROJECT SECONDARY
- EACH MAJOR UNIT OF ELECTRICAL EQUIPMENT IN BUILDING, INCLUDING CENTRAL OR MASTER UNIT OF EACH ELECTRICAL SYSTEM. THIS INCLUDES COMMUNICATION/SIGNAL/ALARM SYSTEMS, UNLESS UNIT IS SPECIFIED WITH ITS OWN SELF-EXPLANATORY IDENTIFICATION. EXCEPT AS OTHERWISE INDICATED, PROVIDE SINGLE LINE OF TEXT, WITH 1/4-INCH-HIGH LETTERING ON 1-INCH-HIGH LABEL (1-1/2-INCH-HIGH WHERE TWO LINES ARE REQUIRED). WHITE LETTERING IN BLACK FIELD. TEXT SHALL MATCH TERMINOLOGY AND NUMBERING OF THE CONTRACT FOLLOWING CATEGORIES OF ELECTRICAL EQUIPMENT.
- A. PANELBOARDS, ELECTRICAL CABINETS, AND ENCLOSURES B. ELECTRICAL SWITCHGEAR AND SWITCHBOARDS C. MOTOR STARTERS AND/OR VFDs FURNISHED BY THIS CONTRACTOR DISCONNECT SWITCHES

ELECTRICAL SYSTEM PER WIRES AND CABLING SECTION.

- ENGRAVED, PLASTIC-LAMINATED LABELS, SIGNS, AND INSTRUCTION PLATES: ENGRAVING STOCK MELAMINE PLASTIC LAMINATE, 1/16-INCH MINIMUM THICK FOR SIGNS UP TO 20 SQUARE INCHES, OR 8 INCHES IN LENGTH; 1/8-INCH THICK FOR LARGER SIZES. ENGRAVED LEGEND IN WHITE LETTERS ON BLACK FACE AND PUNCHED FOR MECHANICAL FASTENERS.
- NYLON CABLE TIES, 0.18-INCH MINIMUM WIDTH, 50-LB MINIMUM TENSILE STRENGTH, AND SUITABLE FOR A TEMPERATURE RANGE FROM MINUS 50 F TO 350 F. PROVIDE TIES IN SPECIFIED COLORS WHEN USED FOR COLOR-CODING.
- . SELF ADHESIVE, COMMERCIALLY AVAILABLE ARC FLASH HAZARD LABELS. LABELS TO CONFORM TO THE ADOPTED ELECTRICAL CODE AND A.N.S.I. Z535.4.
- 4. CONDUCTOR COLOR CODING: PROVIDE COLOR CODING FOR SECONDARY SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUCTORS THROUGHOUT THE PROJECT SECONDARY ELECTRICAL SYSTEM PER WIRES AND CABLING SECTION.
- A. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR PENETRATED WITHOUT 5. APPLY EQUIPMENT IDENTIFICATION LABELS OF ENGRAVED PLASTIC- LAMINATE ON EACH MAJOR UNIT OF ELECTRICAL EQUIPMENT IN BUILDING, INCLUDING CENTRAL OR MASTER UNIT OF EACH ELECTRICAL SYSTEM. THIS INCLUDES COMMUNICATION/SIGNAL/ALARM SYSTEMS, UNLESS UNIT IS SPECIFIED WITH ITS OWN SELF-EXPLANATORY IDENTIFICATION. EXCEPT AS OTHERWISE INDICATED, PROVIDE SINGLE LINE OF TEXT, WITH 1/4-INCH-HIGH LETTERING ON 1-INCH-HIGH LABEL (1-1/2-INCH-HIGH WHERE TWO LINES ARE REQUIRED), WHITE LETTERING IN BLACK FIELD. TEXT SHALL MATCH TERMINOLOGY AND NUMBERING OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. APPLY LABELS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF ELECTRICAL EQUIPMENT.
 - A. PANELBOARDS, ELECTRICAL CABINETS, AND ENCLOSURES B. ELECTRICAL SWITCHGEAR AND SWITCHBOARDS
 - MOTOR STARTERS AND/OR VFDs FURNISHED BY THIS CONTRACTOR D. DISCONNECT SWITCHES
 - E. CONTACTORS

E. CONTACTORS

SECTION 16120 - WIRES AND CABLES

- CONDUCTORS: PROVIDE SOLID CONDUCTORS FOR POWER AND LIGHTING CIRCUITS NO. 10 AWG AND SMALLER. PROVIDE STRANDED CONDUCTORS FOR SIZES NO. 8 AWG AND LARGER.
- 2. CONDUCTOR MATERIAL: COPPER FOR ALL WIRES AND CABLES.
- CABLES/WIRES, CONNECTORS, SOLDERLESS LUG TERMINALS, GROUNDING ELECTRODES 3. INSULATION: PROVIDE THHN/THWN INSULATION FOR ALL CONDUCTORS NO. 14 AWG THRU NO. 10 AWG. FOR ALL OTHER SIZES PROVIDE THHN/THWN OR XHHW
 - 4. ALUMINUM CONDUCTORS ARE NOT APPROVED OR ACCEPTABLE.

INSULATION AS APPROPRIATE FOR THE LOCATION WHERE INSTALLED.

5. ALUMINUM CONDUCTORS:

- A. AT THE CONTRACTOR'S OPTION, ALUMINUM CONDUCTORS WILL BE ALLOWED FOR COPPER SIZES RATED FOR 100 AMPERES AND LARGER BUT, SIZE MUST BE INCREASED TO EQUAL OR EXCEED THE COPPER AMPACITY IN ACCORDANCE WITH ADOPTED ELECTRICAL CODE. RACEWAY AND PULL BOXES MUST BE INCREASED TO CONFORM TO ADOPTED ELECTRICAL CODE. ALL ALUMINUM CONDUCTORS MUST BE MADE BASED ON COMPACT STRANDED, AA-8000 SERIES ALUMINUM ALLOY MATERIAL EQUAL TO "STABILOY" ALCAN CABLE.
- B. IF ALUMINUM CABLE IS TO BE INSTALLED ON THIS PROJECT, CONTRACTOR IS TO NOTIFY ENGINEER IN WRITING, AT TIME OF SUBMITTAL DRAWINGS. CONTRACTOR IS 4. SURFACE RACEWAYS: TO LIST ALL FEEDERS THAT WILL BE CHANGED TO ALUMINUM, AND INDICATE THE REVISED ALUMINUM CONDUCTOR SIZE.
- C. CONNECTORS AND TERMINATIONS INSTALLED WITH ALUMINUM-ALLOY CONDUCTORS SHALL BE COMPRESSION TYPE ONLY, AND ONLY THOSE LISTED BY UNDERWRITER'S LABORATORIES STRANDED 486-B AND MARKED "AL7CU" FOR 75C RATED CIRCUITS.
- D. IF THE CONTRACTOR DECIDES TO EXERCISE THE OPTION OF ALUMINUM 5. WIRING METHOD: CONDUCTORS FOR CONNECTIONS TO EQUIPMENT PROVIDED AND/OR INSTALLED BY OTHER TRADES, THEN THIS CONTRACTOR SHALL REIMBURSE THE EQUIPMENT SUPPLIER FOR ANY COST ASSOCIATED WITH THE MODIFICATIONS REQUIRED TO THAT EQUIPMENT.
- ENDS OF ALL CONDUCTORS ARE TO BE BRUSHED CLEAN AND PRIOR TO FINAL CONNECTION. EXPOSED PORTION OF CONDUCTOR TO BE COVERED WITH ALUMINUM OXIDE INHIBITOR. CONDUCTOR TERMINATION MADE WITH SET-SCREW TERMINAL LUGS ARE TO BE TORQUED, USING A TORQUE WRENCH, IN ACCORDANCE WITH LUG MANUFACTURER SPECIFICATIONS OR ACCORDING TO UL STANDARD 486B. AT THE COMPLETION OF THE PROJECT CONTRACTOR IS TO CHECK TORQUE VALUES ON ALL ALUMINUM TERMINATIONS. CONTRACTOR IS TO SUBMIT IN WRITING, AT TIME OF RECORD DRAWINGS, A COMPLETE LIST OF APPLIED TORQUE VALUES FOR ALL ALUMINUM TERMINATIONS.
- 6. VARIABLE FREQUENCY DRIVE CABLES: WHERE A VFD IS INSTALLED, PROVIDE A VFD CABLING SYSTEM FROM THE VFD TO THE CONTROLLED EQUIPMENT MANUFACTURED MEETING THE FOLLOWING SPECIFICATIONS: 6.1. ASTM B3 AND B8
- 6.2. UL 44, UL 1277 6.3. COLOR CODE PER ICEA S-58-679 METHOD 4
- 6.4. IEEE 1202/FT4 FLAME TEST 6.5. CONDUCTORS SHALL BE CLASS B STRANDED, UNCOATED ANNEALED COPPER; EACH CONDUCTOR SHALL BE INSULATED WITH BLACK POLYETHYLENE. A 5 MIL UNCOATED COPPER TAPE SHIELD, HELICALLY WRAPPED OVER THE TWISTED ASSEMBLY WITH A 50% OVERLAP AND IN CONTACT WITH THE GROUND WIRE. WITH A FLAME RETARDANT PVC JACKET OUTER JACKET.

1. INSTALLATION OF WIRES AND CABLES:

- A. ALL BRANCH CIRCUIT WIRES, FEEDER CABLES, ETC., SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. NO JOINTS SHALL BE MADE EXCEPT IN OUTLET, JUNCTION OR PULL BOXES, PANELBOARD AND SWITCHBOARD GUTTERS. FOR THE SPLICING OF EXISTING FEEDER CONDUCTORS, COMPRESSION TYPE BUTT SPLICES WITH COLD SHRINK INSULATION KITS ARE TO BE USED.
- B. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES. WHERE MANUFACTURER'S TORQUE REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUE'S SPECIFIED IN UL 486A AND UL 486B.
- C. TERMINALS ON SWITCHES AND CONVENIENCE OUTLETS SHALL NOT BE USED TO TO THE NEXT SWITCH OR OUTLET. WHERE MORE THAN ONE GROUND, COMMON NEUTRAL, OR COMMON PHASE CONDUCTOR ENTERS A BOX, ALL LIKE CONDUCTORS SHALL BE IN GOOD ELECTRICAL CONTACT WITH EACH OTHER AND THE ARRANGEMENT SHALL BE SUCH, THAT THE DISCONNECTING OR REMOVAL OF A DEVICE FED FROM THE BOX, WILL NOT INTERFERE WITH OR INTERRUPT SERVICE TO THE REMAINDER OF THE BRANCH CIRCUIT WIRING.

