

2018 BUILDING CODE SUMMARY - APPENDIX B

Name of Project: **JERSEY MIKE'S SUBS TENANT COMPLETION**
 Address: **1624 NC 24-87 HIGHWAY - CAMERON, NORTH CAROLINA** Zip Code: **28326**
 Owner/Authorized Agent: **DANIEL TERRACCIANO** Phone: **(252) 367-1703** E-Mail: **daniel@pagegrace.com**
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City **CAMERON** County State

CONTACT: **ANDREW W. PRIVETTE, AIA**

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE	E-MAIL
Architectural	DESIGNED TO BUILD	ANDY PRIVETTE	3877	910-485-8567	andy@designedtobuild.com
Civil	N/A				
Electrical	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	910-521-7213	coastalplainseng@gmail.com
Fire Alarm	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	910-521-7213	coastalplainseng@gmail.com
Plumbing	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	910-521-7213	coastalplainseng@gmail.com
Mechanical	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	910-521-7213	coastalplainseng@gmail.com
Sprinkler-Standpipe	BY OTHERS				
Structural	N/A				
Retaining Walls >5' High	N/A				
Other	N/A				

2018 NC BUILDING CODE: New Building Shell/Core 1st Time Interior Completions
 Addition Phased Construction-Shell Core

2018 NC EXISTING BUILDING CODE: Prescriptive Alteration Level 1 Historic Property
 Repair Alteration Level 2 Change of Use
 Chapter 14 Alteration Level 3

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (Ch. 3): VACANT/BUSINESS
 RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (Ch. 3): ASSEMBLY 2

OCCUPANCY CATEGORY (Table 1604.5): Current: **II** Proposed: **II**

BASIC BUILDING DATA

Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B

Sprinklers: No Partial NFPA 13 NFPA 13R NFPA 13D

Standpipes: No Class I II III Wet Dry

Primary Fire District: No Yes Flood Hazard Area: No Yes

Special Inspections Required: No Yes Fire Flow: 1750 GPM for 2 HOURS

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 rd Floor	N/A		
2 nd Floor	N/A		
Mezzanine	N/A		
1 st Floor Ste. 161		1,360	1,360
Basement	N/A		
Total		1,360	1,360

ALLOWABLE AREA

Primary Occupancy Classification(s):

Assembly A-1 A-2 A-3 A-4 A-5
 Business
 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 I-2 I-3 I-4
 1-3 Condition 1 2
 1-2 Condition 1 2
 1-3 Condition 1 2 3 4 5
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High Piled
 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 Yes Separation: 1 Hr. Exception:
 Non-separated Use (508.3)
 Separated Use (508.4) - See below for area calculations for each story.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} + \dots \leq 1$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA FOR FRONTAGE INCREASES ⁴	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ³
JMs	BUSINESS	1,360	9,000	6,750	15,750
BLDG	BUSINESS	4,388	9,000	6,750	15,750

¹ Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = ALL (F)
 b. Total Building Perimeter = ALL (P)
 c. Ratio (F/P) = 1.0 (F/P)
 d. W = Minimum width of public way = 30 (W)
 e. Percent of frontage increase $I_f = 100[(F/P - 0.25)] \times W/30 = 75 (\%)$

² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
⁵ Frontage increase is based on the un-sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40'	17.4'	
Building Height in Stories (Table 504.4)	1	1	

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (w/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame Including columns, girders, trusses							
Bearing Walls							
Exterior							
North			N/A				
East	>30'	0	2	EXISTING	GLASS		
West			N/A				
South			N/A				
Interior			N/A				
Nonbearing Walls and Partitions							
Exterior							
North		0	0				
East		0	0				
West		0	0				
South		0	0				
Interior		0	0				
Floor Construction Including supporting beams and joists			N/A				
Floor Ceiling Assembly			N/A				
Columns Supporting Floors			N/A				
Roof Construction Including supporting beams and joists			0	0			
Roof Ceiling Assembly		0	0				
Columns Supporting Roof		0	0				
Shaft Enclosures - Exit			N/A				
Shaft Enclosures - Other			N/A				
Corridor Separation			N/A				
Occupancy/Fire Barrier Separation		0	1HR	EXISTING	DRYWALL		
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				

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DIGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
NORTH-EAST >30'	UP, NS	NO LIMIT	43%
SOUTH-EAST >30'	UP, NS	NO LIMIT	19%
SOUTH-WEST >30'	UP, NS	NO LIMIT	7%
NORTH-WEST >30'	UP, NS	NO LIMIT	13%

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes No
 Exit Signs: Yes No
 Fire Alarm: Yes No SPRINKLER VALVE FLOW SWITCH ONLY
 Smoke Detection System: Yes No LIMITED SMOKE PER MECHANICAL CODE
 Carbon Monoxide Detection Yes No

This building may be required to meet the requirements of Section 510 of the NC Fire Code for Emergency Responder Radio Coverage. Verify with the Fire Marshal.

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: **G-102**

Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations (if not on the site plan)
 Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
 Occupant loads for each area
 Exit access travel distances (1017)
 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
 Dead end lengths (1020.4)
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
 Location of doors with panic hardware (1010.1.10)
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
 Location of doors with electromagnetic egress locks (1010.1.9.9)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1030)
 The square footage of each fire area (202)
 The square footage of each smoke compartment for Occupancy Classification 1-2 (407.5)
 Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107) - N/A

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

ACCESSIBLE PARKING (SECTION 1106) - SEE SITE PLAN FOR PARKING DATA

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATERCLOSETS			URINALS			LAVATORIES			SHOWERS/TUBS		DRINKING FOUNTAINS		SERVICE SINK
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE		
EXIST'G	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW	1	1	0	0	0	1	1	0	0	0	0	0	0	1
REQ'D	1	1	0	0	0	1	1	0	0	0	0	0	0	1

Total Occupancy 65 - 1775 each gender required

SPECIAL APPROVALS
 (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS: EXISTING BUILDING ENVELOPE

Existing building envelope complies with code: (If checked, the remainder of this section is not applicable.)

Exempt Building: Provide code or statutory reference:

Climate Zone: 3A 4A 5A

Method of Compliance:

Energy Code: Performance Prescriptive
 ASHRAE 90.1: Performance Prescriptive
 Other: Performance (If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Skylights in each assembly: _____
 U-Value of skylight: _____
 Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Openings (windows or doors with glazing)
 U-Value of assembly: _____
 Solar heat gain coefficient: _____
 Projection factor: _____
 Door R-Values: _____

Walls below grade (each assembly) N/A

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/vertical requirement: _____

Jersey Mikes Subs
 1624 NC 24-87 HIGHWAY
 CAMERON, NORTH CAROLINA 28326



ANDREW W. PRIVETTE, ARCHITECT

1920 FT. BRAGG ROAD - FAYETTEVILLE, N.C. 28303 - (910) 485-8567



SEPTEMBER 20, 2021
 UPDATED DECEMBER 01, 2021
 UPDATED JANUARY 25, 2022

LIST OF DRAWINGS:

INFORMATIONAL:
 G-101 COVER SHEET & BUILDING CODE SUMMARY
 G-102 LIFE SAFETY PLAN & ACCESSIBILITY

ARCHITECTURAL:
 A-101 EXISTING & PROPOSED FLOOR PLANS
 A-102 REFLECTIVE CEILING PLAN & DETAILS
 A-103 EQUIPMENT PLAN & INFORMATION
 A-104 INTERIOR ELEVATIONS
 A-105 INTERIOR ELEVATIONS
 A-106 CABINET DETAILS
 A-107 COUNTER DETAILS
 A-108 FLOORING INFORMATION
 A-109 FINISH SCHEDULE & INFORMATION
 A-110 NOTES - DETAILS & SPECIFICATIONS

ELECTRICAL:
 E-1 ELECTRICAL PLAN, NOTES & PANELS
 E-2 LIGHTING PLAN, RISER & SCHEDULES

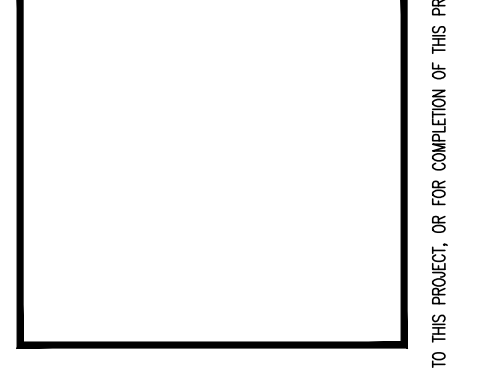
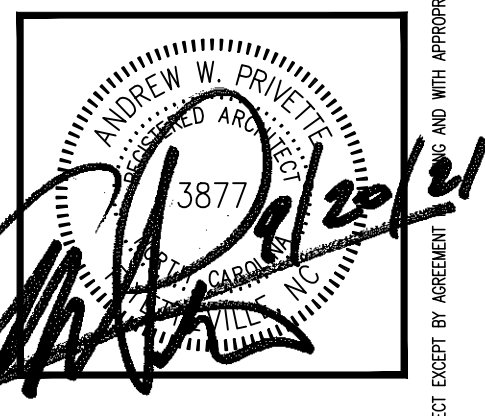
MECHANICAL:
 M-1 HVAC PLAN, NOTES, SCHEDULES
 M-2 HVAC ROOF PLAN, NOTES, SCHEDULES & DETAILS

PLUMBING:
 P-1 PLUMBING WASTE PLAN, RISERS & DETAILS
 P-2 PLUMBING WATER PLAN, DETAILS & SCHEDULES

PERMITTING STAMP:

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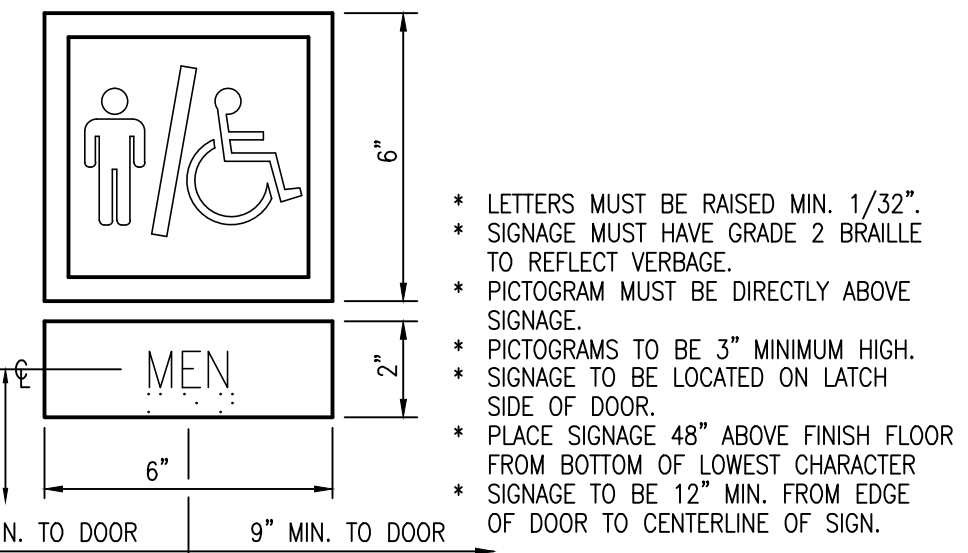
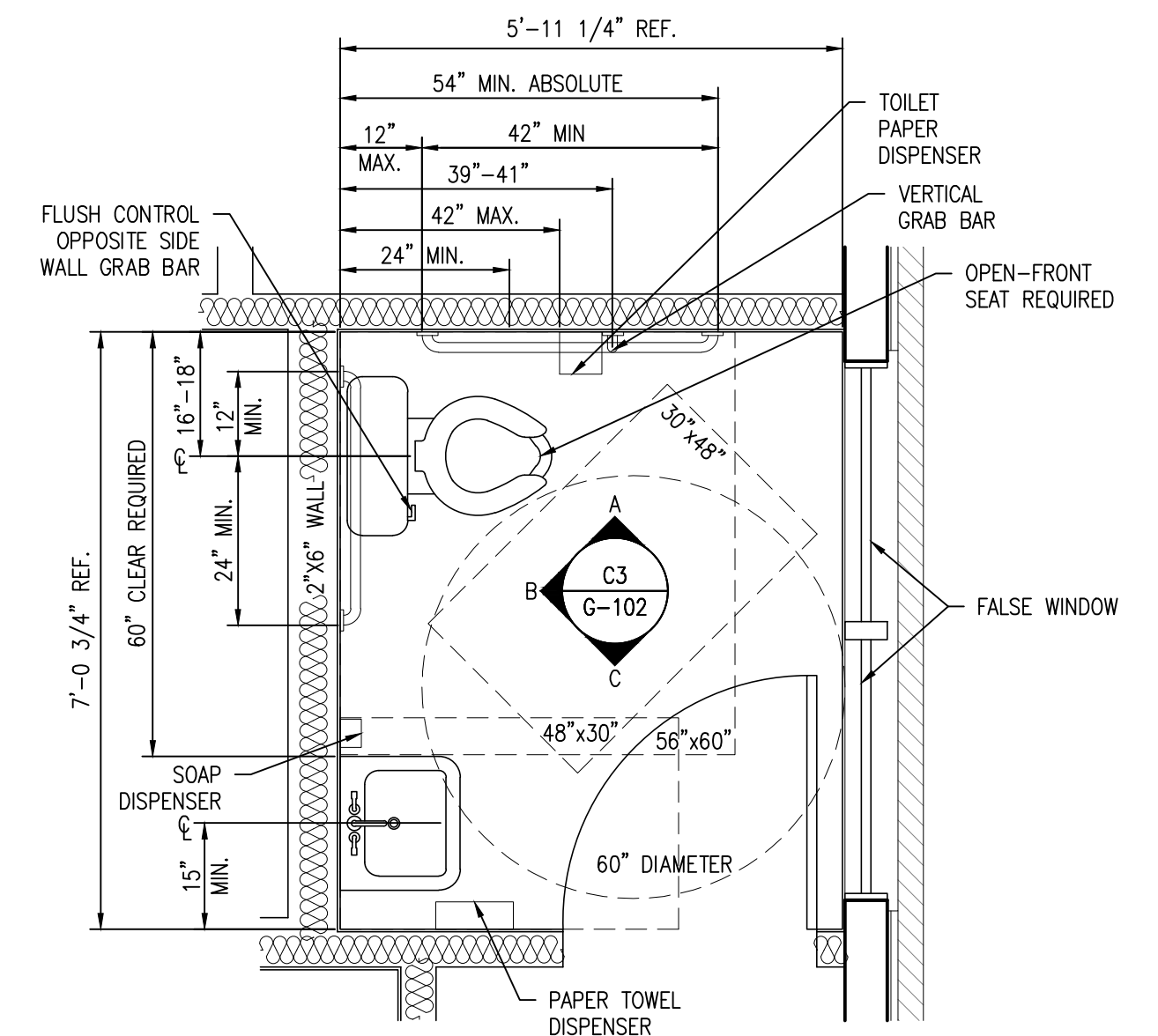
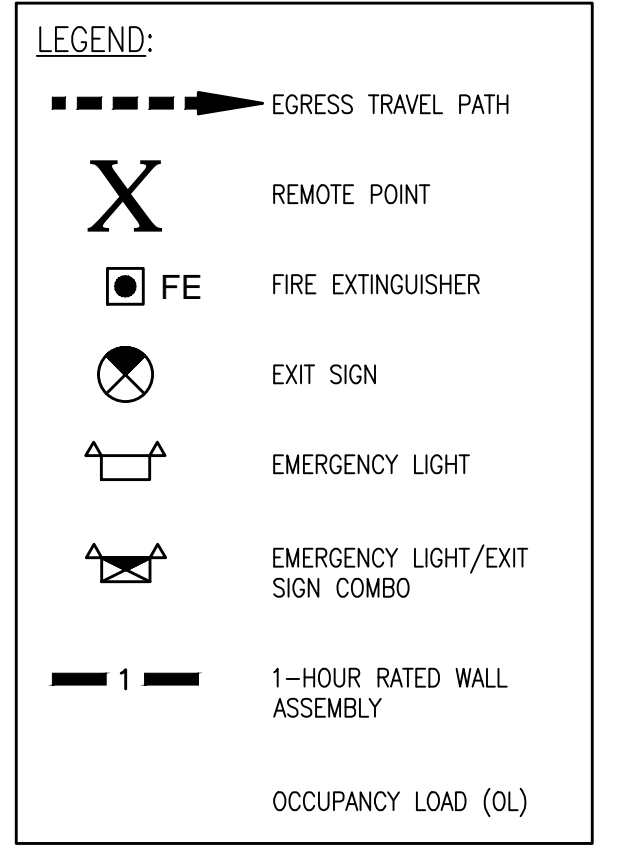
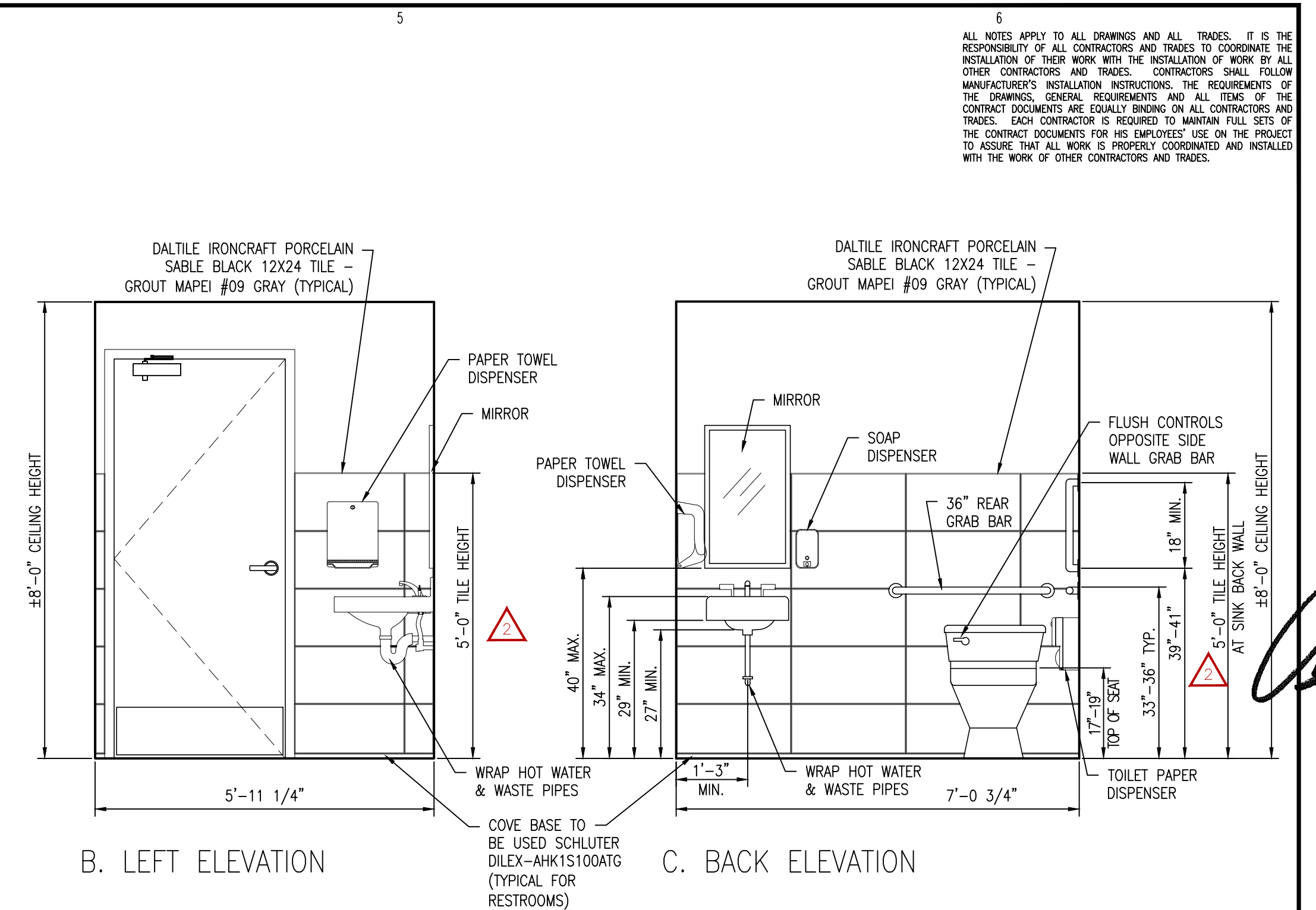
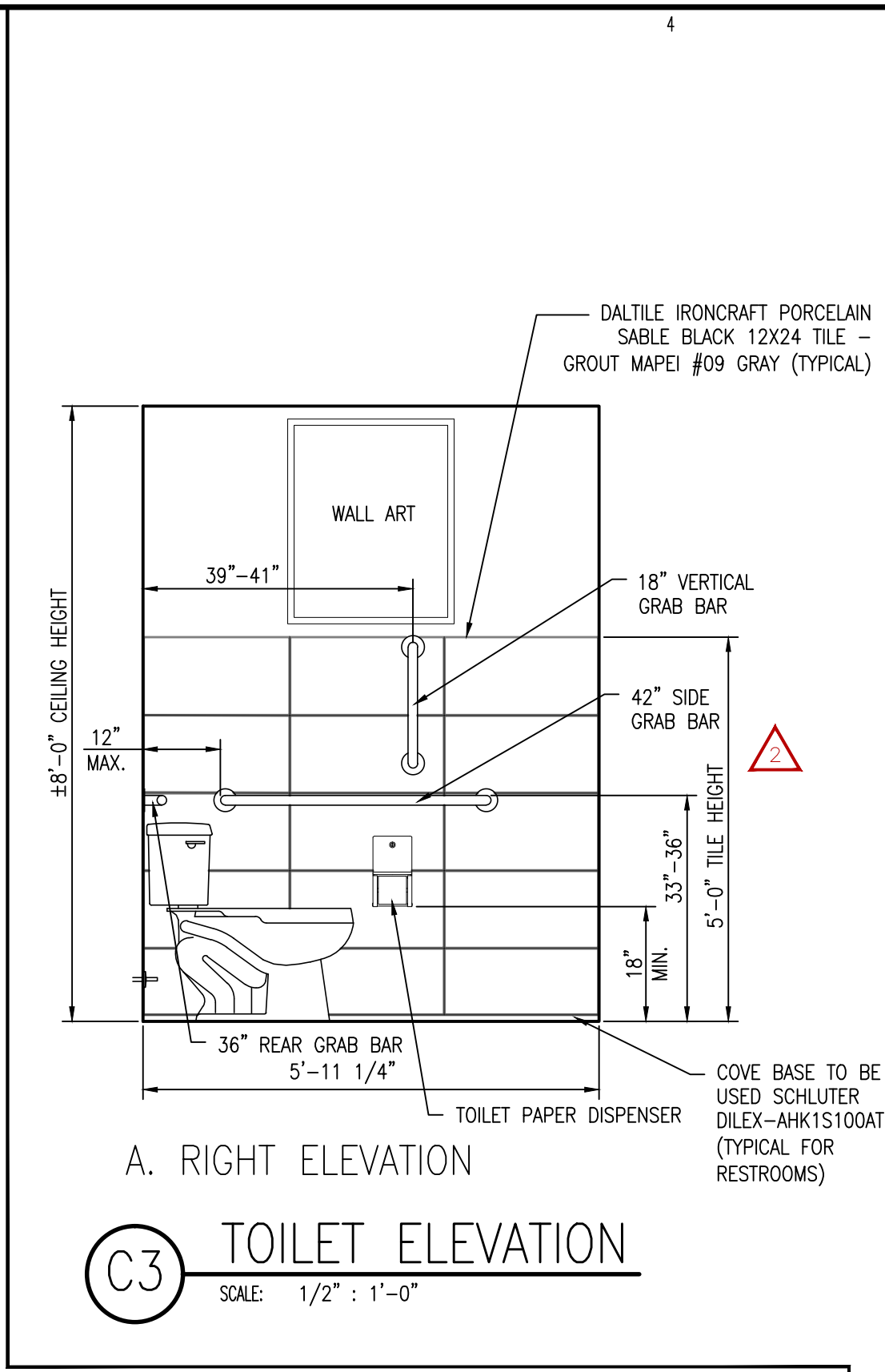
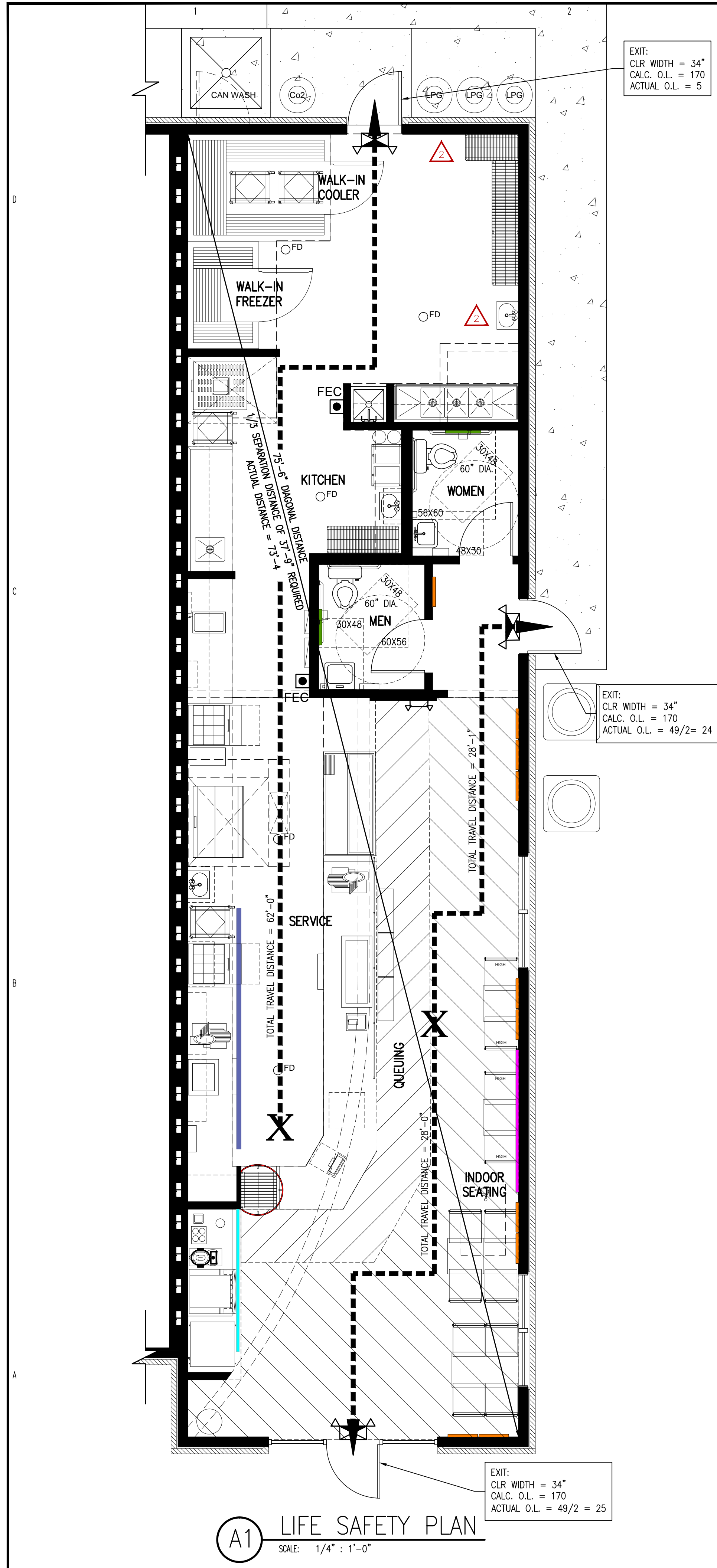
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REV.	DATE	DESCRIPTION	CHK.
REV. 1	11-25-2021	CHGS FOR HEALTH INSURANCE COMMENT 11/23/21	JWP
REV. 2	11-25-2021	CHGS FOR HEALTH INSURANCE COMMENT 11/23/21	JWP
REV. 3	11-25-2021	CHGS FOR HEALTH INSURANCE COMMENT 11/23/21	JWP

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SHEET TITLE:
 COVER SHEET & BUILDING CODE SUMMARY
 UPDATED 11-25-2022

G-101
 SHEET 1 OF 2



EXIT REQUIREMENTS					
NUMBER AND ARRANGEMENT OF EXITS					
FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM ¹ NUMBER OF EXITS REQUIRED	TRAVEL DISTANCE ALLOWABLE (TABLE 1017.2)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
DINING AREA	2	200'	28'-1"	37'-9"	56'-1"
KITCHEN	1	200'	62'-0"		

OCCUPANT LOAD AND EXIT WIDTH								
USE GROUP AND/OR SPACE DESIGNATION	AREA		NUMBER OF OCCUPANT	EGRESS WIDTH PER OCCUPANT (SECTION 1005.1)		EXIT WIDTH (n) ^{2,3,4,5}		ACTUAL WIDTH SHOWN ON PLANS
	(A) SQ. FT.	(B) PER OCCUPANT		(A/B)X	STAIR	LEVEL	STAIR	
SEATING	330 SQ. FT.	15 SQ. FT.	22	N/A	0.2"	N/A	N/A	N/A
QUEUING	112 SQ. FT.	5 SQ. FT.	22	N/A	0.2"	N/A	N/A	N/A
SERVICE	586 SQ. FT.	200 SQ. FT.	3	N/A	0.2"	N/A	N/A	N/A
KITCHEN	301 SQ. FT.	200 SQ. FT.	2	N/A	0.2"	N/A	N/A	N/A
TOTALS			49	N/A	0.2"	N/A	9.8	N/A

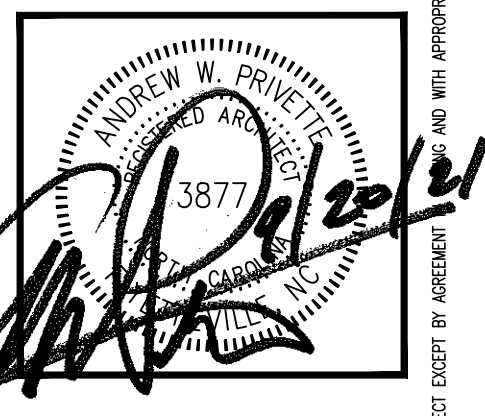
TOTAL # OF OCCUPANTS: 49

¹ SEE TABLE 1004.1.1 TO DETERMINE WHETHER NET OR GROSS AREA IS APPLICABLE.
² MINIMUM STAIRWAY WIDTH (SECTION 1011.2); MIN. CORRIDOR WIDTH (SECTION 1020.2); MIN. DOOR WIDTH (SECTION 1010.1.1)
³ MINIMUM WIDTH OF EXIT PASSAGEWAY (SECTION 1024.2)
⁴ THE LOSS OF 1 MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE TOTAL REQUIRED (SECTION 1005.1)
⁵ ASSEMBLY OCCUPANCIES (SECTION 1029)

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. CONTRACTORS SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

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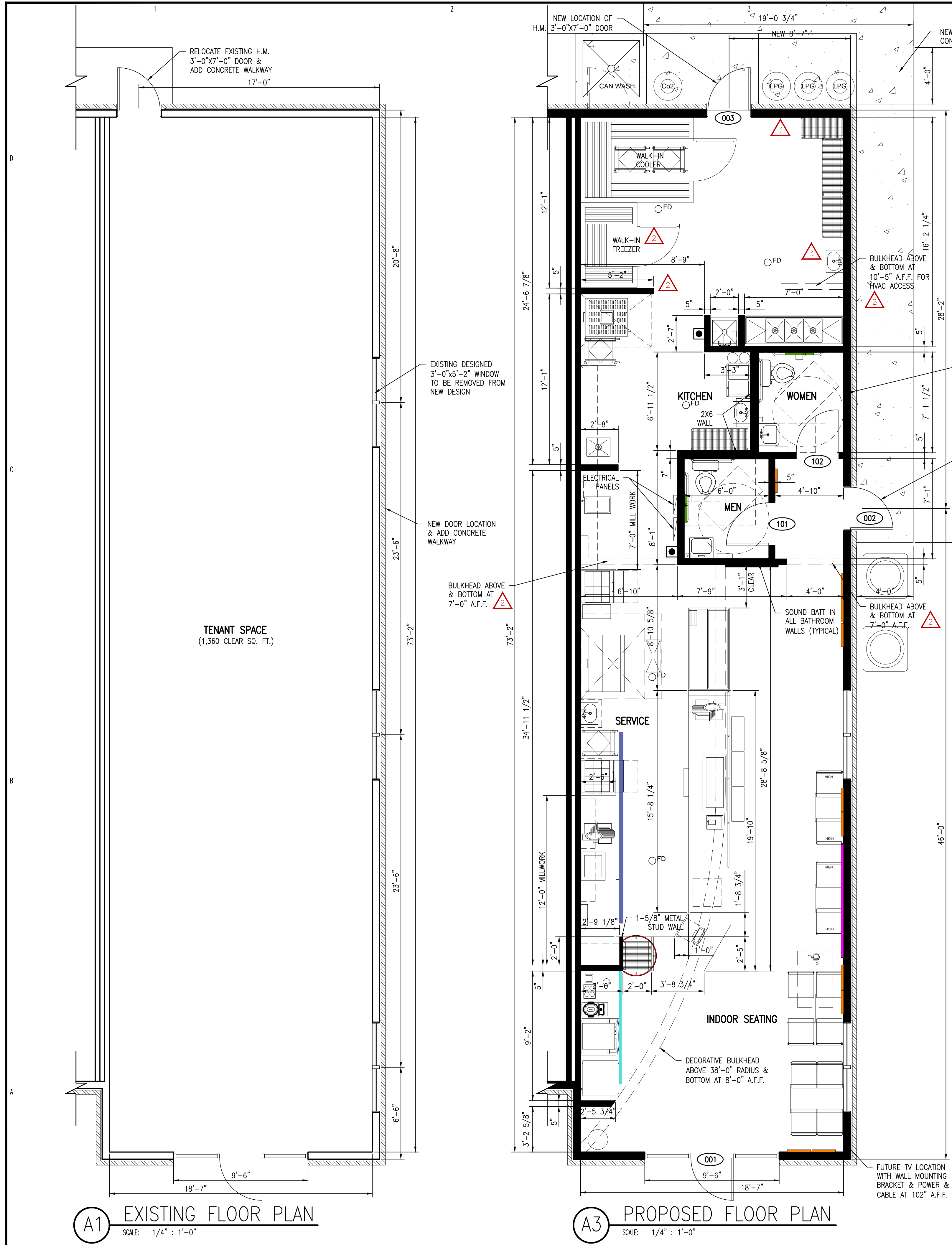
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SHEET TITLE:
LIFE SAFETY PLAN & ACCESSIBILITY DETAILS
UPDATED 1-25-2022

G-102
SHEET 2 OF 2



ATTIC INSULATION NOTES:
 OPTIONS FOR ATTIC INSULATION INCLUDE:
 KRAFT-FACED FIBERGLASS WITH FLANGES STAPLED TO THE ROOF TRUSS BOTTOM CHORD
 INSULATION FABRIC STAPLED TO THE BOTTOM CHORD AND BLOWN INSULATION
 IN ALL CASES THE ATTIC INSULATION IS REQUIRED TO BE R-38 OR BETTER.
 THERE IS NO EQUIPMENT IN THE ATTIC SO NO ACCESS IS NECESSARY.

DOOR SCHEDULE												PT=PAINT S=STAIN	H.M.= HOLLOW METAL MFR=MANUFACTURER	INSUL=INSULATION N/A=NOT APPLICABLE	L=LEFT HANDED R=RIGHT HANDED	LR=LEFT HAND REVERSE RR=RIGHT HAND REVERSE	REMARKS
NO.	TYPE	WIDTH	HT.	THICK	GLASS	DR. MAT.	CORE MAT.	FACE MAT.	LABEL	FRAME	FINISH	HAND	HARDWARE	SET			
001	EXISTING	36"	84"	-	EXISTING	STOREFRONT	-	-	2 HR	EXSTG	PT	RR	EXISTING		STOREFRONT SYSTEM AND DOOR TO REMAIN		
002	NEW	36"	84"	1 3/4"	N/A	HOLLOW METAL	INSULATED	STEEL	N/A	H.M.	PT	LR	2		SHELL BUILDING		
003	NEW	36"	84"	1 3/4"	N/A	HOLLOW METAL	INSULATED	STEEL	N/A	H.M.	PT	LR	2		SHELL BUILDING		
101	NEW	36"	80"	1 3/4"	N/A	WOOD	SOLID	BIRCH	N/A	H.M.	PT-S	L	1		-		
102	NEW	36"	80"	1 3/4"	N/A	WOOD	SOLID	BIRCH	N/A	H.M.	PT-S	R	1		-		

SET #1: (PRIVACY)
 LOCKSET: SCHLAGE AL40S-NEP-626 (BATH PRIVACY)
 HINGES: MCKINNEY TA-2714 3 EACH 4.5 X 4.5 S.S. BALL BEARING
 DOOR/HINGE STOP: GLYNN-JOHNSON WALL: 60W-US32D; FLOOR: FB13-US26D

SET #2: (SECURE PANIC EXIT)
 PANIC DEVICES: VONDUPRIN 3SL - SERIES 35 TOUCH BAR WITH LEVER TRIM, LEVER #03, US26 FINISH TYPICAL.
 RIM TYPE FLAT BAR PANIC DEVICES BY VONDUPRIN OR ADAMS-RITE TA-2714 3 EACH 4.5 X 4.5 S.S. BALL BEARING
 HINGES: MCKINNEY 8301-BF-US26
 CLOSER: NORTON NGP #172SDKB TOP & SIDES THRESHOLD 896DKB
 WEATHER STRIPPING: NATIONAL GUARD 36 E VINYL DOOR BOTTOMS
 EXT. DOOR THRESHOLD: NATIONAL GUARD

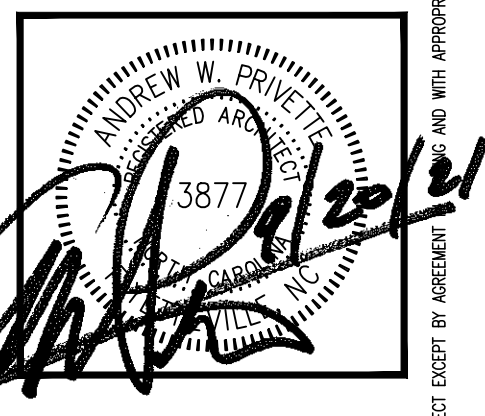
HARDWARE NOTES:

- COORDINATE WITH OWNER'S FURNITURE PLAN FOR DOOR/WALL/HINGE STOPS
- KICKPLATES ON PUSH SIDE OF DOOR.
- ALL HARDWARE TO BE POLISHED CHROME OR SATIN NICKEL
- SCHLAGE - AL SERIES, NEPTUNE LEVER, OR: PDO - OP SERIES BOSTON LEVER, OR: FALCON - B SERIES, QUANTUM ARE ACCEPTABLE.
- ALL DOOR HANDLES, PULLS, LATCHES, LOCKS TO BE LOCATED 40" A.F.F.

