



KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651



DIRECT2COMPLETION

MASS ARCHITECTS.
BIG IDEAS. 

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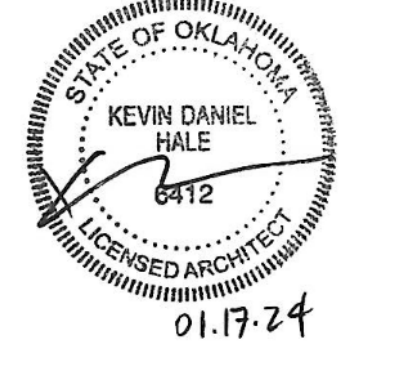
ISSUE 01: RE-BID CONSTRUCTION SET

01.17.2024



ARCHITECTURE

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



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ARCHITECTURAL

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ARCHITECTURAL

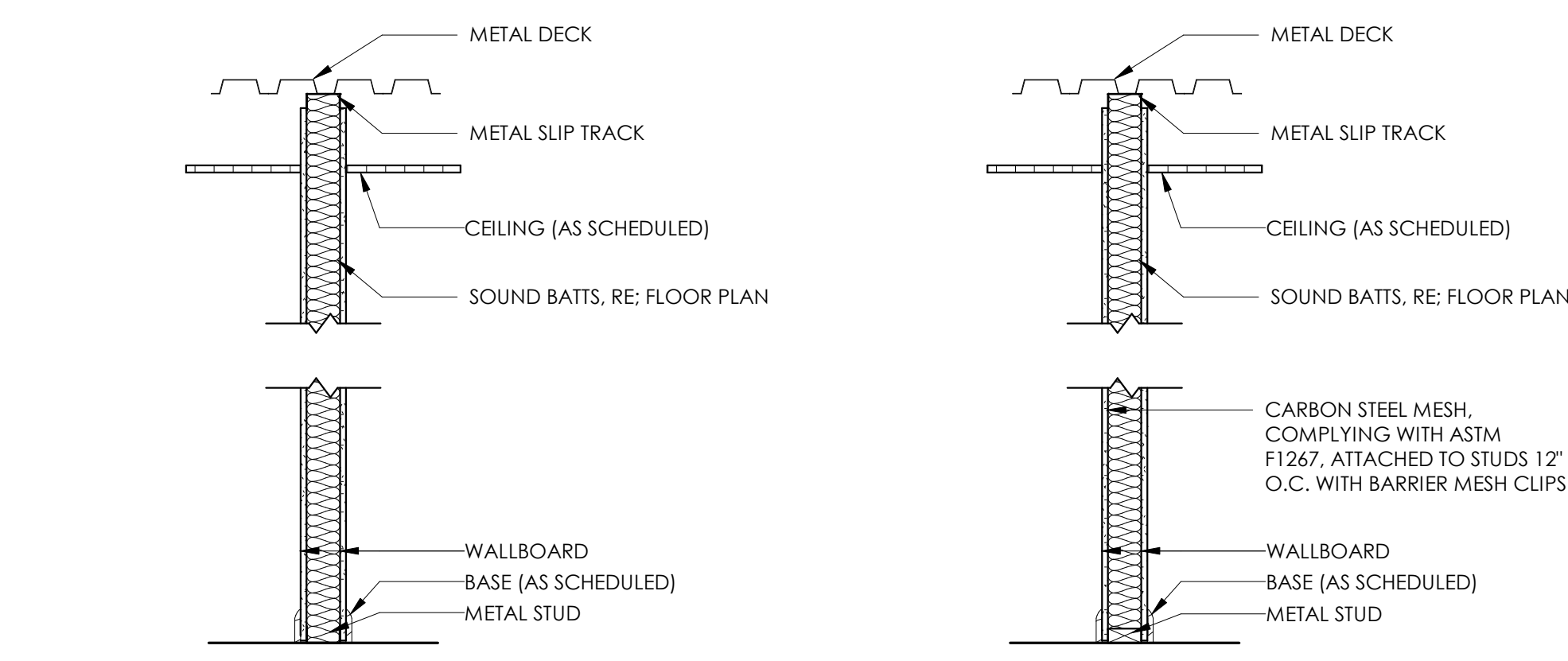
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- GENERAL NOTES:**
- SCALE:** DO NOT SCALE DRAWINGS.
 - CODES:** ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL BUILDING CODES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE COMPLIANCE WITH SAID CODES.
 - DIMENSIONS:** CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, FRAMING CONDITIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
 - DIMENSIONS:** ALL EXTERIOR DIMENSIONS ARE TO GRID LINES, TO THE EDGE OF SLAB OR TO THE CENTERLINE OF OPENINGS. ALL INTERIOR DIMENSIONS ARE TO THE CENTERLINE OF FRAMING, TO THE CENTERLINE OF OPENINGS OR TO THE INSIDE FINISH FACE OF FRAMING, UNLESS NOTED OTHERWISE.
 - INSTALLATION:** ALL MATERIALS, SUPPLIES AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PER APPLICABLE CODES AND REQUIREMENTS. THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - MATERIAL STORAGE:** MATERIALS STORED ON SITE SHALL BE PROTECTED FROM DAMAGE BY MOISTURE, WIND, SUN, ABUSE, THEFT OR ANY OTHER HARMFUL AFFECTS.
 - SAFETY:** THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY PRECAUTIONS OR SAFETY PROGRAMS USED TO PROVIDE A SAFE WORKING ENVIRONMENT ON THE JOB SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL STRUCTURAL SHORING AND BRACING DURING ALL PHASES OF CONSTRUCTION.
 - PERMITS:** PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSPECTIONS AND A CERTIFICATE OF OCCUPANCY. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL THE PERMITTING AUTHORITIES, PRIOR TO CONSTRUCTION. CONTRACTOR TO VERIFY SERVICE WITH ALL UTILITY AGENCIES AND SCHEDULE ON-SITE INSPECTIONS TO LOCATE ALL UTILITIES.
 - CONTRACT DOCUMENTS:** THESE CONTRACT DOCUMENTS ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED WITHOUT HIS OR HER WRITTEN CONSENT. THESE CONTRACT DOCUMENTS ARE FOR USE SOLELY WITH RESPECT TO THIS PROJECT. THE OWNER SHALL NOT REUSE OR PERMIT THE REUSE OF THESE CONTRACT DOCUMENTS EXCEPT BY MUTUAL AGREEMENT IN WRITING. THE CONTRACT DOCUMENTS SHALL NOT BE USED FOR ISSUE OF A BUILDING PERMIT OR ANY CONSTRUCTION UNLESS SIGNED AND SEALED BY THE ARCHITECT.
 - THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE INSTALLATION OF ALL PLUMBING FIXTURES AND ACCESSORIES IN COMPLIANCE WITH LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT.
 - RECYCLE BINS** TO BE PROVIDED FOR WORKERS DURING CONSTRUCTION MATERIALS, PAINTS, PRIMERS, FINISHES, ADHESIVES, SEALANTS, AND STAINS TO BE **LOW OR NO VOC**

- ARCHITECTURAL NOTES:**
- THE EXTENT OF SELECTIVE DEMOLITION WORK IS THAT WORK NECESSARY AND REQUIRED TO FACILITATE THE NEW CONSTRUCTION INDICATED. THE DEMOLITION IN THE EXISTING STRUCTURE INCLUDES THE DEMOLITION OF EXISTING CEILINGS, HVAC DUCTWORK AND UNITS, INTERIOR LIGHTING, INTERIOR WALLS, MILLWORK, DOORS AND FRAMES, AND ALL OTHER ITEMS NECESSARY FOR THE COMPLETION OF THE PROJECT, AS DETAILED IN THE DRAWINGS.
 - DEMOLITION SHALL BE SUCH THAT ALL CONSTRUCTION, NEW AND EXISTING, CAN BE PERFORMED AND COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS
 - REQUIREMENTS OF STRUCTURAL WORK: DO NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OF LOAD/DEFLECTION RATIO
 - OPERATION AND SAFETY LIMITATIONS: DO NOT CUT OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER INTENDED OR RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN A MANNER INTENDED OR RESULTING IN A DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE OR DECREASED SAFETY.
 - LOADING: DO NOT SUPERIMPOSE LOADS AT ANY POINT UPON EXISTING STRUCTURE BEYOND DESIGN CAPACITY INCLUDING LOADS TO MATERIALS, CONSTRUCTION EQUIPMENT, DEMOLITION OPERATIONS AND SHORING AND BRACING.
 - VIBRATION: DO NOT USE MEANS, METHODS, TECHNIQUES OR PROCEDURES WHICH WOULD INDUCE VIBRATION INTO ANY ELEMENT OF THE STRUCTURE.
 - FIRE: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE ANY FIRE HAZARDS.
 - WATER: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE EXCESSIVE WATER RUN-OFF AND WATER POLLUTION.
 - AIR POLLUTION: DO NOT USE MEANS, METHODS, TECHNIQUES, OR PROCEDURES WHICH WOULD PRODUCE UNCONTROLLED DUST, FUMES, OR OTHER DAMAGING AIR POLLUTION.
 - "EXISTING CONSTRUCTION" INDICATES INFORMATION WAS OBTAINED FROM EXISTING DRAWINGS OR OTHER INFORMATION WHICH MAY NOT REFLECT ACTUAL CONDITIONS. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
 - PERFORM THE REMOVAL, CUTTING, DRILLING, ETC., OF EXISTING WORK WITH EXTREME CARE, AND USING SMALL TOOLS IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING.
 - CONDITION OF STRUCTURE: THE OWNER & ARCHITECT ASSUME NO RESPONSIBILITY FOR THE ACTUAL CONDITION OR PORTIONS OF THE STRUCTURE TO BE DEMOLISHED.
 - PARTIAL REMOVAL: ITEMS OF SALVAGEABLE VALUE TO THE CONTRACTOR MAY BE REMOVED FROM THE STRUCTURE AS THE WORK PROGRESSES IF NOT CLAIMED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED.
 - PROTECTION: ASSURE THAT THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION IS MAINTAINED DURING THE DEMOLITION OPERATION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES AND PERSONS.
 - PROVIDE TEMPORARY PROTECTION OF EXISTING CONSTRUCTION (FLOORS, ROOFS, AND WALLS) WHEN ADJOINING NEW WORK AND IN TRAFFIC AREAS.
 - PROVIDE TEMPORARY CONSTRUCTION, CONSTRUCTED OF FRAMING AND PLYWOOD, TO PROTECT EXISTING CONSTRUCTION AND SURROUNDING SURFACES FROM DAMAGE BY MOVEMENT OF MATERIALS AND PERSONNEL.
 - REPAIR, REPLACE, OR REBUILD EXISTING CONSTRUCTION AS REQUIRED OR AS DIRECTED WHICH HAS BEEN REMOVED, ALTERED OR DISRUPTED TO ALLOW FOR NEW CONSTRUCTION. EXISTING CONSTRUCTION SHALL BE CORRECTED TO MATCH ADJACENT CONSTRUCTION, NEW OR EXISTING.
 - PERFORM CUTTING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION WITH SAWS AND CORE DRILLS. DO NOT USE JACK-HAMMERS OR EXPLOSIVES.
 - PROVIDE TEMPORARY SHORING OF EXISTING CONSTRUCTION TO ALLOW REMOVAL OF EXISTING STRUCTURAL ELEMENTS. MAINTAIN SHORING UNTIL PERMANENT BRACING IS IN PLACE.
 - MATERIALS AND ITEMS SCHEDULED FOR REUSE WHICH ARE DAMAGED BY THE CONTRACTOR TO THE EXTENT THAT THEY CANNOT BE REUSED SHALL BE REPLACED BY THE CONTRACTOR WITH EQUAL QUALITY MATERIAL AT NO ADDITIONAL COST TO THE OWNER.
 - REMOVED AND SALVAGED: MATERIALS NOT REUSED SHALL BE DELIVERED AS DIRECTED TO THE OWNER. THESE ITEMS INCLUDE LIGHT FIXTURES, ROOF TOP UNITS, DOORS, FRAMES, HARDWARE, MILLWORK, PLUMBING FIXTURES, AND ANY OTHER MATERIALS DESIGNATED BY THE OWNER.
 - REMOVED AND SALVAGED MATERIALS OF VALUE NOT DESIGNATED FOR REUSE, UNLESS CLAIMED AS SALVAGE BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES BY THE CONTRACTOR, AND BE LEGALLY DISPOSED OF OFF-SITE.
 - REVISE MECHANICAL, ELECTRICAL, PLUMBING, FIRE ALARM AND FIRE SUPPRESSION FIXTURES AS NECESSARY TO PERFORM AS REQUIRED PER THE FLOOR PLAN.
 - MECHANICAL, ELECTRICAL, PLUMBING, FIRE ALARM AND FIRE PROTECTION MODIFICATIONS TO BE PROVIDED AS DESIGN BUILT BY CONTRACTOR AND CONTRACTOR'S SUBCONTRACTORS LICENSED PER THEIR TRADE AND CITY OF TULSA LICENSING REQUIREMENTS.
 - ALL NEW WALLS TO BE LIGHT GAUGE METAL FRAMED.
 - ADJUST EXISTING CEILING GRID AND LIGHTING AS NEEDED.
 - FLOORING TO BE REMOVED AND REPLACED THROUGHOUT.
 - CONTRACTOR TO VERIFY THAT ANY EXTERIOR LANDING/SIDEWALK IS: MAX 1/2" LOWER THAN THRESHOLD, MAX. 1/4" CROSS SLOPE & COMPLIES WITH ACCESSIBLE LANDING REQUIREMENTS I.E. SIZE, SLOPE, ETC.

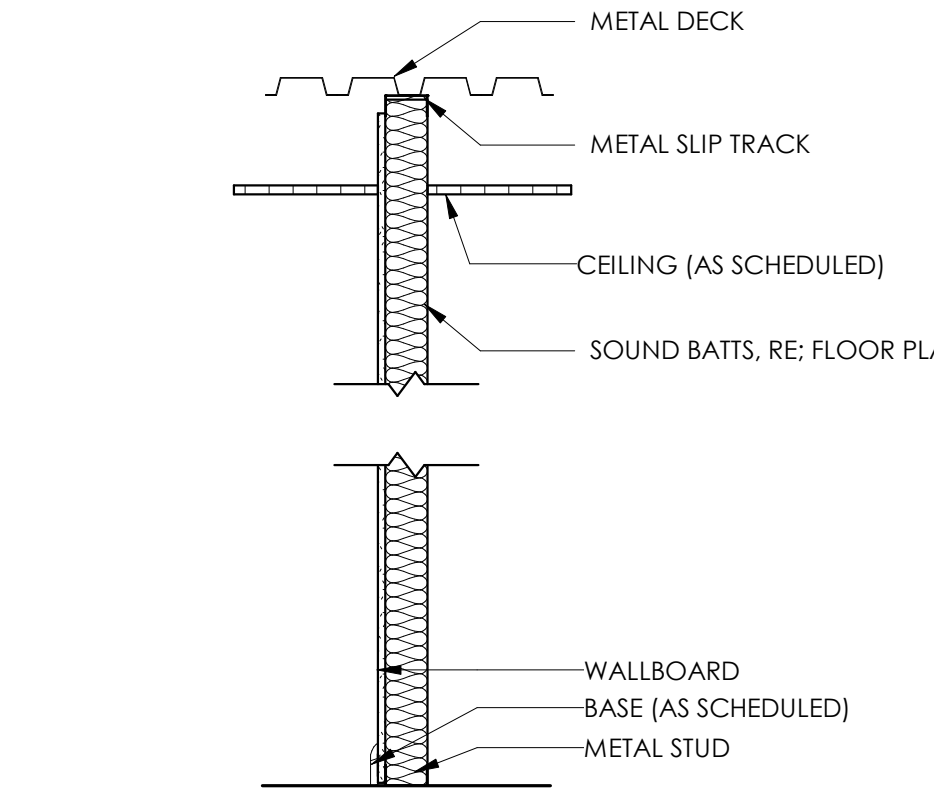


M6 M3 M2 PARTITION TYPE

MAR K	CMU SIZE	STUD SIZE	STUD SPACING	GWB	FIRE RATING	STC RATING	U.L. NO.
M2	-	2 1/2"	-	5/8"	-	-	-
M3	-	3 5/8"	-	5/8"	-	-	-
M6	-	6"	-	5/8"	-	-	-

B6 B3 PARTITION TYPE

MAR K	CMU SIZE	STUD SIZE	STUD SPACING	GWB	FIRE RATING	STC RATING	U.L. NO.
B3	-	3 5/8"	-	5/8"	-	-	-
B6	-	6"	-	5/8"	-	-	-



F6 F3 PARTITION TYPE

MAR K	CMU SIZE	STUD SIZE	STUD SPACING	GWB	FIRE RATING	STC RATING	U.L. NO.
F3	-	3 5/8"	16" O.C.	5/8"	-	-	-
F6	-	6"	16" O.C.	5/8"	-	-	-



DRAWN FOR:
**KIOWA TRIBE
KIOWA CASINO**

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET

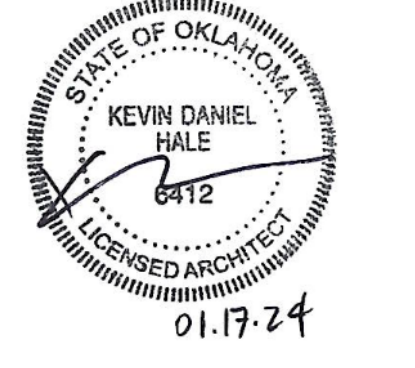
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PC

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KH / ND

SHEET TITLE:
**INDEX OF DRAWINGS/
PARTITION TYPES**

A001



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

PROJECT NUMBER:

2109-031

ISSUE: ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

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PC

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KH / ND

SHEET TITLE:

LIFE SAFETY

A002

LIFE SAFETY CODE REVIEW

SUMMARY OF THE PROJECT

THE BUILDING DEPICTED IN THESE CONTRACT DOCUMENTS IS A ONE-STORY SPRINKLERED CASINO.

APPLICABLE CODES

- 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2018 INTERNATIONAL FIRE CODE (IFC)
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- 2009 AMERICAN NATIONAL STANDARDS A117.1
- 2018 INTERNATIONAL MECHANICAL CODE (IMC)
- 2017 NATIONAL ELECTRIC CODE (NFPA)
- 2006 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) & ASHRAE 90.1-2003
- 2018 INTERNATIONAL PLUMBING CODE (IPC)
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION - TITLE 29 (OSHA)

BUILDING USE

303.3 NON-SEPARATED, MIXED USE A-2, B AND ACCESSORY S-1

GENERAL BUILDING HEIGHTS AND AREAS

TABLE 504.3	ALLOWABLE HEIGHT:	75'-0"
	ACTUAL BUILDING HEIGHT:	55'-6"
TABLE 504.4	ALLOWABLE NUMBER OF STORIES:	3 STORIES
	ACTUAL NUMBER OF STORIES:	1 STORY
TABLE 506.2	ALLOWABLE BUILDING AREA:	38,000 SF
	ACTUAL BUILDING AREA:	25,000 SF

TYPE OF CONSTRUCTION - IIB

TABLE 601	BUILDING ELEMENT	FIRE RESISTANCE RATING
	STRUCTURAL FRAME	0
	BEARING WALLS	0
	NON-BEARING WALLS & PARTITIONS	0
	FLOOR CONSTRUCTION	0
	ROOF CONSTRUCTION	0

INTERIOR FINISHES

TABLE 803.13	INTERIOR FINISH REQUIREMENTS:	
A-2	INTERIOR EXIT STAIRWAYS/RAMP & EXIT PASSAGEWAYS CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRWAYS/RAMP ROOMS AND ENCLOSED SPACES	CLASS B MATERIALS CLASS B MATERIALS CLASS C MATERIALS
B	INTERIOR EXIT STAIRWAYS/RAMP & EXIT PASSAGEWAYS CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRWAYS/RAMP ROOMS AND ENCLOSED SPACES	CLASS B MATERIALS CLASS C MATERIALS CLASS C MATERIALS

FIRE PROTECTION SYSTEMS

903	FIRE SPRINKLER SYSTEM: AUTOMATIC FIRE SPRINKLER SYSTEM SPECIFIED IN ACCORDANCE WITH THE PROVISIONS IN THIS SECTION.
907	FIRE ALARM SYSTEM IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION.
TABLE 906.3	FIRE EXTINGUISHER TYPE AND PLACEMENT: NUMBER OF EXTINGUISHERS REQUIRED: 5 NUMBER OF EXTINGUISHERS PROVIDED: 5 MAXIMUM FLOOR AREA PER UNIT OF A: 3,000 SF MAXIMUM FLOOR AREA FOR EXTINGUISHER: 11,250 SF TYPE OF EXTINGUISHER: TYPE 2-A MAX. TRAVEL DISTANCE TO EXTINGUISHER: 75 FEET

ACCESSIBILITY

CLASS K- RATED EXTINGUISHER REQUIRED FOR KITCHEN
THE BUILDING COMPLIES WITH THE UNIFORM ACCESSIBILITY STANDARDS FED STD 795 BY THE DEPARTMENT OF LABOR AND THE ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES BY THE DEPARTMENT OF JUSTICE.

MEANS OF EGRESS

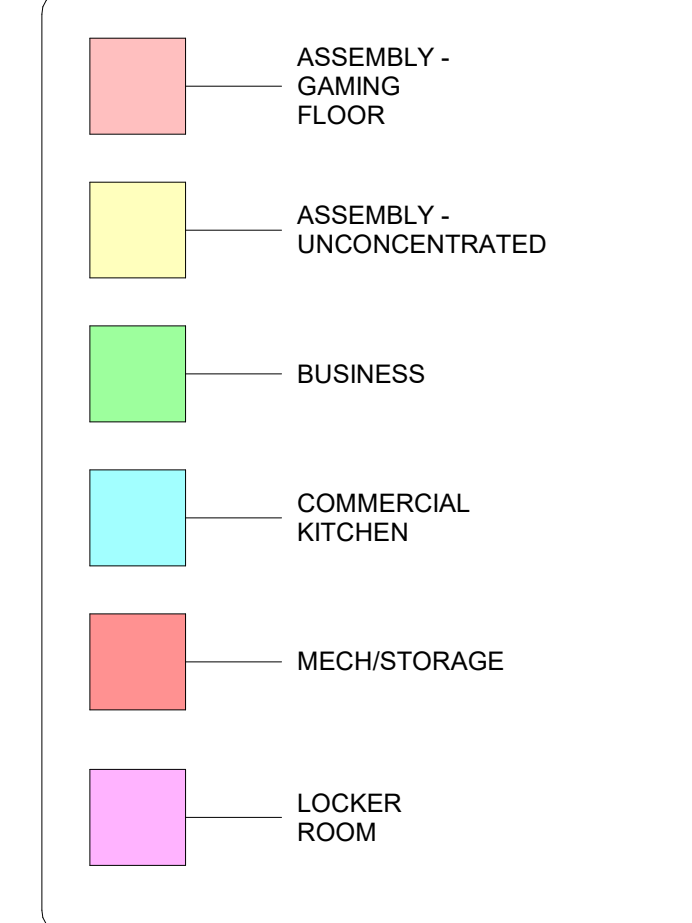
TABLE 1004.5	SEE OCCUPANCY LOAD CALCULATIONS TABLE.	
	ASSEMBLY - GAMING FLOOR	10,116 SF/ 11 GSF = 920 OCCUPANTS
	ASSEMBLY - UNCONCENTRATED	2,021 SF/ 15 GSF = 135 OCCUPANTS
	BUSINESS	4,857 SF/ 150 GSF = 33 OCCUPANTS
	BUSINESS RESTROOM	1,214 SF/ 300 GSF = 5 OCCUPANTS
	COMMERCIAL KITCHEN	1,859 SF/ 200 GSF = 10 OCCUPANTS
	LOCKER ROOM	195 SF/ 50 GSF = 4 OCCUPANTS
	MECH/ STORAGE	2,203 SF/ 300 GSF = 10 OCCUPANTS
	TOTAL	1,117 OCCUPANTS
1004.9	POSTING OF OCCUPANT LOAD: EVERY SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE SPACE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT.	
1005.3	EGRESS WIDTH PER OCCUPANT: ALL OTHER ELEMENTS (0.2 INCHES):	REQUIRED: 1,117 OCCUPANTS: 224" PROVIDED: 640"
TABLE 1006.2.1	SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY: A-2 MAX. OCCUPANT LOAD OF SPACE: 49 MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE: 75 FEET	
	B MAX. OCCUPANT LOAD OF SPACE: 49 MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE: 100 FEET	
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE MAX. TRAVEL DISTANCE (A-2 W/ SPRINKLER): 250 FEET MAX. TRAVEL DISTANCE (B W/ SPRINKLER): 300 FEET	
TABLE 1020.1	CORRIDOR FIRE-RESISTANCE RATING	0
TABLE 1020.2	CORRIDOR WIDTH:	44 INCHES MIN.

PLUMBING FIXTURE COUNT

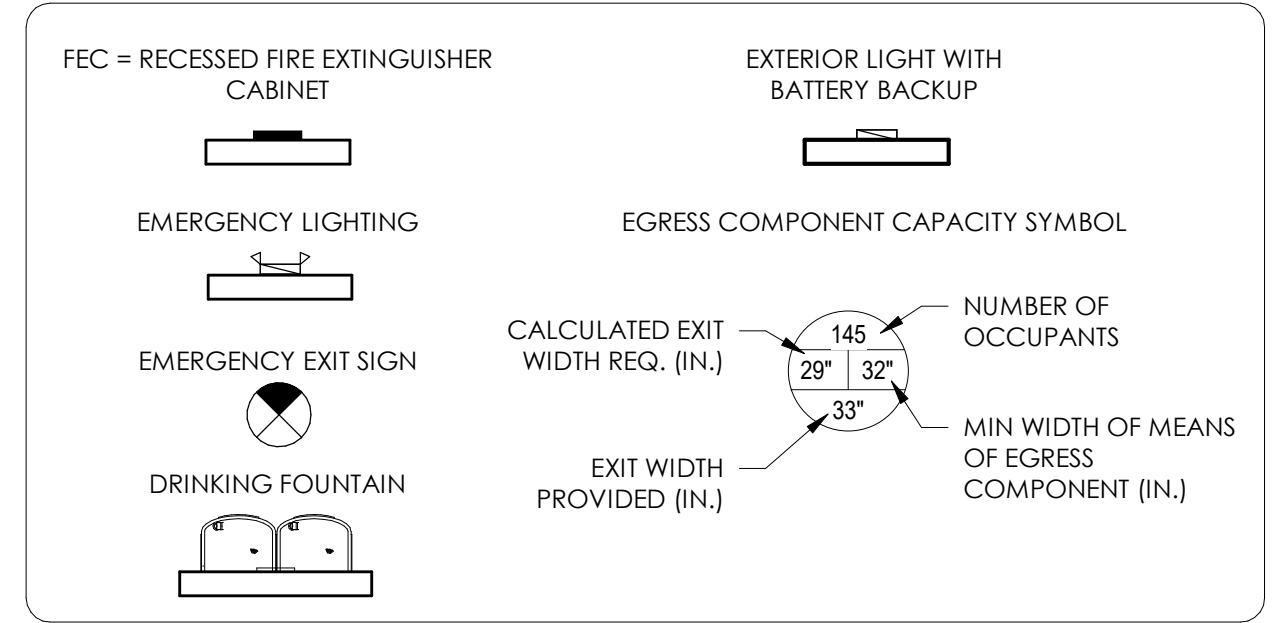
TABLE 2902.1

	WATER CLOSET	MALE (460 TOTAL)	FEMALE (460 TOTAL)	LAVATORY	DRINKING FOUNTAINS	SERVICE SINK
ASSEMBLY - CASINO						
FACTOR	1:100 - FIRST 400	1:50 - FIRST 400	1:50 - FIRST 400	1:250 - FIRST 750	1:1,000	1: SERVICE SINK
	1:250 - REMAINDER	1:150 - REMAINDER	1:150 - REMAINDER	1:500 - REMAINDER		
REQUIRED	4.24	8.40	3.34	0.92	1	
ASSEMBLY - RESTAURANTS						
FACTOR	1:75	1:75	1:75	1:200	1:500	1: SERVICE SINK
REQUIRED	0.95	0.95	0.71	0.28	1	
TOTAL REQUIRED	5.19	9.35	4.05	1.20	2	
PROVIDED	8	10	8	1	1	
BUSINESS						
FACTOR	1:25 - FIRST 50	1:25 - FIRST 50	1:40 - FIRST 80	1:100	1	
	1:50 - REMAINDER	1:50 - REMAINDER	1:80 - REMAINDER			
REQUIRED	1.12	1.12	1.4	0.56	1	
PROVIDED	2	3	5	1	1	

OCCUPANCY LEGEND

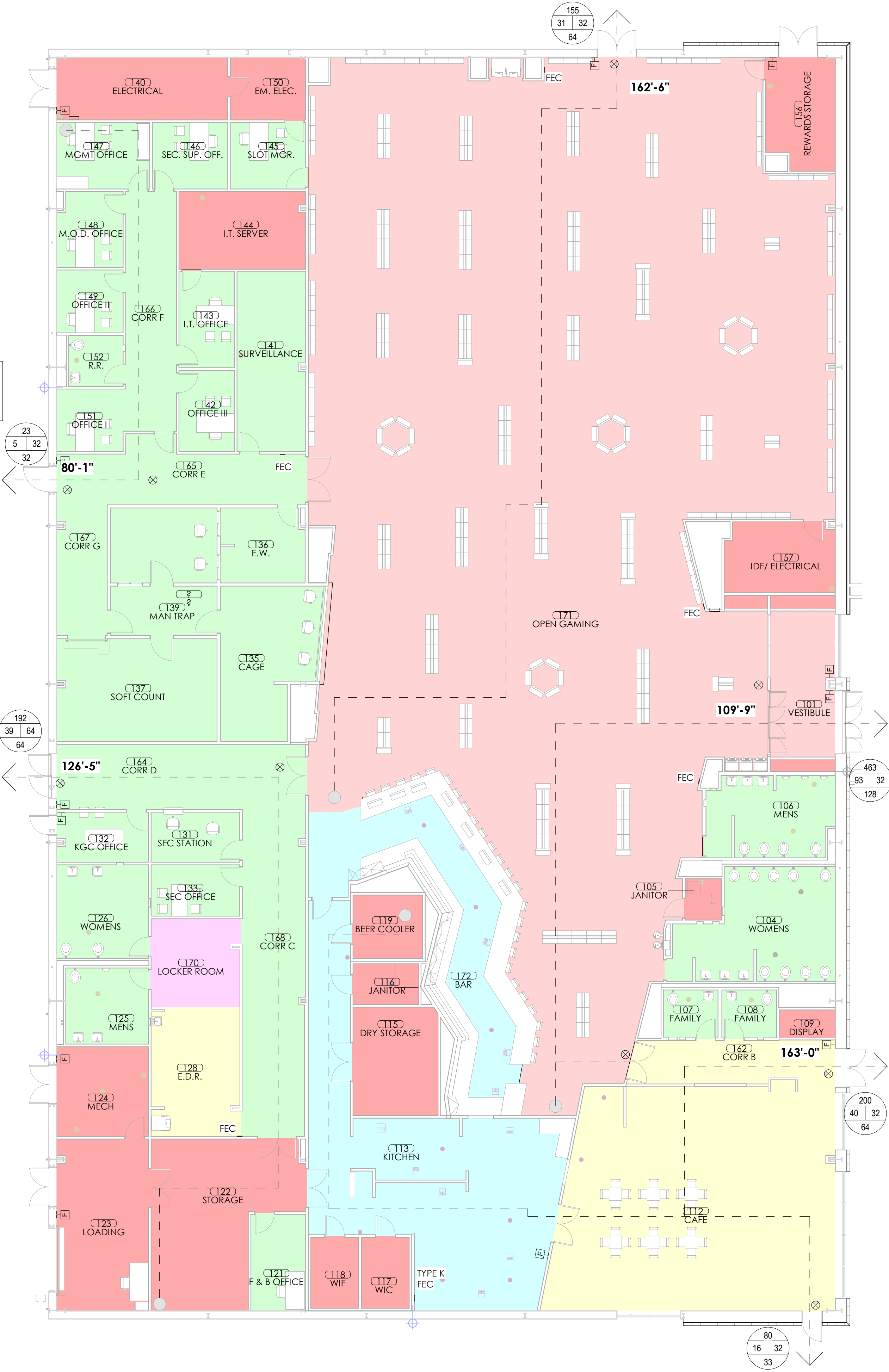


LIFE SAFETY LEGEND

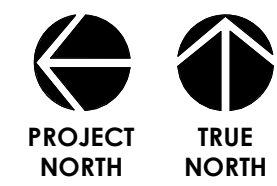


ROOM AREA CALCULATIONS

#	NAME	FUNCTION	AREA	AREA PER OCC.	OCCUPANTS
101	VESTIBULE	ASSEMBLY - GAMING FLOOR	232 SF	11 SF	21.06
171	OPEN GAMING	ASSEMBLY - GAMING FLOOR	9887 SF	11 SF	898.79
112	CAFE	ASSEMBLY - UNCONCENTRATED	1557 SF	15 SF	103.79
128	E.D.R.	ASSEMBLY - UNCONCENTRATED	282 SF	15 SF	18.79
161	CORR A	ASSEMBLY - UNCONCENTRATED	0 SF	15 SF	
142	CORR B	ASSEMBLY - UNCONCENTRATED	185 SF	15 SF	12.33
104	WOMENS	BUSINESS	392 SF	300 SF	1.31
106	MENS	BUSINESS	246 SF	300 SF	0.83
107	FAMILY	BUSINESS	45 SF	300 SF	0.22
108	FAMILY	BUSINESS	45 SF	300 SF	0.22
121	F & B OFFICE	BUSINESS	132 SF	150 SF	0.88
125	MENS	BUSINESS	157 SF	300 SF	0.52
126	WOMENS	BUSINESS	214 SF	300 SF	0.71
131	SEC STATION	BUSINESS	111 SF	150 SF	0.74
132	KGC OFFICE	BUSINESS	113 SF	150 SF	0.75
133	SEC OFFICE	BUSINESS	113 SF	150 SF	0.76
135	CAGE	BUSINESS	339 SF	150 SF	2.26
136	E.W.	BUSINESS	154 SF	150 SF	1.03
137	SOFT COUNT	BUSINESS	409 SF	150 SF	2.73
138	MAIN BANK	BUSINESS	199 SF	150 SF	1.33
139	MAN TRAP	BUSINESS	131 SF	150 SF	0.88
141	SURVEILLANCE	BUSINESS	305 SF	150 SF	2.04
142	OFFICE III	BUSINESS	112 SF	150 SF	0.75
143	I.T. OFFICE	BUSINESS	132 SF	150 SF	0.88
145	SLOT MGR.	BUSINESS	125 SF	150 SF	0.83
146	SEC. SUP. OFF.	BUSINESS	125 SF	150 SF	0.83
147	MGMT OFFICE	BUSINESS	154 SF	150 SF	1.03
148	M.O.D. OFFICE	BUSINESS	121 SF	150 SF	0.81
149	OFFICE II	BUSINESS	104 SF	150 SF	0.70
151	OFFICE I	BUSINESS	105 SF	150 SF	0.70
152	R.R.	BUSINESS	69 SF	300 SF	0.23
164	CORR D	BUSINESS	352 SF	150 SF	2.35
145	CORR E	BUSINESS	308 SF	150 SF	2.05
166	CORR F	BUSINESS	304 SF	150 SF	2.03
167	CORR G	BUSINESS	195 SF	150 SF	1.30
168	CORR C	BUSINESS	561 SF	150 SF	3.74
113	KITCHEN	COMMERCIAL KITCHEN	1208 SF	200 SF	6.04
172	BAR	COMMERCIAL KITCHEN	649 SF	200 SF	3.24
170	LOCKER ROOM	LOCKER ROOM	195 SF	50 SF	3.91
102	DISPLAY	MECH/ STORAGE	20 SF	300 SF	0.07
103.1	DISPLAY	MECH/ STORAGE	22 SF	300 SF	0.07
103.2	DISPLAY	MECH/ STORAGE	14 SF	300 SF	0.05
105	JANITOR	MECH/ STORAGE	38 SF	300 SF	0.13
109	DISPLAY	MECH/ STORAGE	39 SF	300 SF	0.13
115	DRY STORAGE	MECH/ STORAGE	229 SF	300 SF	0.76
116	JANITOR	MECH/ STORAGE	67 SF	300 SF	0.22
117	WIC	MECH/ STORAGE	84 SF	300 SF	0.28
118	WIF	MECH/ STORAGE	85 SF	300 SF	0.28
119	BEER COOLER	MECH/ STORAGE	110 SF	300 SF	0.37
122	STORAGE	MECH/ STORAGE	516 SF	300 SF	1.72
123	LOADING	MECH/ STORAGE	392 SF	300 SF	1.31
124	MECH	MECH/ STORAGE	206 SF	300 SF	0.69
140	ELECTRICAL	MECH/ STORAGE	267 SF	300 SF	0.89
144	I.T. SERVER	MECH/ STORAGE	244 SF	300 SF	0.81
150	EM. ELEC.	MECH/ STORAGE	118 SF	300 SF	0.39
156	REWARDS STORAGE	MECH/ STORAGE	186 SF	300 SF	0.62
157	IDF/ ELECTRICAL	MECH/ STORAGE	190 SF	300 SF	0.63