208Y/120 VOLTS NORMAL	<u>PHASE</u>
BLACK	А
RED	В
BLUE	С
WHITE	NEUTRAL
GREEN	GROUND
GREEN W/ YELLOW STRIP	ISOLATED GROUND

SECTION 16130 - RACEWAYS

- 1. THIS SECTION INCLUDES RACEWAYS FOR ELECTRICAL WIRING. TYPES OF RACEWAYS IN THIS SECTION INCLUDE THE FOLLOWING:
- A. ELECTRICAL METALLIC TUBING (EMT)
- B. INTERMEDIATE METAL CONDUIT (IMC)
- C. FLEXIBLE METAL CONDUIT D. LIQUID-TIGHT FLEXIBLE CONDUIT
- E. RIGID METAL CONDUIT
- F. RIGID NONMETALLIC CONDUIT (PVC) G. SURFACE RACEWAYS
- H. WIRFWAY I. METAL CLAD (MC) AND ALUMINUM CLAD (AC) CABLE

A. ELECTRICAL WIREWAYS SHALL BE OF TYPES, SIZES, AND NUMBER OF CHANNELS AS INDICATED. FITTINGS AND ACCESSORIES INCLUDING BUT NOT LIMITED TO COUPLINGS, OFFSETS, ELBOWS, EXPANSION JOINTS, ADAPTERS, HOLD-DOWN STRAPS, AND END CAPS SHALL MATCH AND MATE WITH WIREWAY AS REQUIRED FOR A COMPLETE SYSTEM. WHERE FEATURES ARE NOT INDICATED, SELECT TO FULFILL WIRING REQUIREMENTS AND COMPLY WITH APPLICABLE PROVISIONS OF ADOPTED ELECTRICAL CODE.

A. SIZES AND CHANNELS AS INDICATED, MINIMUM SIZE TO BE EQUAL TO WIREMOLD #500 SERIES. PROVIDE FITTINGS THAT MATCH AND MATE WITH RACEWAY. CONSTRUCT OF GALVANIZED STEEL WITH SNAP-ON COVERS, WITH 1/8-INCH MOUNTING SCREW KNOCKOUTS IN BASE APPROXIMATELY 8 INCHES ON-CENTER. FINISH WITH MANUFACTURER'S STANDARD PRIME COATING SUITABLE FOR PAINTING. PROVIDE RACEWAYS OF TYPE SUITABLE FOR EACH APPLICATION REQUIRED.

- A. OUTDOORS: USE THE FOLLOWING WIRING METHODS:
- A.2. CONCEALED: INTERMEDIATE METAL CONDUIT A.3. UNDERGROUND. RIGID NONMETAL CONDUIT.

A.1. EXPOSED: INTERMEDIATE METAL CONDUIT.

- A.4. CONNECTION TO VIBRATING EQUIPMENT: INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC OR ELECTRIC SOLENOID OR MOTOR-DRIVEN
- EQUIPMENT: LIQUID-TIGHT FLEXIBLE METAL CONDUIT. A.5. INDOORS OR OUTDOORS: CONNECTION TO VIBRATING EQUIPMENT AND HYDRAULIC, PNEUMATIC, OR ELECTRIC SOLENOID OR MOTOR-DRIVEN EQUIPMENT IN MOIST OR HUMID LOCATION OR CORROSIVE ATMOSPHERE, OR WHERE SUBJECT TO WATER SPRAY OR DRIPPING OIL, GREASE, OR WATER: LIQUID-TIGHT FLEXIBLE METAL CONDUIT.
- B. INDOORS: USE THE FOLLOWING WIRING METHODS: B.1. CONNECTION TO VIBRATING EQUIPMENT: INCLUDING TRANSFORMERS AND
- HYDRAULIC, PNEUMATIC OR ELECTRIC SOLENOID OR MOTOR-OPERATED EQUIPMENT: FLEXIBLE METAL CONDUIT.
- B.2. EXPOSED: ELECTRICAL METALLIC TUBING CONDUIT. CONCEALED: ELECTRICAL METALLIC TUBING.
- B.4. CONCEALED, IN CONCRETE EMBEDDED, STRUCTURAL INTERIOR WALLS, OR ROOF DECK PENETRATIONS: INTERMEDIATE METAL OR RIGID METAL CONDUIT.
- B.5. UNDER CONCRETE FLOOR (SLAB ON GRADE): INTERMEDIATE METAL OR RIGID METAL CONDUIT
- C. P.V.C. CONDUIT CAN BE INSTALLED BELOW FLOOR SLAB INDOORS, ONLY IF RIGID STEEL ELBOWS ARE USED WHEN PASSING THRU FLOOR SLAB. MINIMUM SIZE P.V.C. CONDUIT THAT CAN BE INSTALLED IS 3/4" UNLESS NOTED OTHERWISE. ALL P.V.C. CONDUIT JOINTS ARE TO BE GLUED AND SEALED TO PREVENT MOISTURE FROM ENTERING RACEWAY SYSTEM. CONDUITS FOUND TO CONTAIN MOISTURE WILL BE REPAIRED OR REPLACED AS REQUIRED PRIOR TO INSTALLATION OF CONDUCTORS.
- D. METAL CLAD (MC) AND ALUMINUM CLAD (AC) CABLE D.1. MC AND AC CABLE MAY BE USED IN LIEU OF E.M.T. CONDUIT IF ACCEPTABLE TO LOCAL AUTHORITIES AND INSTALLED PER ELECTRICAL CODE REGARDING SUPPORT, GROUNDING AND CABLE TERMINATIONS. ALL MC AND AC CABLE NOT INSTALLED PER THE ADOPTED CODE SHALL BE REMOVED, REINSTALLED AND CORRECTED AT CONTRACTOR'S EXPENSE WITH NO EXTENSION IN THE
- D.2. MC AND AC CABLE MUST BE SUPPORTED AND SECURED BY STAPLES, CABLE TIES, STRAPS, HANGERS, OR SIMILAR FITTINGS, DESIGNED AND INSTALLED SO AS NOT TO DAMAGE THE CABLE D.3. MC AND AC CABLE, WITH FOUR OR LESS CONDUCTORS SIZED NO LARGER
- JUNCTION BOX, CABINET, OR FITTING AND AT INTERVALS NOT EXCEEDING 6. WEATHERPROOF PULL AND SPLICE BOXES: D.4. MC AND AC CABLE MUST BE SUPPORTED AT INTERVALS NOT EXCEEDING 6 FT. CABLES INSTALLED HORIZONTALLY THROUGH WOODEN OR METAL FRAMING MEMBERS ARE CONSIDERED SECURED AND SUPPORTED WHERE SUCH

THAN 10 AWG, MUST BE SECURED WITHIN 12 IN. OF EVERY OUTLET BOX,

- SUPPORT DOESN'T EXCEED 6 FT INTERVALS. D.5. MAY NOT BE USED IN EXTERIOR APPLICATIONS
- 6. CONDUIT SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FROM OUTLET 7. FIRESTOP FOR RECESSED WALL BOXES: TO OUTLET, CABINET OR FITTING, AND BE SO MECHANICALLY AND ELECTRICALLY CONNECTED THAT ADEQUATE ELECTRICAL CONTINUITY FROM ONE CONDUIT TO ANOTHER IS SECURED. THE ENTIRE SYSTEMS SHALL BE SECURELY FASTENED IN PLACE WITHIN 3' OF EACH OUTLET OR JUNCTION BOX, CABINET OR FITTING, AND AT INTERVALS NOT EXCEEDING 10', EXCEPT AS OTHERWISE SPECIFIED OR SHOWN. SINGLE CONDUITS FOR FEEDERS SHALL BE HUNG WITH GRINNEL, CRANE, OR EQUAL, MALLEABLE SPLIT RING HANGERS WITH ROD SUSPENSION SPACED NOT OVER 10' APART FROM CONSTRUCTION ABOVE. GROUPS OF HORIZONTAL FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE CLAMPED TO UNISTRUT, OR EQUAL, STEEL CHANNELS AND SUSPENDED FROM RODS SUPPORTED FROM STRUCTURE, SPACED NOT OVER 10' APART FROM CONSTRUCTION ABOVE. WHERE POSSIBLE CONDUITS MAY BE CLAMPED 8. FLOOR BOXES IN SLABS ON GRADE AND WET LOCATIONS TO BE NEMA TYPE 4, DIRECTLY TO THE STEEL JOISTS.
- 7. USE RACEWAY FITTINGS THAT ARE OF TYPES COMPATIBLE WITH THE ASSOCIATED RACEWAY AND SUITABLE FOR THE USE AND LOCATION. FOR INTERMEDIATE METAL CONDUIT, USE THREADED RIGID STEEL CONDUIT FITTINGS. FOR EMT CONDUITS: FITTINGS ARE TO BE COMPRESSION OR SET SCREW TYPE.
- 8. INSTALL PULL WIRES IN EMPTY RACEWAYS. USE NO. 14 AWG ZINC-COATED STEEL OR MONOFILAMENT PLASTIC LINE HAVING NOT LESS THAN 200-LB TENSILE STRENGTH. LEAVE NOT LESS THAN 12 INCHES OF SLACK AT EACH END OF THE PULL WIRE.
- 9. TELEPHONE AND SIGNAL SYSTEM RACEWAYS 2-INCH TRADE SIZE AND SMALLER: IN ADDITION TO THE ABOVE REQUIREMENTS, INSTALL RACEWAYS IN MAXIMUM LENGTHS OF 150 FEET AND WITH A MAXIMUM OF TWO, 90 BENDS OR EQUIVALENT. INSTALL PULL OR JUNCTION BOXES WHERE NECESSARY TO COMPLY WITH THESE REQUIREMENTS.
- 10. ALL CONDUITS ABOVE LAY-IN CEILING SYSTEM SHALL NOT BE SUPPORTED FROM CEILING SUSPENSION WIRES.

11. PROVIDE 36" MINIMUM RADIUS RIGID STEEL CONDUIT ELBOWS FOR PRIMARY SERVICE

- CONDUITS UNDER THE TRANSFORMER PAD. 12. CONDUITS CAPPED OUTSIDE OF BUILDING FOR FUTURE ADDITION SHALL BE A
- MINIMUM OF 1'-6" BELOW FINISH GRADE, CAPPED AND PAINTED WITH BITUMINOUS PAINT, WHICH SHALL BE THOROUGHLY DRY, BEFORE BACKFILL IS INSTALLED.
- 13. METAL CLAD (MC) AND ALUMINUM CLAD (AC) CABLES:
- A. ALL HOMERUNS TO PANELBOARDS SHALL REMAIN IN E.M.T. CONDUIT. B. MC AND AC CABLES SHALL NOT BE USED IN EXPOSED AREAS.
- C. ALL FITTINGS SHALL BE LISTED FOR USE WITH MC AND AC CABLE USED. D. CONDUCTORS IN MC AND AC CABLE SHALL COMPLY WITH SECTION "WIRES &

