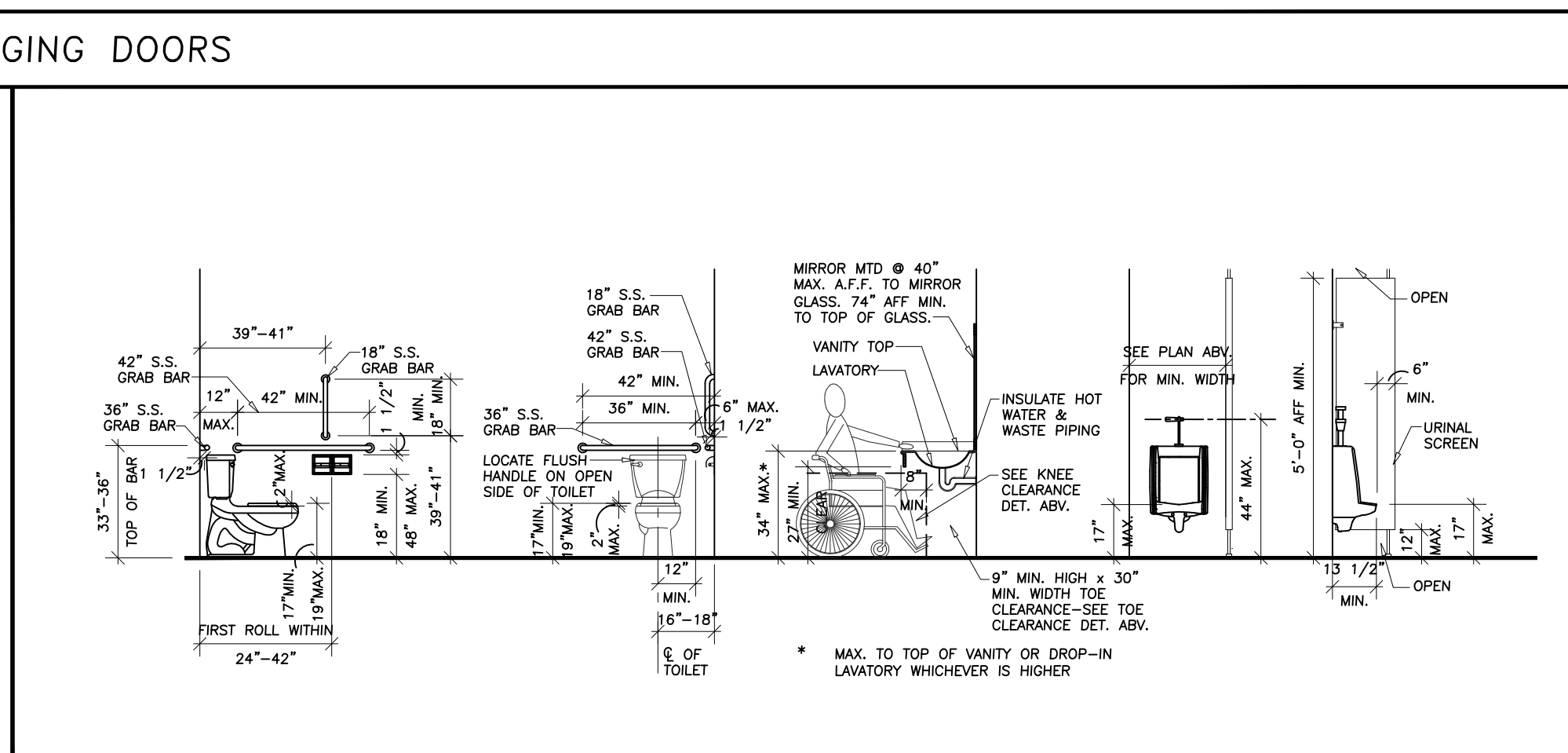
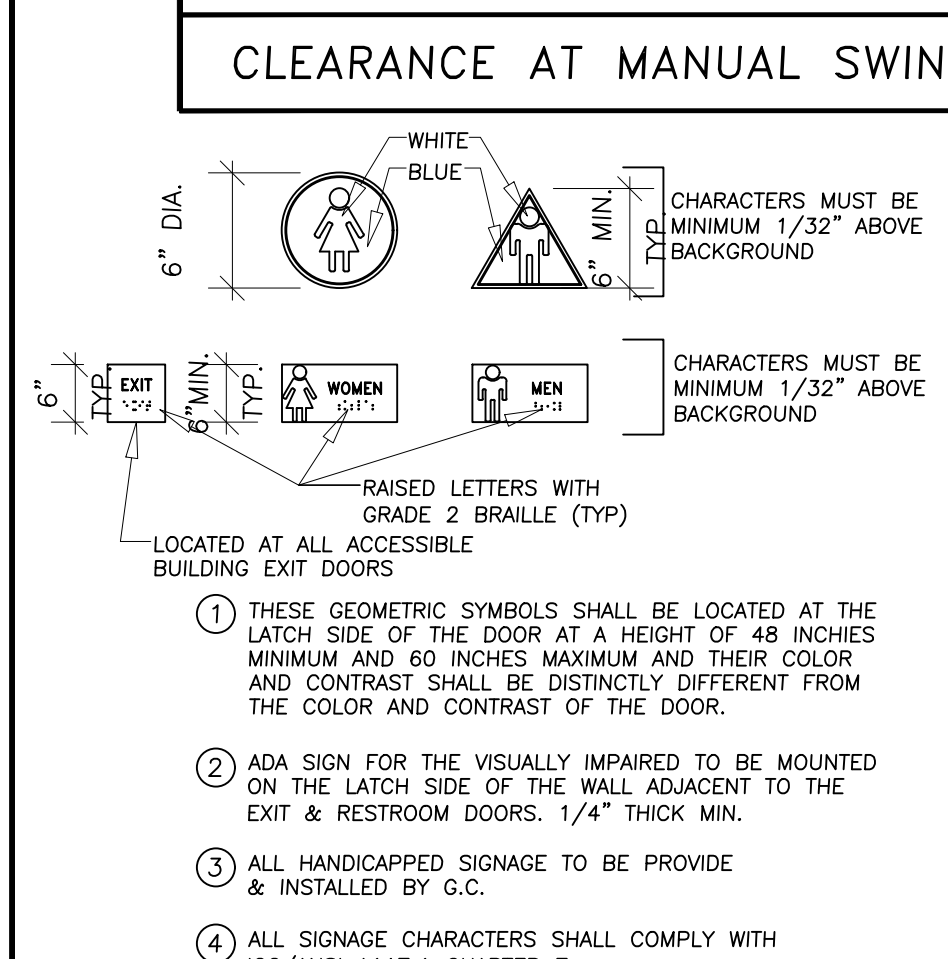
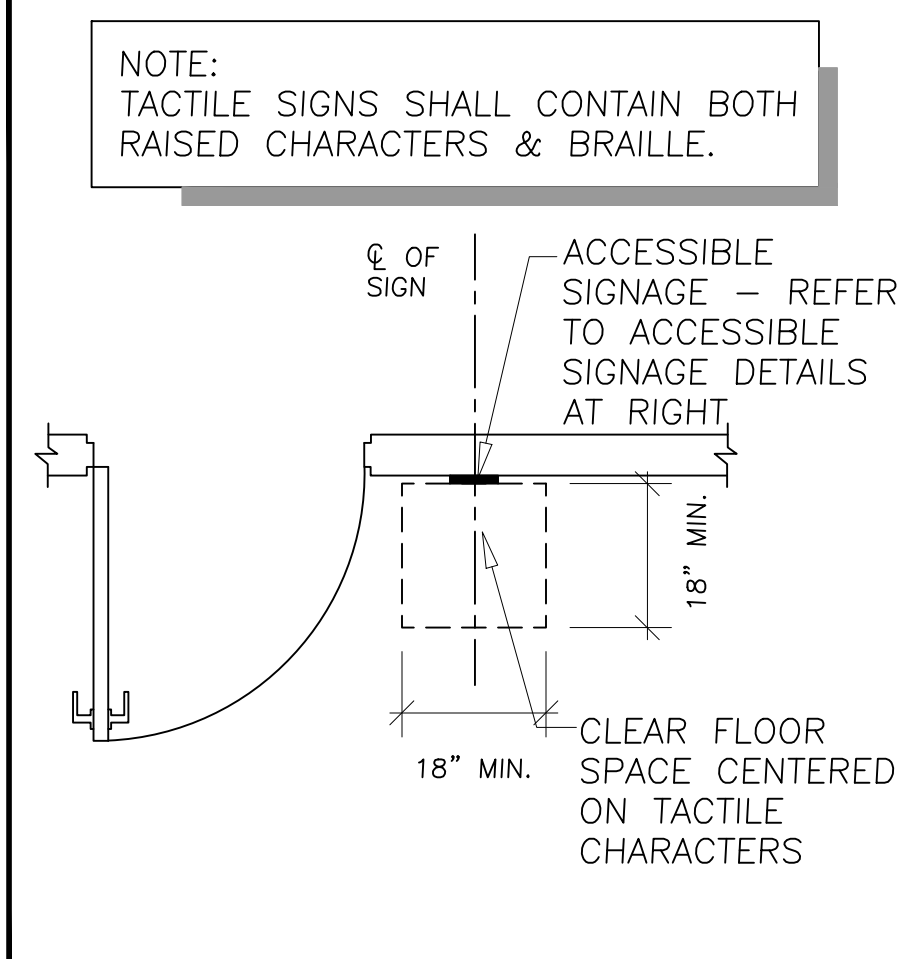
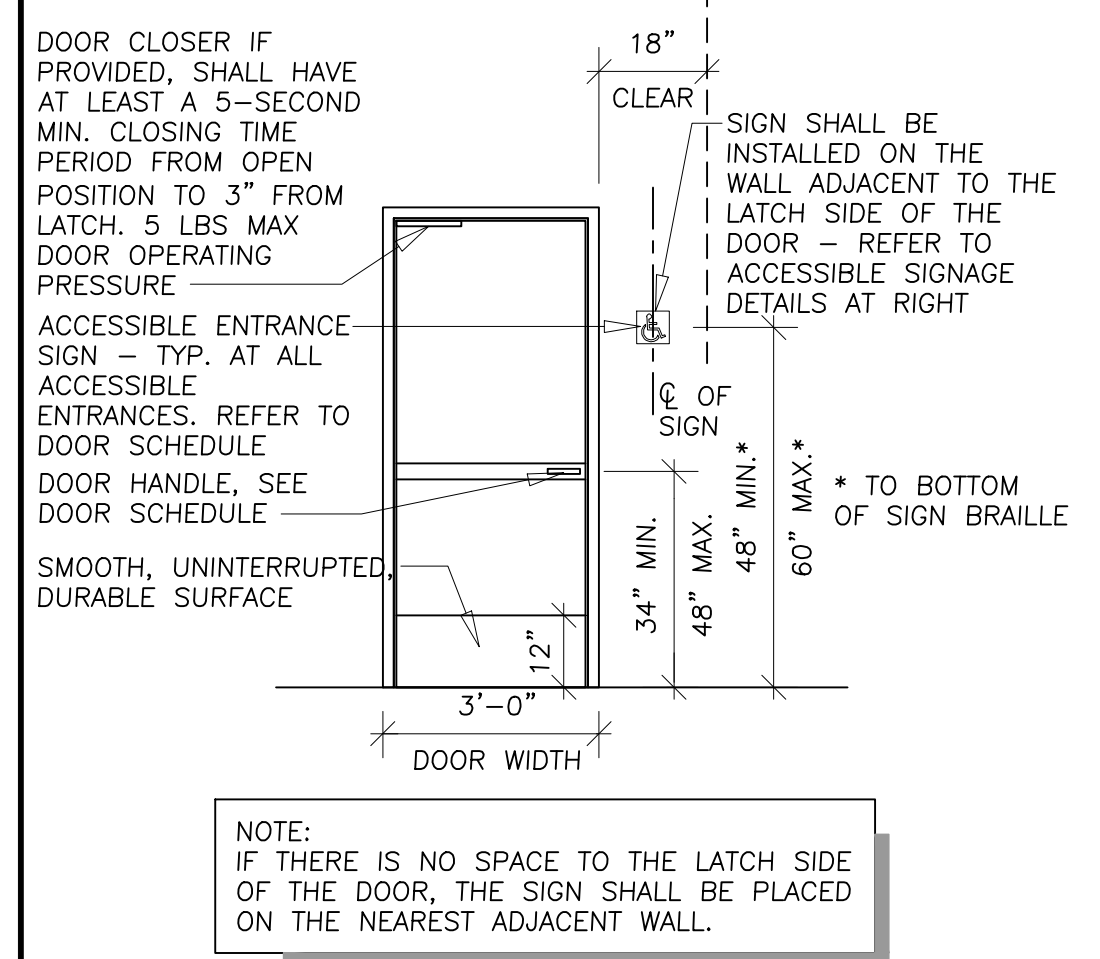
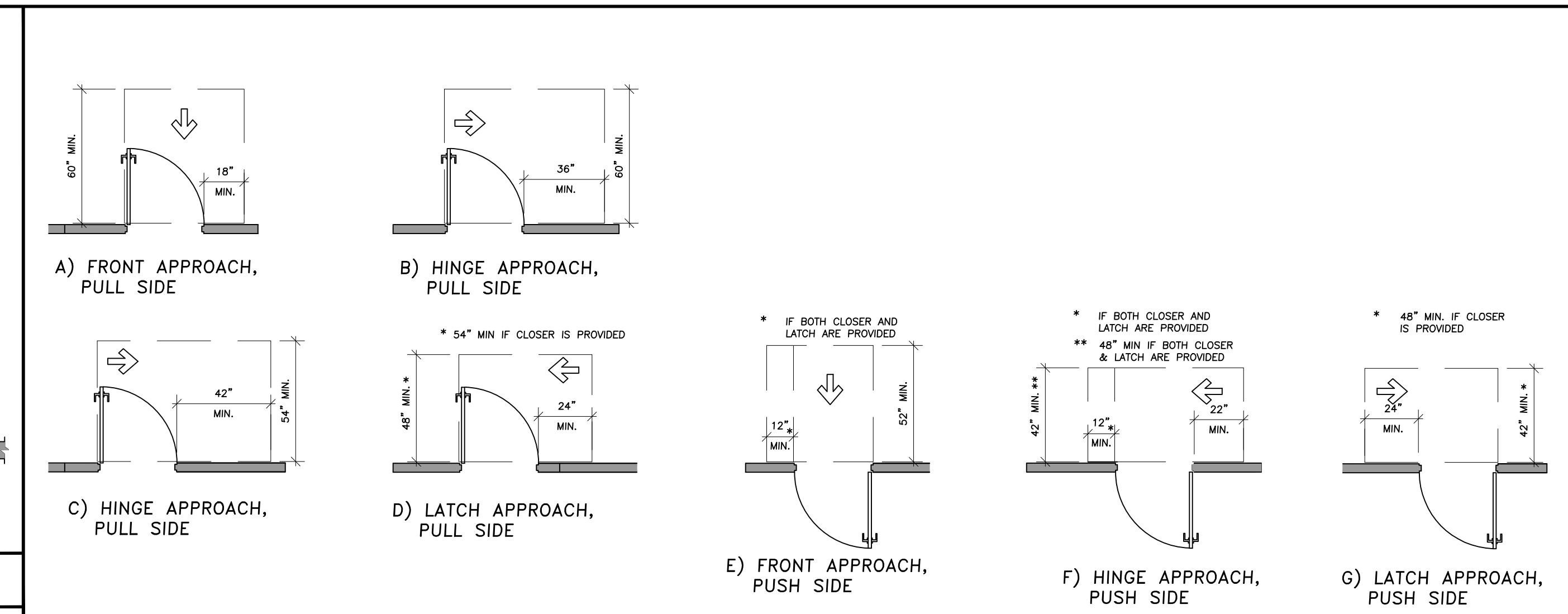
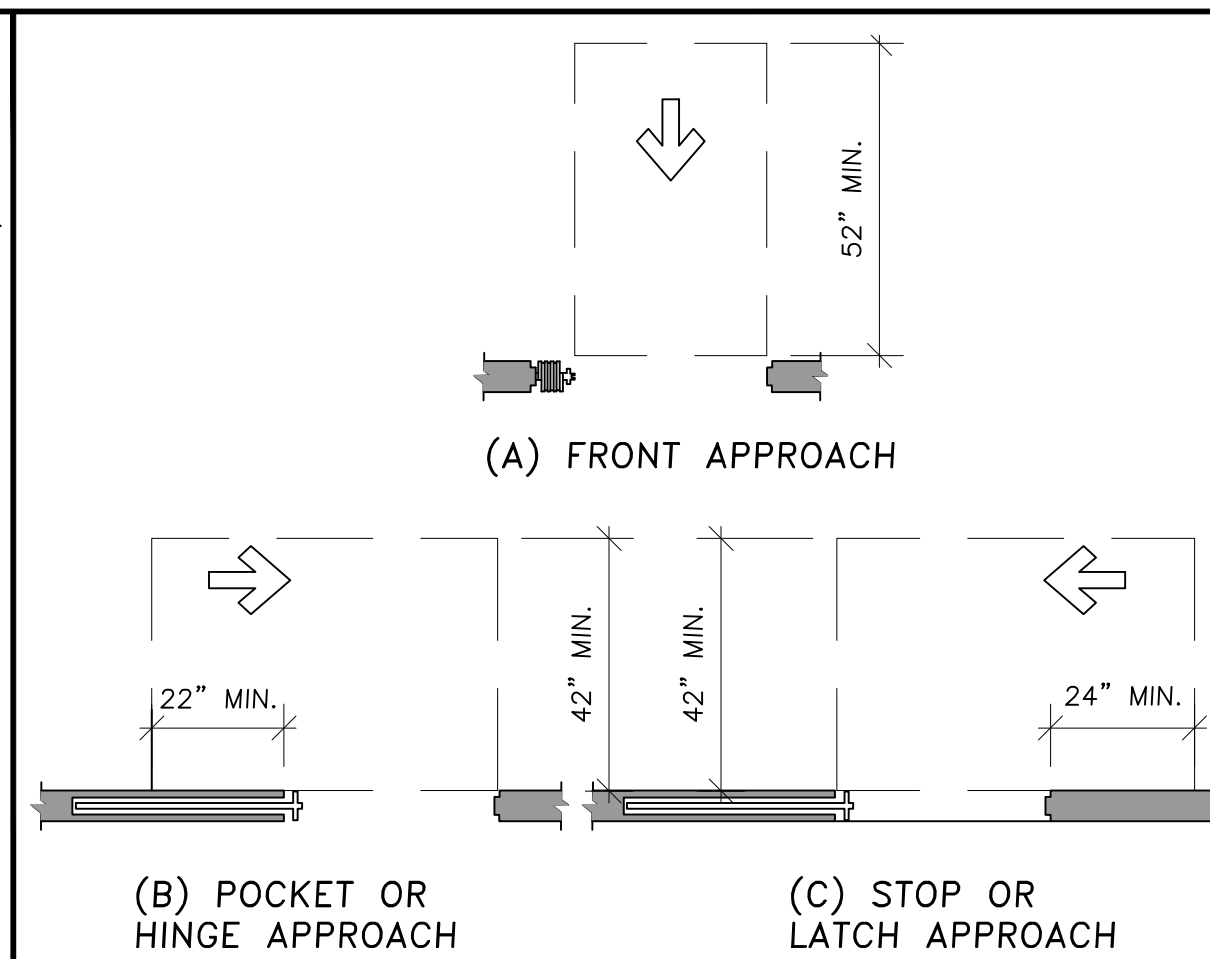
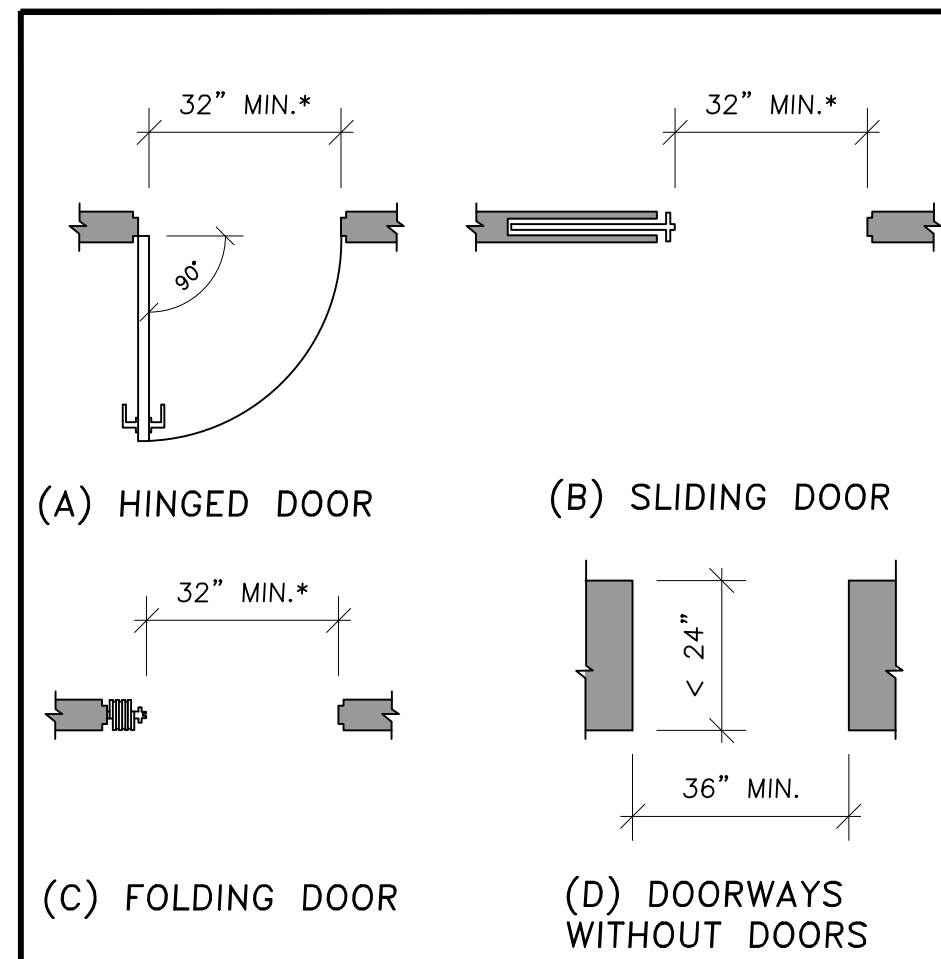