LIFE SAFETY PLAN
3/32" = 1'-0"

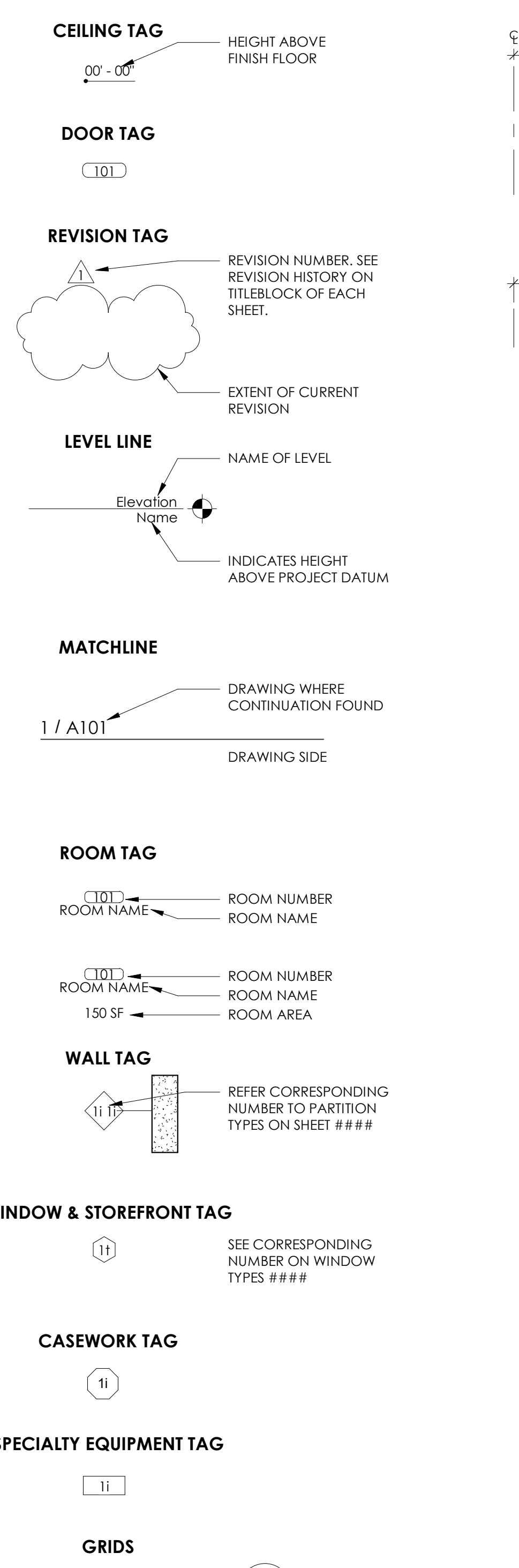
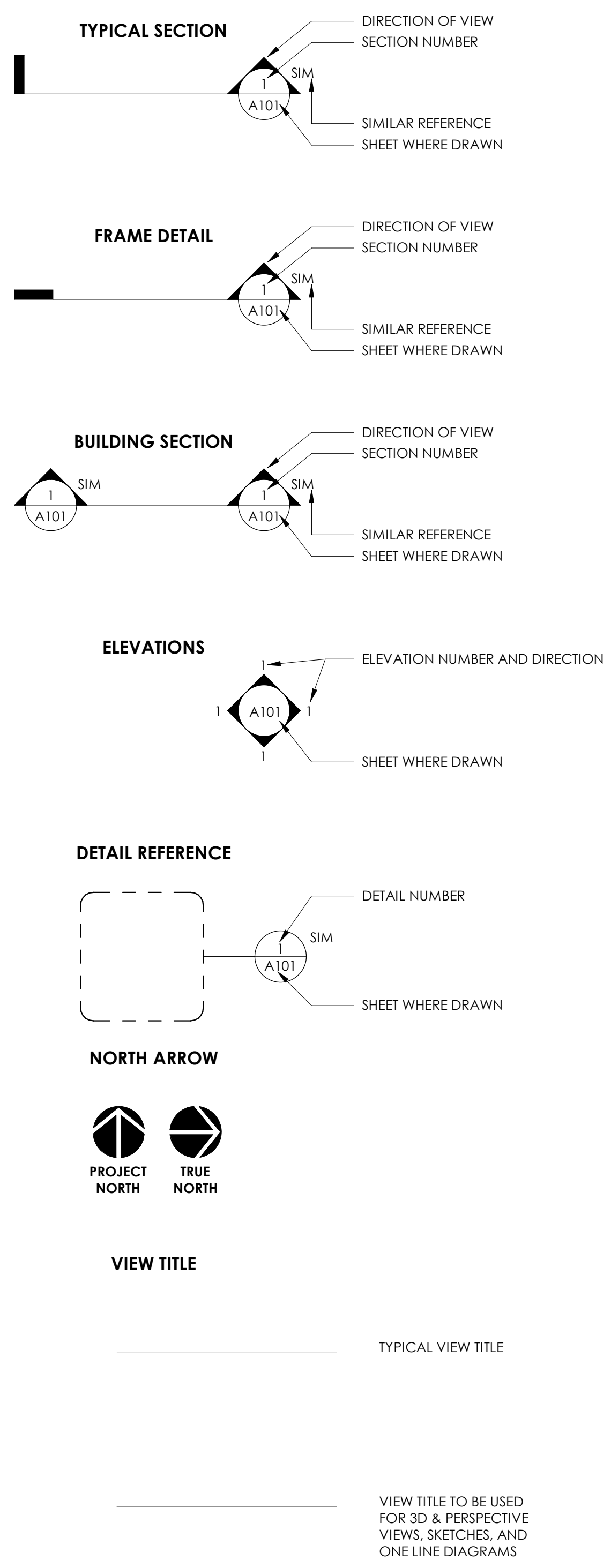


Autodesk Docs://kiowa Casino/2109-031 Kiowa Casino Interior.rvt

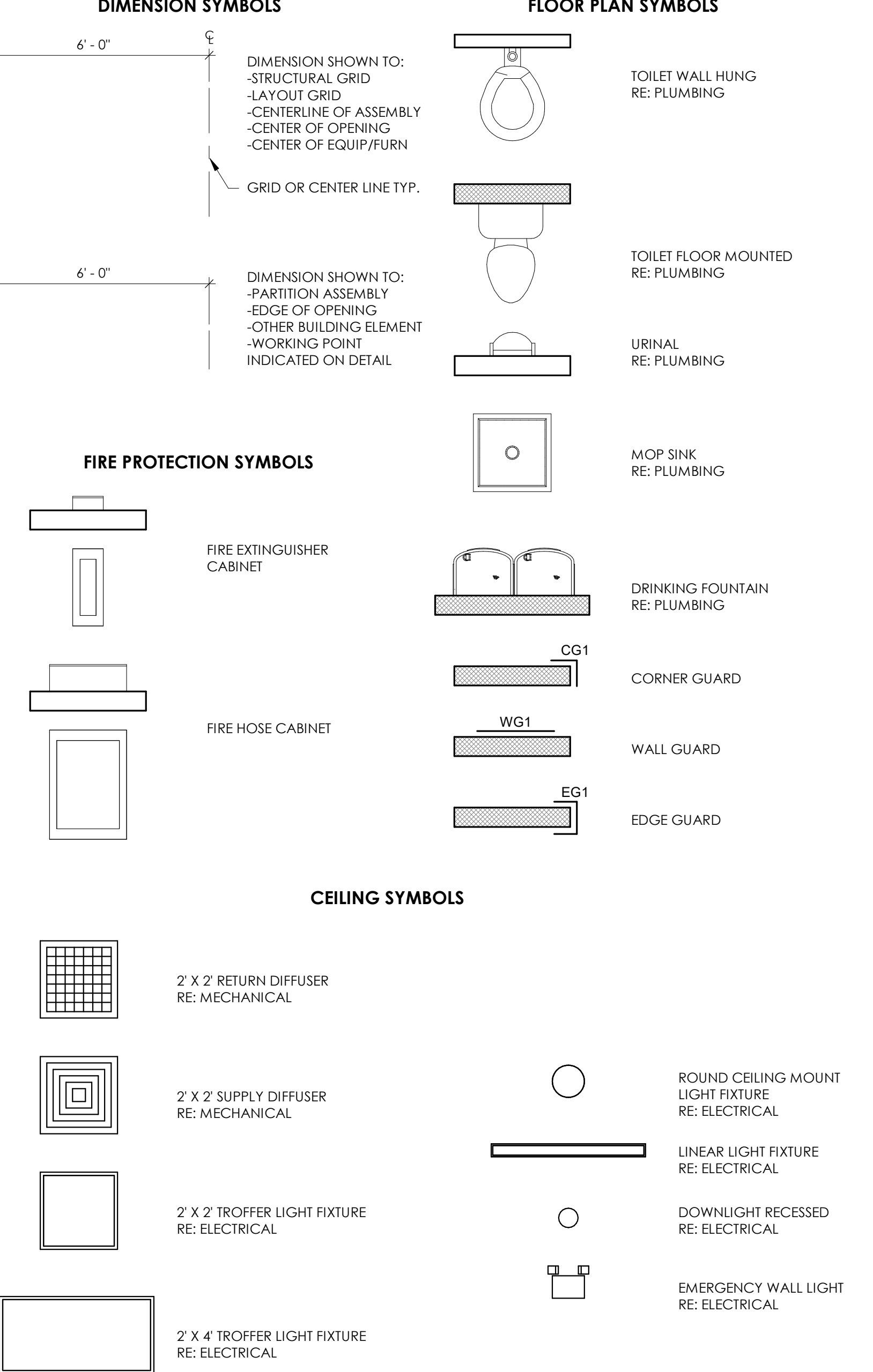
ARCHITECTURAL ABBREVIATIONS

A	AB ANCHOR BOLT	ACT ACOUSTICAL CEILING TILE	ACP ACOUSTICAL CEILING	ACS PNL ACCESS PANEL	AD AREA DRAIN	ADDL ADDITIONAL	ADH ADHESIVE	ADJ ADJUSTABLE	ADC ADJACENT	AFF ABOVE FINISH FLOOR	AFG ABOVE FINISH GRADE	AFS ABOVE FINISH SLAB	AGGR AGGREGATE	ALUM ALUMINUM	ALT ALTERNATE	ANOD ANODIZED	APPROX APPROXIMATE(LY)	ARCH ARCHITECT(URAL)	ASPH ASPHALT	AVG AVERAGE																																																									
B	BB BULLETIN BOARD	BD BOARD	BTWN BETWEEN	BITUM BITUMINOUS	BLDG BUILDING	BM BENCHMARK	BOT BOTTOM	BOS BOTTOM OF STEEL	BRC BEARING	BMT BASEMENT	BUR BUILT UP ROOFING SYSTEM	CAB CABINET	CB CATCH BASIN	CCR CARD CONTROL READER	CCT CUBICLE CURTAIN TRACK	CCTV CLOSED CIRCUIT TELEVISION	CEM CEMENT, CEMENTITIOUS	CER CERAMIC	CH BD CHALKBOARD	CI CAST IRON	CJ CONTROL JOINT	CL CENTER LINE	CLG CEILING	CLR CLEAR	CMU CONCRETE MASONRY UNIT	CONTR COUNTER	COL COLUMN	CONC CONCRETE	CONF CONFERENCE	CONN CONNECTION	CONSTR CONSTRUCTION	CONT CONTINUOUS	CONTR CONTRACTOR	CORR CORRUGATED	CPT CARPET	CSK COUNTERSUNK	CSP COMBINATION STANDPIPE	CSWK CASEWORK	CT CERAMIC TILE	CU CUBIC	CW COLD WATER	D DEPTH																																			
C	DBL DOUBLE	DBL ACT DOUBLE ACTING	DEGR DEGREE	DEMO DEMOLISH	DEPT DEPARTMENT	DET DETAIL	DF DRINKING FOUNTAIN	DIA DIAMETER	DIAG DIAGONAL	DIFF DIFFUSER	DIM DIMENSION	DIM PT DIMENSION POINT	DISP DISPENSER	DIST DISTANCE	DN DOWN	DR DRAIN	DS DOWNSPOUT	DSP DRY STANDPIPE	DT DRAPERY TRACK	DWG DRAWING	DWGS DRAWINGS	E EXIST	EA EACH	EDR EQUIPMENT DRAWING	EG EDGE GUARD	EIFS EXTERIOR INSULATION FINISH	EL ELEVATION	ELAST ELASTOMERIC	ELEC ELECTRICAL	ELEV ELEVATOR	EMER EMERGENCY	ENCL ENCLOSURE	ENGR ENGINEER	EOS EDGE OF SLAB	EP ELECTRICAL PANEL	EPB ELECTRICAL PANEL BOARD	EQM ETHYLENE PROPYLENE DIENE	EQ EQUALIZER	EQL SP EQUALLY SPACED	EQUIP EQUIPMENT	EQUIV EQUIVALENT	ES ENVIRONMENTAL SERVICE	ESCAL ESCALATOR	EST ESTIMATE(D)	EW ELECTRIC WATER COOLER	EXC EXCAVATED	EXH EXHAUST	EXP EXPANSION	E.J. EXPANSION JOINT	EXT EXTERIOR	FF FACE TO FACE	FA FIRE ALARM	FAS FIRE ALARM STATION	FB FLAT BAR	FCU FAN COIL UNIT	FD FLOOR DRAIN	FDC FIRE DEPARTMENT CONNECTION	FDN FOUNDATION	FEC FIRE EXTINGUISHER	FE FIRE EXTINGUISHER	FF FINISH FACE	FHC FIRE HOSE CABINET	FH/FEC FIRE HOSE / FIRE EXTINGUISHER	FHMS FLAT HEAD MACHINE	FHWS FLAT HEAD WOOD SCREW	FHY FIRE HYDRANT	FLAM FLAMMABLE	FLASH FLASHING	FLEX FLEXIBLE	FLUOR FLUORESCENT	FO FACE OF	FSB FOLDING SHOWER BENCH	FASTENER	FT FOOT, FEET	FTG FOOTING	FURN FURNITURE	FXTR FIXTURE
D	DBL DOUBLE	DBL ACT DOUBLE ACTING	DEGR DEGREE	DEMO DEMOLISH	DEPT DEPARTMENT	DET DETAIL	DF DRINKING FOUNTAIN	DIA DIAMETER	DIAG DIAGONAL	DIFF DIFFUSER	DIM DIMENSION	DIM PT DIMENSION POINT	DISP DISPENSER	DIST DISTANCE	DN DOWN	DR DRAIN	DS DOWNSPOUT	DSP DRY STANDPIPE	DT DRAPERY TRACK	DWG DRAWING	DWGS DRAWINGS	E EXIST	EA EACH	EDR EQUIPMENT DRAWING	EG EDGE GUARD	EIFS EXTERIOR INSULATION FINISH	EL ELEVATION	ELAST ELASTOMERIC	ELEC ELECTRICAL	ELEV ELEVATOR	EMER EMERGENCY	ENCL ENCLOSURE	ENGR ENGINEER	EOS EDGE OF SLAB	EP ELECTRICAL PANEL	EPB ELECTRICAL PANEL BOARD	EQM ETHYLENE PROPYLENE DIENE	EQ EQUALIZER	EQL SP EQUALLY SPACED	EQUIP EQUIPMENT	EQUIV EQUIVALENT	ES ENVIRONMENTAL SERVICE	ESCAL ESCALATOR	EST ESTIMATE(D)	EW ELECTRIC WATER COOLER	EXC EXCAVATED	EXH EXHAUST	EXP EXPANSION	E.J. EXPANSION JOINT	EXT EXTERIOR	FF FACE TO FACE	FA FIRE ALARM	FAS FIRE ALARM STATION	FB FLAT BAR	FCU FAN COIL UNIT	FD FLOOR DRAIN	FDC FIRE DEPARTMENT CONNECTION	FDN FOUNDATION	FEC FIRE EXTINGUISHER	FE FIRE EXTINGUISHER	FF FINISH FACE	FHC FIRE HOSE CABINET	FH/FEC FIRE HOSE / FIRE EXTINGUISHER	FHMS FLAT HEAD MACHINE	FHWS FLAT HEAD WOOD SCREW	FHY FIRE HYDRANT	FLAM FLAMMABLE	FLASH FLASHING	FLEX FLEXIBLE	FLUOR FLUORESCENT	FO FACE OF	FSB FOLDING SHOWER BENCH	FASTENER	FT FOOT, FEET	FTG FOOTING	FURN FURNITURE	FXTR FIXTURE
E	EA EACH	EDR EQUIPMENT DRAWING	EG EDGE GUARD	EIFS EXTERIOR INSULATION FINISH	EL ELEVATION	ELAST ELASTOMERIC	ELEC ELECTRICAL	ELEV ELEVATOR	EMER EMERGENCY	ENCL ENCLOSURE	ENGR ENGINEER	EOS EDGE OF SLAB	EP ELECTRICAL PANEL	EPB ELECTRICAL PANEL BOARD	EQM ETHYLENE PROPYLENE DIENE	EQ EQUALIZER	EQL SP EQUALLY SPACED	EQUIP EQUIPMENT	EQUIV EQUIVALENT	ES ENVIRONMENTAL SERVICE	ESCAL ESCALATOR	EST ESTIMATE(D)	EW ELECTRIC WATER COOLER	EXC EXCAVATED	EXH EXHAUST	EXP EXPANSION	E.J. EXPANSION JOINT	EXT EXTERIOR	FF FACE TO FACE	FA FIRE ALARM	FAS FIRE ALARM STATION	FB FLAT BAR	FCU FAN COIL UNIT	FD FLOOR DRAIN	FDC FIRE DEPARTMENT CONNECTION	FDN FOUNDATION	FEC FIRE EXTINGUISHER	FE FIRE EXTINGUISHER	FF FINISH FACE	FHC FIRE HOSE CABINET	FH/FEC FIRE HOSE / FIRE EXTINGUISHER	FHMS FLAT HEAD MACHINE	FHWS FLAT HEAD WOOD SCREW	FHY FIRE HYDRANT	FLAM FLAMMABLE	FLASH FLASHING	FLEX FLEXIBLE	FLUOR FLUORESCENT	FO FACE OF	FSB FOLDING SHOWER BENCH	FASTENER	FT FOOT, FEET	FTG FOOTING	FURN FURNITURE	FXTR FIXTURE																						
F	EA EACH	EDR EQUIPMENT DRAWING	EG EDGE GUARD	EIFS EXTERIOR INSULATION FINISH	EL ELEVATION	ELAST ELASTOMERIC	ELEC ELECTRICAL	ELEV ELEVATOR	EMER EMERGENCY	ENCL ENCLOSURE	ENGR ENGINEER	EOS EDGE OF SLAB	EP ELECTRICAL PANEL	EPB ELECTRICAL PANEL BOARD	EQM ETHYLENE PROPYLENE DIENE	EQ EQUALIZER	EQL SP EQUALLY SPACED	EQUIP EQUIPMENT	EQUIV EQUIVALENT	ES ENVIRONMENTAL SERVICE	ESCAL ESCALATOR	EST ESTIMATE(D)	EW ELECTRIC WATER COOLER	EXC EXCAVATED	EXH EXHAUST	EXP EXPANSION	E.J. EXPANSION JOINT	EXT EXTERIOR	FF FACE TO FACE	FA FIRE ALARM	FAS FIRE ALARM STATION	FB FLAT BAR	FCU FAN COIL UNIT	FD FLOOR DRAIN	FDC FIRE DEPARTMENT CONNECTION	FDN FOUNDATION	FEC FIRE EXTINGUISHER	FE FIRE EXTINGUISHER	FF FINISH FACE	FHC FIRE HOSE CABINET	FH/FEC FIRE HOSE / FIRE EXTINGUISHER	FHMS FLAT HEAD MACHINE	FHWS FLAT HEAD WOOD SCREW	FHY FIRE HYDRANT	FLAM FLAMMABLE	FLASH FLASHING	FLEX FLEXIBLE	FLUOR FLUORESCENT	FO FACE OF	FSB FOLDING SHOWER BENCH	FASTENER	FT FOOT, FEET	FTG FOOTING	FURN FURNITURE	FXTR FIXTURE																						

ARCHITECTURAL TAGS & ANNOTATION SYMBOLS



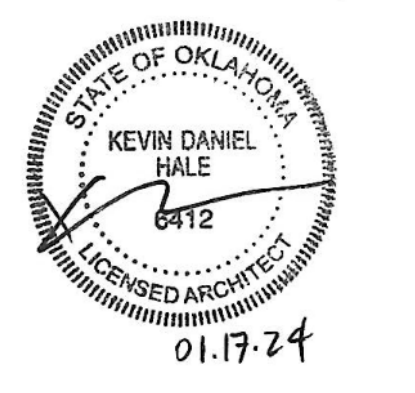
ARCHITECTURAL SYMBOLS



MASS ARCHITECTS. BIG IDEAS.

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 1225 N Broadway Place | Oklahoma City, OK 73103 | 405.231.1990
 Architecture, LLC ©2023
 1319 E 6th St | Tulsa, OK 74120
 918.764.9996

GENERAL NOTE:
 CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



PROJECT NUMBER:
 2109-031

ISSUE:
 ISSUE 01: RE-BID CONSTRUCTION SET

DATE:
 01.17.2024

DRAWN BY:
 1ARCH

CHECKED BY:
 KH / ND

SHEET TITLE:
 ABBREVIATIONS & SYMBOLS

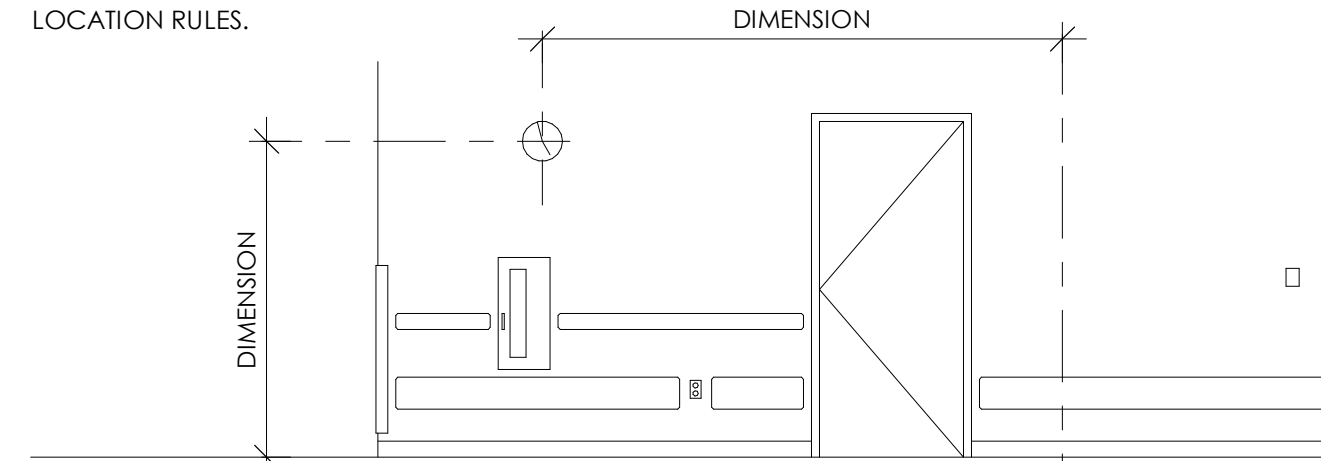
HIGHWAY 183
 HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

A003

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (BOTH HORIZ AND VERT) BY AN ELEVATION, SECTIONAL ELEVATION, OR DETAIL ELEVATION.

SPECIFIC DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.

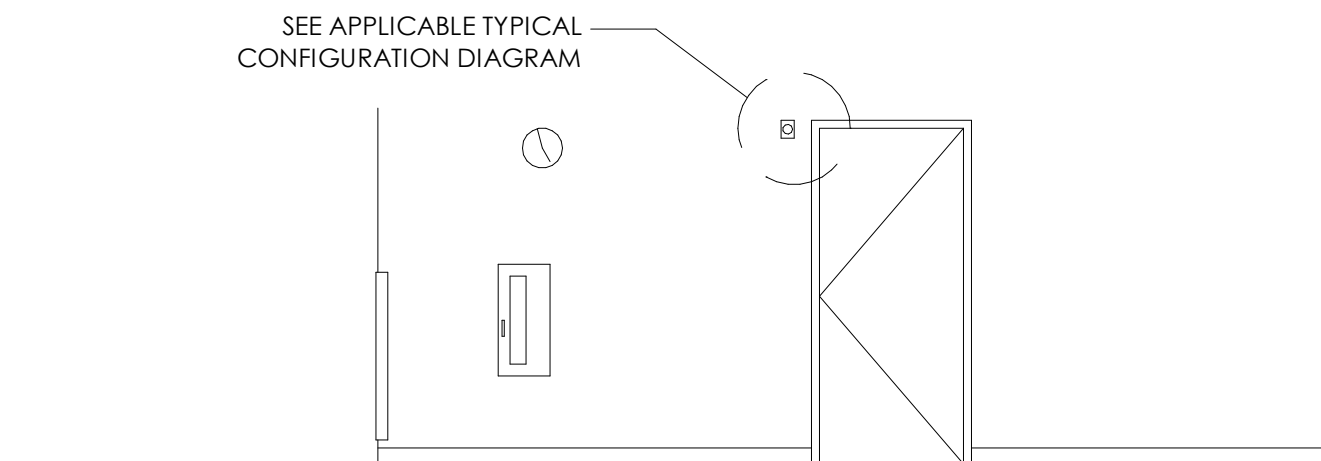


SPECIFIC MOUNTING DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS TAKE PRECEDENCE OVER CONFLICTING DIMENSIONS, IF ANY, SHOWN ON PLANS OR DETAIL PLANS.

1 WHEN COMPLETELY DIMENSIONED IN ELEVATION

UTILIZE TYPICAL MOUNTING CONFIGURATION DIAGRAMS PROVIDED TO DETERMINE HORIZONTAL AND VERTICAL LOCATION OF ITEM OR GROUP OF ITEMS IN RELATION TO OTHER, DIMENSIONED ITEMS.

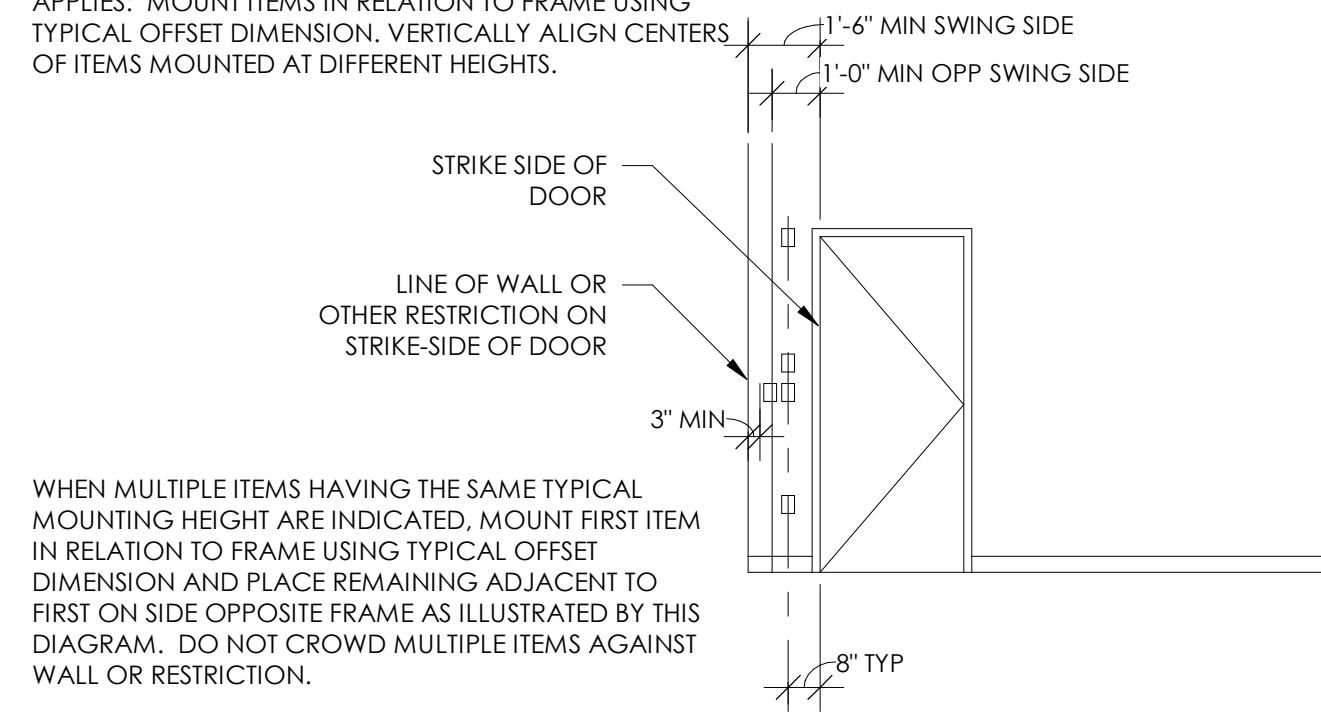
SPECIFIC DIMENSIONS SHOWN BY TYPICAL MOUNTING CONFIGURATION DIAGRAMS TAKE PRECEDENCE OVER CONFIGURATIONS SHOWN WITHOUT DIMENSIONS ON ELEVATIONS.



IN EXAMPLE SHOWN, NURSE CALL LIGHT IS TYPICALLY LOCATED IN RELATION TO TOP AND SIDE OF DOOR FRAME. THE DOOR LOCATION MAY BE DETERMINED FROM DIMENSIONS SHOWN ON THE PLANS OR THE PROJECT DIMENSIONING CONVENTIONS. THE DOOR AND FRAME DIMENSIONS MAY BE DETERMINED FROM THE DOOR SCHEDULE.

5 WHEN NO DIMENSIONS ARE PROVIDED IN PLANS OR ELEVATIONS

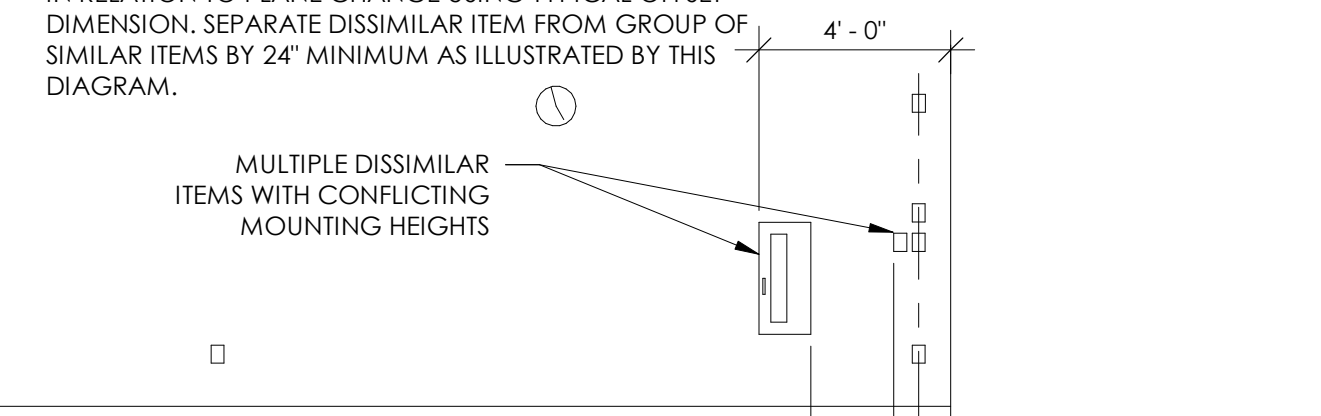
WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO STRIKE SIDE OF DOOR, AND WHEN STRIKE-SIDE CLEARANCE IS BETWEEN 12 INCHES AND 18 INCHES, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.



9 NOT DIMENSIONED AND LOCATED ADJACENT TO MINIMUM STRIKE-SIDE OF DOOR

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. SEPARATE DISSIMILAR ITEM FROM GROUP OF SIMILAR ITEMS BY 24" MINIMUM AS ILLUSTRATED BY THIS DIAGRAM.

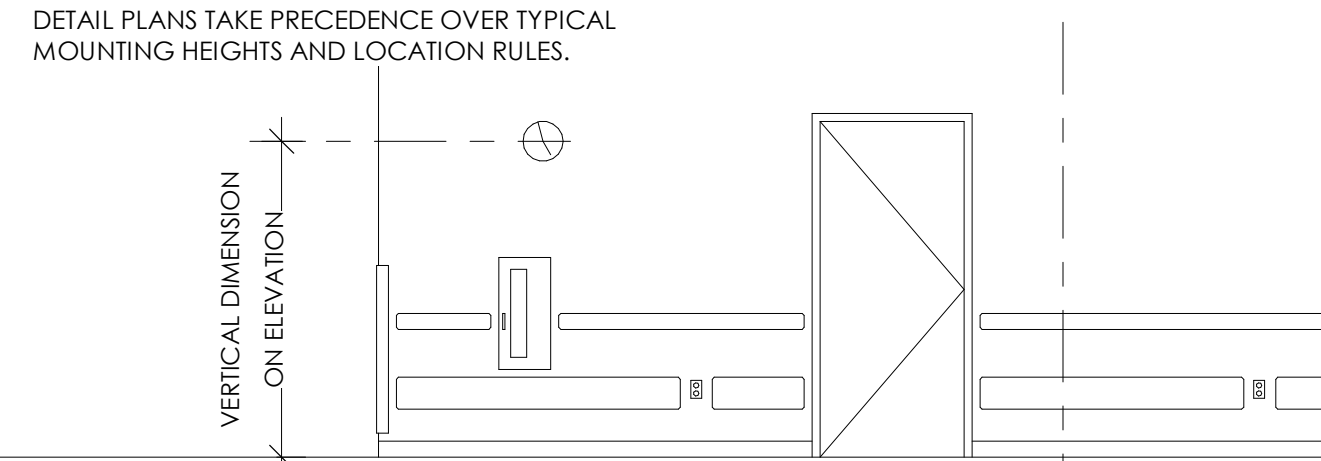


13 WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF PLANE CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE IN PLANE.