- SECTION 16135 CABINETS, BOXES AND FITTINGS
 - 1. THIS SECTION INCLUDES CABINETS, BOXES, AND FITTINGS FOR ELECTRICAL INSTALLATIONS AND CERTAIN TYPES OF ELECTRICAL FITTINGS NOT COVERED IN OTHER
 - 2. METAL OUTLET, DEVICE, AND SMALL WIRING BOXES:
 - A. GENERAL: CONFORM TO UL 514A, "METALLIC OUTLET BOXES, ELECTRICAL," AND UL 514B, "FITTINGS FOR CONDUIT AND OUTLET BOXES." BOXES SHALL BE OF TYPE, SHAPE, SIZE, AND DEPTH TO SUIT EACH LOCATION AND APPLICATION.
 - B. STEEL BOXES: CONFORM TO NEMA OS 1, "SHEET STEEL OUTLET BOXES, DEVICE BOXES, COVERS, AND BOX SUPPORTS." BOXES SHALL BE SHEET STEEL WITH STAMPED KNOCKOUTS, THREADED SCREW HOLES AND ACCESSORIES SUITABLE FOR EACH LOCATION INCLUDING MOUNTING BRACKETS AND STRAPS, CABLE CLAMPS, EXTERIOR RINGS AND FIXTURE STUDS.
 - CAST-IRON FLOOR BOXES: FULLY ADJUSTABLE, WATERPROOF, WITH THREADED RACEWAY ENTRANCES, RECTANGULAR BOX OPENING, ADJUSTING RINGS, GASKETS, BRASS FLOOR PLATES, AND POLYCARBONATE CARPET FLANGE. WHERE INDICATED, PROVIDE MULTI-SECTION BOXES WITH INDIVIDUAL HINGED SECTION COVERS AND PROVIDE FOR A DUPLEX RECEPTACLE UNDER ONE OR MORE OF THE COVERS.
 - 3. PULL AND JUNCTION BOXES:
 - A. COMPLY WITH UL 50, "ELECTRICAL CABINETS AND BOXES", FOR BOXES OVER 100 CUBIC INCHES VOLUME. BOXES SHALL HAVE SCREWED OR BOLTED ON COVERS OF MATERIAL SAME AS BOXES AND SHALL BE OF SIZE AND SHAPE TO SUIT APPLICATION.
 - STEEL BOXES: SHEET STEEL WITH WELDED SEAMS. WHERE NECESSARY TO PROVIDE A RIGID ASSEMBLY, CONSTRUCT WITH INTERNAL STRUCTURAL STEEL
 - C. HOT-DIPPED GALVANIZED STEEL BOXES: SHEET STEEL WITH WELDED SEAMS. WHERE NECESSARY TO PROVIDE A RIGID ASSEMBLY, CONSTRUCT WITH INTERNAL STRUCTURAL STEEL BRACING. HOT-DIP GALVANIZED AFTER FABRICATION.

- A. COMPLY WITH UL 50, "ELECTRICAL CABINETS AND BOXES." SHEET STEEL, NEMA 1 CLASS EXCEPT AS OTHERWISE INDICATED. CABINET SHALL CONSIST OF A BOX AND A FRONT CONSISTING OF A ONE-PIECE FRAME AND A HINGED DOOR. ARRANGE DOOR TO CLOSE AGAINST A RABBET PLACED ALL AROUND THE INSIDE EDGE OF THE FRAME, WITH A UNIFORMLY CLOSE FIT BETWEEN DOOR AND FRAME. PROVIDE CONCEALED FASTENERS, NOT OVER 24-INCHES APART, TO HOLD FRONTS TO CABINET BOXES AND PROVIDE FOR ADJUSTMENT. PROVIDE FLUSH OR CONCEALED DOOR HINGES NOT OVER 24-INCHES APART AND NOT OVER 6-INCHES FROM TOP AND BOTTOM OF DOOR. FOR FLUSH CABINETS. MAKE THE FRONT APPROXIMATELY 3/4 INCH LARGER THAN THE BOX ALL AROUND. FOR SURFACE MOUNTED CABINETS MAKE FRONT SAME HEIGHT AND WIDTH AS BOX.
- B. DOORS: DOUBLE DOORS FOR CABINETS WIDER THAN 24-INCHES. TELEPHONE CABINETS WIDER THAN 48-INCHES MAY HAVE SLIDING OR REMOVABLE DOORS.
- C. LOCKS: COMBINATION SPRING CATCH AND KEY LOCK, WITH ALL LOCKS FOR CABINETS OF THE SAME SYSTEM KEYED ALIKE. LOCKS MAY BE OMITTED ON SIGNAL, POWER, AND LIGHTING CABINETS LOCATED WITHIN WIRE CLOSETS AND MECHANICAL-ELECTRICAL ROOMS. LOCKS SHALL BE OF A TYPE TO PERMIT DOORS TO LATCH CLOSED WITHOUT LOCKING.

5. STEEL ENCLOSURES WITH HINGED DOORS:

- A. COMPLY WITH UL 50, "CABINETS AND ENCLOSURES" AND NEMA ICS 6, "ENCLOSURES FOR INDUSTRIAL CONTROLS AND SYSTEMS." SHEET STEEL, 16 GAGE MINIMUM, WITH CONTINUOUS WELDED SEAMS. NEMA CLASS AS INDICATED ARRANGED FOR SURFACE MOUNTING.
- B. DOORS: HINGED DIRECTLY TO CABINET AND REMOVABLE, WITH APPROXIMATELY 3/4-INCH FLANGE AROUND ALL EDGES, SHAPED TO COVER EDGE OF BOX. PROVIDE HANDLE OPERATED, KEY LOCKING LATCH. INDIVIDUAL DOOR WIDTH SHALL BE NO GREATER THAN 24-INCHES. PROVIDE MULTIPLE DOORS WHERE REQUIRED.
- ENCLOSURE: WHERE DOOR GASKETING IS REQUIRED, PROVIDE NEOPRENE GASKET ATTACHED WITH OIL-RESISTANT ADHESIVE, AND HELD IN PLACE WITH STEEL RETAINING STRIPS. FOR ALL ENCLOSURES OF CLASS HIGHER THAN NEMA 1, USE HUBBED RACEWAY ENTRANCES.
- A. BOXES TO BE NEMA 12 AND 13 RATED, ALL STEEL CONSTRUCTION CONFORMING TO J.I.C. STANDARD EGP-1-1997. EXTERNAL MOUNTING FEET FOR SURFACE MOUNTING. OIL-RESISTANT GASKET ATTACHED TO INSIDE OF DOOR COVER. CONTINUOUS HINGE AND EXTERNAL SCREW CLAMP FOR QUICK OPENING AND

- A. INSTALLATIONS OF MULTIPLE BOXES (LESS THAN 24" APART) WITH MAXIMUM 4-11/16" BY 4-11/16" FLUSH DEVICE UL LISTED METAL OUTLET BOXES IN FIRE RATED GYPSUM WALL BOARD WALL ASSEMBLIES FRAMED WITH MINIMUM 3-1/2" WIDE WOOD OR STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. 3M #MPP-4S MOLDABLE PUTTY PADS ARE TO BE INSTALLED ON THE EXTERIOR SURFACES OF THE FLUSH DEVICE BOX IN 1 AND 2 HOUR FIRE RATED WALLS AND PARTITIONS.
- CAST-IRON BOXES WITH THREADED HUBS. FLOOR BOXES LOCATED IN SLABS ABOVE GRADE CAN BE STAMPED STEEL. <u>PLASTIC FLOOR BOXES ARE NOT APPROVED.</u>
- A. INSTALL IN CONCRETE FLOOR SLABS SO THEY ARE COMPLETELY ENVELOPED IN CONCRETE EXCEPT FOR THE TOP. WHERE NORMAL SLAB THICKNESS WILL NOT ENVELOP BOX AS SPECIFIED ABOVE, PROVIDE INCREASED THICKNESS OF THE SLAB. PROVIDE EACH COMPARTMENT OF EACH FLOOR BOX WITH GROUNDING TERMINAL CONSISTING OF A WASHER-IN-HEAD MACHINE SCREW, NOT SMALLER THAN NO. 10-32, SCREWED INTO A TAPPED HOLE IN THE BOX. ADJUST COVERS
- 9. PULL AND SPLICE BOXES LOCATED OUTDOORS OR WHERE INDICATED ON DRAWINGS ARE TO BE WEATHERPROOF TYPE J.I.C. BOXES. CONDUIT TERMINATIONS ARE TO BE ACCOMPLISHED BY USING MEYER HUBS.

OF FLOOR BOXES FLUSH WITH FINISHED FLOOR.

10. ELECTRICALLY GROUND METALLIC CABINETS, BOXES, AND ENCLOSURES. WHERE WIRING TO ITEM INCLUDES A GROUNDING CONDUCTOR, PROVIDE A GROUNDING TERMINAL IN THE INTERIOR OF THE CABINET, BOX OR ENCLOSURE.

REVIS	IONS	
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS

Description

RESPONSE TO CITY

ISSUE TABLE

Date

3 9/12/2023

DRAWINGS REVISED AS PER DESIGN BULLETIN





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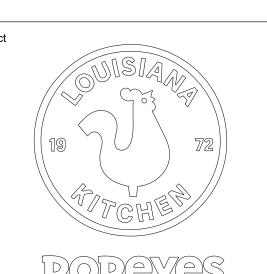
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US 2112 PROTOTYPE

