

RESPONSIBILITY MATRIX							
NOTE: G.C. TO ASSUME ALL ITEMS NOT INDICATED ON RESPONSIBILITY MATRIX TO BE FURNISHED, INSTALLED, AND COORDINATED BY G.C.							
			OWNER F&I	OWNER F ONLY	G.C. F&I	G.C. ONLY	NOTES
01 GENERAL REQUIREMENTS							
1.1	BUILDING REQUIREMENTS			Y	Y		GC TO OBTAIN ALL PERMITS REQUIRED. OWNER WILL REIMBURSE FOR BLDG. PERMITS, IMPACT, TAP AND METER FEES ONLY. ALL OTHER PERMITS ARE TO BE PAID BY THE APPROPRIATE SUB. FIRE SPRINKLER AND ALARM SUBS ARE TO PAY PLAN REVIEW AND PERMIT FEES ASSOCIATED WITH THE DESIGN BUILD OF THESE COMPONENTS.
1.1A	PLAN CHECK FEES			Y			AS REQUIRED BY ARCHITECT.
1.1B	INSPECTIONS				Y		AS REQUIRED BY LOCAL BUILDING DEPT., FIRE DEPT. & HEALTH. GC TO COORDINATE & ORDER ALL INSPECTIONS. GC IS RESPONSIBLE FOR OBTAINING A C OF O BY DATE INDICATED IN CONTRACT.
1.2	TEMPORARY AND PERMANENT UTILITIES				Y		GC SHALL BE RESPONSIBLE FOR ALL TEMP & PERM UTILITIES. GC SHALL TRANSFER ALL TEMP UTILITIES INTO CLIENTS NAME TURNOVER.
1.3	CLEANUP/FINAL				Y		DAILY CLEANING W/ FINAL CLEANING OF ALL FLOORS, WALLS, EXPOSED STRUCTURE, LIGHT FIXTURES, GLASS, KITCHEN EQUIPMENT PRIOR TO TURN OVER.
1.4	PROJECT SUPERVISION				Y		FULL TIME ON SITE SUPERVISOR- THROUGH TURNOVER DATE. TWO COPIES OF "AS BUILTS" OPERATIONS MANUAL, WARRANTIES AND LIENS WAIVERS - SWORN STATEMENT OF C & O.
1.5	INSURANCE				Y		AS REQUIRED BY L.L. & OWNER- GC TO FURNISH GENERAL LIABILITY, AUTO, WORKER'S COMP. & BUILDERS RISK.
1.6	FLOORING PROTECTION				Y		PROTECTION FOR FLOOR FINISHES AFTER INSTALLATION.
02 EXISTING CONDITIONS							
2.2	SITE EXCAVATION				Y		G.C. TO INSTALL PER CIVIL PLANS
2.3	SITE PAVING				Y		G.C. TO INSTALL PER CIVIL PLANS
2.4	SITE DRAINAGE AND UTILITIES				Y		G.C. TO INSTALL PER CIVIL PLANS
2.5	EROSION CONTROL				Y		G.C. TO INSTALL PER CIVIL PLANS
2.6	LANDSCAPE AND IRRIGATION				Y		G.C. TO INSTALL PER LANDSCAPE PLANS
2.7	GAS SERVICE & MANIFOLD				Y	Y	G.C. TO COORDINATE WITH LOCAL UTILITY PROVIDER FOR NEW SERVICE
2.8	WATER SERVICE (DOM. AND FIRE)				Y	Y	G.C. TO COORDINATE WITH LOCAL UTILITY PROVIDER FOR NEW SERVICE
2.9	ELECTRICAL SERVICE & METER				Y	Y	G.C. TO COORDINATE WITH LOCAL UTILITY PROVIDER FOR NEW SERVICE
2.10	MINOR DEMOLITION (OPTIONAL)				Y		AS REQUIRED PER PLANS
03 CONCRETE WORK							
3.1	CONCRETE SLAB				Y		G.C. TO POUR NEW SLAB PER STRUCTURAL PLANS
05 METALS							
5.1	STRUCTURAL STEEL				Y		IF APPLICABLE REFER TO NEW STRUCTURAL PLANS
5.2	COLD FORMED FRAMING				Y		IF APPLICABLE REFER TO NEW STRUCTURAL PLANS
5.3	INTERIOR BULKHEADS				Y		FRAMING AT 16" OC PER PLAN DESIGNATION
5.4	STAINLESS STEEL				Y		GC TO F&I STAINLESS KITCHEN WALL, CORNER GUARDS AND CAPS. CORNER GUADS TO BE SUPPLIED BY EQUIPMENT VENDOR.
5.6	CORRUGATED METAL PANELS				Y		AS NOTE NOTED ON PLANS
06 WOOD AND PLASTICS							
6.1	WALL BLOCKING				Y		PLYWOOD AND 2X BLOCKING AS REQUIRED- SEE FLOOR PLAN, WALL ELEVATIONS & SECTIONS FOR LOCATIONS.
6.2	WOOD SHEATHING				Y		EXTERIOR OR PLYWOOD WALL SHEATHING OR OPTIONAL ORIENTED STRAND BOARD WALL SHEATHING, EXTERIOR GRADE. (ONLY APPLICABLE IF UPGRADES TO FAÇADE ARE IN SCOPE)
6.3	WOOD PLYWOOD				Y		INTERIOR PLYWOOD
6.4	FRP WALL PANELS				Y		FIBERGLASS REINFORCED PANEL
6.5	ARCHITECTURAL MILLWORK			Y		Y	REFER TO MILLWORK VENDOR PLANS
07 THERMAL AND MOISTURE							
7.1	INSULATION				Y		FOUNDATION, WALL AND ROOF INSULATION AS REQUIRED PER PLANS AND SPECIFICATIONS- EXHAUST VENT 4000 DEGREE INSULATION FURNISHED BY EXHAUST HOOD VENDOR AND INSTALLED BY GC.
7.2	SEALANTS				Y		AS REQUIRED BUT NOT LIMITED TO BUILDING EXTERIOR, KITCHEN EQUIP., CASEWORK, TRIM WORK & TILE WORK.
08 OPENINGS							
8.1	H.M. DOORS & DOOR FRAMES				Y		GC TO ORDER AND RECEIVE, INVENTORY, AND INSTALL.
8.2	WOOD DOORS				Y		GC TO ORDER AND RECEIVE, INVENTORY, AND INSTALL.
8.3	DOOR HARDWARE				Y		SEE HARDWARE SCHEDULE.
09 FINISHES							
9.1	GYPSUM BOARD				Y		GYPSUM WALL BOARD- TAPE & SAND EXPOSED SURFACES READY FOR FINISHES- SEE PLANS FOR WALL TYPES & HEIGHTS.
9.2	QUARRY FLOOR TILE				Y		MATERIAL TO BE PROVIDED BY TILE VENDOR. GC TO RECEIVE INVENTORY & INSTALL TILE AND GROUT. GC TO FURNISH AND INSTALL TRANSITIONS & SETTING MATERIAL.
9.3	CERAMIC FLOOR AND WALL TILE				Y		MATERIAL TO BE PROVIDED BY TILE VENDOR. GC TO RECEIVE INVENTORY & INSTALL TILE AND GROUT. GC TO FURNISH AND INSTALL TRANSITIONS & SETTING MATERIAL.
9.4	WALL COVERING			Y		Y	WALL COVERING FURNISHED BY OWNERS MILLWORK VENDOR - GC TO PROVIDE COUNT FOR CORNER GUARDS FROM OWNER TO MILLWORK VENDOR.
9.5	COVED TILE				Y		GC TO PROVIDE & RECEIVE, INVENTORY, AND INSTALL TO MATCH ADJACENT FLOOR TILE. GROUT AND SETTING MATERIAL.
9.6	VINYL BASE				Y		AS SHOWN ON PLANS.
9.7	PLASTIC BASE				Y		AS SHOWN ON PLANS
9.8	PAINT				Y		AS SHOWN ON PLANS
9.9	ACOUSTICAL CEILING AND GRID				Y		KITCHEN CEILING, VINYL FACES WITH ALUMINUM GRID. 1/2" GYP BOARD WITH SMOOTH VINYL CLAD.
9.10	WALL GRAPHICS / DECALS			Y		Y	FURNISHED BY OWNER. GC TO COORDINATE LOCATION WITH INTERIOR FINISHES AND INSTALLATION WITH THE DÉCOR INSTALLER(S) AND INSTALL.
9.11	WATERPROOF MEMBRANE				Y		ON ALL QUARRY TILE CORNERS- INSTALL IN KITCHEN AND OFFICE PER WALL FINISH TYPES AND FINISH PLAN.
10 SPECIALTIES							
10.1	TOILET ACCESSORIES			Y	Y		OWNER TO PROVIDE VIA EQUIPMENT VENDOR. GC TO RECEIVE, INVENTORY & INSTALL - SEE PLANS FOR LOCATION.
10.2	RESTROOM WALL SIGNAGE				Y		GC TO RECEIVE FROM VENDORS AS NOTED ON G002 - SIGNAGE TO MEET ACCESSIBILITY REQUIREMENTS AS SHOWN ON PLANS.
10.3	MIRRORS			Y			OWNER TO PROVIDE VIA EQUIPMENT VENDOR. GC TO RECEIVE, INVENTORY, & INSTALL.
10.4	SIGNAGE- EXTERIOR & INTERIOR			Y		Y	COORDINATE CONNECTIONS, ELECTRICAL AND BACKING WITH SIGN VENDOR. O- FINAL CONNECTIONS ONLY.
10.5	DIAPER CHANGING STATION						GC TO ORDER AND RECEIVE, INVENTORY, & INSTALL VERTICAL CHANGING STATION- MOUNT @ 34" AFF TO TOP OF OPEN TABLE- OWNERS VENDOR.
10.6	FIRE EXTINGUISHERS				Y		PER LOCAL FIRE MARSHALL & BUILDING CODE (3 MIN. REQUIRED- 2 ABC & 1K, PUBLIC AREAS TO HAVE RECESSED CABINETS)
10.7	KNOX BOX				Y		PER LOCAL FIRE MARSHALL
10.8	METAL LOCKERS				Y		EMPLOYEE METAL LOCKERS IN KITCHEN AREA
11 EQUIPMENT							
11.1A	COOLERS/ FREEZERS		Y			Y	O-FINAL ELECTRICAL AND PLUMBING CONNECTIONS ONLY
11.1B	EXHAUST HOOD						REFER TO MECHANICAL SECTION BELOW.
11.1C	FRYERS/GRILLES		Y			Y	O-FINAL ELECTRICAL AND GAS CONNECTIONS ONLY
11.1D	ICE MAKERS		Y			Y	O- FINAL ELECTRICAL AND PLUMBING CONNECTIONS ONLY
11.1E	Ovens		Y			Y	O- FINAL ELECTRICAL AND GAS CONNECTIONS ONLY
11.1F	MOVABLE COOLERS/ FREEZERS		Y			Y	O- FINAL CONNECTIONS ONLY
11.2	AUDIO VISUAL EQUIPMENT		Y			Y	O- FINAL CONNECTIONS ONLY O- INSTALL WALL RECEPT - SEE DETAILS
11.3	REGISTERS/PRINTERS		Y				GC TO UNLOAD, SECURE & COORDINATE INSTALLATION. POWER & INTERNET MUST BE ACTIVE FOR INSTALL.
12 FURNISHINGS							
12.1	STAINLESS WORK TABLES & SHELVES		Y				
12.2	SEATING AREA TABLES, CHAIRS, BOOTHS			Y			Y
12.3	SAFE			Y			Y
12.4	FAX MACHINE		Y				
20, 21, 22 & 23 MECHANICAL							
20.3A	WATER				Y		SEE PLUMBING SHEETS FOR LOCATION, COORDINATE W/ LOCAL UTILITY
20.3B	WASTE				Y		SEE PLUMBING SHEETS FOR LOCATION, COORDINATE W/ LOCAL UTILITY. GC TO SCOPE ALL WASTE LINES TO ENSURE NO BLOCKAGES
20.3C	VENT				Y		AS PER PLANS AND SPECIFICATIONS- SEE PLUMBING SHEETS FOR LOCATION, COORDINATE W/ LOCAL UTILITY
20.3D	CONDENSATE PIPING				Y		CONDENSATE LINES NOT REQUIRED FOR SELF CONTAINED WALK IN BOX OR ICE MACHINE ATOP SODA MACHINE
20.3E	FLOOR DRAINS & FLOOR SINKS				Y		INSTALL W/ 1/4" PITCH OF FLOOR IN OPEN AREAS- ELEVATION TO MATCH FINISHED FLOOR UNDER ALL EQUIPMENT.
20.3F	GREASE INTERCEPTOR					Y	SEE PLUMBING SHEETS FOR LOCATION, COORDINATE W/ LOCAL UTILITY
20.3G	WATER HEATER				Y		SEE PLUMBING SHEETS
20.3H	WATER SOFTENER						WHEN APPLICABLE - PLUMBING CONTRACTOR TO RECEIVE AND SET EQUIPMENT IN PLACE AND TO INSTALL WATER SUPPLY, SHUTOFF VALVES INSTALLED, HARD PIPED DRAIN LINE TO FLOOR SINK, AND TO MAKE ALL FINAL CONNECTIONS COMPLETE PRIOR TO GC SCHEDULING START-UP. STARTUP, SALT, AND CALIBRATIONS BY OWNERS VENDOR. (ONLY IF APPLICABLE)
20.4	KITCHEN EQUIPMENT		Y		Y		MAKE ROUGH IN & FINAL CONNECTIONS
20.5	STAINLESS KITCHEN FIXTURES		Y			Y	SEE CONSTRUCTION MANUAL AND CUT SHEETS.
20.6	TOILET ROOM FIXTURES				Y		SEE FIXTURE SCHEDULE FOR TYPES
20.7	GAS SUPPLY SYSTEM				Y		CONNECT TO SYSTEM PROVIDED BY LANDLORD AT MANIFOLD (OR MODIFY SYSTEM PER PLUMBING DRAWINGS). MAKE FINAL CONNECTION TO KITCHEN EQUIPMENT. COORDINATE W/ LOCAL UTILITY.
20.8A	RTU and MUA EQUIPMENT			Y		Y	EXISTING RTU, CURB & ACCESSORIES. SEE MECHANICAL SHEETS FOR NEW TYPES AND LOCATIONS. GC TO SCHEDULE & COMPLETE STARTUP BY HVAC VENDOR PRIOR TO AIR BALANCE.
20.8B	DUCT WORK				Y		SEE MECHANICAL SHEETS
20.8C	DIFFUSERS				Y		SEE MECHANICAL SHEETS

20.8.D	TEMPERATURE CONTROLS			Y		Y	SEE MECHANICAL SHEETS
20.8.E	SMOKE/ CO DETECTORS			Y		Y	SEE MECHANICAL SHEETS. SMOKE DETECTORS SUPPLIED IN RTU'S. ALL OTHER SMOKE DETECTORS REQUIRED BY THE FIRE MARSHALL ARE FURNISHED AND INSTALLED BY THE GC. CO2 DETECTORS PROVIDED BY GC.
20.8.F	AIR BALANCE		Y			Y	AIR BALANCE OWNER FURNISHED AND INSTALLED. GC TO SCHEDULE AND COORDINATE.
20.8.G	TOILET EXHAUST				Y		SEE MECHANICAL SHEETS
20.8.H	EXHAUST HOOD			Y		Y	OWNER- FURNISH HOODS ONLY; GC INSTALL HOODS & CONTROL WIRING. OWNER- FURNISH EXHAUST FANS & CURBS; GC INSTALL. GC- FURNISH & INSTALL EXHAUST DUCTS, INSULATION, POWER UNITS, & MAKE UP AIR DUCTS. 22 GA. SST WALL CLADDING AT EXHAUST HOODS FURNISHED BY HOOD VENDOR. INSTALLED BY GC. GREASE DUCT FIRE WRAP PROVIDED AND INSTALLED BY GC, UNLESS NOTED BY CONSTRUCTION MANAGER.
20.9	FLY FAN				Y		ONLY USED AS REQUIRED BY HEALTH DEPARTMENT
26 ELECTRICAL							
26.1	SERVICE					Y	SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS.
26.2	DISTRIBUTION SYSTEM				Y		AS PER ELECTRICAL PLANS AND SPECIFICATIONS, INCLUDING CT CABINET AND METER.
26.3	PANELS/TRANSFORMERS				Y		SEE ELECTRICAL SHEETS
26.4	LIGHT FIXTURES & LAMPS			Y		Y	O- RECEIVE, INVENTORY, UNPACK & INSTALL- SEE FIXTURE SCHEDULE FOR TYPES. GC RESPONSIBLE TO COORDINATE WARRANTY ISSUES WITH SUB AND VENDOR. ELECTRICIAN TO INSTALL.
26.5	STANDARD LIGHTING CONTROLS				Y		SEE ELECTRICAL SHEETS. GC RESPONSIBLE TO COORDINATE WARRANTY ISSUES WITH SUB AND VENDOR.
26.6	DIMMING CONTROLS			Y		Y	SEE ELECTRICAL SHEETS. GC RESPONSIBLE TO COORDINATE WARRANTY ISSUES WITH SUB AND VENDOR.
26.7	KITCHEN EQUIPMENT		Y		Y	Y	O-PROVIDE FINAL CONNECTION
26.8	PHONE & DATA CONDUITS						FURNISH 3/4" CONDUIT VERTICAL W/ PULL STRING - SEE ELECTRICAL PLANS FOR LOCATION.
26.9	FIRE LIFE SAFETY ALARMS				Y		FURNISH COMPLETE SYSTEM TO MEET LOCAL CODES. GC TO PROVIDE CONDUITS AND PULL STRINGS.
26.10	SIGNAGE- EXTERIOR & INTERIOR			Y			O- PROVIDE FINAL CONNECTION
26.11	BURGLAR ALARM			Y		Y	GC TO FURNISH CONDUIT & BOXES. GC TO COORDINATE INSTALLATION. BURGLAR ALARM REQUIRED TO BE COMPLETE PRIOR TO TV INSTALLATION.

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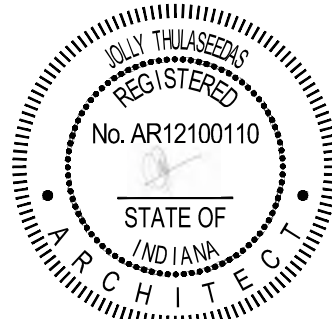
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DATE: 08/01/2025
EXP: 12/31/2025

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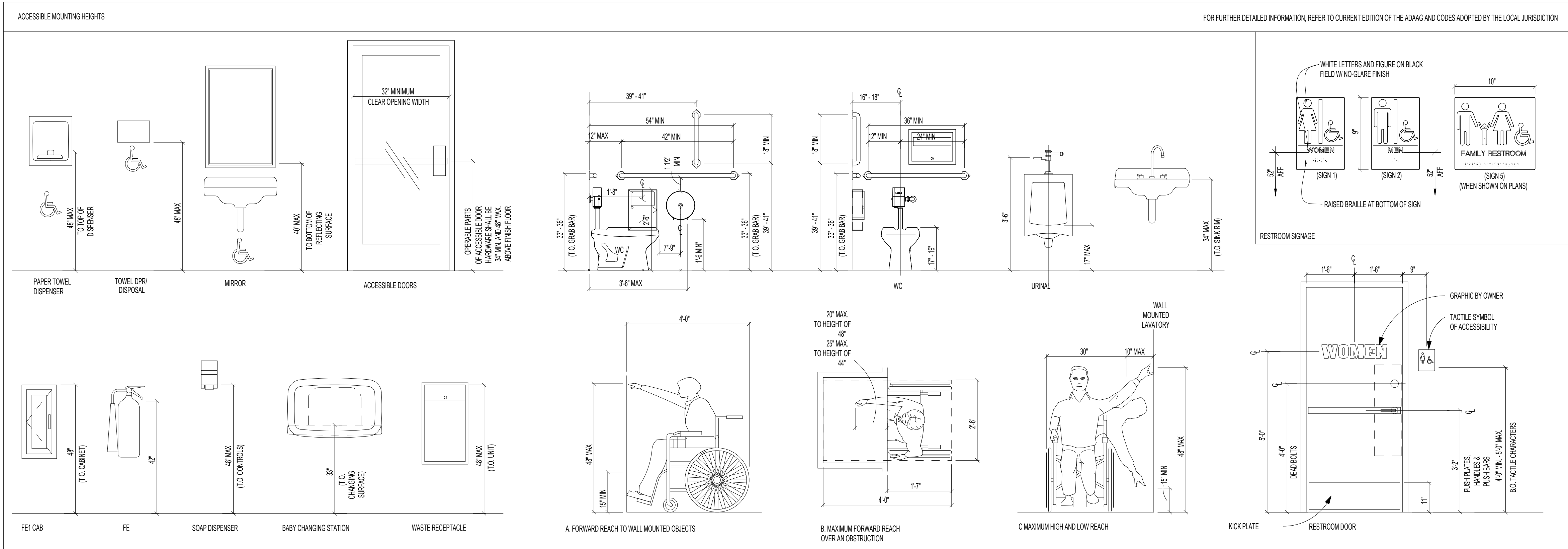
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME

RESPONSIBILITY MATRIX

SHEET NUMBER:

G-101



- GENERAL NOTES**
- REFER TO SHEETS A102 FOR ADDITIONAL FINISH INFORMATION
 - PROVIDE BLOCKING FOR TOILET FIXTURES AND ACCESSORIES, INCLUDING GRAB BARS, WATER CLOSETS, URINALS, SINK, WASTE RECEPTACLE, PAPER TOWEL DISPENSER, AND DIAPER CHANGING STATION
 - BLOCKING SHALL SUPPORT 250 LBS MIN
 - DIMENSIONS ARE FROM FINISHED FACE OF STUD WALLS. ON ELEVATIONS DIMENSIONS ARE TO FRAMING ON ENLARGED PLANS. MOUNTING HEIGHTS ARE TO UNFINISHED GROUND.
 - ALIGN VERTICAL WALL TILES WITH FLOOR TILES
 - DO NOT GROUT AROUND DOORS USE BLACK SEALANT (SLNT-3)
 - START AT BOTTOM OF TILE WITH FULL TILE
 - PROVIDE BATT INSULATION TO 1'-0" ABOVE ADJACENT CEILING IN ALL WALLS SEPARATING THE TOILET ROOMS FROM RESTAURANT AND BAR AREAS
 - PROVIDE IS CORNER TRIM AT ALL WALL TO FLOOR TRANSITIONS AND VERTICAL INSIDE CORNERS, TYP.
 - REFER TO PLUMBING DRAWINGS FOR FIXTURE INFORMATION, TYP.
 - PROVIDE SOLID BLOCKING BEHIND ALL WALL STOPS FOR STALL AND RESTROOM ENTRY DOORS
 - PROVIDE SOLID BLOCKING FOR ALL PLUMBING FIXTURES, TYP.
 - RUN DOOR FRAME TO FLOOR, DOOR STOPS 12" SHORT OF FLOOR, TYP

- KEY NOTES**
- ENSURE TOP OF SHELF, IN THE OPEN POSITION, COMPLIES WITH ADA ACCESSIBLE GUIDELINES. REFER TO ACCESSIBLE MOUNTING HEIGHTS ON G-102
 - ACCESSIBLE SIGNAGE BY TCH. SEE DETAILS ON G-102

- GENERAL NOTES**
- VERIFY QUANTITY & LOCATIONS OF FIRE EXTINGUISHERS WITH LOCAL AUTHORITIES. PROVIDE FIRE EXTINGUISHERS. REFER FLOOR PLAN
 - PROVIDE FIRE DEPARTMENT REQUIRED KEY BOX. COORDINATE LOCATION AND TYPE WITH LOCAL AUTHORITIES
 - SEE MEP DRAWINGS AND RESPONSIBILITY MATRIX FOR INFORMATION REGARDING SPRINKLER AND FIRE ALARM SYSTEM
 - INSTALL EMERGENCY LIGHTS IN DINING AREAS SUCH THAT THEY DO NOT INTERFERE WITH WALL DECOR & TV SCREENS. SEE ELEC LIGHTING PLAN FOR EXIT SIGNS & EMERGENCY LIGHTING
 - ALL EXIT DOORS AND PATIO GATES EQUIPPED WITH PANIC HARDWARE, TYP.
 - REFER TO ELEC FOR EMERGENCY LIGHTING
 - REFER TO ELEC SHEET AND REFLECTED CEILING PLAN FOR EXIT SIGN LOCATIONS
 - REFER TO COVER SHEET G-100 FOR ADDITIONAL CODE ANALYSIS INFORMATION
 - SEE SHEET DEPICTIVE FLOOR PLAN FOR WALL LEGEND AND FIRE RATED WALLS

RESTROOM PLUMBING FIXTURES

FROM IBC, TABLE 2902.1
BUILDING OCCUPANCY CALCULATION (FROM TABLE 1004.1.1):
MAXIMUM OCCUPANTS = 14
50% MALE AND 50% FEMALE = 14/2 = 7 EACH
 $7/75 = 0.03 = 1$ WC EACH MALE/FEMALE (TABLE 2902.1)
 $14/200 = 0.07 = 1$ LAV EACH MALE/FEMALE (TABLE 2902.1)

REQUIRED:	MEN	WOMEN
W.C.	(1-75)	1
Urinal*	-	-
Lavatory	(1-200)	1

* URINAL SUBSTITUTION PER 424.2 - UP TO 23 MAXIMUM

PROVIDED:	MEN	WOMEN
W.C.	1	1
Urinal*	-	-
Lavatory	1	1

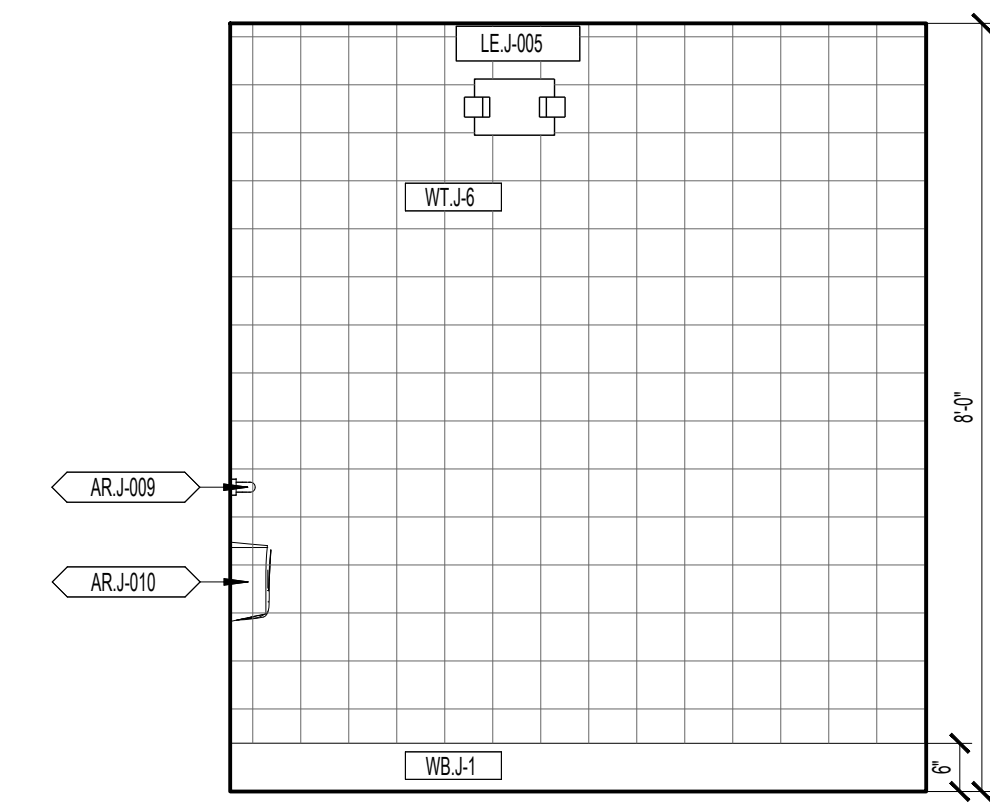
A - ACCESSORIES

CATEGORY	DESCRIPTION	MANUFACTURER	MODEL	FURNISHED BY	INSTALLED BY	REMARKS
AR-J-002	CHANNEL FRAME MIRROR	BOBRICK	B-165 1830	OWNER	GC	18" W/ CHROME TRIM - PROVIDE BLOCKING AS NEEDED
AR-J-003	LIQUID SOAP DISPENSER - VERTICAL TANK TYPE	UPDATE	INTERNATIONAL 32	OWNER	GC	BK W/ PUSH BUTTON - PROVIDE BLOCKING AS NEEDED
AR-J-008	GRAB BARS, 1-1/2" DIA. STAINLESS STEEL - 36" LONG	GAMCO	120-36	OWNER	GC	
AR-J-009	GRAB BARS, 1-1/2" DIA. STAINLESS STEEL - 42" LONG	GAMCO	120-42	OWNER	GC	
AR-J-010	TOILET PAPER DISPENSER - DBL ROLL	BOBRICK	2740	OWNER	GC	WALL MOUNT - PROVIDE BLOCKING AS NEEDED

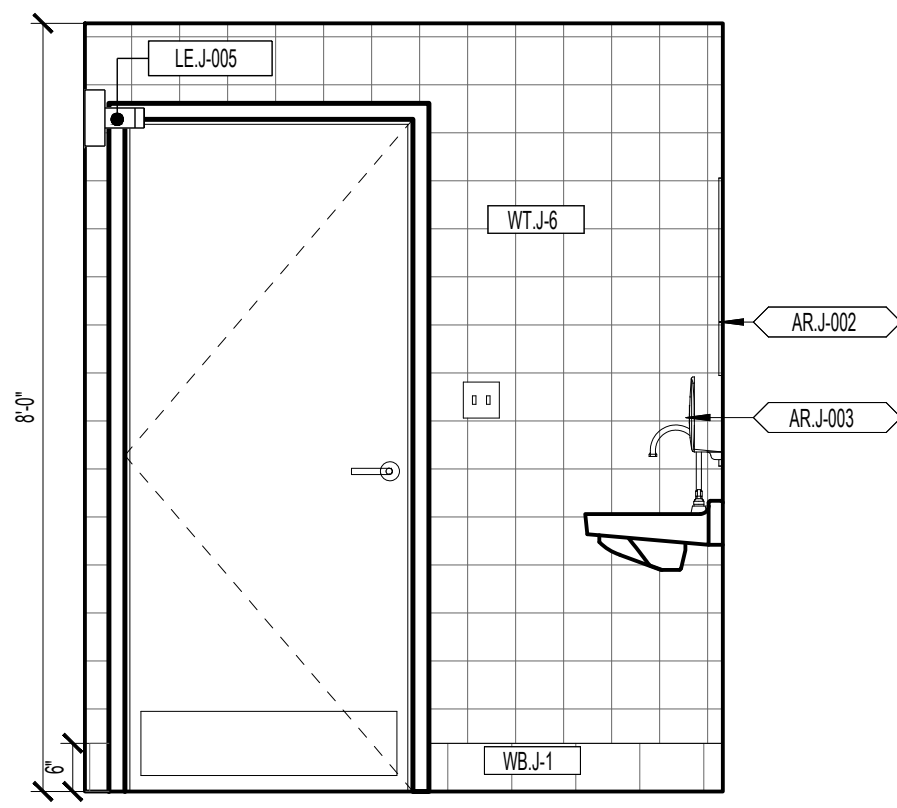
SEE FFE PLAN ON A-801 FOR ADDITIONAL ACCESSORIES AND REFER TO SHEET G-102 FOR ALL ACCESSIBLE MOUNTING HEIGHTS. ALL ITEMS UNDER ABOVE CODE SECTION TO TAKE PRECEDENCE OVER ITEMS IN SPEC BOOK (TYPICAL TOILET ACCESSORY CODES).

REMARKS

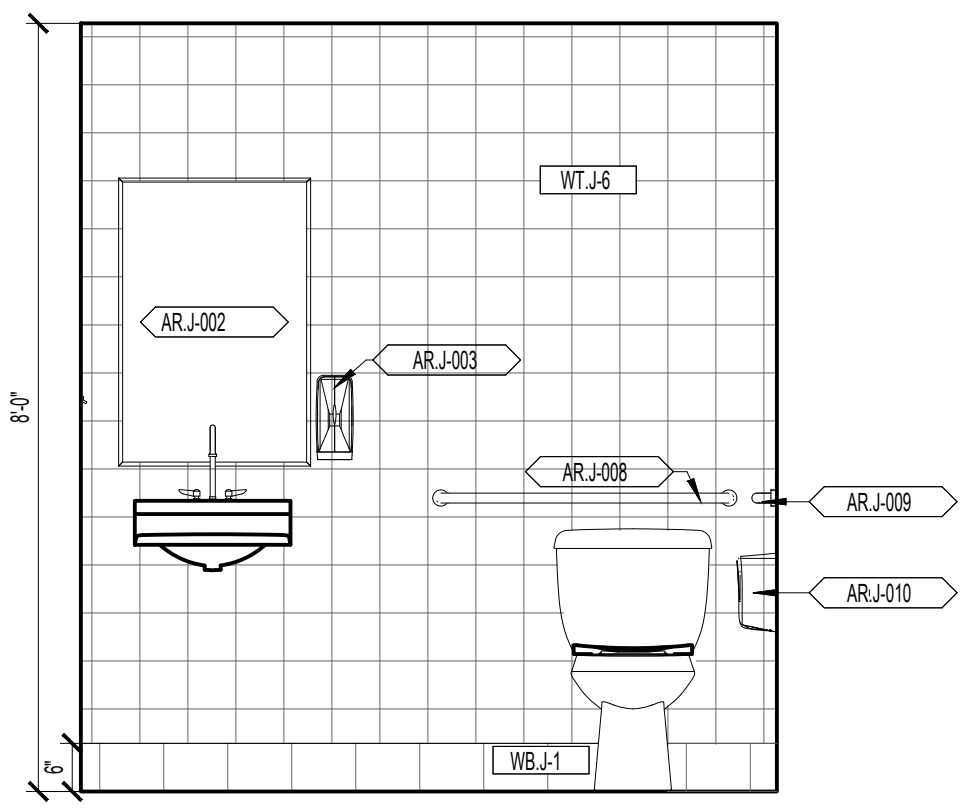
- 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR WITH 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL SURFACE. 36" LONG GRAB BAR TO BE MOUNTED AT 36" AFF AND 6" MAX FROM WALL SURFACE TO CENTER OF MOUNTING BRACKET. PROVIDE WOOD BLOCKING.
- 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR WITH 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL SURFACE. 42" LONG GRAB BAR TO BE MOUNTED AT 36" AFF AND 12" MAX FROM WALL SURFACE TO CENTER OF MOUNTING BRACKET. PROVIDE WOOD BLOCKING.
- PURCHASED THROUGH TWIN CITY HARDWARE AS PART OF HARDWARE PACKAGE
- SEAL BATHROOM ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, SOAP DISPENSERS, ETC. ON OR WITH WALLS AGAINST MOISTURE.
- WASTE RECEPTACLE AND PAPER TOWEL DISPENSERS TO BE RECESSED.



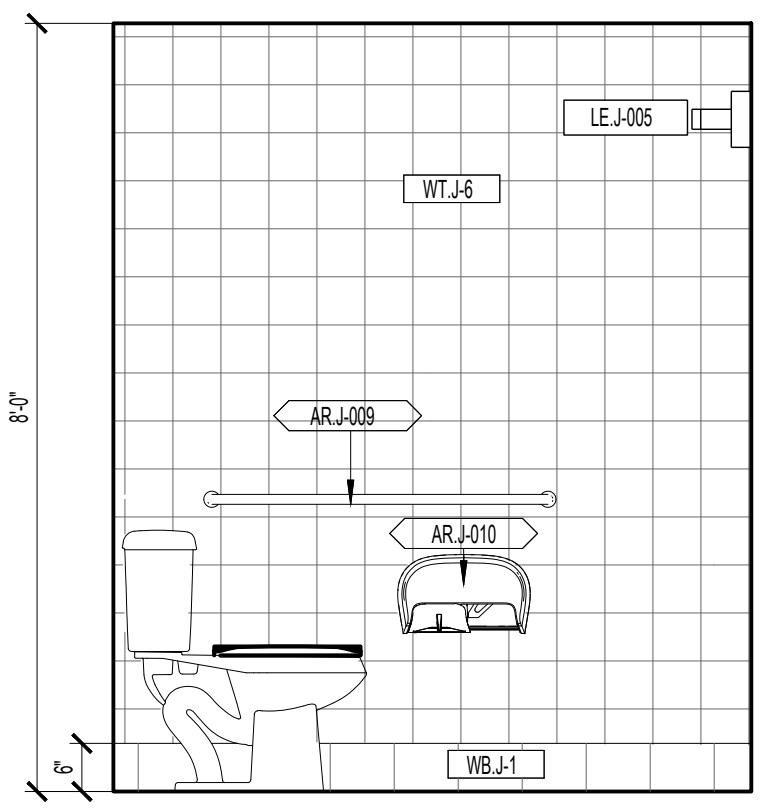
5 RESTROOM
SCALE: 1/2"=1'-0"



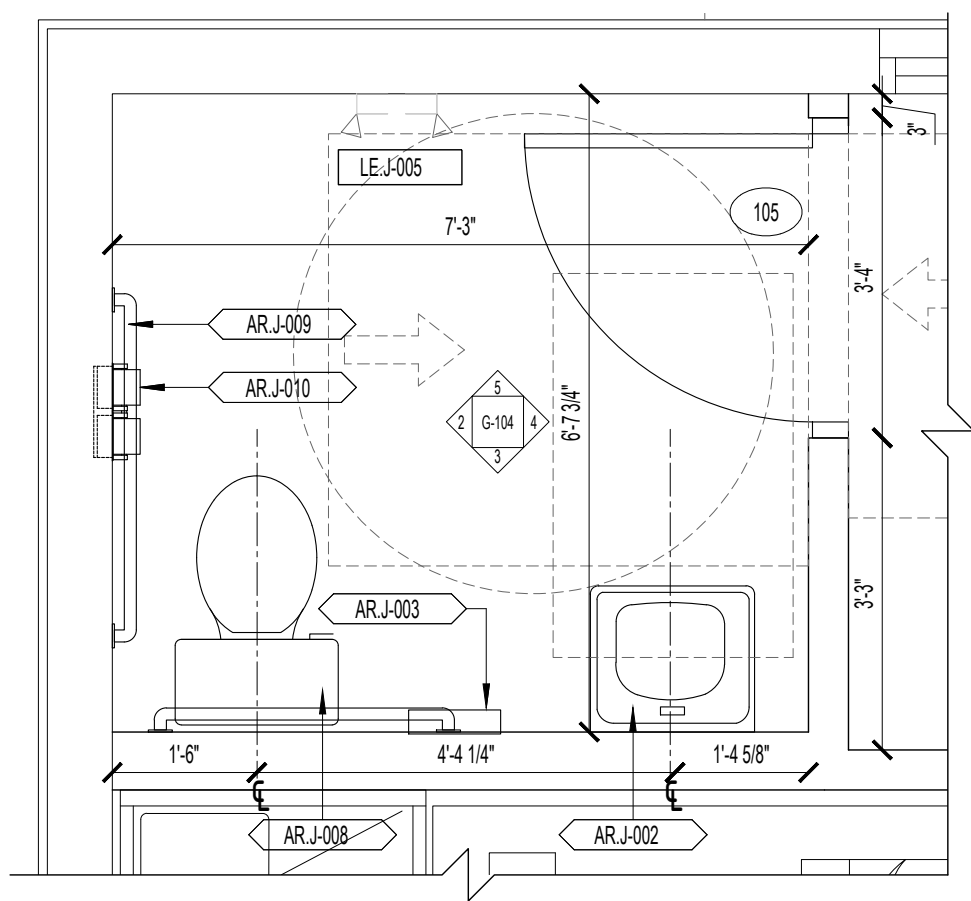
4 RESTROOM
SCALE: 1/2"=1'-0"



3 RESTROOM
SCALE: 1/2"=1'-0"



2 RESTROOM
SCALE: 1/2"=1'-0"



1 ENLARGED RESTROOM PLAN
SCALE: 3/4"=1'-0"

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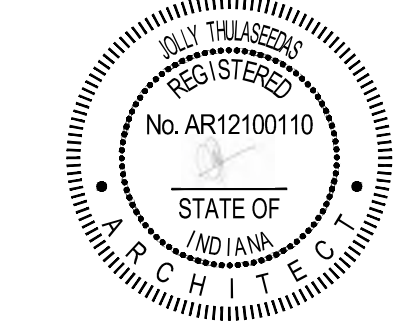
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REV	REV DESCRIPTION	DATE
-	ISSUED FOR PERMIT	07/11/2025



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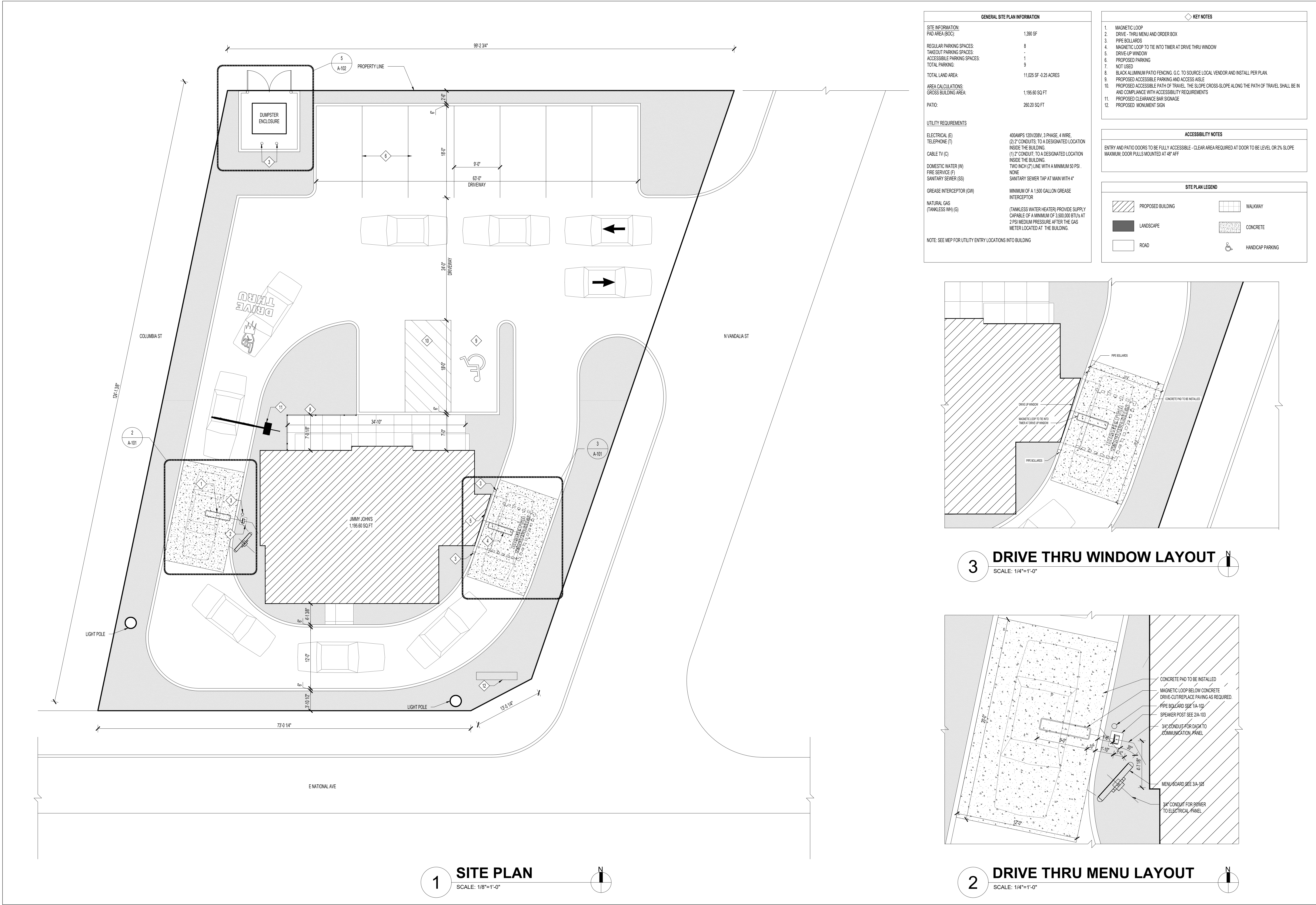
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

CODE ANALYSIS
& ENLARGED
RESTROOM

SHEET NUMBER:

G-104



GENERAL SITE PLAN INFORMATION	
SITE INFORMATION:	
PAD AREA (BOC):	1,380 SF
REGULAR PARKING SPACES:	8
TAKEOUT PARKING SPACES:	-
ACCESSIBLE PARKING SPACES:	1
TOTAL PARKING:	9
TOTAL LAND AREA:	11,025 SF - 0.25 ACRES
AREA CALCULATIONS:	
GROSS BUILDING AREA:	1,195.60 SQ FT
PATIO:	260.20 SQ FT
UTILITY REQUIREMENTS	
ELECTRICAL (E)	400AMPS 120V/208V, 3 PHASE, 4 WIRE.
TELEPHONE (T)	(2) 2" CONDUITS, TO A DESIGNATED LOCATION INSIDE THE BUILDING.
CABLE TV (C)	(1) 2" CONDUIT, TO A DESIGNATED LOCATION INSIDE THE BUILDING.
DOMESTIC WATER (W)	TWO INCH (2") LINE WITH A MINIMUM 50 PSI.
FIRE SERVICE (F)	NONE
SANITARY SEWER (SS)	SANITARY SEWER TAP AT MAIN WITH 4"
GREASE INTERCEPTOR (GW)	MINIMUM OF A 1,500 GALLON GREASE INTERCEPTOR
NATURAL GAS (TANKLESS WH) (G)	(TANKLESS WATER HEATER) PROVIDE SUPPLY CAPABLE OF A MINIMUM OF 3,500,000 BTUS AT 2 PSI MEDIUM PRESSURE AFTER THE GAS METER LOCATED AT THE BUILDING.
NOTE: SEE MEP FOR UTILITY ENTRY LOCATIONS INTO BUILDING	

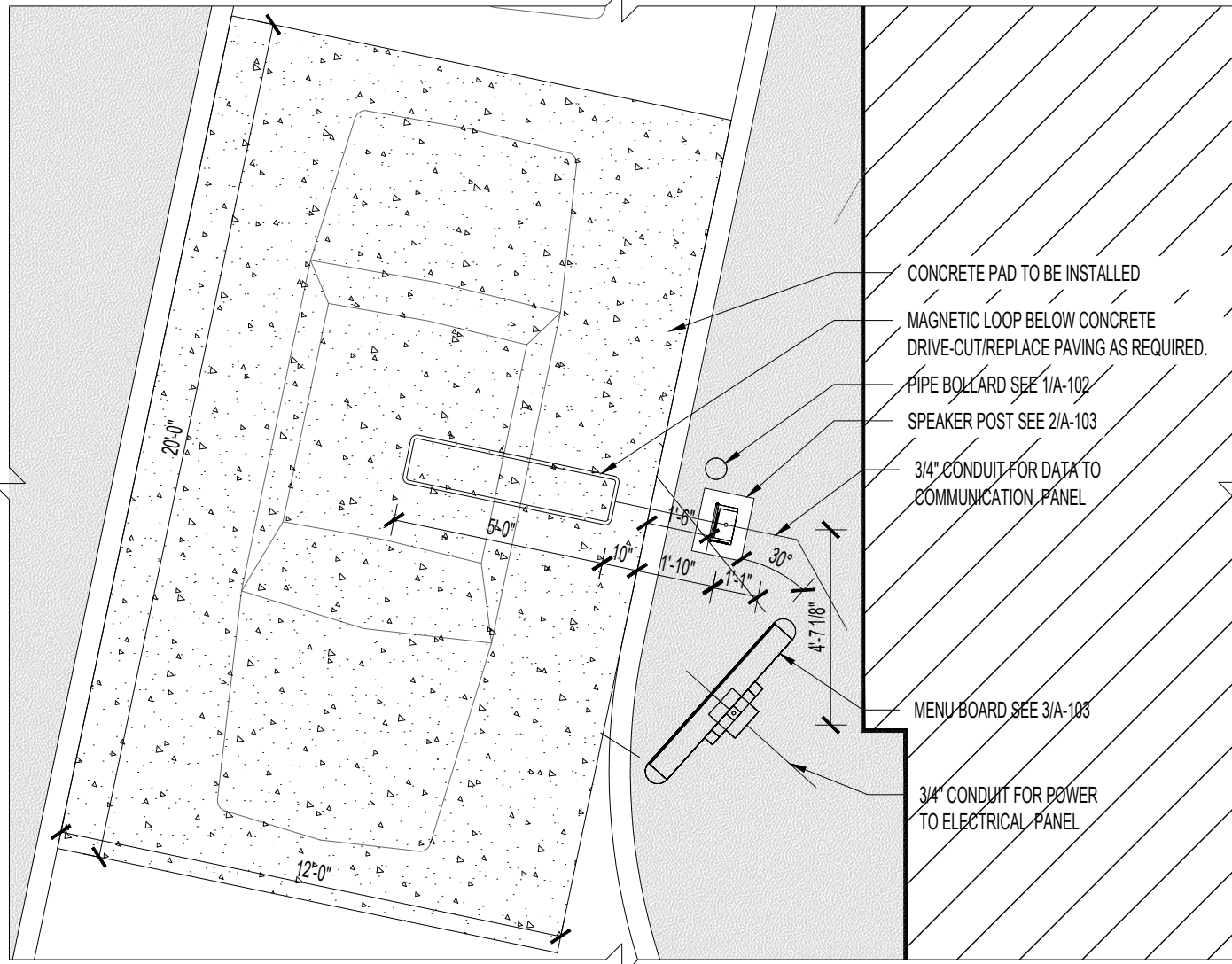
KEY NOTES
1. MAGNETIC LOOP
2. DRIVE - THRU MENU AND ORDER BOX
3. PIPE BOLLARDS
4. MAGNETIC LOOP TO TIE INTO TIMER AT DRIVE THRU WINDOW
5. DRIVE-UP WINDOW
6. PROPOSED PARKING
7. NOT USED
8. BLACK ALUMINUM PATIO FENCING, G.C. TO SOURCE LOCAL VENDOR AND INSTALL PER PLAN.
9. PROPOSED ACCESSIBLE PARKING AND ACCESS AISLE
10. PROPOSED ACCESSIBLE PATH OF TRAVEL, THE SLOPE CROSS-SLOPE ALONG THE PATH OF TRAVEL SHALL BE IN AND COMPLIANCE WITH ACCESSIBILITY REQUIREMENTS
11. PROPOSED CLEARANCE BAR SIGNAGE
12. PROPOSED MONUMENT SIGN

ACCESSIBILITY NOTES
ENTRY AND PATIO DOORS TO BE FULLY ACCESSIBLE - CLEAR AREA REQUIRED AT DOOR TO BE LEVEL OR 2% SLOPE
MAXIMUM DOOR PULLS MOUNTED AT 48" AFF

SITE PLAN LEGEND	
	PROPOSED BUILDING
	LANDSCAPE
	ROAD
	WALKWAY
	CONCRETE
	HANDICAP PARKING



3 DRIVE THRU WINDOW LAYOUT
SCALE: 1/4"=1'-0"



2 DRIVE THRU MENU LAYOUT
SCALE: 1/4"=1'-0"

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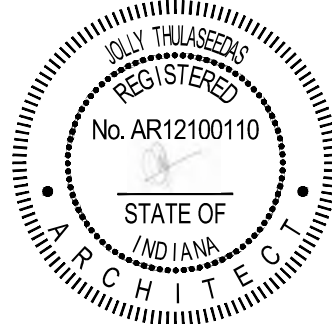
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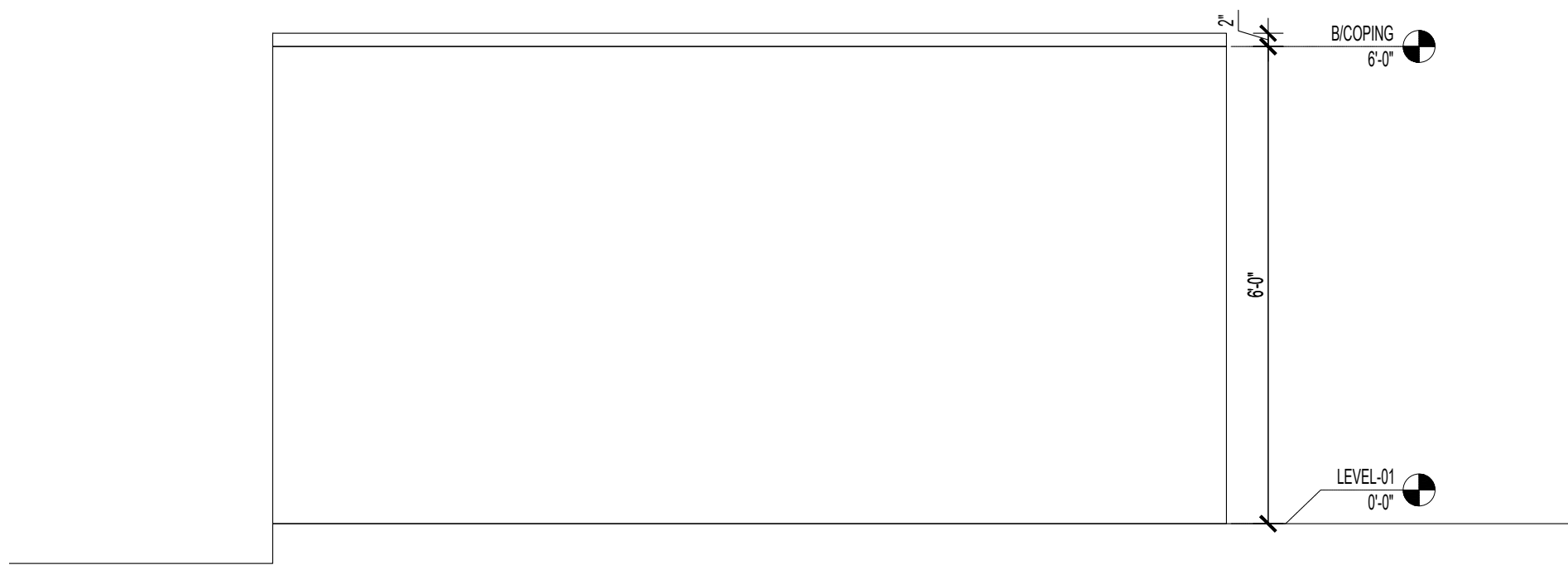
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

SITE PLAN

SHEET NUMBER:

A-101



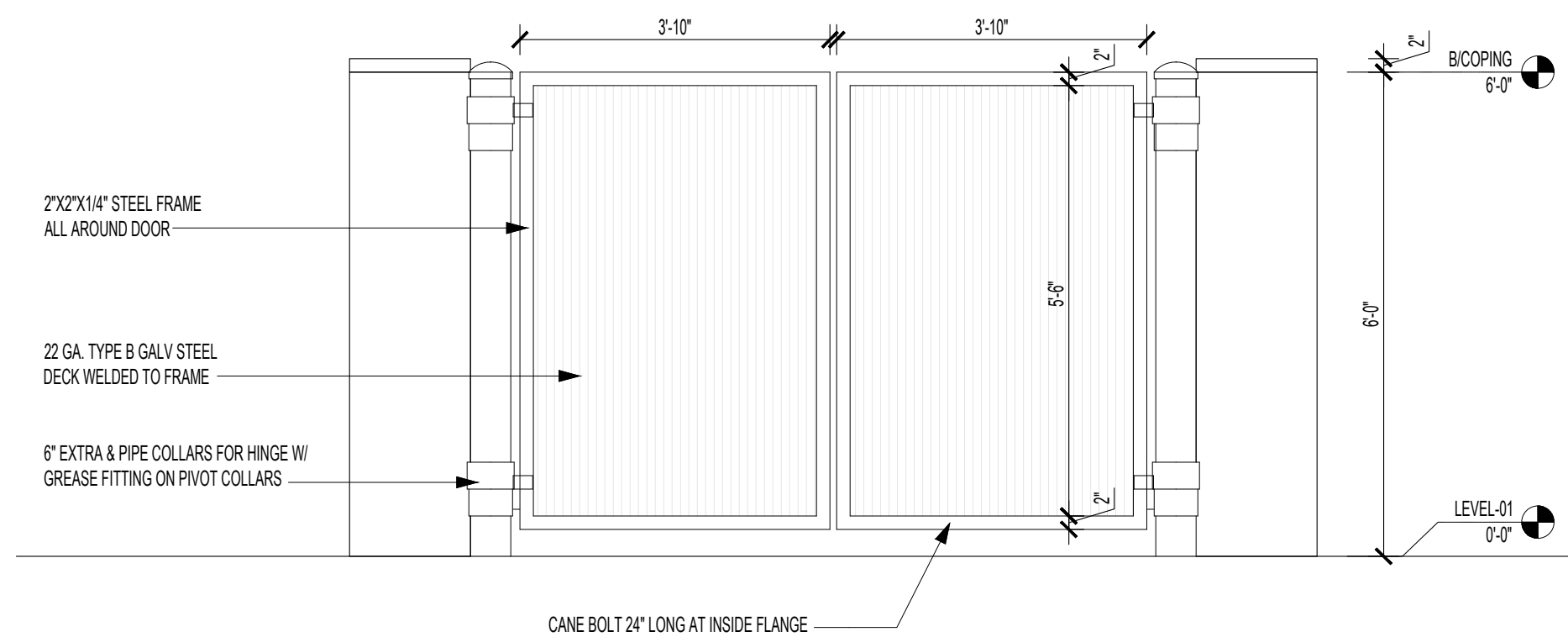
9 DUMPSTER ELEVATION
SCALE: 1/2"=1'-0"



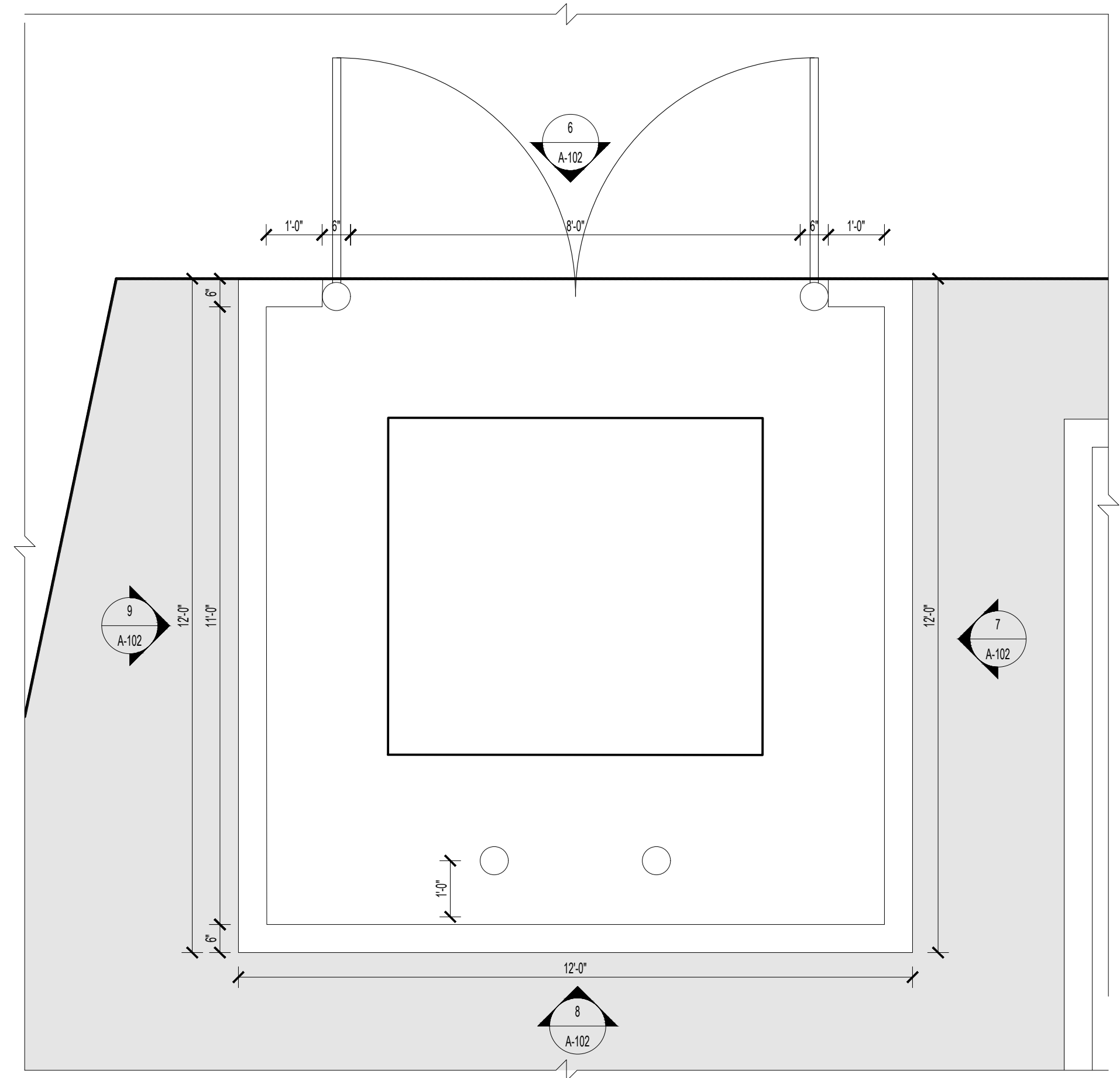
8 DUMPSTER ELEVATION
SCALE: 1/2"=1'-0"



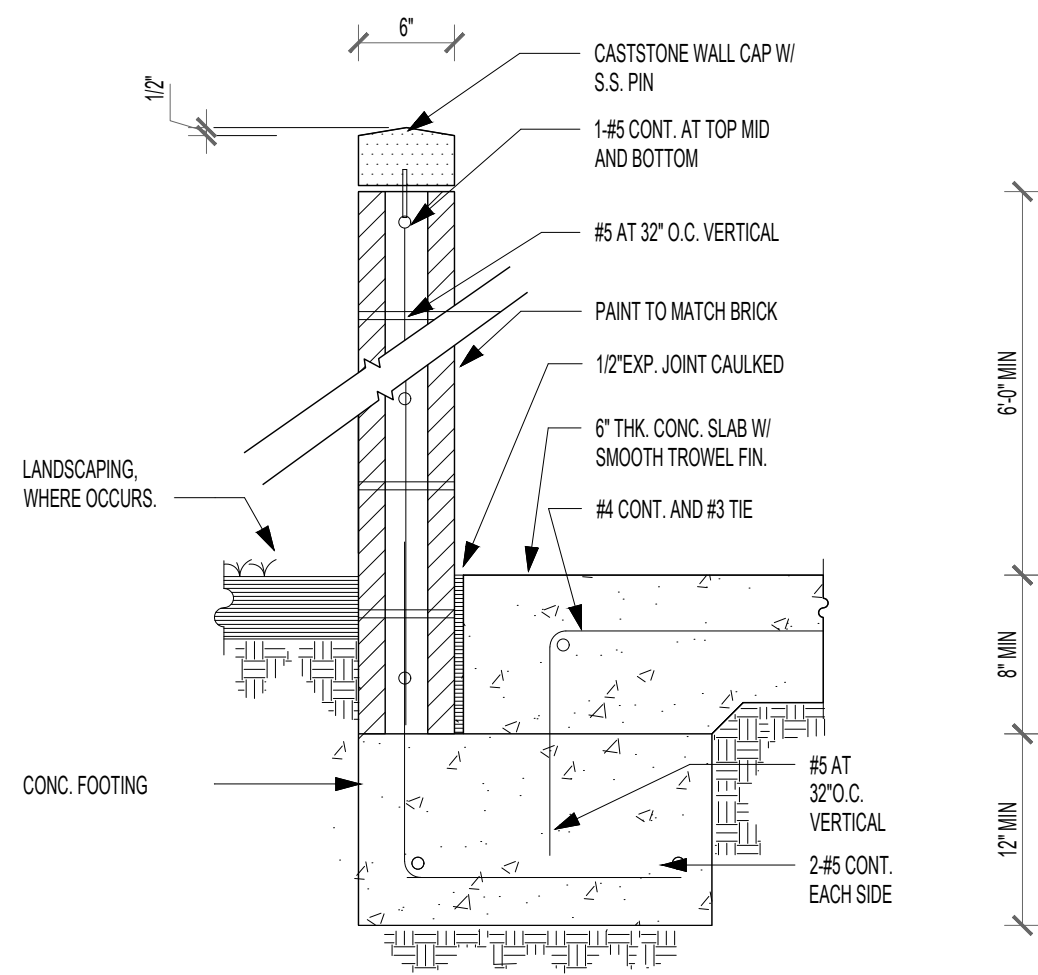
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SCALE: 1/2"=1'-0"



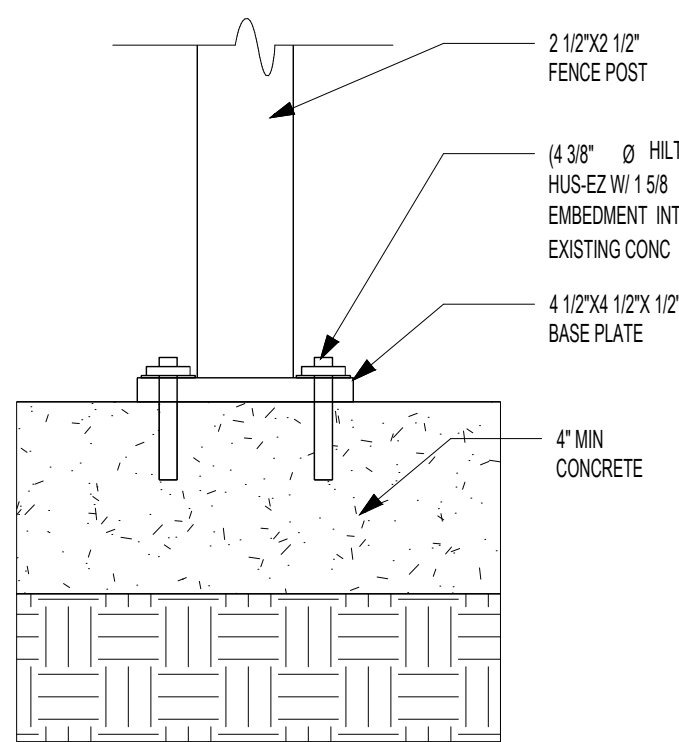
6 DUMPSTER ELEVATION
SCALE: 1/2"=1'-0"



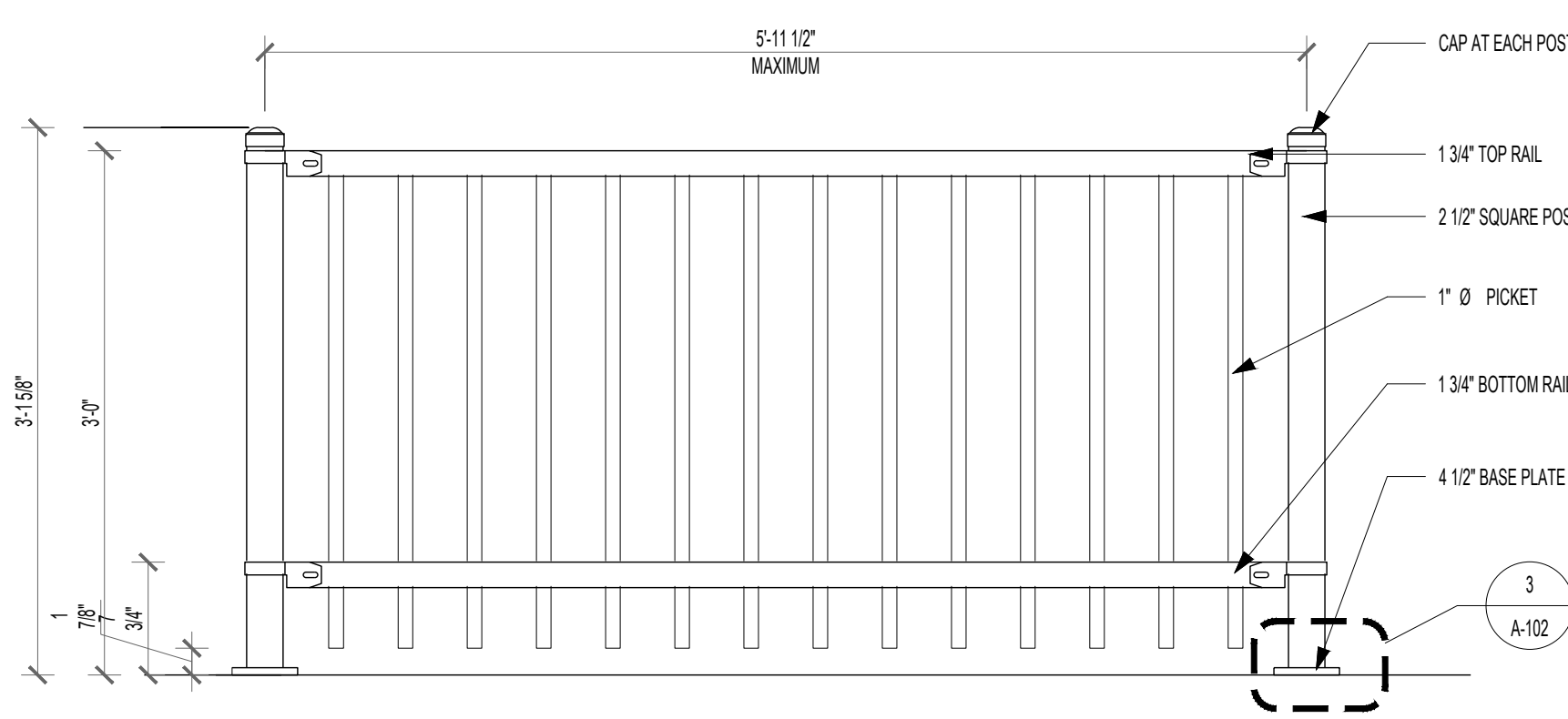
5 ENLARGED DUMPSTER PLAN
SCALE: 1/2"=1'-0"



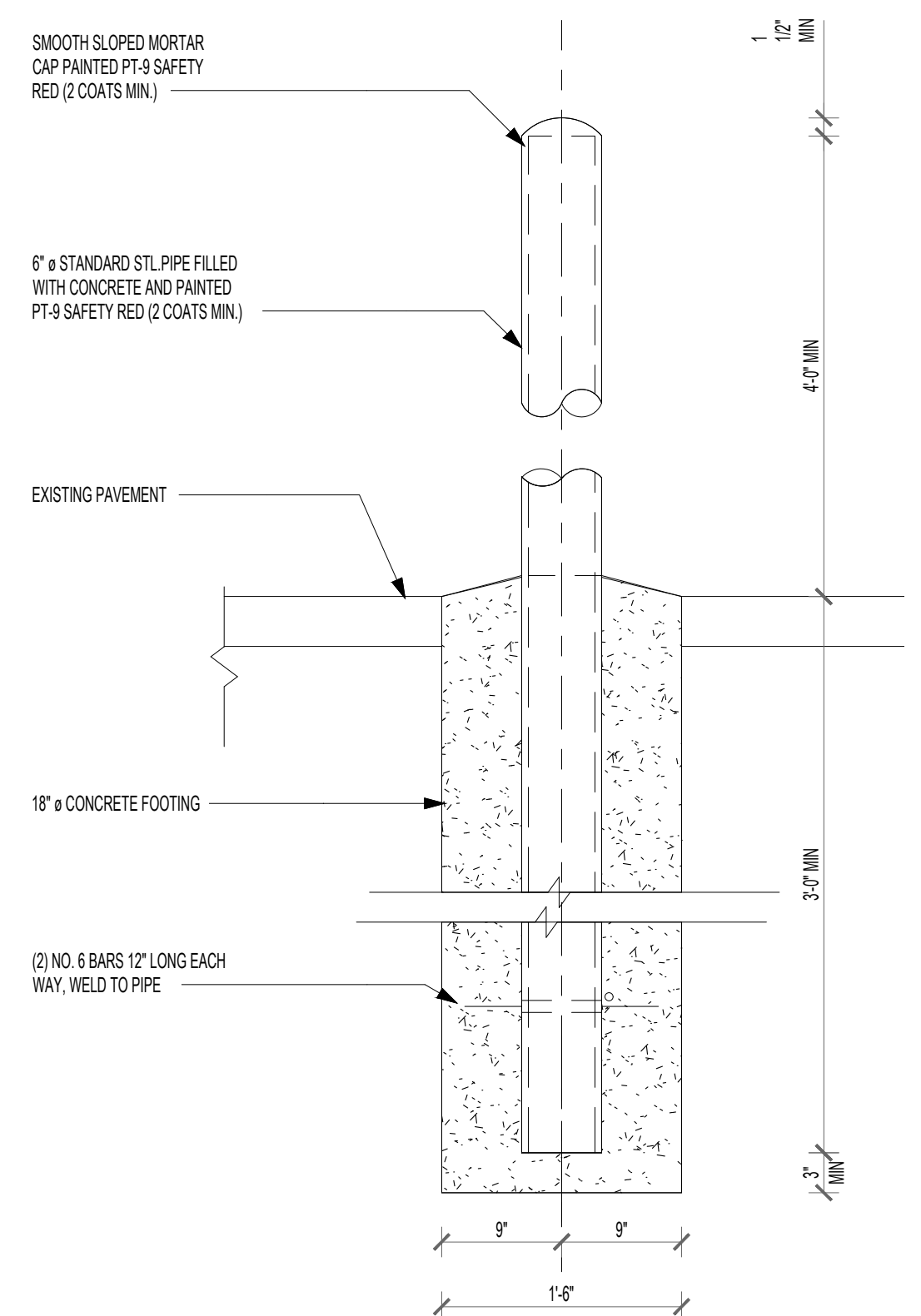
4 DUMPSTER WALL SECTION
SCALE: 1"=1'-0"



3 BOLLARD DETAIL
SCALE: 3"=1'-0"



2 PATIO FENCE DETAIL
SCALE: 1"=1'-0"



1 BOLLARD DETAIL
SCALE: 1"=1'-0"

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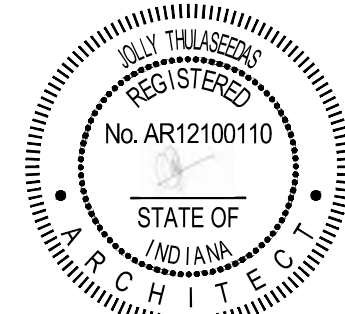
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Project Number: SKB-25-0111

SHEET NAME:

SITE DETAILS

SHEET NUMBER:

A-102

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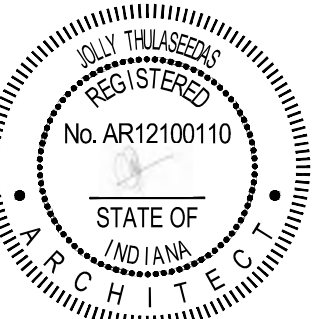
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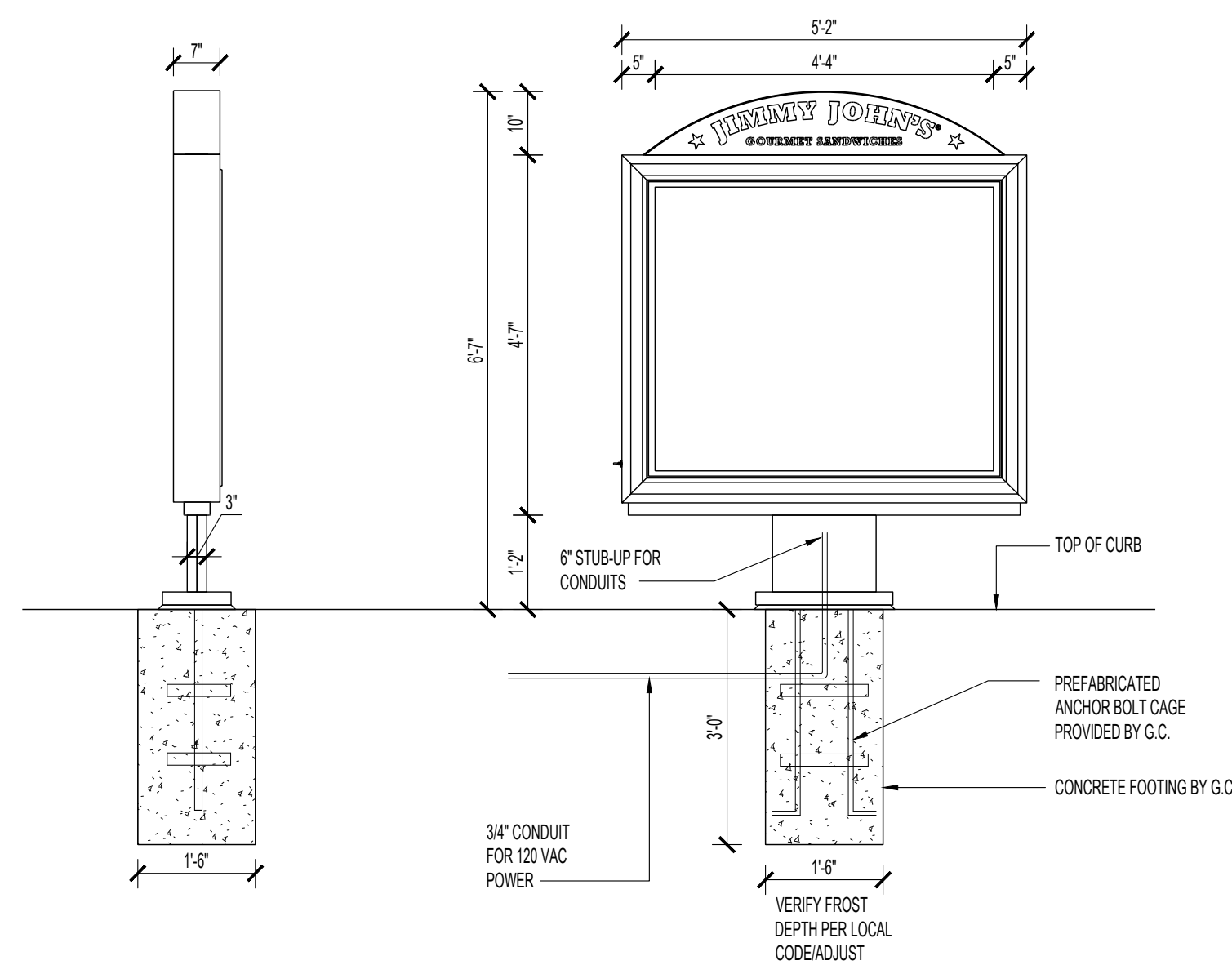
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

DRIVE THRU DETAILS

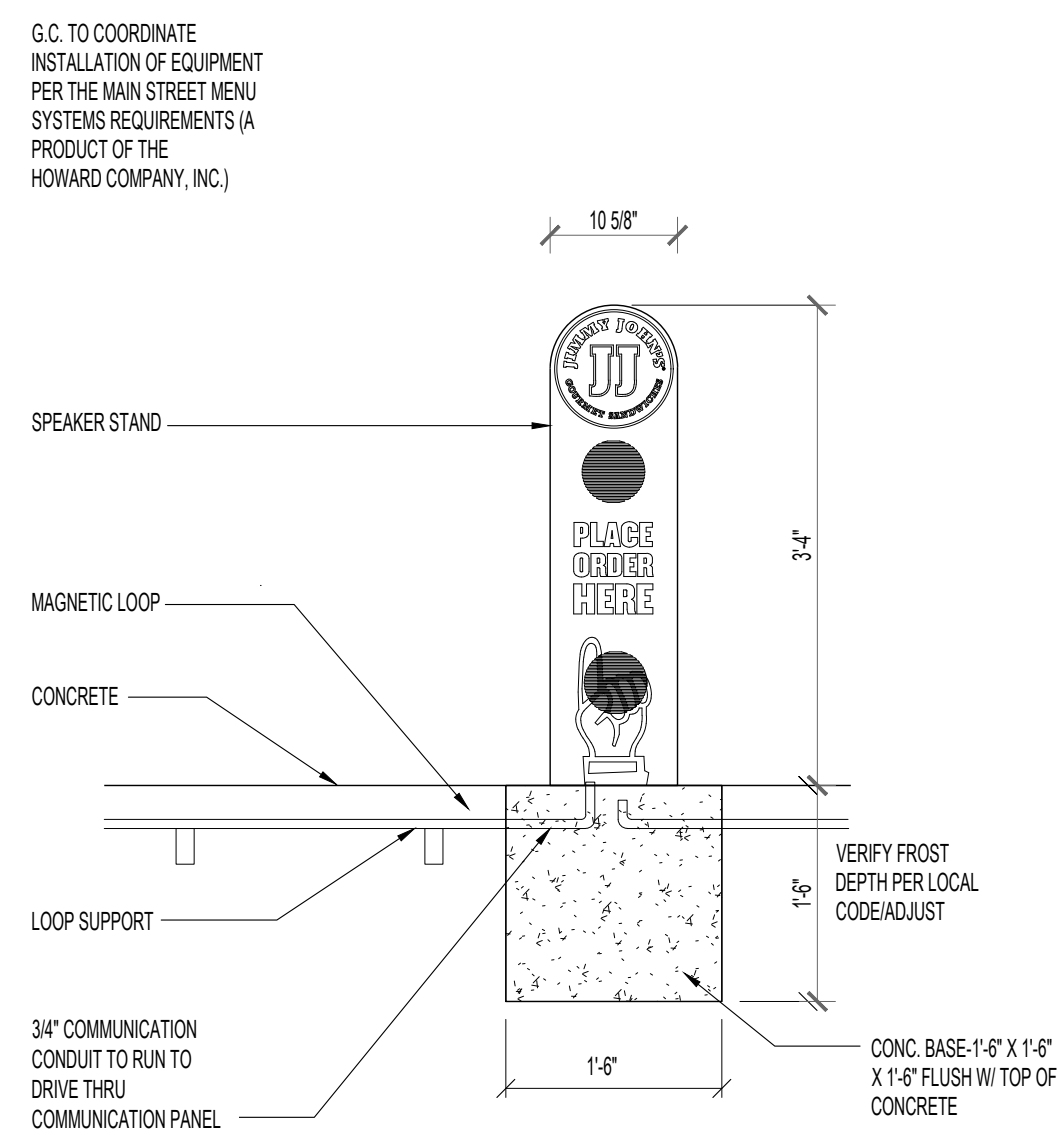
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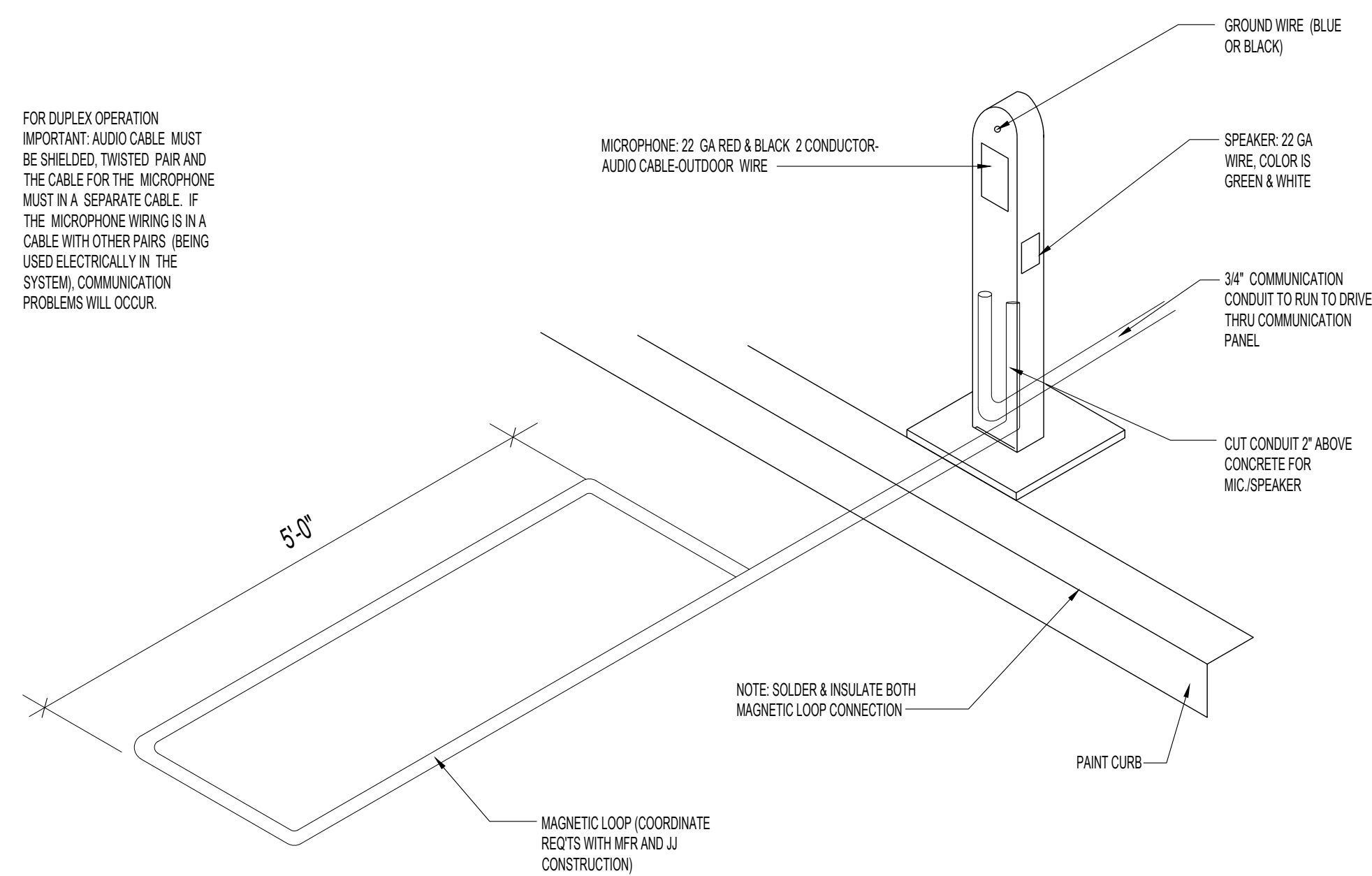
3 DRIVE THRU MENU BOARD

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

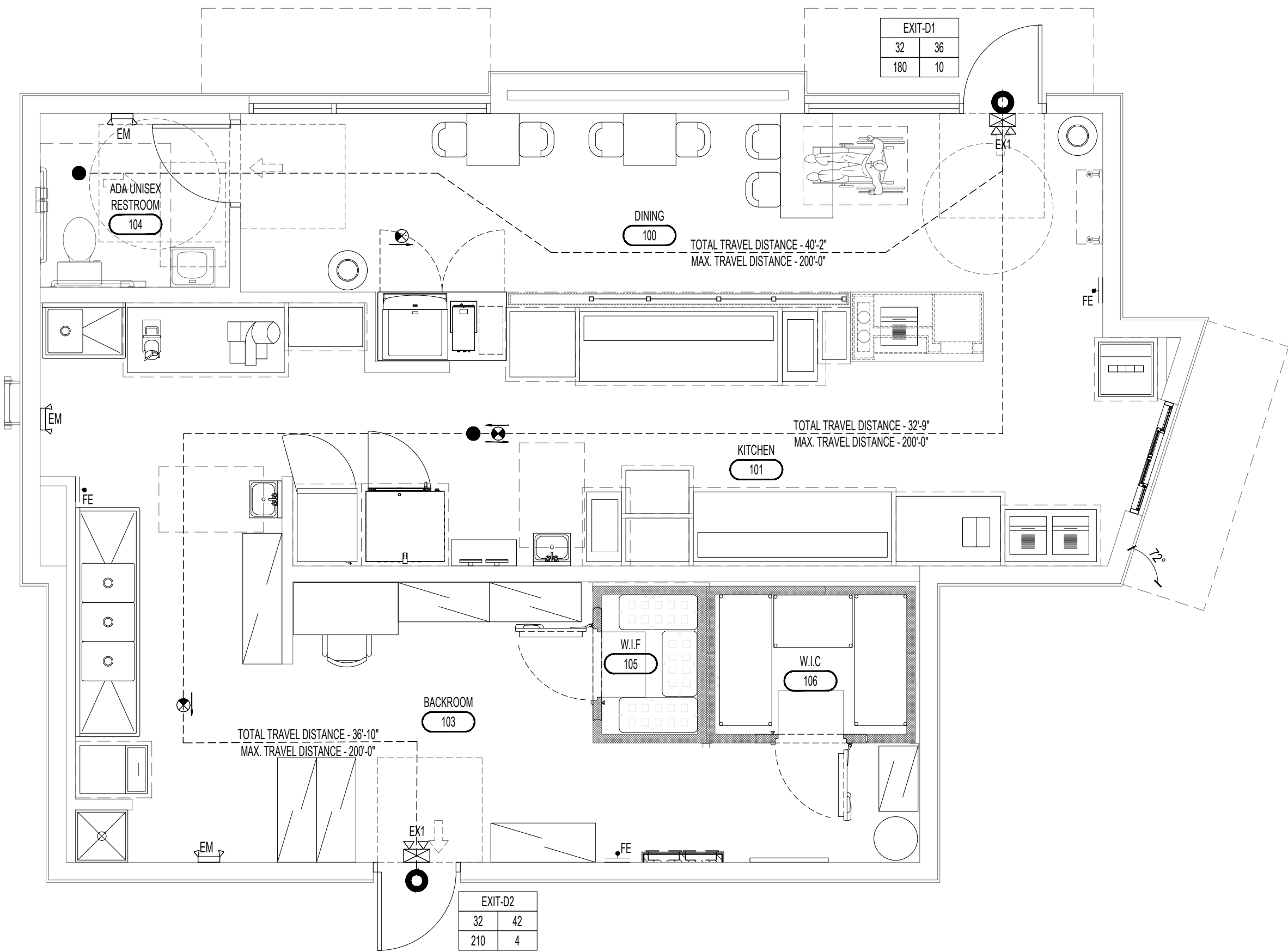


2 SPEAKER POST DETAIL

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



1 DETECTION/SPEAKER ISOMETRIC



1

LIFE SAFETY PLAN

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

N

●

EXIT DISCHARGE

●

TRAVEL DISTANCE INDICATOR

↑

INDICATES DIRECTIONAL ARROW

■

SHADED AREA INDICATES SIGNAGE FACE

CEILING MOUNTED FIRE EXIT SIGN

EXIT A

32

36

150

150

ROOM TYPE

PROD WIDTH (INCHES)

ACTUAL OCC. LOAD

MAX. OCC. LOAD

EXIT CAPACITY INDICATOR

EX

EXIT WALL MOUNTED EMERGENCY EXIT

EM

WALL MOUNTED EMERGENCY EXIT

FE

WALL MOUNTED FIRE EXTINGUISHER

FIRE EXTINGUISHER NOTE

ALL WALL-MOUNTED FIRE EXTINGUISHERS WITH THEIR LEADING EDGES BETWEEN TWENTY-SEVEN INCHES (27") AND EIGHTY INCHES (80") ABOVE THE FINISHED FLOOR SHALL NOT PROTRUDE MORE THAN FOUR INCHES (4") INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES.

NOTES:

- ALL DIMENSIONS TO BE VERIFIED IN FIELD.
- CONTRACTOR TO PROVIDE CLASS K FIRE EXTINGUISHER FOR KITCHEN AREA AND MINIMUM 3A:40BC RATED FIRE EXTINGUISHER FOR THE LOBBY AREA.

DOOR CAPACITY (2014 INDIANA BUILDING CODE 1005.3.2)

DOOR	DOOR WIDTH	ALLOWED CAPACITY	ACTUAL CAPACITY
DOOR 1	36	180 OCCUPANTS	10
DOOR 2	42	210 OCCUPANTS	4

NOTE: THE EGRESS CAPACITY VALUE USED TO DETERMINE THE DOOR CAPACITY, IS 0.20 INCHES PER OCCUPANT, AS INDICATED BY THE INDIANA BUILDING CODE (IBC) 2014.

OCCUPANCY LOAD CALCULATION (2014 INDIANA BUILDING CODE 1004.1.2)					
OCCUPANCY	ROOM NAME	AREA (SQ.FT)	LOAD FACTOR UNIT	NO.OF OCCUPANTS	NUMBER OF EXITS
ACCESSORY STORAGE AREAS, MECH. EQUIPMENT ROOM	STORAGE AREA	70	300 GSF	1	2
KITCHEN, COMMERCIAL	KITCHEN	459	200 GSF	3	
UNCONCENTRATED	SEATING AREA	140	15 NSF	10	
TOTAL NO.OF OCCUPANTS				14	2

GENERAL NOTES

A. VERIFY QUANTITY & LOCATIONS OF FIRE EXTINGUISHERS WITH LOCAL AUTHORITIES. PROVIDE FIRE EXTINGUISHERS - REFER FLOOR PLAN.

B. PROVIDE FIRE DEPARTMENT REQUIRED KEY BOX. COORDINATE LOCATION AND TYPE WITH LOCAL AUTHORITIES.

C. SEE MEP DRAWINGS AND RESPONSIBILITY MATRIX FOR INFORMATION REGARDING SPRINKLER AND FIRE ALARM SYSTEM.

D. INSTALL EMERGENCY LIGHTS IN DINING AREAS SUCH THAT THEY DO NOT INTERFERE WITH WALL DECOR & TV SCREENS. SEE ELECT LIGHTING PLAN FOR EXIT SIGNS & EMERGENCY LIGHTING.