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (VERTICAL) BY AN ELEVATION, SECTIONAL ELEVATION, OR DETAIL ELEVATION AND DIMENSIONED (HORIZONTAL) BY A PLAN OR DETAIL PLAN.

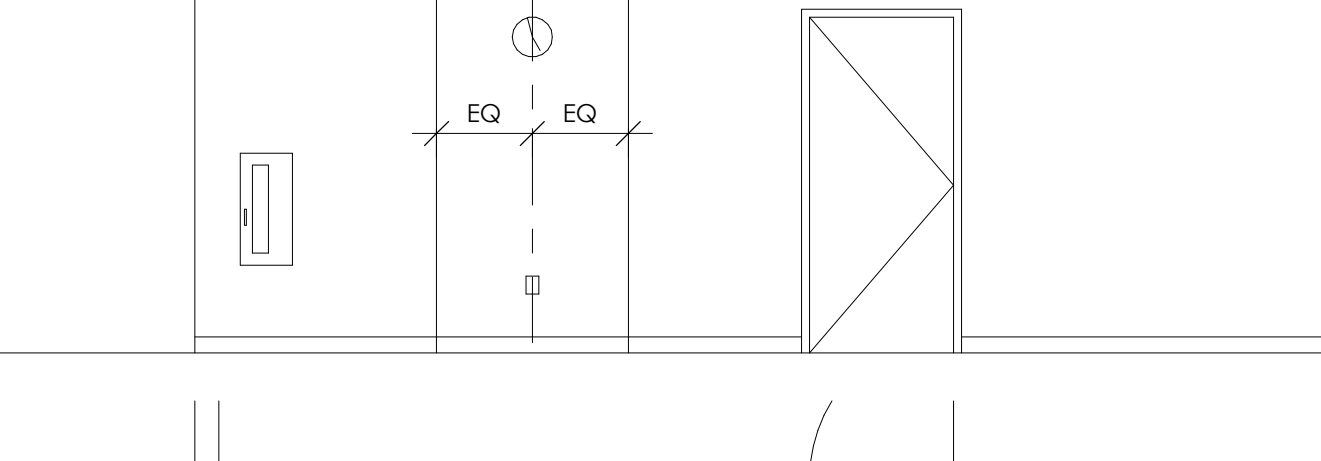
SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.



2 WHEN COMPLETELY DIMENSIONED BY COMBINATION OF PLAN AND ELEVATION

WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER ITEM ON FACE OF COLUMN OR PILASTER. ALIGN VERTICALLY CENTERS OF MULTIPLE ITEMS HAVING DIFFERING TYPICAL MOUNTING HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYP MOUNTING HEIGHT ARE INDICATED, HORIZONTALLY CENTER GROUP OF ITEMS ON FACE OF COLUMN OR PILASTER (SEE RULE 7).

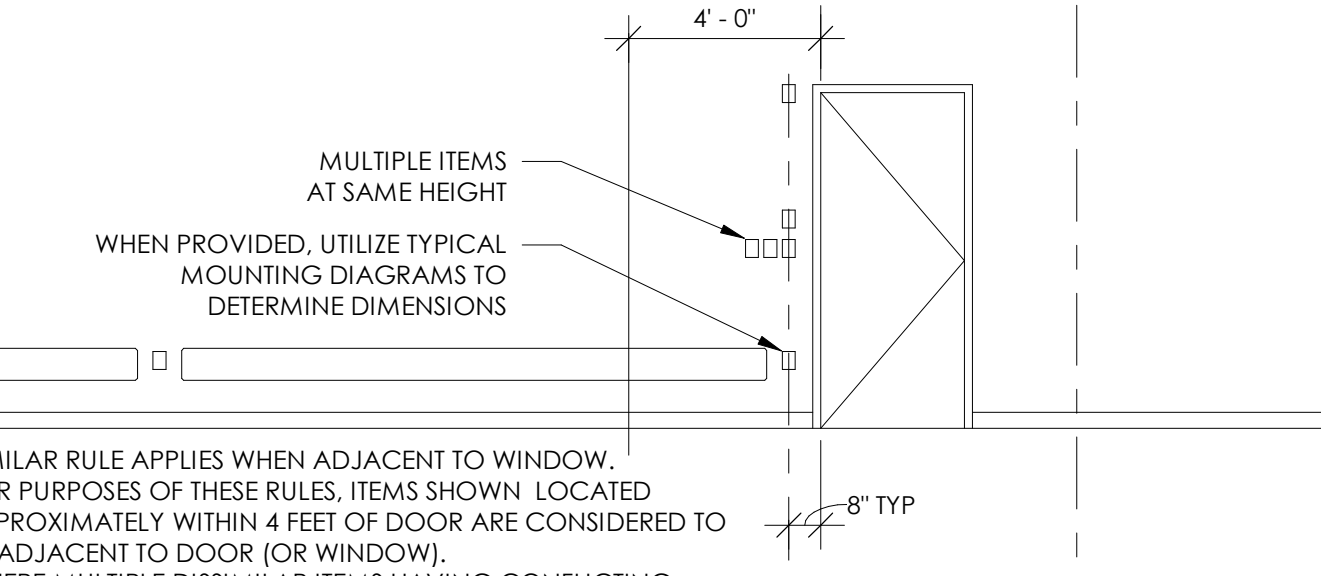


ON PLANS, ITEMS TO BE VERTICALLY ALIGNED MAY BE SHOWN ADJACENT.

6 NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

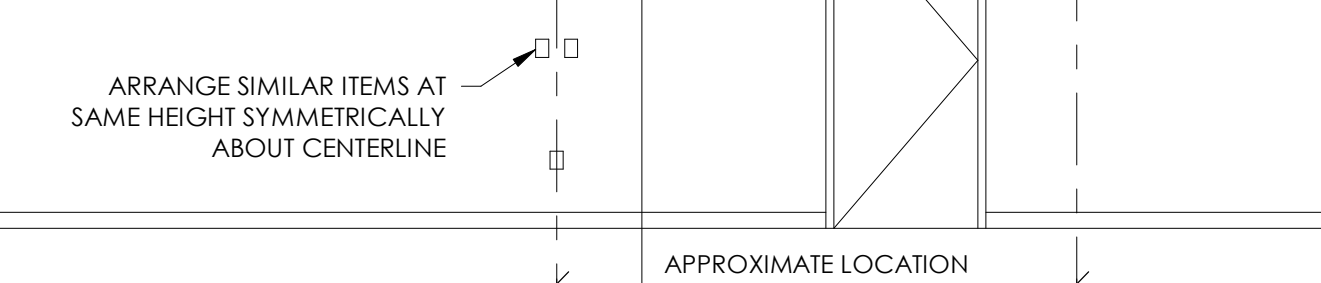
WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.



10 NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR OR WINDOW

WHEN NOT DIMENSIONED AND SHOWN ON A WALL NOT ADJACENT TO DOORS, WINDOWS, OR CHANGES IN WALL PLANE, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: LOCATE AT APPROXIMATE HORIZONTAL POSITION SHOWN ON PLANS OR ELEVATIONS. GROUP ITEMS HAVING DIFFERING MOUNTING HEIGHTS INTO SINGLE, SYMMETRICAL ARRANGEMENT BY VERTICALLY ALIGNING CENTERS OF ITEMS. MAINTAIN MINIMUM 36" HORIZONTAL SEPARATION BETWEEN ITEMS OR GROUPS OF ITEMS WHICH CANNOT BE ALIGNED VERTICALLY (SEE RULE 15).

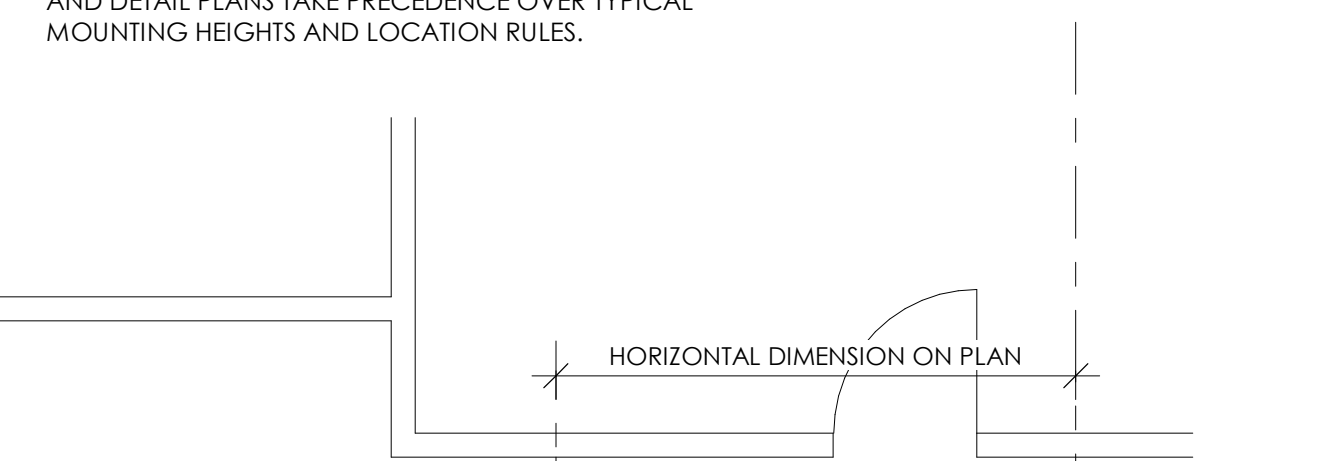
WHEN APPLICABLE, SYMMETRICALLY ARRANGE GROUPS OF SIMILAR ITEMS HAVING THE SAME MOUNTING HEIGHT AROUND THE VERTICAL AXIS ESTABLISHED.



14 NOT DIMENSIONED AND LOCATED ON OPEN WALL

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (BOTH HORIZONTAL AND VERTICAL) BY A PLAN OR DETAIL PLAN.

SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.

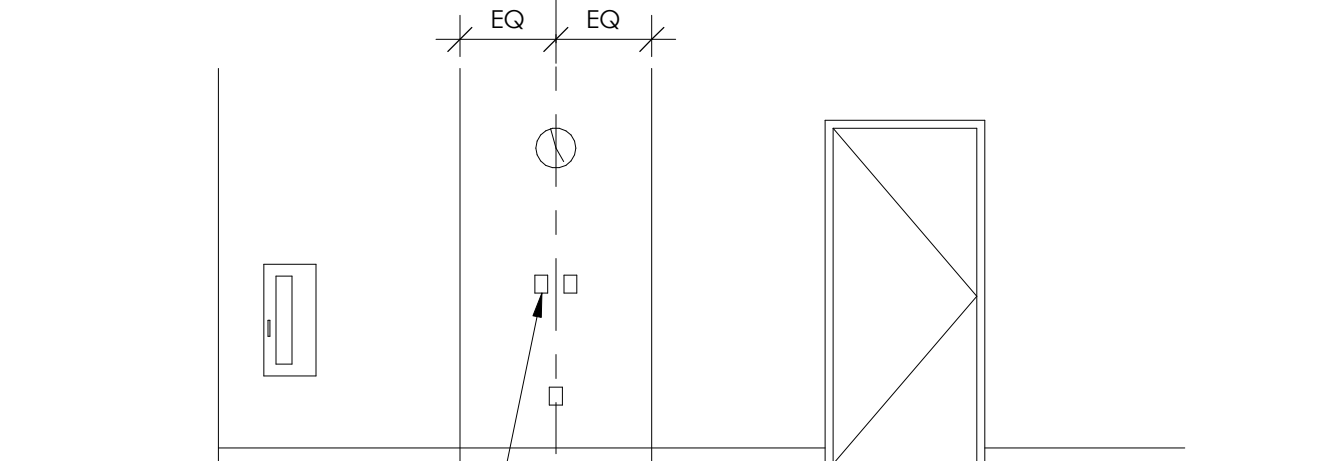


NON-TYPICAL MOUNTING HEIGHTS MAY BE INDICATED BY SYMBOL (AS SHOWN), BY KEYED NOTE, OR BY NOTATION ON PLANS.

3 WHEN COMPLETELY DIMENSIONED ON PLANS

WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER GROUP OF SIMILAR ITEMS HAVING THE SAME MOUNTING HEIGHT(S) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS RULE WITH RULE 6 TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING BOTH DIFFERING AND SIMILAR MOUNTING HEIGHTS.

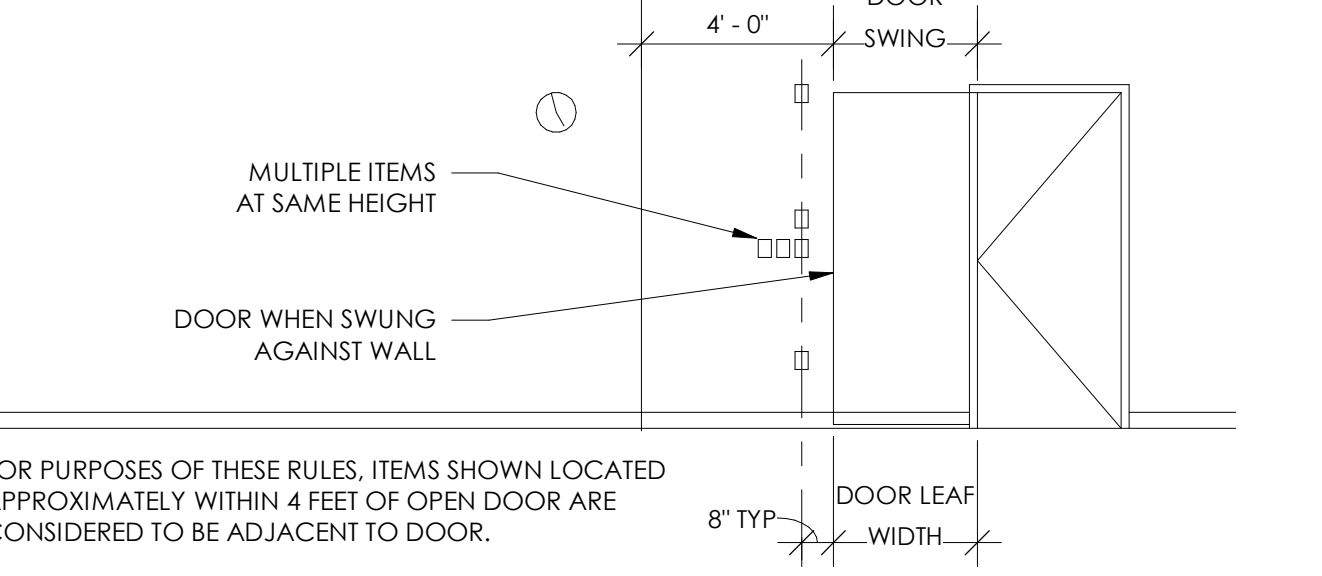


ARRANGE ITEMS AT SAME HEIGHT SYMMETRICALLY ABOUT CENTERLINE

7 NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.

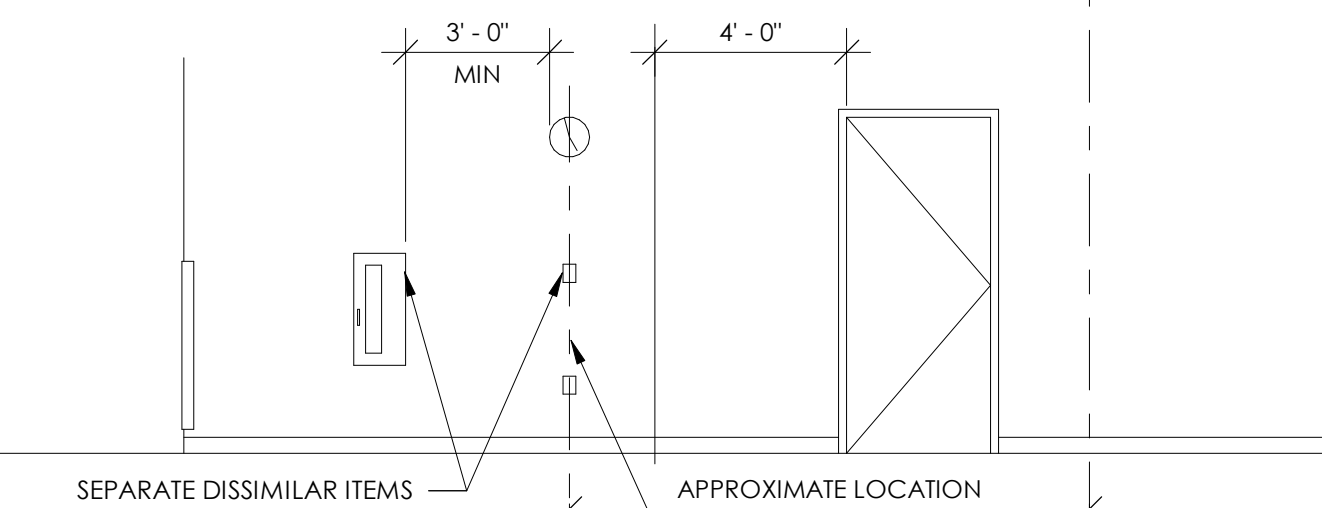


FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF OPEN DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR.

WHERE MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS OCCUR, RULE 13 ALSO APPLIES.

11 NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR AND ON WALL AGAINST WHICH DOOR SWINGS

WHEN NOT DIMENSIONED AND SHOWN ON A WALL NOT ADJACENT TO DOORS, WINDOWS, OR CHANGES IN WALL PLANE, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MAINTAIN MINIMUM 36" HORIZONTAL SEPARATION BETWEEN DISSIMILAR ITEMS OR GROUPS OF ITEMS WITH CONFLICTING MOUNTING HEIGHTS WHICH CANNOT BE VERTICALLY ALIGNED PER RULE 14.



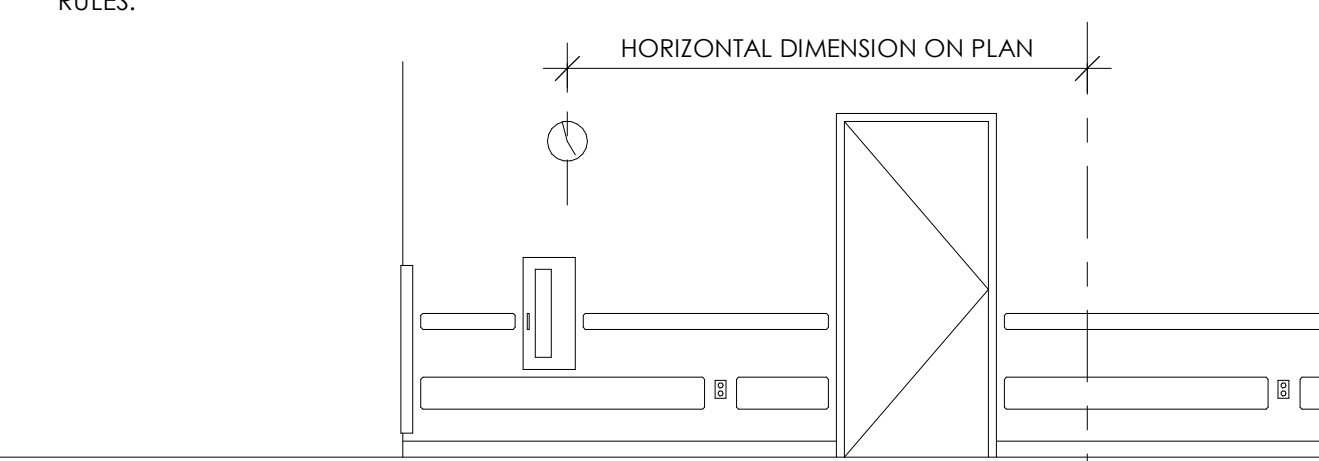
SEPARATE DISSIMILAR ITEMS WITH CONFLICTING MOUNTING HEIGHTS.

ITEMS WHICH CAN BE VERTICALLY ALIGNED PER RULE NO 14.

15 NOT DIMENSIONED AND LOCATED ON OPEN WALL

LOCATE ITEMS AT TYPICAL MOUNTING HEIGHT WHEN NO VERTICAL DIMENSION IS PROVIDED. LOCATE ITEMS AS INDICATED WHEN HORIZONTAL DIMENSION IS PROVIDED BY ELEVATION, SECTIONAL ELEVATION, DETAIL ELEVATION, PLAN, OR DETAIL PLAN.

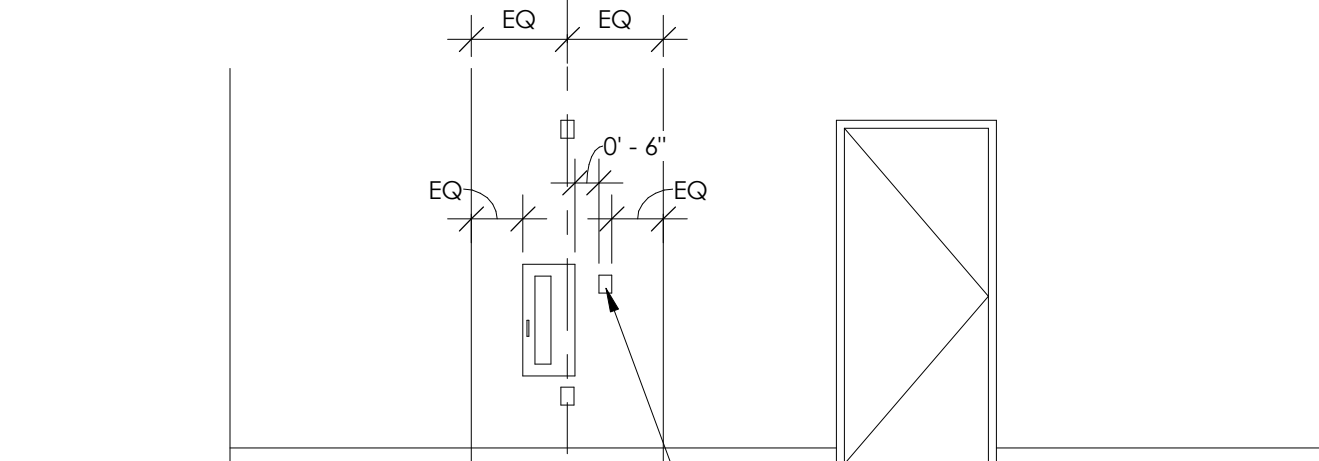
SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, DETAIL ELEVATIONS, PLANS, OR DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING LOCATION RULES.



4 WHEN DIMENSIONED HORIZONTALLY IN PLAN OR ELEVATION, BUT NOT DIMENSIONED VERTICALLY

WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER GROUP OF DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHT(S) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS RULE WITH RULE 6 AND/OR RULE 7 TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING DIFFERING, SIMILAR, AND CONFLICTING MOUNTING HEIGHTS.



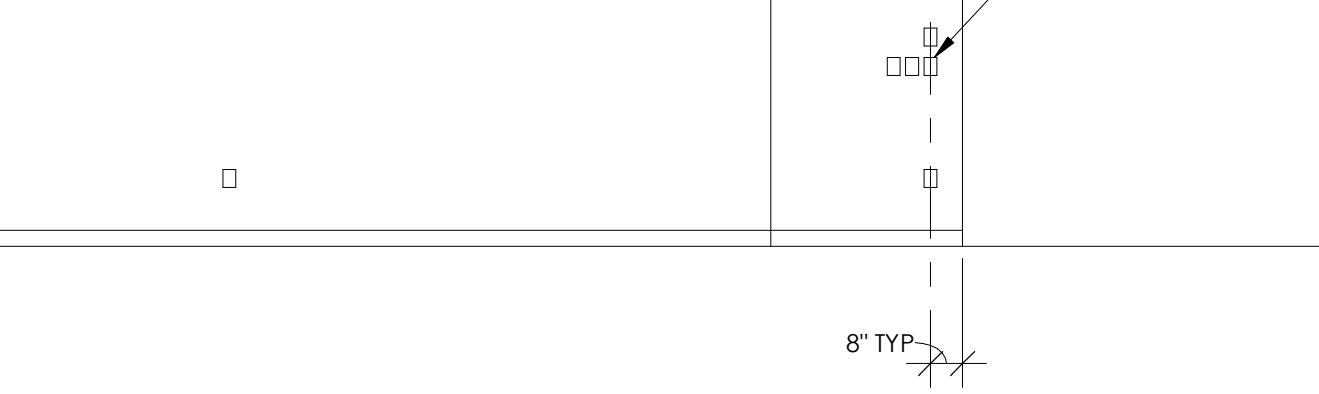
ARRANGE ITEMS AT CONFLICTING HEIGHTS SYMMETRICALLY ABOUT CENTERLINE

8 NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

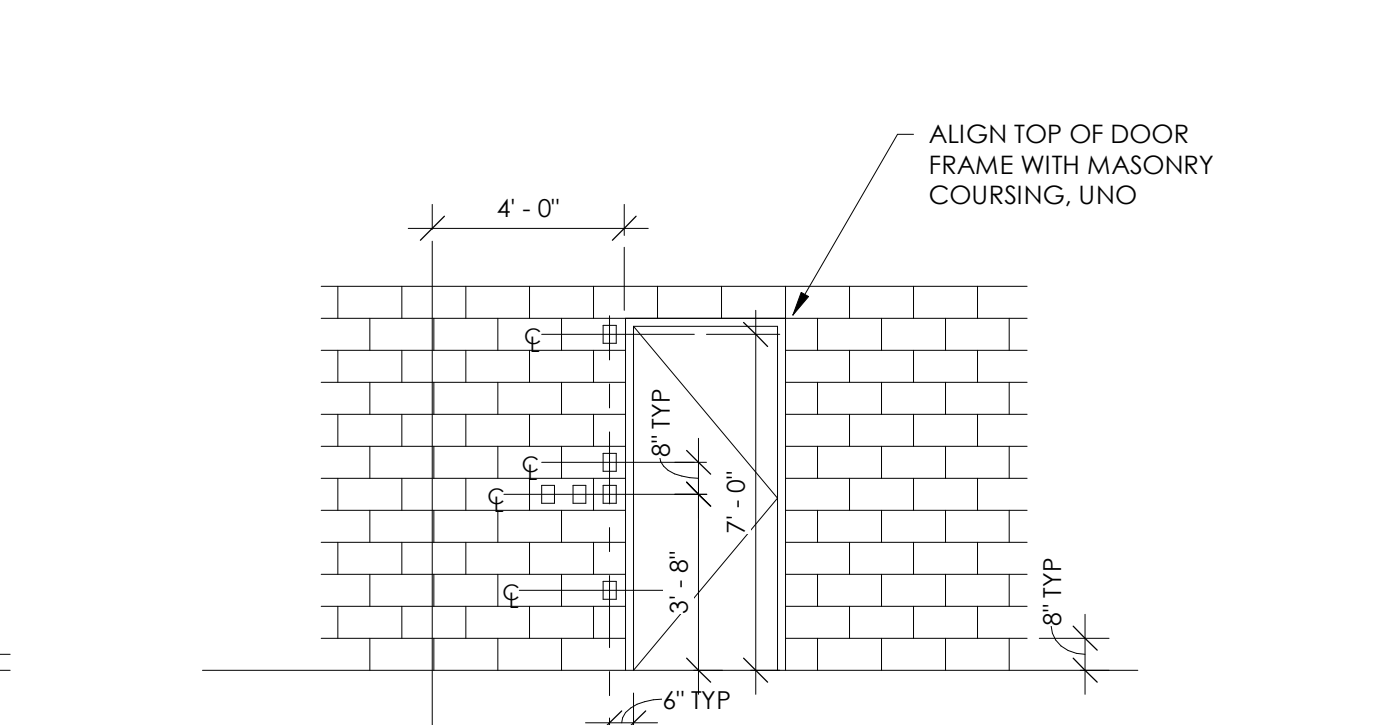
WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE SIMILAR ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE PLANE CHANGE AS ILLUSTRATED BY THIS DIAGRAM.

FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF PLANE CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE IN PLANE.

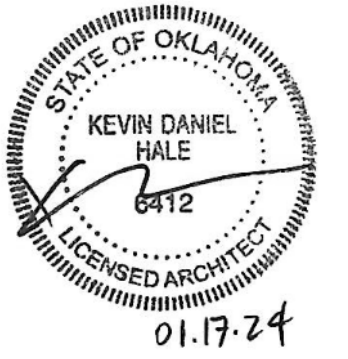


12 WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION



NOTE: REFER TO RULE 10 FOR TYPICAL NOTES.

16 NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR OR WINDOW IN MASONRY



KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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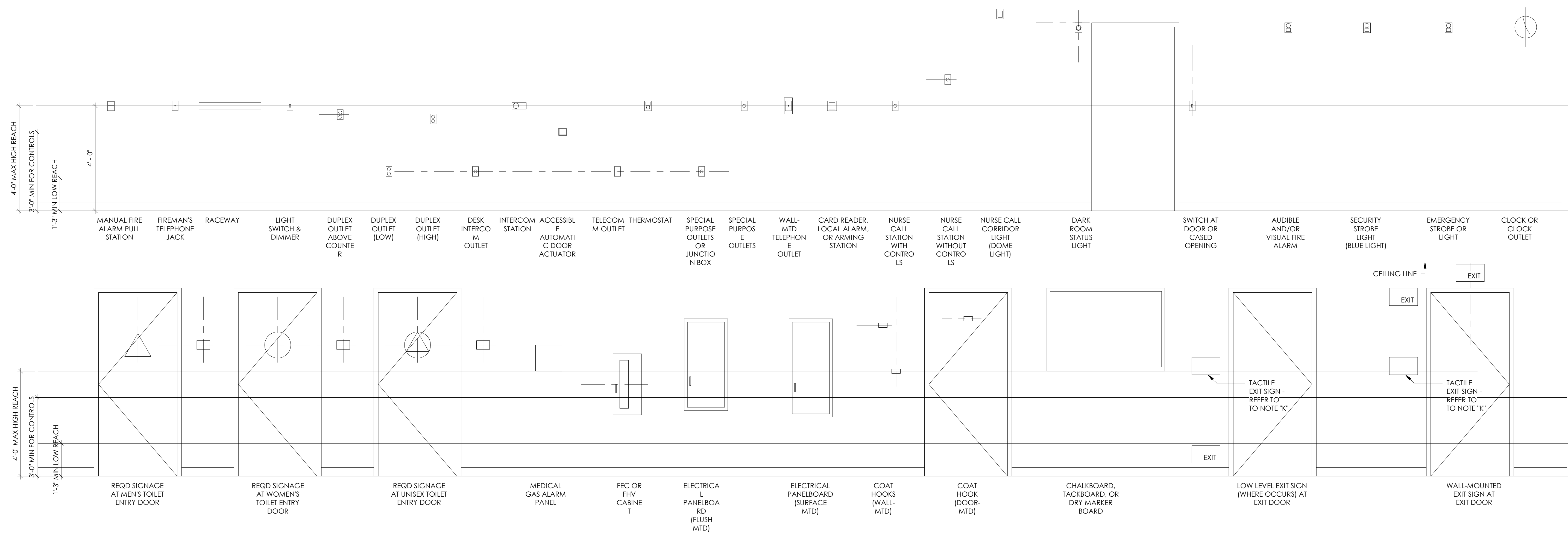
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KH / ND

SHEET TITLE:

TYPICAL RULES FOR
MOUNTING HEIGHTS

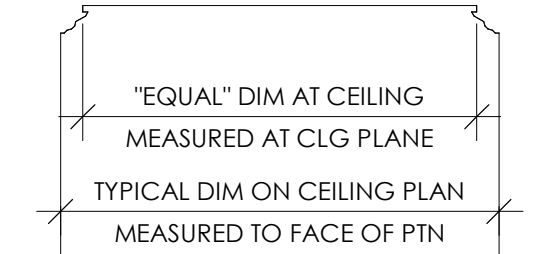


2 TYPICAL MOUNTING HEIGHTS

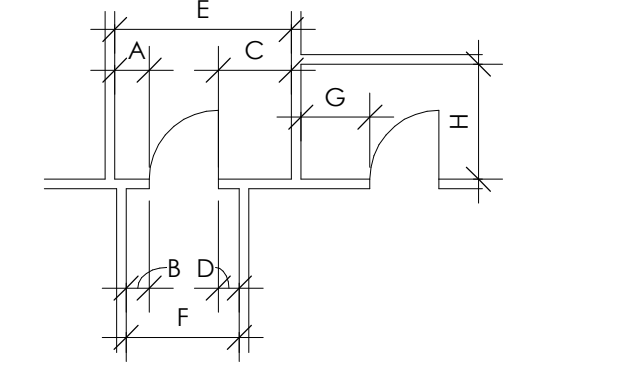
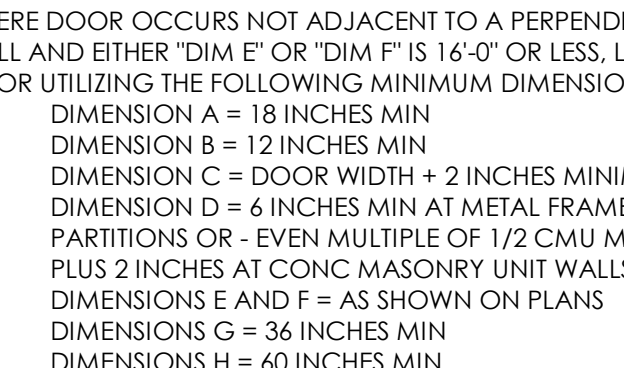
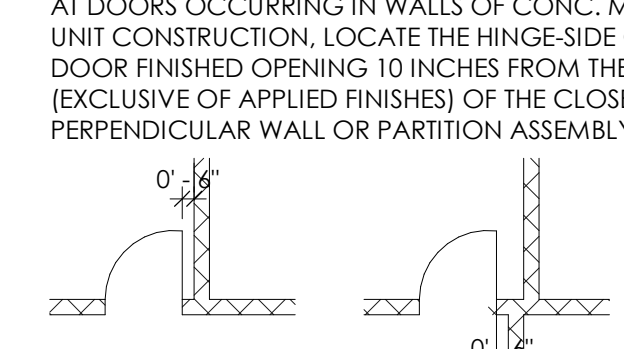
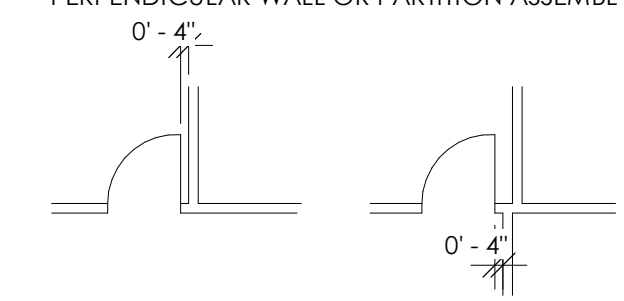
1/2" = 1'-0"

- EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN," DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.
- ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN (OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED) ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS. SEE THE NOTES BELOW AND SYMBOLS ON SHEET A001 FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.
- EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:
 - DIMENSIONS UTILIZING THE "CENTERLINE" SYMBOL ARE MEASURED TO:
 - STRUCTURAL OR DIMENSIONAL GRID LINES.
 - CENTERLINE OF CONCRETE OR CONC MASONRY UNIT WALLS (EXCLUSIVE OF FURRING OR APPLIED FINISHES HAVING THICKNESS). REFER TO THE ARCH PLANS AND SECTIONS, THE STRUCT DRAWINGS, OR PARTITION TYPES TO DETERMINE THE THICKNESS OF CONCRETE OR CONC MASONRY UNIT WALLS.
 - CENTERLINE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALLS) AT PARTITIONS FRAMED WITH METAL STUDS. REFER TO "PARTITION TYPES" TO DETERMINE THICKNESS OF EACH PARTITION TYPE.
 - CENTERLINE OF DOOR, WINDOW, OR LOUVER OPENING.
 - CENTERLINE OF EQUIPMENT OR FURNISHING.
 - CENTERLINE OF OTHER FEATURES AS INDICATED.
 - REFER TO SHEET A001 FOR SYMBOL USED TO INDICATE CENTERLINE DIMENSION.
 - DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO:
 - FACE OF CONCRETE OR CONC MASONRY UNIT WALL (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING WHICH MAY BE ADDED TO THE FACE OF SUCH WALLS).
 - FACE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALL) AS DEFINED BY THE PARTITION SCHEDULE, UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTE 'E' BELOW). DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION TYPES" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
 - INSIDE EDGE OF FINISHED DOOR OPENING. REFER TO THE "DOOR SCHEDULE" FOR ADDITIONAL DIMENSIONAL INFORMATION.
 - DIMENSION OR WORK POINT AS INDICATED ON RELATED ARCH DETAIL PLAN, SECTION, ELEVATION, LAYOUT OR CONFIGURATION DETAIL, OR CONSTRUCTION DETAIL.
 - REFER TO SHEET A001 FOR SYMBOL USED TO INDICATE "FACE OF" DIMENSION.