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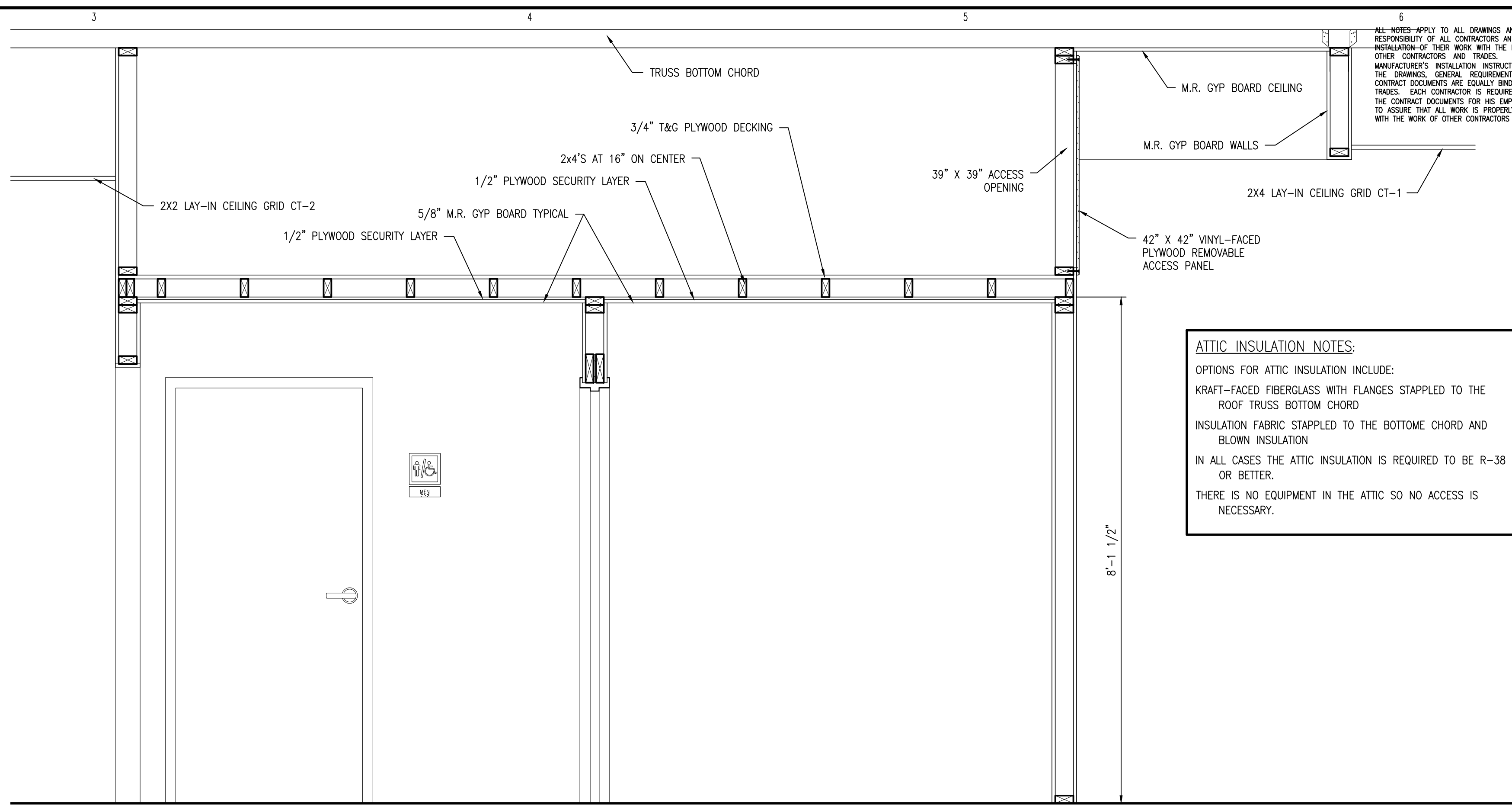
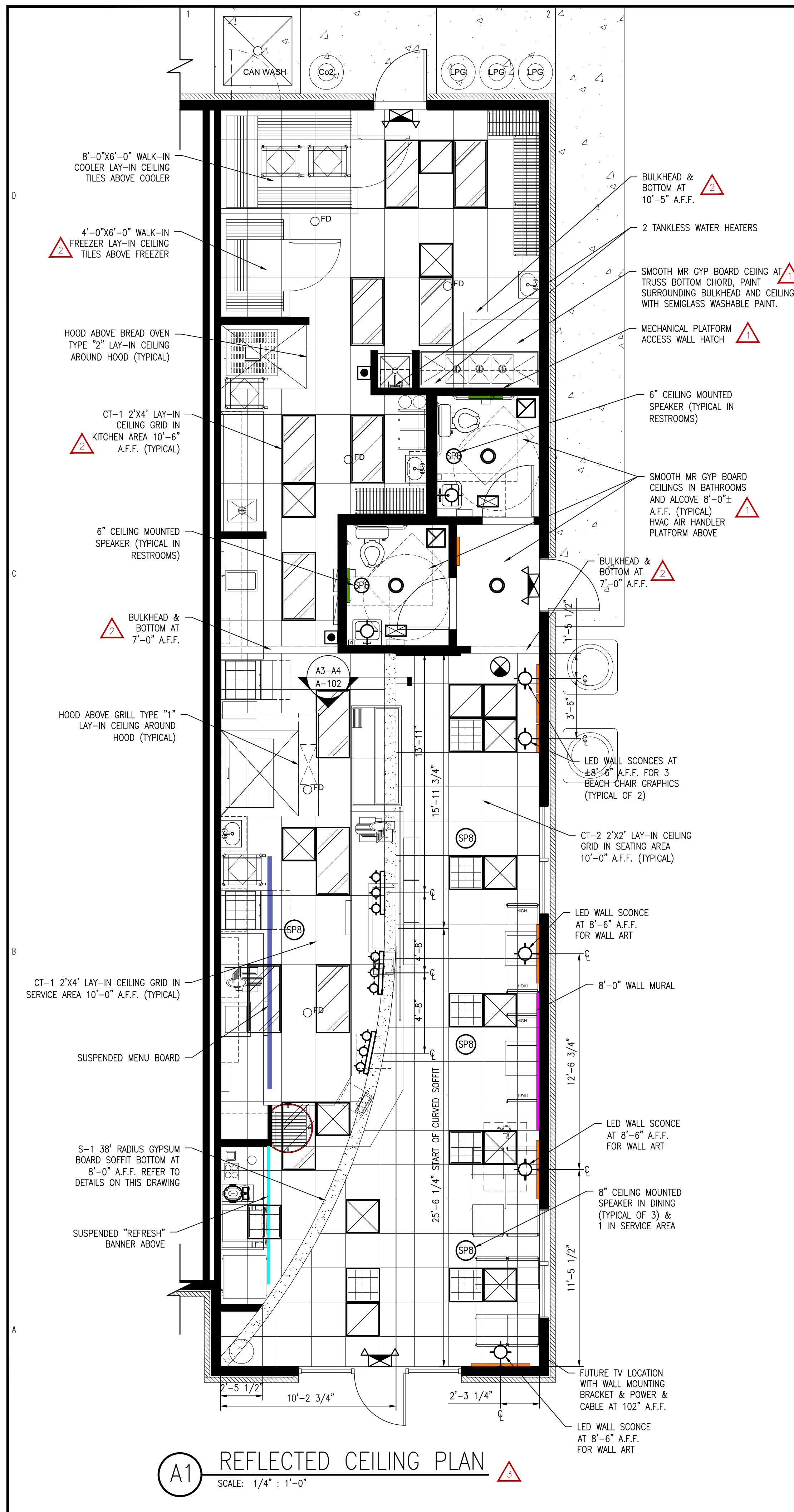
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REV. 5	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 6	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 7	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 8	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 9	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 10	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 11	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 12	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 13	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 14	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
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REV. 21	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 22	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
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REV. 94	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 95	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 96	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 97	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 98	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 99	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM
REV. 100	1-25-2022	CHGS PER HEALTH DEPT COMMENT 1/13/22	JAM

JOB CODE: 21JERSEY MIKES-CAMERON
 DRAWN BY: A. REYES
 CHECKED BY: A. PRIVETTE
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SHEET TITLE:
 EXISTING & PROPOSED
 FLOOR PLANS &
 DOOR SCHEDULE
 UPDATED: 1-25-2022

A-101
 SHEET 1 OF 10

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER. ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.



RESTROOM/MECHANICAL LOFT SECTION

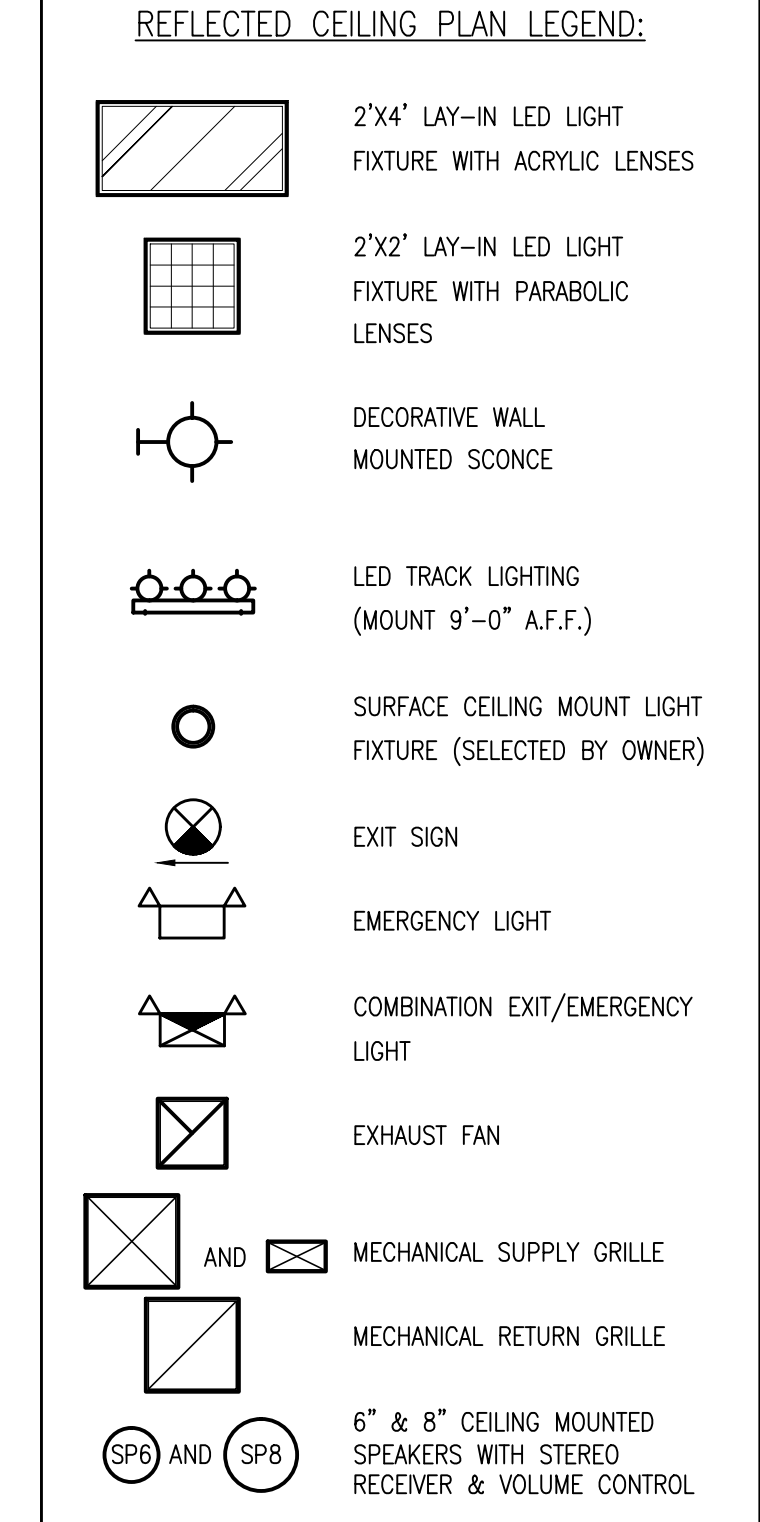
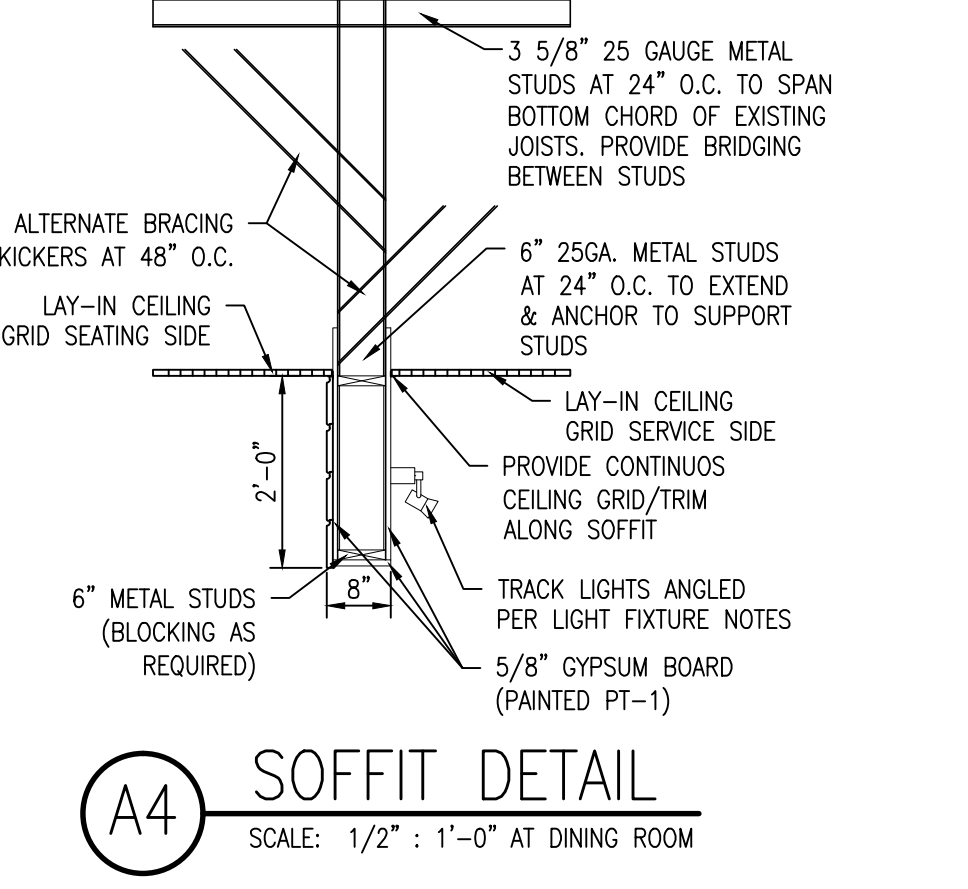
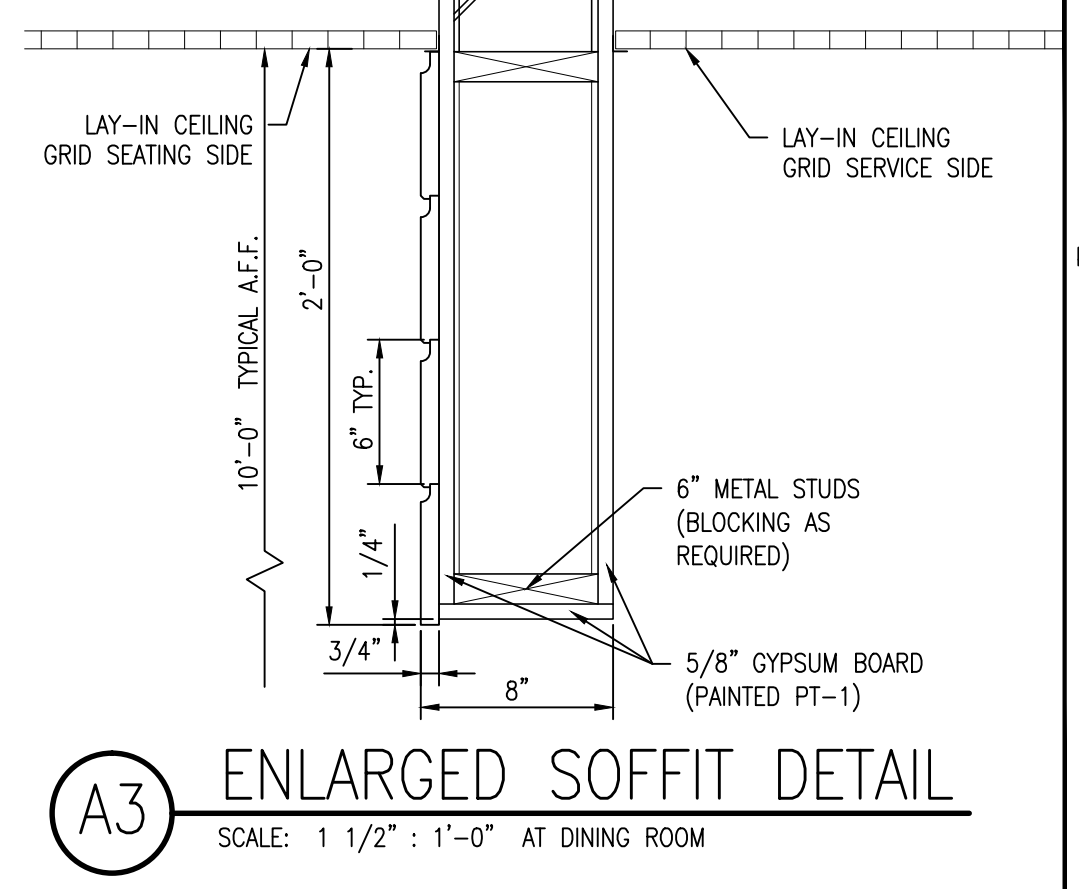
CEILING SCHEDULE					
TAG	SOURCE	TYPE	COLOR	SIZE	COMMENTS
CT-1	ARMSTRONG	ACOUSTICAL CEILING TILE VINYL FACED	WHITE VINYL	2'x4'	FOOD PREP AREAS HD APPROVED VINYL FACED
CT-2	ARMSTRONG	ACOUSTICAL CEILING TILE FISSURED 2X2 WITH REGULAR EDGE	WHITE	2'x2'	CUSTOMER AREA, RESTROOM VESTIBULE, AND RESTROOMS
S-1		GYPSUM SOFFIT			SEE DETAILS A-102 THIS SHEET

LIGHTING FIXTURE (LUMINAIRE) SCHEDULE					
TYPE	CATALOG NUMBER	NO. LAMPS/TYPE	WATTS	VOLTS	DESCRIPTION
A	72010201	LED	50	120	2X4 FLAT PANEL ACRYLIC LENSES LED
B1	09702243	LED	42	120	2X2 DIRECT/INDIRECT PARABOLIC LED
T1	18644197	LED	10	120	WHITE TRACKHEAD FOR MENUBOARD AND ABOVE MEAT CASE AND SLICER
P1	86703496	LED	6	120	PENDANT PENDANT POLISHED NICKEL G40 LED FILAMENT BULB
LL	51900837	LED	40	120	SUSPENSION 4" WHITE LINEAR LIGHT
E1	90902323	LED	2.2	120	2-HEAD BY EMERGENCY
E2	90900301	LED	3.6	120	EXIT UNIV. LED RED
E3	90902167	LED	2.2	120	EXIT/EMERG. COMBO LED W/REMOTE

LUMINAIRE SCHEDULE NOTES:
1. LIGHTING FIXTURES AND LAMPS IN THE ABOVE SCHEDULE ARE PROVIDED BY THE CONTRACTOR VIA A NATIONAL CONTRACT WITH HERMITAGE LIGHTING NATIONAL ACCOUNTS. THE CONTRACTOR IS RESPONSIBLE FOR PURCHASING AND INSTALLING THE LIGHTING FIXTURES. ANY QUESTIONS REGARDING FIXTURE AND LAMP TYPES, INSTALLATION REQUIREMENTS, AND ORDERS SHALL BE WITH WYATT CULVER OF HERMITAGE LIGHTING AT (800) 264-3383, OR (615) 843-3379 OR LEE DANIELS AT (615) 843-3364.

ACCENT LIGHTING FIXTURE (LUMINAIRE) SCHEDULE					
TYPE	CATALOG NUMBER	NO. LAMPS/TYPE	WATTS	VOLTS	DESCRIPTION
W1	JM9002	LED	6	120	WALL SCONCE POLISHED NICKEL G40 LED FILAMENT BULB

LUMINAIRE SCHEDULE NOTES:
1. LIGHTING FIXTURES AND LAMPS IN THE ABOVE SCHEDULE ARE PROVIDED BY THE CONTRACTOR, VIA A NATIONAL CONTRACT WITH FIVE KIDS GROUP, INC. THE CONTRACTOR IS RESPONSIBLE FOR PURCHASING AND INSTALLING THE LIGHTING FIXTURES. ANY QUESTIONS REGARDING FIXTURE AND LAMP TYPES, INSTALLATION REQUIREMENTS, AND ORDERS SHALL BE THROUGH CUSTOMERSERVICE@UNISERVINC.COM TO SETUP AN ACCOUNT. ALL ORDERS WILL BE PLACED THROUGH JM.FIVEKIDSGROUP.COM USING THE LOGIN CREDENTIALS AFTER SETUP.



SPEAKER NOTES:
1. VERIFY PLACEMENT OF SPEAKERS WITH VENDOR & COORDINATE WITH ELECTRICAL & MECHANICAL EQUIPMENT.
2. SYSTEM TO BE ORDERED THROUGH "SOURCE ONE DISTRIBUTORS" (877) 977-4525.

ATTIC INSULATION NOTES:
OPTIONS FOR ATTIC INSULATION INCLUDE:
KRAFT-FACED FIBERGLASS WITH FLANGES STAPLED TO THE ROOF TRUSS BOTTOM CHORD
INSULATION FABRIC STAPLED TO THE BOTTOM CHORD AND BLOWN INSULATION
IN ALL CASES THE ATTIC INSULATION IS REQUIRED TO BE R-38 OR BETTER.
THERE IS NO EQUIPMENT IN THE ATTIC SO NO ACCESS IS NECESSARY.

REFLECTED CEILING PLAN NOTES:

- ALL DIMENSIONS ARE FROM INTERIOR FACE OF WALLS TO ϕ OF FIXTURE.
- REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER CATEGORIES OR DRAWINGS FOR ADDITIONAL NOTES.
- SEE ELECTRICAL DRAWING FOR CORRESPONDING REFLECTED CEILING.
- REFER TO STARTING POINT NOTED ON PLAN FOR ALIGNMENT OF TILE PATTERNS. ADVISE ARCHITECT PRIOR TO INSTALLATION IF LAYOUT OF TILE WILL VARY FROM PLANS.
- DO NOT CUT ANY LAY-IN ACOUSTICAL CEILING PANELS LESS THAN 6 INCHES UNLESS INSTRUCTED BY ARCHITECT. LAY-IN CEILING PANELS TO BE EQUALLY SPACED IN ALL AREAS.
- FLOOR ELEMENTS BELOW SUCH AS FURNITURE AND PARTIAL HEIGHT WALLS AND BASE CABINETS ARE SHOWN DASHED FOR REFERENCE.
- LIGHTS SHALL BE CENTERED ON OR OVER ARCHITECTURAL ELEMENTS, UNLESS NOTED OTHERWISE (U.N.O.), WHERE CENTERING CANNOT BE ACHIEVED DUE TO GRID ALIGNMENT, LIGHTS SHALL BE PLACED WITHIN 6 INCHES OF DESIRED CENTER POINT.
- ALL GYPSUM BOARD CEILINGS AND THE UNDERSIDE OF ALL SOFFITS AT BULKHEADS SHALL BE "CEILING WHITE" U.O.N.
- ALL EXPOSED PIPES, DUCTWORK AND GRILLES SHALL BE PAINTED TO MATCH THE COLOR OF THE ADJACENT WALL OR CEILING SURFACE UNLESS NOTED OTHERWISE ON DRAWINGS.
- FOLLOW MANUFACTURER'S BEST INSTALLATION METHODS FOR PROPER INSTALLATION OF ALL MATERIALS.

PERMITTING STAMP:

Designed to Build
A Smarter Approach

ANDREW W. PRIVETTE, AIA
1920 FT. BRAGG ROAD
FAYETTEVILLE,
NORTH CAROLINA 28303
TELE. (910) 485-8567
andy@designtobuild.com

Professional seal and signature of Andrew W. Privette, AIA, dated 12/22/21.

Jersey Mikes Subs
1624 NC 24-87 HIGHWAY
CAMERON, NORTH CAROLINA 28326

REV.	DATE	DESCRIPTION	CHKD
REV. 1	11-25-22	CHGS PER HEALTH DEPARTMENT 11/23/22	JWP
REV. 2	12-05-22	CHGS PER HEALTH DEPARTMENT 12/05/22	JWP
REV. 3	12-22-21	ADDRESS CHG. & WEATHER CLIPPING	JWP

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DRAWN BY: A. PRIVETTE
CHECKED BY: A. PRIVETTE
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SHEET TITLE:
REFLECTED CEILING PLAN
UPDATED 1-25-2022

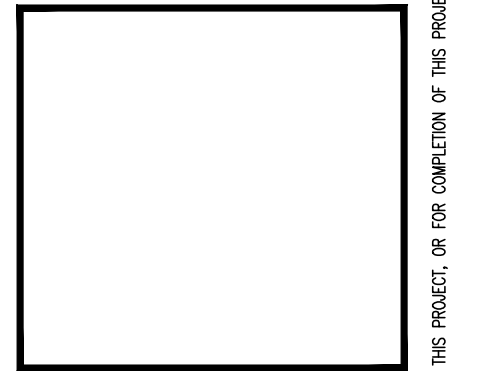
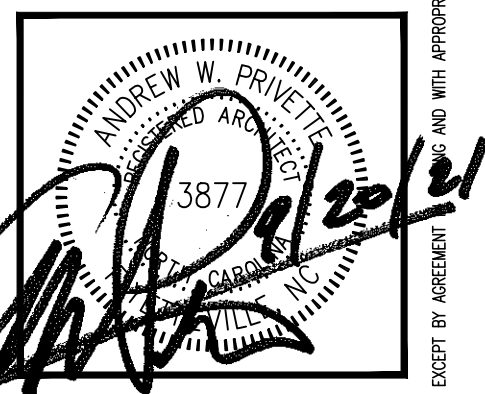
A-102
SHEET 2 OF 10

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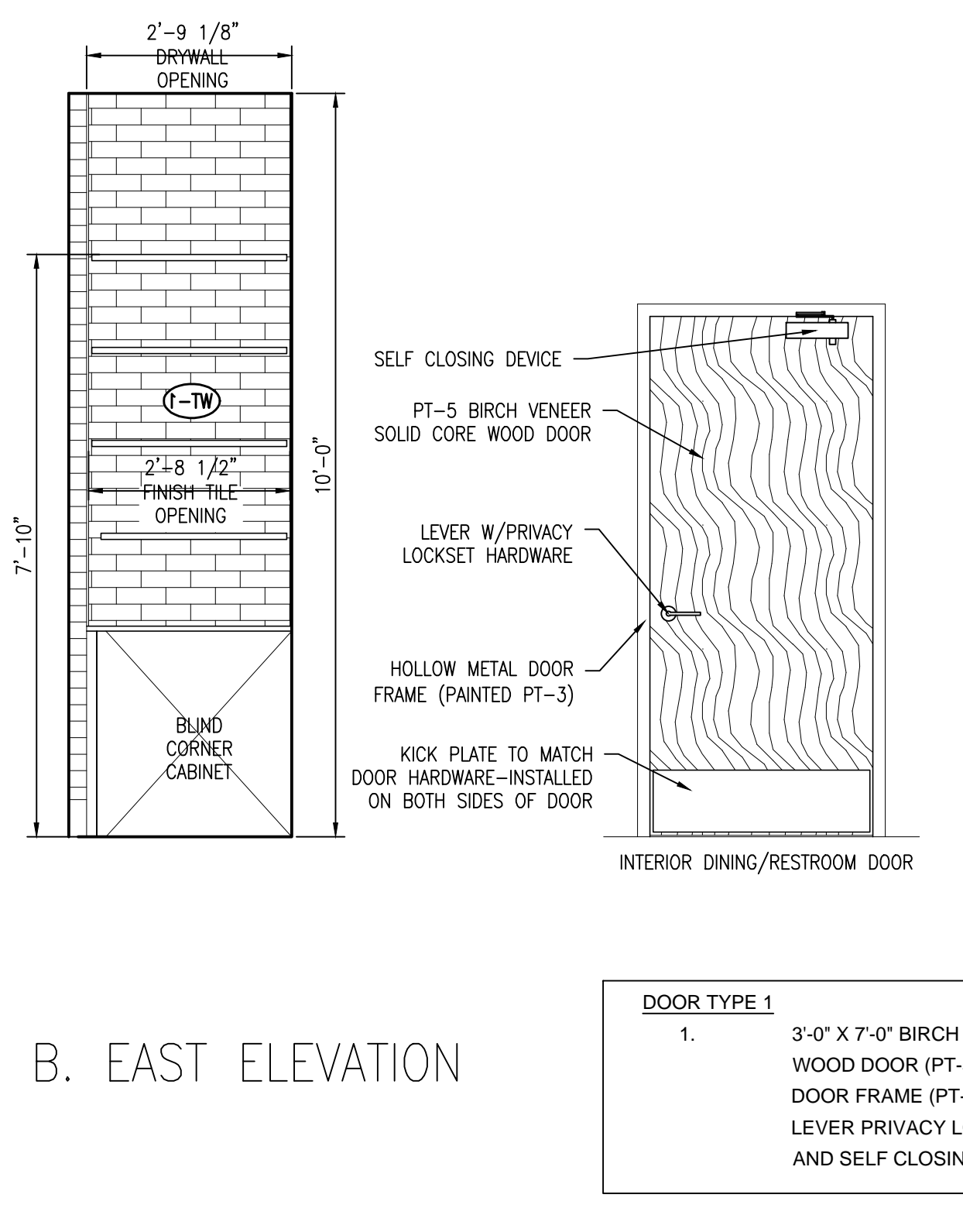
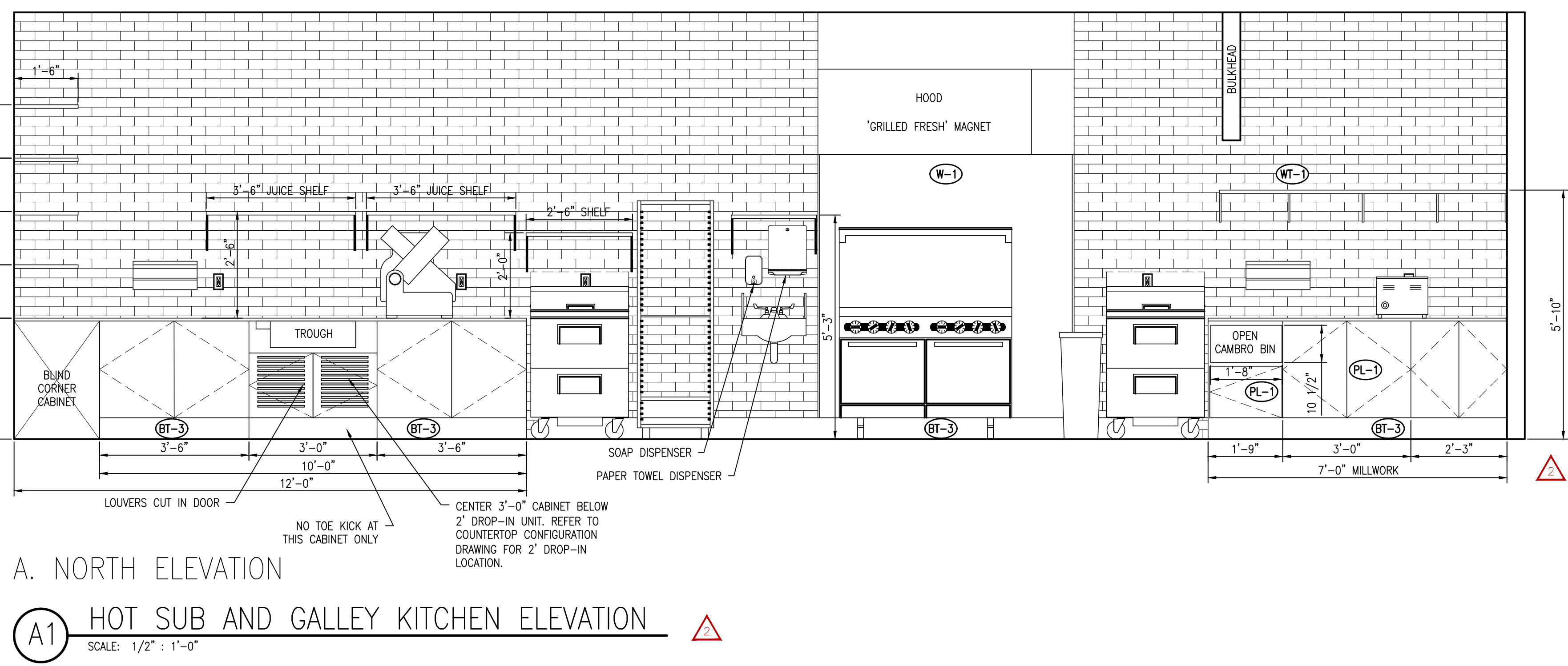
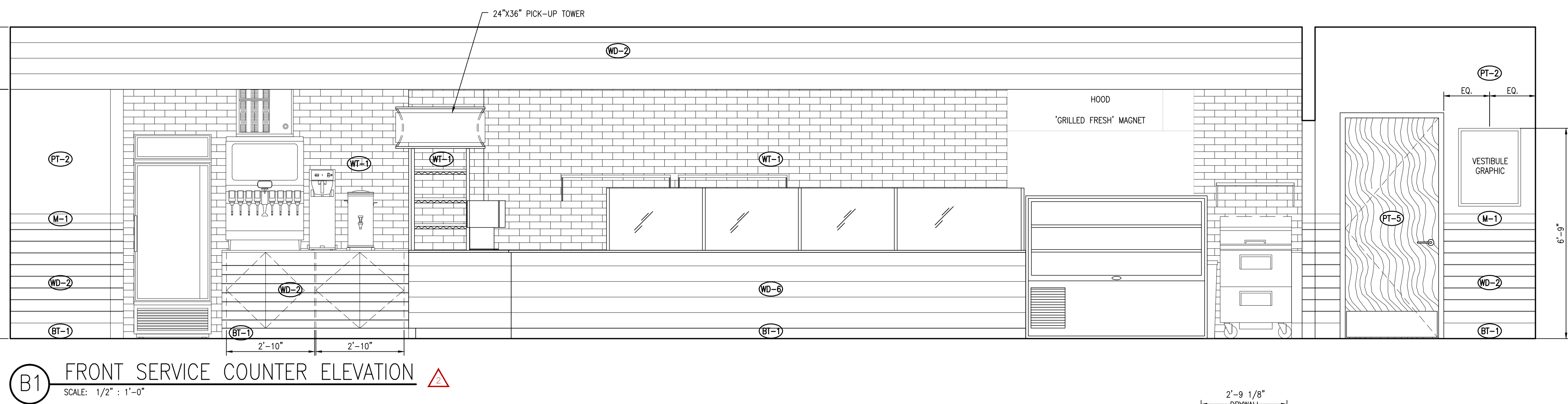
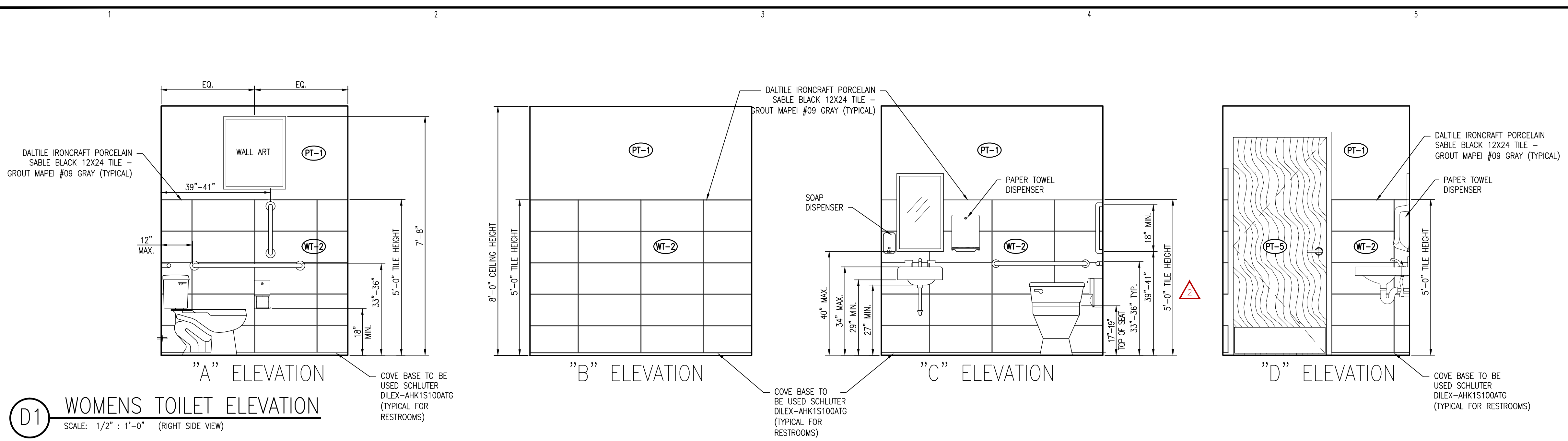
Jersey Mikes Subs
 1624 NC 24-87 HIGHWAY
 CAMERON, NORTH CAROLINA 28326