E. ALL EXIT DOORS AND PATIO GATES EQUIPPED WITH PANIC HARDWARE, TYP.

F. REFER TO ELEC FOR EMERGENCY LIGHTING.

G. REFER TO ELEC SHEET AND REFLECTED CEILING PLAN FOR EXIT SIGN LOCATIONS.

H. REFER TO COVER SHEET C-100 FOR ADDITIONAL CODE ANALYSIS INFORMATION.

I. SEE SHEET DEPICTIVE FLOOR PLAN FOR WALL LEGEND AND FIRE RATED WALLS.

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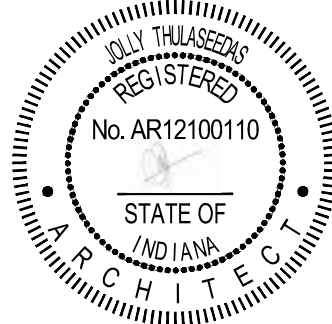
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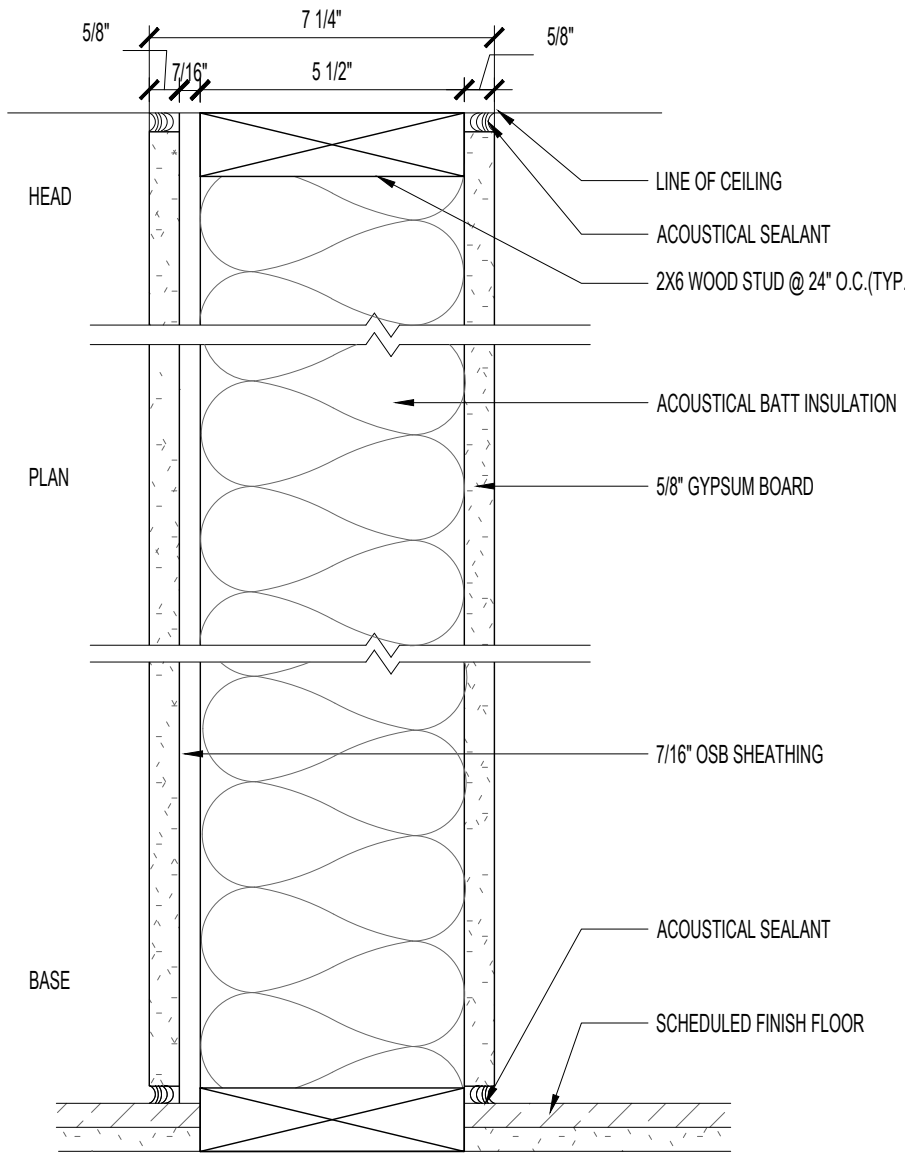
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

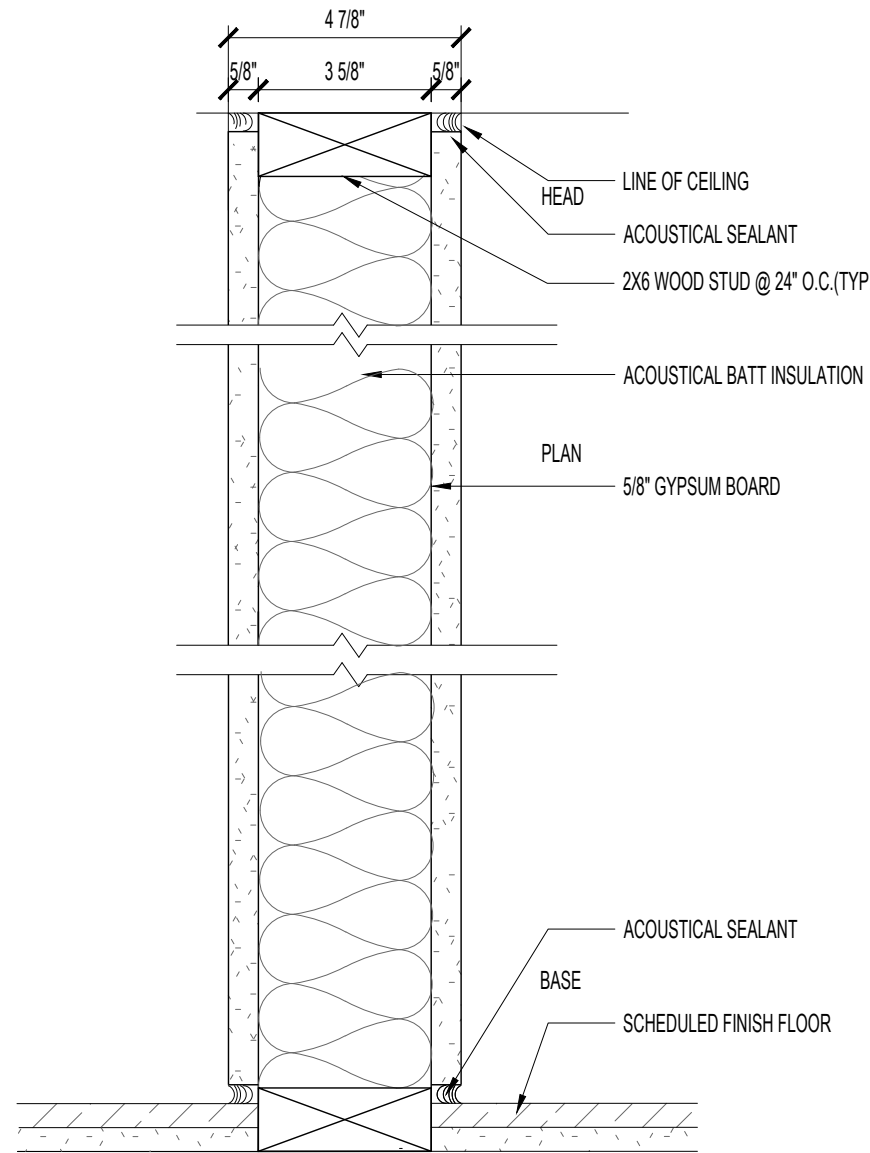
LIFE SAFETY PLAN

SHEET NUMBER:

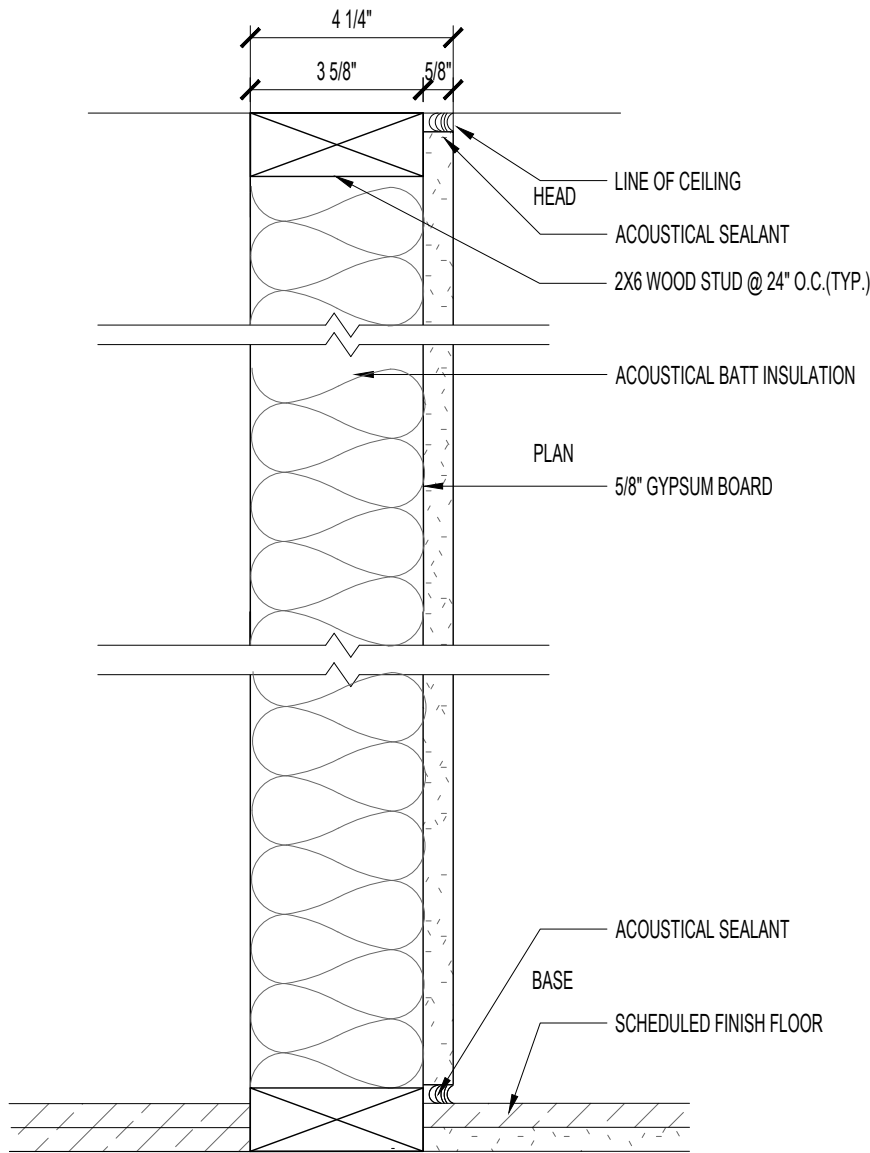
LS-201



1 PARTITION WALL



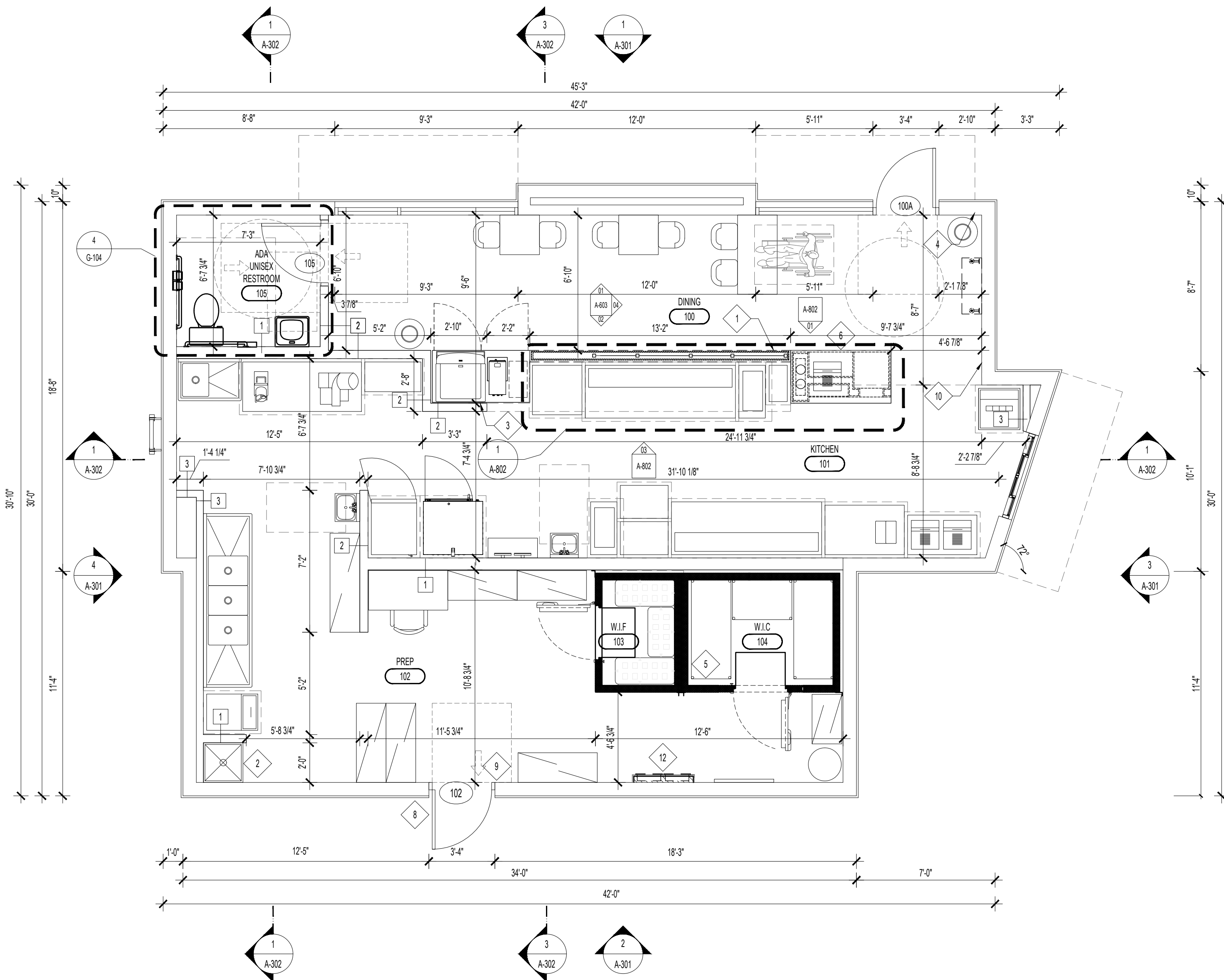
2 PARTITION WALL



3 PARTITION WALL

2 WALL TYPES

SCALE: 3/8\"/>



1 FLOOR PLAN

SCALE: 1/4\"/>

KEY NOTES

- BULKHEAD OR SOFFIT ABOVE. SEE REFLECTED CEILING PLAN A-701.
- AT BACK AND SIDE WALLS OF MOP SINK, PROVIDE 5/8\"/>
- 5/8\"/>
- LOCATION OF OCCUPANT LOAD SIGN, POST AT +5'-0\"/>
- WALK IN BOX PROVIDED BY EQUIPMENT VENDOR. COORDINATE INSTALLATION. REFERENCE ELECTRICAL FOR LINE VOLTAGE/ LOW VOLTAGE REFRIGERATION SCOPE. ENSURE WALL OPENING IS WEATHER TIGHT AND SEALED. COORDINATE INSTALLATION WITH STRUCTURAL STEEL LOCATIONS AT SCREEN WALL.
- 3/4\"/>
- NOT USED
- INSTALL BUZZER AT EXTERIOR KITCHEN DOOR. REFER TO ELECTRICAL DRAWINGS FOR CHIME LOCATION.
- PROVISION FOR ELECTRIC FLY FANS WHEN REQUIRED BY JURISDICTION HAVING AUTHORITY.
- MOUNT LIGHTING CONTROLS, THERMOSTAT, & FAN CONTROLS ON
- NOT USED
- LOCATE NEW METER & DISCONNECT

GENERAL PARTITION NOTES - WOOD STUD

- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- WHERE A CLEAR DIMENSION OR OPENING IS REQUIRED OR NOTED, DIMENSIONS ARE MEASURED TO FACE OF PARTITION FINISH.
- ALL LOW WALL HEIGHTS ARE MEASURED FROM 0'-0\"/>
- TYPICAL METAL STUD SPACING TO BE 16\"/>
- STUD FRAMING SHOWN INDICATES THE MIN STANDARD STUD SIZE, WHERE CONDITIONS OF THE WORK CAUSE PARTITIONS TO EXCEED THE LIMITS RECOMMENDED BY STUD MFR. REINFORCE PARTITION AS NEEDED TO MEET THESE RECOMMENDATIONS.
- PARTITION TYPES INDICATE THE GENERAL REQUIREMENTS FOR CONSTRUCTION. REFER TO MFR'S RECOMMENDATIONS AND REQUIREMENTS OF APPLICABLE TESTING AGENCIES FOR THE SPECIFIC DETAILS OF PARTITION CONSTRUCTION.
- WHERE DIFFERENT PARTITION SYSTEMS AND/ OR FLOORING MEET, MAINTAIN A FLUSH SURFACE ON THE STRAIGHT OR CONTINUOUS FACE, U.N.O.
- COORDINATE ALL WALL HEIGHTS WITH FINISHES AND INTERIOR ELEVATIONS ON SHEET A-601 TO ENSURE PROPER FRAMING HEIGHTS.
- PROVIDE FIRE BLOCKING AT INTERCONNECTIONS BETWEEN CONCEALED STUD WALL OR PARTITION SPACES AND BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS DROPPED CEILINGS.
- PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING, OR SHEET METAL BACKING, WITHIN PARTITION FOR SECURE ATTACHMENT OF ALL WALL HUNG FIXTURES, ACCESSORIES, FOOD SERVICE EQUIPMENT, ETC. BLOCKING REQUIRED FOR ALL EQUIPMENT SHOWN THROUGHOUT PLANS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - TOILET ACCESSORIES - SEE G-102 GENERAL NOTES AND WALL FINISHES
 - G.C. TO PROVIDE BLOCKING FOR EQUIPMENT RESTRAINTS AT HOOD WALL
 - REFER TO EXTERIOR ELEVATIONS FOR BUILDING SIGNAGE, TO BE PERMITTED UNDER SEPARATE PERMIT BY VENDOR. REFER TO ELECTRICAL DRAWINGS FOR DATA RACK AND PHONE BOARD LOCATIONS.

GENERAL NOTES

- REFER TO A-202 FOR WALL SHEATHING AND FINISH INFORMATION
- REFER TO A-202 FOR FLOOR SINK & FLOOR DRAIN LOCATION
- REFER TO A-804 FOR WINDOW, DOOR, AND FRAME INFORMATION
- PROVIDE CLOSURE STRIPS AT ALL JOINTS AND FIRESTOPPING AT GAPS BETWEEN TOP OF COOLER/FREEZER AND WALLS. VERIFY EXACT LOCATION WITH COOLER/FREEZER MANUFACTURER AND PROVIDE ALL FINAL CONNECTIONS.
- COORDINATE ALL CLEAR DIMENSIONS IN AREAS OF WALK-IN COOLERS/FREEZERS WITH KITCHEN EQUIPMENT SUPPLIER AND INSTALLERS
- G.C. TO PROVIDE BLOCKING FOR ALL WALL MOUNTED OR RECESSED EQUIPMENT
- ENTRY AND PATIO DOORS TO BE FULLY ACCESSIBLE - CLEAR AREA REQUIRED AT DOOR TO BE LEVEL OR 2% SLOPE
- MAXIMUM DOOR PULLS MOUNTED AT 48\"/>
- REFER TO A-601 FOR EQUIPMENT ELEVATION TAGS

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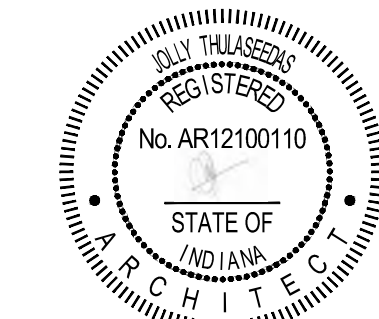
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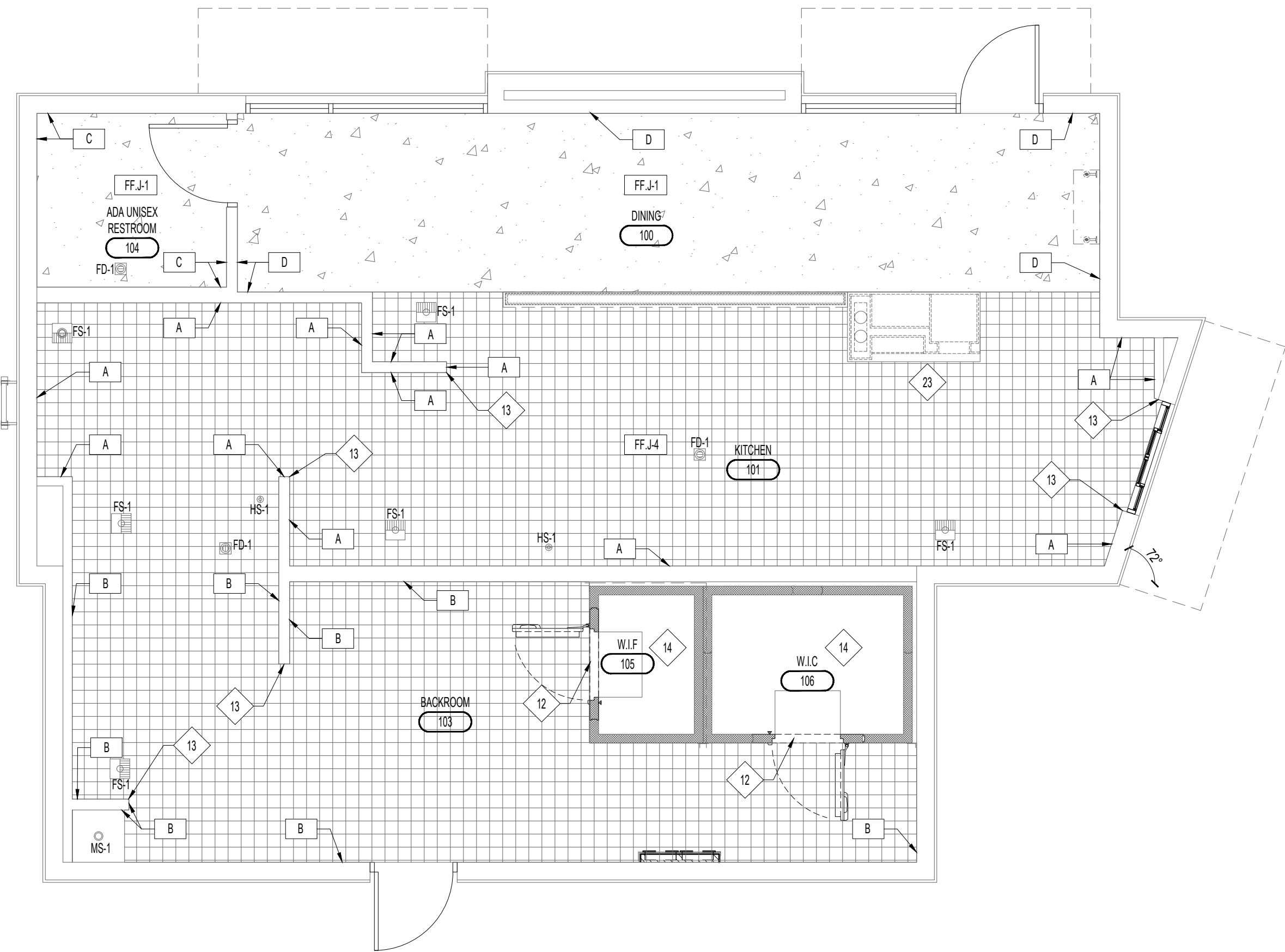
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

FLOOR PLAN

SHEET NUMBER:

A-201



1 WALL & FLOOR FINISH PLAN
SCALE: 1/4"=1'-0"

FLOOR FINISH AND BASE LEGEND		
TAG	FLOOR DESCRIPTION WITH FINISH	IMAGE TYPE
FF-J-1	POLISHED CONCRETE CONSOLIDECK POLISHGUARD BASE: WB-J-2 IN FOH WB-J-3 IN RESTROOMS	
FF-J-4	8"X8" QUARRY TILE METRO 507 PURITAN GRAY GROUT: GJ-2 BOSTIK SANDED GROUT FRENCH GRAY BASE: WB-J-1, METRO 507 PURITAN GRAY COVE BASE	
NOTE: PROVIDE PAINTED CEMENT BOARD AT ALL WALLS OF RESTROOM, AND JANITOR CLOSET		

SHEATHING AND WALL FINISH SCHEDULE			
TYPE	AREA	SHEATHING	FINISH
A	KITCHEN - TILE	5/8" CEMENT BACKER BOARD UP TO 12' AFF 5/8" MOLD RESISTANT GYP FROM 12' TO 10'-6" AFF	WB-J-1 COVE BASE WT-J-1 WALL TILE TO CEILING
B	KITCHEN - FRP	5/8" CEMENT BACKER BOARD (CBD-1) TO 12' AFF 5/8" MOLD RESISTANT GYP FROM 12' TO 10'-6"	FIBER REINFORCED PANEL (FRP-J-1)
C	RESTROOMS - TILE	5/8" CEMENT BACKER BOARD (CBD-1) 12' AFF 5/8" MOLD RESISTANT GYP FROM 12' TO 8'-6" AFF	WB-J-1 COVE BASE WT-J-6 WALL TILE TO CEILING
D	FRONT OF HOUSE - TILE & WALL COVERING	5/8" CEMENT BACKER BOARD (CBD-1) TO 12' AFF 5/8" MOLD RESISTANT GYP FROM 12' TO 11'-0"	WB-J-2 TILE BASE WT-J-2 WALL TILE TO 4'-6" AFF WG-J-1 WALL COVERING TO 10'-0" AFF GYP BD PAINTED PT-J-3 TO CEILING

GENERAL NOTES	
A.	FLOORING CONTRACTOR IS RESPONSIBLE FOR FLOOR PREP NECESSARY FOR NEW FLOORING
B.	SEAL ALL CONTROL JOINTS. SEE SPEC FOR TYPES AND SUBSTRATES. INSTALL ANTI-FRACTURE MEMBRANE OVER ALL CONTROL JOINTS, TYP
C.	NO EPOXY GROUT SUBSTITUTES PERMITTED
D.	FLOORS TO BE INSTALLED AS TO PROVIDE POSITIVE DRAINAGE TO ALL FLOOR DRAINS
E.	DO NOT PERMIT TRAFFIC OVER FINISHED FLOOR SURFACE FOR 4 DAYS AFTER INSTALLATION
F.	PROVIDE TWO LAYERS OF CRAFT PAPER OVER ALL TILE AND GROUT ON FLOORS. TAPE DOWN AND STAGGER SEAMS BY HALF THE WIDTH ON SECOND LAYER.
G.	NO ACID TO BE USED FOR CLEANING FLOORS AFTER INSTALLATION AND DURING CONSTRUCTION TURNOVER. USE SOAP AND WATER WITH DECK BRUSH.
H.	NO FLOOR FINISH BASE NECESSARY WHERE MILLWORK OR BUILT-IN SEATING IS LOCATED AGAINST TILE WALL
I.	SEE A-602 FOR FINISH SCHEDULE
J.	REFER TO INTERIOR ELEVATIONS FOR HORIZONTAL & VERTICAL EXTENTS OF WALL FINISHES
K.	SET FLOOR DRAINS FLUSH WITH TOP OF FINISH TILE FLOOR OR SEALED CONCRETE. SEE PLUMBING
L.	FOR TYPICAL BASE INSTALLATION DETAILS. SEE DETAIL SHEETS
M.	G.C. TO APPLY CLEAR SILICONE SEALANT TO ALL HORIZONTAL SEAMS TO COUNTERTOPS, TILE BASES, WAINSCOTS, CAPS AND OTHER INTERIOR JOINTS. UNDO AFTER THE COMPLETION INSTALLATION OF PAINT AND ALL FINISHES.
N.	PAINTING CONTRACTOR RESPONSIBLE FOR FILLING ALL NAIL HOLES, SANDING AND TOUCH UP
O.	USE APPROVED BY MANUFACTURER ADHESIVE TO BOND THE TILE BASE TO THE WALL COVERING, FRP AND COOLERS
P.	ALL WALL FINISHES TO BE INSTALLED TO CEILING OR IN OPEN AREAS INSTALLED TO DECK UNLESS NOTED OTHERWISE
Q.	FOR INSIDE CORNER DETAILS FOR FINISHES - SEE DETAIL SHEETS
R.	FOR END WALL AND CORNER GUARD DETAILS - SEE DETAIL SHEETS

KEY NOTES	
12.	FLOOR TRANSITION LINE - INSTALL SCHLUTER SCHENE TO CAP END OF QUARRY TILE.
13.	EQUIPMENT SUPPLIER TO PROVIDE STAINLESS CORNER ON WALLS IN BACK OF HOUSE. GC TO INSTALL.
14.	COOLER / FREEZER CEILING BY COOLER MANUFACTURER. EXTERIOR WALK-IN BOXES. COORDINATE CONDENSING UNITS ON MAIN ROOF.
23.	FLOOR TILE TO WRAP INSIDE OF MILLWORK; REFER TO MILLWORK DRAWINGS FOR DIMENSIONS.

GENERAL NOTES	
A.	STUDY AND COMPARE THE REFLECTED CEILING PLANS WITH THE MECH AND ELEC DRAWINGS FOR LUMINAIRES, DIFFUSERS, AND GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION DISCOVERED.
B.	SEE MECHANICAL AND ELECTRICAL DWGS FOR INFO AND SPECS CONCERNING FIXTURES SHOWN ON THIS PLAN.
C.	WHERE GYP BD SOFFIT OR BULKHEAD OCCURS WITH SUSPENDED CEILING, EXTEND AND PAINT GYP BD TO 6" MIN. ABOVE SUSPENDED CEILING.
D.	CEILING TYPES AND FINISHES. SEE FINISH SCHEDULE ON A-602.
E.	CENTER LIGHT FIXTURES LOCATED IN SUSPENDED CEILING GRND. UN.O.
F.	INSULATING PIPE WRAP IN HARD PAINTABLE FINISH ON ALL ROOF DRAINS AND PIPING THAT RUN THROUGH SPACE.
G.	SEE A-805 FOR DOOR TYPES.
H.	IN THE EVENT OF INCONSISTENCIES BETWEEN ARCHITECTURAL AND CONSULTANT PLANS, THE ARCHITECTURAL SHEET SHALL TAKE PRECEDENCE. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
I.	DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
J.	FOR ALL EXTERIOR LIGHT FIXTURES, REFER TO EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS. COORDINATE WITH MEP.
K.	HVAC VENDOR TO PROVIDE ROOF CURBS AND VENDOR IS RESPONSIBLE FOR PROVISION COORDINATION OF ROOF PENETRATIONS REQUIRED FOR EQUIPMENT INSTALLATION.
L.	JOIST MANUFACTURER TO VERIFY STRUCTURAL JOIST CAPACITY BASED UPON FINAL ROOF TOP MOUNTED MECHANICAL PLAN AND WEIGHTS SUPPLIED BY MECHANICAL ENGINEER.
M.	INSTALL ROOF TOP MOUNTED MECHANICAL UNITS ON PRE-FINISHED METAL CURB WITH TREATED WOOD NAILER. REFER TO DETAILS AS INDICATED ON THIS SHEET. SEE MECHANICAL DRAWINGS FOR NUMBER, SIZE, HEIGHT, WEIGHT, AND FINAL LOCATION OF ROOF TOP MOUNTED MECHANICAL EQUIPMENT.
N.	VENT PIPES TO BE 10'-0" MINIMUM FROM AIR INTAKE.
O.	ROOF PENETRATIONS, CURBS, AND SLEEPERS TO BE INSTALLED BY LANDLORD APPROVED ROOFER.
P.	ROOF PATCH AND REPAIR TO BE COMPLETED BY MANUFACTURER APPROVED ROOFING CONTRACTOR. REFER TO DETAILS AS INDICATED ON THIS SHEET. SPECIFICATIONS FOR NEW ROOF CRICKETS PER MANUFACTURER'S RECOMMENDATIONS.
Q.	ALL GAS PIPING TO ROOF SHALL BE PAINTED TO MATCH ADJACENT FINISH.
R.	PROVIDE POWER AND BLOCKING FOR ALL BUILDING SIGNAGE. COORDINATE WITH SIGN VENDOR.
S.	COORDINATE DIMENSIONS OF OPENINGS FOR ALL ROOF MOUNTED EQUIPMENT WITH THE VENDOR.
T.	ROOF INSULATION IS "R" VALUE 30.
U.	WALLS, FLOORS, AND CEILINGS IN KITCHEN, PREPARATION, SERVICE, WASHING AND BAR AREAS, OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE LIGHT COLORED, SMOOTH, EASILY CLEANABLE, NON ABSORBENT AND DURABLE.
V.	PROVIDE PROTECTIVE COVERS ON LIGHTS IN FOOD STORAGE, PREPARATION AND UTENSIL WASH AREAS.

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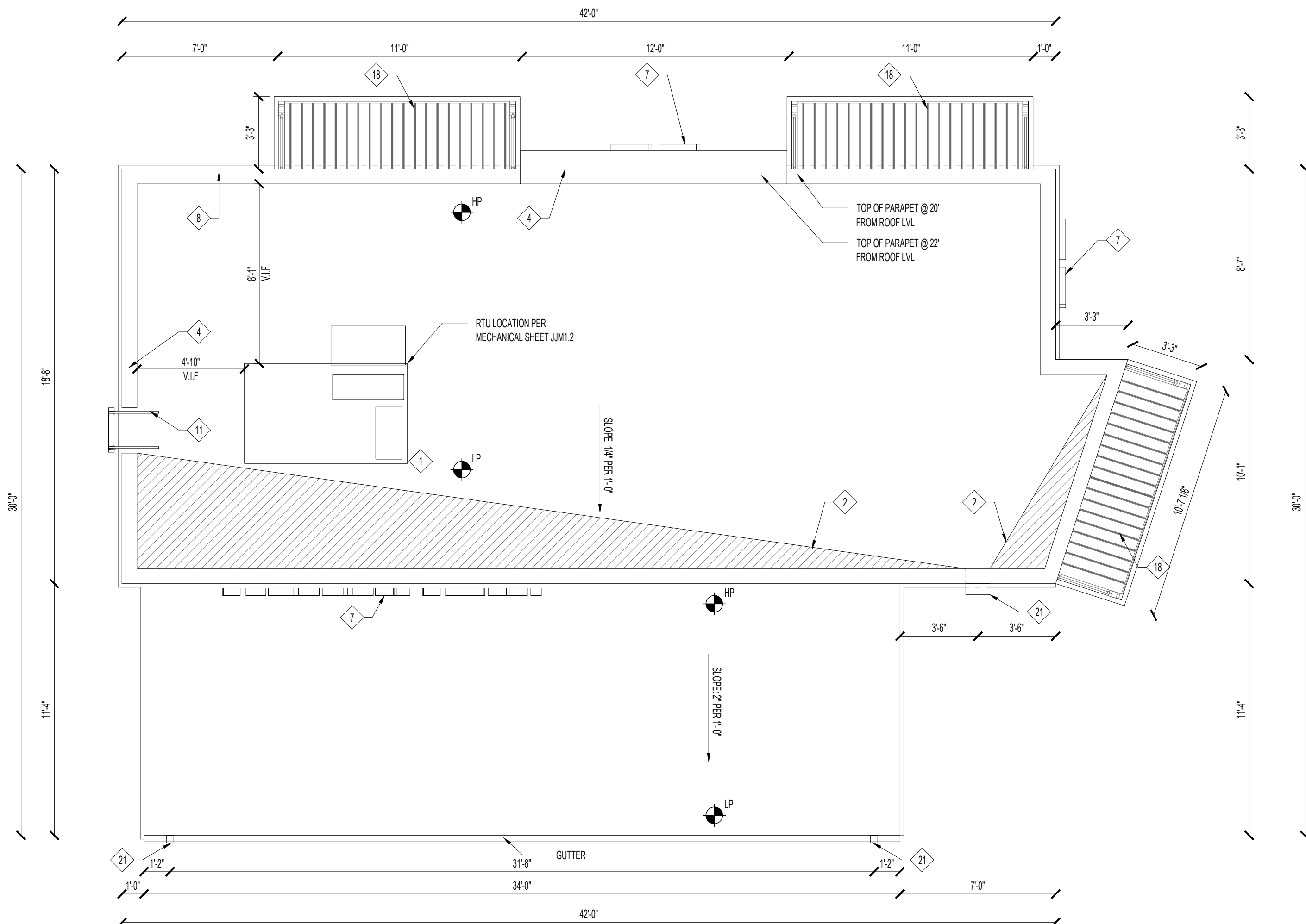
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

WALL & FINISH
FLOOR PLAN

SHEET NUMBER:

A-202



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

- KEY NOTES**
- ROOFTOP HVAC UNIT, MOUNT ON PREFINISHED METAL CURB - SEE MECH. AND STRUCTURAL DWGS.
 - CRICKETS AROUND NEW ROOF EQUIPMENT CURBS - SLOPE 1/2" PER FOOT MIN.
 - REF MECHANICAL ROOF PLAN FOR LIGHTS AND OUTLETS AT UNITS.
 - SHEET METAL CORING AT TOWER - REFER TO WALL SECTIONS.
 - CONDENSING UNITS FOR WALK-IN BOX, COORDINATE LOCATION WITH KITCHEN EQUIPMENT VENDOR. FOR TYPICAL SUPPORTS, REFER TO MECHANICAL DWGS.
 - APPROXIMATE LOCATION OF SATELLITE DISH PROVIDED BY AV CONTRACTOR. AV VENDOR TO SUPPLY CMU BLOCKS FOR HOLDDOWNS. COORDINATE PENETRATION WITH THE AV INSTALLER.
 - SIGNAGE, REFER TO ELEVATIONS AND ELECTRICAL DWGS. COORDINATE BLOCKING REQUIREMENTS WITH SIGN VENDOR. FOR TYPICAL WALL SIGNAGE DETAIL, REF.
 - SHEET METAL CORING, TYP AT ALL PARAPETS.
 - EXHAUST FANS - SEE MECHANICAL DRAWINGS.
 - VENT THRU ROOF - REFERENCE PLUMBING SHEETS AND DETAIL.
 - ROOF ACCESS LADDER - G.C. TO SOURCE LOCALLY.
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - PRE-FABRICATED AWNING WITH TIE-RODS TO BUILDING - SEE EXTERIOR ELEVATIONS FOR MORE INFORMATION
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED

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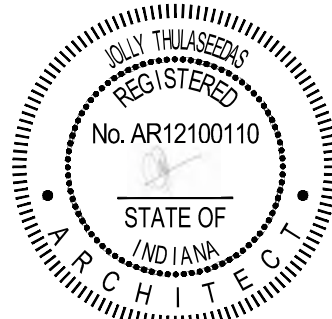
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Drawn / Designed By: PS/SH
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

ROOF PLAN

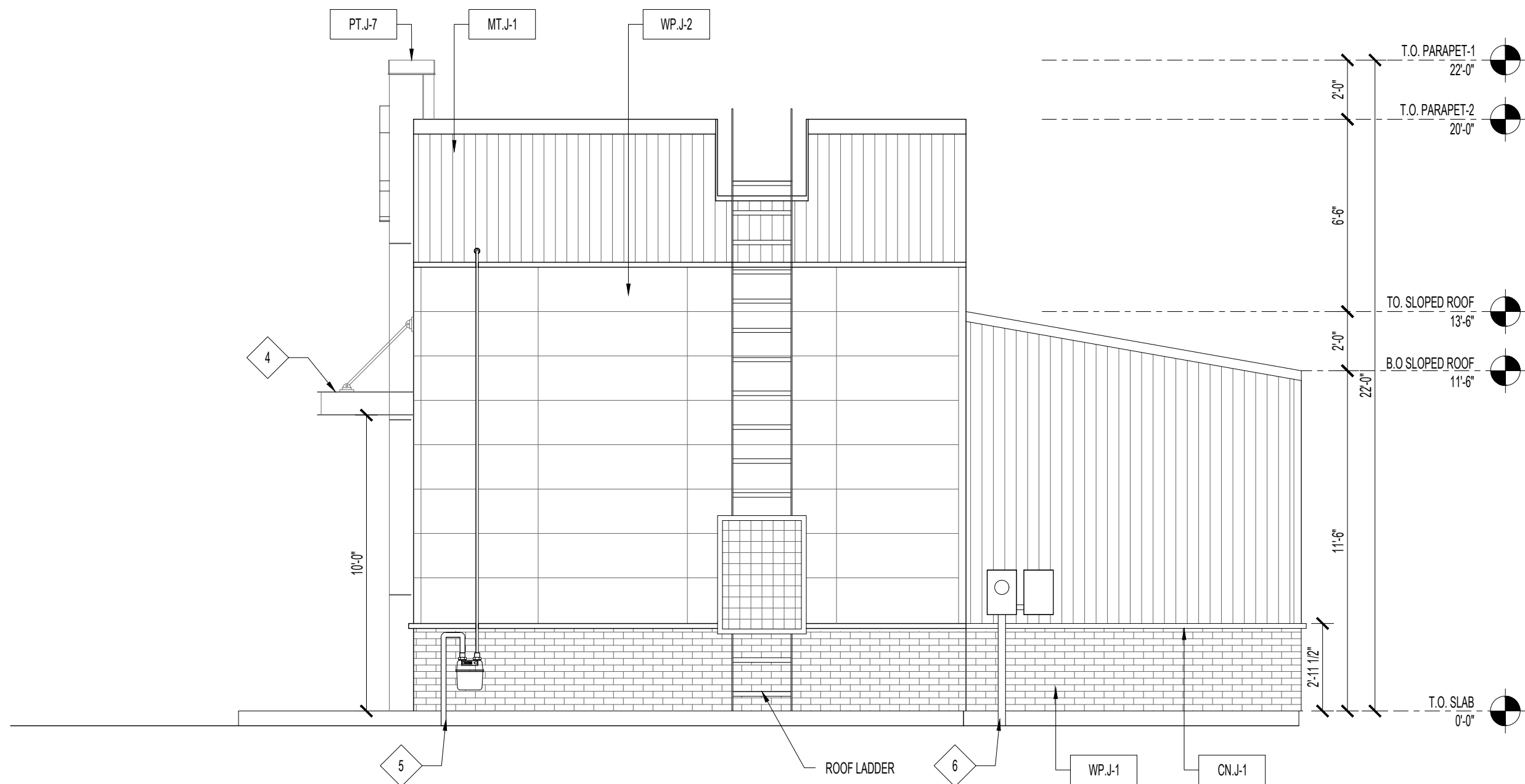
SHEET NUMBER:

A-203

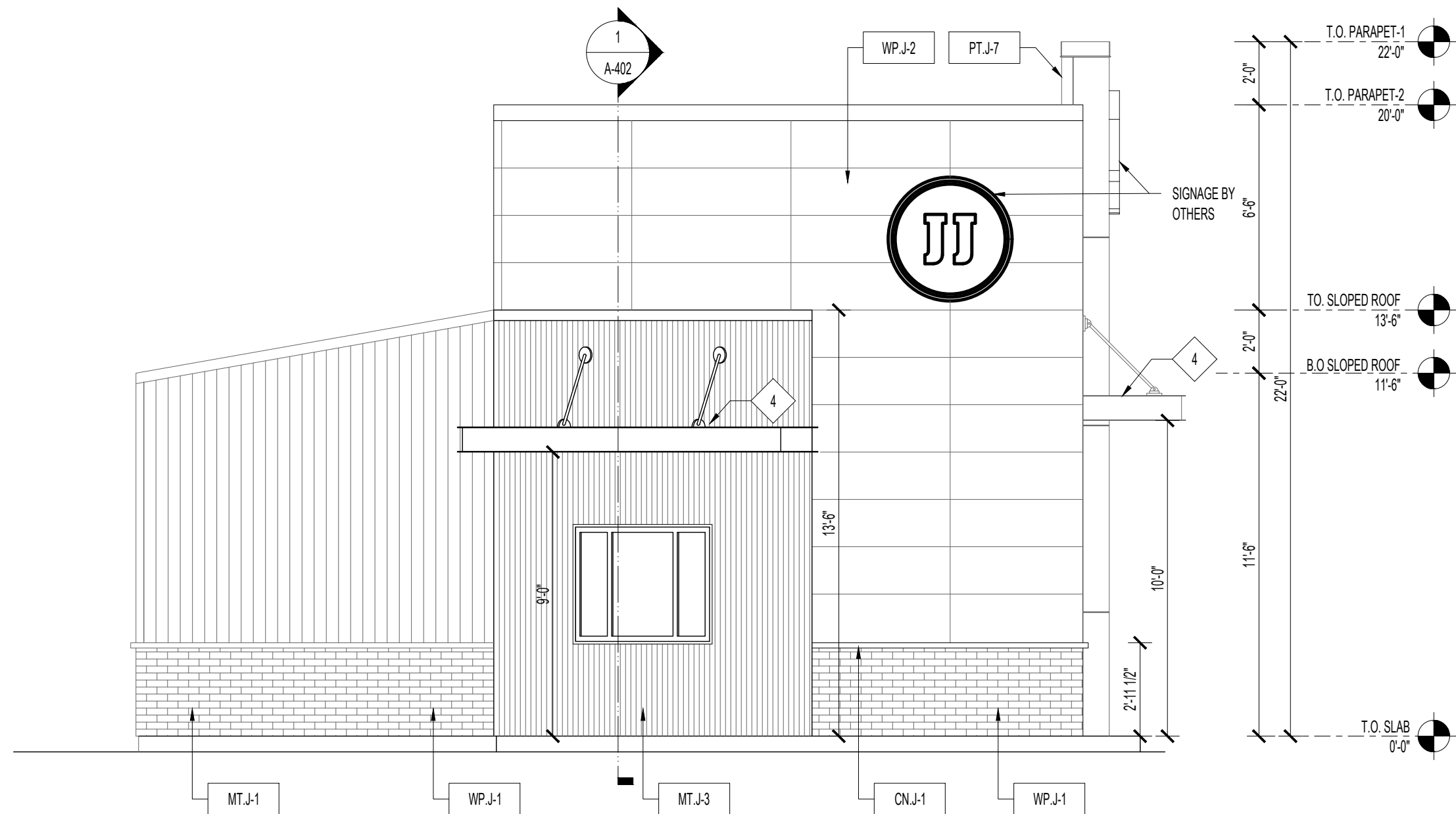
- ◇ KEY NOTES
1. EXTERIOR UP/DOWN LIGHT FIXTURE - DIMENSIONS ARE TO CENTERLINE OF JUNCTION BOX. SEE ELECTRICAL.
 2. METAL ILLUMINATED SIGN SUPPLIED AND INSTALLED BY SIGN VENDOR. KNOX BOX - CONFIRM LOCATION & QUANTITY WITH LOCAL FIRE AUTHORITIES.
 3. PRE-FABRICATED AWNING WITH TIE-RODS TO BUILDING. MAPES ARCHITECTURAL CANOPIES, SUPER LUMIDECK FLAT SOFFIT, FINISHED TO MATCH.
 4. APPROXIMATE LOCATION OF TENANT GAS METER - COORDINATE EXACT REQUIREMENTS AND LOCATION WITH PLUMBING DRAWINGS.
 5. APPROXIMATE LOCATION OF ELECTRICAL METER - COORDINATE EXACT REQUIREMENTS AND LOCATION WITH ELECTRICAL DRAWINGS.
 6. NOT USED.

- GENERAL NOTES
- A. COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL PENETRATIONS IN THE EXTERIOR FACADES.
 - B. SEE SHEET A-804 FOR WINDOW AND DOOR TYPES AND FINISHES.
 - C. VERIFY LOCATION, SIZE, & TYPE OF ADDRESS NUMBERS & LETTERS FOR BUILDING WITH LOCAL AUTHORITIES.
 - D. BUILDING SIGNAGE IS UNDER A SEPARATE PERMIT & NOT PART OF THIS PLAN REVIEW. G.C. TO PROVIDE BLOCKING AND POWER FOR ALL SIGNAGE. COORDINATE WITH SIGN VENDOR AND DRAWINGS. REFER TO DOOR AND WINDOW SCHEDULE ON SHEET A601 FOR ADDITIONAL INFORMATION ON GLAZING, FINISH, AND DETAILS FOR OPENINGS.
 - E. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL FRAMING MEMBER SIZES AND SPACING.
 - F. PROVIDE ADEQUATE BLOCKING, BACKING, OR OTHER REINFORCING NECESSARY FOR WALL- AND CEILING-MOUNTED ITEMS. COORDINATE BLOCKING WITH VENDORS.
 - G. IN NORTHERN CLIMATES, CONTINUOUS VAPOR BARRIERS TO BE INSTALLED ON INSIDE FACE OF FRAMING. REFER TO SECTION 07 2610.
 - H. ALL WELDS TO BE GRIND SMOOTH AND FLUSH.

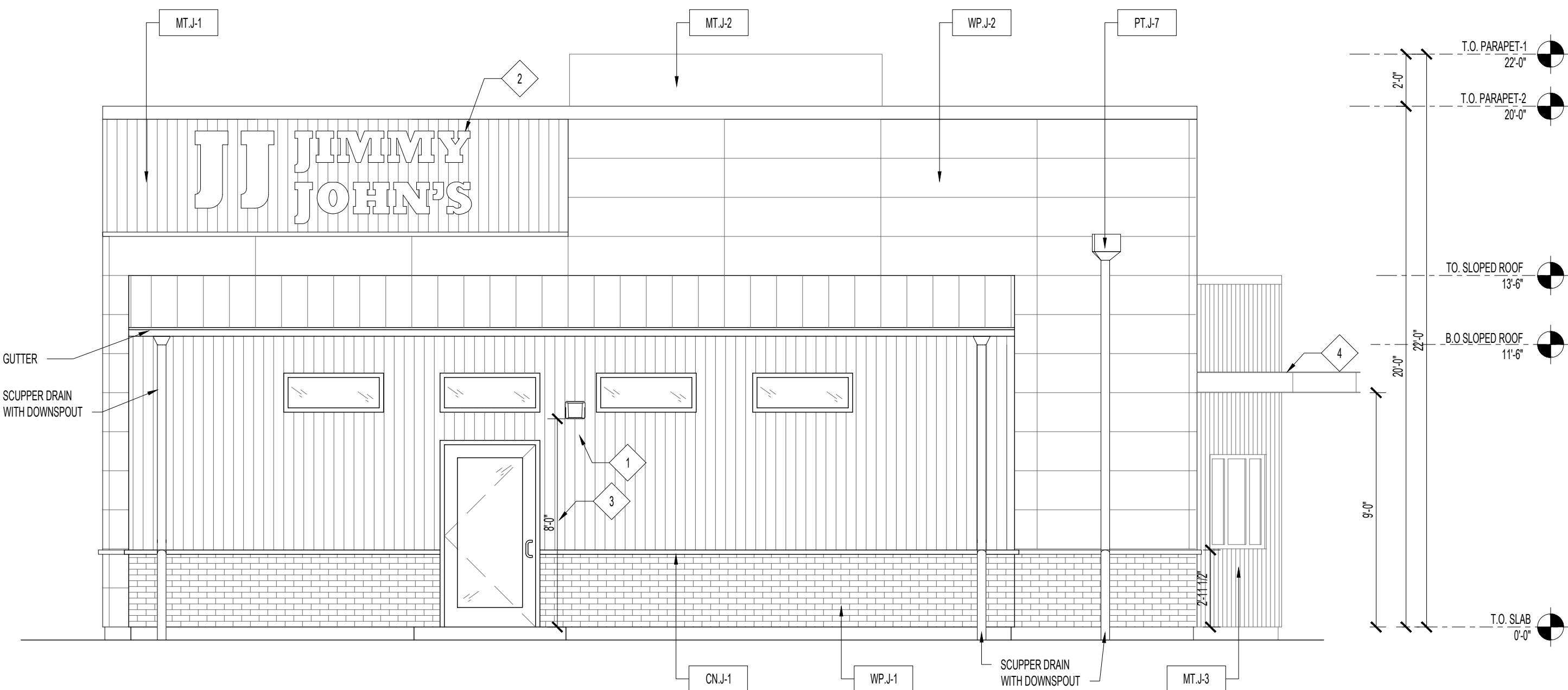
EXTERIOR FINISH SCHEDULE								
TAG	LEGEND	DESCRIPTION	TYPE/SERIES	COLOR/FINISH	LOCATION	REMARKS	FURNISHED BY	INSTALLED BY
CN-J-1		CONCRETE WALL CAP	BELDEN BRICK	MATCH NICHHA PANEL	ABOVE WAINSCOT		G.C.	G.C.
MT-J-1		GRAY VERTICAL METAL PANEL	PAC CLAD PRECISION	HWP MUSKET GRAY	BACK OF HOUSE WALL CLADDING	HWP 22 GAUGE STEEL	G.C.	G.C.
MT-J-2		BLACK FLUSH METAL PANEL	PAC CLAD	FLUSH WALL PANEL BLACK ALUMINIUM	GRAB N GO TOWER WALL CLADDING	SMOOTH 22 GAUGE STEEL	G.C.	G.C.
MT-J-3		RED VERTICAL METAL PANEL	PAC CLAD PRECISION	CARDINAL RED	PICK UP WINDOW BUMP OUT WALL CLADDING	HWP 22 GAUGE STEEL	G.C.	G.C.
WP-J-1		FIBER CEMENT PANEL	NICHHA	MODERN BRICK MIDNIGHT	WAINSCOT		G.C.	G.C.
WP-J-2		FIBER CEMENT PANEL	NICHHA	ANP 1818 MRAHA	FRONT OF HOUSE WALL CLADDING		G.C.	G.C.
PT-J-7		SEMI-GLOSS PAINT	SHERWIN-WILLIAMS	SW 6268 TRICORN BLACK	COPING		G.C.	G.C.



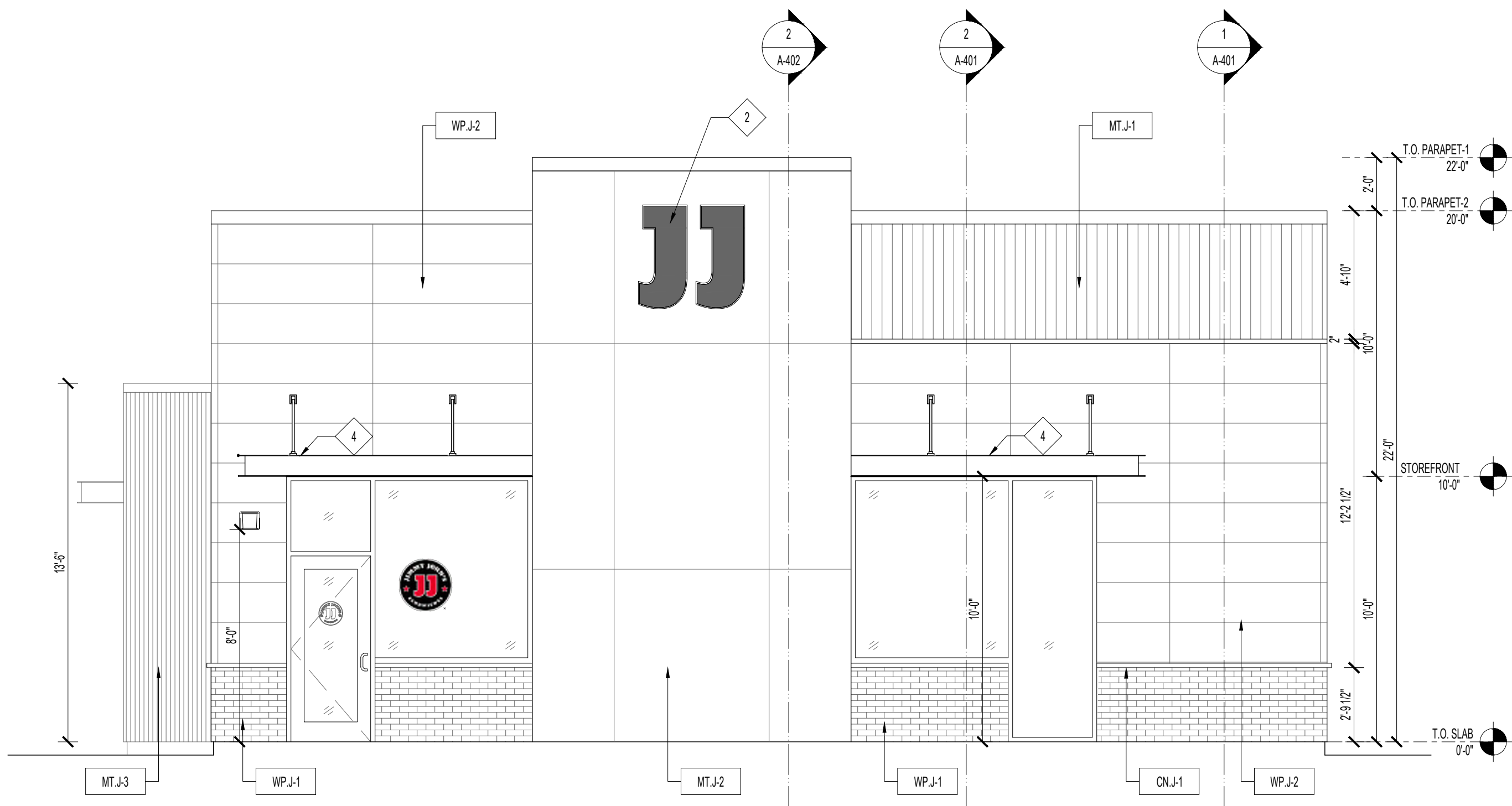
4 WEST ELEVATION
SCALE: 1/4"=1'-0"



3 EAST ELEVATION
SCALE: 1/4"=1'-0"



2 SOUTH ELEVATION
SCALE: 1/4"=1'-0"



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

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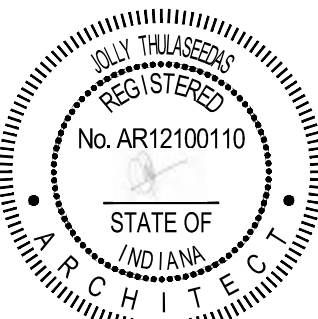
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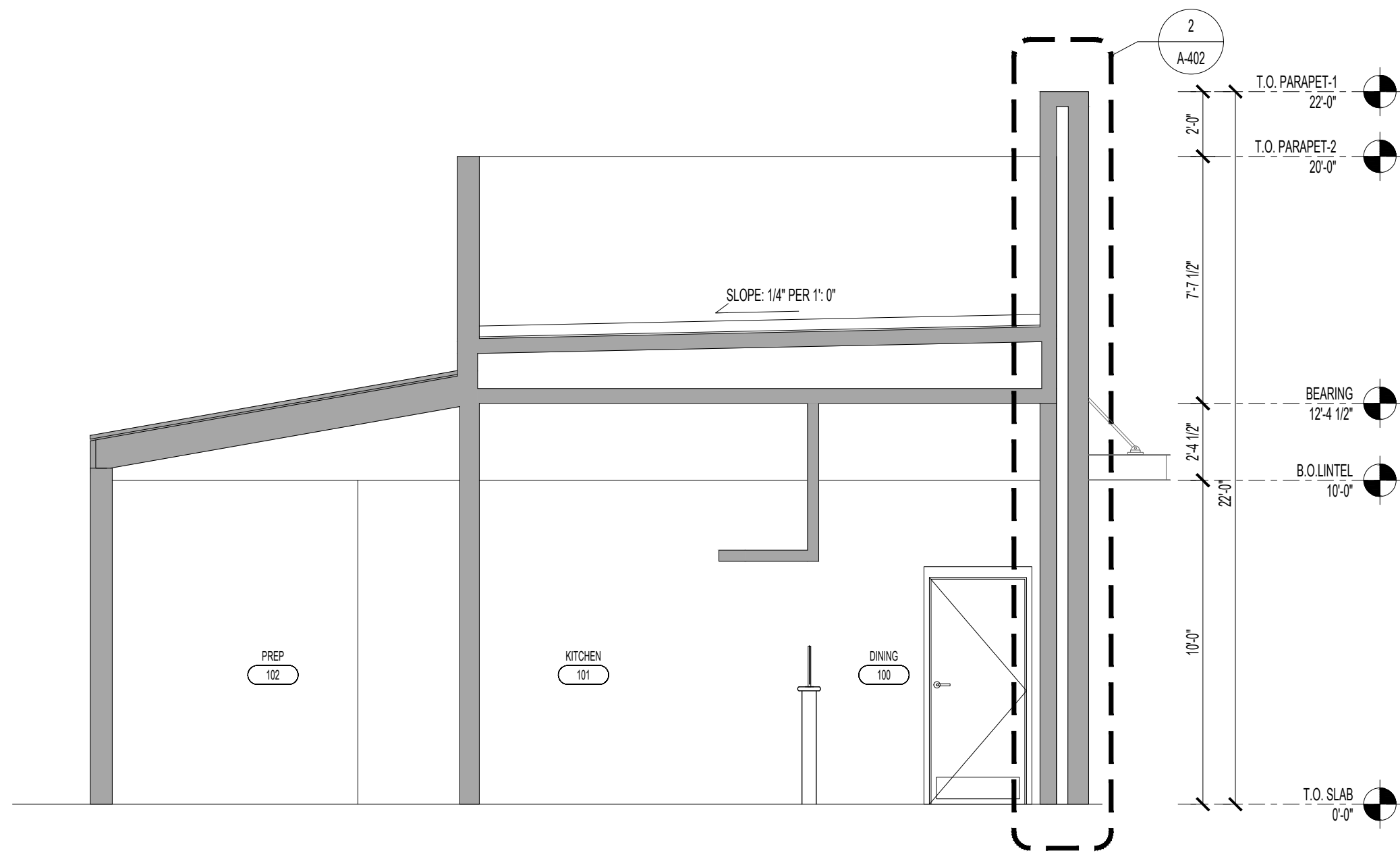
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

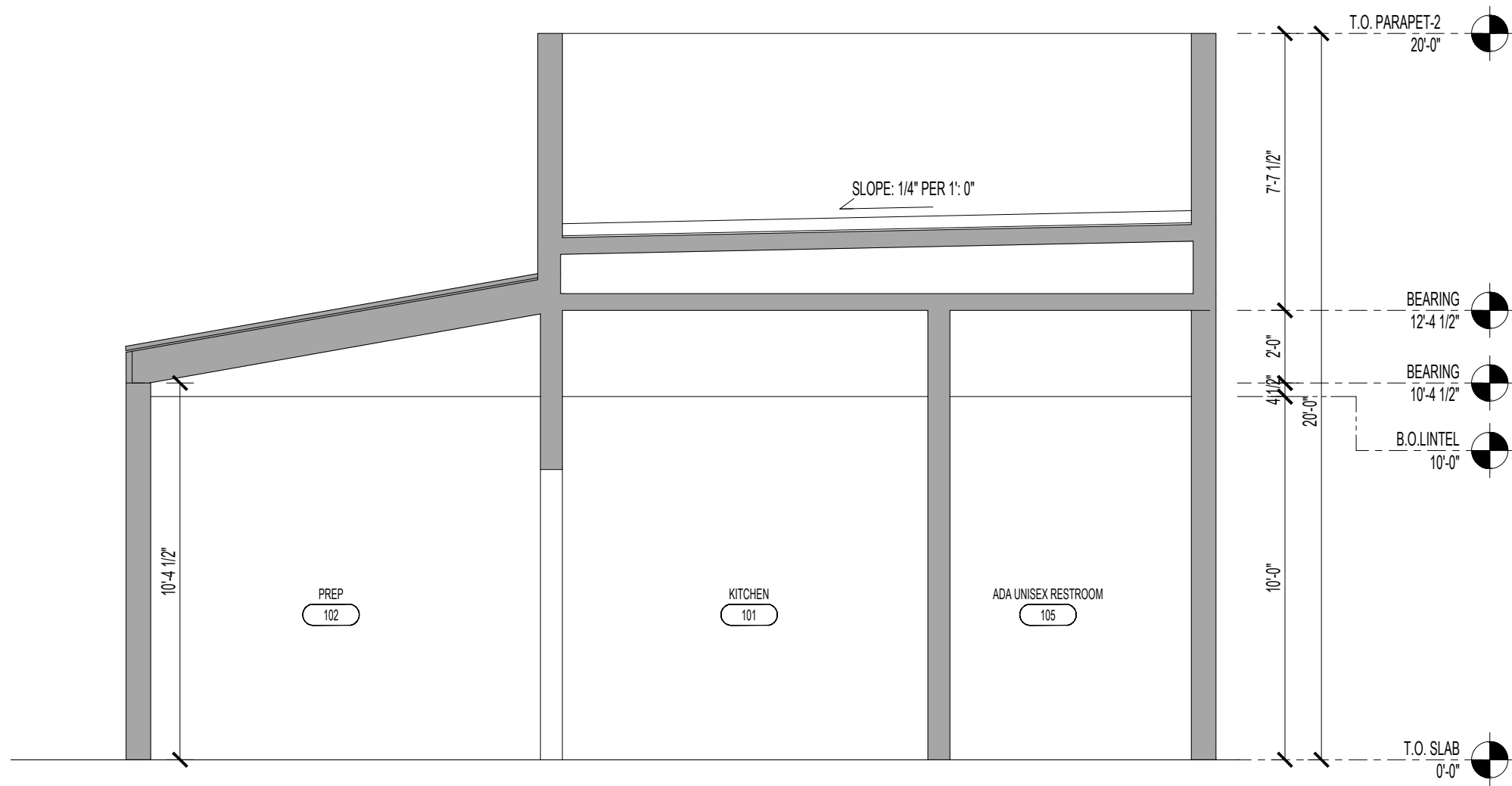
EXTERIOR
ELEVATIONS

SHEET NUMBER:

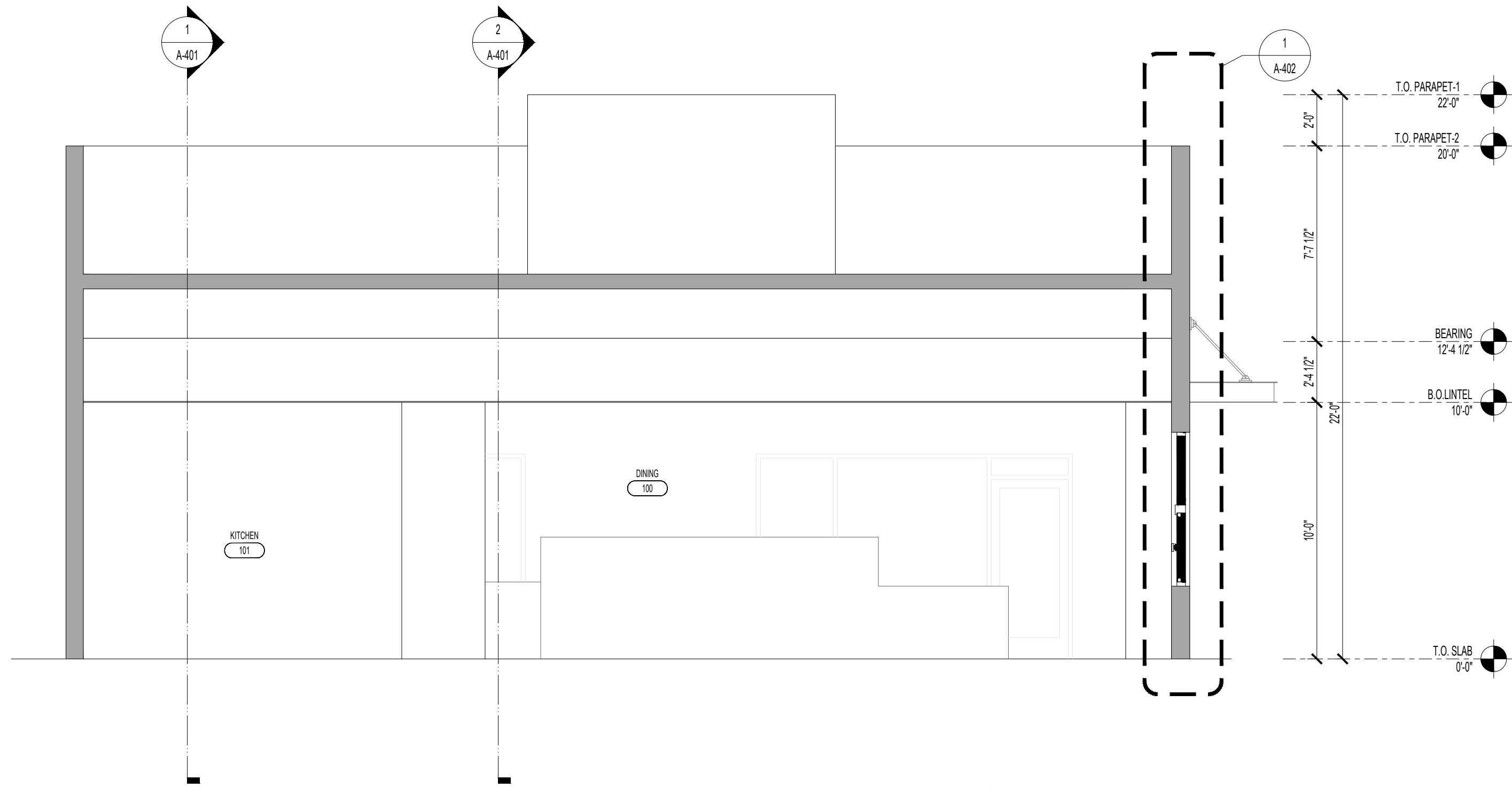
A-301



3 SECTION-3
SCALE: 1/4"=1'-0"



2 SECTION-2
SCALE: 1/4"=1'-0"



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

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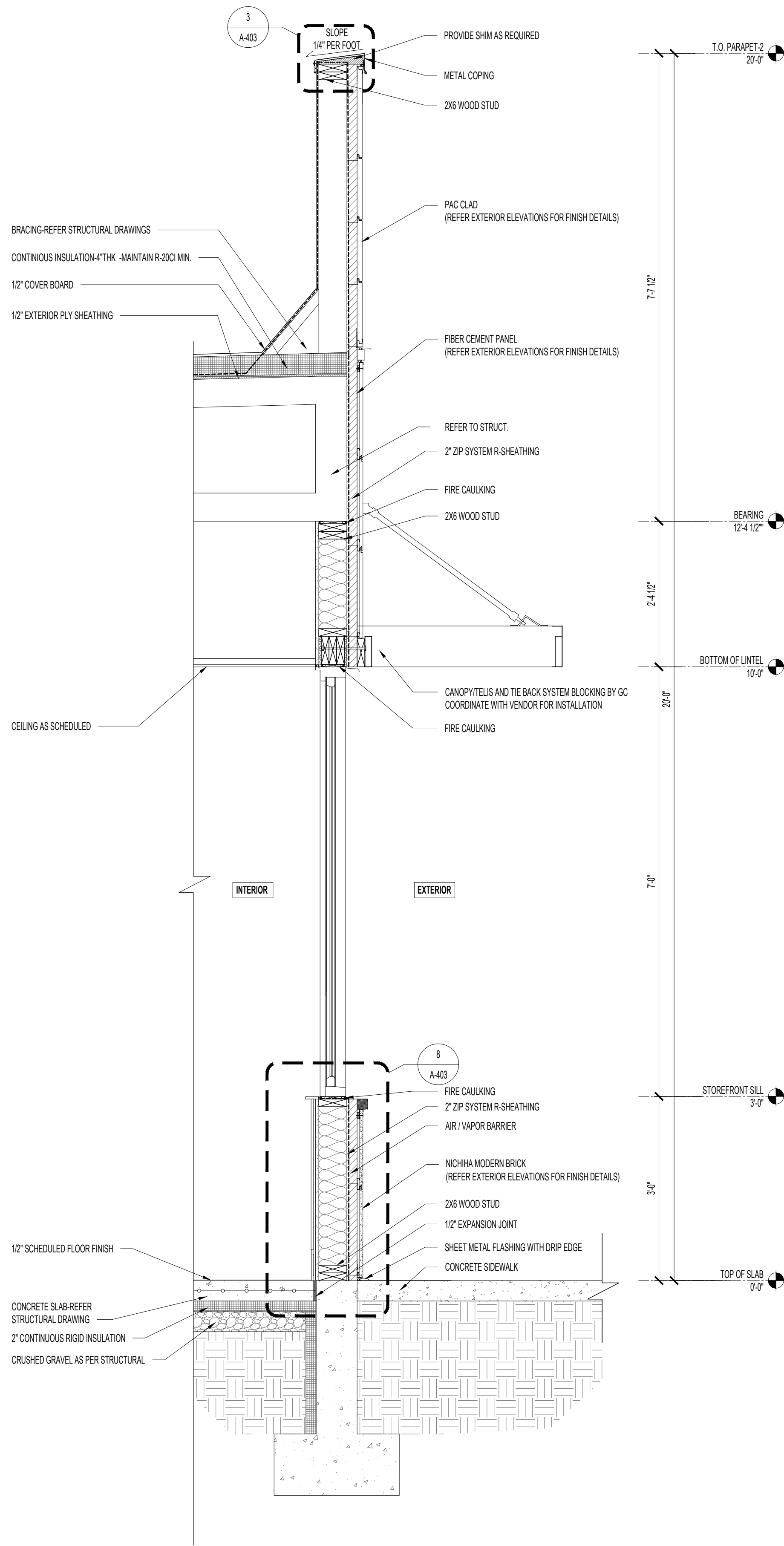
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

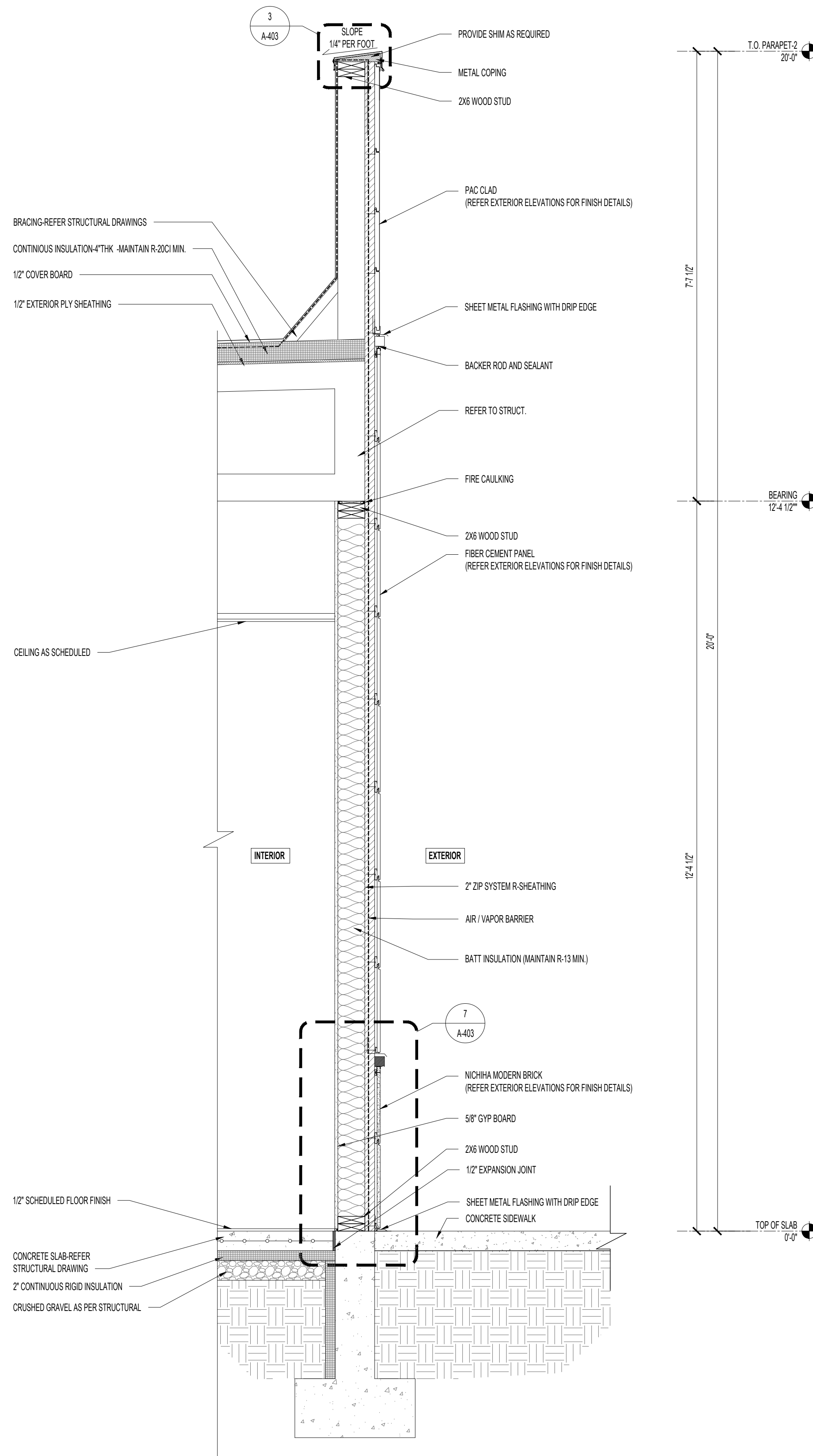
**BUILDING
SECTIONS**

SHEET NUMBER:

A-302



2 WALL SECTION@ STOREFRONT DINING
SCALE: 3/4"=1'-0"



1 WALL SECTION
SCALE: 3/4"=1'-0"

GENERAL NOTES	
A.	REFER TO DOOR AND WINDOW SCHEDULE ON SHEET A-805 FOR ADDITIONAL INFORMATION ON GLAZING, FINISH, AND DETAILS FOR OPENINGS.
B.	REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL FRAMING MEMBER SIZES AND SPACING.
C.	PROVIDE ADEQUATE BLOCKING, BACKING, OR OTHER REINFORCING NECESSARY FOR WALL- AND CEILING-MOUNTED ITEMS. COORDINATE BLOCKING WITH VENDORS.
D.	IN NORTHERN CLIMATES, CONTINUOUS VAPOR BARRIERS TO BE INSTALLED ON INSIDE FACE OF FRAMING. REFER TO SECTION 07.2810.
E.	ALL WELDS TO BE GROUND SMOOTH AND FLUSH.

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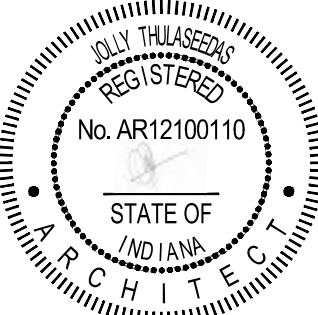
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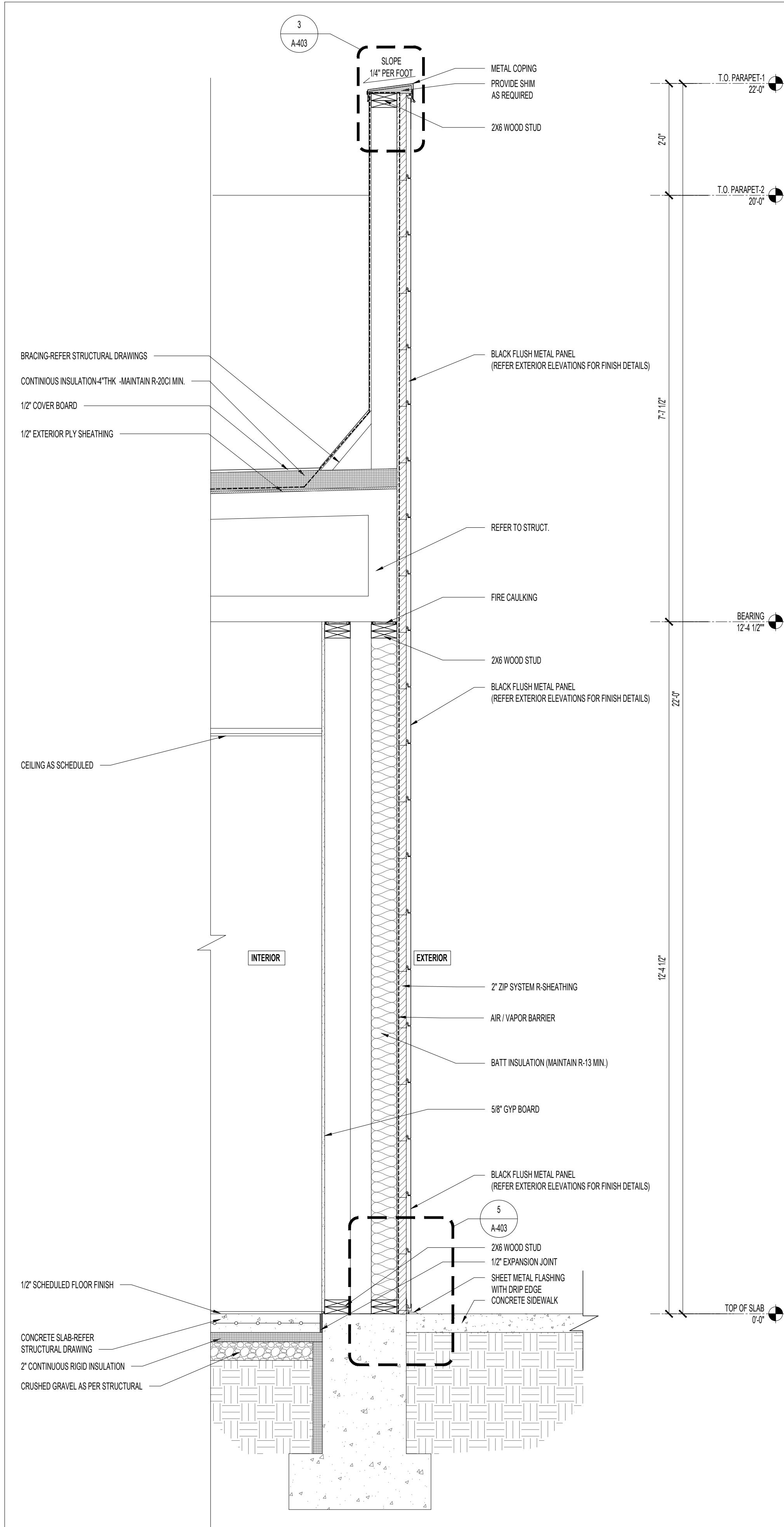
Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

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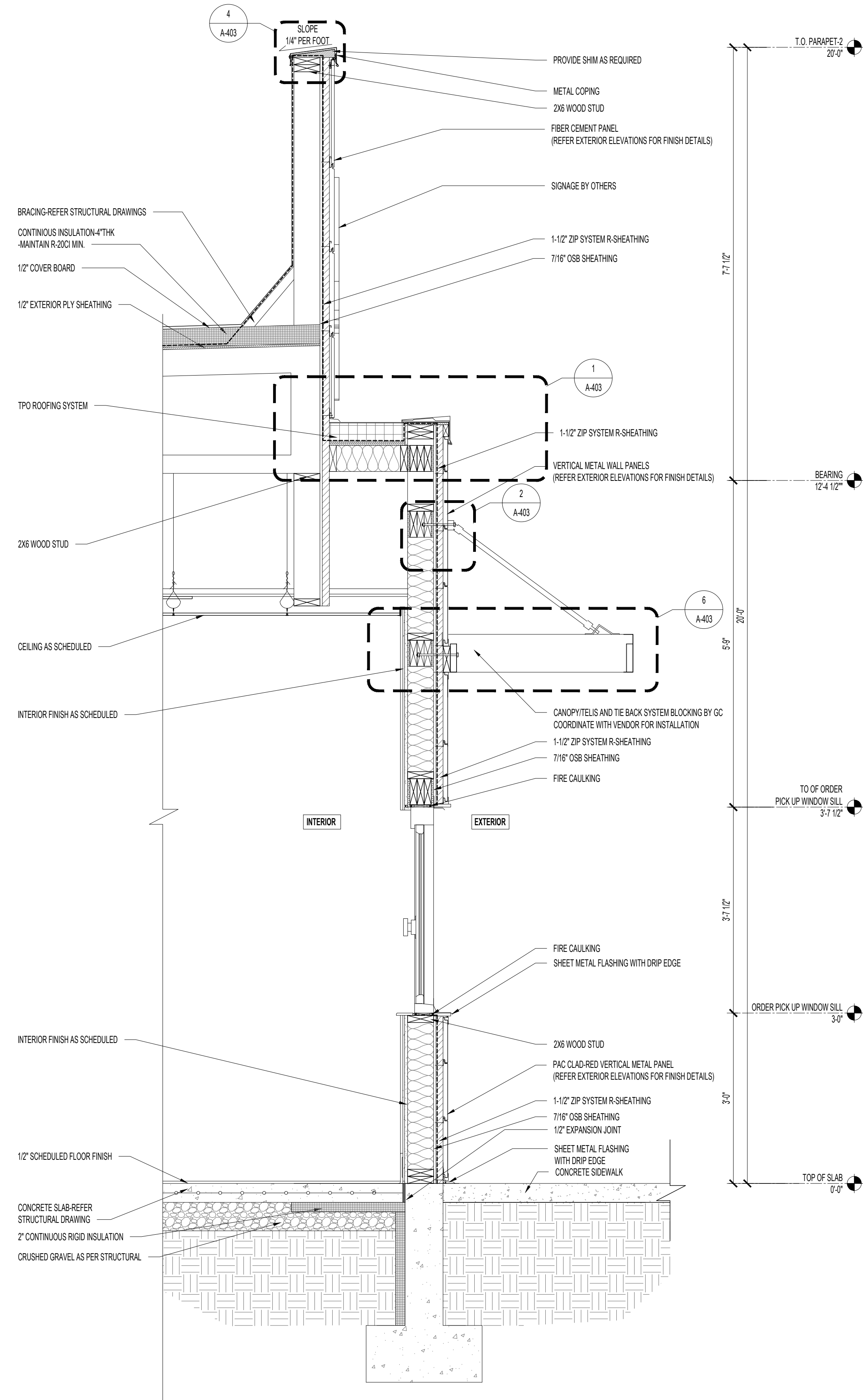
WALL SECTIONS

SHEET NUMBER:

A-401



2 WALL SECTION@ CAVITY WALL
SCALE: 3/4"=1'-0"



1 WALL SECTION@ ORDER PICK UP WINDOW
SCALE: 3/4"=1'-0"

- GENERAL NOTES
- A. REFER TO DOOR AND WINDOW SCHEDULE ON SHEET A-805 FOR ADDITIONAL INFORMATION ON GLAZING, FINISH, AND DETAILS FOR OPENINGS.
 - B. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL FRAMING MEMBER SIZES AND SPACING.
 - C. PROVIDE ADEQUATE BLOCKING, BACKING, OR OTHER REINFORCING NECESSARY FOR WALL- AND CEILING-MOUNTED ITEMS. COORDINATE BLOCKING WITH VENDORS.
 - D. IN NORTHERN CLIMATES, CONTINUOUS VAPOR BARRIERS TO BE INSTALLED ON INSIDE FACE OF FRAMING. REFER TO SECTION 07 2810.
 - E. ALL WELDS TO BE GROUND SMOOTH AND FLUSH.