2112-21

1517 NC 24-87

ELECTRICAL

Checked DW AH JUNE 2023 Project No. Drawing No. ES.1 C22-129

SECTION 16140 - WIRING DEVICES SECTION 16140 — WIRING DEVICES SECTION 16410 — DISCONNECTS, CONTACTORS MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE 1. THIS SECTION INCLUDES THE FOLLOWING: OF SECTION "ELECTRICAL IDENTIFICATION." PRODUCTS BY ONE OF THE FOLLOWING: A. RECEPTACLES H. OCCUPANCY SENSOR LIGHTING CONTROL B. LIGHTING AND EQUIPMENT SWITCHES H.1. WALL MOUNTED OCCUPANCY SENSOR TO BE PASSIVE INFRARED COVERING A. GENERAL ELECTRIC CO. C. WALL PLATES B. SQUARE D COMPANY. 1200 (OR 900) SQUARE FEET, RATED FOR 120/277 VOLT, 1500 WATTS D. FLOOR SERVICE OUTLETS C. FATON CORPORATION MAXIMUM LOAD OF INCANDESCENT OR FLUORESCENT LIGHT. SENSOR TO . OCCUPANCY SENSORS . SIEMENS, I.T.E. HAVE 180° FIELD OF VIEW, OFF/AUTO/ON SLIDE SWITCH, ADJUSTABLE ALLEN-BRADLEY CO. F. MANUAL DIMMERS TIME-OUT FROM 1 TO 20 MINUTES, AND LED MOVEMENT INDICATOR PILOT. F. FURNAS CO. SENSOR TO BE MOUNTED IN A SINGLE-GANG WALL BOX AT SAME ELEVATION MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE AS STANDARD WALL SWITCHES. 2. TEMPERATURE RATINGS: ALL CONDUCTOR TERMINALS AND EQUIPMENT ENCLOSURES PRODUCTS BY ONE OF THE FOLLOWING: H.1.1. WATT STOPPER #PW-100 SINGLE REALY (OR #PW-200 DUAL RELAY). TO BE U.L. LISTED FOR USE WITH MINIMUM 75C RATED CONDUCTORS. A. WIRING DEVICES & ACCESSORIES: H.2. CEILING MOUNTED OCCUPANCY SENSOR TO BE DUAL TECHNOLOGY WITH A.1. COPPER WIRING DEVICES ULTRASONIC & PASSIVE INFRARED TYPE SENSORS. SENSORS TO HAVE A.2. CROUSE-HINDS CO. TWO-WAY OR ONE-WAY DISTRIBUTION DEPENDING ON MOUNTING LOCATION A. PROVIDE CIRCUIT AND MOTOR DISCONNECT SWITCHES OF TYPES, SIZES AND A.3. HUBBELL INC. CAPABLE OF ADJUSTING THE SENSITIVITY AND LENGTH OF OPERATION BASED ELECTRICAL CHARACTERISTICS INDICATED ON DRAWING. FUSIBLE OR NON-FUSED A.4. LEVITON ON PAST ACTIVITY LEVEL OF THE AREA'S OCCUPANTS. CUSTOM TYPE. RATED 250 OR 600 VOLTS, 60 HZ, 2- OR 3-POLES, SOLID NEUTRAL; A.5. PASS AND SEYMOUR INC. PERFORMANCE CONTROLS TO BE LOCATED BEHIND THE SENSOR LENS FOR AND INCORPORATING QUICK-MAKE, QUICK-BREAK TYPE SWITCHES; CONSTRUCT SO FIELD MODIFICATION OF SENSOR DESIGN. UNIT TO BE MOUNTED TO RECESSED THAT SWITCH BLADES ARE VISIBLE IN OFF POSITION WITH DOOR OPEN. SWITCH B. FLOOR BOXES: B.1. AMERICAN ELECTRIC, STEEL CITY SHALL HAVE A DUAL COVER INTERLOCK TO PREVENT UNAUTHORIZED OPENING OF H.2.1. WATT STOPPER #DT-355, 800W @ 120V (1200W @ 277V) B.2. WALKER / WIREMOLD COMPANY THE SWITCH DOOR WHEN HANDLE IS IN THE "ON" POSITION, AND TO PREVENT B.3. RACO, INC., HUBBELL INC. CLOSING OF THE SWITCH MECHANISM WITH THE DOOR OPEN. EQUIP WITH I. MANUAL DIMMERS: B.4. RACEWAY COMPONENTS, INC. OPERATING HANDLE WHICH IS INTEGRAL PART OF ENCLOSURE BASE AND WHOSE I.1. PROVIDE AND INSTALL AC DIMMER CONTROLS FOR LIGHTING FIXTURES; POSITION IS EASILY RECOGNIZABLE, AND IS PADLOCKABLE IN OFF POSITION; WATTAGE AS INDICATED BELOW, 120 VOLT, 60 HERTZ, WITH PRESET SLIDE CONSTRUCT CURRENT CARRYING PARTS OF HIGH-CONDUCTIVITY COPPER. WITH C. DIMMERS: CONTROLS AND PUSHBUTTON FOR ON/OFF CONTROLS, SINGLE-POLE.: C.1. HUBBELL INC. SILVER-TUNGSTEN TYPE SWITCH CONTACTS, AND POSITIVE PRESSURE TYPE I.1.1. ID1 = 1000 WATTS, LEVITON #IPI10-1LX (120/277V INCANDESCENT) C.5. LEVITON LIGHTING CONTROLS REINFORCED FUSE CLIPS. PROVIDE SWITCH IN NEMA 1 OR NEMA TYPE 3F I.1.2. D1 = 1200/1500 VA, LEVITON #IP710-LFZ (120/277V LED) ENCLOSURE AS INDICATED OR REQUIRED. INSTALL ENGRAVED PLASTIC PLATE AS C.6. LUTRON LIGHTING I.1.3. LD2 = 400 VA, LEVITON #IPE04-1LX (ELECTRONIC LOW VOLTAGE) TO WHAT EACH SWITCH CONTROLS. D. OCCUPANCY SENSOR LIGHTING CONTROL: I.1.4. LD3 = 1000 VA, LEVITON #IPM10-1LX (MAGNETIC LOW VOLTAGE) B. EQUIPMENT REQUIRING A DISCONNECTING MEANS, RATED FOR 120 OR 208 VOLT D.1. HUBBELL INC. I.1.5. FD1 = 1200/1500 VA, LEVITON #IP710-DLX (120/277V FLUORESCENT D.2. LEVITON MANUFACTURING INC. SINGLE PHASE, UP TO 30 AMPERES MAY BE PROVIDED WITH A SNAP-SWITCH TYPE TOGGLE DEVICE AT THE EQUIPMENT. THE DEVICE IS TO HAVE AN AMPERE D.3. WATT STOPPER INC. I.1.6. FD2 = 1000 VA, LEVITON #IPX10-10 (120V FLUORESCENT LINE VOLTAGE) AND VOLTAGE RATING EQUAL TO OR GREATER THAN THE BRANCH CIRCUIT D.4. SENSOR SWITCH I.1.7. FD3 = 1200 VA, LEVITON #IPX12-70 (277V FLUORESCENT LINE VOLTAGE) FEEDING THE EQUIPMENT. IF EQUIPMENT IS MOTOR RELATED, THEN THE SWITCH D.5. GREENGATE MUST BE HORSEPOWER RATED. REFER TO <u>SECTION</u> <u>16140</u> FOR MINIMUM SPECIFICATIONS FOR TOGGLE SWITCHES. SWITCHES LOCATED OUTDOORS OR IN WIRING DEVICES: 4. INSTALLATION OF WIRING DEVICES AND ACCESSORIES: A. PROVIDE WIRING DEVICES, IN TYPES, CHARACTERISTICS, GRADES, COLORS, AND COOLER/FREEZER APPLICATIONS ARE TO BE MOUNTED IN A DIE-CAST ALUMINUM ELECTRICAL RATINGS FOR APPLICATIONS INDICATED WHICH ARE UL LISTED AND DEVICE BOX WITH GASKETED WEATHERPROOF COVER PLATE. A. GROUPS OF SWITCHES OR SWITCH AND OUTLET COMBINATIONS SHALL BE WHICH COMPLY WITH NEMA WD 1 AND OTHER APPLICABLE UL AND NEMA MOUNTED UNDER ONE COVER PLATE. COVER PLATES SHALL FIT THE DEVICES STANDARDS. ALL DEVICES TO BE SPECIFICATION GRADE (HEAVY DUTY U.L. 4. RELAYS AND CONTACTORS: SECURELY AND SHALL COVER THE WALL OPENING COMPLETELY TO PROVIDE A GRADE), WITH GREEN HEXAGONAL EQUIPMENT GROUND SCREW, METAL PLASTER NEAT AND FINISHED APPEARANCE FLUSH WITH SURROUNDING SURFACES. A. GENERAL POWER PURPOSE RELAYS, FOR CONTROL OF MISCELLANEOUS MOTORS. EARS AND SIDE TERMINAL SCREWS FOR BACK AND SIDE WIRING. TO BE PROVIDED AND INSTALLED WITH NUMBER OF POLES AND COIL VOLTAGE AS B. TERMINALS ON ALL WIRING DEVICES SHALL NOT BE USED TO FEED-THROUGH TO SHOWN ON DRAWINGS. RELAY TO BE HORSEPOWER RATED FOR THE MOTOR B. ALL WIRING DEVICES ARE TO BE PROVIDED BY THE SAME MANUFACTURER UNLESS THE NEXT DEVICES. NOTED OTHERWISE. LOAD TO WHICH IT CONTROLS. RELAY TO BE MOUNTED IN A NEMA TYPE 1 C. INSTALL WALL-MOUNTED RECEPTACLES WITH GROUND SLOT UP. C. ALL WIRING DEVICES AND COVERPLATES SHALL BE: B. LIGHTING CONTACTORS TO BE PROVIDED AND INSTALLED WITH THE NUMBER OF C.1. WHITE D. RECEPTACLE MOUNTED ABOVE COUNTER-TOP TO BE INSTALLED HORIZONTAL. WITH POLES, COIL VOLTAGE, AND LOAD CONTACT RATINGS AS SHOWN ON DRAWINGS. C.2. WHITE - WHERE INSTALLED IN WHITE CEILINGS. LONG DIMENSION PARALLEL TO FLOOR AND COUNTER-TOP. CONTACTORS TO BE PROVIDED WITH SILVER ALLOY DOUBLE BREAK CONTACTS C.3. BLACK - WHERE INSTALLED IN DARK CEILINGS. RATED FOR TUNGSTEN AND BALLAST LIGHTING LOADS. CONTACTS TO BE C.4. ORANGE - WHERE SUPPLYING A UPS CIRCUIT. (DEVICE ONLY, COVERPLATE CONVERTIBLE WITH NORMALLY OPEN AND NORMALLY CLOSED INDICATORS. RELAY SHALL BE AS ABOVE). TO BE MOUNTED IN A NEMA TYPE 1 ENCLOSURE. SECTION 16180 - FUSES MANUFACTURER: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS 6. INSTALLATION OF DISCONNECTS AND STARTERS: D.1. DUPLEX RECEPTACLE, 15 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING OF ONE OF THE FOLLOWING (FOR EACH TYPE AND RATING OF OVERCURRENT TYPE WITH NEMA CONFIGURATION 5-15R, MEETS FEDERAL SPEC. WC-596-F. PROTECTIVE DEVICE): A. SURFACE MOUNT ON WALLS OR COLUMNS APPROXIMATELY 5'-0" TO CENTERLINE ABOVE THE FLOOR WHERE POSSIBLE. A. BUSSMANN DIV; MCGRAW_EDISON CO. D.2. SINGLE RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING TYPE B. FERRAZ SHAWMUT, INC. B. DISCONNECT SWITCHES MOUNTED ON ROOFTOP AIR CONDITIONING UNITS TO BE WITH NEMA CONFIGURATION 5-20R, MEETS FEDERAL SPEC. WC-596-F. C. LITTELFUSE, INC. CAULKED BETWEEN SWITCH AND UNIT TO PROVIDE WEATHERPROOF SEAL. LEVITON #5351. ELECTRICAL CONTRACTOR TO VERIFY EXACT MOUNTING LOCATION ON UNIT SO AS 2. EXCEPT AS OTHERWISE INDICATED, PROVIDE FUSES OF TYPES, SIZES, RATINGS, AND NOT TO COVER UP ANY REMOVABLE PANELS. D.3. DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING AVERAGE TIME/CURRENT AND PEAK LET—THROUGH CURRENT CHARACTERISTICS TYPE WITH NEMA CONFIGURATION 5-20R, MEETS FEDERAL SPEC. WC-596-F. C. WHEN RELAYS OR CONTACTORS ARE INDICATED TO BE LOCATED ABOVE THE INDICATED, WHICH COMPLY WITH MANUFACTURER'S STANDARD DESIGN, MATERIALS, LEVITON #5352.

AND CONSTRUCTION IN ACCORDANCE WITH PUBLISHED PRODUCT INFORMATION, AND WITH INDUSTRY STANDARDS AND CONFIGURATIONS. ALL FUSES TO BE FOR USE WITH FUSE REJECTION CLIPS.

3. ALL FUSES FOR THIS PROJECT SHALL BE OF THE SAME MANUFACTURER TO INSURE SELECTIVE COORDINATION.

4. EXCEPT WHERE NOTED OTHERWISE, THREE (3) SPARE FUSES OF EACH SIZE INSTALLED SHALL BE PROVIDED TO THE OWNER.

5. INSTALL FUSES WITH MANUFACTURER'S NAMETAG FACING OUTWARD.

D.4. GROUND FAULT INTERRUPTER RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE,

#G5362-WT*.