NO.	DATE	DESCRIPTION	BY	CHK

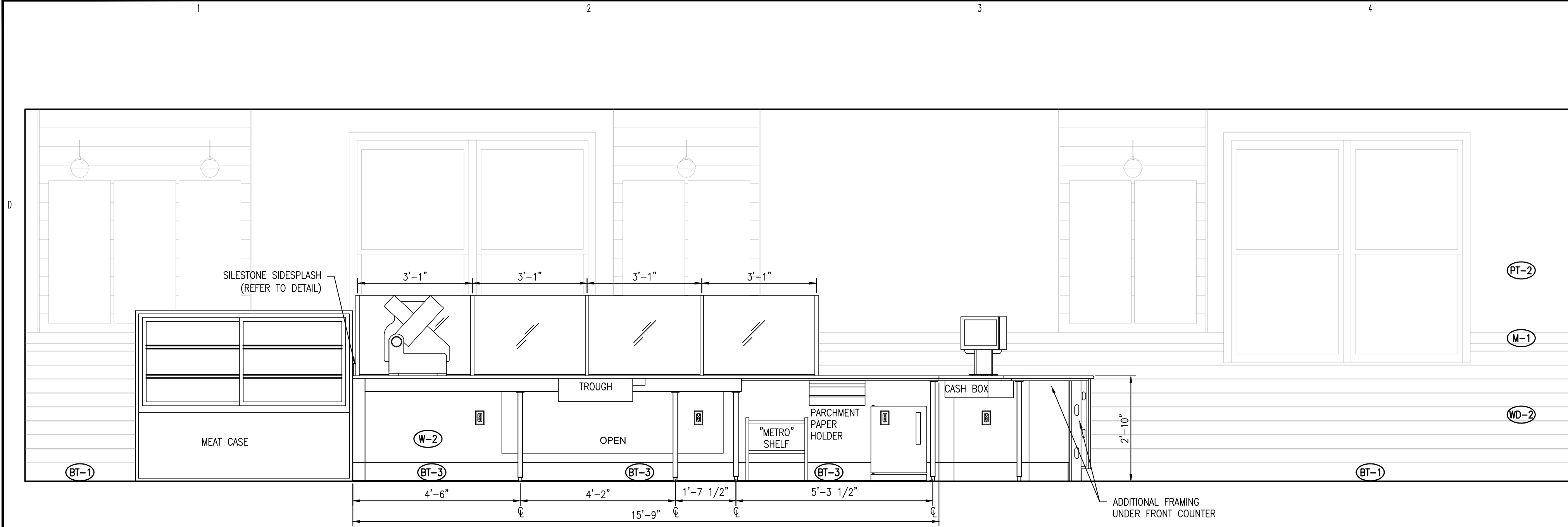
JOB CODE: 21JERSEY MIKES-CAMERON
 DRAWN BY: A. PRIVETTE
 CHECKED BY: A. PRIVETTE
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SHEET TITLE:
INTERIOR ELEVATIONS
 UPDATED 12-01-2021

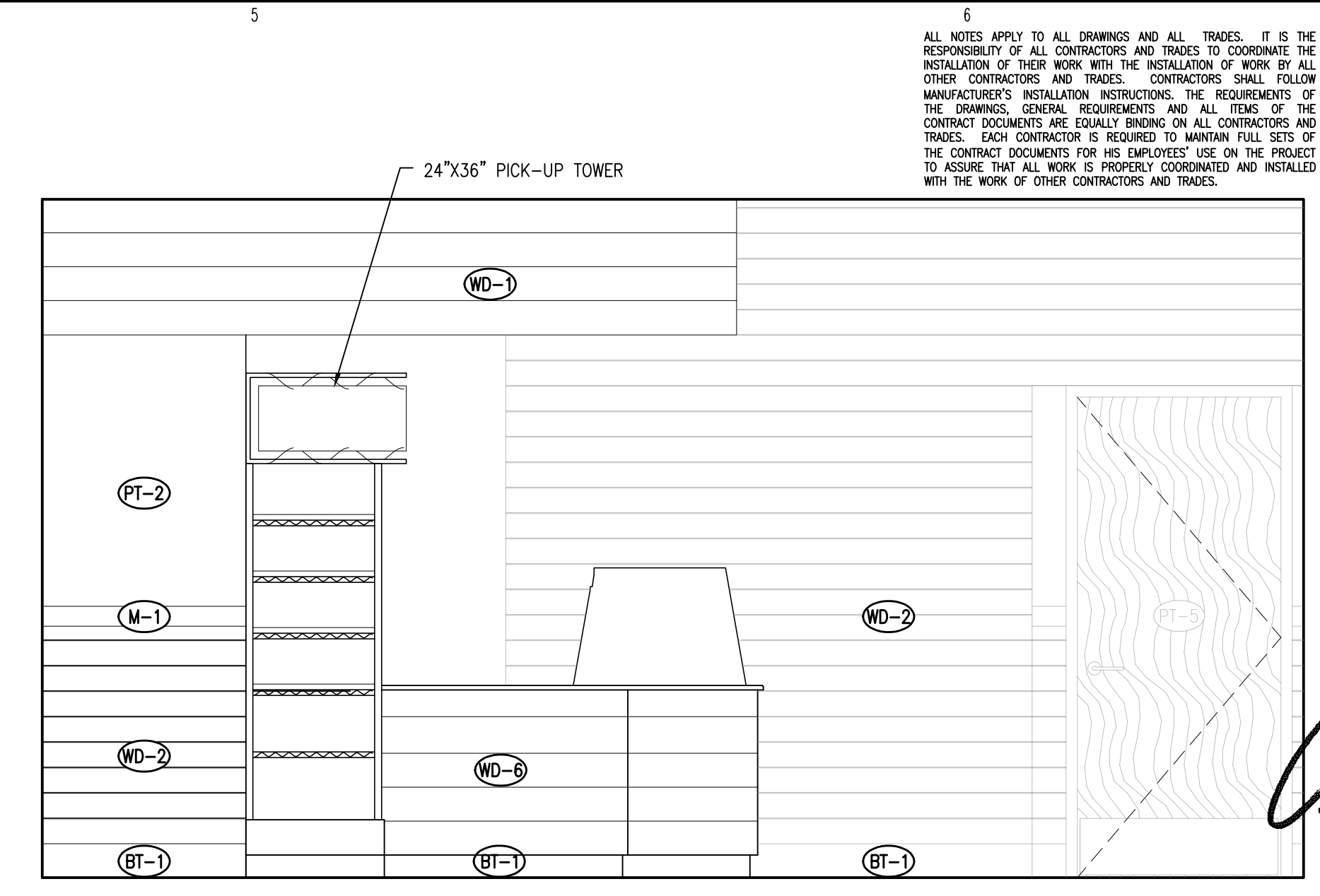
A-104
 SHEET 4 OF 10



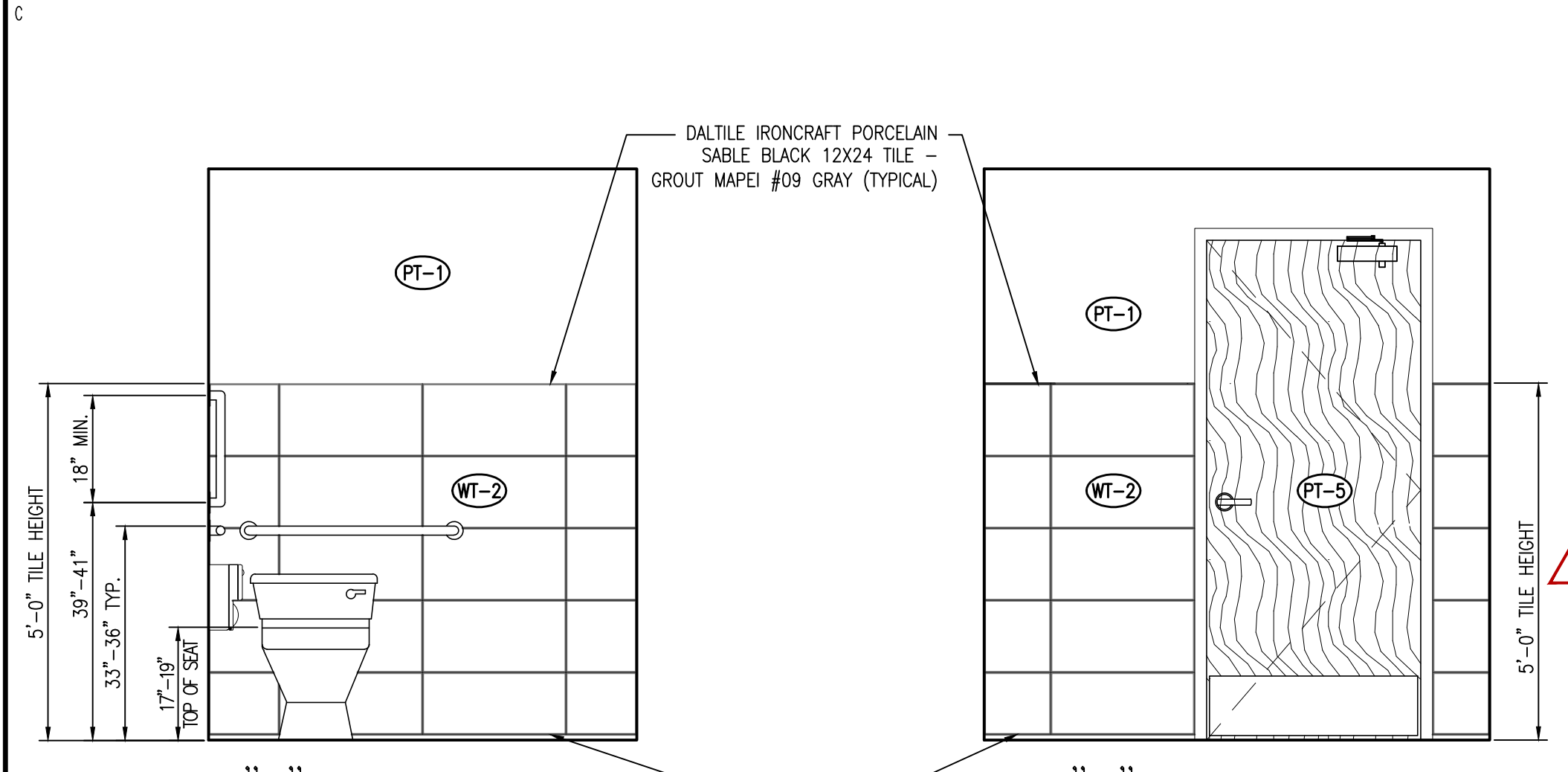
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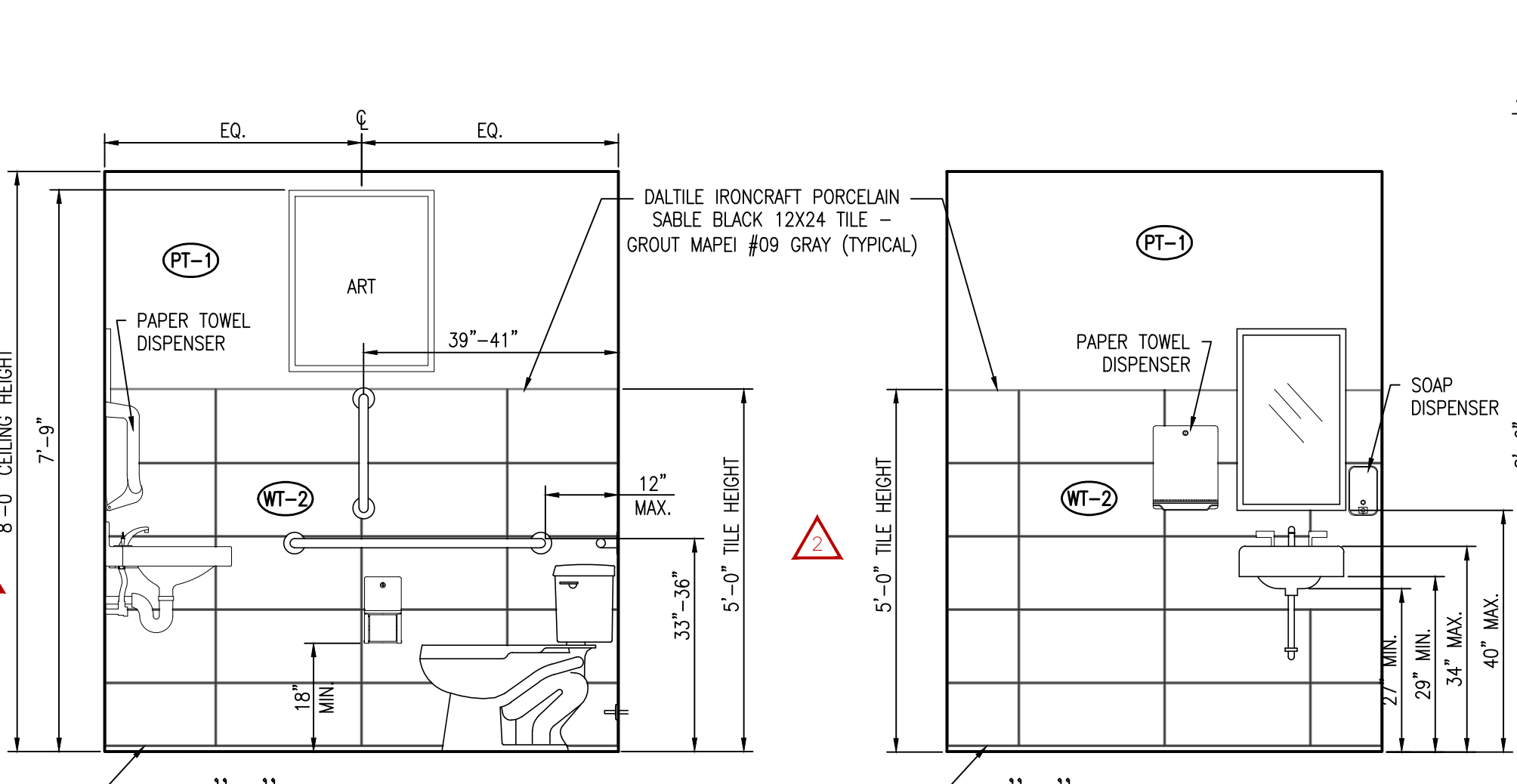
D1 SERVICE COUNTER EMPLOYEE SIDE ELEVATION
 SCALE: 1/2" : 1'-0"



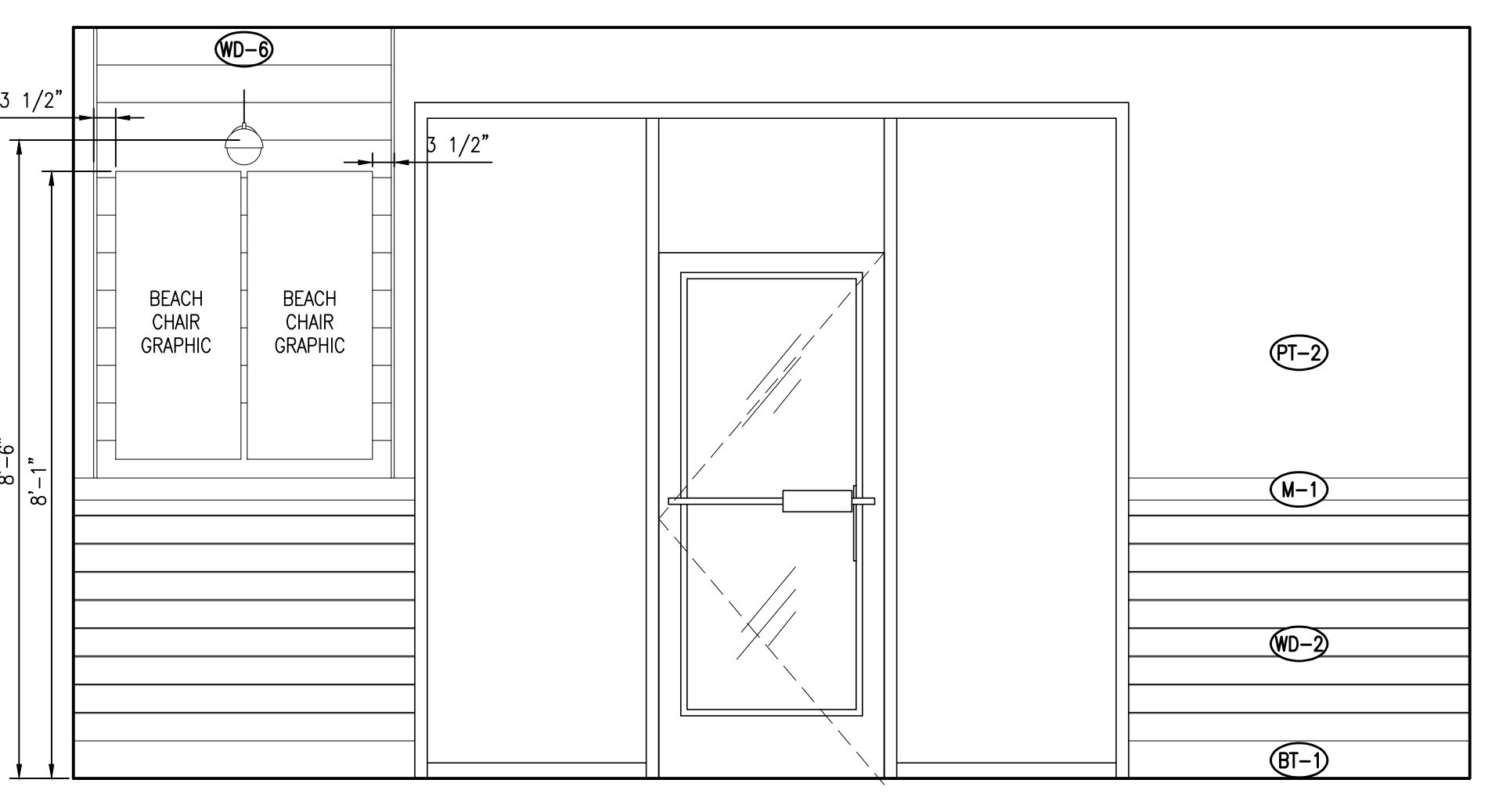
D5 DINING ROOM ELEVATION
 SCALE: 1/2" : 1'-0"



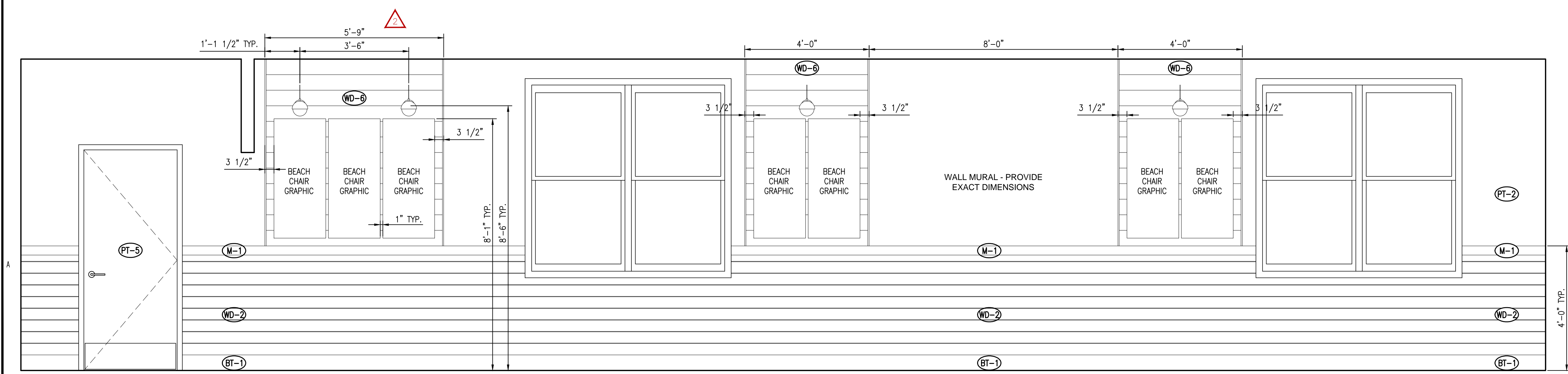
B1 MEN'S TOILET ELEVATION
 SCALE: 1/2" : 1'-0"



B1 MEN'S TOILET ELEVATION
 SCALE: 1/2" : 1'-0"



B5 DINING ROOM ELEVATION
 SCALE: 1/2" : 1'-0"

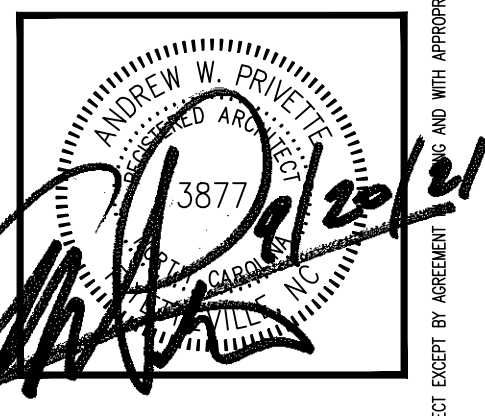


A1 DINING ROOM ELEVATION
 SCALE: 1/2" : 1'-0"

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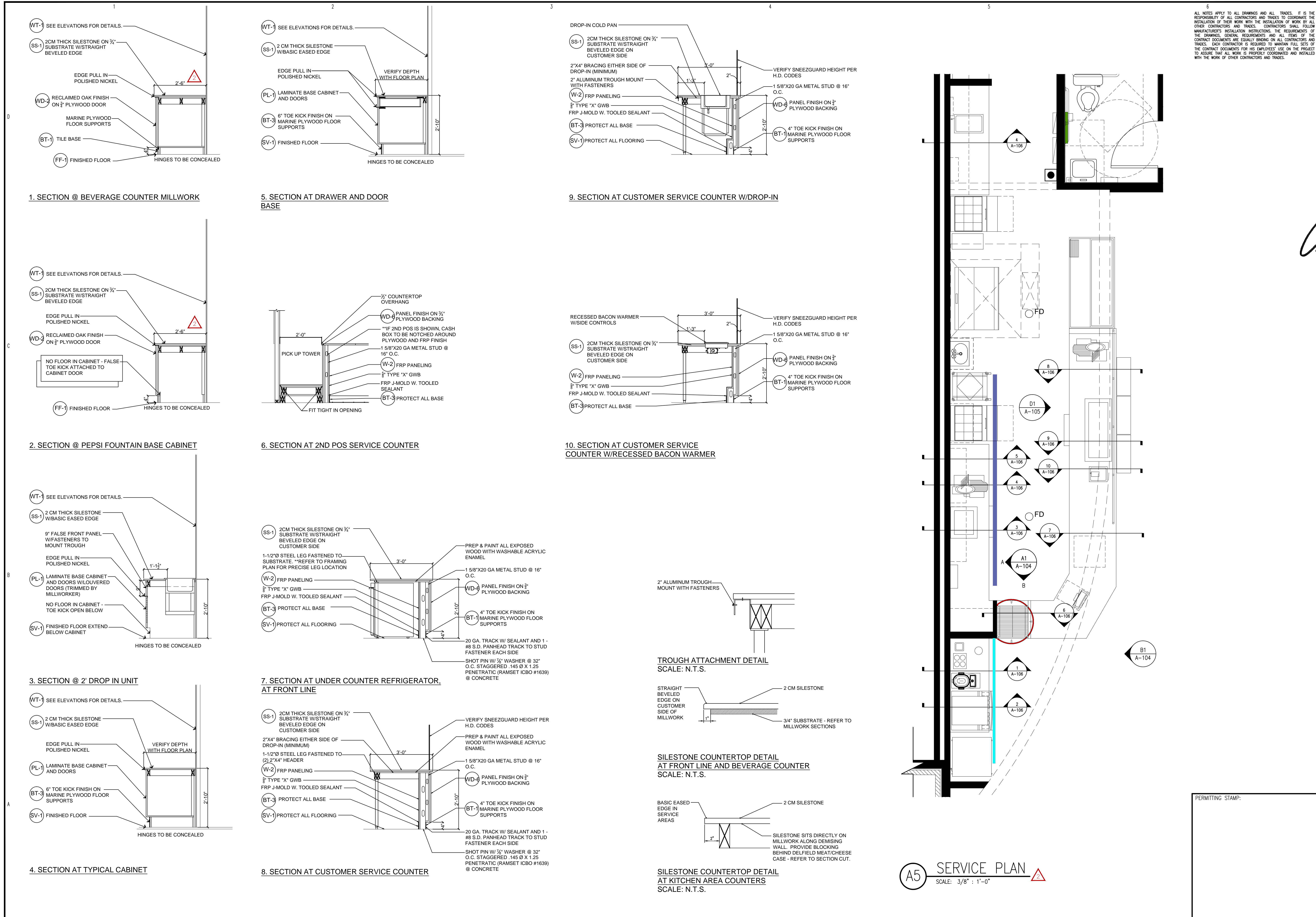
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REV. 1	12-01-2021	ISSUE SET/REVISED CHAIRS - ALL DIMS	AWP
REV. 2	12-22-21	ISSUE SET/REVISED CHAIRS - ALL DIMS	AWP
REV. 3	12-22-21	ISSUE SET/REVISED CHAIRS - ALL DIMS	AWP

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 DRAWN BY: A. PRIVETTE
 CHECKED BY: A. PRIVETTE
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SHEET TITLE:
INTERIOR ELEVATIONS
 UPDATED 12-01-2021

A-105
 SHEET 5 OF 10

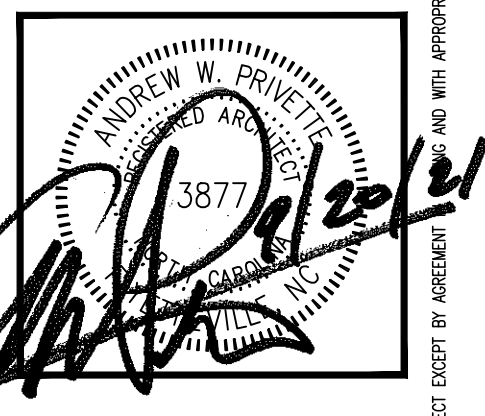
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Designed to Build
A Smarter Approach

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Jersey Mike's Subs
1624 NC 24-87 HIGHWAY
CAMERON, NORTH CAROLINA 28326

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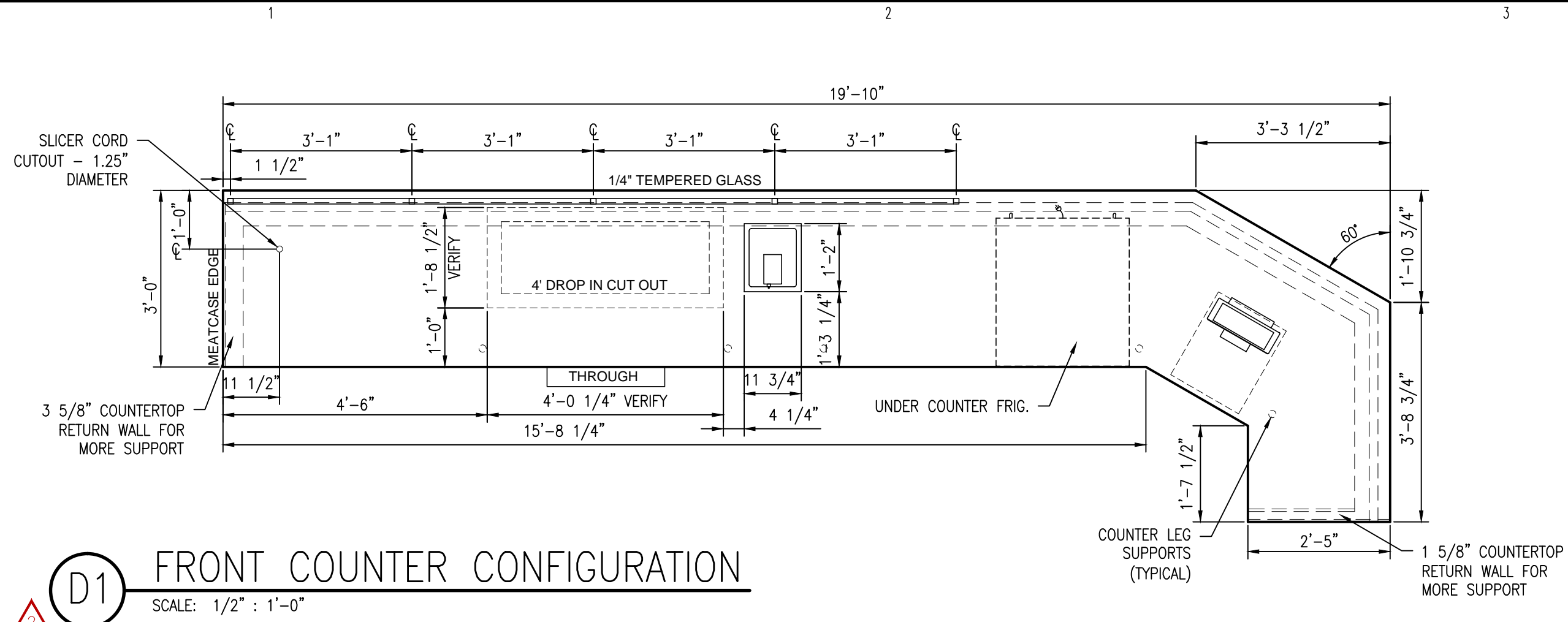
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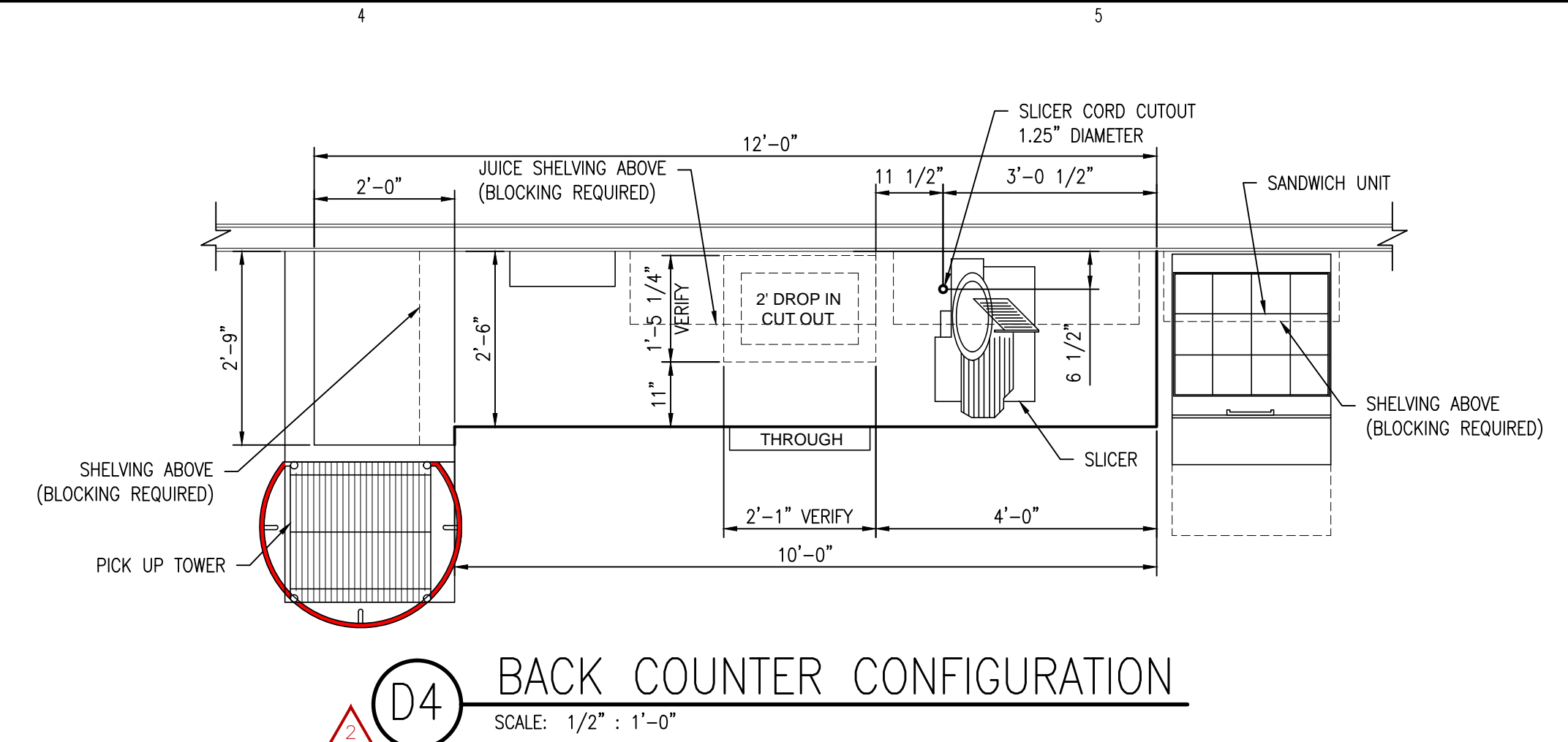
A-106
SHEET 6 OF 10