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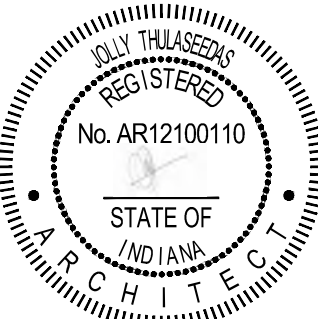
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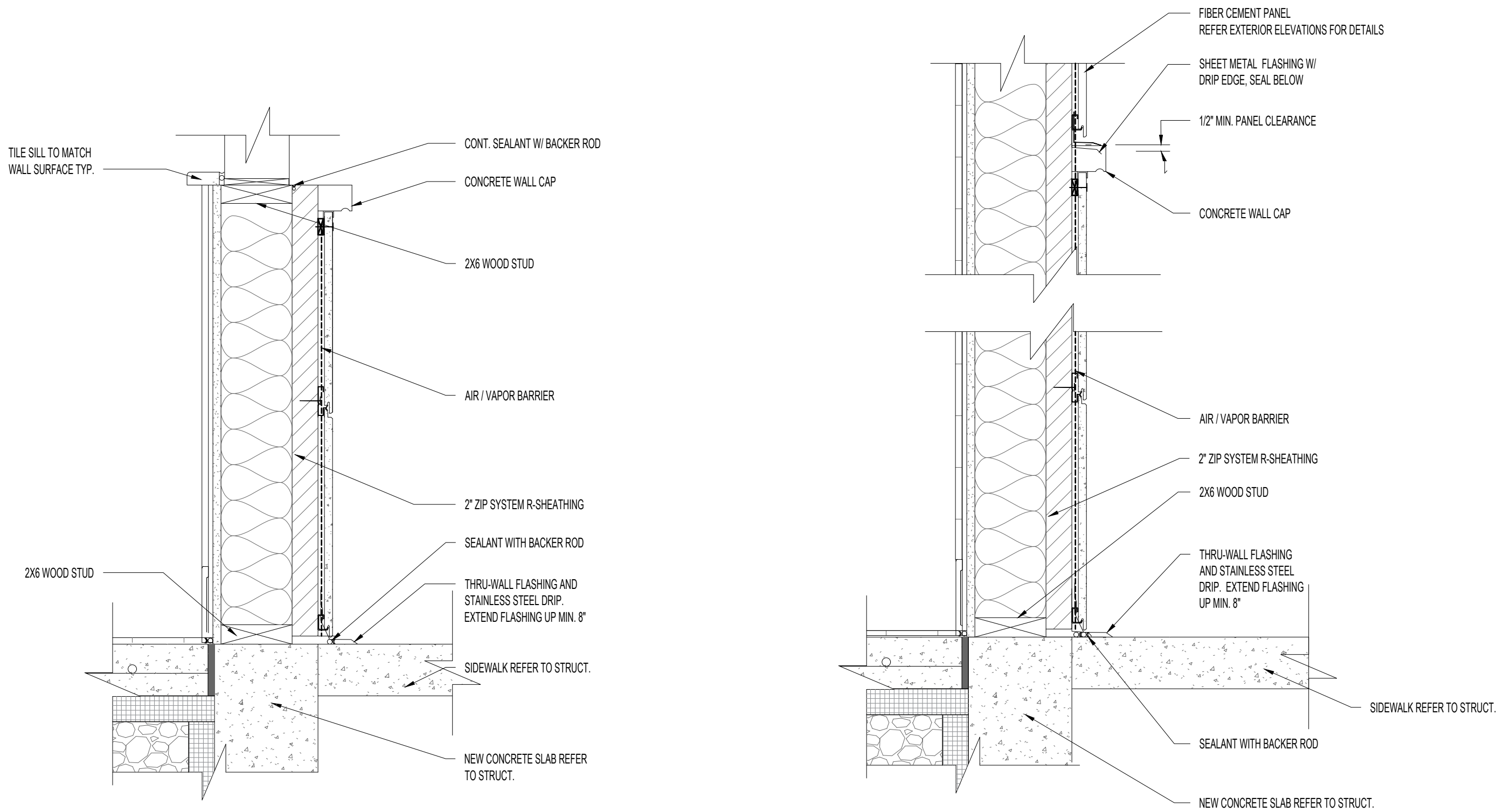
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Reviewed By: SK
Project Number: SKB-25-0111

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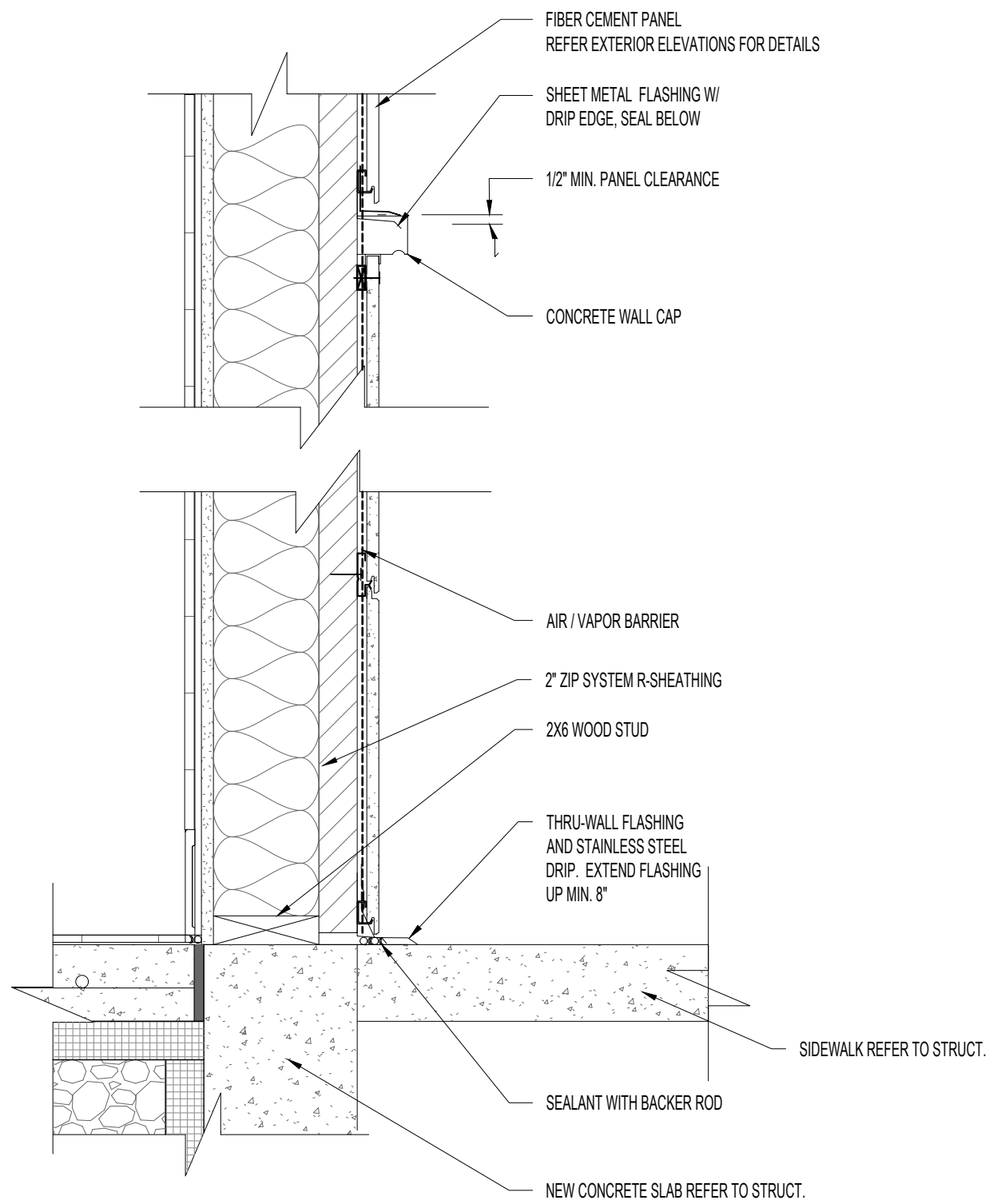
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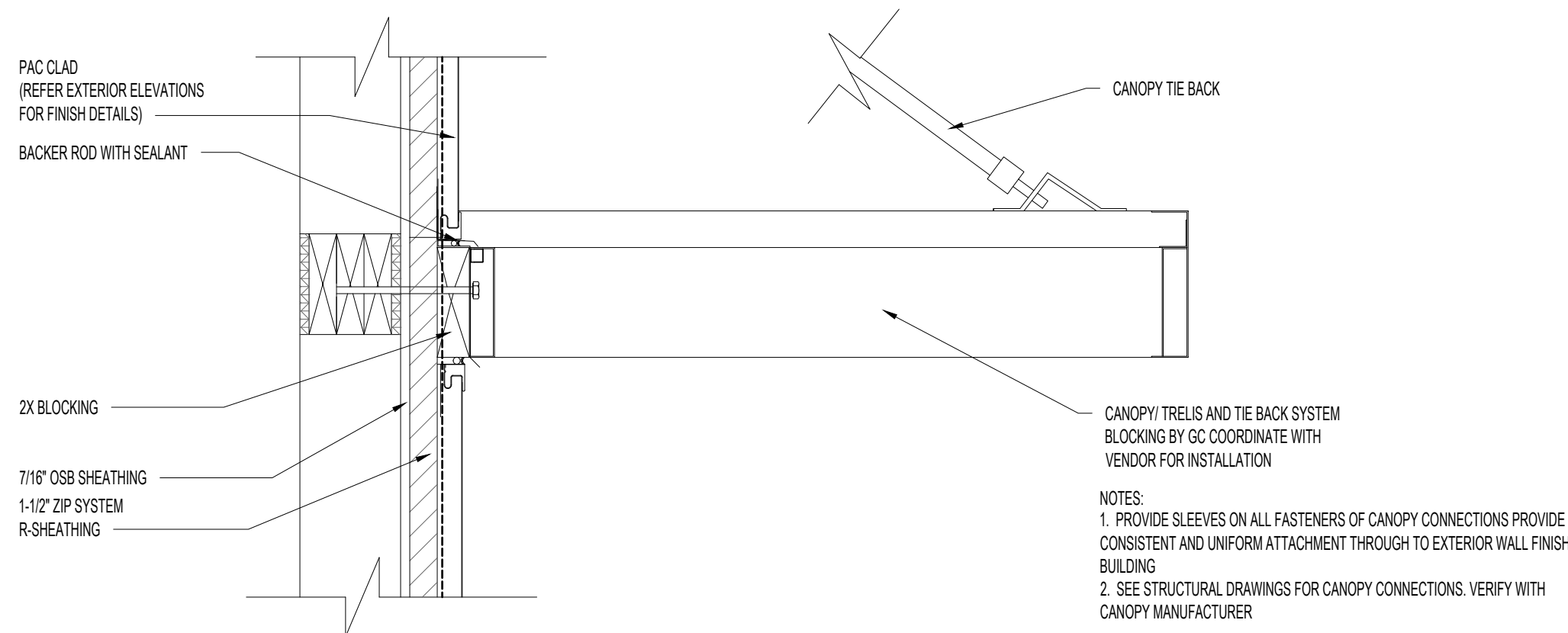
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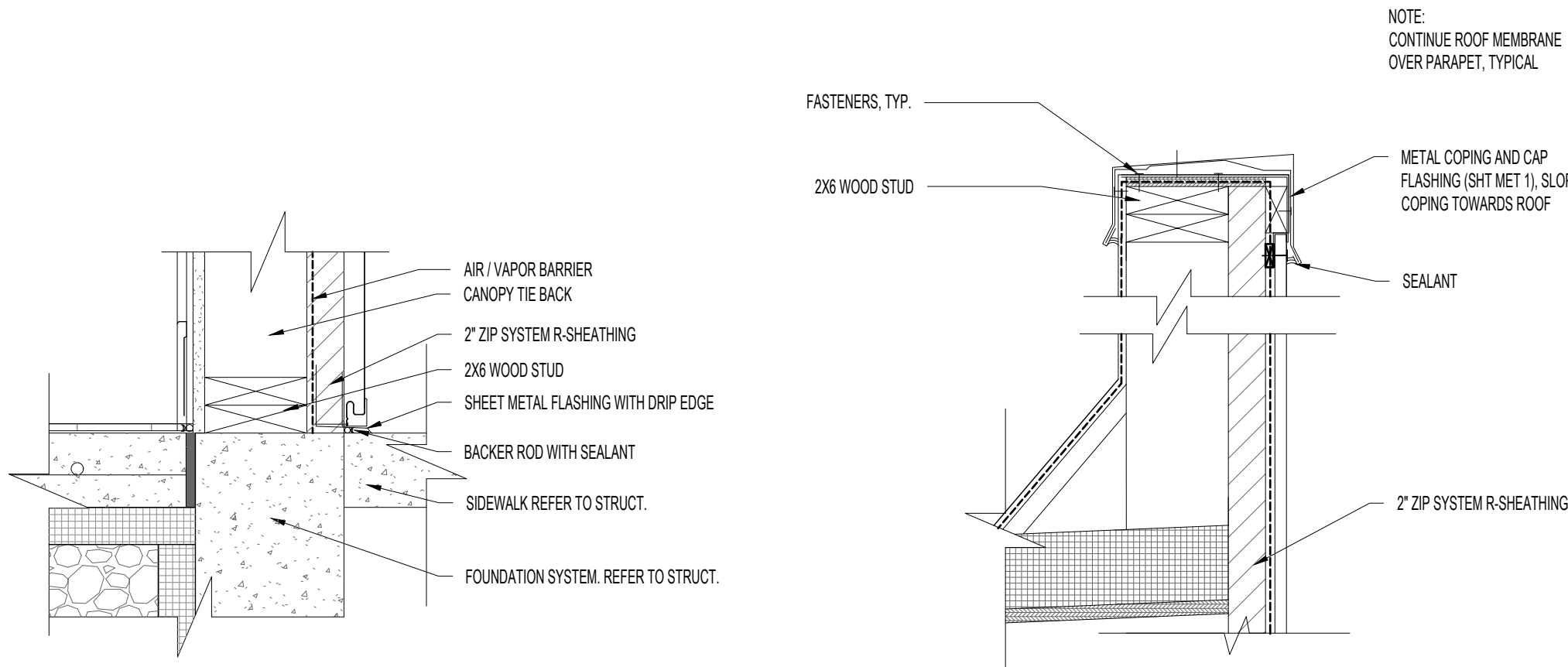
8 **WAINSCOT DETAIL**
SCALE: 1-1/2"=1'-0"



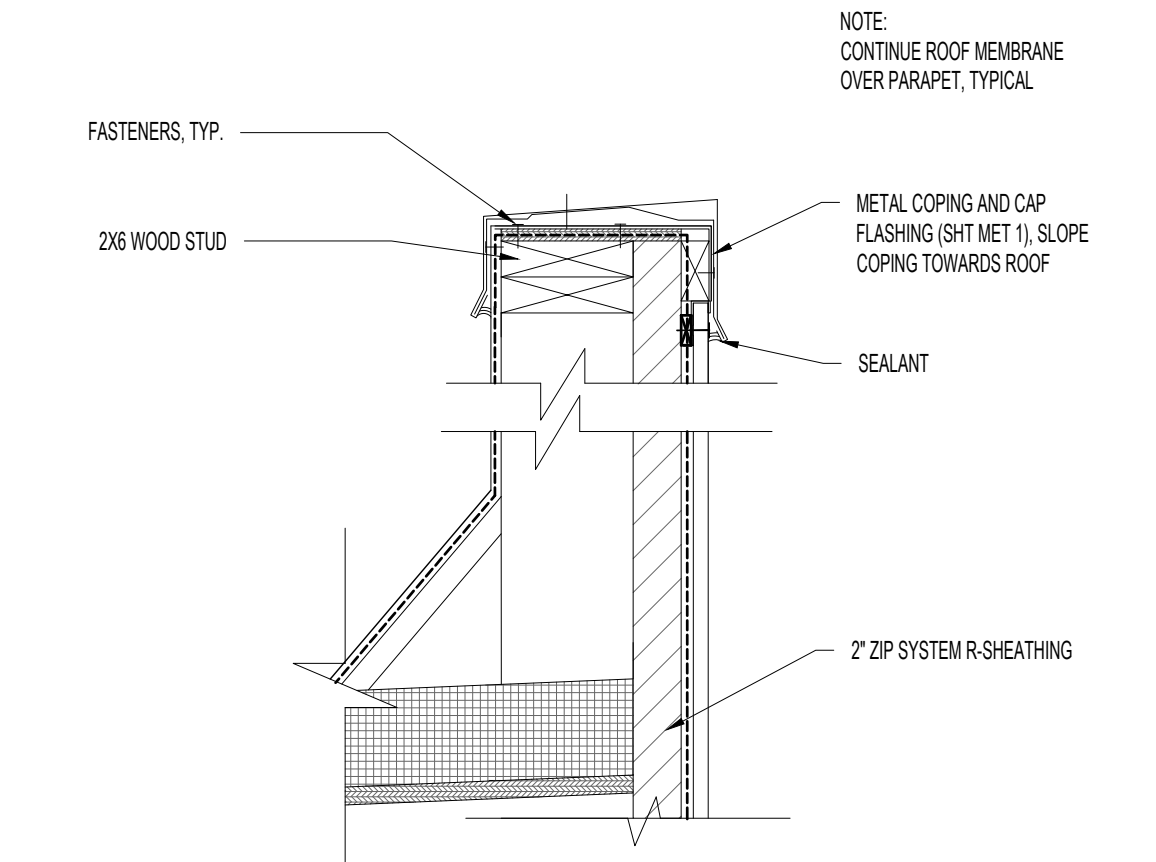
7 **NICHIHATRANSITION DETAIL**
SCALE: 1-1/2"=1'-0"



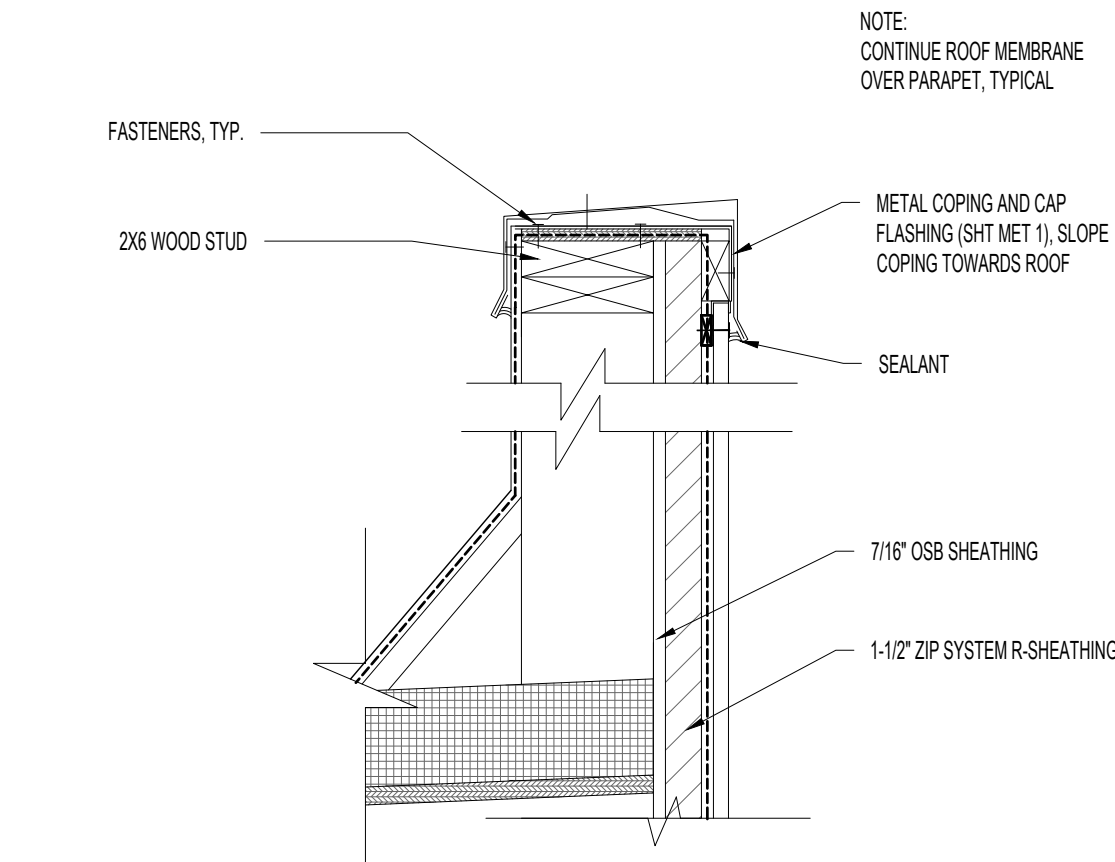
6 **CANOPY DETAIL**
SCALE: 1-1/2"=1'-0"



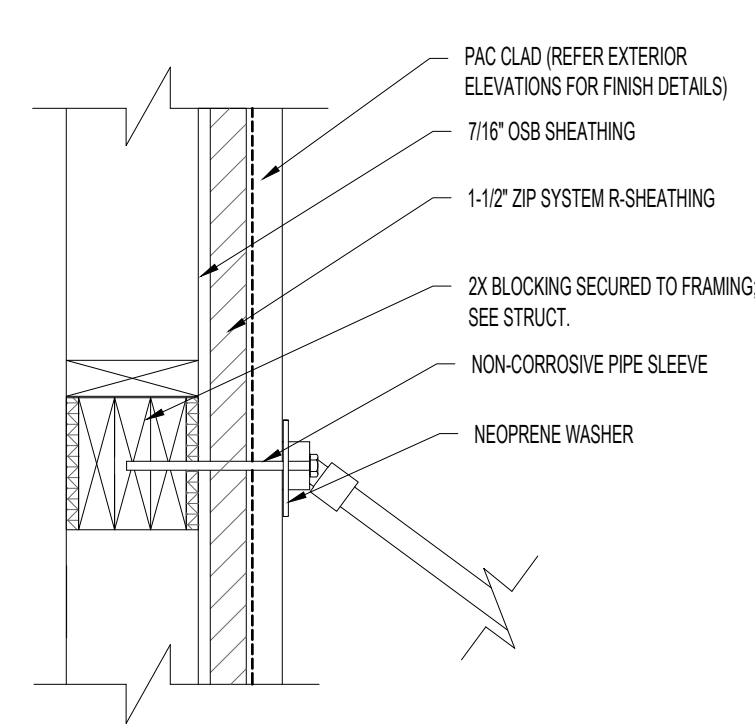
5 **DETAIL**
SCALE: 1-1/2"=1'-0"



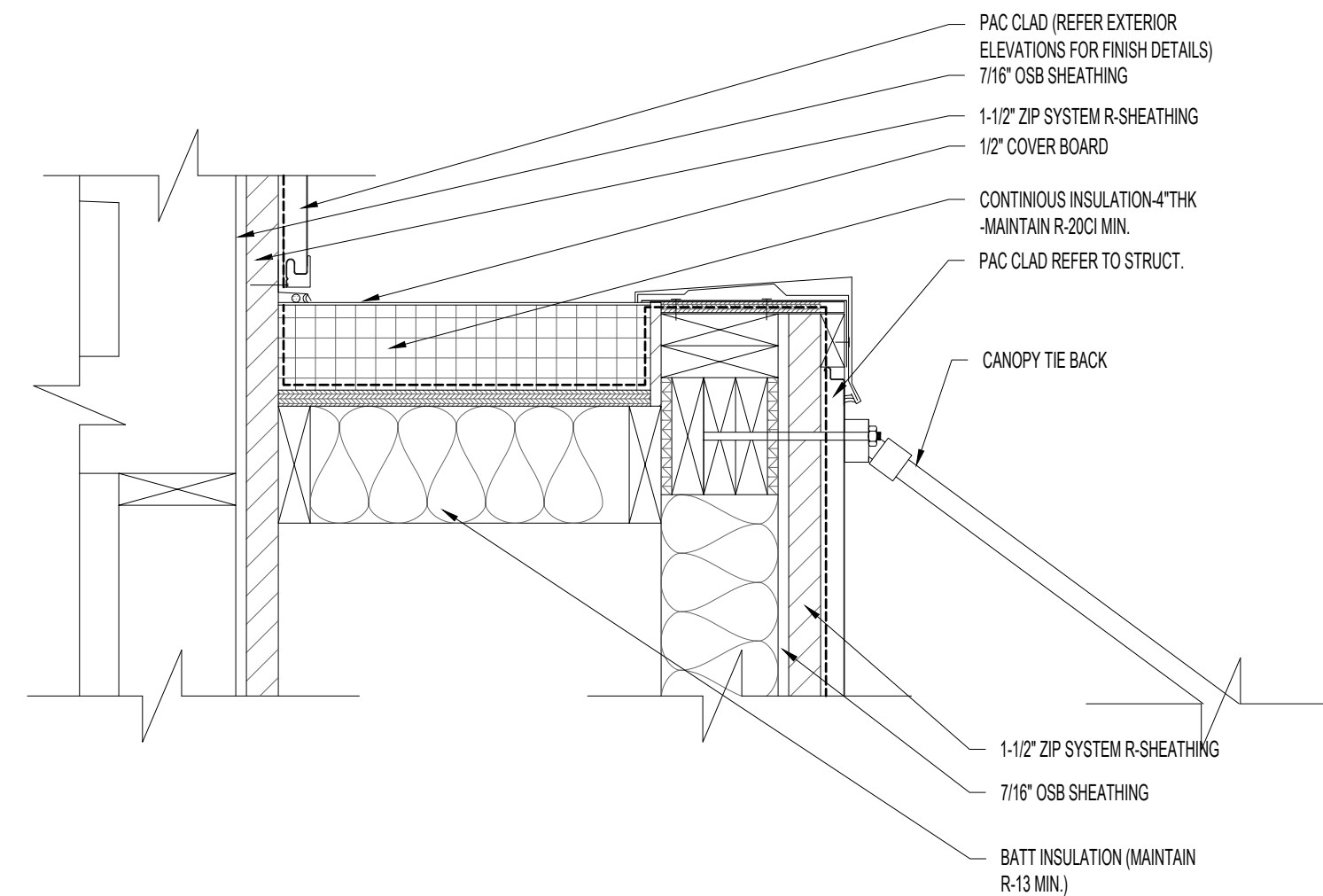
4 **COPING DETAIL @ PARAPET**
SCALE: 1-1/2"=1'-0"



3 **COPING DETAIL @ PARAPET**
SCALE: 1-1/2"=1'-0"



2 **TIE-BACK DETAIL**
SCALE: 1-1/2"=1'-0"



1 **WALL TRANSITION DETAIL**
SCALE: 1-1/2"=1'-0"

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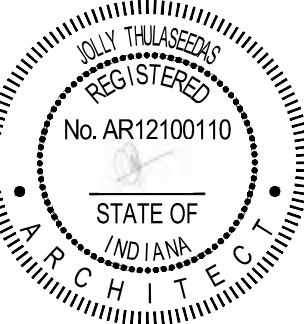
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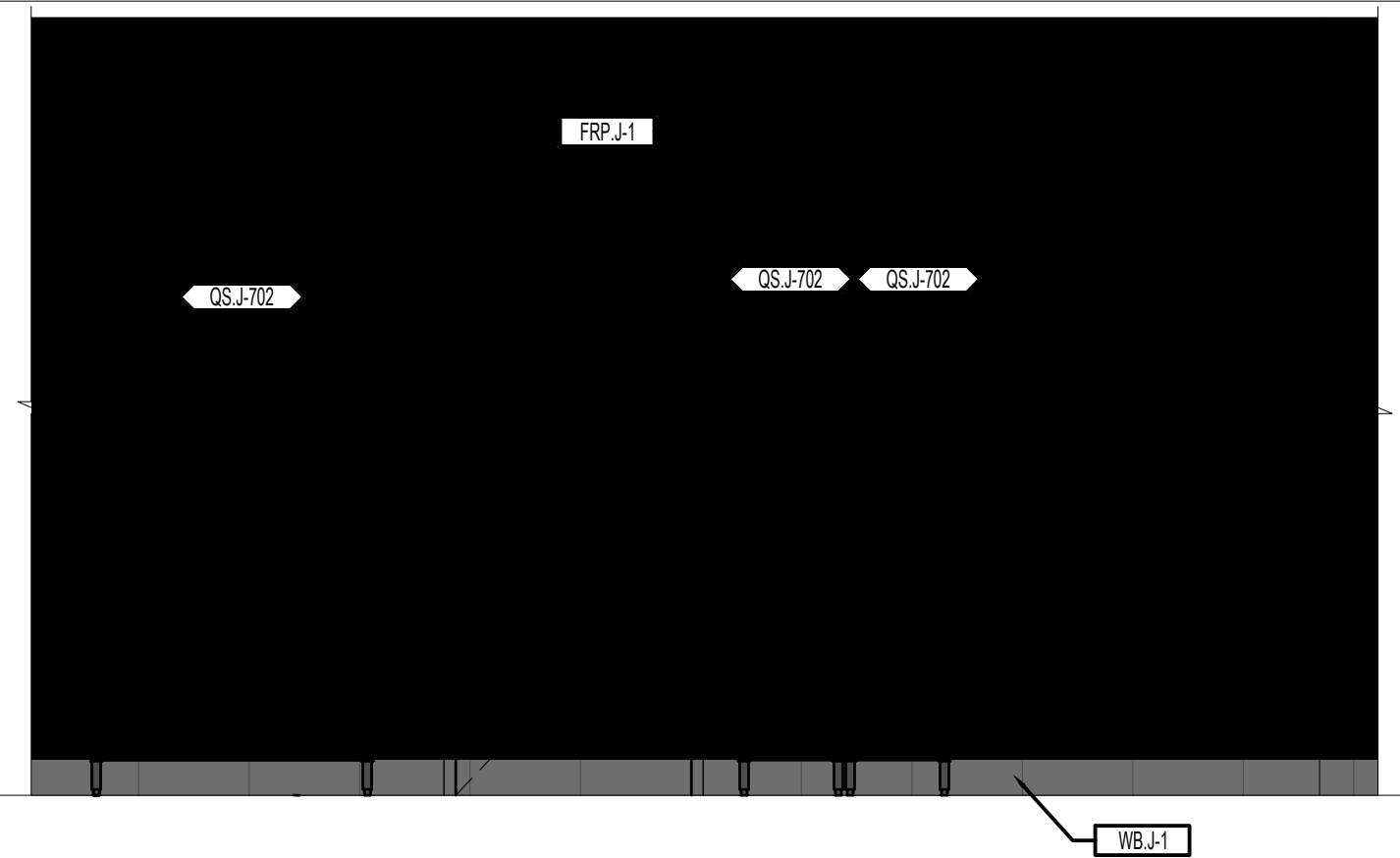
Drawn / Designed By: SK
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

**CALLOUT &
SECTION
DETAILS**

SHEET NUMBER:

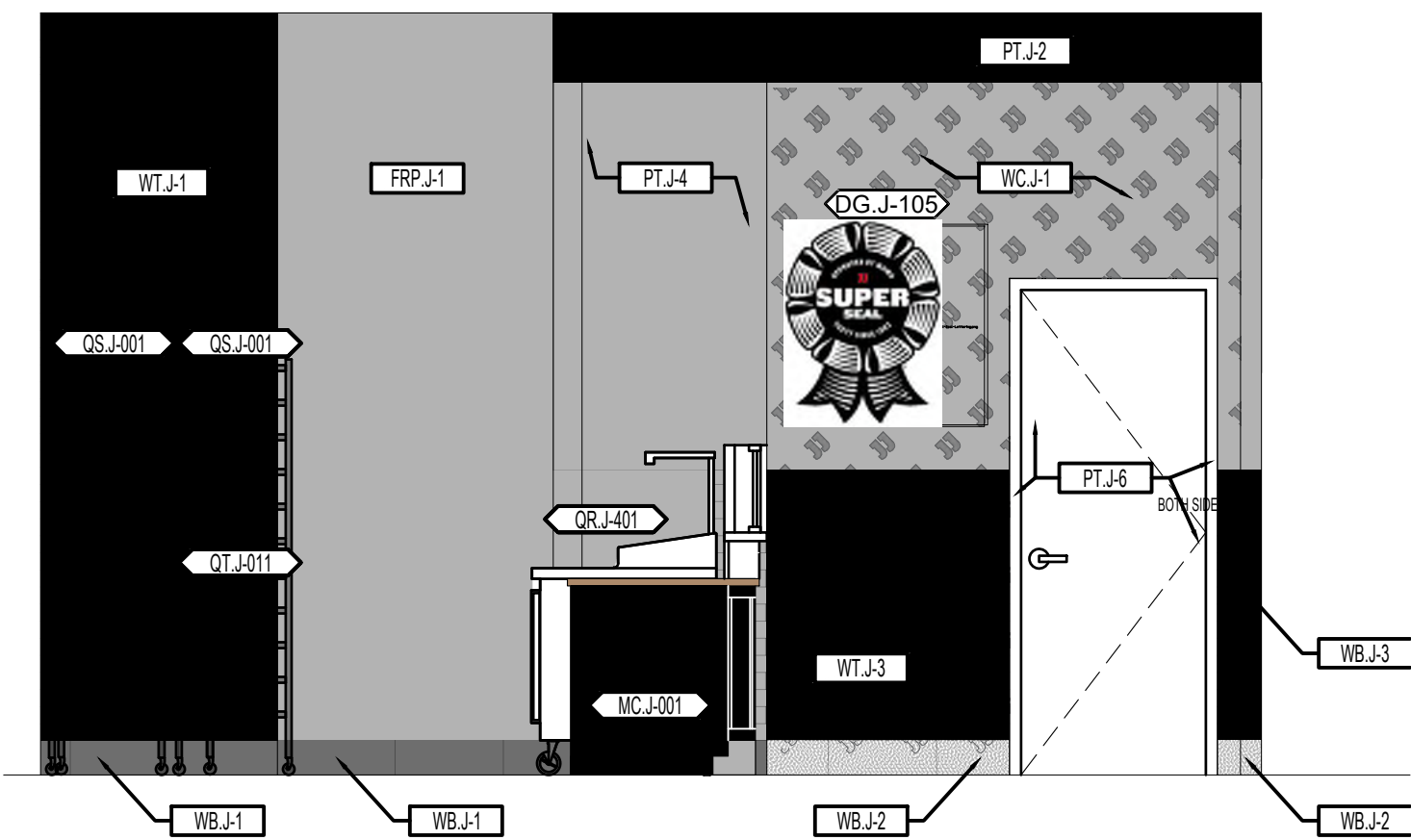
A-403



8 KITCHEN

SCALE: 3/8"=1'-0"

SCALE: 3/8"=1'-0"



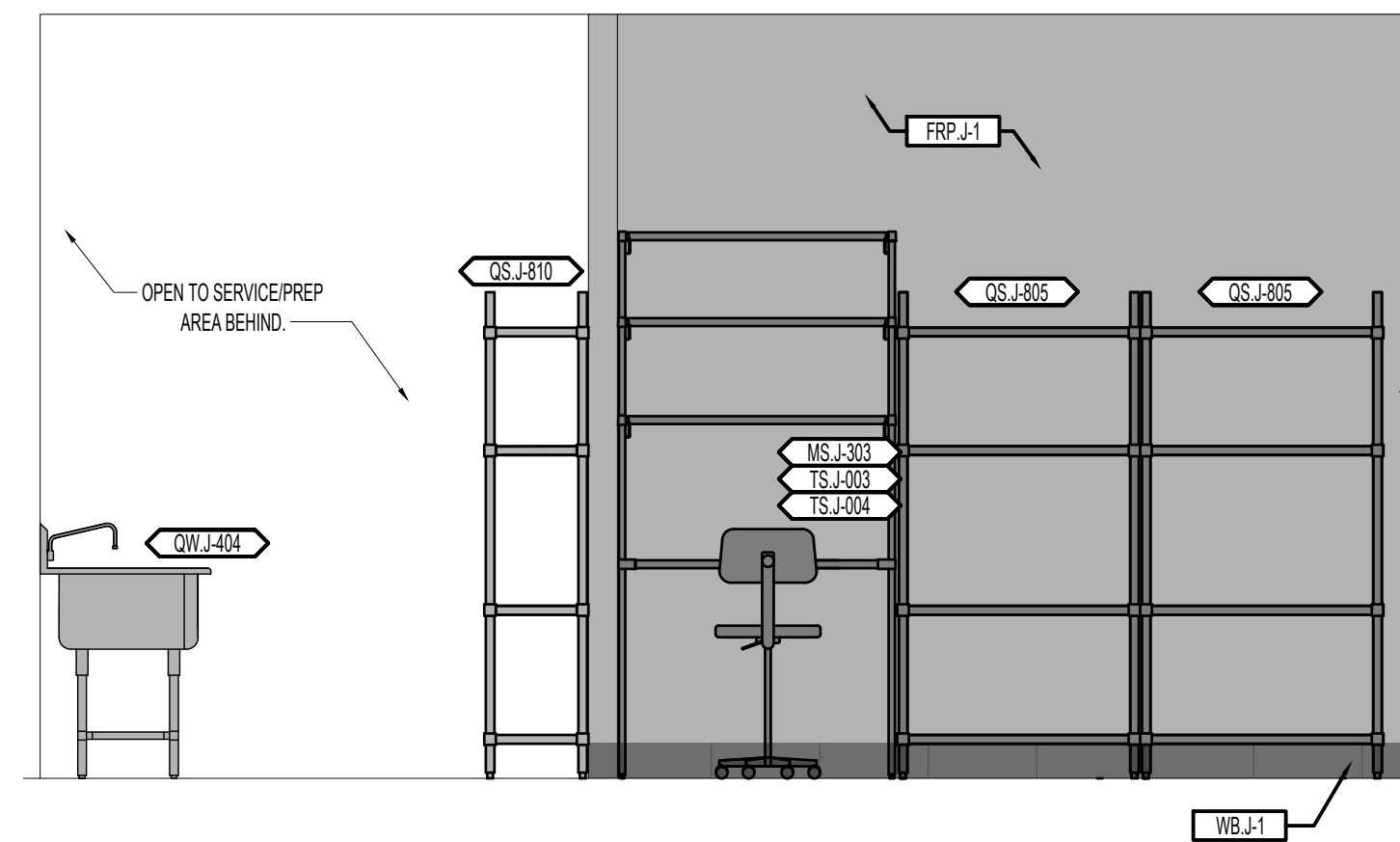
4 KITCHEN

SCALE: 3/8"=1'-0"



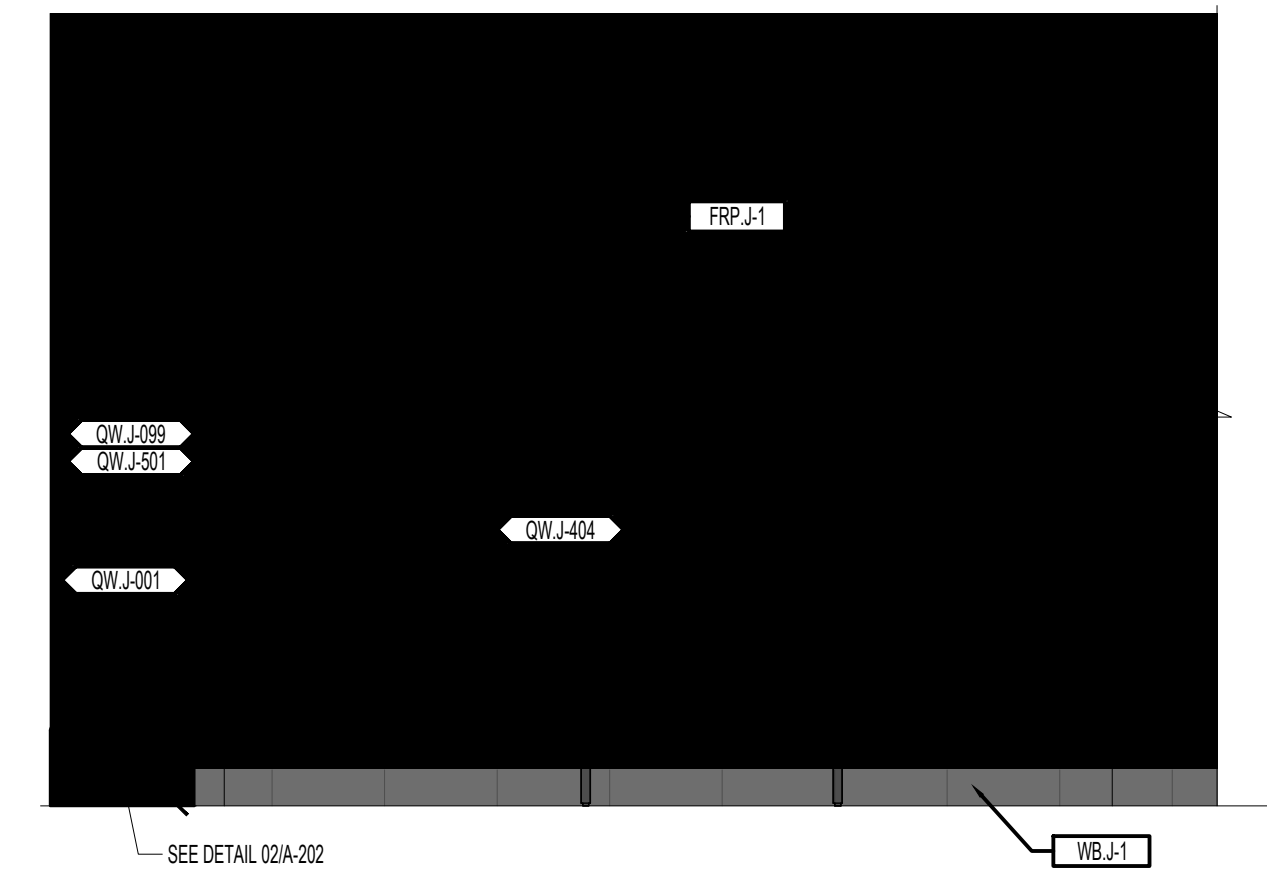
5 KITCHEN

SCALE: 3/8"=1'-0"



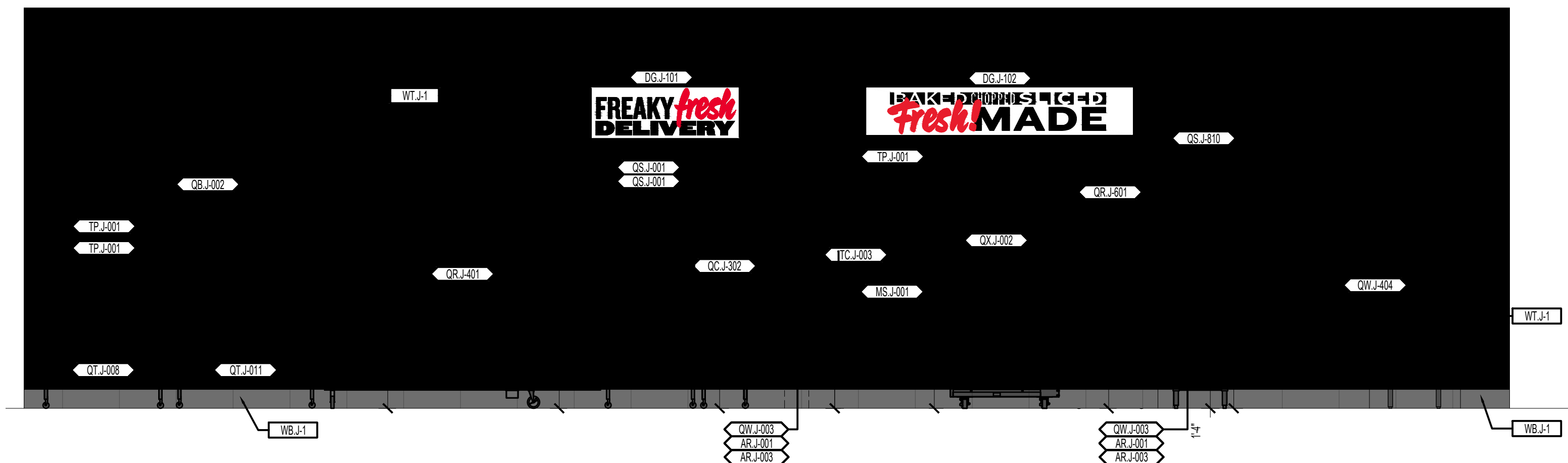
6 KITCHEN

SCALE: 3/8"=1'-0"



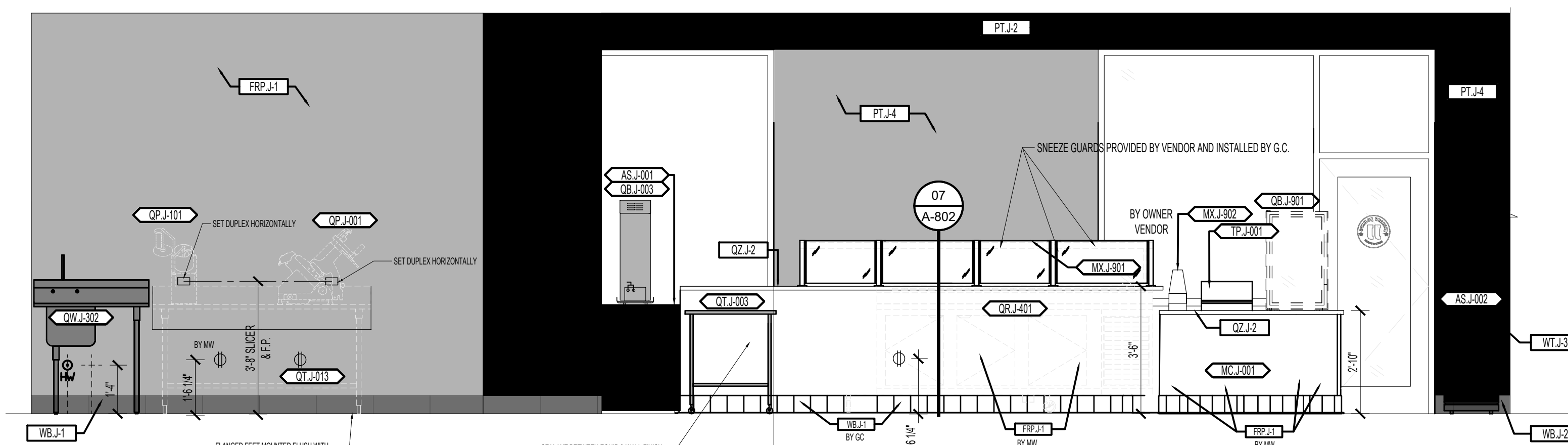
7 KITCHEN

SCALE: 3/8"=1'-0"



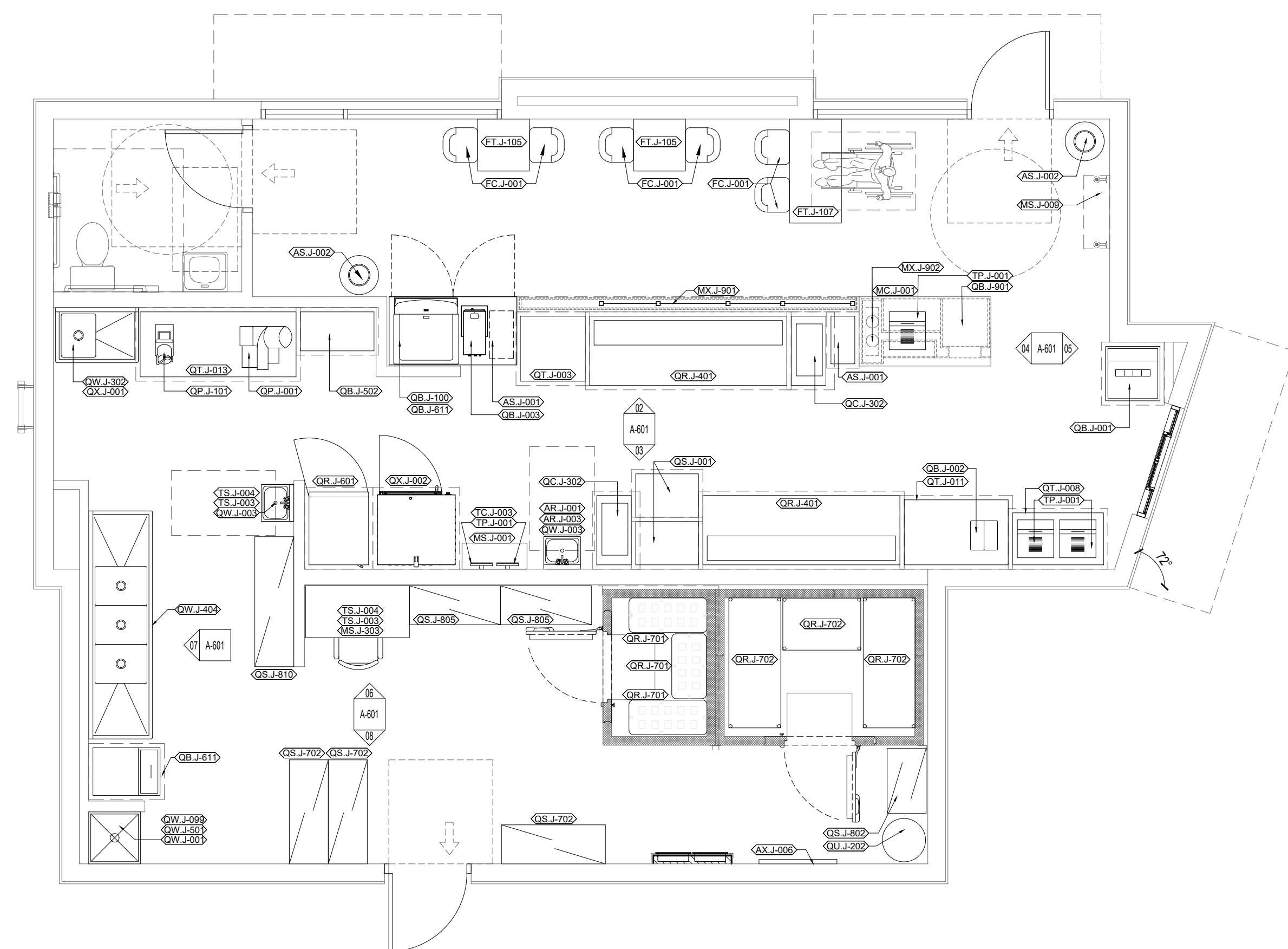
2 KITCHEN

SCALE: 3/8"=1'-0"



2 KITCHEN

SCALE: 3/8"=1'-0"



1 EQUIPMENT PLAN

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

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E PLAINES, IL 60016
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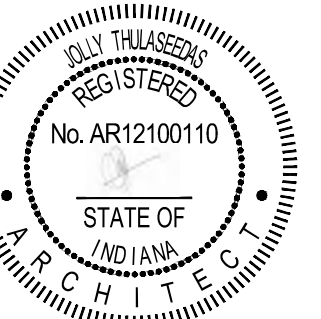
CONSULTANT

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2025 KP&J Architects & Engineers

[illegible]

DATE: 08/01/2025
EXP.: 12/31/2025

DESIGN PROFESSIONAL SEAL

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Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

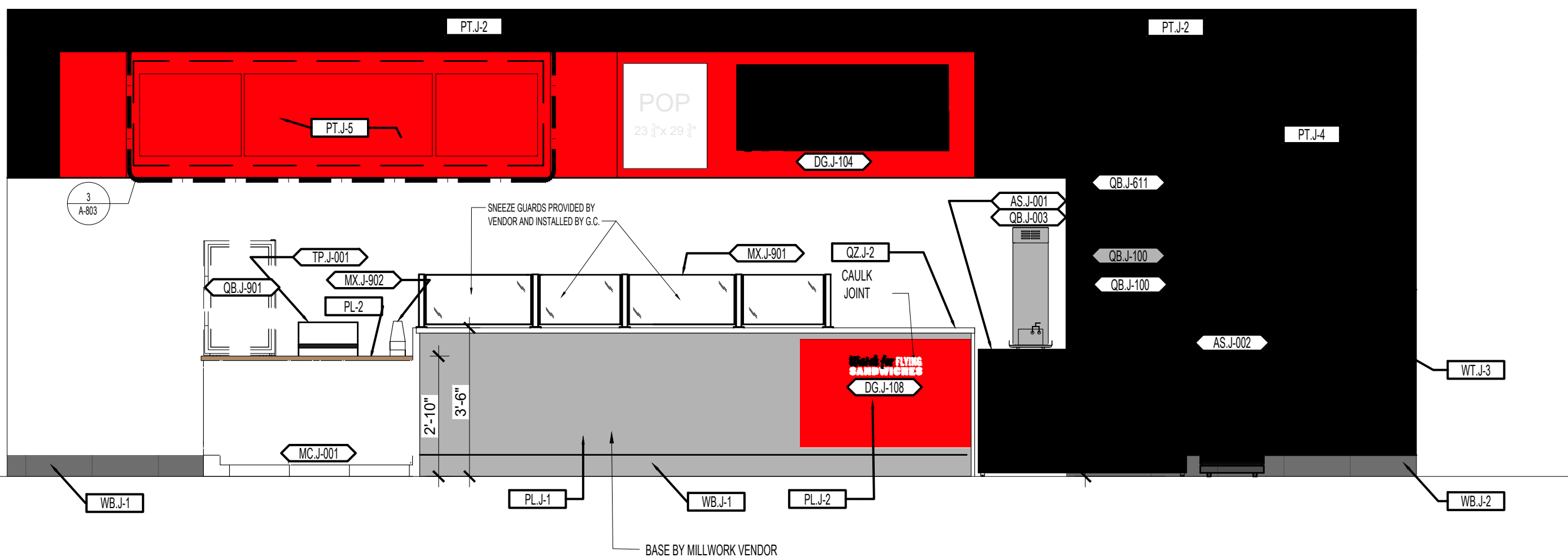
EQUIPMENT PLAN & ELEVATIONS

SHEET NUMBER:

A-601

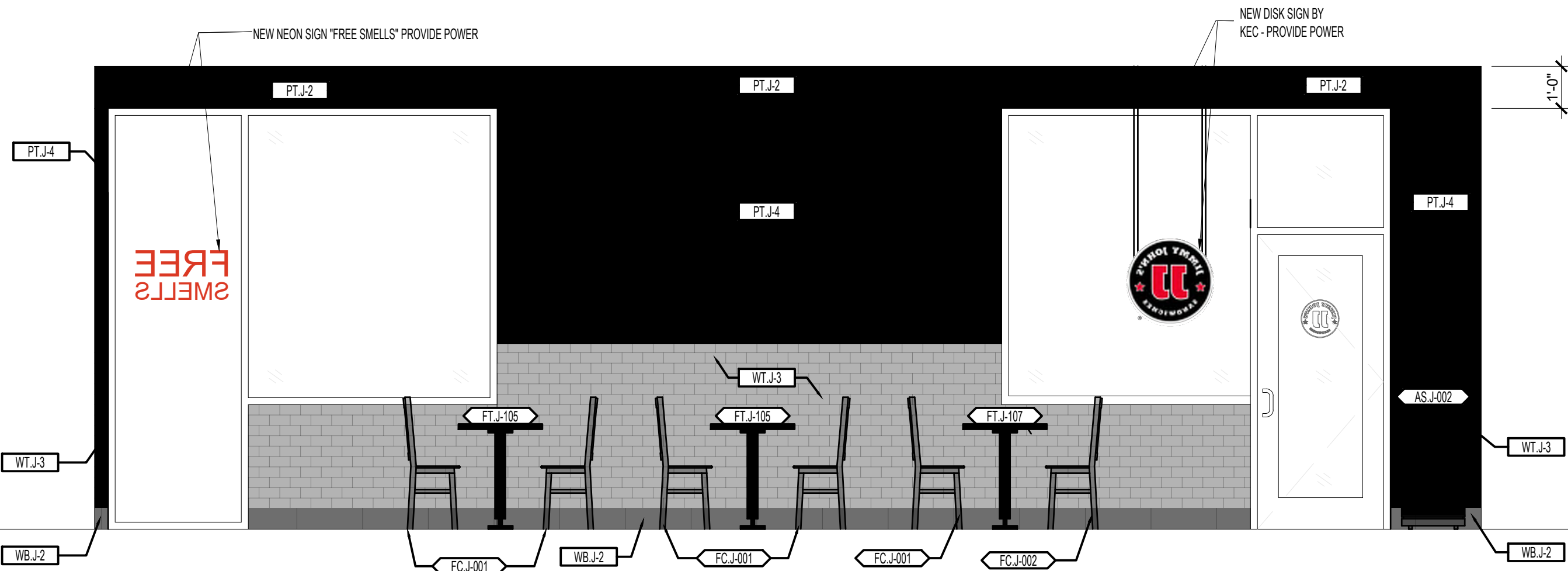
JIMMY JOHNS PROTOTYPE VERSION: V23.1.0									
FIXTURE AND EQUIPMENT SCHEDULE									
JJ EQUIP. NO.	EQUIPMENT NAME	MANUFACTURER	FIXTURE & EQUIPMENT PLAN NOTES:	FRANCHISEE	CONTRACTOR	LANDLORD	ELEC. REQ.	PLUMB. REQ.	MECH. REQ.
TX.J-101	READY ACCESS 80-10 DRVE-UP WINDOW W/ AUTO. ELEC. LIGHT BEAM	READY ACCESS	DRVE THRU WINDOW OPTION - SEE DETAILS	X	X	X	X		
TX.J-102	READY ACCESS 131 DRIVE-UP WINDOW W/ AUTO. ELEC. LIGHT BEAM	READY ACCESS	SEE DETAILS A002 AND MEP DRAWINGS	X	X	X	X		
TX.J-103	READY ACCESS 600 SERIES DRIVE-UP WINDOW W/ AUTO. ELEC. LIGHT BEAM	READY ACCESS	DRVE THRU WINDOW OPTION - SEE DETAILS	X	X	X	X		
TP.J-001	POS TERMINAL	-	120V (INSTALL DATA/POWER OUTLETS INSIDE CABINET)	X	X		X		
TP.J-601	CASH DRAWER	-	-	X	X				
TC.J-003	AVAYA 2554 FEATURE PHONE	AVAYA	REFER TO ELECTRICAL DRAWINGS	X	X		X		
MS.J-001	DRMER SHELF	MID-WEST	PROVIDE SOLID BLOCKING- SEE ELEVATIONS & DETAIL A501	X	X				
QW.J-099	MOP RACKS	KEC		X	X				
MC.J-001	34" HIGH CASH MILLWORK & COUNTER W/ CHIP DRAWERS	MID-WEST	REFER TO CABINET DRAWINGS	X	X		X		
MW.J-002	42" and 48" HIGH HALF WALL MILLWORK	MID-WEST	REFER TO CABINET DRAWINGS	X	X		X		
MS.J-303	DESK AND SHELVES	QUANTUM	PROVIDED BY KEC EQUIPMENT	X			X		
QU.J-102	WATER HEATER	RINNAI		X			X	X	
QB.J-100	ICE/BEVERAGE UNIT COUNTERTOP STYLE	-	120V - CORD AND PLUG (C&P) (INSTALL OUTLET IN CABINET) REFER TO PLUMBING DRAWINGS	X			X	X	
QB.J-001	FREESTANDING ICE/BEVERAGE UNIT	LANCER 2300	120V - CORD AND PLUG (C&P)-(INSTALL OUTLET ON WALL NEAR MACHINE. SEE SHEET E-1) COKE TO PROVIDE S/S STAND	X			X	X	
QB.J-901	IDW WATER COOLER	IDW	BELOW FRONT COUNTER - 115V	X			X		
MX.J-901	SNEEZE GUARD	CUSTOM	31"-24"-31" CONFIGURATION	X	X				
MX.J-902	CUP DISPENSERS	SAN JAMAR		X	X				
MX.J-903	TABLE MOUNTED CUP DISPENSERS	SAN JAMAR		X	X				
QS.J-001	SIDE LOADING BREAD RACK	KEC		X					
QS.J-002	END LOADING BREAD RACK	PIPER PRODUCTS		X					
QR.J-401	91" REFRIG. PREP TABLE AND 12"x 91" S.S. OVERSHELF	KAIRAK	120V-1/2 HP	X			X		
QR.J-402	72" REFRIG. PREP TABLE AND 12"x 72" S.S. OVERSHELF	KAIRAK	120V-1/2 HP	X			X		
QT.J-301	STAINLESS 18"x30" S.S. TABLE	METRO		X					
QT.J-002	STAINLESS 24"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-003	STAINLESS 30"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-004	STAINLESS 36"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-005	STAINLESS 42"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-011	STAINLESS 48"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-001	STAINLESS 60"x30" S.S. TABLE	JOHN BOOS		X					
QT.J-006	STAINLESS 30"x30" S.S. DELIVERY TABLE	JOHN BOOS		X					
QT.J-007	STAINLESS 30"x60" S.S. DELIVERY TABLE	JOHN BOOS		X					
QT.J-008	STAINLESS 42"x24" S.S. TABLE W/ OVERSHELF	JOHN BOOS		X					
QT.J-009	STAINLESS 48"x24" S.S. TABLE W/ OVERSHELF	JOHN BOOS		X					
QT.J-010	STAINLESS 60"x24" S.S. TABLE W/ OVERSHELF	JOHN BOOS		X					
QT.J-012	STAINLESS 48"x30" SLICER TABLE	JOHN BOOS		X					
QT.J-001	STAINLESS 60"x30" SLICER TABLE	JOHN BOOS		X					
QT.J-013	STAINLESS 72"x30" SLICER TABLE	JOHN BOOS		X					
QT.J-014	STAINLESS 84"x30" SLICER TABLE	JOHN BOOS		X					
QT.J-015	STAINLESS 96"x30" SLICER TABLE	JOHN BOOS		X					
QX.J-001	5 DECK OVEN/PROOFER COMBINATION	PIPER PRODUCTS	208V - 3 PH. - WIRE TO DISCONNECT	X	X		X		
QX.J-002	4 DECK OVEN/PROOFER COMBINATION	PIPER PRODUCTS	208V - 3 PH. - WIRE TO DISCONNECT	X	X		X		
QX.J-003	STURDI-BILT EXHAUST CANOPY HOOD	-		X	X		X		
QB.J-052	BAG-N-BOX CARBONATE STOR.	-		X					
QU.J-202	BULK CO2 SYSTEM	-		X	X				
QX.J-053	SURFACE MOUNT FILL BOX	PART # 9722279	BRASS FILL FITTING. STAINLESS STEEL BOX CONSTRUCTION	X	X				
QU.J-204	HIGH PRESSURE CO2	-	VERIFY EXACT LOCATION IN FIELD	X					
QU.J-205	CARBONATOR	COKE	SEE DETAIL 7/A103	X	X		X	X	
QB.J-611	ICE MAKER (WATER-COOLED) & ICE STORAGE BIN	HOSHIZAKI	SEE E-SHEETS FOR POWER REQ'TS 1/2" C.W. - 3/8" COND. DRAIN - 1" BIN DRAIN	X	X		X	X	
QB.J-612	LARGER ICE MAKER (WATER COOLED) & ICE STORAGE BIN	HOSHIZAKI	SEE E-SHEETS FOR POWER REQ'TS 1/2" C.W. - 3/8" COND. DRAIN - 1" BIN DRAIN	X	X		X	X	
QB.J-088	DELFIELD SS SODA CABINET - 59" FINISHED BACK	DELFIELD 1722252	3/8" COND. DRAIN - 1" BIN DRAIN	X	X		X	X	
QW.J-201	STAINLESS HAND SINK w/ FAUCET	UNIVERSAL	1/2" C.W.	X	X		X		
QW.J-001	Z1996-24 MOP SINK w/ ZURN Z1996-SF FAUCET	ZURN	REFER TO PLUMBING DRAWINGS	X	X		X		
QW.J-501	MOP HEAD HOOKS	KEC	INSTALL (BENEATH THE WH SHELF, ABOVE FAUCET - SEE 8/A103	X	X				
QW.J-002	FLOORSTONE MODEL #50 MOP SINK	FLOORSTONE	3'-0" X 3'-0"	X			X		
QW.J-403	STAINLESS 3 COMPARTMENT SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (2) 18" WIDE DRAINBOARDS	X	X		X		
QW.J-404	STAINLESS 3 COMPARTMENT SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (2) 24" WIDE DRAINBOARDS	X	X		X		
QW.J-401	"L" STAINLESS 3 COMPARTMENT SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (2) 18" WIDE DRAINBOARDS	X	X		X		
QW.J-405	"L" STAINLESS 3 COMPARTMENT SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (2) 24" WIDE DRAINBOARDS	X	X		X		
QW.J-302	STAINLESS VEGETABLE PREP SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (1) 18" WIDE DRAINBOARD	X	X		X		
QW.J-303	STAINLESS VEGETABLE PREP SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (1) 24" WIDE DRAINBOARD	X	X		X		
QW.J-304	STAINLESS VEGETABLE PREP SINK	JOHN BOOS	1/2" C.W. - 1/2" H.W. - (3) 1 1/2" DRAIN- (1) NO DRAINBOARD	X	X		X		
QX.J-002	SINK FAUCET (ZURN Z842H1.0002 w/OVERHEAD SPRAYER)	ZURN	REFER TO PLUMBING DRAWINGS	X	X		X		
QX.J-001	SINK FAUCET (Z842H1-15F)	ZURN	REFER TO PLUMBING DRAWINGS	X	X		X		
QR.J-601	1 DOOR REACH - IN REFRIGERATOR W/ 10 PANS	HOSHIZAKI	115V (RECEPT @ 72" A.F.F.)	X	X		X		
QR.J-001	6' x 6' x 8'-6" TALL WALK-IN FREEZER	KOLPAK	120V-1P - WIRE TO J-BOX 208/220V/1PH HP-WIRE TO J-BOX	X	X		X		
QR.J-002	6' x 6' x 8'-6" TALL WALK-IN COOLER	KOLPAK	120V-1P - WIRE TO J-BOX 208/220V/1PH HP-WIRE TO J-BOX	X	X		X		
QR.J-701	DUNNAGE RACKS FOR FREEZER	NEXEL	2@ 16"x36" AND 1@16"x30"	X					
QR.J-702	METRO SEAL RACKS FOR COOLER	NEXEL	2@ 24"x60" AND 1@ 24"x36"	X					
QX.J-202	FLOOR MOUNTED WATER HEATER SHELF	NEW AGE	2000 SERIES	X					
QS.J-703	18"x24" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-801	14"x24" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-802	18"x30" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-803	14"x30" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-701	18"x36" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-804	14"x36" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-805	18"x42" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-806	14"x42" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-702	18"x48" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-807	14"x48" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-808	18"x54" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-809	14"x54" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-810	18"x60" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-811	14"x60" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-812	18"x72" WIRE SHELVING UNITS	QUANTUM		X					
QS.J-813	14"x72" WIRE SHELVING UNITS	QUANTUM		X					
FT.J-403	1'-1" x 4'-0" x 42" H TABLE	MID-WEST		X	X				
FT.J-404	1'-5" x 4'-0" ADA TABLE	MID-WEST		X	X				

FT.J-405	1'-5" x 6'-0" x 30" H TABLE ACCESSIBLE HEIGHT	MID-WEST		X	X				
FT.J-406	1'-1" x 6'-0" ADA TABLE	MID-WEST		X	X				
FT.J-407	1'-1" x 8'-0" x 42" H TABLE	MID-WEST		X	X				
FT.J-408	1'-1" x 8'-0" ADA TABLE	MID-WEST		X	X				
FT.J-409	1'-1" x 10'-0" x 42" H TABLE	MID-WEST		X	X				
FT.J-410	1'-1" x 10'-0" ADA TABLE	MID-WEST		X	X				
FT.J-411	1'-1" x 12'-0" x 42" H TABLE	MID-WEST		X	X				
FT.J-412	1'-1" x 12'-0" ADA TABLE	MID-WEST		X	X				
QS.J-650	DISPLAY WALL SHELVES (14"x36")	QUANTUM	PROVIDE BLOCKING TO SECURE SHELVING UNITS SEE DETAIL ON SHEET A103 FOR MOUNTING HEIGHTS	X	X				
QS.J-651	DISPLAY WALL SHELVES (14"x42")	QUANTUM	PROVIDE BLOCKING TO SECURE SHELVING UNITS SEE DETAIL ON SHEET A103 FOR MOUNTING HEIGHTS	X	X				
QS.J-652	DISPLAY WALL SHELVES (18"x48")	QUANTUM	PROVIDE BLOCKING TO SECURE SHELVING UNITS SEE DETAIL ON SHEET A103 FOR MOUNTING HEIGHTS	X	X				
QP.J-001	HS8-1 MANUAL HEAVY-DUTY SLICER	HOBART	120/60/1 - 5.4 AMPS - 1/2 HP	X			X		
AR.J-001	PAPER TOWEL DISPENSER -T1755TBK	SAN JAMAR	PROVIDE IN WALL BLOCKING	X	X				
AR.J-003	SOAP DISPENSER- INTERNATIONAL 32	UPDATE	PROVIDE IN WALL BLOCKING	X	X				
FT.J-712	HIGH TABLE 30" DIA	KEC		X					
FT.J-713	ADA ACCESSIBLE ROUND TABLE 30" DIA	KEC	COORDINATE A.D.A. REQUIREMENTS AND A.D.A. SYMBOLS.	X					
FT.J-714	ADA ACCESSIBLE ROUND TABLE 42" DIA	KEC	COORDINATE A.D.A. REQUIREMENTS AND A.D.A. SYMBOLS.	X	X				
FT.J-105	LOW TABLE FOR 2 (24" x 24")	KEC		X					
FT.J-106	LOW TABLE FOR 4 (42" x 24")	KEC		X					
FT.J-107	ADA LOW TABLE FOR 4 (48" x 24")	KEC		X					
FT.J-108	LOW TABLE FOR 6 (65" x 24")	KEC		X					
FT.J-109	ADA LOW TABLE FOR 6 (65" x 24")	KEC		X					
FB.J-002	BOOTH SEATING UNIT FOR 2	KEC		X	X				
FB.J-102	BOOTH SEATING UNIT FOR 4	KEC		X	X				
FB.J-103	ADA BOOTH SEATING UNIT FOR 4	KEC		X	X				
FB.J-202	BOOTH SEATING UNIT FOR 6	KEC		X	X				
FB.J-203	ADA BOOTH SEATING UNIT FOR 6	KEC		X	X				
FC.J-101	BARSTOOLS	KEC		X	X				
FC.J-001	BARSTOOLS (MOVABLE)	KEC		X					
FC.J-002	ADA ACCESSIBLE CHAIRS	KEC		X					
AF.J-102	CUNO #15 WATER FILTER	CUNO	ENSURE EASY ACCESS TO THIS FILTER CARTRIDGE MOUNT TO WALL- TOP @ 8'-0" A.F.F.- SEE PLUMBING SHEETS	X	X			X	
MD.J-008	SOFFIT MOUNTED MENU BOARD (30" X 120")	-	-	X	X				
FT.J-113	1'-6" x 8'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-114	1'-6" x 8'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-115	1'-6" x 10'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-116	1'-6" x 12'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-117	1'-6" x 14'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-118	2'-0" x 6'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-119	2'-0" x 8'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-120	2'-0" x 10'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-121	2'-0" x 12'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
FT.J-122	2'-0" x 14'-0" x 42" H COMMUNITY TABLE	KEC	IF USED, SEE MILLWORK DRAWINGS	X	X				
AX.J-007	STANDING COUNTER POST	KEC KEC	CORE DRILLED - SEE 03/A501	X	X				
AX.J-008	ADA STANDING COUNTER POST	KEC KEC	CORE DRILLED - SEE 03/A501	X	X				
AS.J-001	SLIM JIM TRASH CAN	KEC KEC		X					
AS.J-002	TRASH RECEPTACLE	RUBBERMAID	S3ET CLASSICS - OPEN TOP - 94L/25G	X					
AX.J-003	STAINLESS STEEL CORNER GUARDS - WALLS	ELKAY	ON OUTSIDE CORNERS OF TILE IN PREP AREA	X	X				
AX.J-004	STAINLESS STEEL CORNER GUARDS - PLATFORM EDGE	ELKAY	ON OUTSIDE CORNERS OF PLATFORM OVER ORDER COUNTER	X	X				
AX.J-005	STAINLESS STEEL CORNER GUARDS - AT DRVE THRU WINDOW OPENING	ELKAY	AT SILL AND JAMBS AT WINDOW OPENING	X	X				
AR.J-101	BATHROOM ACCESSORIES - NEW	BOBRICK - ZURN	REFER TO PLUMBING DRAWINGS	X	X				
AX.J-006	HCS-2 COAT RACK	GAMCO		X	X				
QX.J-711	OUTDOOR DRIVE-THROUGH MENU BOARD	-	SEE 06/A002 120 VAC, 60 HZ, 2 AMPS - VERIFY EXACT LOCATION.	X	X		X		
QX.J-712	OUTDOOR DRIVE-THROUGH SPEAKER POST AND MIC	-	SEE 07&08/A002 120 VAC, 60 HZ, 2 AMPS - VERIFY EXACT LOCATION	X	X		X		
FT.J-122	T-30 PATIO TABLE - BLACK	WEBCOAT		X					
FT.J-123	T-42 PATIO TABLE - BLACK	WEBCOAT		X					
FT.J-124	T46NNV PATIO TABLE - BLACK	WEBCOAT		X					
FT.J-125	T46UL-3ADA- BLACK	WEBCOAT		X					
FT.J-126	PATIO CSTACK CHAIRS- BLACK	WEBCOAT		X					
FT.J-127	TR32PERF TRASH CAN W/ 32S DOME - BLACK	WEBCOAT		X					
QB.J-102	ICED TEA BREWER	BUNN-O-MATIC	120V - CORD AND PLUG (C&P)-(INSTALL OUTLET IN CABINET) 1800 WATTS, 15 AMPS, 5-15 RECEPTACLE	X	X		X	X	
QB.J-002	SEAMLESS STAINLESS STEEL ICED TEA DISPENSER	BUNN-O-MATIC		X					
FX.J-001	PATIO TABLE UMBRELLAS	MJJ SALES		X					
AX.J-006	RAIL SYSTEM		SEE 02/A001	X	X				
TS.J-002	SPEAKER	-	MUST BE MOUNTED AT +10'-0" AFF.	X	X				
TS.J-003	VOLUME CONTROL	-	MUST BE AT MANAGER'S DESK.	X	X		X		
TS.J-004	RECEIVER	-	MUST BE AT MANAGER'S DESK.	X	X		X		
TQ.J-005	AIR CURTAIN- SHC07-1036A	BERNER	MUST BE MOUNTED TIGHT TO ACT CEILING - ONLY IF REQUIRED	X	X		X	X	X
TX.J-406	EXT. LAMP POST	TOWNE COMMONS		X	X		X		
MS.J-009	PICKUP SHELF 30" x 13"	MIDWEST		X	X				
MX.J-002	COMMUNITY INVOLVEMENT WALL	KEC	SEE ELEVATIONS FOR EXACT PLACEMENT	X	X				
FT.J-403	48" x 48" GREEN VALLEY TABLE	WABASH VALLEY		X					
FT.J-404	30" x 30" GREEN VALLEY TABLE	WABASH VALLEY		X					
FT.J-405	GREEN VALLEY PATIO CHAIR	WABASH VALLEY		X					
QR.J-280	COCA COLA DISPLAY COOLER - FLOOR UNIT	TRUE	SINGLE DOOR SMALL FLOOR MOUNTED 53.5h x 25w x 23"d - 4.2 amps	X	X		X		
QR.J-281	COCA COLA DISPLAY COOLER - COUNTER UNIT	IDW	SINGLE DOOR LARGE COUNTERTOP - G-7 36"h x 20 1/2"w x 24"d - 3.5 amps	X	X		X		
QP.J-001	FOOD PROCESSOR FP150	HOBART	120/60/1, 3 CONDUCTOR 6' POWER CORD (18 AWG) - 4.8 AMPS	X	X		X		
QW.J-200	UNDERCOUNTER DISH MACHINE - LXER HIGH TEMP	HOBART	120/208-240(3W)/60/1	X	X		X	X	
QS.J-401	CUSTOM METRO WAREWASH SMARTWALL SYSTEM - JJ3036DS	METRO	JJ3036DS INCLUDES (3) 14x48 SHELVES, 18x36 WIRE GRID, 30x36 WIRE GRID, & ALL ACCESSORIES. PROVIDE BLOCKING FOR SHELVING BRACKETS AND WIRE GRID BRACKETS. SEE A103	X	X				
QS.J-402	5'-0" x 14" METRO WIRE SHELVING WITH 33PDF POST & BRACKET ASSY	METRO	PROVIDE BLOCKING FOR SHELVING BRACKETS AND WIRE GRID BRACKETS. SEE A103.	X	X				
QC.J-302	CONNEX 12 HIGH SPEED OVEN	MERRYCHEF		X	X	X			
QT.J-101	HIGH SPEED OVEN STACKING TROLLEY - SR325	MERRYCHEF		X	X				
QX.J-101	JIMMY JOHNS DESSERT HOLDER	IMAGINE	6 POCKET COUNTERTOP DESSERT HOLDER	X					



2 DINING

SCALE: 3/8"=1'-0"



1 DINING

SCALE: 3/8"=1'-0"

- GENERAL NOTES
- REFER TO A-201 FOR DEPICTIVE AND DIMENSIONED FLOOR PLAN
 - REFER TO A-701 FOR REFLECTED CEILING PLAN
 - REFER TO A-302 FOR FINISH AND SHEATHING PLAN
 - REFER TO A-805 FOR WINDOW, DOOR AND FRAME INFORMATION
 - ENTRY AND PATIO DOORS TO BE FULLY ACCESSIBLE - CLEAR AREA REQUIRED AT DOOR TO BE LEVEL OR 2% SLOPE MAXIMUM DOOR PULLS MOUNTED AT 48" AFF.
 - ALL LOW WALLS IN DINING SPACE TO BE BRACED WITH INTERNAL POSTS, REFER TO DIMENSIONED PLAN AND DETAIL FOR ADDITIONAL INFORMATION
 - REFER TO A-801 FOR FURNITURE TAGS
 - VERIFY AND INSTALL BLOCKING AS REQ'D FOR OWNER-PROVIDED DECOR AND GRAPHICS ELEMENTS
 - ALL DECOR GRAPHICS PROVIDED BY OWNER - SEE A-801 FOR MORE INFORMATION

FINISH SCHEDULE								
TAG	MANUFACTURER	MODEL	STYLE	COLOR/FINISH	DESCRIPTION	LOCATION	FURNISHED BY	INSTALLED BY
BASE								
WB-J-1	METRO	507		PURITAN GRAY	6"x8" BULLNOSE INTEGRAL COVE BASE AT ALL WALLS & MILLWORKIN PREP, BACKROOM AND KITCHEN AREAS - GROUT (G-J-2)		GC	GC
WB-J-2	DALTILE	DELEGATE BLACK	6"x24" X 5'16" MATTE FINISH	DL28 BLACK	USE AT POLISHED CONCRETE FLOOR - 3'16" GROUT JOINTS THROUGHOUT DINING AND RESTROOMS - GROUT (G-J-1)		GC	GC
WB-J-3	ROPPE	#44		BLACK	TO BE USED AT RESTROOM WHEN POLISHED CONCRETE FLOOR (FF-J-1) & (WB-J-2) IS USED		GC	GC
CEILING								
C-J-1	-	2X4 LAY-IN CEILING VINYL FACED	-	-	2X4' GYPSUM BOARD, 1/2" THICK - WHITE - VINYL SURFACE	KITCHEN AND RESTROOMS	GC	GC
C-J-3	-	5/8" MOISTURE RESISTANT GYPSUM BOARD	-	PT-J-2 PT-J-5	WASHABLE 5/8" MOISTURE RESISTANT GYPSUM BOARD PAINTED PER ELEVATIONS	KITCHEN SOFFIT	GC	GC
C-J-4	USG	ASTRO	CLIMA-PLUS/8221	-	2X2 UNPERFORATED ACT TILE - SQUARE EDGE - 5/8"	DINING CEILING	GC	GC
FIBERGLASS PANELS								
FRP-J-1	MARLITE	S-100 - S/2'S	SMOOTH FINISH	WHITE	FIBERGLASS REINFORCED PLASTIC	BACK OF HOUSEWALLS - PREP SIDE OF MILLWORK WHEN SITE BUILT OUTSIDE CONER TRIM MUST BE 1'-1/2" X 1'-1/2" NON INTEGRATED	GC	GC
FRP-J-2	MARLITE	SYMMETRIX SMART SEAM	SUBWAY GLOSS WHITE W/ GRAY GROUT LINES	WHITE BRICK PATTERN	FIBERGLASS REINFORCED PLASTIC	WALL FINISH OPTION (IF APPLICABLE)	GC	GC
FRP-J-3	MARLITE	SYMMETRIX	SUBWAY GLOSS BLACK BRIGHT W/ WHITE GROUT LINES	BLACK BRICK PATTERN	FIBERGLASS REINFORCED PLASTIC	WALL FINISH OPTION (IF APPLICABLE)	GC	GC
FLOORING FINISH / FLOOR TILE / GROUT								
FF-J-1	CONSOLIDECK	SEE DESCRIPTION	SEE DESCRIPTION	CLEAR	APPLY CONSOLIDECK LS DENSIFIER - POLISH CONCRETE TO 800 GRIT LEVEL. APPLY 2 COATS CONSOLIDECK POLISHGUARD. FINAL POLISH W/ 800 GRIT. FILL ALL EXPANSION JOINTS WITH A POLYUREA, SEMI-RIGD JOINT FILLING COMPOUND. FOLLOW ALL MFR. GUIDELINES - USE (WB-2) BASE W/ (WB-4) AT RESTROOMS	PUBLIC AREAS & BAR BACK	GC	GC
FF-J-4	METRO	507	QUARRY	PURITAN GRAY	8"x8" FLOOR TILE WITH 3'16" JOINTS - GROUT (G-J-2)	ALTERNATE - TO SS-1	GC	GC
FF-J-6	DALTILE	DELEGATE BLACK	12 X 24, 6X24, 3 X 24 BULLNOSE	DL28 BLACK	TILE	TO BE USED AT PLATFORM UNDER DISPLAY COOLER IN MILLWORK BY GC BULLNOSE AT EXPOSED EDGE	GC	GC
G-J-1	BOSTIK	-	SANDED GROUT	BLACK	FLOOR GROUT	3'16" GROUT JOINTS - DINING & RR WALL BASE TILE	GC	GC
G-J-2	BOSTIK	-	SANDED GROUT	FRENCH GRAY	FLOOR GROUT	3'16" GROUT JOINTS - QT FLOO & DINING FLOOR WHEN USING FF-J-4 & FF-J-5	GC	GC
PAINT								
PT-J-2	SHERWIN WILLIAMS	2849	EGGSHELL	WESTCHESTER GRAY	PAINT	DINING ROOM CEILINGS - OVERHEAD ITEMS	GC	GC
PT-J-3	SHERWIN WILLIAMS	7008	SATIN	ALABASTER	PAINT	PREP DOORS AND FRAMES, PREP SIDE OF SOFFIT - DOORS AND FRAMES IN KITCHEN IF APPLICABLE	GC	GC
PT-J-4	SHERWIN WILLIAMS	7066	EGGSHELL	GRAY MATTERS	PAINT	DINING WALLS ABOVE TILE	GC	GC
PT-J-5	SHERWIN WILLIAMS	6668	EGGSHELL	REAL RED	PAINT	SOFFIT AND SOFFIT CEILING SEE INTERIOR ELEVATIONS	GC	GC
PT-J-6	SHERWIN WILLIAMS	SW6288	EGGSHELL	TRICORN BLACK	PAINT	RESTROOM DOOR FRAMES AND OTHER DOOR FRAMES WHEN IN DINING, (MUST BE SATIN AND NON-LOW VOC)	GC	GC
PT-J-7	SHERWIN WILLIAMS	SW6288	SEMI-GLOSS	TRICORN BLACK	PAINT	EXTERIOR - CORNICE	GC	GC
PT-J-8	SHERWIN WILLIAMS	-	SEMI-GLOSS	SAFETY RED	PAINT	EXTERIOR - BOLLARDS & D-T CURB	GC	GC
PLASTIC LAMINATE								
PL-J-1	FENIX	J0720		NERO INGO	PLASTIC LAMINATE	CUSTOMER COUNTER AS NOTED	VENDOR	GC
PL-J-2	FORMICA	FA C-CORE2 845-90		SPECTRUM RED	PLASTIC LAMINATE	CUSTOMER COUNTER AS NOTED	VENDOR	GC
WD-J-1	FORMICA	§312		PLANKED URBAN OAK	PLASTIC LAMINATE	CUSTOMER ORDER COUNTERTOP	VENDOR	GC
SPECIAL FINISH								
QZ-J-1	CEASERSTONE	3CM 3100		JET BLACK	3CM STONE	DRIVERS SHELF AND PERCH COUNTER	GC	GC
QZ-J-2	CEASERSTONE	3CM 1006		AGGER GREY	3CM STONE	COUNTERTOP SURFACE AND WALL CAP	GC	GC
WC-J-1	-	-	-	WALL COVERING ARTWORK	WALL COVERING OVER GYPSIUM BOARD PAINTED PT-J-4 FINISH	WALL COVERING PROVIDED BY ARTWORK VENDOR, INSTALLED BY G.C. OR APPROVED INSTALLER	VENDOR	GC
WALL TILE & TILE GROUT								
G-J-3	BOSTIK	-	UNSANDED GROUT	BRIGHT WHITE	WALL GROUT	KITCHEN & BATHROOMS - USE WITH (WT-J-1), (WT-J-3), (WT-J-6) & (WT-J-8)	GC	GC
WT-J-1	CENIT CERAMICAS	WHITE ICE	3X6	GLOSS WHITE	CERAMIC TILE	PREP DINING ROOM - BUTTED TIGHT & GROUT (G-J-3)	GC	GC
WT-J-3	CENIT CERAMICAS	BLACK BRIGHT	3X6	GLOSS BLACK	CERAMIC TILE	DINING ROOM - BUTTED TIGHT & GROUT (G-J-3)	GC	GC
WT-J-6	CENIT CERAMICAS	JJ WHITE	6X6	GLOSS WHITE	CERAMIC TILE	RESTROOM - BUTTED TIGHT & GROUT (G-J-3)	GC	GC
WT-J-8	CENIT CERAMICAS	JJ WHITE	3X6	GLOSS WHITE	CERAMIC TILE	RESTROOM - BUTTED TIGHT & GROUT (G-J-3)	GC	GC

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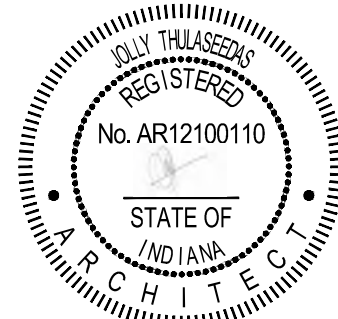
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Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

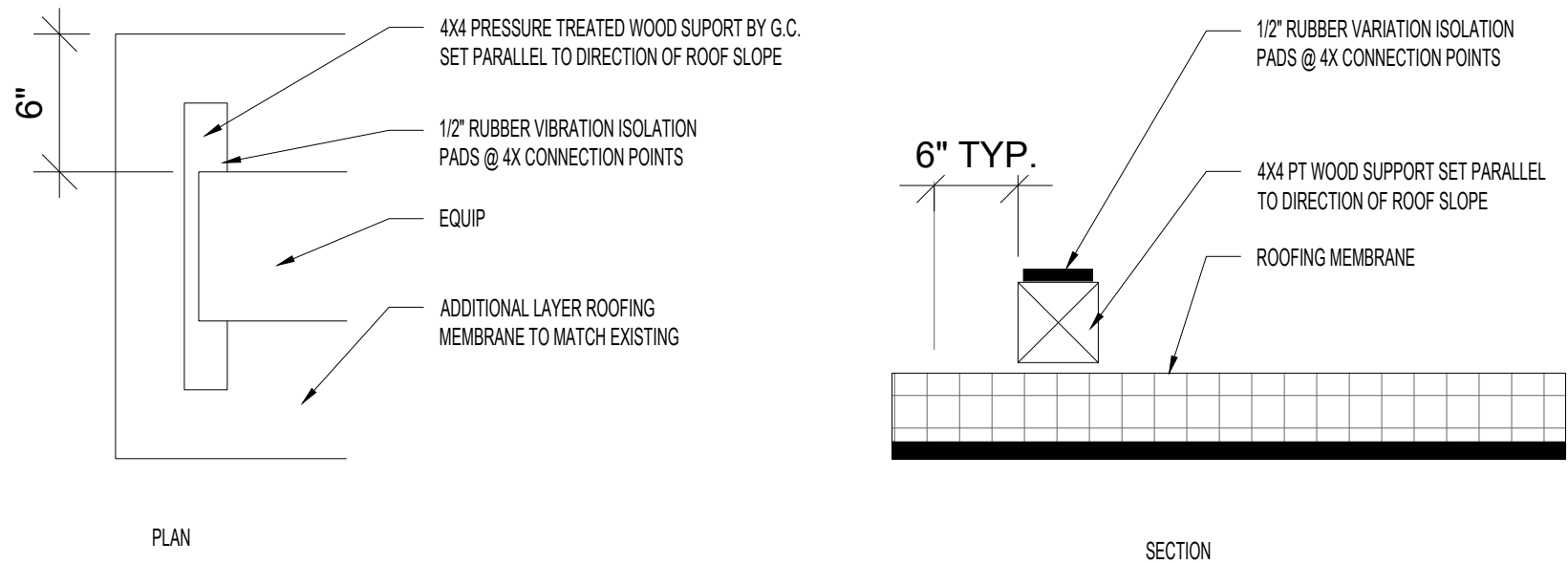
INTERIOR
ELEVATIONS

SHEET NUMBER:

A-603

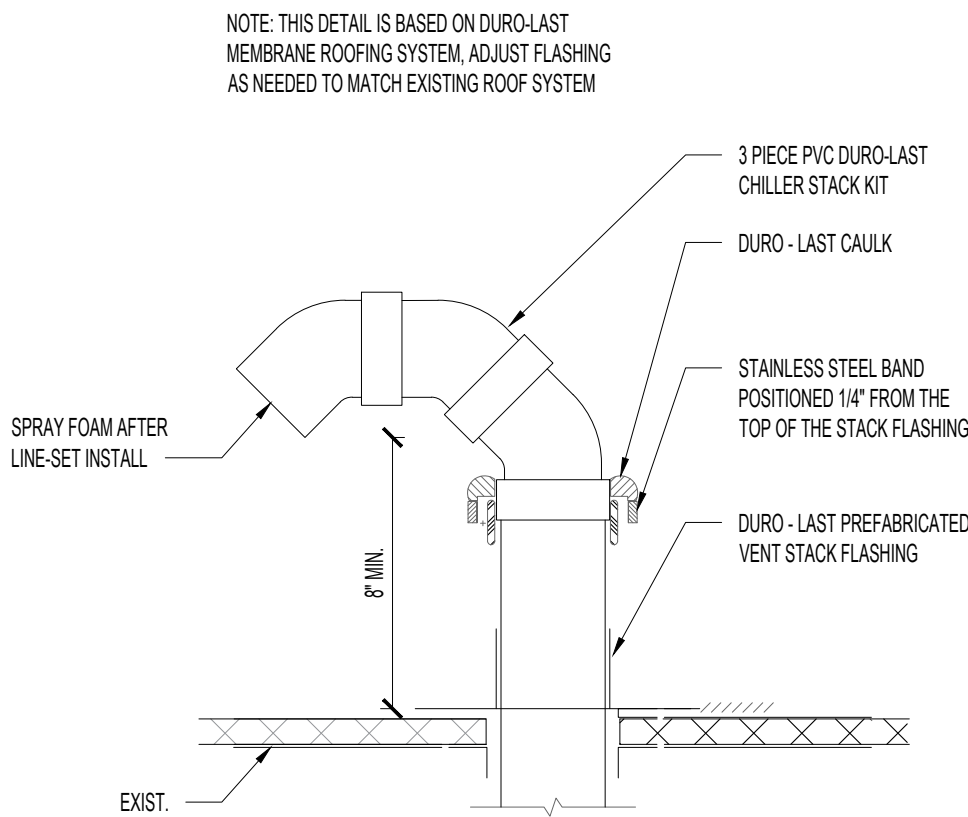
NOTES:

1. THESE DETAILS TO BE USED ONLY WHEN USING REMOTE CONDENSER UNITS FOR THE W/C AND W/F.
2. SECURE CONDENSER UNITS TO 4X4 SUPPORTS
3. SET 4X4 IN BEAD OF ROOFING CEMENT TO MATCH SYSTEM.



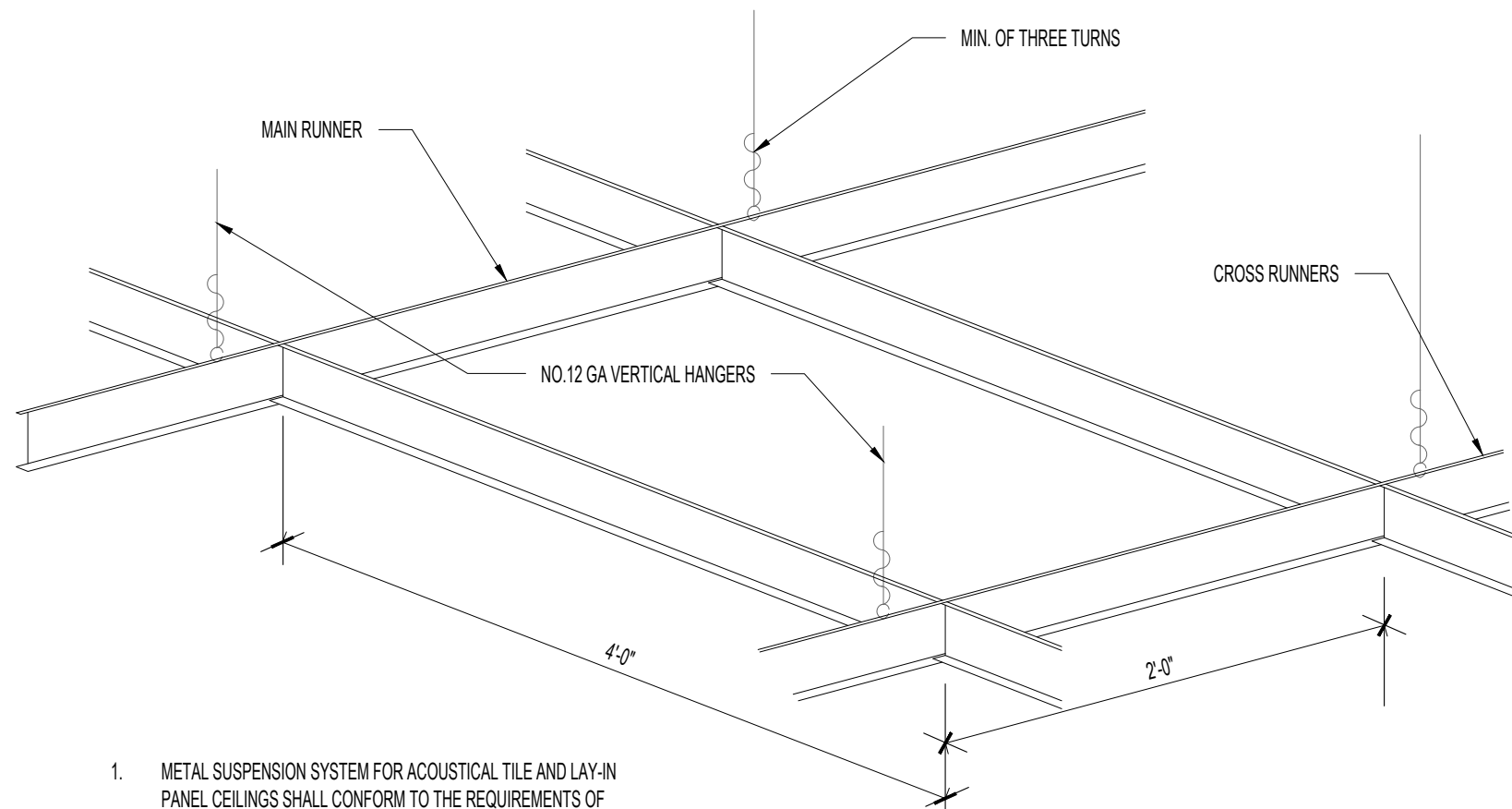
3 SUSPENDED CEILING DETAILS

SCALE: 3/8"=1'-0"



2 LINE-SET CONDUIT AT ROOF

SCALE: 3/8"=1'-0"



1. METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C955-00 FOR HEAVY DUTY SYSTEMS.
2. INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANELS SHALL CONFORM TO THE REQUIREMENT OF ASTM C936-00.
3. MAIN RUNNERS AT 4'-0" O.C. CROSS RUNNERS AT 2'-0" O.C.
4. VERTICAL HANGERS TO BE MAX. 8" FROM WALLS.