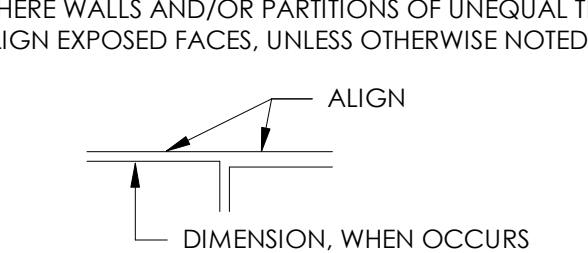
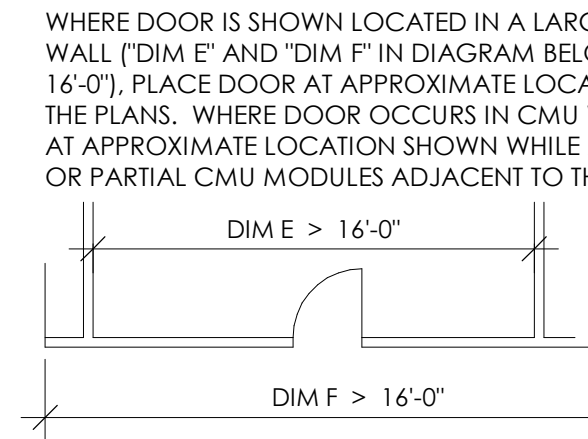
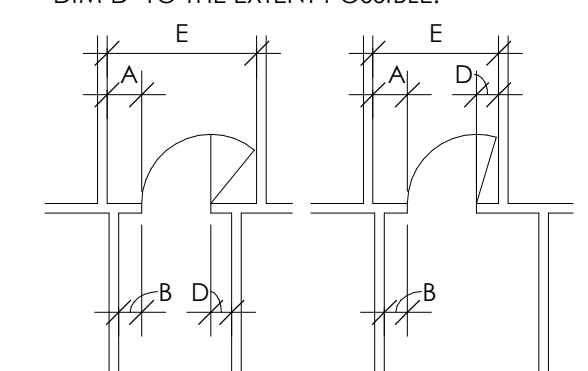
- WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, THE DIM IS MEASURED TO:
 - FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF SECTION WHERE DIMENSION IS SHOWN, WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE. THIS CASE, A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION.
 - FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINTS OF THE SECTION WHERE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS.
 - WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:
 - EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING.
 - CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS OF WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR (EXCEPT AS INDICATED BY "FOP" OR "CLEAR") BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT PLANE OF THE CEILING.



- WHERE DIMENSIONS ARE NOT PROVIDED ON FLOOR PLANS TO LOCATE DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER, TO DETERMINE THE LOCATION OF DOOR OPENINGS:
 - DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.
 - WHERE THE HINGE-SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL - OR WALLS - PERPENDICULAR TO THE WALL IN WHICH THE DOOR OPENING OCCURS:
 - AT DOORS OCCURRING IN METAL FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 6 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
 - AT DOORS OCCURRING IN WALLS OF CONC, MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE-SIDE OF THE DOOR FINISHED OPENING 10 INCHES FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
 - WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IS 16'-0" OR LESS, LOCATE DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:
 - DIMENSION A = 18 INCHES MIN
 - DIMENSION B = 12 INCHES MIN
 - DIMENSION C = DOOR WIDTH + 2 INCHES MINIMUM
 - DIMENSION D = 6 INCHES MIN AT METAL FRAMED GYP BOARD PARTITIONS OR - EVEN MULTIPLE OF 1/2 CMU MODULE PLUS 2 INCHES AT CONC MASONRY UNIT WALLS
 - DIMENSIONS E AND F = AS SHOWN ON PLANS
 - DIMENSIONS G = 36 INCHES MIN
 - DIMENSIONS H = 60 INCHES MIN
 - IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWINGS SO THAT EITHER "DIM A" EQUALS "DIM C" OR "DIM B" EQUALS "DIM D".



- IF "DIM E" IN DIAGRAMS BELOW IS LESS THAN THE SUM OF 2 TIMES THE DOOR WIDTH PLUS 20 INCHES, LOCATE DOOR SO THAT MINIMUMS STATED BY NOTE NO 4C ABOVE FOR "DIM A," "DIM B," AND "DIM D" ARE MET - MAXIMIZING "DIM A" AND MINIMIZING "DIM D" TO THE EXTENT POSSIBLE.
 - WHERE DOOR IS SHOWN LOCATED IN A LARGE EXPANSE OF OPEN WALL "DIM E" AND "DIM F" IN DIAGRAM BELOW BOTH EXCEED 16'-0". PLACE DOOR AT APPROXIMATE LOCATION SHOWN ON THE PLANS. WHERE DOOR OCCURS IN CMU WALL, PLACE DOOR AT APPROXIMATE LOCATION SHOWN WHILE MINIMIZING "CUT" OR PARTIAL CMU MODULES ADJACENT TO THE JAMBS.
 - WHERE WALLS AND/OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN EXPOSED FACES, UNLESS OTHERWISE NOTED.



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
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TYPICAL MOUNTING HEIGHTS AND DIMENSION CONVENTIONS

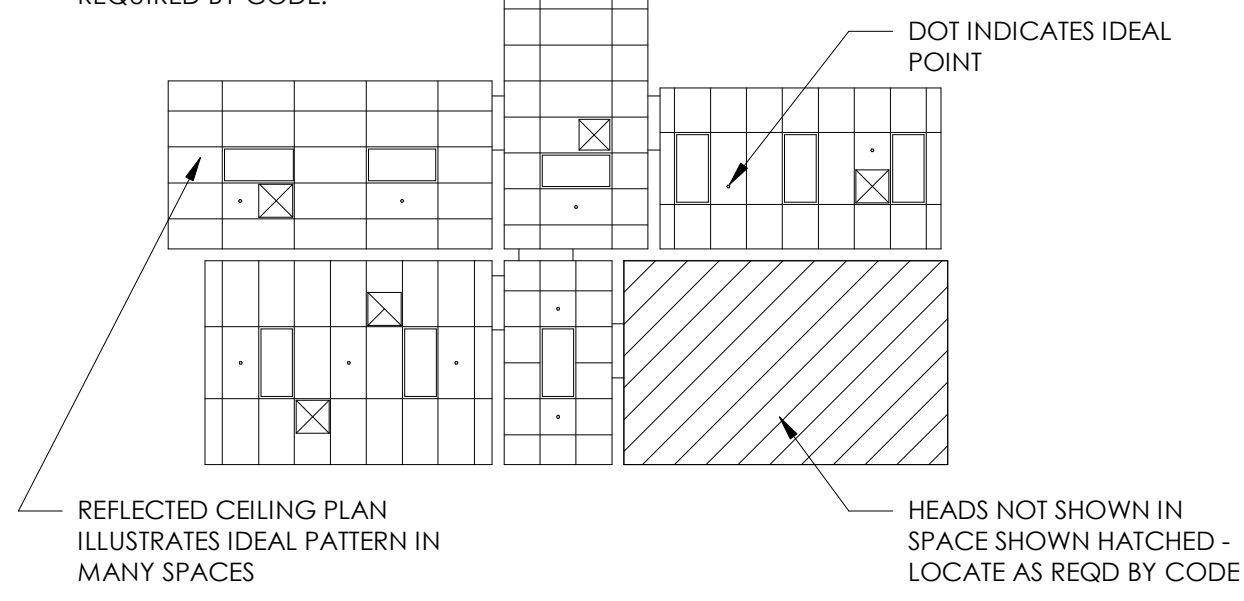
A005

1 ARCH DIMENSIONING CONVENTIONS

1/8" = 1'-0"

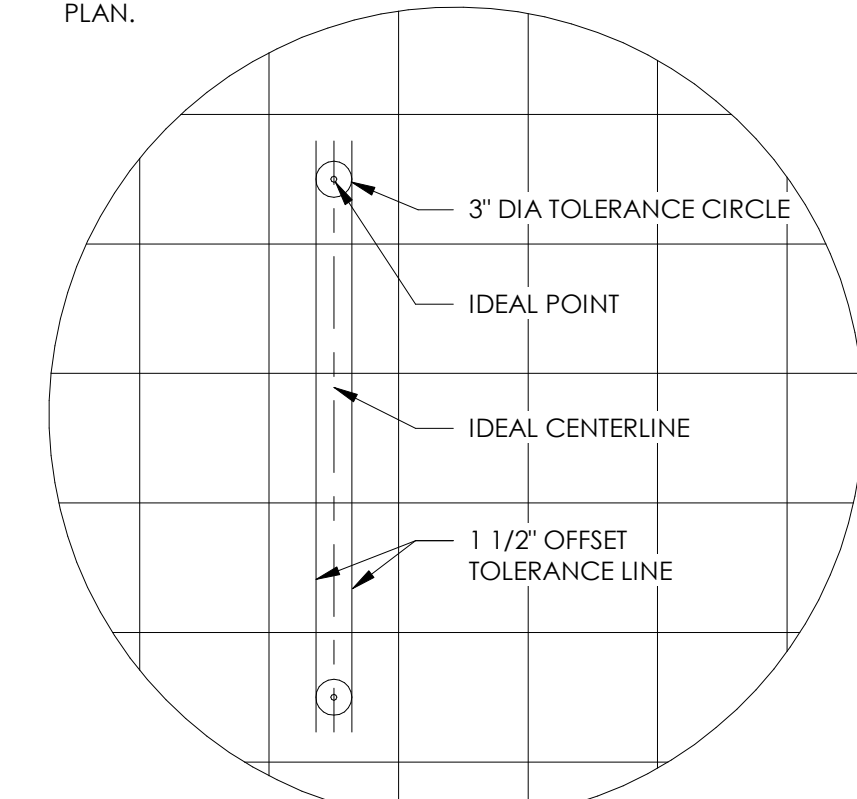
FOR MANY SPACES, THE ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH AN IDEAL PATTERN FOR LOCATING SPRINKLER HEADS. IN SPACES WHERE HEADS ARE SHOWN, FOLLOW PATTERN ESTABLISHED BY THE DRAWINGS. WHERE ADJL HEADS ARE REQUIRED TO CONFORM WITH CODE, PROVIDE HEADS IN GENERAL CONFORMITY WITH PATTERN ESTABLISHED BY THE DRAWINGS.

IN SPACES WHERE SPRINKLER HEADS ARE NOT SHOWN BY THE ARCHITECTURAL REFLECTED CEILING PLANS, PROVIDE HEADS AS REQUIRED BY CODE.



1 LOCATE HEADS AS SHOWN ON A-SERIES DRAWINGS

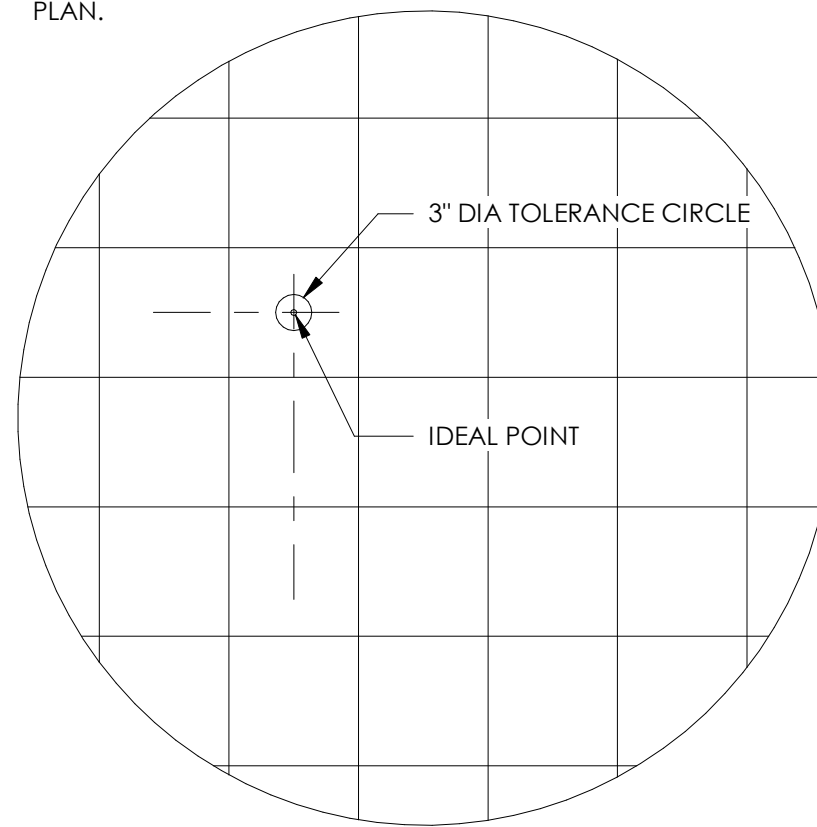
LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.



3 LOCATE LINES OF HEADS WITHIN 1 1/2" OF IDEAL CENTERLINE

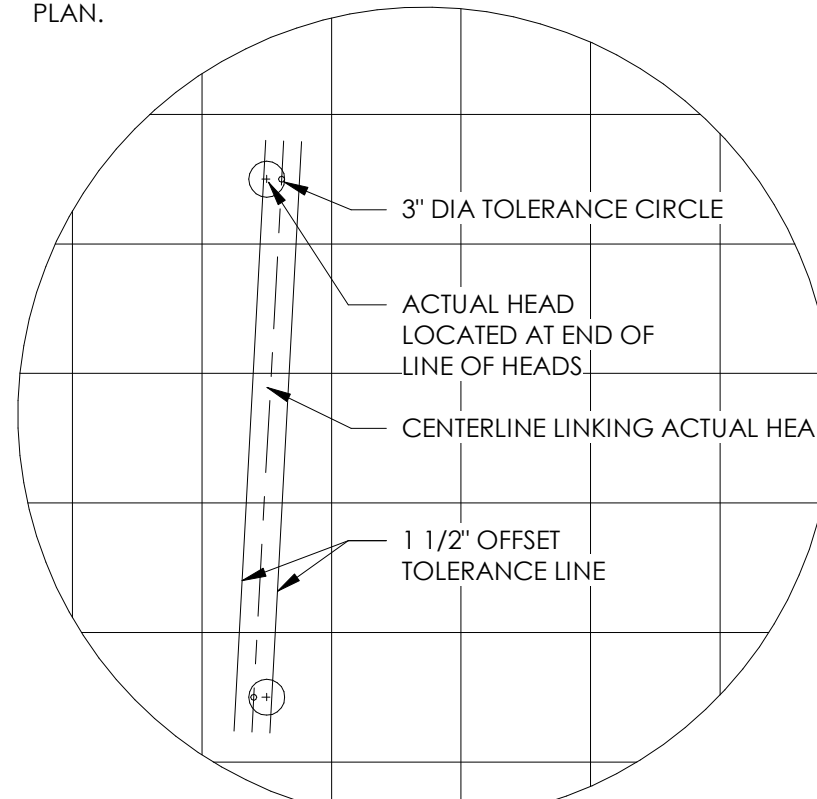
RULES NO. 2, NO. 3, AND 4 WHEN COMBINED MAY RESULT IN MORE RESTRICTIVE TOLERANCES

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.

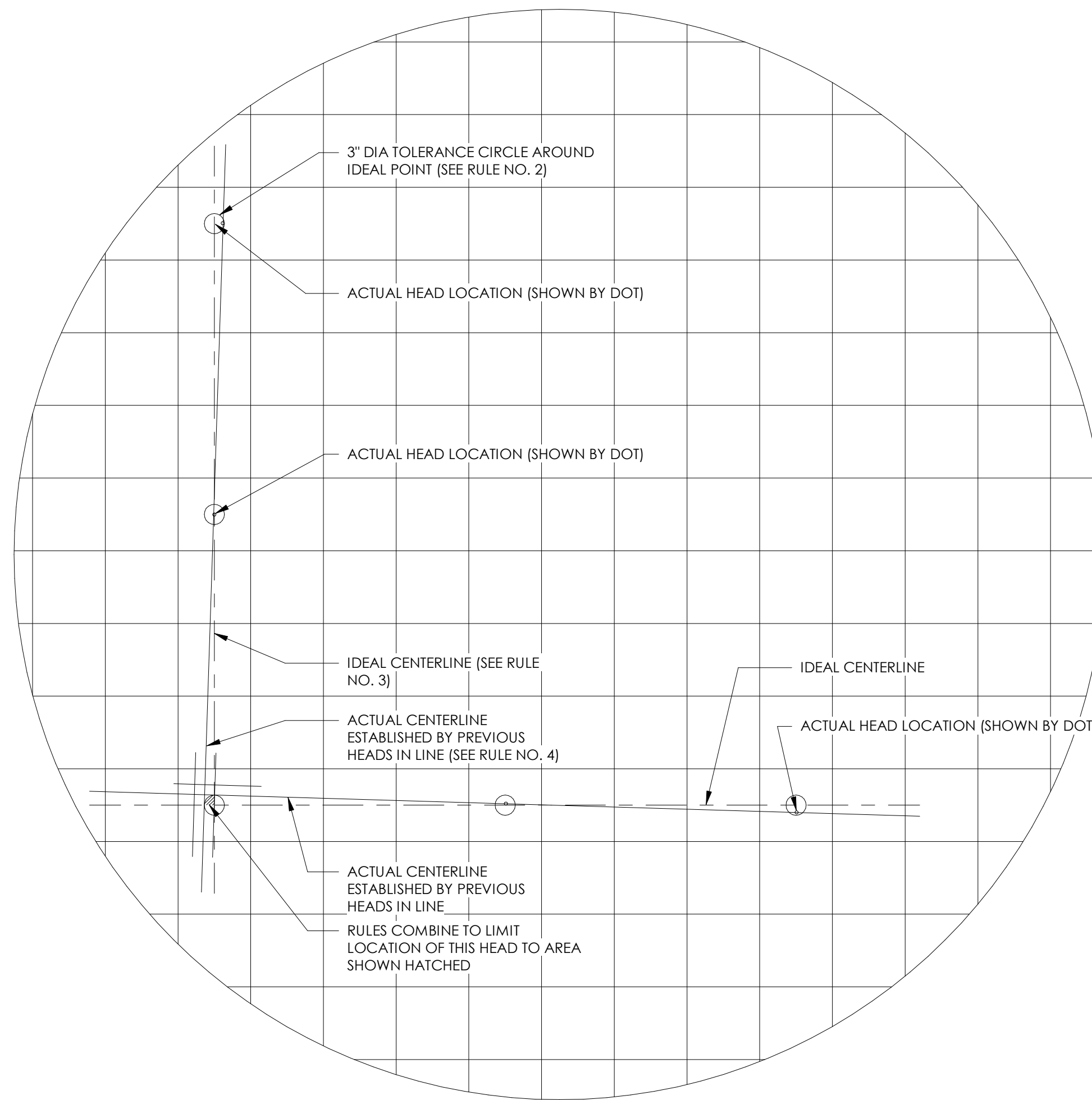


2 LOCATE HEADS WITHIN 3" DIAMETER OF IDEAL LOCATION POINT

LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.

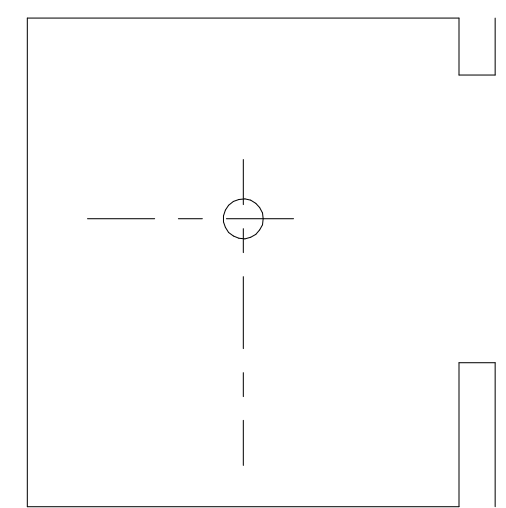


4 LOCATE LINES OF HEADS WITHIN 1 1/2" OF LINE LINKING ACTUAL END HEADS



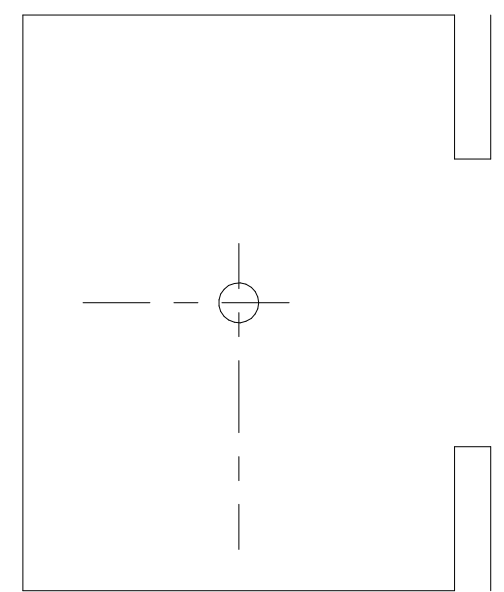
5 RULES COMBINED

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED BY A REFLECTED CEILING PLAN, ENLARGED REFLECTED CEILING PLAN, OR DETAIL. SPECIFIC DIMENSIONS SHOWN BY REFLECTED CEILING PLANS, ELEVATIONS, OR DETAILS TAKE PRECEDENCE OVER TYPICAL LOCATION RULES.



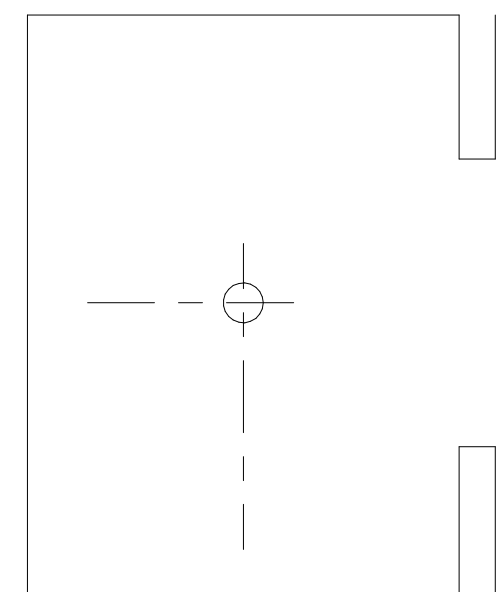
1 WHEN COMPLETELY DIMENSIONED ON REFLECTED CEILING PLAN

LOCATE ITEMS CENTERED IN SPACE (OR CEILING PLANE) WHEN SHOWN (BUT NOT DIMENSIONED) VISUALLY AT APPROXIMATE CENTER OF SPACE.



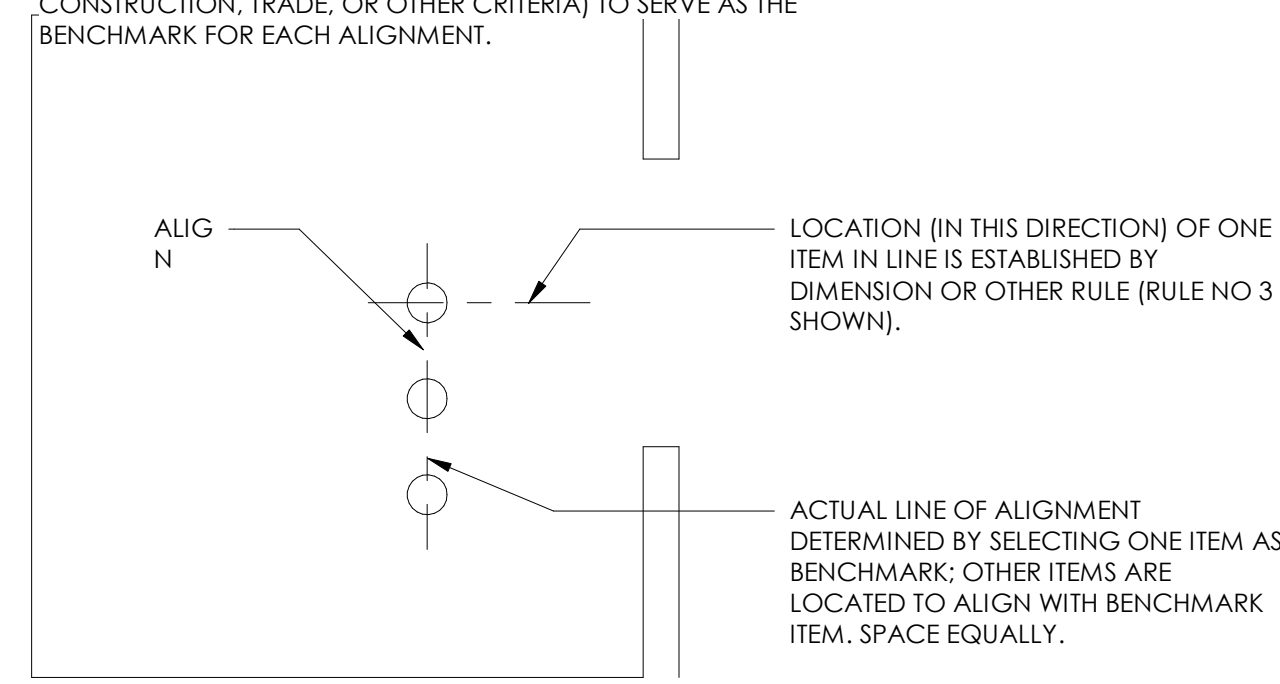
2 WHEN NOT DIMENSIONED BUT SHOWN CENTERED

LOCATE ITEMS CENTERED ON ADJACENT OPENING OR FEATURE WHEN SHOWN (BUT NOT DIMENSIONED) OFF-CENTER IN OVERALL SPACE BUT CENTERED AGAINST ADJACENT FEATURE.



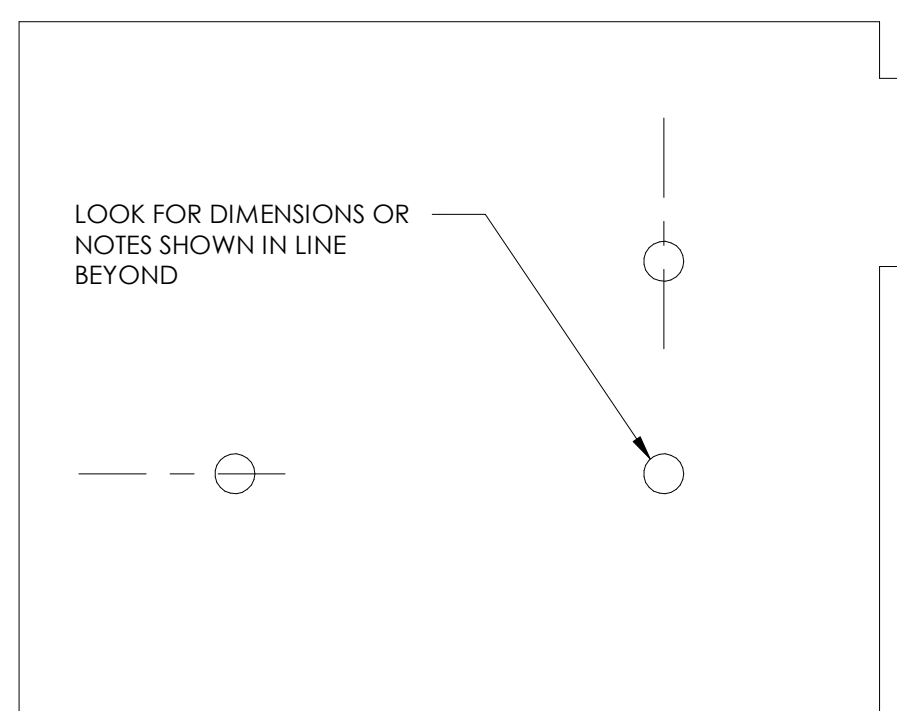
3 WHEN OFF-CENTER IN SPACE BUT CENTERED ON ADJACENT FEATURE

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) ALIGNED WITH ADJACENT ITEMS FOR WHICH DIMENSIONS OR RULES ARE PROVIDED. VISUAL ALIGNMENT IS CRITICAL. THE CONTRACTOR SHALL SELECT ONE ITEM IN EACH LINE (ON BASIS OF TOLERANCES, SEQUENCE OF CONSTRUCTION, TRADE, OR OTHER CRITERIA) TO SERVE AS THE BENCHMARK FOR EACH ALIGNMENT.



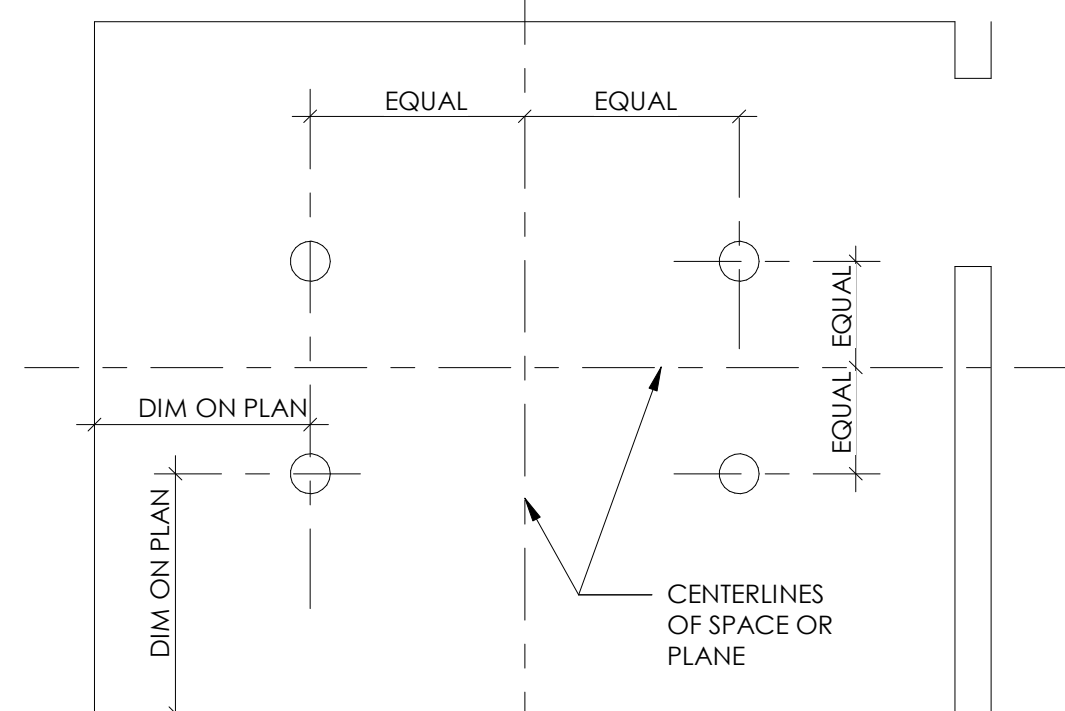
4 WHEN ALIGNED WITH OTHER FEATURES

LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).



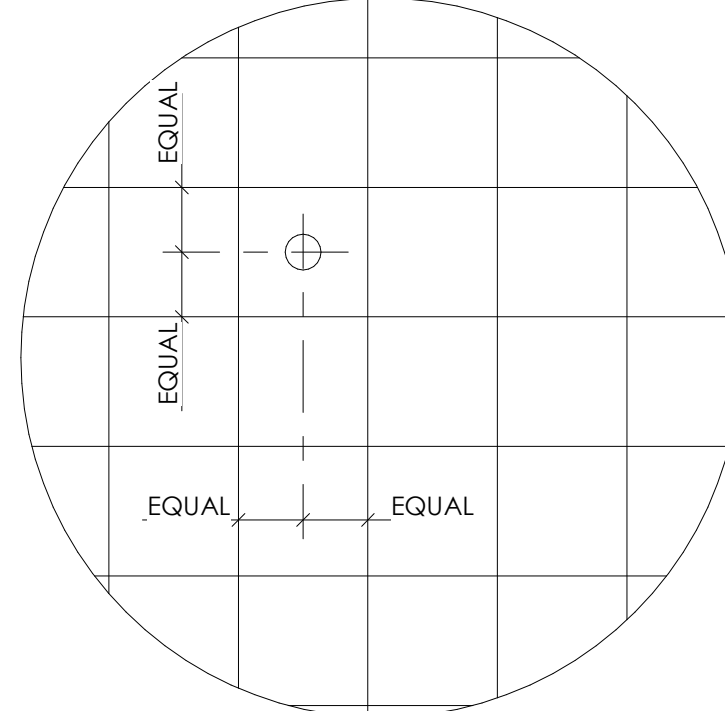
5 ALIGN WITH FEATURES SHOWN DIMENSIONED ELSEWHERE IN SPACE

LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).