PLAN DATES

DUNN,
NORTH CAROLINA

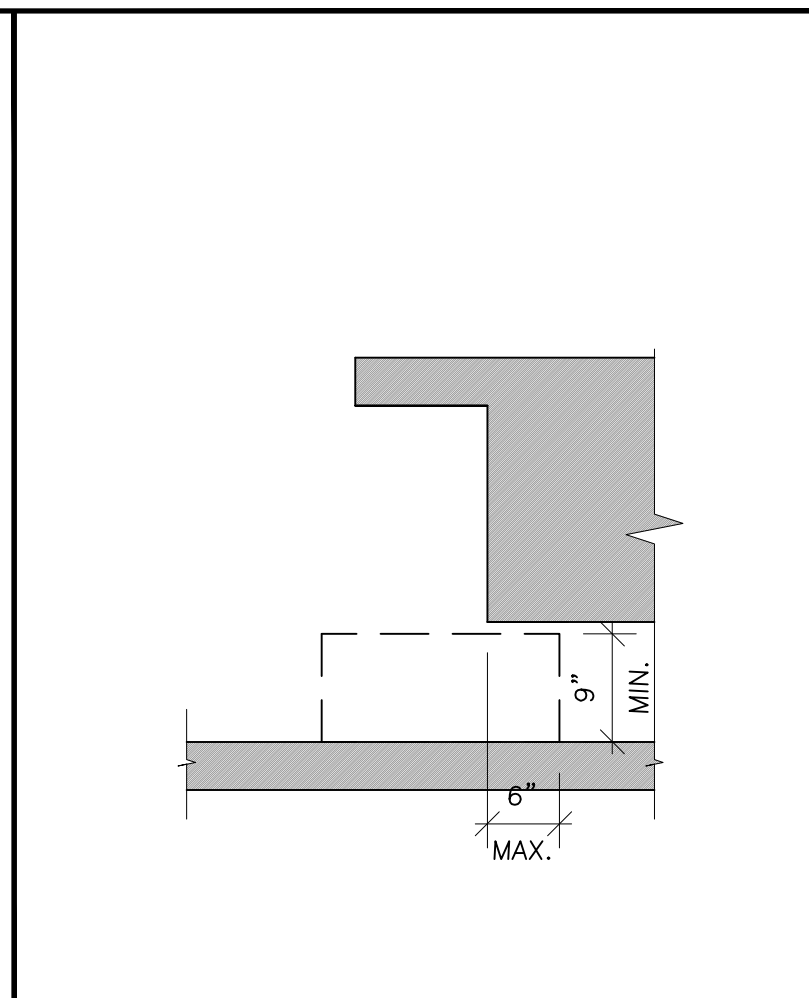
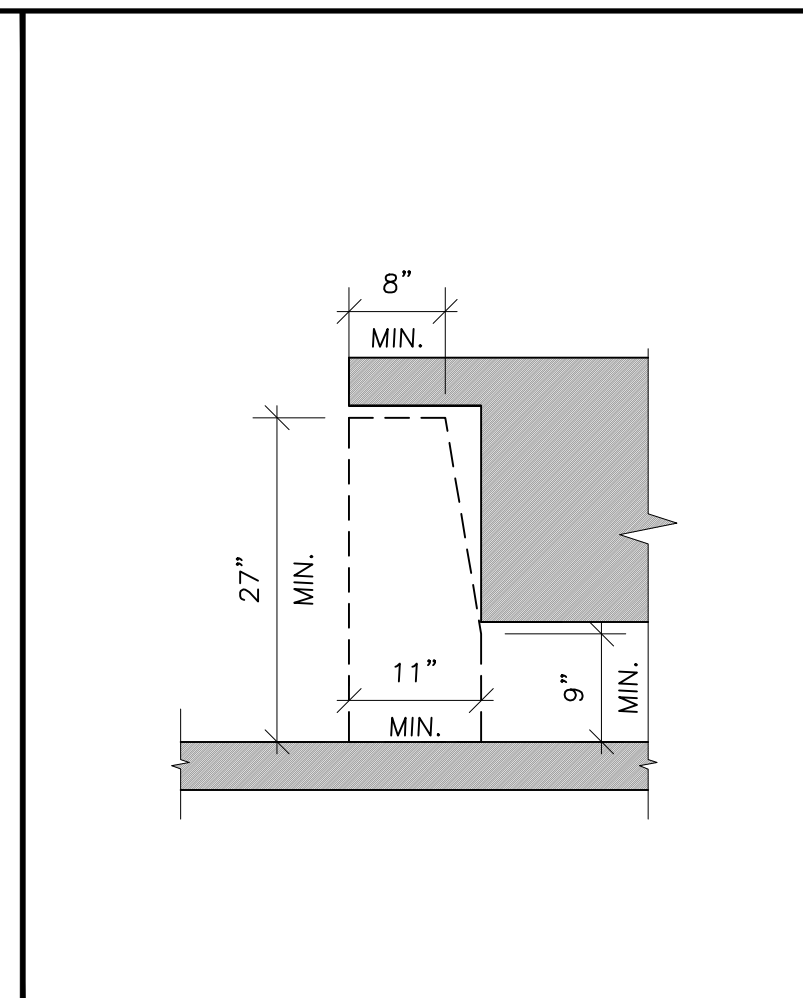
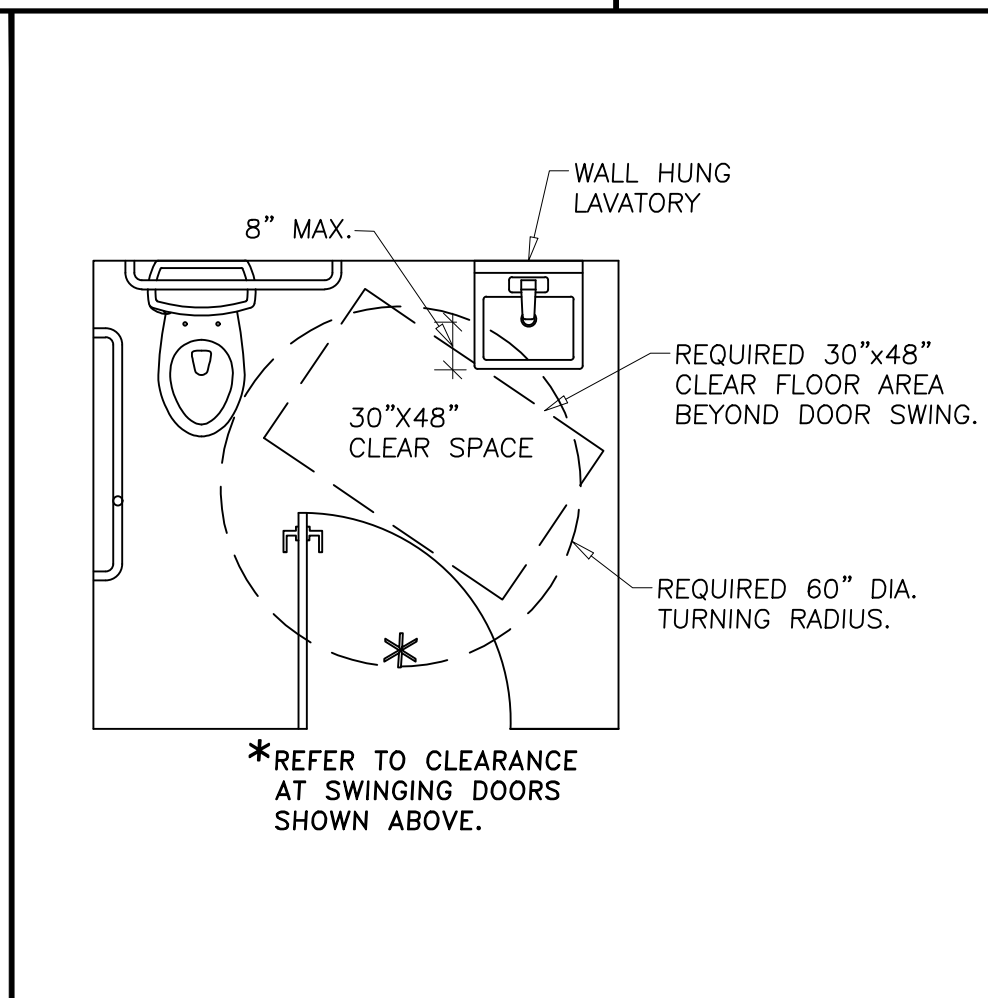
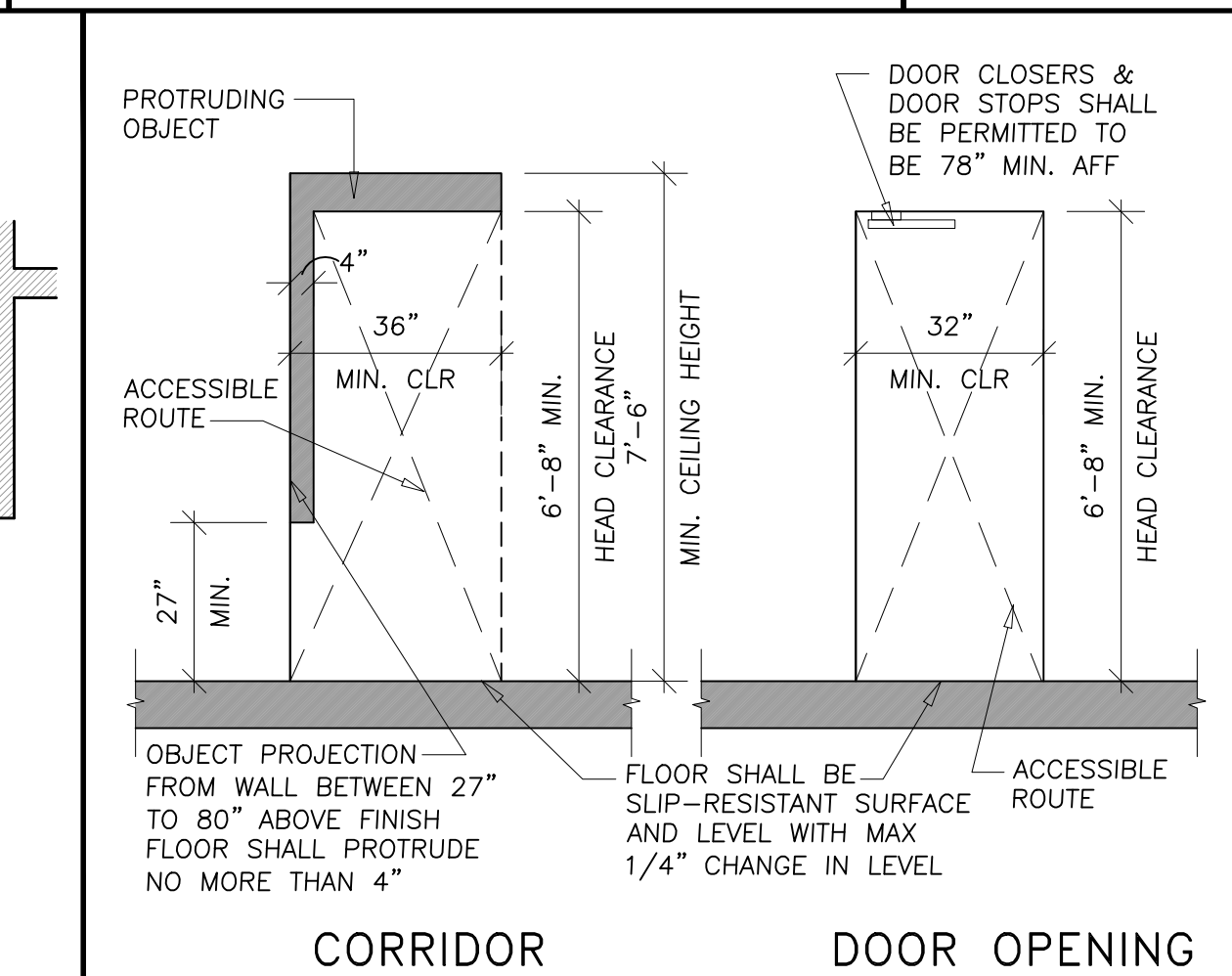
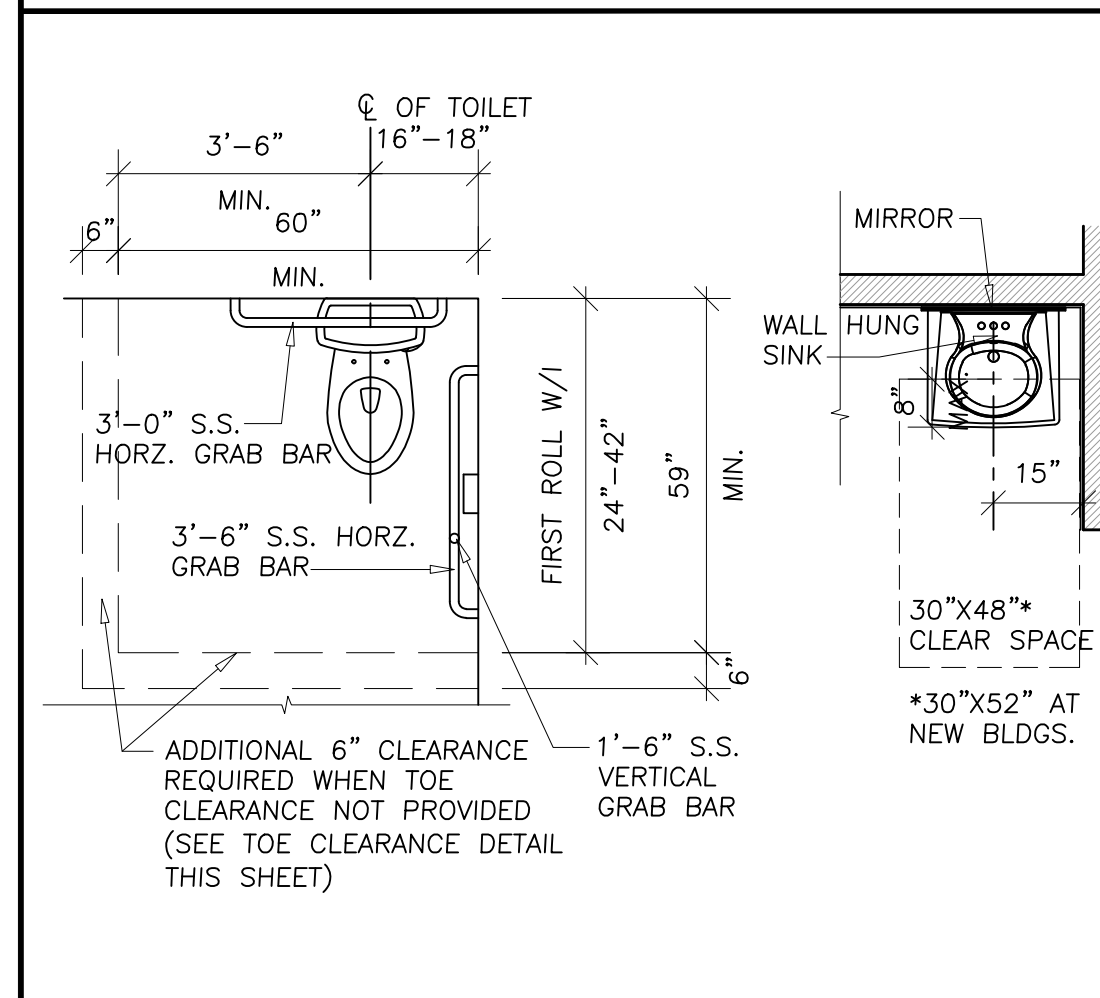


ACCESSIBLE DOOR ELEVATION

ACCESSIBLE SIGN PLAN

ACCESSIBLE SIGNAGE DETAILS

ACCESSIBLE TOILET FIXTURE MOUNTING DIMENSIONS



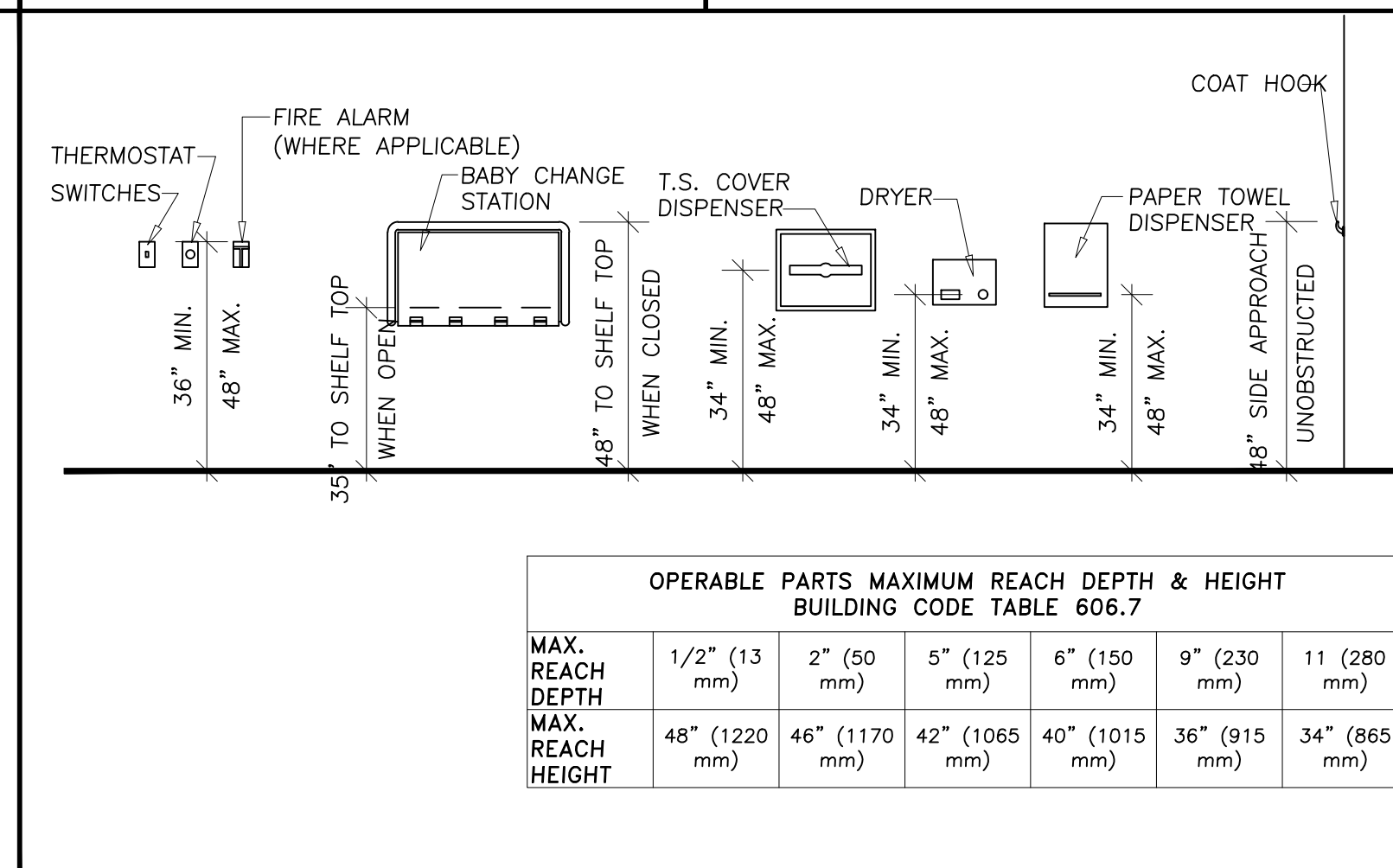
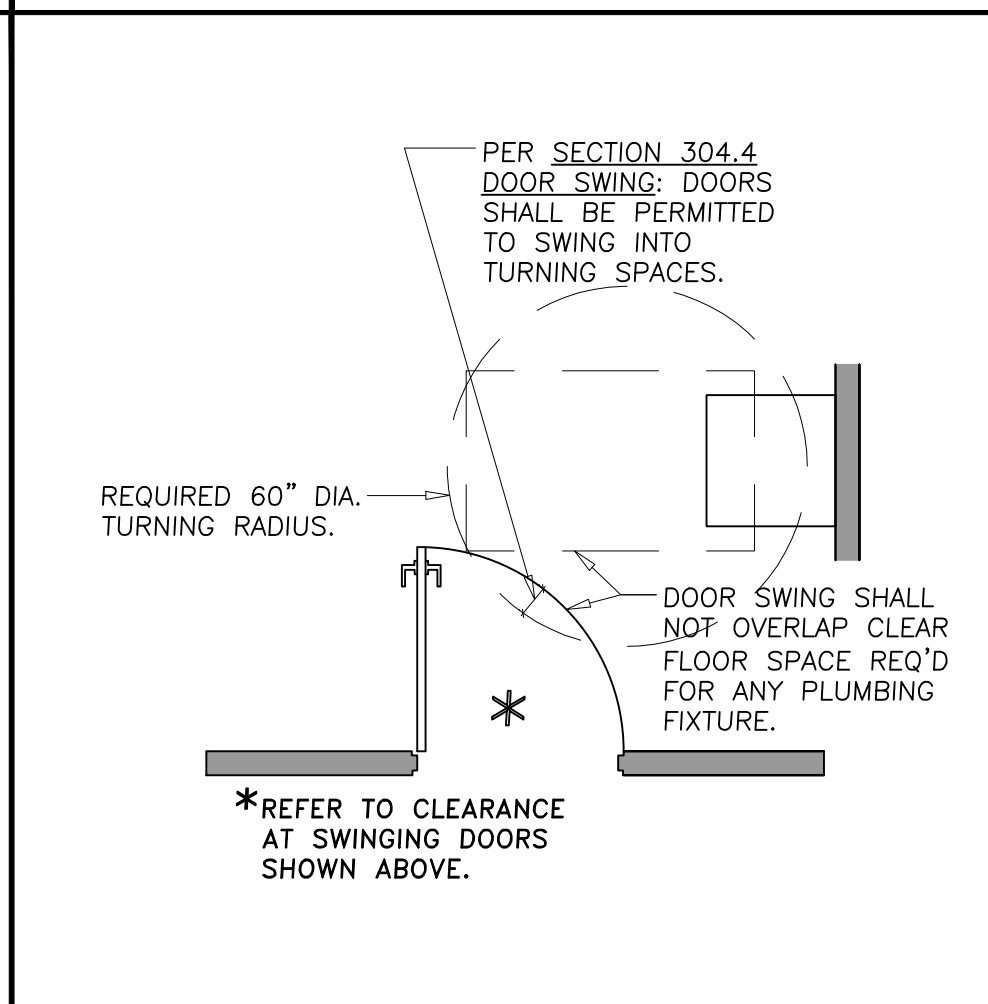
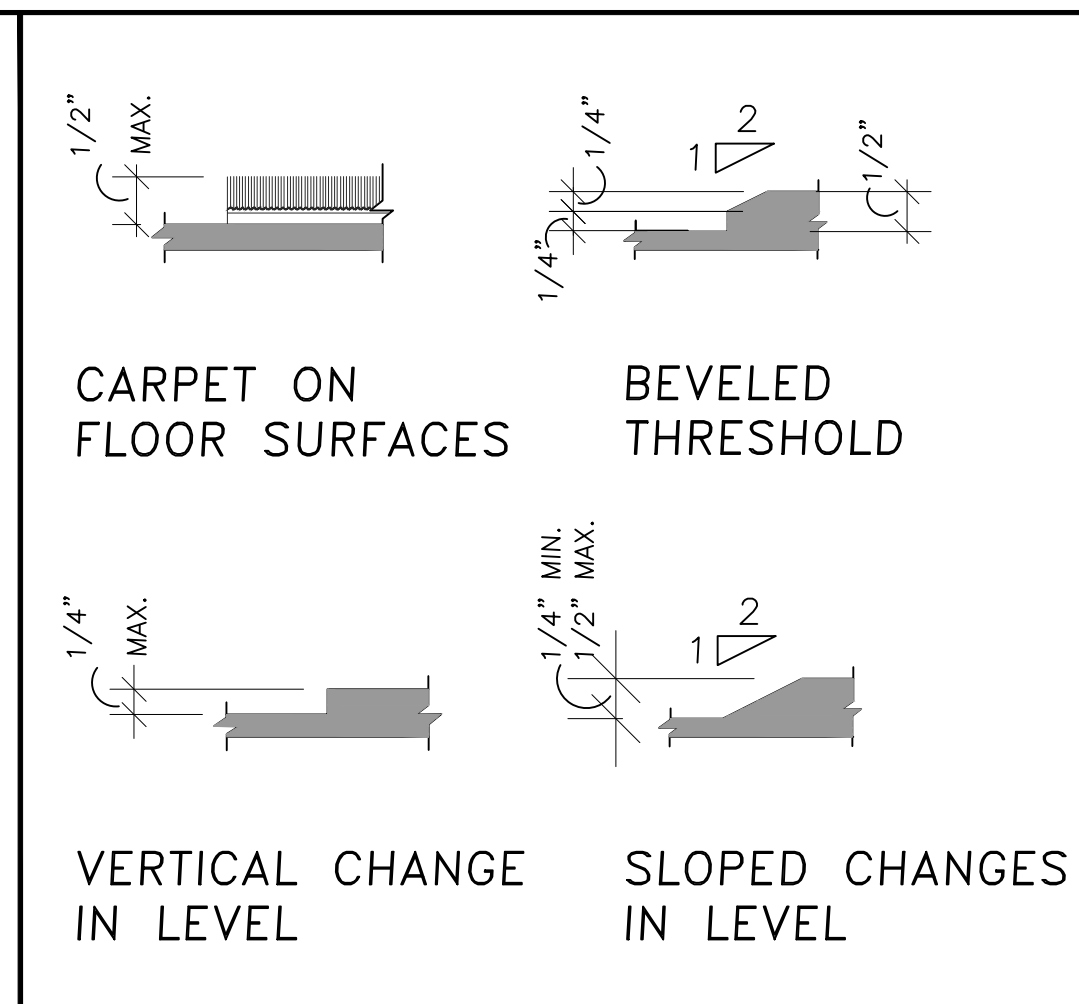
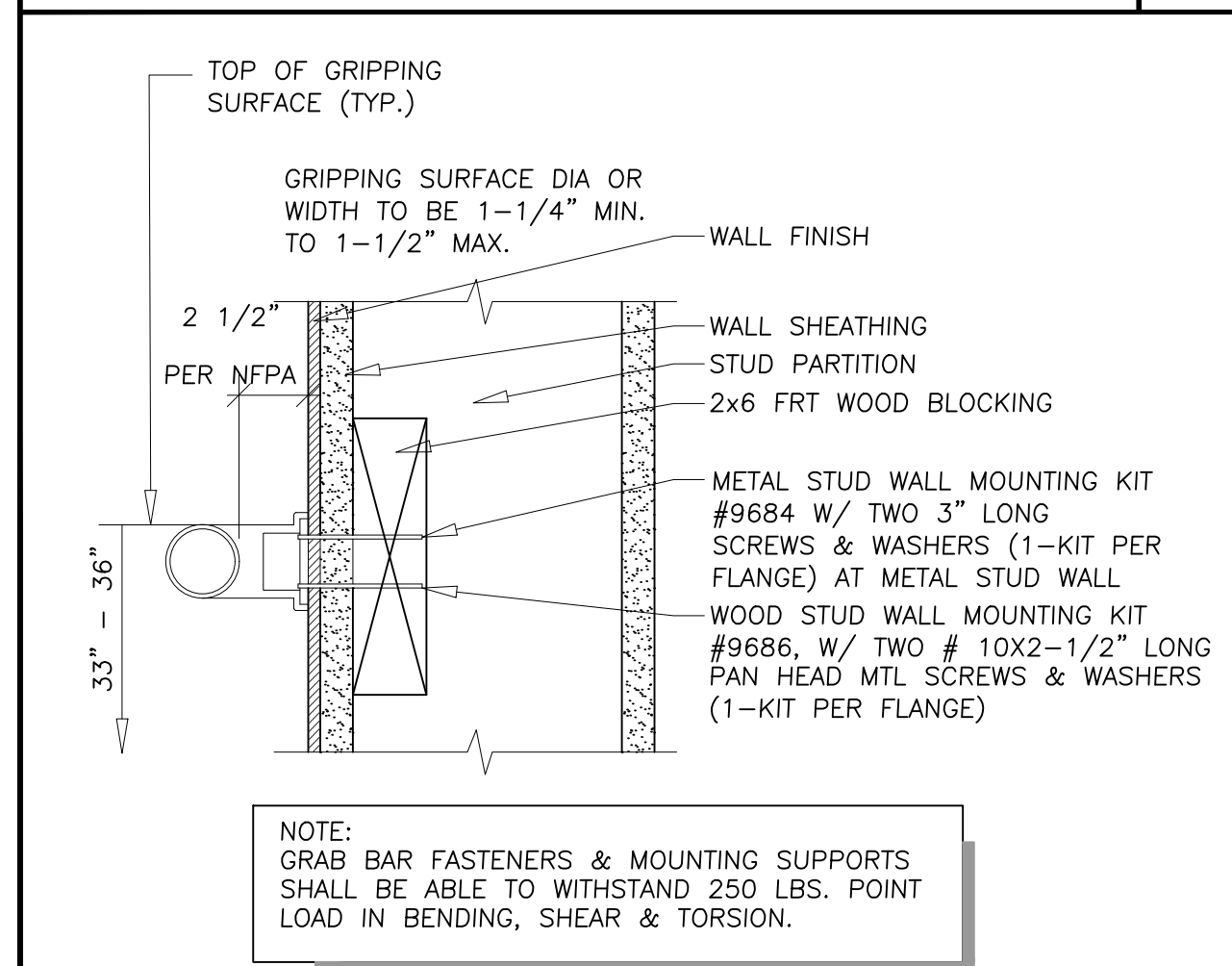
TYPICAL RESTROOM PLAN DIMENSION

PROTRUDING OBJECT LIMITS

SINGLE-USER RESTROOM PLAN

SINK KNEE CLEARANCE

SINK TOE CLEARANCE



GENERAL NOTES

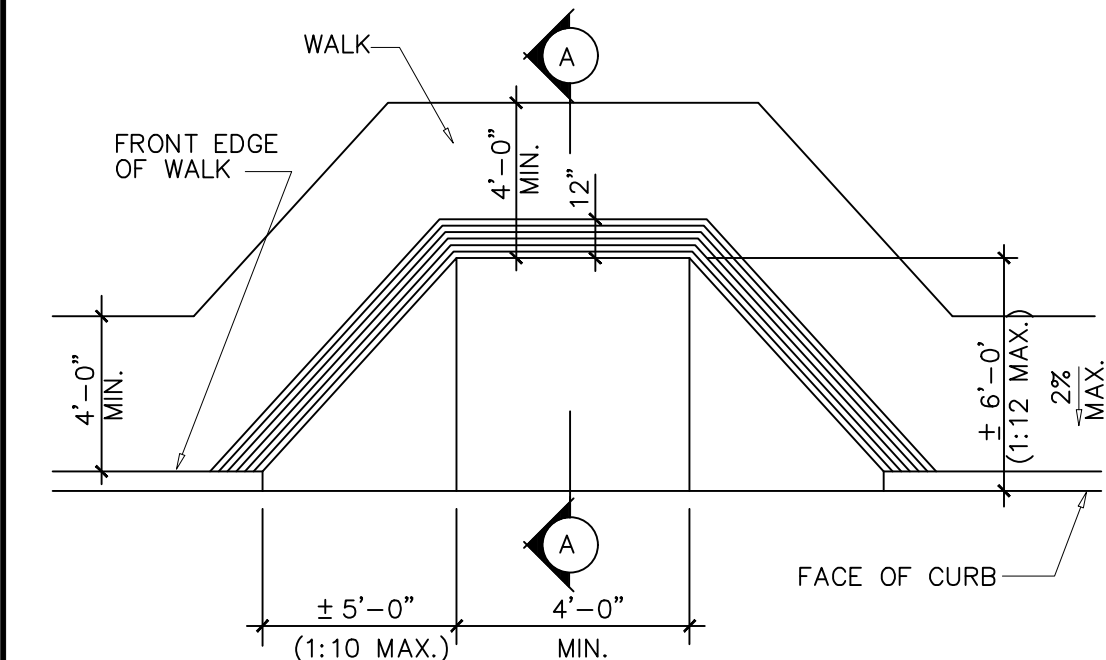
- A. REFER TO CODE ANALYSIS ON COVER SHEET FOR REFERENCED ACCESSIBILITY CODES.
- B. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

HANDICAP ACCESSIBLE CURBS

CIVIL ENGINEERING DRAWINGS, WHEN PRESENT, SHALL TAKE PRECEDENCE REGARDING DETAILS FOR HANDICAPPED ACCESS THE PARKING LOT TO THE BUILDING.

① CURB RAMPS

- A. CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB. THE PREFERRED AND RECOMMENDED LOCATION FOR CURB RAMPS IS IN THE CENTER OF THE CROSSWALK AT EACH STREET CORNER. WHERE IT IS NECESSARY TO LOCATE A CURB RAMP IN THE CENTER OF THE CURB RETURN AND THE STREET SURFACES ARE MARKED TO IDENTIFY PEDESTRIAN CROSSWALKS, THE LOWER END OF THE CURB RAMPS SHALL TERMINATE WITHIN SUCH CROSSWALKS.
- B. CURB RAMPS SHALL BE A MINIMUM OF 3 FEET IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
- C. BUILT-UP CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES.
- D. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKING EXCLUDING ANY FLARED SIDES.
 - 406.12 Detectable Warnings at Raised Marked Crossings. Marked crossings that are raised to the same level as the adjoining sidewalk shall be preceded by a detectable warning 24 inches (610 mm) in depth complying with Section 703. The detectable warning shall extend the full width of the marked crossing.
- E. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL.
- F. A LEVEL LANDING 4 FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL.
- G. THE LOWER END OF EACH CURB RAMP SHALL BE FLUSH WITH ADJACENT SURFACE.
- H. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE STABLE, FIRM AND SLIP RESISTANT AND SHALL BE OF A CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.
- I. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED CARS.
- J. IF DIAGONAL CURB RAMPS HAVE RETURNED CURBS OR OTHER WELL-DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF CURB RAMPS SHALL HAVE 48 INCHES MINIMUM CLEAR SPACE. IF DIAGONAL CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48 INCH CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24 INCH LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

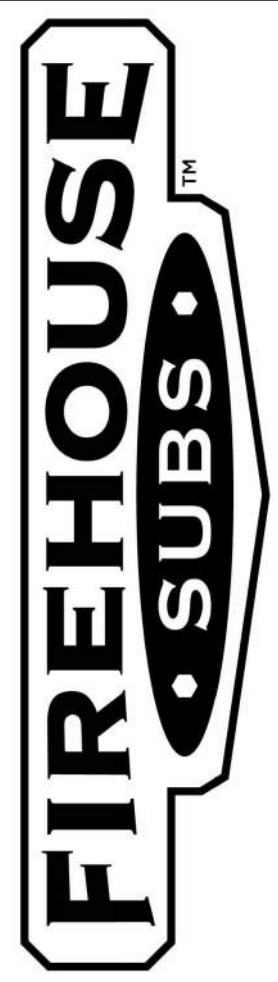


JON W. SAMMER
ARCHITECT, AIA

4101 Chain Bridge Road
SUITE 102
FAIRFAX, VIRGINIA 22030
(703) 591-0747

PLAN DATES

REV.	SUBMISSION
/	10/01/2025 PROGRESS SUBMISSION
/	10/10/2025 BID & PERMIT SUBMISSION



DUNN,
NORTH CAROLINA

SEAL:

SCALE:

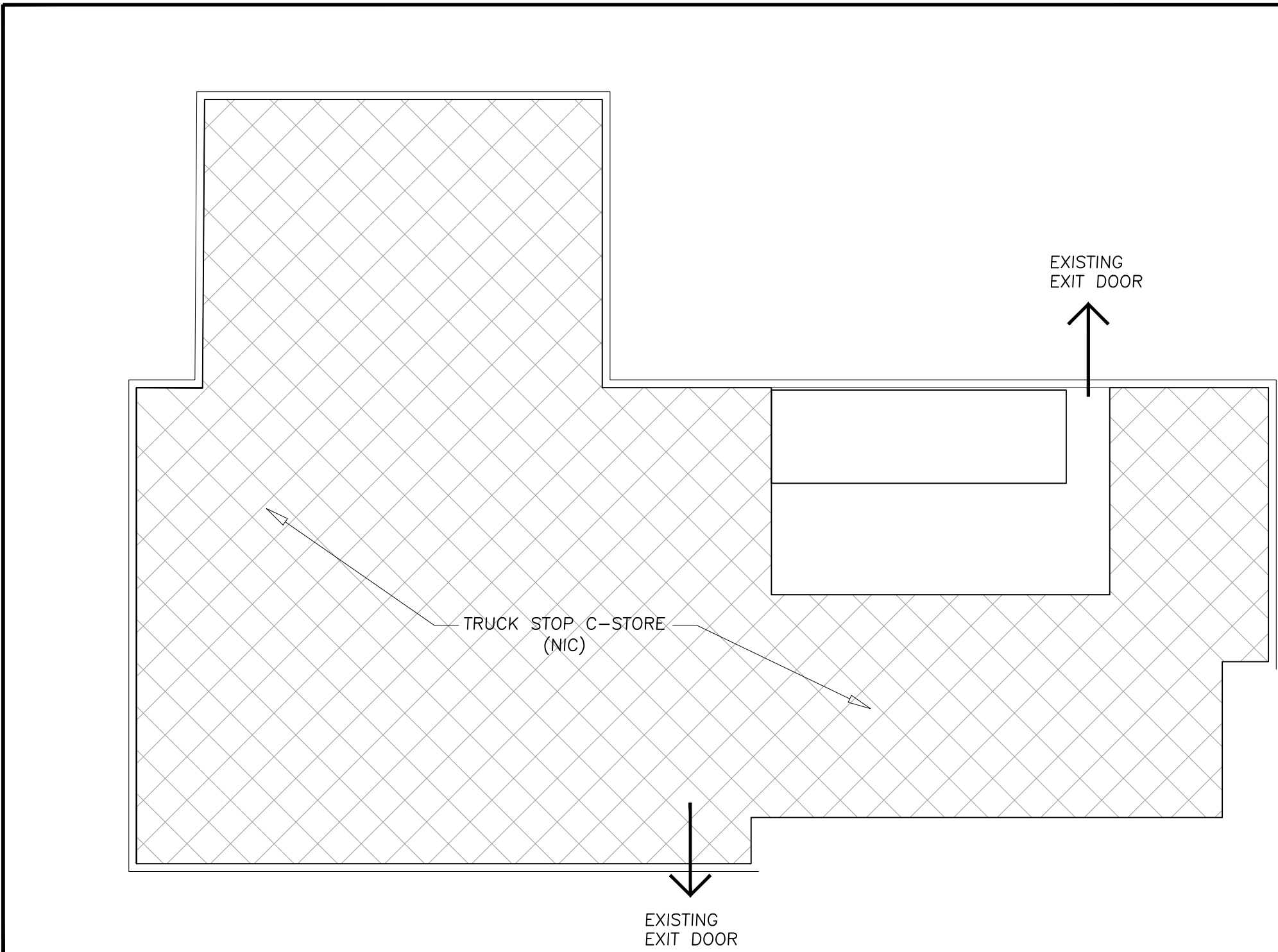
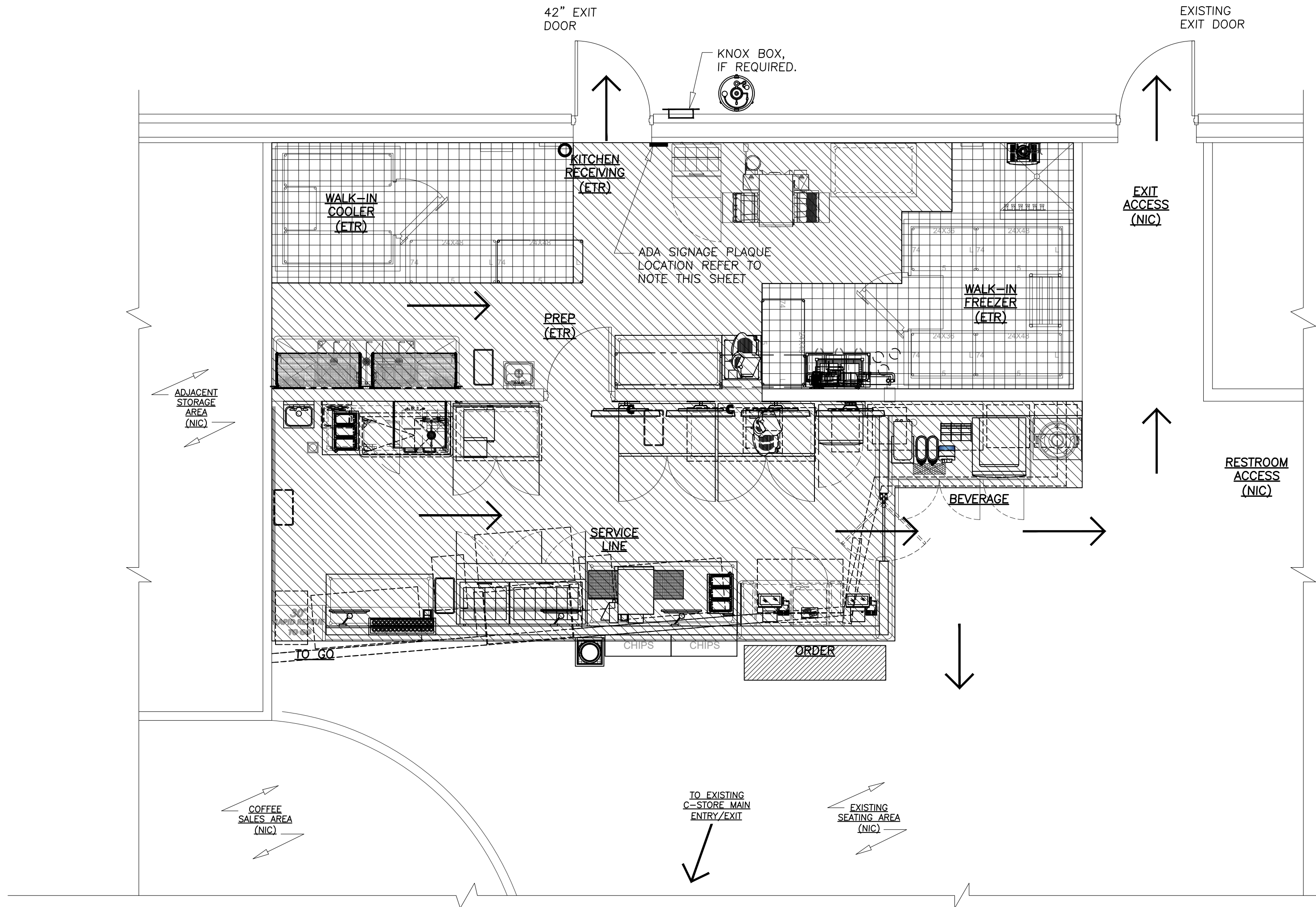
N.T.S.
U.N.O.
 PROJECT NO.
 FSDN_2509

SHEET TITLE:
ACCESSIBILITY
STANDARDS &
DETAILS

SHEET NUMBER:

CS2

OF



ENLARGED BUILDING EXISTING PLAN SCALE: N.T.S.

MEANS OFF EGRESS CALCULATIONS		
MIN. NUMBER OF REQUIRED EXITS		
REQUIRED	PROVIDED	REMARKS
1	1	LESS THAN 50 OCCUPANTS (ADDITIONAL EXIT DOOR PROVIDED IN KITCHEN SERVICE AREA)
MIN. EXIT DOOR CLEAR WIDTH		
REQUIRED	PROVIDED	REMARKS
MAIN EXIT	32" MIN.*	32" PER SECTION 1028.2 LESS THAN 300 OCCUPANTS *(1) 36" DOOR
MAXIMUM TRAVEL DISTANCE		
BASED ON BUILDING CODE SECTION 1017 AND TABLE 1017.2		
MAX. ALLOWABLE (SINGLE EXIT)		PROVIDED
100'		56'-10"

EXIT AISLE CLEAR WIDTH	
	EXIT AISLEWAY EXIT AISLEWAY WIDTH 36" (LESS THAN 50 OCCUPANTS) PER BLDG. CODE SECTION 1028.9.1.1 #4 EXCEPTION #1.
	KITCHEN/SERVICE AREA AISLEWAY WIDTH 36" (LESS THAN 50 OCCUPANTS) PER BLDG. CODE SECTION 1028.9.1.1 #4 EXCEPTION #1.

ADA TACTILE SIGNAGE PLAQUE	
	INSTALL ADA TACTILE SIGNAGE PLAQUE ADJACENT TO EACH DOOR PER ICC A117.1. REFER TO SHEET CS2 FOR SIGNAGE REQUIREMENT.

LIFE SAFETY ACCESSORY KEY PLAN	
	FIRE EXTINGUISHER MIN. RATING 3A:40BC PER NFPA 10.
	FIRE DEPARTMENT KNOX BOX - VERIFY LOCATION WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION. G.C. TO SUPPLY AND INSTALL.
NOTE: FIRE EXTINGUISHERS ARE SHOWN FOR REFERENCE ONLY. GENERAL CONTRACTOR TO VERIFY WITH LOCAL FIRE MARSHAL QUANTITY, LOCATIONS, AND TYPES OF FIRE EXTINGUISHERS PRIOR TO ORDERING AND INSTALLATION.	
NOTE: REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY AND EXIT LIGHT & SIGNAGE LOCATIONS AND SPECIFICATIONS.	

DESIGNED OCCUPANCY LOAD		
PER : BUILDING CODE TABLE 1004.1.1 & SECTION 1004.1		
ORDER AREA:		
	ORDER LINE (STANDING): 11 SF / 5 SF = 2.2	3
WAITING CUSTOMERS:		3
TOTAL CUSTOMERS: WAITING = 3		3
EMPLOYEE AREAS:		
	KITCHEN/SERVICE AREAS: 596 S.F. / 200 S.F. = 2.98	3
	STORAGE AREAS: 210 S.F. / 300 S.F. = .39	1
EMPLOYEES:		4
TOTAL OCCUPANT LOAD: CUSTOMERS = 3 EMPLOYEES = 4		7

JON W. SAMMER
ARCHITECT, AIA
4101 Chain Bridge Road
SUITE 102
FAIRFAX, VIRGINIA 22030
(703) 591-0747

PLAN DATES
REV. SUBMISSION
10/01/2025
PROGRESS SUBMISSION
10/10/2025
BID & PERMIT SUBMISSION

DUNN,
NORTH CAROLINA

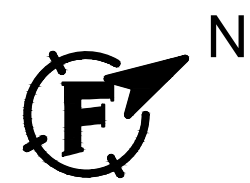
SEAL:

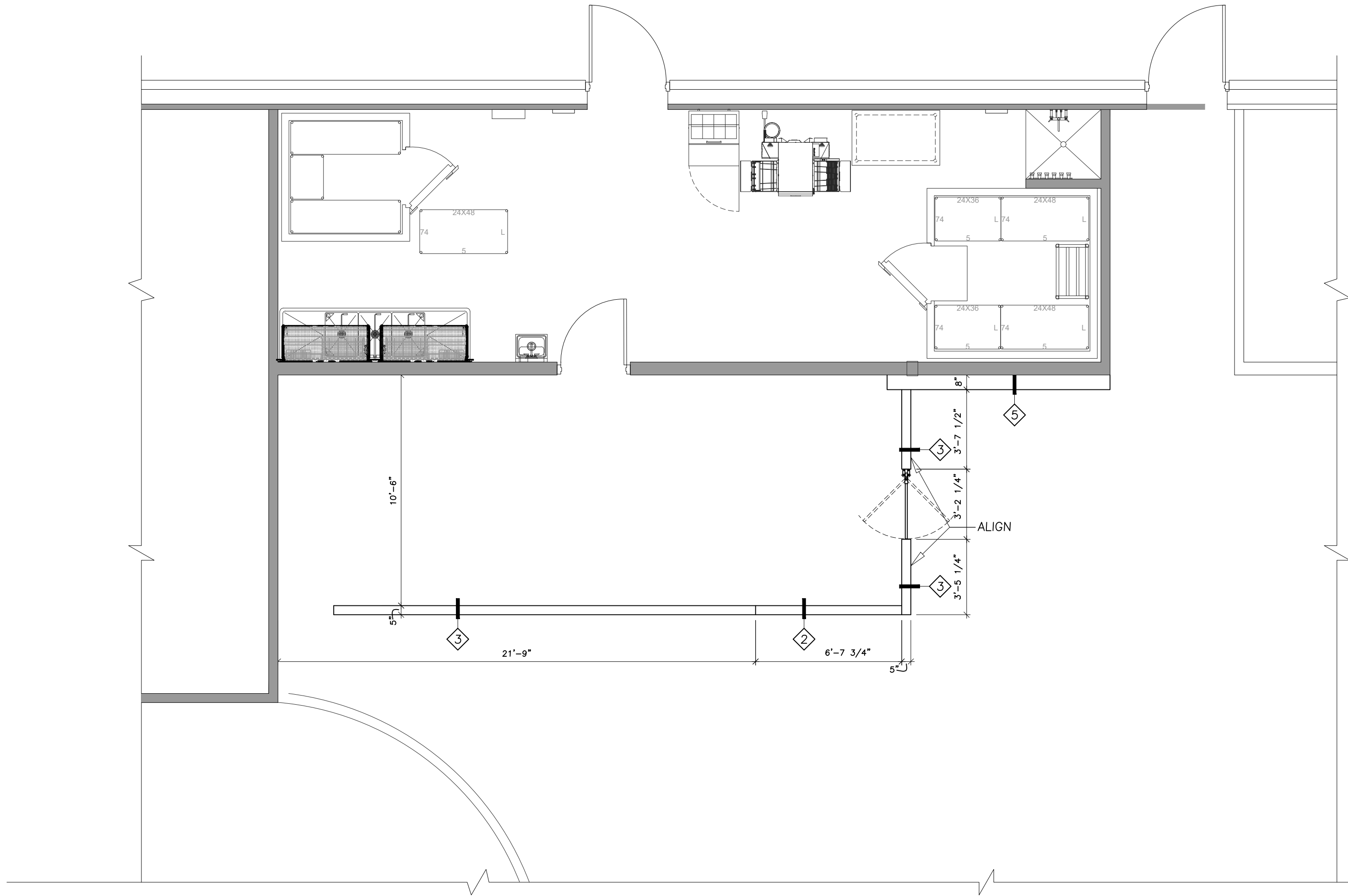
I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF NORTH CAROLINA. LICENSE NUMBER 7878, EXPIRATION DATE 06/30/2026.

SCALE: 1/4" = 1'-0"
UNGS
PROJECT NO.
FSDN_2509

SHEET TITLE:
LIFE SAFETY & OCCUPANT LOAD PLAN

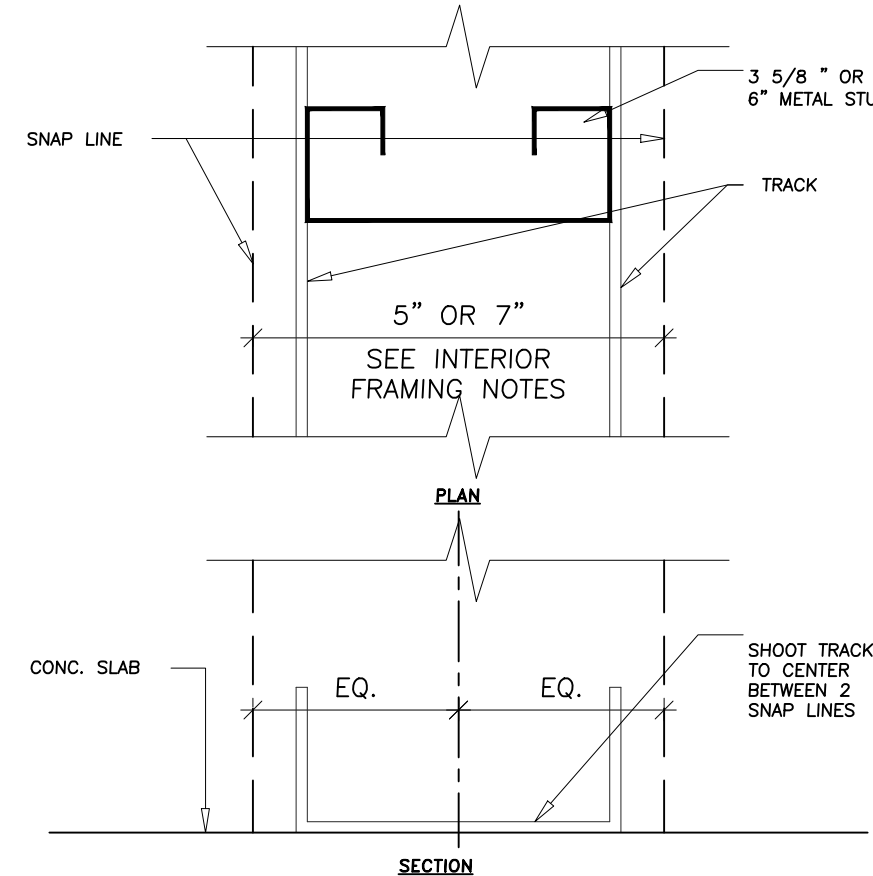
SHEET NUMBER:
CS3
OF





NOTE:
INDICATES EXISTING INTERIOR
PARTITIONS TO REMAIN.

NOTE:
TENANT G.C. TO FIELD VERIFY
EXISTING SHELL BUILDING
DIMENSIONS. NOTIFY CPM &
ARCHITECT OF DISCREPANCIES W/
TENANT CONSTRUCTION DRAWINGS.



1 FRAMING METHOD DETAIL
SCALE: N.T.S.

GENERAL NOTE

A. REFER TO CODE ANALYSIS ON COVER SHEET CS1 FOR FIRE RETARDANT TREATED WOOD FRAMING & PLYWOOD REQUIREMENT.

INTERIOR FRAMING NOTES

- A. ALL INTERIOR PARTITION AND DINING ROOM HALF-HEIGHT WALL DIMENSIONS ARE TO FACE OF SHEATHING. U.N.O.
- B. 5" NOMINAL PARTITION THICKNESS = 3 5/8" MET. STUD OR 2x4 FRT WOOD STUD.
- C. 7" NOMINAL PARTITION THICKNESS = 6" METAL STUD OR 2x6 FRT WOOD STUD.

INTERIOR SHEATHING NOTES

- A. UNLESS NOTED OTHERWISE ALL INTERIOR PARTITIONS:
- 1.) 5/8" GWB ON EACH SIDE OF WALL
 - 2.) 5/8" MR-GWB IN PUBLIC RESTROOMS
 - 3.) 5/8" FRT PLYWOOD SHEATHING IN KITCHEN AREAS
 - 4.) 5/8" DUROCK TO 54" AFF @ MOP SINK WALLS
 - 5.) 5/8" DUROCK TO 56" AFF @ RESTROOM WALL TILE WAINSCOT
- B. 5/8" GWB SHEATHING TAPED & SPACKLED TO UNDERSIDE OF ROOF DECK AT PERIMETER WALLS (U.N.O.).
- C. KITCHEN PERIMETER WALLS TO HAVE DUROCK SHEATHING TO 12" AFF, FRT PLYWOOD SHEATHING TO 6" ABOVE CEILING, & GWB TAPED & SPACKLED ABOVE TO UNDERSIDE OF ROOF. CUT & SEAL AROUND ALL PENETRATIONS.

INTERIOR PARTITION LEGEND

INTERIOR STUD PARTITION TYPE (REFER TO INTERIOR PARTITIONS TYPE ON SHEET A1.0).

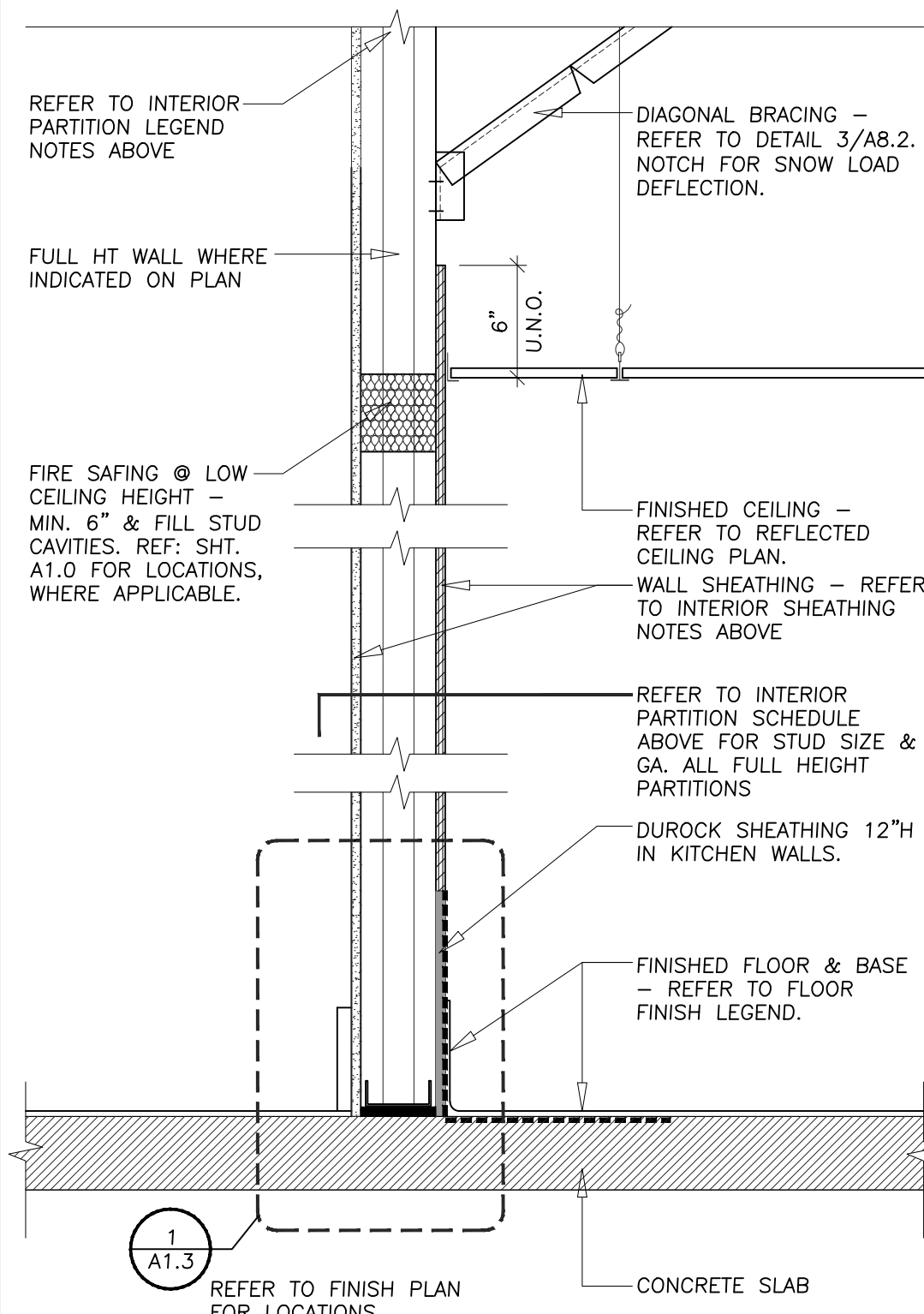
- METAL STUD GAUGE: 20 (U.N.O.)
- STUD SPACING: 16" O.C.

REFER TO PARTITION SYMBOLS BELOW FOR ADDITIONAL INFORMATION.

- 1 — METAL STUDS OR FURRING TO 6" ABOVE FINISHED CEILING.
- 2 — METAL STUDS COUNTER DYE WALL TO 32 1/2" AFF (34" AFF MAXIMUM COUNTER HEIGHT.)
- 3 — METAL STUDS COUNTER DYE WALL TO 51" AFF (52 1/2" AFF COUNTER HEIGHT.)
- 4 — METAL STUDS W/ SHEATHING TO UNDERSIDE OF ROOF STRUCTURE W/ FIRE SAFING BETWEEN STUDS @ TOP OF LOW CEILING HEIGHT.
- 5 — METAL STUDS OR HAT CHANNEL FURRING @ 24" O.C. TO 6" ABOVE FINISHED CEILING.

NOTES: PROVIDE SLIP-TRACK @ ALL PARTITIONS EXTENDING TO ROOF DECK OR ROOF FRAMING.

WHERE APPLICABLE EXTEND METAL STUD FRAMING & SHEATHING TO UNDERSIDE OF METAL ROOF DECK & CUT SHEATHING AROUND DECK FLUTES, JOISTS, BEAMS, ETC. CAULK W/ PAINT ACCEPTABLE SEALANT.



2 TYP. INTERIOR PARTITION DETAIL
SCALE: N.T.S.

JON W. SAMMER
ARCHITECT, AIA
4101 Chain Bridge Road
SUITE 102
FAIRFAX, VIRGINIA 22030
(703) 591-0747

PLAN DATES

REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



DUNN,
NORTH CAROLINA

SEAL:

I CERTIFY THAT THESE
DRAWINGS WERE PREPARED OR
APPROVED BY ME, AND THAT I
AM A DULY LICENSED
ARCHITECT UNDER THE LAWS
OF THE STATE OF NORTH
CAROLINA, LICENSE NUMBER
7876, EXPIRATION DATE
06/30/2026.

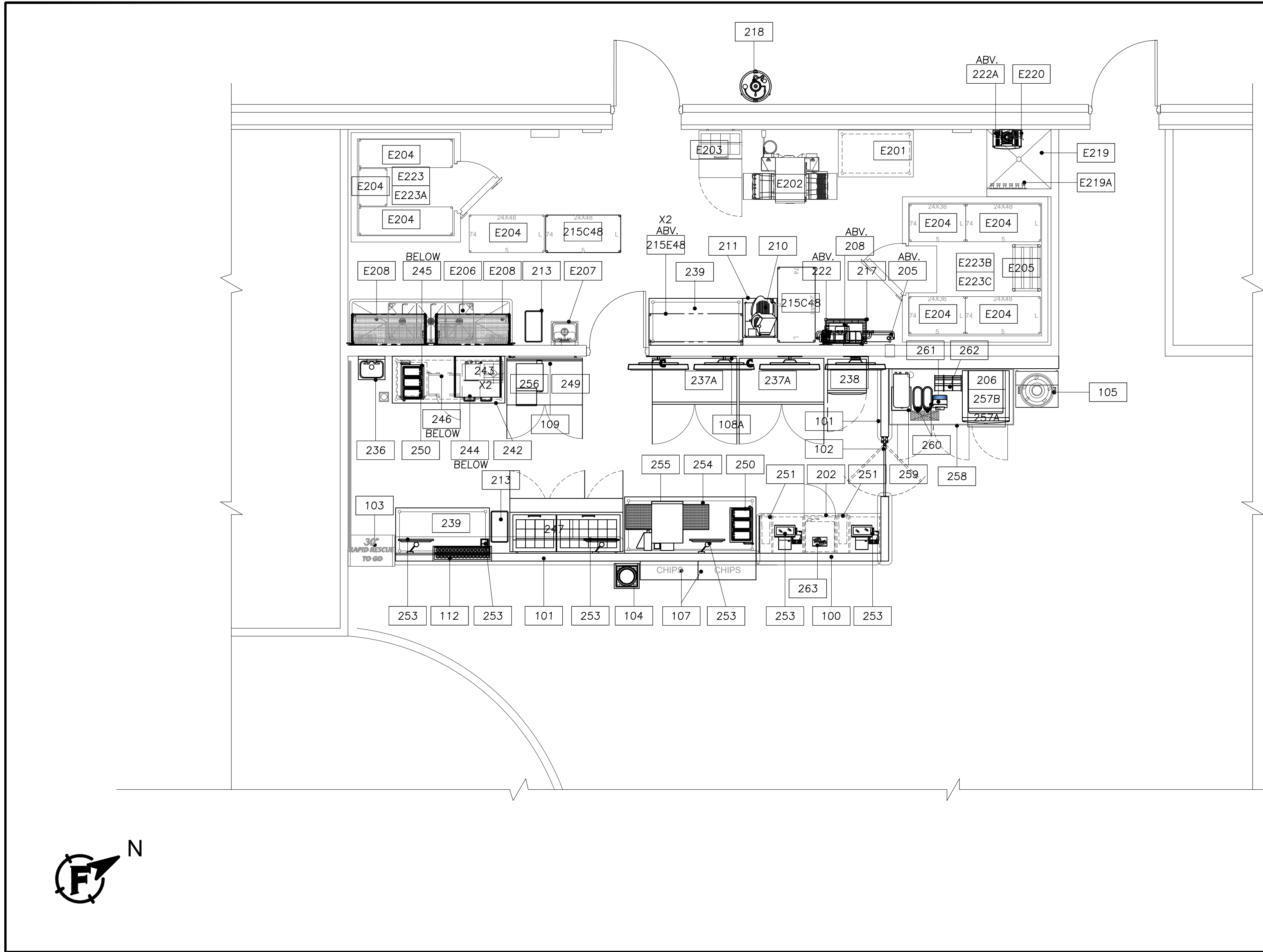
SCALE: 1/4" = 1'-0"
PROJECT NO.
FSDN_2509

SHEET TITLE:
**DIMENSION
PLAN**

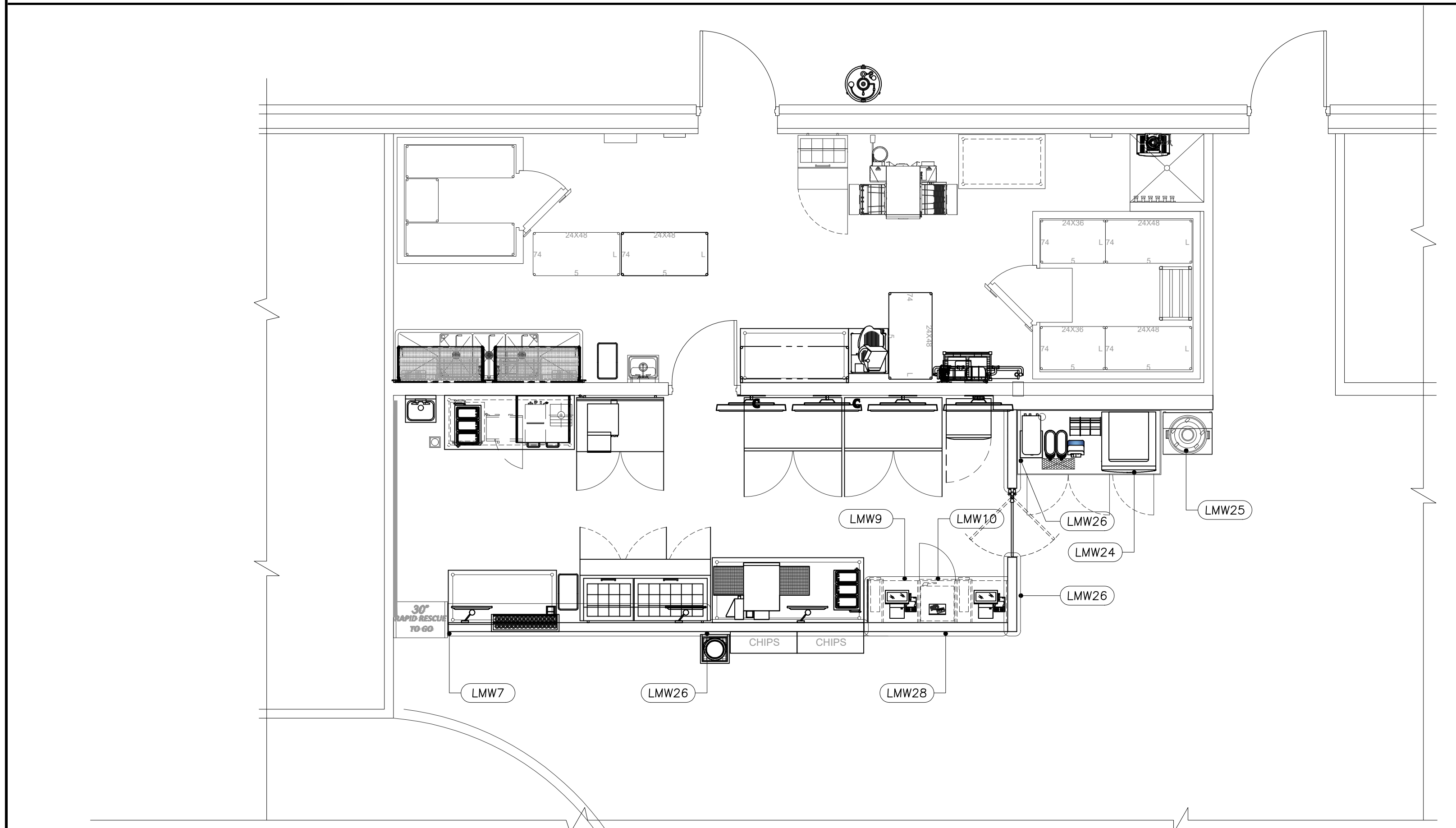
SHEET NUMBER:

A1.1

OF



EQUIPMENT PLAN



MILLWORK PLAN

FF&E SCHEDULE – LEGACY 2ND GEN.