1 SUSPENDED CEILING DETAILS

SCALE: 3/8"=1'-0"

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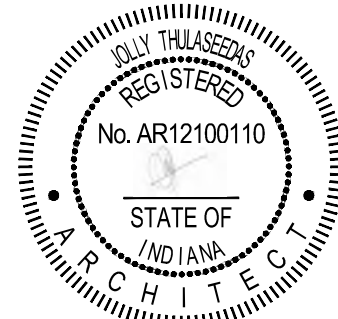
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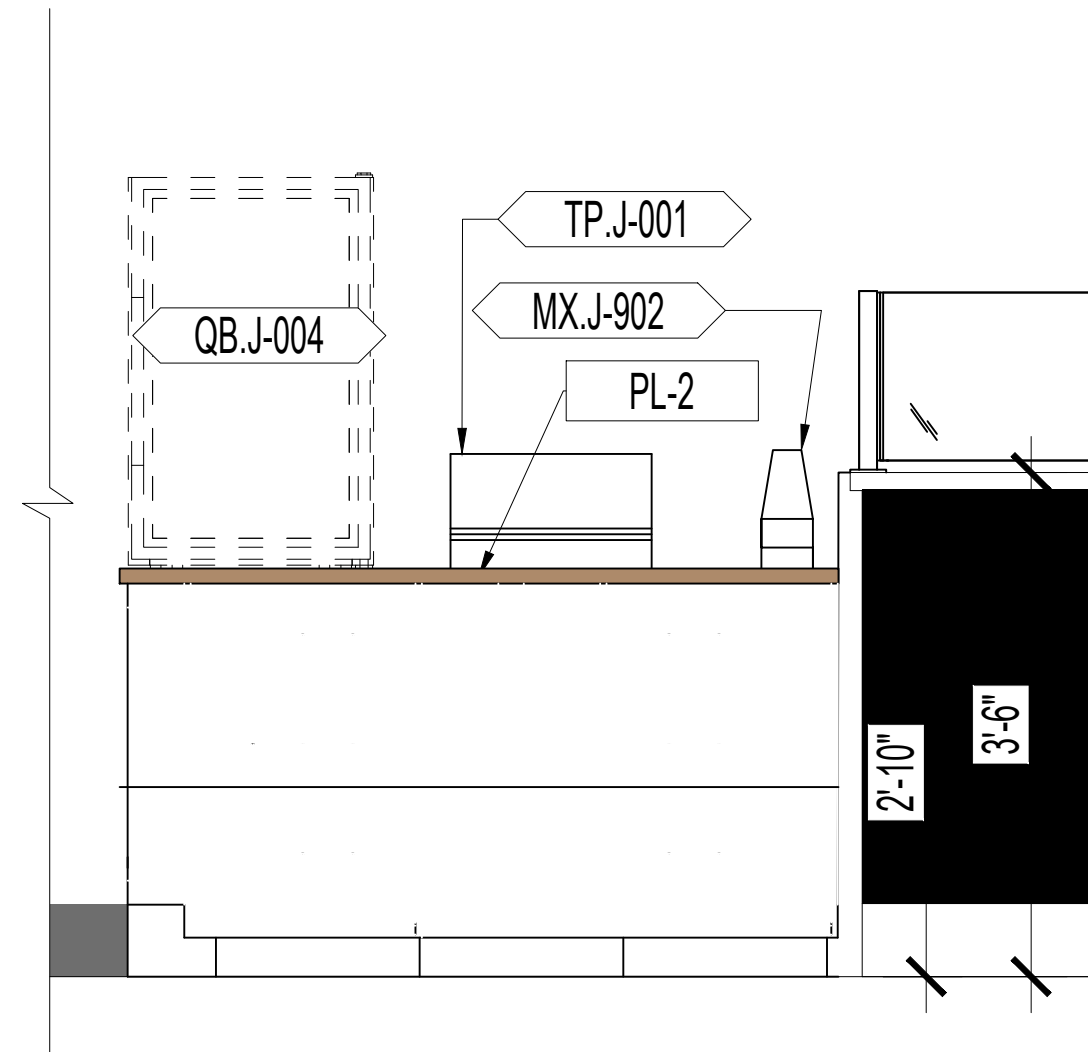
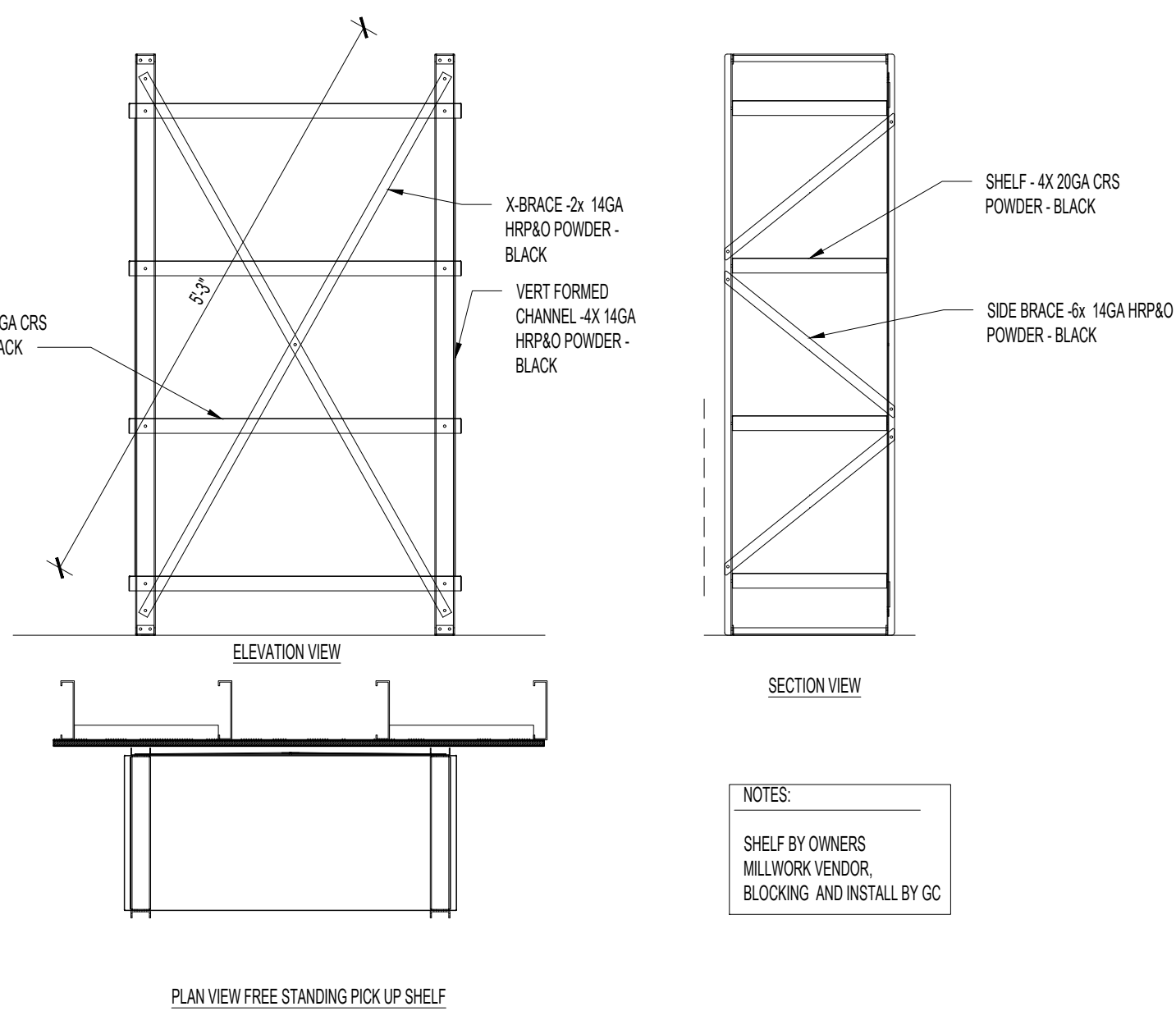
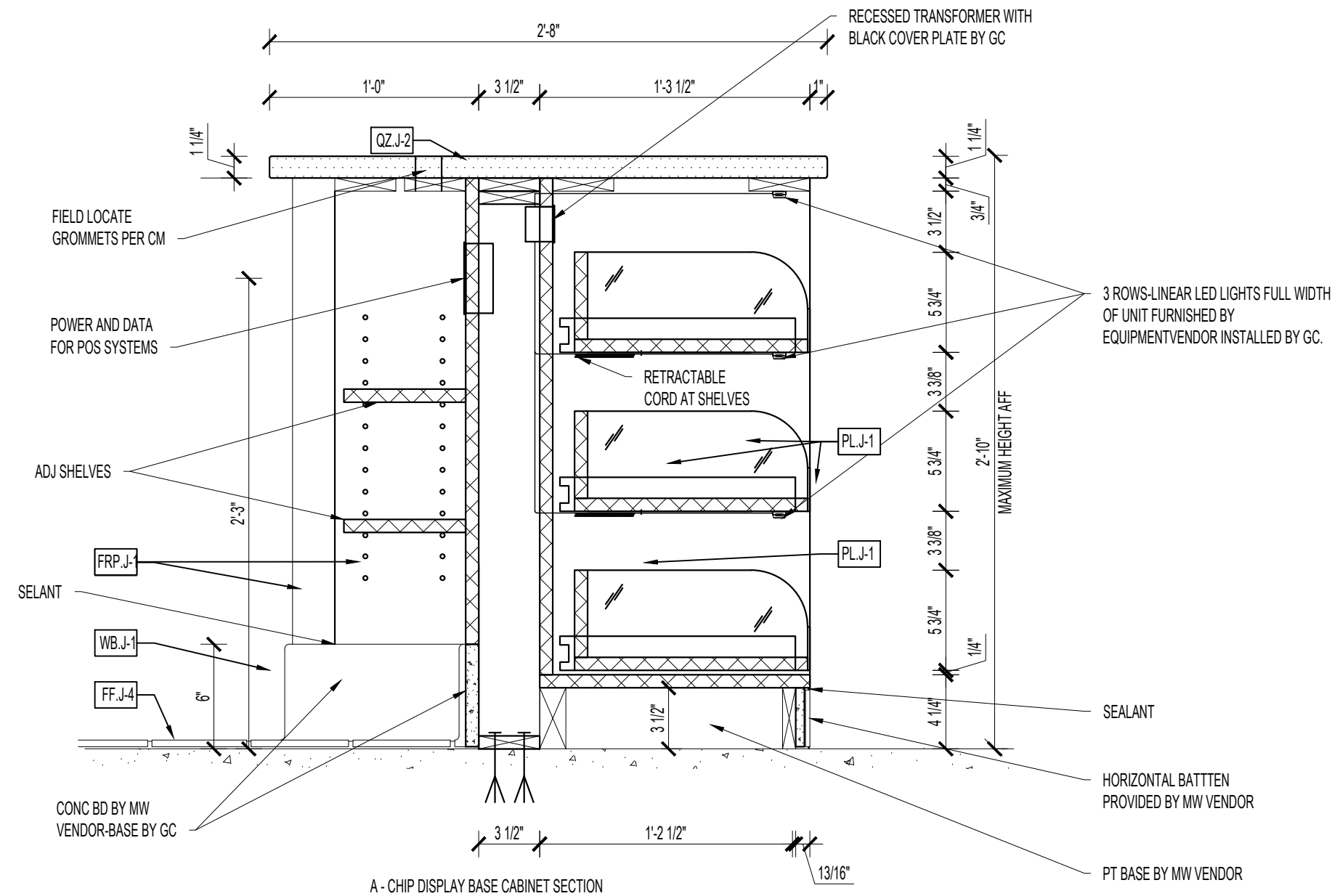
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Project Number: SKB-25-0111

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RCP DETAILS

SHEET NUMBER:

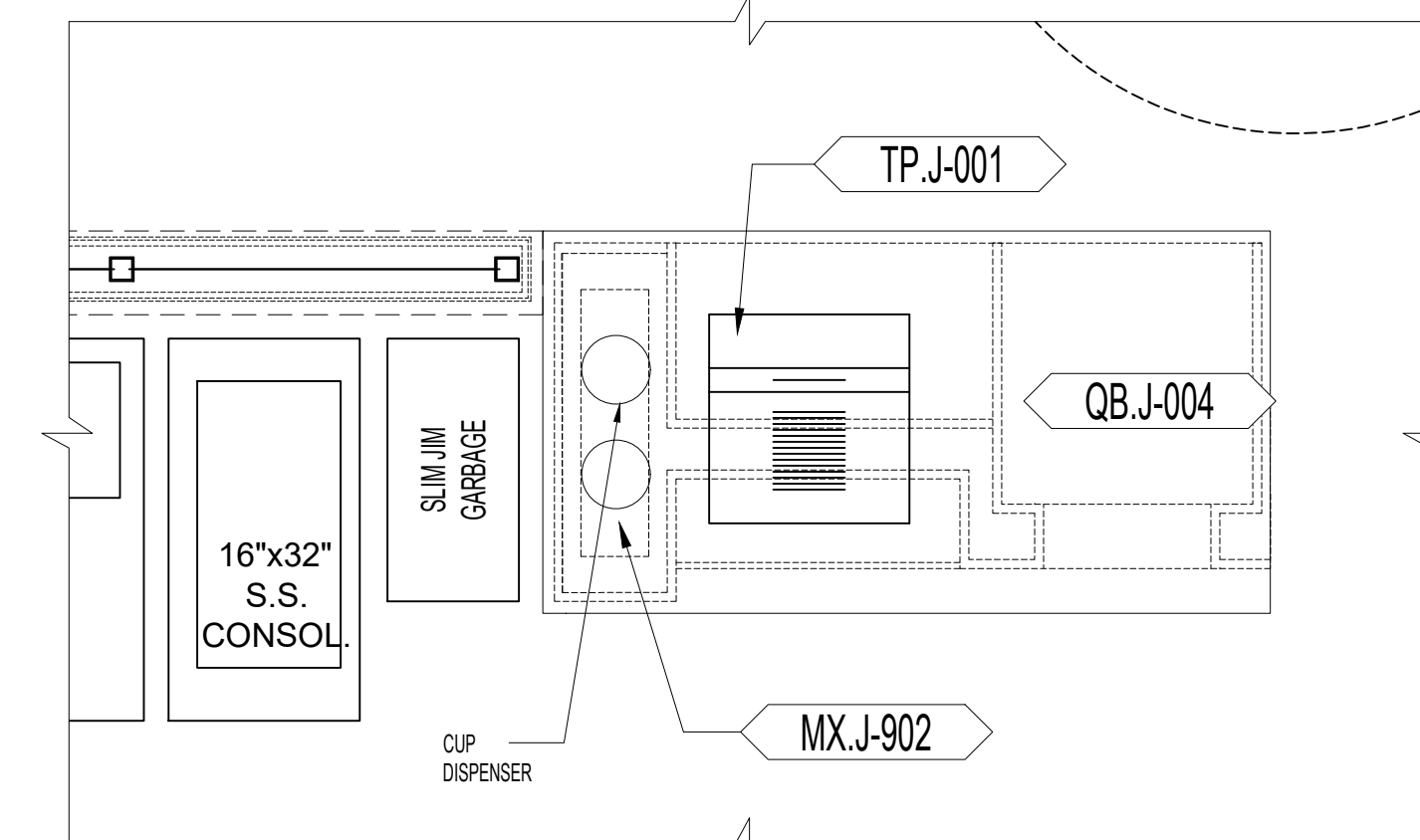
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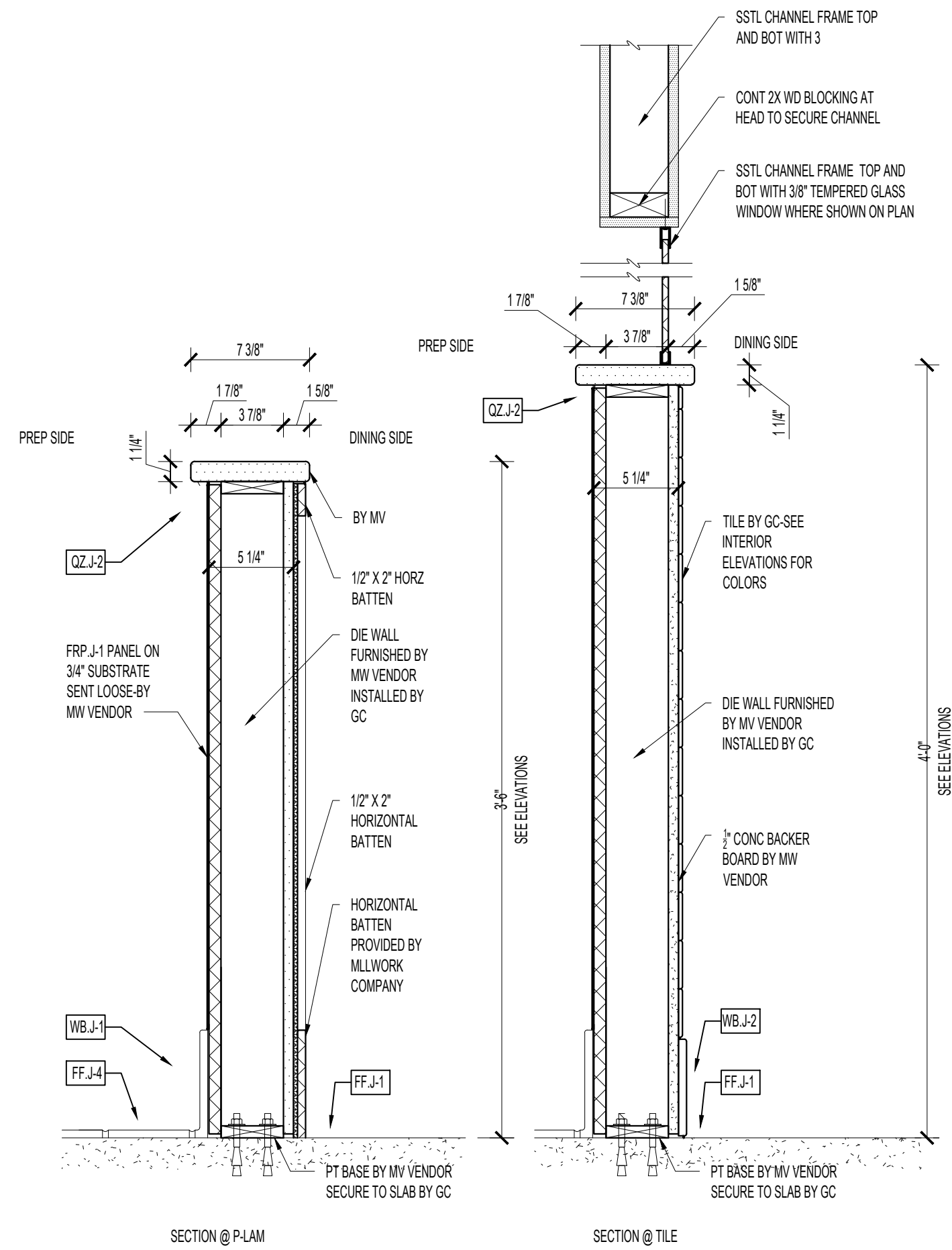
5 DISPLAY COOLER CABINET SECTION
SCALE: 1 1/2"=1'-0"

6 FREE STANDING PICK UP SHELF
SCALE: 3/4"=1'-0"

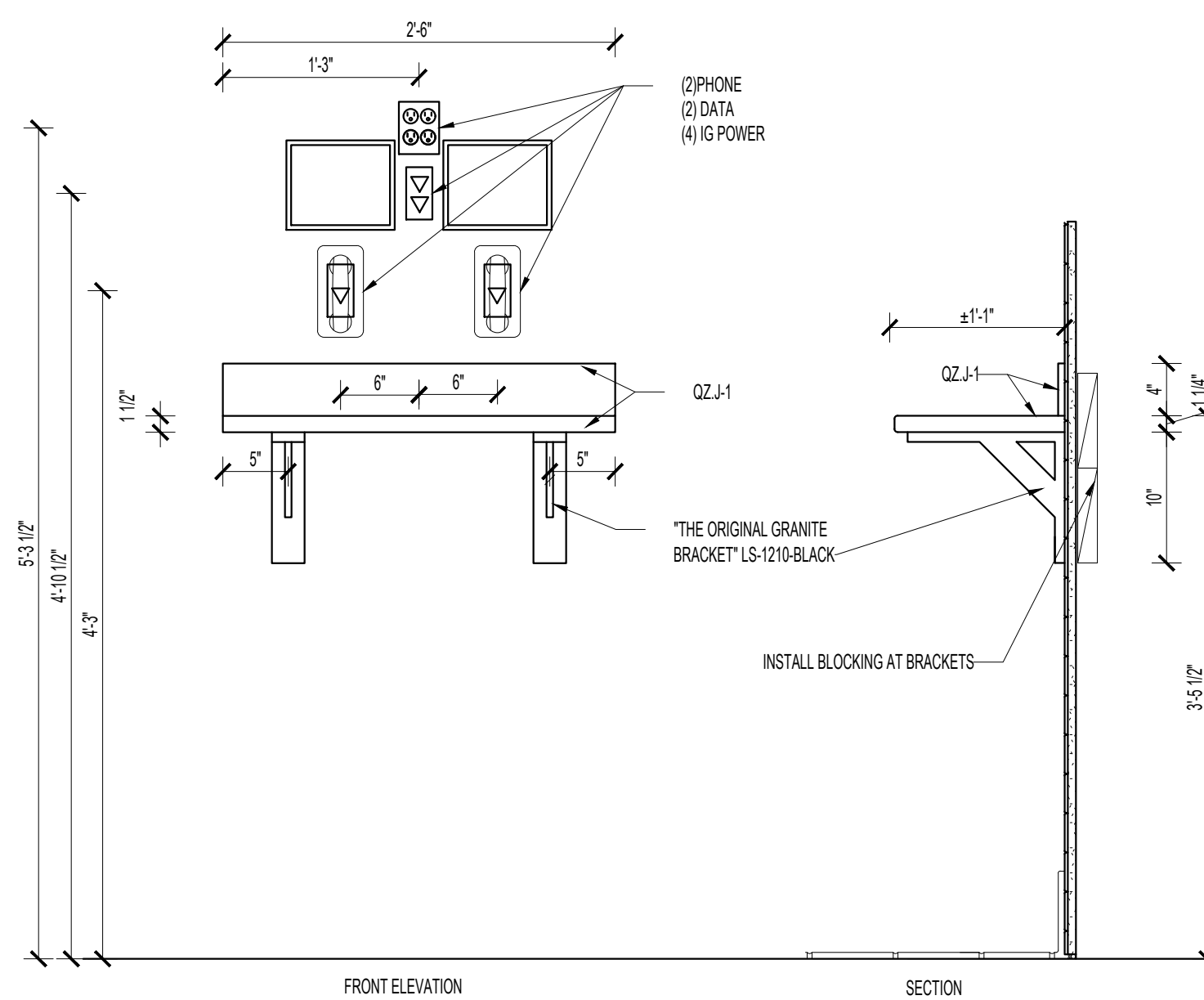
1 ORDER COUNTER ELEVATION
SCALE: 3/4"=1'-0"



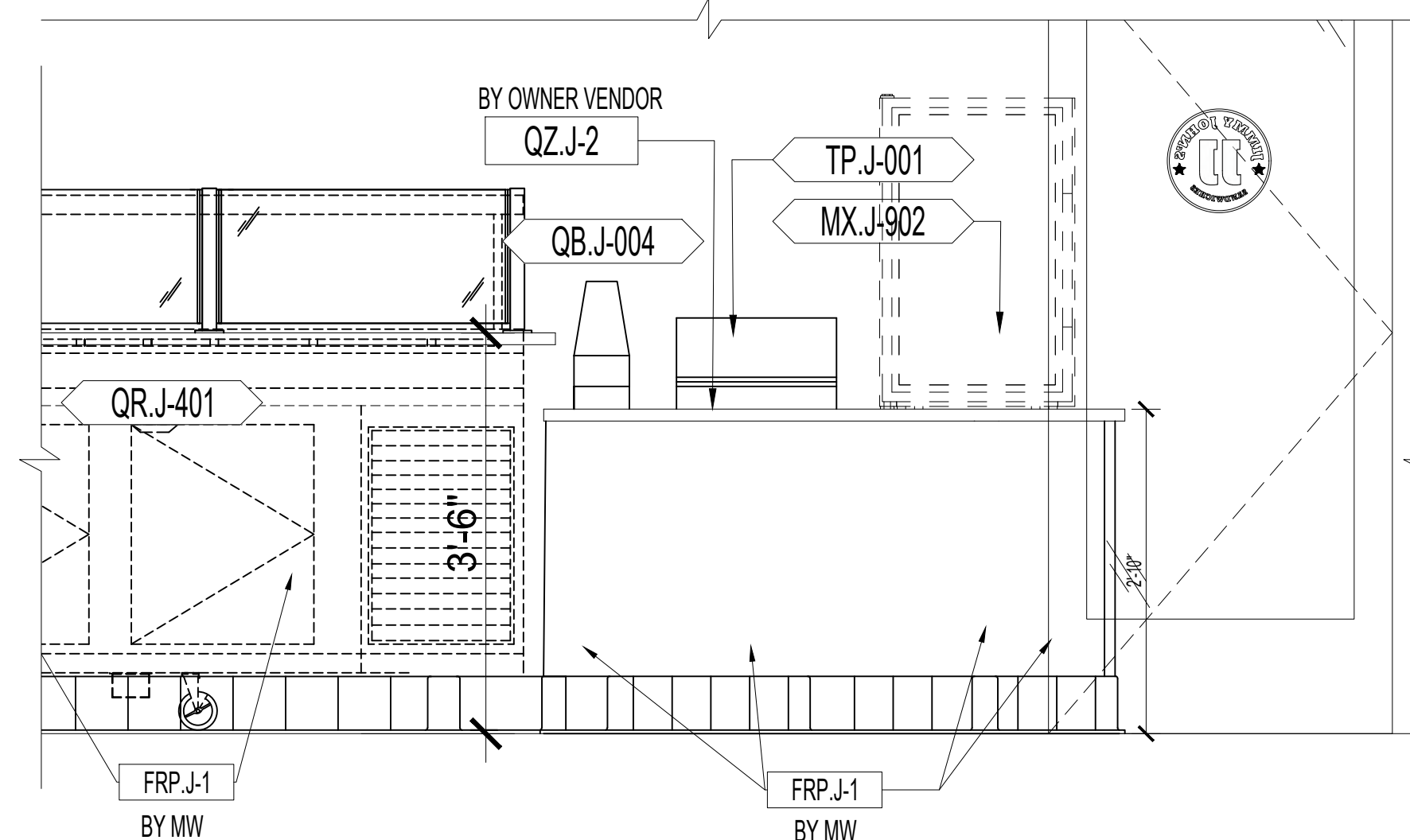
2 ORDER COUNTER PLAN
SCALE: 3/4"=1'-0"



7 DINING ROOM/ PREP - HALF WALL
SCALE: 1-1/2"=1'-0"



4 PHONE BANK SHELF
SCALE: 1"=1'-0"



3 ORDER COUNTER ELEVATION
SCALE: 3/4"=1'-0"

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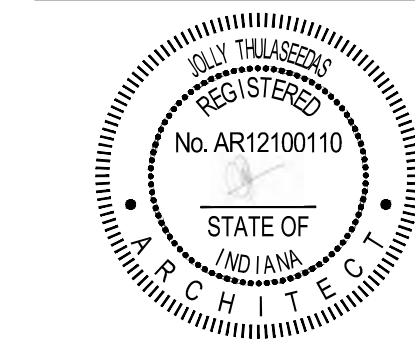
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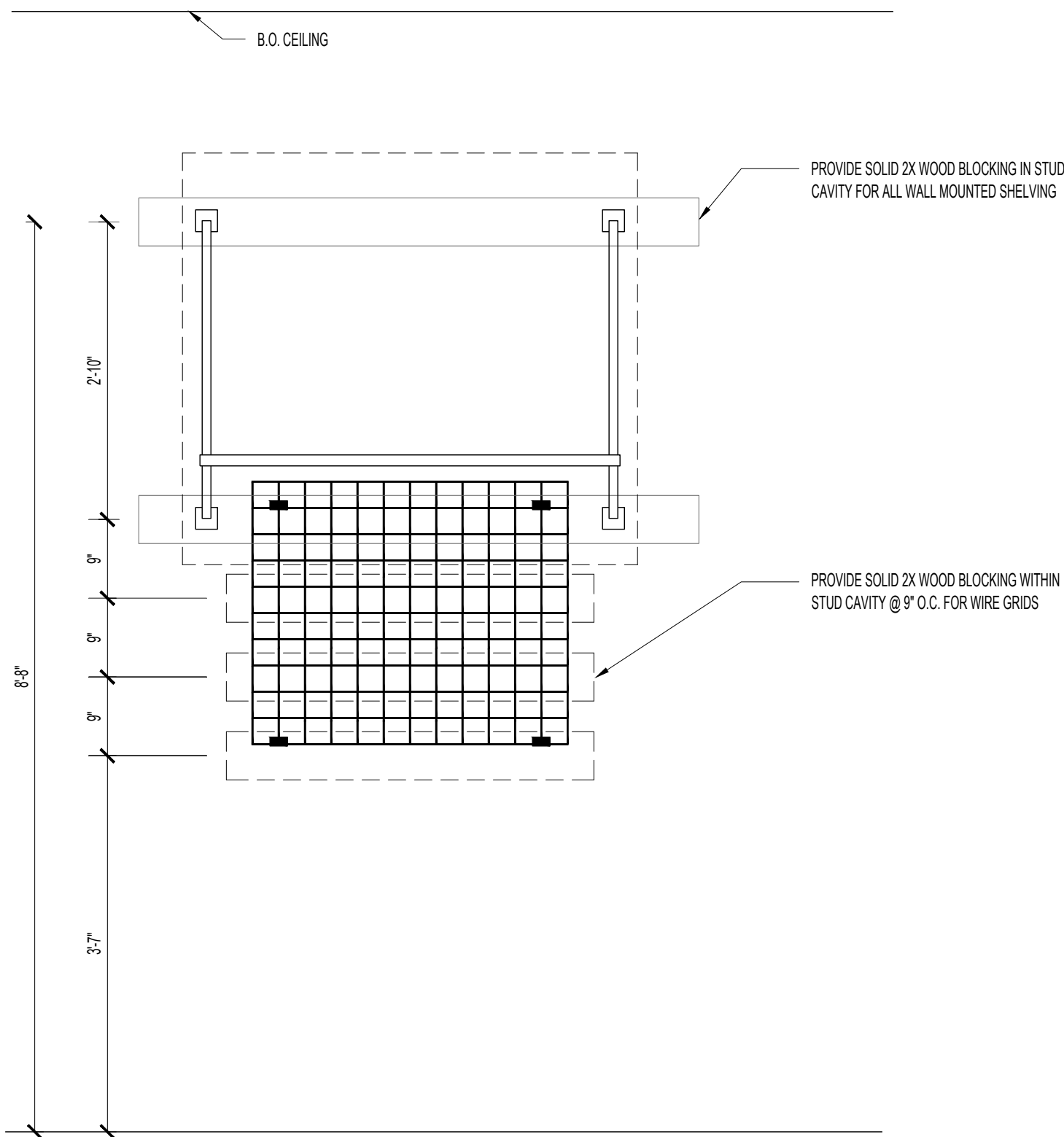
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Project Number: SKB-25-0111

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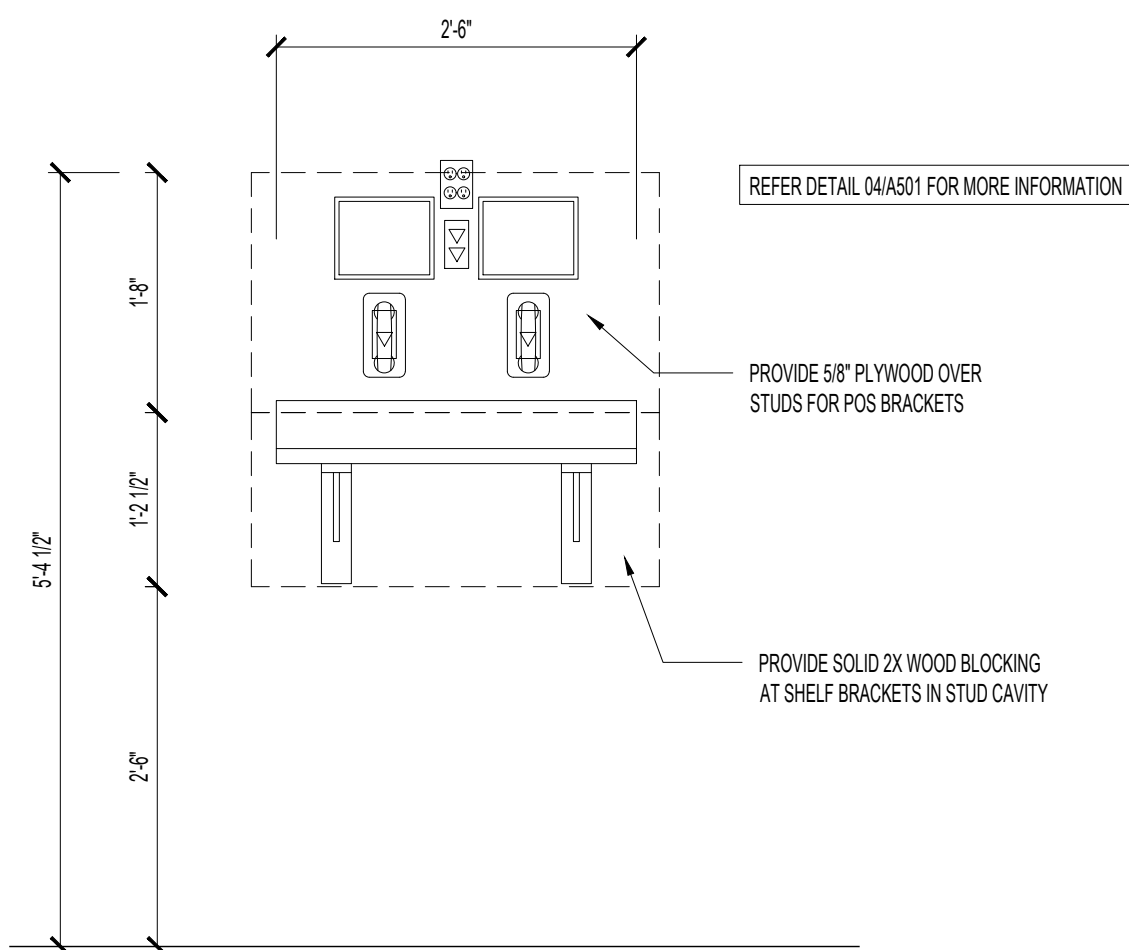
**MILLWORK
DETAILS**

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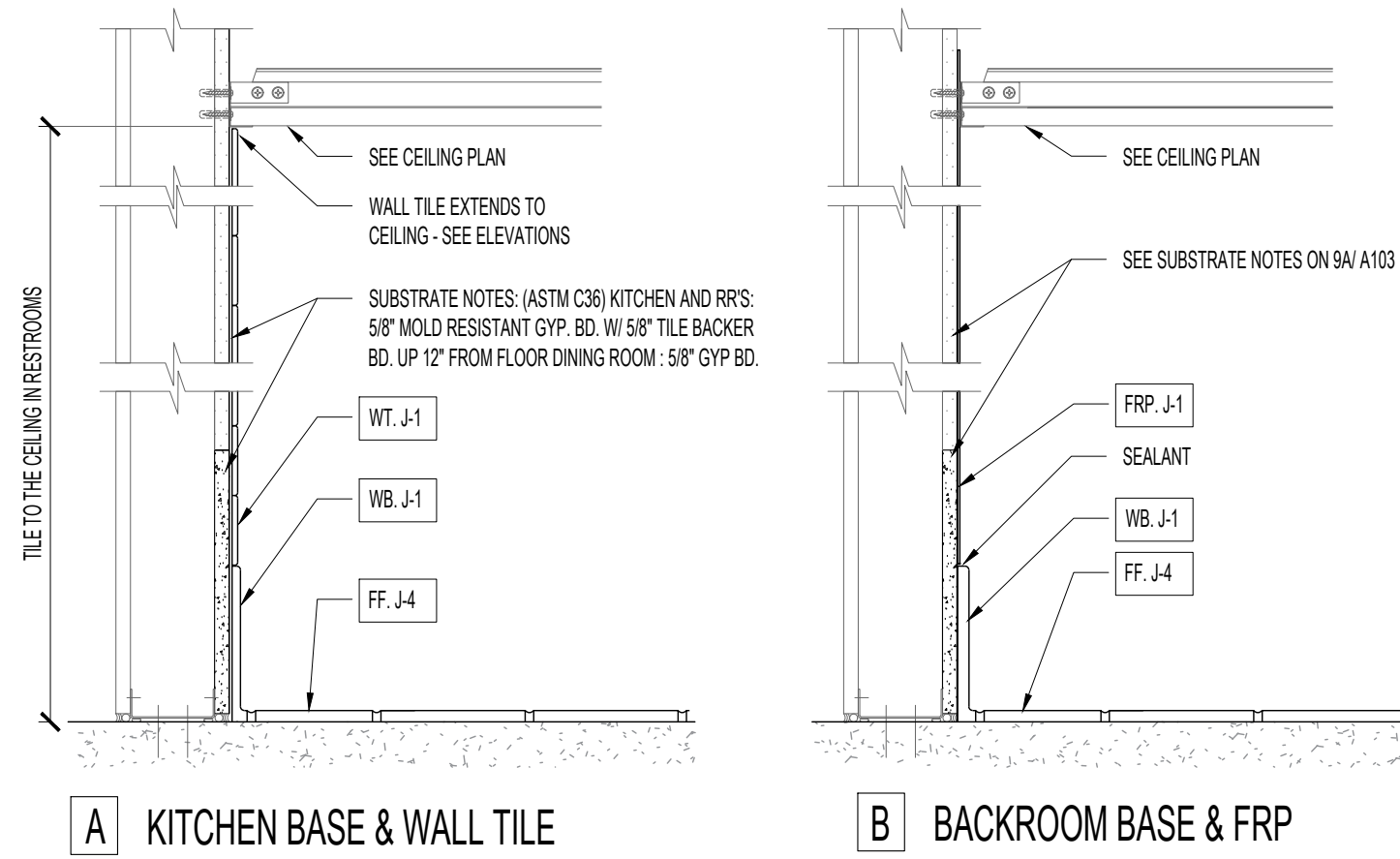
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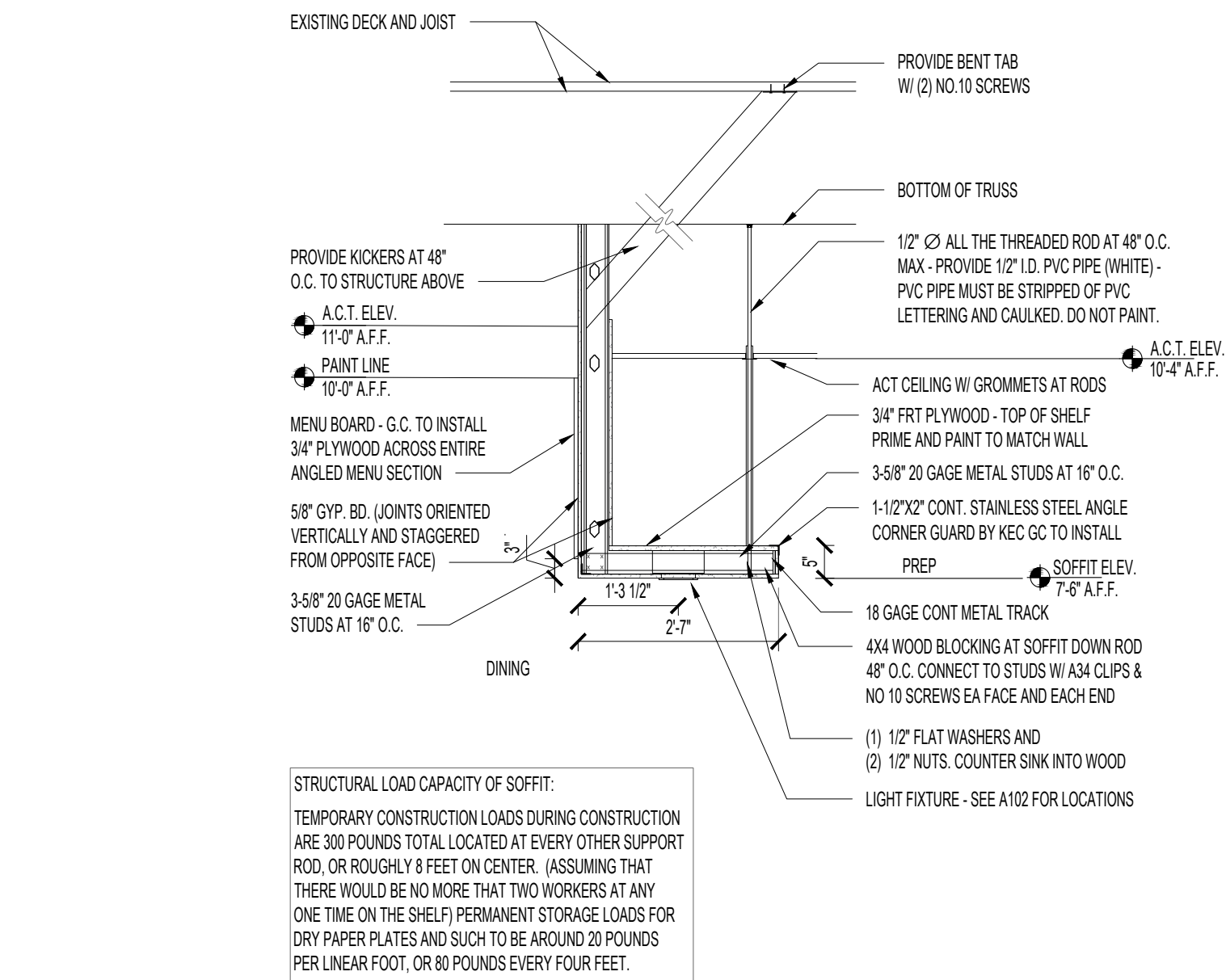
7 SHELVING FRAMING DETAIL
SCALE: 3/4"=1'-0"



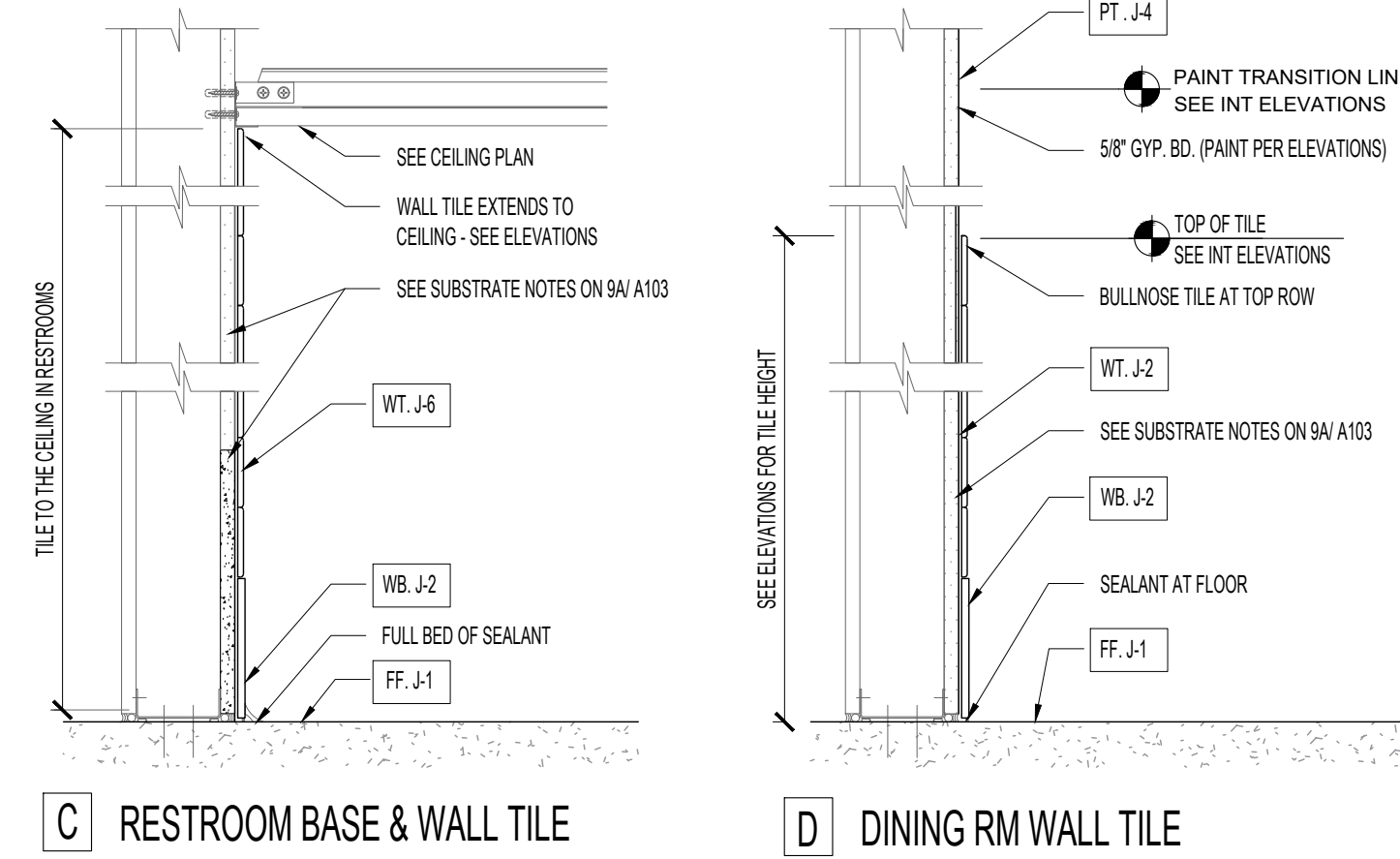
6 DRIVER WALL BLOCKING DETAIL
SCALE: 3/4"=1'-0"



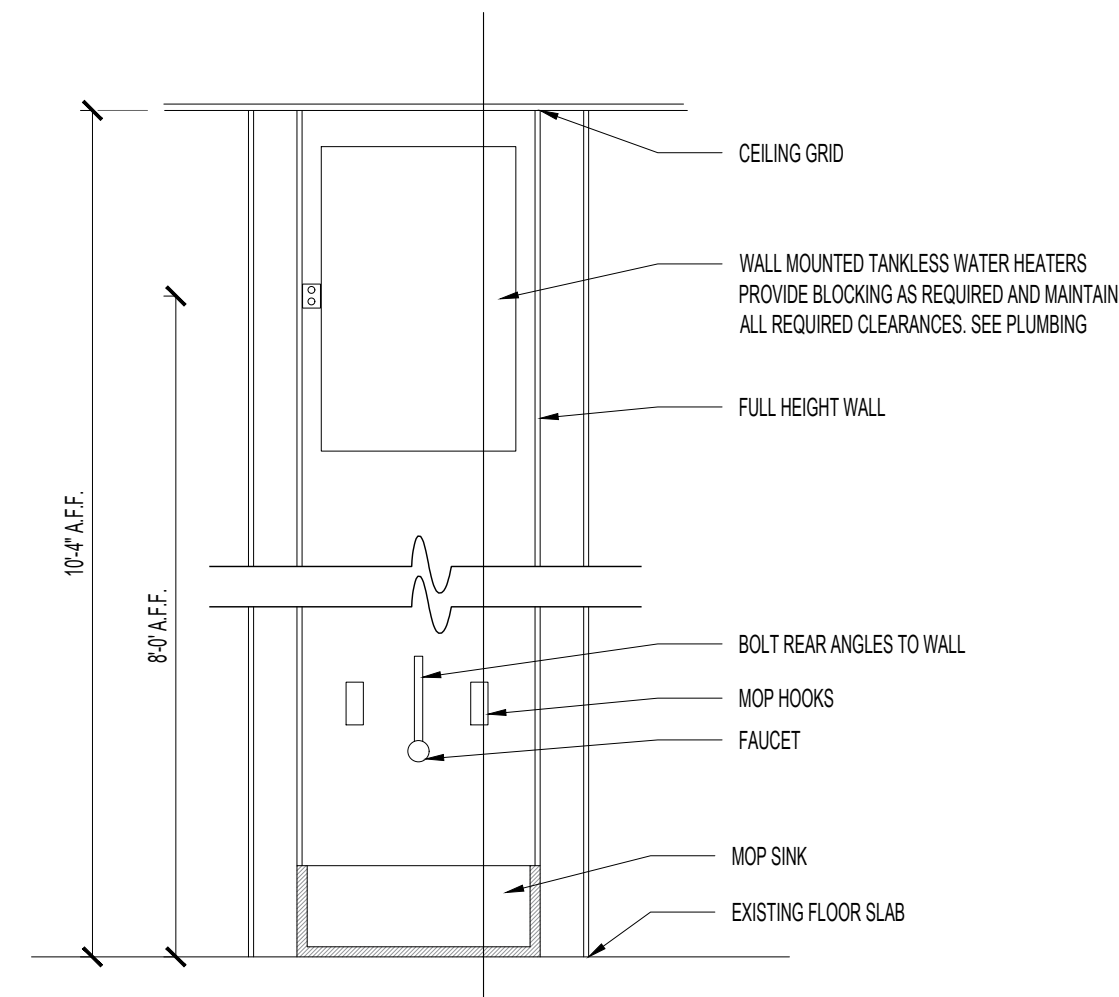
A KITCHEN BASE & WALL TILE
B BACKROOM BASE & FRP



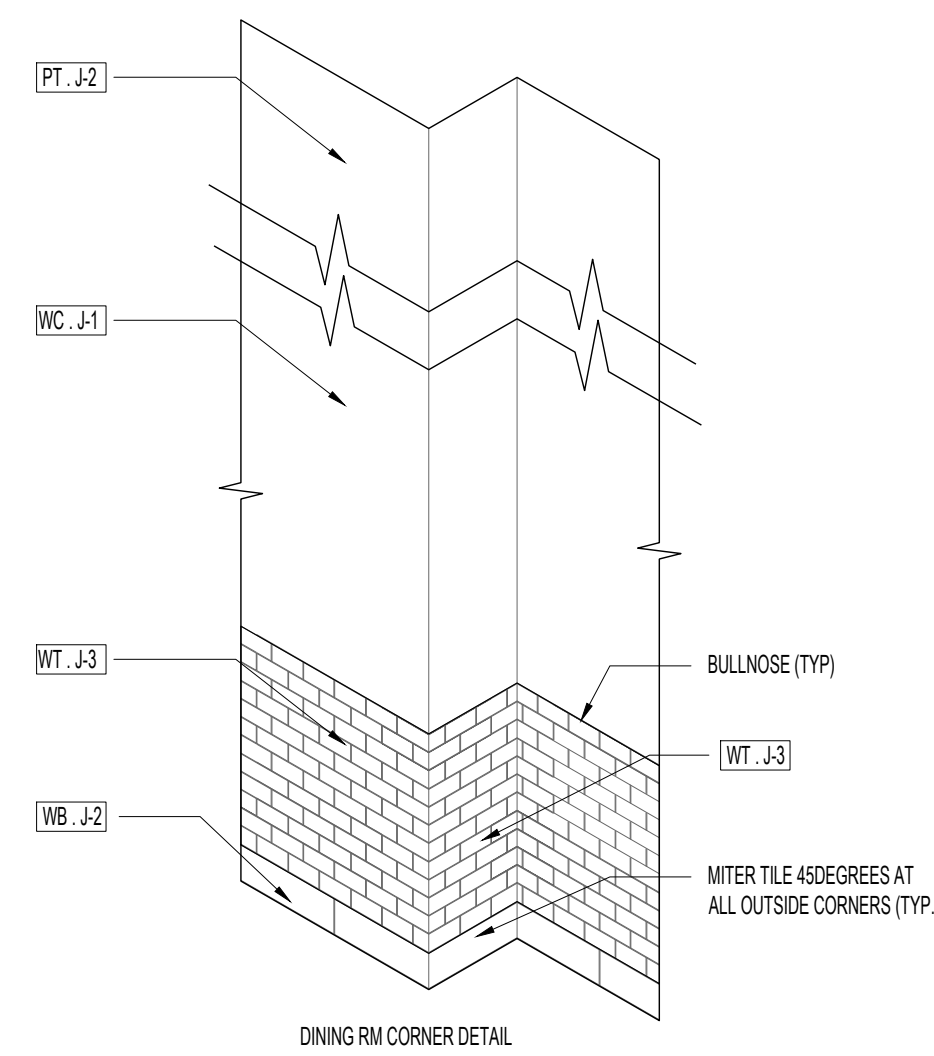
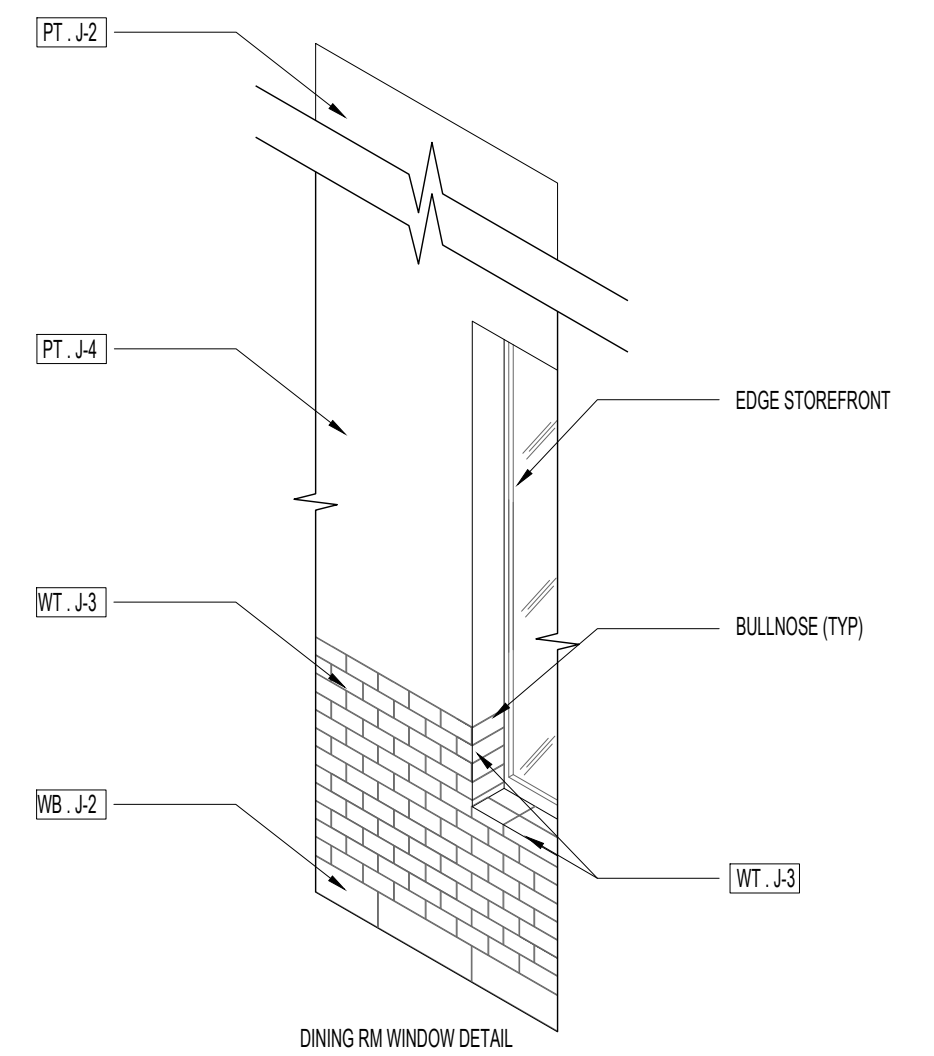
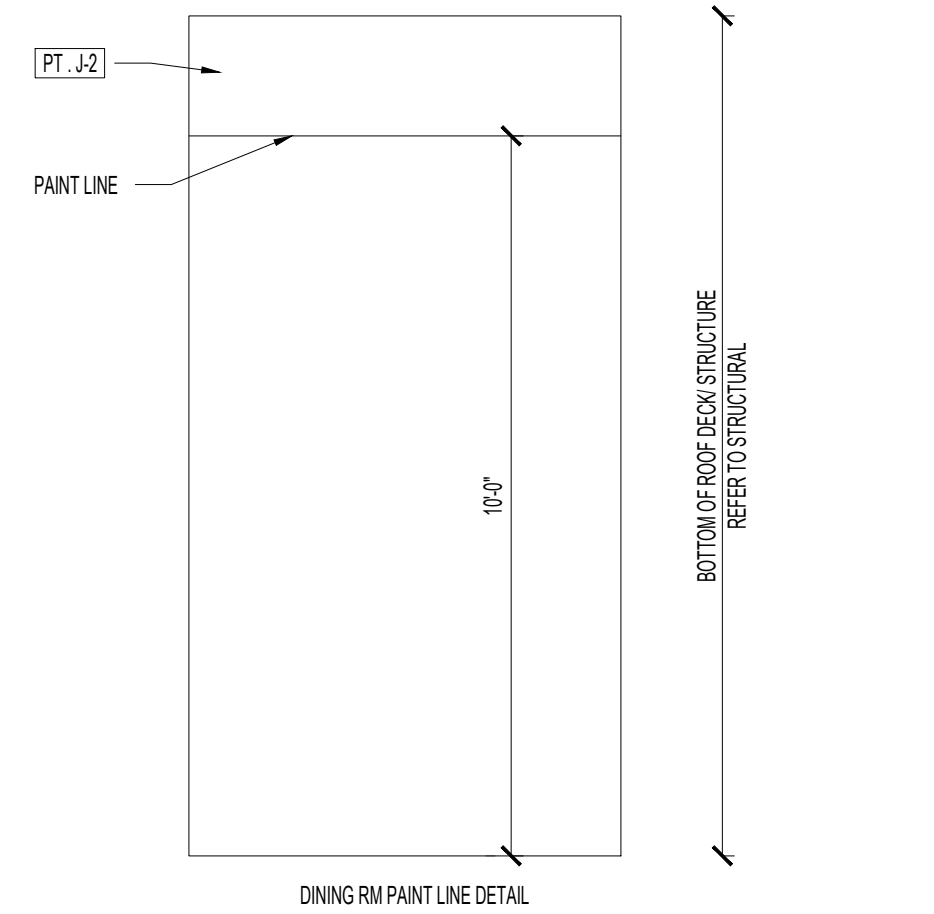
4 SECTION @ FRONT SOFFIT
SCALE: 1/2"=1'-0"



C RESTROOM BASE & WALL TILE
D DINING RM WALL TILE



2 MOP SINK
SCALE: 1-1/2"=1'-0"



1 TRANSITION DETAILS
SCALE: 3/8"=1'-0"

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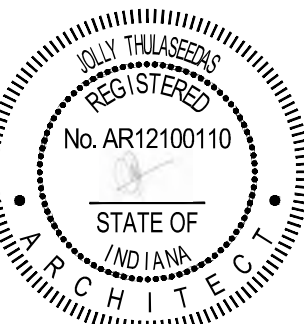
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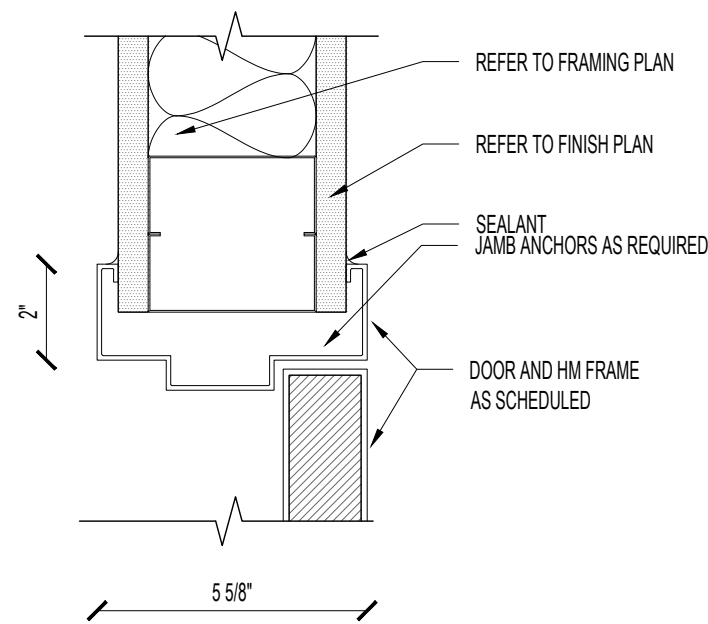
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FRAMING
DETAILS

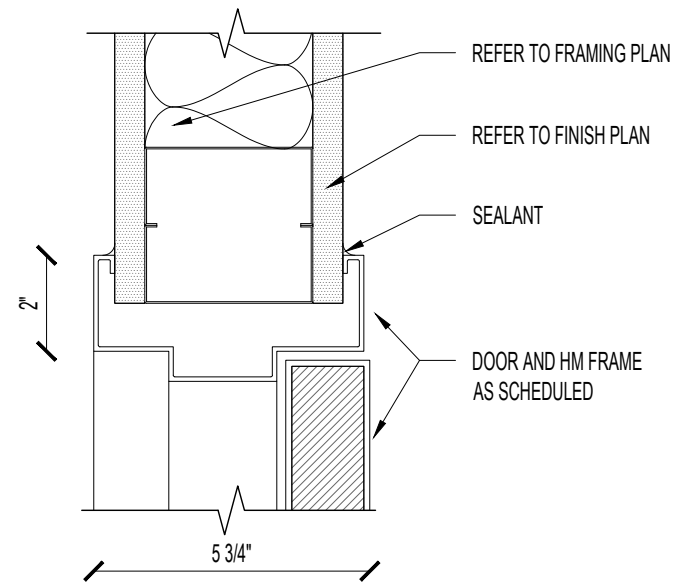
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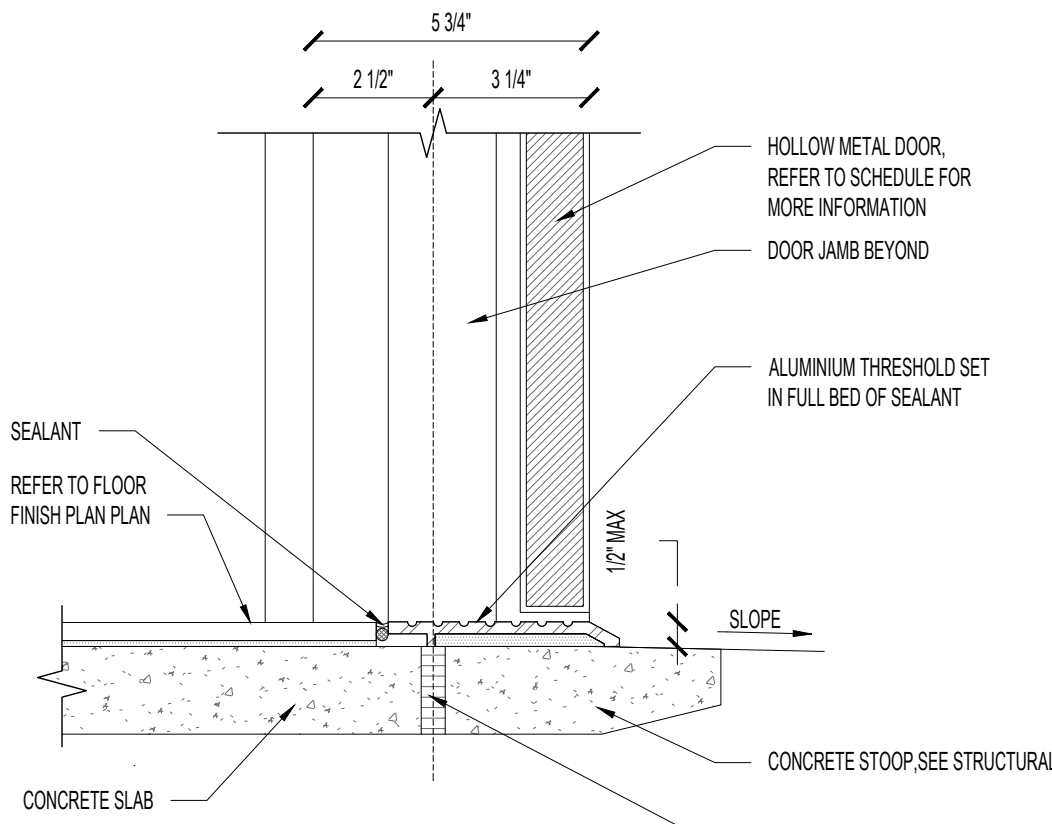
6 INTERIOR DOOR JAMB

SCALE: 3/8"=1'-0"



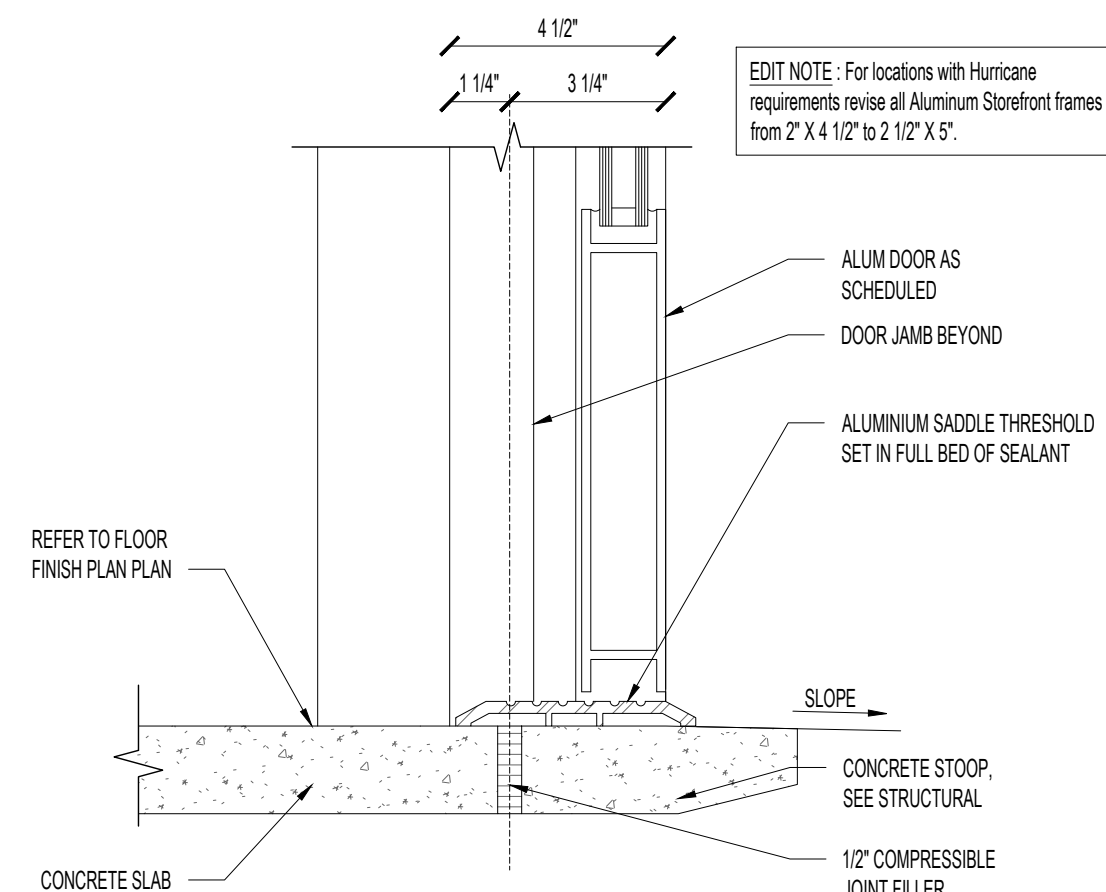
5 INTERIOR HEAD DETAIL

SCALE: 3/8"=1'-0"



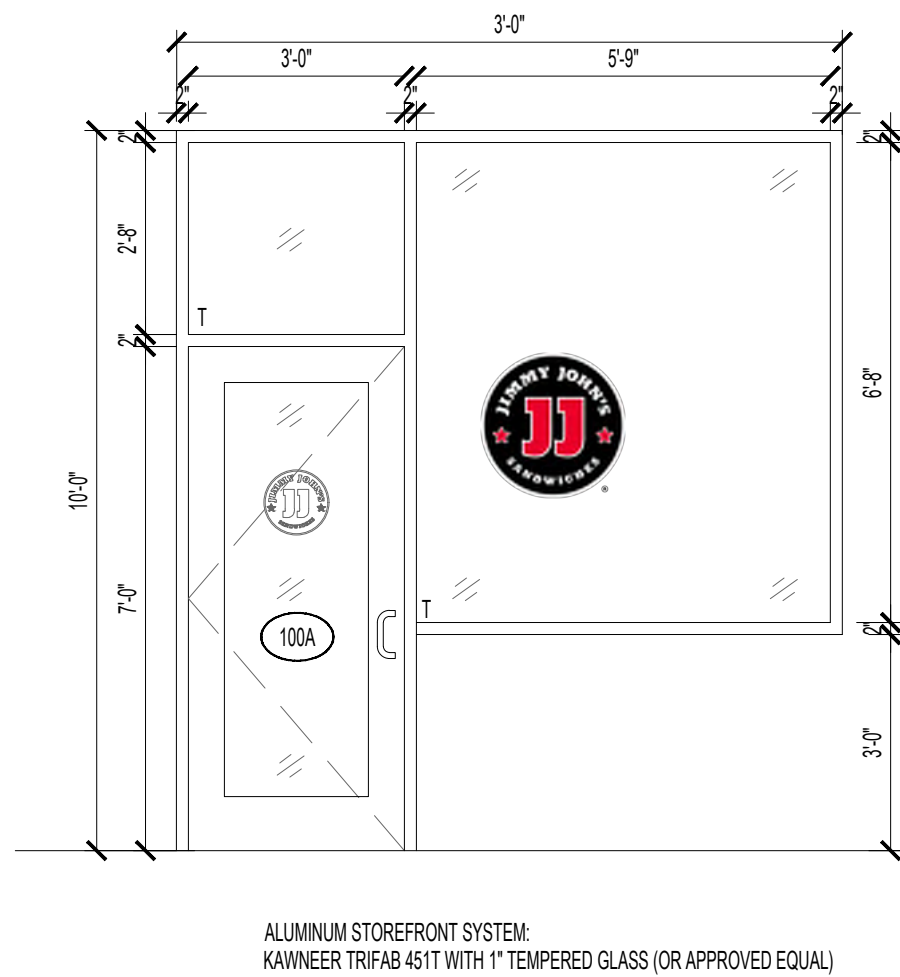
4 HM DOOR THRESHOLD

SCALE: 3/8"=1'-0"

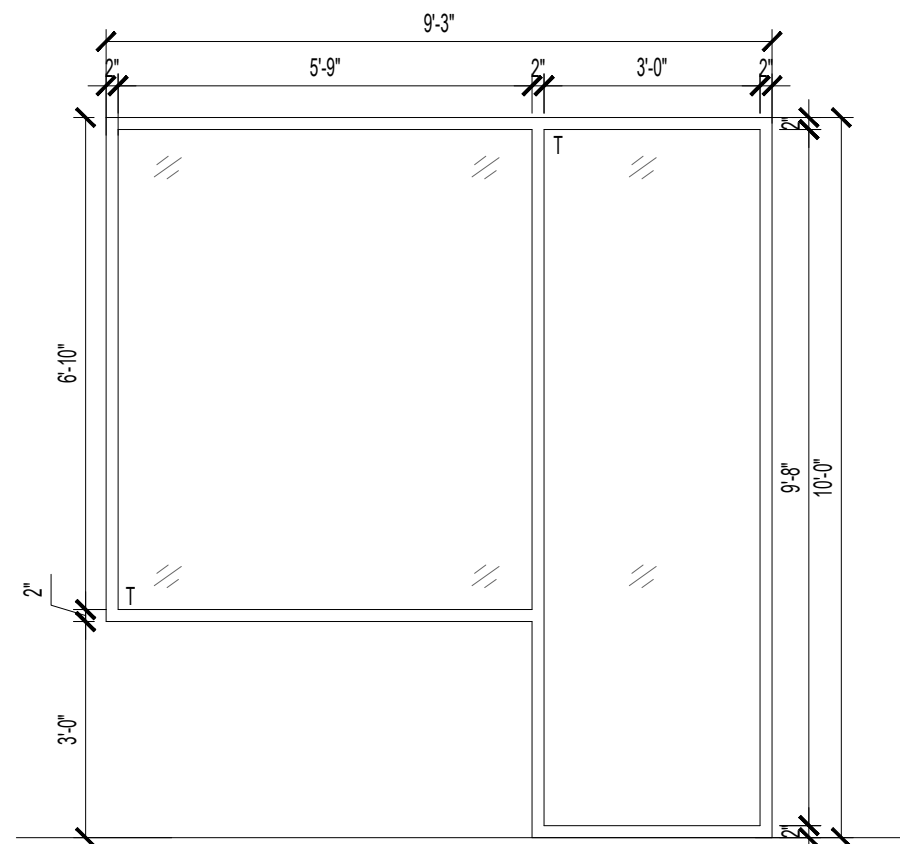


3 ALUMINIUM DOOR THRESHOLD

SCALE: 3/8"=1'-0"



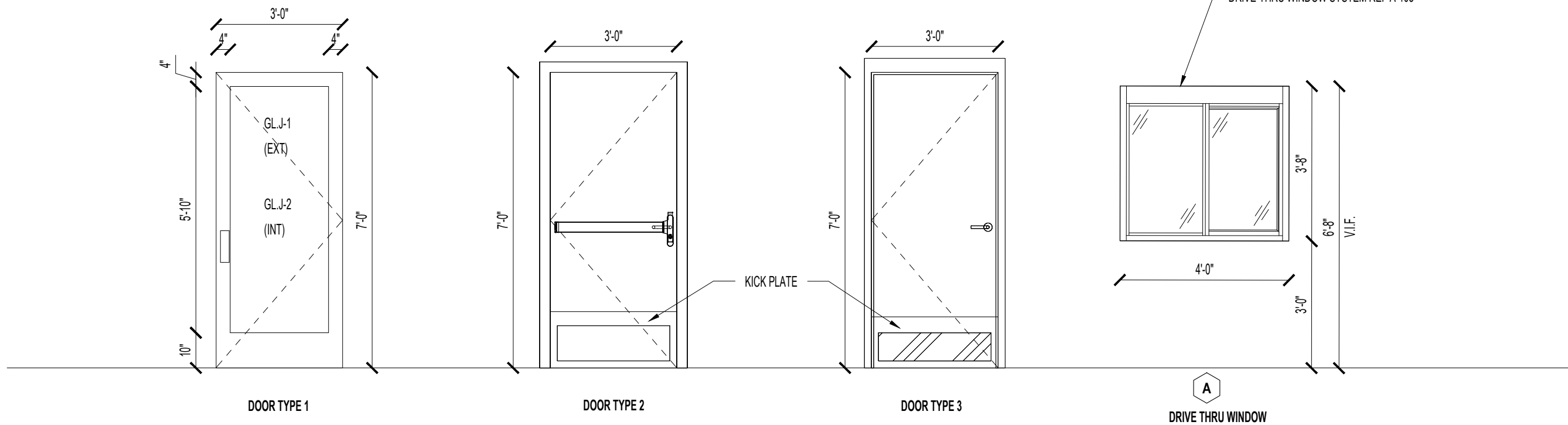
ALUMINIUM STOREFRONT SYSTEM:
KAWNEER TRIFAB 451T WITH 1" TEMPERED GLASS (OR APPROVED EQUAL)



ALUMINIUM STOREFRONT SYSTEM:
KAWNEER TRIFAB 451T WITH 1" TEMPERED GLASS (OR APPROVED EQUAL)

2 STOREFRONT

SCALE: 3/8"=1'-0"



1 DOOR & WINDOW TYPES

SCALE: 3/8"=1'-0"

DOOR NO.	DOOR LOCATION	DOOR					FRAME	FRAME FINISH	HDMR SET	REMARKS
		DOOR TYPE	WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL			
100A	MAIN ENTRY	1	3'-0"	7'-0"	ALUMGLASS	FACTORY FINISH	ALUMINIUM	MATCH SF	1	B,I,J - G.C. TO PROVIDE PANIC HARDWARE
102	REAR ENTRY	2	3'-0"	7'-0"	HOLLOW METAL	PT.J-6	HOLLOW METAL	PT.J-6	3	A,B,C,E,F,G
105	ADA UNSEX RESTROOM	3	3'-0"	7'-0"	HOLLOW METAL	PT.J-6	HOLLOW METAL	PT.J-6	2	A,B,C,D,H

HARDWARE SCHEDULE		
GROUP 1: STOREFRONT ENTRY DOORS		
QTY	MFG	ITEMS
(1) LOCKSET - SINGLE CYLINDER DEAD BOLT SECURITY LOCK BY U-CHANGE INDUSTRIES		
(1) CLOSER - LCN 1260 SERIES (US260) HINGES - TOP BOTTOM & STANDARD INTERMEDIATE OFFSET PIVOTS		
(1) PULL - KAWNEER CO-12 (US320) OR HAGER 12L (US320) (1) PANIC BAR - FALCON 1750 RIM EXIT DEVICE		
(1) THRESHOLD - HEAVY DUTY 1716 PEMKO		
(1) SWEEP - 315SSR PEMKO		
**INTERIOR SLIDELOCK WITH HOLE TO RECEIVE A PADLOCK - MANUAL OPERATION		
G.C. TO ENSURE WEATHER STRIPPING.		
GROUP 2: RESTROOM DOORS		
QTY	MFG	ITEMS
(1) 1/2" PAIR HAGER HINGES BB1279, 4 1/2 X 4 1/2 (US260 FIN.)		
(1) YALE AL4602LN 626 AUGUSTA LEVER HANDLED PRIVACY LOCK (US260)		
(1) LCN SUPER SMOOTHIE DOOR CLOSER SERIES #4041 (US260 FIN.)		
(1) HAGER 220W US260 CONVEX WALL STOP		
(2) 6"X34" - HAGER 190S US320 SIS KICKPLATES (BOTH SIDES)		
GROUP 3: EXTERIOR SERVICE DOOR		
QTY	MFG	ITEMS
(1) 1/2" PAIR HAGER HINGES BB1279, 4 1/2 X 4 1/2 (US260 FIN.)		
(1) SCHLAGE 20-001 MORTISE CYLINDER C KEYWAY		
(1) LCN SUPER SMOOTHIE DOOR CLOSER SERIES #4041 (US260 FIN.)		
(1) 6"X34" - HAGER 190S US320 SIS KICKPLATES (INTERIOR SIDE ONLY)		
(1) PANIC BAR - 22 L RIM PANIC BAR EXIT DEVICE WITH EXTERIOR LEVER		
-VON DRRIN - ALUM FIN		
(1) THRESHOLD - HEAVY DUTY, 1716 PEMKO		
(1) SWEEP - 303AV, SIZE AS REQUIRED - PEMKO		
(1) WEATHERSTRIP - 303AV, SIZE AS REQUIRED - PEMKO		

WINDOW NOTES	
1.	VERIFY ALL DIMENSIONS IN THE FIELD.
2.	G.C. TO SUBMIT SHOP DRAWINGS TO OWNER FOR REVIEW & APPROVAL PRIOR TO FABRICATION.
3.	INDIVIDUAL LITES DESIGNATED WITH THE "T" SYMBOL REQUIRE TEMPERED SAFETY GLASS- VERIFY ADDITIONAL REQUIREMENTS WITH APPLICABLE BUILDING CODES.
4.	ALL GLAZING TO BE TEMPERED (T) WHERE ALL OF THE FOLLOWING EXISTS: a. INDIVIDUAL PANEL IS GREATER THAN 9 SQ.F. b. BOTTOM EDGE OF THE GLAZING < 18" ABOVE THE FLOOR. c. THE TOP EDGE OF GLAZING > 36" ABOVE THE FLOOR. d. A WALKING SURFACE IS WITHIN 36" OF THE PLANE OF THE GLAZING PANEL.

DOOR REMARKS	
A.	PROVIDE WOOD BLOCKING FOR DOOR STOPS.
B.	CLOSER TO BE MOUNTED ON DOOR, NOT FRAME.
C.	CLOSER TYPE TO BE 36" OPENING.
D.	PAINT DOORS AND FRAMES BOTH SIDES PT-6
E.	EXTERIOR SIDE OF DOOR TO BE PAINTED TO MATCH EXISTING ADJACENT SURFACE.
F.	PAINT DOOR AND FRAME PT-3 WHEN IN BACK OF HOUSE.
G.	PROVIDE H.C. ACCESSIBLE UNSEX RESTROOM SIGNAGE AT WALL OUTSIDE PF DOOR AS REQUIRED BY GOVERNING AUTHORITIES. SEE G-104.

DOOR NOTES	
1.	EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2.	ALL FIRE RATED DOORS AND ALL EXTERIOR SWINGING DOORS SHALL HAVE CLOSERS.
3.	ALL INTERIOR DOORS TO BE SOLID WOOD CORE WITH BIRCH VENEER STAINED SEE FINISH SCHEDULE AND DOOR SCHEDULE
4.	ALL NEW DOOR HARDWARE SHALL BE BRUSHED ALUMINIUM / STIN CHROME (US 260 FINISH), UNLESS NOTED OTHERWISE.
5.	ENTRY / EXIT DOORS TO HAVE SIGN "THIS DOOR TO REMAIN UNLOCKED WHILE BUILDING IS OCCUPIED" POSTED.
6.	DOOR OPENING FORCE SHALL NOT EXCEED 5 LBS
7.	ALL DOOR OPERATING HARDWARE SHALL BE MOUNTED AT 38" A.F.F.
8.	DOOR HARDWARE MUST BE OPERABLE BY A SINGLE HAND WITHOUT TIGHT GRASPING, TIGHT PINCHING OR TWISTING.
9.	"T" INDICATES TEMPERED GLASS.
10.	HOLLOW METAL FRAMES MUST BE 2" WELDED FRAMES.
11.	ALL INTERIOR DOOR CLOSERS MUST NOT BE SEEN FROM DINING SIDE.
12.	SLIDERS ARE REQUIRED FOR ALL H.M. DOOR FRAMES - HAGER 207D DOOR.

SEAL

CLIENT

OM GROUP
AMIT PATEL
200 S.FRONTAGE SUITE 310
BURR RIDGE,IL 60527
EMAIL: amit60540@gmail.com



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DES PLAINES, IL 60016
847- 497-8159

CONSULTANT

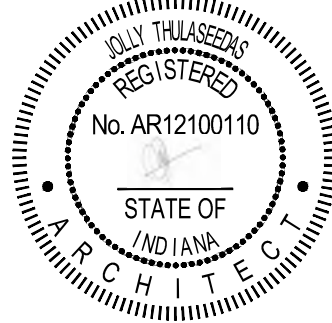
CONSULTANT

JIMMY JOHNS

626 E. NATIONAL ROAD
BRAZIL, IN 47834

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REV	REV DESCRIPTION	DATE
-	ISSUED FOR PERMIT	07/11/2025



DATE: 08/01/2025
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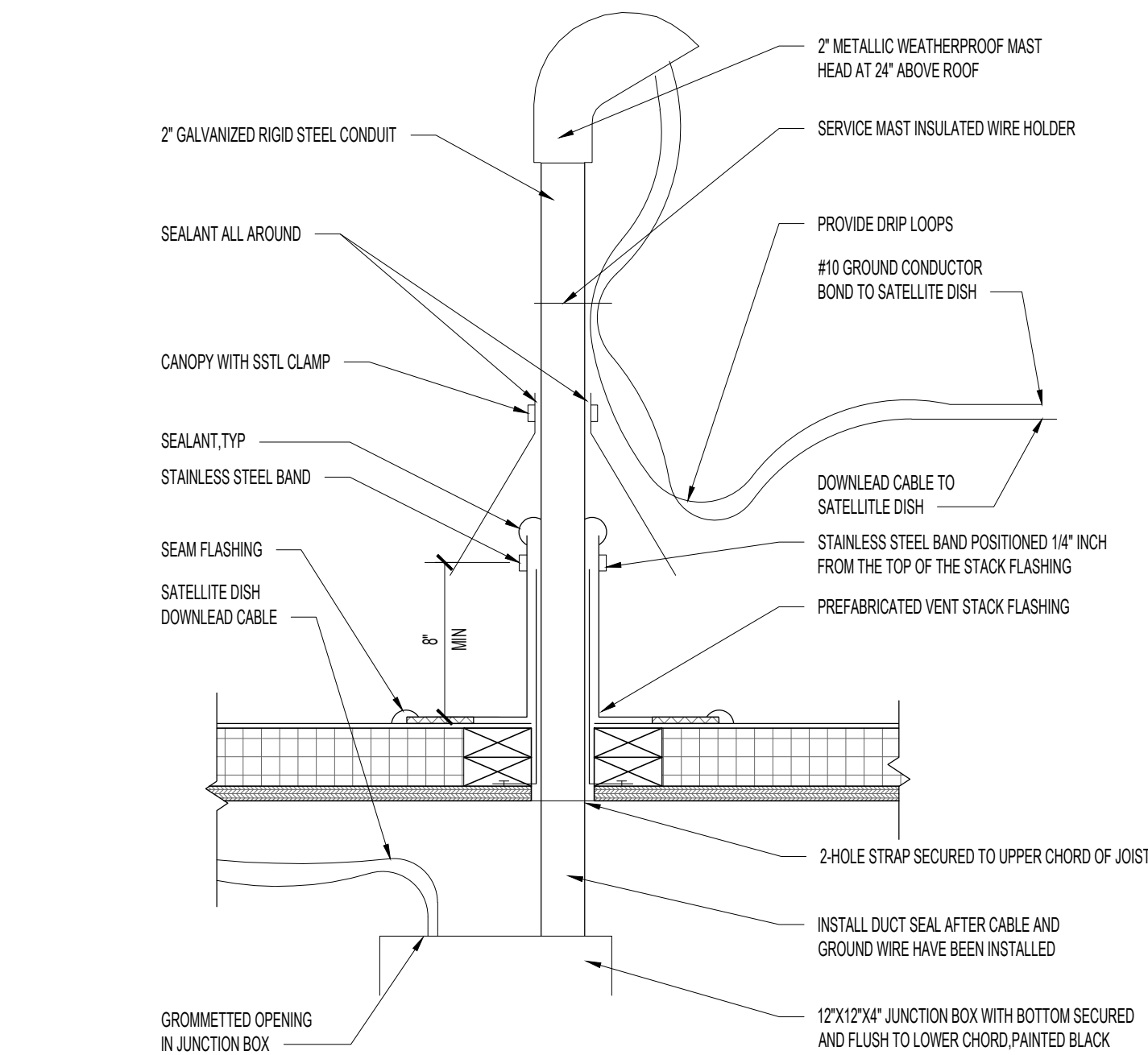
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Reviewed By: SK
Project Number: SKB-25-0111

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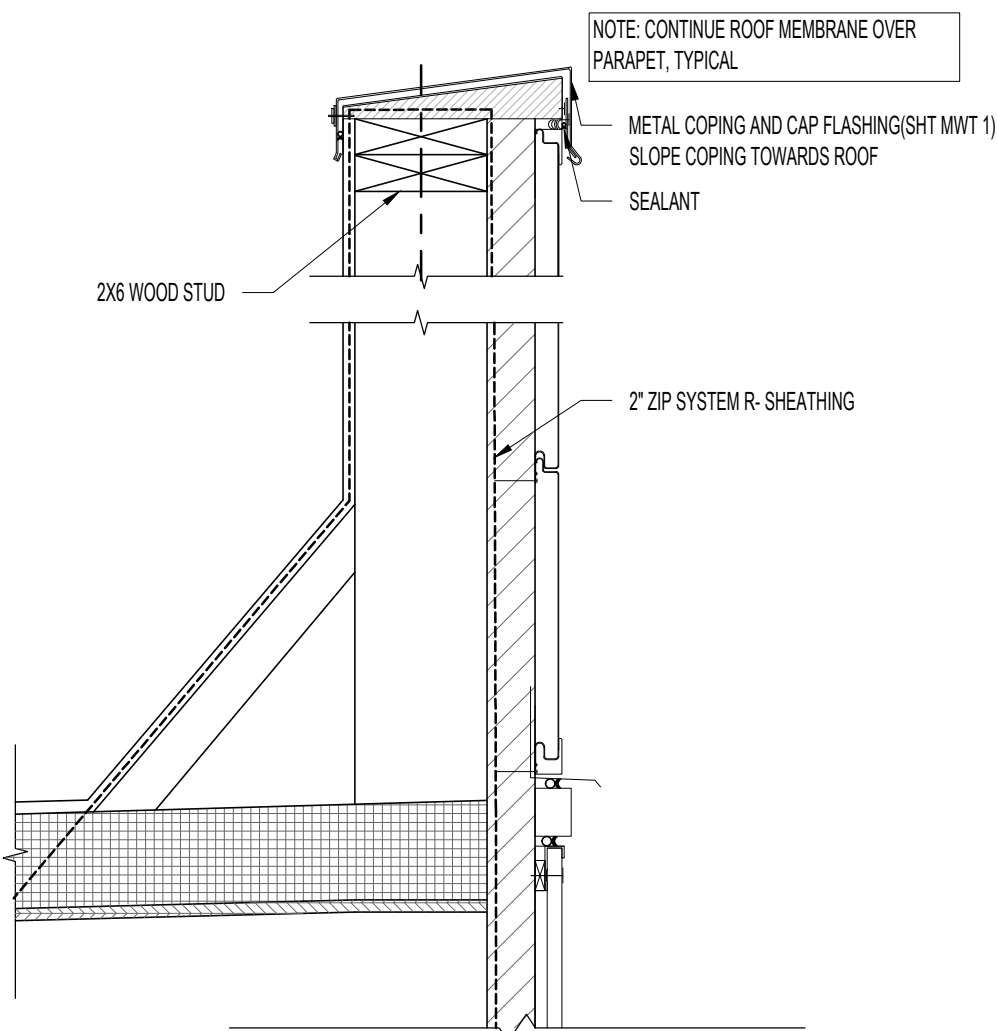
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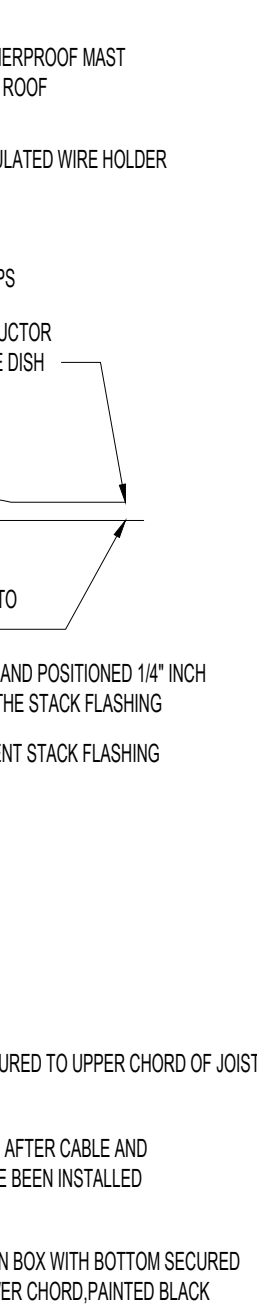
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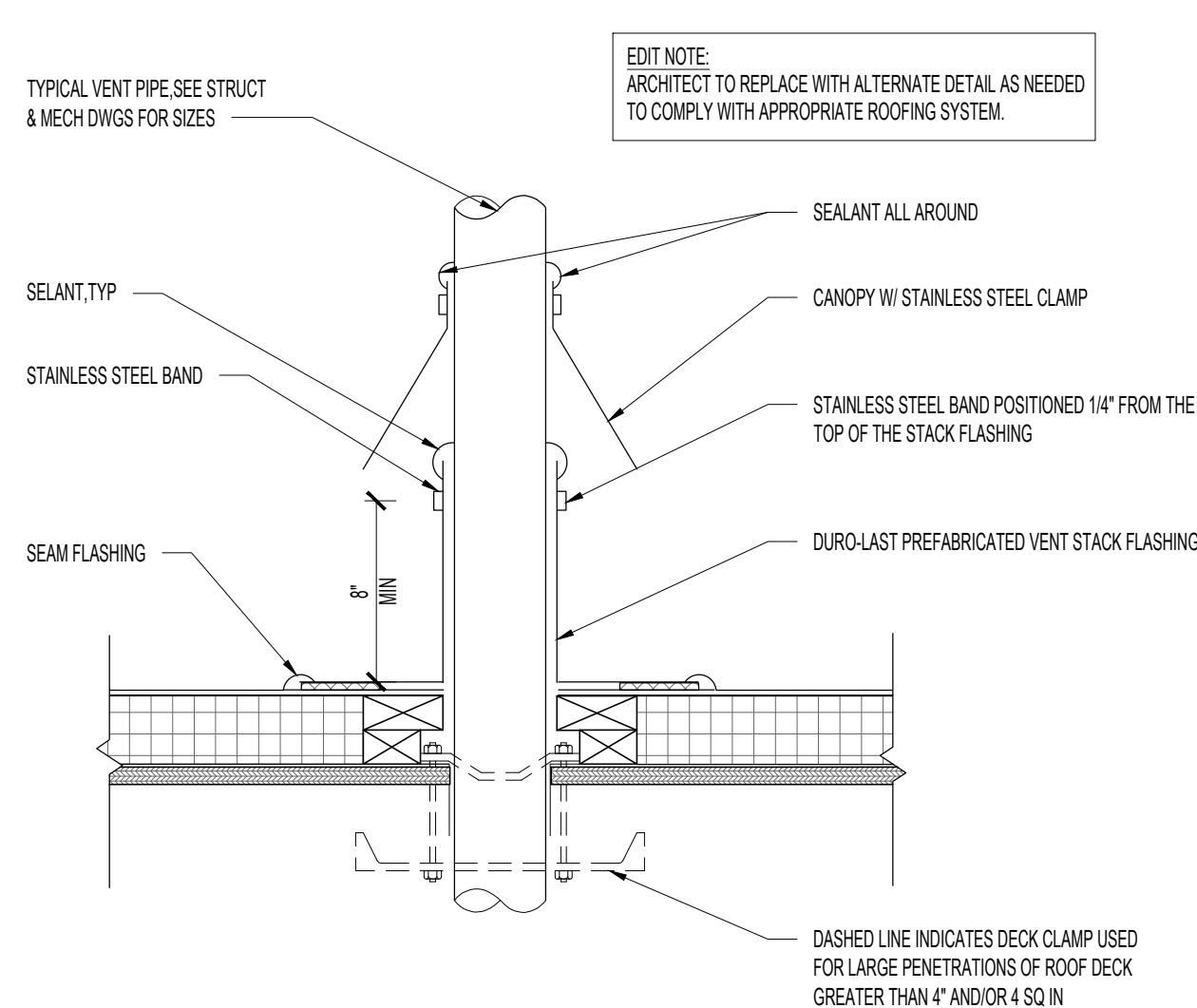
7 CONDUIT PENETRATION-DURO-LAST
SCALE: 1-1/2"=1'-0"



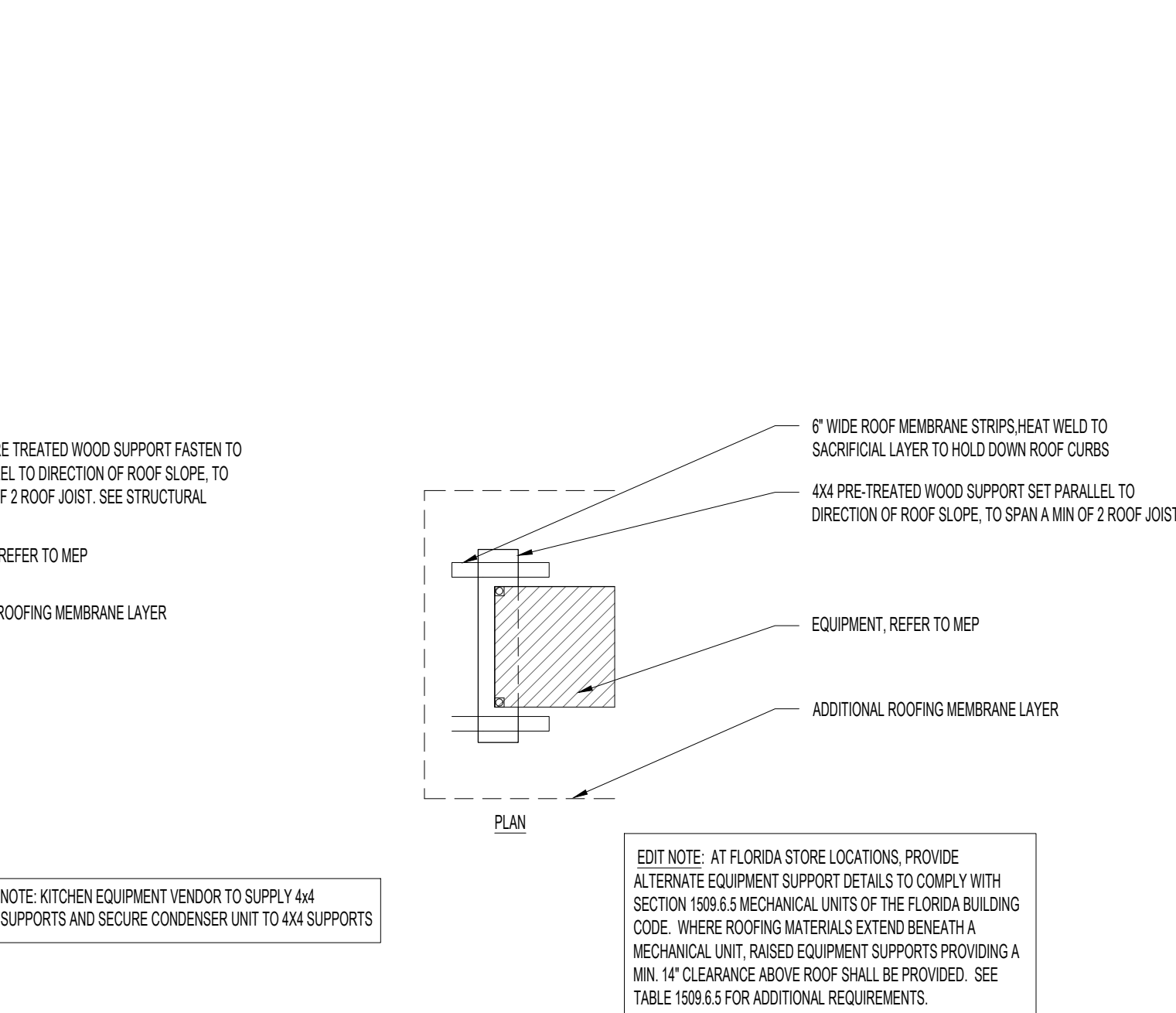
4 PARAPET AT FCP
SCALE: 1-1/2"=1'-0"



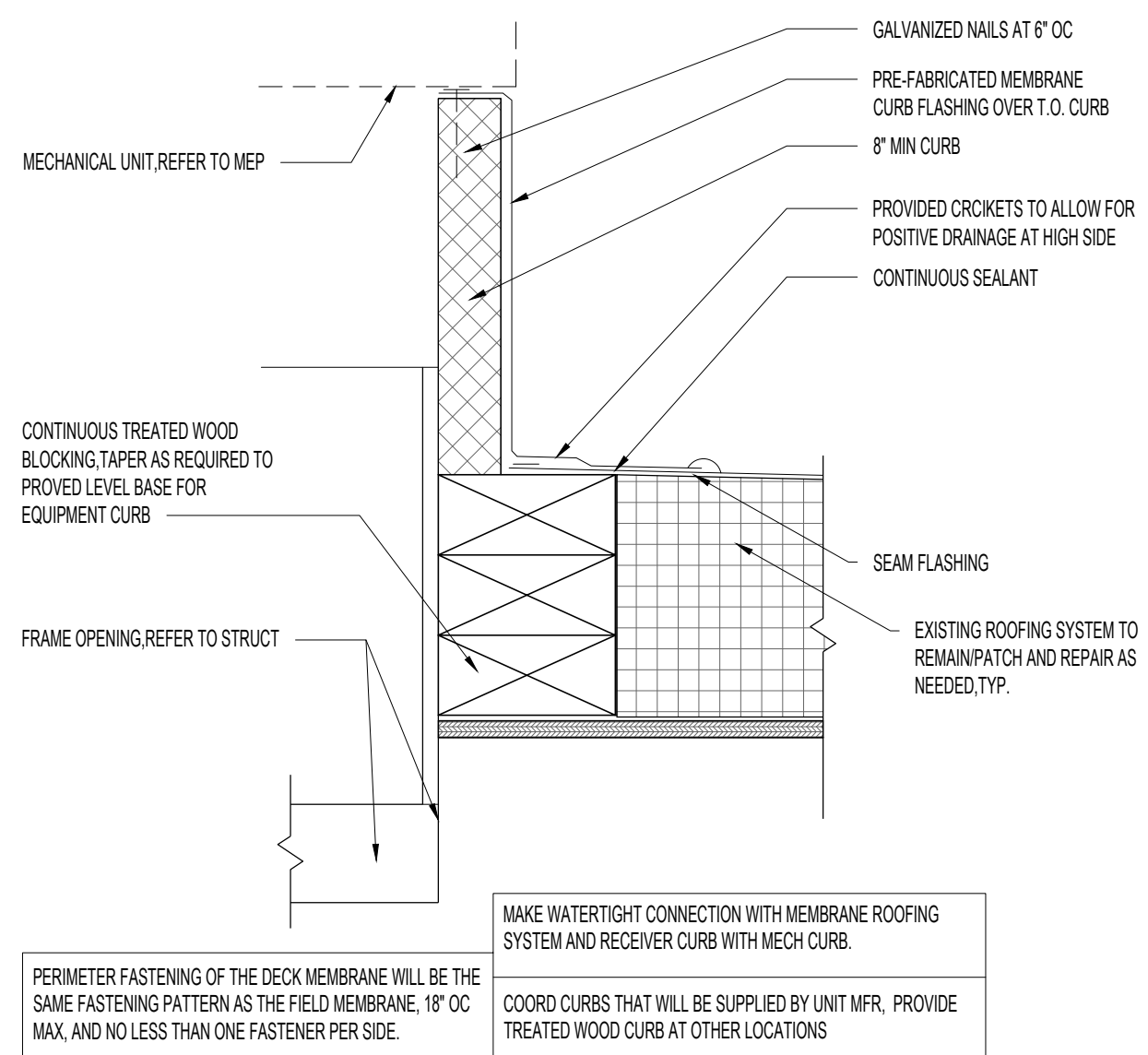
6 EQUIPMENT SUPPORT
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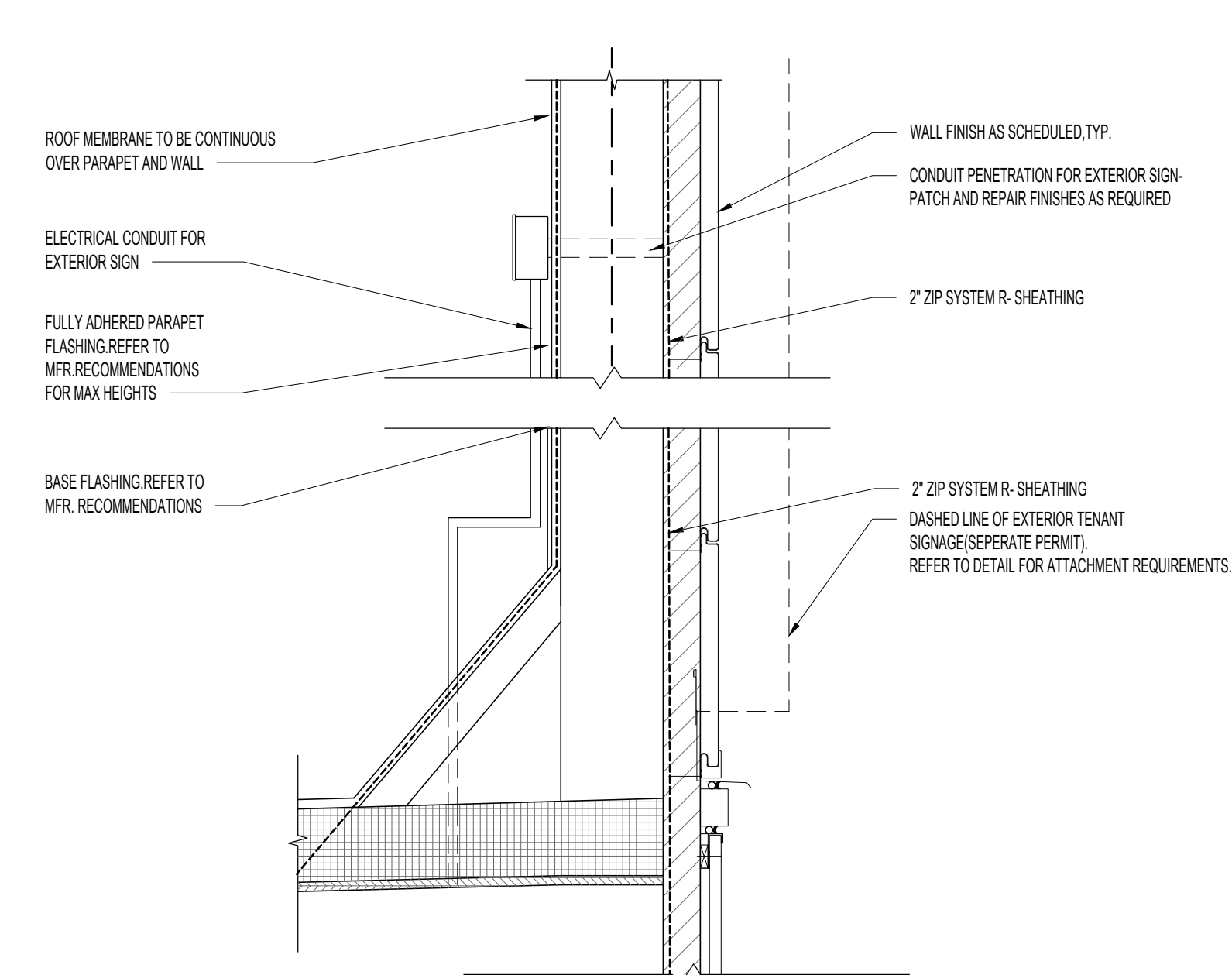
3 PIPE FLASHING-DURO-LAST
SCALE: 1-1/2"=1'-0"



2 RTU CURB - DURO-LAST
SCALE: 1-1/2"=1'-0"



5 PARAPET AT SIGN
SCALE: 1-1/2"=1'-0"



1 SIGNAGE DETAIL
SCALE: 1-1/2"=1'-0"

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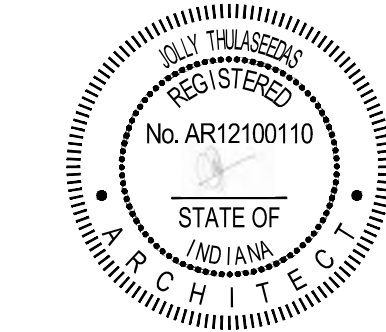
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Drawn / Designed By: SV
Reviewed By: SK
Project Number: SKB-25-0111

SHEET NAME:

**TYPICAL
DETAILS**

SHEET NUMBER:

A-806

GENERAL STRUCTURAL NOTES

- 10

ALL CONSTRUCTION SHALL CONFORM TO THE INDIANA BUILDING CODE 2014. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED AND PUBLISHED.
- 11

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK OR FABRICATION. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES. ALL WORK COMPLETED THAT DOES NOT CONFORM TO THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED AT RISK.
- 12

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, AND TEMPORARY SUPPORTS. THE STRUCTURAL ELEMENTS ARE NOT STABLE UNTIL THE STRUCTURE IS COMPLETE.
- 13

ALL WORK SHALL CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL LAWS.
- 14

THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO DIGGING, BORING OR EXCAVATING SOILS OR DRILLING, BORING OR CUTTING CONCRETE.
- 15

DIMENSIONS ON STRUCTURAL DRAWINGS ARE TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AS WELL AS AGAINST FIELD CONDITIONS BY CONTRACTORS.
- 16

UNLESS NOTED OTHERWISE, DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS.
- 17

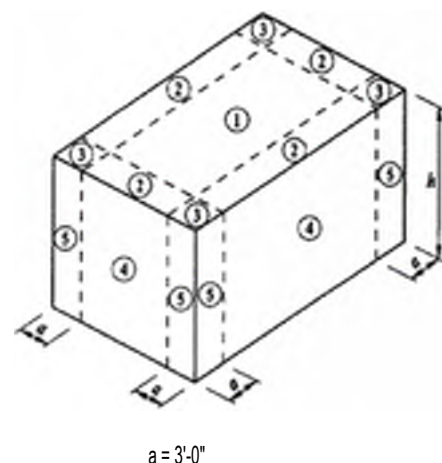
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, HANGERS, SLEEVES, DUCTWORK, PADS, AND ANCHOR RODS THAT ARE REQUIRED BY MECHANICAL EQUIPMENT.
- 18

IF DISCREPANCIES APPEAR ON THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION FROM THE ARCHITECT BEFORE BIDDING. IF THE CONTRACTOR FAILS TO MAKE SUCH REQUEST, IT IS PRESUMED THAT BOTH PROVISIONS WERE INCLUDED IN THE BID AND THE ARCHITECT SHALL DETERMINE WHICH OF THE CONFLICTING REQUIREMENTS SHALL GOVERN. THE CONTRACTOR SHALL PERFORM THE WORK AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH THE ARCHITECT'S DETERMINATION.
- 19

REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- 110

PLAN AND SPECIFICATIONS SHALL BE PROVIDED FOR REVIEW AND APPROVAL FOR PRE-ENGINEERED ROOF AND BUILDING SYSTEMS, WHICH ARE SEALED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED PRIOR TO THE ERECTION OF THE STRUCTURES, AS DEFERRED SUBMITTAL.