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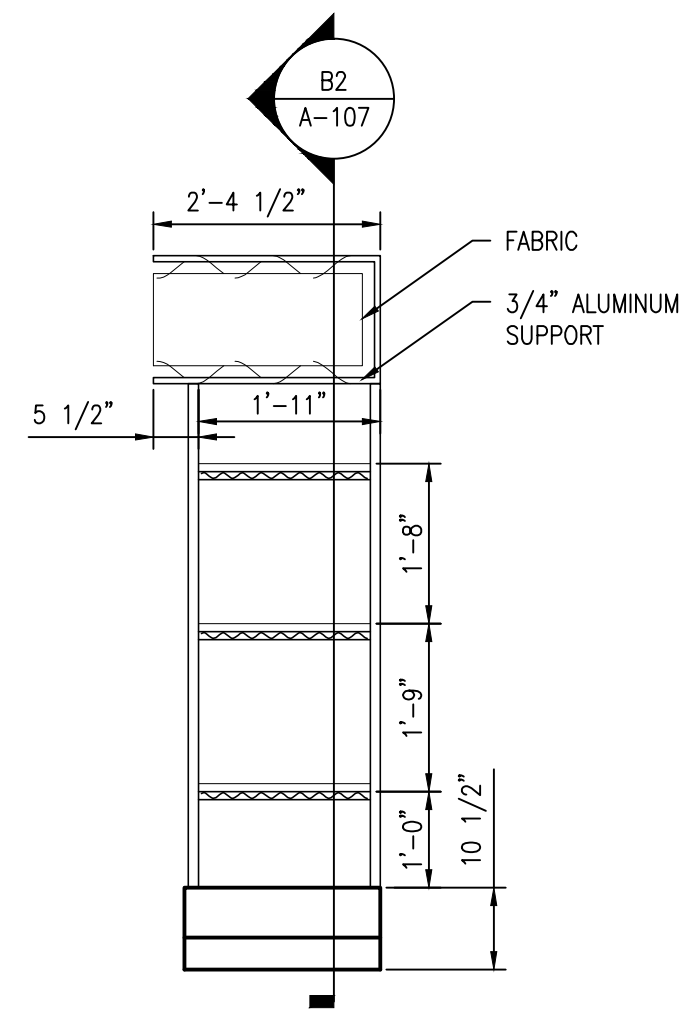
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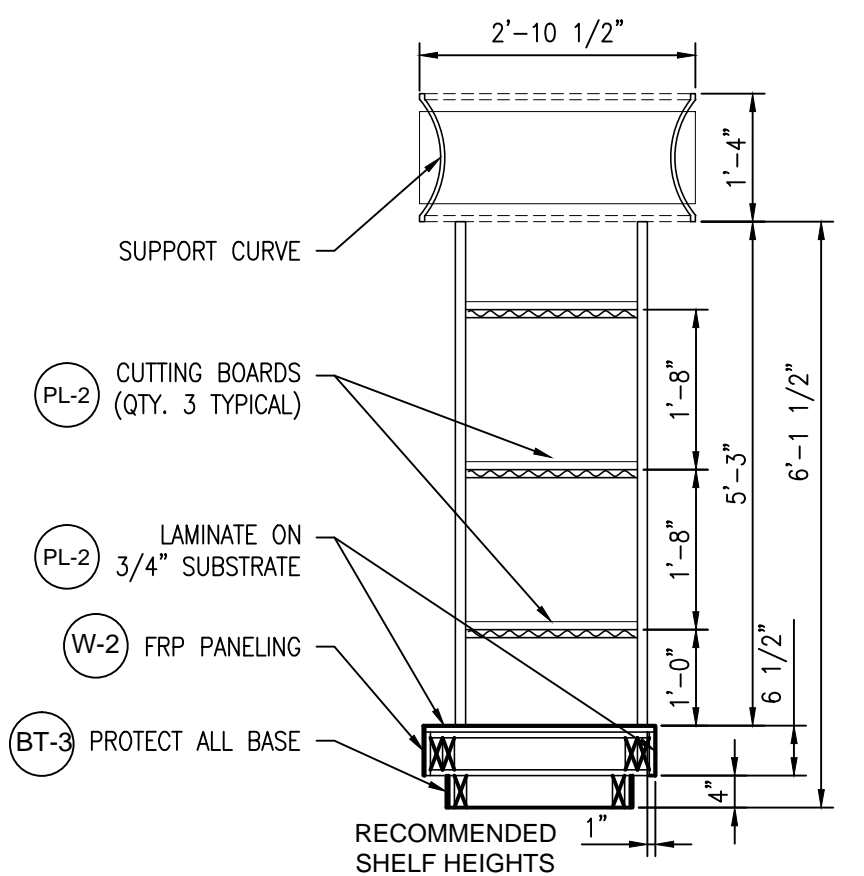
D1 FRONT COUNTER CONFIGURATION
SCALE: 1/2" : 1'-0"



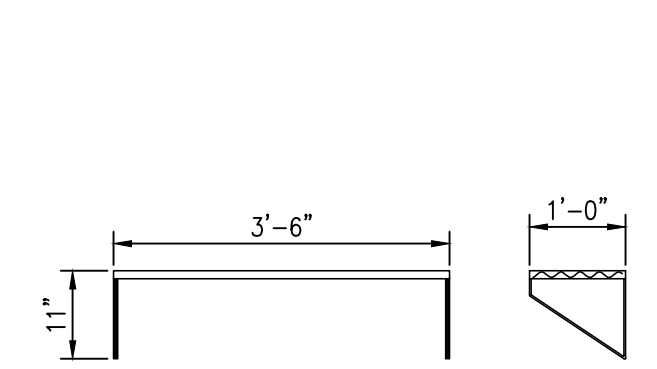
D4 BACK COUNTER CONFIGURATION
SCALE: 1/2" : 1'-0"



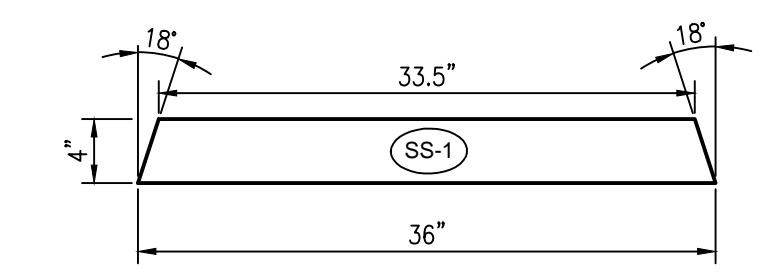
B1 PICK UP TOWER ELEVATION
SCALE: 1/2" : 1'-0"



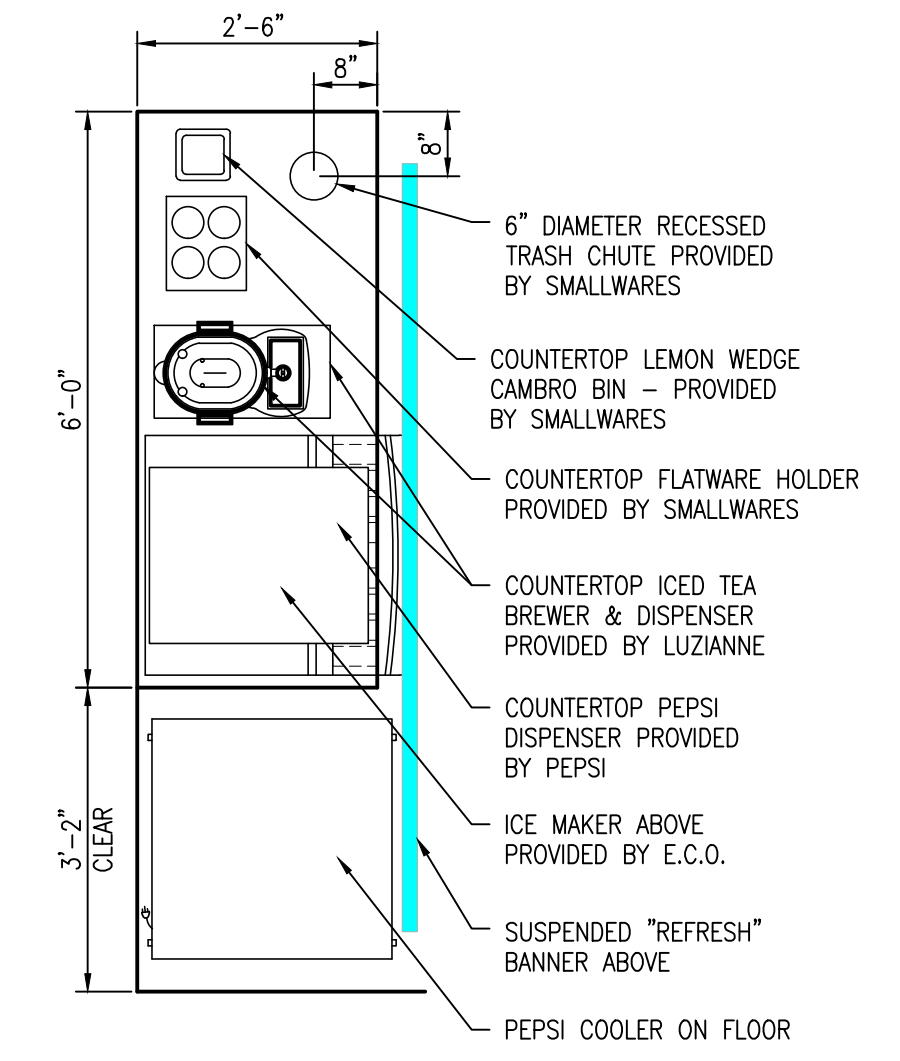
B2 PICK UP TOWER SECTION
SCALE: 1/2" : 1'-0"



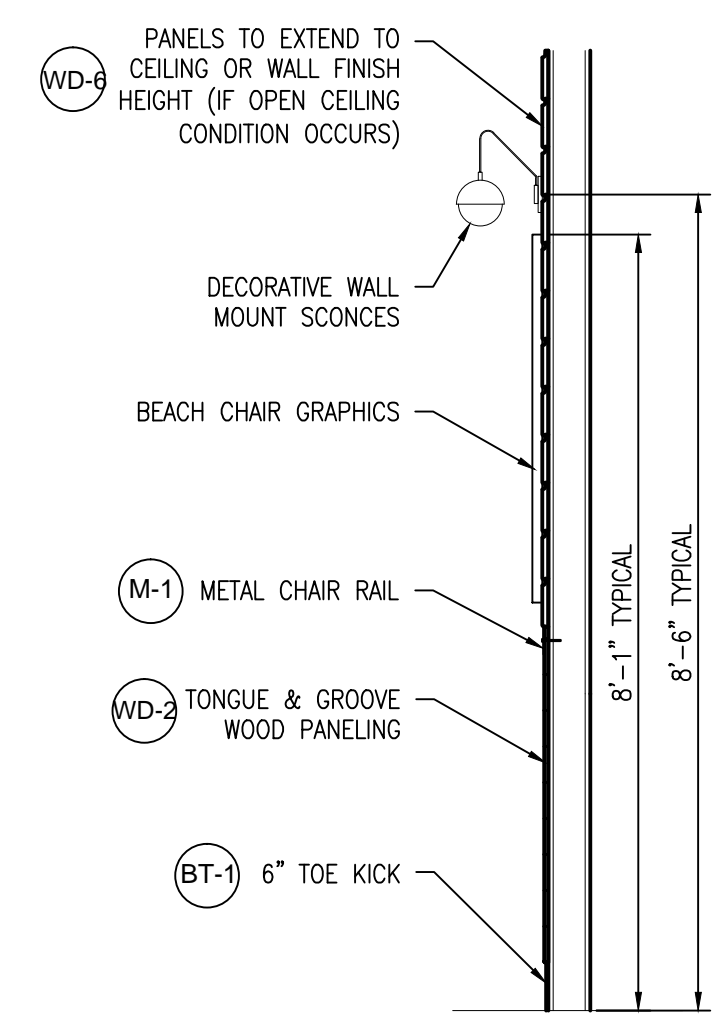
B3 JUICE BOTTLE SHELF ELEVATIONS
SCALE: 1/2" : 1'-0"



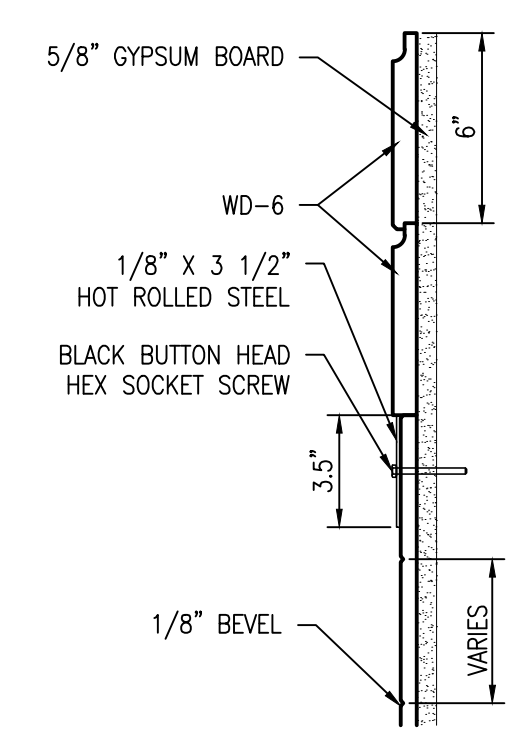
B4 SIDESPLASH ELEVATION @ MEATCASE
SCALE: 1/2" : 1'-0"



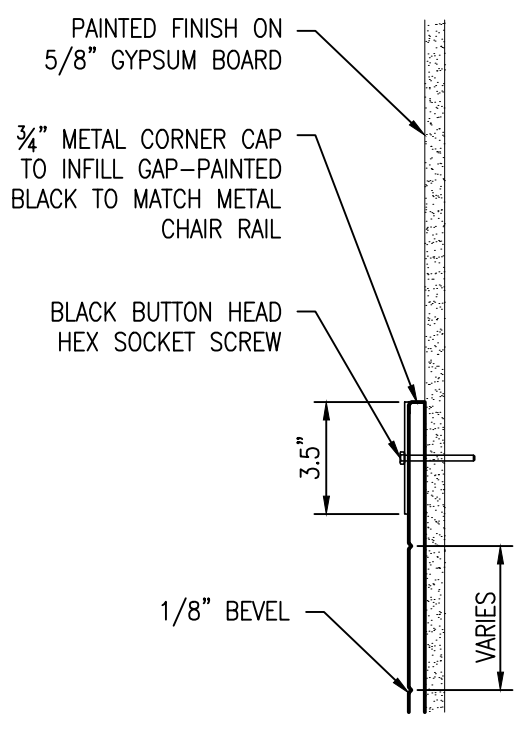
B6 BEVERAGE COUNTER PLAN
SCALE: 1/2" : 1'-0"



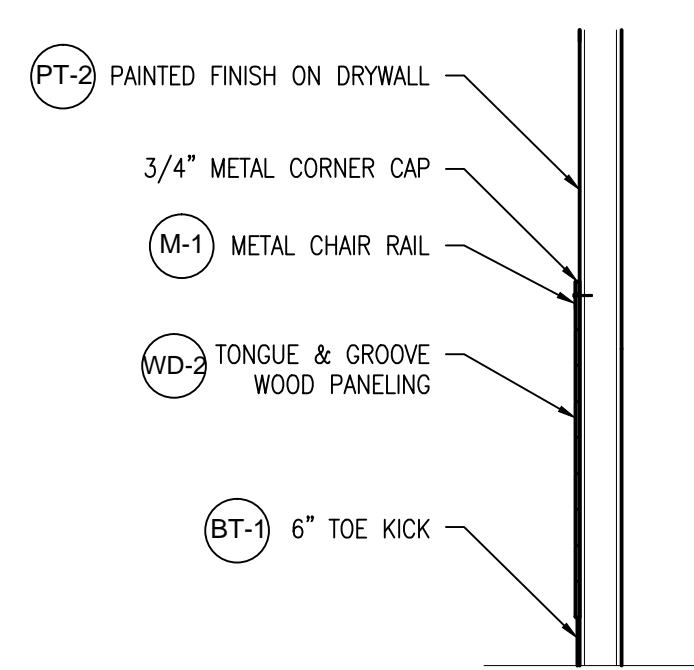
A1 SECTION AT BEACH CHAIR GRAPHICS
SCALE: 1/2" : 1'-0"



A2 HARDWARE DETAIL AT BEACH CHAIR GRAPHICS
SCALE: NOT TO SCALE



A3 HARDWARE DETAIL IN HALLWAY/DINING ROOM
SCALE: NOT TO SCALE



A4 SECTION AT HALLWAY DINING ROOM CHAIR RAIL
SCALE: 1/2" : 1'-0"

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Professional seal and signature of Andrew W. Privette, AIA, dated 12/21/21.

Jersey Mikes Subs
1624 NC 24-87 HIGHWAY
CAMERON, NORTH CAROLINA 28326

REV.	DATE	DESCRIPTION	CHK
REV. 1	12-01-21	ISSUE SET FOR PERMITTING	AWP
REV. 2	12-01-21	ISSUE SET FOR PERMITTING	AWP
REV. 3	12-01-21	ISSUE SET FOR PERMITTING	AWP

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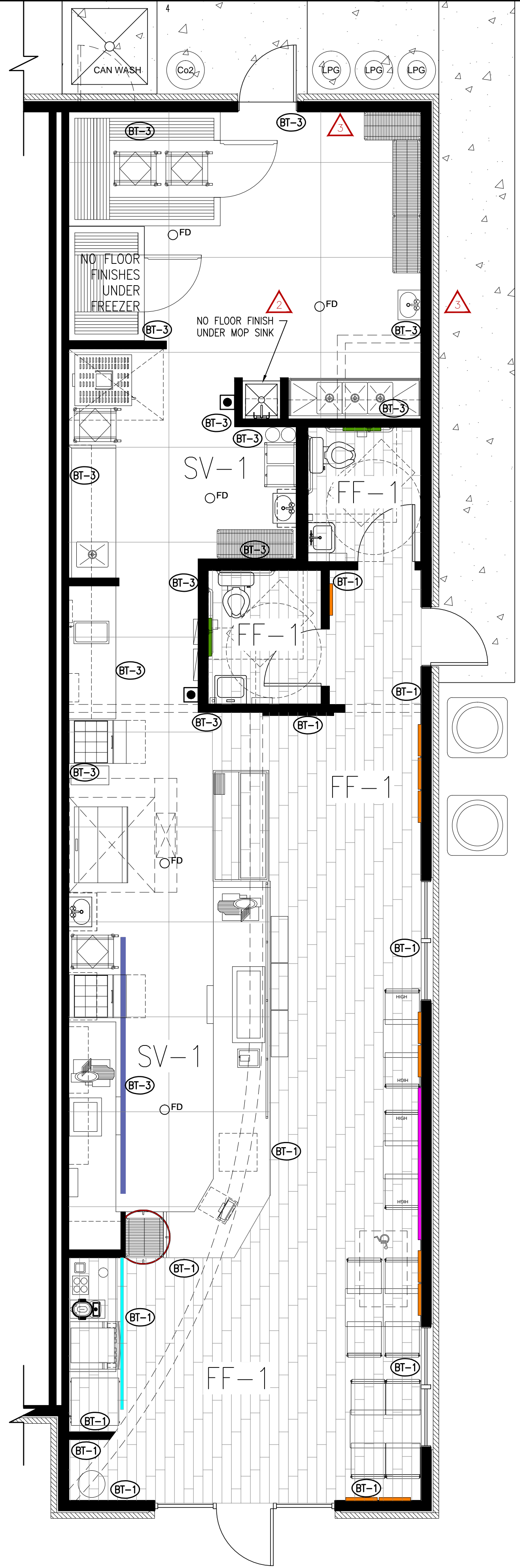
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DETAILS
UPDATED 12-01-2021

A-107
SHEET 7 OF 10

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FLOORING AND WALL BASE					
TAG	SOURCE	TYPE	DESCRIPTION	COLOR	COMMENTS
FF-1	DAL TILE	PORCELAIN TILE	6X36 JM BROWN WOOD	PART #N813 JM6361PR	CUSTOMER AREAS - DINING, RESTROOM, AND HALLWAY(S). 6"X36", 3/4" D. GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09. GROUT JOINT RECOMMENDED AT 3/16". PATTERN TO BE INSTALLED IN 6" OFFSET RUNNING.
SV-1	PROTECT ALL - DESIGNER SERIES	SHEET VINYL PANELS	60"x96" SECTIONS	GRAPHITE	BACK OF HOUSE AND KITCHEN FLOORING
BT-1	DAL TILE	PORCELAIN TILE	IRON CRAFT	SABLE BLACK IC15-UNPOLISHED	CUT FULL 12"X24" TILE (WT-2) DOWN TO 6"X12" FOR DINING ROOM WALL BASE, AND 4"X12" ON MILLWORK TOE KICK IN CUSTOMER AREAS. USE SCHLUTER DILEX-AHK (POLISHED NICKEL) WHEN COVE BASE APPLICATION IS REQUIRED. GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09
BT-3	PROTECT ALL BASE	VINYL	PER MANUFACTURER	GRAPHITE	WILL BE INSTALLED AROUND THE PERIMETER OF KITCHEN AND KITCHEN MILLWORK TOE KICK AND BACK OF HOUSE AREAS

- NOTES:
- IF INTERIOR TRANSITIONS STRIPS ARE TO BE REQUIRED, USE SCHULTER-RENO IN SATIN ANODIZED ALUMINUM.
 - FOR COVE BASE APPLICATION IN THE RESTROOM(S), USE SCHLUTER DILEX-AHK (POLISHED NICKEL) BELOW FULL WT-2 TILES. NO CUT TILE IS REQUIRED. REFER TO ELEVATIONS.

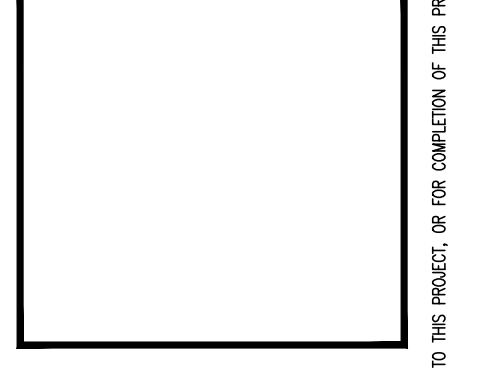


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Professional seal and signature of Andrew W. Privette, AIA, dated 1/25/22.



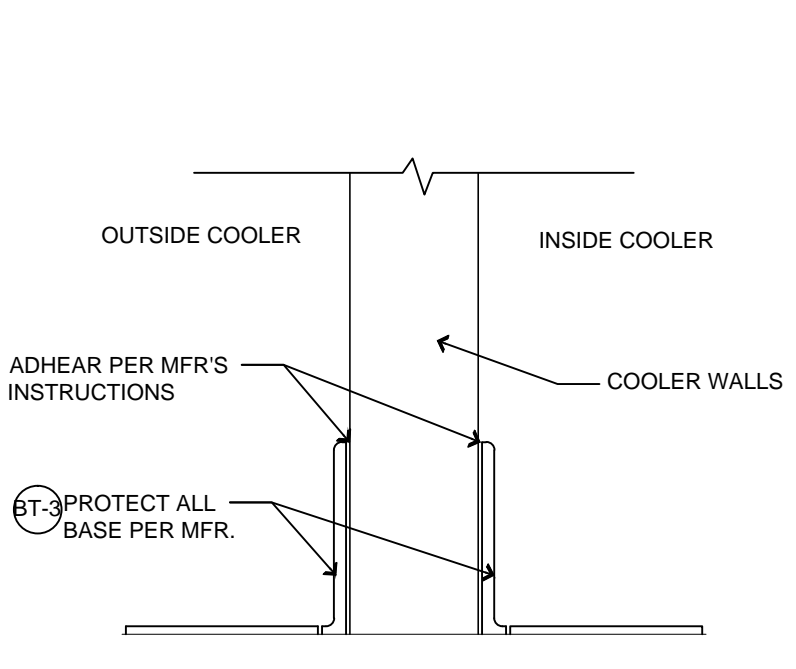
Jersey Mikes Subs
1624 NC 24-87 HIGHWAY
CAMERON, NORTH CAROLINA 28326

NO.	DATE	DESCRIPTION	CHK
REV. 1	1-25-2022	CHGS PER HEALTH ROOM COMMENT 11/10/21	JWP
REV. 2	1-25-2022	CHGS PER HEALTH ROOM COMMENT 11/10/21	JWP
REV. 3	1-25-2022	CHGS PER HEALTH ROOM COMMENT 11/10/21	JWP
REV. 4	1-25-2022	CHGS PER HEALTH ROOM COMMENT 11/10/21	JWP
REV. 5	1-25-2022	CHGS PER HEALTH ROOM COMMENT 11/10/21	JWP

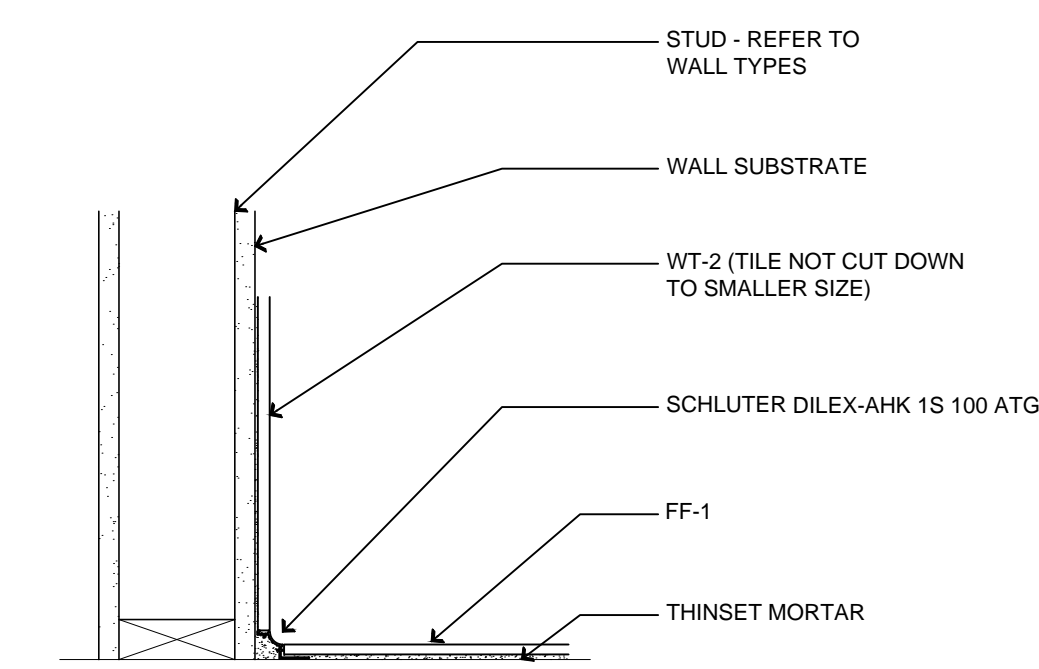
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FLOORING INFORMATION
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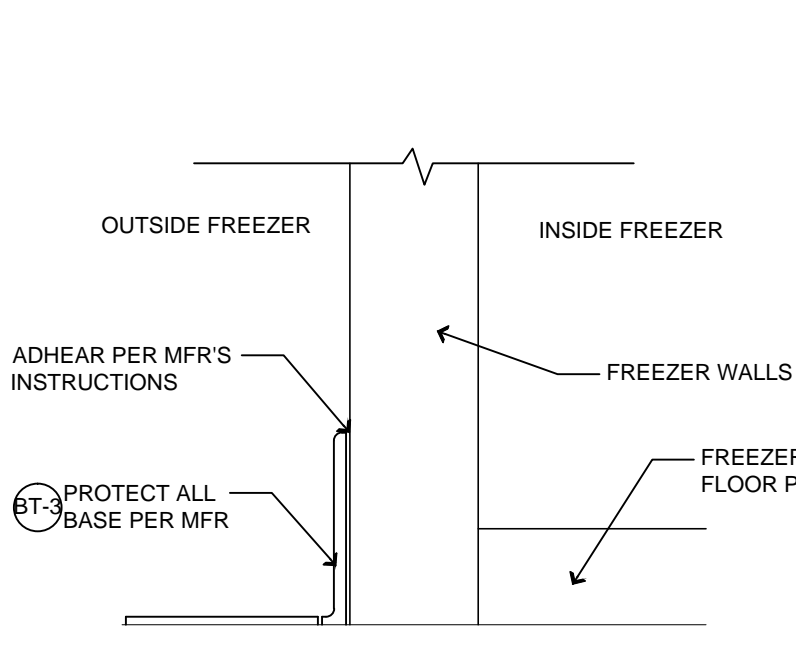
A-108
SHEET 8 OF 10



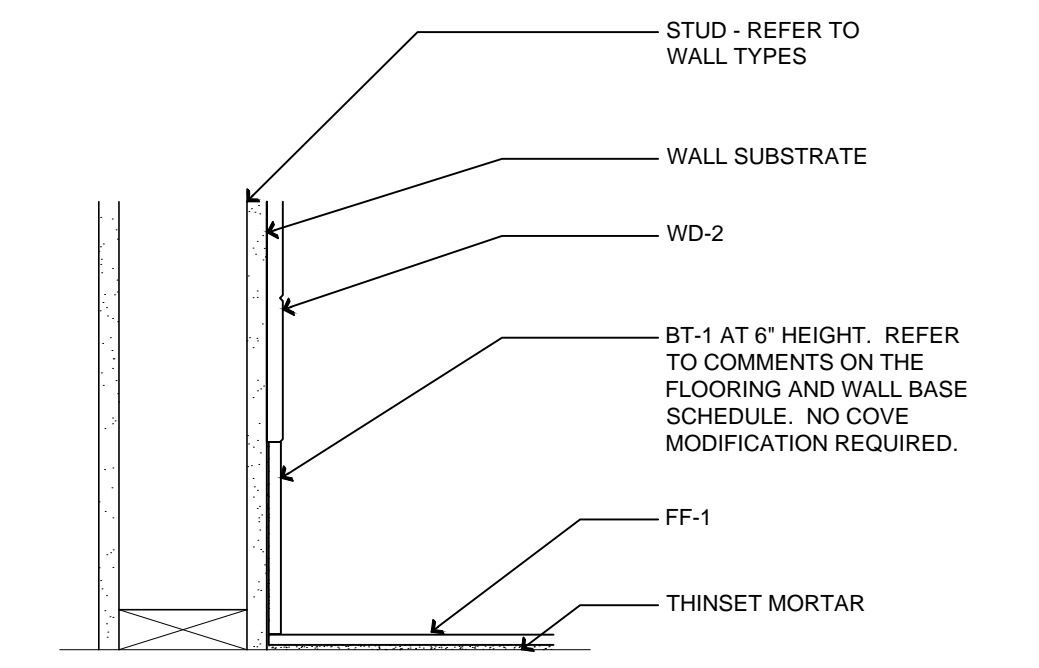
PROTECT ALL BASE @ WALK-IN COOLER
SCALE: N.T.S.



COVE PROFILE IN RESTROOM(S)
SCALE: N.T.S.



PROTECT ALL BASE @ WALK-IN FREEZER
SCALE: N.T.S.



WALL BASE PROFILE IN DINING ROOM
SCALE: N.T.S.

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

- JERSEY MIKE'S FRANCHISE ITEMS**
- A. MENU BOARD
 - B. JUICE WALL DECAL
 - C. BEACH CHAIRS
 - D. "REFRESH" BANNER
 - E. "PICK UP HERE" BANNER
 - F. SOFFIT MURAL
 - G. "GRILLED FRESH" GRAPHIC
 - H. VESTIBULE/HALLWAY ART
 - I. RESTROOM ART
 - J. SURFBOARD
 - K. WALL MURAL

COUNTER FINISHES					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
SS-1	COUNTERTOP	CONSENTINO	SILESTONE - ETERNAL SERIES 2 CM	CHARCOAL SOAPSTONE - SUEDE	COUNTERTOP FINISH FOR ALL MILLWORK

WOOD					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
WD-1	WAINSCOT	GC	1"X SHIPLAP, D. FIR NO2 (STANDARD) GRADE, SMOOTH FINISH.	PAINTED PT-1	ON THE CUSTOMER SIDE OF THE FRONT LINE SOFFIT.
WD-2	WAINSCOT	FIVE KIDS GROUP, INC	ENGINEERED WHITE OAK PANELING	WHITE OAK	ACCENT WALL (PER PLAN). BOTTOM OF CHAIR RAIL IN DINING ROOM AND VESTIBULE. BEVERAGE COUNTER MILLWORK DOORS. BANQUETTE BACK AND SEAT. USE SCHULTER JOLLY (POLISHED NICKEL) FOR WALL EDGING, WHEN REQUIRED.
WD-3	BAR COUNTER	FIVE KIDS GROUP, INC	TEAK		GC TO ORDER FROM FIVE KIDS GROUP. TABLETOP TO MATCH DINING ROOM TABLE TOPS
WD-4	FURNITURE BASE	GC		PAINTED PT-1	CONSTRUCTION OF DINING ROOM FURNITURE - COMMUNITY TABLE, BANQUETTE, AND BAR COUNTER
WD-5	HARDWOOD CAP	GC	3/4" HARDWOOD	PAINTED PT-6	FOR LOW WALL CAP AND WINDOW SILLS, WHEN CONDITION(S) OCCUR. ALLOW 1/2" OVERHANG.
WD-6	WAINSCOT PANEL	MARLITE	ITEM #206916. 23 3/4" X 96" X 1/2" PANEL	BY MANUFACTURER - PNL 9099	BEHIND BEACH CHAIR GRAPHICS IN DINING ROOM - REFER TO ELEVATIONS. FACE OF COUNTER ON THE FRONT LINE.

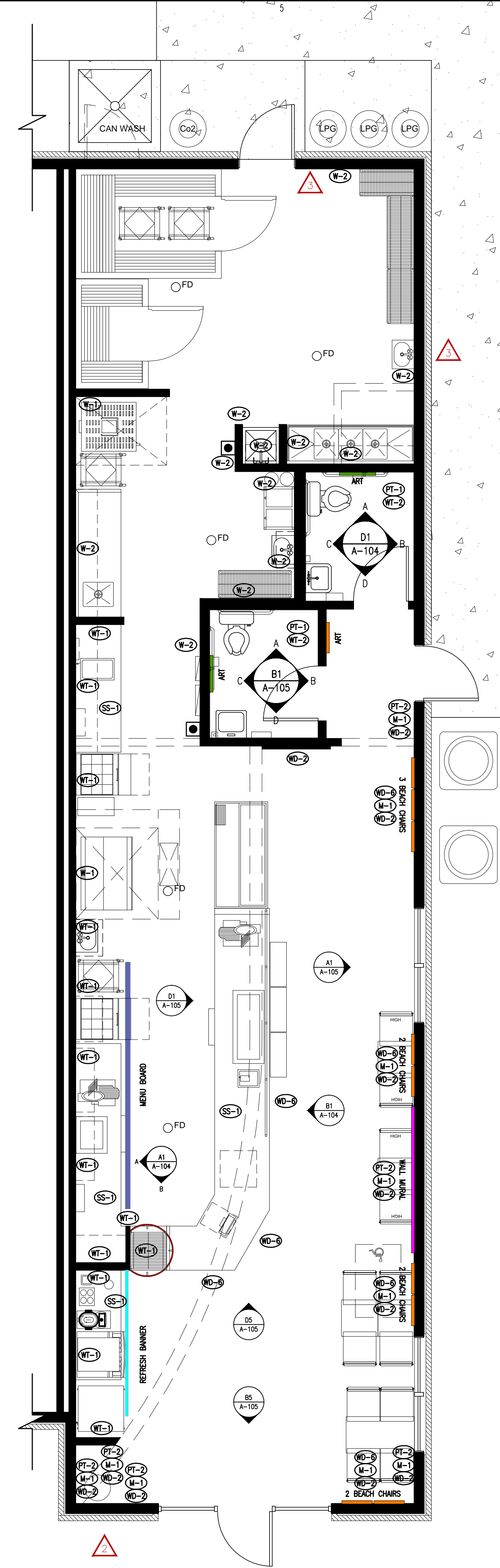
WALL FINISHES					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
W-1	STAINLESS STEEL WAINSCOT	CAPTIVE AIRE	BRUSHED S/S 20 GAUGE FROM TOP OF Q.T. BASE		FULL HEIGHT TO HOOD, BEHIND GRILL AND BREAD OVEN AREA
W-2	FRP WALL PANELING	MARLITE		WHITE	BACK KITCHEN FOOD PREP AREA

LAMINATES					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
PL-1	MILLWORK	WILSONART	STEEL MESH	FINE VELVET FINISH 4879-38	MILLWORK BEHIND THE SERVICE LINE AND BACK KITCHEN. USE PVC EDGE BANDING.
PL-2	CUTTING BOARDS	WILSONART	NATURAL RECON	FINE VELVET FINISH 7996-38	21"X 21" X 1" CUTTING BOARDS FOR PICK UP TOWER - QTY 4. PEDESTAL BASE FOR PICK UP TOWER.

PAINT					
TAG	SURFACE	MANUFACTURER	PRODUCT	COLOR	COMMENTS
PT-1	SHIP LAP, SOFFIT, AND RESTROOM CEILINGS	BENJAMIN MOORE	OC-130	CLOUD WHITE, SATIN	CUSTOMER AREA SHIPLAP (AND SHIPLAP TRIM), FRONT LINE SOFFIT, AND RESTROOM WALLS (ABOVE TILE)
PT-2	3/4" GWP PAINTED	BENJAMIN MOORE	1613	SILENT NIGHT, SATIN	DINING ROOM AND HALLWAY WALLS ABOVE CHAIR RAIL.
PT-3	DOOR FRAME. WHEN OPEN CEILING - UPPER DINING ROOM WALLS AND DINING ROOM CEILING.	BENJAMIN MOORE	1615	ROCK GRAY, SATIN	DOOR FRAME. IN OPEN CEILING CONDITION, EVERYTHING ABOVE 12'AFF IN DINING ROOM
PT-4					
PT-5	INTERIOR DOORS	MINWAX	WOOD FINISH PENETRATING STAIN	WEATHERED OAK 270	FINISH WITH CLEAR TOP COAT
PT-6	LOW WALL/SILL CAP	BENJAMIN MOORE	#2132-10	BLACK, EGGSHELL OR SEMI GLOSS	LOW WALL CAP AND WINDOW SILL FINISH.