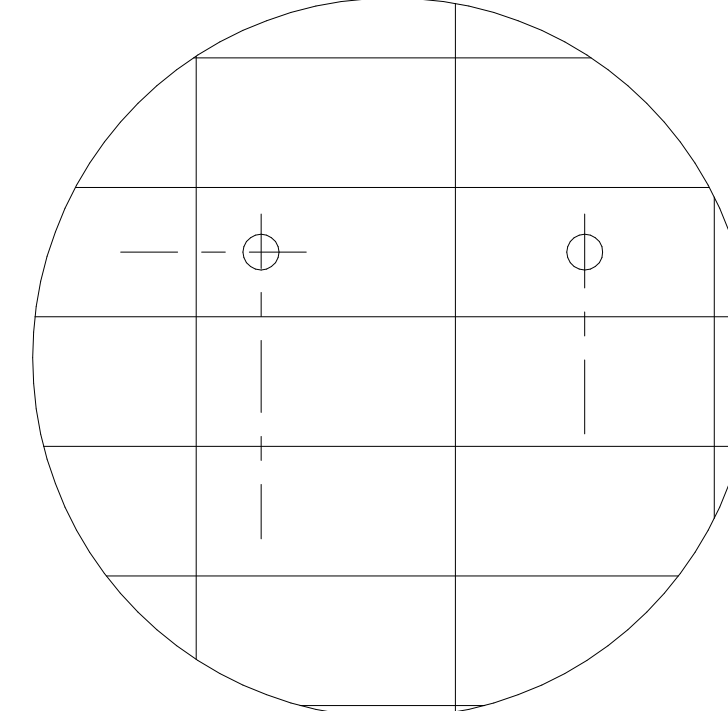
6 LOCATE FEATURES SYMMETRICALLY

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) AT CENTER OF PANEL ON SQUARE GRID-TYPE CEILINGS

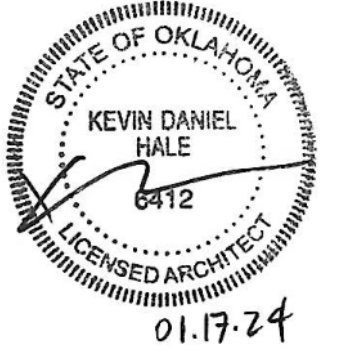


7 WHEN NOT DIMENSIONED BUT OCCURS ON A SQUARE GRID-TYPE CEILING

LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC) AT CENTER OF SHORT DIRECTION OF RECTANGULAR PANEL; LOCATE AT 1/4, 1/2, OR 3/4 POINT OF LONG DIRECTION OF RECTANGULAR PANEL



8 WHEN NOT DIMENSIONED BUT OCCURS ON A RECTANGULAR GRID-TYPE CEILING



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

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ISSUE 01: RE-BID CONSTRUCTION SET

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01.17.2024

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1ARCH

CHECKED BY:

KH / ND

SHEET TITLE:

**TYPICAL RULES FOR
RCPs & SPRINKLERS**

LEGAL DESCRIPTION

THE SURFACE AND SURFACE RIGHTS ONLY IN A TRACT OF LAND LOCATED IN THE SE/4 OF SECTION 02, TOWNSHIP 06 NORTH, RANGE 18 WEST OF THE INDIAN BASE AND MERIDIAN, KIOWA COUNTY, OKLAHOMA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SE CORNER OF THE SAID SE/4; THENCE N 00°06'58" E ALONG THE EAST LINE OF THE SAID SE/4 A DISTANCE OF 1414.12 FEET; THENCE N 89°53'02" W PERPENDICULAR TO THE SAID EAST LINE A DISTANCE OF 66.30 FEET TO THE WEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 183, AND THE POINT OF BEGINNING; THENCE N 89°52'41" W A DISTANCE OF 1304.40 FEET; THENCE N 00°06'58" E A DISTANCE OF 373.30 FEET; THENCE S 89°52'41" E A DISTANCE OF 1320.00 FEET TO THE SAID WEST RIGHT-OF-WAY LINE; THENCE S 01°06'35" E ALONG THE SAID WEST RIGHT-OF-WAY LINE A DISTANCE OF 307.98 FEET; THENCE S 18°51'28" A DISTANCE OF 69.05 FEET TO THE POINT OF BEGINNING, CONTAINING 11.33 ACRES, MORE OR LESS.

GENERAL NOTES

- ALL DIMENSIONS SHOWN HEREON ARE TO FACE OF CURB OR RETAINING WALL UNLESS STATED OTHERWISE.
- THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF ALL MEASUREMENTS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT OKIE ONE CALL TO LOCATE ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CITY OF OKLAHOMA CITY STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING O.D.O.T. 2019 EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY WORK ORDERS AND PERMITS FROM THE CITY OF OKLAHOMA CITY, INCLUDING PROVISIONS OF BONDS AND INSURANCE AS REQUIRED PRIOR TO CONSTRUCTION.

ORIGINAL BENCHMARK #1

O.D.O.T. BCM NO. K-38-170
GPS POINT NO. 7400 FROM STATE HIGHWAY PROJ. NO. NHY-009N(005), LOCATED ±183' WEST AND ±96' SOUTH OF THE SE COR. OF SEC. 2, T6N, R18W, I.M. IN THE ☐ OF THE INTERSECTION OF HIGHWAY 183 AND HIGHWAY 9.

ELEVATION = 1534.81 FEET (NAVD-88 DATUM)

ORIGINAL BENCHMARK #2

O.D.O.T. BCM NO. K-38-172
GPS POINT NO. 7401 FROM STATE HIGHWAY PROJ. NO. NHY-009N(005), LOCATED ±217' SOUTH OF THE SOUTH 1/4 CORNER OF SEC. 2, T6N, R18W, I.M., IN THE ☐ OF HIGHWAY 9.

ELEVATION = 1542.21 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #1

SET MAG NAIL IN ASPHALT ON THE WEST EDGE OF HIGHWAY 183, LOCATED ±1788 FEET NORTH OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.

ELEVATION = 1550.08 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #3

TOP NUT OF FIRE HYDRANT ON THE NORTH SIDE OF HIGHWAY 9, LOCATED ±63 FEET NORTH & ±1562 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.

ELEVATION = 1534.03 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #2

TOP NUT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF HIGHWAY 183 AND HIGHWAY 9 INTERSECTION, LOCATED ±74 FEET NORTH & ±118 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.

ELEVATION = 1539.55 FEET (NAVD-88 DATUM)

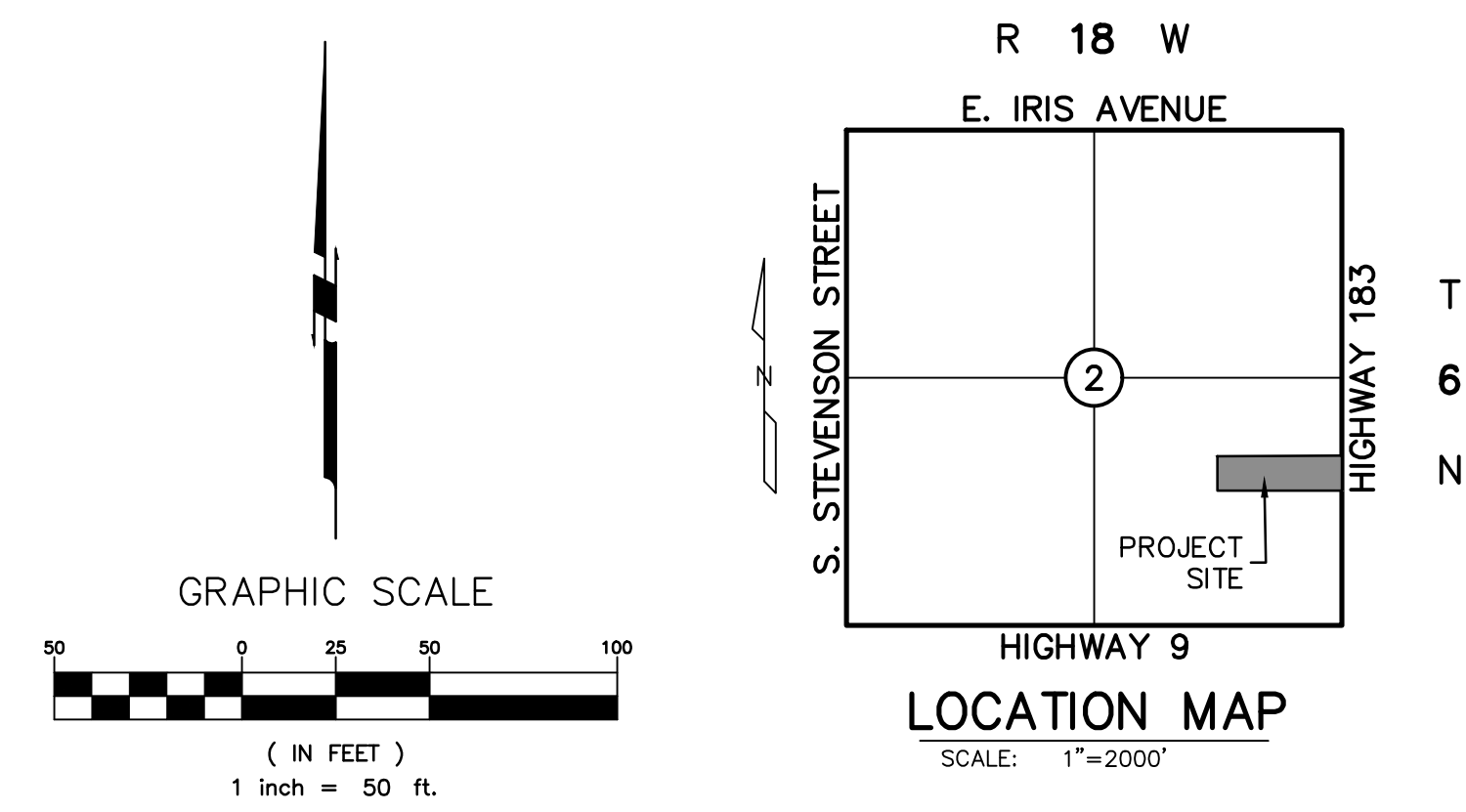
ONSITE BENCHMARK #4

TOP NUT OF FIRE HYDRANT ON THE NORTHWEST SIDE OF AN ABANDONED ASPHALT ROAD RUNNING SW/NE ON THE WEST SIDE OF THE PROJECT, LOCATED ±840 FEET NORTH & ±1836 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.

ELEVATION = 1537.56 FEET (NAVD-88 DATUM)

CIVIL SHEET INDEX

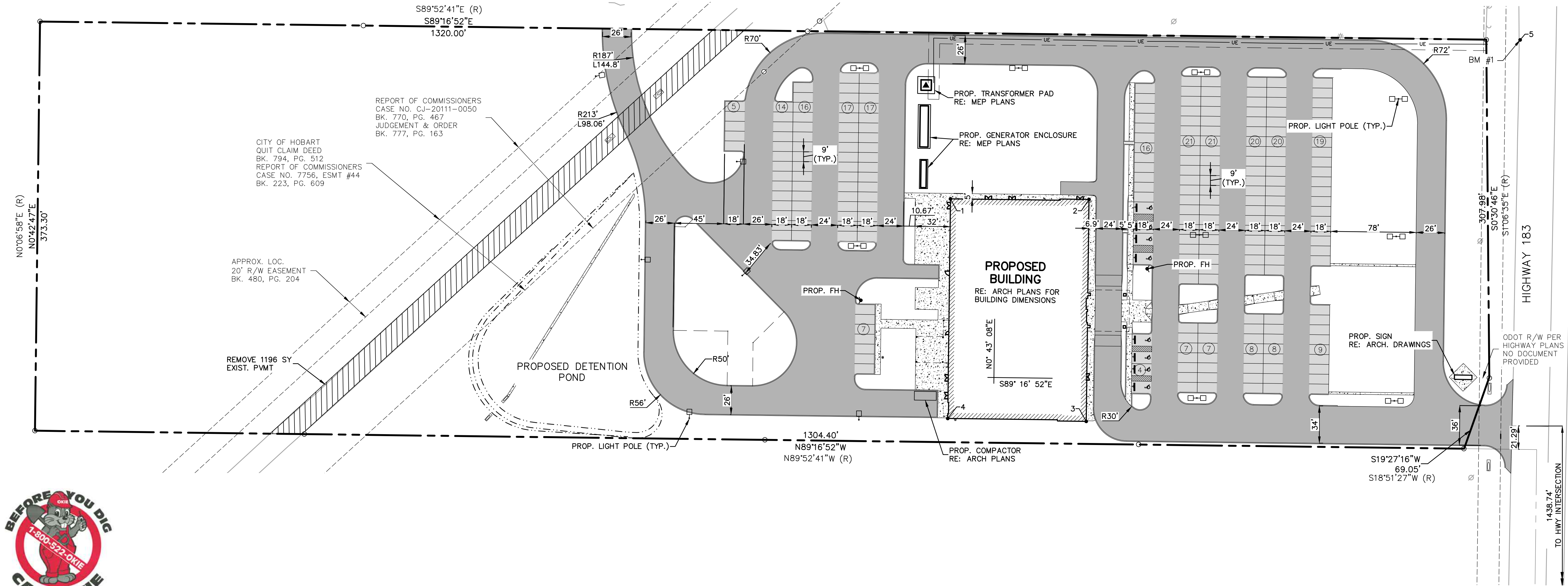
- C1.0 OVERALL SITE PLAN
- C1.1 DIMENSIONAL CONTROL PLAN
- C1.2 DIMENSIONAL CONTROL PLAN
- C2.0 EROSION & SEDIMENTATION CONTROL NOTES
- C2.1 EROSION & SEDIMENTATION CONTROL PLAN
- C3.0 GRADING PLAN
- C3.0R PAVING & GRADING PLAN ADDITIONAL CONSTRUCTION INFO
- C3.1 GRADING PLAN
- C3.2 GRADING PLAN
- C3.3R GRADING DETAILS
- C3.4 GRADING DETAILS
- C4.0 UTILITY PLAN
- C4.0R UTILITIES GENERAL LAYOUT ADDITIONAL CONSTRUCTION INFO
- C4.1 UTILITY ENLARGED VIEW
- C4.2R UTILITY DETAILS
- W1 PUBLIC WATERLINE PLAN TITLE SHEET
- W2 PUBLIC WATERLINE GENERAL LAYOUT
- W3 PUBLIC WATERLINE "A" PLAN & PROFILE
- W4 PUBLIC WATERLINE "B" PLAN & PROFILE
- W-STD-01 WATER STANDARD DETAILS
- W-STD-02 WATER STANDARD DETAILS
- W-STD-03 WATER STANDARD DETAILS
- W-STD-04 WATER STANDARD DETAILS
- W-STD-06 WATER STANDARD DETAILS



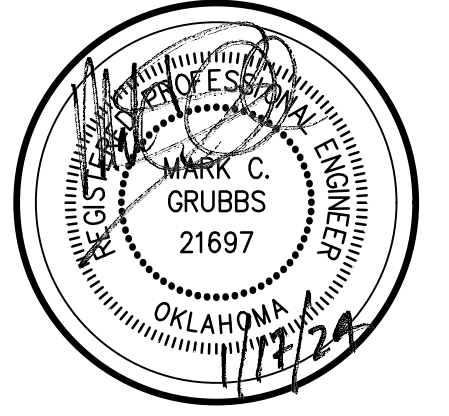
BLDG COORDINATE TABLE

POINT #	NORTHING	EASTING
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2	615513.5722	1650467.7909
3	615311.1298	1650465.2505
4	615313.7788	1650338.8354
5	615659.0850	1650861.2450
6	613774.9670	1650675.7540

NOTE: POINT 5 AND 6 ARE ONSITE BENCHMARK #1 AND ORIGINAL BENCHMARK #1 RESPECTIVELY AND ARE LISTED FOR REFERENCE ONLY.



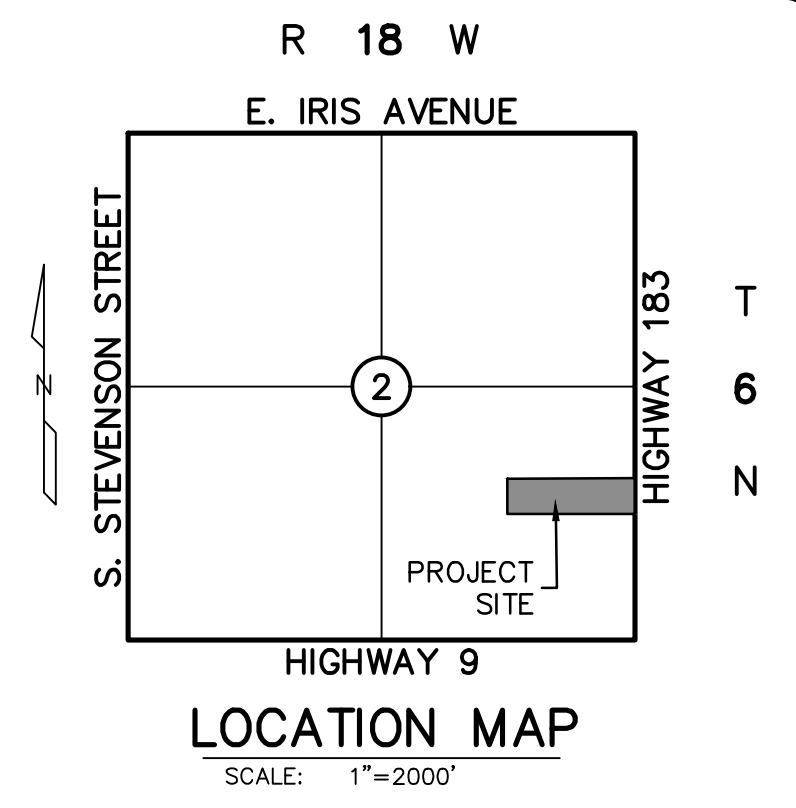
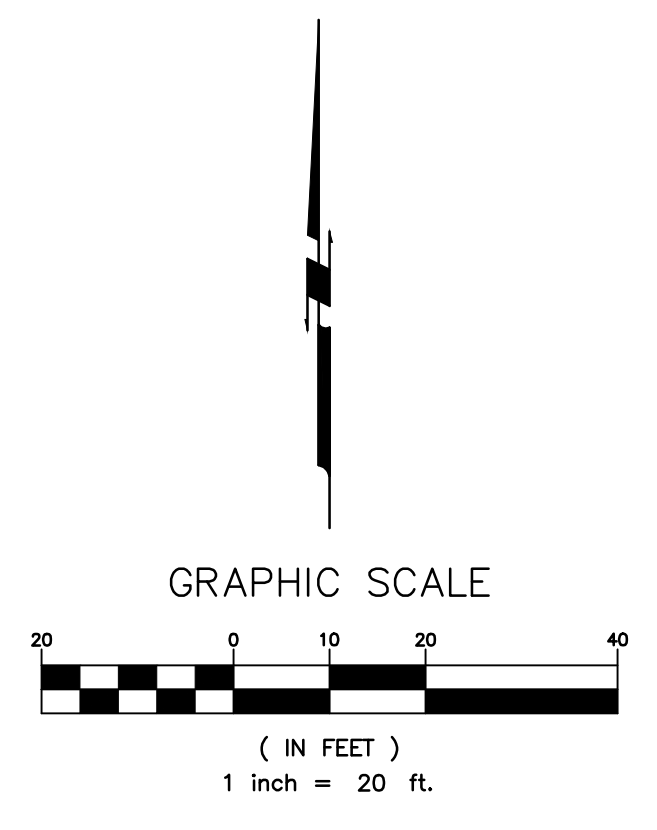
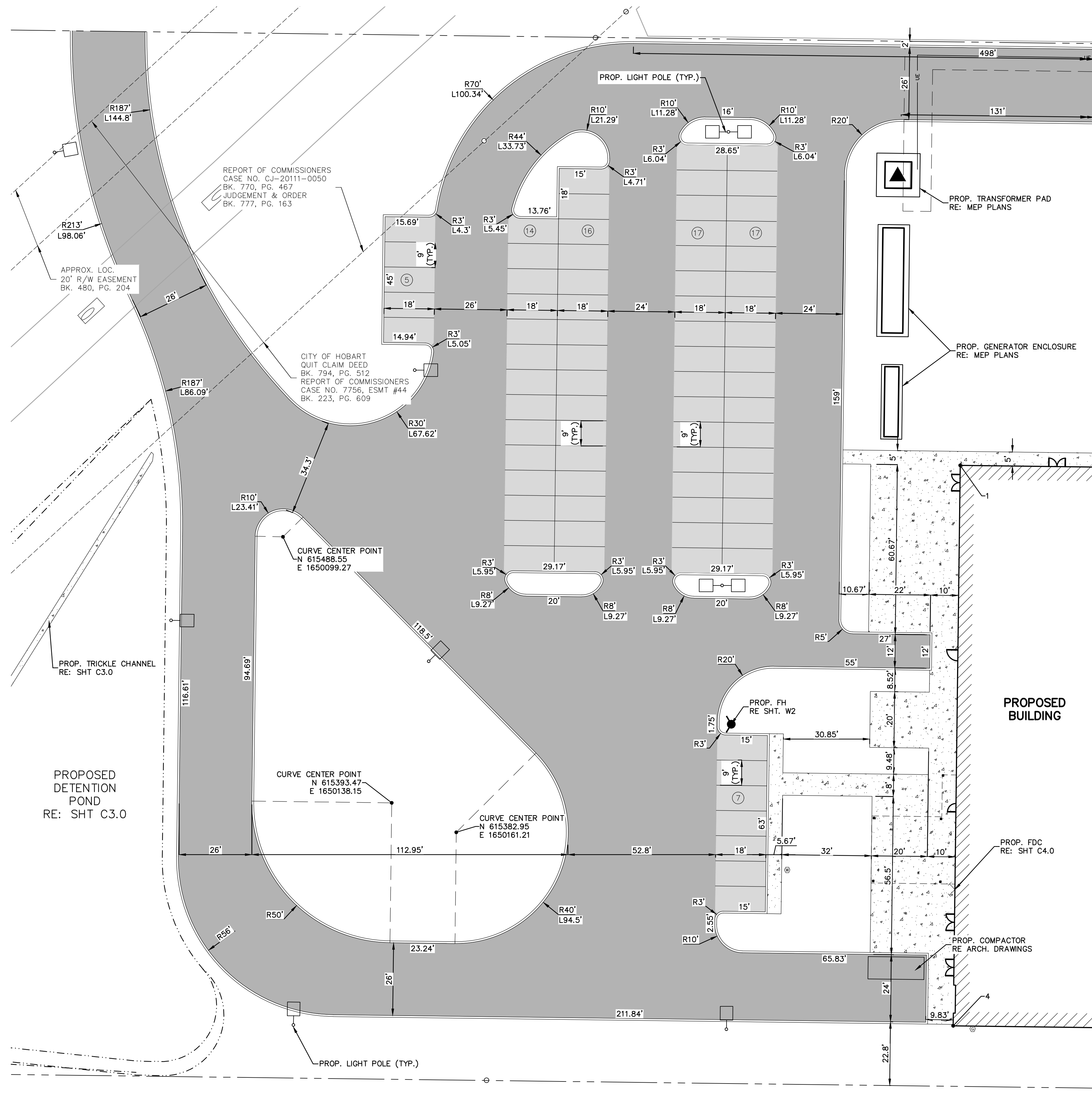
RUBBS CONSULTING, LLC
CIVIL ENGINEERING & LAND PLANNING
1836 S. STEVENSON STREET
HOBBART, OK 73309
Phone: (405) 265-0641
Fax: (405) 265-0649
GRUBBS CONSULTING, LLC CERTIFICATE OF AUTHORIZATION NO. CA.5115 EXPI. 06/30/24



KIOWA CASINO
13765 US HIGHWAY 183
HOBBART, KIOWA COUNTY, OKLAHOMA
OVERALL SITE PLAN

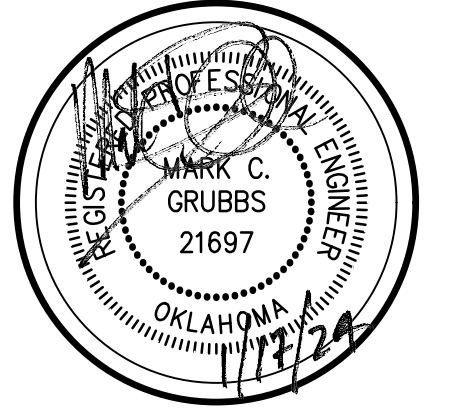
NO.	REVISIONS	DATE
02-004	05/24/2022	
	(Ver.) N/A	
	Drawn By: [Signature]	
	Checked By: [Signature]	
	Approved By: [Signature]	

SHEET NUMBER
C1.0



UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

RUBBS CONSULTING, LLC
CIVIL ENGINEERING & LAND PLANNING
1800 N. W. 73rd St.
Yukon, OK 73099
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GRUBBS CONSULTING, LLC. CERTIFICATE OF AUTHORIZATION NO. CA-5115 EXPI. 09/30/24

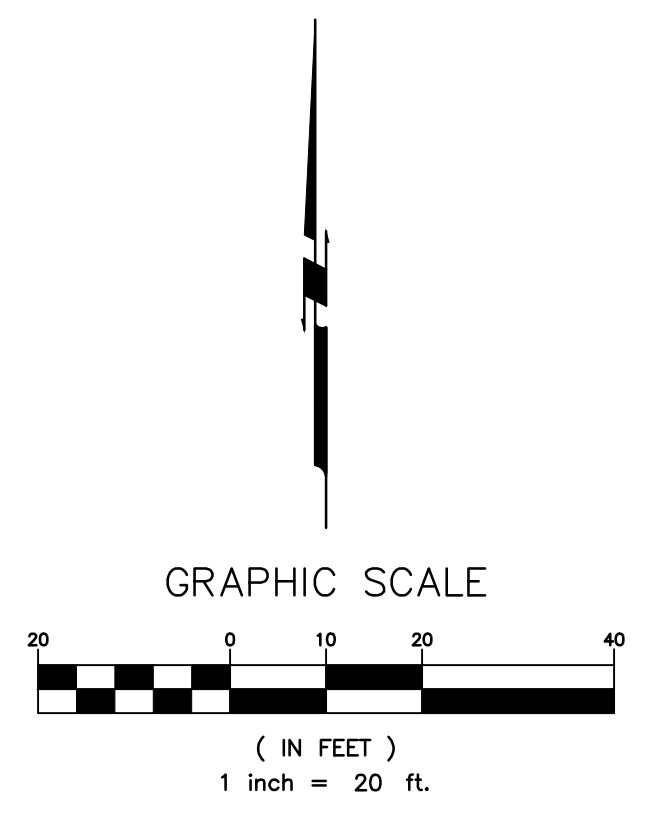
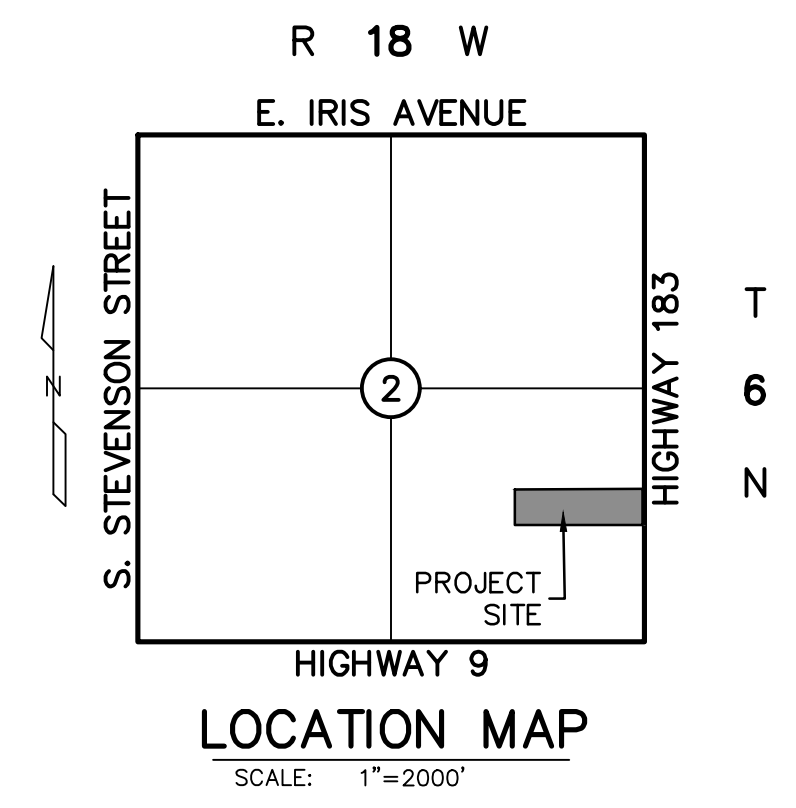
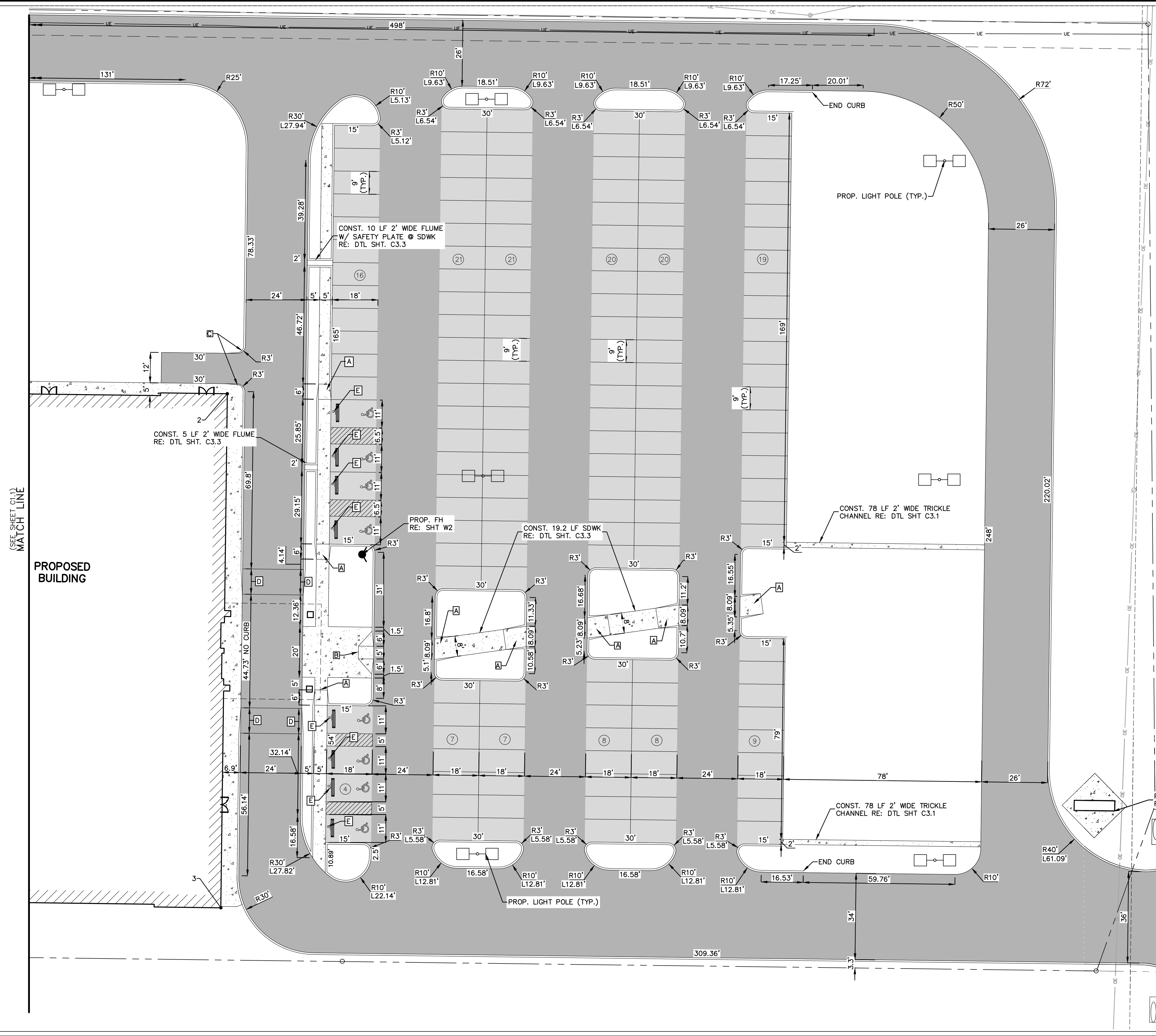


KIOWA CASINO
13765 US HIGHWAY 183
HOBART, KIOWA COUNTY, OKLAHOMA
DIMENSIONAL CONTROL PLAN

NO.	REVISIONS	DESCRIPTION	DATE

Proj. No.: 22-004
Date: 05/24/2022
Scale: (Horiz.) 1"=20'
(Vert.) N/A
Drawn By: JBF
Checked By: MGS
Approved By: MGS

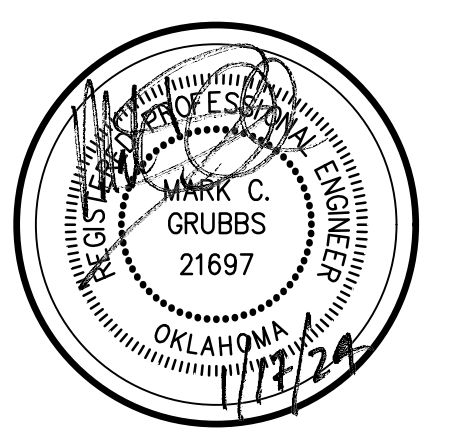
SHEET NUMBER
C1.1



UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

- NOTE KEY:**
- A PROP. HC RAMP
RE: DTL. SHT. C3.3
 - B PROP. WING RAMP
RE: DTL. SHT. C3.3
 - C TRANSITION CURB 0-6"
OVER 6'
 - D TRANSITION CURB 0-6"
OVER 10'
 - E PROP. HANDICAP SIGN
& WHEEL STOP
RE: DTL. SHT. C3.3

RUBBS CONSULTING, LLC
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1800 N. WILSON
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Phone: (405) 265-0641
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GRUBBS CONSULTING, LLC. CERTIFICATE OF AUTHORIZATION NO. CA.5115 EXP. 09/30/24