STRUCTURAL DESIGN CRITERIA

LOCATION	BRAZIL, IN																													
RISK CATEGORY	II																													
DEAD LOAD: ROOF TRUSS TOP CHORD ROOF TRUSS BOTTOM CHORD	10 PSF 10 PSF																													
LIVE LOAD: ROOF LIVE LOAD	20 PSF																													
SNOW LOAD: GROUND SNOW LOAD (P _g) IMPORTANCE FACTOR (I _s)	20 PSF 1.0																													
WIND DESIGN: ULTIMATE WIND SPEED, 3 SECOND GUST IMPORTANCE FACTOR (I _w) EXPOSURE	V = 115 MPH I = 1.0 B																													
COMPONENT & CLADDING DESIGN WIND PRESSURE																														
<table><tr><th rowspan="2">ZONE</th><th colspan="3">TRIBUTARY AREA (FT²)</th></tr><tr><th>A=10</th><th>A=50</th><th>A=100</th></tr><tr><td rowspan="2">WALLS</td><td>4</td><td>+22.24</td><td>+20.22</td><td>+19.21</td></tr><tr><td>5</td><td>+22.30</td><td>+20.25</td><td>+19.23</td></tr><tr><td rowspan="3">ROOF</td><td>1</td><td>+16.24</td><td>+16.23</td><td>+16.22</td></tr><tr><td>2</td><td>+22.40</td><td>+20.30</td><td>+19.26</td></tr><tr><td>3</td><td>+22.40</td><td>+20.30</td><td>+19.26</td></tr></table>	ZONE	TRIBUTARY AREA (FT²)			A=10	A=50	A=100	WALLS	4	+22.24	+20.22	+19.21	5	+22.30	+20.25	+19.23	ROOF	1	+16.24	+16.23	+16.22	2	+22.40	+20.30	+19.26	3	+22.40	+20.30	+19.26	
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	3	+22.40	+20.30	+19.26																										
ALL PRESSURES ARE PROVIDED IN PSF ** INDICATES POSITIVE PRESSURE (TOWARD THE SURFACE) & * INDICATES NEGATIVE PRESSURE (AWAY FROM THE SURFACE)																														
SEISMIC DESIGN: IMPORTANCE FACTOR (I _s) SITE CLASS SEISMIC DESIGN CATEGORY S _s S ₁ S _{1s} S ₀₁	1.0 D C 0.236 0.108 0.252 0.170																													
SEISMIC FORCE RESISTING SYSTEM	LIGHT-FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE																													
R D ₀ C _s	6.5 3 4																													
SEISMIC RESPONSE COEFFICIENT (C _s) ANALYSIS PROCEDURE	0.039 EQUIVALENT LATERAL FORCE PROCEDURE																													
FOUNDATION DESIGN: REFERENCE GEOTECHNICAL REPORT PREPARED BY APEC (AP ENGINEERING & CONSULTING, INC.) PROJECT NO. 2024-472F, DECEMBER 9, 2024																														
ALLOWABLE NET SOIL BEARING PRESSURE = 1500 PSF																														
DEFLECTION CRITERIA: ROOF FRAMING: LIVE LOAD DEFLECTION TOTAL LOAD DEFLECTION	L/360 L/240																													

FOUNDATION & SLAB ON GRADE

- 20

A GEOTECHNICAL ENGINEER LICENSED IN THE PROJECT STATE SHALL INSPECT THE CONDITION AND ASSURE THE ADEQUACY OF ALL SUB GRADES, FILLS AND BACK FILLS BEFORE PLACEMENT OF FOUNDATIONS, FOOTINGS, SLABS, AND WALLS. KP&J ARCHITECTS AND ENGINEERS, LLC SHALL BE NOTIFIED IMMEDIATELY OF ANY NON-CONFORMING WORK.
- 21

WHEN FOOTING STEPS ARE REQUIRED, THEY SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL.
- 22

PROVIDE 6 MIL MINIMUM POLYETHYLENE VAPOR BARRIER BENEATH FLOOR SLAB. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS TO MAXIMUM EXTENT POSSIBLE.
- 23

BACKFILL SHALL NOT BE PLACED AGAINST RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED.
- 24

CONTROL JOINTS SHALL BE SAWCUT AFTER CONCRETE SURFACE HAS HARDENED ENOUGH SO THAT IT WILL NOT BE EASILY MARRED OR RAVELED. THE IDEAL TIME TO SAWCUT TYPICALLY OCCURS WITHIN 4 TO 12 HOURS AFTER CONCRETE FINISHING HAS BEEN COMPLETED. SAWCUT TIMING DEPENDS ON NUMEROUS FACTORS SUCH AS WEATHER CONDITION AND IS BEST DETERMINED ONSITE. TRIAL SAWCUTS MAYBE PERFORMED TO DETERMINE IF CONCRETE IS READY. SAWCUTTING TOO EARLY CAUSES RAVELING, OR THE DISLOGGING OF AGGREGATE, WHICH RESULTS IN JOINT SPALLS. SAWCUTTING TOO LATE RESULTS IN UNCONTROLLED CRACKING. BEGIN SAWCUTTING AS SOON AS RAVELING STOPS DURING TRIAL CUTS.

- 25

ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SOIL SUBGRADE OR ON THOROUGHLY TESTED AND APPROVED FILL BY GEOTECHNICAL ENGINEER. THE FOOTING ELEVATIONS AND SOIL BEARING CAPACITIES AS SHOWN ON THE DRAWINGS ARE ESTIMATED. FINAL, EXACT ELEVATIONS AND SOIL BEARING CAPACITIES SHALL BE FIELD DETERMINED AND VERIFIED BY THE OWNER'S SOIL TESTING LABORATORY AND REVIEWED BY THE ARCHITECT/ENGINEER DURING CONSTRUCTION.
- 26

THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING CONCRETE.
- 27

ALL FOOTINGS AND SLAB SUBGRADES, INCLUDING PIT SLABS, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS REQUIRED.
- 28

ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACK FILL AREAS AND BACKFILLED WITH SELECT FILL, COMPACTED TO 98 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
- 29

DO NOT UNDERMINE EXISTING CONSTRUCTION.
- 210

PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.
- 211

NO MUD SLABS, FOOTINGS, OR SLABS SHALL BE PLACED ONTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
- 212

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE. SUCH PROTECTION IS ADDITIONAL SCOPE.
- 213

THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS PLACEMENT.
- 214

ALL PERIMETER WALL AND COLUMN FOOTINGS SHALL BEAR A MINIMUM OF 5'-0" BELOW GRADE.
- 215

TEST PITS ARE REQUIRED FOR SOIL CLASSIFICATION AND TO LOCATE GROUND-WATER TABLE, AND VALUES USED AS THE BASIS FOR DESIGN DO NOT EXCEED THE PRESUMPTIVE VALUES IN TABLE 1909.2 (1) OF BUILDING CODE AS LISTED IN 1.0.
- 216

WHERE QUESTIONABLE SOIL CONDITIONS ARE ENCOUNTERED, THE BUILDING OFFICIAL SHALL REQUIRE THAT THE NECESSARY INVESTIGATIONS BE MADE BY A GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE BUILDING CODE. A REPORT SHALL BE PROVIDED TO THE BUILDING OFFICIAL AS DESCRIBED IN BUILDING CODE AS LISTED IN 1.0.

REINFORCED CONCRETE

- 30

ALL WORK SHALL CONFORM TO ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". DESIGN IS BASED ON ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- 31

UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:

FOUNDATIONS & WALLS EXPOSED TO FREEZE THAW CYCLE 4500 PSI (NORMAL WEIGHT)
FOUNDATIONS & WALLS NOT EXPOSED TO FREEZE THAW CYCLE 4000 PSI (NORMAL WEIGHT)
SLAB-ON-GRADE 4000 PSI (NORMAL WEIGHT)
ELEVATED SLABS 4000 PSI (LIGHTWEIGHT-115 LB/CF MAXIMUM DENSITY)
- 32

THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND BE PROVIDED TO KP&J ARCHITECTS & ENGINEERS, LLC OR OWNER UPON REQUEST. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY OF OBTAINING THE REQUIRED DESIGN STRENGTH.
- 33

USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.
- 34

UNLESS NOTED OTHERWISE, SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN BY THE TESTING AGENCY NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 100 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS AND FOUNDATIONS. SAMPLE CONCRETE IN ACCORDANCE WITH ASTM C172. PERFORM THE FOLLOWING TESTS IN ACCORDANCE WITH THE INDICATED STANDARD.

SLUMP: ASTM C143
AIR CONTENT: ASTM C173
COMPRESSIVE STRENGTH: ASTM C39 (ONE CYLINDER AT 7 DAYS, 2 CYLINDERS AT 28 DAYS, AND ONE SPECIMEN HELD IN RESERVE)
- 35

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
- 36

WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A185 AND SHALL BE PROVIDED IN FLAT SHEETS (ROLLS ARE NOT PERMITTED). LAP TWO SQUARES AT SPLICES.
- 37

THE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS OR REBAR INTO WET CONCRETE IS NOT PERMITTED.
- 38

PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE. USE CLASS "B" TENSION SPLICE UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH CLASS "B" TENSION SPLICES. UNLESS NOTED OTHERWISE, LAP LENGTHS EXPRESSED AS NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS:

BAR SIZE	NORMAL WEIGHT CONCRETE, f _c (PSI)				
	CLASS	3000	4000	5000	6000
#6 OR SMALLER	A	44 DIA.	38 DIA.	34 DIA.	31 DIA.
	B	57 DIA.	50 DIA.	45 DIA.	41 DIA.
#7 OR GREATER	A	55 DIA.	48 DIA.	43 DIA.	39 DIA.
	B	72 DIA.	62 DIA.	56 DIA.	51 DIA.
- 39

REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH (NOT FORMED) 3"

FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"

CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLABS & WALLS 1 1/2"
BEAM STIRRUPS & COLUMN TIES 1 1/2"
- 310

DO NOT PLACE PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS WITHIN THE SLAB OR WALL UNLESS SPECIFICALLY SHOWN AND DETAILED STRUCTURAL DRAWINGS.
- 311

DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.
- 312

REINFORCING STEEL PLACEMENT SHALL BE INSPECTED IN ACCORDANCE WITH ACI 318, SECTION 1.3 BY A QUALIFIED OWNER'S REPRESENTATIVE.
- 313

NO SLAB SHALL HAVE COLD JOINTS IN A HORIZONTAL PLANE.
- 314

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, EMBEDDED PLATES, MASONRY ANCHORS, REGLETS, SLEEVES, DUCTWORK, PADS, AND ANCHOR RODS. THE INSERTS, EMBEDDED PLATES, ETC. SHALL NOT INTERFERE WITH CONCRETE REINFORCEMENT LOCATION.
- 315

NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
- 316

EXPOSED EXTERNAL CONCRETE CORNERS SHALL BE CHAMFERED 3/4 INCHES, UNLESS SHOWN OR NOTED OTHERWISE.
- 317

ARRANGEMENT AND DETAILS FOR REINFORCEMENT, INCLUDING BAR SUPPORTS AND SPACERS, SHALL BE IN ACCORDANCE WITH THE "A.C.I. DETAILING MANUAL (ACI SP-68)".

PREFABRICATED WOOD TRUSSES

- 40

PREFABRICATED WOOD TRUSSES SHALL COMPLY WITH NDS AND "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION (TP1 1-14)".
- 41

ALL TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER'S REGISTERED ENGINEER.
- 42

TRUSSES SHALL BE FABRICATED BASED ON VERIFIED OR APPROVED DIMENSIONS.
- 43

FABRICATOR SHALL SUBMIT SHOP DRAWINGS AND TRUSS PLACEMENT PLANS(S) FOR ENGINEER APPROVAL PRIOR TO FABRICATION. TRUSS FABRICATOR SHALL SUBMIT CALCULATIONS TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 44

JOB SITE HANDLING AND ERECTION, INCLUDING TEMPORARY BRACING, DURING INSTALLATION OF TRUSSES SHALL COMPLY WITH TP1WTC BCS1.1.
- 45

UNLESS OTHERWISE NOTED, DESIGN TRUSSES TO MEET THE FOLLOWING DEFLECTION CRITERIA:

	TOTAL LOAD	LIVE LOAD
	SPAN/240	SPAN/480
FLOOR TRUSS	SPAN/240	SPAN/360
ROOF TRUSS	SPAN/240	SPAN/360
- 46

PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT BRACING SHALL BE INSTALLED USING STANDARD INDUSTRY LATERAL RESTRAINT BRACING DETAILS IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICE. LOCATIONS AND DETAILS FOR LATERAL RESTRAINT SHALL BE IDENTIFIED ON THE TRUSS DESIGN DRAWINGS.
- 47

MINIMUM WOOD TRUSS MEMBER SIZES SHALL BE 2x4 (NOMINAL).
- 48

STRONG BACK SHALL BE PROVIDED AND SPACED NOT MORE THAN 10'-0" TO MINIMIZE VIBRATION.

ABBREVIATIONS

&	=	AND
@	=	AT
^	=	ALTERNATE
APPROX.	=	APPROXIMATE
BLDG.	=	BUILDING
BM.	=	BEAM
BRG.	=	BEARING
BSMT.	=	BASEMENT
BTWN.	=	BETWEEN
B/	=	BOTTOM OF
BOT.	=	BOTTOM
BLKG.	=	BLOCKING
BLK.	=	BLOCK
CMF	=	COLD FORMED METAL FRAMING
CFS	=	COLD-FORMED STEEL
CL	=	CONTROL OR CONSTRUCTION JOINT
CL	=	CENTER LINE
CLG.	=	CEILING
CMU	=	CONC. MASONRY UNIT
COL.	=	COLUMN
CONC.	=	CONCRETE
CONT.	=	CONTINUOUS
CONST.	=	CONSTRUCTION
DTL.	=	DETAIL
DIA.	=	DIAMETER
DM.	=	DIMENSION
DN.	=	DOWN
DR.	=	DOOR
DWG.	=	DRAWING
DBL.	=	DOUBLE
EA.	=	EACH
E.F.	=	EACH FACE
EL.	=	ELEVATION
EQ.	=	EQUAL
EQP.	=	EQUIPMENT
E.W.	=	EACH WAY
EX.	=	EXISTING
EXT.	=	EXTERIOR
EXP.	=	EXPANSION
F.O.	=	FLOOR DRAIN
F.F.	=	FINISH FLOOR
FL.	=	FLOOR
FDN.	=	FOUNDATION
F.O.	=	FACE OF
F.S.	=	FAR SIDE
FT.	=	FOOT
FTG.	=	FOOTING
GA.	=	GAUGE
GALV.	=	GALVANIZED
GYP.BD.	=	GYPSUM BOARD
HDR.	=	HEADER
HORIZ.	=	HORIZONTAL
HGT.	=	HEIGHT
ID.	=	INSIDE DIAMETER
INSUL.	=	INSULATION
INT.	=	INTERIOR
JT.	=	JOINT
LG.	=	LONG
LLV.	=	LONG LEG VERTICAL
LT.	=	LIGHT
L.W.	=	LONG WAY
MANUF.	=	MANUFACTURER
MAS.	=	MASONRY
MAX.	=	MAXIMUM
MECH.	=	MECHANICAL
MTL.	=	METAL
MNL.	=	MINIMUM
MISC.	=	MISCELLANEOUS
N.I.C.	=	NOT IN CONTRACT
NO.	=	NUMBER
NOM.	=	NOMINAL
N.T.S.	=	NOT TO SCALE
O.C.	=	ON CENTER
O.D.	=	OUTSIDE DIAMETER
OPNG.	=	OPENING
OPT.	=	OPTIONAL
P.C.	=	PRECAST CONCRETE
PL.	=	PLATE
PLYWD.	=	PLYWOOD
PT.	=	PRESSURE-TREATED
QTY.	=	QUANTITY
RAD.	=	RADIUS
REF.	=	REFERENCE
REINF.	=	REINFORCEMENT
REV.	=	REVISION
REQD.	=	REQUIRED
R.O.	=	ROUGH OPENING
SCHED.	=	SCHEDULE
SEC.	=	SECTION
S.F.	=	SQUARE FOOT
SHT.	=	SHEET
SIM.	=	SIMILAR
SLV.	=	SHORT LEG VERTICAL
SPEC.	=	SPECIFICATION
SQ.	=	SQUARE
S.S.	=	STAINLESS STEEL
STD.	=	STANDARD
STL.	=	STEEL
STRUCT.	=	STRUCTURAL
S.W.	=	SHORT WAY
T&B	=	TOP & BOTTOM
THK.	=	THICK
THRU.	=	THROUGH
TI.	=	TOP OF
T.O.C.	=	TOP OF CONCRETE
T.O.F.	=	TOP OF FOOTING
T.O.P.	=	TOP OF PLATE
T.O.S.	=	TOP OF STEEL
T.O.SL.	=	TOP OF SLAB
TRY.	=	TREATED
TYP.	=	TYPICAL
UN.O.	=	UNLESS NOTED OTHERWISE
VERT.	=	VERTICAL
V.I.F.	=	VERIFY IN FIELD
W.	=	WITH
WO.	=	WOOD
WO.	=	WITHOUT
WP.	=	WORK POINT
WP.	=	WATERPROOF
WT.	=	WEIGHT
WWF.	=	WELDED WIRE FABRIC
WWM.	=	WELDED WIRE MESH
WWR.	=	WELDED WIRE REINFORCEMENT

DRAWING LIST

S-101:	GENERAL NOTES
S-102:	GENERAL NOTES
S-103:	SPECIAL INSPECTION NOTES
S-104:	SPECIAL INSPECTION NOTES
S-201:	FOUNDATION AND ROOF FRAMING PLAN
S-301:	FOUNDATION DETAILS
S-401:	WOOD DETAILS
S-402:	WOOD DETAILS

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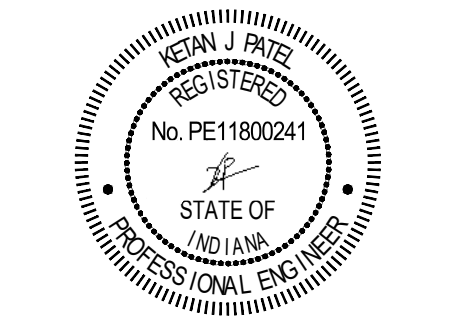
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REV	REV DESCRIPTION	DATE
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Drawn / Designed by: SVD/T
Reviewed by: RU
Approved by: KP
Project Number: SKB-25-0111

SHEET NAME:

GENERAL NOTES

SHEET NUMBER:

S-101

WOOD NOTES

- 5.0 UNLESS NOTED OTHERWISE, ALL WOOD CONSTRUCTION SHALL CONFORM TO CONVENTIONAL LIGHT-FRAME CONSTRUCTION PER THE BUILDING CODE AS LISTED IN 1.0.
- 5.1 UNLESS NOTED OTHERWISE, ALL SOLID SAWN LUMBER SHALL BE KILN DRIED GRADE NO. 2 DOUGLAS FIR-LARCH (OR BETTER). WOOD MOISTURE CONTENT MUST BE <19% WITH THE FOLLOWING MINIMUM PROPERTIES.
- E

F_b

F_v

F_c (PARALLEL)

F_c (PERP.)

F_t

=

=

=

=

=

=

1,600,000 PSI

900 PSI

180 PSI

1,350 PSI

625 PSI

575 PSI
- 5.2 UNLESS NOTED OTHERWISE, ENGINEERED LUMBER MEMBERS SHALL BE MANUFACTURED UNDER A PROCESS BY THE NATIONAL RESEARCH BOARD. EACH PIECE SHALL BEAR A STAMPS OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, THE NATIONAL RESEARCH BOARD NUMBER, AND THE QUALITY CONTROL AGENCY. ALL LUMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPROPRIATE REPORT AND GLUED USING A WATERPROOFING ADHESIVE MEETING THE REQUIREMENTS OF ASTM D2559 WITH ALL GRAIN PARALLEL WITH THE LENGTH OF THE MEMBER WITH THE FOLLOWING MINIMUM PROPERTIES.
- LAMINATED VENEER LUMBER (LVL)
- E

F_b

F_v

F_c (PARALLEL)

F_c (PERP.)

F_t

=

=

=

=

=

=

2,000,000 PSI

2,600 PSI

285 PSI

2,510 PSI

750 PSI

1,555 PSI
- PARALLAM (PSL) LUMBER-COLUMN
- E

F_b

F_v

F_c (PARALLEL)

F_c (PERP.)

F_t

=

=

=

=

=

=

2,000,000 PSI

2,900 PSI

290 PSI

2,900 PSI

625 PSI

2,025 PSI
- 5.3 PRESSURE TREATED LUMBER SHALL CONFORM TO THE AWPA AND SHALL BEAR THE QUALITY MARK OF AN ACCREDITED ALSO: INSPECTION AGENCY. MINIMUM TREATING STANDARDS (RETENTION LBS./CU. FT.) SHALL BE AS FOLLOWS.
- APPLICATION

ACQ/ACZA

CA-B

ABOVE GROUND

0.25

0.10

GROUND/CONCRETE CONTACT

0.40

0.21

FRESH WATER IMMERSION

0.40

0.21

IN GROUND (STRUCTURAL)

0.60

0.31

SILL PLATES

0.25

0.10
- 5.4 WOOD SHALL BE UNWRAPPED & FREE OF SPLITS & CHECKS.
- 5.5 ALL DIMENSION LUMBER EXPOSED TO WEATHER MUST BE WEATHER TREATED PER AMERICAN WOOD PRESERVERS ASSOCIATION. PARALLEL STRAND LUMBER (PSL) SHALL BE WEATHER TREATED. TREATMENT MUST BE CURRENTLY ACCEPTED, ENVIRONMENTALLY FRIENDLY TREATMENT; CCA TREATMENT IS NOT PERMITTED. ALL METAL FASTENERS EXPOSED TO WEATHER, INCLUDING BUT NOT LIMITED TO STRAPS, HANGERS, BOLTS, SCREWS, NAILS AND OTHER SPECIAL FASTENING HARDWARE TO BE CORROSIVE RESISTANT. PROCESS MUST BE HOT DIP GALVANIZED ZINC COATING WITH MINIMUM 1.85 OZ OF ZINC COATING PER SQUARE FOOT.
- 5.6 UNLESS NOTED OTHERWISE, ALL POSTS SHALL BE MINIMUM 4X4. ALL POSTS SUPPORTING HEADERS AT MAXIMUM OPENING 4'-0" SHALL BE MINIMUM SIZE 2-2X4. AND ALL HEADERS SHALL BE MINIMUM SIZE 2-2X10.
- 5.7 ALL COLUMNS ARE TO BE CONTINUOUS TO THE FOUNDATION OR TO THE SUPPORTING BEAM. TRANSFER MEMBER IS PERMITTED IF SPECIFICALLY ENGINEERED FOR THIS PURPOSE.
- 5.8 UNLESS NOTED OTHERWISE, SIMPSON COLUMN CAPS AC OR SIMILAR USP SHALL BE USED AT ALL CONNECTIONS OF LVL BEAMS TO PSL COLUMNS.
- 5.9 DUE TO CORROSION REQUIREMENTS, ALL FASTENERS USED IN OR IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED STEEL OR STAINLESS STEEL. OTHER TYPES OF PROTECTIVE FASTENER COATINGS MAY BE USED UPON ENGINEERING REVIEW AND APPROVAL.
- 5.10 UNLESS NOTED OTHERWISE, ALL LOAD-BEARING WALL STUDS SHALL BE 2x6 SOLID SAWN LUMBER WITH A MAXIMUM SPACING OF 16" O.C.
- 5.11 USE THREE STUDS (MINIMUM) IN EACH CORNER WITH TOP PLATES OVERLAPPING AT CORNERS AND BEARING WALLS. SILL PLATES OR ANY OTHER WOOD IN CONTACT WITH CONCRETE, SOIL, OR MASONRY SHALL BE PRESSURE TREATED.
- 5.12 BUILT-UP STUD COLUMNS MUST BE SECURELY NAILED TOGETHER TO ACT AS A COMPOSITE MEMBER.
- 5.13 UNLESS NOTED OTHERWISE, ALL LOAD BEARING WALLS SHALL BE SHEATHED WITH MIN. 7/16" APA RATED SHEATHING, EXPOSURE I, OSB OR PLYWOOD. WALL SHEATHING SHALL BE FASTENED WITH 8d COMMON NAILS WITH A MAXIMUM SPACING OF 8" O.C. AT EDGES AND 12" O.C. WITHIN THE FIELD. A DOUBLE ROW OF 8d COMMON NAILS WITH A MAXIMUM SPACING OF 8" O.C. SHALL BE USED AT TOP AND BOTTOM PANEL EDGES FOR UPLIFT RESISTANCE. ALL EDGES OF SHEATHING SHALL BE BLOCKED SOLID. CONTINUOUS SHEATHING SHALL BE PROVIDED FROM TOP PLATE TO SILL PLATE. USE APPROVED SHEATHING PANEL TENSION SPLICE AS REQUIRED.
- 5.14 UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, FOR ROOF SUPPORTS AT 24" O.C. USE 15/32" OSB OR PLYWOOD. FOR ROOF SUPPORTS @ 16" O.C. USE 7/16" OSB OR PLYWOOD. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGES ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF SHEATHING PARALLEL TO SUPPORTING MEMBERS. ROOF SHEATHING SHALL BE FASTENED WITH 8d COMMON NAILS WITH A MAXIMUM SPACING OF 8" O.C. AT EDGES AND 12" O.C. WITHIN THE FIELD. PANEL CLIPS SHALL BE INSTALLED IN ACCORDANCE WITH APA RECOMMENDATIONS.
- 5.15 UNLESS NOTED OTHERWISE, FLOOR SHEATHING SHALL BE APA RATED STURD-I-FLOOR, EXPOSURE I, TONGUE AND GROOVE PLYWOOD. FOR SUPPORTS AT 16" O.C. USE 19/32" THICK PANELS. FASTEN FLOOR SHEATHING WITH 10d RING-OR SCREW-SHANK NAILS WITH A MAXIMUM SPACING OF 8" O.C. AT EDGES AND 12" O.C. WITHIN THE FIELD. PANELS SHALL BE APA GLUED TO FLOOR SUPPORTS AND AT TONGUE AND GROOVE JOINTS WITH ADHESIVE CONFORMING TO PERFORMANCE SPECIFICATION APA AFG-01. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS AND THE END JOINTS SHALL BE SUPPORTED AND STAGGERED. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. PROVIDE CONTINUOUS BLOCKING AT EDGES AND AROUND OPENINGS.
- 5.16 UNLESS NOTED OTHERWISE, DOOR AND WINDOW HEADERS SHALL FULLY BEAR ON JACK STUDS. KING STUDS SHALL EXTEND THE FULL HEIGHT OF WALL ON EACH SIDE OF OPENING.
- 5.17 BEARING & EXTERIOR WALL STUDS SHALL BE CAPPED WITH DOUBLE TOP PLATES INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND INTERSECTIONS WITH OTHER PARTITIONS. END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48" U. SHALL BE NAILED WITH NOT LESS THAN 16/ 16d FACE NAILS ON EACH SIDE OF JOINT. TOP PLATES SHALL BE A NOMINAL 2" DEPTH AND HAVE A WIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS.
- 5.18 SOLID 2x BLOCKING AND BANDOBOARD SHALL BE PROVIDED AT SUPPORTS AND CANTILEVER ENDS OF ALL WOOD JOISTS.
- 5.19 ALL MANUFACTURED HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S SPECIFICATIONS.
- 5.20 GYPSUM WALLBOARD SHALL BE SECURED WITH A MAXIMUM FASTENER SPACING OF 8" O.C. AT EDGES AND 12" O.C. AT FIELD.

WOOD FASTENING SCHEDULE U.N.O

CONNECTION	FASTENING	LOCATION
JOIST TO SILL OR GIRDER	3 - 8D COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS	TOE NAIL
BRIDGING TO JOIST	2 - 8D COMMON (2 1/2" x 0.131") 4 - 3" x 0.131" NAILS	TOE NAIL EACH END
1" 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8D COMMON (2 1/2" x 0.131")	FACE NAIL
WIDER THAN 1" 6" SUBFLOOR TO EACH JOIST	3 - 8D COMMON (2 1/2" x 0.131")	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	2 - 16D COMMON (3 1/2" x 0.162")	BLIND AND FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16D (3 1/2" x 0.135") AT 16" O.C. 3" x 0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16D (3 1/2" x 0.135") @ 16" O.C. 4 - 3" x 0.131" NAILS AT 16" O.C.	BRACED WALL PANELS
TOP PLATE TO STUD	2 - 16D COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS	END NAIL
STUD TO SOLE PLATE	4 - 8D COMMON (2 1/2" x 0.131") 4 - 3" x 0.131" NAILS 2 - 16D COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS	TOE NAIL END NAIL
DOUBLE STUDS	16D (3 1/2" x 0.135") AT 24" O.C. 3" x 0.131" NAIL AT 8" O.C.	FACE NAIL
DOUBLE TOP PLATES	3 - 8D COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS	TYPICAL FACE NAIL
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8D COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS	TOE NAIL
RIM JOIST TO TOP PLATE	8D (2 1/2" x 0.131") AT 6" O.C. 3" x 0.131" NAIL AT 6" O.C.	TOE NAIL
TOP PLATES, LAPS AND INTERSECTIONS	2 - 16D COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16D COMMON (3 1/2" x 0.162")	16" O.C. ALONG EDGE
CEILING JOISTS TO PLATE	3 - 8D COMMON (2 1/2" x 0.131") 5 - 3" x 0.131" NAILS	TOE NAIL
CONTINUOUS HEADER TO STUD	4 - 8D COMMON (2 1/2" x 0.131") 3 - 16D COMMON (3 1/2" x 0.162") MINIMUM.	TOE NAIL
CEILING JOISTS, LAPS OVER PARTITIONS	4 - 3" x 0.131" NAILS 3 - 16D COMMON (3 1/2" x 0.162") MINIMUM.	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	4 - 3" x 0.131" NAILS	FACE NAIL
RAFTER TO PLATE	3 - 8D COMMON (2 1/2" x 0.131") 3 - 3" x 0.131" NAILS	TOE NAIL
1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8D COMMON (2 1/2" x 0.131") 2 - 3" x 0.131" NAILS	FACE NAIL
1" x 8" SHEATHING TO EACH BEARING	3 - 8D COMMON (2 1/2" x 0.131")	FACE NAIL
WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8D COMMON (2 1/2" x 0.131")	FACE NAIL
2" PLANKS	16D COMMON (3 1/2" x 0.162")	AT EACH BEARING
COLLAR TIE TO RAFTER	3 - 10D COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS	FACE NAIL
JACK RAFTER TO HIP	3 - 10D COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS	TOE NAIL
ROOF RAFTER TO 2-BY RIDGE BEAM	2 - 16D COMMON (3 1/2" x 0.162") 3 - 3" x 0.131" NAILS	FACE NAIL
JOIST TO BAND JOIST	3 - 16D COMMON (3 1/2" x 0.162") 4 - 3" x 0.131" NAILS	FACE NAIL
LEDGER STRIP	3 - 16D COMMON (3 1/2" x 0.162") 4 - 3" x 0.131" NAILS	FACE NAIL AT EACH END

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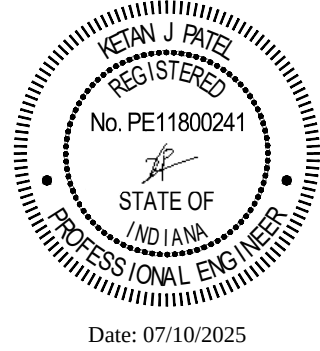
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Drawn / Designed by: SV/DT
Reviewed by: RU
Approved by: KP
Project Number: SKB-25-0111

SHEET NAME:

GENERAL NOTES

SHEET NUMBER:

S-102

GENERAL

1. NEW MATERIALS: NEW BUILDING MATERIALS, EQUIPMENT, SYSTEMS OR METHODS OF CONSTRUCTION NOT PROVIDED FOR IN THE BUILDING CODE AS LISTED IN 1.0. AND ANY MATERIAL OF QUESTIONED SUITABILITY PROPOSED FOR USE IN THE CONSTRUCTION OF A BUILDING OR STRUCTURE, SHALL BE SUBJECTED TO THE TESTS PRESCRIBED ON THIS SHEET AND IN THE APPROVED RULES TO DETERMINE CHARACTER, QUALITY AND LIMITATIONS OF USE BY THE AUTHORITY HAVING JURISDICTION.
2. USED MATERIALS: THE USE OF SECOND HAND MATERIALS THAT MEET THE MINIMUM REQUIREMENTS OF THE BUILDING CODE AS LISTED IN 1.0. FOR NEW MATERIALS SHALL BE PERMITTED.

APPROVALS:

1. APPROVED AGENCY: AN APPROVED AGENCY HIRED BY THE OWNER SHALL PROVIDE ALL INFORMATION AS NECESSARY FOR THE BUILDING OFFICIAL TO DETERMINE THAT THE AGENCY MEETS THE APPLICABLE REQUIREMENTS.

A. INDEPENDENT: AN APPROVED AGENCY SHALL BE OBJECTIVE AND COMPETENT. THE AGENCY SHALL ALSO DISCLOSE POSSIBLE CONFLICTS OF INTEREST SO THAT OBJECTIVITY CAN BE CONFIRMED.

B. EQUIPMENT: AN APPROVED AGENCY SHALL HAVE ADEQUATE EQUIPMENT TO PERFORM REQUIRED TESTS. THE EQUIPMENT SHALL BE PERIODICALLY CALIBRATED.

C. PERSONNEL: AN APPROVED AGENCY SHALL EMPLOY EXPERIENCED PERSONNEL EDUCATED IN CONDUCTING, SUPERVISING, AND EVALUATING TESTS, AND/OR INSPECTIONS SPECIFICALLY FOR MATERIALS.
2. WRITTEN APPROVAL: ANY MATERIAL, EQUIPMENT, SYSTEM OR METHOD OF CONSTRUCTION MEETING THE REQUIREMENTS OF THE BUILDING CODE AS LISTED IN 1.0. SHALL BE APPROVED IN WRITING AFTER SATISFACTORY COMPLETION OF THE REQUIRED TEST AND SUBMISSION OF REQUIRED TEST REPORTS.
3. PERFORMANCE: SPECIFIC INFORMATION CONSISTING OF TEST REPORTS CONDUCTED BY AN APPROVED TESTING AGENCY IN ACCORDANCE WITH STANDARDS REFERENCED IN CHAPTER 36 OF THE BUILDING CODE AS LISTED IN 1.0. OR OTHER SUCH INFORMATION AS NECESSARY, SHALL BE PROVIDED FOR THE BUILDING OFFICIAL TO DETERMINE THAT THE MATERIAL MEET THE APPLICABLE CODE REQUIREMENTS.

A. RESEARCH AND INVESTIGATION: SUFFICIENT TECHNICAL DATA SHALL BE SUBMITTED TO THE BUILDING OFFICIAL TO SUBSTANTIATE THE PROPOSED USE OF ANY MATERIAL OR ASSEMBLY. IF IT IS DETERMINED THAT THE EVIDENCE SUBMITTED IS SATISFACTORY PROOF OF PERFORMANCE FOR THE USE INTENDED, THE BUILDING OFFICIAL SHALL APPROVE THE USE OF THE MATERIAL OR ASSEMBLY SUBJECT TO THE REQUIREMENTS OF THE BUILDING CODE AS LISTED IN 1.0. THE COST OFFSETS, REPORTS AND INVESTIGATIONS REQUIRED UNDER THESE PROVISIONS SHALL BE PAID BY THE PERMIT APPLICANT.

B. RESEARCH REPORTS: SUBMITTING DATA, WHERE NECESSARY TO ASSIST IN THE APPROVAL OF MATERIALS OR ASSEMBLIES NOT SPECIFICALLY PROVIDED FOR IN THE CODE, SHALL CONSIST OF VALID RESEARCH REPORTS FROM APPROVED SOURCES.
4. HERETOFORE APPROVED MATERIALS: THE USE OF ANY MATERIAL, ALREADY FABRICATED OR OF ANY CONSTRUCTION ALREADY ERECTED, WHICH CONFORMED TO REQUIREMENTS OR APPROVALS HERETOFORE IN EFFECT, SHALL BE PERMITTED TO CONTINUE, IF NOT DETRIMENTAL TO LIFE, HEALTH OR SAFETY TO THE PUBLIC.
5. EVALUATION AND FOLLOW-UP INSPECTION SERVICES OF "FABRICATED ASSEMBLIES" WHERE STRUCTURAL COMPONENTS OR OTHER ITEMS REGULATED BY THIS CODE ARE NOT VISIBLE FOR INSPECTION AFTER COMPLETION OF A PREFABRICATED ASSEMBLY, THE PERMIT APPLICANT SHALL SUBMIT A REPORT OF EACH PREFABRICATED ASSEMBLY. THE REPORT SHALL INDICATE THE COMPLETE DETAILS OF THE ASSEMBLY, INCLUDING A DESCRIPTION OF THE ASSEMBLY AND THE ASSEMBLY'S COMPONENTS, THE BASIS UPON WHICH THE ASSEMBLY IS BEING EVALUATED, TEST RESULTS AND SIMILAR INFORMATION, AND OTHER DATA AS NECESSARY FOR THE BUILDING OFFICIAL TO DETERMINE CONFORMANCE TO THE BUILDING CODE AS LISTED IN 1.0. SUCH A REPORT SHALL BE APPROVED BY THE BUILDING OFFICIAL.

A. FOLLOW-UP INSPECTION: THE PERMIT APPLICANT SHALL PROVIDE FOR SPECIAL INSPECTIONS OF FABRICATED ITEMS IN ACCORDANCE WITH SECTION 1704.2 OF THE BUILDING CODE AS LISTED IN 1.0.

B. TEST AND INSPECTION RECORDS: COPIES OF NECESSARY TEST AND INSPECTION RECORDS SHALL BE FILED WITH THE BUILDING OFFICIAL.

GENERAL

1. GENERAL: WHERE APPLICATION IS MADE FOR CONSTRUCTION AS DESCRIBED IN THIS SECTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER "SPECIAL INSPECTIONS". THE SPECIAL INSPECTOR SHALL BE QUALIFIED IN ACCORDANCE TO TABLE 7 ON THIS SHEET.

A. REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THE WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES WERE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES MUST IN THE INSPECTIONS SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

B. FINAL REPORT STATEMENT FOR SPECIAL INSPECTIONS: SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 OF THE BUILDING CODE AS LISTED IN 1.0. SHALL BE AVAILABLE AT THE TIME THE BUILDING IS APPROVED FOR OCCUPANCY.
2. SPECIAL INSPECTION OF FABRICATORS: WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED BY THIS SECTION AND AS REQUIRED ELSEWHERE IN THE BUILDING CODE AS LISTED IN 1.0.

A. FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION. CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE BUILDING CODE AS LISTED IN 1.0. REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.

B. EXCEPTION: SPECIAL INSPECTIONS LISTED ABOVE SHALL NOT BE REQUIRE WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH THE FOLLOWING SECTION.

C. FABRICATOR APPROVAL: SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE AS LISTED IN 1.0. ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
3. STEEL CONSTRUCTION: THE SPECIAL INSPECTION FOR STEEL ELEMENTS OF BUILDINGS AND STRUCTURES SHALL BE AS REQUIRED BY THIS SECTION AND TABLE 1.

A. EXCEPTIONS:

1. SPECIAL INSPECTION OF THE STEEL FABRICATION PROCESS SHALL NOT BE REQUIRED WHERE THE FABRICATOR DOES NOT PERFORM ANY WELDING, THERMAL CUTTING OR HEATING OPERATION OF ANY KIND AS PART OF THE FABRICATION PROCESS IN SUCH CASES, THE FABRICATOR SHALL BE REQUIRED TO SUBMIT A DETAILED PROCEDURE FOR MATERIAL CONTROL THAT DEMONSTRATES THE FABRICATOR'S ABILITY TO MAINTAIN SUITABLE RECORDS AND PROCEDURES SUCH THAT, AT ANY TIME DURING THE FABRICATION PROCESS, THE MATERIAL SPECIFICATION, GRADE AND MILL TEST REPORTS FOR THE MAIN STRESS-CARRYING ELEMENTS ARE CAPABLE OF BEING DETERMINED.

2. THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF THE WORK, PERIODIC INSPECTIONS ARE MADE OF THE WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.

a. SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16 INCH IN SIZE.

b. FLOOR AND DECK WELDING.

c. WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM.

d. WELDED SHEET STEEL FOR COLD FORMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS.

e. WELDING OF STAIRS AND RAILING SYSTEMS.

B. WELDING: WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1 THE BASIS FOR WELDING INSPECTOR QUALIFICATION SHALL BE AWS D1.1.

C. DETAILS: THE SPECIAL INSPECTOR SHALL PERFORM AN INSPECTION OF THE STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS, SUCH AS BRACING, STIFFENING, MEMBER LOCATION AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

D. HIGH-STRENGTH BOLTS: INSTALLATION OF HIGH STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED IN ACCORDANCE WITH RISC SPECIFICATIONS.

1. GENERAL: ALTERNATIVE DESIGN FASTENER INSPECTION SHALL BE IN ACCORDANCE WITH INSTRUCTIONS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING OFFICIAL.

2. PERIODIC MONITORING: MONITORING OF BOLT INSTALLATION FOR PRE-TENSIONING IS PERMITTED TO BE PERFORMED ON A PERIODIC BASIS WHEN USING THE TURN-OF-NUT METHOD WITH MATCH MARKING TECHNIQUES, THE DIRECT TENSION INDICATOR METHOD, OR THE TWIST-OFF BOLT METHOD. JOINTS DESIGNATED AS SNUG TIGHT NEED BE INSPECTED ONLY ON A PERIODIC BASIS.

3. CONTINUOUS MONITORING: MONITORING OF BOLT INSTALLATION FOR PRE-TENSIONING USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCH MARKING SHALL BE PERFORMED ON A CONTINUOUS BASIS.
4. CONCRETE CONSTRUCTION: THE SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY THIS SECTION AND TABLE 2.

A. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR:

1. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS IN HEIGHT THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.

2. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 POUNDS PER SQUARE INCH.

3. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS, ON GRADE.

CONT.

- B. MATERIALS: IN THE ABSENCE OF SUFFICIENT DATA OR DOCUMENTATION PROVIDING EVIDENCE OF CONFORMANCE TO QUALITY STANDARDS FOR MATERIALS IN CHAPTER 3 OF ACI 318, THE BUILDING OFFICIAL SHALL REQUIRE TESTING OF MATERIALS IN ACCORDANCE WITH THE APPROPRIATE STANDARDS AND CRITERIA FOR THE MATERIAL. IN CHAPTER 3 OF ACI 318, WELD ABILITY OF REINFORCEMENT, EXCEPT THAT WHICH CONFORMS TO ASTM A 706, SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.4 AND ACI 318 3.5.2.
5. MASONRY CONSTRUCTION: MASONRY CONSTRUCTION SHALL BE INSPECTED AND EVALUATED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION, DEPENDING ON THE CLASSIFICATION OF THE BUILDING OR STRUCTURE OR NATURE OF OCCUPANCY, AS DEFINED BY THE BUILDING CODE AS LISTED IN 1.0, TABLES 1604.5.

A. ENGINEERED MASONRY IN NONESSENTIAL FACILITIES: THE MINIMUM SPECIAL INSPECTION PROGRAM FOR MASONRY DESIGNED BY SECTION 2106, 2107 OR 2108 IN THE BUILDING CODE AS LISTED IN 1.0. OR BY CHAPTERS OTHER THAN CHAPTERS 5, 6 OR 7 OF ACI 530ASCE/TMS 402, IN NONESSENTIAL FACILITIES (SEE TABLES 1604.5 IN THE BUILDING CODE AS LISTED IN 1.0. SHALL COMPLY WITH TABLE 3.

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:

1. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE: SPECIAL INSPECTIONS AS SPECIFIED IN THIS SECTION IS REQUIRED FOR THE FOLLOWING, WHERE REQUIRED IN SECTION 1705.12 IN THE BUILDING CODE AS LISTED IN 1.0. SPECIAL INSPECTIONS ITEMIZED BELOW ARE REQUIRED FOR THE FOLLOWING:

A. THE SEISMIC-FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, AS DETERMINED IN SECTION 1613.2.5 IN THE BUILDING CODE AS LISTED IN 1.0.

B. DESIGNATED SEISMIC SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F.
2. STRUCTURAL STEEL: CONTINUOUS SPECIAL INSPECTION FOR STRUCTURAL WELDING IN ACCORDANCE WITH AISC SEISMIC.

A. EXCEPTIONS:

1. SINGLE PASS FILLET WELDS NOT EXCEEDING 9/16 INCH IN SIZE.

2. FLOOR AND ROOF DECK WELDING.

3. STRUCTURAL WOOD: CONTINUOUS SPECIAL INSPECTION DURING FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM. PERIODIC SPECIAL INSPECTIONS FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENINGS OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING DRAG STRUTS, BRACES, AND HOLD-DOWNS.

4. COLD-FORMED STEEL FRAMING: PERIODIC SPECIAL INSPECTIONS DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM. PERIODIC SPECIAL INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING OR OTHER FASTENING OF COMPONENTS WITHIN SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING DRAG STRUTS, BRACES, AND HOLD-DOWNS.

5. STORAGE RACKS AND ACCESS FLOORS: PERIODIC SPECIAL INSPECTION DURING THE ANCHORAGE OF ACCESS FLOORS AND STORAGE RACKS 8 FEET OR GREATER IN HEIGHT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F.

SPECIAL TESTING FOR SEISMIC RESISTANCE:

1. MASONRY: TESTING AND VERIFICATION OF MASONRY MATERIALS AND ASSEMBLIES PRIOR TO CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION, DEPENDING ON THE CLASSIFICATION OF BUILDING OR STRUCTURE OR NATURE OF OCCUPANCY, AS DEFINED IN THE BUILDING CODE AS LISTED IN 1.0. (SEE TABLE 1604.5.)

A. ENGINEERED MASONRY IN NON ESSENTIAL FACILITIES: THE MINIMUM TESTING AND VERIFICATION PRIOR TO CONSTRUCTION FOR MASONRY DESIGNED BY SECTION 2107 OR 2108 IN THE BUILDING CODE AS LISTED IN 1.0. OR BY CHAPTERS OTHER THAN CHAPTER 5, 6 OR 7 OF ACI 530ASCE/TMS 402, IN NONESSENTIAL FACILITIES (SEE TABLE 1604.5 IN THE BUILDING CODE AS LISTED IN 1.0.) SHALL COMPLY WITH TABLE 5.
2. TESTING FOR SEISMIC RESISTANCE: THE TESTS SPECIFIED IN SECTIONS BELOW ARE REQUIRED FOR THE FOLLOWING:

A. THE SEISMIC-FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, AS DETERMINED IN SECTION 1613.2.5 OF THE BUILDING CODE AS LISTED IN 1.0.

B. DESIGNATED SEISMIC SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F.
3. REINFORCING AND PRESTRESSING STEEL: CERTIFIED MILL TEST REPORTS SHALL BE PROVIDED FOR EACH SHIPMENT OF REINFORCING STEEL USED TO RESIST FLEXURAL, SHEAR, AND AXIAL FORCES IN REINFORCED CONCRETE INTERMEDIATE FRAMES. SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE OR REINFORCED MASONRY SHEAR WALLS WHERE ASTM A 615 REINFORCING STEEL IS USED TO RESIST EARTHQUAKE INDUCED FLEXURAL AND AXIAL FORCES IN SPECIAL MOMENT FRAMES AND IN WALL BOUNDARY ELEMENTS OF SHEAR WALLS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F, AS DETERMINED IN SECTION 1613.2.5 OF THE BUILDING CODE AS LISTED IN 1.0. THE TESTING REQUIREMENTS OF ACI 318 SHALL BE MET. WHERE ASTM A 615 REINFORCING STEEL IS TO BE WELDED, CHEMICAL TESTS SHALL BE PERFORMED TO DETERMINE WELD ABILITY IN ACCORDANCE WITH AWS D1.4 AND ACI 318 3.5.2.
4. STRUCTURAL STEEL: THE TESTING CONTAINED IN THE QUALITY ASSURANCE PLAN SHALL BE AS REQUIRED BY AISC SEISMIC AND THE ADDITIONAL REQUIREMENTS HEREIN. THE ACCEPTANCE CRITERIA FOR NONDESTRUCTIVE TESTING SHALL BE AS REQUIRED IN AWS D1.1 AS SPECIFIED BY THE DESIGN PROFESSIONAL. BASE MATERIAL THICKER THAN 1.5 INCHES, WHERE SUBJECT TO THROUGH-THICKNESS WELD SHRINKAGE STRAINS, SHALL BE ULTRASONICALLY TESTED FOR DISCONTINUITIES BEHIND AND ADJACENT TO SUCH WELDS AFTER JOINT COMPLETION. ANY MATERIAL DISCONTINUITIES SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF ASTM A 435 OR A 888 (LEVEL 1 CRITERIA) AND CRITERIA AS ESTABLISHED BY THE REGISTERED DESIGN PROFESSIONAL(S) IN RESPONSIBLE CHARGE AND THE CONSTRUCTION DOCUMENTS.

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Reviewed by: RU
Approved by: KP
Project Number: SKB-25-0111

SHEET NAME:

SPECIAL
INSPECTION
NOTES

SHEET NUMBER:

S-103

SCHEDULE OF SPECIAL INSPECTIONS SERVICES		
PROJECT		
MATERIAL / ACTIVITY	SERVICE	EXTENT
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements - add additional rows as needed.)	Submittal review, shop (3) and/or field inspection	
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection	Periodic or as required by the research report issued by an approved source
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate pier designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and top elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection	Periodic or as required by the research report issued by an approved source

1705.3 Concrete Construction		
1. Inspection and placement verification of reinforcing steel and prestressing tendons.	Shop (3) and field inspection	Periodic
2. Reinforcing bar welding:		
a. Verification of weldability of bars other than ASTM A706.		Periodic
b. Inspection of single-pass fillet welds 5/16 or less in size.		Periodic
c. Inspection of all other welds.		Continuous
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Periodic
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Periodic or as required by the research report issued by an approved source
a. Adhesive anchors installed in horizontal or upward-inclined orientation that resist sustained tension loads.		Continuous
b. Mechanical and adhesive anchors note defined in 4a.		Periodic
5. Verify use of approved design mix	Shop (3) and field inspection	Periodic
6. Prior to placement, fresh concrete sampling, perform slump and air content tests and determine temperature of concrete and perform any other tests as specified in construction documents.	Shop (3) and field inspection	Continuous
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Continuous
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Periodic
9. Inspection of prestressed concrete:	Shop (3) and field inspection	
a. Application of prestressing force		Continuous
b. Grouting of bonded prestressing tendons		Continuous
10. Inspect erection of precast concrete members		Periodic
11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	Periodic
12. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Periodic
13. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Periodic

1705.5 Wood Construction		
1. For prefabricated wood structural elements, inspection of the fabrication process and assemblies in accordance with Section 1704.2.5.	In-plant review (3)	Periodic
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection	Periodic
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans.	Field inspection	Periodic
4. Metal-plate-connected wood trusses:		
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60".	Field inspection	Periodic
b. For trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	Periodic

1705.6 Soils		
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Periodic
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Periodic
3. Perform classification and testing of compacted fill materials.	Field inspection	Periodic
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Continuous
5. Prior to placement of controlled fill, inspect subgrade and verify that site has been prepared properly	Field inspection	Periodic

1705.11.1 Structural Wood Special Inspections For Wind Resistance		
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection	Continuous
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	Periodic

1705.12.2 Structural Wood Special Inspections for Seismic Resistance		
1. Field gluing operations of elements of the seismic-force resisting system for SDC C, D, E or F.	Field inspection	Continuous
2. Nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	Periodic

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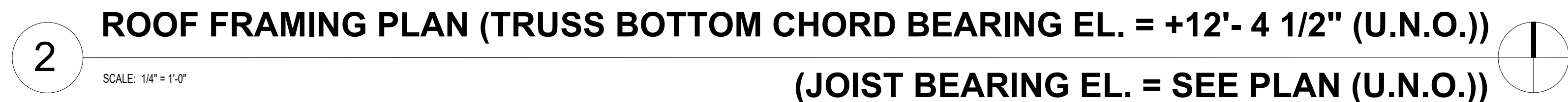
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Reviewed by: RU
Approved by: KP
Project Number: SKB-25-0111

SHEET NAME:

SPECIAL
INSPECTION
NOTES

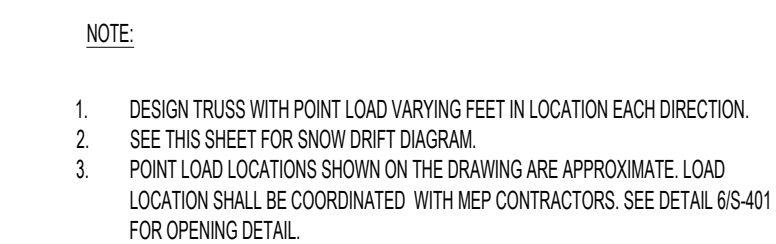
SHEET NUMBER:

S-104



LEGENDS:	
	INDICATES 2x6 LOAD BEARING WALL/SHEAR WALL, 16" O.C. STUD SPACING, W/ ZIP SYSTEM R-8 SHEATHING WITH 1/31" SHANK NAILS @ 3" O.C. EDGE NAILING & 12" O.C. FIELD NAILING WITH MIN. 1/12" PENETRATION INTO THE FRAMING ON THE EXTERIOR FACE OF THE SHEAR WALL, BLOCKED, (2) 2x6 END POST
	INDICATES 2x6 LOAD BEARING WALL/SHEAR WALL, 7/16" OSB SHEATHING, 16" O.C. STUD SPACING, 8d NAIL 6" O.C. EDGE SPACING, 12" O.C. FIELD SPACING, BLOCKED, (2) 2x6 END POST
	INDICATES 2x6 LOAD BEARING WALL/SHEAR WALL, 16" O.C. STUD SPACING, W/ 7/16" OSB SHEATHING AND ZIP SYSTEM R-6 SHEATHING WITH 0.131" SHANK NAILS @ 3" O.C. EDGE NAILING & 12" O.C. FIELD NAILING WITH MIN. 1/12" PENETRATION INTO THE FRAMING ON THE EXTERIOR FACE OF THE SHEAR WALL, BLOCKED, (2) 2x6 END POST
	HOLDOWN- SIMPSONS TIE HDU2-SDS2 5 (TYP.) WITH 5/8"Ø ANCHOR BOLT (12" MIN. EMBEDMENT LENGTH)

- NOTES:**
1. SEE S-101 & S-102 FOR GENERAL NOTES.
 2. SEE S-103 & S-104 FOR SPECIAL INSPECTION NOTES.
 3. SEE S-301 FOR FOUNDATION DETAILS.
 4. SEE S-401 & S-402 FOR WOOD DETAILS.
 5. T/F FOUNDATION WALL ELEVATION: $\pm 0'-0"$ (U.N.O.).
 6. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 7. THE SUBGRADE SHALL BE PROFILESOLLED AND SOFT SOILS SHALL BE REMOVED AND REPLACED AS REQUIRED UNDER SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER.
 8. CONTROL JOINTS ARE SHOWN IN SLAB ON GRADE TO MINIMIZE COSMETIC SHRINKAGE CRACKS. SPACING OF CONTROL JOINT IN SLAB IS 12'-0" (MAX.) O.C. (SEE GENERAL NOTES).
 9. OPENINGS SHOWN ON THE DRAWINGS ARE APPROXIMATE LOCATION. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS AND DOOR OPENINGS.
 10. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 11. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED SLOPE FOR THE ROOF TRUSSES.
 12. RTUS & OPENINGS SHOWN ON THE DRAWING ARE APPROXIMATE LOCATION. ANY ROOF OPENING AND LOCATION SHALL BE COORDINATED WITH MEP DRAWINGS AND CONTRACTORS.
 13. SEE MECHANICAL DRAWINGS FOR RTU LOAD PRIOR TO FABRICATION OF TRUSSES. CONFIRM THE LOADS WITH ARCHITECT.



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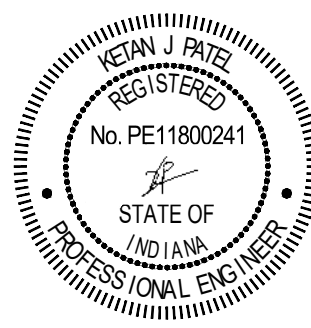
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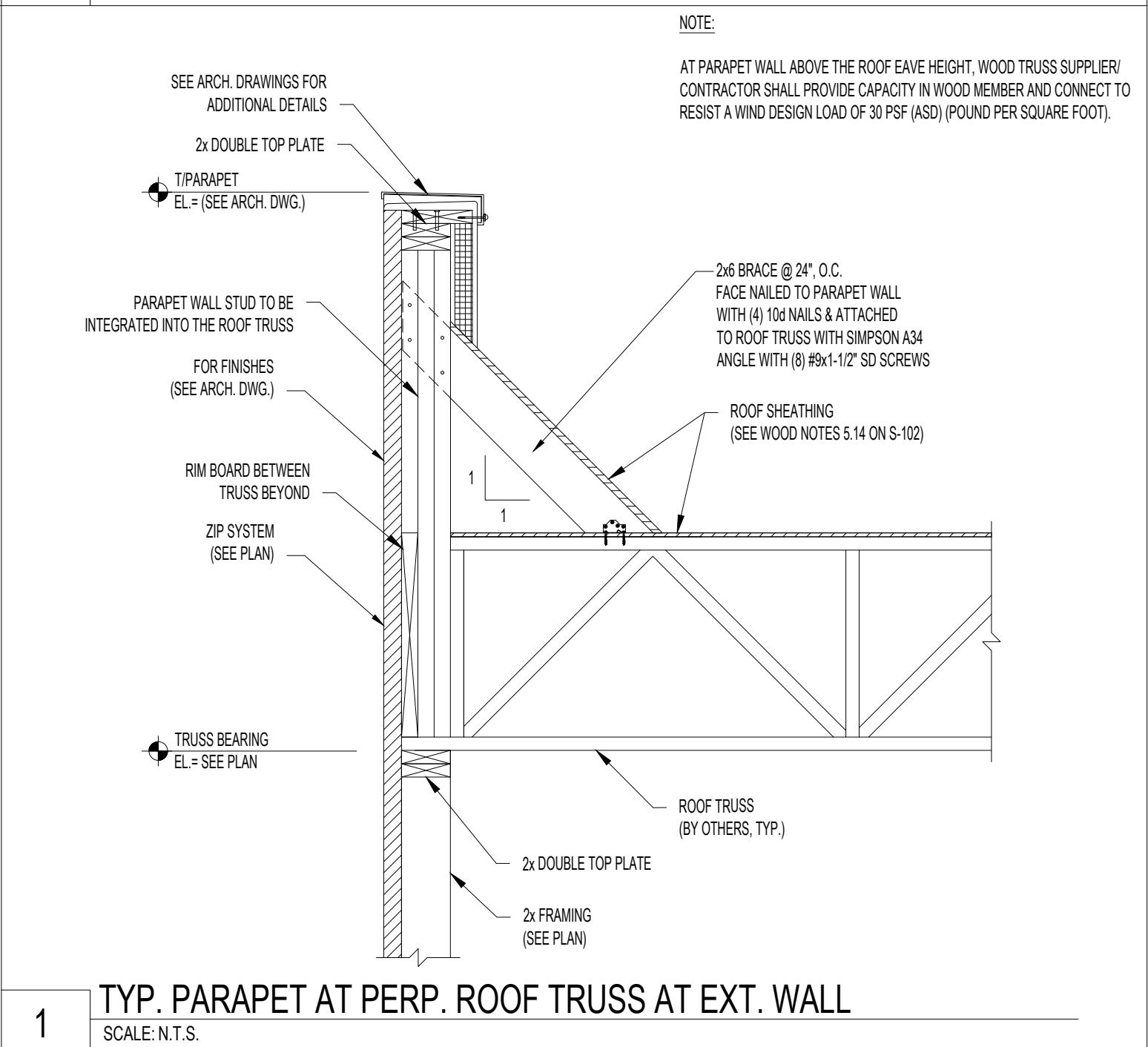
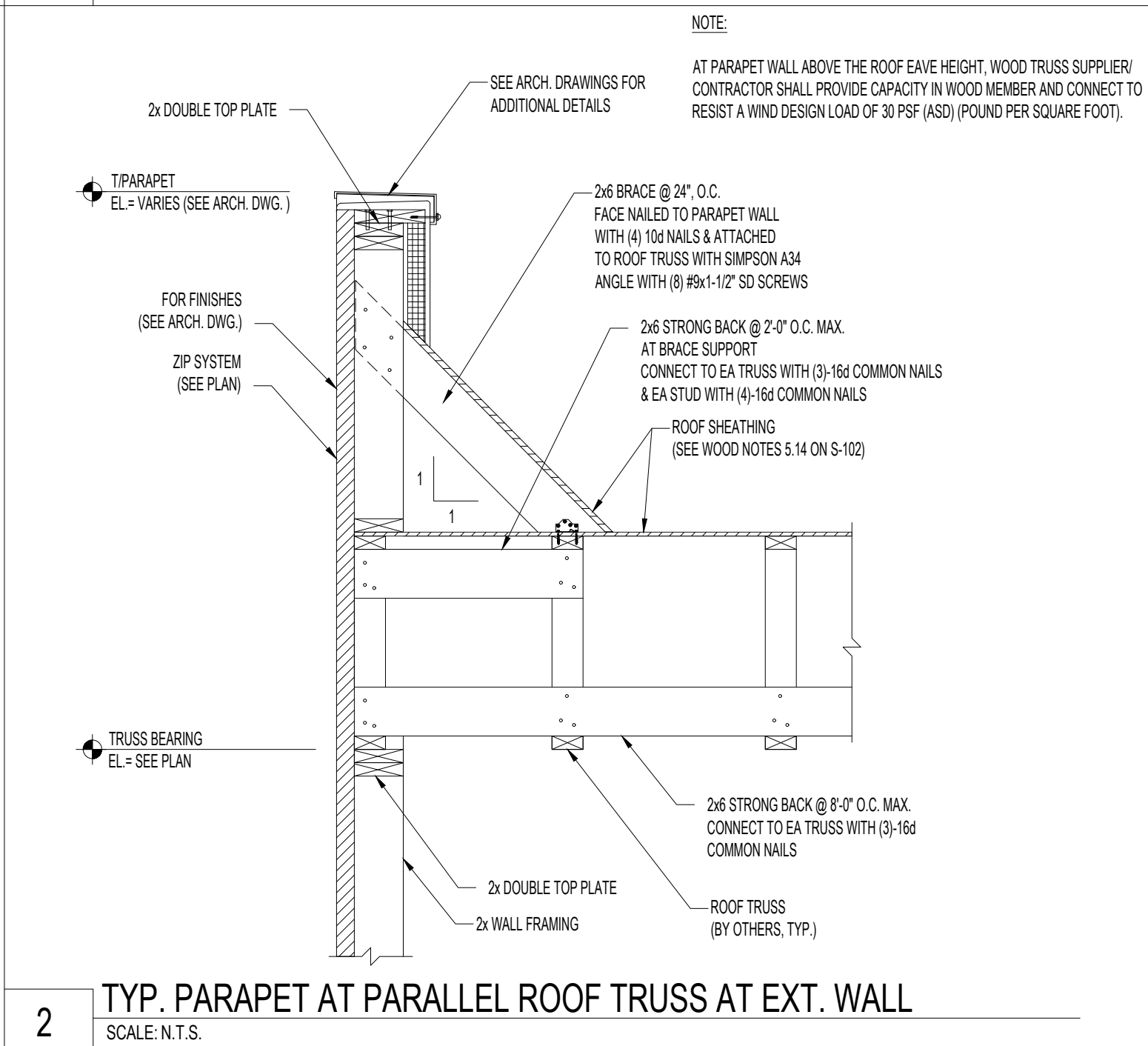
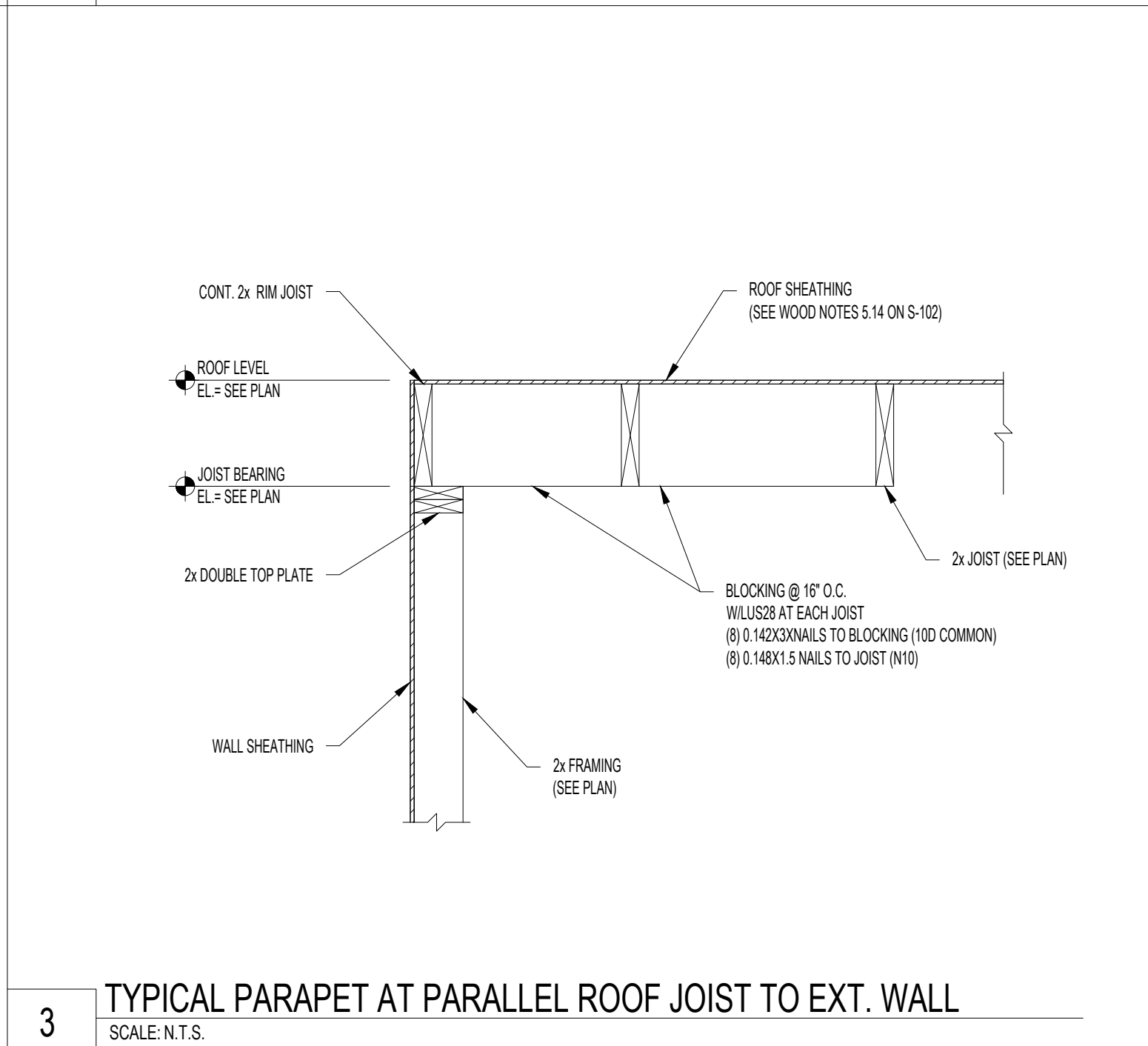
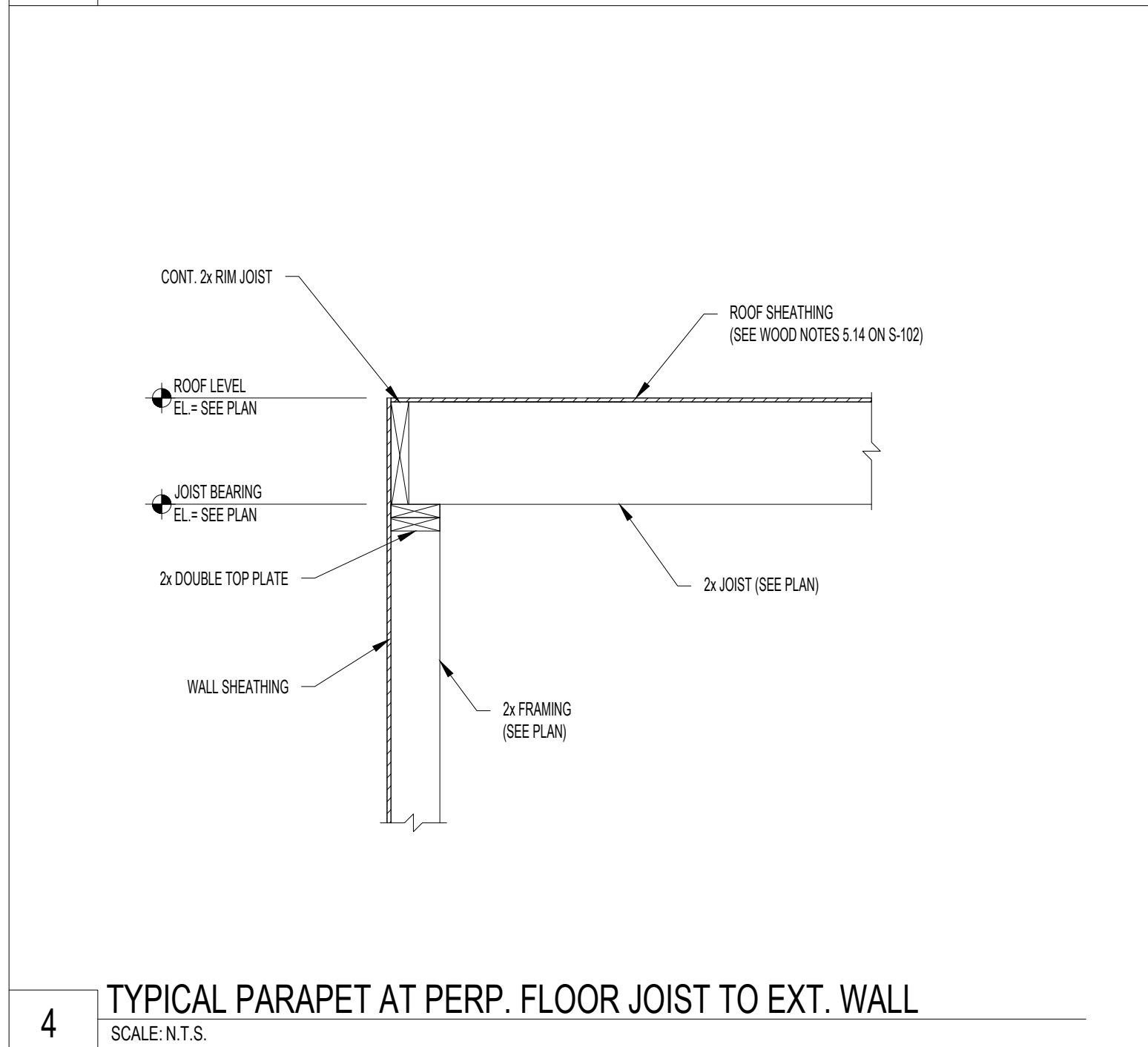
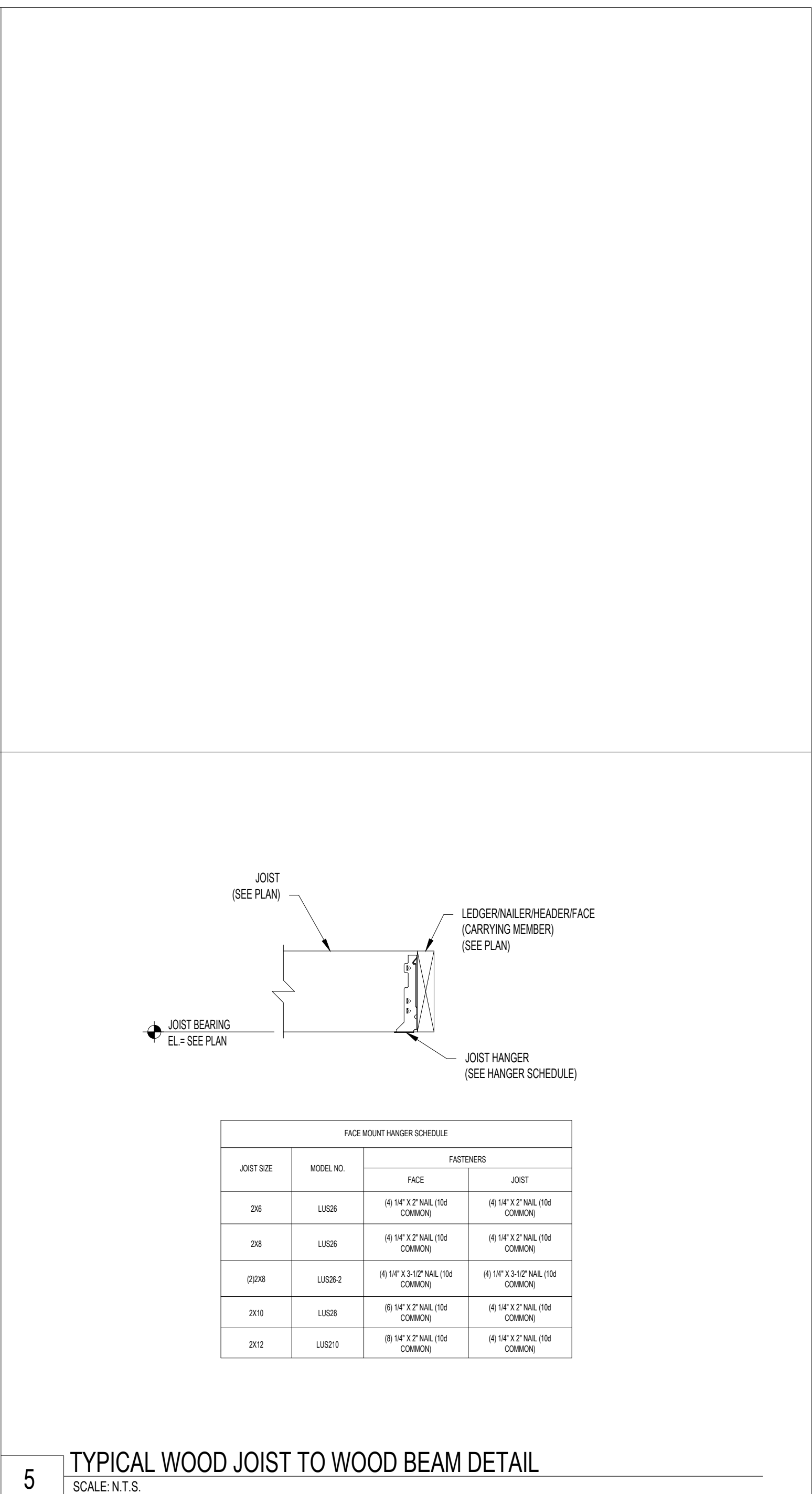
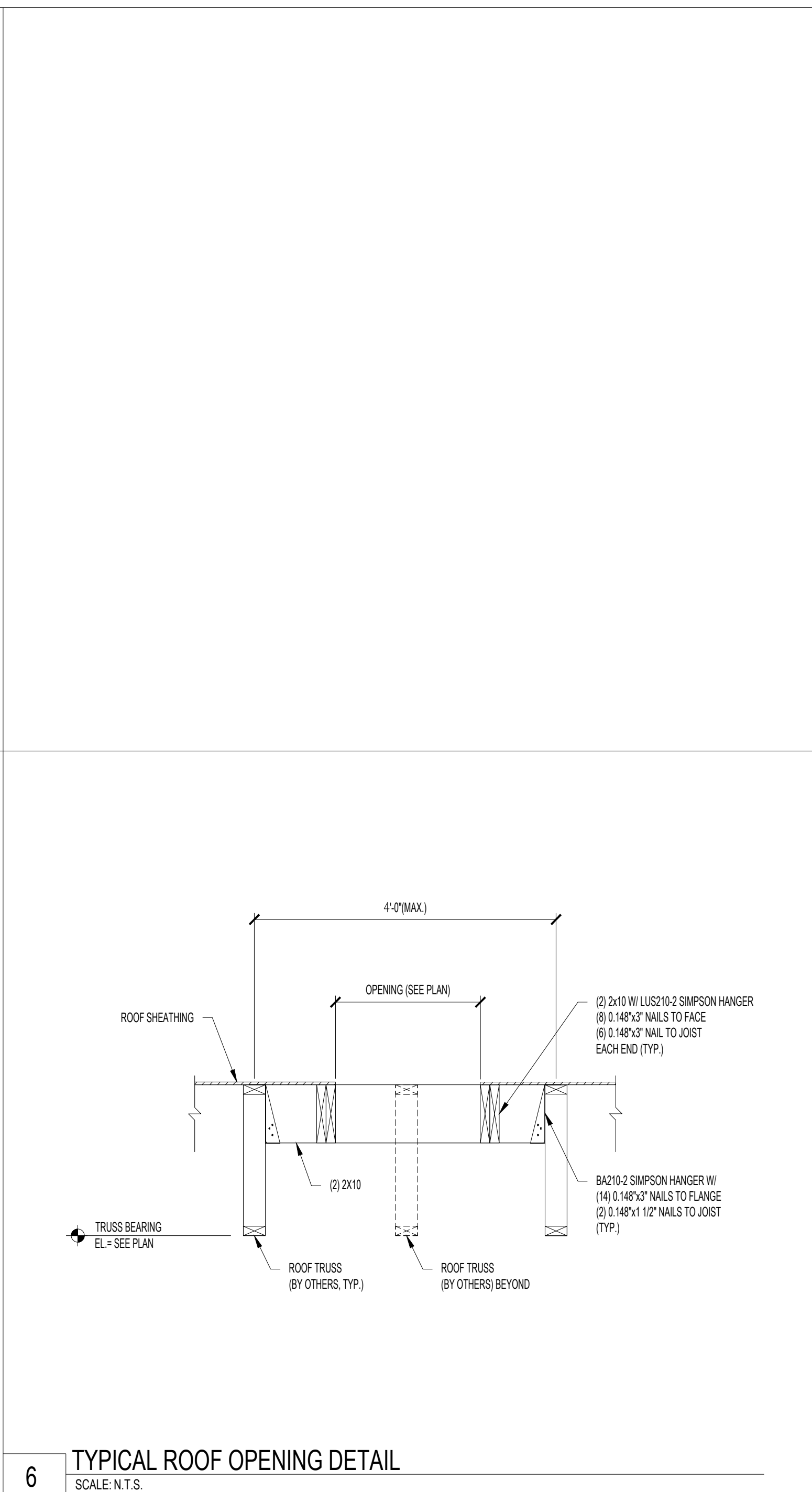
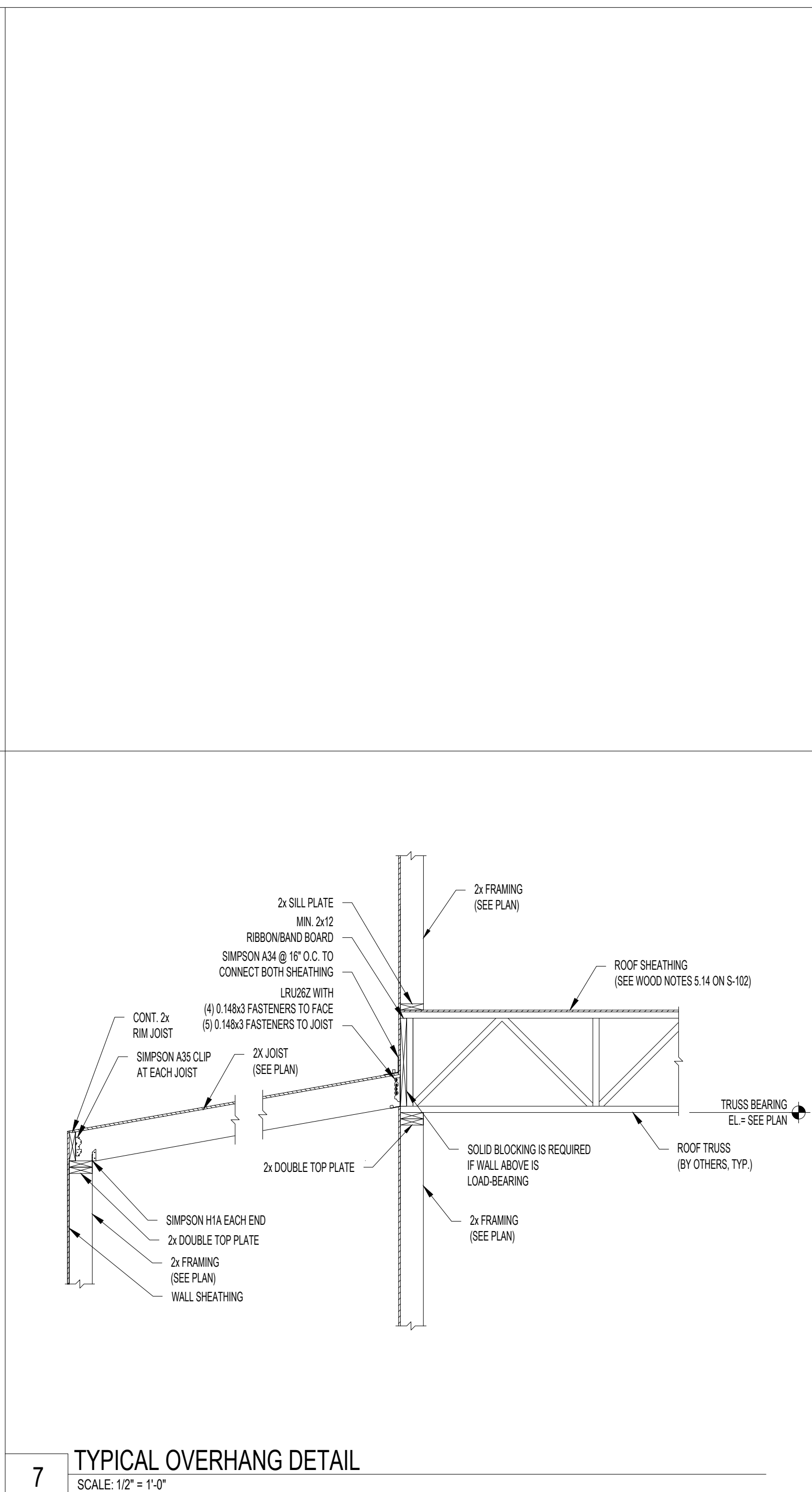
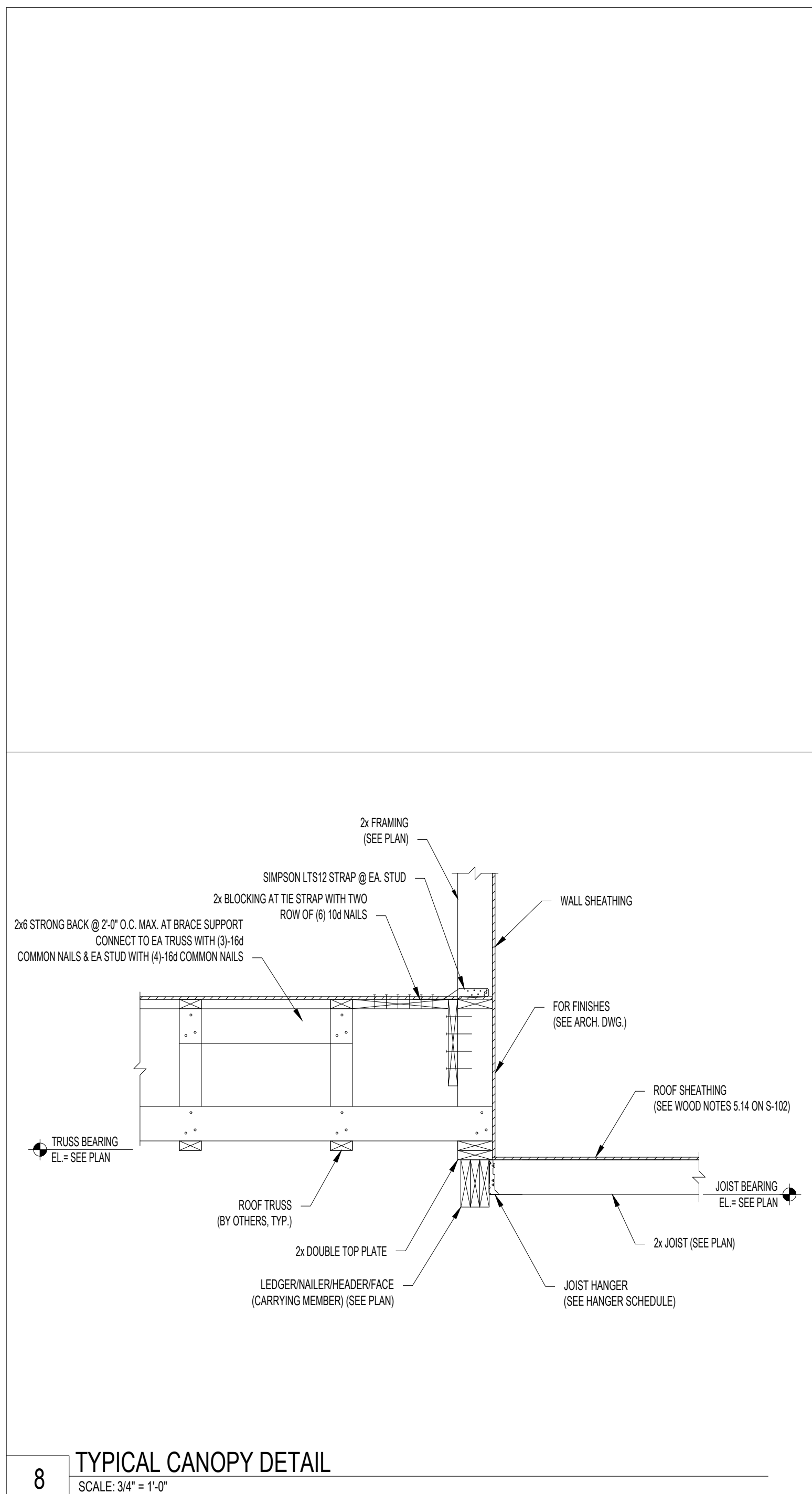
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Project Number: SKB-25-011

SHEET NAME

FOUNDATION AND ROOF FRAMING PLAN

SHEET NUMBER:

S-201



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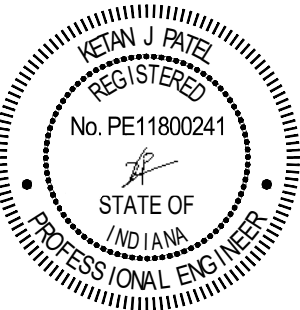
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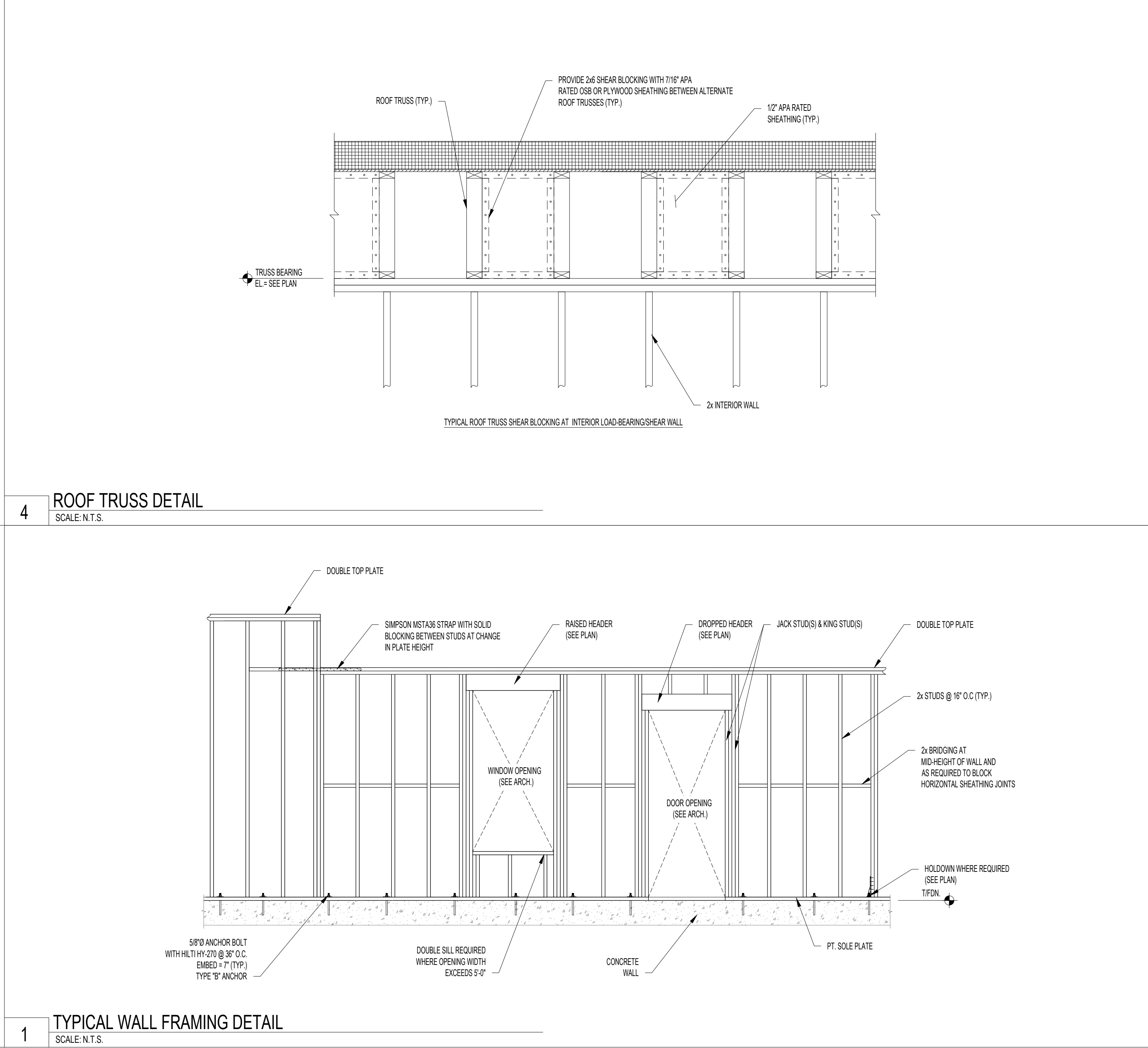
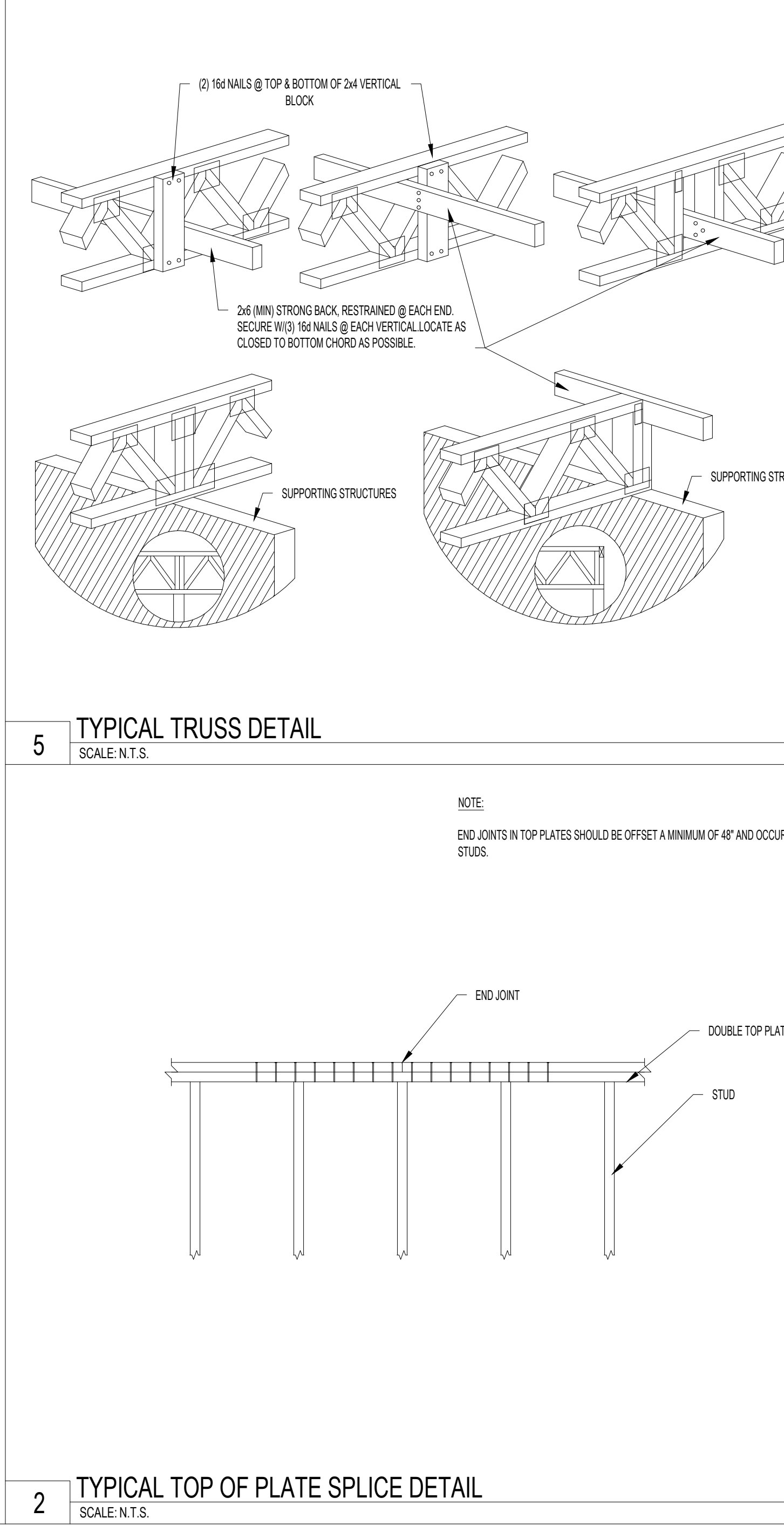
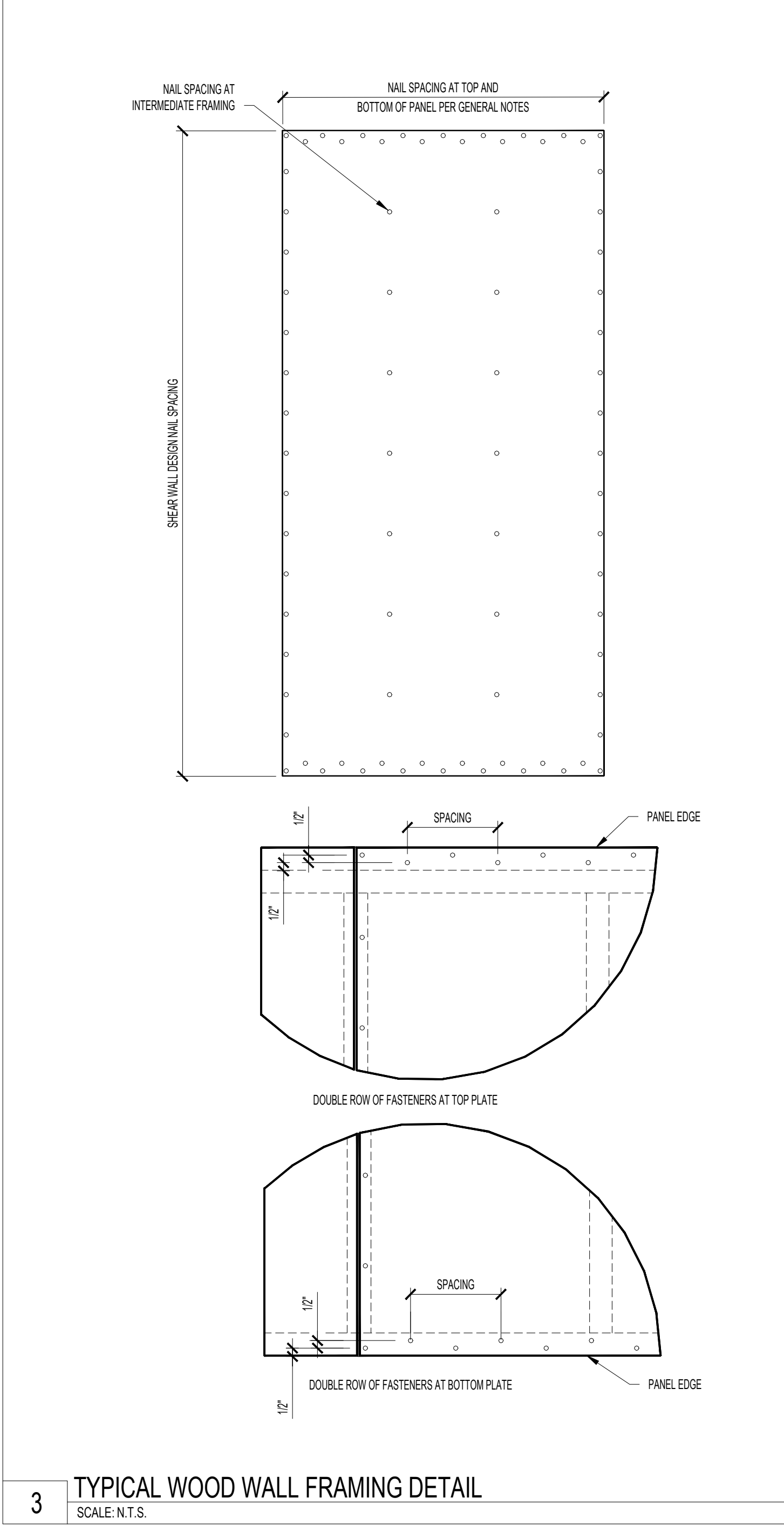
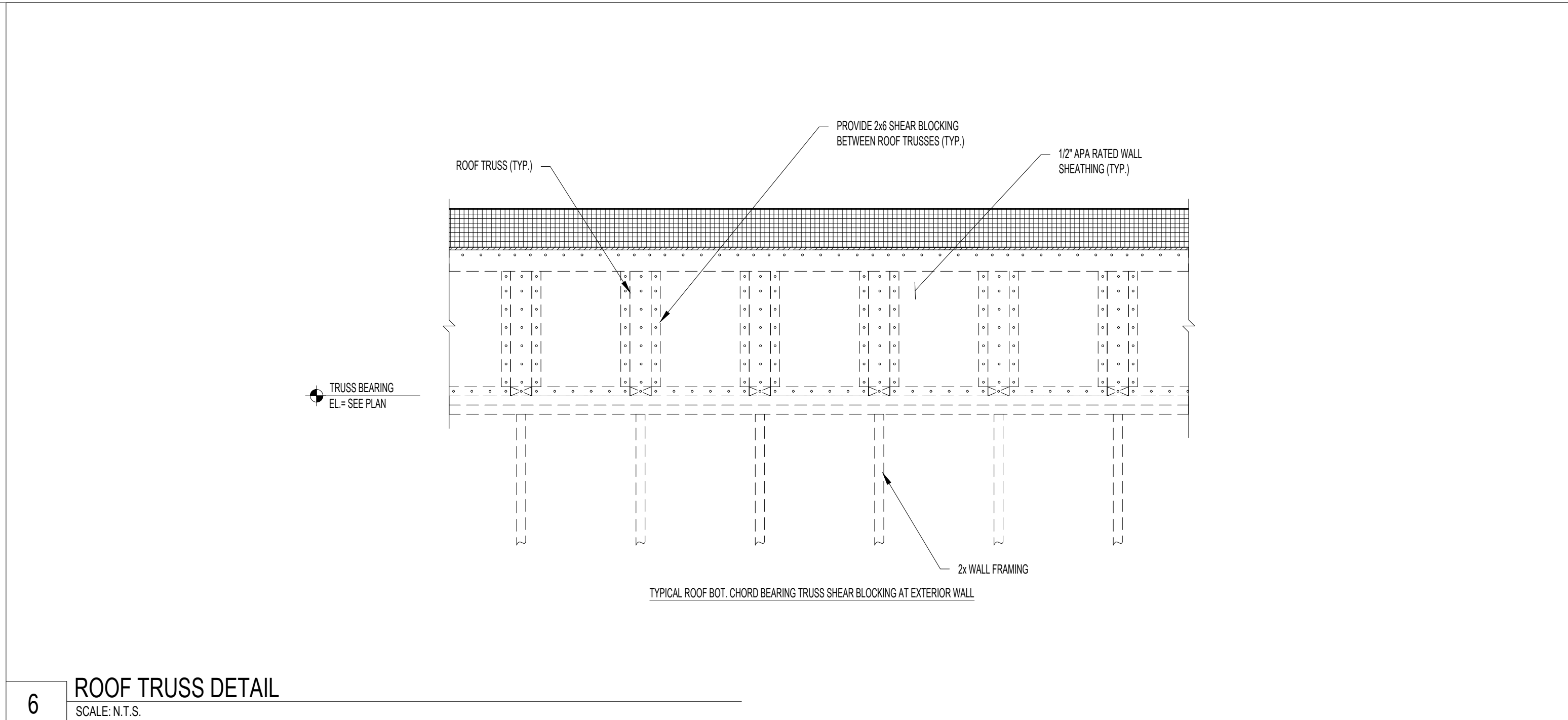
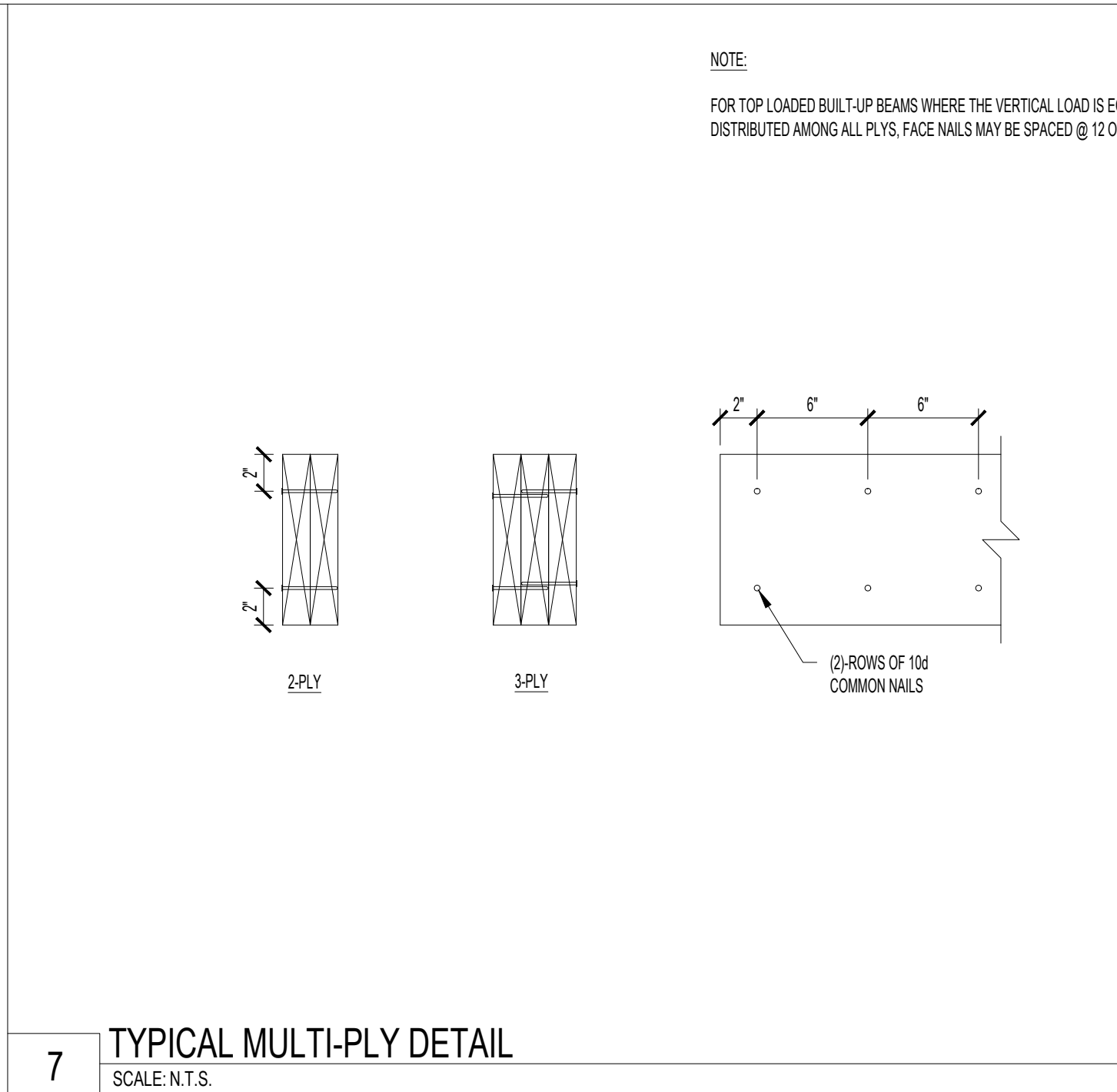
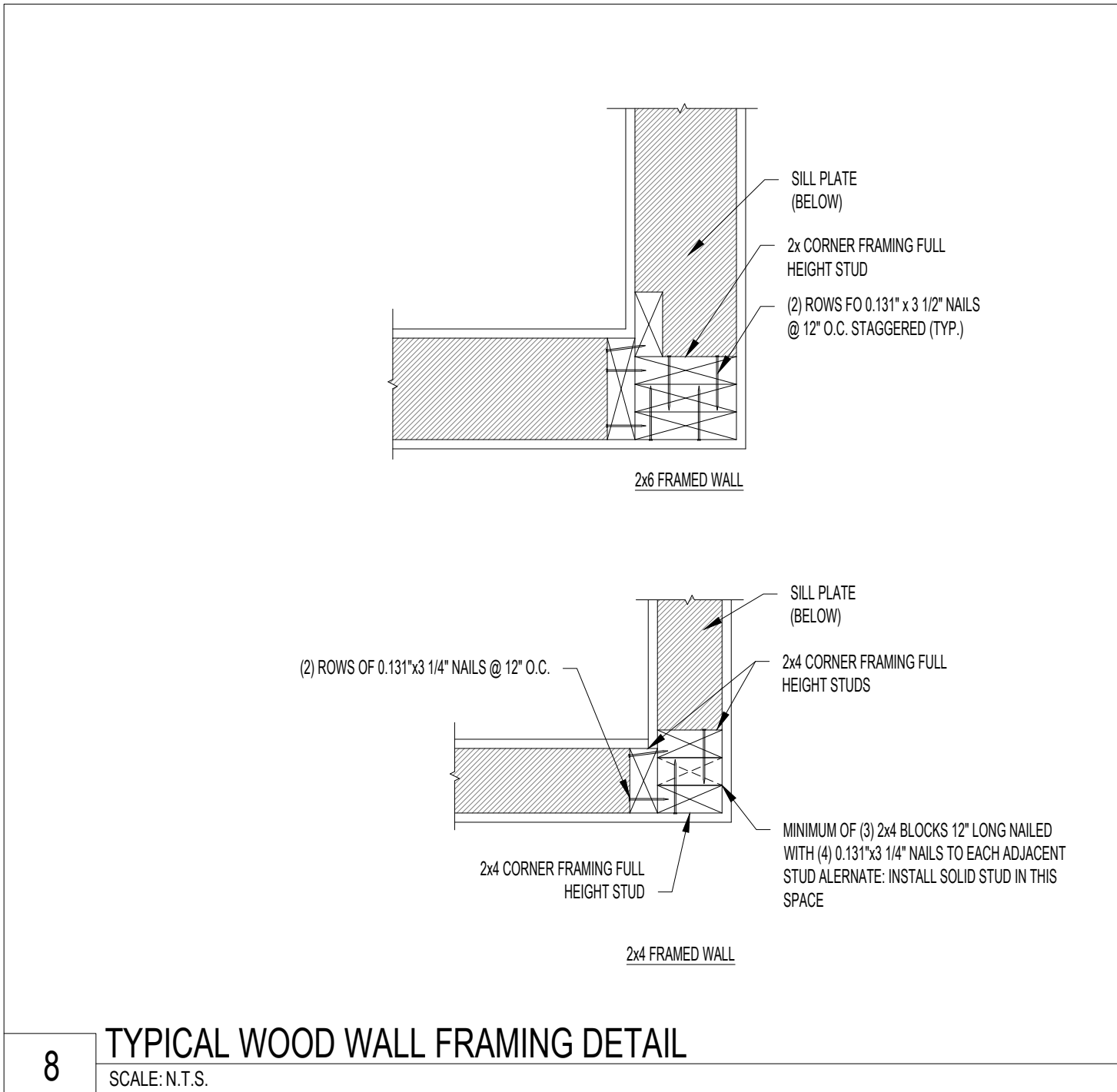
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SHEET NAME

WOOD DETAILS

SHEET NUMBER:

S-401



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Project Number: SKB-25-0111

SHEET NAME:
WOOD DETAILS

SHEET NUMBER:
S-402

MECHANICAL SYMBOLS				
	—	SUPPLY DIFFUSER		— REFRIGERANT PIPING
	—	EXHAUST REGISTER / GRILLE		— CONDENSATE DRAIN
	—	RETURN GRILLE		— PRESSURE REDUCING VALVE
	—	SUPPLY RISER UP THROUGH STRUCTURE		— ISOLATION VALVE (BALL)
	—	RETURN RISER UP THROUGH STRUCTURE		— ISOLATION VALVE (BUTTERFLY)
	—	EXHAUST RISER UP THROUGH STRUCTURE		— MOTORIZED CONTROL VALVE
	—	SUPPLY RISER DOWN		— CHECK VALVE
	—	RETURN RISER DOWN		— DUCT SMOKE DETECTOR
	—	EXHAUST RISER DOWN		— PRESSURE GAUGE
	SWS	SIDE WALL SUPPLY GRILLE		— CARBON DIOXIDE SENSOR FOR OUTSIDE AIR MODULATION
	SWR	SIDE WALL RETURN/EXHAUST GRILLE		POD POINT OF DISCONNECT
	—	DUCT OFFSET UP		POC POINT OF CONNECTION
	—	EXISTING DUCTWORK		— CASEWORK OR OTHER OBSTRUCTION MOTORIZED DAMPER
	—	DUCT OR EQUIPMENT TO BE REMOVED		— THERMOSTAT / SENSOR, MOUNT @ +48" AFF (IF MOUNTED OVER 46" TO TOP OF DEVICE).
	—	EXISTING DUCT TO REMAIN		— TIME CLOCK
	—	DUCT		— TEMPERATURE SENSOR
	—	DUCT TRANSITION		DL DOOR LOUVER W/ MINIMUM FREE AREA (SQ. FT.)
	MVD	MANUAL VOLUME DAMPER		UC UNDER CUT DOOR
	BDD	BACKDRAFT DAMPER		SA SUPPLY AIR DUCT
	FD	AUTOMATIC FIRE DAMPER		RA RETURN AIR DUCT
	CSFD	COMBINATION SMOKE/FIRE DAMPER		EX EXHAUST DUCT
	TYPICAL EQUIPMENT DESIGNATION			OA OUTDOOR AIR DUCT
	TYPICAL AIR DEVICE DESIGNATION			
	AIRFLOW (CFM)			
	TYPE TAG			

MECHANICAL SHEET INDEX			
SR NO.	SHEET NO.	SHEET NAME	SCALE
1	JJM1.0	MECHANICAL GENERAL NOTES AND SYMBOLS	N.T.S.
2	JJM1.1	MECHANICAL SPECIFICATIONS	N.T.S.
3	JJM1.2	MECHANICAL FLOOR PLAN	1/4" = 1'-0"
4	JJM1.3	MECHANICAL DETAILS	N.T.S.
5	JJM1.4	MECHANICAL SCHEDULES	N.T.S.

REFERENCE CODES	
CONTACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS	
1.	2014 INDIANA MECHANICAL CODE.
2.	2012 INDIANA PLUMBING CODE.
3.	2014 INDIANA BUILDING CODE.
4.	2010 INDIANA ENERGY CONSERVATION CODE.
5.	2009 INDIANA ELECTRIC CODE.
6.	2014 INDIANA FUEL GAS CODE.
7.	2014 INDIANA FIRE CODE.

MECHANICAL ABBREVIATIONS			
- A -	ABOVE	- M -	MIXED AIR
ABV	AIR CONDITIONER	MA	MAXIMUM
A/C	AIR CONDITIONER	MB	MACHINE BOLT
AFF	ABOVE FINISH FLOOR	MBH	1000 BRITISH THERMAL UNITS PER HOUR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MCA	MINIMUM CIRCUIT AMPACITY
AI	ANALOG INPUT	MECH	MECHANICAL
AO	ANALOG OUTPUT	MFR	MANUFACTURER
AP	ACCESS PANEL	MIN	MINIMUM
- B -	BACKDRAFT DAMPER	MOCOP	MAXIMUM OVERCURRENT PROTECTION
BDD	BELOW	MS	MOTOR STARTER
BEL	BUILDING	MTD	MOUNTED
BLDG	BRITISH THERMAL UNITS PER HOUR	- N -	NOISE CRITERIA
BTUH	CEILING DIFFUSER	NC	NORMALLY CLOSED
- C -	CUBIC FEET PER MINUTE	NG	NATURAL GAS
CD	CARBON MONOXIDE	NIC	NOT IN CONTRACT
CFM	COMPRESSOR	NO	NORMALLY OPEN
CO	CONTINUATION	NPS	NOMINAL PIPE SIZE
COMP	DIRECT DIGITAL CONTROL	NTS	NOT TO SCALE
CONT	DEGREE	- O -	OUTSIDE AIR
- D -	DIGITAL INPUT	OA	ON CENTER
DDC	DIAMETER	OC	OUTDOOR DRIP PROOF
DEG	DOWN	ODP	OPERATING
DI	DIGITAL OUTPUT	OPER	OUTSIDE AIR
DIA	DOWN THRU ROOF	OSA	
DN	DOUBLE WALL DUCT	- P -	PRESSURE DROP
DO	DRAWING	P.D.	PHASE
DTR	DIRECT EXPANSION	PH	POUNDS PER SQUARE INCH
DWD	EXISTING	PSI	
DWG	EXHAUST AIR	- Q -	QUANTITY
DX	EXHAUST AIR DUCT	QTY	
- E -	ENTERING AIR TEMPERATURE	- R -	RETURN AIR
(E)	ENERGY EFFICIENCY RATIO	RA	RETURN AIR DUCT
EA	EFFICIENCY	RAD	RETURN GRILLE
EAD	EXHAUST GRILLE	RL	REFRIGERATION LIQUID
EAT	ENERGY MANAGEMENT SYSTEM	RPM	REVOLUTIONS PER MINUTE
EER	EQUIPMENT	RS	REFRIGERATION SUCTION
EFF	EXTERNAL STATIC PRESSURE	- S -	SUPPLY AIR
EG	ENTERING WATER TEMPERATURE	SA	SUPPLY AIR DUCT
EMS	FRESH AIR INTAKE	SAD	SENSIBLE
EQUIP	FLOOR	SENS	SUPPLY FAN
ESP	FINS PER INCH	SF	SHEET METAL SCREW
EW	FOOT, FEET	SMS	SHUT OFF VALVE
- F -	GAUGE	SOV	STATIC PRESSURE
FAI	GALVANIZED IRON	S.F.	SQUARE
FLR	GALLONS PER MINUTE	SO	STAINLESS STEEL
FPI		S/S	SIDEWALL RETURN GRILLE
FT		SWR	SIDEWALL SUPPLY GRILLE
- G -	HORSEPOWER	SWS	SYMBOL
GA	HEATING VENTILATING AND AIR CONDITIONING	SYM	
GI	HOT WATER	- T -	TOTAL DYNAMIC HEAD
GPM	HERTZ	TDH	TRANSFER GRILLE
- H -	INCHES	TG	THERMOSTAT
HP	KILOWATT	TSTAT	TYPICAL
HR		- U -	UNLESS NOTED OTHERWISE
HVAC		UNO	UP THRU ROOF
HW		UTR	
HZ		- V -	VOLTS ALTERNATING CURRENT
- I -	LINED DUCT	VAC	VARIABLE FREQUENCY DRIVE
IN.	LEAVING AIR TEMPERATURE	VFD	
- K -	LEAVING WATER TEMPERATURE	- W -	WEIGHT
KW		WT	WITH
- L -		W/	
(L)			
LAT			
LB			
LWT			

MECHANICAL NOTES	
1.	ALL MECHANICAL SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND THE ARCHITECT.
2.	ALL ENVIRONMENTAL AIR DUCTS SHALL DISCHARGE A MINIMUM OF 3' FROM OPENINGS TO STRUCTURE PER 2014 INDIANA MECHANICAL CODE.
3.	CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.
4.	ALL PIPES AND DUCTS SHALL BE SUPPORTED AND BRACED PER "SMACNA" GUIDELINES & OSHPD PRE-APPROVED.
5.	THE CONTRACTOR SHALL FULLY COORDINATE ALL WORK WITH OTHER TRADES TO ASSURE ALL WORK CAN BE PROPERLY INSTALLED WITHOUT INTERFERENCE OR DELAY.
6.	CLEAN UP ALL WASTE AND DEBRIS AT THE END OF EACH WORKING DAY AND AT THE COMPLETION OF THE JOB.
7.	ALL SPECIFIED EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
8.	PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.
9.	UPON COMPLETION OF WORK, THE CONTRACTOR SHALL HAVE ALL AIR SYSTEMS BALANCED TO INDICATED AIR FLOW QUANTITIES BY A CERTIFIED AABC BALANCING CONTRACTOR AND PROVIDE A POST-CONSTRUCTION AIR BALANCE REPORT.
10.	DUCT SIZES SHOWN ON DRAWINGS ARE IN INCHES (CLEAR INSIDE DIMENSIONS) AND REPRESENT THE FREE OR UNOBSTRUCTED AREA REQUIRED ON THE INSIDE OF THE DUCT.
11.	ALL DUCTWORK SHALL BE GALVANIZED STEEL PER SMACNA GUIDELINES UNLESS OTHERWISE NOTED.
12.	RUN ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. PIPING SHALL BE ABOVE DUCTWORK.
13.	DESIGN OF THE MAJOR HVAC EQUIPMENT IS BASED ON MANUFACTURER AS SCHEDULED. OTHER MANUFACTURERS MAY BE SUBSTITUTED IF THEIR EQUIPMENT IS SIGNIFICANTLY EQUAL TO THE EQUIPMENT SHOWN IN THESE DRAWINGS/AS SCHEDULED AND ON SPECIFICATIONS. ACCEPTANCE OF THE ALTERNATE EQUIPMENT WILL BE BASED ON EVALUATION BY THE DESIGN ENGINEER OF CAPACITY, PERFORMANCE, EFFICIENCY, SIZE (FOOTPRINT AND HEIGHT), WEIGHT, PRESSURE LOSS, NOISE LEVEL, AND MINIMAL PIPING AND ELECTRICAL CHANGES.
14.	ALL COSTS REQUIRED FOR A SUBSTITUTION SHALL BE BORNE BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO: - MODIFICATIONS OF PIPING AND ELECTRICAL CONNECTIONS - COSTS FOR ADDITIONAL REVIEW TIME REQUIRED OF THE DESIGN ENGINEER TO EVALUATE THE SUBSTITUTION
15.	IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE THE SUBSTITUTED EQUIPMENT FIT WITHIN THE SPACE LIMITATIONS SET ASIDE FOR THE DESIGNED EQUIPMENT.
16.	CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
17.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE CODES AND REGULATIONS AND OTHER AUTHORITIES HAVING JURISDICTION.
18.	ALL MECHANICAL WORK SHALL COMPLY WITH 2014 INDIANA MECHANICAL CODE. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
19.	IF REQUIRED, SMOKE DETECTORS SHALL BE PROVIDED BY EQUIPMENT MANUFACTURER'S AND FACTORY INSTALLED. WHEN UNAVAILABLE THRU MFR, CONTRACTOR SHALL INSTALL SMOKE DETECTORS IN THE RETURN AIR DUCT, UNO, NEAR THE CEILING LINE, UPSTREAM OF ANY BRANCH TAKE-OFFS.
20.	FABRICATE, INSTALL, SEAL AND INSULATE ALL DUCTWORK IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF THE 2014 INDIANA MECHANICAL CODE AND 2010 INDIANA ENERGY CONSERVATION CODE.
21.	ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
22.	NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER AND/OR ENGINEER TO CONFIRM THAT SITE SERVICES WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG AND PERIOD OF TIME.
23.	FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE OWNER AND/OR ENGINEER FOR EXPEDITING AND RESOLVE.
24.	DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
25.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
26.	WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
27.	SUBMISSION OF A PROPOSAL DIRECTLY OR INDIRECTLY IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
28.	ALL DUCTWORK AND CEILING, WALL OR ROOF PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL JOISTS AND BEAMS. PROVIDE OFFSETS IN PIPES AND DUCTS TO AVOID CUTTING OF BEAMS AND JOISTS.
29.	CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT AND TRANSFER TO POINT OF INSTALLATION, OWNER FURNISHED ITEMS.

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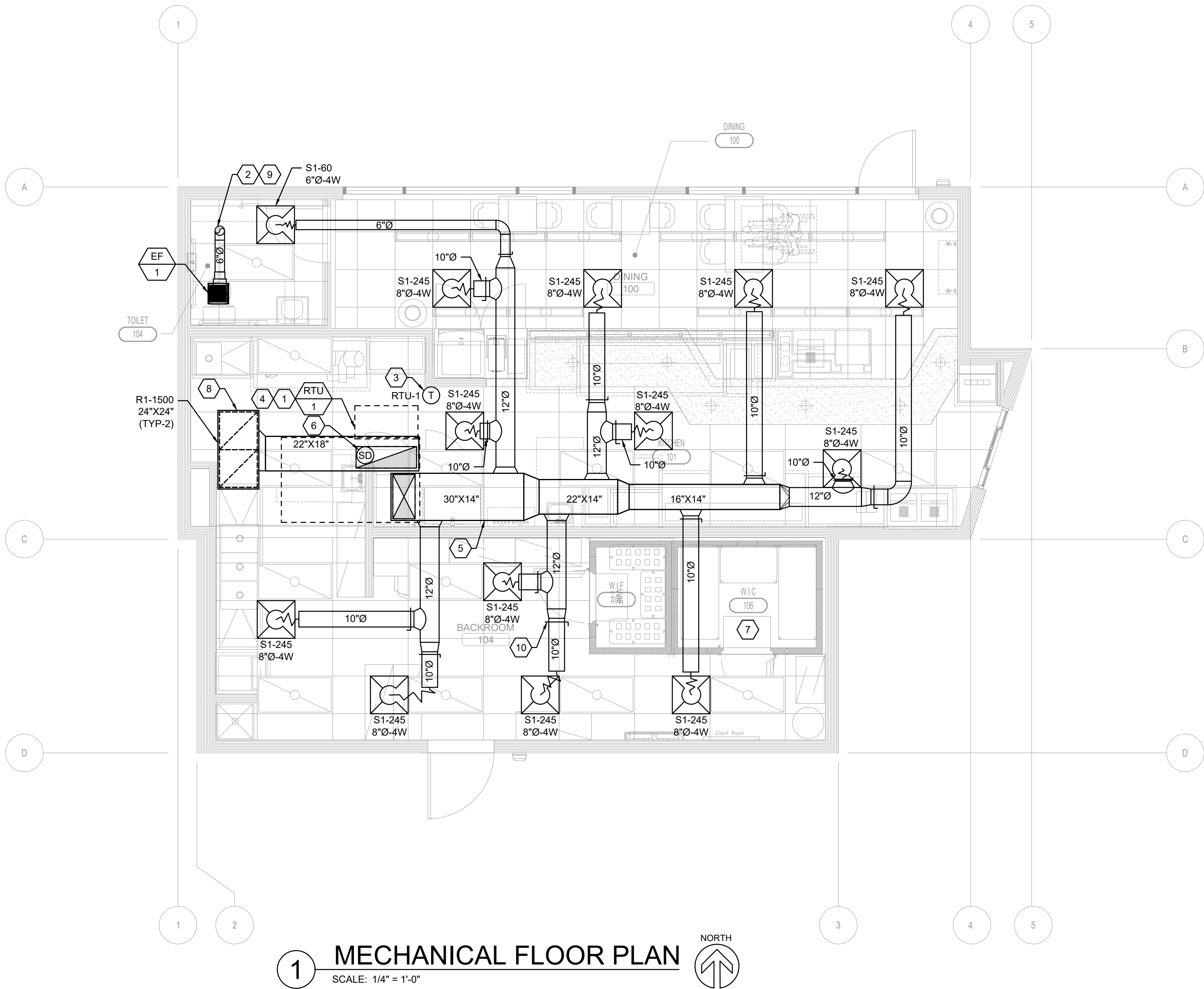
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MECHANICAL GENERAL NOTES AND SYMBOLS

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MECHANICAL GENERAL NOTES

- DUCTWORK SHALL BE RUN ABOVE CEILING AS HIGH AS POSSIBLE IN GENERAL LOCATIONS SHOWN, BUT SHALL CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF BUILDINGS. COORDINATE WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS PRIOR TO ANY INSTALLATION.
- LOCATE EQUIPMENT AND FIXTURES APPROXIMATELY AS SHOWN CONFORMING TO ALL ARCHITECTURAL AND STRUCTURAL ITEMS. PROVIDE ALL SUPPORTS, HANGERS AND OPENINGS AS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR CLEARANCES, AND EXACT LOCATIONS OF EQUIPMENT. ALL EQUIPMENT AND FIXTURES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND IN FULL ACCORDANCE WITH ALL APPLICABLE CODES.
- CEILING MOUNTED AIR DEVICES SHALL BE APPROXIMATELY AS SHOWN. FOR EXACT LOCATION AND FRAME MOUNTING TYPES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. ALL CEILING DIFFUSERS TO BE 4-WAY UNLESS NOTED OTHERWISE BY AIRFLOW ARROWS, ON FLOOR PLAN. EXTEND FLEX DUCTWORK FROM DIFFUSERS. INSTALL STRAIGHT AS POSSIBLE WITH LONG RADIUS BENDS AND CLAMPS TO BE USED AT BOTH ENDS.
- DUCTWORK WITH TURNING VANES INSTALLED IN ALL ELBOWS OF SUPPLY AIR DUCTS, AIR EXTRACTORS AT ALL RECTANGULAR TAKE-OFFS, AND TWIST-IN TAP WITH MANUAL VOLUME DAMPER AT ALL ROUND BRANCH TAKE-OFFS TO AIR DEVICES.
- DUCT SMOKE DETECTORS REQUIRED IN UNIT RETURN AIR PLENUM SHALL BE IONIZATION TYPE AND SHALL BE APPROVED AND LISTED BY UL OR FM FOR DUCT INSTALLATION. ACTIVATION OF A DUCT DETECTOR SHALL CAUSE SHUTDOWN OF RTU. CONTROL AND INTERLOCK WIRING SHALL RUN IN CONDUIT WHICH SHALL BE SIZED TO SUIT THE NUMBER, TYPE AND SIZE OF CONDUCTORS AND SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. CONTROL AND INTERLOCK WIRING SHALL BE IN SEPARATE CONDUIT FROM POWER WIRING PER LOCAL APPLICABLE ELECTRICAL CODE. ALL WIRING SHALL BE IN ACCORDANCE WITH NEC. PROVIDE ALL APPROPRIATE ACCESS PANELS.
- PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT WITH SUB-BASE AS NOTED ON PLAN. TRANSFORMERS AND 24 VOLT CONTROL WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING. THERMOSTATS SHALL BE MOUNTED 48" A.F.F. AND SET POINT SHALL BE AS FOLLOWS: COOLING IN DINING 74°F; ALL OTHERS 78°F; HEATING 68°F FOR ALL. VERIFY FINAL LOCATION WITH OWNER.
- BUILDING AIR SYSTEMS SHALL BE BALANCED PER DATA INCLUDED ON THE DRAWINGS TO ACHIEVE RELATIVE AIR VOLUMES AS INDICATED ON THE DRAWINGS AND SCHEDULED HEREIN.
- ALL DUCT SIZES INDICATED ON DRAWINGS ARE CLEAR INTERNAL DIMENSIONS.
- WHERE SHOWN ON THE DRAWINGS, PROVIDE VOLUME DAMPERS WITH LOCKING QUADRANTS OR SPLITTERS WITH HINGE AND ROD THRU SIDE OF DUCT WITH SET SCREW. VOLUME DAMPER HANDLES SHALL BE INSTALLED ON THE BOTTOM OF THE SPIN-IN FITTING AND SHALL HAVE RING SET IN FULL OPEN POSITION.
- COORDINATE LOCATIONS OF EXHAUST FAN, RTU'S WITH EXISTING STEEL BEAMS AND JOIST. COORDINATE WITH STRUCTURAL ENGINEER.
- ALL EXHAUST OUTLETS WILL BE A MINIMUM OF 10'-0" FROM ANY AIR INTAKE.
- HVAC CONTRACTOR TO COORDINATE INSTALLATION WITH ALL TRADES.
- CONTRACTOR TO COORDINATE WITH ARCHITECT FOR EXACT LOCATION OF RTU AND ALL REQUIREMENTS.
- ALL THREAD FOR DUCT WORK SUPPORTS ARE TO BE FASTENED TO SOLID BLOCKING ABOVE DRYWALL WHEN A HARD LID.
- MECHANICAL CONTRACTOR TO COORDINATE INSTALLATION WITH LIGHT FIXTURES AND FIRE SPRINKLER LINES.

MECHANICAL KEY NOTES

- HVAC CONTRACTOR SHALL SUPPLY AND INSTALL A 7.5 TON UNIT RTU-1. PROVIDE FLEXIBLE CONNECTORS FOR THE SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN. PROVIDE DUCT WORK AND AIR DISTRIBUTION DEVICES AS INDICATED ON THE PLAN. REFER TO EQUIPMENT SCHEDULES FOR ADDITIONAL REQUIREMENTS.
- EXTEND DUCTS FROM EACH CEILING EXHAUST FAN TO 10"Ø AT EXHAUST DUCT THROUGH ROOF. TERMINATE ROOF DUCT NO LESS THAN 10'-0" FROM ANY OUTSIDE AIR INTAKE. PROVIDE WEATHERPROOF CAP AND BIRDSCREEN.
- THERMOSTAT LOCATED AT 48" ABOVE FINISH FLOOR OR ALIGNED WITH LIGHT SWITCH. THERMOSTAT AT SHALL BE COMPATIBLE WITH TEMPERATURE SENSOR. PROVIDE THERMOSTAT AT WITH WIFI CAPABILITIES. STUB CONDUIT INTO CEILING AT THERMOSTAT LOCATION.
- COORDINATE NEW RTU-1 LOCATION WITH EXISTING ROOF JOIST. COORDINATE WITH STRUCTURAL ENGINEER.
- FURNISH AND INSTALL GALVANIZED STEEL DUCTWORK. SIZE AS NOTED ON DRAWINGS. DUCTWORK SIZES ARE SHEET METAL SIZED. ALL NEW DUCTWORK SHALL HAVE 1" INTERNAL LINER.
- CONTRACTOR TO INSTALL NEW DUCT SMOKE DETECTOR IN RETURN AIR DUCT, TO BE WIRED BY ELECTRICAL CONTRACTOR. PROVIDE WITH LOCAL AUDIO/VISUAL ALARM WITH TEST SWITCH. DUCT SMOKE DETECTOR TO BE INTERLOCKED WITH CORRESPONDING HVAC UNIT FOR SHUTDOWN UPON ACTIVATION.
- WALK IN COOLER BY OTHERS.
- 1" EXTERNALLY INSULATED RETURN AIR DUCT. COORDINATE ROUTING WITH EXISTING STRUCTURE, PIPING ETC.
- CONTRACTOR SHALL ENSURE THAT EXHAUST FANS ARE AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES FOR RTU-1 ADJOINING TENANT'S OUTSIDE AIR INTAKE.
- VOLUME DAMPER AT DUCT CONNECTION TO MAIN SUPPLY AIR DUCT TYPICAL.

ROUND DUCT SPECIFICATION

ALL EXPOSED DUCTWORK IN DINING AREA MUST BE ROUND SPIRAL DUCTWORK. SQUARE OR RECTANGULAR DUCTWORK IS NOT PERMITTED. ROUND SPIRAL DUCTWORK MUST BE MIN. 24 GAUGE, SINGLE WALL, GALVANIZED STEEL WITH SPIRAL LOCK SEAM OR SOLID WELDED CONSTRUCTION. ELBOWS SHALL BE STANDING SEAM, GORED ELBOWS. SUPPLY GRILLES SHALL BE MOUNTED ON GRILLE COLLARS TO BE ATTACHED TO DUCTWORK WITH POP RIVETS WITH A FINISHING FILLET OF ELASTOMER SEAL AT THE JUNCTION OF THE COLLAR TO THE DUCT. DUCT TO DUCT JOINTS SHALL BE MADE WITH THE SPIRAL SEAM ROTATED SO THAT THE STANDING SEAM FORMS A CONTINUOUS HELICAL PATTERN ACROSS THE JOINT.

ALL DUCTWORK AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH LATEST SMACNA HVAC DUCT CONSTRUCTION STANDARDS. ALL EXPOSED ROUND DUCTWORK AND FITTINGS IN THE DINING AREA SHALL BE CLEANED OF ALL OILS AND COATINGS PRIOR TO INSTALLATION. PROVIDE WITH A MILL PHOSPHITIZED FINISHING ("PAINT GRIP" OR SIMILAR ETCH TREATMENT) TO ALLOW THE DUCTWORK TO BE PAINTED. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR.

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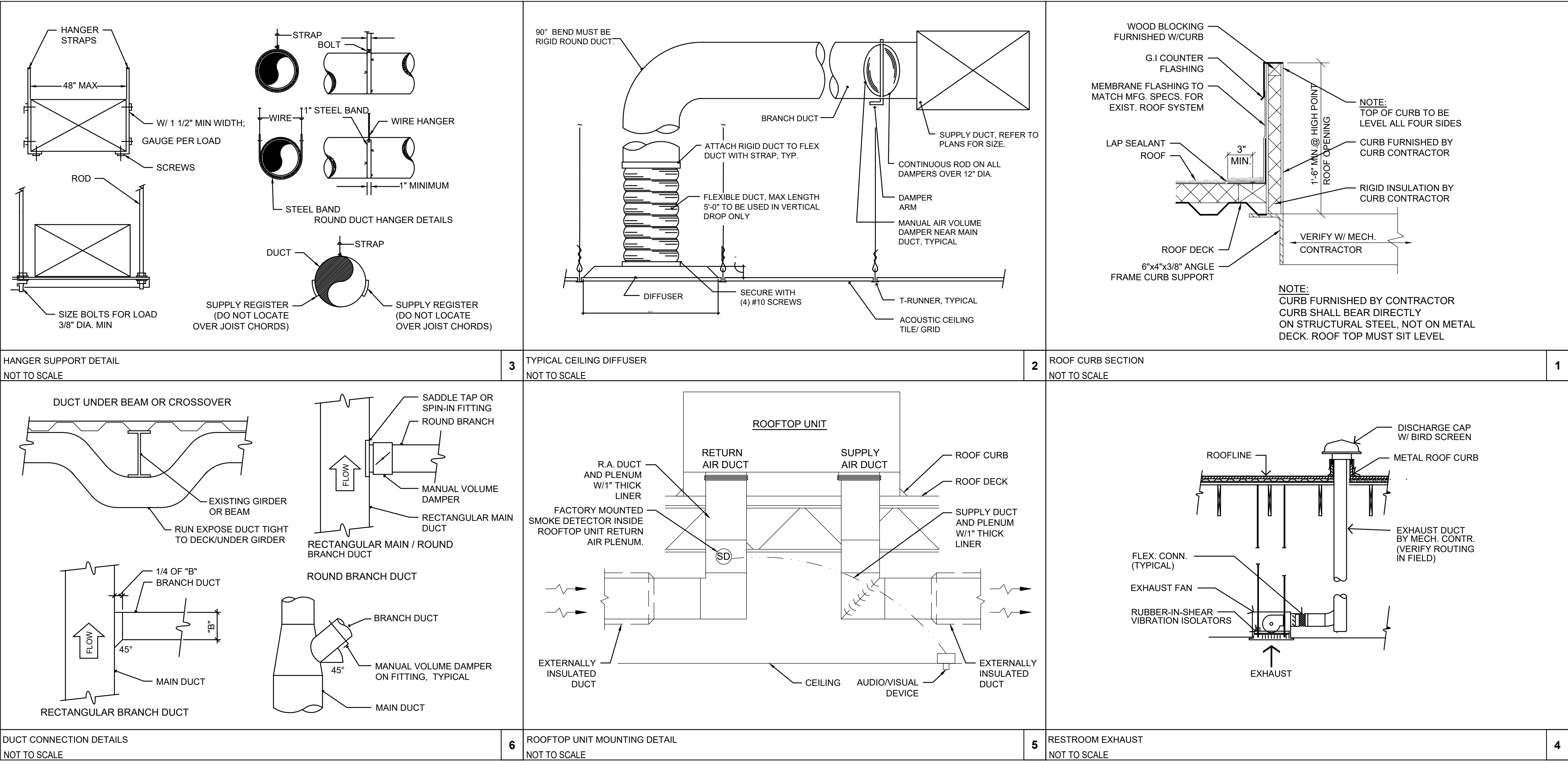
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MECHANICAL
FLOOR PLAN

SHEET NUMBER:

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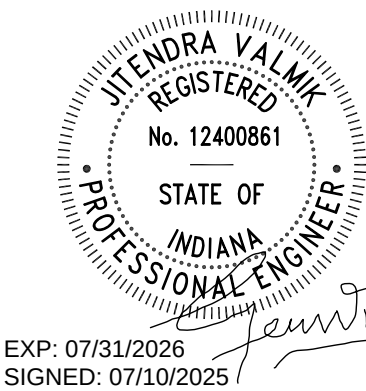
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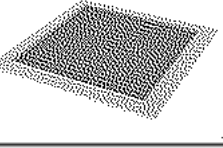
MECHANICAL
DETAILS

SHEET NUMBER:

JJM1.3

PACKAGED ROOFTOP UNIT SCHEDULE																												
GENERAL				COOLING COIL SECTION				SUPPLY FAN				GAS HEATING				ELECTRICAL DATA			EFFICIENCY		PHYSICAL CHARACTERISTICS				TYPE OF SYSTEM	MODEL	BASIS OF DESIGN	NOTES
EQUIPMENT TAG	CONDITION	LOCATION	QUANTITY	NOMINAL TONS	TYPE OF REFRIGERANT	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	CFM	OA (CFM)	ESP (in. wc)	MOTOR BHP	INPUT (MBH)	OUTPUT (MBH)	NO. OF STAGES	TEMP. RISE (°F)	MCA	MOCp	V/PH/Hz	EER	AFUE	DIMENSIONS(in)			NET WEIGHT (lbs)				
																					L	W	H					
RTU-1	NEW	ROOF	1	7.5	R-410	90	70.4	3000	300	1	1.14	150	121	2	35-65	42	50	208/3/60	11	81%	88	53 1/2	51	1013	GAS BASED ROOF TOP UNIT	YSJO90	TRANE	1 TO 13
NOTES: 01. INSTALL PER MANUFACTURER'S INSTRUCTIONS. 02. PROVIDE SMOKE DETECTOR IN THE RETURN DUCT FOR UNITS PROVIDING 2000CFM OR GREATER. PROVIDED BY MECHANICAL, INSTALL BY ELECTRICAL. 03. PROVIDE WITH DISCONNECT SWITCH. 04. PROVIDE & INSTALL 100% ECONOMISER PACKAGE AT RTU-1. 05. CONTRACTOR SHALL PROVIDE UNITS W/PRE-FABRICATED (14") ROOF CURB. 06. PROVIDE UNIT WITH MERV-13 FILTERS. 07. PROVIDE UNIT 7-DAY PROGRAMMABLE THERMOSTATS WITH NIGHT SET BACK CAPABILITIES. 08. PROVIDE UNITS WITH ANTICYCLE TIME DELAY AND HIGH AND LOW PRESSURE PROTECTION. 09. ADJUST O.A. DAMPERS AT RTU-1 AND TO CFM SCHEDULED. 10. VERIFY ELECTRICAL VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING. 11. OR APPROVED EQUAL EQUIPMENT - CARRIER, LENNOX, YORK. 12. THE CONTRACTOR MUST COORDINATE WITH THE VENDOR FOR THE RTU SELECTION WITH R-32 REFRIGERANT BEFORE PLACING THE ORDER																												

AIR BALANCE SCHEDULE						
EQUIPMENT TAG	SUPPLY AIR (CFM)	OUTDOOR AIR (CFM)	MAKE-UP AIR (CFM)	EXHAUST AIR (CFM)	RETURN AIR (CFM)	PRESSURE (CFM)
RTU-1	3,000	300	-	-	2,700	300
EF-1	-	-	-	80	-	-80
BUILDING TOTAL	3,000	300		80	2,700	220
* - INTERMITTENT FAN OPERATION				PRESSURE =		7.3%
				MAKE-UP: A/C UNITS OUTSIDE AIR INTAKE FAN MAKE UP		+300 +0 +300 CFM
				EXHAUST: HOOD EXHAUST GENERAL EXHAUST		0 -80 -80 CFM
				BALANCE RESULTS: MAKE UP EXHAUST		+300 -80 +220

AIR DEVICE SCHEDULE										
					NOMENCLATURE	U = USAGE (S = SUPPLY, R = RETURN, E = EXHAUST, T = TRANSFER CFM = AIR QUANTITY SIZE = NECK SIZE OF AIR DEVICE				EXAMPLE
					U-CFM SIZE- B	T = TYPE OF AIR DEVICE B = BLOW PATTERN				S1-150 6"Ø-4W
TYPE	USAGE	SERVING	NECK SIZE	PANEL/FACE SIZE	MATERIAL	DESCRIPTION	MANUFACTURER	MODEL NO.	REMARKS	REFERENCE IMAGE
S1	SUPPLY	REFER TO FLOOR PLAN	SEE PLAN	24"X24"	STEEL	4 WAY AIR STEEL SUPPLY AIR DIFFUSER	TITUS	TMS	1,2,3,4,6,8,9	
R1	RETURN	REFER TO FLOOR PLAN	SEE PLAN	24"X24"	ALUMINIUM	-	TITUS	50F	1,2,3,4,6,9	
NOTES: 1. PROVIDE SQUARE NECK TO ROUND ADAPTER AS REQUIRED. (FOR FLEX CONNECTION) 2. FRAME SHALL FIT LAY-IN CEILING MODULE. 3. MAXIMUM NC = 30 4. WHITE FINISH UNLESS OTHERWISE SPECIFIED. 5. 12" INLET, 3 SLOT, 1" SLOT WITH, LAY-IN CEILING. 6. GRILLES IN SALES, ORDERING, SEATING AND CORRIDORS TO BE A FLAT BLACK FACTORY FINISH. 7. FRAME SHALL FIT HARD CEILING MODULE. 8. PROVIDE FOAM GASKET SEAL. 9. COORDINATE FRAME TYPE WITH REFLECTED CEILING PLAN & ARCHITECT. * OR APPROVED EQUAL										

EXHAUST FAN SCHEDULE															
TAG	CONDITION	QUANTITY	AREA SERVED	LOCATION	TYPE	CFM	E.S.P. (IN. WC)	DRIVE TYPE			SONES	WEIGHT(LBS)	MANUFACTURER	MODEL	NOTES
									AMPS	VOLTS/PH/Hz					
EF-1	NEW	1	REFER TO PLAN	CEILING	DIRECT	80	0.1	DIRECT	0.2	120/1/60	0.3	12	BROAN	QTXE080	1, 2, 3, 4
NOTES: 1. INSTALL PER MANUFACTURER'S INSTRUCTION. 2. EXHAUST FANS SHALL HAVE BUILT-IN BACKDRAFT DAMPERS AND TERMINATE WITH GOOSENECK. 3. VERIFY ELECTRICAL VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING. 4. INTERLOCK WITH LIGHT SWITCH /OCCUPANCY SENSOR.															

VENTILATION SCHEDULE - 2014 INDIANA MECHANICAL CODE															
NO.	ZONE	NAME	OCCUPANCY CLASSIFICATION	FLOOR AREA (S.F.)	OCCUOANTS PER 1000 SQ.FT.	OCCUPANTS (ACTUAL)	REQUIRED OUTSIDE AIR VENTILATION				ACTUAL ROOM VENTILATION				EQUIPMENT
							CFM/ PERSON	CFM/ SQ.FT.	TOTAL O.A	EXHAUST CFM	TOTAL SUPPLY CFM	TOTAL O.A	EXHAUST CFM	RETURN	
1	1	TOILET	BATHROOMS / TOILETS-PRIVATE	50	-	-	-	-	0	80	60	300	80	2700	RTU-1
2	1	DINING ROOM	DINING ROOM	275	70	8	7.5	0.18	110	0	980		0		RTU-1,EF-1
3	1	KITCHEN	KITCHEN	390	-	3	-	-	0	0	735		0		RTU-1
4	1	BACK ROOM	LOBBIE	270	30	0	7.5	0.06	16	0	1225		0		RTU-1
TOTAL				985		11			126	80	3000	300	80	2700	-

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REV	REV DESCRIPTION	DATE
-	ISSUE FOR PERMIT	07/09/2025

STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER
No. 12400861
JENNIFER VALENTI
EXP: 07/31/2026
SIGNED: 07/10/2025

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Drawn / Designed
Reviewed By:
Project Number:

SHEET NAME:

MECHANICAL
SCHEDULES

SHEET NUMBER:

JJM1.4

DIVISION 16 - ELECTRICAL SPECIFICATION

SECTION 16100
ELECTRICAL SPECIAL CONDITIONS

1. GENERAL

A. APPLICABLE PROVISIONS OF AIA DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AND DIVISION 1 GENERAL CONDITIONS GOVERN WORK UNDER THIS SECTION AND ALL OTHER SECTIONS OF DIVISION 16.

B. APPLICABLE PROVISIONS OF THIS SECTION GOVERN WORK UNDER ALL OTHER SECTIONS OF DIVISION 16. WORK COVERED BY THIS SECTION SHALL CONSIST OF PROVIDING ALL MATERIAL, LABOR, EQUIPMENT AND SERVICES NECESSARY FOR A COMPLETE, TESTED AND ADJUSTABLE ELECTRICAL INSTALLATION READY FOR OPERATION AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.

C. THE TERM CONTRACTOR AS USED IN THIS SECTION SHALL MEAN ANY CONTRACTOR OR SUBCONTRACTOR WHO HAS CONTRACTED TO PERFORM WORK INCLUDED IN AND DEFINED BY THIS SECTION AND ALL OTHER SECTIONS OF DIVISION 16.

D. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION. ALL MATERIALS AND EQUIPMENT SHALL BE COMMERCIAL GRADE AND SHALL CARRY A U.L. LABEL.

D. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING COMPONENTS THEREOF SHALL BE NEW AND SUCH AS APPEARS ON THE UNDERWRITERS LABORATORY LIST OF APPROVED ITEMS AND SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (N.E.C.) AND OTHER APPLICABLE CODES.
2. EXISTING CONDITIONS

A. THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED TO OUR OFFICE AT THE TIME OF DESIGN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO: SERVICE LOCATION, SERVICE LAYOUTS, SECONDARY FEEDER LENGTH, TELEPHONE SERVICE LOCATION, ETC... AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO BID. FAILURE TO DO SO MAY CONSTITUTE THAT THE CONTRACTOR PROVIDE ANY AND ALL ADDITIONAL EQUIPMENT, LABOR, ETC... TO MEET THE INTENDED DESIGN PARAMETERS.

B. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS.
3. CONTRACTOR'S RESPONSIBILITY

A. PRIOR TO SUBMITTING HIS BID, CONTRACTOR SHALL CAREFULLY EXAMINE THESE CONSTRUCTION DOCUMENTS, THE DEVELOPER'S EXHIBITS, AND THE SITE TO INQUIRE FULLY INTO DIFFICULTIES AND COSTS OF WORK, AND TO DETERMINE THE SCOPE AND CHARACTER OF WORK TO BE DONE. CONTRACTOR SHALL INCLUDE ALL NECESSARY COSTS TO LOCATE AND/OR EXTEND ALL UTILITIES INCLUDING BUT NOT LIMITED TO: POWER PANELS, ELECTRICAL SERVICE, PHONE SERVICE AND/OR MISC. EQUIPMENT TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THE OWNER, OWNER'S AGENT, ARCHITECT, ENGINEER OR DESIGNER SHALL NOT BE RESPONSIBLE FOR FAILURE OF THE CONTRACTOR TO DETERMINE DIFFICULTIES AND COSTS IN THE PROJECT OR FOR HIS OVERLOOKING OF THE REQUIREMENTS.

B. IF THIS CONTRACTOR DOES NOT CLEARLY UNDERSTAND THE PLANS AND SPECIFICATIONS, OR IF THERE ARE ANY REQUIREMENTS WHICH ARE AMBIGUOUS IN THE CONTRACTOR'S OPINION, HE SHOULD CALL THIS TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING. SINCE THIS CONTRACTOR WILL BE HELD RIGIDLY TO THE INTERPRETATIONS OF THE ARCHITECT AND ENGINEER.

C. CONTRACTOR SHALL SCHEDULE HIS WORK IN COOPERATION WITH OTHER TRADES INSTALLING INTERRELATED WORK. ALL WORK SHALL BE SCHEDULED TO MAINTAIN SERVICE TO ALL REQUIRED AREAS DURING THE COURSE OF THE CONSTRUCTION EXCEPT FOR SHORT TERM PLANNED SHUTDOWNS, ANY OF WHICH SHALL BE PRE-SCHEDULED WITH THE OWNERS AGENT AND THE LANDLORD.
4. WORKMANSHIP AND GUARANTEE

A. IN ENTERING INTO A CONTRACT COVERING THIS WORK, THE CONTRACTOR ACCEPTS THE SPECIFICATIONS, AND GUARANTEES THAT THE WORK WILL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR FURTHER GUARANTEES THAT THE WORKMANSHIP AND MATERIAL WILL BE OF THE BEST procurable and THAT NONE BUT EXPERIENCED WORKMEN EXPERIENCED IN EACH PARTICULAR CLASS OF WORK WILL BE EMPLOYED. CONTRACTOR FURTHER GUARANTEES TO REPLACE AND MAKE GOOD AT HIS OWN EXPENSE ANY DEFECTS DUE TO FAULTY WORKMANSHIP OR MATERIALS WHICH MAY DEVELOP WITHIN ONE (1) YEAR AFTER FINAL PAYMENT AND ACCEPTANCE BY THE ARCHITECT.
5. CODES AND STANDARDS

A. CONTRACTOR WILL COMPLY IN ALL RESPECTS WITH THE ADOPTED BUILDING CODES, APPLICABLE LAWS, ORDINANCES, AND REGULATIONS AS MAY APPLY ACCORDING TO THE RULING OF THE CONTROLLING AGENCY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND SERVICES REQUIRED FOR A COMPLETE AND WORKING PROJECT AT NO ADDITIONAL COST EVEN THOUGH EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN.
6. FEES ON PERMITS

A. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAKING PAYMENT FOR ALL FEES, PERMITS AND INSPECTIONS RELATING TO HIS WORK.
7. CONTRACT DRAWINGS

A. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND INTENT OF THE DESIGN AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONDITIONS AND THE WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, WHICH MAY BE REQUIRED, NOR IS IT IMPLIED THAT THERE WILL BE NO CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE SYSTEMS OR BUILDING COMPONENTS HAVE BEEN INDICATED. THE CONTRACTOR SHALL INVESTIGATE ALL EXISTING CONDITIONS AFFECTING THE WORK AND ARRANGE FOR SUCH FITTINGS, OFFSETS, ACCESSORIES AND DEVICES AS MAY BE REQUIRED. THE DRAWINGS AND SPECIFICATIONS ARE MUTUALLY COMPLEMENTARY, AND ANY WORK REQUIRED BY ONE BUT NOT BY THE OTHER SHALL BE PERFORMED BY BOTH. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND SERVICES REQUIRED FOR A COMPLETE AND WORKING PROJECT AT NO ADDITIONAL COST EVEN THOUGH EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN EACH AND EVERY NECESSARY ELEMENT THEREOF IS NOT SPECIFICALLY IDENTIFIED HEREIN.

B. CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS BUT SHALL FOLLOW THE ARCHITECTURAL DRAWINGS OR EXISTING CONDITIONS WHERE APPLICABLE. IN ESTABLISHING DIMENSIONS AND LINES OF RUN, SINCE DIMENSIONS ON THE FINAL ARCHITECTURAL DRAWINGS OR AT THE SITE MAY NOT COINCIDE WITH THOSE SHOWN ON THE ELECTRICAL DRAWINGS, THE CONTRACTORS SHALL VERIFY WITH THE DIMENSIONS ON THE ARCHITECTURAL DRAWINGS OR THE SITE CONDITIONS THE EXACT MATERIAL QUANTITIES AND LENGTHS NECESSARY.

C. SIGNIFICANT DEVIATIONS OR CHANGES FROM THE DRAWINGS WHICH ARE REQUIRED TO ACCOMPLISH THE INTENT OF THE CONTRACT DOCUMENTS MUST BE REVIEWED WITH THE ARCHITECT AND APPROVED BEFORE PROCEEDING.
8. SHOP DRAWINGS

A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FOUR (4) COPIES MINIMUM, FOR ALL MANUFACTURED PRODUCTS. EACH SHOP DRAWING SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO ASSURE THAT ALL DIMENSIONS, QUANTITIES, CONNECTIONS, CAPACITIES AND ACCESSORIES SHOWN ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND SHALL BE MARKED OR STAMPED TO CONFIRM THAT SHOP REVIEW WAS MADE AND COMPLIANCE WAS CONFIRMED.

B. APPROVAL OF SUCH DRAWINGS BY THE OWNER, OWNER'S AGENT, ARCHITECT, ENGINEER OR DESIGNER, WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF COMPLYING WITH ALL TERMS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PERFORMANCE OF ALL EQUIPMENT PURCHASED, FOR PROPER FIT, AND OTHER DIMENSIONAL REQUIREMENTS
9. RECORD DRAWINGS

A. CONTRACTOR SHALL MAINTAIN AT THE JOB SITE ONE SET OF DOCUMENTS AS "RECORD DRAWINGS" FOR THE PURPOSES OF RECORDING ALL SUBSTANTIAL REVISIONS TO THE DOCUMENTS INCLUDING BUT NOT LIMITED TO ELECTRICAL CHANGES, AND LOCATIONS OF UTILITIES, PANELBOARDS, DISCONNECTS, STARTERS AND OTHER DEVICES REQUIRING PERIODIC OPERATIONAL ATTENTION, ADJUSTMENT, OR SERVICE, INCLUDING ACCESS TO THE COMPLETION OF THE PROJECT. THIS SET SHALL BE RETURNED TO THE ARCHITECT FOR THE PURPOSE OF MAKING FINAL "AS-BUILT" DRAWINGS.

A. SPECIFIC MANUFACTURERS AND MODELS OF EQUIPMENT HAVE BEEN USED IN THE DEVELOPMENT OF THE DRAWINGS AND DESIGNS. THIS CONTRACTOR MUST SUBMIT TO THE OWNER ANY CHANGES AND/OR SUBSTITUTIONS FOR APPROVAL PRIOR TO INSTALLATION OR EXECUTION, ANY CHANGES WHICH DO NOT RECEIVE THE OWNER'S APPROVAL, MAY BE SUBJECT TO REMOVAL OR REPLACEMENT AS ORIGINALLY SPECIFIED, AND WILL BE AT THE CONTRACTOR'S EXPENSE.

B. IF THIS CONTRACTOR SUBSTITUTES FOR SPECIFIED EQUIPMENT ANY OTHER EQUIPMENT WHICH REQUIRES ANY CHANGES TO THE DESIGN, ALL COSTS OF REDESIGN AND RECONFIGURATION RESULTING FROM SAID SUBSTITUTION SHALL BE BORNE BY THE SUBMITTING CONTRACTOR.
11. EQUIPMENT INSTALLATION AND SUPPORT

A. CONTRACTOR SHALL SUPPORT PLUMB, RIGID AND TRUE-TO-LINE ALL WORK AND EQUIPMENT INSTALLED. THIS CONTRACTOR SHALL DETERMINE HOW EQUIPMENT, FIXTURES, ETC., ARE TO BE SUPPORTED, MOUNTED, OR ACCESSORIES REQUIRED FOR PROPER SUPPORT, PROPER SUPPORT, WHETHER SHOWN ON THE DRAWINGS OR NOT. IF SUPPORTS ARE REQUIRED, CONTRACTOR SHALL SUBMIT DRAWINGS TO THE ARCHITECT FOR APPROVAL.

- B. PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTALLATION AND MAINTENANCE LITERATURE. COMPONENTS REQUIRING PERIODIC MAINTENANCE OR ADJUSTMENTS SHALL BE LOCATED OR INSTALLED AS TO PERMIT ACCESS WITHOUT DAMAGE TO STRUCTURE, FINISHES OR OTHER EQUIPMENT.
- C. ALL CONDUIT CONNECTING TO SWITCHGEAR, PANELS, MOTORS, AND OTHER EQUIPMENT SHALL BE INSTALLED WITHOUT STRAIN AT THE CONNECTIONS. THE CONTRACTOR MAY BE REQUIRED, AS DIRECTED, TO DISCONNECT CONDUITS TO DEMONSTRATE THAT THEY HAVE BEEN SO CONNECTED.

12. DEMOLITION

A. ALL EXISTING EQUIPMENT, NOT INDICATED TO BE INCORPORATED INTO THE NEW SYSTEM SHALL BE DISCONNECTED BY THIS CONTRACTOR FOR REMOVAL BY OTHERS FROM THE JOB SITE. CARE SHALL BE USED SO THAT NO DAMAGE IS DONE TO EXISTING BUILDING, PIPING, DUCTWORK, AND/OR ELECTRICAL EQUIPMENT. ANY DAMAGE ATTRIBUTED TO THIS CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THIS CONTRACTOR.

13. CUTTING AND PATCHING

A. ALL CUTTING THAT MAY BE NECESSARY FOR THE INSTALLATION OF THE WORK OR ANY REQUIRED PATCHING THAT RESULTS THEREFROM SHALL BE DONE BY THE PROPER TRADE INVOLVED AND SHALL BE INCLUDED AS PART OF THIS CONTRACT. PATCH TO DUPLICATE UNDISTURBED ADJACENT FINISHES, COLORS, TEXTURES AND PROFILES. COLUMNS, BEAMS, GIRDERS OR JOISTS SHALL NOT BE CUT.

B. ALL WORK AFFECTING ROOF OR STRUCTURES SHALL BE PERFORMED BY LANDLORD'S CONTRACTOR AT TENANT'S EXPENSE

14. CLEANING

A. COMPLETION AS IT PERTAINS TO THE CONTRACT COMPLETION DATE IS DEFINED AS THE DAY THE PROJECT IS THOROUGHLY CLEANED AND READY FOR THE OWNER TO TAKE POSSESSION. ALL FIXTURES, MOTORS, EQUIPMENT AND ALL OTHER ELECTRICAL EQUIPMENT FURNISHED OR INSTALLED BY THE CONTRACTOR SHALL BE THOROUGHLY CLEANED.

15. TESTS

A. PROVIDE THE TESTS AS OUTLINED HEREINAFTER AND OTHER TESTS NECESSARY TO ESTABLISH THE ADEQUACY, QUALITY, SAFETY, COMPLETED STATUS AND SUITABLE OPERATION OF EACH SYSTEM. CORRECT PROMPTLY ANY FAILURE OR DEFECTS REVEALED BY THESE TESTS AND RECONDUCT TEST ON THE CORRECTED ITEMS.

B. TEST THE GROUNDS WITH A GROUND RESISTANCE DIRECT READING SINGLE-TEST MEGGER.

C. INSULATION RESISTANCE BETWEEN PHASE CONDUCTORS AND GROUND NOT LESS THAN 1,000,000 OHMS

D. THE PANELBOARDS SHALL HAVE PHASE CURRENTS BALANCED TO WITHIN +/- 10% VARIATION BETWEEN AVERAGE PHASE CURRENT AND MEASURE INDIVIDUAL PHASE.

E. AN OPERATIONAL TEST OF THE EMERGENCY LIGHTS AND THE EXIT LIGHTS SHALL BE PERFORMED FOR THE OWNER TO DEMONSTRATE CONFORMANCE TO THE SPECIFICATIONS.

16. TEMPORARY ELECTRICAL SERVICE

A. TEMPORARY ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH THE BUILDING CODE. TEMPORARY LIGHTING SHALL BE PROVIDED BY A LAMP LOCATED FOR EVERY 625 SQUARE FEET OF BUILDING AREA WITH A MINIMUM OF ONE PER ROOM. THE LAMP TO BE 100 WATT AND SHALL BE MAINTAINED BY THE GENERAL CONTRACTOR.

B. TEMPORARY POWER DISTRIBUTION SHALL BE SUFFICIENT TO ACCOMMODATE THE TEMPORARY LIGHTING AND CONSTRUCTION OPERATIONS, INCLUDING THE USE OF POWER TOOLS (BUT NOT INCLUDING HEAVY-DUTY ELECTRICAL WELDING UNITS), ELECTRICAL HEATING UNITS, AND START-UP OF SPECIFIED BUILDING EQUIPMENT WHICH IS TO BE TESTED, STARTED OR PLACED INTO OUR USE PRIOR TO COMPLETION OF ITS PERMANENT POWER CONNECTIONS.

17. EXCAVATION AND BACKFILL

A. CONTRACTOR SHALL DO ALL EXCAVATION REQUIRED AS SHOWN ON PLANS OR REQUIRED FOR PROPER OPERATION. EXCESS EXCAVATION BELOW THE REQUIRED LEVEL SHALL BE BACKFILLED WITH EARTH AND THOROUGHLY TAMPED. UTILITY SERVICES, SHALL BE INSPECTED AND APPROVED BY THE PROPER INSPECTION AUTHORITY BEFORE BACKFILLING.

18. WEATHERPROOFING

A. CONTRACTOR SHALL ENSURE ALL PENETRATIONS THROUGH EXTERIOR ENVELOPE ARE COMPLETELY SEALED AGAINST ALL AIR AND WATER INFILTRATION.

SECTION 16100
ELECTRICAL SPECIAL CONDITIONS1. RELATED DOCUMENTS

A. APPLICABLE PROVISIONS OF AIA DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AND DIVISION 16 GENERAL CONDITIONS AND SECTION 16100 ELECTRICAL SPECIAL CONDITIONS GOVERN WORK UNDER THIS SECTION.

B. REFER TO SECTION 16100 ELECTRICAL SPECIAL CONDITIONS REGARDING REGULATIONS AND REQUIREMENTS AFFECTING ALL WORK DESCRIBED IN THIS SECTION

2. POWER SERVICE

A. POWER SERVICE FOR THIS PROJECT SHALL BE PROVIDED FROM THE UTILITY CO. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TO INSURE THAT ALL WORK AND MATERIALS ARE IN CONFORMANCE WITH THE UTILITY CO'S REQUIREMENTS.

3. NAMEPLATES

A. ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, PANELBOARDS, DISCONNECTS TRANSFORMERS, CONTROLS, ETC. SHALL BE IDENTIFIED WITH THREE PLY LAMINATED PLASTIC. THE OUTSIDE LAMINATIONS SHALL BE BLACK ENGRAVING SHALL EXTEND THROUGH THE FRONT LAMINATION SO THAT THE BLACK LETTERS APPEAR ON A WHITE BACKGROUND. NAMEPLATES SHALL BE PERMANENTLY ATTACHED WITH SCREWS.

B. CIRCUIT DIRECTORY SHALL BE TYPEWRITTEN (HANDWRITTEN IS NOT ACCEPTABLE) AND SHALL IDENTIFY CIRCUIT AS TO TYPE AND LOCATION AS FOLLOWS:

"LTG" - FOR LIGHTING CIRCUIT FOLLOWED BY AREA IN WHICH CIRCUIT APPEARS, I.E., "STOCKROOM "CASH WRAP", ETC

"RECEPT" - FOR RECEPTACLE CIRCUIT FOLLOWED BY AREA IN WHICH RECEPTACLE APPEARS, "STOREFRONT", "CASH REGISTER", ETC

"MOTOR" - FOR MOTOR FOLLOWED BY THE EQUIPMENT IDENTIFICATION AND AREA IN WHICH MOTOR IS LOCATED, I.E. "EXH FAN TOILET", "AHU-ROOF", ETC.

4. CONDUIT

A. CONDUIT SHALL BE STANDARD STEEL, RIGID IMC OR EMT (THIN WALL). CONDUIT SHALL BE CONCEALED IN FINISHED AREAS, EXCEPT AS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE. INDOOR EMT CONNECTIONS SHALL BE SET SCREW TYPE FITTING WHERE ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION. EXTERIOR EMT CONNECTIONS SHALL BE COMPRESSION TYPE.

B. MINIMUM SIZES OF CONDUIT SHALL BE 3/4" EXCEPT 1/2" FOR SWITCH LEGS. EMT SHALL BE GALVANIZED OR ELECTROLYTICALLY GALVANIZED. EMT SHALL BE USED FOR FEEDERS AND BRANCH CIRCUIT RUN ABOVE SUSPENDED CEILINGS OR CONCEALED IN INTERIOR PARTITIONS. EMT SHALL NOT BE CONCEALED IN POURED CONCRETE FLOOR OR WALLS.

C. USE HEAVY WALL CONDUIT OR PVC FOR UNDER SLAB INSTALLATIONS.

D. THE USE OF NONMETALLIC-SHEATHED CABLE, TYPE NM, IS NOT ACCEPTABLE.

1. THE USE OF METAL CLAD CABLES, TYPE MC, IS ACCEPTABLE WHERE APPROVED BY THE LOCAL AHJ. ALL BRANCH CIRCUIT HOME RUNS TO PANELBOARDS AND DEDICATED BRANCH CIRCUITS SHALL BE IN EMT.

2. ALL METAL CLAD CABLES SHALL BE PROVIDED WITH A GROUND WIRE INDIVIDUAL LENGTHS OF METAL-CLAD CABLE (MC) AND ARMORED CABLE (AC) MUST NOT EXCEED SIX FEET IN LENGTH. (LOCAL AMENDMENT)

E. ALL OPENINGS IN FIRE AND SMOKE WALLS, PARTITIONS, FLOORS AND OTHER SIMILAR PENETRATIONS FOR ELECTRICAL CONDUITS, CABLE OR EQUIPMENT, WHETHER CUT OR IN PLACE, SHALL BE CLOSED WITH A UL APPROVED FIRE RESISTANT SILICONE FOAM SEALANT TO MAINTAIN THE FULL RATING AND INTEGRITY OF THE PARTITIONS, WALLS OR FLOOR.

F. CONDUIT BENDS FOR POWER AND LIGHTING CIRCUITS SHALL NOT BE LESS THAN STANDARD RADIUS BENDS. CONDUIT BENDS FOR FEEDERS, TELEPHONE AND COMMUNICATION CIRCUITS SHALL NOT BE LESS THAN RADIUS BENDS.

G. O-Z TYPE DX, TX, OR AX CONDUIT EXPANSION DEFLECTION FITTINGS ARE REQUIRED IN ALL CONDUIT RUNS WHERE MOVEMENT MAY BE ENCOUNTERED. ALL EMT COUPLINGS SHALL BE COMPRESSION TYPE.

H. EXPOSED CONDUIT SHALL BE SECURELY SUPPORTED IN PLACE PER CODE BUT ON A MAXIMUM OF 10 FOOT INTERVALS, WITHIN THREE FEET OF EACH BEND, AT EVERY OUTLET OR JUNCTION BOX AND AT THE END OF EACH STRAIGHT-RUN TERMINATING AT A BOX OR CABINET. CONDUIT SHALL NOT BE SUPPORTED FROM DUCTWORK OR PIPE WORK. CONDUITS SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO THE BUILDING GENERALLY. CONDUIT SHALL BE RUN IN CONTACT WITH STRUCTURAL PARTS OF THE BUILDING SO AS TO AVOID SUSPENDED LENGTHS OF CONDUIT. CONDUIT SHALL BE INSTALLED AS TO BE ACCESSIBLE FOR REPLACEMENT AND MAINTENANCE AND GENERALLY CONDUIT SHALL BE INSTALLED TO PERMIT DRAINAGE.

4. WIRE AND CABLE

A. ALL WIRE AND CABLE SHALL BE COPPER AND RUN IN CONDUIT. ALL WIRE AND CABLE FEEDERS AND BRANCH CIRCUITS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE CURRENT EDITION OF THE N.E.C. AND SHALL MEET ALL ASTM SPECIFICATIONS. WIRE AND CABLE SHALL BE NEW, SHALL HAVE SIZE GRADE OF INSULATION VOLTAGE AND MANUFACTURERS NAME PERMANENTLY MARKED ON OUTER COVERING AT REGULAR INTERVAL AND SHALL BE DELIVERED IN COMPLETE COILS OR REELS WITH IDENTIFYING SIZE AND INSULATION TAGS.

B. THE ELECTRICAL CONTRACTOR SHALL CALCULATE VOLTAGE DROP ON CONDUCTORS WITH LENGTHS GREATER THAN 75 FEET FROM THE PANELBOARD AND PROPERLY SIZE THE CONDUCTORS PER N.E.C.

C. POWER CONDUCTORS: NO WIRE LESS THAN NO. 12 SHALL BE USED EXCEPT FOR CONTROL CIRCUITS OR LOW VOLTAGE WIRING. WIRE SIZES NO. 12 TO NO. 10 SHALL BE SOLID EXCEPT WHERE OTHERWISE INDICATED. WIRE SIZES NO. 8 AND LARGER SHALL BE STRANDED. ALL WIRE SIZES SHOWN ARE AMERICAN WIRE GAUGE SIZES. SIZES NO. 12 AWG THROUGH NO. 8 AWG SHALL BE "THHN." SIZE 4 AWG AND LARGER SHALL BE "THW."

D. CONTINUITY: ALL WIRES SHALL BE CONTINUOUS FROM OUTLET TO OUTLET.

E. ACCEPTABLE MANUFACTURERS: CABLE AND WIRE SHALL BE STANDARD TYPE AS MANUFACTURED BY GENERAL CABLE COMPANY, CAROL, ANACONDA, ROM OR ITT ROYAL.

6. COLOR CODING

A. A COLOR CODING SYSTEM AS LISTED BELOW SHALL BE FOLLOWED THROUGHOUT FOR FEEDERS AND BRANCH CIRCUITS AND USED AS A BASIS FOR BALANCING LOAD.

-120/208V: PHASE A--BLACK, PHASE B--RED, PHASE C--BLUE, NEUTRAL--WHITE, GROUND--GREEN
-277/480V: PHASE A--BROWN, PHASE B--ORANGE, PHASE C--YELLOW, NEUTRAL--GRAY, GROUND--GREEN

7. BOXES AND FITTINGS

A. ALL OUTLETS SHALL BE PROVIDED WITH GALVANIZED OR SHERARDIZED BOXES SUITABLE IN DESIGN TO THE SPACE THEY OCCUPY AND THE PURPOSE THEY SERVE. WALL MOUNTED OUTLET BOXES, EXCEPT FOR 2" PARTITIONS SHALL BE AT LEAST 1 1/2" DEEP AND/OR DEEPER IF REQUIRED BY THE DEVICE THEY HOLD OR THE NATIONAL ELECTRICAL CODE.

B. ALL PULLBOXES SHALL BE MADE OF GALVANIZED STEEL, OF METAL GAUGE AND PHYSICAL SIZE AS REQUIRED BY THE N.E.C. FOR THE NUMBER AND SIZE OF RACEWAYS AND CONDUCTORS INVOLVED.

C. FIXTURE OUTLET BOXES IN OR ON CEILINGS SHALL NOT BE LESS THAN 1-1/2" DEEP OR LESS THAN 4" SQUARE, ALL OUTLET BOXES INTENDED TO SUPPORT FIXTURES SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS FASTENED THROUGH THE BOTTOM OF THE BOX WITH FOUR BOLTS

8. CIRCUIT BREAKER PANELBOARDS

A. PANELS SHALL BE DEAD FRONT, SAFETY TYPE, FURNISHED WITH BRANCH CIRCUIT PROTECTING DEVICES, EQUIPMENT GROUNDING BOX, MAIN BUS AND CABLE LUGS FACTORY ASSEMBLED, WITH ALL COMPONENTS IN PLACE, READY FOR INSTALLATION.

B. CURRENT CARRYING CONTACT SURFACES SHALL BE COPPER. THE CIRCUIT BREAKERS SHALL BE OF THE MOLDED CASE PLUG-IN TYPE SUITABLE FOR VOLTAGE AND AMPERE RATINGS INDICATED ON DRAWINGS AND IN SCHEDULES AND SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 22,000 AMPERES FOR 120/208V AND 25,000 AMPERES AT 277/480V.

D. CABINET SIZES ARE BASED UPON A 20" WIDE BY 6" DEEP PANEL UNLESS OTHERWISE NOTED. PANELBOARDS SHALL BE EQUIPPED WITH FLUSH TYPE LOCK AND CATCH. ALL LOCKS SHALL BE KEYS ALIKE, AND TWO KEYS ARE TO BE SUPPLIED WITH EACH LOCK.

E. BREAKERS SERVING LIGHTING CIRCUITS SHALL BE RATED FOR SWITCH DUTY.

F. BREAKERS SERVING COOLER, FREEZER AND HVAC EQUIPMENT SHALL BE HACR RATED.

G. ALL LUGS SHALL BE OF THE SOLDERLESS TYPE AND RATED AT A MINIMUM OF 75 DEGREES.

H. PROVIDE PANEL DIRECTORY, TYPED AND INSTALLED BEHIND CLEAR PLASTIC COVER ON INSIDE OF THE DOOR.

I. PANELBOARDS TO BE BY SQUARE D, ABB, SIEMENS OR EATON.

9. TRANSFORMERS

A. DRY-TYPE TRANSFORMERS (DOE 2016) SHALL BE OF THE ENCLOSED VENTILATED TYPE WITH KVA AND VOLTAGE RATING AS CALLED FOR ON THE DRAWINGS AND WITH 150" CLASS H INSULATION AND MINIMUM OF SIX STANDARD FULL CAPACITY TAPS. SOUND LEVEL SHALL BE LOW AND INSTALLATION SHALL INCLUDE KORRULD OR EQUAL VIBRATION DAMPENING MOUNTS AND FLEXIBLE STEEL CONDUIT FOR PRIMARY AND SECONDARY, (MOUNT TRANSFORMER ON VIBRATION ISOLATORS), LOCATE TRANSFORMER AS NOT TO CAUSE SERVICING OR CLEARANCE DIFFICULTIES OF VIOLATIONS WITH OTHER EQUIPMENT.

B. COMPARABLE EQUIPMENT AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR EATON.

10. TOGGLE SWITCHES

A. TOGGLE SWITCHES SHALL BE WHITE AND SHALL BE RATED 20 AMPERES 120/277 VOLT AC TYPE AS MANUFACTURED BY HUBBELL AND SHALL BE AS FOLLOWS:
SINGLE POLE - 1221-W
THREE WAY - 1223-W

B. TOGGLE SWITCHES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR TO TOP OF MOUNTING PLATE AND, AT DOORS, INSTALLED ADJACENT TO THE TRIM ON THE STRIKING SIDE OF THE DOOR, REGARDLESS OF THE LOCATION INDICATED ON THE DRAWINGS; THEREFORE, CHECK ALL DOOR SWINGS BEFORE INSTALLATION OF CONDUIT OUTLETS.

C. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SLATER, LEVITON, AND BRYANT WILL BE ACCEPTABLE

11. RECEPTACLES

A. RECEPTACLES SHALL BE WHITE AS MANUFACTURED BY HUBBELL AND SHALL BE AS FOLLOWS:
DUPLEX RECEPTACLE - 20A-125 VOLT 5362-W GFCI DUPLEX RECEPTACLE - 20A-125 VOLT GF5362-W

B. RECEPTACLES SHALL BE MOUNTED 18" ABOVE THE FINISHED FLOOR TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.

C. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SIERRA ELECTRIC CORPORATION, SLATER, BRYANT AND LEVITON WILL BE ACCEPTABLE.

12. DEVICE PLATES

A. DEVICE PLATES SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED. COMPARABLE EQUIPMENT AS MANUFACTURED BY COOPER WIRING, SIERRA ELECTRIC CORPORATION, HARVEY HUBBLE INC., BRYANT AND LEVITON WILL BE ACCEPTABLE. PAINT MATCH ADJACENT FINISH COLOR.

13. DISCONNECT SWITCHES

A. FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY CODE. DISCONNECT SWITCHES SHALL BE NEUMA HEAVY DUTY TYPE WITH CIRCUIT BREAKERS LABORATORIES LISTED, MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, EATON OR SIEMENS

14. FUSES

A. PROVIDE CARTRIDGE FUSES RATED FOR 250 V AC AND 600 V AC AND LESS FOR USE AS SPECIFIED HEREIN.

B. COORDINATE FUSE RATINGS WITH UTILIZATION EQUIPMENT NAMEPLATE LIMITATIONS OF MAXIMUM FUSE SIZE AND WITH SYSTEM SHORT-CIRCUIT CURRENT LEVELS.

C. CARTRIDGE FUSE APPLICATIONS.

1. FEEDERS, UP TO AND INCLUDING 600 AMPS: CLASS RK1, BUSSMANN LPN-RK-SP FOR 250 VOLTS, BUSSMANN LPS-RK-SP FOR 600 VOLTS
2. FEEDERS, FROM 601 AMPS TO 4,000 AMPS: CLASS RK1, BUSSMANN KRP-C FOR UP TO 600 VOLTS, BUSSMANN

BASIS OF DESIGN FOR FUSES SHALL BE BUSSMANN. ADDITIONAL ACCEPTABLE MANUFACTURERS FOR SPECIFIED FUSES SHALL BE LITTLE FUSE AND MERSEN

15. GROUNDING

A. CONTRACTOR SHALL INSTALL GROUNDING PER N.E.C. ARTICLE 250 EQUIPMENT GROUNDING SHALL USE ONLY APPROVED GROUNDING CLAMPS AND CONNECTORS AS MANUFACTURED BY PENN-INCO, BURNDY, OR O-Z COMPANY.

B. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250 AND THE UTILITY COMPANY REGULATIONS. CONTRACTOR SHALL CONNECT THE GROUNDING ELECTRODE CONDUCTORS TO THE NEUTRAL BAR INSIDE THE MAIN PANEL.

C. THE EQUIPMENT GROUNDING SYSTEM SHALL CONSIST OF A CONTINUOUS CONDUIT INSTALLATION AND

- A. ANGLES TO THE BUILDING GENERALLY. CONDUIT SHALL BE RUN IN CONTACT WITH STRUCTURAL PARTS OF THE BUILDING SO AS TO AVOID SUSPENDED LENGTHS OF CONDUIT. CONDUIT SHALL BE INSTALLED AS TO BE ACCESSIBLE FOR REPLACEMENT AND MAINTENANCE AND GENERALLY CONDUIT SHALL BE INSTALLED TO PERMIT DRAINAGE.
16. LIGHTING FIXTURES

A. ALL LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL INSTALL LIGHTING FIXTURES AND LAMPS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED BELOW, COMPLETE WITH HANGERS, PLASTER FRAMES AND ALL OTHER NECESSARY ACCESSORIES.

B. LED LUMINAIRES

1. LED FIXTURES SHALL COMPLY WITH IES LM-79-08 APPROVED METHOD FOR MEASURING LUMEN MAINTENANCE OF LED LIGHT SOURCES, COMPLY WITH IES LM-80-08 APPROVED FOR ELECTRICAL PHOTOMETRIC MEASUREMENT OF SSL PRODUCT, COMPLY WITH IN-SITU TESTING FOR MORE RELIABLE RESULTS.

2. LED'S SHALL BE RESTRICTED OF HAZARDOUS SUBSTANCES DIRECTIVE (ROHS) COMPLIANT.

3. LED ARRAYS SHALL BE SEALED, HIGH PERFORMANCE, LONG LIFE TYPE; MINIMUM 70% RATED OUTPUT AT 50,000 HOURS.

4. LUMINAIRES SHALL BE FULLY ACCESSIBLE FROM BELOW CEILING PLANE FOR CHANGING DRIVERS, POWER SUPPLIES AND ARRAYS.

5. DRIVERS SHALL BE SOLID STATE AND ACCEPT 120 THROUGH 277 VAC AT 60 HZ INPUT.

6. THE LED LIGHT SOURCE SHALL BE FULLY DIMMABLE WITH USE OF COMPATIBLE DIMMERS SWITCH DESIGNATED FOR LOW VOLTAGE LOADS.

7. LED COLOR TEMPERATURES: SHALL BE AS NOTED ON DRAWING.

8. LUMINAIRES SHALL HAVE INTERNAL THERMAL PROTECTION.

9. INDOOR LUMINAIRES SHALL HAVE A MINIMUM CRI OF 85.
17. LED POWER SUPPLIES AND DRIVERS

1. SHALL HAVE A POWER FACTOR: 0.90 OR HIGHER.
18. CONTROLLER AND CONTROL SYSTEMS

1. THE CONTRACTOR SHALL ENSURE THAT EXTERNAL CONTROL EQUIPMENT IS COMPATIBLE WITH LED CONTROL REQUIREMENTS.

2. PROVIDE CONNECTOR TYPES AND WIRING AS APPROPRIATE FOR UN-INTERRUPTED COMMUNICATION BETWEEN DEVICES, CONSIDERING DISTANCE MAXIMUMS, FIELD OBSTRUCTIONS, AND ACCESSIBILITY.

3. ENSURE THAT CONNECTION POINTS ARE OPTICALLY ISOLATED FOR SYSTEM NOISE REDUCTION, FOR CONTROL COMPONENTS THAT ARE PART OF THE OVERALL AREA CONTROL SYSTEM. SEE DIMMING CONTROLS SPECIFICATIONS. COMPATIBILITY: CERTIFIED BY MANUFACTURER FOR USE WITH INDIVIDUALLY SPECIFIED LUMINAIRE AND INDIVIDUALLY SPECIFIED POWER SUPPLIES AND/OR DRIVERS.