WALL TILE					
TAG	SURFACE	MANUFACTURER	PRODUCT	COLOR	COMMENTS
WT-1	CERAMIC TILE	DAL TILE	2X8 MOD JM BLUE	PART#: N519 JM28MOD1P2. GROUT: MAPEI ULTRACOLOR PLUS FA - IRON 107	BACK SPLASH TILE IN KITCHEN AND BEVERAGE COUNTER. RUNNING BOND. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING. WALL TILE EXTENDS TO CEILING TILES IN FRONT KITCHEN AREA, BEHIND THE PICK UP TOWER, AND ABOVE ALL BEVERAGE COUNTER WALLS (TYP 10'AFF).
WT-2	CERAMIC TILE	DAL TILE	IRONCRAFT	SABLE BLACK IC15-UNPOLISHED - 12"X24". GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09	BATHROOM BOTTOM WALL TILE. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING

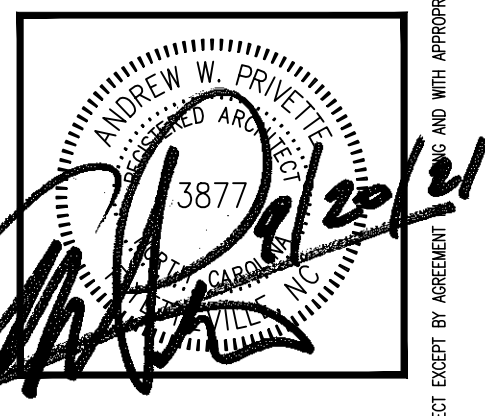
METAL					
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
M-1	CHAIR RAIL	GC	3/8"X3/8" HOT ROLLED STEEL	PAINTED IN BLACK SEMI-GLOSS	DINING ROOM CHAIR RAIL, WITH BUTTON HEAD HEX SOCKET SCREW



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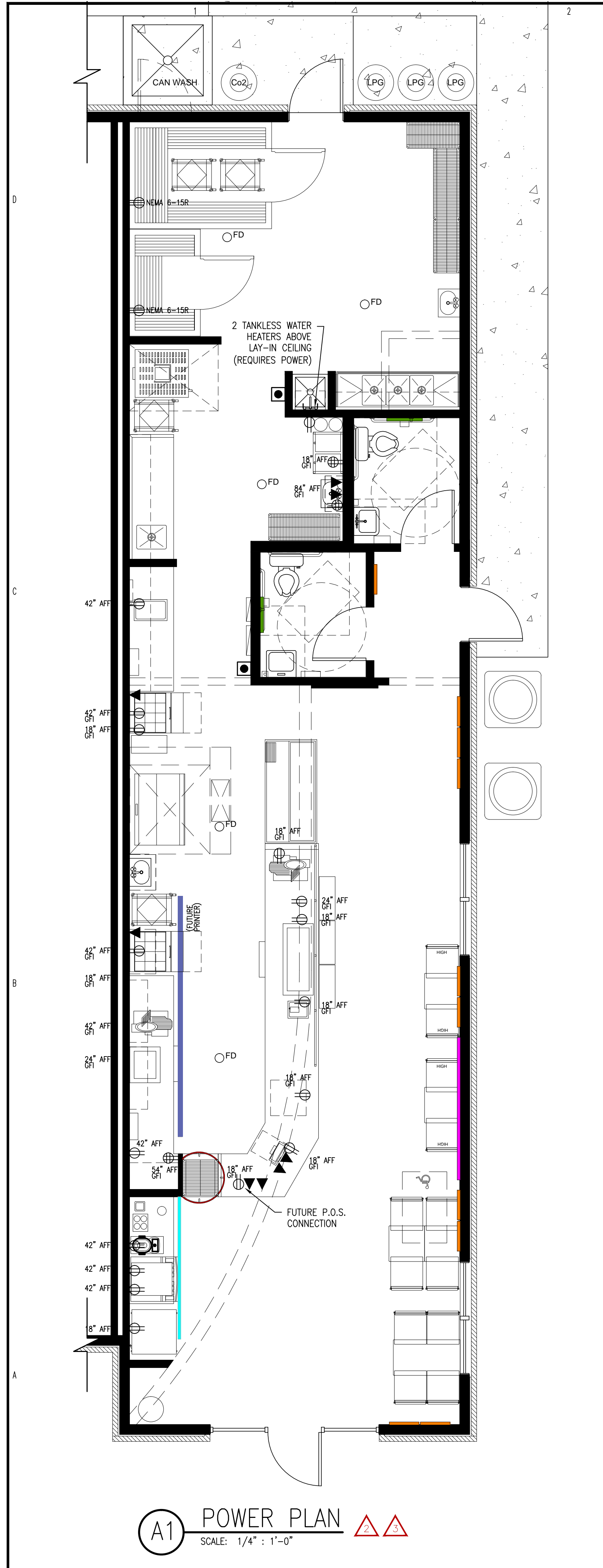
NO.	DATE	DESCRIPTION	CHKD.
REV. 1	1-25-22	CHGS PER HEALTH DEPARTMENT 11/2022	JAM
REV. 2	1-25-22	UPDR BEHIND COUNTER DOGS ALL WINGS	JAM
REV. 3	1-25-22	UPDR BEHIND COUNTER DOGS ALL WINGS	JAM
REV. 4	1-25-22	UPDR BEHIND COUNTER DOGS ALL WINGS	JAM

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FINISH SCHEDULE & INFO
UPDATED 1-25-2022

A-109
SHEET 9 OF 10

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daltile
IMAGINE WHAT'S POSSIBLE™

JM Brown Wood 6x36
SKU# N813JM361PR
Price: \$2.29 SF
Location: Front of House & Restroom Floor
Grout: Mapei #09 Gray

JM Blue 2x8
SKU# N519JM28MOD1P2
Price: \$3.20 SF
Location: Back of House Wall & Beverage
Grout: Mapei #107 Iron
Notes: Running Bond Pattern. For edging, use Schluter Jolly (ATG).

Please note: Images above display the graphic design for the custom tile detailed in this document. Samples of actual materials are available upon request.

daltile
IMAGINE WHAT'S POSSIBLE™

Ironcraft Sable Black 12x24
SKU# IC1512241pk
Price: \$3.28 SF
Location: Restroom Wall & Cove Base
Grout: Mapei #09 Gray
Notes: Cut 12x24 down to 6x12 for dining room wall base, and cut to 4x12 for millwork toe kick in customer areas.
For Restroom cove base, use Schluter Dilex AHK1S10ATG

Black Paver 6x6
SKU# OQ74661PB
Price: \$1.87 SF
Location: Back of House Floor
Grout: Mapei #10 Black

Please note: Images above display the graphic design for the custom tile detailed in this document. Samples of actual materials are available upon request.

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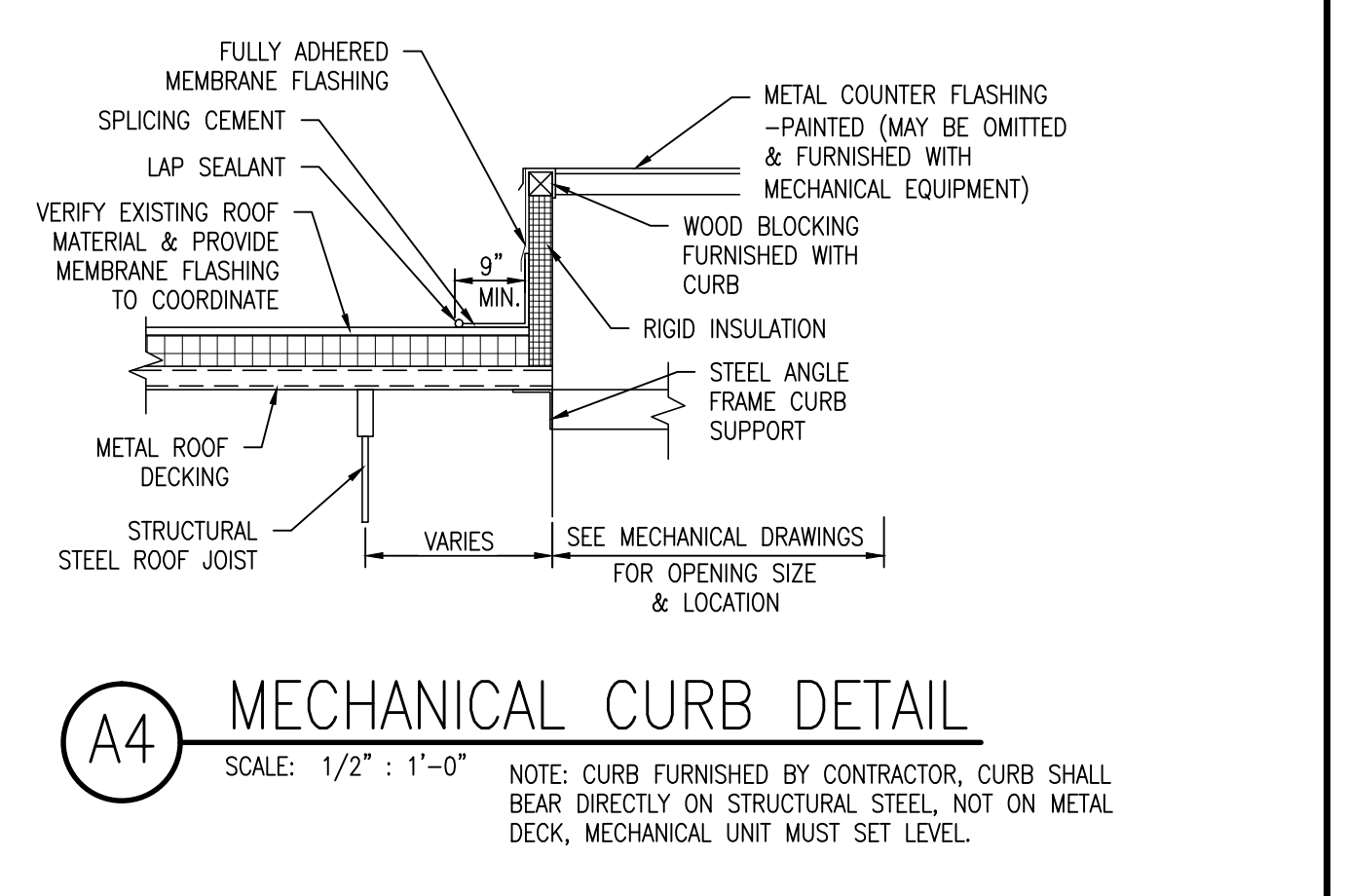
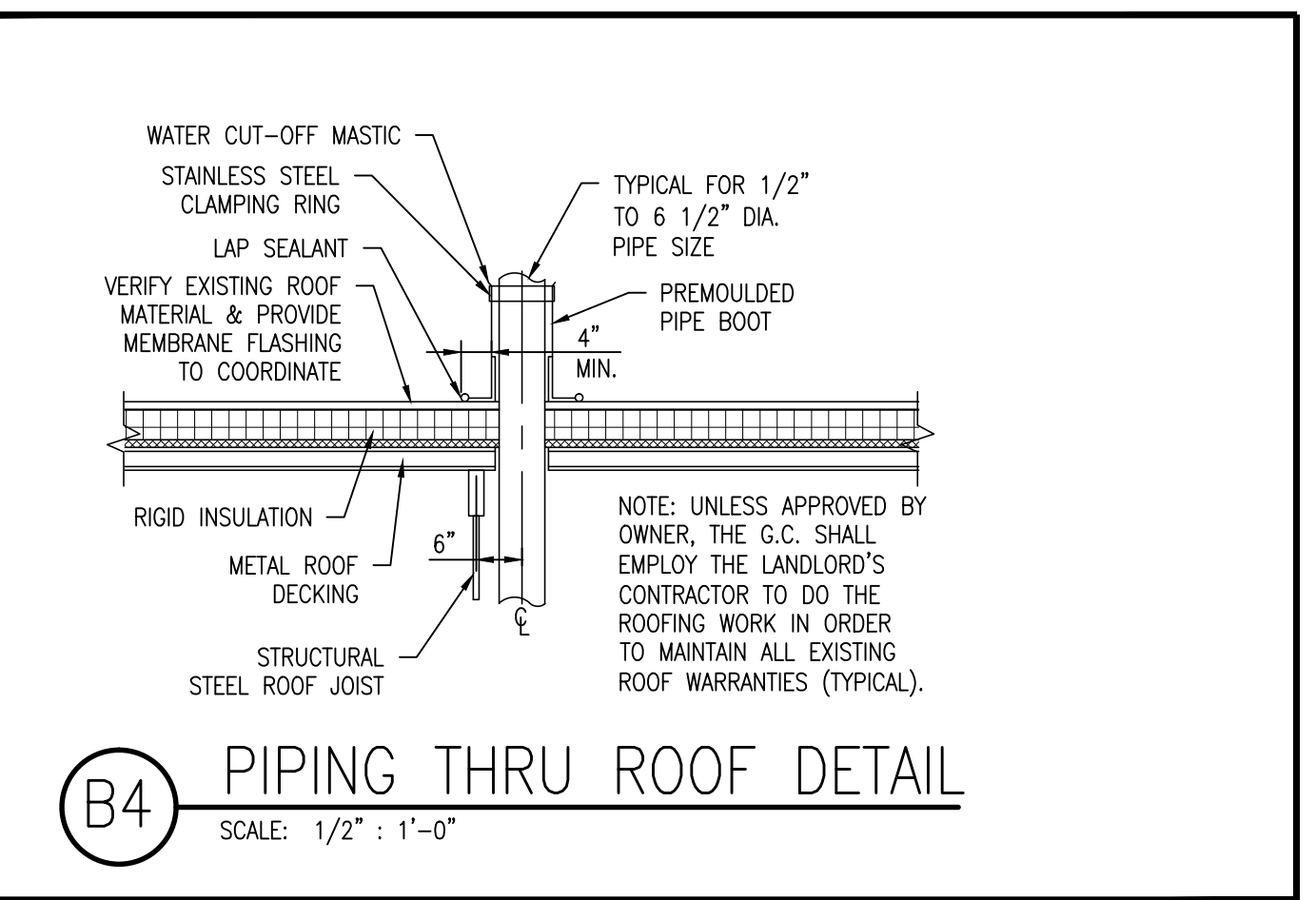
Recommended Setting Materials

ECO Prim Grip
ECO Prim Grip is a ready-to-use, low-VOC, synthetic resin-based primer with bond-promoting silica aggregates suspended in dispersion. It enhances the performance and adhesion of mortars to existing ceramics and difficult-to-bond-to substrates. Plus, it improves bonding of self-leveling underlaments (SLUs) and bonds of render coats over cementitious substrates. Suitable for a wide variety of substrates. ECO Prim Grip combines excellent versatility with an easy, low-odor application.
3.5 Gal Pail Price: \$110.91 EA

Ultraflex LFT
Ultraflex LFT is a premium, non-sag, large-and-heavy-tile mortar (formerly known as "medium-bed mortar") and thin-set mortar designed for large-format and heavy tile and stone for interior/exterior floor, wall and counter-top installations. This mortar has a high content of unique dry polymer, resulting in excellent adhesion to the substrate and tile. It is formulated with Easy-Glide Technology™ for ease of application.
Gray 50# Bag Price: \$19.12 EA
White 50# Bag Price: \$20.76 EA

GROUT OPTION #1
Ultracolor Plus FA with DropShield™ technology
is an ultra premium, fine aggregate, fast-setting, polymer-modified, color-consistent, non-staining, efflorescence-free grout for joint widths from 1/16" to 3/4" (1.5 to 19 mm).
25 LB BAG PRICE: \$22.43 EA

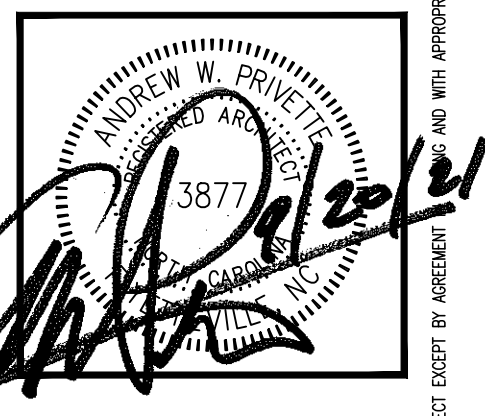
GROUT OPTION #2 (PREMIUM)
MAPEI Flexcolor CQ is a professional-grade, ready-to-use specialty grout for precision commercial and residential installations with porcelain, ceramic and natural-stone tile. MAPEI Flexcolor CQ can be used to grout interior/ exterior tile, and its dense composition helps to prevent water-based stains by providing water repellency to the grout surface. MAPEI Flexcolor CQ is formulated with the latest innovation in quartz aggregate, which ensures color consistency, ease of cleanability and improved workability.
1 Gallon Price \$42.07 EA
2 Gallon Price \$75.95 EA



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Designed to Build
A Smart Approach

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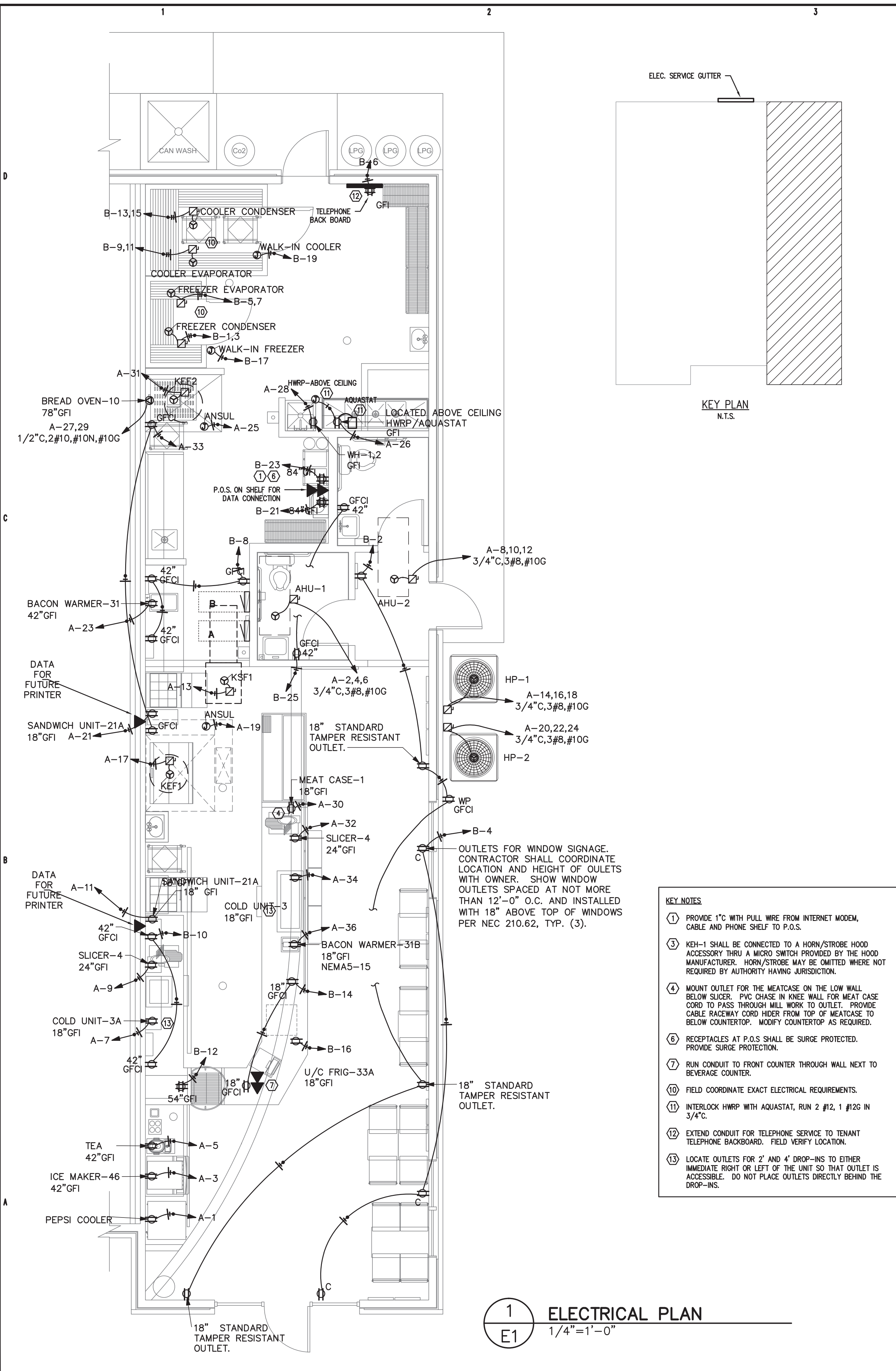
NO.	DATE	DESCRIPTION	CHKD.
REV. 1	1-25-2022	CHGS PER HEALTH DEPARTMENT 11/2021	JAW
REV. 2	1-25-2022	CHGS PER HEALTH DEPARTMENT 11/2021	JAW
REV. 3	1-25-2022	CHGS PER HEALTH DEPARTMENT 11/2021	JAW
REV. 4	1-25-2022	CHGS PER HEALTH DEPARTMENT 11/2021	JAW

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SHEET TITLE:
NOTES-DETAILS & SPECIFICATIONS
UPDATED 1-25-2022

A-110
SHEET 10 OF 10

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER. ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.



1
E1
ELECTRICAL PLAN
1/4"=1'-0"

- KEY NOTES**
1. PROVIDE 1" C. WITH PULL WIRE FROM INTERNET MODEM, CABLE AND PHONE SHELF TO P.O.S.
 2. KEH-1 SHALL BE CONNECTED TO A HORN/STROBE HOOD ACCESSORY THRU A MICRO SWITCH PROVIDED BY THE HOOD MANUFACTURER. HORN/STROBE MAY BE OMITTED WHERE NOT REQUIRED BY AUTHORITY HAVING JURISDICTION.
 3. MOUNT OUTLET FOR THE MEATCASE ON THE LOW WALL BELOW SLICER. PVC CHASE IN KNEE WALL FOR MEAT CASE CORD TO PASS THROUGH MILL WORK TO OUTLET. PROVIDE CABLE RACEWAY CORD HIDER FROM TOP OF MEATCASE TO BELOW COUNTERTOP. MODIFY COUNTERTOP AS REQUIRED.
 4. RECEPTACLES AT P.O.S. SHALL BE SURGE PROTECTED. PROVIDE SURGE PROTECTION.
 5. RUN CONDUIT TO FRONT COUNTER THROUGH WALL NEXT TO BEVERAGE COUNTER.
 6. FIELD COORDINATE EXACT ELECTRICAL REQUIREMENTS.
 7. INTERLOCK HWRP WITH AQUASTAT, RUN 2 #12, 1 #12G IN 3/4" C.
 8. EXTEND CONDUIT FOR TELEPHONE SERVICE TO TENANT TELEPHONE BACKBOARD. FIELD VERIFY LOCATION.
 9. LOCATE OUTLETS FOR 2" AND 4" DROP-INS TO EITHER IMMEDIATE RIGHT OR LEFT OF THE UNIT SO THAT OUTLET IS ACCESSIBLE. DO NOT PLACE OUTLETS DIRECTLY BEHIND THE DROP-INS.

A

ROOM MOUNTING	FLUSH	FED FROM	VOLTS 208Y/120V 3P 4W	BUS AMPS 200	NEUTRAL 100%	AIC 22,000	MAIN BKR MLO	LUGS STANDARD
NOTE								
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	
1	20/1	0.6	PEPSI COOLER	a 2	35/3	12.2	AHU-1	
3	20/1	0.8	ICE MAKER-46	b 4				
5	20/1	1.73	TEA	c 6				
7	20/1	0.9	COLD UNIT-3A	a 8	35/3	12.2	AHU-2	
9	20/1	0.864	SLICER-4	b 10				
11	20/1	0.6	SANDWICH UNIT-21A	c 12				
13	20/1	1.92	* KSF1	a 14	35/3	7.57	HP-1	
15	20/1	0	SHUNT TRIP BREAKER	b 16				
17	20/1	1.18	KEF1	c 18				
19	20/1	0.3	ANSUL	a 20	35/3	7.57	HP-2	
21	20/1	0.6	SANDWICH UNIT-21A	b 22				
23	20/1	0.42	BACON WARMER-31	c 24				
25	20/1	0.3	ANSUL	a 26	20/1	0.06	HWRP/AQUASTAT	
27	30/2	6.03	BREAD OVEN-10	b 28	20/1	0.16	WH-1,2	
29				c 30	20/1	1.04	MEAT CASE-1	
31	20/1	0.864	KEF2	a 32	20/1	0.864	SLICER-4	
33	20/1	0.36	(*)HOOD RECEPTACLE	b 34	20/1	0.9	COLD UNIT-3	
35	20/1	0	SHUNT TRIP BREAKER	c 36	20/1	0.42	BACON WARMER-31B	
37	20/1	0	SPACE	a 38	100/3	15.5	PANEL B	
39	20/1	0	SPACE	b 40				
41	20/1	0	SPACE	c 42				

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	3.45	4.31	(125%)	RECEPTACLES	4.86
LARGEST MOTOR	7.57	1.89	(25%)	NONCONTINUOUS	22.3
MOTORS	5.83	5.83	(100%)	HEATING	24.5
				COOLING	0
				TOTAL LOAD	63.7
				BALANCED 3-PHASE LOAD	177 A
				PHASE A	98.1%
				PHASE B	96.1%
				PHASE C	106%

(* PROVIDE SHUNT TRIP BREAKER

B

ROOM MOUNTING	FLUSH	FED FROM	VOLTS 208Y/120V 3P 4W	BUS AMPS 100	NEUTRAL 100%	AIC 22,000	MAIN BKR MLO	LUGS STANDARD
NOTE								
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	
1	15/2	1.87	FREEZER CONDENSER	a 2	20/1	0.9	RECEPTACLE	
3				b 4	20/1	0.54	RECEPTACLE	
5	15/2	1.87	FREEZER EVAPORATOR	c 6	20/1	0.36	RECEPTACLE	
7				a 8	20/1	0.54	RECEPTACLE	
9	20/2	0.064	COOLER EVAPORATOR	b 10	20/1	0.36	RECEPTACLE	
11				c 12	20/1	0.36	RECEPTACLE	
13	15/2	1.79	COOLER CONDENSER	a 14	20/1	0.36	RECEPTACLE	
15				b 16	20/1	0.138	U/C FRIG-33A	
17	20/1	1.37	WALK-IN FREEZER	c 18	20/1	0.585	EFT1, EF2, LIGHTING	
19	20/1	0.36	WALK-IN COOLER	a 20	20/1	0.581	LIGHTING	
21	20/1	0.36	RECEPTACLE	b 22	20/1	1.2	SIGN	
23	20/1	0.36	RECEPTACLE	c 24	20/1	1.2	SIGN	
25	20/1	0.36	RECEPTACLE	a 26	20/1	0	SPACE	
27	20/1	0	SPACE	b 28	20/1	0	SPACE	
29	20/1	0	SPACE	c 30	20/1	0	SPACE	
31	20/1	0	SPACE	a 32	20/1	0	SPACE	
33	20/1	0	SPACE	b 34	20/1	0	SPACE	
35	20/1	0	SPACE	c 36	20/1	0	SPACE	
37	20/1	0	SPACE	a 38	20/1	0	SPACE	
39	20/1	0	SPACE	b 40	20/1	0	SPACE	
41	20/1	0	SPACE	c 42	20/1	0	SPACE	

	CONN KVA	CALC KVA		CONN KVA	CALC KVA
LIGHTING	3.45	4.31	(125%)	MOTORS	0.138
LARGEST MOTOR	0.138	0.035	(25%)	RECEPTACLES	4.5
				NONCONTINUOUS	7.44
				TOTAL LOAD	16.4
				BALANCED 3-PHASE LOAD	45.6 A
				PHASE A	113%
				PHASE B	87.5%
				PHASE C	99.9%

ELECTRICAL SYMBOL LIST

○ LIGHT FIXTURE INCANDESCENT OR H.I.D.	⊙ EXIT LIGHT FIXTURE
⊕ LIGHT FIXTURE WALL MOUNTED	NL NIGHT LIGHT
⊞ FLOURESCENT LIGHT FIXTURE	⊞ EMERGENCY LIGHT W/ 90 MIN. BATTERY
⊞ DUPLEX RECEPTACLE (+18")	⊞ GFI TYPE RECEPTACLE
⊞ ISOLATED GROUND TYPE D.R.	D.R. DUPLEX RECEPTACLE
(+0') CENTERLINE HEIGHT OF DEVICE BOX ABOVE FINISH FLOOR	
S SINGLE POLE SWITCH (+42")	⊞ SW. WITH PILOT LIGHT
S ₃ 3-WAY SWITCH (+42")	⊞ 3-WAY SW. W/ PILOT LIGHT(+42")
S ₄ 4-WAY SWITCH (+42")	⊞ SPECIAL PURPOSE OUTLET
S _K KEYED SINGLE POLE SWITCH (+42")	⊞ KEYED THREE-WAY SWITCH
⊞ N/F DISCONNECT SWITCH	⊞ FUSED DISCONNECT SWITCH
RT RAINLIGHT (NEMA 3R)	(60/50/3) AMP SIZE/FUSE SIZE/POLES
⊞ STARTER	⊞ DUPLEX RECEPT. FLOOR MTD.
⊞ MOTOR SYMBOL	⊞ MANUAL STARTER SWITCH
⊞ RELAY	⊞ DIMMER SWITCH
⊞ PUSHBUTTON OR CONTROL STATION	⊞ PHOTOCONTROL
⊞ TELEPHONE O.B. (3/4" C. TO CEILING SPACE)	⊞ JUNCTION BOX (J.B.)
⊞ DATA O.B. (3/4" C. TO CEILING SPACE)	⊞ OUTLET BOX
⊞ TELEPHONE & DATA O.B. (3/4" C. TO CEILING SPACE)	⊞ CHILD-PROOF
⊞ PLAN NOTE SYMBOL	WP WEATHERPROOF
C/B CIRCUIT BREAKER	CKT. CIRCUIT
---	CONCEALED CONDUIT (2#12 AWG AND APPROVED GROUND MINIMUM - TYPICAL)
---	CONDUIT BELOW FLOOR OR GRADE
---	CONDUIT EXPOSED
HOMERUN:	NUMBER OF WIRES, PANEL DESIGNATION, CIRCUIT NUMBERS
⊞ BRANCH CIRCUIT PANELBOARD	⊞ MAIN DISTRIBUTION PANEL
⊞ QUAD RECEPTACLE	⊞ CATV OUTLET
⊞ ALARM OUTLET BOX (3/4" CONDUIT TO CEILING SPACE)	

CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR SERVICE. A COMPLETE AND WORKING SYSTEM IS REQUIRED FOR COMPLIANCE WITH THESE DOCUMENTS. DETERMINE THE POINT OF CONNECTION TO THE UTILITY WITH THE UTILITY REPRESENTATIVE AND PROVIDE ACCORDINGLY FOR A COMPLETE WORKING SYSTEM.

WIRE AND CABLE SHALL BE INSULATED, TYPE THHN OR THWN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTORS SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED. NO ROMEX PERMITTED.

EMT SHALL BE GALVANIZED STEEL TUBING, 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUMITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS.

PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM NON-METALLIC, HEAVY DUTY, HIGH IMPACT, POLYVINYLCHLORIDE (PVC). TYPE 1 WILL BE USED FOR CONCRETE ENCASMENT. FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE. MAXIMUM LENGTH 72 INCHES FOR LIGHTING AND 36" FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUIDTIGHT OR WATERTIGHT WITH PVC JACKET WHERE USED IN DAMP, WET OR OUTSIDE AREAS, AND LIQUIDTIGHT OR WATERTIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TEL. OUTLETS TO BE MOUNTED BACK TO BACK, KEEP AT LEAST 2 INCHES BETWEEN RECEPTACLES AND TEL. OUTLETS.

ALL CONDUCTOR SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA.

CONTRACTOR SHALL ALIGN FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. AT NO TIME WILL AN IONIZATION DETECTOR BE LOCATED WITHIN 3'-0" OF A SUPPLY OR RETURN AIR GRILLE.

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT THE CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED, RECOMPUTING WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

ALL CONDUIT TERMINATING IN THE CEILING CAVITIES IS TO BE LABELED.

ALL CONDUIT SHALL BE COLOR CODED WITH 1/2" WIDE TAPE, 10'-0" ON CENTER IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT AND OWNER, PRIOR TO INSTALLATION, FOR USE WITH ACTUAL EQUIPMENT.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER/ARCHITECT. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER/ARCHITECT AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS.

THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE.

ALL FUSES DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

WHERE EQUIPMENT PENETRATES EXTERIOR WALL OR ROOF THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ARCHITECT/ENGINEER.

ALL WORK IS TO BE DONE IN STRICT COMPLIANCE WITH THE LATEST VERSION OF THE NEC AND APPLICABLE STATE CODES

2
E1
ELECTRICAL NOTES
N.T.S.

Feb 04, 2022

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 ELECTRICAL PLAN,
 NOTES, DETAILS AND
 SCHEDULES
 E1
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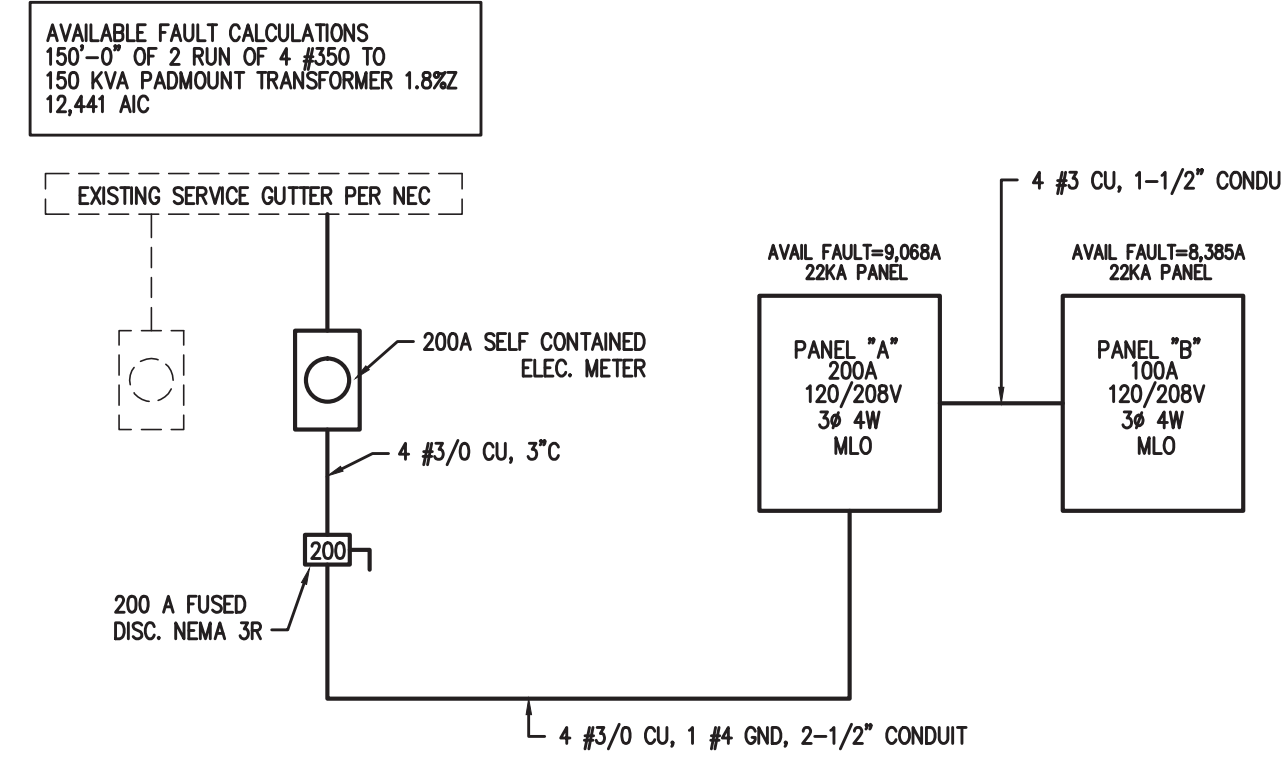
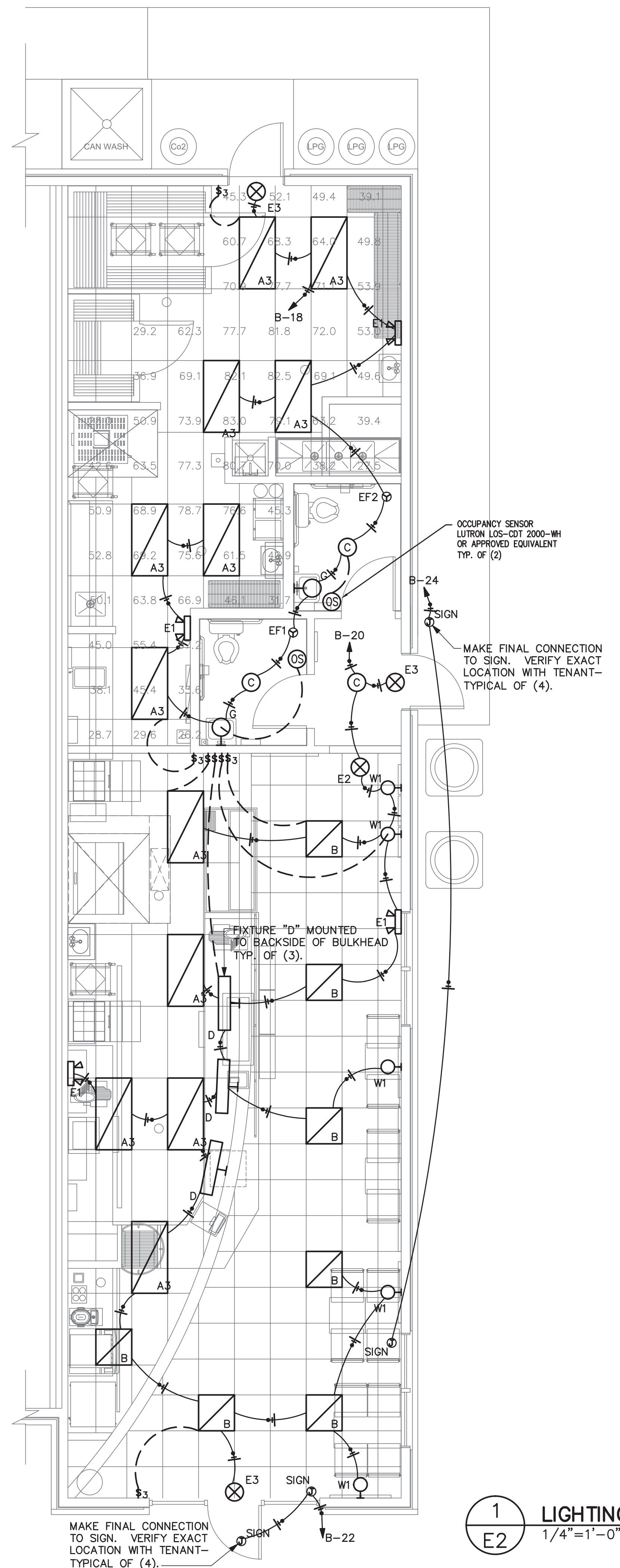
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LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	VOLTS	TOTAL LUMENS
A3		(1) (336) 80 CRI LEDS TUNED TO 3500K CCT	2' X 4' LED TROFFER WITH EMERGENCY BATTERY PACK	RECESSED	COOPER LIGHTING SOLUTIONS - METALUX (FORMERLY EATON), 24GR-LD5-64-A-UNV-L83050-W2A1-U-3500K	45.942	120V 1P 2W	6400
B		(1) LED	2x2 PARABOLIC LED TROFFER	RECESSED	MOBERN LIGHTING #RP-22-9-LED-30-DMV-35 OR HERMITAGE LIGHTING #09702243; 35K	30	120V 1P 2W	2470
C		(1) LED	FLUSH MTD. LED FIXTURE	RECESSED	PER OWNER- 20 WATT MAX.	20	120V 1P 2W	0
D		(3) 9.5W LED	TRACK LIGHTING	WALL/CEILING	TRAC SECTION & SYSTEM COMPONENT: JUNO #R-2FT/4FT-WH OR HERMITAGE #186622789/18622804; TRACK HEAD: JUNO #R600LG2-35K-WH OR HERMITAGE LIGHTING #18644197, 9.5W LED; CURRENT LIMITING END FEED: JUNO #RCLFM11WH OR HERMITAGE #18648644/18641995	28.5	120V 1P 2W	1800
E1		(1) LED	EMERGENCY LIGHT 2 HEAD, WHITE, BATTERY BACK UP	WALL/CEILING	HERMITAGE #90902323	1.1	120V 1P 2W	0
E2		(1) LED	LED EXIT	WALL/CEILING	HERMITAGE #90900301	1.1	120V 1P 2W	0
E3		(1) LED	EXIT/EMERGENCY LIGHT WITH EMERGENCY LIGHTING HEADS, BATTERY BACK UP, RED LED	WALL/CEILING	HERMITAGE #90902167	1.1	120V 1P 2W	0
G		(1)	LED VANITY FIXTURE	WALL	PER OWNER - 50 WATT MAX.	50	120V 1P 2W	0
W1		(1) LED	POLISHED NICKEL LED WALL SCNCE	WALL	JM9002 FIVE KIDS GROUP	6	120V 1P 2W	0



GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #4 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC 250

- ① CONNECT TO METALIC WATER PIPE AS REQ'D.
- ② #4 COPPER GROUND PLACED TO BLDG STEEL
- ③ 3/4" x 10' LONG COPPER CLAD GROUNDING ROD W/ #6 COPPER GROUND.