3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R. UL943 APPROVED, SELF-TESTING, SOLID STATE GROUND FAULT SENSING LEVEL WITH

5 MILLIAMPERES GROUND FAULT TRIP LEVEL. LED INDICATOR LIGHT WITH

TEST/RESET BUTTONS THAT MATCH THE COLOR OF THE FACE. LEVITON

D.5. USB RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R, (2) VERTICAL USB PORTS WITH 3.6A CHARGING

D.5.1. WHERE SHOWN AS A QUAD RECEPTACLE ON PLANS, PROVIDE (2) USB

D.6. WEATHERPROOF RECEPTACLE SHALL BE A GROUND-FAULT INTERRUPTER WITH

3-WIRE, FACE WITH ORANGE TRIANGLE, GROUND SCREW ISOLATED FROM

MOUNTING YOKE, NEMA CONFIGURATION 5-20RIG. LEVITON #5362-IG.

D.9. HEAVY DUTY RECEPTACLES SHALL BE OF THE SAME MANUFACTURER AS THE

CONVENIENCE OUTLETS AND HAVE THE RATINGS AND CHARACTERISTICS

EARS, SIDE-WIRED SCREW TERMINALS, MEETS FEDERAL SPEC WS-896.

E.1.1. DOUBLE-POLE, 3-WAY, AND 4-WAY SWITCHES SHALL BE OF THE SAME

YOKE INSULATED FROM MECHANISM, EQUIPPED WITH PLASTER EARS,

E.2.1. DOUBLE-POLE, 3-WAY, AND 4-WAY SWITCHES SHALL BE OF THE SAME

E.3. WHEN A LIGHTED HANDLE IS INDICATED WITH SWITCHING DEVICE, PROVIDE

120/277 VOLT. <u>GLOWS WHEN SWITCH IS "ON"</u>. PASS & SEYMOUR

F.1. <u>TYPE 'A'</u>: HUBBELL #B-2436, RECTANGULAR SINGLE-GANG, WATERTIGHT BOX

SHALL BE COMPLETE WITH ONE 20 AMP, 125 VOLT DUPLEX BROWN

ADJUSTABLE, WATERTIGHT BOX WITH ONE S-3825 DUPLEX FLAP COVER

TELEPHONE/COMPUTER CABLES. BOX COVER PLATES SHALL BE BRASS. COVER TO BE PROVIDED WITH BRASS CARPET FLANGE FOR FLUSH

G. WALL PLATES: SINGLE AND COMBINATION, OF TYPES, SIZES, AND WITH GANGING AND CUTOUTS AS INDICATED. PROVIDE PLATES WHICH MATE WITH WIRING DEVICES TO WHICH ATTACHED. PROVIDE METAL SCREWS FOR SECURING PLATES TO DEVICES WITH SCREW HEADS TO MATCH FINISH OF PLATES. PROVIDE WALL PLATES WITH ENGRAVED LEGEND WHERE INDICATED. CONFORM TO REQUIREMENTS

COMPLETE WITH ONE 20 AMP, 125 VOLT DUPLEX BROWN RECEPTACLE AS SPECIFIED UNDER "RECEPTACLES". ALSO PROVIDE ONE #S-2625 COVER

F.2. TYPE 'B': HUBBELL #B-4233, RECTANGULAR DOUBLE-GANG, FULLY

PLATE WITH ONE #S-3067 SPLIT NOZZLE FOR PROTECTION OF

F.3. TYPE 'C': HUBBELL #B-2436, RECTANGULAR SINGLE-GANG BOX, BRASS PLATE #S2425 WITH 3/4 PLUG OPENING FOR CONNECTION OF FLEXIBLE CONDUÏT FROM EQUIPMENT. COVER TO BE PROVIDED WITH BRASS CARPET FLANGE FOR FLUSH INSTALLATION IN LINOLEUM, WOOD OR CARPET FLOORS.

INSTALLATION IN LINOLEUM, WOOD OR CARPET FLOORS.

RECEPTACLE AS SPECIFIED UNDER "RECEPTACLES".

WITH ONE S-3825 DUPLEX FLAP COVER. BOX COVER PLATE SHALL BE BRASS. COVER TO BE PROVIDED WITH BRASS CARPET FLANGE FOR FLUSH

E.2. KEY TYPE SWITCH, 20 AMP, 120/277 VOLT AC SINGLE-POLE, WITH MOUNTING

SIDE-WIRED SCREW TERMINALS, POLISHED METAL TOP AND PROVIDE WITH

SWITCH DEVICE WITH 1/25 WATT NEON PILOT INTEGRAL WITH TOGGLE HANDLE,

RATED 120/277 VOLT. GLOWS WHEN SWITCH IS "OFF". PASS & SEYMOUR

GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R, PERMANENTLY LABELED

CONTROLLED RECEPTACLE AND (1) DUPLEX RECEPTACLE AS SPECIFIED

WITH MOUNTING YOKE INSULATED FROM MECHANISM, EQUIPPED WITH PLASTER

WITH CONTROLLED SYMBOL, MEETS FEDERAL SPEC. WC-596-F. LEVITON

D.8. CONTROLLED DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE,

D.8.1. WHERE SHOWN AS A QUAD RECEPTACLE ON PLANS, PROVIDE (1)

(VOLTAGE, AMPS, POLES, WIRES) AS SHOWN ON DRAWINGS.

MAKE AS FOR SINGLE-POLE.

ONE STEEL KEY. LEVITON #1121-2L.

MAKE AS FOR SINGLE-POLE.

#20AC1-CSL.

#20AC1-RPL.

F. FLOOR RECEPTACLES:

LOCATE BOX VERTICAL IN WALL. PLATE TO BE LISTED AND LABELED

D.7. ISOLATED GROUND DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE,

THOMAS & BETTS #CKSUV DIF-CAST ALUMINUM "SMALL" COVER PLATE.

RECEPTACLES AS SPECIFIED ABOVE.

"SUITABLE FOR WET LOCATIONS WHILE IN USE.

CAPACITY (MINIMUM), MEETS FEDERAL SPEC. WC-596-F. LEVITON #T5832

6. SERVICE ENTRANCE AND FEEDER CIRCUITS 601 AMPERES AND LARGER. FUSES AMPERES R.M.S. SYMMETRICAL INTERRUPTING RATING.

7. FEEDER CIRCUITS, EXCEPT MOTOR CIRCUITS, 600 AMPERES AND SMALLER SHALL BE PLUG-IN CARTRIDGE U.L. CLASS RK-1, CURRENT-LIMITING WITH 200,000 AMPERES R.M.S. SYMMETRICAL INTERRUPTING RATING.

8. MOTOR, TRANSFORMERS, AND INDUCTIVE TYPE CIRCUITS 600 AMPERES AND SMALLER SHALL BE PLUG-IN CARTRIDGE U.L. CLASS RK-5 DUAL-ELEMENT WITH TIME DELAY. THEY SHALL ALSO HAVE CURRENT-LIMITING LINKS AND 200,000 AMPERES INTERRUPTING RATING. FUSE REDUCERS SHALL BE USED WHERE SWITCH FUSE CLIPS ARE SPACED LARGER THAN FUSE SIZE SHOWN ON DRAWING.

9. PLUG FUSES FOR INDIVIDUAL MOTOR PROTECTION SHALL BE BUSSMANN FUSTAT, DUAL-ELEMENT, 10,000 AMPERES R.M.S. SYMMETRICAL INTERRUPTING RATING, TYPE "S" WITH FUSTAT ADAPTER SIZED FOR PLUG-FUSE INSTALLED. SIZE OF FUSE TO BE ACCORDING TO SPECIFICATIONS FOR "DISCONNECT SWITCHES".

SECTION 16190 - SUPPORTING DEVICES 1. THIS SECTION INCLUDES SECURE SUPPORT FROM THE BUILDING STRUCTURE FOR ELECTRICAL ITEMS BY MEANS OF HANGERS, SUPPORTS, ANCHORS, SLEEVES, INSERTS, SEALS, AND ASSOCIATED FASTENINGS.

E.1. TOGGLE TYPE SWITCH, 20 AMP, 120/277 VOLT AC SINGLE-POLE, QUITE TYPE, 2. COATING: SUPPORTS, SUPPORT HARDWARE, AND FASTENERS SHALL BE PROTECTED WITH ZINC COATING OR WITH TREATMENT OF EQUIVALENT CORROSION RESISTANCE USING APPROVED ALTERNATIVE TREATMENT, FINISH, OR INHERENT MATERIAL CHARACTERISTIC. PRODUCTS FOR USE OUTDOORS SHALL BE HOT-DIP GALVANIZED.

> 3. INSTALL SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

4. SUPPORT INDIVIDUAL HORIZONTAL RACEWAYS BY SEPARATE PIPE HANGERS. SPRING STEEL FASTENERS MAY BE USED IN LIEU OF HANGERS ONLY FOR 3/4-INCH AND SMALLER RACEWAYS SERVING LIGHTING AND RECEPTACLE BRANCH CIRCUITS ABOVE SUSPENDED CEILINGS ONLY. FOR HANGER RODS WITH SPRING STEEL FASTENERS, USE 1/4-INCH-DIAMETER OR LARGER THREADED STEEL. USE SPRING STEEL FASTENERS THAT ARE SPECIFICALLY DESIGNED FOR SUPPORTING SINGLE CONDUITS OR TUBING. CONDUITS ABOVE LAY-IN CEILING SYSTEM SHALL NOT BE SUPPORTED FROM CEILING SUSPENSION WIRES.

5. INSTALL INDIVIDUAL AND MULTIPLE (TRAPEZE) RACEWAY HANGERS AND RISER CLAMPS AS NECESSARY TO SUPPORT RACEWAYS. PROVIDE U-BOLTS, CLAMPS, ATTACHMENTS AND OTHER HARDWARE NECESSARY FOR HANGER ASSEMBLY AND FOR SECURING E.4. WHEN A PILOT LIGHT IS INDICATED WITH SWITCHING DEVICE, PROVIDE SWITCH HANGER RODS AND CONDUITS. DEVICE WITH 1/25 WATT NEON PILOT INTEGRAL WITH TOGGLE HANDLE, RATED

6. SUPPORT PARALLEL RUNS OF HORIZONTAL RACEWAYS TOGETHER ON TRAPEZE-TYPE HANGERS

7. DO NOT CUT HOLES IN REINFORCED CONCRETE BEAMS OR CUT REINFORCING BARS

8. UNLESS OTHERWISE INDICATED, FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTING INSTALLATION IN LINOLEUM, WOOD OR CARPET FLOORS. EACH FLOOR OUTLET CONDUITS, RACEWAYS, CABLES, CABLE TRAYS, BUSWAYS, CABINETS, PANELBOARDS, TRANSFORMERS, BOXES, DISCONNECT SWITCHES, AND CONTROL COMPONENTS.

IN CONCRETE WITH OUT WRITTEN APPROVAL OF STRUCTURAL ENGINEER. HARDWARE SECURELY TO THE BUILDING STRUCTURE, INCLUDING BUT NOT LIMITED TO

CEILING, THE EQUIPMENT IS TO BE READILY ACCESSIBLE AND SOUND INSULATED FROM THE MOUNTING SUPPORTS.