#	DESCRIPTION	QTY.	MANUFACTURER	MODEL NUMBER	REMARKS	BY OWNER	BY PURVEYOR	FABRICATED	KEC	BY G.C.
100	POS COUNTER	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
101	LAMINATED COUNTER TOP	1 LOT	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.; G.C. TO PROVIDE FIELD DIMENSIONS			X		
102	36" DOUBLE ACTION SWING GATE	1	ELLIASON	CAFE SWING GATE; COLOR: RED	INSTALL BY G.C.			X		
103	RAPID RESCUE TO GO SHELF	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
104	PICKLE BUCKET DISPLAY	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
105	TRASH RECEPTACLE & BIN FRAME	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
107	CHIP STAND	2	FRITO LAY	TBD	INSTALL BY G.C.			X		
108A	DIGITAL MENU BOARD	4	BY OWNER	CUSTOM					X	
109	LTO BOARD	0	B&J PEERLESS	CUSTOM					X	
111	SELF-SERVE ORDER KIOSK	0	TOAST	#					X	
112	HOT SUACE RACK	1	B&J PEERLESS	CUSTOM					X	
202	SAFE	1	BY OWNER	TBD	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER	X				
205	STEAMER WATER FILTRATION SYSTEM (VZN)	1	ANTUNES	VZN-541HC					X	
206	ICE MACHINE	1	HOSHIZAKI	440-KM520MAJ					X	
208	ICE MACHINE FILTER	1	ECOLAB	9320-3887	SCS50 PLUMBER TO MOUNT FILTER TO WALL		X			
210	SLICER	1	BIZERBA	GSP HGI			X			
211	SLICER TABLE	1	BIZERBA	SLICER-TABLE-1			X			
213	SLIM JIM TRASH RECEPTACLE	6	CARLSLE	CARLS402303					X	
215C48	24x48 SHELVING UNIT	2	SKIBEE	SKIBSKIWOR2448CWP	5 TIERS, 74" POSTS				X	
215E48	18X48 SHELVING UNIT W/ MTO BRACKETS	2	SKIBEE		5 TIERS, 74" POSTS				X	
217	FREESTYLE SYRUP RACK & PUMP	1	COCA-COLA	45897			X			
218	C02 TANK	1	HELGET	CARBO MIXER 550	EXTERIOR PLACEMENT	X				
222	BOOSTER PUMP	1	LITTLE GIANT	25LGL1100N41					X	
222A	TANKLESS INSTANT HOT WATER HEATER	1	TBD	TBD	REFER TO PLUMBING DRAWINGS					X
236	HAND SINK	1	SKIBEE	SKIHS175S	T&S FAUCET INCLUDED				X	
237A	REFRIGERATOR, TWO DOOR	2	TRUE	T-49-HC	W/ STACKING KIT				X	
238	BOTTLES TO GO COOLER	1	COCA-COLA	TBD			X			
239	WORK TABLE, 30"x60"	2	SKIBEE	SKIBSKIWT3060ESCC					X	
242	STEAMER TABLE	1	ANTUNES	7000-2222					X	
243	COUNTERTOP DRAWER STEAMER	2	ANTUNES	IS-1000					X	
244	STEAM WATER SOFTENER SYSTEM	1	ANTUNES	WSS-0618-ENC					X	
245	COUNTERTOP CONVECTION OVEN	1	CADCO	OV-003			X			
246	MICROWAVE	1	AMANA	RCS10DSE					X	
247	72" REFRIGERATED PREP TABLE (ATC)	1	TRUE	TSSU7230MB-HC					X	
249	FREEZER, WORK TOP - 48"	1	TRUE	TWT-48F					X	
250	COUNTERTOP WARMER	2	NEMCO	NEMC6055A					X	
251	CUP DISPENSER	6	SAN JAMAR	C2410C					X	
253	POS & KDS ORDER SYSTEM	1 LOT	BY OWNER	-		X				
254	WORK TABLE 36"x84"	1	EAGLE	T3684B					X	
255	COUNTERTOP CONVECTION TOASTER	1	LINCOLN	2051					X	
256	COUNTERTOP VENTLESS FRYER	1	PERFECT FRY	PPA-730	50 AMP BREAKER				X	
257A	COUNTERTOP SODA MACHINE	1	LANCER	SENSATION-30			X			
257B	ICE MACHINE STACKING KIT	1	COCA-COLA	DF150			X			
258	METAL CONDIMENT COUNTER	1	MILLWORK CONTRACTOR	CUSTOM	STAINLESS COUNTERTOP; INSTALLED BY G.C.			X		
259	TEA BREWER	1	BUNN	52000.03000					X	
260	TEA DISPENSER	2	BUNN	SELF SERE 9100					X	
261	CONDIMENT CONTAINER	1	SAN JAMAR	B4093L					X	
262	CONDIMENT TRAY	1	DISPENSER RITE	VSCH-6BT					X	
263	FOUNDATION DONATION CUP	1	-	-					X	

MILLWORK SCHEDULE – LEGACY

#	DESCRIPTION	SOURCE	CONTACT
LMW7	RAPID RESCUE TO GO (INTEGRATED)	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW9	CASHWRAP/POS STATION	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW10	POS COUNTER CABINETS	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW17	LEGACY PRINTER SHELF	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW18	CASH DRAWER	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW24	CONDIMENT COUNTER	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW25	TRASH BIN FRAME	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW26	LOW WALL COUNTER TOP	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001
LMW28	POS COUNTER	BEYOND THE MENU	TANNER FRANKLIN (904) 594-4001

EXISTING EQUIPMENT SCHEDULE

#	DESCRIPTION	QTY.	MANUFACTURER	MODEL NUMBER	REMARKS	BY OWNER	BY PURVEYOR	FABRICATED	KEC	BY G.C.
E201	S/S WORK TABLE – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E202	CONVEYOR TOASTER – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E203	REFRIGERATED WORK TABLE – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E204	METRO SHELVING – EXISTING TO REMAIN	8	ETR	ETR	ETR					
E205	DUNNAGE RACK – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E206	3-COMP SINK – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E207	HANDSINK W/ SIDE SPLASHGUARDS – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E208	METRO WALL SHELF	2	ETR	ETR	ETR					
E219	MOP SINK – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E219A	MOP RACK – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E220	MOP SINK FAUCET – EXISTING TO REMAIN	1	ETR	ETR	ETR					
E223	WALK-IN COOLER	1	ETR	ETR	ETR					
E223A	COOLER REFRIGERATION	1	ETR	ETR	ETR					
E223B	WALK-IN FREEZER	1	ETR	ETR						
E223C	FREEZER REFRIGERATION	1	ETR	ETR	ETR					

JON W. SAMMER
ARCHITECT, AIA
4101 Chain Bridge Road
SUITE 102
FAIRFAX, VIRGINIA 22030
(703) 591-0747

PLAN DATES
REV. SUBMISSION
10/01/2025
PROGRESS SUBMISSION
10/10/2025
BID & PERMIT SUBMISSION



DUNN,
NORTH CAROLINA

SEAL:

I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF NORTH CAROLINA, LICENSE NUMBER 7676, EXPIRATION DATE 06/30/2026.

SCALE: 1/4" = 1'-0"
UNO.
PROJECT NO.
FSDN_2509

SHEET TITLE:
EQUIPMENT &
MILLWORK
PLANS AND SCHEDULES

SHEET NUMBER:
A1.2

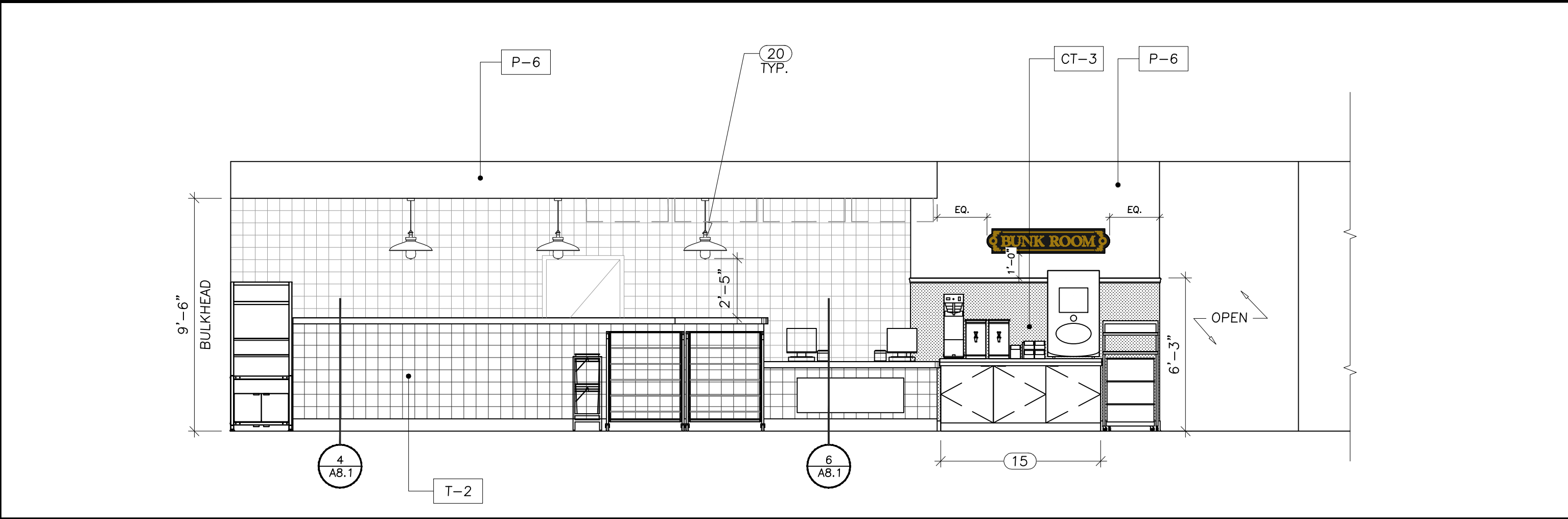
OF



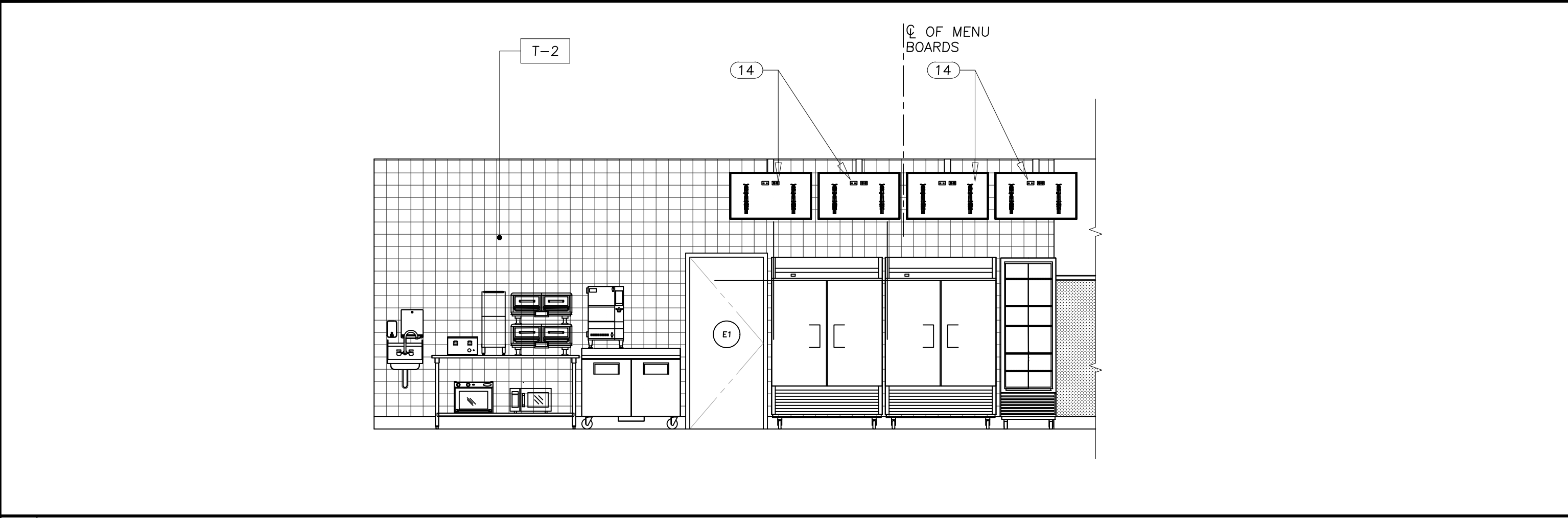
NOTE: INSTALL DUROCK SHEATHING
TO 60" A.F.F. AT MOP SINK WALLS.

OF

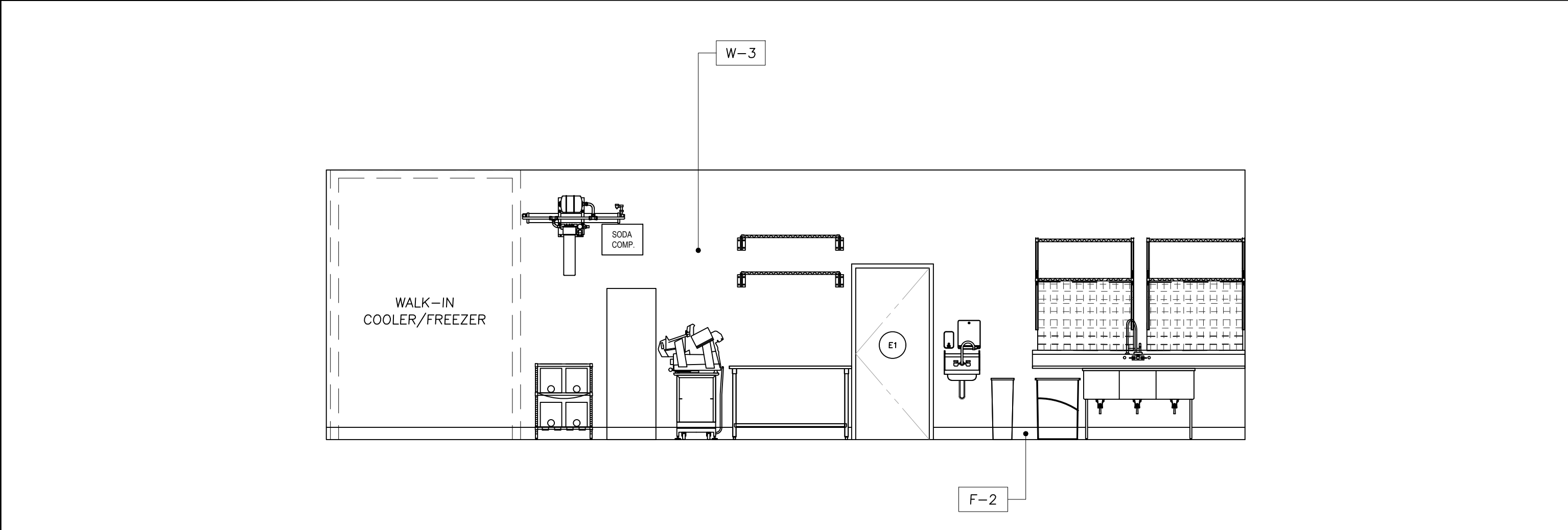
	DUNN, NORTH CAROLINA
--	-------------------------



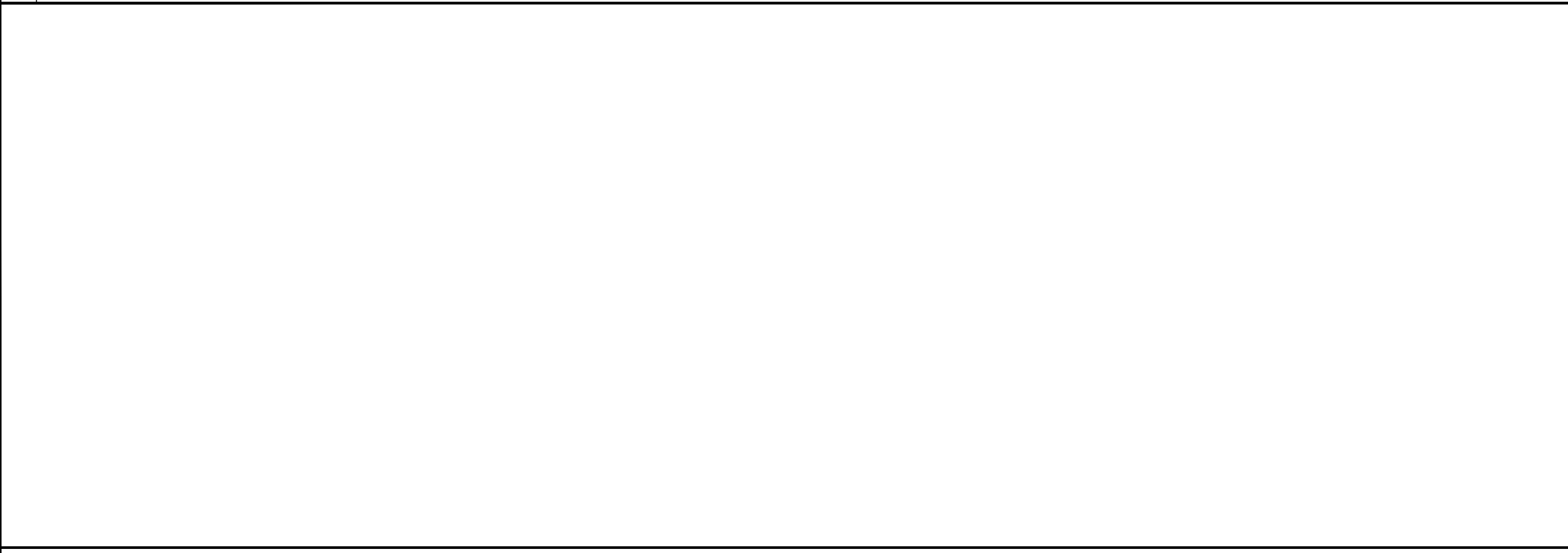
1 COUNTER



2 SIDE COUNTER / DRINK STATION

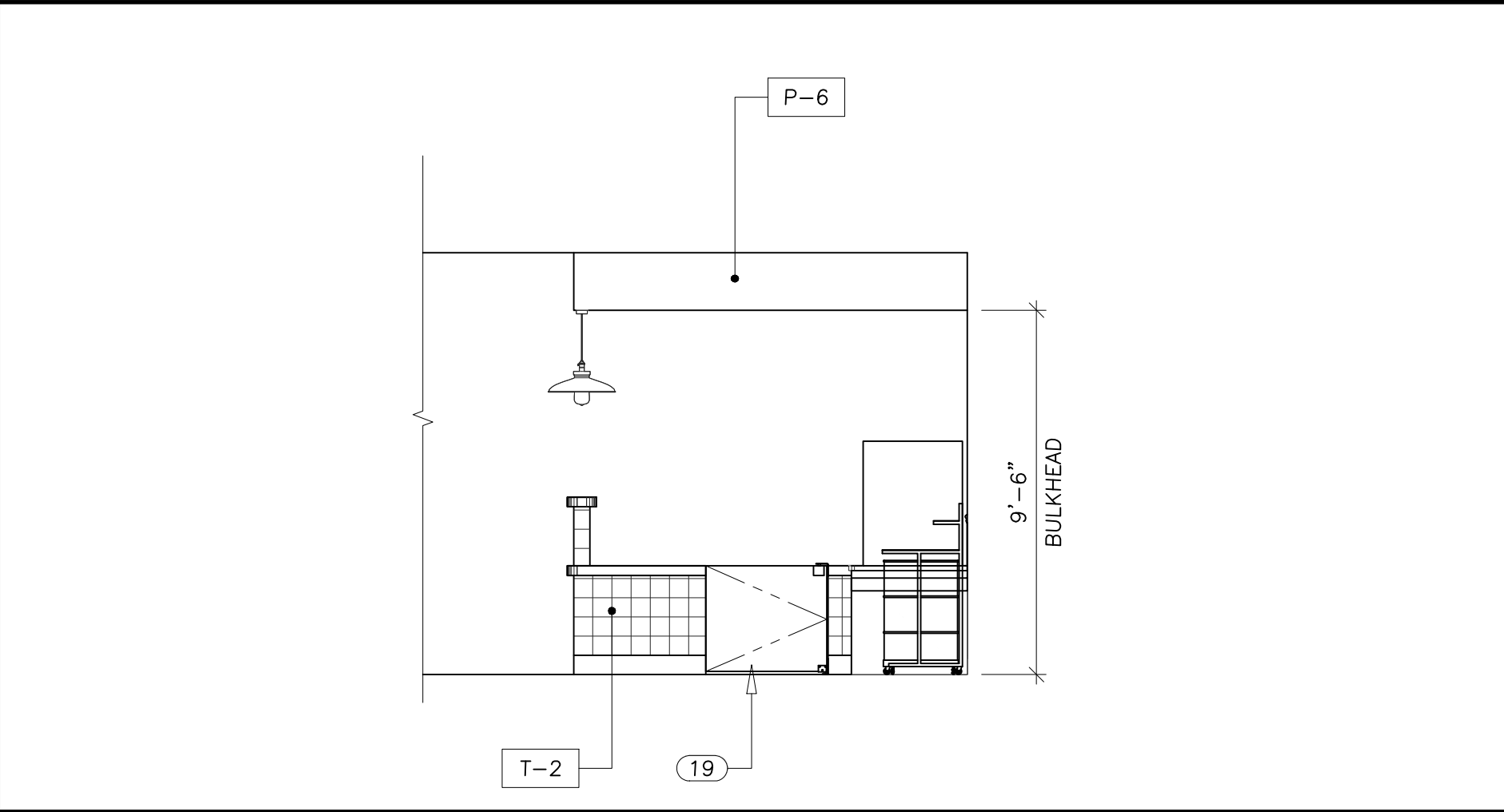


3 BEHIND COUNTER

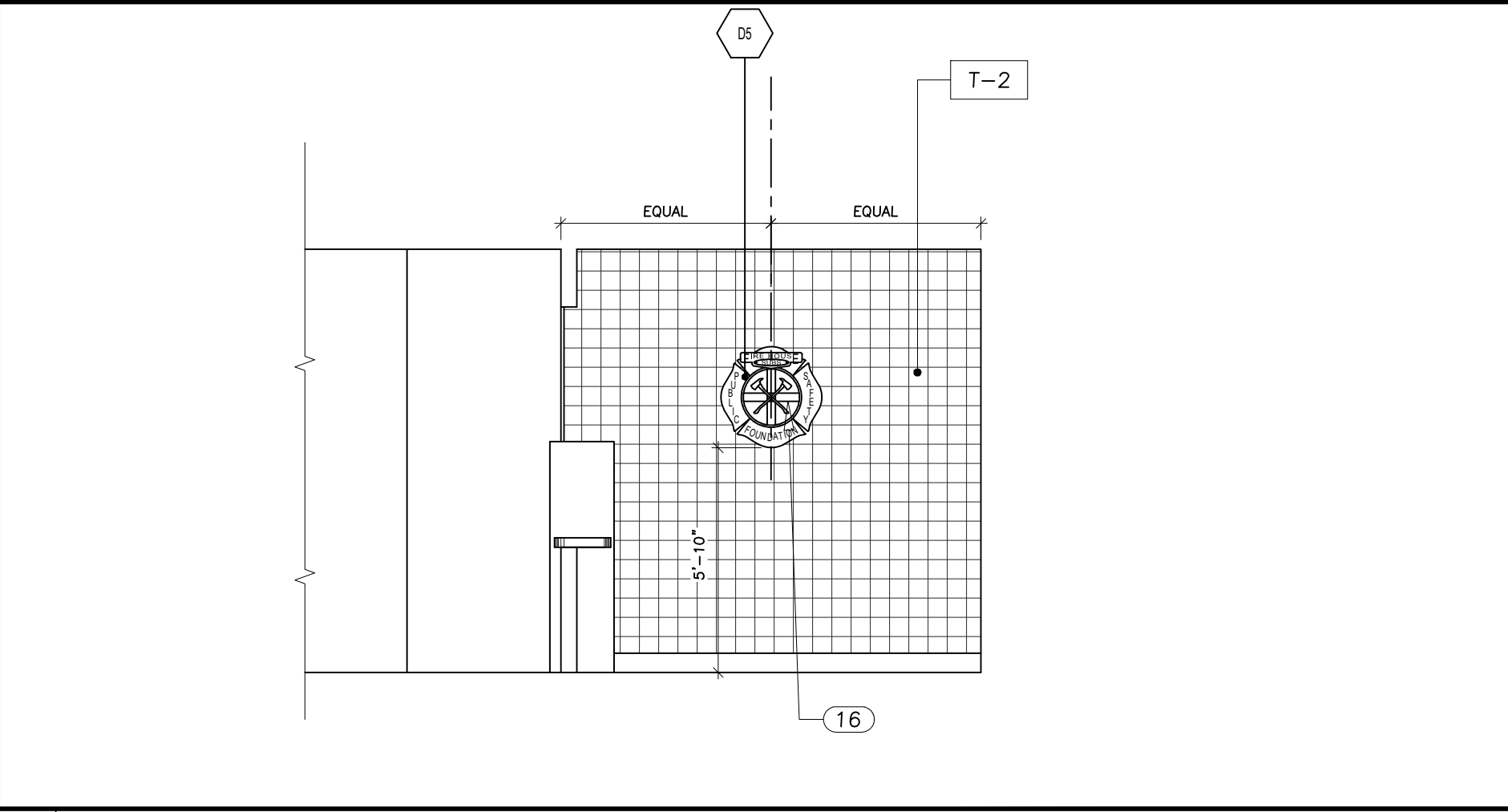


4 BEHIND COUNTER

5 KITCHEN PREP



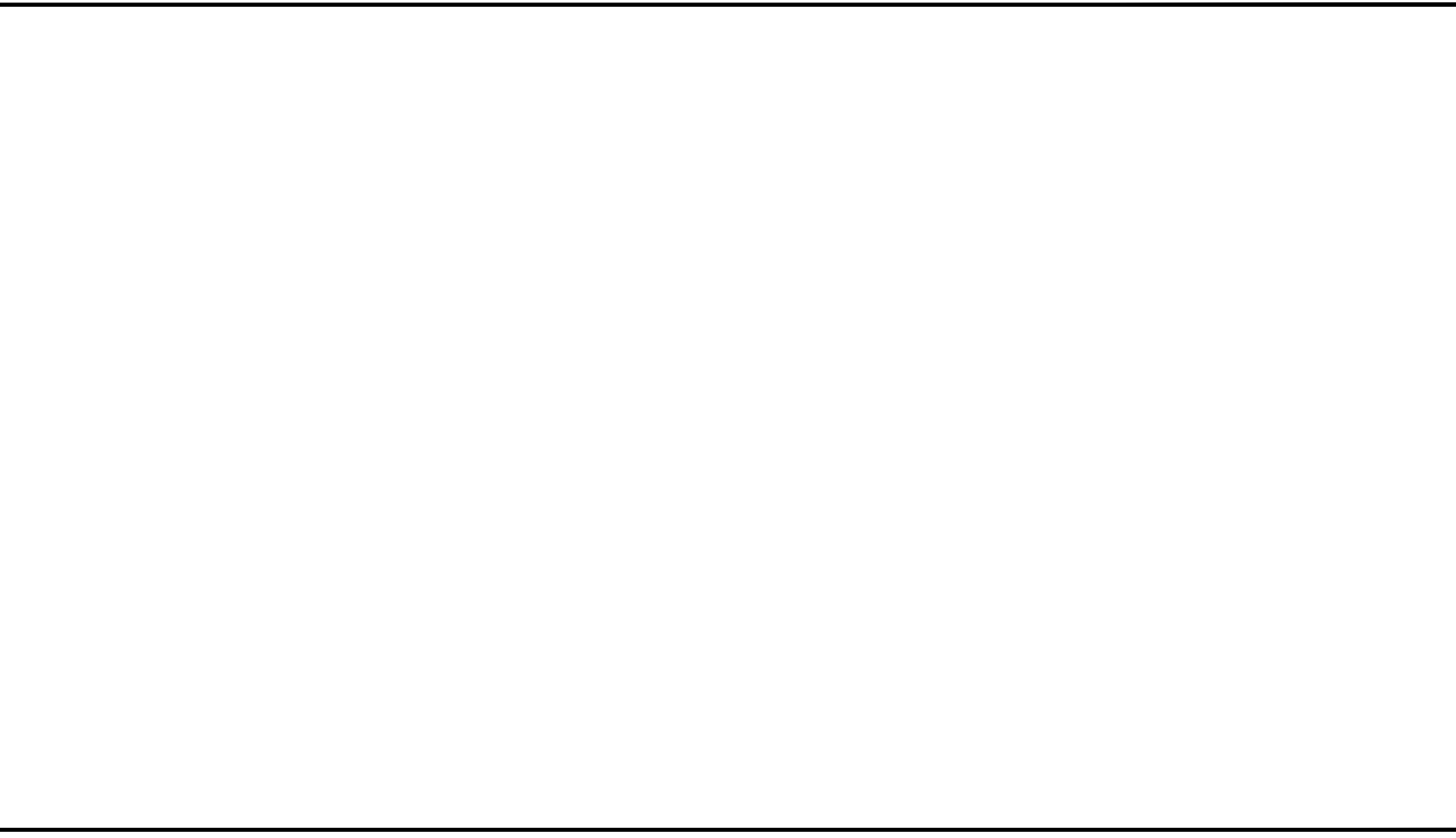
6 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)



7 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)



8 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)



9 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)

10 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)

GENERAL NOTES

A. REFER TO FLOOR FINISH PLAN FOR FLOOR FINISH INFORMATION.

B. ALL ITEMS PROVIDED BY MILLWORK CONTRACTOR TO BE INSTALLED BY G.C. UNLESS NOTED OTHERWISE.

C. G.C. SHALL SUBMIT STAIN SAMPLE FOR OWNERS APPROVAL PRIOR TO APPLICATION.

D. REFER TO RCP FOR CEILING AND SOFFIT HEIGHTS.

E. REFER TO FINISH SCHEDULE FOR FINISH DESIGNATIONS.

F. G.C. TO PROVIDE SOLID WOOD BLOCKING @ ALL DECOR LOCATIONS. VERIFY W/ CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLING WALL SHEATHING.