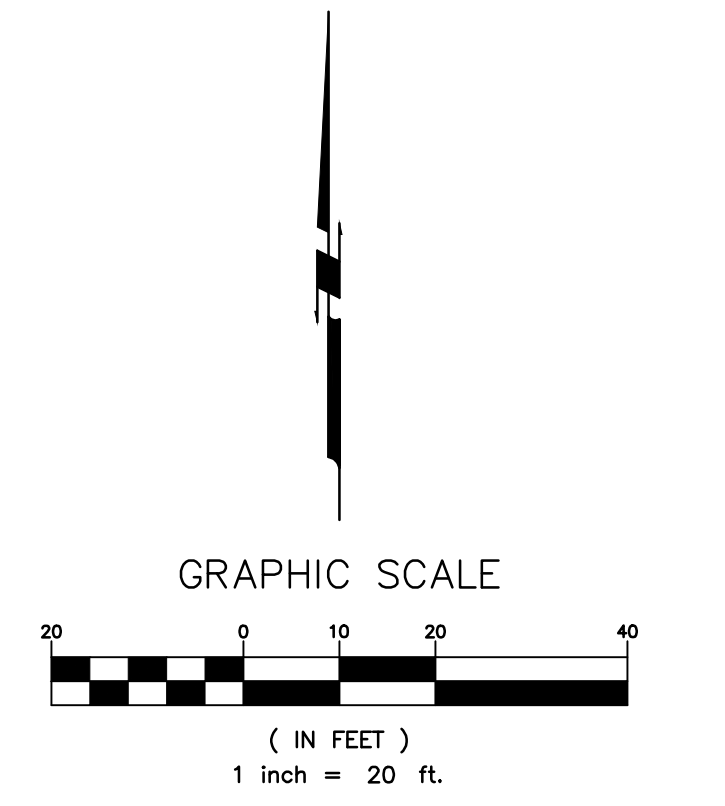
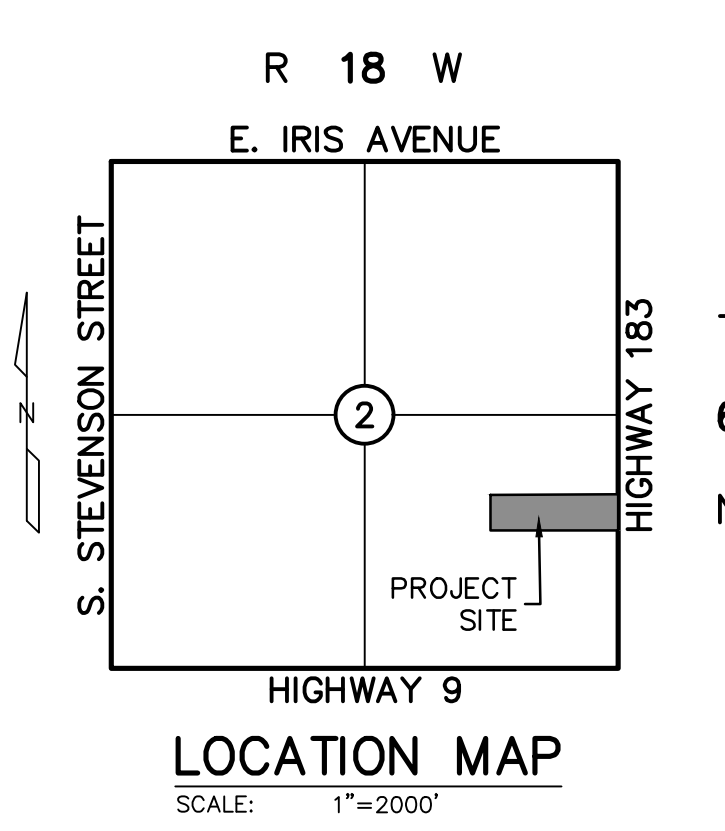
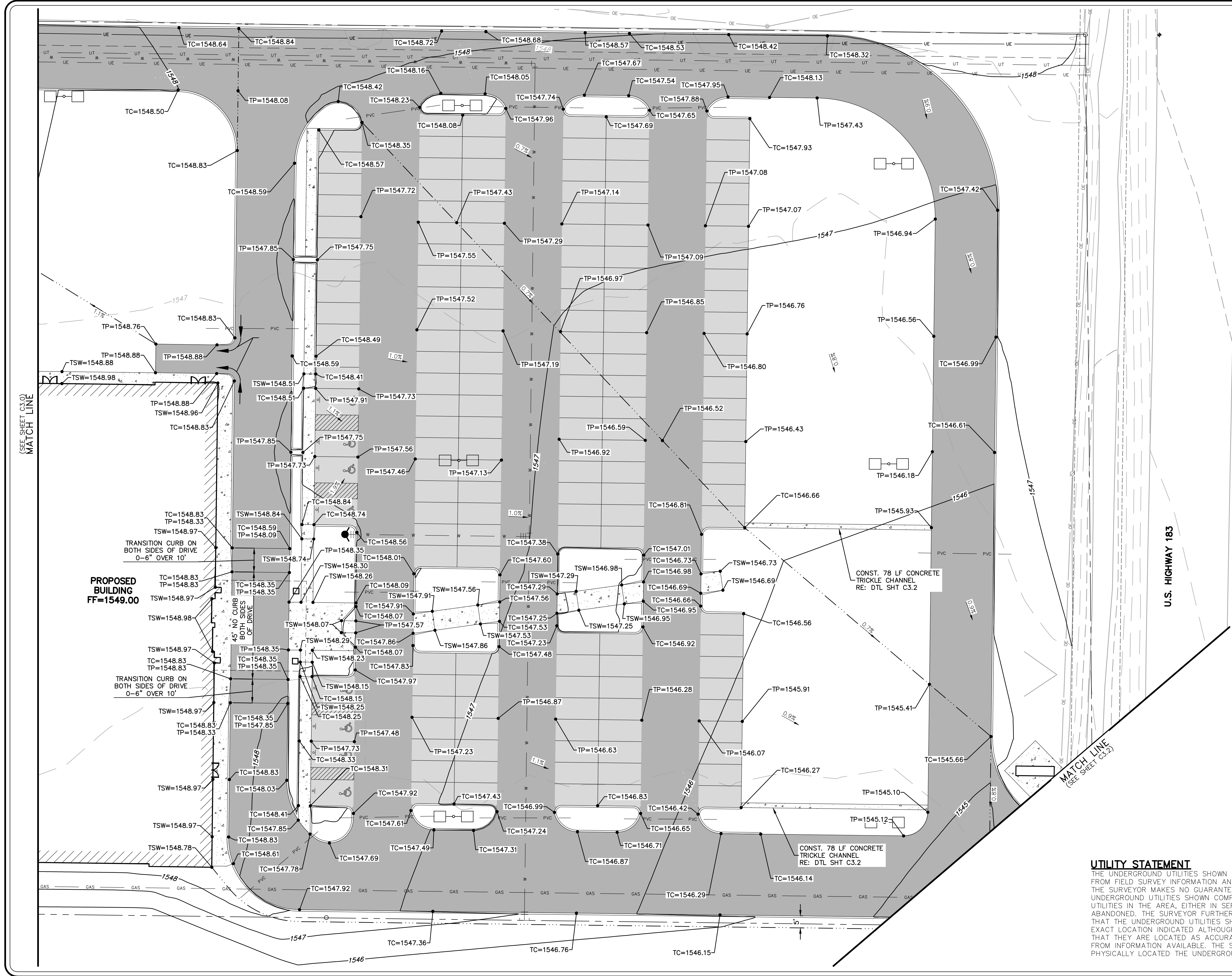


KIOWA CASINO
13765 US HIGHWAY 183
HOBART, KIOWA COUNTY, OKLAHOMA
DIMENSIONAL CONTROL PLAN

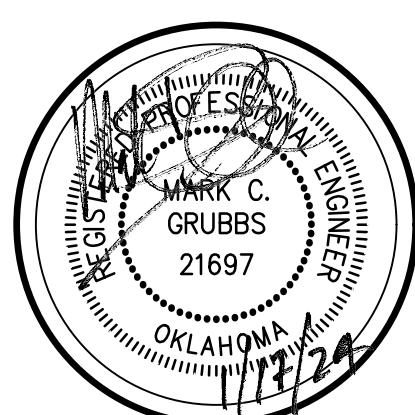
NO.	REVISIONS	DATE

Proj. No.: 22-004
Date: 05/24/2022
Scale: (Horiz.) 1"=20'
(Vert.) N/A
Drawn By: JF
Checked By: JF
Approved By: MGS

SHEET NUMBER
C1.2



RUBBS CONSULTING, LLC
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 1800 N. W. 10th St., Suite 200
 Yuba, OK 73099
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 GRUBBS CONSULTING, LLC CERTIFICATE OF AUTHORIZATION NO. CA-5115 EXP. 06/30/24



KIOWA CASINO
 13765 US HIGHWAY 183
 HOBART, KIOWA COUNTY, OKLAHOMA
PAVING & GRADING PLAN

NO.	REVISIONS	DESCRIPTION	DATE
1	02-004		
2	05/24/2022		

Proj. No.: 22-004
 Date: 05/24/2022
 Scale: (horiz.) 1"=20'
 (vert.) N/A
 Drawn By: GCB
 Checked By: MGS
 Approved By:

SHEET NUMBER
C3.1

UTILITY STATEMENT
 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

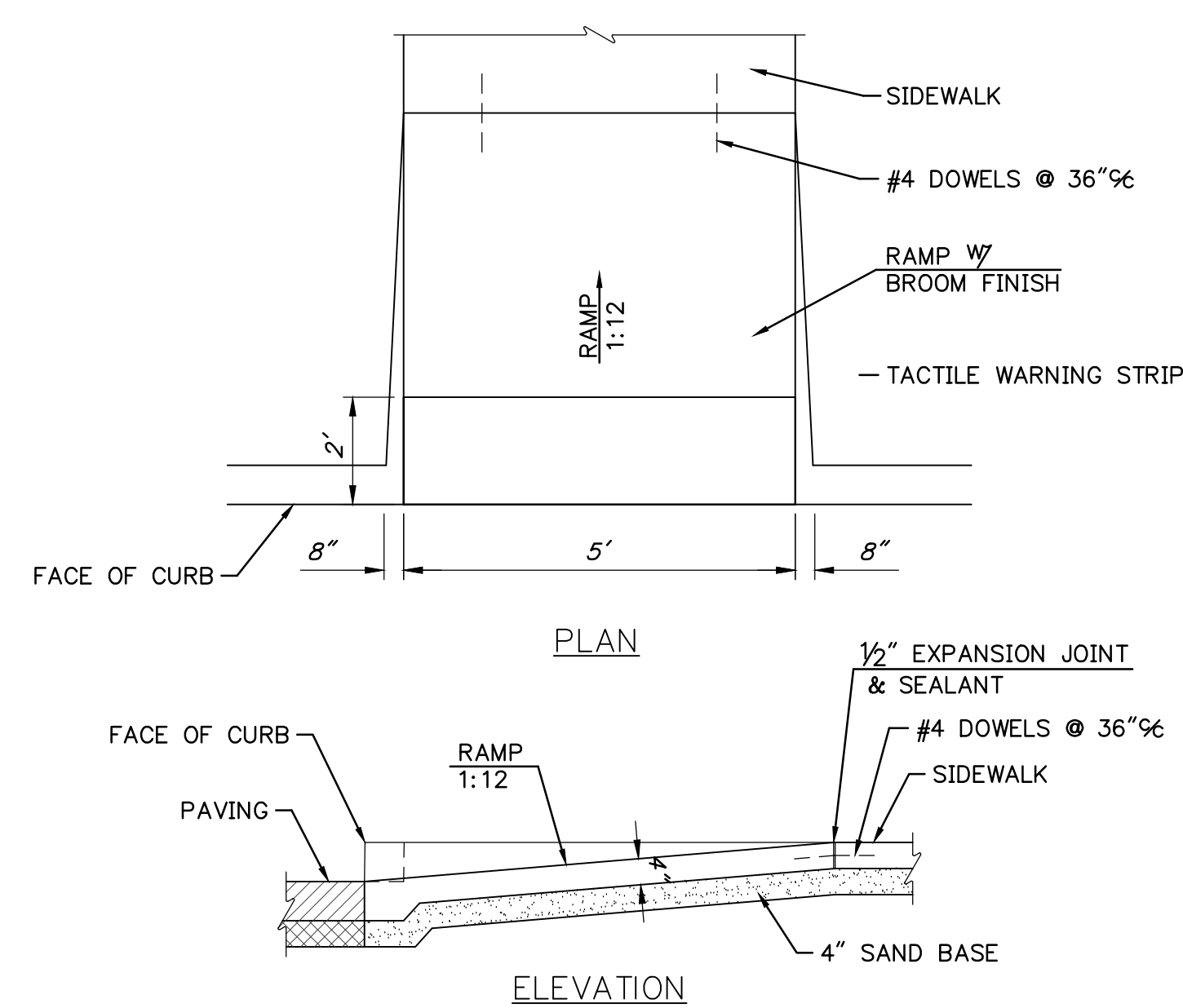


GRADING NOTES

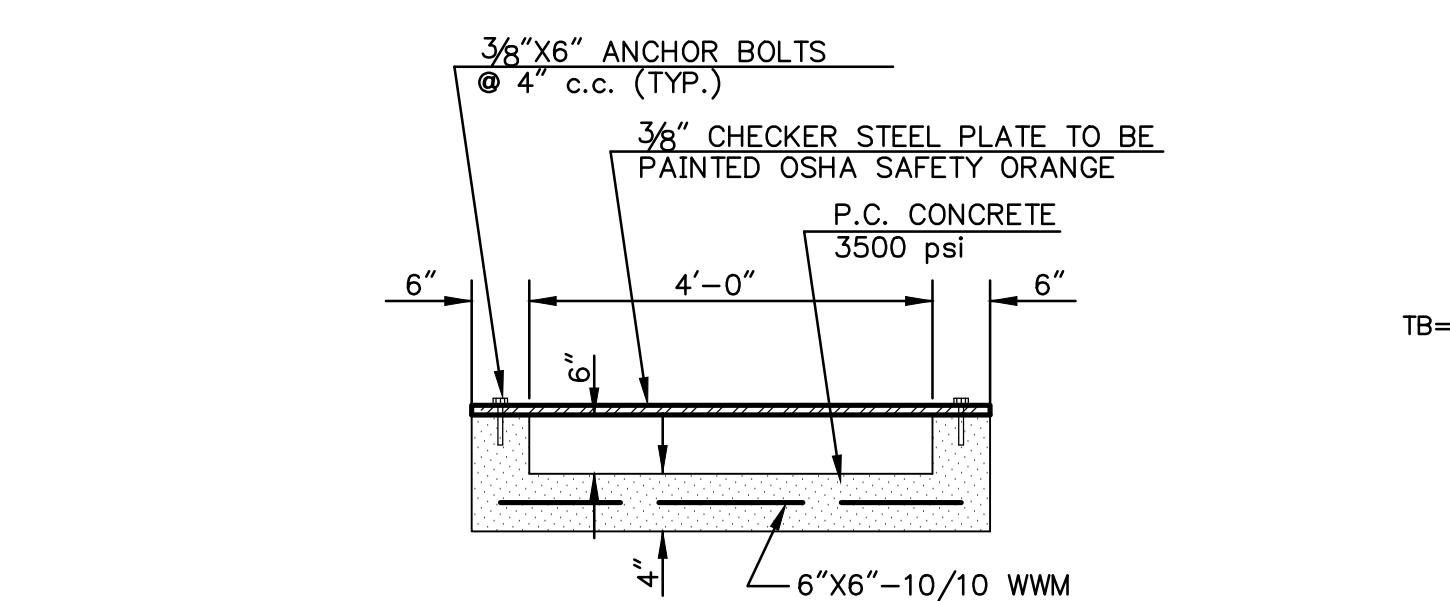
- ALL GRADING AND EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY STANDARD CONSTRUCTION SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BEFORE EXCAVATING.
- TOPSOIL SHALL BE STRIPPED TO A DEPTH WHERE SOIL IS FREE OF ROOTS AND VEGETATION.
- STRIPPINGS SHALL BE STOCKPILED OR WINDROWED ON SITE IN AREAS DESIGNATED BY OWNER, AND RE-SPREAD AS DIRECTED BY OWNER AFTER GRADING IS COMPLETE. TOPSOIL SHALL BE SPREAD TO A DEPTH NOT EXCEEDING SIX (6) INCHES.
- STRIPPING, PROOFROLLING, SUBGRADE SCARIFICATION AND COMPACTION, AND FILL CONSTRUCTION IN THE BUILDING AND PAVING AREAS SHALL BE PERFORMED ACCORDING TO THE SUBSURFACE GEOTECHNICAL REPORT. EMBANKMENT BENEATH BUILDING PADS OR FOR PAVING SUBGRADE SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE SPECIFIED THEREIN.
- CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION.
- SUBGRADE STABILIZATION SHALL BE PREPARED AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
- CIVIL ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
- DENSITY TESTING SHALL BE PROVIDED BY THE CONTRACTOR. ANY FAILING TEST SHALL BE RE-TESTED AT THE CONTRACTOR'S EXPENSE UNTIL PASSING TESTS ARE OBTAINED.
- UNDERCUTTING OF SOFT SPOTS AND PLACEMENT OF EARTHWORK IS GOVERNED FIRST BY THE GEOTECHNICAL REPORT. OBSERVATION AND TESTING SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER TO VERIFY THAT THE SOFT SPOTS ARE PROPERLY OVEREXCAVATED AND REPLACED OR STABILIZED.
- CORRECTIVE MEASURES DIRECTED BY THE ENGINEER MAY INCLUDE COMPLETE REMOVAL AND REPLACEMENT AT NO COST TO OWNER IN CASES OF POOR WORKMANSHIP OR UNSATISFACTORY IN-PLACE CONDITIONS.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL STAKING NECESSARY TO INSTALL CONDUITS SUFFICIENT FOR UTILITY AND IRRIGATION SERVICES WHETHER OR NOT SHOWN ON THE CIVIL ENGINEER'S PLANS.
- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- EXIST. ON-SITE LOOSE FILL MATERIAL TO BE REMOVED BY OTHERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

PAVING NOTES

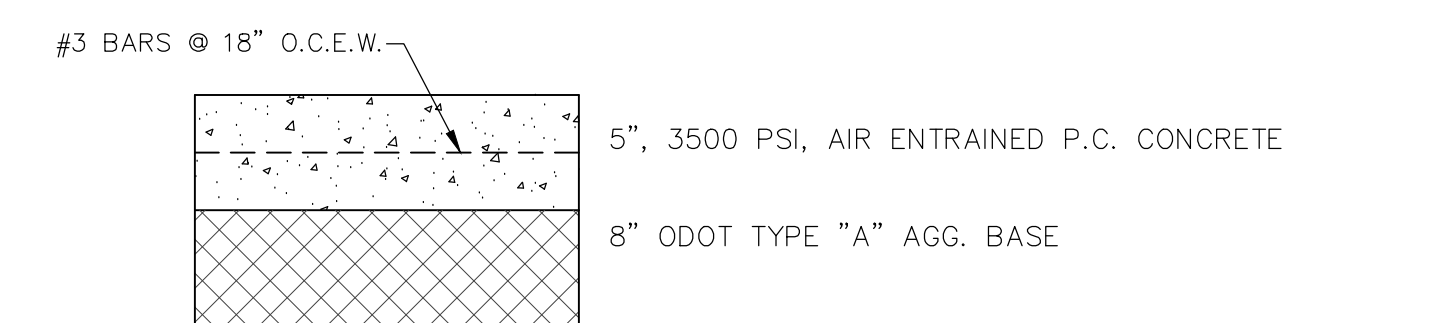
- ALL UTILITY CONSTRUCTION (WATER, SEWER, AND STORM WATER) SHALL BE COMPLETED PRIOR TO SUBGRADE PREPARATION.
- SUBGRADE SHALL BE FREE OF ALL ORGANIC MATTER, TREATED, AND COMPACTED ACCORDING TO THE PLANS AND SPECIFICATIONS.
- SUBGRADE STABILIZATION SHALL BE PREPARED AS SPECIFIED IN SUBSURFACE GEOTECHNICAL REPORT.
- PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UNACCEPTABLE SUBGRADE AT ALL UTILITY, CABLE OR CONDUIT CROSSINGS.
- PAVING CONTRACTOR SHALL INSPECT SUBGRADE PRIOR TO COMMENCING WORK; AND, SHALL REPAIR AREAS WHERE GRADE VARIES MORE THAN +/- 0.1 FEET, WHERE DENSITY IS LESS THAN 95% STANDARD PROCTOR OR WHERE SUBGRADE DRAINAGE IS INADEQUATE.
- SEQUENCE OF CONSTRUCTION FOR STABILIZED SUBGRADES SHALL BE BLUE TOP AND FINE GRADE, TREAT AND STABILIZE PER GEOTECHNICAL REPORT, AND THEN FINAL FINE GRADING.
- COMPACTION TESTS FREQUENCY SHALL BE DETERMINED PER GEOTECHNICAL REPORT.
- SUBGRADES SHALL BE PROOFROLLED IF THE STABILITY OF THE MATERIAL IS QUESTIONED. ALSO, THE SUBGRADE EXPOSED AFTER STRIPPING AND COMPLETING ANY CUTS SHALL BE PROOFROLLED ACCORDING TO THE GEOTECHNICAL REPORT.
- PORTLAND CEMENT CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,500 PSI, A SLUMP OF NOT MORE THAN 5", AND SHALL CONTAIN SIX PERCENT (6%) AIR + OR - 1%, UNLESS OTHERWISE NOTED.
- ASPHALTIC CONCRETE SHALL HAVE DENSITY OF NOT LESS THAN 94% NOR MORE THAN 96% AND HAVE STABILITY OF NOT LESS THAN 40%.
- TESTING SHALL BE PROVIDED BY THE PAVING CONTRACTOR. ANY FAILING TESTS SHALL BE RETESTED AT THE PAVING CONTRACTOR'S EXPENSE FOLLOWING CORRECTIVE ACTIONS. TESTING SERVICES SHALL BE FURNISHED BY A REPUTABLE INDEPENDENT TESTING LABORATORY APPROVED BY THE OWNER OR HIS REPRESENTATIVE AND SHALL BE COMPLETED PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- THE CONTRACTOR SHALL FURNISH CERTIFICATION FROM THE MANUFACTURER THAT ALL MATERIALS MEET APPLICABLE SPECIFICATIONS. COPIES OF MATERIAL CERTIFICATION SHALL BE FURNISHED TO THE OWNER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION OR INCORPORATION OF MATERIAL IN THE WORK.
- ON-SITE DEVELOPMENT AND AREAS ADJACENT TO PROPERTY SUCH AS SIDEWALKS, PARKWAYS, STREET CURBS, AND DRIVE APRONS ARE EXPECTED TO BE NEW CONSTRUCTION OR REPAIRED TO "AS NEW" CONDITION.



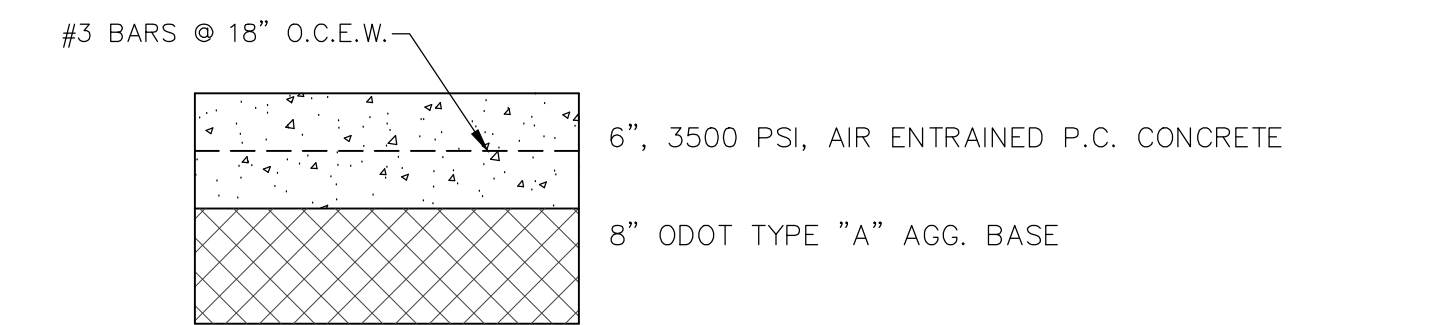
H.C. RAMP DETAIL
NOT TO SCALE



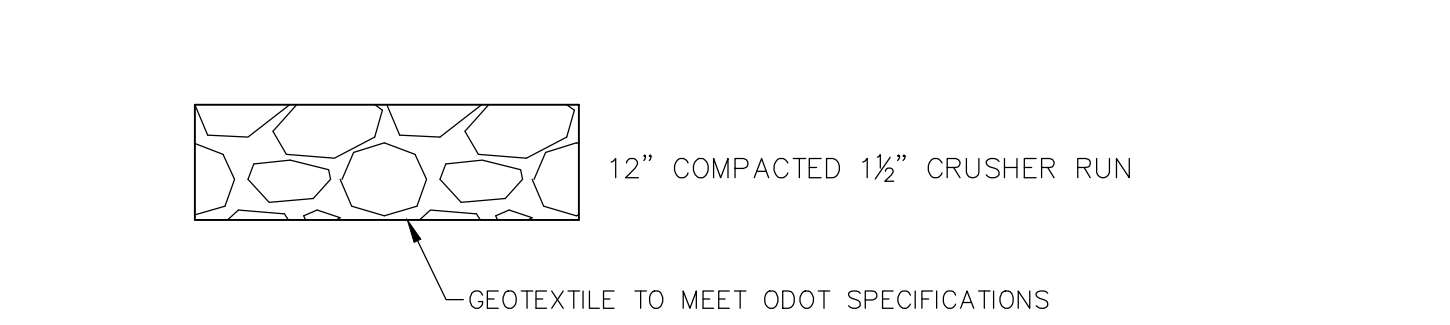
CONCRETE FLUME w/ SAFETY PLATE DETAIL
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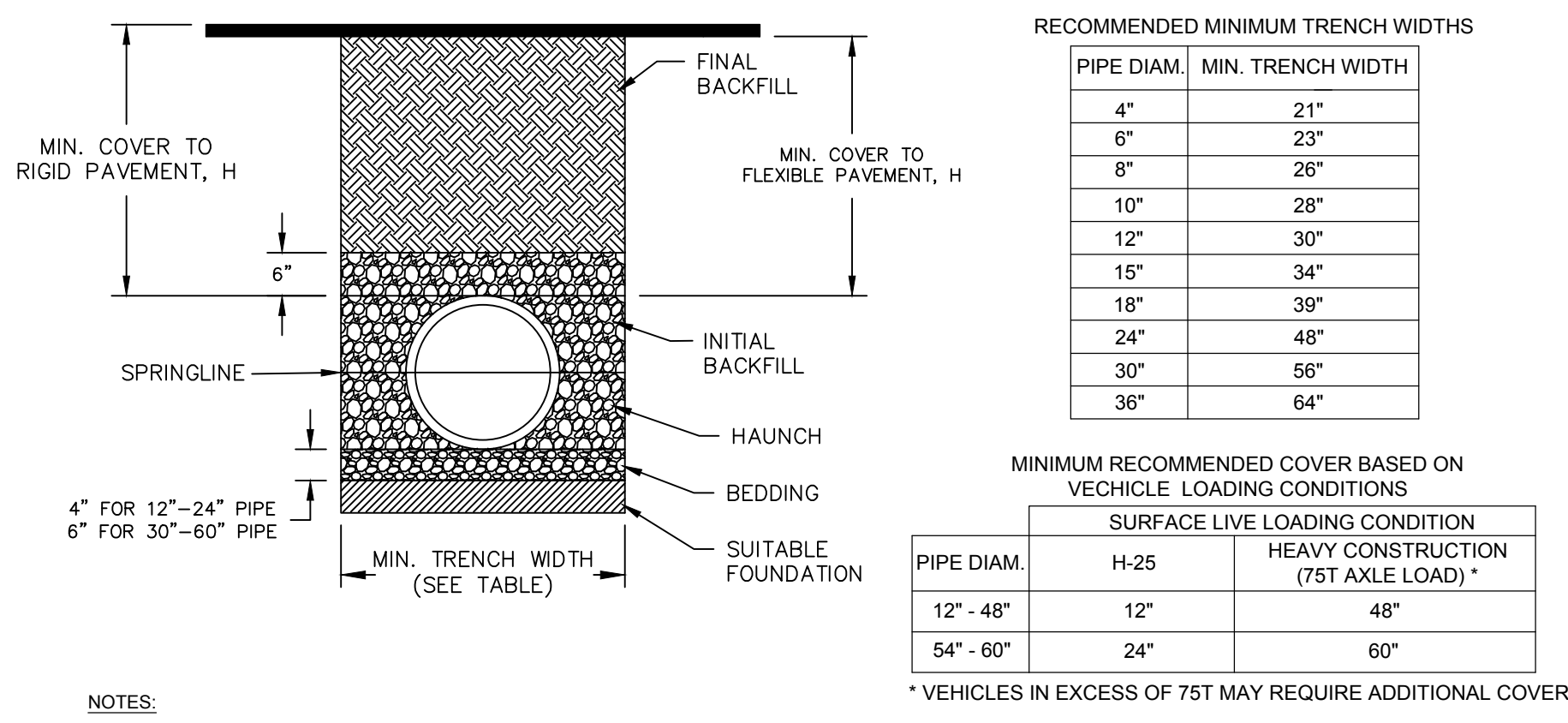
STANDARD P.C. PAVING SECTION
NOT TO SCALE



HEAVY DUTY P.C. PAVING SECTION
NOT TO SCALE



GRAVEL PAVING SECTION (ALTERNATE)
NOT TO SCALE



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

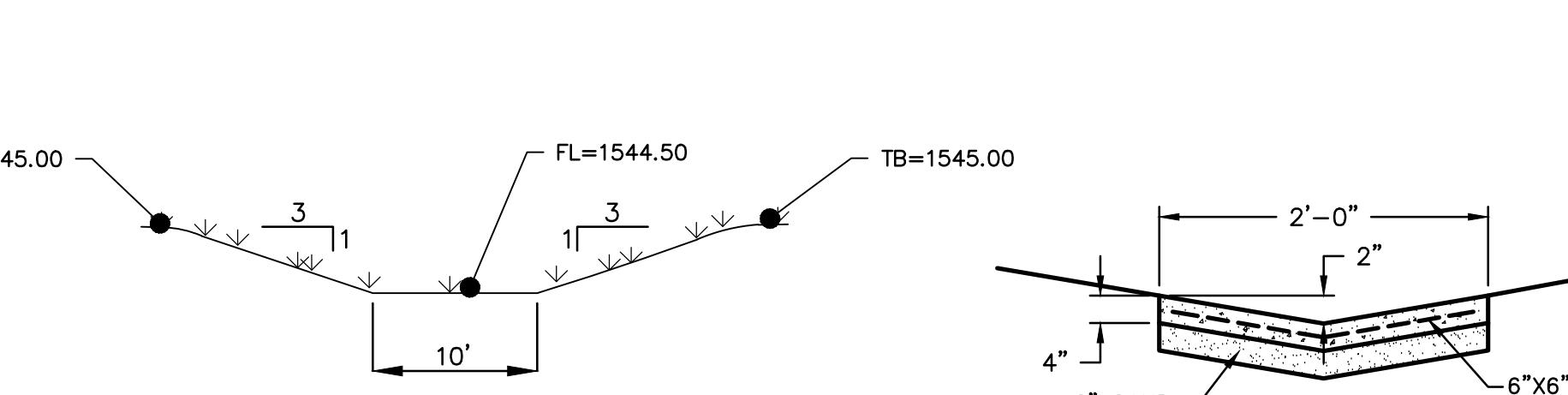
PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
54" - 60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

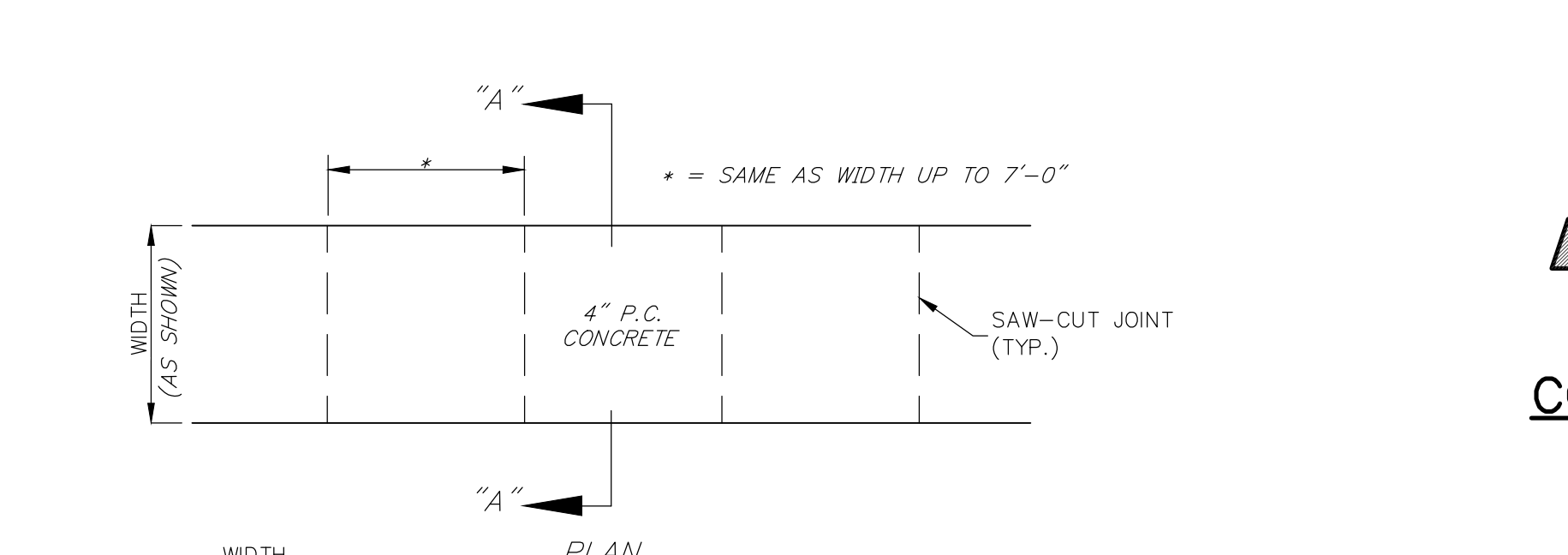
NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