SECTION 16470 - PANELBOARDS MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PANELBOARD PRODUCTS OF ONE OF THE FOLLOWING (FOR EACH TYPE AND RATING OF PANELBOARD AND ENCLOSURE):

A. GENERAL ELECTRIC COMPANY B. SQUARE D COMPANY C. FATON CORPORATION

D. SIEMEN'S, I.T.E.

2. POWER DISTRIBUTION PANELS: PROVIDE DEAD-FRONT SAFETY-TYPE DISTRIBUTION PANELBOARDS RATED 208/120, 3-PHASE, 4-WIRE. SHORT CIRCUIT RATING OF PANEL AND DEVICES TO BE 22,000 RMS MINIMUM UNLESS NOTED OTHERWISE ON THE DRAWINGS. PANELBOARDS SWITCHING AND PROTECTIVE DEVICES IN SOLDERLESS. PRESSURE—TYPE LINE SIDE CONNECTORS APPROVED FOR COPPER CONDUCTORS.

. 120/208 VOLT LIGHTING AND APPLIANCE PANELBOARDS: PROVIDE DEAD-FRONT SAFETY TYPE LIGHTING AND APPLIANCE PANELBOARDS AS INDICATED, WITH SWITCHING AND PROTECTIVE DEVICES IN QUANTITIES. RATINGS, TYPES AND ARRANGEMENTS SHOWN, WITH ANTI-TURN SOLDERLESS PRESSURE TYPE LUG CONNECTORS. APPROVED FOR USE WITH COPPER CONDUCTORS: CONSTRUCT UNIT FOR CONNECTING FEEDERS TO PANEL; EQUIP WITH COPPER, COPPER PLATED OR ALUMINUM BUS BARS, FULL-SIZED NEUTRAL BAR, WITH BOLT-IN TYPE HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK, SINGLE-POLE CIRCUIT-BREAKERS, WITH TOGGLE HANDLES THAT INDICATE WHEN TRIPPED. PROVIDE SUITABLE LUGS ON NEUTRAL BUS FOR EACH OUTGOING FEEDER REQUIRED; AND PROVIDE BARE UNINSULATED GROUNDING BARS SUITABLE FOR BOLTING TO ENCLOSURES. SELECT ENCLOSURES FABRICATED BY SAME MANUFACTURER AS PANELBOARDS, WHICH MATE AND MATCH PROPERLY WITH PANELBOARDS. MINIMUM INTERRUPTING CAPACITY OF MANUFACTURED PANELBOARDS TO BE 10,000 A.I.C, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

4. MOLDED-CASE CIRCUIT BREAKERS: PROVIDE FACTORY ASSEMBLED, MOLDED CASE CIRCUIT BREAKERS OF FRAME SIZE INDICATED. PROVIDE BREAKERS WITH PERMANENT THERMAL AND INSTANTANEOUS MAGNETIC TRIPS IN EACH POLE AND AMPERE RATING AS INDICATED. CONSTRUCT WITH OVER CENTER, TRIP-FREE, TOGGLE TYPE OPERATING MECHANISMS WITH QUICK-MAKE, QUICK-BREAK ACTION AND POSITIVE HANDLE INDICATION. CONSTRUCT BREAKERS FOR MOUNTING AND OPERATING IN ANY PHYSICAL POSITION AND OPERATING IN AN AMBIENT TEMPERATURE OF 40C. PROVIDE BREAKERS WITH MECHANICAL SCREW TYPE REMOVABLE CONNECTOR LUGS, AL/CU RATED. ALL BREAKERS TO BE BOLT-IN TYPE CONSTRUCTION. ALL BREAKERS TO BE UL489 LISTED.

A. ALL SINGLE POLE BREAKERS TO BE RATED FOR "SWITCHING DUTY" (SWD) AND FOR OPERATION ON FLUORESCENT LIGHTING SOURCES.

B. ALL CIRCUIT BREAKERS PROTECTING HIGH INTENSITY DISCHARGE (HID) LIGHTING TO BE RATED AND LABELED "HID" FOR OPERATION ON H.I.D. LIGHTING SOURCES

C. CIRCUIT BREAKERS USED ON HEATING, AIR CONDITIONING, OR REFRIGERATION EQUIPMENT SHALL BE TYPE "HACR" AND U.L. LISTED FOR SUCH USE.

. PANELBOARD MANUFACTURER TO PROVIDE A COMPLETE "ARC FLASH STUDY". ALL SUBMITTALS WILL BE REJECTED UNLESS THIS STUDY IS PROVIDED AT THE TIME OF SHOP DRAWING REVIEW.

REVISIONS No. Date Description 8/01/2023 RESPONSE TO CITY HEALTH COMMENTS 2 9/04/2023 3 9/12/2023 RESPONSE TO CITY

Description

ISSUE TABLE

Date

DRAWINGS REVISED AS PER DESIGN BULLETIN		
No.	Date	Description



PROJECT NORTH

9.13.2023

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THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIAN KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK, THESE DRAWINGS POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".



Company Logo





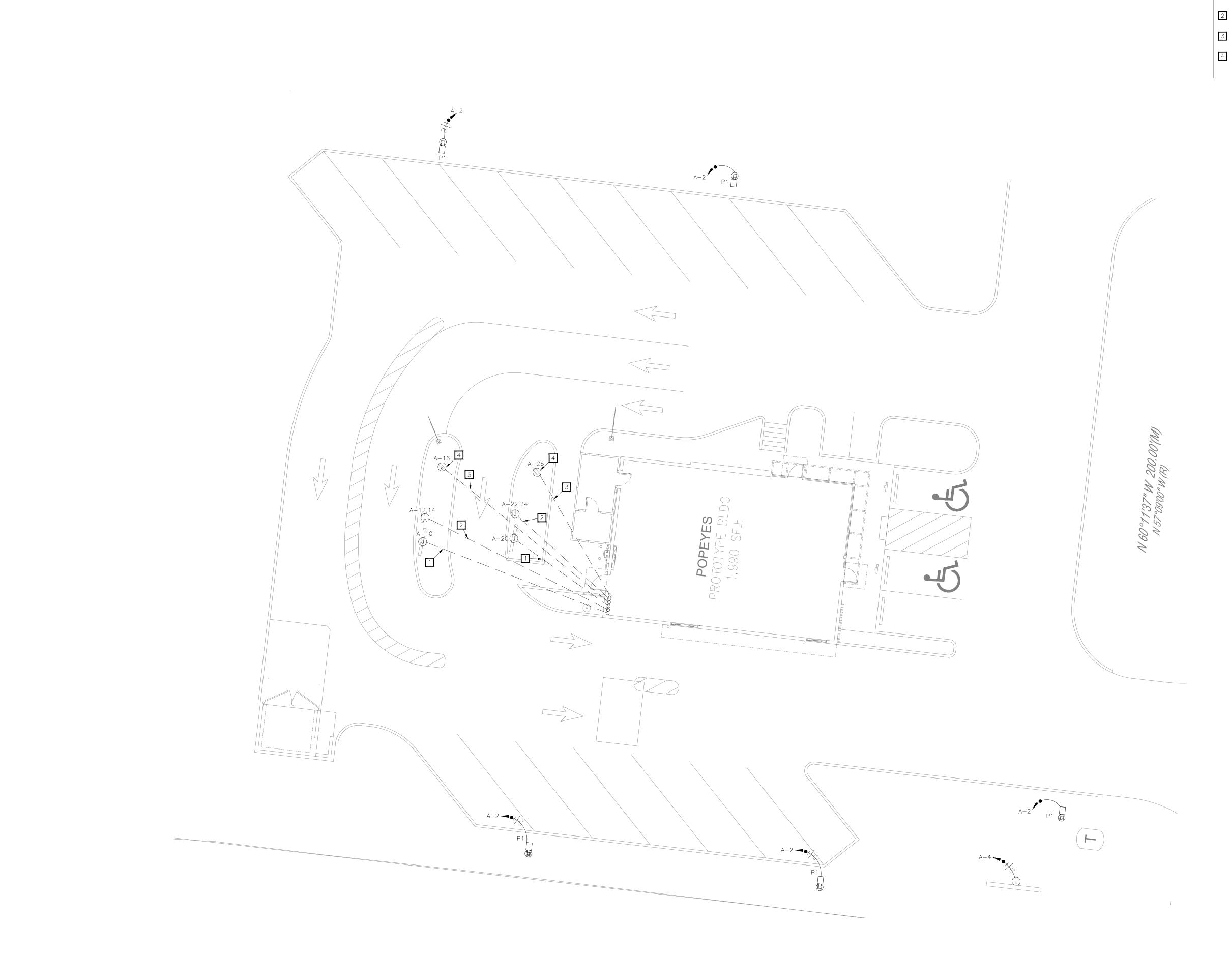
US 2112 PROTOTYPE

2112-21

1517 NC 24-87 CAMERON, NC

ELECTRICAL SPECIFICATIONS

Drawn	Checked
DW	АН
Scale	Date
	JUNE 2023
Project No.	Drawing No.
C22-129	ES.2



ELECTRICAL KEYNOTES

- PROVIDE (1) 3/4" PVC CONDUIT FOR POWER AND (1) 1/2" PVC CONDUIT FOR DATA TO OUTDOOR MENUBOARD.
- PROVIDE (1) 3/4" PVC CONDUIT FOR POWER AND (1) 1/2" PVC CONDUIT FOR DATA TO ORDER PEDESTAL AND DETECTOR LOOP.
- 3 PROVIDE (1) 3/4" PVC CONDUIT FOR POWER AND (1) 1/ 2" PVC CONDUIT FOR DATA TO PRE ORDER MENUBOARD.
- PROVIDE POWER TO INDEPENDENT STANDING DRIVE THRU LIGHT POSTS.