2 ELECTRICAL RISER DETAIL

N.T.S.

GENERAL PHOTOMETRIC SCHEDULE -- KITCHEN

AVERAGE FOOT-CANDLES	56.42
MAXIMUM FOOT-CANDLES	83.0
MINIMUM FOOT-CANDLES	23.0
MINIMUM TO MAXIMUM FC RATIO	0.28
MAXIMUM TO MINIMUM FC RATIO	3.61
AVERAGE TO MINIMUM FC RATIO	2.45

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: Prescriptive Performance
ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

- Additional Prescriptive Compliance
- 506.2.1 More Efficient HVAC Equipment
 - 506.2.2 Reduced Lighting Power Density
 - 506.2.3 Energy Recovery Ventilation Systems
 - 506.2.4 Higher Efficiency Service Water Heating
 - 506.2.5 On-Site Supply of Renewable Energy
 - 506.2.6 Automatic Daylighting Control Systems

Feb 04, 2022

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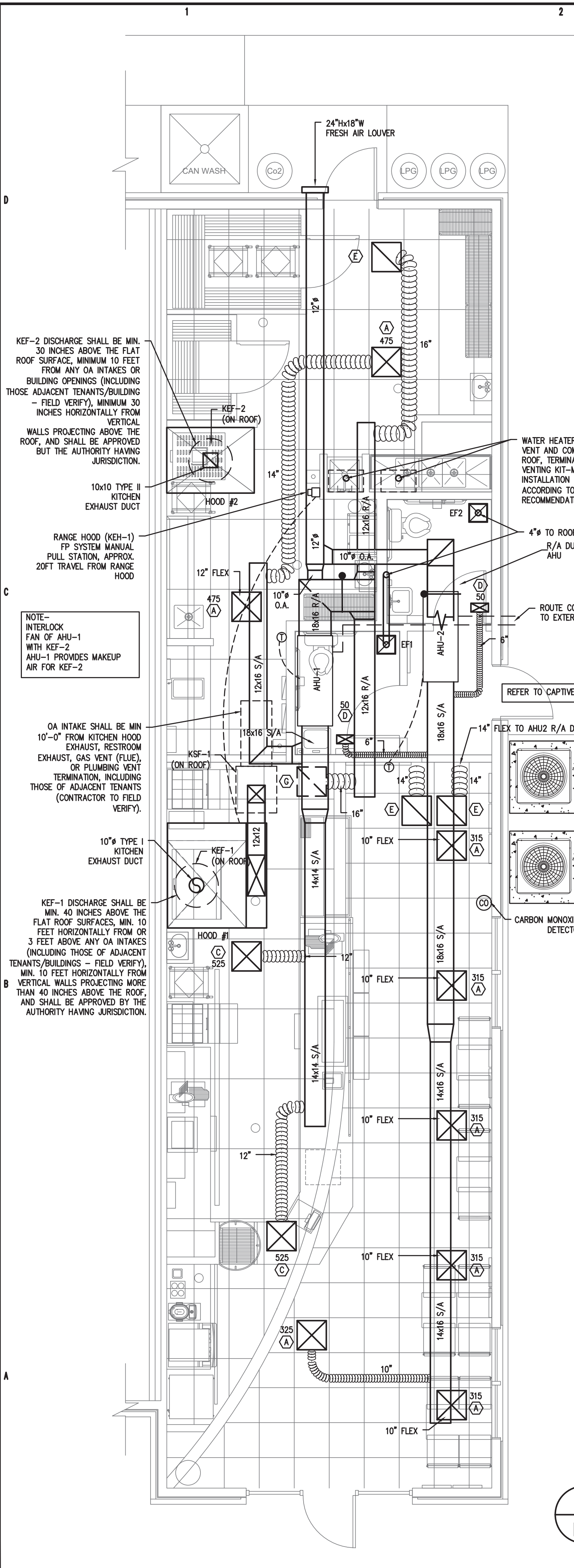


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LIGHTING PLAN, NOTES,
DETAILS AND
SCHEDULES

E2
SHEET OF



1 HVAC PLAN
M1 1/4"=1'-0"

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	RECTANGULAR CEILING MOUNTED S/A DIFFUSER
	RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE
	RUNNOUT TO DIFFUSER W/VOLUME DAMPER AND CONE EXTRACTOR
	90 DEG. ELBOW W/ TURNING VANES
	CONDENSATE DRAIN PIPING
	REFRIGERANT PIPING
	HEATING AND COOLING THERMOSTAT. MOUNT 5'-0" A.F.F. AUTOMATIC CHANGEOVER.
	SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)
	DUCT SMOKE DETECTOR - FURNISHED BY M.C., INSTALLED BY M.C., WIRED BY M.C.
S/A	SUPPLY AIR
R/A	RETURN AIR
O/A	OUTSIDE AIR
S/D	SPLITTER DAMPER
M.D.	MANUAL DAMPER WITH LOCKING QUADRANTS
B.D.D.	BACKDRAFT DAMPER
A.F.F.	ABOVE FINISHED FLOOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	CEILING FIRE/RADIATION DAMPER
	VERTICAL FIRE DAMPER
	DUCT SMOKE DETECTOR

AIR HANDLING UNIT SCHEDULE

UNIT NO.	CFM	OA CFM	ESP IN WG	FAN MOTOR							MFG. & MODEL	REMARKS
				HP	VOLTS	PHASE	CYCLE	FLA	MCA	MOCP		
AHU-1	2000	400	0.50	1	208	3	60	7.6	34	35	TRANE GAMS40A60	5 TON AIR HANDLER W/ 7.20 KW STRIPS
AHU-2	2000	400	0.50	1	208	3	60	7.6	34	35	TRANE GAMS40A60	5 TON AIR HANDLER W/ 7.20 KW STRIPS

HEAT PUMP UNIT SCHEDULE

UNIT NO.	COMPRESSOR AMPS	NO. OF COMP.	FAN AMPS	NO. OF FANS	OUTDOOR UNIT				CAPACITIES			MFG. & MODEL	REMARKS	
					UNIT VOLT	UNIT PHASE	MOCP	MCA	WIRE SIZE (DU. 75 C)	TOTAL COOLING	MIN. SEER			HEATING
HP-1	15.9	1	1.1	1	208	3	35	21	8	57,000	14.00	58,000	TRANE 4TWA4060A3	5 TON HEAT PUMP UNIT
HP-2	15.9	1	1.1	1	208	3	35	21	8	57,000	14.00	58,000	TRANE 4TWA4060A3	5 TON HEAT PUMP UNIT

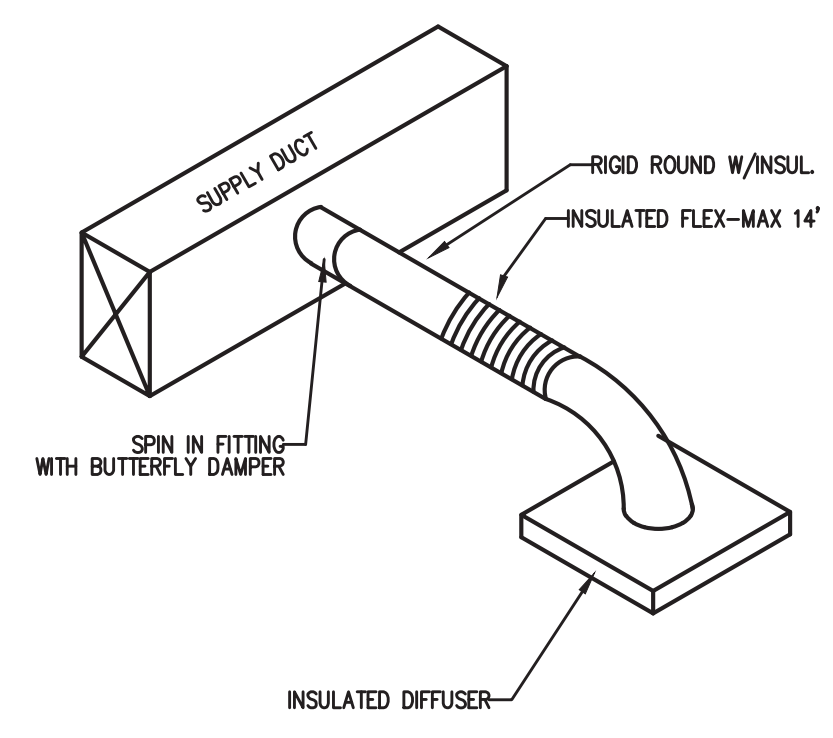
AIR BALANCE SCHEDULE

ID	TOTAL AIR	RECIRC. AIR	O/S AIR	EXH. CFM	MUA
EX. RTU-2	2000	1700	400		
EX. RTU-1	2000	1700	400		
KEF-1			1000		
KEF-2			375		
KSF-1			750		
TOTALS		+800	-1375		+750

BUILDING PRESSURIZATION +175 CFM

- ### GENERAL NOTES
- PROVIDE MINIMUM 10 FOOT HORIZONTAL SEPARATION BETWEEN OA INTAKES AND TERMINATIONS OF ALL CONTAMINANT SOURCES (EXHAUST SYSTEMS, PLUMBING VENTS, OR GAS VENTS) WHERE POSSIBLE. CLEARANCE MAY BE REDUCED TO 5 FOOT PROVIDED THE OA INTAKE IS NOT LESS THAN 3 FOOT BELOW THE CONTAMINANT SOURCE IN ACCORDANCE WITH IMC. FIELD VERIFY LOCATIONS OF EXISTING OA AND EXH/VENT TERMINATIONS, INCLUDING THOSE OF ADJACENT TENANTS, AND ADJUST JERSEY MIKE'S SUBS' INSTALLATION AS REQUIRED TO COMPLY.
 - THERMOSTATS IN KITCHEN AREAS SHALL BE MOUNTED MINIMUM 6 INCHES ABOVE BACKSPASH ELEVATION. THERMOSTATS IN DINING ROOM (NOT ADJUSTABLE BY THE PUBLIC) SHALL BE MOUNTED 84" AFF OR AS DIRECTED BY THE OWNER. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL OTHER THERMOSTATS WITH OWNER.
 - PROVIDE FIRE WRAP FOR TYPE I GREASE EXHAUST DUCT, FROM HOOD CONNECTION TO TERMINATION POINT, IF PARTITION BEHIND HOOD IS FRAMED WITH WOOD OR OTHER COMBUSTIBLE CONSTRUCTION - GENERAL CONTRACTOR SHALL FIELD VERIFY.

2 GENERAL NOTES
M1 N.T.S.



3 DIFFUSER TAKE-OFF DETAIL
M1 N.T.S.

DIFFUSER/RETURN SCHEDULE

MARK ON PLANS	AIR PATTERN	NECK SIZE	RUNOUT SIZE	MFGR/MODEL	REMARKS
A	4 WAY	24 X 24	SEE PLAN	TITUS TMS, ALUM. CONTRACTOR SHALL COORDINATE COLOR	
B	4 WAY	12 X 12	SEE PLAN	TITUS TDC, ALUM. CONTRACTOR SHALL COORDINATE COLOR	
C	DBL-DEFLECTION	22 X 10	SEE PLAN	TITUS 272FS, ALUM. CONTRACTOR SHALL COORDINATE COLOR	1,2
D	SINGLE DEFLECTION	10 X 6	SEE PLAN	PRICE SERIES 610 OFF WHITE, ALUM.	
E	LOUVERED GRILLE	24 X 24	SEE PLAN	TITUS 3F, ALUM. CONTRACTOR SHALL COORDINATE COLOR	2
G	FILTER LOUVERED GRILLE	24 X 24	SEE PLAN	TITUS 3FF, ALUM. CONTRACTOR SHALL COORDINATE COLOR	3

- INSTALL IN LAY-IN CEILING.
- PROVIDE 12" PLENUM WITH ROUND NECK FOR FLEX DUCT CONNECTION.
- LOUVERED GRILLE WITH REMOVABLE/CORE WITH FOUR QUARTER-TURN FASTENERS AND NO HINGE.

FAN SCHEDULE

MARK	LOCATION	SERVICE	CFM	S.P.	HP	RPM	VOLT	PHASE	DRIVE	REMARKS
EF1	CEILING	TOILET	70	0.1"	0.5A	710	120	1	DIRECT	BROAN #684 OR EQ. 4" FLEX TO WALL CAP
EF2	CEILING	TOILET	70	0.1"	0.5A	710	120	1	DIRECT	BROAN #684 OR EQ. 4" FLEX TO WALL CAP
KEF1	ROOF	HOOD	1000	1"	0.5	1471	120	1	BELT	ROOF MTD. EXHAUST FAN CAPTIVEAIRE DU50HFA PROVIDED BY EQ. SUPPLIER
KEF2	ROOF	HOOD	375	0.5"	0.18	1404	120	1	BELT	ROOF MTD. EXHAUST FAN CAPTIVEAIRE DU12HFA PROVIDED BY EQ. SUPPLIER
KSF1	ROOF	HOOD	750	0.5"	1.0	814	120	1	BELT	ROOF MTD. SUPPLY FAN CAPTIVEAIRE A1-G10 PROVIDED BY EQ. SUPPLIER

OUTSIDE AIR CALCULATION -2018 NC MECHANICAL CODE (TABLE 403.3.1.1) Vbz = RpPz + RaAz

OCCUPANCY TYPE:	(Az)	(Pz)	PERSON (Rp)	SqFt (Ra)	O.A. CFM PER PERSON (Rp)		O.A. CFM REQUIRED (Vbz)	EXHAUST CFM REQUIRED
					O.A. CFM PER PERSON (Rp)	O.A. CFM PER PERSON (Rp)		
DINING AREA	470	28	7.5	0.18			294.6	
HALL	34			0.06			2.04	
WOMEN	41						0	70
MEN	41						0	70
TOTAL CFM REQUIRED							296.64	140
TOTAL CFM FURNISHED							296.64	140

OCCUPANCY TYPE:	(Az)	(Pz)	PERSON (Rp)	SqFt (Ra)	O.A. CFM PER PERSON (Rp)		O.A. CFM REQUIRED (Vbz)	EXHAUST CFM REQUIRED
					O.A. CFM PER PERSON (Rp)	O.A. CFM PER PERSON (Rp)		
SERVING COUNTER	200	3	7.5	0.18			58.5	
FRONT KITCHEN	100						0	70
BACK KITCHEN	218						0	153
STORAGE	145			0.12			17.4	
TOTAL CFM REQUIRED							75.9	223
TOTAL CFM FURNISHED							75.9	223

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Feb 04, 2022

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Jersey Mike's Subs

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MARK	DESCRIPTION	DATE

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SHEET TITLE:
HVAC PLAN, NOTES,
DETAILS AND
SCHEDULES

M1
SHEET OF

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 HVAC ROOF PLAN,
 NOTES, DETAILS AND
 SCHEDULES

M2
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APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A

winter dry bulb:	27'
summer dry bulb:	94'

Interior design conditions

winter dry bulb:	75'
summer dry bulb:	75'
relative humidity:	50'

Building heating load: 56,965 BTU

Building cooling load: 71,397 BTU

Mechanical Spacing Conditioning System

Unitary

description of unit:	SPLIT SYSTEM HEAT PUMP
heating efficiency:	8.5
cooling efficiency:	14.0
size category of unit:	<65,000 BTU

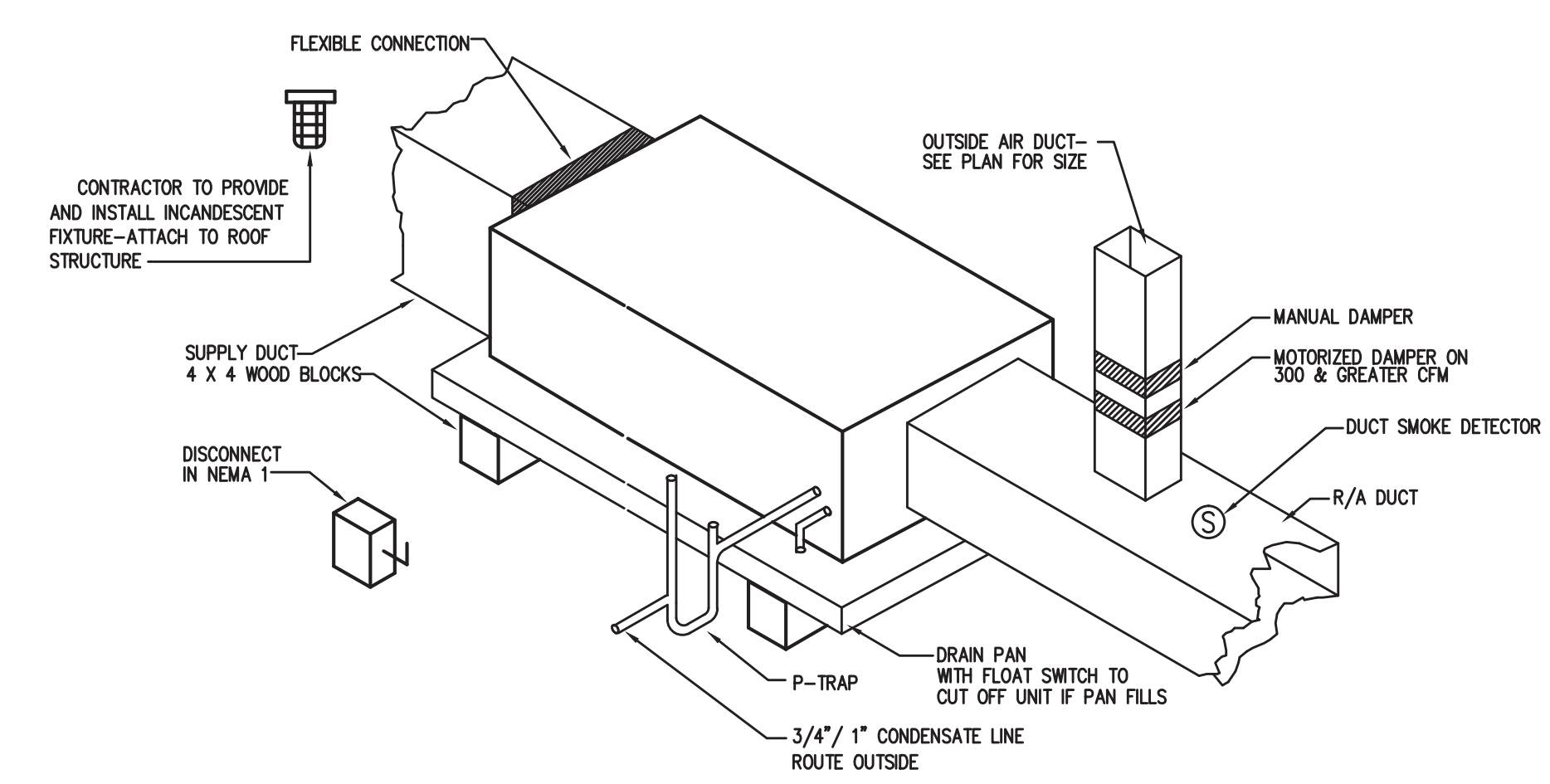
Boiler

Size category. If oversized, state reason: _____

Chiller

Size category. If oversized, state reason: _____

List equipment efficiencies: _____



3 AIR HANDLER DETAIL
 M2 N.T.S.

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 NC MECHANICAL CODE.

ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED. ALL SUPPLY AND RETURN DUCTS AND FLEX SHALL BE INSULATED WITH MIN. R-8.0 INSULATION UNLESS OTHERWISE NOTED IN THE DRAWING.

ALL EXPOSED ROUND DUCT SHALL BE DOUBLE WALL INSULATED. EXPOSED RECTANGULAR DUCT SHALL BE INTERNALLY LINED WITH INSULATION.

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE. ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW. VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THROUGH WALLS.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT.

MECHANICAL CONTRACTOR TO CONFIRM BREAKER/DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

FURNISH AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN DUCT OF THE A/C UNIT IN ACCORDANCE WITH 2018 NC MECHANICAL CODE. THE DETECTOR SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY CONTROL WIRING FROM THE DETECTOR TO HIS EQUIPMENT. SMOKE DETECTORS ARE ONLY REQUIRED FOR UNITS SUPPLYING 2000 CFM OR MORE.

MECHANICAL CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT SYSTEM COMPLIANCE STATEMENT REQUIRES A WRITTEN TAB REPORT. FINAL PROJECT SIGNOFF WILL BE DENIED WITHOUT THIS REPORT.

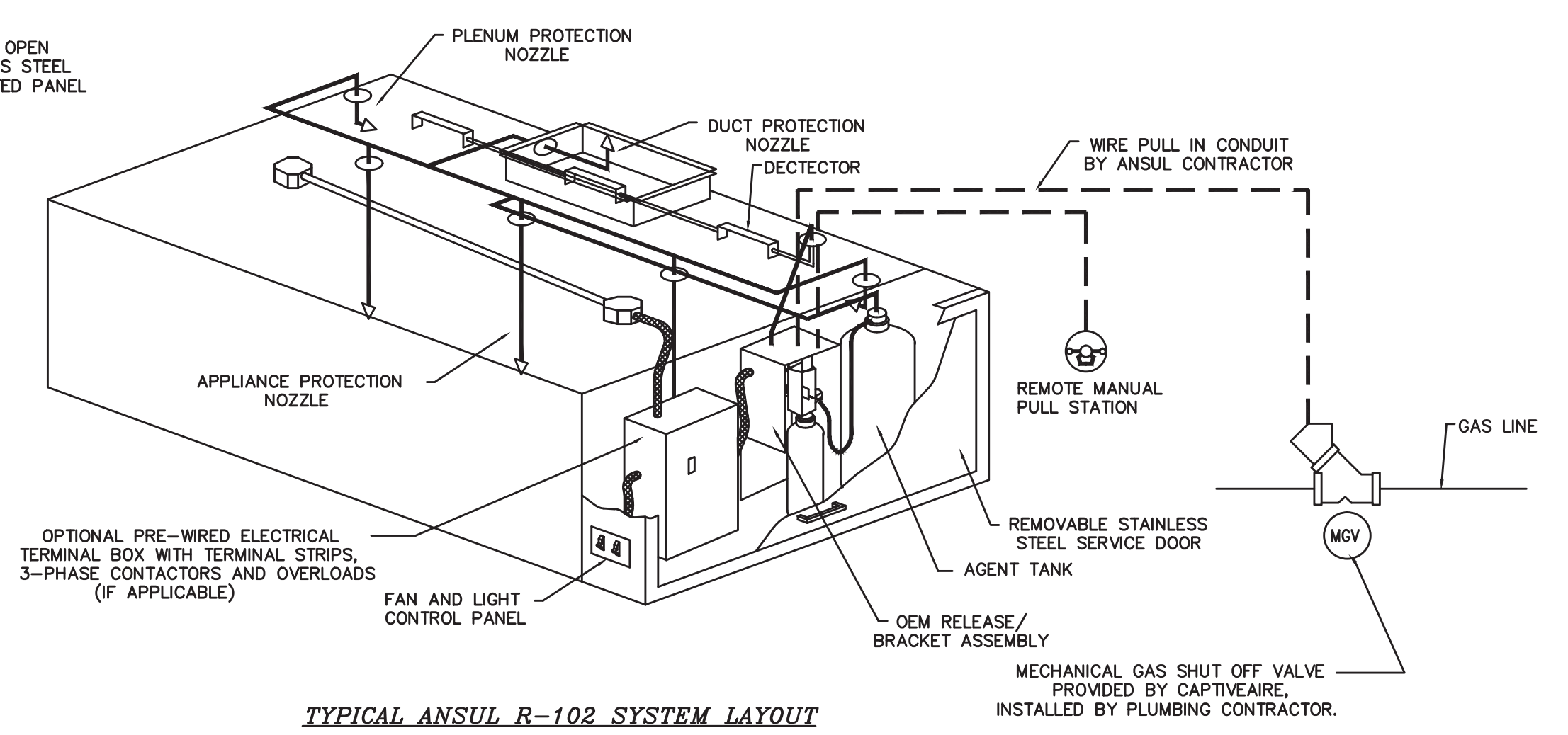
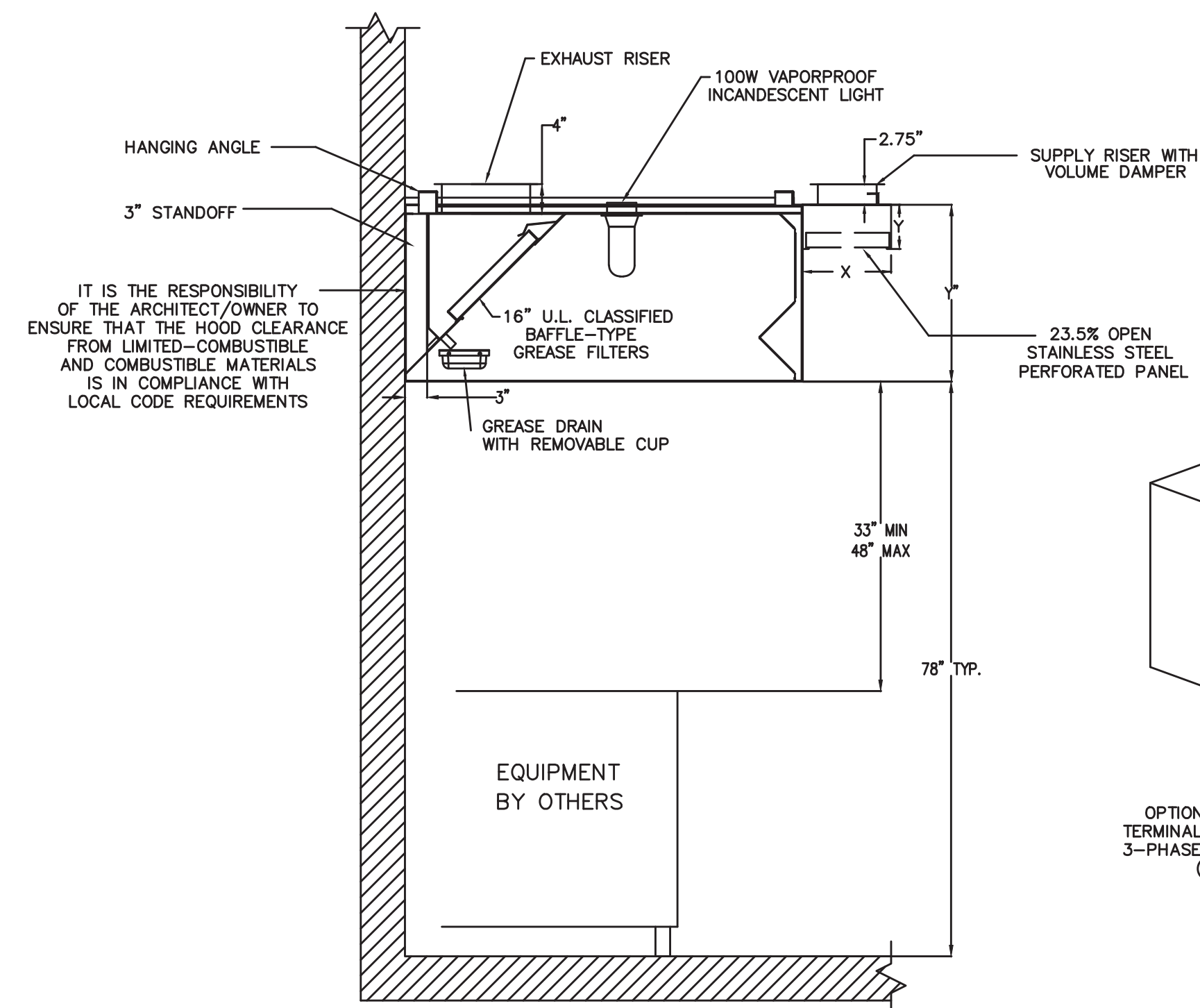
MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK WITH OTHER TRADES TO AVOID CONFLICTS.

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

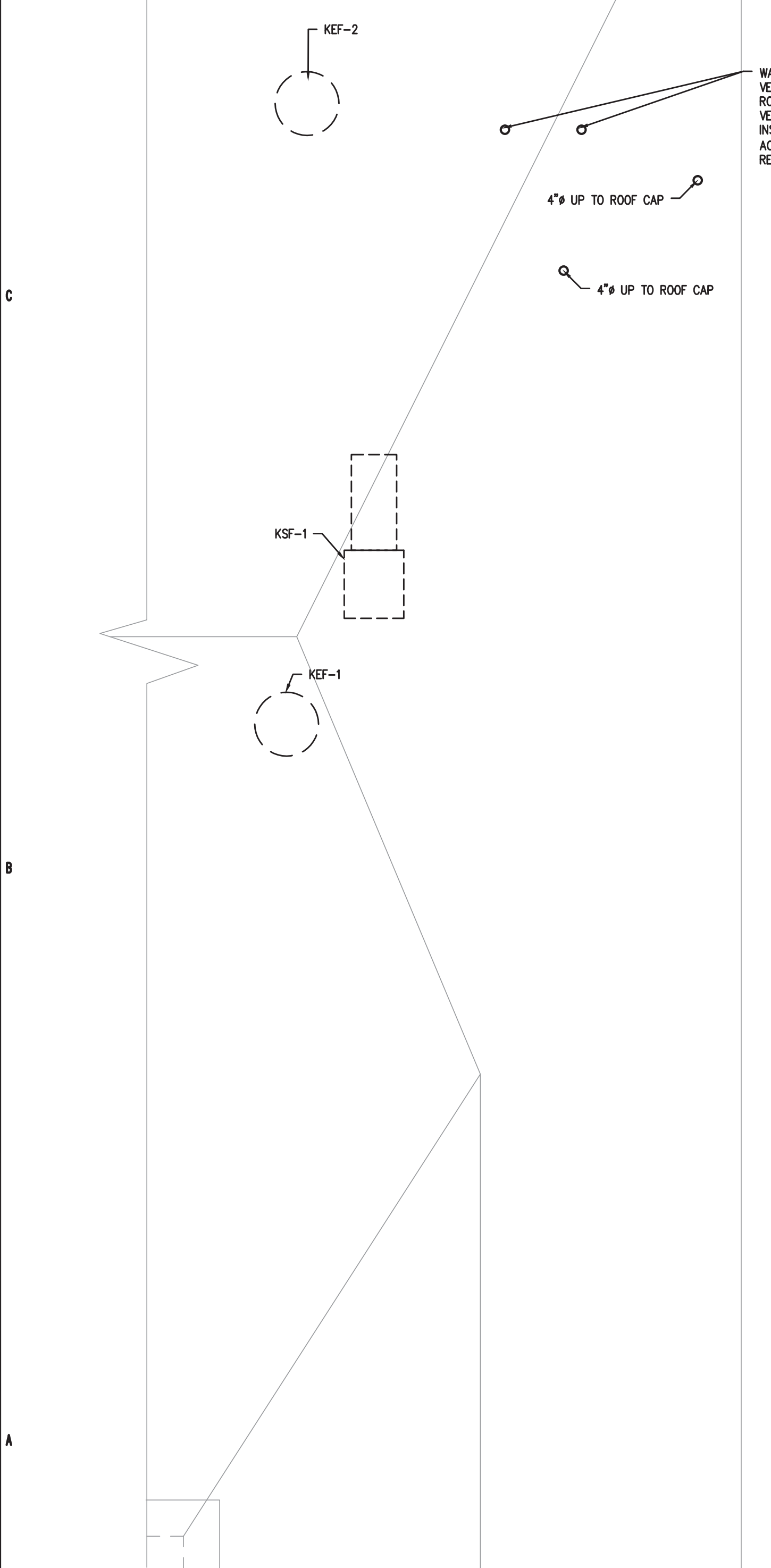
ALL THERMOSTATS SHALL BE OF A PROGRAMMABLE TYPE.

BUILDING CONTRACTOR SHALL PROVIDE PERMANENT ACCESS TO ROOF STRUCTURE FOR ACCESS TO MECHANICAL EQUIPMENT WHEN ROOF STRUCTURE IS GREATER THAN 16'-0" HIGH.