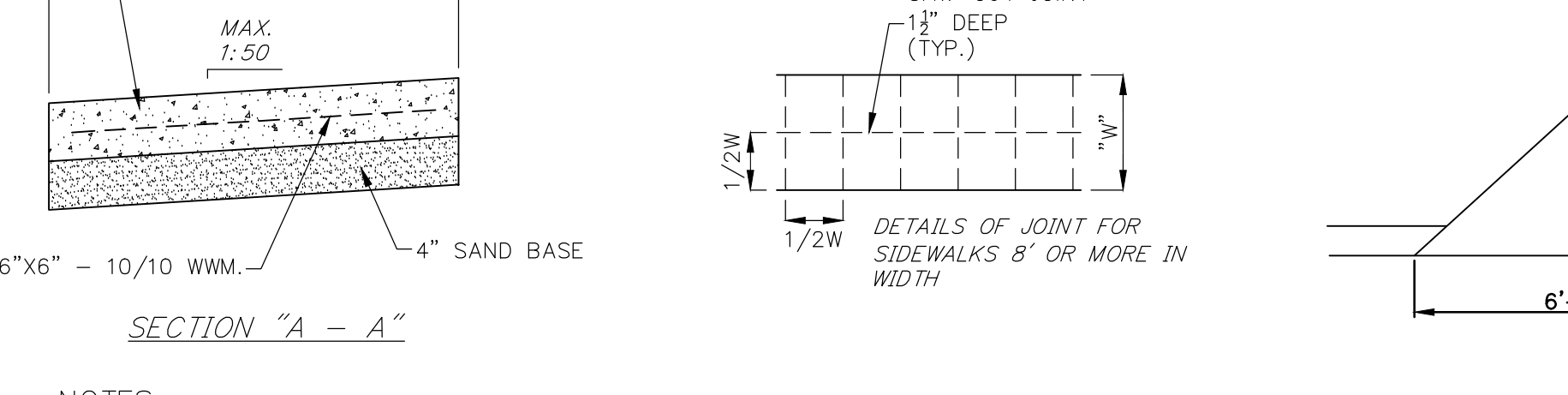
HDPE PIPE INSTALLATION DETAIL



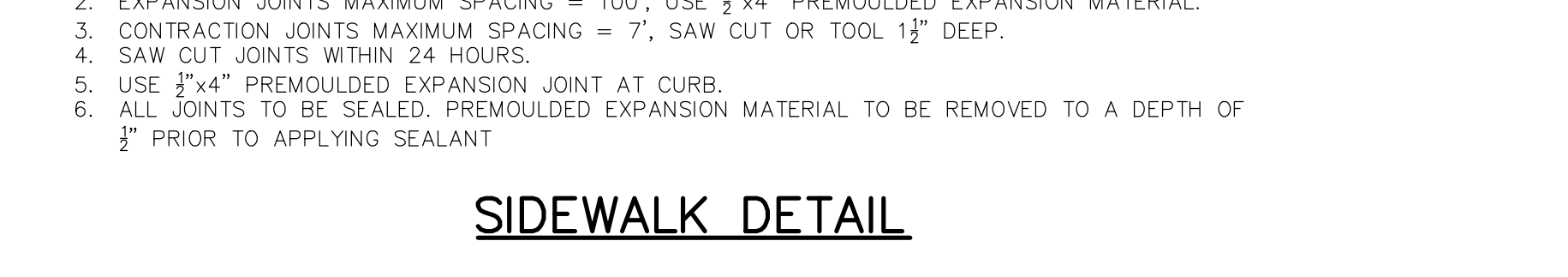
OVERFLOW WEIR DETAIL



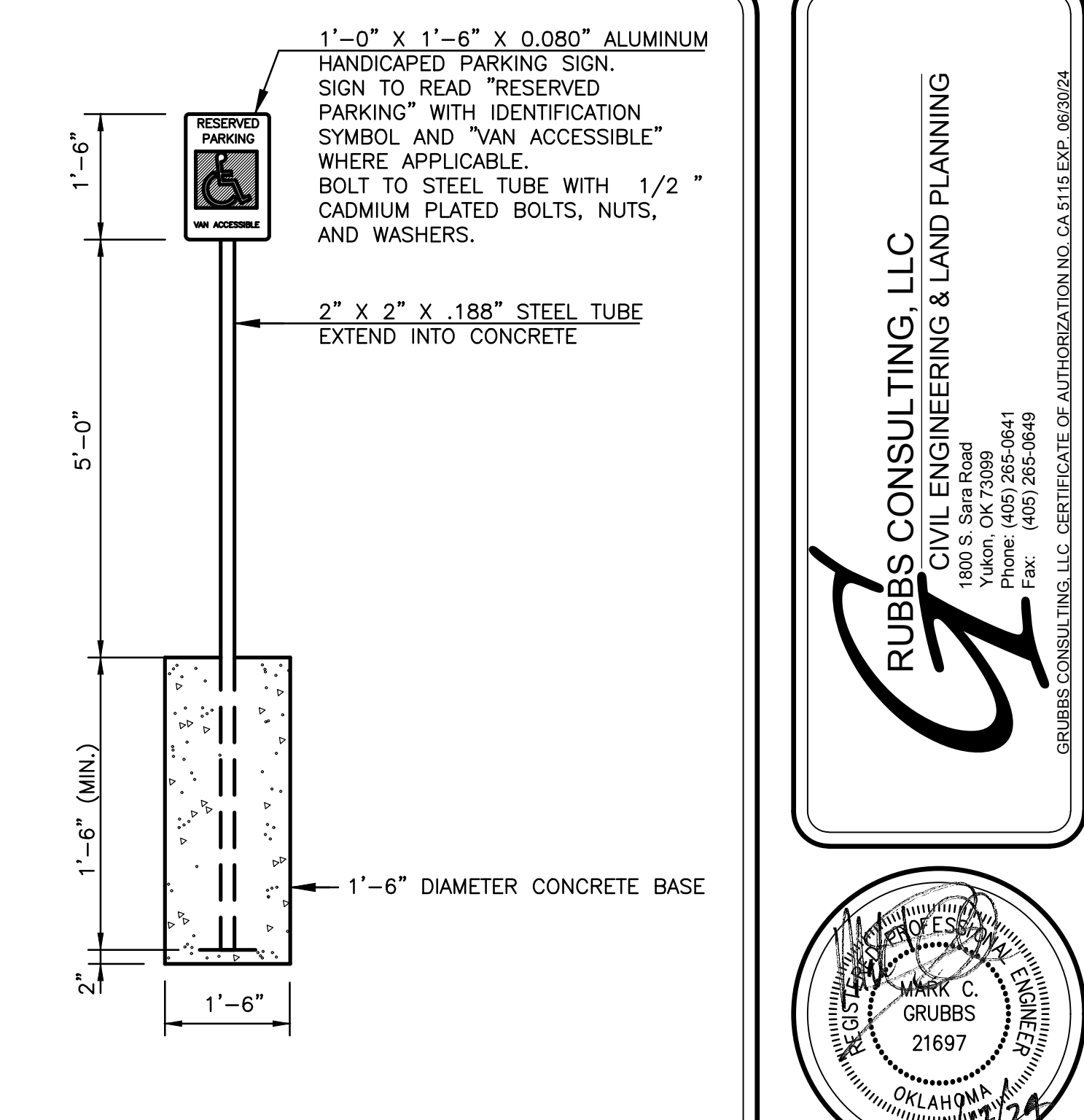
TRICKLE CHANNEL DETAIL



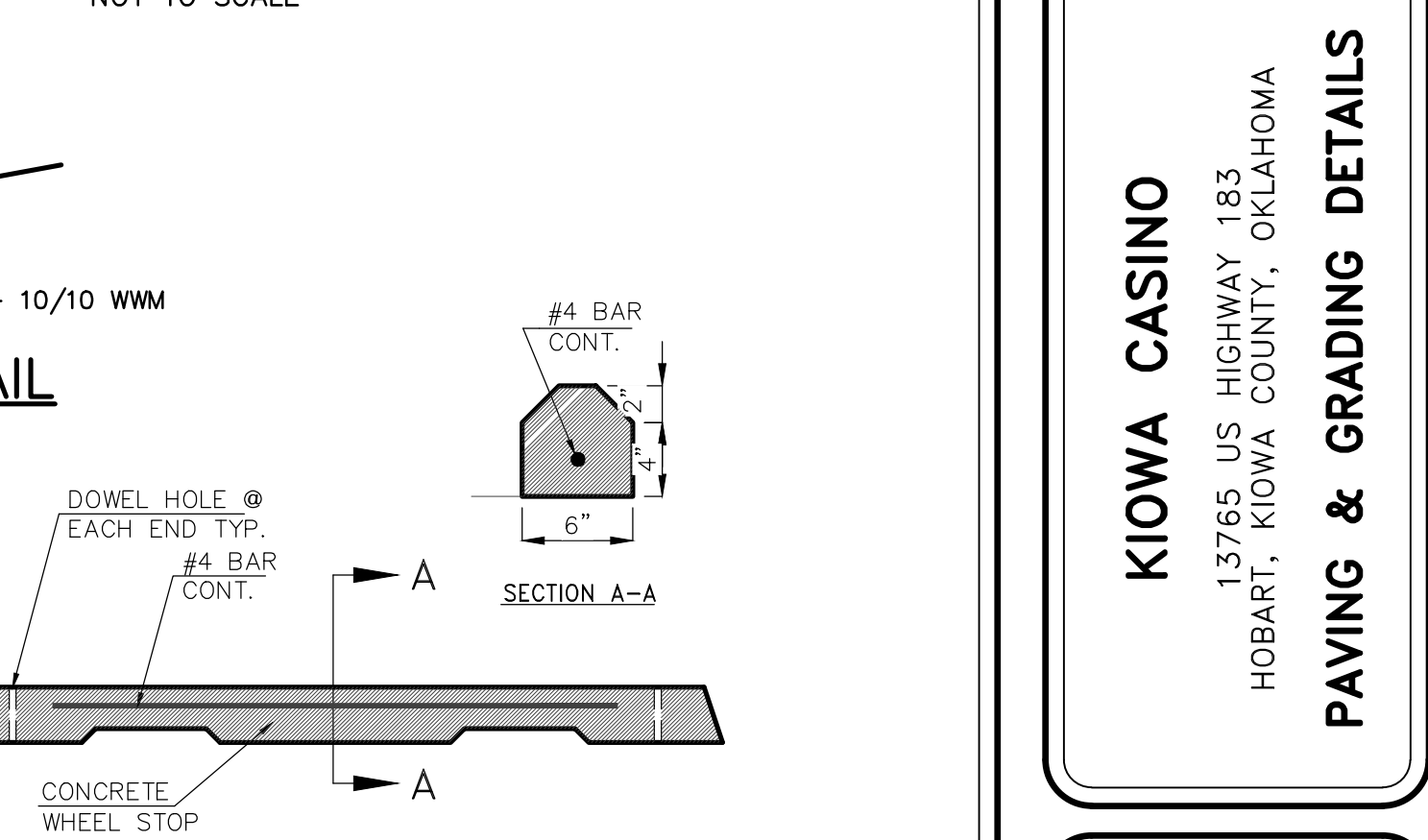
CONCRETE WHEEL STOP DETAIL



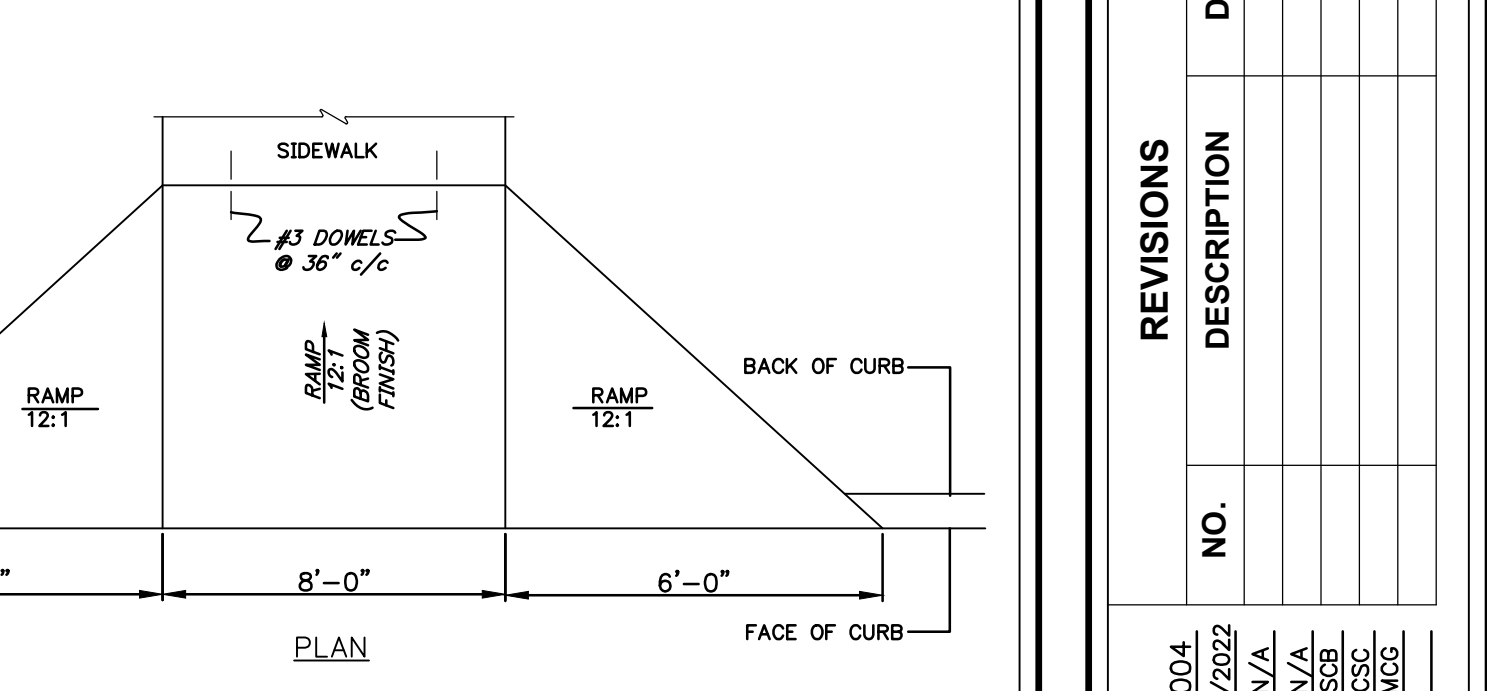
SIDEWALK DETAIL



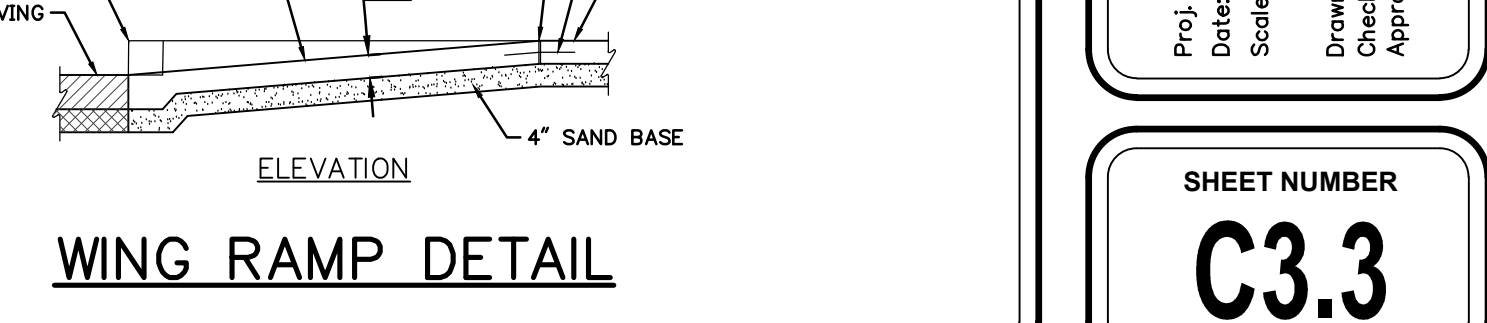
HANDICAP PARKING SIGN
NOT TO SCALE



CONCRETE WHEEL STOP DETAIL

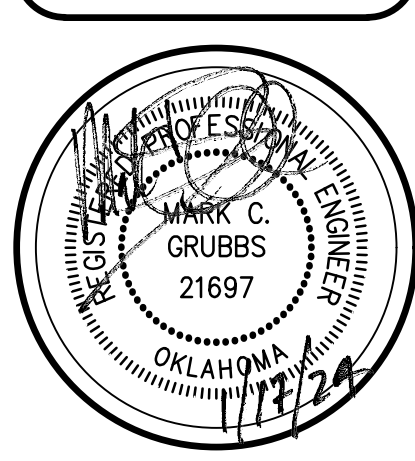


WING RAMP DETAIL



WING RAMP DETAIL

RUBBS CONSULTING, LLC
CIVIL ENGINEERING & LAND PLANNING
1808 N. W. 10TH ST.
YUKON, OK 73099
Phone: (405) 265-0641
Fax: (405) 265-0649
GRUBBS CONSULTING, LLC. CERTIFICATE OF AUTHORIZATION NO. CA.5115 EXPI. 06/30/24

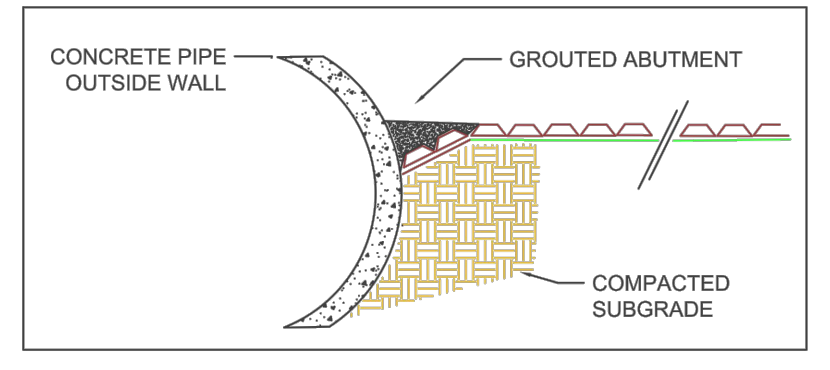
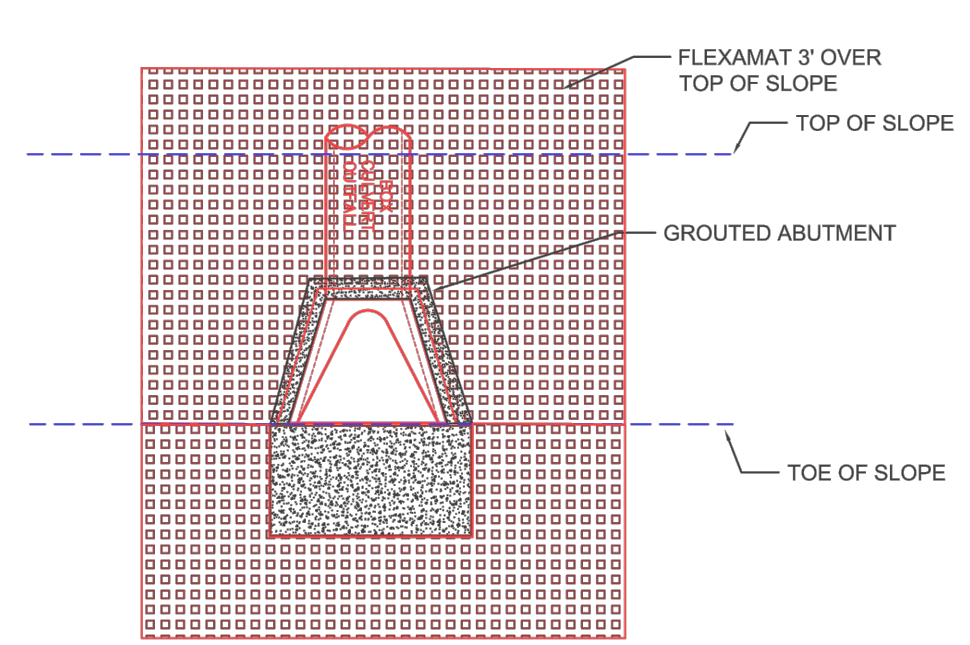


KIOWA CASINO
13765 US HIGHWAY 183
HOBART, KIOWA COUNTY, OKLAHOMA
PAVING & GRADING DETAILS

NO.	REVISIONS	DESCRIPTION	DATE

Proj. No.: 22-004
Date: 05/24/2022
Scale: (Horiz.) N/A (Vert.) N/A
Drawn By: GCB
Checked By: MGS
Approved By: MGS

SHEET NUMBER
C3.3



Guidance Table for Stormwater Outfall Protection

Pipe Diameter	Discharge (CFS) (Maximum, see notes below)	Flexamat Protection (Mats)	Flexamat Protection Length (Feet) (see notes below)
12"	8"	150'	8'
18"	20'	80'	8'
24"	30'	40'	8'
36"	75'	20'	8'
48"	150'	10'	8'
60"	225'	5'	8'

* Length of protection will vary on the length of the slope, degree of slope or if it is discharging into a river.
 † Grout and bedding are not required, it is recommended to extend Flexamat the length of the pipe and 2' past the top.
 ‡ *Note: Manufacturer for guidance if design discharges vary significantly from values listed in table.

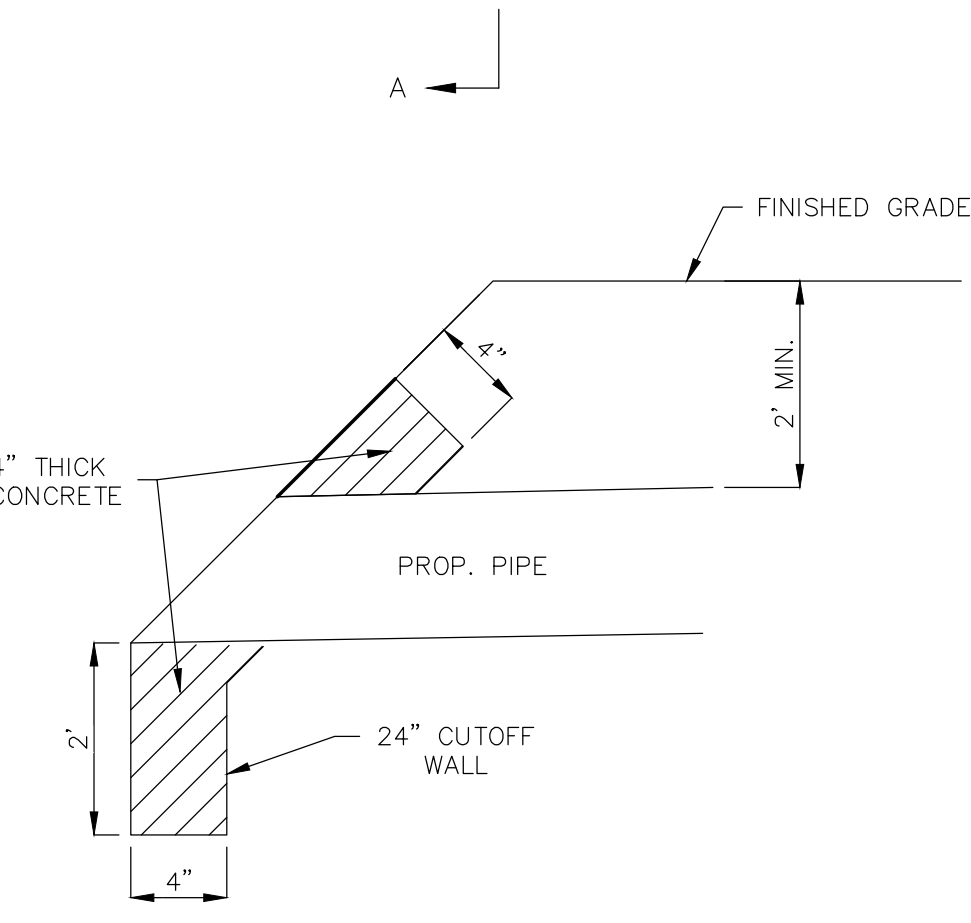
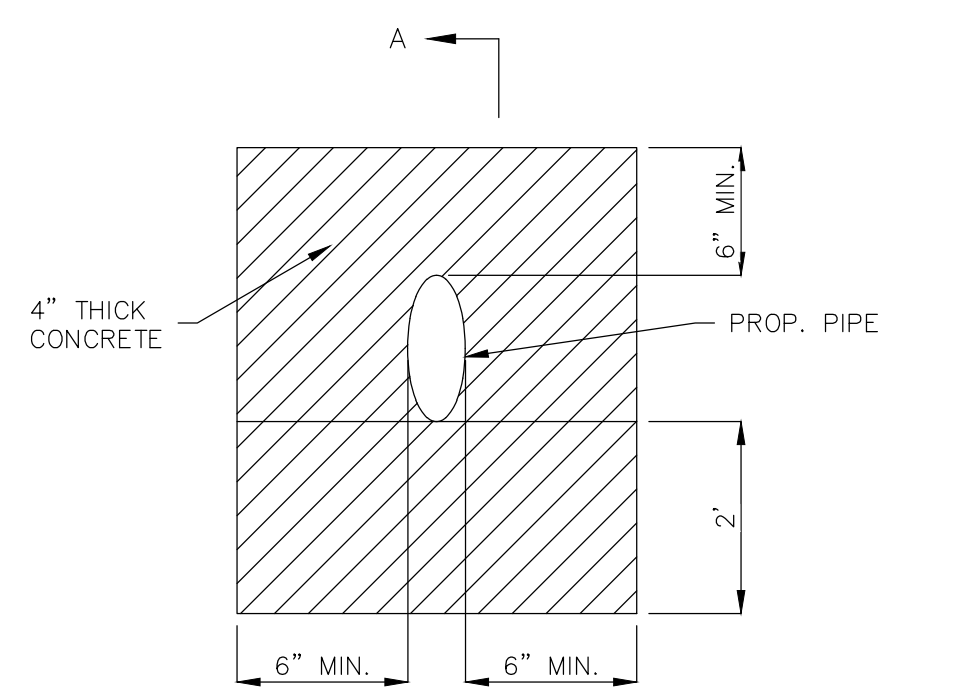
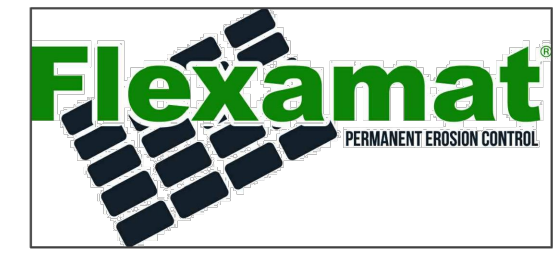
CONSTRUCTION NOTES:

1. AN ENGINEER OR MANUFACTURERS REPRESENTATIVE SHALL BE ONSITE FOR THE START OF THE INSTALLATION.
2. GRADE THE SITES SO THAT WATER WILL NOT FLOW ABOVE, BELOW, OR AROUND THE OUTSIDE OF THE AREA PROTECTED WITH FLEXAMAT. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND.
3. APPLY SITE SPECIFIC SEED, INCLUDING NATIVE GRASSES DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION.
4. FLEXAMAT ROLLS ARE AVAILABLE IN WIDTHS OF 4', 5.5', 9', 10', 12', & 16'. IT IS THE MANUFACTURERS RECOMMENDATION TO UTILIZE THE WIDEST MATS POSSIBLE TO REDUCE AN ABUNDANCE OF SEAMS OR OVERLAPS.
 - a. TO ACHIEVE WIDER WIDTHS, INSTALL MATS ADJACENT TO ONE ANOTHER. INSTALL ADDITIONAL UNDERLAYMENT UNDER ALL ADJOINING MATS. A MINIMUM OF 12" OF UNDERLAYMENT SHALL EXTEND UNDER EACH SIDE OF THE MAT AND DIRECTLY AGAINST THE SUBGRADE.
 - b. INSTALL 18" #3 REBAR U-ANCHORS OR STAINLESS STEEL ZIP TIES IN 3' INCREMENTS THE LENGTH OF THE LONGITUDINAL SEAM.
5. AT THE BEGINNING OF THE FLEXAMAT, TRANSITION THE INITIAL LEADING EDGE PROPERLY WITH EROSION MATTING OR SOD. IF EXPOSED TO CONCENTRATED FLOWS EMBED 18" VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY EOR).
6. FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 18" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL, SEED AND FERTILIZER OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
7. INSTALL 18" U-ANCHORS IN 3' INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS. "U" ANCHORS CONSIST OF #3 REBAR "U" ANCHOR WITH 18" LEGS.
8. AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SOIL (DETERMINED BY EOR).

FLEXAMAT INFORMATION

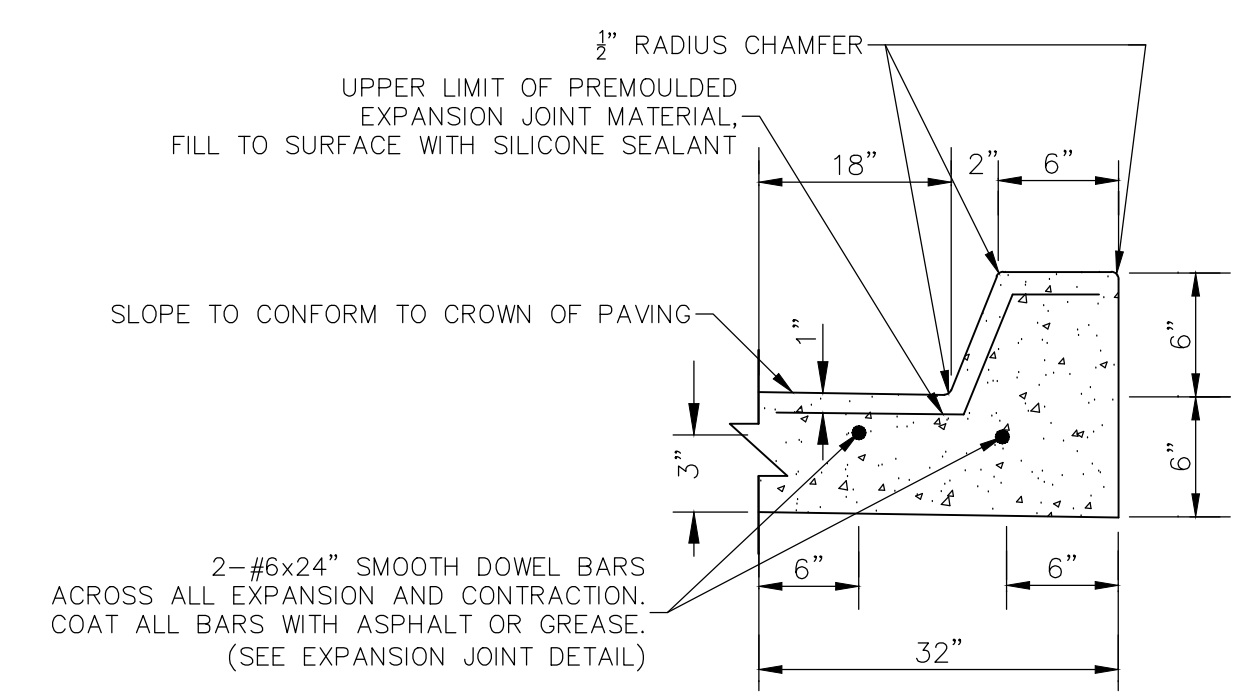
Manufacturer: Motz Enterprises, Inc.
 Product Name: Flexamat
 Address: 3153 Madison Road
 Cincinnati, OH 45209
 Telephone: 513-772-6689
 Email: info@flexamat.com
 Website: www.Flexamat.com

**FLEXAMAT
 OUTLET DETAIL
 NTS**



SECTION A-A

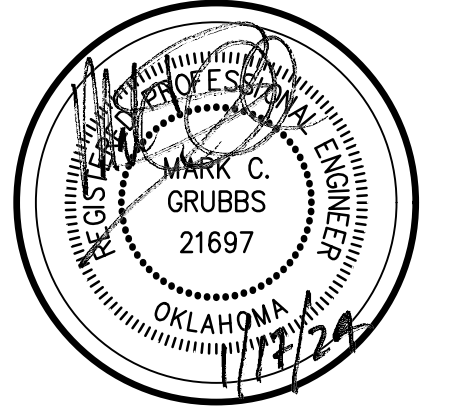
CONCRETE SLOPE WALL DETAIL



NOTE:
 MAXIMUM SPACING OF 1/2" EXPANSION JOINTS TO BE 100' C/C WITH CONTRACTION JOINTS 15'-20' APART TO MATCH DRIVEWAY RETURNS

INTEGRAL CONCRETE CURB & GUTTER DETAIL

RUBBS CONSULTING, LLC
 CIVIL ENGINEERING & LAND PLANNING
 1800 N. W. 10th St.
 Yuba City, TX 75809
 Phone: (409) 265-0641
 Fax: (409) 265-0649
 GRUBBS CONSULTING, LLC CERTIFICATE OF AUTHORIZATION NO. CA-5115 EX-0630624



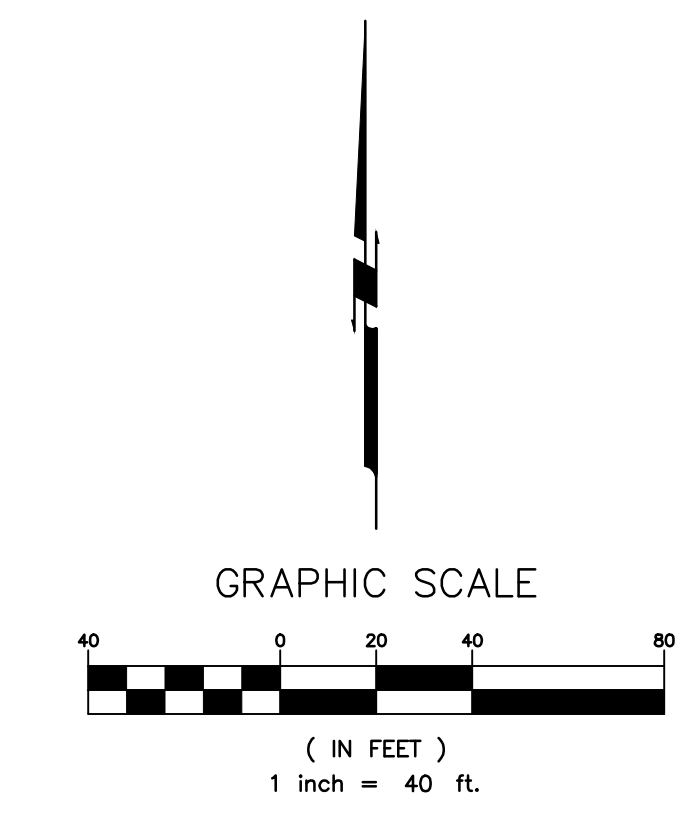
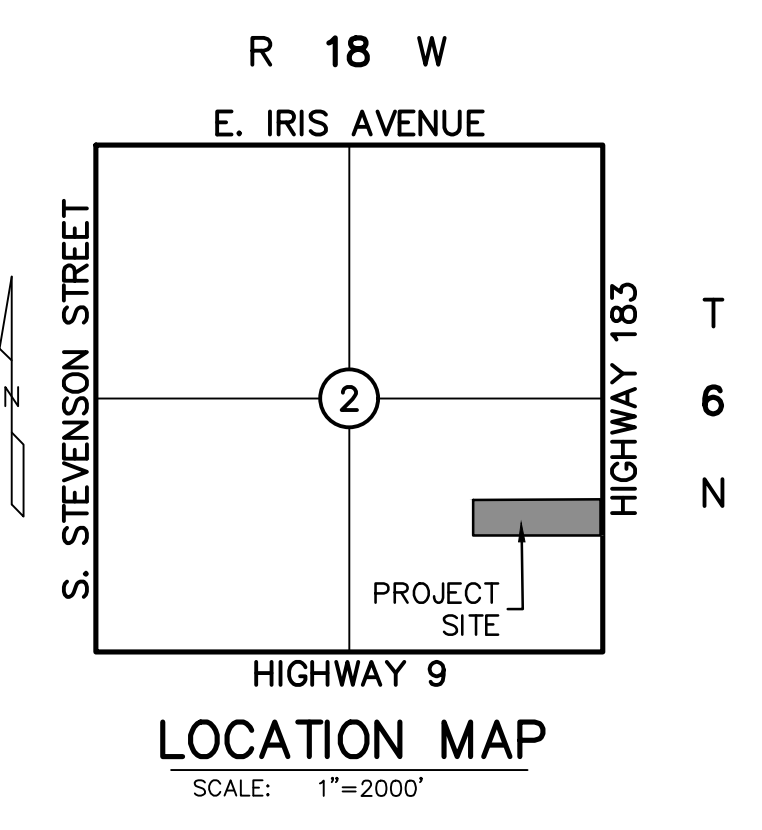
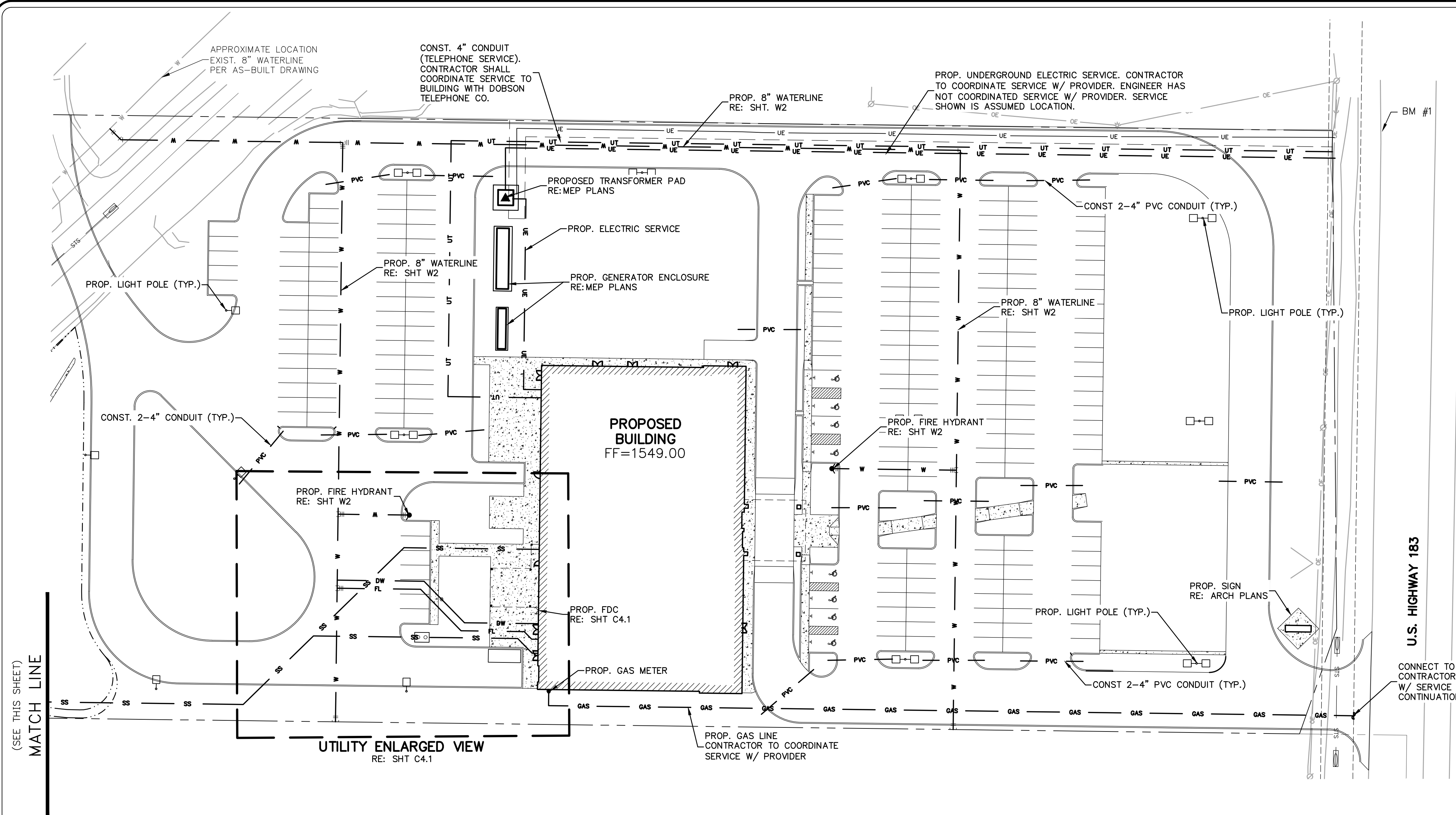
KIOWA CASINO
 13765 US HIGHWAY 183
 HOBART, KIOWA COUNTY, OKLAHOMA
PAVING & GRADING DETAILS