 CONFIRM CONNECTION WITH LIGHT POST MANUFACTURER (ENTERA BRANDING)

		ISSUE TABLE			
		No.	Date (mm/dd/yy)	Description	

DEVICIONS

REVISIONS		
No.	Date	Description
1	8/01/2023	RESPONSE TO CITY
2	9/04/2023	HEALTH COMMENTS
3	9/12/2023	RESPONSE TO CITY

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description



PROJECT NORTH

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9.13.2023

Company Logo





US 2112 PROTOTYPE 2112-21

> 1517 NC 24-87 CAMERON, NC

ELECTRICAL SITE PLAN

		2
Drawn	Checked	<u>{</u>
JP	AH	Ē
Scale	Date	-
3/32"=1'-0"	JUNE 2023	VII/
Project No.	Drawing No.	Ú
C22-129	ES1.0	

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Popeye'S Address: 1517 NC 24-87 , Cameron, NC Owner/Authorized Agent: Alec Ashley Phone # (917) 280 - 2181
Owner/Authorized Agent: Alec Ashley Phone # (917) 280 - 2181
Owned By:
CONTACT: DESIGNER FIRM NAME LICENSE# TELEPHONE# E-MAIL Architectural The Dimension Group Tanner Edwards Kinde 15704 (720)244.5592 tkinde@dimensiongroup.cor Civil Ceso NC. Co Jeffrey E. Tibbitts 029683 (937)435.8584 teyber@cesoinc.com Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cor Fire Alarm
CONTACT: DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Architectural The Dimension Group Tanner Edwards Kinde 15704 (720)244.5592 tkinde@dimensiongroup.cor Civil Ceso NC. Co Jeffrey E. Tibbitts 029683 (937)435.8584 teyber@cesoinc.com Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cor Fire Alarm () Plumbing The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cor Mechanical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cor Sprinkler-Standpipe () Structural Lalonde Engineering Inc. Philippe Lalonde 030371 (817).307.8266 plalonde@lalonde-eng.com Retaining Walls >5' High () Other () ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.) 2018 NC BUILDING CODE: X New Building Addition Renovation Ist Time Interior Completion Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements 2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14 Alteration: Level II Level III Level III
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Architectural The Dimension Group Tanner Edwards Kinde 15704 (720)244.5592 tkinde@dimensiongroup.cor Civil Ceso NC. Co Jeffrey E. Tibbitts 029683 (937)435.8584 teyber@cesoinc.com Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.co Fire Alarm
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Architectural The Dimension Group Tanner Edwards Kinde 15704 (720)244.5592 tkinde@dimensiongroup.cor Civil Ceso NC. Co Jeffrey E. Tibbitts 029683 (937)435.8584 teyber@cesoinc.com Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.co Fire Alarm
Architectural The Dimension Group Tanner Edwards Kinde 15704 (720)244,5592 tkinde@dimensiongroup.com Civil Ceso NC. Co Jeffrey E. Tibbitts 029683 (937)435.8584 teyber@cesoinc.com Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.com Fire Alarm
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Electrical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cc Fire Alarm
Fire Alarm Plumbing The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cc Mechanical The Dimension Group Asfar Hasan 41082 (214)801.6137 ahasan@dimensiongroup.cc Sprinkler-Standpipe
Plumbing The Dimension Group
Mechanical The Dimension Group
Sprinkler-Standpipe
Retaining Walls >5' High
Other ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.) 2018 NC BUILDING CODE: New Building
("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.) 2018 NC BUILDING CODE: New Building Addition Renovation 1st Time Interior Completion Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements 2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14 Alteration: Level II Level III
2018 NC BUILDING CODE: X New Building Addition Renovation 1st Time Interior Completion Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements 2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14 Alteration: Level II Level III Level III
□ 1 st Time Interior Completion □ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements □ Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements 2018 NC EXISTING BUILDING CODE: EXISTING: □ Prescriptive □ Repair □ Chapter 14 Alteration: □ Level II □ Level III □ Level III
CONSTRUCTED: (date)/A
Proposed: I I III IV
BASIC BUILDING DATA Construction Type: I-A II-A III-A IV V-A (check all that apply) I-B II-B III-B X V-B Sprinklers: X No Partial Yes NFPA 13 NFPA 13R NFPA 13D Standpipes: X No Yes Class I III Wet Dry
Fire District: X No Yes Flood Hazard Area: X No Yes
Special Inspections Required: X No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL 3rd Floor N/A N/A N/A 2nd Floor N/A N/A N/A N/A N/A N/A Mezzanine 1st Floor N/A 1,965 1,965 N/A N/A N/A Basement TOTAL 1,965

ALLOWABLE AREA

TIDEO WITBEL TIME
Primary Occupancy Classification(s):
Assembly \square A-1 \square A-2 \square A-3 \square A-4 \square A-5
Business X
Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional I-1 Condition I I 2
\square I-2 Condition \square 1 \square 2
\square I-3 Condition \square 1 \square 2 \square 3 \square 4 \square 5
☐ I-4
Mercantile
Residential \square R-1 \square R-2 \square R-3 \square R-4
Storage S-1 Moderate S-2 Low High-piled
Parking Garage Open Enclosed Repair Garage
Utility and Miscellaneous
Accessory Occupancy Classification(s): N/A
Incidental Uses (Table 509): N/A
Special Uses (Chapter 4 – List Code Sections): N/A
Special Provisions: (Chapter 5 – List Code Sections): N/A
Mixed Occupancy: No X Yes Separation: Hr. Exception: Hr.
Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
<u>0.057</u> + <u>0.180</u> + = <u>0.237</u> ≤1.00

STORY	DESCRIPTION AND	(A)	(B)	(C)	(D)
NO.	USE	BLDG AREA PER	TABLE 506.2^4	AREA FOR FRONTAGE	ALLOWABLE AREA PER
		STORY (ACTUAL)	AREA	INCREASE ^{1,5}	STORY OR UNLIMITED ^{2,3}
1	DINING,KITCHEN, UNOCCUPIED AREAS	1,965	6,000	n/a	n/a

¹ Frontage area increases from Section 506.3 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = $\frac{147'}{}$ (F)
- b. Total Building Perimeter = 192' (P)
- c. Ratio (F/P) = 0.76 (F/P)
- d. W = Minimum width of public way = 21 (W)
- e. Percent of frontage increase $I_f = 100[F/P 0.25] \times W/30 = _35$ (%)
- ² Unlimited area applicable under conditions of Section 507.
- ³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
- ⁴ The maximum area of open parking garages must comply with Table 406.5.4.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²	40	19	
Building Height in Stories (Table 504.4) ³	1	1	

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION	RATING REQ'D PROVIDED		DETAIL# AND	DESIGN# FOR	SHEET # FOR RATED	SHEET # FOR
	DISTANCE (FEET)	,	(W/* REDUCTION)	SHEET #	RATED ASSEMBLY	PENETRATION	RATED JOINTS
Structural Frame,							
including columns, girders, trusses							
Bearing Walls							
Exterior				A1 1/A6.1,			
North	170	0	N/A	A1 1/A6.2,	N/A	N/A	N/A
East	205	0	N/A	A1 1/A6.3	N/A	N/A	N/A
West	84	0	N/A	A1 2/A6.0	N/A	N/A	N/A
South	123	0	N/A	A1 1/A6.0	N/A	N/A	N/A
Interior							
Nonbearing Walls and Partitions							
Exterior walls						21/2	
North		N/A	N/A		N/A	N/A	N/A
East		N/A	N/A		N/A	N/A	N/A
West		N/A	N/A		N/A	N/A	N/A
South		N/A	N/A		N/A	N/A	N/A
Interior walls and partitions				A1			
Floor Construction							
Including supporting beams		N/A		7/S1.2,			
and joists				S1.1			
Floor Ceiling Assembly		N/A	N1/A		A 1 / A	A 1 / A	A 1 / A
Columns Supporting Floors		N/A	N/A		N/A	N/A	N/A
Roof Construction, including supporting beams and joists		0	N/A	S2.1,S2.2	N/A	N/A	N/A
Roof Ceiling Assembly		0	N/A	S2.1,S2.2	N/A	N/A	N/A
Columns Supporting Roof		0	N/A	S2.1,S2.2	N/A	N/A	N/A
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation		N/A					
Occupancy/Fire Barrier Separat	ion	N/A					
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		N/A					

st Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	Degree of openings Protection (Table 705.8)	Allowable area (%)	ACTUAL SHOWN ON PLANS (%)	
158', 71', 180', 59'	UP, NS	NO LIMIT	N/A	

Exi Fire Smo	LIFE SAFETY SYSTEM REQUIREMENTS Igency Lighting: No X Yes Signs: No X Yes Alarm: No X Yes Partial On Monoxide Detection: No Yes	
	LIFE SAFETY PLAN REQUIREMENTS	
Life S	fety Plan Sheet #: AS2.4	
X	Fire and/or smoke rated wall locations (Chapter 7)	
	Assumed and real property line locations (if not on the site plan)	
n/a	Exterior wall opening area with respect to distance to assumed property lines (705.8)	
X	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)	
X	Occupant loads for each area	
$\overline{\sqcap}$	Exit sign locations (1013)	
X	Exit access travel distances (1017)	
X	Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))	
n/a	Dead end lengths (1020.4)	
X	Clear exit widths for each exit door	
X	Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3	3)
X	Actual occupant load for each exit door	ĺ
n/a	A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for	
_	purposes of occupancy separation	
n/a	Location of doors with panic hardware (1010.1.10)	
n/a	Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)	
n/a	Location of doors with electromagnetic egress locks (1010.1.9.9)	
n/a	Location of doors equipped with hold-open devices	
n/a	Location of emergency escape windows (1030)	
n/a	The square footage of each fire area (202)	
n/a	The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)	
X	Note any code exceptions or table notes that may have been utilized regarding the items above	

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

UNIT CLASSIFICATION	TOTAL Units	ACCESSIBLE UNITS REQUIRED	Accessible Units Provided	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE S	PACES PROVIDED	TOTAL # ACCESSIBLE		
	REQUIRED PROVIDED		96" SPACES	132" SPACES	PROVIDED		
YES	11 20		3		23		
TOTAL	11	20	3	0	23		

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		W	ATER CLOS	ETS	URINALS		LAVATORIES		SHOWERS	DRINKING FOUNTAIN	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NEW	1	1	0	0	1	1	0	С	0	0
	REQ'D	1	1	0	0	1	1	0	0	0	0

SPECIAL APPROVALS

DHHS - Food Establishment Permit

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing b	puilding envelope complies with code: No Yes (The remainder of this section is not applicable)
Exempt B	Building: X No Yes (Provide code or statutory reference):
C	Climate Zone: 3A X 4A 5A
N	Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here) Prescriptive
THERMA	AL ENVELOPE (Prescriptive method only)
R	Roof/ceiling Assembly (each assembly) WOOD ROOF DECK, WOOD TRUSS, MAS 60mil WHITE ULTRAPLY TPO MEMBRANE W/(2) Description of assembly: LAYERS OF RIGID INSULATION U-Value of total assembly: 0.03 R-Value of insulation: R-33 MIN Skylights in each assembly: NONE U-Value of skylight: N/A total square footage of skylights in each assembly: 0
Е	Description of assembly: U-Value of total assembly: Openings (windows or doors with glazing) U-Value of assembly: U-Value of assembly: Openings (windows or doors with glazing) U-Value of assembly: Openings (windows or doors with glazing) U-Value of assembly: Openings (windows or doors with glazing) U-Value of assembly: Openings (windows or doors with glazing) U-Value of assembly: Openings (windows or doors with glazing) U-Value of assembly: N/A Openings (windows or doors with glazing) N/A N/A Door R-Values: N/A
V	Walls below grade (each assembly)
	Description of assembly: N/A U-Value of total assembly: N/A R-Value of insulation: N/A
F	Floors over unconditioned space (each assembly)
	Description of assembly: N/A U-Value of total assembly: N/A R-Value of insulation: N/A
F	Floors slab on grade
	Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement: slab heated: 4" CONC SLAB ON GRADE OVER VAPOR RETARDER AND 6" COMPACTED GRAVEL 0.04 R-15 N/A N/A

2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN

 $(PROVIDE\ ON\ THE\ STRUCTURAL\ SHEETS\ IF\ APPLICABLE)$

DESIGN LOADS:

Importance Factors:	$\begin{array}{cccc} \text{Snow} & (I_S) & \underline{\hspace{1cm}} 1 \\ \text{Seismic} & (I_E) & \underline{\hspace{1cm}} 1 \end{array}$
Live Loads:	Roof 25 psf Mezzanine N/A psf Floor 125 psf
Ground Snow Load:	
	imate Wind Speed mph (ASCE-7) cosure Category C
SEISMIC DESIGN CATEGORY	Y: A XB C D
Provide the following Seismic Des Risk Category (Table 16 Spectral Response Accel	04.5) 🗌 I 💢 II 🔲 III 🔲 IV
Site Classification (ASC)	
Data Sou Basic structural system	rce: Field Test Presumptive Historical Data Bearing Wall Dual w/Special Moment Frame Building Frame Dual w/Intermediate R/C or Special Steel Moment Frame Inverted Pendulum
Analysis Procedure:	Simplified Equivalent Lateral Force Dynamic
Architectural, Mechanic	ral, Components anchored? X Yes No
LATERAL DESIGN CONTROL	: Earthquake X Wind X
	of test report) psf acity psf

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 22°F winter dry bulb: _ summer dry bulb: **Interior design conditions** 70°F winter dry bulb: summer dry bulb: <u>75°F</u> relative humidity: __50% **Building heating load:** 240,000 Btuh **Building cooling load:** 250,000 Btuh **Mechanical Spacing Conditioning System** Unitary description of unit: RTU & Dedicated Outdoor Air System heating efficiency: 82% cooling efficiency: (energy `ratio) 12.8 size category of unit: 5t + 15tBoiler Size category. If oversized, state reason.: N/A Chiller Size category. If oversized, state reason.: N/A

Water Heater: 0.84 SL

List equipment efficiencies:

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code ▼ Performance □ P

Method of Compliance: Energy Code ▼ Performance
ASHRAE 90.1 Performance Prescriptive
Lighting schedule (each fixture type)
lamp type required in fixture A, AE, L-1, L-4, LL4, L-9, EX, EM, WP, D, H, H1, P1 number of lamps in fixture 1
ballast type used in the fixture A-LL4:3500K LED, D:5000K LED, H:3000K LED, P1:5000K LED number of ballasts in fixture
total wattage per fixture A/AE: 52W, L-1: 18W, L-9: 30W, LL4: 12W, L-4: 12W, H1: 100W, D: 14W, P1: 165W, H: 38W total interior wattage specified vs. allowed (whole building or space by space) 1656 vs. 4740 total exterior wattage specified vs. allowed 2152 vs. 1723
Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)
X C406.2 More Efficient HVAC Equipment Performance
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Renewable Energy
C406.6 Dedicated Outdoor Air System
C406.7 Reduced Energy Use in Service Water Heating

COMcheck Software Version 4.1.5.5



Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC Project Title: Popeye's

Project Type: New Construction

Construction Site: 1517 NC 24-87 Cameron, NC

Owner/Agent:

Designer/Contractor: The Dimension Group 10755 Sandhill Road Dallas, TX 75238 214 343 9400

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed High Performance HVAC, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Dining: Cafeteria/Fast Food	6000	0.79	4740
		Total Allowed Watts	= 4740

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	(C X D)
1-Dining: Cafeteria/Fast Food				
LED 1: A/AE: 2X4 LED TROFFER: LED Panel 54W:	1	23	52	1196
LED 2: L-1: LED SUSPENDED: LED Linear 20W:	1	11	18	198
LED 3: L-9: LED SUSPENDED: LED Linear 22W:	1	1	30	30
LED 4: LL4: 6" RECESSED LED DOWNLIGHT: LED A Lamp 12W:	1	17	12	196
LED 5: L-4: LED ACCENT LIGHT: LED A Lamp 12W:	1	3	12	36
		Total Propos	ed Watts =	1656

Interior Lighting PASSES: Design 65% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jennifer Pfankuch - MEP Designer
Name - Title

Jennifer Pfankuch
Signature

25 May 2023
Date

Project Title: Popeye's Report date: 05/25/23

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COM*check* **Software Version 4.1.5.5**



Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC Project Title: Popeye's

Project Type: New Construction

Exterior Lighting Zone 4 (High activity metropolitan commercial district (LZ4))

Construction Site: 1517 NC 24-87 Cameron, NC Owner/Agent:

Designer/Contractor: The Dimension Group 10755 Sandhill Road Dallas, TX 75238 214 343 9400

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	57 ft of	0.7	Yes	40
Entry canopy	107 ft2	0.4	Yes	43
Parking area	20546 ft2	0.08	Yes	1644
Illuminated area of facade wall or surface	168 ft2	0.15	No	25
		Total Tradab	ole Watts (a) =	1726
		Total Al	lowed Watts =	2152
	Total All	owed Supplemen	tal Watts (b) =	900

⁽a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (57 ft of walkway length): Tradable Wattage LED 2: H1: LED SCONCE: LED Other Fixture Unit 103W:	1	8	100	800
Drive-up windows/doors (2 windows or doors): Non-tradable Wattage				
Entry canopy (107 ft2): Tradable Wattage LED 3: D: RECESSED DOWNLIGHT: LED A Lamp 13W:	1	7	14	98
Parking area (20546 ft2): Tradable Wattage LED 4: P1: LED POLE LIGHT: LED Roadway-Parking Unit 220W:	1	5	165	825
Illuminated area of facade wall or surface (168 ft2): Non-tradable Wattage LED 5: H: LED GOOSENECK: LED Other Fixture Unit 36W:	1	2	38	76
	Total Trad	dable Propos	sed Watts =	1723

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⁽b) A supplemental allowance equal to 900 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Exterior Lighting PASSES: Design 33% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jennifer Pfankuch - MEP Designer
Name - Title

Jennifer Pfankuch
Signature

25 May 2023
Date

Project Title: Popeye's Report date: 05/25/23

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COMcheck Software Version 4.1.5.5



Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC Project Title: Popeye's

Location: Cameron, North Carolina

Climate Zone: 4a

Project Type: New Construction

Construction Site: 1517 NC 24-87 Cameron, NC Owner/Agent:

Designer/Contractor: The Dimension Group 10755 Sandhill Road Dallas, TX 75238 214 343 9400

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Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed High Performance HVAC, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

1 HVAC System 2 (Single Zone):

Heating: 1 each - Central Furnace, Electric, Capacity = 11 kBtu/h

No minimum efficiency requirement applies

Cooling: 1 each - Hydronic Coil, Capacity = 60 kBtu/h, Air Economizer

No minimum efficiency requirement applies

Fan System: None

I HVAC System 3 (Single Zone):

Heating: 1 each - Central Furnace, Electric, Capacity = 44 kBtu/h

No minimum efficiency requirement applies

Cooling: 1 each - Hydronic Coil, Capacity = 151 kBtu/h, Air Economizer

No minimum efficiency requirement applies

Fan System: None

1 Water Heater 1:

Electric Storage Water Heater, Capacity: 50 gallons w/ Circulation Pump Proposed Efficiency: 0.84 SL, %/h (if > 12 kW), Required Efficiency: 0.84 SL, %/h (if > 12 kW)

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jennifer Pfankuch - MEP Designer

Name - Title

Jennifer Pfankuch

Signature

25 May 2023

Date

Project Title: Popeye's Report date: 05/25/23

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COM*check* Software Version 4.1.5.5 **Inspection Checklist** Energy Code: 2018 IECC

Requirements: 96.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C103.2 [PR3] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
,	protection systems have sensors and	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.1, C404.6.2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.6.3 [PL7] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	\square Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
C403.11.3 [ME61] ²		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.11.3 [ME61] ²		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.8.1 [ME65] ³	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.1 [ME65] ³	conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. See the Mechanical Systems list for values.
C403.8.3 [ME117] ²	67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
[ME117] ²	67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.12.1 [ME71] ²	controlled by an occupancy sensing device or timer switch.	□Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.3 [ME55] ²		□Complies □Does Not □Not Observable □Not Applicable	See the Mechanical Systems list for values.
C403.2.2 [ME59] ¹		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.7.1 [ME59] ¹	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.2 [ME115] ³		□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.6 [ME141] ³	Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.4 [ME57] ¹	and C403.7.4(2).	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.7.5 [ME116] ³	replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
,	accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.3. 1 [ME50] ²	water are not used.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.3. 1 [ME50] ²	common return for hot and chilled water are not used.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.5 [ME26] ³	chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.5 [ME26] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 4 [ME63] ²	with integral heating include automatic controls that shut off the heating system when outdoor air	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.9.5 [ME31] ³	Condenser heat recovery system that can heat water to $85\ ^{\circ}F$ or provide 60% of peak heat rejection is installed	□Complies □Does Not □Not Observable	Requirement will be met.
	for preheating of service hot water.	□Not Observable	
C403.9.5 [ME31] ³	[ME31] ³ can heat water to 85 °F or provide	\square Complies \square Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
1	Air outlets and zone terminal devices have means for air balancing.	□Complies □Does Not	Requirement will be met.
[MES3] ³	[ME53] ³	□Not Observable □Not Applicable	
C408.2.2.	coils have means to balance and have	□Complies □Does Not	Requirement will be met.
[ME54] ³	pressure test connections.	□Not Observable □Not Applicable	
C408.2.2. 2		□Complies □Does Not	Requirement will be met.
[ME54] ³	pressure test connections.	□Not Observable □Not Applicable	
C403.5, C403.5.1,	Refrigerated display cases, walk-in coolers or walk-in freezers served by	□Complies □Does Not	Requirement will be met.
C403.5.2 [ME123] ³	remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2	□Not Observable □Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Popeye's Report date: 05/25/23

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Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID		-	Comments/Assumptions
C405.2.2. 2 [EL22] ¹		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
1,		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID	Rough-in Electrical inspection	-	Comments/Assumptions
	Daylight zones provided with individual controls that control the lights independent of general area	□Complies □Does Not	Exception: Requirement does not apply.
	lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Not Observable □Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	□Complies □Does Not	Requirement will be met.
	ingricing plans.	□Not Observable □Not Applicable	
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the	□Complies □Does Not	Requirement will be met.
	approved lighting plans and is automatically controlled and separated from general lighting.		
C405.2.5 [EL28] ^{null}	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be	□Complies □Does Not	
daylight controlled, set based on business operation time-of-day, or		□Not Observable □Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables	□Complies □Does Not	Requirement will be met.
	C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Not Observable □Not Applicable	
	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C303.3, C408.2.5. 3 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.2 [FI27] ³		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4. 1 [FI47] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 1 [FI47] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 1.3 [FI20] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.2.4. 2 [FI39] ³	controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4. 2.1, C403.2.4. 2.2 [FI40] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.3 [FI11] ³	discharge piping of non-circulating systems.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C404.4 [FI25] ²		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C404.6.1 [FI12] ³	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.1 [FI28] ¹	Commissioning plan developed by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested to ensure proper operation.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.5. 1 [FI7] ³		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.2.5. 1 [FI16] ³	9	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5. 3 [FI43] ¹		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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Section # & Req.ID	# Final Inspection		Comments/Assumptions
C408.2.5.	Final commissioning report due to building owner within 90 days of	\square Complies \square Does Not	Requirement will be met.
[FI30] ¹	receipt of certificate of occupancy.	□Not Observable □Not Applicable	
C408.3 [FI33] ¹	ensure proper calibration, adjustment,		Requirement will be met.
	programming, and operation.	□Not Observable □Not Applicable	

Additional Comments/Assumptions:

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