E. THIS CONTRACTOR SHALL VERIFY THE FINAL CEILING AND FINISH SCHEDULE TO INSURE THE PROPER INSTALLATION AND MOUNTING OF FIXTURES AND SHALL COORDINATE BEFORE MAKING SUBMITTALS.
17. LIGHTING CONTROLS

A. TIME SWITCHES SHALL BE 24 HOUR, 7 DAY, DAY SKIPPER 365 DAYS AND HOLIDAYS TYPE EQUAL TO INTERMATIC ET2825C TIME SWITCH. CONTRACTOR SHALL BE SQUARE D LXX-xx IN NEMA 1 ENCLOSURE.

B. PANEL #GR1408LTCNC-XMNE1-GR1408-DTCMOD WITH 8 RELAYS AND BUILT-IN TIME CLOCK AND AS MANUFACTURED BY LCB.
18. TELEPHONE SERVICE

A. THIS CONTRACTOR SHALL INSTALL A TELEPHONE SERVICE CONDUIT AS SHOWN ON THE DRAWINGS AND FURNISH AND INSTALL (1) 3" x 4" x 3/4" PLYWOOD PANEL MOUNTED ON THE WALL AT LOCATION SHOWN ON PLANS.
19. SURFACE METAL RACEWAY

A. SURFACE METAL RACEWAY SHALL BE TWO PIECE #2100 AS MANUFACTURED BY WIREMOLD. ALL NECESSARY ACCESSORIES REQUIRED TO FIT THE CONFIGURATION SHOWN SHALL BE PROVIDED. RECEPTACLES SHALL BE 120 VAC, 23 AFMS, CATALOG NUMBER #2127GT
20. ARC FLASH HAZARD STUDY

A. PROVIDE A COMPUTER-BASED, ARC-FLASH HAZARD STUDY TO DETERMINE THE ARC-FLASH HAZARD DISTANCE AND THE INCIDENT ENERGY TO WHICH PERSONNEL COULD BE EXPOSED DURING WORK ON OR NEAR EXISTING AND NEW ELECTRICAL EQUIPMENT.

B. ELECTRICAL SURVEY DATA: GATHER AND TABULATE ALL REQUIRED INPUT DATA TO SUPPORT STUDY. COMPLY WITH RECOMMENDATIONS IN IEEE 1584 AND NFPA 70E AS TO THE AMOUNT OF DETAIL THAT IS REQUIRED TO BE ACQUIRED IN THE FIELD.

C. FOR NEW EQUIPMENT, USE CHARACTERISTICS SUBMITTED UNDER THE PROVISIONS OF ACTION SUBMITTALS AND INFORMATION SUBMITTALS FOR THIS PROJECT.

D. FOR EXISTING EQUIPMENT, WHETHER OR NOT RELOCATED, OBTAIN REQUIRED ELECTRICAL DISTRIBUTION SYSTEM DATA BY FIELD INVESTIGATION AND SURVEYS, CONDUCTED BY QUALIFIED TECHNICIANS AND ENGINEERS.

E. HAZARD LABELS SHALL HAVE AN ORANGE HEADER WITH THE WORDING, "WARNING, ARC-FLASH HAZARD, " AND SHALL INCLUDE THE FOLLOWING INFORMATION TAKEN DIRECTLY FROM THE ARC-FLASH HAZARD ANALYSIS:
1. LOCATION DESIGNATION
2. NOMINAL VOLTAGE
3. FLASH PROTECTION BOUNDARY.
4. HAZARD RISK CATEGORY.
5. INCIDENT ENERGY
6. WORKING DISTANCE
7. ENGINEERING REPORT NUM1BER, REVISION NUMBER, AND ISSUE DATE.

F. ARC FLASH HAZARD WARNING LABELS SHALL BE A 3.5-BY-5-INCH THERMAL TRANSFER LABEL OF HIGH-ADHESION POLYESTER FOR EACH WORK LOCATION INCLUDED IN THE ANALYSIS.

G. LABELS SHALL BE MACHINE PRINTED, WITH NO FIELD-APPLIED MARKINGS.

GEEN INSULATED EQUIPMENT GROUNDING CONDUCTOR. THIS GROUNDING CONDUCTOR SHALL BE INSTALLED IN EVERY CONDUIT OR RACEWAY WITH THE FEEDER OR BRANCH CIRCUIT CONDUCTORS. THIS GROUNDING SHALL BE EXTENDED FROM THE HOUSING OF EVERY ELECTRICAL LOAD THROUGH PANELBOARD STATIC GROUNDING BUSES. TO THE STATIC GROUNDING BUS IN THE MAIN PANEL. THE GROUNDING BUS SHALL BE BONDED TO THE GROUNDING NEUTRAL BAR INSIDE THE MAIN PANEL

DEFERED APPROVAL

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REV	REV DESCRIPTION	DATE
-	ISSUE FOR PERMIT	07/09/2025

STEFANORA VALINK
REGISTERED
No. 12400861
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PROFESSIONAL ENGINEER

EXP: 07/31/2026
SIGNED: 07/10/2025
Jimmy Johns

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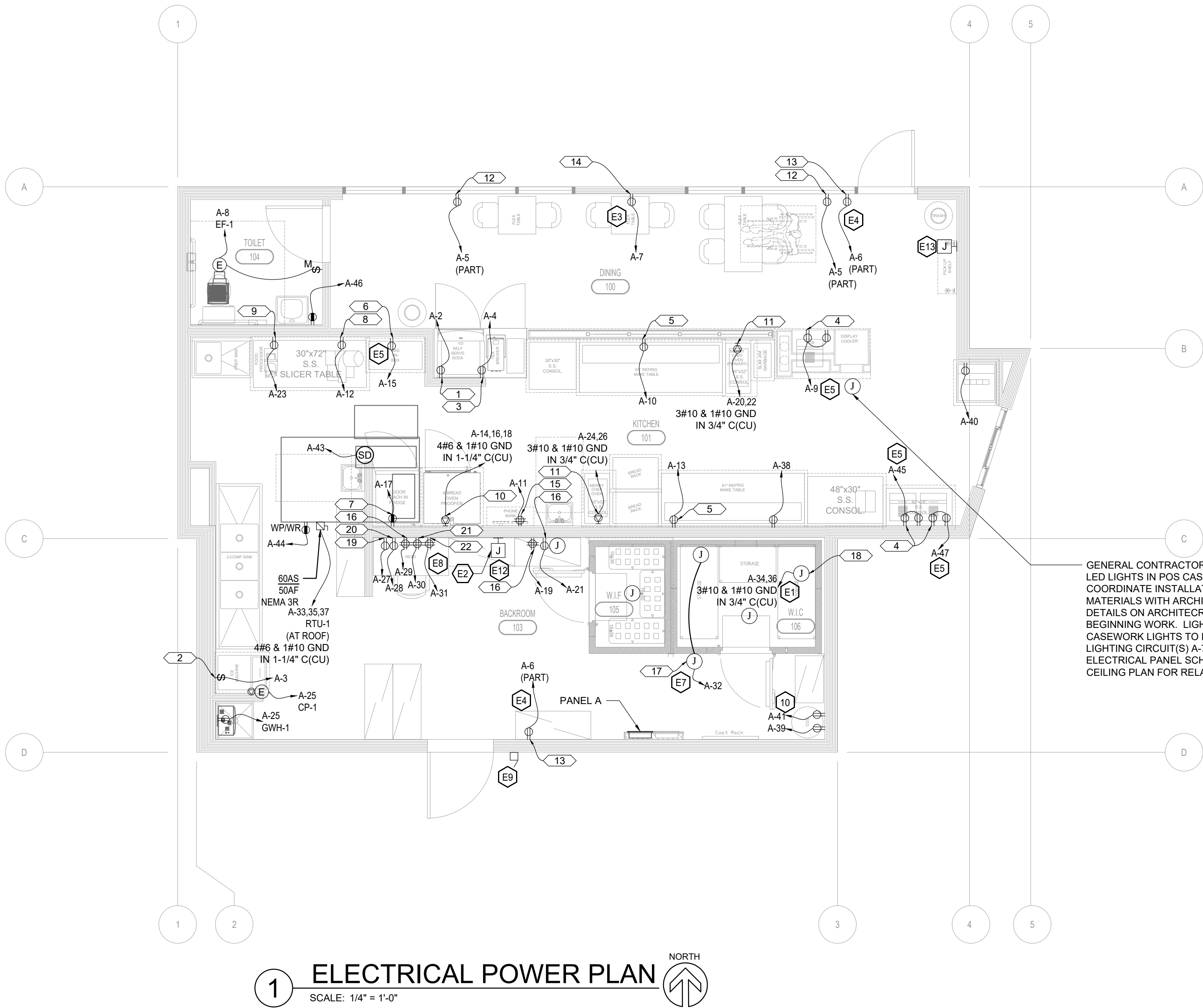
SHEET NAME:

ELECTRICAL
SPECIFICATION

SHEET NUMBER:

JJE1.1

FIRE ALARM SHALL BE DESIGNED AND SUBMITTED BY CONTRACTOR. OBTAIN
APPROVAL FROM AUTHORITY HAVING JURISDICTION AND LOCAL FIRE
DEPARTMENT PRIOR TO INSTALLATION.



EQUIPMENT POWER SCHEDULE				
TAG	DESCRIPTION	VOLTAGE PHASE	CONNECTION	MOUNTING HEIGHT
1	SODA DISPENSER	120V	DUPLEX RECEPTACLE	44" AFF
2	ICE MAKER	120V	DUPLEX RECEPTACLE	84" AFF
3	TEA BREWER	120V	DUPLEX RECEPTACLE	40" AFF
4	POS	120V	GFCI RECEPTACLE	IN CASEWORK
5	PREP-TABLE	120V	GFCI RECEPTACLE	12" AFF
6	BAG IN BOX	120V	DUPLEX RECEPTACLE	81" AFF
7	REACH-IN-FREEZER	120V	GFCI RECEPTACLE	12" AFF
8	HEAVY DUTY SLICER	120V	DUPLEX RECEPTACLE	44" AFF
9	FOOD PROCESSOR	120V	DUPLEX RECEPTACLE	44" AFF
10	4 BREAD OVEN/PROOFER	208V/3P	GFCI RECEPTACLE	18" AFF
11	OVEN PROOFER	208V/3P	GFCI RECEPTACLE	18" AFF
12	SHOW WINDOW RECEPT	120V	DUPLEX RECEPTACLE	124" AFF
13	INTERIOR SIGNAGE	120V	DUPLEX RECEPTACLE	60" AFF
14	DINING RECEPTACLES	120V	DUPLEX RECEPTACLE	24" AFF
15	PHONE BANK	120V	DUPLEX RECEPTACLE	63 1/2" AFF
16	RECEPTACLE STORAGE	120V	DUPLEX RECEPTACLE	12" AFF
17	RECEPTACLE	120V	DUPLEX RECEPTACLE	24" AFF
18	WALKIN COOLER/FREEZER	120V	DUPLEX RECEPTACLE	VERIFY
19	FAX MACHINE PRINTER	120V	DUPLEX RECEPTACLE	44" AFF
20	MANAGER COMPUTER	120V	DUPLEX RECEPTACLE	VERIFY
21	DATA RACK	120V	DUPLEX RECEPTACLE	VERIFY
22	MANAGERS OFFICE	120V	DUPLEX RECEPTACLE	18" AFF

NOTES BY SYMBOL	
KEY VALUE	KEYNOTE TEXT
E1	COOLER/FREEZER EVAPORATOR FED FROM ABOVE. COORDINATE CONNECTION TO LIGHT AND DOOR HEATER AND ALL OTHER REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
E2	TELEPHONE CABINET W/ 3/4" PLYWOOD MOUNTING BOARD. HOFFMAN #ACT36246F OR EQUAL. MOUNT TOP ABOVE CEILING. PROVIDE 60A GROUND BAR W/ 1#6 GND IN 1/2" EMT TO SERVICE GROUND. PROVIDE ONE QUAD ISOLATED GROUND RECEPTACLE W/ 120V SOURCE FROM PANEL A. PROVIDE 2" PVC CONDUIT ABOVE CEILING FOR USE BY TELEPHONE COMPANY. CONFIRM & COORDINATE REQUIREMENTS.
E3	PASS & SEYMOUR #TR5382USBBK RECEPTACLE MOUNTED FOR CUSTOMER USE.
E4	PROVIDE RECEPTACLE FOR INTERIOR SIGNAGE. COORDINATE REQUIREMENTS WITH SIGN VENDOR AND HEIGHT WITH ARCH. ELEVATIONS.
E5	POWER AND DATA FOR POS. COORDINATE ALL REQUIREMENTS WITH POS VENDOR PRIOR TO ROUGH-IN. REFER TO DETAIL A ON SHEET E400.
E6	WH. RECIRCULATION PUMP & WATER SOFTNERS SHALL BE PROVIDED BY OTHER W/ CORDS THAT HAVE NEMA 5-15P PLUGS. COORDINATE LOCATION OF RECEPTACLES.
E7	FOR PANIC BUTTONS IN COOLERS, CONDUIT SHALL BE RAN INSIDE COOLER WALL TO JUNCTION BOX FOR PANIC ALARM. FIRE ALARM CONTRACTOR SHALL PROVIDE THE PANIC ALARM AND THE WIRING TO THE ALARM DATA RACK. COORDINATE REQUIREMENTS WITH A/V VENDOR AND ARCH. ELEVATION.
E9	PROVIDE NSI PART #76080PS, OR EQUAL FLUSH INDUSTRIAL WEATHERPROOF PUSH-BUTTON FOR DOOR BELL AT 42". SEE KEY NOTE 15.
E10	JUNCTION BOX ABOVE CEILING FOR DOOR BELL TRANSFORMER. TRANSFORMER TO BE EDWARDS #592. PROVIDED WITH EDWARDS #55-4G5 DOOR BELL. MAKE ALL CONNECTIONS AS REQUIRED.
E11	CO2 SENSOR/MONITOR. COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN WITH MECH CONTRACTOR AND SHEET M101.
E12	SECURITY KEYPAD. PROVIDE CONDUIT WITH NYLON PULL STRING TO SECURITY SYSTEM AT MANAGER'S DESK.
E13	PROVIDE 120V CONNECTION TO AIR CURTAIN. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
E14	PROVIDE NEW PANEL IN LOCATION SHOWN PER RISER DIAGRAM ON E201. PROVIDE NEW TIMECLOCK/CONTACTOR FOR COMPLIANCE WITH IECC AT OFFICE DESK IN KITCHEN COORDINATE EXAT LOCATION WITH ARCHITECT.
E15	JUNCTION BOX ABOVE CEILING FOR DOOR BELL TRANSFORMER. TRANSFORMER TO BE EDWARDS #592. PROVIDED WITH EDWARDS #55-4G5 DOOR BELL. MAKE ALL CONNECTIONS AS REQUIRED.

GENERAL CONTRACTOR TO PROVIDE 3 STRIPS OF LED LIGHTS IN POS CASEWORK AT THIS LOCATION. COORDINATE INSTALLATION DETAILS AND MATERIALS WITH ARCHITECT AND CASEWORK DETAILS ON ARCHITECTURAL PLANS PRIOR TO BEGINNING WORK. LIGHTING CONTROL FOR THESE CASEWORK LIGHTS TO BE INCLUDED ON OVERHEAD LIGHTING CIRCUIT(S) A-7 AND A-13. SEE ELECTRICAL PANEL SCHEDULE AND REFLECTED CEILING PLAN FOR RELATED INFORMATION

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REV	REV DESCRIPTION	DATE
-	ISSUE FOR PERMIT	07/09/2025

STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER
No. 12400861
EXP: 07/31/2026
SIGNED: 07/10/2025

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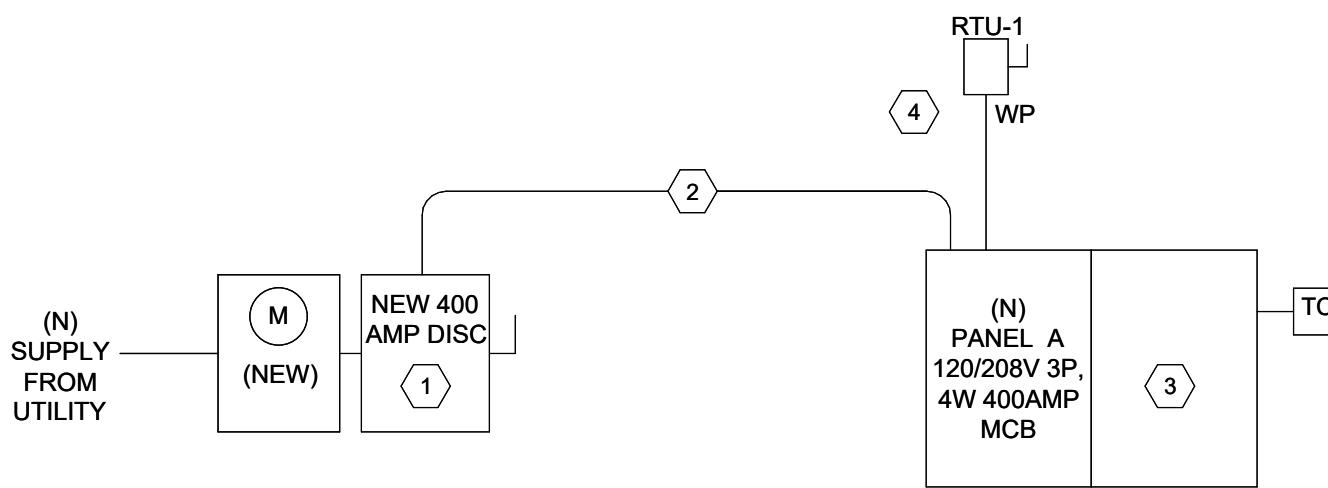
SHEET NAME:

ELECTRICAL
POWER PLAN

SHEET NUMBER:

JJE1.3

NAME:	JJ_BRAZIL																
TAG:	PANEL A																
LOAD	LOAD	A	B	C	Amps	No.	No.	Amps	A	B	C	LOAD	LOAD				
	TYPE											TYPE					
LIGHTING	L	890			20	1	2	20	500			EQ	1 SODA DISPENSER				
2 ICE MAKER	EQ		500		20	3	4	20		1700		EQ	3 TEA BREWER				
12 SHOW WINDOW RECEPT	EQ			1200	20	5	6	20			1000	EQ	13 INTERIOR SIGNAGE				
14 DINING RECEPTACLES	R	1000			20	7	8	20	24			EQ	EF-1				
4 POS	EQ		1000		20	9	10	20		500		EQ	5 PREP-TABLE				
15 PHONE BANK	EQ			360	20	11	12	20			500	EQ	9 FOOD PROCESSOR				
5 PREP-TABLE	EQ	500			20	13	14		4100			EQ					
6 BAG IN BOX	EQ		500		20	15	16	50		4100		EQ	10 4 BREAD OVEN/PROOFER				
7 REACH-IN FREEZER	EQ			360	20	17	18				4100	EQ					
16 RECEPTACLE STORAGE	R	360			20	19	20	20	500			EQ	11 OVEN PROOFER				
17 FACP	EQ		500		20	21	22			500		EQ					
8 HEAVY DUTY SLICER	EQ			500	20	23	24	20			500	EQ	11 OVEN PROOFER				
WH-1	HW	240			20	25	26		500			EQ					
19 FAX MACHINE PRINTER	EQ		500		20	27	28	20		500		R	20 MANAGER COMPUTER				
RECEPTACLE STORAGE	R			360	20	29	30	20			360	R	21 DATA RACK				
22 MANAGERS OFFICE	R	360			20	31	32	20	1000			R	23 RECEPTACLE				
RTU-1	H		4035			33	34			1920		EQ	18 WALK-IN COOLER/FREEZER				
	H			4035	50	35	36	25			1920	EQ					
	H	4035				37	38	20	500			EQ	5 PREP-TABLE				
CARBONATOR	EQ		400		20	39	40	20		180		EQ	CRINK DISPENSER				
CO2 SENSOR ALARM	EQ			200	20	41	42	20			2	L	EXTERIOR LIGHT CKT				
SMOKE DETECTOR	H	24			20	43	44	20	180			R	MAINTANENCE RECEPTACLE				
POS	R		500		20	45	46	20		180		R	104 TOILET REC.				
POS	R			500	20	47	48	20									
SPARE					20	49	50	20					SPARE				
SPARE					20	51	52	20					SPARE				
SPACE						53	54						SPACE				
SPACE						55	56						SPACE				
SPACE						57	58						SPACE				
SPACE						59	60						SPACE				
SUBTOTAL #1		7409	7935	7515					7304	9580	8382		SUBTOTAL #2				
SUBTOTAL #2		7304	9580	8382													
SUBTOTAL		14713	17515	15897													
TOTAL PANEL LOAD:		48.1	KVA	133.6	Amps	131.1	DEMAND Amps										
VOLTS:		120/208V		3ph		SCCR		REFER ELECTRICAL DATA SCHEDULE									
CONTINUOUS LOAD		12.131	KVA	125%	42.09	Amps											
NON CONTINUOUS LOAD		34.864	KVA	100%	96.78	Amps											
TOTAL CONNECTED LOAD		47.0	KVA		138.9	Amps											
TOTAL DEMAND LOAD		37.6	KVA	111.1	Amps												
MAINS:		400	AMCB														
MOUNTING:		SEE PLANS															
NOTES:																	
1. CONTRACTOR SHALL PROVIDE ADEQUATE WITHSTAND RATING OF EQUIPMENT PER AVAILABLE FAULT CURRENT FORM THE EXISTING UTILITY OR DISTRIBUTION. COORDINATE WITH UTILITY.																	
2. THE CONTRACTOR SHALL ADJUST CIRCUIT AS REQUIRED BASED ON FINAL EQUIPMENT TO MAINTAIN 10% LOADING BETWEEN PHASES																	
3. VERIFY ELECTRICAL REQUIREMENTS AND EQUIPMENT LOCATION PRIOR TO ROUGH-IN																	
4. L-LIGHT, K-KITCHEN, H-HVAC, R-RECEPTACLE, EQ-EQUIPMENT, HW-HOT WATER HEAT, M-MISCELLANEOUS, P-POWER																	
5. ALL FEEDERS SHOWN IN PANEL SCHEDULE ARE TO REFER CIRCUITS ON PLAN ONLY. EC SHALL UPDATE PER ACTUAL IN PANELCARD ON PANEL.																	



1 ONE LINE DIAGRAM
SCALE: N.T.S

ONE-LINE RISER NOTES

- ALL WIRING SHALL BE COPPER, SIZED FOR 75°C., USE THWN WIRE INSULATION.
- DUCT DETECTOR, ANSUL SOLENOID, EMERGENCY LIGHTING, POS AND OTHER EMERGENCY CIRCUITS SHALL HAVE LOCK-ON DEVICES.
- PROVIDE LOCK-ON BREAKERS FOR ALL NJ/EM AND SECURITY/PHONE LOCK CIRCUITS, DUCT DETECTORS, AND TIME CLOCK.
- ALL WIRING, INSULATION, ETC. IN AN ENCLOSED PLENUM SPACE SHALL BE PLENUM RATED.
- PROVIDE POWER FOR ANCILLARY ITEMS AS NEEDED FOR A COMPLETE INSTALL. SUCH AS DUCT DETECTORS, FLUSH VALVES AND FAUCET SENSORS AS NEEDED.
- WHERE CONTRACTORS ARE ADDING SUB-PANELS TO A PROJECT, THE SUB-SHALL BE SCCR RATED AT MINIMUM 22 KAIC AND SAME MANUFACTURER AS THE EXISTING PANEL(S) AND SHALL BE FEED FROM A SERIES RATED BREAKER. OTHERWISE SUB-PANELS SHALLBE FILLY RATED WITH SAME SCCR AS ORIGINATING PANEL.
- ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FAULT WITH UTILITY CO. PRIOR TO ORDERING GEAR AND ENERGIZING SERVICE AND SHALL LABEL GEAR WITH SCCR RATING AND AVAILABLE FAULT AT EACH PIECE OF EQUIPMENT AND DATE CALCULATIONS WERE MADE.
- PROVIDE ARCLASH HAZARD WARNING LABELS ON ALL GEAR AS REQUIRED BY N.E.C.
- DISCONNECTS SHALL BE RATED AT VOLTAGE OF EQUIPMENT SERVED. CONFIRM VOLTAGE AVAILABLE ON SITE PRIOR TO ORDERING EQUIPMENT.
- PROVIDE 36" CLEAR IN FRONT OF PANELS, MAINTAIN THAT CLEAR SPACE. LABEL PER NEC 110.26(A), (C), (C-2-1,B,C).
- PROVIDE MEANS OF IDENTIFYING CONDUCTORS PER NEC 200.6. USE STANDARD COLOR SCHEDULE FOR 208V CONDUCTORS.
- HVAC CIRCUIT BREAKERS SHALL BE "HACR" TYPE WHERE REQUIRED BY EQUIPMENT NAME PLATE PER N.E.C

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL METERING REQUIREMENTS WITH LANDLORD AND LOCAL UTILITY PRIOR TO BID.
- CONTRACTOR TO VERIFY EXACT DISTANCE AND ROUTING OF SERVICE FEEDERS FROM LANDLORD DISTRIBUTION/SERVICE ENTRANCE EQUIPMENT TO TENANT SPACE PRIOR TO BIDDING.
- RISER VOLTAGE SHOWN AS 240 DELTA 120v, 3PH, 4W ELECTRICAL DISTRIBUTION SYSTEM. NOTES ON EXISTING PANELS SAY 208Y/120V, BUT STILL SAY ORANGE RED HOT LEG. PANELS MDP, A, & B HAVE BEEN UPGRADED AND ARE NEWER DURING THIS RENOVATION THE SERVICE MAY HAVE BEEN UPGRADED TO 208Y/120V, 3PH, 4W, HOWEVER, ELECTRICAL CONTRACTOR TO VERIFY EXISTING VOLTAGE IN THE FIELD BEFORE ANY WORK IS PERFORMED.

NOTES BY SYMBOL

- NEW 400A/3F/W/P SERVICE ENTRANCE DISCONNECT SWITCH USE BUSSMANN LPS-RK-400SP FUSES OR EQUAL.
- NEW (2)SETS (4)#3/0 (1)#1/0G IN 2-1/2"C,
- NEW 400A 3PH,4W, 208Y 2-SECTION ELECTRICAL PANEL.
- NEW 60A NF/W/P DISCONNECT

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	KEC STOCK/ITEM #	MANUFACTURER'S CAT. NO.	TYPE LAMP	VOLTAGE	BALLAST TYPE	LENS	MOUNTING	MOUNTING HEIGHT	REMARKS
LR-J-003	2'X4' LED FLAT PANEL LAY-IN DIMMABLE	KSTCO - 1581	NUVO 65-572	50W LED	120	--	PMMA	RECESSED	CEILING	--
LE-J-003	2'X4' LED EMERGENCY FLAT PANEL - DIMMABLE	KSTCO-1582	NUVO 65-376	50W LED	120	--	PMMA	RECESSED	CEILING	COORDINATE EMERGENCY FIXTURES TO BE NIGHT LIGHTS (KEEP ON SEPARATE CIRCUIT FROM TYP. PREP LIGHTS)
LR-J-004	2'X2' LED FLAT PANEL LAY-IN-DIMMABLE	KSTCO-1541	NUVO 65-321	40W LED	120	--	PMMA	RECESSED	CEILING	--
LE-J-002	COMBO EXIT SIGN AND EMERGENCY LIGHT 3W WITH BATTERY BACK-UP	KLITE #2114	PHILIPS CHLORIDE # VLLCR	(2) 1W LED	3.6V	--	CLEAR ACRYLIC WIRED LETTERS	SURFACE	UNIVERSAL	--
LE-J-001	EMERGENCY LIGHTING 0.6W (120V) WITH BATTERY BACK-UP	KLITE #2112	PHILIPS CHLORIDE # VLLU	(2) 1W LED	3.6V	--	--	SURFACE	UNIVERSAL	--
LE-J-004	COMBO EXIT SIGN AND EMERGENCY LIGHT 3W WITH BATTERY BACK-UP WITH (1) 2W REMOTE CAPACITY	KLITE #2115	PHILIPS CHLORIDE # VLLCR2R	(2) 1W LED	3.6V	--	CLEAR ACRYLIC WIRED LETTERS	SURFACE	UNIVERSAL	--
LR-J-001	RECESSED LED DOWNLIGHT WITH 5" ROUND LENSED	--	PHILIPS LIGHTOLIER LYTECASTER LED 5", ROUND LENSED	(1)20WLED	120	--	FRESNEL LENS LITE	RECESSED	CENTERED IN WIDTH	--
LS-J-001	FLOOD LIGHT	KLITE #8830	LIGHTOLIER # LT08RWF830BK	8.9 W 3000K		--	--	--	CIRCUIT TRACK MOUNT HEIGHT-(10'-6")	LINE VOLTAGE LED TRACKHEAD TO ACCENT GLASS GUARD AT COUNTER AND CHIP / COOKIE DISPLAY AND DINING AREA
LS-J-002	CIRCUIT TRACK	LIGHTOLIER: 600"NBK		--	--	--	--	1- CIRCUIT LINE VOLTAGE TRACK MOUNT HEIGHT - (10'-6")		*CONTRACTOR TO VERIFY LENGTHS PRIOR TO ORDERING
LW-J-001	UP DOWN SCONCE	KLITE #8830	SATCO NUVO 62-1146R1	20 W 3000K	120	--	--	--	MOUNT HEIGHT-(7'-0")	--
LR-J-002	6"X48" LINEAR LED	SATCO	NUVO 62-1257	--	--	--	--	SURFACE	LOCATE DIRECTLY NEXT TO NETWORK CABINET ABOVE MANAGERS DESK	--
LS-J-003	LIGHTING TIME CLOCK	INTERMATIC-T101	--	--	--	--	--	SURFACE	LOCATE DIRECTLY NEXT TO NETWORK CABINET ABOVE MANAGERS DESK	365 DAYS PROGRAMMABLE

NOTES:

- ALL LIGHT FIXTURES, LAMPS AND CEILING FANS ARE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. CONTACT KEC DESIGN, 301 MERCURY DRIVE, CHAMPAIGN, IL. 61822. PH: (217) 356-1640.

NO SUBSTITUTIONS ON ANY FIXTURES.

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REV	REV DESCRIPTION	DATE
-	ISSUE FOR PERMIT	07/09/2025

EXP: 07/31/2026
SIGNED: 07/10/2025
Jenna
JENNIFER VALENTINE
REGISTERED
No. 12400861
STATE OF
INDIANA
PROFESSIONAL ENGINEER

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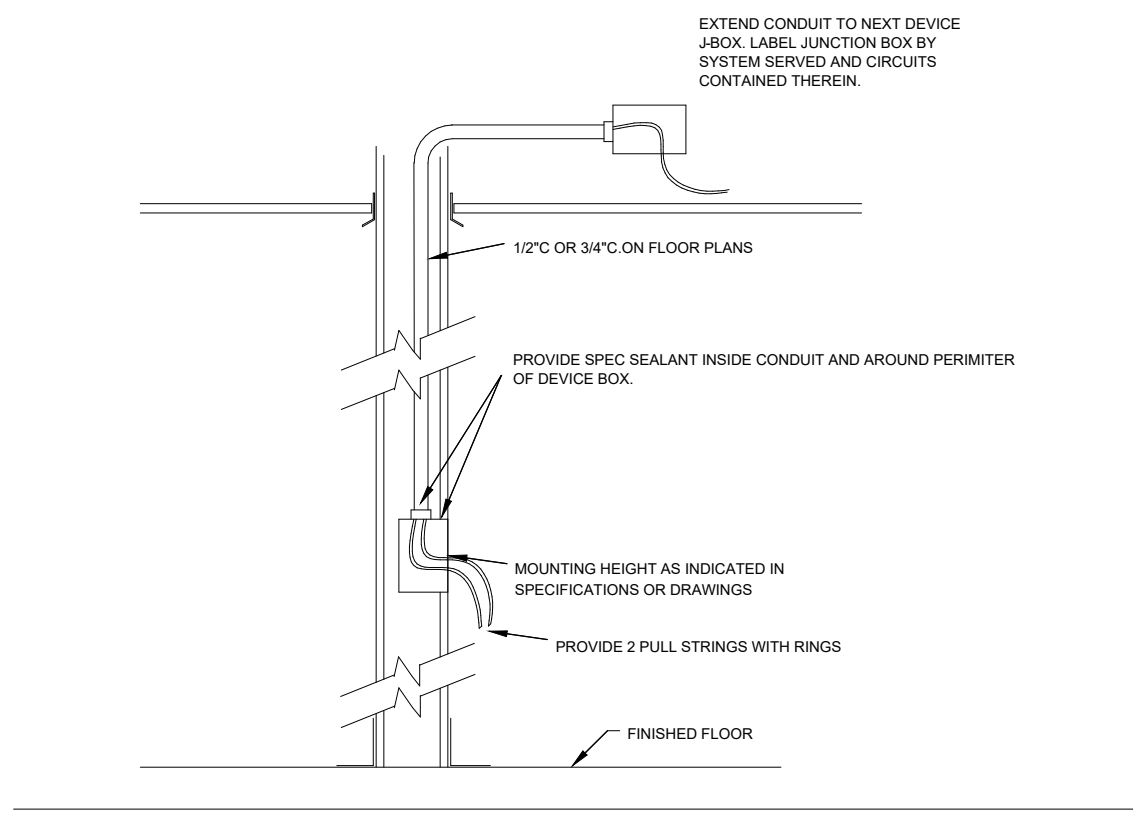
ELECTRICAL ONE LINE DIAGRAM AND SCHEDULES

SHEET NUMBER:

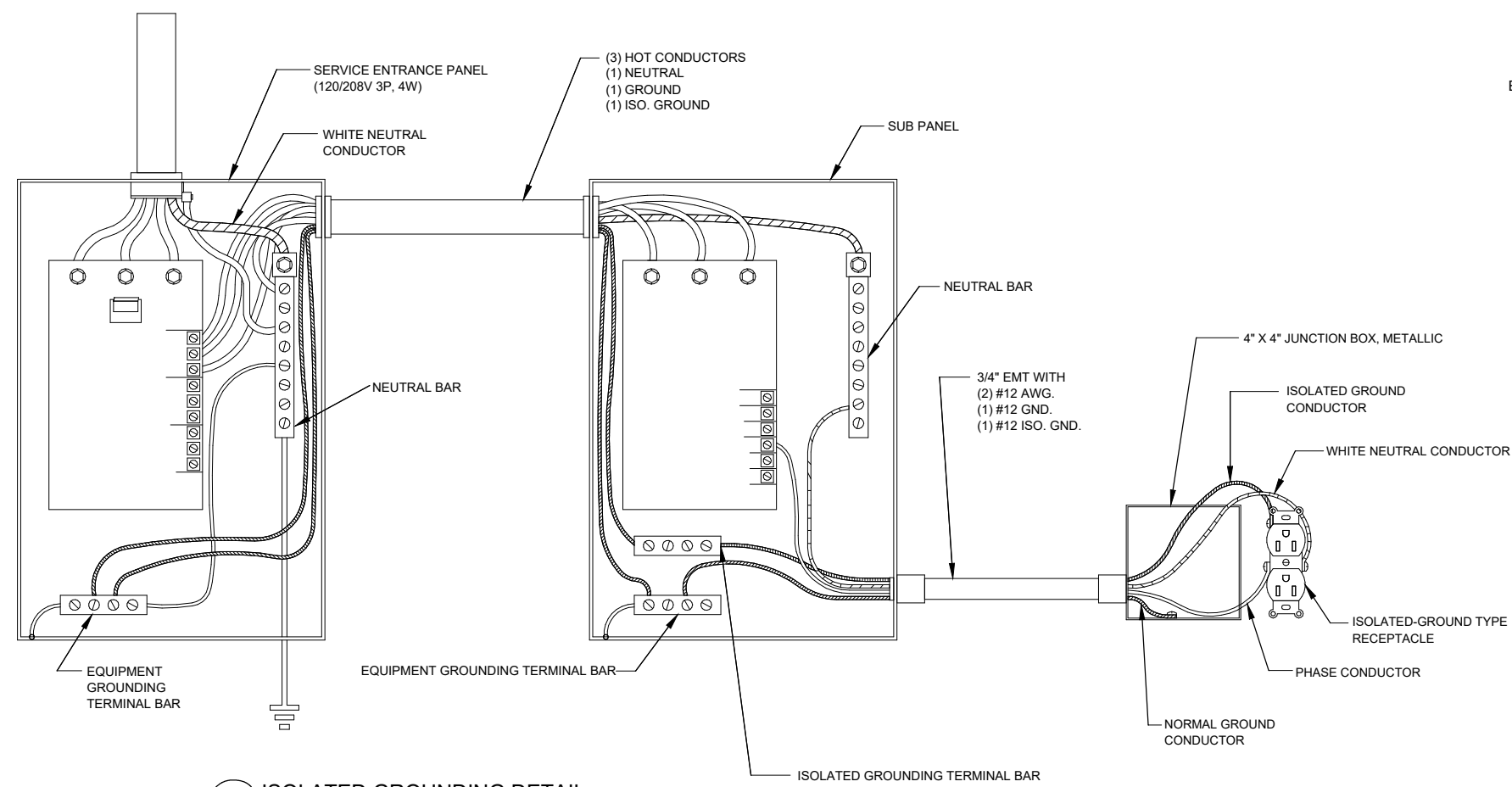
JJE1.4

COMMUNICATIONS/DATA SUB-CONTRACTOR TO COORDINATE LOCATION AND SIZE OF NECESSARY CONDUITS FOR CABLING WITH ELECTRICAL CONTRACTOR.

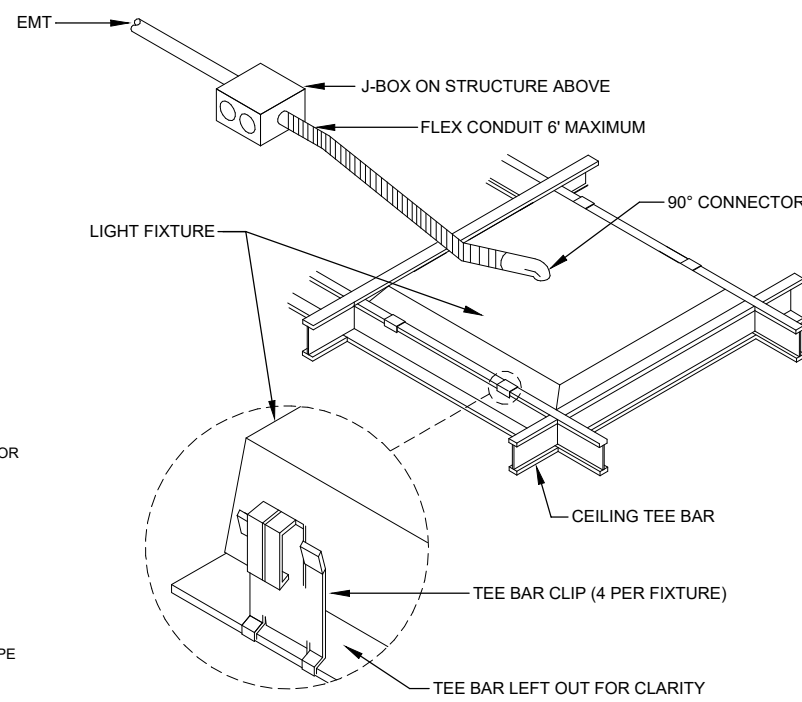
PROVIDE BLOCKING FOR ALL CAMERA AND SPEAKER LOCATIONS
WITH CONDUIT ROUTED TO BACK OF BLOCKING



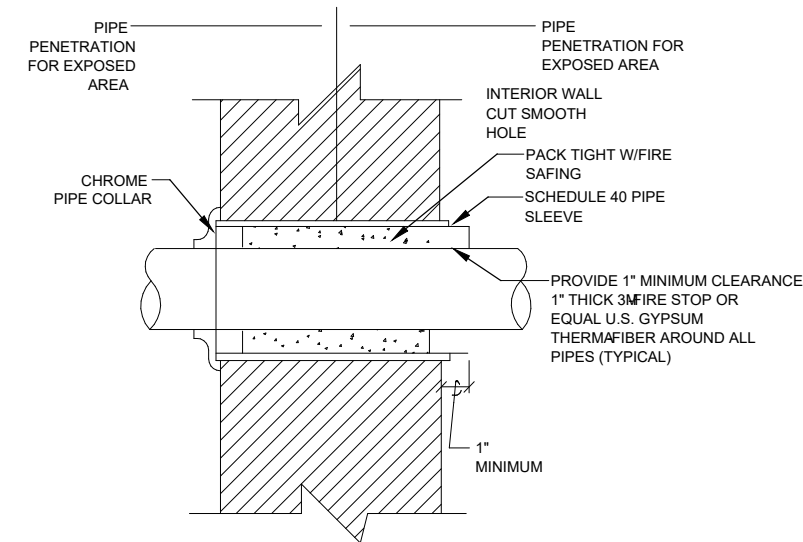
1 BACK BOX AND CONDUIT SUB-UP DETAIL
18" x 12"



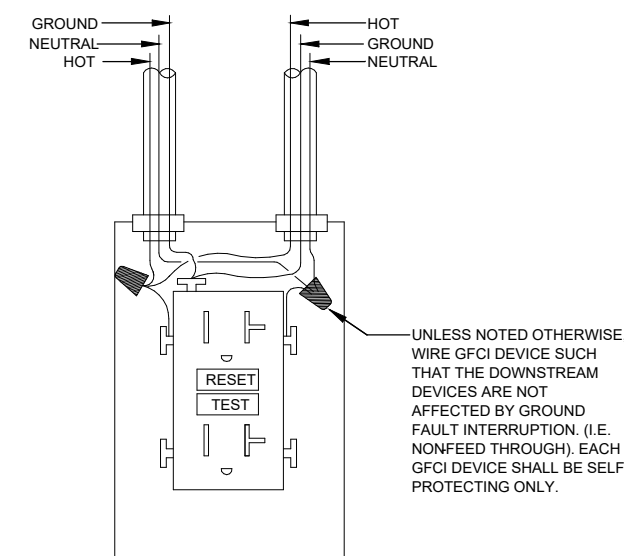
2 ISOLATED GROUNDING DETAIL
18" x 12"



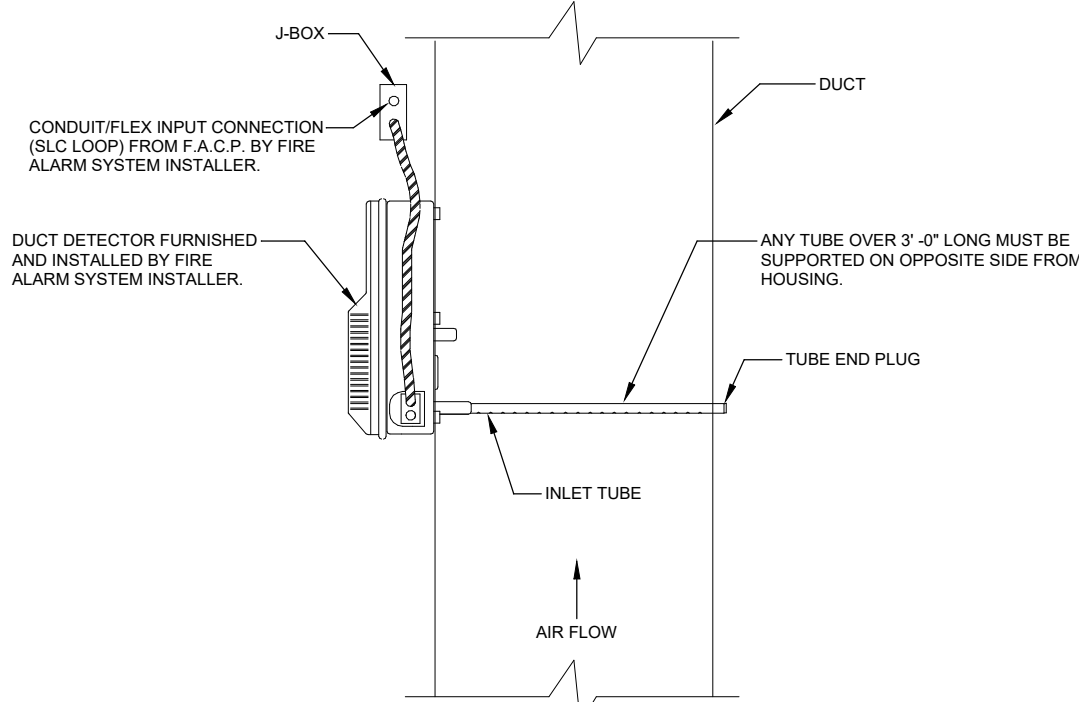
3 LAY-IN FIXTURE DETAIL
12" x 12"



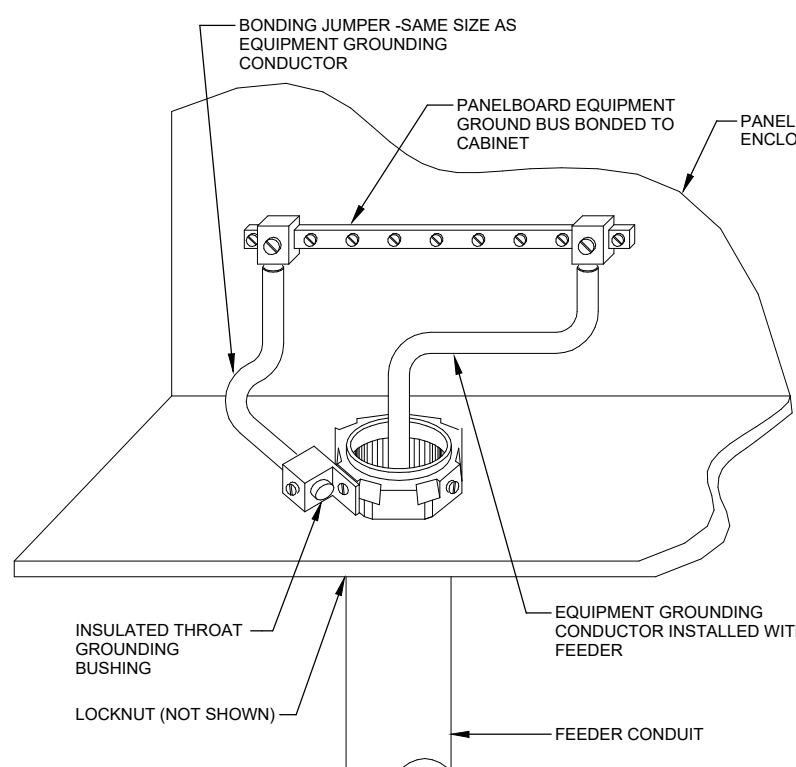
4 FIRE PENETRATION DETAIL
18" x 12"



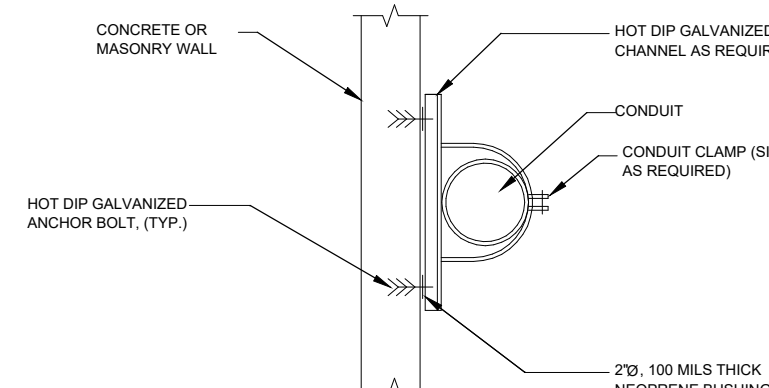
5 GFI RECEPTACLE DETAIL
6\"/>



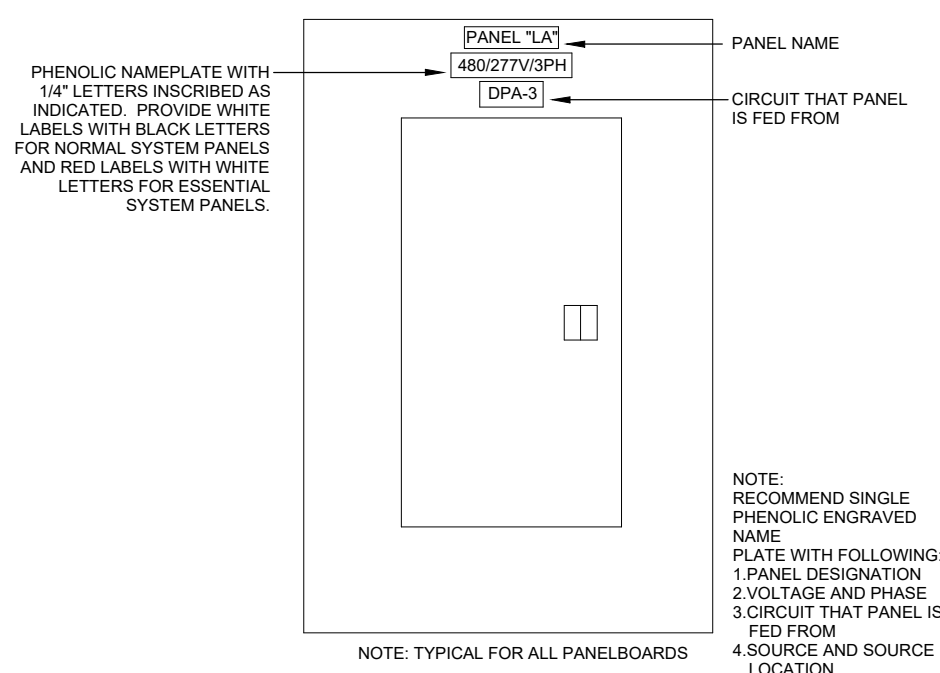
6 DUCT DETECTOR MOUNTING DETAIL
3\"/>



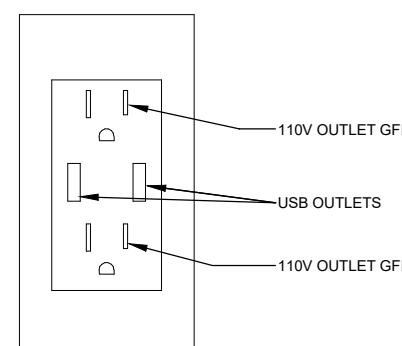
7 PANELBOARD BONDING DETAIL
12" x 12"



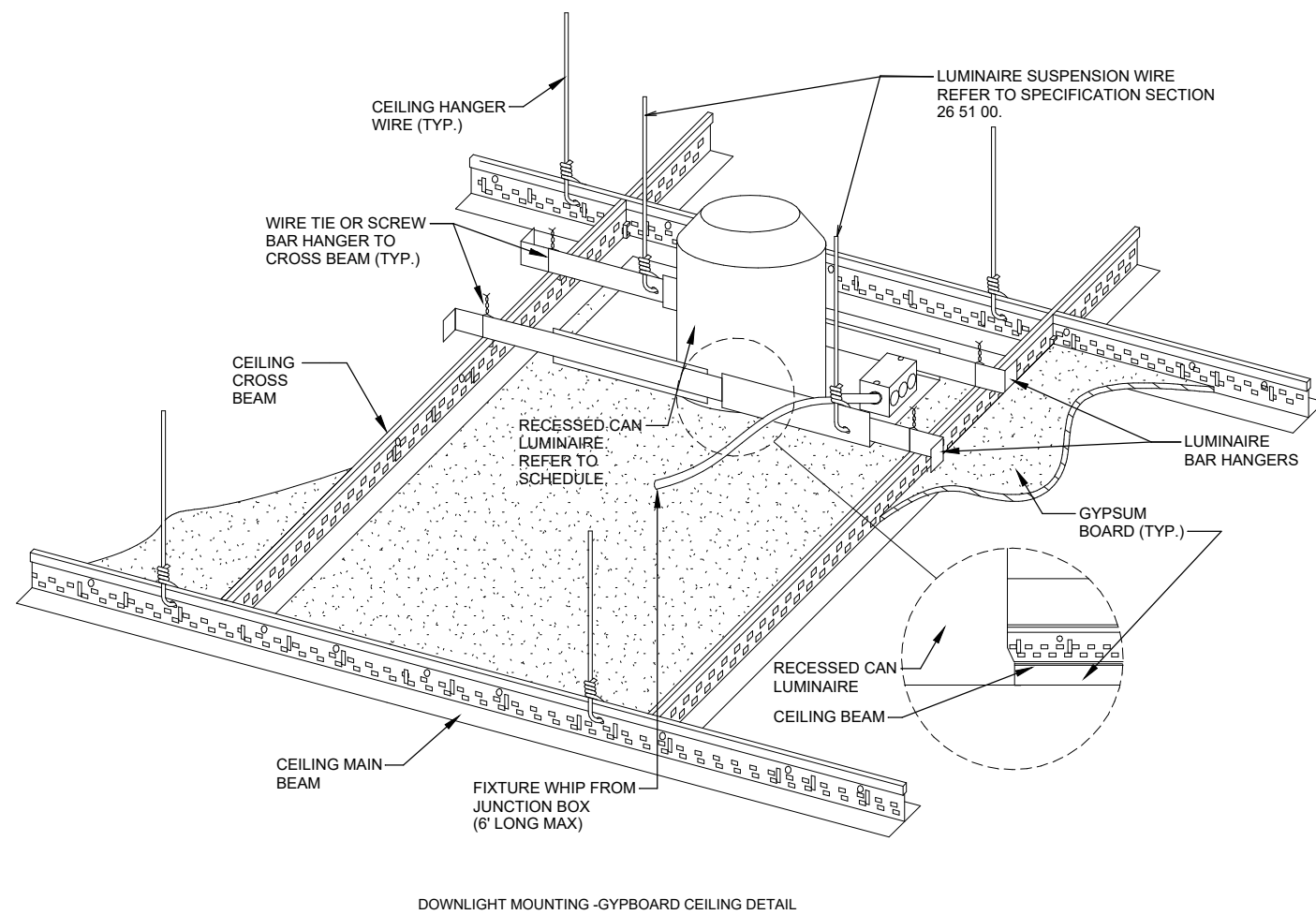
8 CONDUIT SUPPORT DETAIL
18" x 12"



9 PANELBOARD IDENTIFICATION DETAIL
12" x 12"



10 USB/OUTLET COMBO
18" x 12"



11 WIRING DIAGRAM TEMPLATE
12" x 12"

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-	ISSUE FOR PERMIT	07/09/2025



EXP: 07/31/2026
SIGNED: 07/10/2025

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ELECTRICAL
DETAILS

SHEET NUMBER:

JJE1.6

PLUMBING ABBREVIATIONS

PLUMBING ABBREVIATIONS			
- A -		- K -	
ABV	ABOVE	KW	KILOWATT
AC	AIR CONDITIONING (HVAC)		
ACC	ACCESSIBLE	- L -	
AFF	ABOVE FINISH FLOOR	LAV	LAVATORY
AFSR	AUTOMATIC FIRE SPRINKLER RISER		
AP	ACCESS PANEL	- M -	
AV	ACID VENT	MPG	MEDIUM PRESSURE GAS
AW	ACID WASTE	MTD	MOUNTED
		MS	MOP SINK
- B -		- N -	
BEH	BEHIND	NTS	NOT TO SCALE
BEL	BELOW	NC	NORMALLY CLOSED
BTUH	BRITISH THERMAL UNITS PER HOUR	NO	NORMALLY OPEN
- C -		- O -	
CD	CONDENSATE DRAIN	OC	ON CENTER
CFH	CUBIC FEET PER HOUR	OD	OVERFLOW DRAIN
CFM	CUBIC FEET PER MINUTE		
CLG	CEILING	- P -	
CO	CLEANOUT	PH	PHASE
CONT	CONTINUATION	PO	PLUGGED OUTLET
COTG	CLEANOUT TO GRADE	POC	POINT OF CONNECTION
CU FT	CUBIC FEET	PSI	POUNDS PER SQUARE INCH
CW	COLD WATER (DOMESTIC)		
- D -		- Q -	
DN	DOWN	QTY	QUANTITY
DF	DRINKING FOUNTAIN		
DR	DROP	- R -	
DS	DOWN SPOUT	RD	ROOF DRAIN
DWG	DRAWING	REF	REFRIGERATOR
DW	DISH WASHER	RPM	REVOLUTIONS PER MINUTE
- E -		- S -	
(E)	EXISTING	SAN	SANITARY SEWER
EL	ELEVATION	SD	STORM DRAIN
EQUIP	EQUIPMENT	SK	SINK
ESEW	EMERGENCY SHOWER EYE WASH	SOV	SHUT-OFF VALVE
EWG	ELECTRIC WATER COOLER	SQ	SQUARE
EWH	ELECTRIC WATER HEATER	SS	SERVICE SINK
- F -		- T -	
F	FIRE LINE	TMV	THERMOSTATIC MIXING VALVE
FCO	FLOOR CLEANOUT	TP	TRAP PRIMER
FD	FLOOR DRAIN	TPL	TRAP PRIMER LINE
FFE	FINISHED FLOOR ELEVATION	TPY	TYPICAL
FLR	FLOOR	TW	TEMPERED WATER
FS	FLOOR SINK	TWR	TEMPERED WATER RETURN
FT	FOOT, FEET		
FU	FIXTURE UNIT	- U -	
FV	FLUSH VALVE	UR	URINAL
- G -		- V -	
G	GAS (LOW PRESSURE)	V	VENT
GAL	GALLON	VERT	VERTICAL
GC	GAS COCK	VTR	VENT THROUGH ROOF
GPF	GALLONS PER FLUSH	VB	VACUUM BREAKER
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE	- W -	
GPR	GAS PRESSURE REGULATOR	W	WASTE
GWH	GAS WATER HEATER	W/	WITH
GW	GREASE WASTE	WC	WATER CLOSET
- H -		WCO	WALL CLEANOUT
HB	HOSE BIBB	WH	WALL HYDRANT
HD	HUB DRAIN	WHA	WATER HAMMER ARRESTOR
HP	HORSEPOWER		
HW	HOT WATER (DOMESTIC)	- Y -	
HWR	HOT WATER RETURN (DOMESTIC)	YB	YARD BOX
- I -			
ICW	INDUSTRIAL COLD WATER		
IW	INDIRECT WASTE		
IE	INVERT ELEVATION		
INT	INTEGRAL		

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INDIANA PLUMBING CODE, LOCAL STATE FIRE MARSHAL, LOCAL OFFICE OF THE STATE ARCHITECT, AND LOCAL ADMINISTRATIVE CODES, AND AUTHORITIES HAVING JURISDICTIONS.
2. CONTRACTOR SHALL VERIFY ALL UTILITIES LOCATION, SIZE AND ELEVATIONS WITH CIVIL ENGINEER'S DRAWINGS PRIOR TO START OF WORK.
3. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR CLEARANCES AND WORK INCLUDED PRIOR TO START OF WORK.
4. KEEP ALL PIPING CLEAR FROM LOAD BEARING FOOTINGS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF ALL PLUMBING FIXTURES.
6. EACH VENT PIPE OR STACK SHALL EXTEND THROUGH ITS FLASHING AND SHALL TERMINATE VERTICALLY NOT LESS THAN 6 INCHES ABOVE THE ROOF NOR LESS THAN 1 FOOT FROM A VERTICAL SURFACE. ABS AND PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER BASED SYNTHETIC LATEX PAINTS. EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM, OR NOT LESS THAN 3 FEET ABOVE, AN OPENABLE WINDOW, DOOR, OPENING, AIR INTAKE, OR VENT SHAFT, OR NOT LESS THAN 3 FEET IN EVERY DIRECTION FROM A LOT LINE, ALLEY AND STREET EXCEPTED.
7. VENT PIPE AND FITTINGS SHALL COMPLY WITH THE APPLICABLE STANDARDS.
8. A WATER SUPPLY TO A URINAL SHALL BE PROTECTED BY AN APPROVED-TYPE VACUUM BREAKER OR OTHER APPROVED BACKFLOW PREVENTION DEVICE IN ACCORDANCE WITH LOCAL CODE.
9. PROVIDE AND INSTALL ACCESS PANELS AT ALL LOCATION OF WATER HAMMER ARRESTORS. - PANELS TO 12 X 12 OR AS REQUIRED. FINISH SELECTED BY ARCHITECT.
10. CLEANOUTS SHALL BE INSTALLED PER LOCAL PLUMBING CODE. CLEANOUTS LOCATION SHALL BE COORDINATED WITH CLIENT AND ARCHITECT PRIOR TO INSTALLATION. CLEANOUTS SHALL BE ACCESSIBLE.
11. SLOPE OF BUILDING SEWERS SHALL NOT BE LESS THAN 2% UNLESS NOTED OTHERWISE.
12. ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS REQUIRED BY 2010 INDIANA ENERGY CONSERVATION CODE OF THE BUILDING ENERGY EFFICIENCY STANDARDS. INSULATION SHALL HAVE A FIRE HAZARD CLASSIFICATION 25/50 COMPOSITE RATING.
13. CIRCULATING HOT WATER SYSTEMS SHALL BE EQUIPPED WITH A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMPS WHEN HOT WATER IS NOT REQUIRED (TIME CLOCK).
14. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE 2010 INDIANA ENERGY CONSERVATION CODE REQUIREMENTS AND BE SO LABELED.
15. HOT WATER DELIVERED FROM PUBLIC-USE LAVATORIES SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 120°F (49°C) BY A DEVICE THAT COMPLIES WITH ASSE 1070/ASME A112.1070/CSA B125.70. THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A CONTROL FOR MEETING THIS PROVISION.
16. HANGERS AND ANCHORS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE PIPE AND ITS CONTENTS. PIPING SHALL BE ISOLATED FROM INCOMPATIBLE MATERIALS.
17. COORDINATE WITH ELECTRICAL TRADE PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT EQUIPMENT LOCATIONS.
18. ALL HOSE BIBBS, WALL HYDRANTS AND JANITORIAL SERVICE SINKS SHALL BE EQUIPPED WITH APPROVED, PROPERLY INSTALLED ATMOSPHERIC TYPE VACUUM BREAKER.
19. ALL WATER CONNECTIONS TO HVAC EQUIPMENT SHALL BE PROTECTED BY APPROVED, REDUCED PRESSURE BACKFLOW PREVENTION DEVICES. DEVICES SHALL BE ACCESSIBLE FOR TEST AND MAINTENANCE. PROVIDE FUNNEL DRAIN AND INDIRECT WASTE PIPING FOR BACKFLOW DEVICES DISTANT FROM FLOOR SINKS.
20. NATURAL GAS LINES SHALL NOT BE LOCATED UNDER ANY STRUCTURE.
21. DO NOT USE METALLIC GAS LINES TO GROUND ELECTRICAL SYSTEM.
22. PROVIDE COATED 12 GAUGE COPPER WIRE ATTACHED TO POLYETHYLENE GAS YARD PIPING FOR TRACING PURPOSE. TERMINAL WIRES SHALL BE IDENTIFIED IN LABELED ACCESS BOXES.
23. FOR LOCATION OF PIPING SLEEVES AND FLOOR OPENINGS THROUGH STRUCTURAL FLOOR SLABS, REFER TO DETAILS INDICATED IN STRUCTURAL DRAWINGS.
24. CONTRACTOR SHALL PATCH AND REPAIR ALL SURFACE AREAS DAMAGED BY HIS OPERATION.
25. ALL VALVES, UNIONS, ETC. TO BE LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS. PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURES AND ASSOCIATED EQUIPMENT.
26. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH THREADED TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
27. ANY DEVIATION FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
28. UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL PLANS NO STRUCTURAL MEMBER SHALL BE CUT. NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
29. FOR THE PURPOSE OF CLARITY AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACTOR DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING OR INSTALLING OF ANY MATERIALS.
30. ALL INTERIOR CONDENSATE PIPING SHALL BE INSULATED WITH CLOSED CELL FOAM INSULATION; WITH FIRE HAZARD CLASSIFICATION 25/50 COMPOSITE RATING.
31. CONTRACTOR SHALL PROVIDE AS-BUILTS, CAD GENERATED AND DRAWN TO THE SAME SCALE THAT CONSTRUCTION DRAWINGS INDICATE.
32. PROVIDE WRITTEN WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR LABOR, AT NO COST TO OWNER, FOR A PERIOD OF ONE YEAR FROM DATE OF OWNERS ACCEPTANCE.
33. ALL WORK SHALL BE DONE ACCORDING TO THE APPLICABLE CODE AND CITY REGULATIONS AS ADOPTED BY THE AUTHORITIES HAVING JURISDICTION (A.H.)

PLUMBING SHEET INDEX			
SR NO.	SHEET NO.	SHEET NAME	SCALE
1	JJP1.0	PLUMBING GENERAL NOTES AND SYMBOLS	N.T.S.
2	JJP1.1	PLUMBING SPECIFICATION	N.T.S.
3	JJP1.2	PLUMBING SANITARY DRAINAGE FLOOR PLAN	1/4" = 1'-0"
4	JJP1.3	PLUMBING DOMESTIC WATERAND GAS FLOOR PLAN	1/4" = 1'-0"
5	JJP1.4	PLUMBING RISER DIAGRAM	N.T.S.
6	JJP1.5	PLUMBING DETAILS	N.T.S.
7	JJP1.6	PLUMBING SCHEDULES AND DETAILS	N.T.S.

CONTACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS

1. 2014 INDIANA MECHANICAL CODE.
2. 2012 INDIANA PLUMBING CODE.
3. 2014 INDIANA BUILDING CODE.
4. 2010 INDIANA ENERGY CONSERVATION CODE
5. 2009 INDIANA ELECTRIC CODE.
6. 2014 INDIANA FUEL GAS CODE.
7. 2014 INDIANA FIRE CODE.

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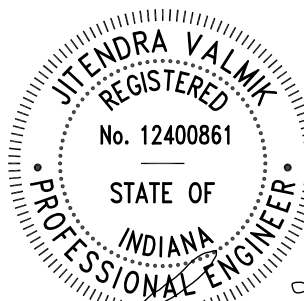
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PLUMBING GENERAL NOTES AND SYMBOLS

SHEET NUMBER:

JJP1.0

DIVISION 15 - PLUMBING SPECIFICATIONS

GENERAL

- A. THE GENERAL CONDITIONS OF THE GENERAL SPECIFICATIONS, ALONG WITH ALL APPLICABLE INSTRUCTIONS TO BIDDERS SHALL FORM A PART OF THIS SECTION OF THE SPECIFICATIONS.
- B. REFERENCE IS MADE TO REQUISITES FOR BIDDERS AND CONTRACTORS UNDER OTHER SECTIONS OF THESE SPECIFICATIONS, WHICH SHALL BE CONSIDERED BINDING, UNLESS OTHERWISE NOTED UNDER THIS SCOPE.

EACH CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DETAILS, BOTH AS ON TENANT CONSTRUCTION DRAWINGS AND LANDLORD'S AS REFERRED TO, BEFORE SUBMITTING HIS BID AS NO ALLOWANCES WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS. ALL PERFORMANCE OF CONSTRUCTION SHALL BE AS REQUIRED BY THE PACE OF THE GENERAL CONSTRUCTION. INSPECTION OF SITE

ALL PROPOSALS SHALL PRECLUDE THAT CONTRACTOR IS FAMILIAR WITH JOB SITE CONDITIONS AND UTILITY LOCATIONS AND THE LACK OF SPECIFIC INFORMATION ON THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY.

PERMITS

ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR INVOLVED.

CODE REQUIREMENTS

ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS, DRAWINGS OR AS DIRECTED BY THE OWNER, & SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, OR REGULATIONS OF THE GOVERNING BODIES, WHETHER SO SHOWN OR NOT, & ALL MODIFICATIONS REQUIRED BY SUCH AUTHORITIES SHALL BE MADE BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COST TO THE OWNER.

MATERIALS AND WORKMANSHIP

- A. MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURERS, AND UNLESS OTHERWISE SPECIFIED SHALL BE NEW, AND FREE FROM ANY DEFECTS. ALL LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURE AND QUALITY UNLESS OTHERWISE SPECIFIED.
- B. WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY COMPETENT WORKMEN AND EXECUTED IN A NEAT AND WORKMANLIKE MANNER. WORK SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION, AND ON COMPLETION, THE INSTALLATION SHALL BE THOROUGHLY CLEANED AND ALL DEBRIS PRESENT AS A RESULT OF THIS CONTRACT SHALL BE REMOVED FROM THE PREMISES, DO NOT JUST ABANDON.

CODES AND REGULATIONS

EACH SUBCONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN OR SPECIFIED. IF A SUBCONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT A VARIANCE, HE SHALL PROMPTLY NOTIFY THE GENERAL CONTRACTOR AND THE TENANT IN WRITING; IF ANY SUBCONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO LAWS, ORDINANCES, RULES AND REGULATIONS AND WITHOUT GIVING SUCH NOTICE, THE SUBCONTRACTOR SHALL BEAR ALL COSTS ARISING THEREFROM.

PROTECTION OF WORK AND PROPERTY

- A. EACH SUBCONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROJECTION OF ALL HIS WORK FROM DAMAGE AND SHALL PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS ARISING FROM HIS WORK. HE SHALL MAKE GOOD ANY SUCH DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO CAUSES BEYOND HIS CONTROL AND NOT TO HIS FAULT OR NEGLIGENCE, HE SHALL ADEQUATELY PROTECT ADJACENT PROPERTY AS WELL.
- B. EACH SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THEIR EMPLOYEES ON THE WORK AND SHALL COMPLY WITH ALL PROVISIONS OF FEDERAL, STATE AND LOCAL BUILDING CODES AND SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY TO PERSONS ON OR ADJACENT TO THE PREMISES WHERE THE WORK IS BEING PERFORMED. EACH SUBCONTRACTOR SHALL MAINTAIN ALL INSURANCE REQUIRED TO PROTECT HIMSELF, OWNER AND TENANT FOR THE DURATION OF THE WORK AGAINST PROPERTY DAMAGE AND PUBLIC LIABILITY.

CHANGES IN THE WORK

THE TENANT, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK, THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY.

COOPERATION

ALL WORK UNDER THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN CON- JUNCTION WITH OTHER CONTRACTORS AND TRADES OF THIS PROJECT IN A MANNER WHICH WILL ALLOW EACH CONTRACTOR AND TRADE ADEQUATE TIME AT THE PROPER STAGE OF CONSTRUCTION TO FULFILL HIS CONTRACTS. REFERENCE SHALL BE MADE TO THE OWNER FOR INSTRUCTIONS SHOULD ANY QUESTIONS ARISE BETWEEN TRADES AS TO THE PLACING OF LINES, DUCTS, CONDUITS, FIXTURES, OR EQUIPMENT, OR SHOULD IT APPEAR DESIRABLE TO REMOVE ANY GENERAL CONSTRUCTION WHICH WOULD AFFECT THE APPEARANCE OR STRENGTH OF THE STRUCTURE.

SUBSTITUTION OF MATERIALS

MANUFACTURER'S NAMES ARE LISTED HEREIN TO ESTABLISH A STANDARD. THE PRODUCTS OF OTHER MANUFACTURERS WILL BE ACCEPTABLE, IF IN THE OPINION OF THE TENANT, THE SUBSTITUTE MATERIAL IS OF A QUALITY AS GOOD OR BETTER THAN THE MATERIAL SPECIFIED, AND WILL SERVE WITH EQUAL EFFICIENCY AND DEPENDABILITY, THE PURPOSE FOR WHICH THE ITEMS SPECIFIED WERE INTENDED.

SHOP DRAWINGS

SHOP DRAWINGS AND CATALOG DATA ON ALL MAJOR ITEMS OF EQUIPMENT AND SYSTEMS, AND SUCH OTHER ILLUSTRATIVE MATERIAL AS MAY BE CONSIDERED NECESSARY BY THE TENANT, SHALL BE SUBMITTED BY THIS CONTRACTOR IN ADEQUATE TIME TO PREVENT DELAY AND CHANGES DURING CONSTRUCTION.

DRAWINGS AND SPECIFICATIONS

- A. THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS LINES, DUCTS, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
- B. ANY CHANGES BE DEEMED NECESSARY BY THE CONTRACTOR IN ITEMS SHOWN ON CONTRACT DRAWINGS, THE SHOP DRAWINGS, DESCRIPTIONS, AND THE REASON FOR THE PROPOSED CHANGES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

RESPONSIBILITY

- A. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE SATISFACTORY AND COMPLETE EXECUTION OF ALL WORK INCLUDED IN THE CONTRACT AND SHALL PRODUCE COMPLETE FINISHED OPERATING SYSTEMS AND PROVIDE ALL INCIDENTAL ITEMS REQUIRED AS PART OF HIS WORK, REGARDLESS OF WHETHER SUCH ITEM IS PARTICULARLY SPECIFIED OR INDICATED
- B. CONTRACTOR SHALL SUPPLY TO LANDLORD AND TENANT A CERTIFIED: BALANCE REPORT AT COMPLETION OF PROJECT. THIS IS REQUIRED FOR BOTH REMODELED AND NEW STORES.

GENERAL PROVISIONS

1. PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM FOR THE BUILDING.
2. OBTAIN WATER, SEWER, GAS TAPS, AND ANY OTHER REQUIRED UTILITIES AND EXTEND SERVICE FROM SAME TO BUILDING AS SHOWN ON DRAWINGS. VISIT THE SITE FOR UNDERSTANDING OF THE WORK TO BE DONE BEFORE SUBMITTING BID.

3. COORDINATE THIS WORK WITH THE WORK OF THE OTHER TRADES ON THE PROJECT. ALL PLUMBING IS TO BE ROUGHED IN WHILE THE BUILDING IS BEING CONSTRUCTED AT SUCH TIMES AS NOT TO DELAY THE GENERAL CONTRACTOR ON THE BUILDING.
4. GENERAL REQUIREMENTS: COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS, CODES, RULES, AND ORDINANCES GOVERNING WORK OF THIS CHARACTER. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.
5. THE LOCATION OF THE PIPING RUNS ARE APPROXIMATE AND THE CONTRACTOR MUST MAKE ANY NECESSARY CHANGES IN THE PIPING RUNS, ETC., AT NO ADDITIONAL COST TO THE OWNER. OUTLET LOCATIONS ARE CRITICAL AND MUST BE LOCATED EXACTLY ACCORDING TO THE PLUMBING PLAN. COORDINATE THIS WORK WITH THE INSTALLERS OF EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. REFER TO THE OTHER DRAWINGS FOR DETAILS OF THE BUILDING CONSTRUCTION AND THE OTHER MECHANICAL, ELECTRICAL, AND EQUIPMENT FEATURES.
6. COORDINATION AND WORKMANSHIP: SCHEDULE THIS WORK SO THAT IT WILL BE PROPERLY COORDINATED WITH ALL OTHER TRADES. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE FOR THE CLASS OF WORK INVOLVED. WORKMANSHIP SHALL ALLOW THE APPLIANCE TO OPERATE AS INTENDED AND BE INSTALLED TO BEST PROTECT THE PUBLIC AND OPERATORS FROM INJURY OR DAMAGE, AND TO PRESENT A NEAT, PLEASING, AND ORDERLY APPEARANCE.

MATERIALS AND PERFORMANCE

1. MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPLICATE WITHIN FIVE (5) DAYS AFTER THE CONTRACT IS LET.
2. BACKFILLING: PERFORM ALL NECESSARY EXCAVATING AND BACKFILLING REQUIRED FOR THIS INSTALLATION. PREPARE A PROPER BED OF SAND OR GRAVEL OR EQUIVALENT IN ROCK SCREENINGS SO AS TO ELIMINATE SHIMMING AND VOID SPACES UNDER ANY OF THE UTILITY SERVICE PIPES. BENDING OF ANY HARD PIPE WILL NOT BE PERMITTED. WHERE A CHANGE IN DIRECTION IS NECESSARY ON PRESSURE PIPES, "COMPATIBLE" COUPLINGS OR EQUAL SHALL BE USED AND BENDS MAY NOT EXCEED 90 DEGREES. ALL EXCAVATION BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED WITH 2000 PSI CONCRETE. OTHER BACKFILL SHALL CONSIST OF 2-3" OF SAND OR ROCK SCREENINGS AND EARTH TO A FINAL LEVEL EQUAL TO ITS ORIGINAL CONDITION. IN THE EVENT THE BACKFILL SHOULD SETTLE BEFORE THE FINAL TOP SURFACE IS APPLIED, APPLY ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO MINIMIZE THE DUST LEVEL WHEN EXCAVATING AND BACKFILLING SO AS TO COMPLY WITH FEDERAL AND STATE E.P.A. REGULATIONS RELATING TO THIS TYPE OF WORK (FUGITIVE DUST).
3. PIPING INSTALLATION: CLEANOUTS MUST BE INSTALLED ON MINIMUM DROP LINES EVEN THOUGH NOT SHOWN ON THE BLUEPRINTS. USE REDUCING FITTINGS IN MAKING REDUCTIONS IN SIZE OF PIPE. REAM ALL PIPE AFTER CUTTING, THEN TURN PIPES ON END AND KNOCK OUT ALL LOOSE DIRT AND SCALE BEFORE INSTALLING. MAKE CHANGES IN HORIZONTAL DIRECTION OF SOIL AND WASTE PIPES WITH LONG RADIUS FITTINGS OR WITH "Y" BRANCHES AND 1/8 OR 1/16 BENDS. CONNECT SOIL STACKS AT BASE TO HORIZONTAL RUNS WITH "Y" CONNECTIONS.

- A. WATER SUPPLY PIPES TO FIXTURES AND WASTE PIPES FROM FIXTURES SHALL BE CENTERED IN THE PROPER PLACE RELATIVE TO THE CENTER LINE OF THE FIXTURE. NO OFFSETS WILL BE ALLOWED. ALL PIPES SHALL BE RUN MECHANICALLY STRAIGHT AND SQUARE WITH BUILDING LINES, EXCEPT FOR REQUIRED PITCH ON HORIZONTAL LINES, AND ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS. WATER PIPING TO BE ROUTED IN WALLS, UNDER THE FLOOR SLAB, AND ABOVE SUSPENDED CEILINGS AS NOTED. WHERE WATER LINES ARE ROUTED UNDER THE FLOOR SLAB, NO MECHANICAL JOINTS SHALL BE MADE UNDER THE SLAB EXCEPT AS LISTED BELOW. WATER PIPING SHALL BE INSTALLED NOT TO EXERT VERTICAL NOR HORIZONTAL STRESSES ON THE SEATING OF UNIONS. UNIONS SHALL BE COPPER TYPE MIBCO #733 OR EQUAL.
- B. NO WAX, PUTTY, OR VARNISH WILL BE PERMITTED. CRACKED FITTINGS SHALL BE REMOVED AND REPLACED WITH NEW FITTINGS. MAKE THREADED JOINTS IN BRASS PIPE AND FITTINGS WITH PIPE THREADING TO THE SHOULDER OF THE FITTINGS. NO SLIP JOINTS OR COUPLING JOINTS IN BRASS PIPE WILL BE PERMITTED, EXCEPT ON THE FIXTURE SIDE OF THE TRAP.
- C. GAS PIPING FOR ABOVE GROUND INSTALLATIONS: ALL FITTINGS TO BE OIL, THREAD CUTTINGS AND RESIDUALS TO ACCEPT ENAMEL PAINT. ROUGH OR SHARP JOINED WITH TEFLON TAPE SEAL OR OTHER SUITABLE SEAL AND MADE IN CONFORMANCE EXPOSED THREAD SURFACES SHALL BE FILED SMOOTH. TESTING SHALL BE AS OUTLINED WITH THE BEST PRACTICES OF ASG AND NFPA 54. UNIONS SHALL BE CAST BLACK IRON AND INSTALLED IN A MANNER SUCH THAT NO STRESS WILL BE PLACED ON THE MALE-FEMALE SEALING SURFACES. PROPER ALIGNMENT WILL BE MADE AT TIME OF INSTALLATION. ALL JOINTS AND CONNECTIONS SHALL BE THOROUGHLY CLEANED OF

WATER PIPE

JOINTS SHALL BE CLEANED AND DEBURRED AS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE, AND LOCAL CODES AND SOLDERED AS LISTED BELOW. FLUX SHALL BE NON-CORROSIVE.

ABOVE GRADE - WHERE FITTINGS ARE SOLDERED BOTH FITTINGS AND TUBING SHALL BE CLEANED AS DESCRIBED ABOVE. UNDER NO CIRCUMSTANCES SHALL DISSIMILAR METALS COME INTO DIRECT CONTACT WITH COPPER TUBING; E.G., GALVANIZED STRAPPING, HANGERS, OR CLAMPS TO SECURE THE TUBING.

BELOW GRADE, OR FLOOR SLAB ON EARTH OR STONE FILL-UPONOR PEX, NO JOINTS PERMITTED UNDER GRADE.

NOTE: WATER PIPE TO BE PROPERLY SECURED AND ALIGNED SO AS NOT TO EXERT VERTICAL OR HORIZONTAL STRESSES ON THE SEATING OF THE MATING (MALE AND FEMALE) SURFACES OF THE UNIONS.

- A. MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER.
- B. MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN.
- C. MATERIALS - PEX PIPING, IF APPROVED BY LOCAL CODE. (NOTE: WHEN PEX IS USED, CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING PROPER INSTALLATION AND BALANCING FOR HOT WATER RECIRCULATION WHEN APPLICABLE).
- D. INSULATION: INSULATION FOR COLD WATER PIPING SHALL BE 1/2". HOT WATER & HOT WATER RETURN MUST BE AT LEAST THE THICKNESS OF THE PIPE DIAMETER. ACCEPTABLE MATERIALS: ARMAFLEX UL LABELED OR FIBERGLASS. INSULATE ALL PIPING AND FITTINGS.

GAS PIPE

- A. GAS PIPING ABOVE GROUND: ASTM A53, SCHEDULE 40 BLACK STEEL WITH 125 POUND BLACK MALLEABLE IRON SCREWED FITTINGS. INSTALL MOISTURE TRAPS ON HVAC UNITS AND KITCHEN EQUIPMENT.
- B. GAS PIPING COMPOUND AT JOINTS, IN COMPLIANCE WITH NFPA BULLETIN #54 AND LOCAL APPLICABLE CODES AND SUITABLE FOR NATURAL GAS SERVICE.
- C. PRIME AND PAINT EXPOSED PIPING: ONLY WHEN REQUIRED BY LOCAL CODES.

WASTE PIPE

- A. INSTALL HORIZONTAL DRAIN AND WASTE PIPES WITH MIN. 1/8"/FT. SLOPE FOR 3" OR GREATER 1/4"/FT FOR 2" AND LESS. (NOTE: CERTAIN JURISDICTIONS MANDATE 1/4" REGARDLESS OF PIPE SIZE, VERY IF WITH LOCAL PLUMBING AUTHORITY IF NOT SURE.)
- B. MATERIALS: PVC SCH. 40, WITH CHEMICALLY FUSED JOINTS OR CAST IRON (HUB TYPE WITH NEOPRENE JOINTS -WITH STAINLESS STEEL CONNECTORS WHEN PVC IS NOT ALLOWED PER LOCAL CODE.
- C. FOR CAST IRON BELOW GRADE OPTION:
1. COMPRESSION GASKET JOINTS - SANITARY PIPE & STORM PIPE: 1. JOINT SHALL BE ONE PIECE DOUBLE SEAL COMPRESSION TYPE GASKET MADE SPECIFICALLY FOR JOINING CAST IRON SOIL PIPE. GASKET SHALL BE NEOPRENE, PERMITTING JOINT TO FLEX AS MUCH AS 5 DEGREES WITHOUT LOSS OF SEAL. GASKET SHALL BE EXTRA HEAVY WEIGHT CLASS, CONFORMING TO ASTM C-564.
2. LEAD AND OAKUM JOINTS - SANITARY PIPE AND STORM PIPE: 1. PACK JOINT WITH OAKUM
- MADE OF VEGETABLE FIBER, COTTON, OR HEMP. POUR JOINT WITH MOLTEN LEAD UP TO TOP OF HUB. ENSURE LEAK-FREE JOINTS BY WORKING JOINT WITH INSIDE AND OUTSIDE CAULKING IRONS.

TESTS & CLOSEOUT PROCEDURES

- A. DRAINAGE AND VENT PIPING DRAINAGE AND VENT PIPING SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE INSTALLED BY CAPING AND FILLING THE ENTIRE SYSTEM WITH WATER AND ALLOWING IT TO STAND THUS FILLED NOT LESS THAN ONE (1) HOUR. INSPECT WATER LEVEL TO

- DETERMINE IF PIPING IS TIGHT.
- B. PIPING - THE WATER SUPPLY PIPING LINES SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE CONNECTED BY FILLING THE ENTIRE SYSTEM WITH POTABLE WATER AND APPLYING HYDROSTATIC PRESSURE OF 100 PSI AND ALLOWING TO STAND FOR NOT LESS THAN FOUR (4) HOURS AT THIS PRESSURE TO PROVE PLUMBING INTEGRITY.
- C. GAS PIPING - IN LIEU OF LOCAL REQUIREMENTS, GAS PIPING SHALL BE FILLED WITH COMPRESSED AIR TO 150 PSI AND HELD FOR A PERIOD OF FOUR (4) HOURS. EACH JOINT SHALL BE CHECKED BY LIQUID SOAP OR SPECIAL LIQUID CHEMICAL FOR LEAKS. NOTE: REMOVE ALL GAS VALVES AND PROTECT FROM DAMAGE BEFORE TESTING SYSTEM.
- D. DISINFECTION OF POTABLE WATER SYSTEM: UPON COMPLETION OF INSTALLATION DISINFECT THE WATER SYSTEM BY FILLING IT WITH SOLUTION CONTAINING 50 PARTS PER MILLION OF CHLORINE AND ALLOW IT TO STAND FOR NOT LESS THAN SIX (6) HOURS BEFORE FLUSHING THOROUGHLY AND RETURNING TO SERVICE. FURNISH CLEAN WATER SAMPLES TO THE LOCAL AUTHORITY FOR TESTING AFTER THE LINES HAVE BEEN DISINFECTED. THIS PROCEDURE TO BE IN ACCORDANCE WITH STATE PLUMBING CODE.
- E. CLEANUP: CLEAN ALL PLUMBING FIXTURES AND EQUIPMENT THOROUGHLY BEFORE FINAL INSPECTION, LEAVING ALL READY FOR USE.
- F. GUARANTEE: MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. DEFECTIVE WORK AND ALL DAMAGES CAUSED THEREBY WHICH MAY OCCUR DURING THE TERM OF THE AFOREMENTIONED GUARANTEE WILL BE REPAIRED AND/OR REPLACED AT NO EXPENSE TO THE OWNER.
- G. OWNER'S MANUAL: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL PRINTED MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTONS OR EQUIPMENT HOUSINGS.

FIRE STOPPING

WHEN REQUIRED BY LOCAL CODES OR ORDINANCES. CONTRACTOR SHALL BE

RESPONSIBLE FOR THE FOLLOWING:

- 1.1 SYSTEM DESCRIPTION
- A. SPECIFIED FIRESTOPPING SYSTEMS ARE BASED ON A SOLID SEALANT ONLY, OR COMBINATIONS OF SOLID SEALANT, FOAM SEALANT, AND REFRACTORY FIBERS OF THICKNESS REQUIRED TO ATTAIN HOUR RATINGS.
- B. SYSTEMS SHALL:
1. PROVIDE A FLEXIBLE SEAL TO PREVENT PASSAGE OF FIRE, SMOKE, TOXIC GASES AND WATER THROUGH OPENINGS, AND PREVENT TRANSMISSION OF SOUND AND VIBRATION FROM THE PENETRATING ELEMENT TO THE STRUCTURE.
2. PROVIDE HOUR RATINGS INDICATED AND IN ACCORDANCE WITH ASTM E 814 OR UL 1479.
- C. REGULATORY REQUIREMENTS:
1. PRODUCTS SHALL BE 100% ASBESTOS AND PCB FREE.
- 1.5 PROJECT CONDITIONS
- D. EXISTING CONDITIONS: VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. CORRECT UNSATISFACTORY CONDITIONS BEFORE PROCEEDING. PROCEED WITH INSTALLATION ONLY AFTER PENETRATIONS OF SUBSTRATES HAVE BEEN COMPLETED AND SUPPORTING BRACKETS INSTALLED.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. MANUFACTURERS: 3M, HILTI, NELSON, OR UL LISTED EQUALS.

PART 3 - EXECUTION

3.1 CONDITION OF SURFACES

- A. UNLESS OTHERWISE PERMITTED BY MANUFACTURER, DO NOT APPLY FIRESTOPPING MATERIALS TO POLYCARBONATES; MATERIALS THAT BLEED OILS, PLASTICIZERS OR SOLVENTS; ORGANO-METALLIC COMPOUNDS; SILICONE RUBBER CONTAINING ORGANO-TIN COMPOUND; SULFUR, POLYSULFIDES, POLYSULFONES AND OTHER SULFUR CONTAINING MATERIALS; AMINES, URETHANES AND AMINE-CONTAINING MATERIALS; AND UNSATURATED HYDROCARBON PLASTICIZERS.

- B. 3.2 PREPARATION
- C. THOROUGHLY CLEAN SURFACES AND SPACES TO RECEIVE FIRESTOPPING MATERIALS, REMOVING FOREIGN MATTER SUCH AS DIRT, DUST, MOISTURE, RUST, DO NOT USE CLEANING SOLVENTS WHICH LEAVE RESIDUE. WIPE JOINTS FREE OF SOLVENT USING CLEAN, DRY WHITE CLOTHS OR WHITE LINTLESS PAPER. DO NOT USE ALCOHOL OR ALCOHOL BASED MATERIALS. DO NOT PERMIT SOLVENT TO AIR DRY. DO NOT USE DETERGENTS OR SOAP AND WATER SOLUTIONS FOR CLEANING UNLESS SPECIFICALLY RECOMMENDED BY THE SEALANT MANUFACTURER.

- D. FOLLOW MANUFACTURER'S DIRECTIONS FOR SPECIFIC PRODUCTS AND SURFACES.

3.4 INSTALLATION

- A. INSTALL SYSTEMS IN ACCORDANCE WITH UL SYSTEMS, AND MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS, USING APPROVED EQUIPMENT AND SO AS TO ACHIEVE THE REQUIRED FIRE RATING.

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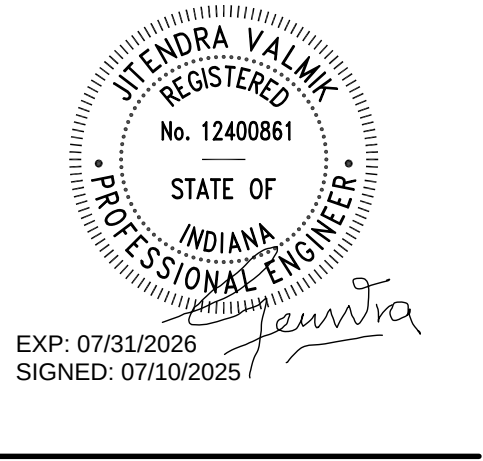
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REV	REV DESCRIPTION	DATE
1	ISSUE FOR PERMIT	07/09/2025



EXP: 07/31/2026
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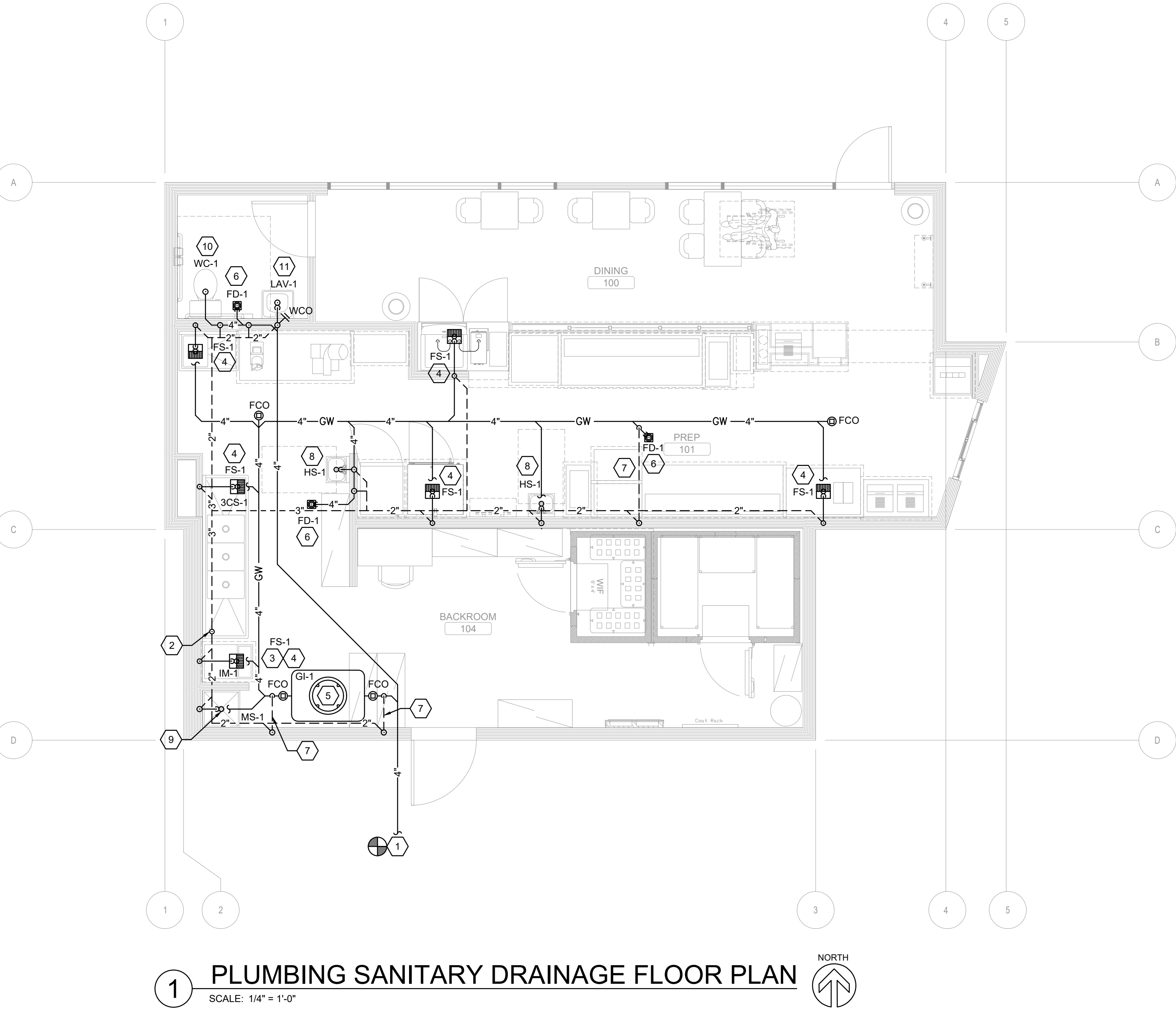
Drawn / Designed
Reviewed By:
Project Number:

SHEET NAME:

PLUMBING
SPECIFICATION

SHEET NUMBER:

JJP1.1



1 PLUMBING SANITARY DRAINAGE FLOOR PLAN
SCALE: 1/4" = 1'-0"

GREASE INTERCEPTOR CALCULATIONS

Project Name: JJ - BRAZIL, IN

Step 1: Flow rate to grease interceptor

Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
Prep Sink One Bowl	Prep Sink One Bowl	16" x 20" x 14"	1	4,480	7.27 GPM
3 Compartment Sink	3 Compartment Sink	18" x 24" x 14" (3)	1	18,144	29.45 GPM
Floor Drain	Floor Drain	N/A	3	N/A	0 GPM
Floor Sink	Floor Sink	N/A	6	N/A	0 GPM
Hand Sink	Hand Sink	14" x 10" x 5"	2	1,400	2.28 GPM
Mop Basin	Mop Basin	22" x 22" x 10"	1	4,840	7.86 GPM
Total					46.86 GPM

Step 2: Grease Production

Servings per day x Grease production value x Days between pump-outs = Grease output

Servings per day: 1000

Grease production value: 0.035 lbs per serving (Fried Chicken: High / No flatware)

Days between pump-outs: 90 days

1000 x 0.005 x 90 = 450 lbs of FOG

SCHIER MODEL	Description: GREASE INTERCEPTOR 75 GPM, 4" PLAIN/FPT CONNECTIONS, H-20 RATED PICKABLE CAST IRON COVER
GB-75	Dimensions: Length: 47", Width: 33", Height: 39.75" Flow Rate/Grease Capacity: 75 GPM / 861 lbs Liquid Capacity: 125 gal

Specification Note: This Great Basin model has been sized to the flow rate and grease production requirements of the application and may not be substituted by liquid capacity alone. Any substitution requests must be approved by the specifying engineer and the authority having jurisdiction.