2 HVAC NOTES
 M2 N.T.S.



4 KITCHEN HOOD DETAILS
 M2 N.T.S.



1 HVAC PLAN-ROOF
 M2 1/4"=1'-0"


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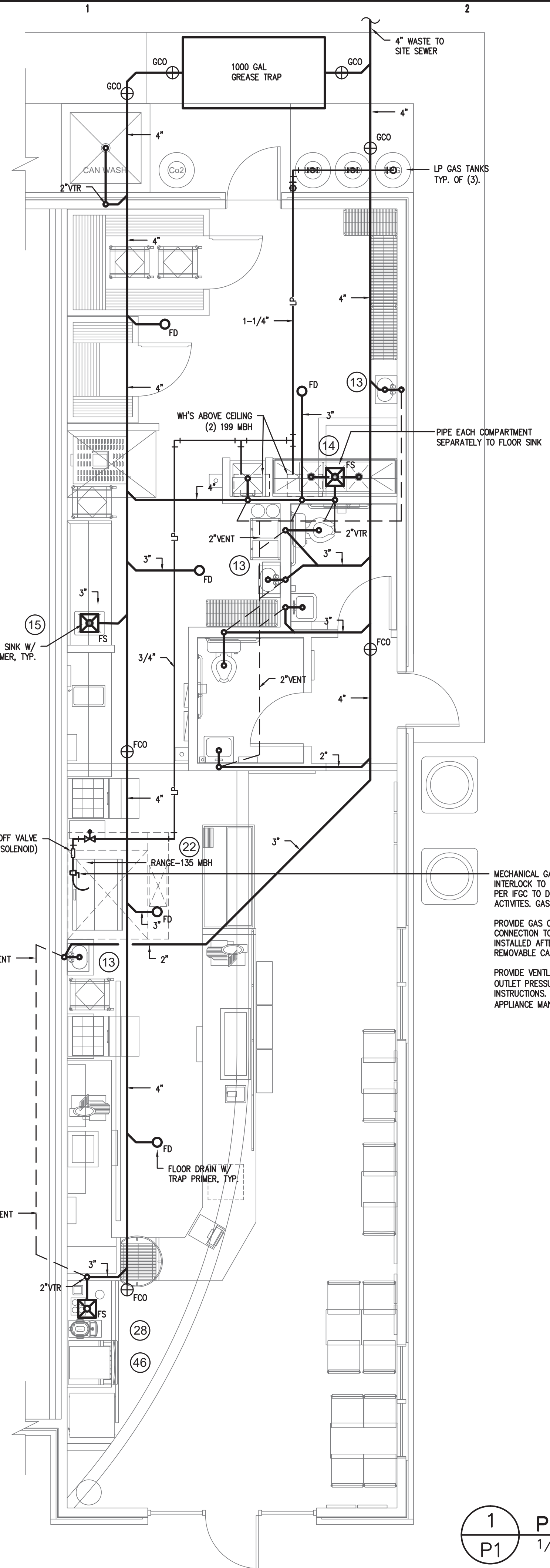
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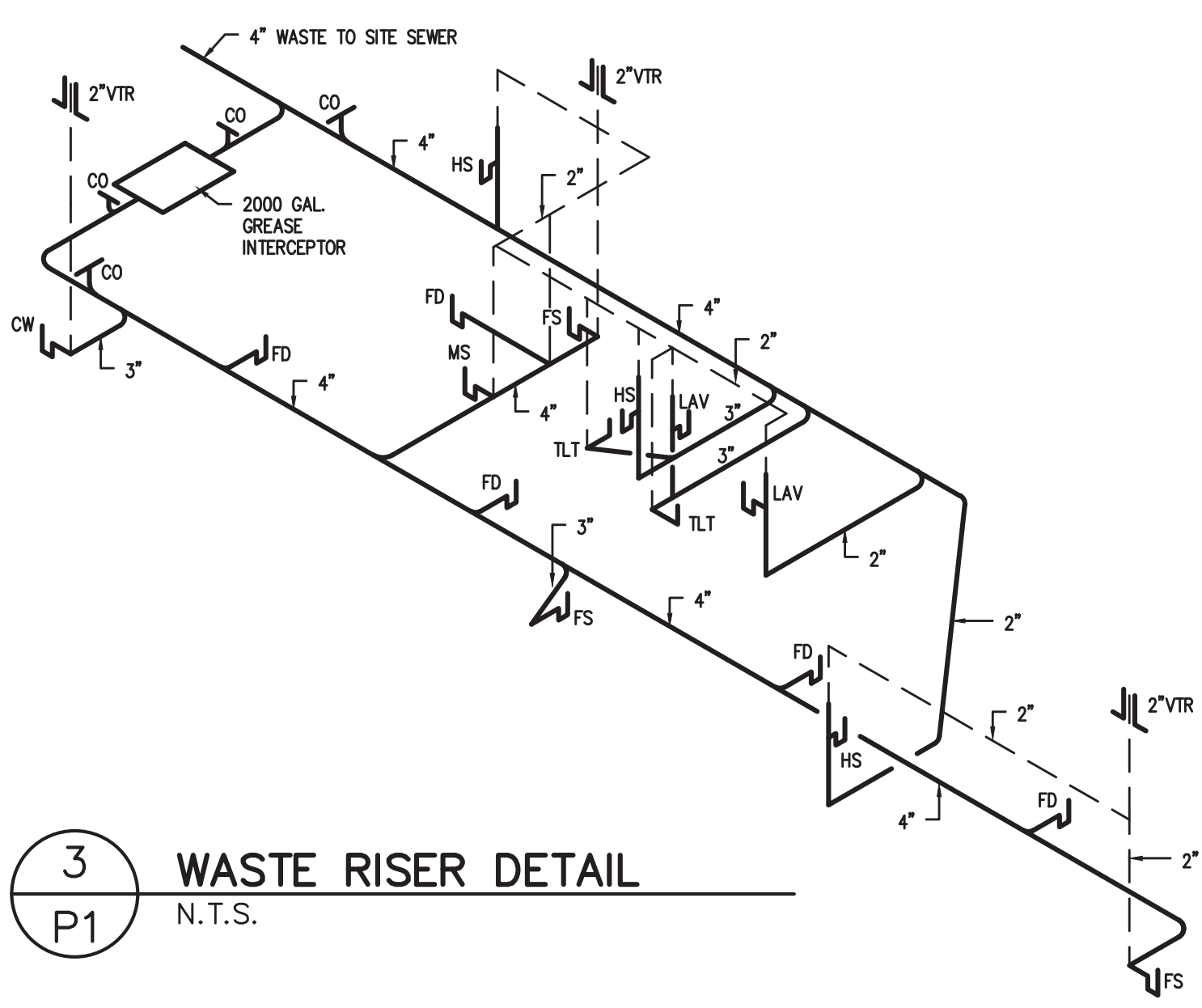
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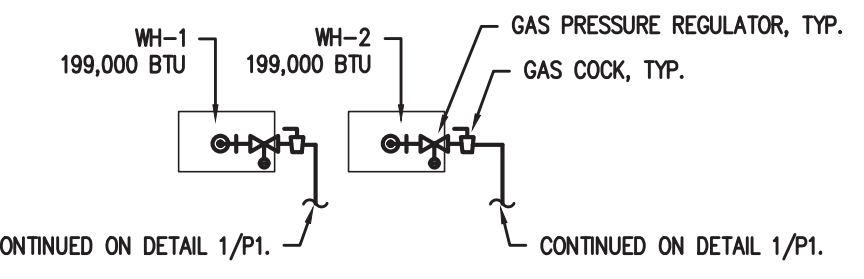
1
P1 **PLUMBING PLAN - WASTE/VENT**
1/4"=1'-0"

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AS WELL AS ALL LOCAL AND OTHER APPLICABLE CODES.
ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN.
WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 100 PSI. ALL WATER PIPING AT WATER FIXTURES SHALL BE PROVIDED WITH 1/2" AIR CHAMBERS OR SHOCK ABSORBERS. STOPS SHALL BE PROVIDED ON HOT AND COLD WATER LINES. HOT WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER. THE ENTIRE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
PEX TUBING ALLOWED IF APPROVED BY LOCAL JURISDICTION.
SANITARY SEWER LINES SHALL BE PVC.
PROVIDE PRESSURE REDUCING VALVE IF STREET WATER EXCEEDS 80 PSI.
GAS PIPING WILL BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREW-TYPE FITTINGS.
THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK AND SHALL INSTALL FIRE RATED SLEEVES WHEREVER PENETRATIONS OF RATED WALLS OR FLOORS ARE MADE. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS AND ARCHITECTURAL SITE PLANS FOR WORK BY OTHERS.
LOCATION OF UTILITIES (WASTE AND WATER LINES, MANHOLES ETC.) THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE THE FINAL CONNECTION AS REQUIRED.
ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMERS.

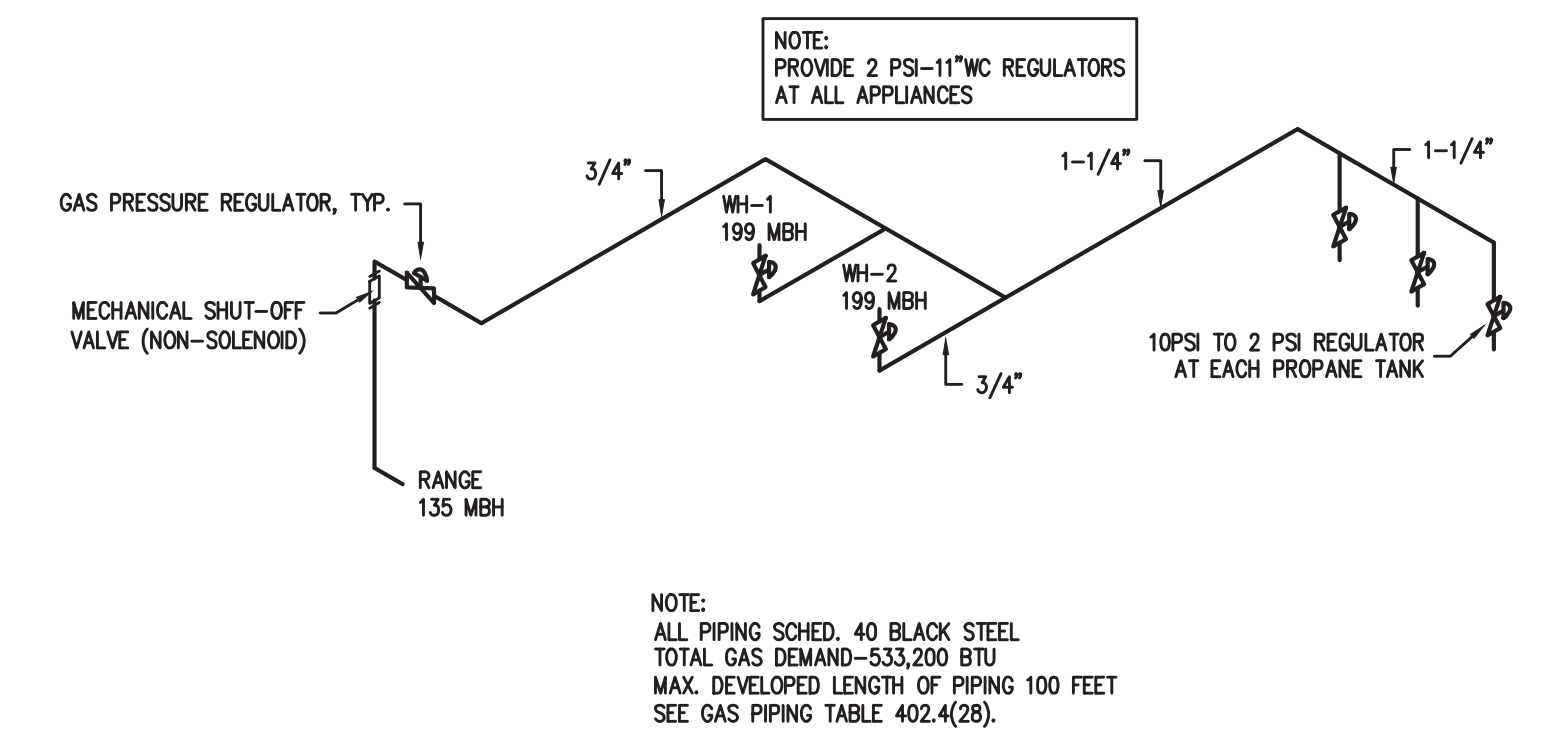
2
P1 **PLUMBING NOTES**
N.T.S.



3
P1 **WASTE RISER DETAIL**
N.T.S.



4
P1 **WATER HEATER DETAIL**
N.T.S.

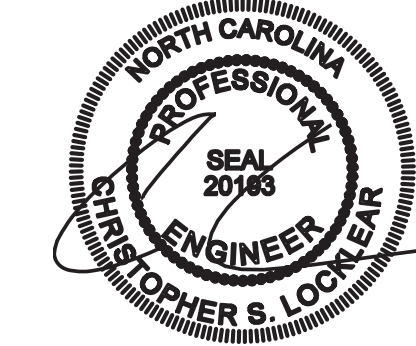


5
P1 **GAS RISER**
N.T.S.

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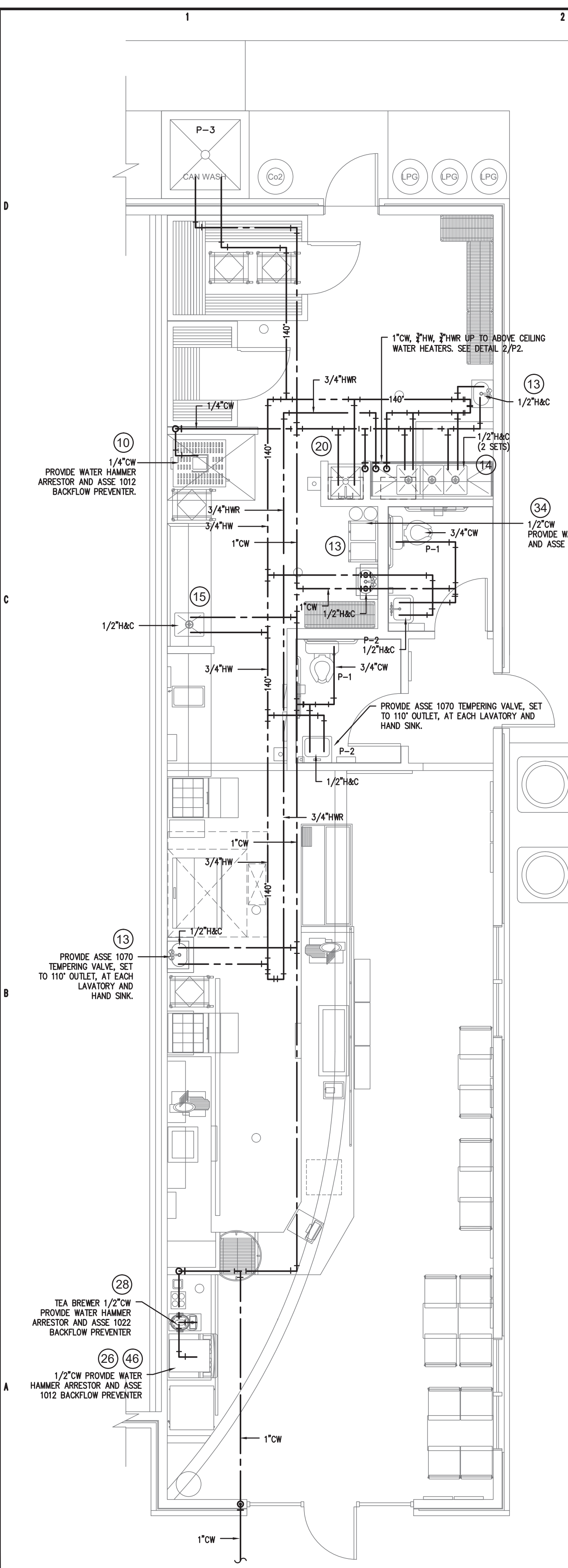
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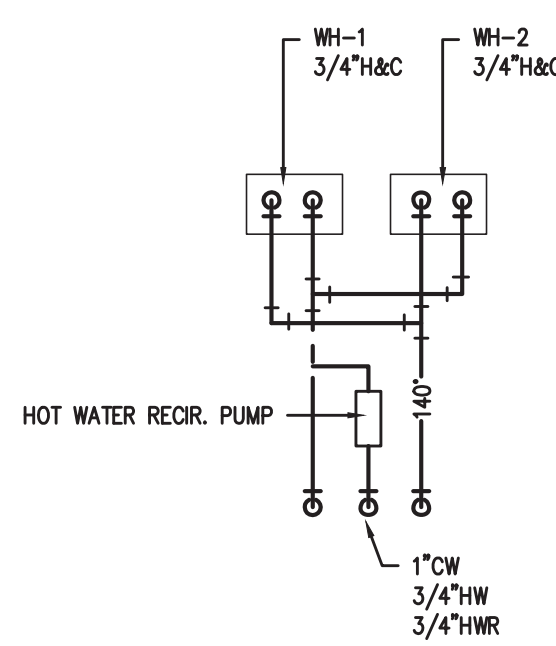
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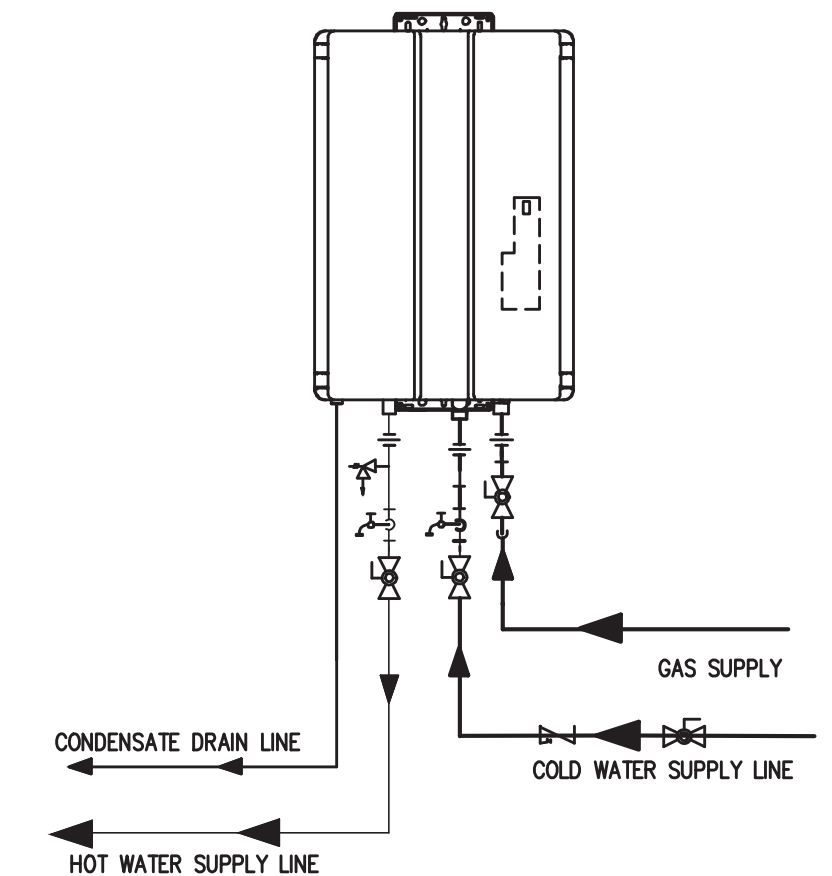
P2
 SHEET OF



1
 P2 PLUMBING PLAN - SUPPLY
 1/4" = 1'-0"



2
 P2 WATER HEATER DETAIL
 N.T.S.



3
 P2 WATER HEATER DETAIL
 N.T.S.

GENERAL PLUMBING SYMBOLS	
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	TEE
	ELBOW
	WALL CLEANOUT
	FLOOR CLEANOUT
	GATE VALVE
	COLD WATER
	HOT WATER
	VENT PIPING
	WASTE PIPING
	ROOF DRAIN PIPING

SYMBOL	MANUFACTURER	MODEL #	FIXTURE DESCRIPTION	ACCESSORIES	SUPPLY	WASTE	VENT	REMARKS
P-1	AMERICAN STD.	2998.012	WATER CLOSET (TANK), FLOOR-TYPE HANDICAPPED	CHURCH 380TL, TOILET SEAT	3/4" C.W.	3"	2"	
P-2	AMERICAN STD.	0321.026	LAVATORY, WALL-TYPE	AMERICAN STANDARD, 2385.400 FAUCET	1/2" H.W./C.W.	2"	1-1/2"	
P-3	EXTERIOR CAN WASH PER SUPPLIER				1/2" H.W./C.W.	3"	2"	
WH-1,2	RINNAI	CU199I	INSTANT WATER HEATER, CONDENSING, DIRECT VENT, 199 MBH	CONCENTRIC VENT AND COMBUSTION AIR PIPE, FITTINGS AND ROOF TERMINATION	3/4" H.W./C.W.			

EQUIPMENT SCHEDULE									
KEY	QTY.	ITEM NAME	MANUFACTURER	MODEL NUMBER	SUPPLIER	POWER REQUIRED	PLUMBING REQUIRED	MISC. NOTES	KEY
10	1	BREAD OVEN	NUVU	JM-QB 5/10 AUTOMIST	ECO	29AMP 208V/3ph	1/2" SUPPLY LINE	AUTO MISTER NOT OPTIONAL. OUTLET INSTALLED AT 78" AFF	10
13	2	HAND SINK - WALL HUNG	COMPONENT HARDWARE GROUP	JM-FS17D141005JM	ECO		C.H.G. FAUCET FS17D141005JM WITH DRAIN BASKET (WATER-SEWER LINES) C.H.G. KLS3-1000-AF4 PRE-RINSE SPRAYER/ ADD-A-FAUCET, KLS4-8012 FAUCET AND D50-7100 LEVER WASTES - QTY 3	WALL MOUNT HAND SINK W/ TWO 7/8" SIDE SPLASHES AND FAUCET IF TALLER THAN 9", END SPLASHES ARE REQUIRED	13
14	1	3 COMPARTMENT SINK	ADVANCE TABCO/C.H.G.	JM-FC-3JM-DBSB-CUS.	ECO				14
15	1	S.S. WORKTABLE-PREP SINK	ADVANCE TABCO/C.H.G.	JM-TKMS-5JM-11BRSL	ECO		C.H.G. JM-KL54-8002 FAUCET (5" SWIVEL GOOSENECK SPOUT)	ONE COMPARTMENT SINK WITH DRAIN BOARD ON THE LEFT SIDE	15
20	1	MOP SINK	EXIST CLEAN & REUSE	2'X2'	GC		1/2" SUPPLY 1/2" DRAIN, VENT	MOP HANGER AND WALL GUARD	20
22	1	RANGE WITH GRILL	IMPERIAL	JM-IR-CUSTOM	ECO		1 - KROWNE JM-M7548K GAS CONN. CONFIRM NATURAL OR LP GAS	OPTION: CASTER, FLEX GAS HOSE, QUICK CONNECT & RESTRAINING DEVICE. BE SURE TO INCLUDE PERFORMANCE CHECK	22
26	1	DRINK DISPENSER & ADAPTER KIT	PEPSI	DISPENSER: IDC255, ADAPTOR: 80002957	PEPSI	9.3 AMP 115V/60/1	1/2" SUPPLY, CONDENSATION DRAIN	COORDINATE W/ PEPSI. OUTLET INSTALLED AT 42" AFF	26
28	1	ICED TEA BREWER/DISPENSER	BUNN	TB3Q	LUZIANNE	120V, 14.4 AMP		1-800-627-2094. OUTLET INSTALLED AT 42" AFF	28
34	1	BAG IN BOX SYSTEM	PEPSI	PEPSI	PEPSI	110 / 120V - 20 AMP DUAL OUTLET	1/2" SUPPLY	WATER CONNECTION IS NEEDED FOR THE FILTRATION SYSTEM. OUTLET CAN BE INSTALLED AT 80" AFF.	34
46	1	ICE MAKER	HOSHIZAKI	JM-KM-S20MAJ	ECO	115V/60/1 PH - 20 AMP BREAKER	PROVIDE DRAIN	OUTLET INSTALLED AT 42" AFF	46

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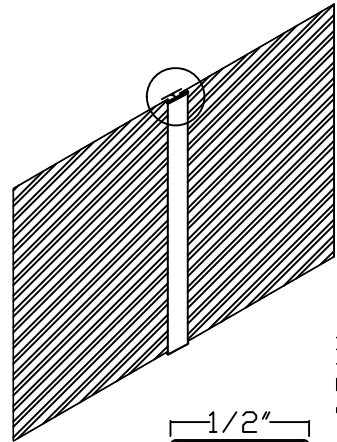


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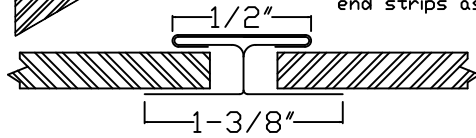
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FIRE SYSTEM/INSTALLATION DETAILS

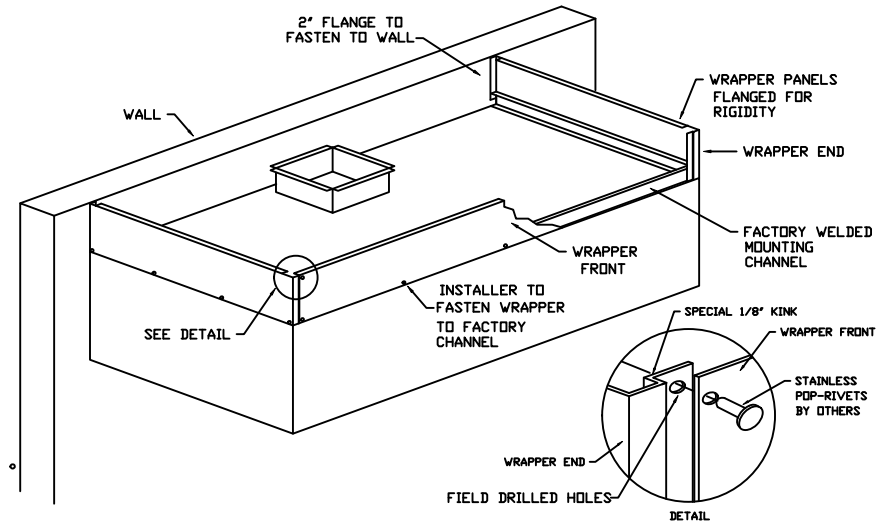


Stainless Steel Backsplash and Sidesplash

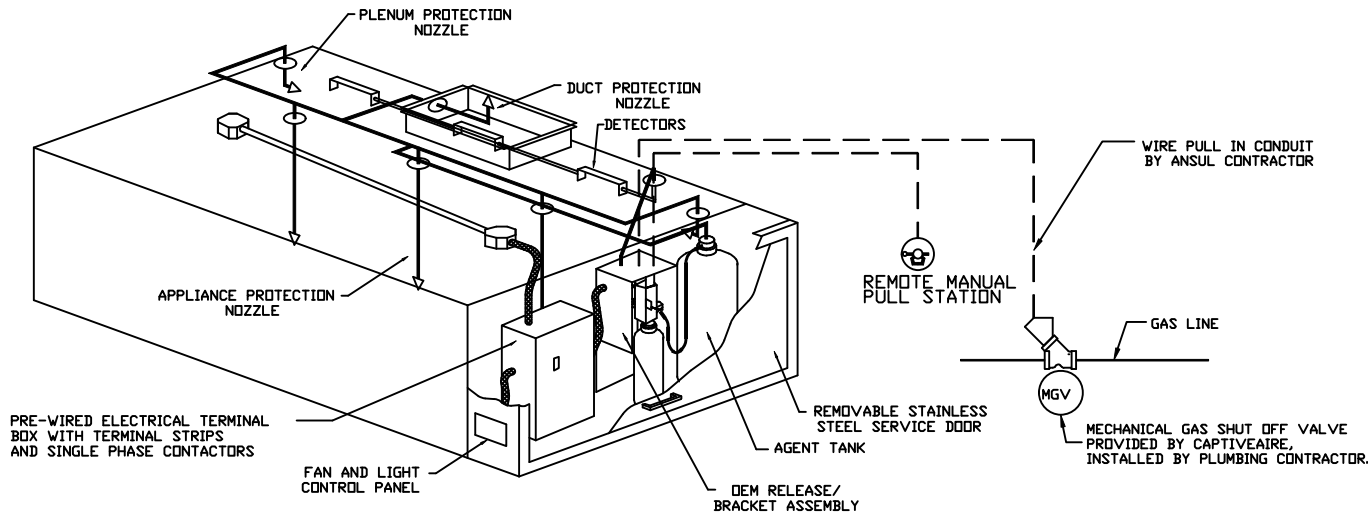
Backsplash is to be manufactured from #3 or #4 finish S/S of the same gauge and material as the hoods. It will be supplied with Batton strips and end strips as needed to close all seams and edges.



Batton Strip Detail



FIELD WRAPPER



TYPICAL ANSUL R-102 SYSTEM LAYOUT

VERIFY GAS VALVE SIZE
---"

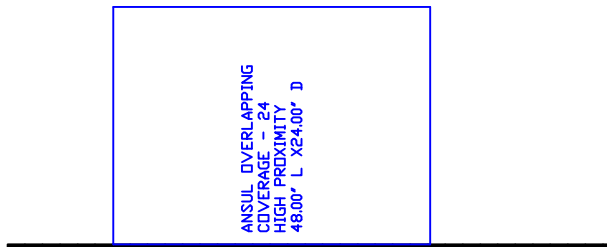
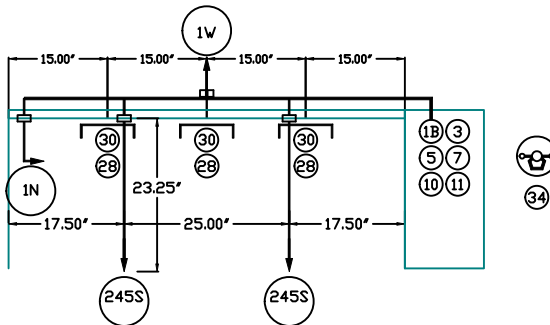
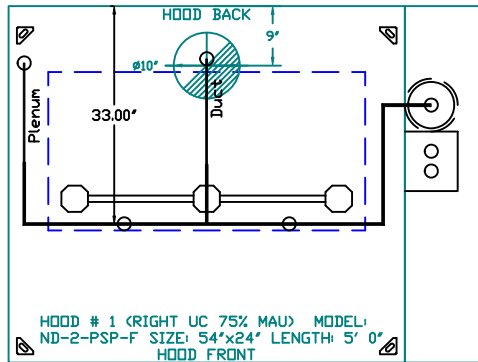
TYPICAL ANSUL R-102 SYSTEM LAYOUT



CAPTIVEAIRE

JOB JERSEY MIKE'S	
LOCATION CAMERON, NC	
DATE 6/6/19	JOB # 5159853
DWG # 2	DRAWN BY DF-32
REV.	SCALE Not To Scale

FIRE SYSTEM/INSTALLATION DETAILS



NOTES

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

JOB NAME: JERSEY MIKE'S

SYSTEM SIZE: ANSUL-3.0 TOTAL FP REQUIRED: 6.
 HOOD # 1 5' 0.00" LONG x 54" WIDE x 24" HIGH.
 RISER # 1 SIZE: 10" DIA.
 HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

LEGEND - FIRE CABINET ANSUL SYSTEM

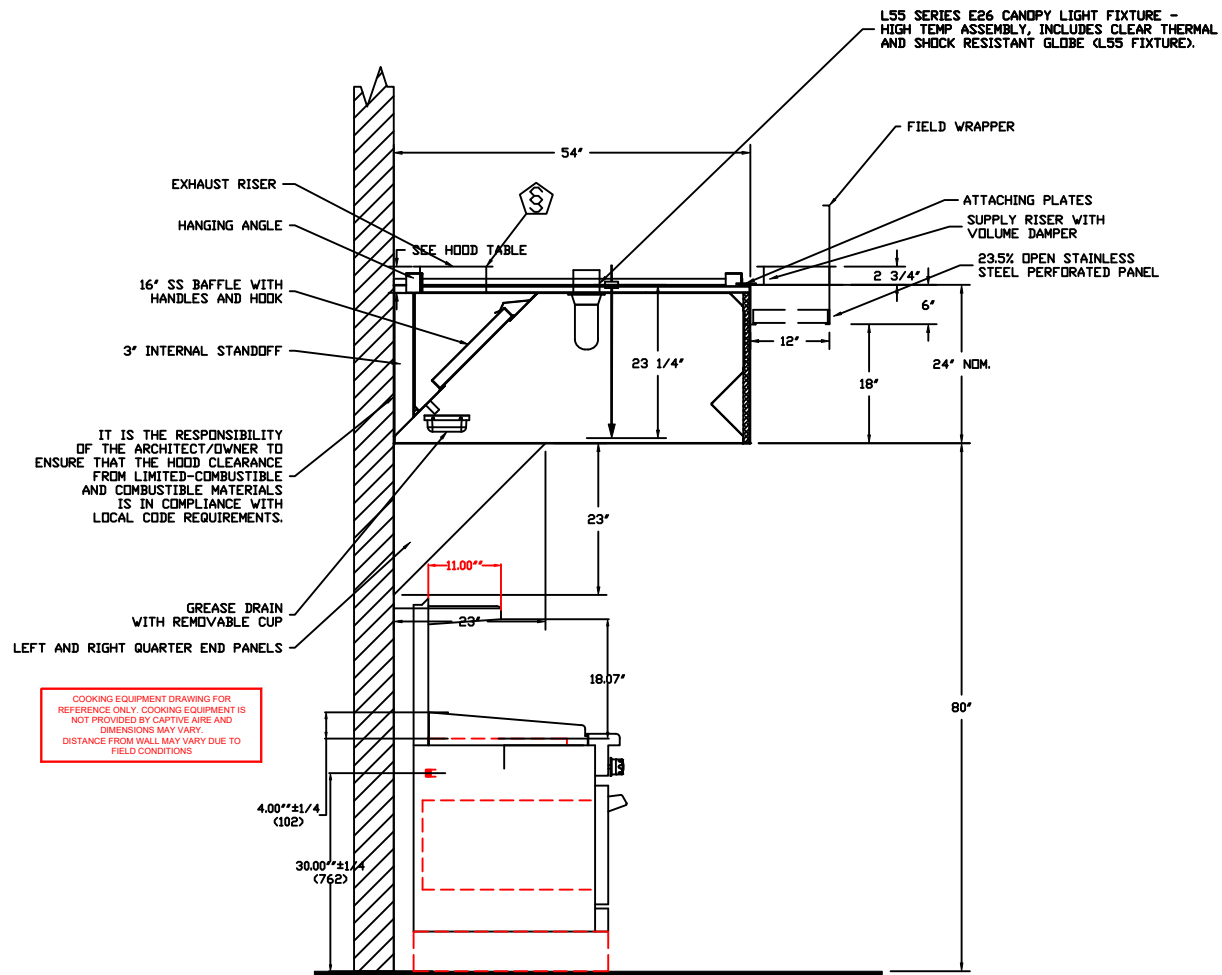
- 1A 1.5 GALLON TANK
- 1B 3 GALLON TANK
- 2 DEM AUTOMAN RELEASE
- 3 DEM REGULATED RELEASE
- 4 DEM REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 12 HOSE ASSEMBLY
- 1100 DUCT NOZZLE (430913)
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



CAPTIVE AIR

JOB JERSEY MIKE'S	
LOCATION CAMERON, NC	
DATE 6/6/19	JOB # 5159853
DWG # 3	DRAWN BY DF-32
REV.	SCALE Not To Scale

ANSUL APPLIANCE PROTECTION DETAILS



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #1

DUCT NOZZLE AND
PLENUM SPRAY BAR LOCATION

COOKING EQUIPMENT DRAWING FOR REFERENCE ONLY. COOKING EQUIPMENT IS NOT PROVIDED BY CAPTIVE AIR AND DIMENSIONS MAY VARY. DISTANCE FROM WALL MAY VARY DUE TO FIELD CONDITIONS.



CAPTIVE AIR

JOB JERSEY MIKE'S	
LOCATION CAMERON, NC	
DATE 6/6/19	JOB # 5159853
DWG # 4	DRAWN BY DF-32
REV.	SCALE Not To Scale

GRIDDLE FAN (CANOPY HOOD)

EXHAUST FAN INFORMATION

FAN UNIT MODEL #	MODEL	CFM	ESP.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
DU50HFA	DU50HFA	1000	1.000	1471	0.500	1	115	8.4	84	15.3

FAN OPTIONS

1 - Grease Box

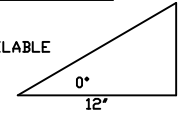
CURB ASSEMBLIES

DN FAN	WEIGHT	ITEM	SIZE
DU50HFA	38 LBS	Curb	19.500"W x 19.500"L x 26.000"H Vented Hinged

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



ATTENTION!
INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH!
MESSAGE ON LABEL:
"INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO LET FAN MAKE COMPLETE SWING"

IF ROOF INSULATION THICKNESS IS GREATER THAN 7.5" PLEASE CONTACT CAPTIVEAIRE TO EITHER ORDER TALLER CURBS OR WINDBAND EXTENSION

FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST

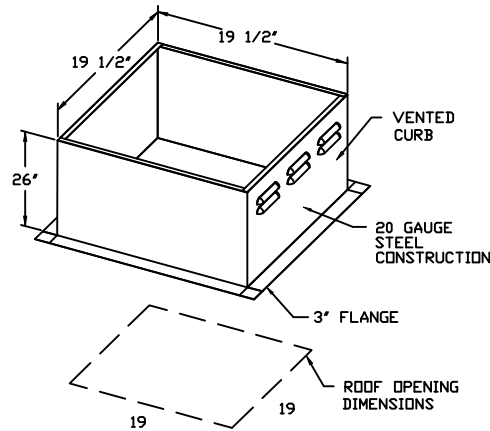
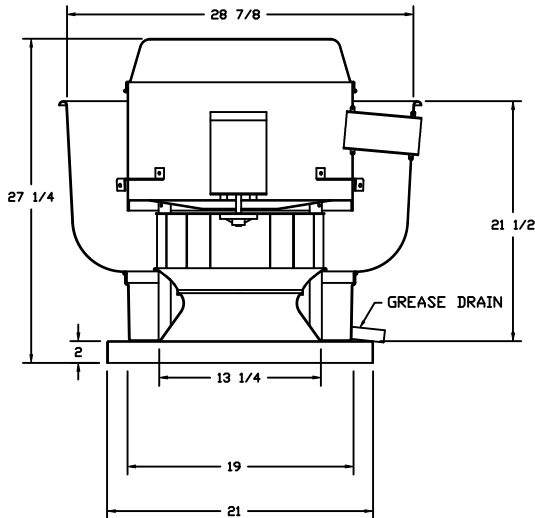
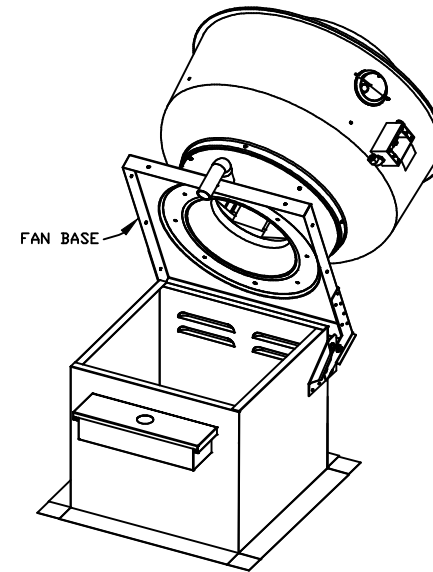
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

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.