KEY NOTES

1	FINISHED FLOOR – REFER TO FLOOR FINISH PLAN.
2	BASE – REFER TO FINISH SCHEDULE.
3	WAINSCOT – REFER TO FINISH SCHEDULE.
4	CHARRAIL TRIM – REFER TO FINISH SCHEDULE.
5	G.W.B. PAINTED.
6	CORNICE TRIM – REFER TO FINISH SCHEDULE.
7	FINISHED CEILING – REFER TO RCP FOR FINISHES & HEIGHTS
8	NOT USED.
9	NOT USED.
10	NOT USED.
11	NOT USED.
12	WOOD DOOR – REFER TO DOOR SCHEDULE.
13	NOT USED.
14	MENUBOARDS – SUPPLIED BY OWNER AND INSTALLED BY G.C. – REFER TO ELECTRICAL DRAWINGS.
15	DECOR BY OWNER – G.C. TO COORDINATE INSTALLATION.
16	GRAPHICS BY OWNER – G.C. TO COORDINATE INSTALLATION.
17	NOT USED.
18	NOT USED.
19	NOT USED.
20	PENDANT LIGHT – REFER TO RCP.

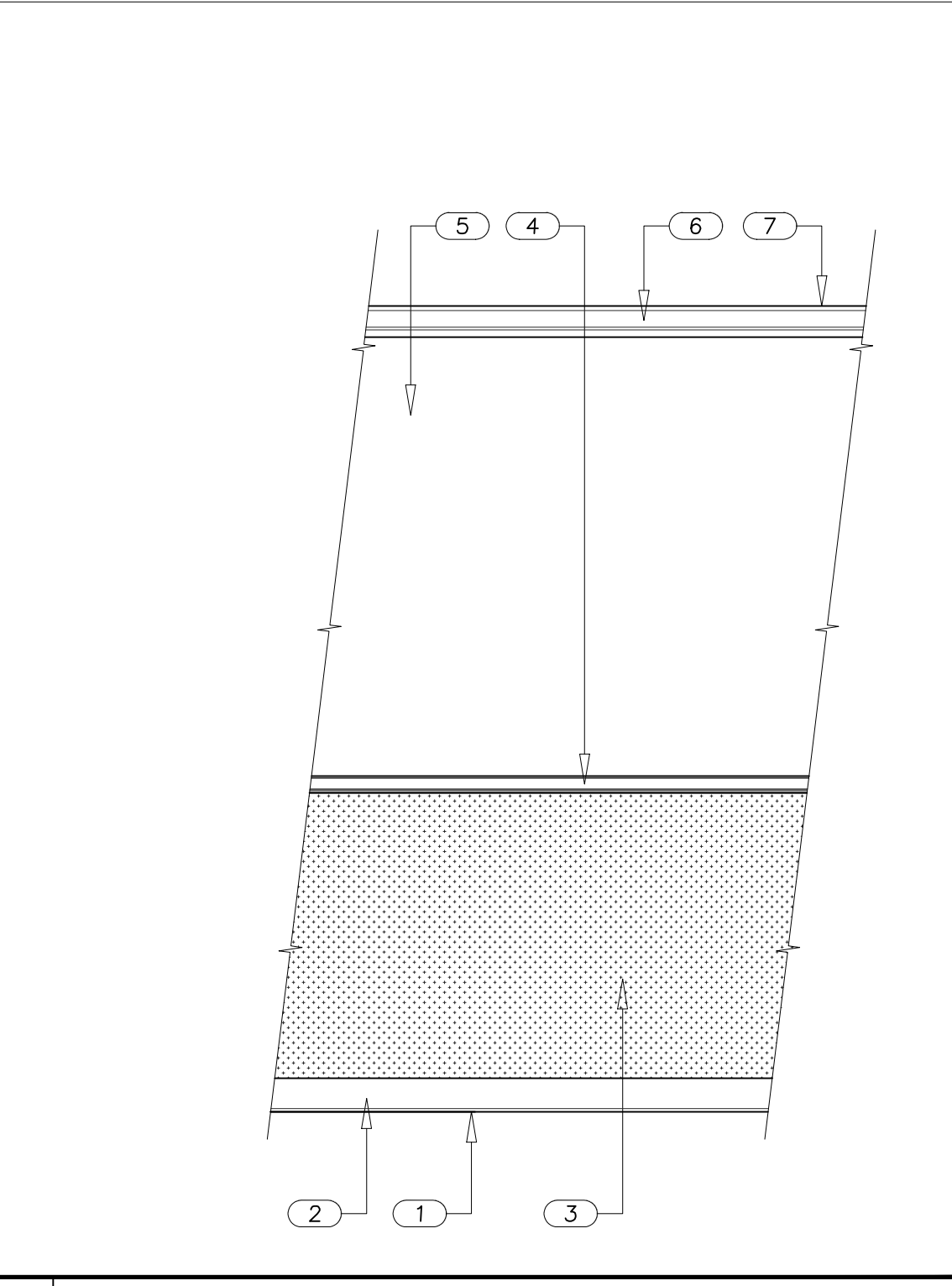
DECOR & GRAPHICS SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	SIZE (W X H)	NOTES
D1	DONATION STATUS SIGN	PUBLIC IMAGERY	14" X 16"	
D2	DEFINITION HOOK & LADDER SIGN	PUBLIC IMAGERY	16.2" X 29.7"	
D3	ARE YOU HUNGRY?	PUBLIC IMAGERY	24" X 48"	
D4	BUNK ROOM	PUBLIC IMAGERY	60" X 12"	
D5	FOUNDATION LOGO SIGN	PUBLIC IMAGERY	27.75" X 26"	
D6	PICKLE BUCKET DISPLAY	PUBLIC IMAGERY	16" X 10"	
D9	FIRE ENGINE CO. SIGN	PUBLIC IMAGERY	59" X 11"	
D10	HOOK & LADDER CO. SIGN	PUBLIC IMAGERY	59" X 11"	
D11	FIRE RESCUE CO. SIGN	PUBLIC IMAGERY	59" X 11"	
D12	FIRE TRUCK ALUMINUM SIGN	PUBLIC IMAGERY	40" X 40"	
D13	FIRE STATION ALUMINUM SIGN	PUBLIC IMAGERY	24" X 18"	
D14	NO PARKING ALUMINUM SIGN	PUBLIC IMAGERY	12" X 18"	
D15	PUBLIC SAFETY FOUNDATION WALL FRAME W/ POSTER	PUBLIC IMAGERY	24" X 40" (OVERALL)	
D16	FHS MISSION STATEMENT FRAMED	PUBLIC IMAGERY	15" X 18"	
D17	FIREHOUSE SUBS LOGO VINYL	PUBLIC IMAGERY	20" X 5"	
D18	FIRE CALL BOX SIGN	PUBLIC IMAGERY		
D19	FHS B&W STOCK PHOTOS	PUBLIC IMAGERY		
D20	FZ SUPPLIED FRAMED LOCAL PHOTOS	PUBLIC IMAGERY	36" X 23"	
D21	FZ SUPPLIED FRAMED LOCAL PHOTOS	PUBLIC IMAGERY	40" X 36"	
D22	FIRE SYMBOL VINYL DECAL (VINYL LOGO)	PUBLIC IMAGERY	CUSTOM	SPEC SIZE WHEN ORDERING

CONTACT:

LOUISE YOUNG
(813) 985-9000 x 2015
lyoung@publicimagery.com

LISA GEDGE
(813) 985-9000 x 2014
lgedge@publicimagery.com



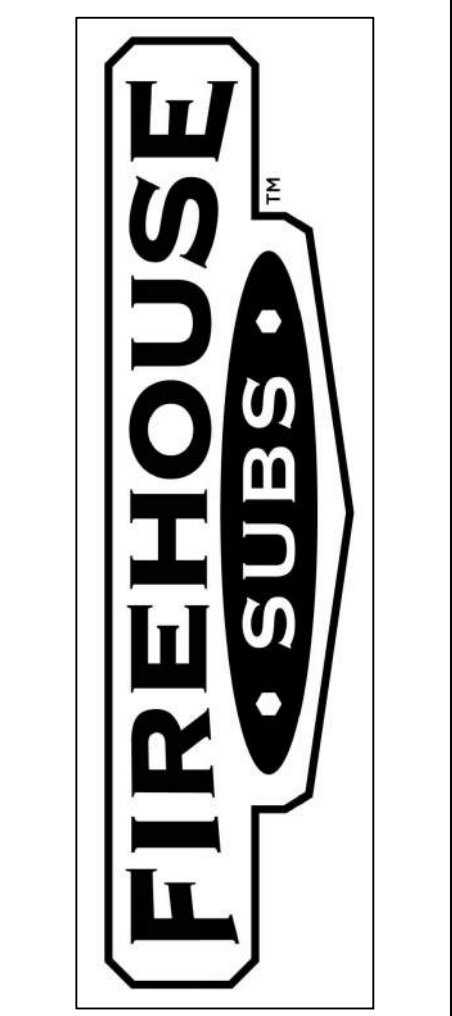
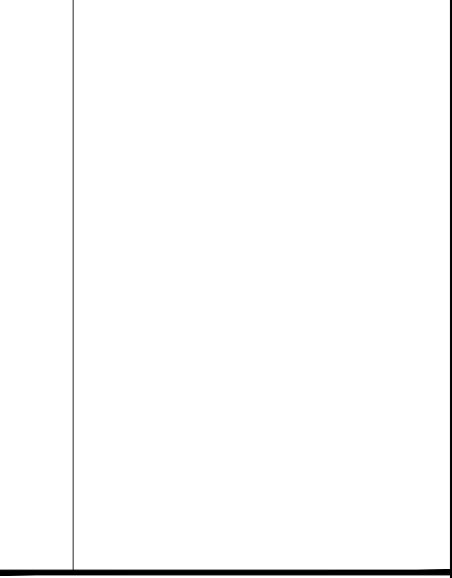
11 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)

12 TYP. DINING ROOM FINISH ELEVATION (U.N.O.)

JON W. SAMMER
ARCHITECT, AIA
4101 Chain Bridge Road
SUITE 102
FAIRFAX, VIRGINIA 22030
(703) 591-0747

PLAN DATES

REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



DUNN,
NORTH CAROLINA

SEAL:

I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF NORTH CAROLINA, LICENSE NUMBER 7676, EXPIRATION DATE 06/30/2026.

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

PROJECT NO. FSDN_2509

SHEET TITLE: INTERIOR ELEVATIONS

SHEET NUMBER:

A5.1

OF



2 TYP. WAINSCOT PANEL DETAIL
SCALE: 1" = 1'-0"

NOT USED

3 TYP. MURAL DETAILS
SCALE: 1" = 1'-0"

NOT USED



5 | COUNTER W/ SNEEZEGUARD WALL
SECTION SCALE: 1" = 1'-0"



7 FAUX PILASTER PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

KEY NOTES NOT ALL KEY NOTES MAY APPLY

- | | |
|----|--|
| 1 | FINISHED CEILING – REFER TO RCP FOR HEIGHTS & FINISHES. |
| 2 | METAL STUD PARTITION – REFER TO CONSTRUCTION PLAN FOR SIZE & SPACING. |
| 3 | GWB PAINTED – REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. |
| 4 | EXTEND GWB BEHIND PERIMETER WAINSCOT PANELING. |
| 5 | FINISHED FLOOR – REFER TO FINISH FLOOR PLAN. |
| 6 | C.T. WAINSCOT. |
| 7 | BASE – REFER TO MATERIAL SCHEDULE ON FLOOR FINISH PLAN. |
| 8 | CONCRETE SLAB. |
| 9 | WAINSCOT PANELING ADHERED TO GWB SHEATHING – REFER TO MATERIAL SCHEDULE ON FLOOR FINISH PLAN. |
| 10 | CONT. ALUMINUM GREY SEALANT AROUND PERIMETER & ● PANEL JOINTS. |
| 11 | P-LAM COUNTERTOP – REFER TO MATERIAL SCHEDULE ON FLOOR FINISH PLAN. WRAP MELAMINE UNDERSIDE, TYP. OVERLAP MELAMINE TO END OF COUNTERTOP. |
| 12 | CHAIRRAIL TRIM MOLDING – REFER TO MATERIAL SCHEDULE ON FLOOR FINISH PLAN. |
| 13 | NOT USED. |
| 14 | DUROCK SHEATHING. |
| 15 | CONTINUOUS CLEAR SILICON CAULK. |
| 16 | 2x12/14" T.S. POST WELDED TO A 4"x5"x1/2" PLATE, ATTACH TO CONCRETE SLAB W/ (4) HALF-HI-LO-HI SUPER RODS 1/2" Ø, IN HY-150-MAX ADHESIVE, 3" EMBEDMENT @ 60" O.C. W/ MFL STUDS ON EACH SIDE OF POST(S). |
| 17 | PLYWOOD SHEATHING – REFER TO COVER SHEET FOR FRT REQUIREMENTS. |
| 18 | THIN BRICK VENEER W/ GROUT LINES (NON-TOOLED) – REFER TO INTERIOR ELEVATIONS & FINISH SCHEDULE FOR SPECS. START BRICK AT TOP OF CHAIR RAIL OR AS NOTED. |
| 21 | FRP PANELING. |
| 22 | NOT USED. |
| 23 | TRACK LIGHT – REFER TO RCP. |
| 24 | P-LAM END PANEL. |
| 25 | ORDER COUNTER MILLWORK CABINETS BY MILGROVE VENDOR. |
| 26 | (3) LAMINATED 2x12 – STAINED ST-1, MOUNTED VERTICALLY ON WALL. |
| 27 | 5/8" DIA. BOLTS W/ WASHERS @ 18" O.C. VERTICALLY – PAINTED BLACK. |

The logo for Firehouse Subs, featuring the word "FIREHOUSE" in a large, bold, sans-serif font, and "SUBS" in a smaller, bold, sans-serif font inside a black oval with a white border. A small "TM" trademark symbol is to the right of the oval.

V.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION

AL:

CERTIFY THAT THESE
DRAWINGS WERE PREPARED OR
APPROVED BY ME, AND THAT I
AM A DULY LICENSED
ARCHITECT UNDER THE LAWS
OF THE STATE OF NORTH
CAROLINA, LICENSE NUMBER
176, EXPIRATION DATE
12/30/2026.

SCALE: AS SHOWN

UNO.

PROJECT NO.

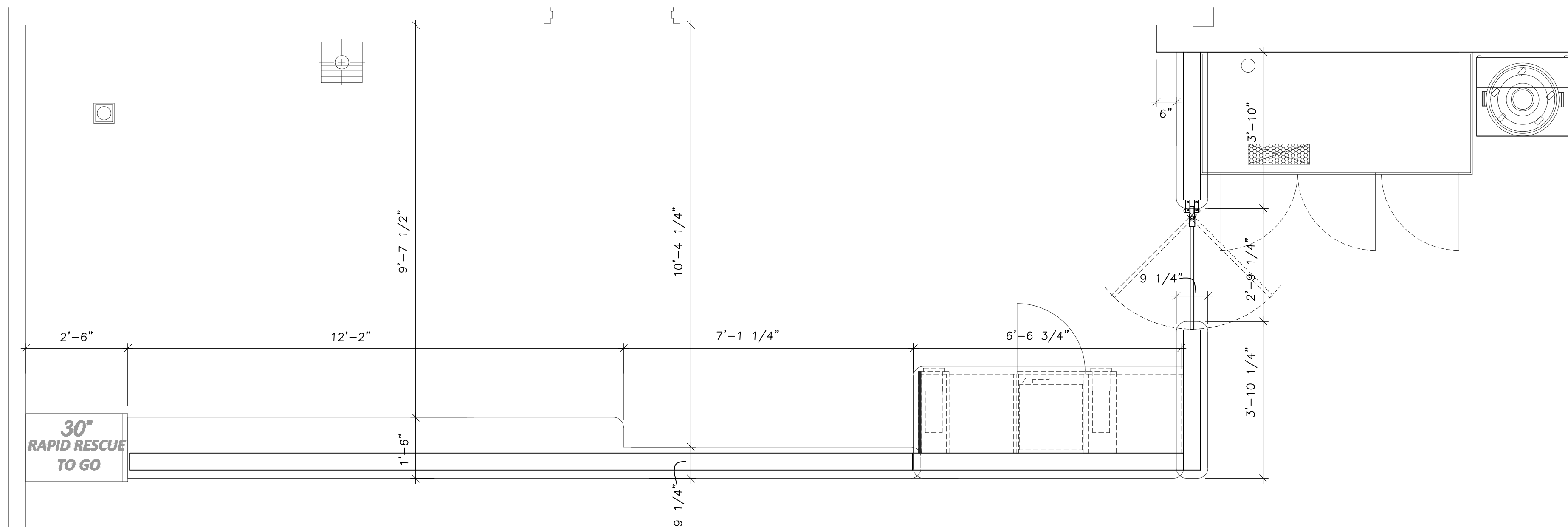
FSDN_2509

INTERIOR DETAILS:
CUSTOMER AREA

SHEET NUMBER:

A8.1

1



8 COUNTERTOP
SCALE: 1/2" = 1'-0"

ELECTRICAL LEGEND	
	DUPLEX RECEPTACLE 18" AFF OR AS NOTED, NEMA 5-20R
WP	WEATHER PROOF DUPLEX RECEPTACLE 18" AFF OR AS NOTED, NEMA 5-20R
USB	WEATHER PROOF DUPLEX RECEPTACLE AFF AS NOTED, NEMA 5-20R W/ USB CHARGER
	DUPLEX RECEPTACLE ABOVE COUNTER OR AS NOTED, NEMA 5-20R
	QUAD RECEPTACLE 18" AFF OR AS NOTED, NEMA 5-20R
IG	DUPLEX RECEPTACLE 18" AFF OR AS NOTED, NEMA 5-20R
	SPECIAL PURPOSE RECEPTACLE 18" AFF OR AS NOTED, SEE SCHEDULE
	WALL / CEILING MOUNTED JUNCTION BOX
60/3/1 	UNFUSED DISCONNECT SWITCH RATING/POLES/NEMA RATING
60/3/3R/40 	FUSED DISCONNECT SWITCH RATING/POLES/NEMA RATING/FUSE SIZE
	TELEPHONE OUTLET, PROVIDE 4" BOX SINGLE GANG PLASTER RING, 3/4" C ABOVE CEILING
	DATA OUTLET, PROVIDE 4" BOX SINGLE GANG PLASTER RING, 3/4" C ABOVE CEILING
	TELEVISION/CABLE OUTLET
	TELEPHONE OUTLET, PROVIDE 4" BOX FLUSH IN FLOOR, 3/4" C ABOVE CEILING
	DATA OUTLET, PROVIDE 4" BOX FLUSH IN FLOOR, 3/4" C ABOVE CEILING
	TIME CLOCK
	LIGHTING CONTACTOR
	PHOTO CELL

ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS IN KITCHENS AND FOOD PREP AREAS SHALL USE GFCI BREAKER TYPE. GFCI BREAKERS SHALL BE INSTALLED IN ACCORDANCE WITH 2020 NEC ARTICLE 210.8.

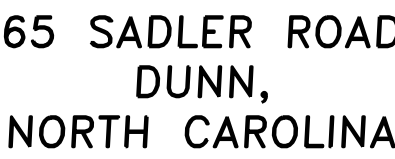
1. CONFIRM ALL RECEPTACLES AND DATA MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN. ALL CONDUCTORS ARE COPPER AND #12AWG OR LARGER UNLESS NOTED OTHERWISE.
2. RECEPTACLES AT P.O.S. SHALL BE SURGE PROTECTED. PROVIDE SURGE PROTECTION. SURGE PROTECTOR SHALL BE EATON 120/208V, 100KA NOM, DISCHARGE AMPS 20KA, 200KA AMPS SC RATED OR APPROVED EQUAL.
3. PROVIDE WORKING CLEARANCE IN FRONT OF PANELS PER N.E.C. COORDINATE FINAL LOCATION WITH OWNER.
4. DIGITAL MENU BOARD RECEPTACLES INSTALLED AT 90" AFF.VERIFY FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.
5. G.C TO FIELD VERIFY EXISTING BREAKER POSITIONS IN EXISTING PANEL "A" FOR ALL EXISTING EQUIPMENT CONNECTIONS.
6. NOT USED
7. G.C RESPONSIBLE FOR ALL DATA RINGS AND TERMINATIONS FOR THIS LOCATION FOR POS VENDOR.
8. G.C. SHALL VERIFY AND COORDINATE ALL ELECTRICAL REQUIREMENTS FOR WALK-IN FREEZER AND COOLER WITH OWNER AND OWNER PRIOR ROUGH-IN
9. G.C SHALL VERIFY ALL ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN.

P.O.S. STATION:

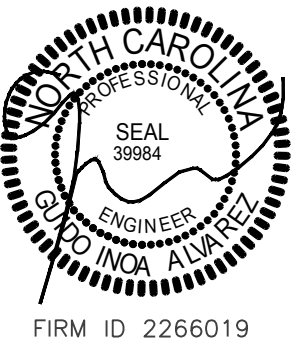
-

$$1/4'' = 1'-0''$$

PLAN DATES	
REV.	SUBMISSION
	10/01/2025
	PROGRESS SUBMISSION
	10/10/2025
	BID & PERMIT SUBMISSION



SEAL:



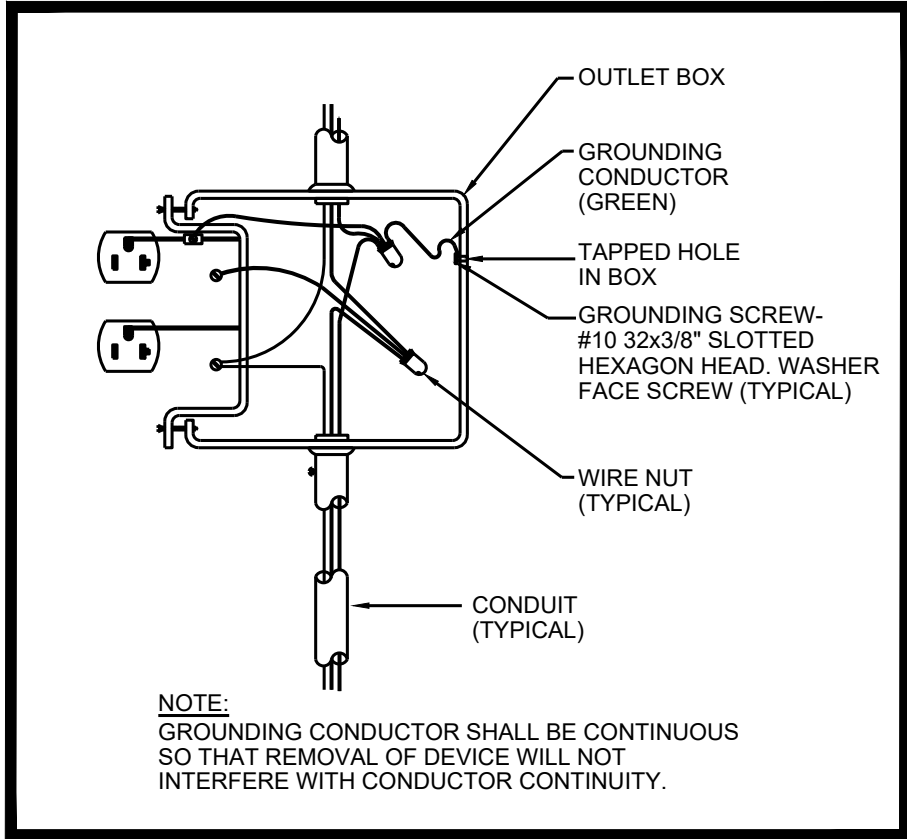
SCALE:

U.N.O.
PROJECT NO.
FSDN_2509

SHEET TITLE:
ELECTRICAL
POWER PLAN

SHEET NUMBER:

E1.0



GROUNDING RECEPTACLE DETAIL
N.T.S

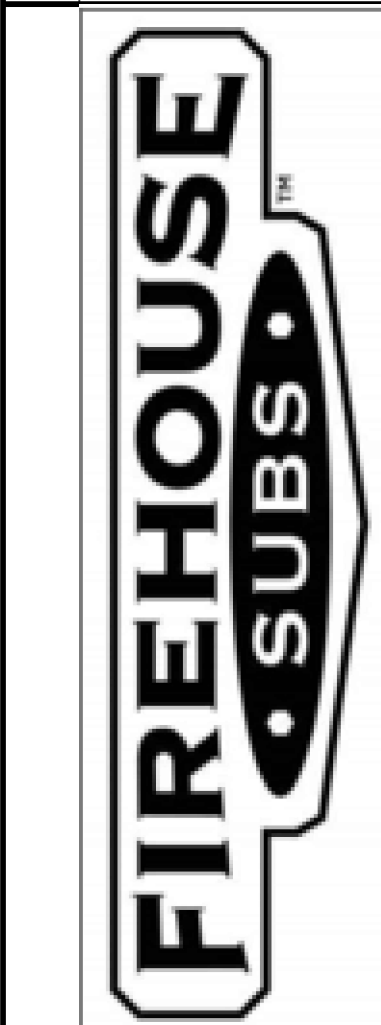
#	DESCRIPTION	QTY.	MANUFACTURER	MODEL NUMBER	REMARKS	BY OWNER	BY PURVEYOR	FABRICATED	KEC	BY G.C.
100	POS COUNTER	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
101	LAMINATED COUNTER TOP	1 LOT	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.; G.C. TO PROVIDE FIELD DIMNSIONS			X		
102	36" DOUBLE ACTION SWING GATE	1	ELLIASON	CAFE SWING GATE; COLOR: RED	INSTALL BY G.C.			X		
103	RAPID RESCUE TO GO SHELF	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
104	PICKLE BUCKET DISPLAY	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
105	TRASH RECEPTACLE & BIN FRAME	1	MILLWORK CONTRACTOR	CUSTOM	INSTALL BY G.C.			X		
107	CHIP STAND	2	FRITO LAY	TBD	INSTALL BY G.C.		X			
108	MENU BOARD	1	B&J PEERLESS	CUSTOM					X	
109	LTO BOARD	4	B&J PEERLESS	CUSTOM					X	
111	SELF-SERVE ORDER KIOSK	0	TOAST	#						
112	HOT SWAGE RACK	1	B&J PEERLESS	CUSTOM			X			X
202	SAFE	1	BY OWNER	TBD	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER	X				
205	STEAMER WATER FILTRATION SYSTEM (VZN)	1	ANTUNES	VZN-541HC						X
206	ICE MACHINE	1	HOSHIZAKI	440-KM520MAJ						X
208	ICE MACHINE FILTER	1	ECOLAB	9320-3887	SCS50 PLUMBER TO MOUNT FILTER TO WALL		X			
210	SLICER	1	BIZERBA	GSP HGI				X		
211	SLICER TABLE	1	BIZERBA	SLICER-TABLE-1				X		
213	SLIM JIM TRASH RECEPTACLE	6	CARLUSLE	CARL3402303						X
215C48	24x48 SHELVING UNIT	2	SKIBEE	SKIBSKWGR2448CWP	5 TIERS, 74" POSTS					X
215E48	18x48 SHELVING UNIT W/ MITG BRACKETS	2	SKIBEE		5 TIERS, 74" POSTS					X
217	FREESTYLE SYRUP RACK & PUMP	1	COCA-COLA	45897				X		
218	C02 TANK	1	HELGET	CARBO MIXER 550	EXTERIOR PLACEMENT	X				
222	BOOSTER PUMP	1	LITTLE GIANT	25LGL1100N41						X
222A	TANKLESS INSTANT HOT WATER HEATER	1	TBD		REFER TO PLUMBING DRAWINGS					X
236	HAND SINK	1	SKIBEE	SKHS175S	T&S FAUCET INCLUDED					X
237A	REFRIGERATOR, TWO DOOR	2	TRUE	T-49-HC	W/ STACKING KIT					X
238	BOTTLES TO GO COOLER	1	COCA-COLA	TBD			X			
239	WORK TABLE, 30"x60"	2	SKIBEE	SKIBSKWT3060ESCC						X
242	STEAMER TABLE	1	ANTUNES	7000-2222						X
243	COUNTERTOP DRAINER STEAMER	2	ANTUNES	IS-1000						X
244	STEAM WATER SOFTENER SYSTEM	1	ANTUNES	WSS-0618-ENC						X
245	COUNTERTOP CONVECTION OVEN	1	CADCO	OY-003				X		
246	MICROWAVE	1	AMANA	RCS100SE						X
247	72" REFRIGERATED PREP TABLE (ATC)	1	TRUE	TSSU7230MB-HC						X
249	FREEZER, WORK TOP -- 48"	1	TRUE	TWT-48F						X
250	COUNTERTOP WARMER	2	NEMCO	NEMC6055A						X
251	CUP DISPENSER	6	SAN JAMAR	C2410C						X
253	POS & KOS ORDER SYSTEM	1 LOT	BY OWNER	-		X				
254	WORK TABLE 36"x84"	1	EAGLE	T3684B						X
255	COUNTERTOP CONVECTION TOASTER	1	LINCOLN	2051						X
256	COUNTERTOP VENTLESS FRYER	1	PERFECT FRY	PFA-730	50 AMP BREAKER					X
257A	COUNTERTOP SODA MACHINE	1	LANCER	SENSATION-30				X		
257B	ICE MACHINE STACKING KIT	1	COCA-COLA	DF150				X		
258	METAL CONDIMENT COUNTER	1	MILLWORK CONTRACTOR	CUSTOM	STAINLESS COUNTERTOP; INSTALLED BY G.C.				X	
259	TEA BREWER	1	BUNN	52000.03000						X
260	TEA DISPENSER	2	BUNN	SELF SERE 9100						X
261	CONDIMENT CONTAINER	1	SAN JAMAR	B4093L						X
262	CONDIMENT TRAY	1	DISPENSER RITE	V5CH-6BT						X
263	FOUNDATION DONATION CUP	1	-	-						X