Please contact support@schierproducts.com for technical and procurement support for the specified Great Basin model.

PLUMBING GENERAL NOTES

ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2012 INDIANA PLUMBING CODE. ALL PIPE, FITTINGS, TRAPS, FIXTURES, MATERIALS, AND DEVICES SHALL BE LISTED OR LABELED BY A THIRD-PARTY LISTING AGENCY AND COMPLY WITH THE APPLICABLE STANDARDS REFERENCED IN THE CODE.

ALL SANITARY DRAINAGE PIPE MUST BE SLOPED AT 1/4" PER FOOT MINIMUM.

FIXTURE VENTS MUST RISE WITHIN 45 DEGREES FROM THE VERTICAL AT LEAST 6" ABOVE THE FIXTURE FLOOD LEVEL BEFORE OFFSETTING HORIZONTALLY OR CONNECTING TO A BRANCH VENT.

SOIL, DRAIN, OR OTHER SUCH PIPES INSTALLED OVER AREAS WHERE FOOD OR DRINK WILL BE STORED, PREPARED, OR DISPLAYED MUST MEET , SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF JOISTS NECESSARY AND CONNECTED TO THE NEAREST ADEQUATELY SIZED VERTICAL STACK. PIPING SUBJECT TO OPERATION AT TEMPERATURES THAT WILL FORM CONDENSATION ON THE EXTERIOR OF THE PIPE SHALL BE THERMALLY INSULATED. WHERE PIPES ARE INSTALLED IN CEILINGS ABOVE SUCH AREAS, THE CEILING SHALL BE THE REMOVABLE TYPE, OR SHALL BE PROVIDED WITH ACCESS PANELS TO FORM A READY ACCESS FOR INSPECTION OF PIPING.

INDIRECT WASTE PIPES IN FOOD AND BEVERAGE ESTABLISHMENTS:

A) ICE MAKER DRAINS MUST BE THE LARGER OF THE DRAIN OUTLET OR 3/4".

B) FOOD-HANDLING FIXTURES SHALL BE TRAPPED, AND PIPED SEPARATELY DISCHARGING BY AN AIR GAP. THE DRAIN MUST BE THE LARGER OF THE EQUIPMENT OUTLET OR 3/4".

C) ALL OTHER INDIRECT WASTES MUST BE AT LEAST 1" IN SIZE.

D) EXCEPT FOR REFRIGERATION COILS AND ICE MAKERS, INDIRECT WASTE LENGTH MAY NOT EXCEED 15'.

PLUMBING FIXTURES RECEIVING INDIRECT DISCHARGE MUST BE APPROVED BY THE ADMINISTRATIVE AUTHORITY AND HAVE SHAPE AND CAPACITY TO PREVENT SPLASHING OR FLOODING.

TRAP PRIMERS MUST HAVE AN ASSE 1013 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER; AN ASSE 1020 PRESSURE VACUUM BREAKER; AN ASSE 1056 SPILL-PROOF VACUUM BREAKER; OR AN ASSE 1001 ATMOSPHERIC VACUUM BREAKER WITH NO SHUTOFF VALVE DOWNSTREAM. TRAP PRIMERS WITH INTEGRAL BACKFLOW PREVENTION ARE PERMITTED ONLY WHEN EQUIPPED WITH ONE OF THE ABOVE-LISTED BACKFLOW PREVENTERS.

HYDROMECHANICAL GREASE INTERCEPTORS MAY SERVE ONLY FIXTURES DISCHARGING GREASY WASTE. NO FOOD WASTE DISPOSER MAY BE CONNECTED UNLESS THE INTERCEPTOR IS DESIGNED TO RECEIVE FOOD WASTE. DISHWASHER CONNECTIONS ARE PROHIBITED. THE INTERCEPTOR MUST COMPLY WITH ASME A112.14.3, ASME A112.14.4, CSA B481, PDI G-101, OR PDI G-102 AND BE SO MARKED ON A PERMANENT IDENTIFICATION LABEL. THE INTERCEPTOR AND FLOW CONTROL MUST BE READILY ACCESSIBLE. A 15-MINUTE MANOMETER TEST AT 1-INCH OF WATER COLUMN IS REQUIRED AND MUST BE MAINTAINED IN EFFICIENT OPERATING CONDITION.

EACH HORIZONTAL DRAIN BRANCH ON OR BELOW THE FLOOR LEVEL OF THE BUILDING DRAIN SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL WITH THE FOLLOWING EXCEPTIONS:

A) A CLEANOUT IS NOT REQUIRED IF THE BRANCH IS LESS THAN FIVE FEET UNLESS IT SERVES SINKS OR URINALS.

B) A CLEANOUT IS NOT REQUIRED ON A DRAIN THAT IS 72 DEGREES OR LESS FROM THE VERTICAL UNLESS IT SERVES KITCHEN SINKS OR URINALS.

A CLEANOUT MUST BE PROVIDED FOR EACH TOTAL CHANGE OF DIRECTION EXCEEDING 135 DEGREES IN ANY HORIZONTAL DRAINAGE LINE. A CLEANOUT SHOULD BE PROVIDED WHERE NEW WASTE AND VENT PIPING CONNECTS WITH EXISTING FOR TESTING.

CAST IRON DRAIN, WASTE, AND VENT PIPE MUST COMPLY WITH ASTM A74, CISPI 301, OR ASTM A888. HUBLESS PIPE AND FITTINGS SHALL BE MARKED WITH COUNTRY OF ORIGIN, IDENTIFICATION OF THE ORIGINAL MANUFACTURER, AND AS REQUIRED BY REFERENCED STANDARDS.

PVC DRAIN, WASTE, AND VENT SYSTEMS:

A) PIPE MUST MEET ASTM D1785, D2665, F891, F1488, OR F1760.

B) JOINTS MUST BE MECHANICAL OR PUSH-ON WITH AN ASTM D3212 ELASTOMERIC SEAL, OR SOLVENT WELDED USING ASTM F856 PURPLE PRIMER AND ASTM D2564 SOLVENT CEMENT. SCHEDULE 80 PIPE MAY BE THREADED.

C) SUPPORT ABOVE-GROUND HORIZONTAL PIPES AT EACH HORIZONTAL BRANCH CONNECTION AND AT LEAST EVERY 4 FEET. ABOVE-GROUND RUNS MUST USE EXPANSION JOINTS EVERY 30 FEET.

PLUMBING KEY NOTES

- ROUTE TO CONNECT TO EXISTING SANITARY WASTE PIPING BELOW GRADE. VERIFY EXACT SIZE, INVERT ELEVATION, AND LOCATION IN FIELD PRIOR TO CONSTRUCTION. WHEN EXISTING CONDITIONS VARY FROM THOSE INDICATED ON THE PLANS, STOP AND CONTACT ARCHITECT/ENGINEER IMMEDIATELY FOR DIRECTION. THE OWNER/ENGINEER/ARCHITECT SHALL NOT BE RESPONSIBLE FOR CHANGES BEYOND THE CONSTRUCTION ISSUE. THIS SHALL INCLUDE LOCATING UTILITIES WHEN REQUIRED.
- CONNECT TO 4" VENT THROUGH ROOF FROM 3" VENT PIPING. VERIFY EXACT SIZE AND LOCATION IN FIELD PRIOR TO WORK.
- ROUTE DRAINS AND DRAIN FROM ICE MACHINE TO FLOOR SINK. DRAIN FROM ICE MACHINE AND ICE BIN MUST BE SEPARATELY ROUTED TO INDIRECTLY DISCHARGE TO FLOOR SINK.
- 2" DRAIN TO FLOOR SINK.
- PROVIDE NEW SCHIER GB-75 GREASE INTERCEPTOR. COORDINATE WITH LANDLORD AND LOCAL AUTHORITIES FOR EXACT LOCATION. VERIFY WITH LOCAL AUTHORITIES ON EXACT TYPE, SIZE, AND INSTALLATION OF GREASE INTERCEPTOR. PROVIDE WITH H-20 TRAFFIC RATED LIDS WHEN LOCATED IN A TRAFFIC ZONE. PROVIDE ALTERNATE BID FOR A DUPLEX SEWAGE EJECTOR LIFT STATION IF INVERT ELEVATION IS NOT ACHIEVABLE FOR GRAVITY DRAINAGE.
- 2" DRAIN TO FLOOR DRAIN.
- 2" VENT PIPING BELOW GRADE. FLAT VENTING IS STRICTLY PROHIBITED AND ALL VENTING SHALL SLOPE AT A MINIMUM OF 1/4" PER FOOT BACK TO THE DRAIN PER CODE.
- 2" DRAIN TO HAND SINK.
- 2" DRAIN TO MOP SINK.
- 4" DRAIN TO WATER CLOSET.
- 2" DRAIN TO LAVATORY.

EXISTING SANITARY SEWER CONDITIONS NOTE:

SANITARY SEWER PIPING SHOWN ON DRAWINGS IS DIAGRAMMATIC AND MAY DIFFER SLIGHTLY FROM ACTUAL FIELD CONDITIONS. PLUMBING CONTRACTOR (PC) SHALL COORDINATE WITH EXISTING FIELD CONDITIONS VIA A SANITARY VIDEO SURVEY/SCOPE TO DETERMINE THE EXACT SIZE, LOCATION, INVERT ELEVATIONS AT THE PROPOSED CONNECTIONS TO EXISTING PLUMBING SERVICES PRIOR TO BID/CONSTRUCTION. IF ACTUAL FIELD FINDINGS VARY SIGNIFICANTLY FROM THOSE AS INDICATED ON PLANS, PC SHALL NOTIFY GENERAL CONTRACTOR (GC) IMMEDIATELY PRIOR TO STARTING ANY WORK. THE OWNER SHALL NOT BE RESPONSIBLE FOR ADDITIONAL COSTS INCURRED BY FAILED COORDINATION AFTER CONSTRUCTION HAS BEGUN. PC SHALL BE RESPONSIBLE FOR UTILIZING A REPUTABLE UTILITY LOCATING SERVICE PRIOR TO ANY EXCAVATION.

NOTE:

VENTING ABOVE RIM HEIGHT, 6" MINIMUM

CONDENSATE OR SIMILAR LIQUID WASTES SHALL BE DRAINED INDIRECTLY TO A FLOOR SINK WITH A MINIMUM 1 INCH AIR GAP FROM THE LIP OF THE BASIN.

NOTE:

THE LOCATION OF THE GREASE TRAP AS SHOWN IS FOR COORDINATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS DURING THE BIDDING PHASE OF THIS PROJECT AND ASSIGN ALL APPLICABLE COST WHEN NOT INDICATED. VERIFY WITH LOCALITY IF ADDITIONAL SAMPLING PORT OR SAMPLE TEE IS REQUIREMENT.

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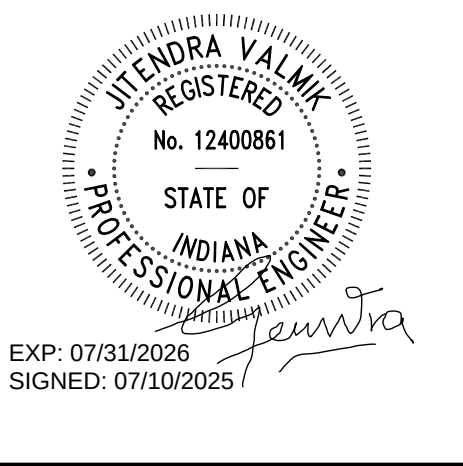
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**PLUMBING
SANITARY
DRAINAGE FLOOR
PLAN**

SHEET NUMBER:

JJP1.2

EXISTING WATER SERVICE CONDITIONS NOTE:

WATER PRESSURE IS SHOWN AS DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY EXISTING WATER PRESSURE IN FIELD PRIOR TO ANY WORK AND PIPING ROUGH IN. IF DISCOVERED ON SITE THAT EXISTING WATER PRESSURE IS LESS THAN 65 PSI, CONTACT ENGINEER IMMEDIATELY FOR PIPING DESIGN CHANGES. IF PRESSURE IS GREATER THAN 80 PSI PROVIDE PRESSURE REDUCING VALVE AND REDUCE DOWN TO 70 PSI. CONTACT ENGINEER IMMEDIATELY WITH FINDINGS IF LOW PRESSURE (BELOW 40 PSI) EXISTS FOR PIPING DESIGN CHANGES.

PRIOR TO WORK VERIFY INCOMING WATER QUALITY TO SPACE. WHEN INCOMING WATER IS ABOVE 3.5 GRAINS PER GALLON (60 PARTS PER MILLION) SCALE BUILD-UP WILL FORM INSIDE THE PLUMBING SYSTEM CAUSING DAMAGE TO SYSTEM COMPONENTS AND COPPER PIPE. TO AVOID DAMAGE DUE TO SCALE BUILD-UP, EITHER A WATER SOFTENER OR ANTI-SCALE DEVICE SHOULD BE INSTALLED AT POINT-OF-ENTRY. APPLICATIONS WHERE THERE IS A CONCERN FOR WATER SPOTS ON GLASS SHOWER DOORS, GLASS DISHES, VEHICLES IN CARWASHES, ETC., AND/OR THE EFFECTS OF HARD WATER ON HUMAN SKIN, A WATER SOFTENER SHOULD BE USED INSTEAD OF AN ANTI-SCALE DEVICE. ANTI-SCALE DEVICES REDUCE THE FORMATION OF SCALE IN A PLUMBING SYSTEM BUT DO NOT REMOVE THE CALCIUM AND MAGNESIUM FROM THE WATER, WHICH WILL REMAIN ONCE THE WATER HAS EVAPORATE LEAVING WATER SPOTS AND/OR DRYING OUT HUMAN SKIN. WATER SOFTENERS REMOVE CALCIUM AND MAGNESIUM FROM THE WATER BUT REQUIRE ROUTINE REFILLING OF SALT LEVELS IN THE BRINE TANK.

BACK FLOW PREVENTER ASSEMBLY REQUIREMENTS

TYPE OF EQUIPMENT ON SYSTEM	METHOD OF CROSS CONNECTION CONTROL	MANUFACTURE AND MODEL NUMBER	REMARKS
CARBONATOR SODA SYSTEM	ATMOSPHERIC CHECK VALVE	WATTS SD3LF ASSE 1022/1024 CERT.	STAINLESS STEEL BODY WITH QUARTER TURN VALVE SS STRAINER.
ICE MACHINE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-909-QT-S	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
TEA MACHINE	DOUBLE CHECK VALVE ASSEMBLY	WATTS SD3LF ASSE 1022/1024 CERT.	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
WATER SERVICE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-919-QT	LEAD FREE CAST COPPER WITH QUATER TURN
1. CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT. 2. EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS. 3. BRONZE BODIED BACKFLOW PREVENTERS ARE PERMISSIBLE IF ALLOWED BY LOCAL CODES.			

GAS LOAD SUMMARY

SYSTEM		DESIGNATION	EQUIPMENT	MBH
DOMESTIC WATER HEATING		GWH-1	WATER HEATER	200
		SUB-TOTAL		200
BUILDING HEATING		RTU-1	ROOF TOP UNIT	150
		SUB-TOTAL		150
		TOTAL NATURAL GAS CONNECTED LOAD		
GAS METER REQUIREMENTS	MBH CAPACITY			350
	TOTAL DEVELOPED LENGTH INCLUDING EQUIVALENT PIPE LENGTH FOR FITTING AND VALVE FRICTION LOSSES TO GAS METER.			28 FT X 1.2= 34 FT
	CONSULT GAS UTILITY COMPANY FOR REGULATOR RATING			
	INCOMING GAS SERVICE, PRESSURE REGULATOR, AND METER BY GAS UTILITY COMPANY TO DELIVER INDICATED GAS FLOW RATE @ 2.0 PSI DOWNSTREAM OF PRESSURE REGULATOR AND METER.			

PLUMBING GENERAL NOTES

BEVERAGE DISPENSERS, CARBONATED BEVERAGE MACHINES, AND COFFEE MAKERS MUST BE SUPPLIED THROUGH AN AIR GAP OR AN ASSE 1022 BACKFLOW PREVENTER WITH ACCESS AND CLEARANCE PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. NO COPPER TUBING MAY BE INSTALLED DOWNSTREAM OF THE BACKFLOW PREVENTER SERVING A POST-MIX CARBONATOR TO PRECLUDE COPPER POISONING. WATER SUPPLY CONNECTIONS TO FIXTURES OR EQUIPMENT WHICH HAVE INLETS BELOW THE SPILL LINE MUST BE PROVIDED WITH AN APPROVED BACKFLOW PREVENTER.

A HOSE THREAD WATER OUTLET WITHOUT LISTED INTEGRAL BACKFLOW PREVENTION MUST BE PROVIDED WITH AN ASSE 1052 NON-REMOVABLE HOSE BIBB-TYPE BACKFLOW PREVENTER; AN ASSE 1011 NON-REMOVABLE HOSE BIBB TYPE VACUUM BREAKER; OR AN ASSE 1001 ATMOSPHERIC VACUUM BREAKER ON THE DISCHARGE SIDE OF THE LAST CONTROL VALVE AT LEAST 6 INCHES ABOVE THE HIGHEST POINT OF USAGE.

VALVES SHOULD BE INSTALLED PERMITTING THE WATER SUPPLY TO EACH INDIVIDUAL FIXTURE TO BE SHUT OFF WITHOUT DISRUPTING ANY OTHER PORTION OF THE BUILDING. AN ACCESSIBLE CONTROL VALVE SHALL BE INSTALLED AHEAD OF EACH SLIP JOINT CONNECTION AT A PLUMBING FIXTURE.

THE INSTALLATION OF REDUCED PRESSURE PRINCIPLE ASSEMBLIES, DOUBLE CHECK VALVE ASSEMBLIES, PRESSURE VACUUM BREAKERS, OR SPILL-PROOF VACUUM BREAKERS IS PERMITTED ONLY WHEN A TESTING AND INSPECTION PROGRAM ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY IS PROVIDED. THE ADMINISTRATIVE AUTHORITY MUST BE NOTIFIED PRIOR TO INSTALLATION AND THE WATER PURVEYOR WITHIN 30 DAYS OF INSTALLATION. DEVICES MUST BE TESTED UPON INITIAL INSTALLATION AND NOT LESS THAN ANNUALLY, AND RECORDS MUST BE KEPT. INSTALLATIONS MUST BE AT LEAST 12 INCHES AND NOT MORE THAN 5 FEET ABOVE THE FINISHED FLOOR OR GROUND LEVEL UNLESS A PERMANENT PLATFORM FOR ACCESS IS PROVIDED. A BACKFLOW PREVENTION FACT SHEET

EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BY APPROVED SAFETY DEVICES IN ACCORDANCE WITH CODES. DISCHARGE PIPING SHALL BE AN APPROVED TEMPERATURE-RATED MATERIAL THE SAME SIZE AS THE VALVE OUTLET TERMINATING BY AIR GAP WITHIN 18 INCHES OF THE FLOOR OR A SAFE PLACE OF DISPOSAL. WATER HEATERS MUST BE ACCESSIBLE WITH SUFFICIENT CLEARANCE FOR MAINTENANCE AND REPAIR.

COPPER WATER DISTRIBUTION PIPE MUST MEET ASTM B42, B43, B75, B88, B135, B251, B302, OR B447. PUSH-FIT FITTINGS MUST COMPLY WITH ASSE 1061. PRESS-CONNECT FITTINGS MUST MEET ASME B16.51. THESE FITTINGS MUST BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

CROSS-LINK POLYETHYLENE (PEX) WATER DISTRIBUTION SYSTEMS: A. THE TUBING MUST COMPLY WITH ASTM F876, ASTM F877, OR CSA B137.5. B. ASTM F876 TUBING MUST BE MARKED WITH THE STANDARD OF THE FITTINGS TO BE USED. C. THE FITTINGS MUST BE MARKED WITH ASSE 1061, ASTM F877, ASTM F1807, ASTM F1960, ASTM F1961, ASTM F2080, ASTM F2159, ASTM F2735, OR CSA B137.5.

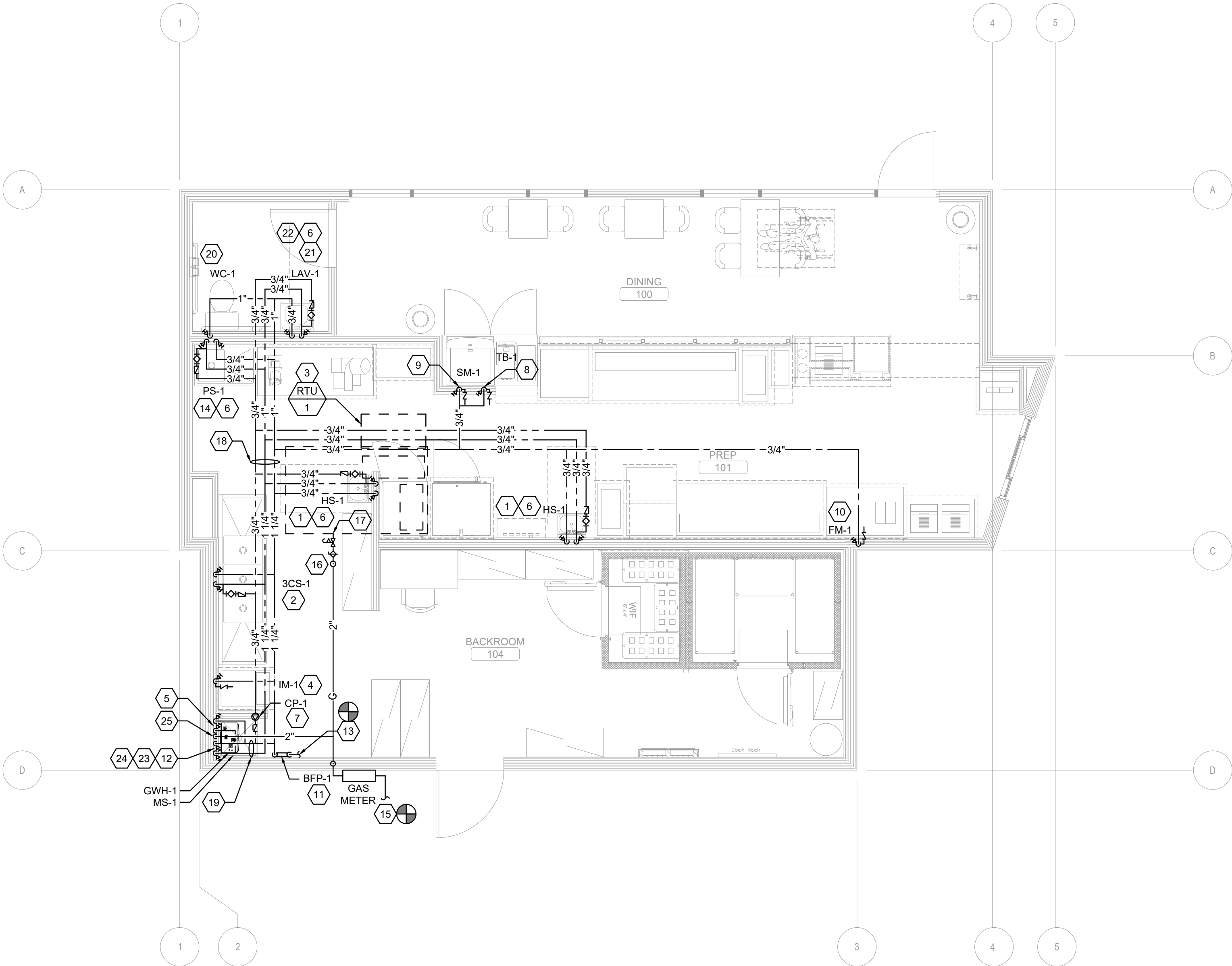
ALL MATERIALS USED IN POTABLE WATER SYSTEMS MUST MEET THE REQUIREMENTS OF NSF 61. PIPE AND FITTINGS WITH LEAD CONTENT MUST NOT EXCEED 0.25 PERCENT LEAD IN THE WETTED SURFACE MATERIAL. SOLDER AND FLUX SHALL CONTAIN LESS THAN 0.2 PERCENT LEAD. JOINTS MUST USE ASTM B813 NON-CORROSIVE NON-TOXIC PASTE-TYPE FLUX.

PIPE HANGERS AND SUPPORTS SHALL COMPLY WITH LOCAL STANDARD CODES.

THE PLUMBING SYSTEM SHALL BE TESTED. THE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED.

PLUMBING KEY NOTES

- 1/2" HOT AND COLD WATER LINES FOR S/S HAND SINK, PROVIDE CONNECTION AND BACKFLOW PREVENTER AS REQUIRED IF ONE IS NOT INTEGRAL TO THE ECOLAB.
- 3-COMPARTMENT SINK AND FAUCETS PROVIDED BY OWNER AND INSTALLED BY PLUMBING CONTRACTOR.
- ROUTE 1" A/C CONDENSATE DRAIN CONDUIT TO DISCHARGE INTO ROOF GUTTER/DRAIN.
- 1/2" COLD WATER TO ICE MACHINE, PROVIDE BACKFLOW PREVENTER AND WATER FILTER.
- 3/4" (140°F) HOT AND COLD WATER TO MOP SINK.
- THERMOSTATIC MIXING VALVE (MV-1) SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR. SET WATER TEMPERATURE FOR 110°F MAXIMUM.
- CIRCULATION PUMP.
- 1/2" COLD WATER TO TEA BREWER, PROVIDE BACKFLOW PREVENTER AND WATER FILTER.
- 1/2" COLD WATER TO SODA MACHINE, PROVIDE BACKFLOW PREVENTER AND WATER FILTER.
- 1/2" COLD WATER TO FOUNTAIN MACHINE, PROVIDE BACKFLOW PREVENTER AND WATER FILTER.
- PROVIDE LF919QT BACKFLOW PREVENTER & PRV. ROUTE RELIEF PIPING TO DRAIN INDIRECTLY INTO MOP SINK. DISCHARGE INDIRECTLY INTO MOP BASIN.
- GAS WATER HEATER, SEE WATER HEATER DETAIL 1 ON SHEET PJJ1.5. SET WATER TEMPERATURE FOR 140°F MAXIMUM.
- ROUTE NEW 1-1/2" COLD WATER LINE TO CONNECT TO EXISTING WATER SERVICE TO SPACE. VERIFY EXACT LOCATION AND SIZE IN FIELD PRIOR TO WORK. CONTACT ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. VERIFY WITH LANDLORD AND WATER COMPANY EXACT CONNECTION AND METER REQUIREMENTS PRIOR TO WORK.
- 1/2" COLD AND HOT WATER LINES TO PREP SINK. SINK AND FAUCETS PROVIDED BY OWNER AND INSTALLED BY PLUMBING CONTRACTOR.
- ROUTE TO CONNECT TO GAS METER. VERIFY WITH GAS COMPANY EXACT CONNECTION AND METER INSTALLATION REQUIREMENTS PRIOR TO WORK. GAS PRESSURE SHALL BE 2 PSI MINIMUM.
- GAS PIPE UP TO ROOF TO MECHANICAL EQUIPMENTS.
- ROUTE GAS PIPING TO ROOF TOP AIR UNITS. PROVIDE GAS COCK, PRESSURE REDUCING VALVE & UNION PRIOR TO CONNECTION TO EQUIPMENT.
- 1 1/4" COLD WATER PIPE, 1 1/4" HOT WATER PIPE AND 3/4" HOT WATER RETURN PIPE.
- 1 1/2" COLD WATER PIPE AND 1 1/2" HOT WATER PIPE.
- 3/4" COLD WATER TO WATER CLOSET.
- 1/2" COLD AND HOT WATER TO LAVATORY.
- 1/2" CW TO WALL MOUNTED TRAP PRIMER, SEE WATER RISER DIAGRAM SHEET JJP1.4. PROVIDE ONLY WHEN TRAP GUARD IS NOT PERMITTED.
- 3"PVC INTAKE PIPE THROUGH ROOF FOR WATERHEATER. REFER TO DETAIL 1 ON SHEET JJP1.5. INSTALL PER MANUFACTURER RECOMMENDATION.
- 5" CPVC OR PVDF FLUE PIPE THROUGH ROOF FOR WATER HEATER. REFER TO DETAIL 1 ON SHEET JJP1.5. OFFSET FOR MINIMUM 10'-0" CLEARANCE FROM OUTSIDE AIR INTAKE. MOUNT AS HIGH AS POSSIBLE.
- 1" GAS DOWN TO GWH.



1 PLUMBING DOMESTIC WATER AND GAS FLOOR PLAN
SCALE: 1/4" = 1'-0"



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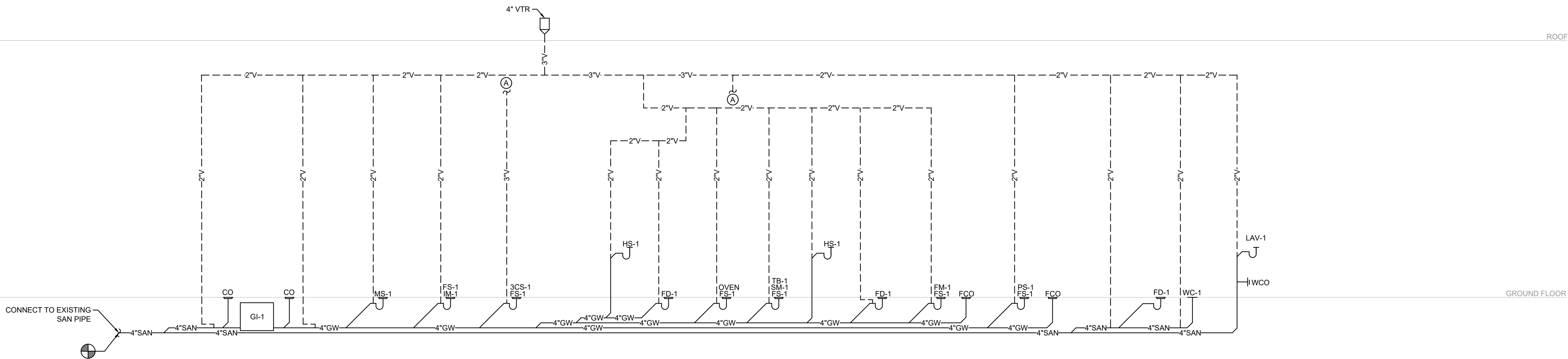
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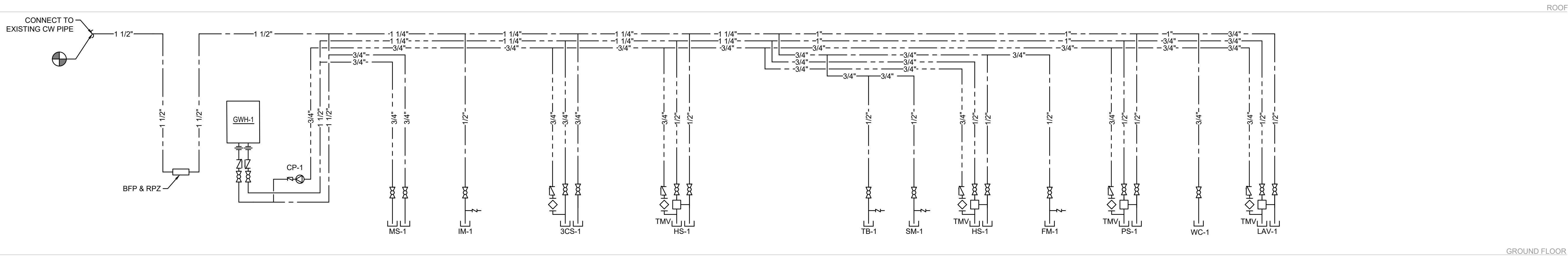
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PLUMBING
DOMESTIC WATER
AND GAS FLOOR
PLAN

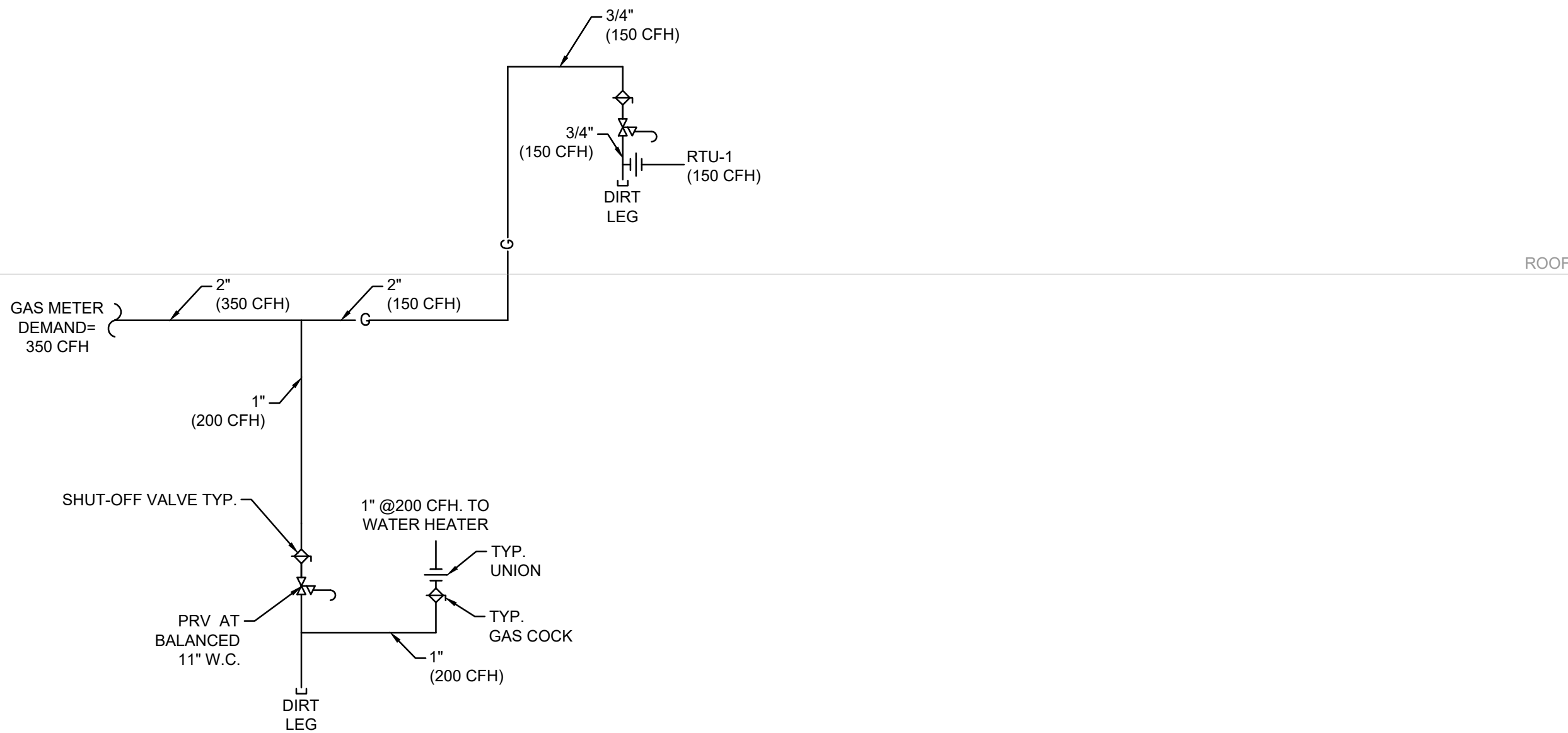
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JJP1.3



1 DRAINAGE AND VENT RISER DIAGRAM
SCALE: N.T.S.



2 WATER RISER DIAGRAM
SCALE: N.T.S.



TOTAL GAS DEMAND: 350 CFH
TDL: 34 FT
INLET PRESSURE: LESS THAN 2 PSI
PRESSURE DROP: 0.5 IN W.C.
SPECIFIC GRAVITY 0.60

GAS PIPE SIZED AS PER THE TABLE
402.4 (2) 2014 IFGC

NOTE:

INCOMING GAS SERVICE, PRESSURE REGULATOR,
AND METER BY GAS UTILITY COMPANY TO DELIVER
INDICATED GAS FLOW RATE @ 2.0 PSI DOWNSTREAM
OF PRESSURE REGULATOR AND METER.

GAS PIPING NOTES:

- REFER PLUMBING SPECIFICATION SHEET FOR GAS PIPE & FITTING MATERIAL.
- GAS COCKS TO BE SUITABLE FOR GAS SERVICE.
- INTERIOR GAS PIPING SHALL NOT RUN IN OR THROUGH AN AIR DUCT, CLOTHES CHUTE, CHIMNEY OR VENT, VENTILATING DUCT, DUMBWAITER, ELEVATOR SHAFT, OR CONCEALED PLENUM.
- PIPING SHALL NOT BE LOCATED IN SOLID PARTITIONS OR SOLID WALLS, UNLESS INSTALLED IN A CHASE OR CASING.
- PIPING INSTALLED IN CONCEALED LOCATIONS SHALL BE WELDED.
- PIPING SHALL NOT BE USED AS A GROUNDING ELECTRODE.
- PIPING INSTALLED THROUGH A MASONRY WALL SHALL BE ENCASED IN A SLEEVE. THE SLEEVE SHALL BE SEALED AT THE OUTSIDE OF THE FOUNDATION WALL TO PREVENT ENTRY OF WATER. GAS PIPING SHALL NOT PENETRATE A BUILDING FOUNDATION WALL BELOW GRADE.
- PROVIDE PIPE SUPPORT FOR ROOFTOP GAS PIPING. MAINTAIN MAXIMUM LOAD WEIGHT AND SPACING AS RECOMMENDED BY MANUFACTURER.
- GAS PRESSURE REGULATORS THAT REQUIRE A VENT SHALL HAVE AN INDEPENDENT VENT TO THE OUTSIDE OF THE BUILDING. THE VENT SHALL BE TERMINATED SO AS TO PREVENT THE ENTRY OF WATER OR FOREIGN OBJECTS.

GAS PRESSURE REGULATOR VENT NOTE

GAS PRESSURE REGULATORS INSTALLED INDOORS
SHALL HAVE FULL SIZED VENT PIPED TO OUTDOORS
AND TERMINATE WITH SCREENED ELBOW TURNED
DOWN A MINIMUM OF 12" ABOVE ROOF OR GRADE.

3 GAS RISER DIAGRAM
SCALE: N.T.S.

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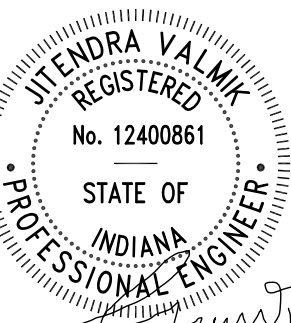
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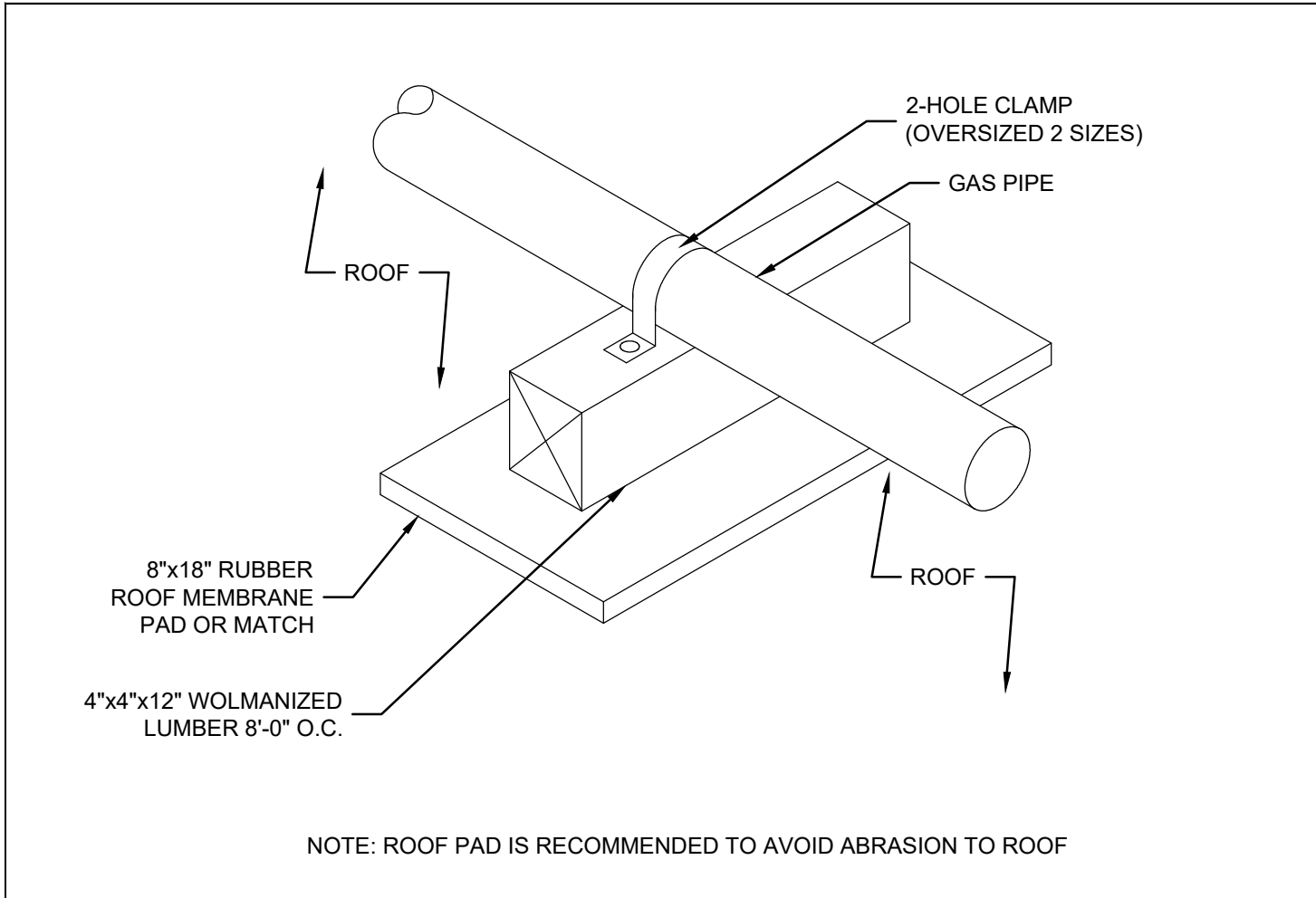
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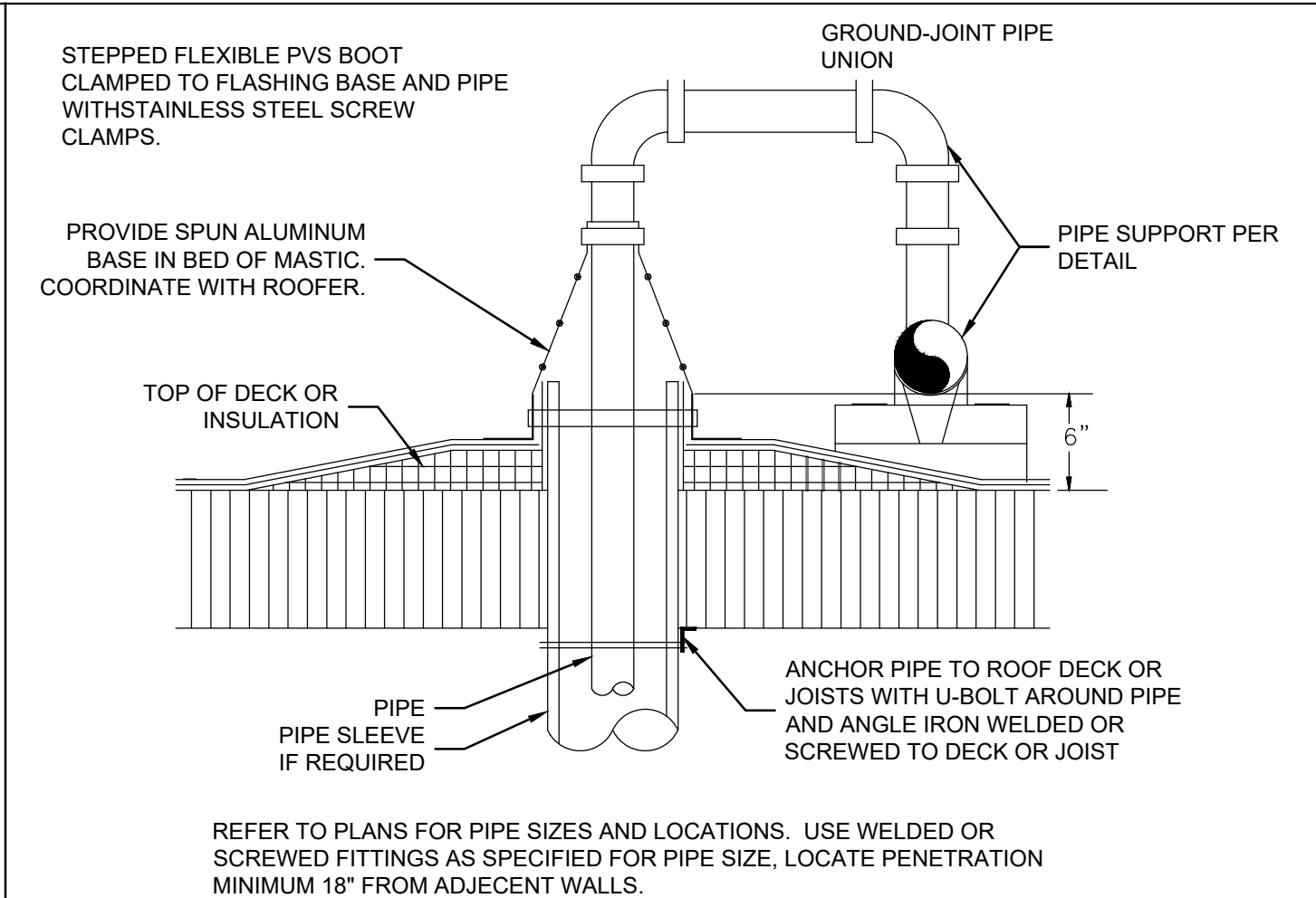
PLUMBING RISER
DIAGRAM

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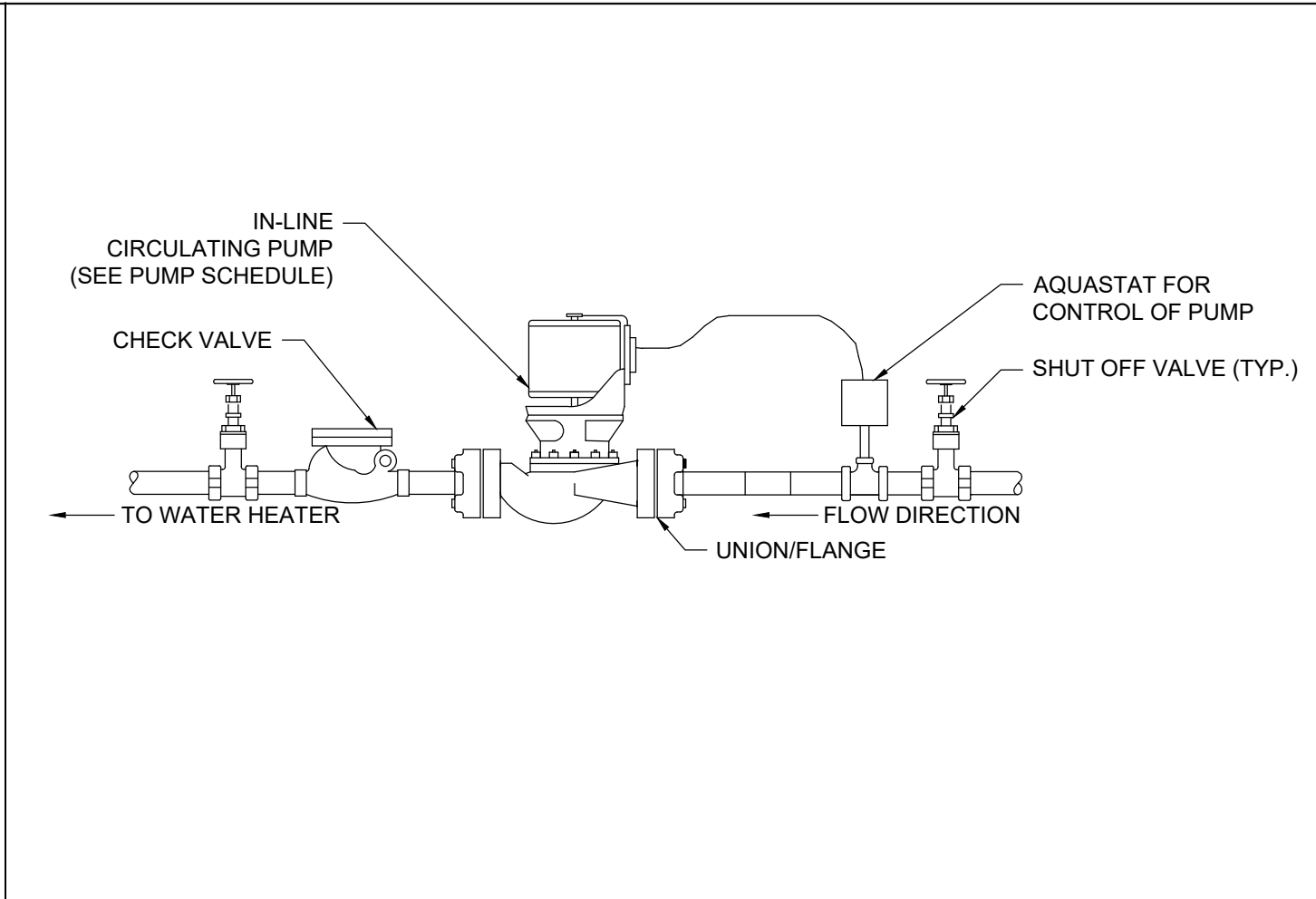
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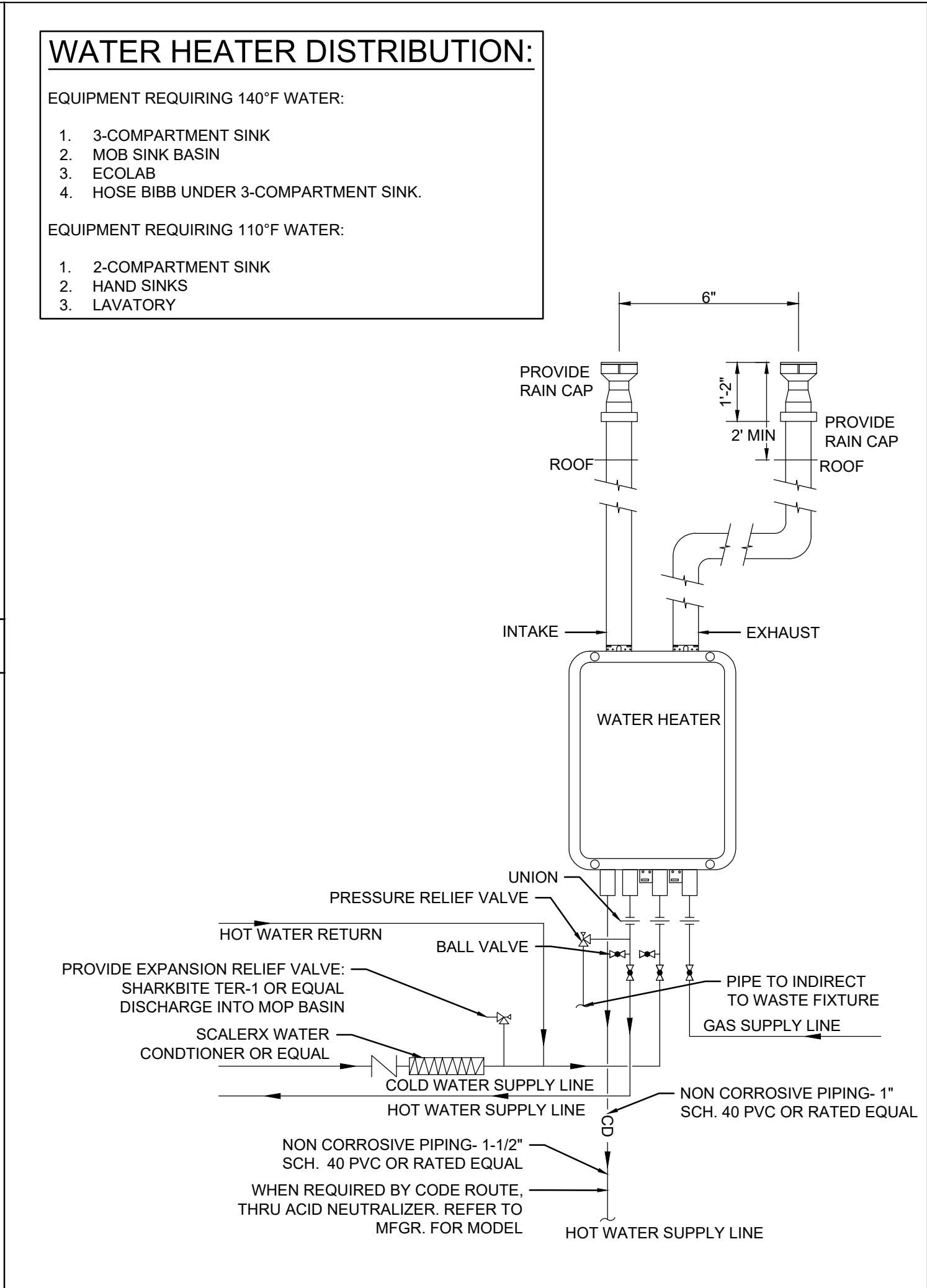
GAS MOUNTING DETAIL



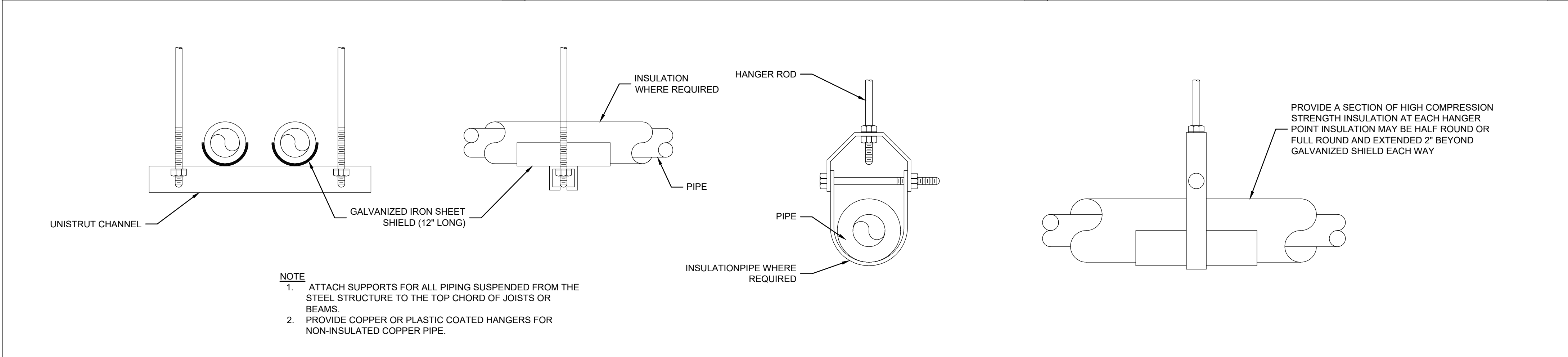
ROOF PENETRATION DETAIL



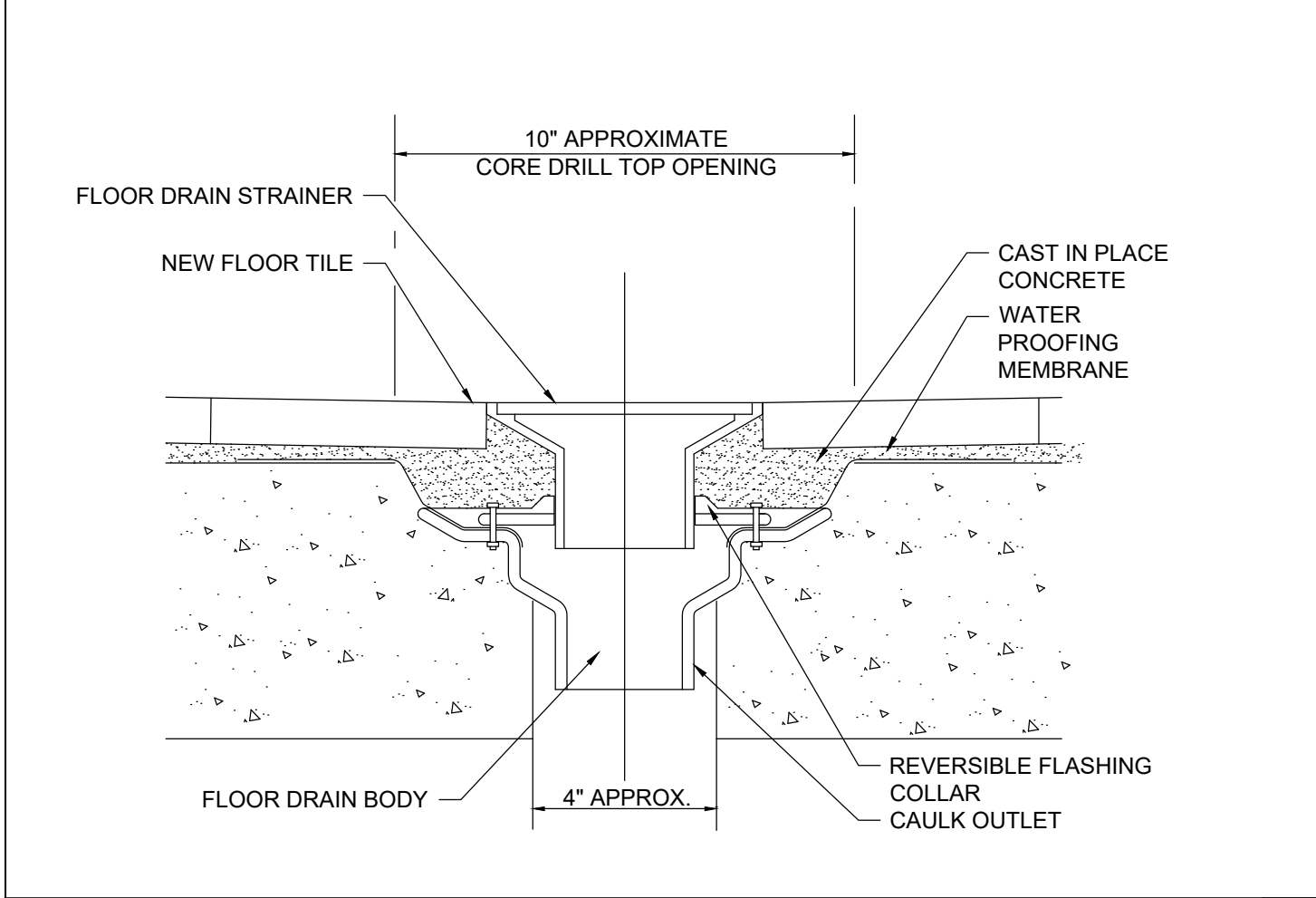
HOT WATER RECIRCULATION PUMP DETAILS



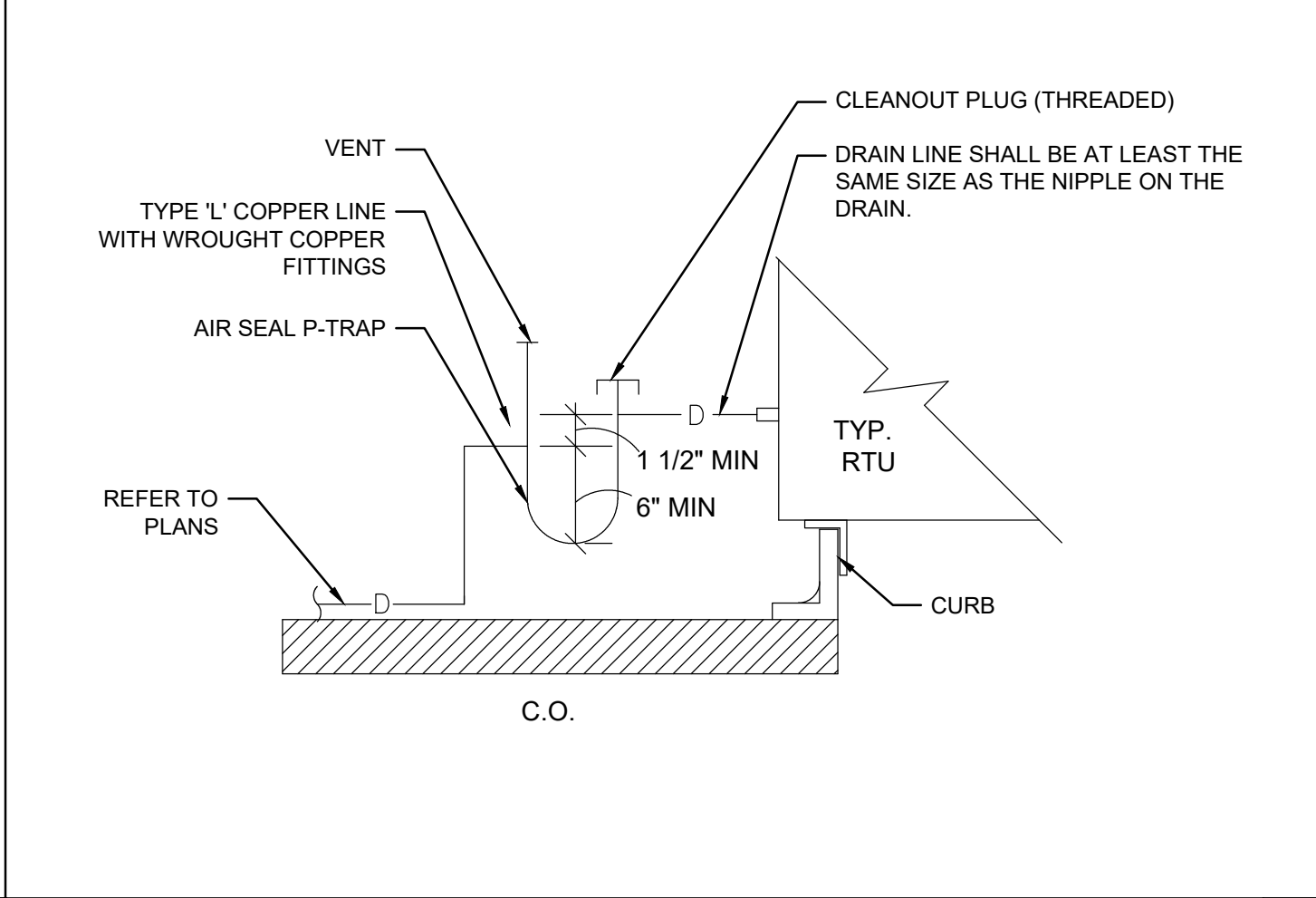
WATER HEATER DETAIL



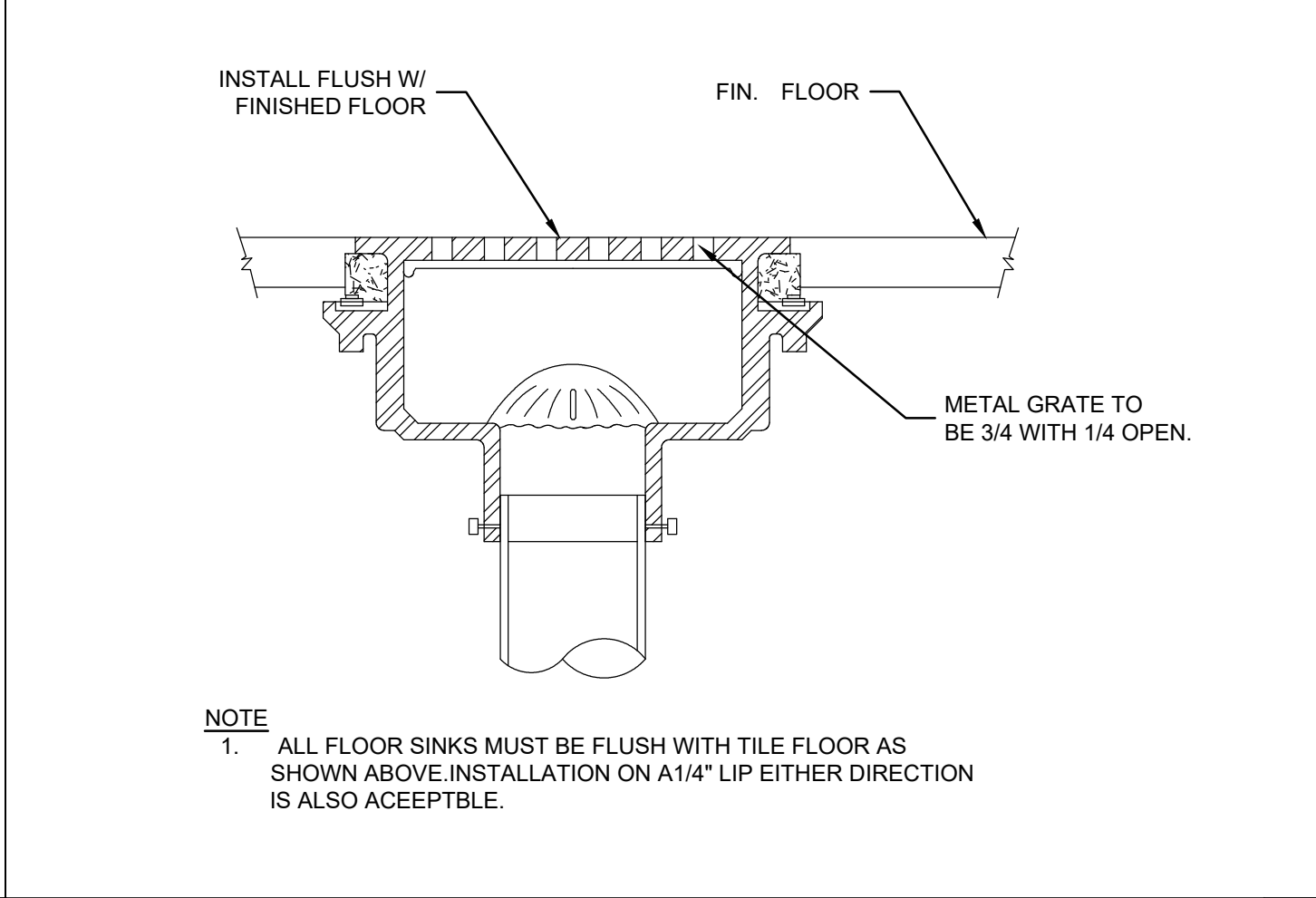
PIPE HANGER DETAIL



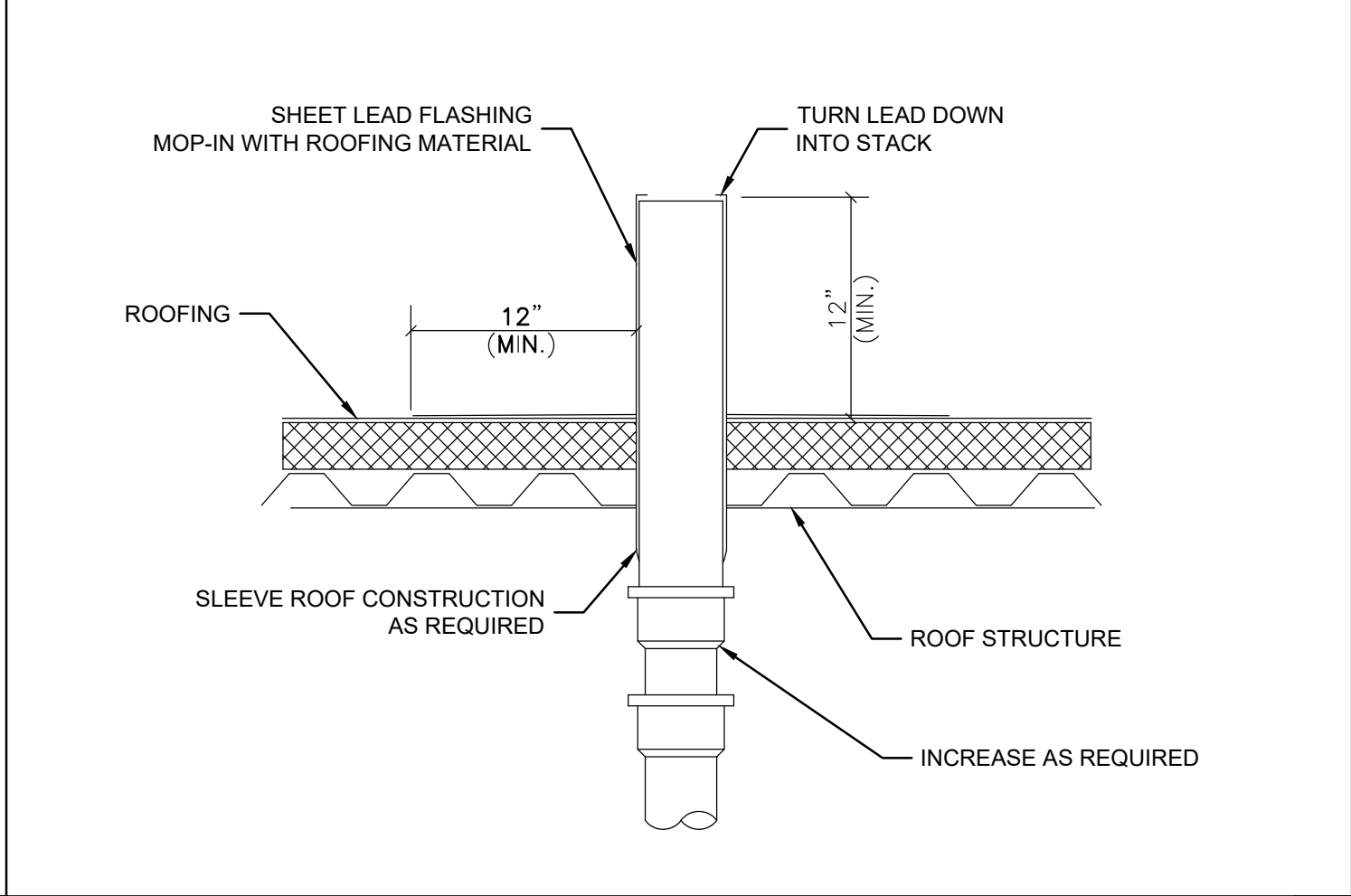
FLOOR DRAIN DETAIL



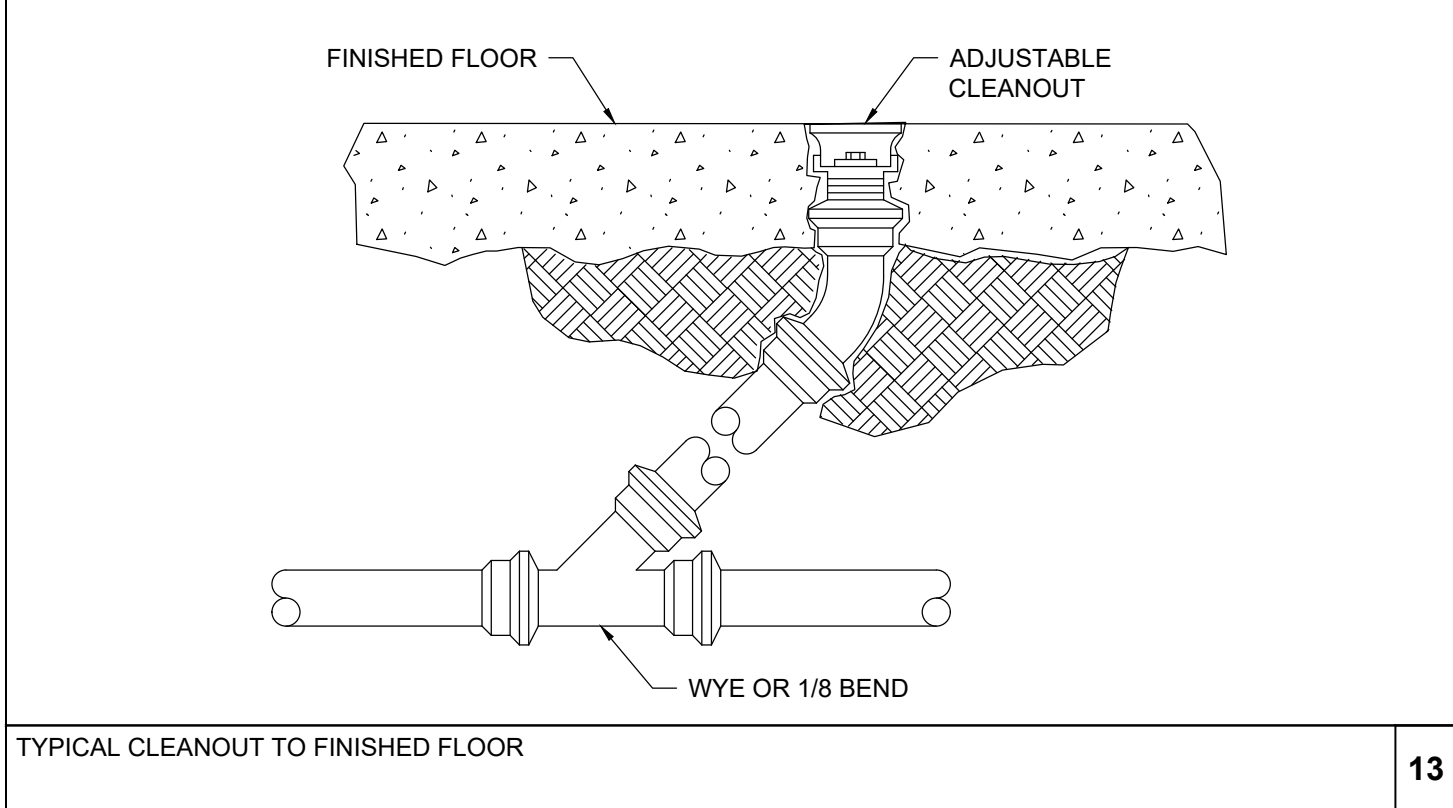
RTU CONDENSATE PIPING DETAIL



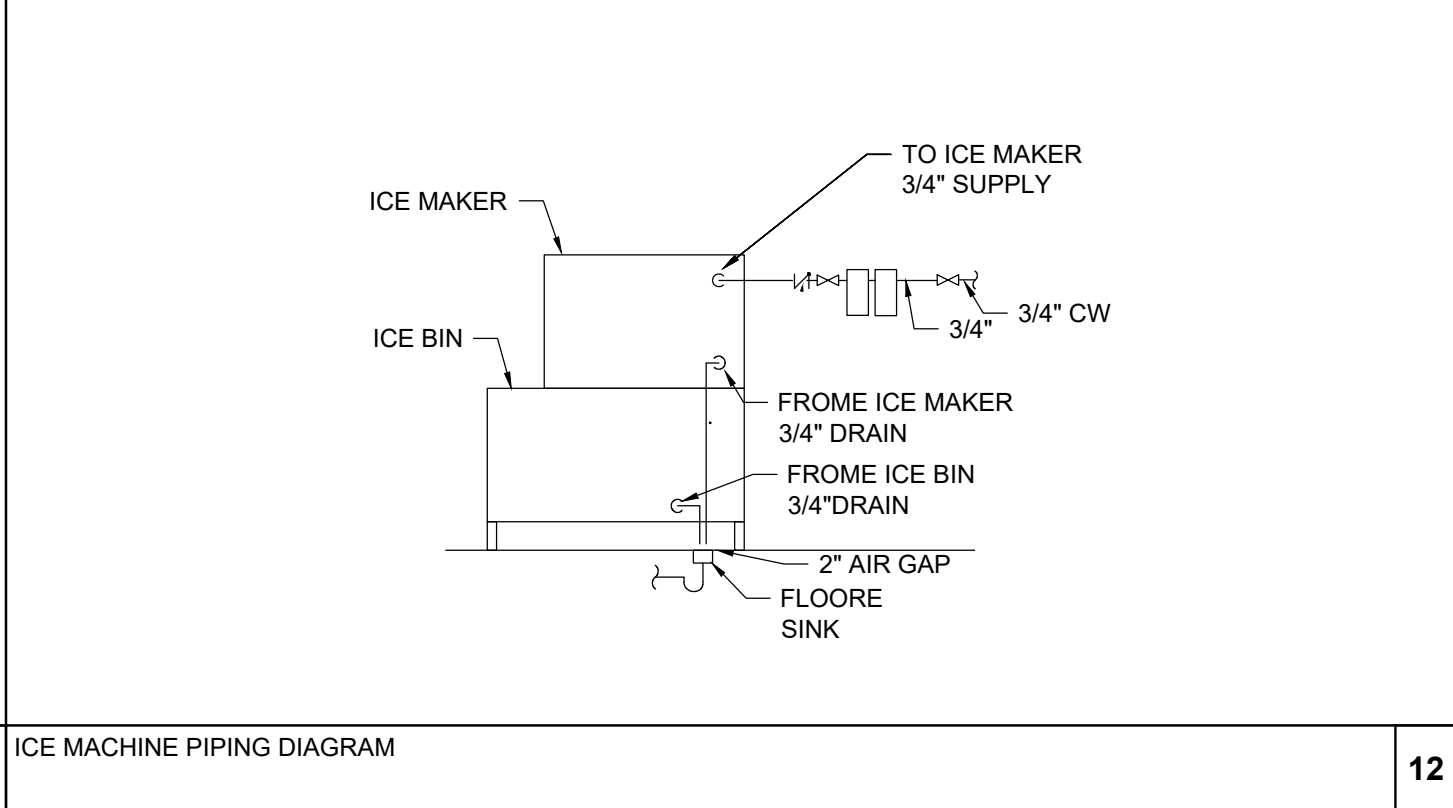
FLOOR SINK DETAILS



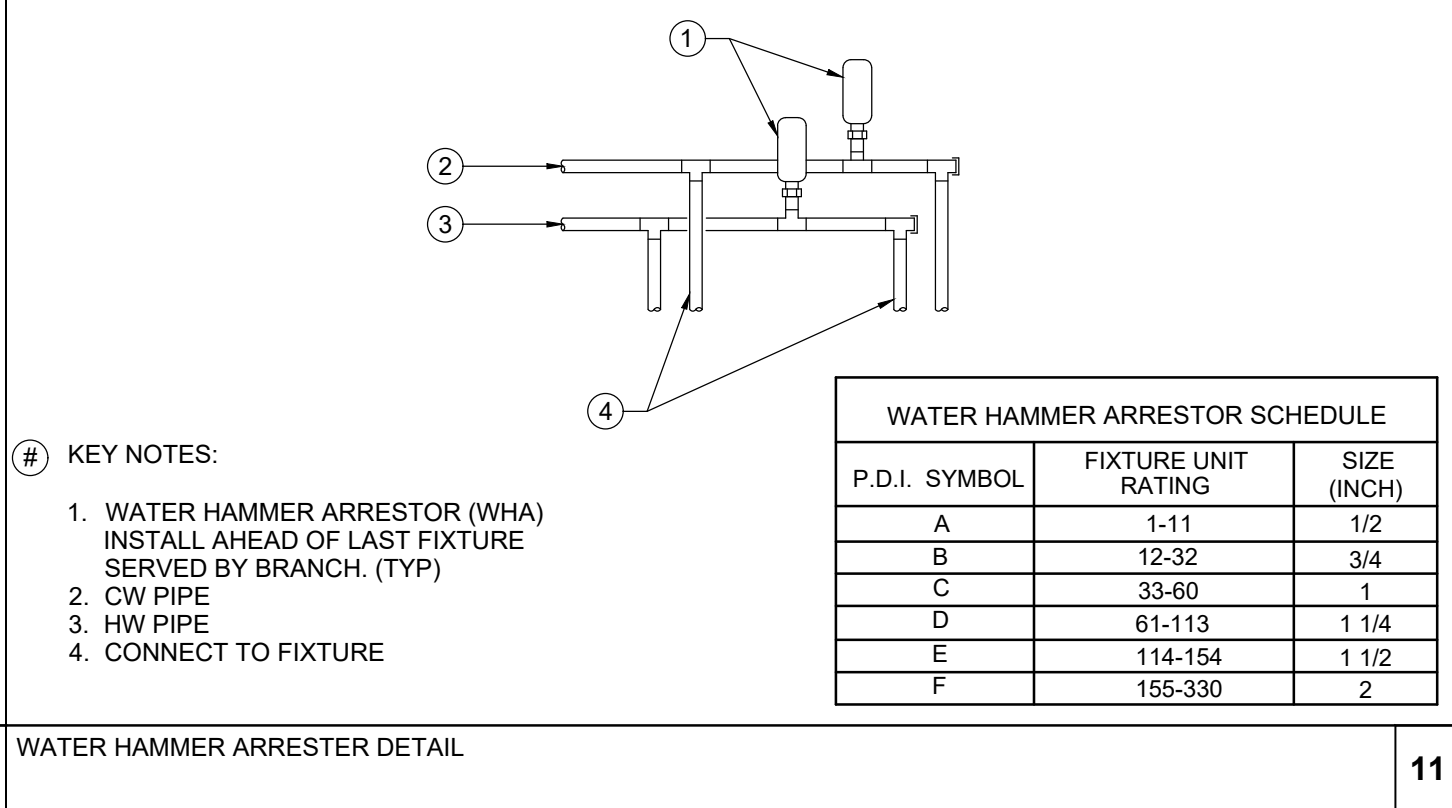
VENT THRU ROOF DETAIL



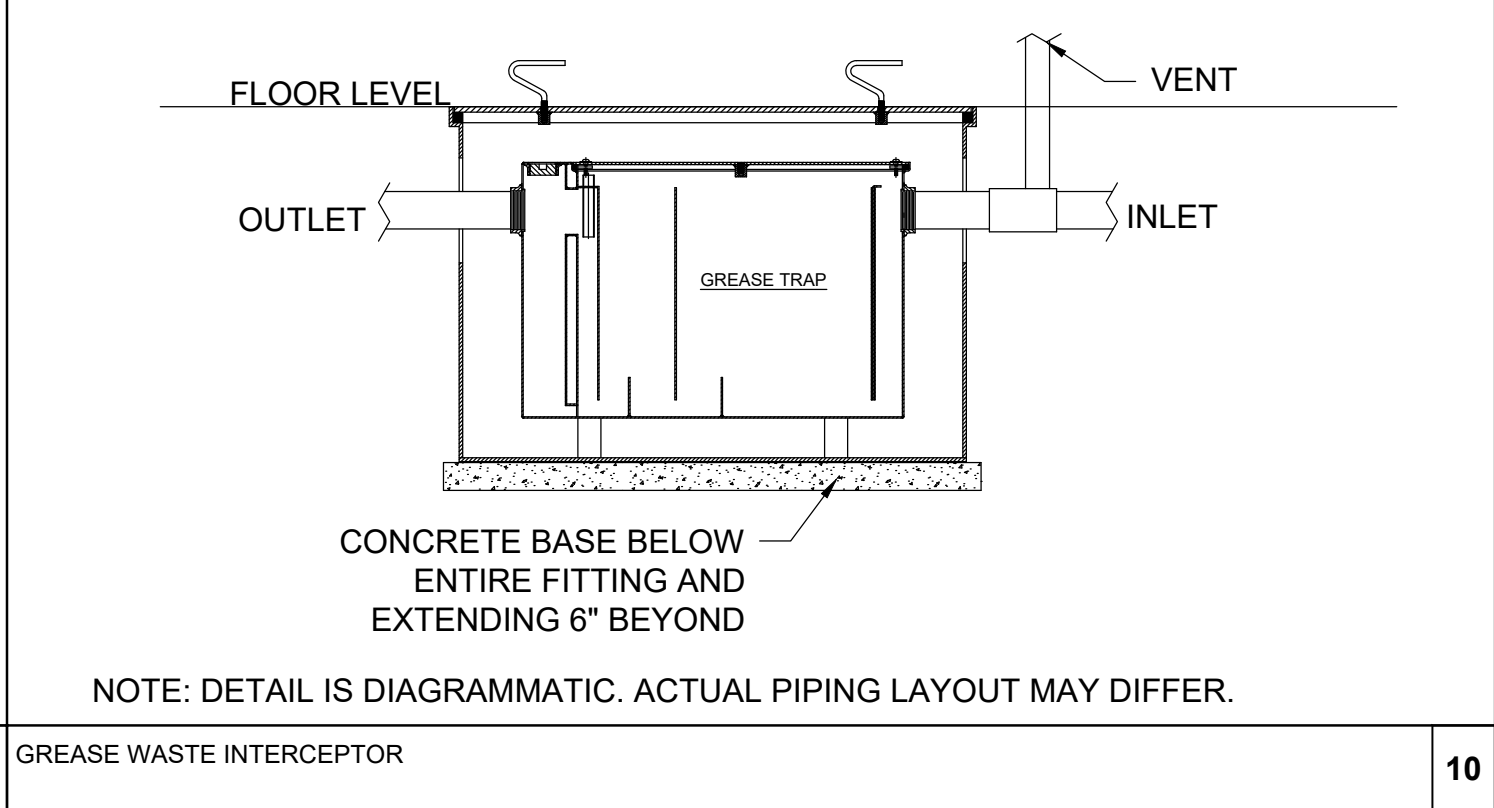
TYPICAL CLEANOUT TO FINISHED FLOOR



ICE MACHINE PIPING DIAGRAM



WATER HAMMER ARRESTOR DETAIL



GREASE WASTE INTERCEPTOR

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PLUMBING DETAILS

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PLUMBING FIXTURE DEMAND TABULATION												
FIXTURE	DESCRIPTION	OCCUPANCY	QTY.	DRAINAGE FIXTURE UNITS	SUB- TOTAL	LOAD VALUES IN WATER (EACH) SUPPLY FIXTURE UNITS (WSFU)			LOAD VALUES IN WATER (TOTAL) SUPPLY FIXTURE UNITS (WSFU)			REMARK
						COLD	HOT	TOTAL	COLD	HOT	TOTAL	
FS-1	FLOOR SINK	PUBLIC	6	2.00	12.00	-	-	-	-	-	-	
FD-1	FLOOR DRAIN	PUBLIC	2	2.00	4.00	-	-	-	-	-	-	
WC-1	WATER CLOSET, FLUSH TANK (1.28 GPF WATER CLOSET)	PUBLIC	1	4.00	4.00	5.00	-	5.00	5.00	-	5.00	
LAV-1	LAVATORY	PUBLIC	1	1.00	1.00	1.50	1.50	2.00	1.50	1.50	2.00	
3CS-1	THREE COMPARTMENT SINK	PUBLIC	1	2.00	2.00	3.00	3.00	4.00	3.00	3.00	4.00	
PS-1	PREP SINK	PUBLIC	1	2.00	2.00	3.00	3.00	4.00	3.00	3.00	4.00	
MS-1	MOP SINK	PUBLIC	1	2.00	2.00	2.25	2.25	3.00	2.25	2.25	3.00	
HS-1	HAND SINK	PUBLIC	2	2.00	4.00	1.50	1.50	2.00	3.00	3.00	4.00	
IM-1	ICE MACHINE	PUBLIC	1	-	-	0.50	-	0.50	0.50	-	0.50	
FM-1	FOUNTAIN MACHINE	PUBLIC	1	-	-	0.50	-	0.50	0.50	-	0.50	
SM-1	SODA MACHINE	PUBLIC	1	-	-	0.50	-	0.50	0.50	-	0.50	
TB-1	TEA BREWER	PUBLIC	1	-	-	0.50	-	0.50	0.50	-	0.50	
TOTALS					31.00	DFU			19.75	12.75	24.00	WSFU
DFU = DRAINAGE FIXTURE UNITS					EIGHTH	INCH SLOPE PER FOOT			19.60	16.50	21.50	GPM
WSFU = WATER SUPPLY FIXTURE UNITS					4"	DIAMETER OF PIPE (INCHES)			-	-	1 1/2"	INCHES REQ'D.

SYMBOL	TYPE	QTY.	LOCATION	MAXIMUM GPM	MIN. FLOW / ACTIVATION GPM	GAS INPUT (MBTU/HR)	TEMPERATURE RISE °F	GPM @68° RISE MAX	WATER CONNECTION SIZE (INCH.)	SUPPLY GAS CONNECTION (INCH.)	VENT SIZE (INCH.)	ELECTRICAL DATA			DIMENSION (INCH.)			SHIPPING WEIGHT (LBS)	UEF	MODEL	MAKE	NOTES
												FLA	WATT	V/PH/Hz	WIDTH	DEPTH	HEIGHT					
GWH-1	NATURAL GAS	1	SEE IN PLAN	11	0.4	199	68	5.7	3/4"	3/4"	2"	4.0	148	120/1/60	18.5	11.45	28.6	64	0.93	CU1991	RINNAI	1,2,3

NOTES:

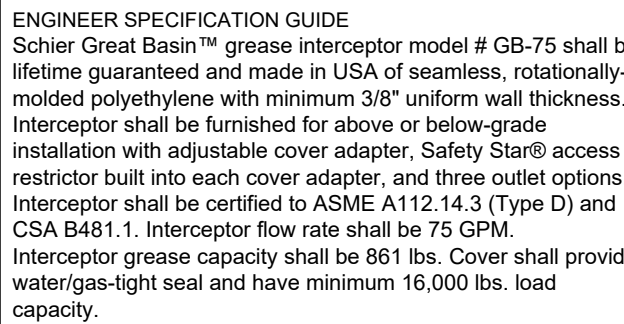
1. INSTALL PER MANUFACTURER INSTRUCTIONS.
2. FOR VENTILATION AIR INTAKE AND EXHAUST VENT CAN NOT EXCEED BY MORE THAN MANUFACTURER REQUIRED LENGTH.
3. USE ONLY VENT TERMINALS PROVIDED OR FACTORY AUTHORIZED TERMINALS FOR VENTING THIS WATER HEATER.

RECIRCULATING PUMP SCHEDULE														
SYMBOL	DESCRIPTION	LOCATION	QTY.	FLOW (GPM)	HEAD (FEET)	FLANGE SIZE NPT (INCH)	ELECTRICAL				WEIGHT (LBS)	MODEL	BASIS OF DESIGN	
							HP	V/PH/Hz	WATTS	RPM				F.L.A (AMPS)
CP-1	RECIRCULATING PUMP	SEE IN PLAN	1	22	15	3/4	1/25	115/1/60	92	2940	0.8	9.3	NRF-22	BELL & GOSSETT
NOTES: 1. PROVIDE WITH AQUASTAT AND TIMER.														

GREASE WASTE INTERCEPTOR SCHEDULE													
SYMBOL	DESCRIPTION	WORKING TYPE	TYPE	LOCATION	QTY.	RATED FLOW (GPM)	GREASE CAPACITY (GAL.)	INLET/ OUTLET (INCH.)	DIMENSION (INCH.)			MODEL	BASIS OF DESIGN
									WIDTH	LENGTH	HEIGHT		
GI-1	GREASE WASTE INTERCEPTOR	HYDRO-MECHANICAL	UNDER FLOOR	INSIDE	1	75	125	4"	33	47	39-7/8"	GB75	SCHIER

NOTES:
 1. GREASE TRAP IS CORROSION-RESISTANT COATED FABRICATED STEEL WITH NO-HUB CONNECTION, FLOW DIFFUSING BAFFLE, INTEGRAL TRAP, AND VENTED INLET FLOW CONTROL DEVICE.

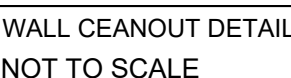
- Notes:
- 1. 4" FPT inlet/outlet with 4" plain end adapters, single inlet and triple outlet.
- 2. Unit weight - w/ cast iron covers: 190 lbs. (For wet weight add 1,043 lbs.)
- 3. Maximum operating temperature: 150° F continuous
- 4. Capacities - Liquid: 125 gal.
- 5. Solids: 81 lbs. (118 gal.) @ 75 GPM
- 6. Grease: 36 lbs. (31 gal.)
- 7. For gravity drainage applications only.
- 8. Do not use for pressure applications.
- 9. Cover placement allows full access to tank for proper maintenance.
- 10. Vent not required unless per local code.
- 11. Engineered inlet and outlet diffusers with inspection ports are removable to simplify / clean piping.
- 12. Integral air relief / Anti-siphon / Sampling access.
- 13. Adjustable cover adapter provides up to 4" of additional height.
- 14. Designed for below-grade, above-grade, indoor and outdoor applications.
- 15. Safety Star® access restrictor built into cover adapter, prevents accidental entry to tank (450 lb rating).



Great Basin hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control

MODEL NUMBER:	PART NUMBER: 4045-007-02				
GB-75	DESCRIPTION: GB-75 GREASE INTERCEPTOR 75 GPM, 4" INLET/OUTLET, H-20 RATED CAST IRON COVER				
PROPRIETARY AND CONFIDENTIAL					
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SCHERER PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE, WITHOUT THE WRITTEN PERMISSION OF SCHERER PRODUCTS IS PROHIBITED.	DWG BY: C. BUSENITZ	DATE: 4/14/2022	REV: -	ECO: -	



2 LAVATORY AND HAND SINK TEMPERING VALVE DETAIL
NOT TO SCALE

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184008002-007

CONSULTANT

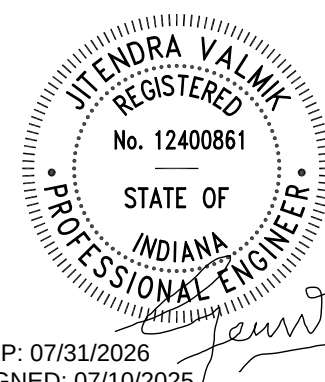
CONSULTANT

JIMMY JOHNS BRAZIL, IN

**PROPOSED COMMERCIAL
TENANT BUILT -OUT**

626 E NATIONAL ROAD,
BRAZIL, IN 47834.

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EXP: 07/31/2026
SIGNED: 07/10/2024

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Drawn / Designed _____
Reviewed By: _____
Project Number: _____

SHEET NAME:

PLUMBING SCHEDULES AND DETAILS

SHEET NUMBER:

JJP1.6