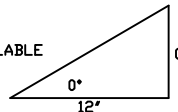
OPTIONS

GREASE BOX



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



CAPTIVEAIRE

JOB		JERSEY MIKE'S	
LOCATION		CAMERON, NC	
DATE	6/6/19	JOB #	5159853
DWG #	5	DRAWN BY	DF-32
REV.		SCALE	Not To Scale

NON TEMPERED SUPPLY FAN (DOWN DISCHARGE)

***NOTE: Verify CFM with Hood Drawing**

MUA FAN INFORMATION

FAN UNIT MODEL #	BLOWER	HOUSING	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
A1-G10	G10D	A1	750	0.500	814	1.000	0.4140	1	115	10.2	212	16.1

FAN OPTIONS

OPTION (Qty. - Descr.)

1 - ECM Wiring Package-Supply Fans Untempered- Manual Speed Control.

CURB ASSEMBLIES

ON FAN	WEIGHT	ITEM	SIZE
A1-G10D	29 LBS	Curb	21.000"W x 21.000"L x 20.000"H

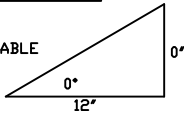
FAN #3 A1-G10D - SUPPLY FAN (DOWN)

1. DIRECT DRIVE DIRECT DRIVE UNTEMPERED SUPPLY UNIT WITH 10" BLOWER IN SIZE #1 HOUSING WITH SPEED CONTROL, DISCONNECT SWITCH.
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. ECM WIRING PACKAGE AND MANUAL CONTROL FOR ECM MOTORS ON SUPPLY PRVS.

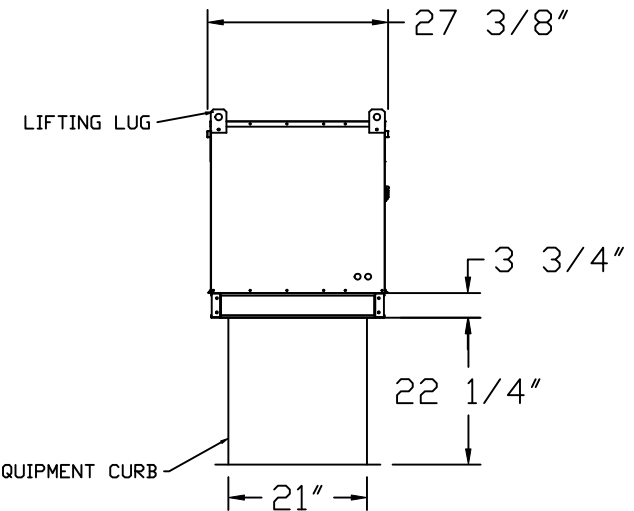
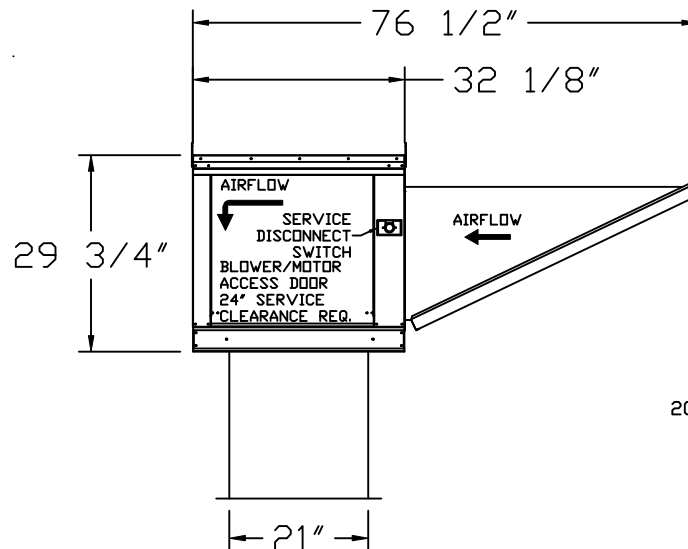
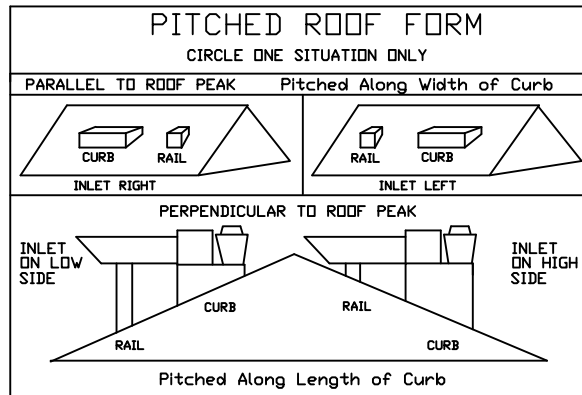
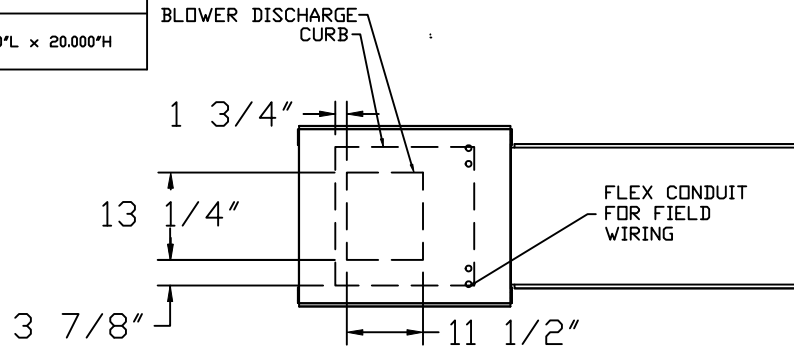


VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



ROOF OPENING 2" SMALLER THAN CURB DIMENSION.



CAPTIVE AIR

JOB JERSEY MIKE'S	
LOCATION CAMERON, NC	
DATE 6/6/19	JOB # 5159853
DWG # 6	DRAWN BY DF-32
REV.	SCALE Not To Scale

ELECTRICAL PACKAGES

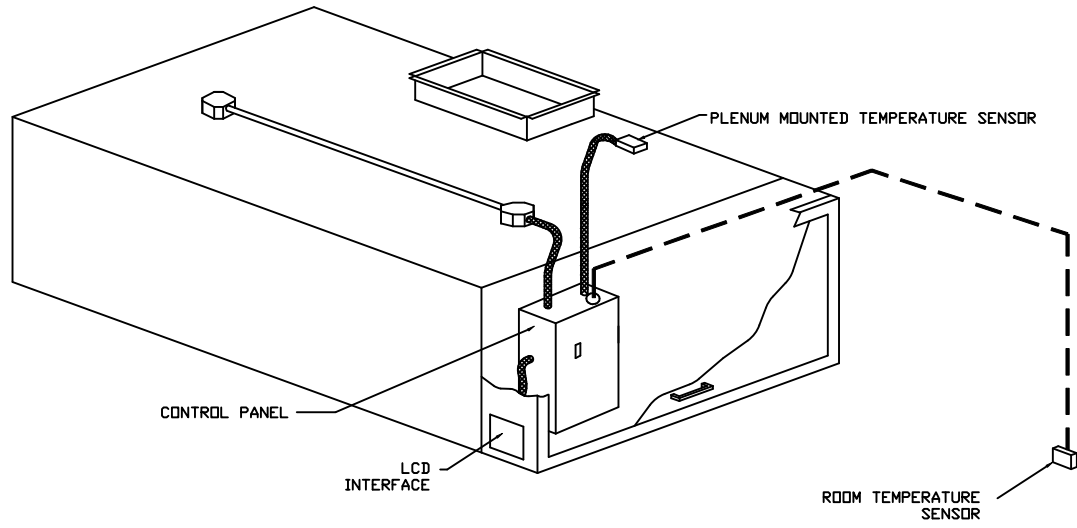
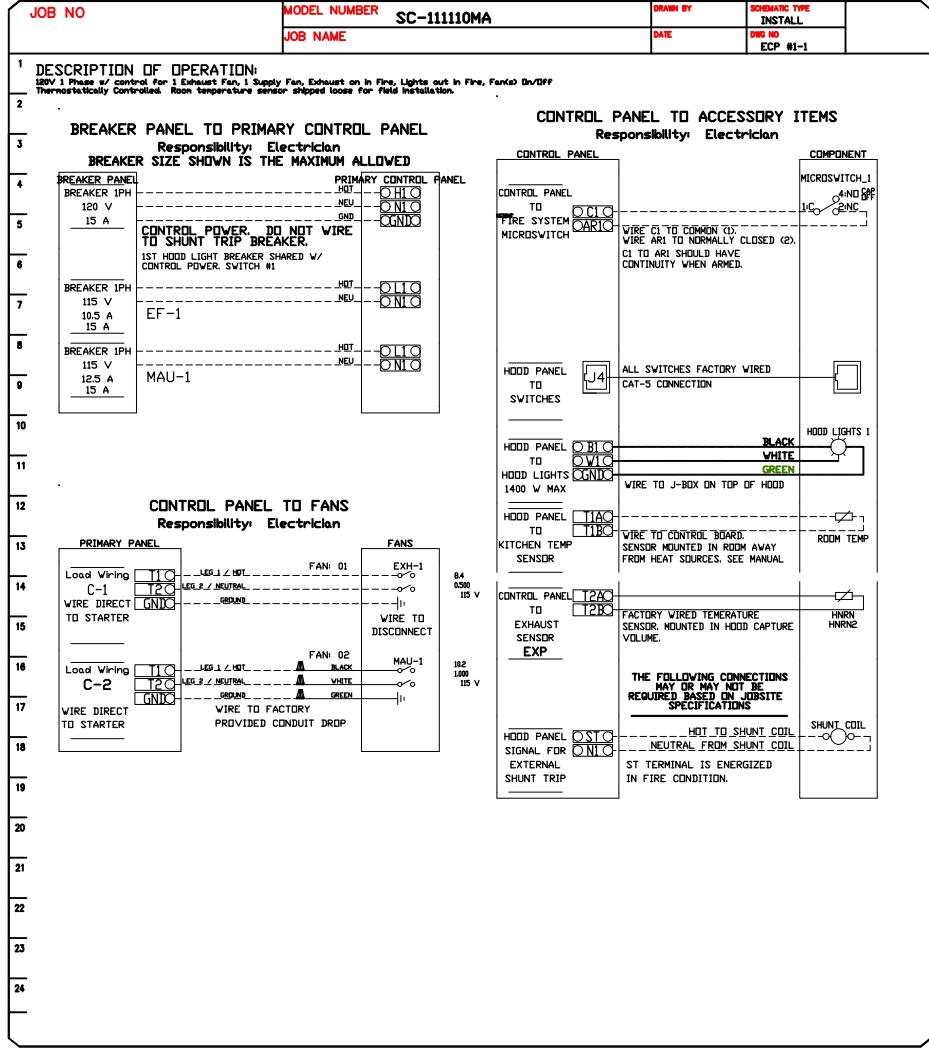
NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	?	H.P.	VOLT	FLA
1		SC-111110MA	Right Utility Cabinet	Right Utility Cabinet	1 Light	Smart Controls Thermostatic Control		Exhaust	1	0.500	115	8.4
				Hood # 1	1 Fan		DOWN	Supply	1	1.000	115	10.2

ROOM TEMPERATURE SENSOR



The Room Temperature sensor is a 10K Ohm Thermistor. The sensor provides constant room temperature to the controller. It should be installed on a wall somewhere in the space but not directly under the hood or close to an appliance so that the reading is not affected by heat.

Typically a system will have one room temperature sensor. However, systems configured with 2 fan zones have the option to be ordered with 2 room temperature sensors, one for each zone. They should be mounted in the space accordingly.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATION - HOOD CONTROLS ELECTRICAL PACKAGE: FP SERIES

Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. One room temperature sensor is installed in the space to measure ambient air temperature.

Automatic activation: Turn on cooking appliances. Exhaust fan(s) (and supply fan(s), if present) will automatically energize when duct temperature exceeds pre-set differential with respect to ambient room temperature (factory setpoint differential = 10 degrees F) adjustable). At the end of the day, after cooking operations have ceased, the fan(s) will shut off when the duct temperature falls below the setpoint differential.

FIRE CONDITION
 IN THE EVENT OF A FIRE, A SIGNAL IS SENT ACROSS THE NORMALLY OPEN DRY CONTACT OF THE FIRE SUPPRESSION SYSTEM MICROSWITCH (INTERLOCKED WITH HOOD CONTROL PANEL BY ELECTRICIAN). EXHAUST FAN(S) TO REMAIN RUNNING, SUPPLY FAN(S) TO DE-ENERGIZE, LIGHTING CIRCUIT(S) TO DE-ENERGIZE, GAS/ELECTRIC TO SHUT OFF. MICROSWITCH MUST BE RESET PRIOR TO RESUMPTION OF NORMAL OPERATION.

Two methods to activate system:

Manual activation: Operator presses the fan button to energize starter(s) and start the exhaust fan(s). Supply fan(s), if present, will be activated by factory pre-wired interlock.



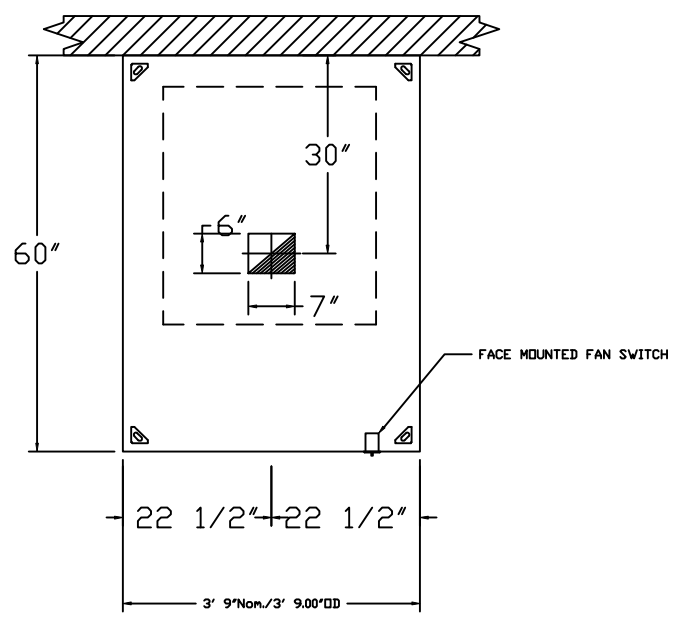
JOB JERSEY MIKE'S	
LOCATION CAMERON, NC	
DATE 6/6/19	JOB # 5159853
DWG # 7	DRAWN BY DF-32
REV.	SCALE Not To Scale

BREAD OVEN HOOD (BACK WALL)

MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG.		SWITCHES		HOOD HANGING WGT
			TOTAL EXH. CFM	WIDTH	LENG.	HEIGHT	DIA.	CFM	S.P.		END TO END	ROW	QUANTITY	LOCATION	
6024 VHB-ND	3' 9.00'	700 Deg.	375	6'	7'	4'		375	-0.062'	430 SS 100%	ALONE	ALONE	1 FAN	FRONT RIGHT FACE	214 LBS

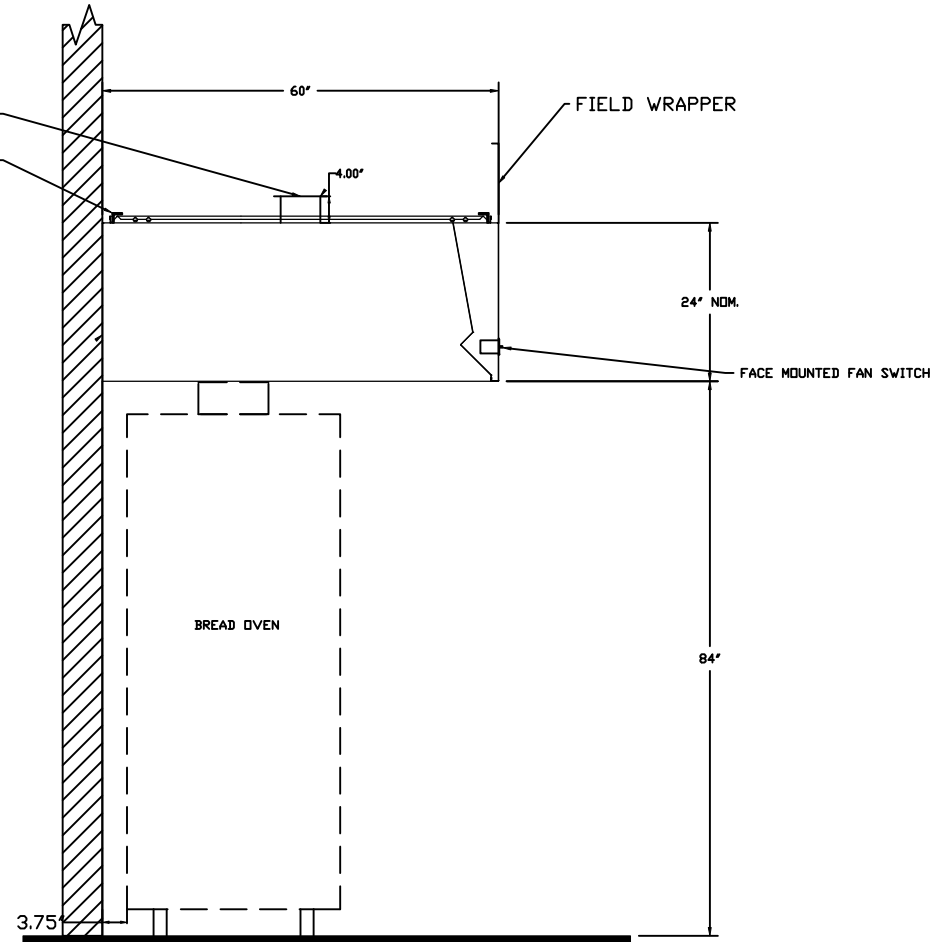
VERIFY CEILING HEIGHT
 Height required to verify that the hood will fit and to size the enclosure panels

HOOD OPTIONS		OPTION	
HOOD NO.	TAG	DESCRIPTION	DETAILS
3		FIELD WRAPPER	12.00' High Front, Left, Right (VERIFY CEILING HEIGHT BEFORE ORDERING)
		BACKSPLASH	84.00' High X 45.00' Long 430 SS Vertical



PLAN VIEW - BREAD OVEN HOOD
 3' 9.00" LONG 6024VHB-ND

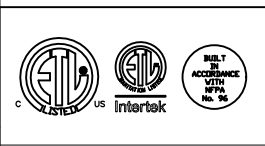
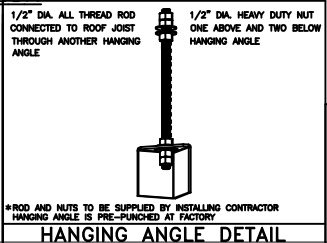
NOTE:
 EXHAUST FAN IS SIZED FOR A MAXIMUM OF (3) 90 DEGREE RADIUS ELBOWS AND 25 FT OF STRAIGHT DUCTWORK. PLEASE CONSULT CAPTIVEAIRE IF DUCTWORK EXCEEDS THE ABOVE REQUIREMENTS.



SECTION VIEW - MODEL 6024VHB-ND
 BREAD OVEN HOOD

ETL LISTING DESCRIPTION BLOCK

THE CAPTIVE AIRE MODEL VHB HAS BEEN U.L. 710 TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 150 CFM PER LINEAR FOOT OVER 700 DEGREE COOKING EQUIPMENT



JOB		JERSEY MIKE'S	
LOCATION		CAMERON, NC	
DATE	2019	JOB #	5159853
DWG #	8	DRAWN BY	DF-32
REV.		SCALE	Not To Scale

BREAD OVEN FAN

EXHAUST FAN INFORMATION

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		DU12HFA	375	0.500	1404	0.180	0.1220	1	115	1.9	54	7.9

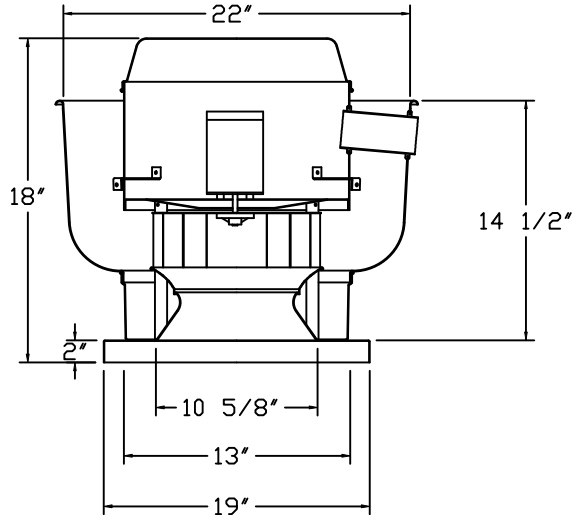
FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - 1 1/2-BDD Damper

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	31 LBS	Curb	17.500*W x 17.500*L x 26.000*H

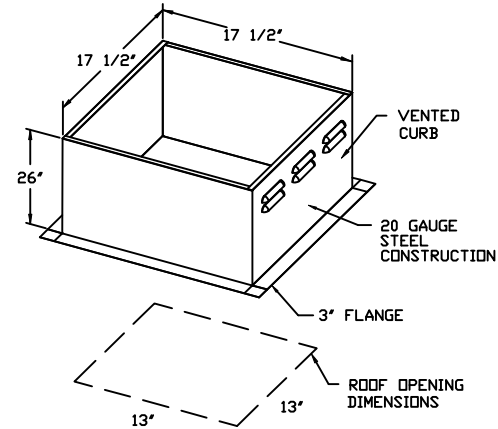
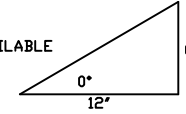
FAN #1 DU12HFA - EXHAUST FAN



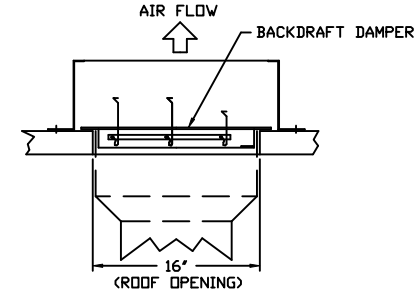
VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



BACKDRAFT DAMPER INSTALLATION



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)

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.



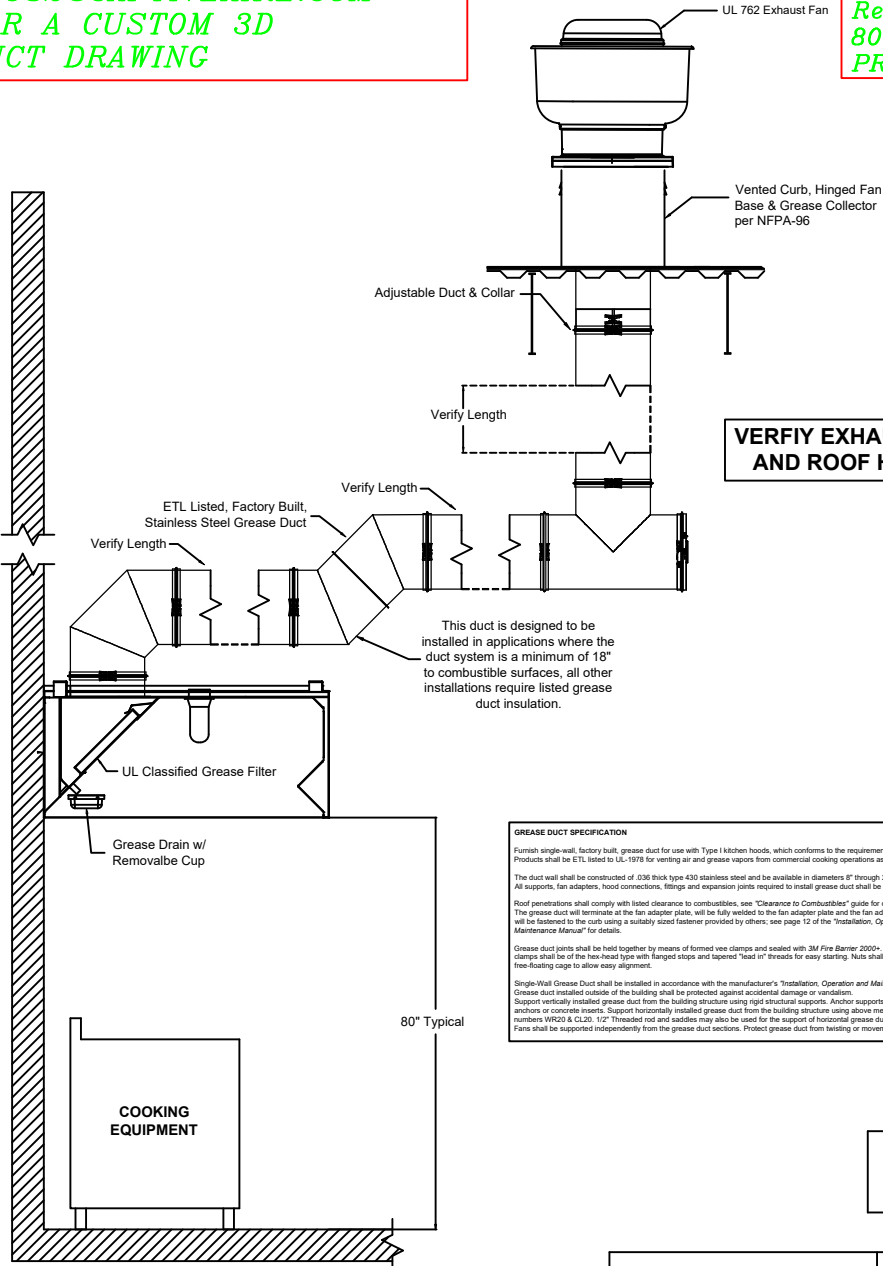
CAPTIVEAIR

JOB	JERSEY MIKE'S
LOCATION	CAMERON, NC
DATE	2019
JOB #	5159853
DWG #	9
DRAWN BY	DF-32
REV.	SCALE Not To Scale

GRIDDLE HOOD DUCTWORK

PLEASE CONTACT
REG32@CAPTIVEAIRE.COM
FOR A CUSTOM 3D
DUCT DRAWING

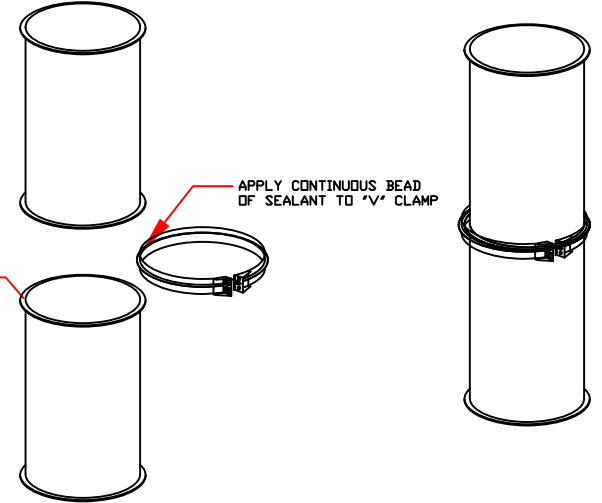
CAPTIVEAIRE LISTED GREASE
DUCTWORK IS PROVIDED BY
GENERAL CONTRACTOR,
CONTACT
Reg32na@captiveaire.com
800-988-0881 FOR
PROCUREMENT



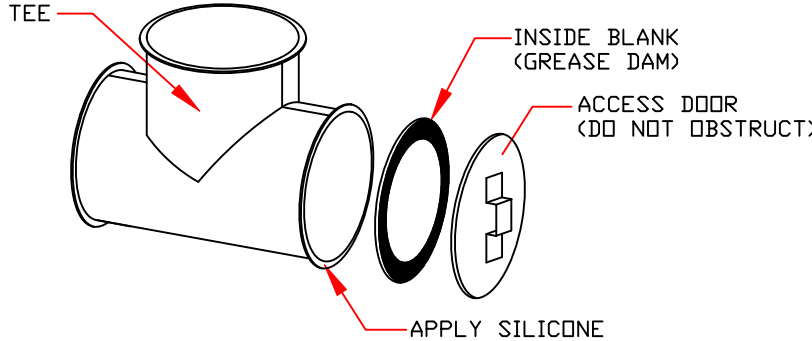
VERIFY EXHAUST RUN
AND ROOF HEIGHT

This duct is designed to be installed in applications where the duct system is a minimum of 18" to combustible surfaces, all other installations require listed grease duct insulation.

GREASE DUCT SPECIFICATION
Furnish single-wall, factory built, grease duct for use with Type I Kitchen hoods, which conforms to the requirements of NFPA-96. Products shall be ETL listed to UL-197B for venting air and grease vapors from commercial cooking operations as described in NFPA-96.
The duct wall shall be constructed of .036 thick type 430 stainless steel and be available in diameters 8" through 24".
All supports, fan adapters, hood connections, fittings and expansion joints required to install grease duct shall be included.
Roof penetrations shall comply with listed clearance to combustibles, see "Clearance to Combustibles" guide for details.
The grease duct will terminate at the fan adapter plate, will be fully welded to the fan adapter plate and the fan adapter plate will be fastened to the curb using a suitably sized fastener provided by others, see page 12 of the "Installation, Operation and Maintenance Manual" for details.
Grease duct joints shall be held together by means of formed vee clamps and sealed with 3M Fire Barrier 2000+. Screws used to secure the vee clamps shall be of the hex-head type with flanged stops and tapered "lead in" threads for easy starting. Nuts shall be retained by means of a free-floating cap to allow easy alignment.
Single-Wall Grease Duct shall be installed in accordance with the manufacturer's "Installation, Operation and Maintenance Manual", ETL listing and state and local codes.
Grease duct installed outside of the building shall be protected against accidental damage or vandalism.
Support vertically installed grease duct from the building structure using rigid structural supports. Anchor supports to the structure by welding or bolting steel expansion anchors or concrete inserts. Support horizontally installed grease duct from the building structure using above method or use Duct Mate, Wire Rope & Clutches, part numbers WR20 & CL20. 1/2" threaded rod and saddles may also be used for the support of horizontal grease duct.
Fans shall be supported independently from the grease duct sections. Protect grease duct from twisting or movement caused by fan torque or vibration.



D APPLICATION OF SEALANT



E APPLICATION OF SEALANT II

DUCTWORK PROVIDED THROUGH THE GENERAL CONTRACTOR



JOB		JERSEY MIKE'S	
LOCATION		CAMERON, NC	
DATE	6/6/19	JOB #	5159853
DWG #	10	DRAWN BY	DF-32
REV.		SCALE	Not To Scale

GRIDDLE HOOD DUCTWORK



GREASE DUCT & CHIMNEY SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURER'S INSTALLATION GUIDE.

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURER'S 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 CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted	<input type="checkbox"/>
Approved with NO Exception Taken	<input type="checkbox"/>
Revise and Resubmit	<input type="checkbox"/>
SIGNATURE _____	
Your Title _____	Date _____

CLEARANCE TO COMBUSTIBLES

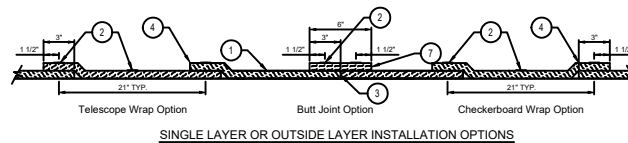
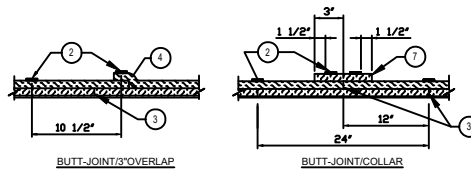
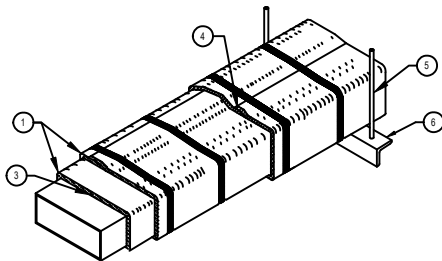
DIAMETER	COMBUSTIBLES	LIMITED COMBUSTIBLES	NON COMBUSTIBLES
8"	18"	3"	0"
10"	18"	3"	0"
12"	18"	3"	0"
14"	18"	3"	0"
16"	18"	3"	0"
18"	18"	3"	0"
20"	18"	3"	0"
24"	18"	3"	0"

Thermal Ceramics

Firemaster® Fast Wrap XL

Commercial Kitchen Grease Duct Enclosure System Air Ventilation Duct Enclosure System

1 or 2 Hour Shaft Alternative / Zero Clearance to Combustibles



SINGLE LAYER OR OUTSIDE LAYER INSTALLATION OPTIONS

LEGEND

1	Two Layers of Firemaster Fast Wrap XL Blanket for Grease Duct Enclosures One Layer of Firemaster Fast Wrap XL Blanket for Air Ventilation Duct Enclosures
2	Steel banding minimum 1/2" wide by 0.015" thick.
3	Tight butt joints on inner layer
4	Min. 3" overlap on perimeter and between adjacent blanket on outside layer
5	Min. 3/8" diameter hanger rod
6	Min. 2" x 2" x 1/8" angle for Grease Duct Enclosures Min. 1-1/2" x 1-1/2" x 1/8" angle or SMACNA Equivalent for Air Ventilation Duct Enclosures
7	Optional 8" FireMaster Fast Wrap XL collar

The integrity of Pyrosol duct systems is limited to the quality of the installation.



CAPTIVEAIRE

GREASE DUCT SPECIFICATION

Furnish single-wall, factory built, grease duct for use with Type I kitchen hoods, which conforms to the requirements of NFPA-96; **CAPTIVEAIRE** or approved equal. Products shall be ETL listed to the UL-1978 standard for venting air and grease vapors from commercial cooking operations as described in NFPA-96.

The duct wall shall be constructed of .036" thick type 430 stainless steel and be available in diameters of 8" to 24". The grease duct termination at the fan shall be fully welded to a fan adapter plate (where applicable) and the adapter plate shall be fastened to the curb using a suitably sized fastener provided by others. [See Detail A](#)

The duct shall be listed with 18" clearance to combustible materials, 3" clearance to limited combustible materials and 0" clearance to non-combustible materials. Combustible materials are to be defined by the authority having jurisdiction. In cases where the duct distance to combustible materials is less than specified above, insulating products must be installed providing a reduced listing clearance. Approved insulating products include Firemaster Fast Wrap XL or equal when installed in accordance with the manufacturer's instructions. [See Details B & C](#)

Grease duct joints shall be held together by means of formed vee clamps and sealed with 3M Fire Barrier 2000+. Screws used to secure the vee clamps shall be of the hex-head type with flanged stops and tapered "lead in" threads for easy starting. Nuts shall be retained by means of a free-floating cage to allow easy alignment. A continuous bead of sealant is to be applied to the duct flange to flange connection, as well as to the "V" groove of the vee clamp. [See Detail D](#)

Single-Wall Grease Duct shall be installed in accordance with the manufacturer's "Installation, Operation and Maintenance Manual", ETL listing and state and local codes. Grease duct installed outside of the building shall be protected against accidental damage or vandalism. Support vertically installed grease duct from the building structure using rigid structural supports. Anchor supports to the structure by welding or bolting steel expansion anchors or concrete inserts. Support horizontally installed grease duct from the building structure using above method or use *Duct Mate, Wire Rope & Clutchers*, part numbers WR20 & CL20. 1/2" Threaded rod and saddles may also be used for the support of horizontal grease duct. Fans shall be supported independently from the grease duct sections. Protect grease duct from twisting or movement caused by fan torque or vibration.

Grease duct installations require provisions for cleaning the interior of the duct. NFPA cleanup requirements are as follows:

1. A cleanup must be provided at each change of direction except where the entire length of duct can be inspected and cleaned from either the hood or the discharge end.
2. On horizontal duct runs, at least one 20" diameter opening must be provided. Where the opening is smaller than 20" diameter, openings large enough to permit cleaning must be provided at intervals of no more than 12'.
3. Openings must be at the side or the top, whichever is more accessible. When the opening is on the side of the duct, the lower edge of the opening must be at least 1 3/4" above the bottom of the duct. For listed grease duct, this is accomplished by the use of the grease manifold tee and cleanup cap. [See Detail E](#)
4. On vertical duct runs where personnel entry is possible, access must be from the top of the riser. Where entry is not possible, access must be provided at each floor.

JOB		JERSEY MIKE'S	
LOCATION		CAMERON, NC	
DATE	6/6/19	JOB #	5159853
DWG #	11	DRAWN BY	DF-32
REV.		SCALE	Not To Scale