EXISTING EQUIPMENT SCHEDULE

#	DESCRIPTION	QTY.	MANUFACTURER	MODEL NUMBER	REMARKS	BY OWNER	BY PURVEYOR	FABRICATED	KEC	BY G.C.
E201	S/S WORK TABLE -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E202	CONVEYOR TOASTER -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E203	REFRIGERATED WORK TABLE -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E204	METRO SHELVING -- EXISTING TO REMAIN	8	ETR	ETR	ETR					
E205	DUNNAGE RACK -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E206	3-COMP SINK -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E207	HANDSINK W/ SIDE SPLASHGUARDS -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E208	METRO WALL SHELF	2	ETR	ETR	ETR					
E219	MOP SINK -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E219A	MOP RACK -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E220	MOP SINK FAUCET -- EXISTING TO REMAIN	1	ETR	ETR	ETR					
E223	WALK-IN COOLER	1	ETR	ETR	ETR					
E223A	COOLER REFRIGERATION	1	ETR	ETR	ETR					
E223B	WALK-IN FREEZER	1	ETR	ETR						
E223C	FREEZER REFRIGERATION	1	ETR	ETR	ETR					

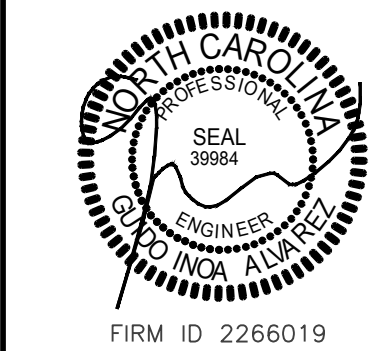


PLAN DATES	
REV.	SUBMISSION
	10/01/2025 PROGRESS SUBMISSION
	10/10/2025 BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:



SCALE:

UNB.
PROJECT NO.
FSDN_2509

SHEET TITLE:
EQUIPMENT
SCHEDULE AND
DETAILS

SHEET NUMBER:

E1.1
OF

LIGHTING SCHEDULE				
MARK	SYMBOLS	MFR	MFR PART #	DESCRIPTION
A1		ABL-LITHONIA LIGHTING	EPANL 24 40L 40K	LITHONIA 4350 LUMENS 2X4 FLAT PANEL LED 40K
A2		ABL-LITHONIA LIGHTING	EPANL 24 40L 40K E10WCP	LITHONIA 4350 LUMENS 2X4 FLAT PANEL LED 40K NITE LIGHT
B1		SATCO / NUVO	SF76-663	RED PENDANT LIGHT LED
D1		LITHONIA LIGHTING	LDN6-35-15-L06-AR-LSS-MVOLT DRIVER-GZ10	RECESSED DOWN LIGHT FINISH CLEAR
C1 C2 C2A		JUNO	R4BL/48BL	BLACK 4FT/8FT ALPHA TRACK SECTION JUNO
EX		PROGRESS LIGHTING	PECUE-UR-30RC	90 MINUTE BATT. BACKUP POWER
EM		PROGRESS LIGHTING	PE2EU-30	90 MINUTE BATT. BACKUP POWER
EX2		PROGRESS LIGHTING	PERHC-DB-OD-30	90 MINUTE BATT. BACKUP POWER



TIME CLOCK DETAIL
N.T.S



SWITCHBANK DETAIL
N.T.S

LIGHTING NOTES:

1. PROVIDE NON-CONTACTORED, NON-SWITCHED HOT CONDUCTOR OF SAME CIRCUIT TO EACH EMERGENCY LIGHTING FIXTURE, EXIT SIGN AND NIGHT LIGHT.
2. PROVIDE DISCONNET SWITCH UP HIGH AT SIGN FOR SIGNAGE CIRCUITS AS REQUIRED BY NEC 600. SIGNS SHALL BE RUN THROUGH A PHOTOCELL. SEE DETAIL. COORDINATE REQUIREMENTS AND MOUNTING LOCATION WITH OWNER AND LANDLORD. (NOT USED)
3. PROVIDE NEW TIME CLOCK. COORDINATE WITH OWNER PRIOR TO INSTALLATION.
4. PROVIDE SWITCHBANK FOR LIGHTING. PROVIDE DIMMERS FOR DINING FIXTURES, TOGGLES FOR NOT DIMMER FIXTURES, AND A MOTOR RATED SWITCH FOR THE FANS. GC TO PROVIDE KEY BOX FOR SWITCHBANK. COORDINATE FINAL LOCATION WITH OWNER PRIOR INSTALLATION.
5. TO SWITCHBANK. SEE DETAIL IN THIS SHEET.
6. FIXTURE PROVIDED WITH WALK-IN COOLER/FREEZER. CONTRACTOR TO PROVIDE POWER TO COOLER AS SPECIFIED IN KITCHEN EQUIPMENT SCHEDULE (WHEN APPLICABLE).
7. CONNECT EMERGENCY LIGHTING TO EXISTING LIGHTING CIRCUIT FEEDING AREA WHEN APPLICABLE.
8. ALL LIGHTING IS EXISTING TO REMAIN.
9. LIGHTING FIXTURES IN THIS AREA ARE TO BE RE-USED AND FITTED WITH LED LAMPS AND BALLASTS. GC TO COORDINATE WITH OWNER AND LIGHTING VENDOR PRIOR TO BIDDING. GC TO ENSURE FIXTURES ARE IN CLEAN WORKING CONDITION PRIOR TO BIDDING.
10. PROVIDE EMERGENCY LIGHTING IN EXISTING AREAS IN COMPLIANCE WITH CODE WHERE REQUIRED.



SUSPENDED CEILING LIGHTING SUPPORT DETAILS
N.T.S



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

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Firehouse Subs
Project Type: New Construction

Construction Site: 65 Sadler Road
Dunn, North Carolina

Owner/Agent: Nahomy Ramirez
Designer/Contractor: Converge Engineering

Additional Efficiency Package(s)
Credits: 1.0 Required, 1.0 Proposed
Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Dining, Cafeteria/Fast Food	845	0.81	684
Total Allowed Watts = 684			

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
1-Dining, Cafeteria/Fast Food				
LED: A1/A2: Other:	1	10	42	420
LED: B1: Other:	1	4	12	48
Total Proposed Watts = 468				

Interior Lighting PASSES: Design 32% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

NAHOMY RAMIREZ
Name - Title

Nahomy R.O.
Signature

10/10/2025
Date

Project Title: Firehouse Subs
Data filename: Report date: 10/10/25
Page 1 of 4

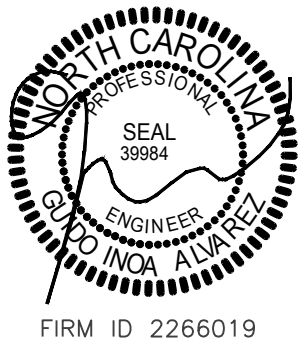


PLAN DATES	
REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:



SCALE:

PROJECT NO.
FSDN_2509

SHEET TITLE:
ELECTRICAL
LIGHTING PLAN

SHEET NUMBER:

E2.0

OF

PLAN DATES	
REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:

NORTH CAROLINA

PROFESSIONAL

SEAL

30984

ENGINEER

NO INK ALIEN

FIRM ID 2266019

SCALE:

UNO

PROJECT NO.

FSDN_2509

SHEET TITLE:
MECHANICAL
POWER PLAN

SHEET NUMBER:

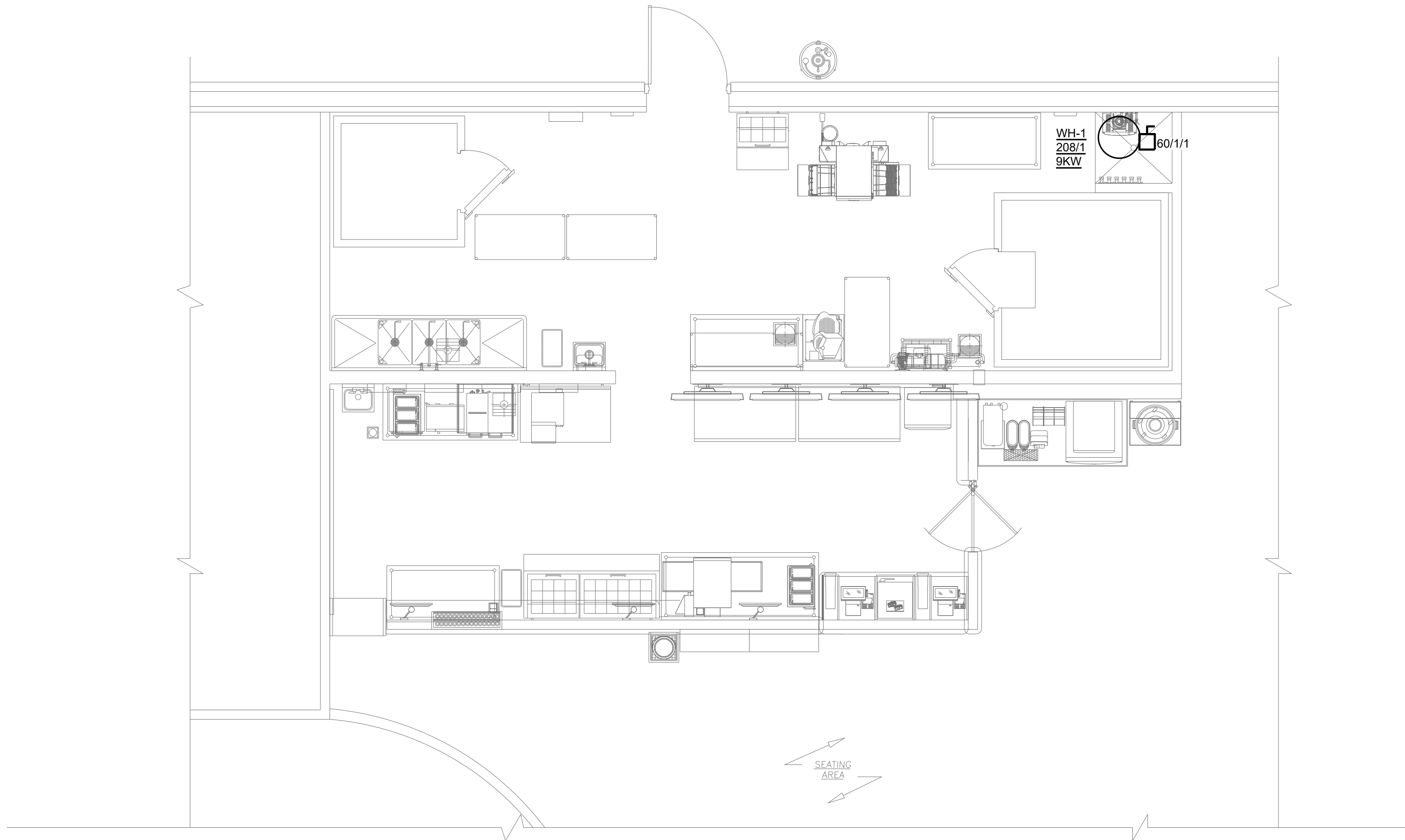
E3.0

MECHANICAL NOTES:

1. COORDINATE WITH MECHANICAL CONTRACTOR ON ALL MECHANICAL EQUIPMENT PURCHASED PRIOR TO INSTALLATION OF ELECTRICAL DISTRIBUTION. IF EQUIPMENT PURCHASED DIFFERS FROM WHAT IS SHOWN ON THESE PLANS, PROVIDE MANUFACTURER RECOMMENDED FEEDER, CONDUIT, DISCONNECT, AND OVERCURRENT PROTECTION.

MECHANICAL EQUIPMENT SCHEDULE																		
EQUIPMENT NAME	VOLTAGE	PHASE	HP	KW	KW / POLE	FLA	MCA	MOCP	BREAKER AMPACITY	PANEL	FEEDER	DISCONNECT (NOTE 1)				CONTROL		
												SIZE	POLES	FUSE SIZE	ENCLOSURE			
WH-1	208	1			4.50			60	60	A-11,13	2 # 4 .1# 10 G- 1 "C.	60	2	NF	NEMA 3R	BY DIVISION 26		

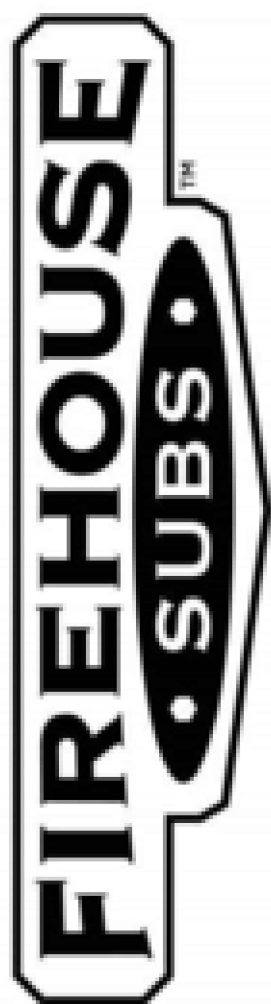
NOTES:
1. DISCONNECT SWITCH IS NOT REQUIRED IF UNIT IS PROVIDED WITH DISCONNECT OR IF UNIT HAS CORD/PLUG AND RECEPTACLE.



MECHANICAL POWER PLAN
1/4" = 1'-0"

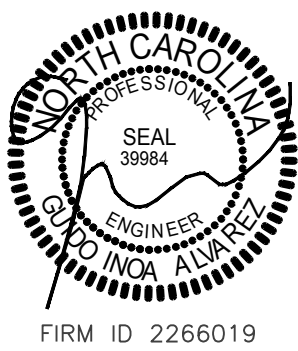
PLAN DATES

REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:



SCALE:

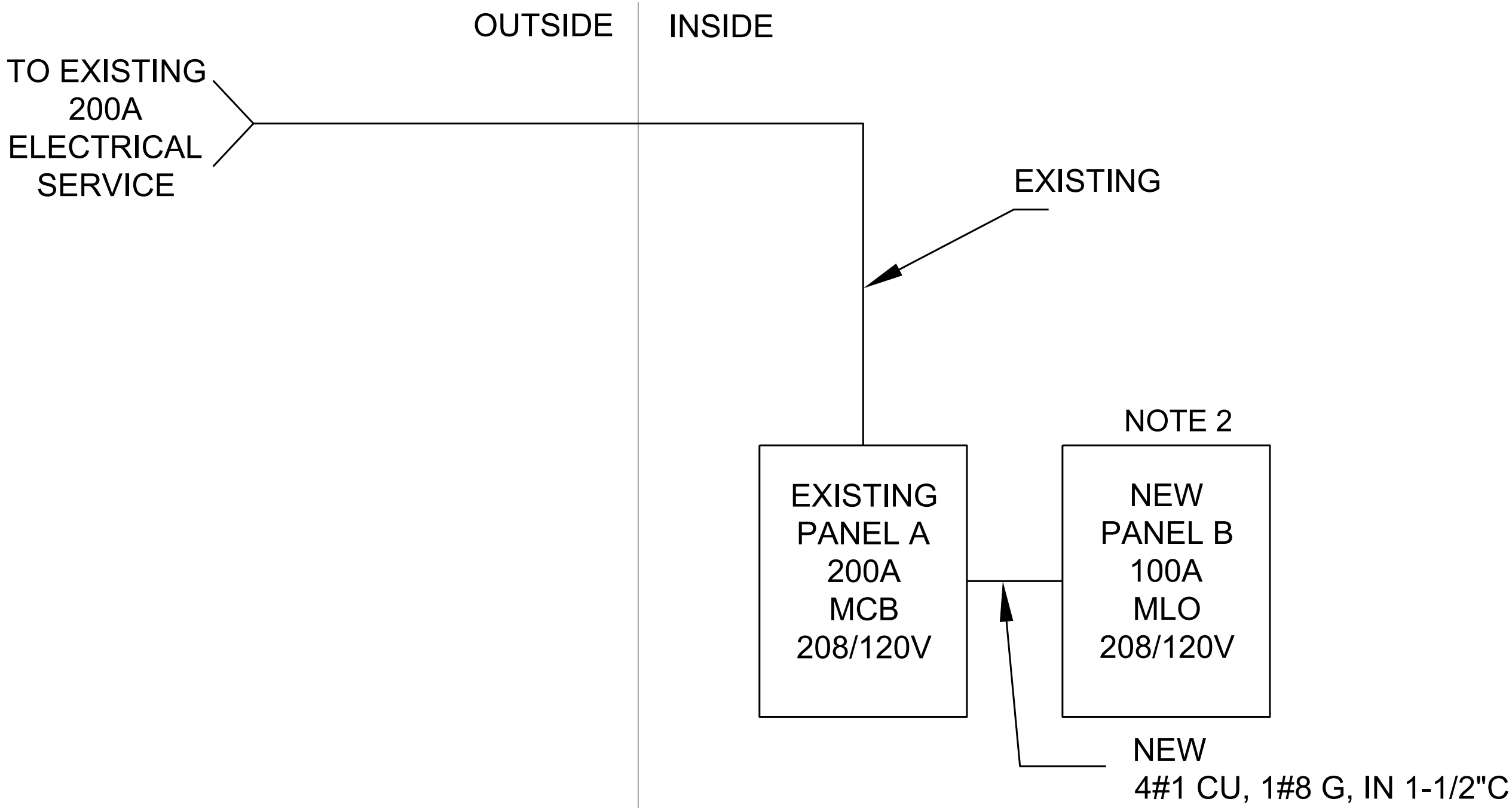
PROJECT NO.
FSDN_2509

SHEET TITLE:
ELECTRICAL
RISER AND
PANELS

SHEET NUMBER:

E4.0

OF



RISER DIAGRAM
N.T.S.

LOAD SUMMARY				
		VOLTAGE:	208 V/ 120V	
CIRCUIT DESCRIPTION	PANEL A	PANEL B	CONNECTED	DEMAND
LIGHTING	0.7	0.0	0.67	0.84
RECEPTACLE	1.2	0.8	2.00	2.00
MOTOR	0.0	1.0	1.00	2.40
HEATING	0.0	0.0	0.00	0.00
COOLING	0.0	0.0	0.00	
KITCHEN	55.7	15.2	70.90	46.09
MISC	12.7	0.0	12.70	12.70
NEW TOTAL DIVERSIFIED KVA				64
NEW TOTAL DIVERSIFIED AMPS				178

PANEL NAME			LOCATION:		VOLTAGE: 208 V/ 120V 3 PHASE						MOUNTING/ ENCLOSURE:		EXISTING /		NEMA 1	
A			BOH		200A MCB						EXISTING					
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION		KVA	CKT	A	B	C	CKT	KVA	CIRCUIT DESCRIPTION		TYPE	POLES	AMPS
20	1	L	FOH LIGHTS		0.47	1	5.94			2	5.47	PANEL B		T	3	100
20	1	L	TIME CLOCK		0.20	3		6.09		4	5.89			T		
20***	1	K	FOOD WARMER (250)		1.20	5			6.87	6	5.67			T		
50***	2	K	VENTLESS FRYER (250)		3.65	7	5.57			8	1.92	FREEZER HEATER (EXISTING)		K	1	20***
					3.65	9		3.65		10	0.00	SPARE			1	20
60*	2		WH-1		4.50	11			4.80	12	0.30	SAFE (202)			1	20
					4.50	13	4.50			14	0.00	SPARE			1	20
20	1	R	GENERAL RECEPT. (KITCHEN)		0.40	15		3.40		16	3.00	CONVEYOR TOASTER (255)		K	2	50***
20	1		SPARE		0.00	17			3.00	18	3.00	DIGITAL MENU BOARD		K	1	20
20	1		SPARE		0.00	19	0.60			20	0.60	PERFECT FRY FILTER		K	1	20***
20	1	R	PANEL RECEPT.		0.30	21		0.90		22	0.60	KDS ORDER MONITORS (253)		K	1	20***
20***	1	K	REFRIG WORK TABLE (EXISTING)		0.86	23			1.86	24	1.00	COUNTERTOP STEAMER (243)		K	2	50***
20	1	R	CONVENIENCE RECEPT. (KITCHEN)		0.50	25	4.70			26	4.20	COUNTERTOP STEAMER (243)		K	2	50***
20	1		POS (253)		0.60	27		4.80		28	4.20			K	2	50***
20	1		POS (253)		0.60	29			4.80	30	4.20			K	2	50***
20***	1	K	DIGITAL MENU BOARD		0.60	31	4.80			32	4.20	FREEZER LIGHTS/RECEPT (EXISTING)		K	1	20***
20	1		COOLER CONDENSER (EXISTING)		1.92	33		3.84	2.50	34	1.92	CONVEYOR TOASTER (EXISTING)		K	2	30***
20	1		SPARE		0.00	35				36	2.50	WALK-IN FREEZER COND. (EXISTING)		K	2	50***
20***	1	K	COOLER LIGHTS (EXISTING)		1.92	37	4.42			38	4.16			K		
20***	1	K	COOLER FAN (EXISTING)		1.92	39		6.08		40	4.16			K	2	50***
20	1		SPARE		0.00	41			4.16	42	4.16			K		
TOTAL							30.5	28.8	28.0	KVA		TOTAL CONNECTED LOAD		87 KVA	242 A	
*** PROVIDE GFCI BREAKER												TOTAL DEMAND LOAD		68 KVA	189 A	
** PROVIDE LOCK ON BREAKERS IN THE OPEN POSITION																
* PROVIDE HACR TYPE CIRCUIT BREAKER																

L	LIGHTING	0.7		0.8
R	RECEPTACLE	1.2		1.2
M	MOTOR	0.0	2.4	0.0
H	HEATING	0.0		0.0
AC	AC	0.0		
K	KITCHEN	55.7	65%	36.2
MISC	MISCELLANEOUS	12.7		12.7
T	TRANSFORMED FROM SUB PANEL	17.0		17.0

FILL IN KVA OF LARGEST MOTOR
AND DIVERSITY FACTOR FOR KITCHEN

PANEL NAME			LOCATION:	VOLTAGE: 208 V/ 120V 3 PHASE						MOUNTING/ ENCLOSURE: RECESSED / NEMA 1					
B			BOH	100A MLO						NEW					
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	B	C	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS	
20***	1	K	FOOD WARMER (250)	1.20	1	1.82			2	0.62	REFRIGERATOR TWO DOOR (237A)	K	1	20***	
20***	1	K	CONVECTION OVEN (245)	1.45	3		2.75		4	1.30	ICE MACHINE (206)	K	1	20***	
20***	1	K	REFRIGERATOR TWO DOOR (237A)	0.62	5			1.42	6	0.80	CONVENIENCE RECEPT. (KITCHEN)	R	1	20	
20***	1	K	SLICER (210)	1.20	7	1.75			8	0.55	WORKTOP FREEZER (249)	K	1	20***	
20***	1	K	72" REFRIG. PREP (247)	0.86	9		2.54		10	1.68	TEA BREWER (259)	K	1	20***	
20***	1	K	SODA MACHINE (257)	1.20	11			2.75	12	1.55	MICROWAVE (246)	K	1	20***	
20***	1	K	BOTTLES TO GO COOLER (238)	1.20	13	1.30			14	0.10	ICE MACHINE FILTER (208)	K	1	20***	
20	2	M	BOOSTER PUMP (222)	0.50	15		0.60		16	0.10	WATER FILTRATION SYSTEM (205)	K	1	20***	
20***	1	K	STEAM WATER SYSTEM (244)	0.50	17			1.50	18	1.00	CARBONATOR (217)	K	1	20***	
20***	1	K	SPARE	0.60	19	0.60			20	0.00	SPARE		1	20	
20	1		SPARE	0.00	21				22	0.00	SPARE		1	20	
20	1		SPARE	0.00	23				24	0.00	SPARE		1	20	
20	1		SPARE	0.00	25				26	0.00	SPACE		1	20	
20	1		SPACE	0.00	27				28	0.00	SPACE		1	20	
20	1		SPACE	0.00	29				30	0.00	SPACE		1	20	
*** PROVIDE GFCI BREAKER				TOTAL		5.5	5.9	5.7	KVA		TOTAL CONNECTED LOAD		17 KVA	47 A	
** PROVIDE LOCK ON BREAKERS IN THE OPEN POSITION												TOTAL DEMAND LOAD		12 KVA	34 A
* PROVIDE HACR TYPE CIRCUIT BREAKER															

L	LIGHTING	0.0		0.0
R	RECEPTACLE	0.8		0.8
M	MOTOR	1.0	2.4	1.6
H	HEATING	0.0		0.0
AC	AC	0.0		
K	KITCHEN	15.2	65%	9.9
MISC	MISCELLANEOUS	0.0		0.0
T	TRANSFORMED FROM SUB PANEL	0.0		0.0

FILL IN KVA OF LARGEST MOTOR
AND DIVERSITY FACTOR FOR KITCHEN

GENERAL PLUMBING NOTES

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING AND FIRE PROTECTION SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING AND FIRE PROTECTION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
2. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCT WORK, LIGHTS, CONDUITS, AND STRUCTURAL ITEMS, ETC....
3. ALL DRAINAGE PIPING AND POTABLE WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS AS HIGH AS POSSIBLE.
4. EXPOSED PIPING AT FIXTURES SHALL BE SECURED TO WALLS CONSTRAINED AGAINST ANY FREE MOVEMENT OF PIPING.
5. CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL DOMESTIC WATER, SANITARY SEWERS, STORM DRAINS, FIRE SUPPLY AND GAS SERVICES AT APPROXIMATELY 5'-0" FROM BUILDING STRUCTURE UNLESS OTHERWISE NOTED.
6. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL PLUMBING FIXTURES MUST BE VERIFIED IN FIELD PRIOR TO INSTALLATION. FINAL LOCATIONS AND HEIGHTS SHALL BE AS DIRECTED BY ARCHITECT.
7. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS INCLUDING KITCHEN AND LAUNDRY EQUIPMENT PER MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS. FINAL CONNECTION SHALL INCLUDE ANY ADAPTERS, NIPPLES SHUTOFF VALVES, PRESSURE REGULATING VALVES, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, ETC. CONTRACTOR SHALL COMPLETELY REVIEW EACH EQUIPMENT ITEMS INSTALLATION INSTRUCTIONS PRIOR TO COMMENCEMENT OF WORK. ALL ITEMS REQUIRED FOR INSTALLATION ARE INCLUDED IN THE PLUMBING CONTRACTOR'S SCOPE.
8. DO NOT RUN PLUMBING OR FIRE PROTECTION PIPING THROUGH TRANSFORMER VAULTS, ELECTRICAL CLOSETS, ELECTRICAL SWITCHGEAR ROOMS, ELEVATOR EQUIPMENT ROOMS, COMPUTER ROOMS OR TELEPHONE ROOMS. DO NOT RUN ANY PIPING ABOVE ELECTRICAL PANELS OR OTHER ELECTRICAL/CONTROLS COMPONENTS.
9. ALL COMMERCIAL FIXTURES SPECIFIED BY AN EQUIPMENT PROVIDER SHALL OVERRIDE ANY SPECIFIED PLUMBING FIXTURES ON THIS PLAN. THE PLUMBER SHALL COORDINATE FINAL REQUIRED FIXTURES WITH OWNER/EQUIPMENT SUPPLIER, VERIFY CONNECTION SIZE AND LOCATION OF ALL ITEMS WITH KITCHEN EQUIPMENT DRAWINGS.
10. PROVIDE AN EXPANSION JOINT ON ALL PIPING SYSTEMS THAT CROSS BUILDING EXPANSION JOINTS.
11. PROVIDE CONNECTION TO EXISTING WATER SERVICE WHERE AVAILABLE. PROVIDE WATER METER, PRV STATION WITH FULL SIZE BYPASS, AND RPZ VALVE. COORDINATE METER AND BACKFLOW REQUIREMENTS WITH LOCAL AUTHORITY AND UTILITY COMPANIES. CONNECT TO EXISTING SANITARY AND KITCHEN WASTE STUB WHERE AVAILABLE. CONNECTIONS TO EXISTING UTILITIES SHALL BE COORDINATED IN THE FIELD FOR EXACT LOCATION AND INVERT AVAILABILITY.
12. PROVIDE GAS CONNECTION TO EXISTING METER WHERE POSSIBLE. PROVIDE CONNECTION TO ROOF MOUNTED EQUIPMENT AND TO KITCHEN EQUIPMENT AS INDICATED ON KITCHEN EQUIPMENT DRAWING. PROVIDE SHUT-OFF VALVES AT ALL POINTS OF CONNECTION. PROVIDE SOLENOID SHUT-OFF VALVE FOR GAS ITEMS UNDER KITCHEN HOODS. INTERLOCK SOLENOID WITH HOOD FIRE PROTECTION SYSTEM. GAS PIPING SHALL NOT BE ROUTED BELOW FLOORS. PIPING INDICATED AS BELOW SLAB SHALL BE PROVIDED IN A PREFABRICATED MODULAR STAINLESS STEEL UTILITY TRENCH.
13. ALL PLUMBING FIXTURES, PIPING, AND MATERIALS SHALL BE LISTED OR LABELED AND INSTALLED AS PER A RECOGNIZED APPROVAL AGENCY.
14. ALL WORK WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH ALL CITY, STATE AND NATIONAL PLUMBING CODES. ALL WORK SHALL CONFORM TO BUILDING STANDARDS.
15. PLUMBING CONTRACTOR SHALL VERIFY VOLTAGE, PHASE AND WIRE SIZE OF PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASE OF EQUIPMENT
16. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. THE PLUMBER SHALL SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. COORDINATE THE EXACT SIZE AND LOCATION OF ALL SLEEVES WITH STRUCTURAL ENGINEER. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
17. COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS.
18. ALL DRAINAGE PIPING AND VENT PIPING SHALL SLOPE AT 1/8" INCH PER FOOT UNLESS OTHERWISE NOTED.
19. EXACT LOCATION OF ALL CLEANOUTS MUST BE COORDINATED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
20. SANITARY VENTS MUST TERMINATE A MINIMUM OF 10 FT. FROM OR 2 FT. ABOVE AIR INTAKES, WINDOWS OR VENT SHAFTS.
21. ALL HOSE BIBBS AND WASHDOWN FAUCETS ARE REQUIRED TO HAVE PROPER BACKFLOW PREVENTERS WHERE HOSES ARE ATTACHED AND LEFT UNATTENDED. CHEMICAL FEED SYSTEMS AT COMMERCIAL KITCHENS SHALL HAVE DEDICATED BACKFLOW PREVENTERS SEPARATE FROM WASH-DOWN OR HOSE BIB FIXTURES.
22. PROVIDE 12" x 12" ACCESS PANELS FOR SHOCK ABSORBERS, TRAP PRIMERS AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION. ALL ACCESS PANELS SHALL BE LOCATED SO THAT THEY ARE NOT VISIBLE TO PUBLIC VIEW.
23. WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 1'-6" ABOVE GRADE OR FLOOR LEVELS.
24. PIPING INSULATION SHALL BE PROVIDED WITH CONTINUOUS AIR-TIGHT VAPOR BARRIER WITH NO LOOSE TAPE OR EXPOSED INSULATION MATERIAL. CONDENSATE PIPING SHALL BE PROVIDED WITH ELECTROMETRIC INSULATION. ALL INSULATION AND WRAPPING JOINTS AND SEAMS SHALL BE PROVIDED WITH 1" OVERLAP AND MANUFACTURER RECOMMENDED, AIR-TIGHT MASTIC AT ANY INSULATION OR VAPOR BARRIER JOINTS. INSULATION SHALL BE INSTALLED WITH FULL THICKNESS, FREE OF ANY INSULATION COMPRESSION. PROVIDE RIGID INSULATION SECTION AT ALL PIPING HANGERS.
25. PROVIDE A VALVE BYPASS AT ALL EQUIPMENT INCLUDING WATER HEATERS, STORAGE TANKS, WATER SOFTENERS, BOOSTER PUMPS, FIRE PUMPS, ETC. FOR MAINTENANCE OF EQUIPMENT.
26. PROVIDE BALL VALVES AT ALL BRANCH LINES SERVING MULTIPLE FIXTURES. PROVIDE ACCESSIBLE BALL VALVE AT EACH FIXTURE CONNECTION (IN ADDITION TO ANY EXPOSED STOPS) OR FIXTURE HEADER BRANCH CONNECTION.
27. ALL HAND-WASHING BASINS AND LAVATORIES INSTALLED SHALL BE EQUIPPED WITH HOT AND COLD WATER THROUGH A MIXING VALVE UNLESS A TEMPERED WATER SUPPLY IS INDICATED.
28. INSTALL VACUUM BREAKERS A MINIMUM OF 6" ABOVE THE FLOOD LEVEL RIM OF A FIXTURE SERVED WITH NO SHUT-OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.
29. THE USE OF RISER CLAMPS TO SUPPORT VERTICAL PIPE ALONG WALLS, OR COLUMNS IS PROHIBITED. PROVIDE B-LINE 22 STRUT & B-2000 PIPE CLAMPS
30. CONTRACTOR SHALL HANG ALL PIPING FROM THE STRUCTURAL MEMBERS (W-SHAPES, BAR JOISTS) WITH CLAMP-TYPE CONNECTIONS. PIPING SHALL NOT BE SUPPORTED FROM THE METAL DECK. STRUCTURAL MEMBERS SHALL NOT BE CUT OR DRILLED.
31. ALL JOINTS, ANNULAR SPACES, OR OPENINGS INTO HOLLOW OR INACCESSIBLE AREAS ARE TO BE CLOSED TO 1/32" OR LESS FOR FOOD SERVICE AREAS.
32. ALL ANNULAR SPACES ARE TO BE CLOSED AND ESCUTCHEON PLATES AT HAND WASHING AREAS MUST BE SECURED.
33. INSTALL VACUUM BREAKERS A MINIMUM OF 6" ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED WITH NO SHUT-OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.
34. ALL JOINTS, ANNULAR SPACES, OR OPENINGS INTO HOLLOW OR INACCESSIBLE AREAS ARE TO BE CLOSED TO 1/32" OR LESS FOR FOOD SERVICE AREAS.

PLUMBING FIXTURE SCHEDULE									
FIXTURE TAG		DRAIN	VENT	CW	HW	FIXTURE DESCRIPTION		FIXTURE SPECIFICATION	VALVE/FAUCET SPECIFICATION
FS - 1		3	1.5			JAY R. SMITH		PVC FLOOR SINK WITH 1/2 PVC GRATE - MAX 200 DEG DISCHARGE ACCEPTANCE	
PVC ECONOMY FLOOR SINK						305-12			
FS-2		3	1.5			JAY R. SMITH		CAST IRON FLANGED RECEPTOR WITH SEEPAGE HOLES; ACID RESISTANT COATED INTERIOR;12-1/2" SQUARE NICKEL BRONZE RIM AND SECURED GRATE; SEDIMENT BUCKET; 1/2" COVER AND GRATE; P080 TRAP PRIMER OPTION. CAST IRON GRATES NOT PERMITTED. CAST IRON CAST IRON CLEANOUT; NICKEL BRONZE 6" ROUND ADJUSTABLE SCORIATED VANDAL PROOF TOP; GASKET SEAL ABS THREADED PLUG WITH SLOT TO RECEIVE 1/2" BAR STOCK. ARFCO- ACID RESITANT OPTION.	
12X12 FLOOR SINK						3110			
FCO		4				JAY R. SMITH		STAINLESS STEEL PRESSURIZED COMPRESSION CHAMBER; THREADED NIPPLE CONNECTION; SIZE AS INDICATED ON DRAWINGS	
FLOOR CLEAN OUT						4020S			
WHA						JAY R. SMITH 5000 SERIES		MULTI-FIXTURE MIXING VALVE, SOLID BRASS WITH INTEGRAL CHECK. THREADED UNION CONNECTIONS. ASSE1017	
WATER HAMMER ARRESTOR					.75(X2)	POWERS			
MXV-1						LM490		COORDINATE WITH EQ. PROVIDER	
MIXING VALVE					0.75 (X2)	ATUNES			
VZN						AZN FILTER SYSTEM		SERVES WATER PIPING TO FILTERS/SOFTENERS/FOOD SERVICE EQUIPMENT	
WATER FILTER SYSTEM						60"			
DOMESTIC WATER BOOSTER PUMP		--	--	1.25					
1. ALL FIXTURES, EQUIPMENT, TRIM, FITTINGS, ETC. SHALL COMPLY WITH LOCAL, STATE AND/OR FEDERAL REGULATIONS AND CODES, INCLUDING BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES, AND THE AMERICANS WITH DISABILITIES ACT (ADA). 2. PROVIDE ALL MOUNTING HARDWARE, ESCUTCHEONS AT PIPE PENETRATIONS AND FITTINGS FOR COMPLETE INSTALLATION. FOR SINK AND TANK TOILET FIXTURES CHROME FINISH BRASS 1/4-TURN ANGLE STOPS AND CHROME SUPPLIES TO FIXTURE. WHERE CONCEALED, STEEL BRAIDED HOSES SHALL BE ACCE 3. THE SCHEDULE REFLECTS FIXTURES AND EQUIPMENT WHICH ARE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR CONTRACTORS BASE BID. WALL PLUGS OR EXPOSED TRANSFORMERS NOT PERMITTED. 4. WHERE SPECIFIED FIXTURES AND/OR EQUIPMENT ARE NOT IN COMPLIANCE WITH GOVERNING CODES AND REGULATIONS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR THE SUBSTITUTIONS OF COMPLYING FIXTURES, EQUIPMENT, FITTINGS, ETC. 5. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTORS BASE BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES.									

BACKFLOW PREVENTER MATRIX

MARK	MODEL	SERVES	TYPE	IPC LISTING
BFP-1	WATTS 009	WATER SERVICE	RPZ	ASSE 1013
BFP-2	WATTS SD-3	CARBONATOR	CO2 CHECK	ASSE 1022
BFP-3	WATTS 7	FOOD SERVICE WATER FILTER	DOUBLE CHECK	ASSE 1024
BFP-4	WATTS 7	RINSE FAUCETS (MULTI COMP SINK)	DOUBLE CHECK	ASSE 1024
BFP-5	INTEGRAL TO FIXTURE	HOSE BIB	DOUBLE CHECK	ASSE 1052
BFP-6	WATTS 7	CHEMICALS DISP.	DOUBLE CHECK	ASSE 1024
BFP-7	WATTS SD-3	CARBONATED DRINK DISPENSER	CO2 CHECK	ASSE 1022
BFP-8	WATTS 7	ICE MAKER	DOUBLE CHECK	ASSE 1024
BFP-9	WATTS 7	NON-CARB DRINK DISPENSER	DOUBLE CHECK	ASSE 1024
BFP-10	WATTS 288A	WATER HEATER VACUUM BREAKER	VACUUM BREAKER	ASSE 1001
BFP-11	INTEGRAL TO FIXTURE	MOP SINK FAUCET	VACUUM BREAKER	ASSE 1001
NOTES:				
1. PROVIDE HANGING ALUMNUM TAG FOR EACH BFP WITH THE BFP DESIGNATOR AND LISTING ETCHED IN AS INDICATED ABOVE.				
2. TENANT SHALL PROVIDE TESTING FOR EACH BFP AT THE TIME OF ISNTALLATION/RELOCATION AND ANNUALLY THEREAFTER				
3. TESTING PROCEDURES TO BE PERFORMED PER LOCAL CODE				
4. MOUNT WITH BFP ACCESSIBLE FOR TESTING/REPAIR AT A MINIMUM 1" ABOVE FLORR AND MAXIMUM 5' ABOVE FLOOR				
5. PROVIDE ACCESS PANELS FOR BFP THAT ARE INSTALLED WITHIN WALLS WHERE SURFACE MOUNTING IS NOT POSSIBLE.				
6. PROVIDE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL CODE.				
7. ALL BFP MUST BE LEAD FREE ASSEMBLY				
END				

PLANS ARE PREPARED WITH THE SITE INFORMATION PROVIDED TO THE ENGINEER. CONCEALED UTILITY LOCATIONS WILL REQUIRE FIELD VERIFICATION INCLUDING INVESTIGATIVE SAW CUT, SONOGRAPHY OR OTHER UTILITY DETECTIONS METHODS. PIPING AND FIXTURE ARRANGEMENT SHALL BE MODIFIED AS REQUIRED BASED UPON FIELD VERIFICATION. CONTACT ENGINEER FOR ANY REQUIRED PLAN CHANGES DUE TO FILED VERIFICATION. ENGINEERING PLANS DO NOT GUARANTEE THE EVENTUAL REQUIRED SCOPE FOR UTILITY DISCREPANCIES LOCATED IN FIELD.

PLUMBING FIXTURE SCHEDULE

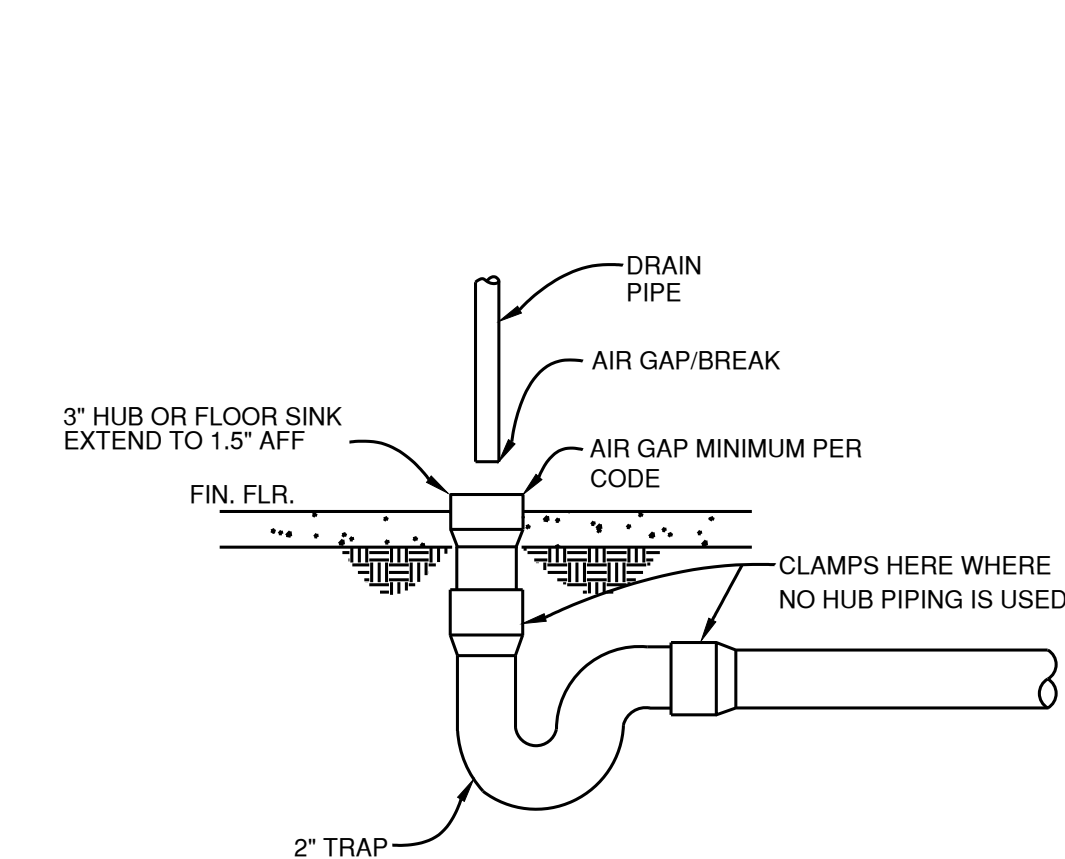
FIXTURE SPECIFICATION										VALVE/FAUCET SPECIFICATION									
PVC FLOOR SINK WITH 1/2" PVC GRATE - MAX 200 DEG DISCHARGE ACCEPTANCE																			
CAST IRON FLANGED RECEPTOR WITH SEEPAGE HOLES; ACID RESISTANT COATED INTERIOR; 12-1/2" SQUARE NICKEL BRONZE RIM AND SECURED GRATE; SEDIMENT BUCKET; 1/2" COVER AND GRATE; P080 TRAP PRIMER OPTION. CAST IRON GRATES NOT PERMITTED. CAST IRON CLEANOUT; NICKEL BRONZE 6" ROUND ADJUSTABLE SCORIATED VANDAL PROOF TOP; GASKET SEAL ABS THREADED PLUG WITH SLOT TO RECEIVE 1/2" BAR STOCK. ARFCO- ACID RESITANT OPTION.																			
STAINLESS STEEL PRESSURIZED COMPRESSION CHAMBER; THREADED NIPPLE CONNECTION; SIZE AS INDICATED ON DRAWINGS																			
MULTI-FIXTURE MIXING VALVE, SOLID BRASS WITH INTEGRAL CHECK. THREADED UNION CONNECTIONS. ASSE1017																			
COORDINATE WITH EQ. PROVIDER																			
SERVES WATER PIPING TO FILTERS/SOFTENERS/FOOD SERVICE EQUIPMENT																			

1. ALL FIXTURES, EQUIPMENT, TRIM, FITTINGS, ETC. SHALL COMPLY WITH LOCAL, STATE AND/OR FEDERAL REGULATIONS AND CODES, INCLUDING BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES, AND THE AMERICANS WITH DISABILITIES ACT (ADA).
2. PROVIDE ALL MOUNTING HARDWARE, ESCUTCHEONS AT PIPE PENETRATIONS AND FITTINGS FOR COMPLETE INSTALLATION. FOR SINK AND TANK TOILET FIXTURES CHROME FINISH BRASS 1/4-TURN ANGLE STOPS AND CHROME SUPPLIES TO FIXTURE. WHERE CONCEALED, STEEL BRAIDED HOSES SHALL BE ACCE
3. THE SCHEDULE REFLECTS FIXTURES AND EQUIPMENT WHICH ARE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR CONTRACTORS BASE BID. WALL PLUGS OR EXPOSED TRANSFORMERS NOT PERMITTED.
4. WHERE SPECIFIED FIXTURES AND/OR EQUIPMENT ARE NOT IN COMPLIANCE WITH GOVERNING CODES AND REGULATIONS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR THE SUBSTITUTIONS OF COMPLYING FIXTURES, EQUIPMENT, FITTINGS, ETC.
5. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTORS BASE BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES.

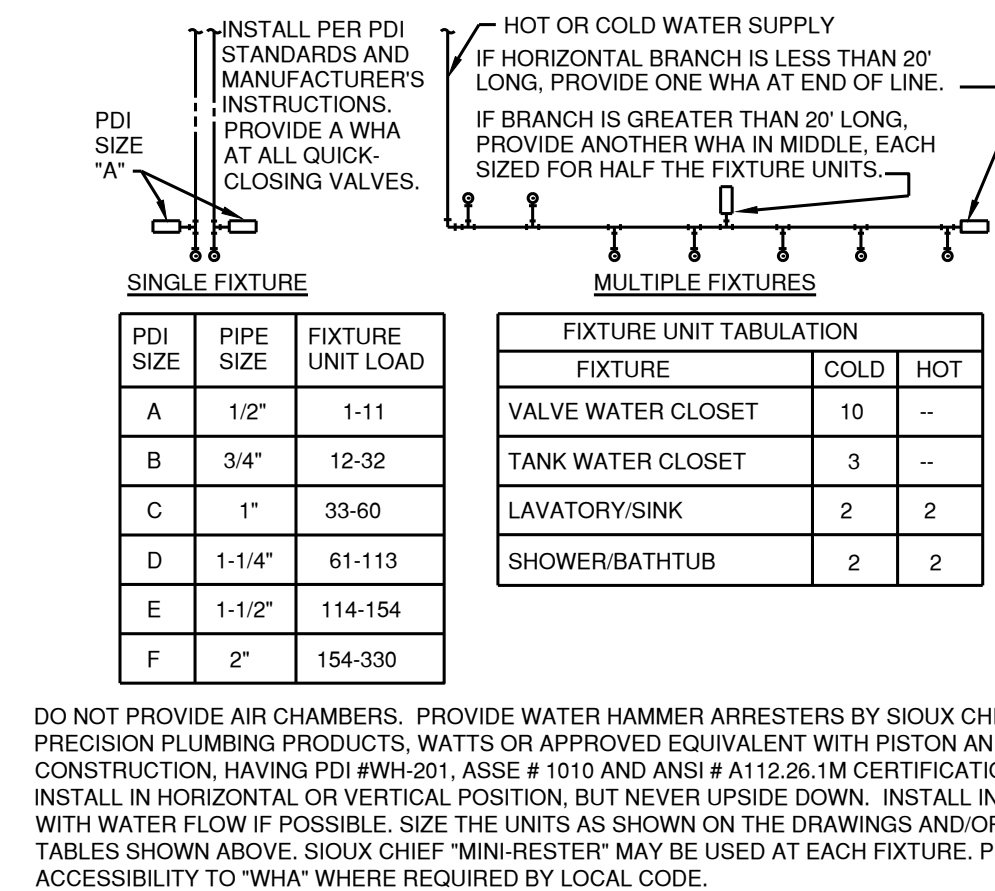
WATER HEATER SCHEDULE

MARK		TYPE	LAYOUT	STORAGE	GAS INPUT	OUTPUT	ELECTRICAL	GPH RECOVERY	TEMP	ELEC	EXPANSION TANK
WH-1		ELECTRIC STORAGE	AO SMITH DEL-50	50	MBH	MBH	CAPACITY (KW)	@80 DEG RISE	SETTING	VOLT/PHASE	ACCPETANCE (GAL)
							9.0	46.00	140	208/1	5

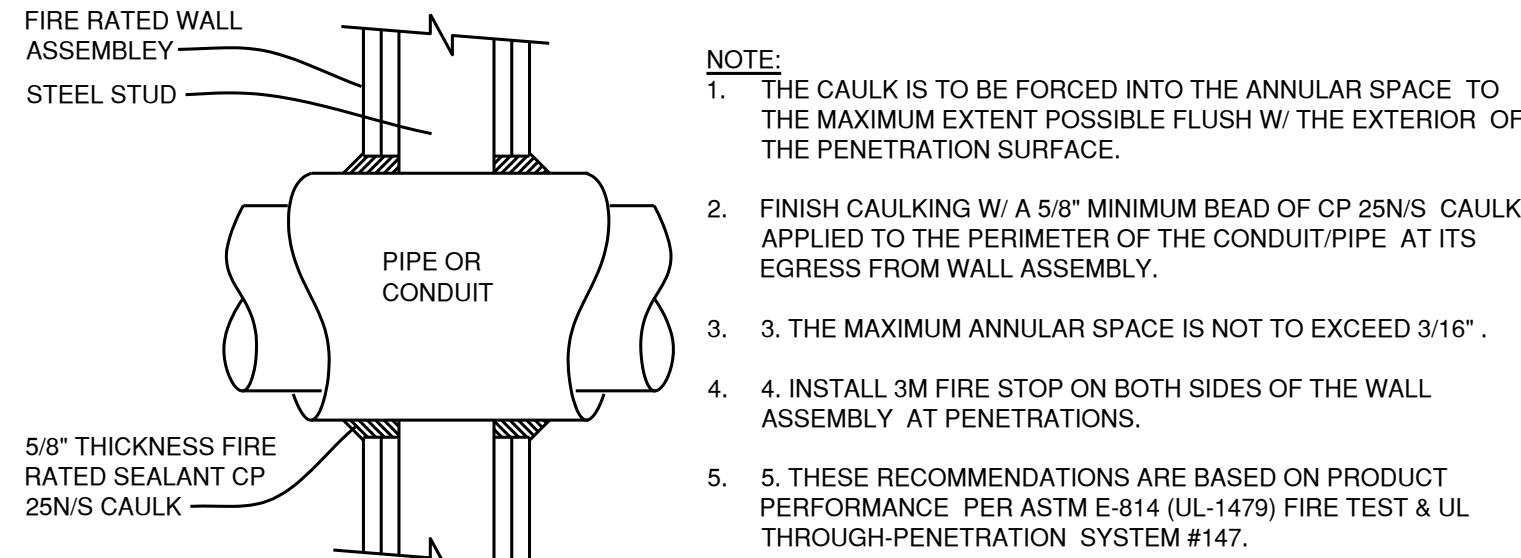
1. PROVIDE ARMSTRONG LST EXP TANK AND T&P SET AT 150 PSI DISCHARGE PER PLANS. DO NOT ROUTE INTO DRAIN PAN.
2. PROVIDE CONDENSATE NUETRALIZER AND CONDENSATE TRAP FOR WATER HEATER. ROUTE CONDENSATE TO FLOOR SINK. SEAL PENETRATION AT PAN WITH CAULKING.
3. PROVIDE INDIVIDUAL FIXTURE MIXING VALVES SET TO 110 DEGREES FOR HAND WASHING FIXTURES.



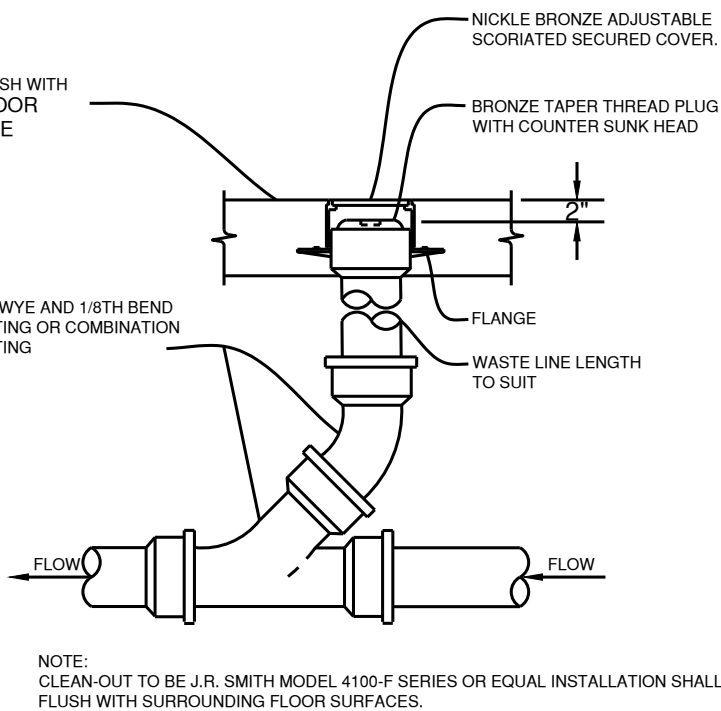
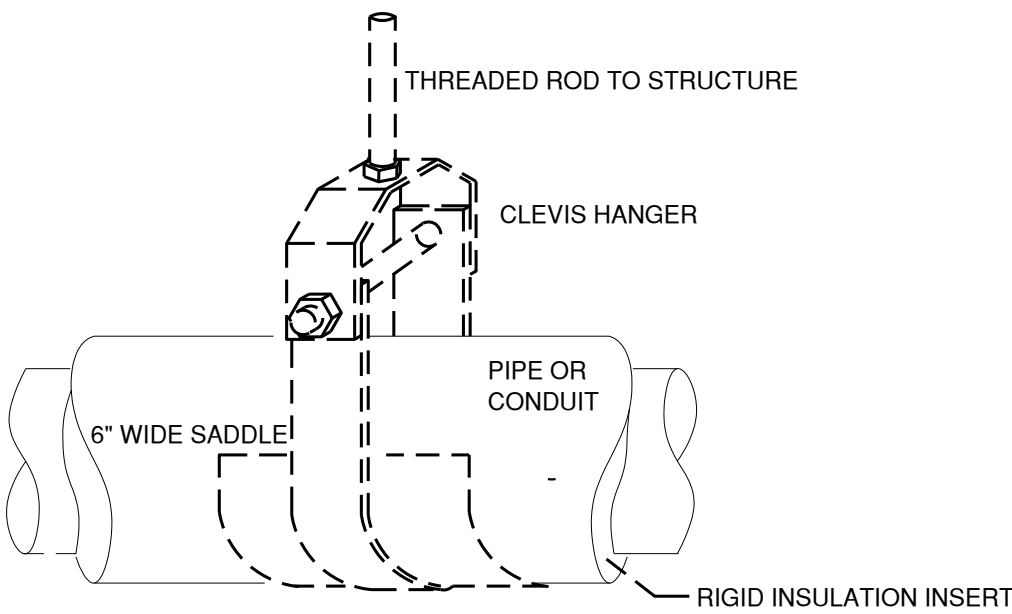
HUB /FLOOR SINK DRAIN DETAIL



WATER HAMMER ARRESTOR DETAIL



PIPE PENETRATION DETAIL



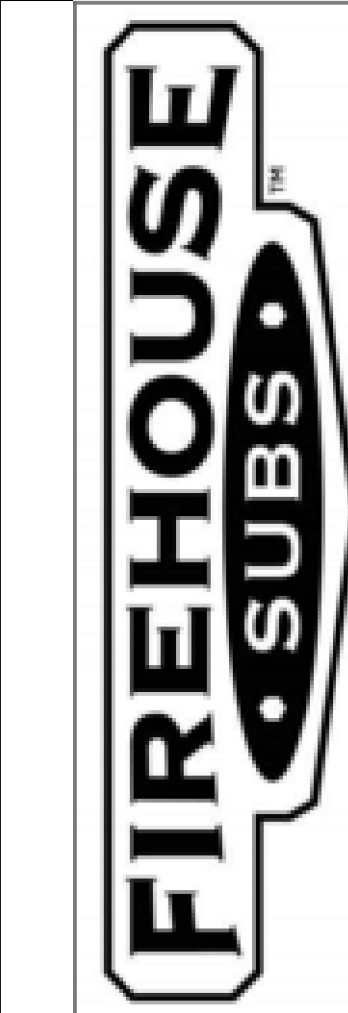
FLOOR CLEANOUT DETAIL

SUSPENDED ELECTRIC WATER HEATER DETAIL

PIPE HANGER DETAIL

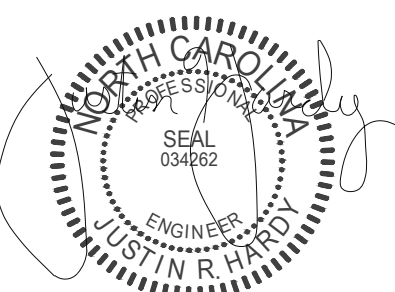


PLAN DATES
REV. SUBMISSION
10/01/2025
PROGRESS SUBMISSION
10/10/2025
BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:



SCALE:

PROJECT NO.
FSDN_2509

SHEET TITLE:

PLUMBING DETAILS

SHEET NUMBER:

P0.1

OF

- GENERAL SCHEDULE NOTES
1. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT ELEVATIONS OF ALL PLUMBING FIXTURES PRIOR TO INSTALLATION
 2. PROVIDE ALL FIXTURES WITH CHROME PLATED CAST BRASS, ADJUSTABLE "P" TRAPS WITH CLEANOUT PLUGS. TUBING OUTLETS AND WALL FLANGES UNLESS FIXTURE IS FURNISHED WITH AN INTEGRAL TRAP OR IS PROVIDED ONE AS A STANDARD ACCESSORY
 3. PROVIDE ALL FIXTURES WITH CHROME PLATED SUPPLIES WITH ANGLE OR STRAIGHT PATTERN LOOSE KEY STOPS UNLESS FIXTURE IS FURNISHED WITH INTEGRAL STOPS OR STOPS ARE PROVIDED AS STANDARD ACCESSORIES
 4. ALL FLUSH VALVES SHALL HAVE A.D.A COMPLIANT HANDLES ALL EXPOSED PIPING SHALL BE POLISHED CHROME
 5. COORDINATE ALL CASEWORK MOUNTED FIXTURES WITH BASE CABINET DIMENSIONS PRIOR TO ORDERING FIXTURES. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF A CONFLICT EXISTS
 6. ACCESSIBLE WATER CLOSETS SHALL BE OPERABLE FROM THE WIDE SIDE OF THE STALL

SCHEDULE REMARKS: (NOT ALL REMARKS MAY BE APPLICABLE TO THIS PROJECT)

FIXTURE DESIGNATED TO BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A)

REFRIGERATION SYSTEM CHARGED WITH R-134A REFRIGERANT

FAUCET COMPLETE WITH RIGID GOOSENECK SPOUT, E3-VP AERATOR AND 317 WRIST BLADE HANDLES. INSULATE TRAP AND WATER SUPPLIES

MOUNTED 3'-6" A.F.F. PROVIDE SHORT SPOUT W/VACUUM BREAKER AND RPZA ASSEMBLY

FAUCET TO HAVE ROUGH CHROME FINISH AND SHALL BE MOUNTED 3'-6" A.F.F. PROVIDE SHORT SPOUT W/VACUUM BREAKER AND RPZA ASSEMBLY

FAUCET LEDGE SHALL BE PUNCHED FOR SINGLE HOLE FAUCET SPECIFIED

PROVIDE CHROME PLATED TAILPIECE EXTENSION AND TURN DOWN TO ALLOW FOR KNEE-SPACE CLEARANCE.

WC-1:TOILET SHALL BE 1.28 GALLONS PER FLUSH 0.5 GALLONS PER FLUSH

WC-1: COORDINATE FLUSH VALVE ROUGH-IN ELEVATION WITH GRAB BAR MOUNTING HEIGHT PRIOR TO INSTALLATION

L-1: PROVIDE WATTS SERIES LFMMV THERMOSTATIC MIXING VALVE SET AT 105°F - ASSE 1070 LISTED

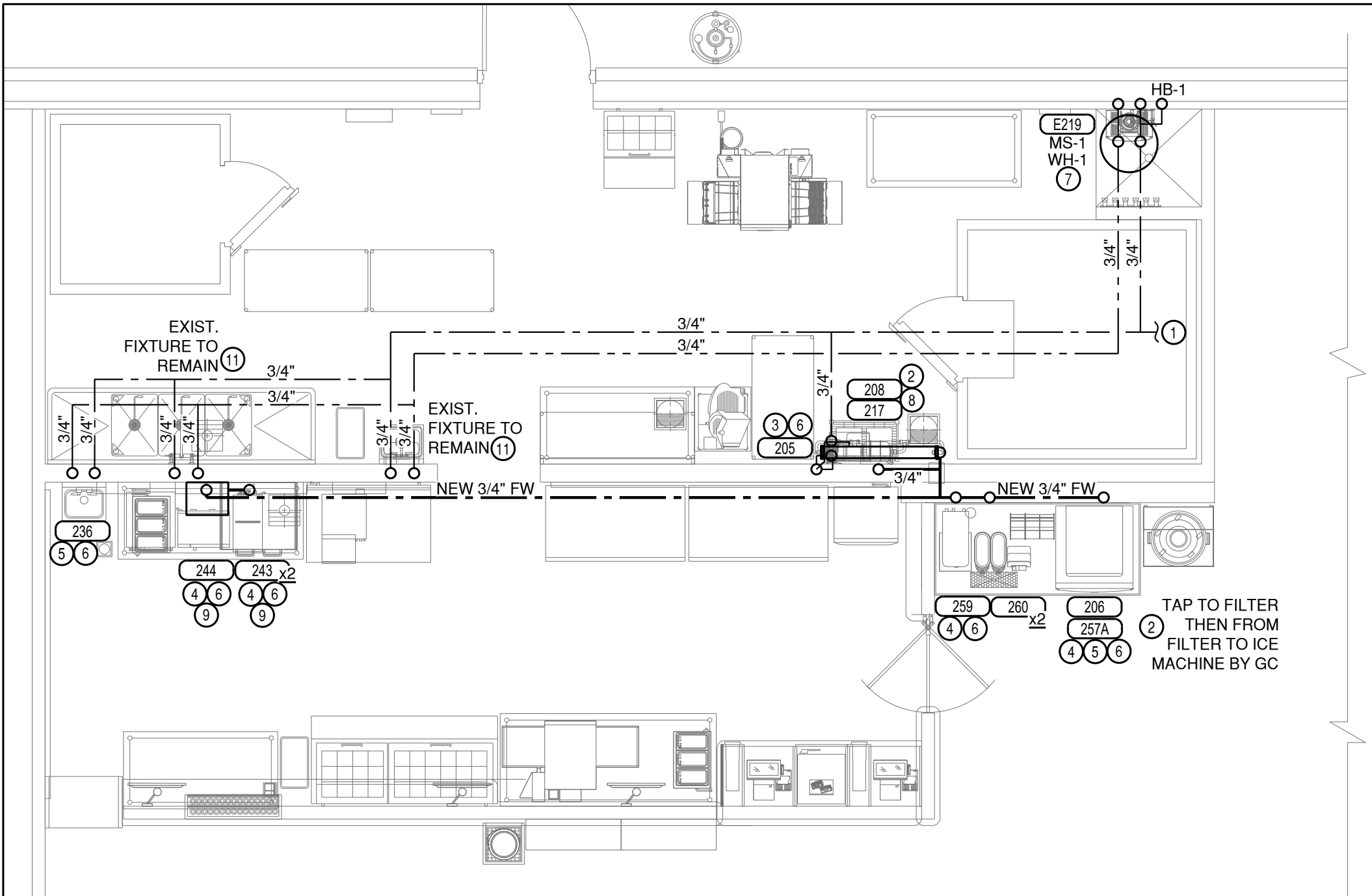
PLANS ARE PREPARED WITH THE SITE INFORMATION PROVIDED TO THE ENGINEER. CONCEALED UTILITY LOCATIONS WILL REQUIRE FIELD VERIFICATION INCLUDING INVESTIGATIVE SAW CUT, SONOGRAPHY OR OTHER UTILITY DETECTIONS METHODS. PIPING AND FIXTURE ARRANGEMENT SHALL BE MODIFIED AS REQUIRED BASED UPON FIELD VERIFICATION. CONTACT ENGINEER FOR ANY REQUIRED PLAN CHANGES DUE TO FILED VERIFICATION. ENGINEERING PLANS DO NOT GUARANTEE THE EVENTUAL REQUIRED SCOPE FOR UTILITY DISCREPANCIES LOCATED IN FIELD.

GC SHALL VERIFY ALL EQUIPMENTS MARKED AS "EXISTING" ARE IN GOOD WORKING CONDITION. GC SHALL PROVIDED AN ALTERNATIVE BID.

DEMOLISH ALL UNUSED PLUMBING ITEMS AND CAP EXISTING UTILITIES BELOW FLOOR AND ABOVE CEILING. FINISH FLOORS, WALL, AND ROOF DECKING TO MATCH SURROUNDING AREAS.

NOTE:
PLUMBER SHALL VERIFY FREE FLOW OF DRAINAGE AT EACH REUSED DRAIN LINE AND PROVIDE SERVICES TO CLEAN OUT OR CLEAR ANY BLOCKED OR OBSTRUCTED SANITARY LINES.

NOTE:
CONTRACTOR TO PROCURE ACCESS TO SPACE AND COORDINATE BELOW-FLOOR PIPING LAYOUT WITH EXISTING CONDITIONS AND BID ACCORDINGLY FOR ANY ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR COMPLETE LAYOUT. ALL EXISTING PIPING LOCATIONS- SANITARY AND DOMESTIC ARE ESTIMATED AND MUST BE VERIFIED IN FIELD FOR EXACT LOCATIONS.



PLUMBING DOMESTIC WATER FLOOR PLAN

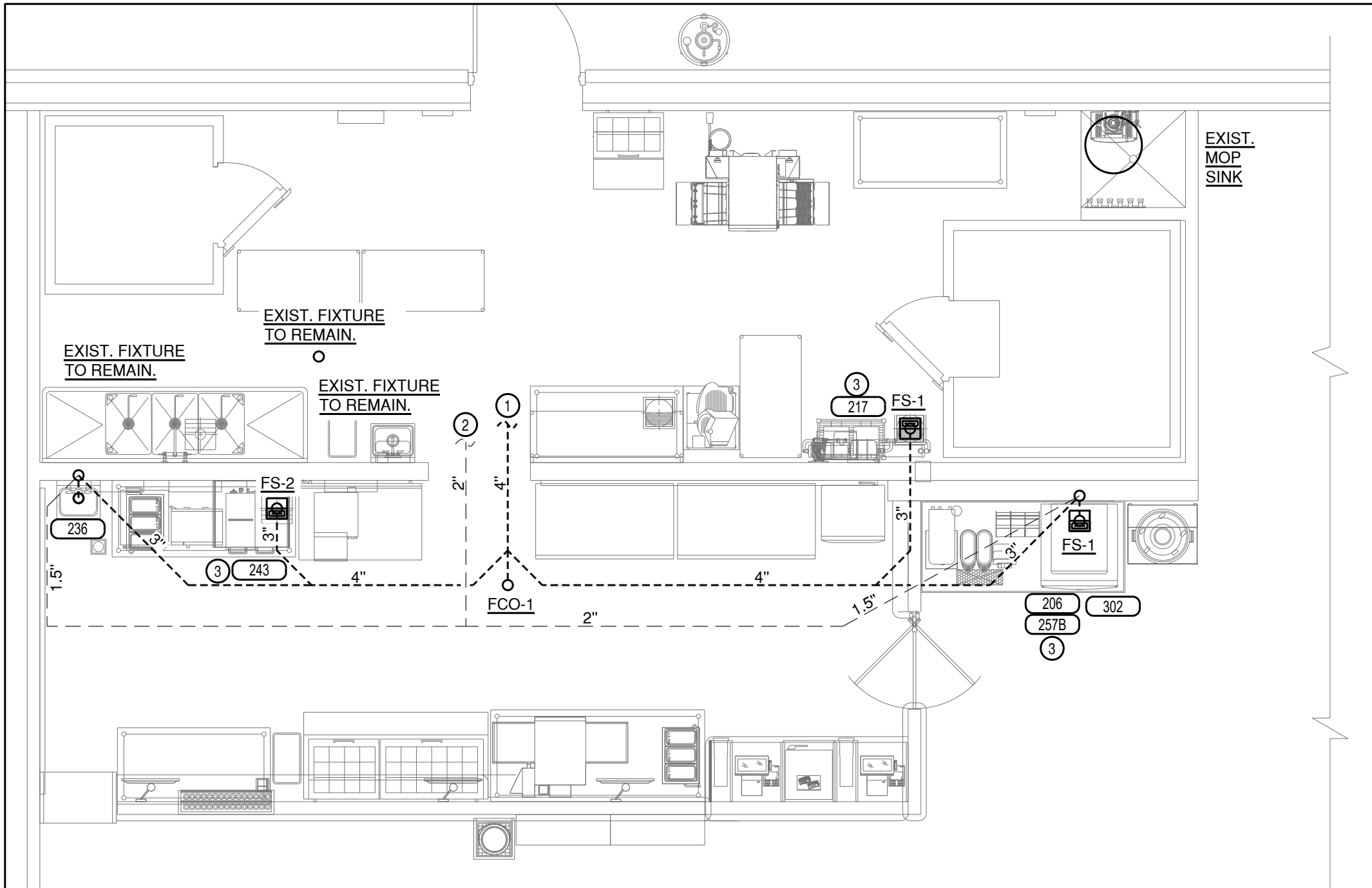
1/4" = 1'-0"

DOMESTIC KEY NOTES:

1. EXTEND AND CONNECT TO EXISTING WATER LINE. GC SHALL VERIFY EXACT LOCATION ON FIELD.
2. NEW 3/4" FW TO BEVERAGE/ICE MACHINE WITH BACKFLOW. REUSE EXISTING BACK-FLOWS WHERE AVAILABLE.
3. NEW 3/4" MAIN TO FEED STEAMER BOOSTER/FILTER WITH BACKFLOW PREVENTER.
4. 3/4" FILTERED WATER DROP TO SOFTENER MODULE THEN 1/2" FROM MODULE TO EACH STEAMER. REFER TO KITCHEN PLANS FOR CONT. PROVIDE BACK-FLOW AT CONNECTION TO SOFTENER AND TO EACH STEAMER.
5. 3/4" DOMESTIC HW/CW TO EACH FAUCET AT KITCHEN FIXTURE. PROVIDE DROP TO BELOW SINK IN WALL WITH CHROME 1/4 TURN BALL VALVE STOPS AND STEEL HOSES TO FAUCET CONNECTIONS- ALL MOUNTING HARDWARE BY PLUMBER. PROVIDE CODE APPROVED BACKFLOW OR VACUUM BREAKER FOR WATER SUPPLIES.
6. PROVIDE MIXING VALVE AT HAND WASH SINK. TEMPERATURE SETTING TO BE AT 110°F.
7. NEW ELECTRIC WATER HEATER.
8. PROVIDE CODE-APPROVED BACK-FLOW PREVENTER.
9. 1/2" TO SOFTENER THEN FROM SOFTENER TO STEAMERS. REFER TO FILTRATION DETAILS ON DRAWING P1.1.
10. WATER FEED TO BEVERAGE/FOOD SERV. EQUIPMENT. VERIFY FILTRATION REQUIREMENTS WITH BEVERAGE VENDOR. FILTERS WITH BACKFLOW BY PLUMBER.
11. RECONNECT EXISTING FIXTURE TO NEW WATER LINE.

LEGEND

- | | |
|-----|--------------------------------|
| —○— | GAS PIPING |
| —○— | CW PIPING |
| —○— | HW PIPING |
| —○— | HOT WATER RECIRCULATION PIPING |
| —○— | FILTERED WATER PIPING |
| —○— | GAS METER |



SANITARY WASTE AND VENT FLOOR PLAN

1/4" = 1'-0"

SANTIARY KEY NOTES:

1. CONNECT TO EXISTING GREASE LINE IN THIS AREA. VERIFY EXACT LOCATION IN FIELD.
2. CONNECT TO EXISTING VENT TO ROOF IN THIS AREA. VERIFY EXACT LOCATION IN FIELD.
3. EXTEND FULL SIZE DRAIN FROM EQUIPMENT/APPLIANCE TO FLOOR SINK WITH AIR GAP.R.

LEGEND

- | | |
|-----|-----------------|
| —○— | VENT PIPING |
| —○— | GREASE PIPING |
| —○— | SANITARY PIPING |

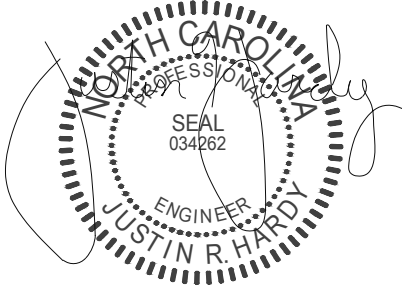
PLAN DATES

REV.	SUBMISSION
10/01/2025	PROGRESS SUBMISSION
10/10/2025	BID & PERMIT SUBMISSION



65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:



SCALE:

PROJECT NO.
FSDN_2509

SHEET TITLE:

PLUMBING PLAN

SHEET NUMBER:

P1.0

OF

Storage Tank Water Heater Sizing Calculator

Developed by the Plan Review Unit of the Environmental Health Section
NC Division of Public Health

Establishment Name:

Firehouse-Dunn, NC

Address:

65 Sadler Road Dunn, North Carolina

Equipment

Description	Number of compartments	(Inches)			Gallons Per Hour (GPH)
		Length	Width	Depth	
Manual warewashing sink	3 comp. sink	3	16	20	44
Sink #2					0
Sink #3					0
Bar sink					0
Sinks are calculated at 75% capacity					Total44

Enter type of prep sink and number of sink compartments for each sink

Type of prep sink (vegetable, meat, seafood)	Number of compartments	Gallons Per Hour (GPH)
Prep sink #1		0
Prep sink #2		0
Prep sink #3		0
Prep sinks are calculated at 5 gallons per compartment		Total0

Enter the quantity of equipment

Quantity	Gallons Per Hour (GPH)
Handwashing sinks	10
Service sink	5
Hose reel	0
Clothes washer	0

Enter a description and estimated gallon per hour (GPH) usage for other equipment

Description	Estimated gallons per hour (GPH) usage	Gallons Per Hour (GPH)
Other equipment		0
Other equipment		0
Other equipment		0
Handwashing sinks and service sinks are calculated at 5 GPH each. Hose reels are calculated at 5 GPH, clothes washers at 15 GPH, other equipment at the usage entered.		Total15

Enter make, model, and Final Rinse Usage gallons per hour (GPH) for the warewashing machine

Make	Model	Final Rinse Usage (GPH) Found in "Warewashing Machine Specs" tab below or on manufacturer's spec sheet	Gallons Per Hour (GPH)
Warewashing machine			0

Enter the quantity of pre-rinse units

Quantity	Gallons Per Hour (GPH)	
Pre-rinse	0	
Warewashing machines are calculated at 70% of the final rinse usage specified by the manufacturer. Pre-rinses are calculated at 45 GPH.		Total0

Recovery Rate Needed (GPH):

59

Recovery Rate (GPH) of Existing or Proposed Water Heater

Enter the input (BTU or kW) of the existing or proposed water heater
The Recovery Rate in Gallons Per Hour (GPH) will be calculated

Enter BTU (000's) of existing or proposed gas water heater:

,000 BTU

Enter kW of existing or proposed electric water heater:

9 kW

Calculated Recovery Rates (GPH):

	Gas Water Heater	Electric Water Heater
100°F temperature rise:	0	37
90°F temperature rise:	0	41
80°F temperature rise:	0	46
70°F temperature rise	0	53

- VZN FILTERED WATER SUPPLY LINE TO THE WATER SOFTENER IS TO BE 3/8"OD MIN. 3FT. OF BEVERAGE HOSE TO THE SOFTENER. WATER TO THE VZN MUST BE AT LEAST 80 psig AND LESS THAN 100 psig. BOOSTER PUMP IS REQUIRED BY FIREHOUSE SUBS IN ORDER TO ACHIEVE THE 45 psig AFTER ANTUNES WATER SOFTENER TO EACH STEAMER.

- THE PREFERRED LAYOUT IS TWO (2) CAST IRON FLOOR SINKS BEHIND EACH STEAMER STACK. PROVIDE 10'-0" MIN. OF CAST IRON PIPING DOWNSTREAM OF THE LAST FIXTURE THAT CAN RECEIVE HIGH TEMP WASTE WATER FROM STEAMERS.

- CAST IRON FLOOR DRAINS TO BE LOCATED AS CLOSE AS POSSIBLE TO BACK WALL.

PLUMBING SCHEMATIC FOR STEAMER INSTALLATION

BACKROOM VZN WATER FILTRATION SYSTEM:

ELECTRICAL:
1) 120V 15A NEMA 5-15R GFCI DUPLEX OUTLET AT 84" (TYP.). FINAL OUTLET HEIGHT TO BE VERIFIED IN FIELD TO COORD. WITH FIELD CONDITIONS AND EQUIPMENT PLACEMENT.

PLUMBING:
- WATER TO THE VZN MUST BE AT LEAST 80 psig AND LESS THAN 100 psig. BOOSTER PUMP IS REQUIRED BY FIREHOUSE SUBS IN ORDER TO ACHIEVE THE 45 psig AFTER ANTUNES WATER SOFTENER TO EACH STEAMER.

- PLUMBING IS REQUIRED FOR ONE TAP WATER AND ONE FILTERED WATER LINES. BOTH WATER LINES ARE TO HAVE SHUT OFF VALVES ON THE PIPE AT THE WALL:
1. SUPPLY LINE OF TAP WATER TO THE VZN
2. VZN FILTERED WATER OUTPUT LINE TO WATER SOFTENER.
- A FLOOR SINK IS REQUIRED FOR THE BACKFLUSH.

STEAMER WATER LINE INSTALLATION DIAGRAM

WATER SYSTEM FLOW DIAGRAM

WATER ENTERING VZN MUST BE @ 80.0 psi

3/4" FEMALE INLET/OUTLET
MAX. FLOW RATE: 8.0 gpm
MIN. PRESSURE: 50.0 psi
MAX. PRESSURE: 100.0 psi

120V-10A DEDICATED CIRCUIT
REQUIRED: 20" CLEARANCE ON ONE SIDE AND FLOOR DRAIN
OUTLET NEEDS TO BE AT LEAST 96" A.F.F.

3/8" PUSH-2-CONNECT INLET/OUTLET
MAX. FLOW RATE: 4.5 gpm
MIN. PRESSURE: 25.0 psi
MAX. PRESSURE: 125.0 psi

120V-10A CIRCUIT - A DRAW -
CANNOT BE SWITCHED OFF AND SHOULD BE DENOTED ON ELECTRICAL PANEL
REQUIRED: FLOOR DRAIN, OUTLET NEEDS TO BE AT 48" A.F.F.

120V-10A CIRCUIT - A DRAW -
CANNOT BE SWITCHED OFF AND SHOULD BE DENOTED ON ELECTRICAL PANEL

4 - 6 STEAMER UNITS PER VZN
1/4" QUICK DISCONNECT INLET
REFILL RATE: 1.0 gpm @ 50 psi
INITIAL FILL RATE: 3.5 g/hr
MIN. PRESSURE: 40.0-45.0 psi
MAX. PRESSURE: 70.0 psi

208V - 50A CIRCUIT
REQUIRED: CAST IRON HUB DRAIN
OUTLET NEEDS TO BE AT 48" A.F.F.

SPECS NEEDED FOR TEA, ICE & BEVERAGE
3/8" PUSH-2-CONNECT INLET/OUTLET
MAX. FLOW RATE: 4.5 gpm
MIN. PRESSURE: 25.0 psi
MAX. PRESSURE: 125.0 psi

120V-10A CIRCUIT - A DRAW -
CANNOT BE SWITCHED OFF AND SHOULD BE DENOTED ON ELECTRICAL PANEL

REQUIRED: FLOOR DRAIN, OUTLET NEEDS TO BE AT 48" A.F.F. FOR BEVERAGE DISPENSER AND 84" A.F.F. FOR ICE MAKERS MOUNTED ABOVE BEVERAGE DISPENSER

PLANS ARE PREPARED WITH THE SITE INFORMATION PROVIDED TO THE ENGINEER. CONCEALED UTILITY LOCATIONS WILL REQUIRE FIELD VERIFICATION INCLUDING INVESTIGATIVE SAW CUT, SONOGRAPHY OR OTHER UTILITY DETECTIONS METHODS. PIPING AND FIXTURE ARRANGEMENT SHALL BE MODIFIED AS REQUIRED BASED UPON FIELD VERIFICATION. CONTACT ENGINEER FOR ANY REQUIRED PLAN CHANGES DUE TO FILED VERIFICATION. ENGINEERING PLANS DO NOT GUARANTEE THE EVENTUAL REQUIRED SCOPE FOR UTILITY DISCREPANCIES LOCATED IN FIELD.

FIXTURE TAG							SUPPLY ROUGH-IN HT		NOTES	
203	UNDER COUNTER DW	5/8"	I.W.	3/4"	--	--	APX 18"	3/4" CW WITH CODE-APPROVED CHECK VALVE- DROP TO 3/4" GHT MALE TERMINATION-MFG INCLUDED HOSE. PROVIDE 5/8" RUBBER DISCHARGE HOSE TO FS WITH AIR GAP.		
205	STEAMER WATER FILTRATION (VZN)	3/4"	I.W.	3/4"(X2)	--	--	96"	3/4" WATER IN AND FILTERED WATER OUT WITH BACKFLOW ON SUPPLY BRANCH. PROVIDE HOSE DISCHARGE FROM FILTER FLUSH VALVE TO FLOOR RECEPTOR WITH AIR GAP.		
206	ICE MAKER (NO BIN)	1/2"	I.W.	0.5	0.5	--	78"	ROUTE DRAINAGE TO RECEPTRO WITH AIR GAP		
207	ICE MAKER BIN	1"	I.W.	--	--	--	--	1" I.W.		
212	3-COMP SINK	2"	I.W.	1/2"	1/2"	--	12"	1/2" HW/CW WITH CHECK VALVE BACK FLOW PREVENTERS WITH DROPS TO 1/4-TURN STOPS-SUPPLIES. 1-1/2" DRAIN TO EACH BASIN TO 2" HEADER ROUTED TO RECEPTOR WITH AIR GAP		
217	FREESTYLE RACK/PUMP (SODA)	--	--	1/2" FW	--	--	84"	EQUIPMENT PIECES PROVIDED BY BEVERAGE VENDOR. COORDINATE TERMINATIONS AN CONNECTION DETAILS WITH VENDOR. CO2 BACKFLOW PREVENTER		
217A	SODA BAG IN BOX FILTER	--	--	1/2"	--	--	78"	PRVIDE WITH CODE-APPROVED BACKFLOW PREVENTER		
220	MOP SINK FAUCET	--	--	1/2"	1/2"	--	36"	140 DEG. F WATER SUPPLY		
220A	HOSE BIB	--	--	1/2"	1/2"	--	15"	INTEGRAL VACUUM BREAKER		
222	DOMESTIC WATER BOOSTER PUMP	--	--	1-1/4"	--	--	60"	SERVES WATRE PIPING TO FILTERS/SOFTENERS/FOOD SERVICE EQUIPMENT		
236	HAND SINK	1-1/2"	1-1/4"	1/2"	1/2"	--	12"	PROVIDE WITH SINGLE FIXTUE MIXING VALVE SET TO 110 DEG. F		
243	STEAMER	1/2"	--	1/2" (SOFTENED)	--	--	24"	1/2" WATER FEED TO WATER SOFTENER- 1/2" CONNECTION TO EACH STEAMER AFTER SOFTENER. STEMER DRAIN TO CAST IRON RECEPTOR WITH AIR GAP. PROVDE WITH CODE APPROVED BACKFLOW VALVE		
244	STEAMER WATER SOFTENER	1/2"	--	1/2" FW	--	--	40"	VZN FILTERED WATER TO SOFTENER WITH CODE APPROVED BACKFLOW PREVENTER		
257	FREE-STYLE SODA DISPENSER	--	--	1/2" FW	--	--	84"	FOR FUTURE ICE MAKER		
259	TEA BREWER	--	--	1/2" FW	--	--	36"	PROVIDE WITH CODE APPROVED BACKFLOW PREVENTER.		

1. ALL FIXTURES, EQUIPMENT, TRIM, FITTINGS, ETC. SHALL COMPLY WITH LOCAL, STATE AND/OR FEDERAL REGULATIONS AND CODES.

2. PROVIDE ALL MOUNTING HARDWARE, ESCUTOHEONS AT PIPE PENETRATIONS AND FITTINGS FOR COMPLETE INSTALLATION. CHROME FINISH BRASS 1/4-TURN ANGLE STOPS AND CHROME SUPPLIES TO FIXTURE. WHERE CONCEALED, STEEL BRAIDED HOSES SHALL BE ACCEPTABLE.

3. THE SCHEDULE REFLECTS FIXTURES AND EQUIPMENT WHICH ARE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR CONTRACTORS BASE BID.

Converge
Engineering

54 South Ave., SE
Marietta, GA 30060
404-800-7988
info@convergeengineers.com

PLAN DATES

REV.

SUBMISSION

10/01/2025
PROGRESS SUBMISSION

10/10/2025
BID & PERMIT SUBMISSION

FIREHOUSE
•SUBS•

65 SADLER ROAD
DUNN,
NORTH CAROLINA

SEAL:

STATE OF NORTH CAROLINA

PLUMBING

SEAL

00000

ENGINEER

JUSTIN R. HARRIS

SCALE:

UNO

PROJECT NO.

FSDN_2509

SHEET TITLE:

PLUMBING DETAILS

SHEET NUMBER:

P1.1

OF