REVISIONS

NO.	DESCRIPTION	DATE
1		08/30/2022

Proj. No.: 22-004
 Date: 08/24/2022
 Scale: (Horiz.) N/A
 (Vert.) N/A
 Drawn By: GCB
 Checked By: MGS
 Approved By:

SHEET NUMBER
C3.4



(SEE THIS SHEET)
MATCH LINE

UTILITY ENLARGED VIEW
RE: SHT C4.1

MATCH LINE
(SEE THIS SHEET)

ORIGINAL BENCHMARK #1 ⚡
O.D.O.T. BCM NO. K-38-170
GPS POINT NO. 7400 FROM STATE HIGHWAY PROJ. NO. NHY-009N(005), LOCATED ±183' WEST AND ±96' SOUTH OF THE SE COR. OF SEC. 2, T6N, R18W, I.M. IN THE ¼ OF THE INTERSECTION OF HIGHWAY 183 AND HIGHWAY 9.
ELEVATION = 1534.81 FEET (NAVD-88 DATUM)

ORIGINAL BENCHMARK #2 ⚡
O.D.O.T. BCM NO. K-38-172
GPS POINT NO. 7401 FROM STATE HIGHWAY PROJ. NO. NHY-009N(005), LOCATED ±217' SOUTH OF THE SOUTH 1/4 CORNER OF SEC. 2, T6N, R18W, I.M., IN THE ¼ OF HIGHWAY 9.
ELEVATION = 1542.21 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #1 ⚡
SET MAG NAIL IN ASPHALT ON THE WEST EDGE OF HIGHWAY 183, LOCATED ±1788 FEET NORTH OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.
ELEVATION = 1550.08 FEET (NAVD-88 DATUM)

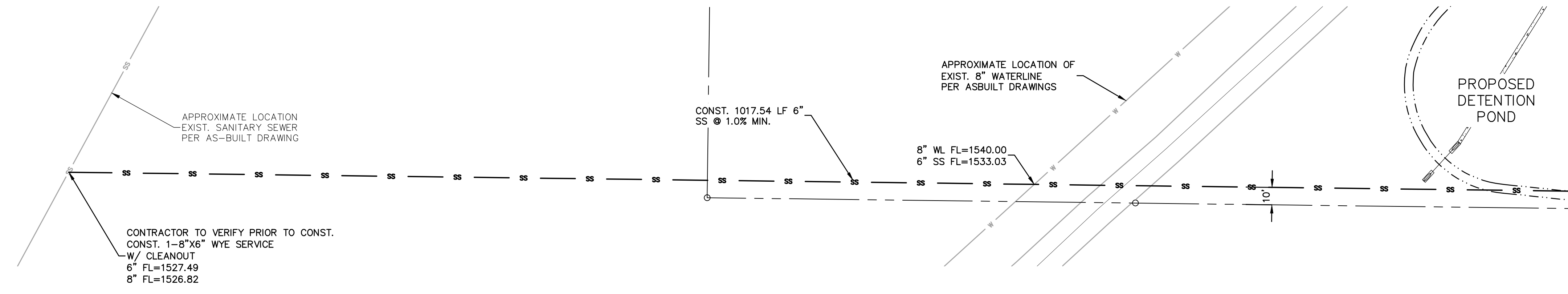
ONSITE BENCHMARK #2 ⚡
TOP NUT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF HIGHWAY 183 AND HIGHWAY 9 INTERSECTION, LOCATED ±74 FEET NORTH & ±118 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.
ELEVATION = 1539.55 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #3 ⚡
TOP NUT OF FIRE HYDRANT ON THE NORTH SIDE OF HIGHWAY 9, LOCATED ±63 FEET NORTH & ±1562 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.
ELEVATION = 1534.03 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #4 ⚡
TOP NUT OF FIRE HYDRANT ON THE NORTHWEST SIDE OF AN ABANDONED ASPHALT ROAD RUNNING SW/NE ON THE WEST SIDE OF THE PROJECT, LOCATED ±840 FEET NORTH & ±1836 FEET WEST OF THE S.E. CORNER OF THE SOUTHEAST QUARTER OF SEC. 2, T6N, R18W, I.M.
ELEVATION = 1537.56 FEET (NAVD-88 DATUM)

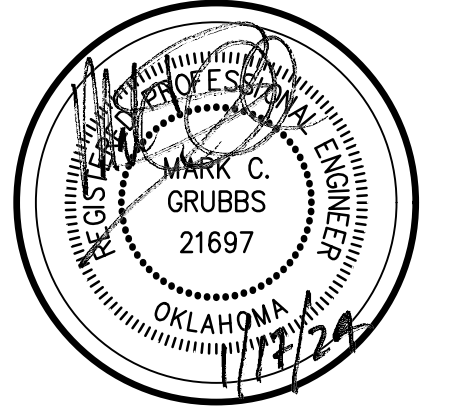
LOCAL UTILITY CONTACTS

ELECTRIC: PSO BILLY ROBINS (580) 641-6525	WATER/SEWER: CITY OF HOBERT UTILITY DEPT. (580) 726-3100
GAS: ONG BROOKS DOW (918) 831-8276	TELEPHONE: DOBSON TELEPHONE CO. CHRIS (580) 919-1367



UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

RUBBS CONSULTING, LLC
CIVIL ENGINEERING & LAND PLANNING
1800 N. WILSON
YUKON, OK 73099
Phone: (405) 265-0641
Fax: (405) 265-0649
GRUBBS CONSULTING, LLC. CERTIFICATE OF AUTHORIZATION NO. CA 5115 EXPI. 09/30/24

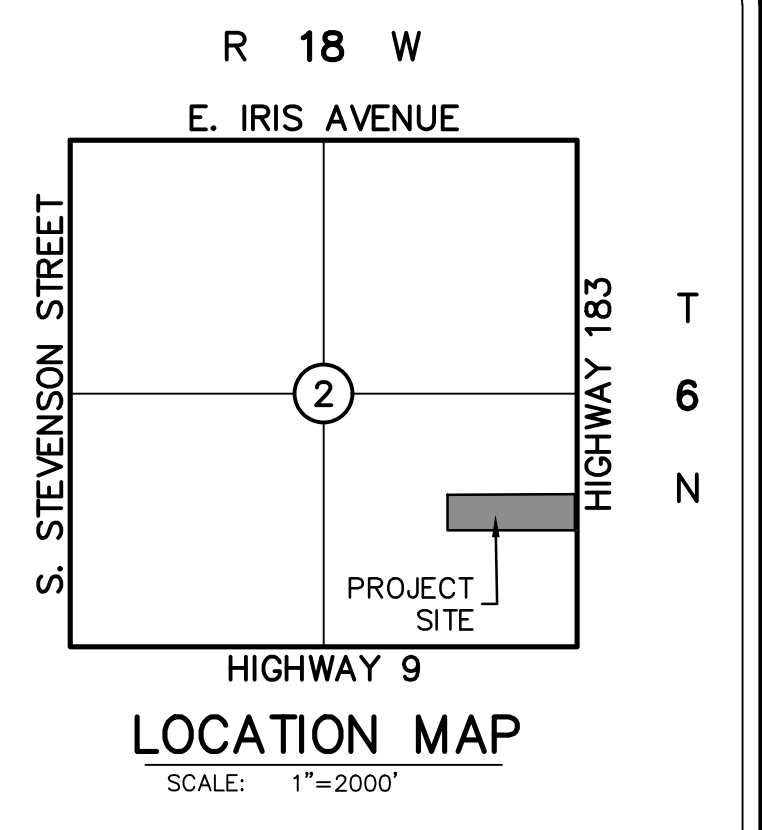
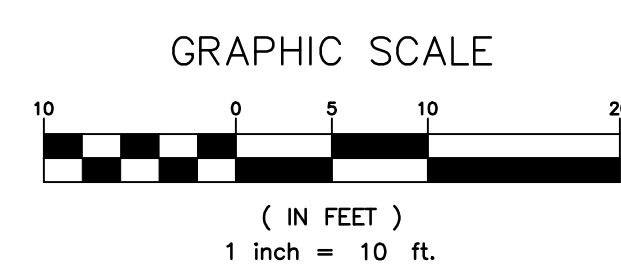
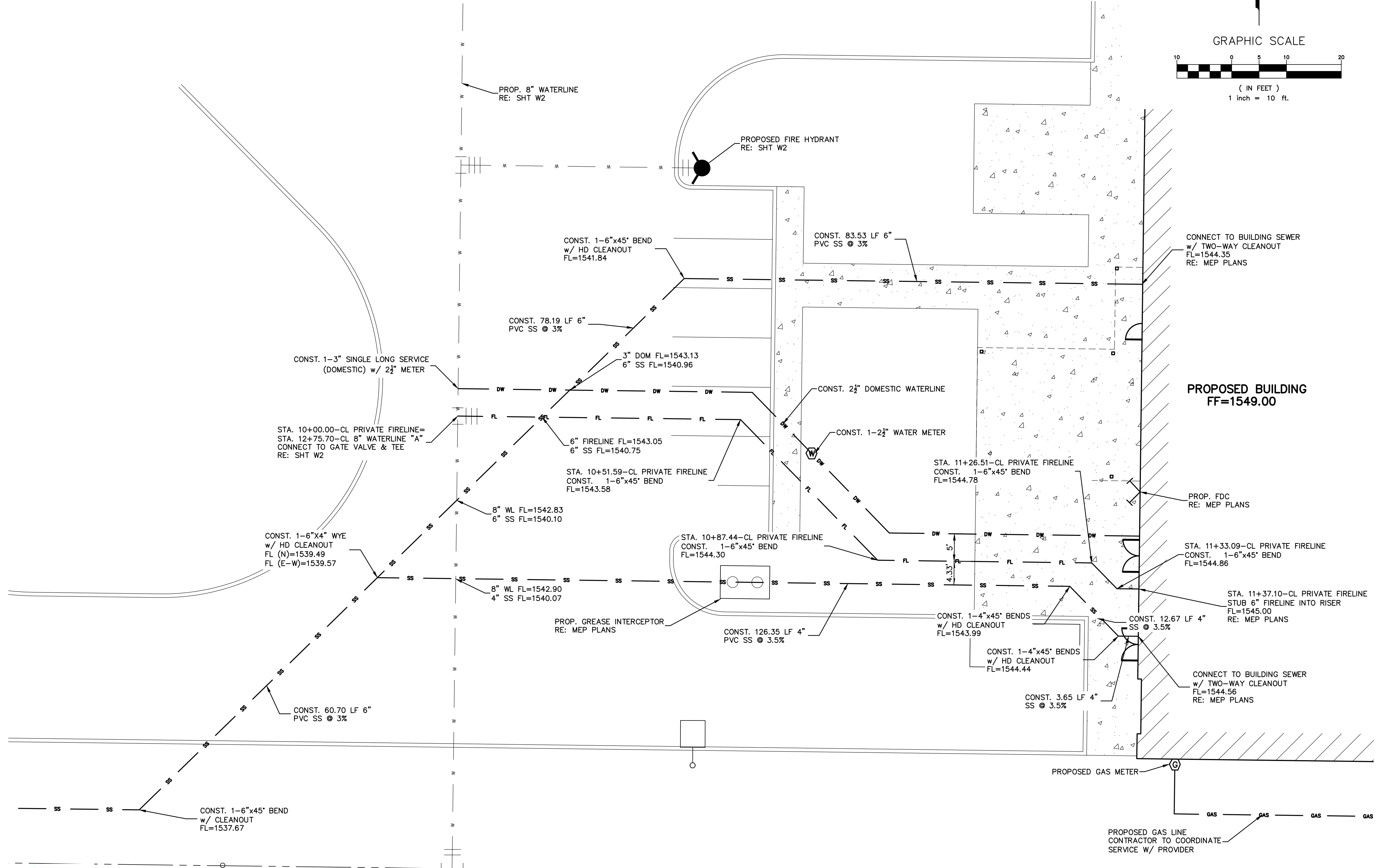


KIOWA CASINO
13765 US HIGHWAY 183
HOBERT, KIOWA COUNTY, OKLAHOMA
UTILITIES GENERAL LAYOUT

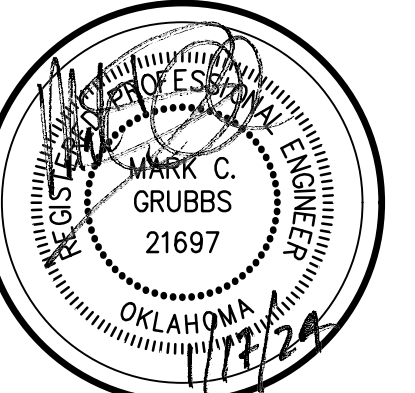
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Date: 05/24/2022
Scale: (Horiz.) 1"=40'
(Vert.) N/A
Drawn By: GCB
Checked By: MGS
Approved By: MGS

SHEET NUMBER
C4.0



RUBBS CONSULTING, LLC
CIVIL ENGINEERING & LAND PLANNING
1800 N. W. 10th Street, Suite 200
Yukon, OK 73099
Phone: (405) 265-0641
Fax: (405) 265-0649
GRUBBS CONSULTING, LLC. CERTIFICATE OF AUTHORIZATION NO. CA.5115 EXD. 09/30/24



KIOWA CASINO
13765 HIGHWAY 183
HOBART, KIOWA COUNTY, OKLAHOMA
UTILITY ENLARGED VIEW

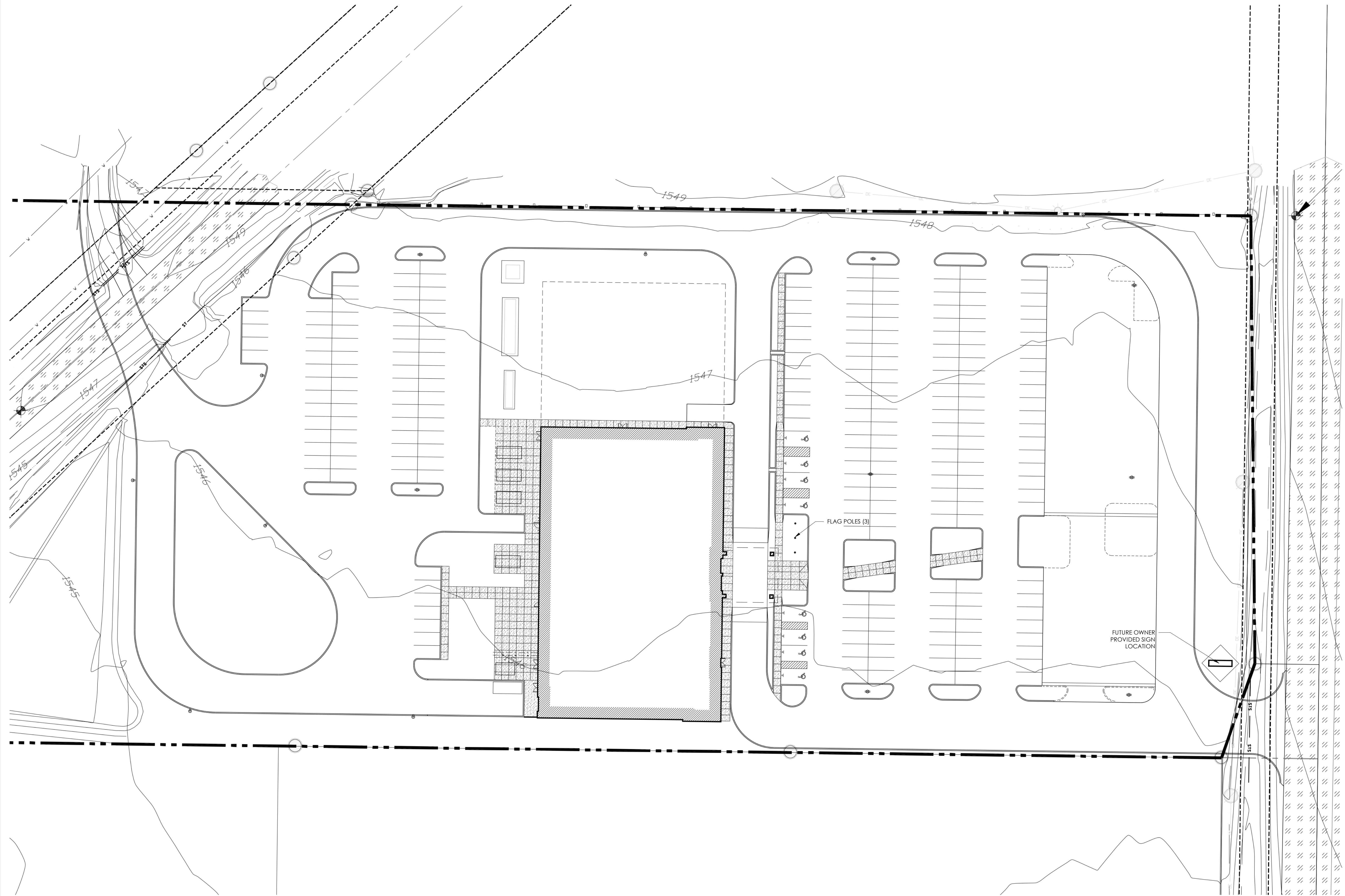
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Date: 05/24/2022
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(Vert.) N/A
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Checked By: MGS
Approved By: MGS



UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

SHEET NUMBER
C4.1



**MASS ARCHITECTS.
BIG IDEAS.**

Mass Architects, Inc. ©2023 - OK Certificate of Authority #01231
1225 N Broadway Place | Oklahoma City, OK 73103 | 405.231.1990

Architecture, LLC ©2023
1319 E 6th St | Tulsa, OK 74120
918.764.9996

ARCHITECTURE

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

PC

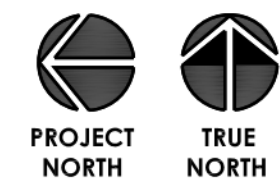
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SHEET TITLE:

**ARCHITECTURAL SITE
PLAN**

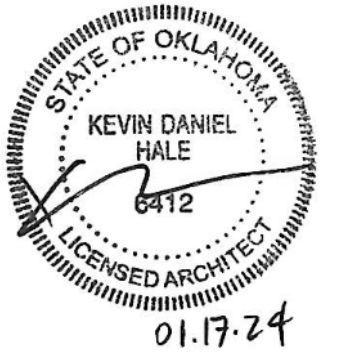
1 ARCHITECTURAL SITE PLAN
1 = 30'-0"



ASP101

Autodesk Docs://Kiowa Casino/2109-031 Kiowa Casino Interiors.rvt

GENERAL NOTE:
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DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

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DATE:

01.17.2024

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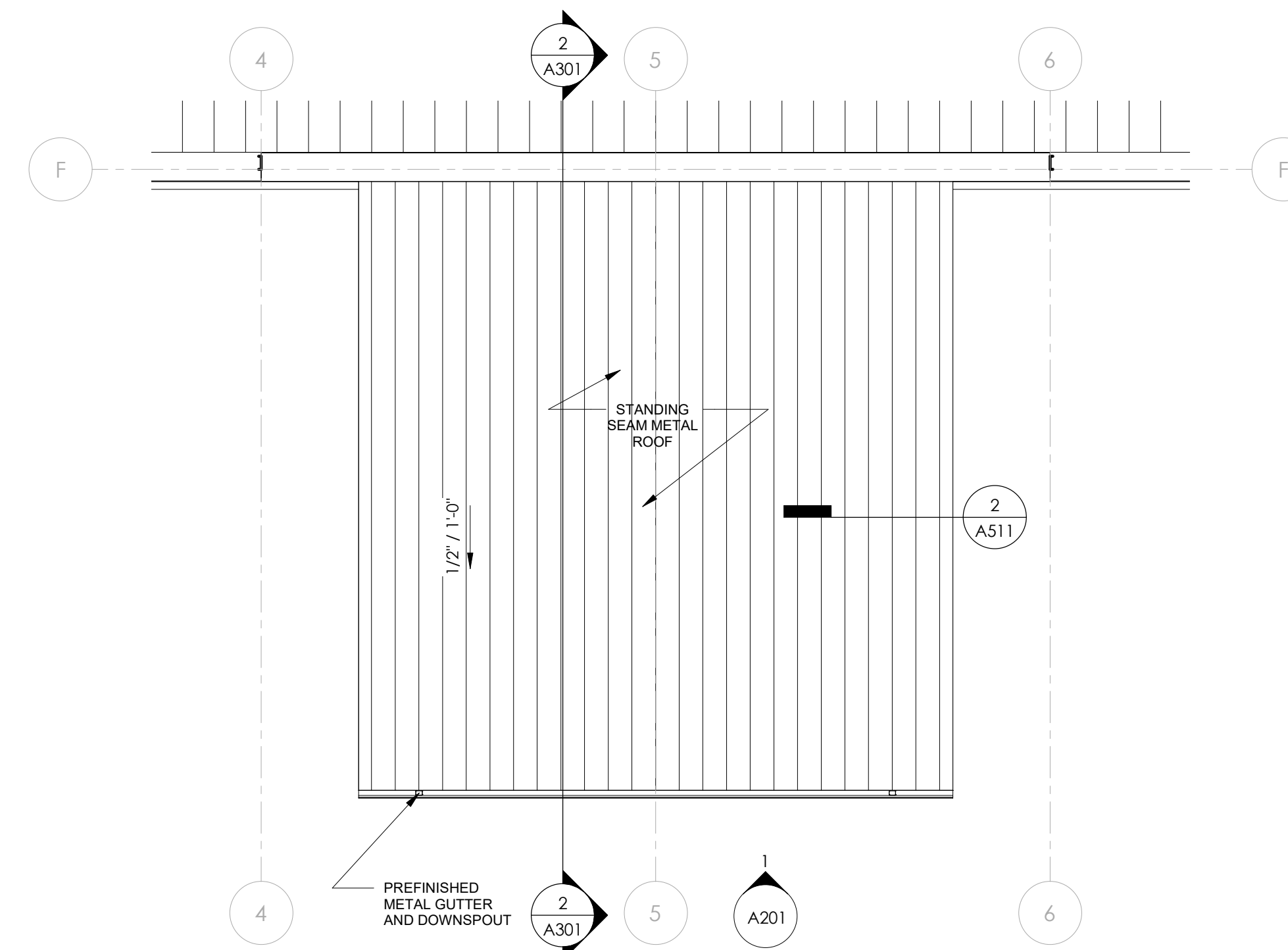
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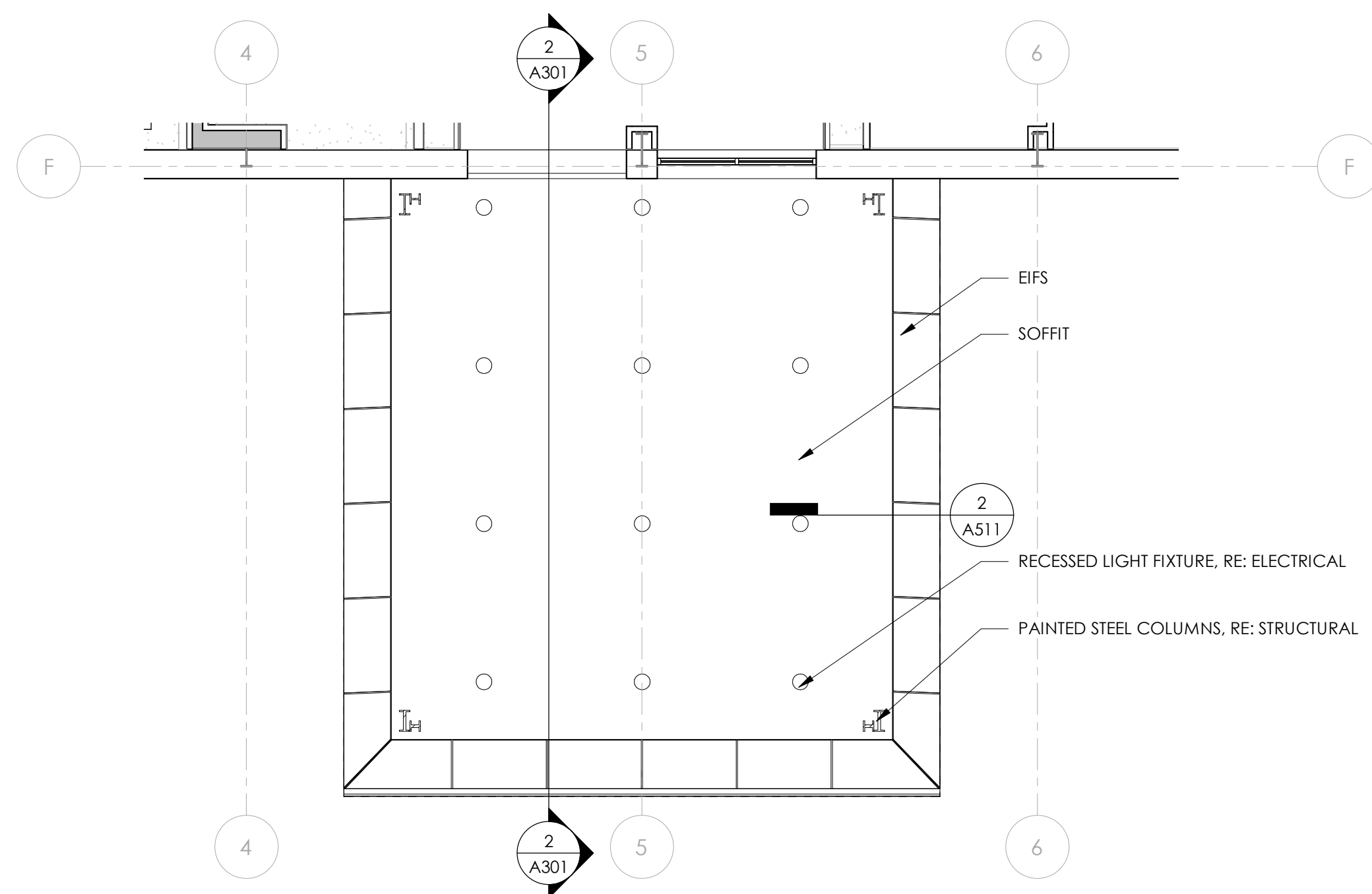
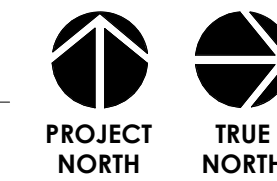
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CANOPY PLANS

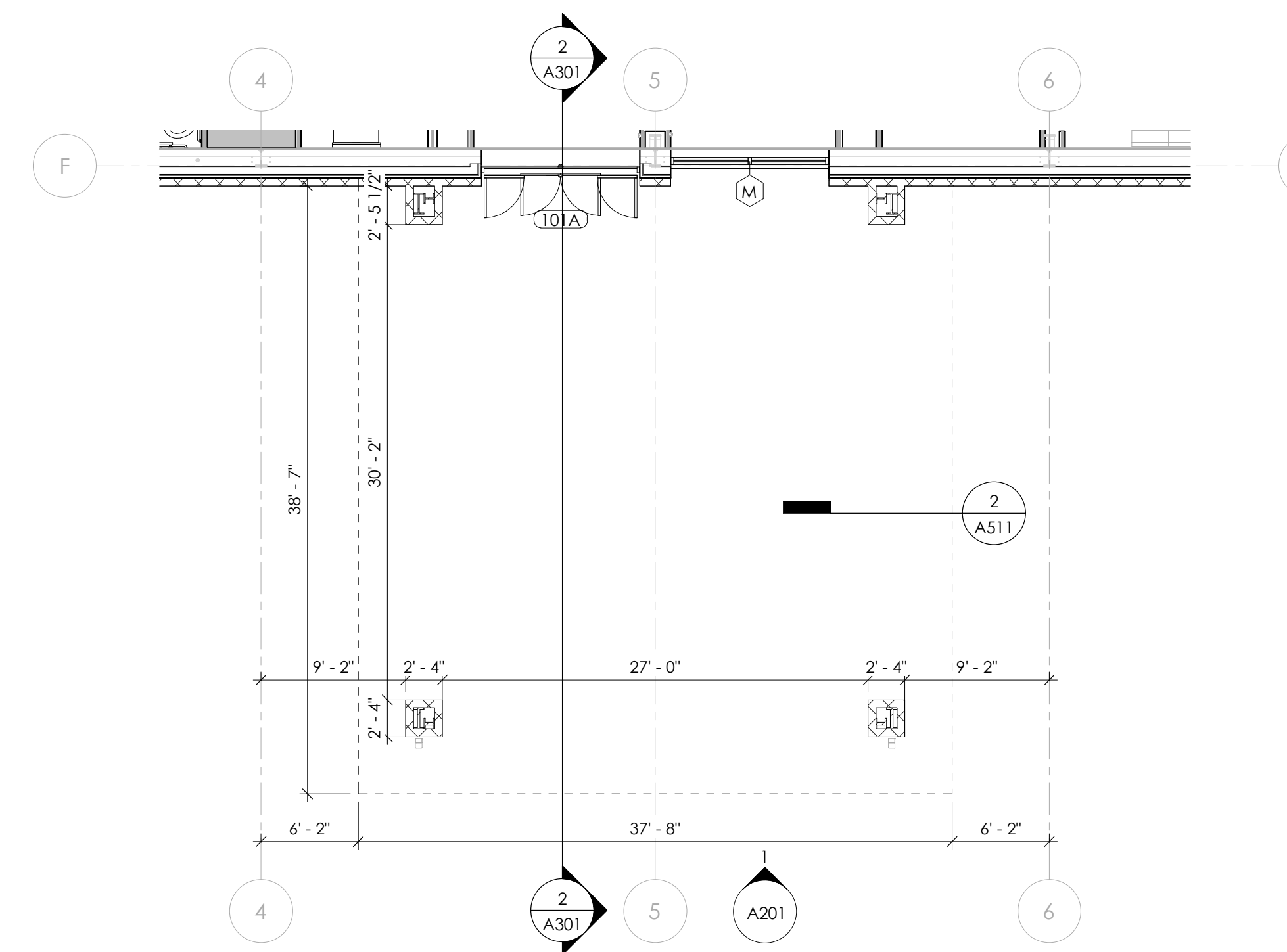
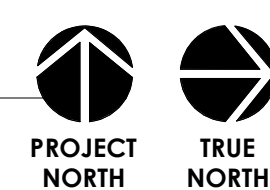
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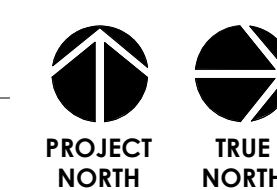
3 EXTERIOR CANOPY ROOF PLAN
1/8" = 1'-0"

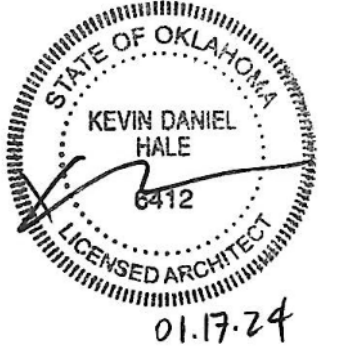


2 EXTERIOR CANOPY REFLECTED CEILING PLAN
1/8" = 1'-0"



1 EXTERIOR CANOPY FLOOR PLAN
1/8" = 1'-0"





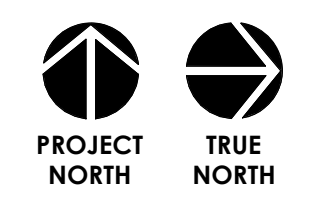
1 OVERALL FLOOR PLAN
3/32" = 1'-0"

DRAWN FOR:
**KIOWA TRIBE
KIOWA CASINO**

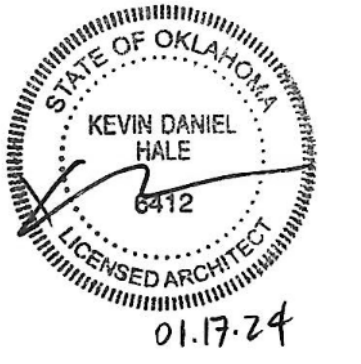
HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
PC / MV
CHECKED BY:
ND
SHEET TITLE:
OVERALL PLAN



A100



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

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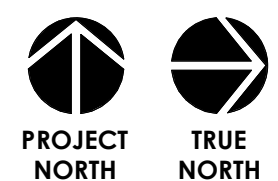
CHECKED BY:

KH / ND

SHEET TITLE:

REFERENCE FLOOR
PLAN

A101



SHEET NOTES:

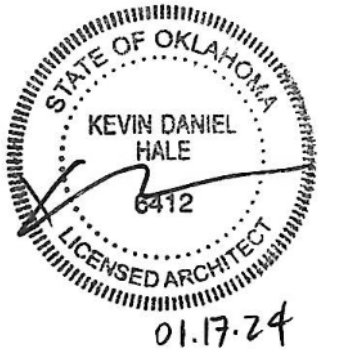
1. ALL PARTITIONS TO BE WALL TYPE M3.0, UNLESS NOTED OTHERWISE.

DASH LINES INDICATES EXTENTS AND ORIENTATION OF CARBON STEEL BARRIER MESH



1 REFERENCE FLOOR PLAN
1/8" = 1'-0"

Autodesk Docs/Kiowa Casino/2109-031 Kiowa Casino Interiors.rvt



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

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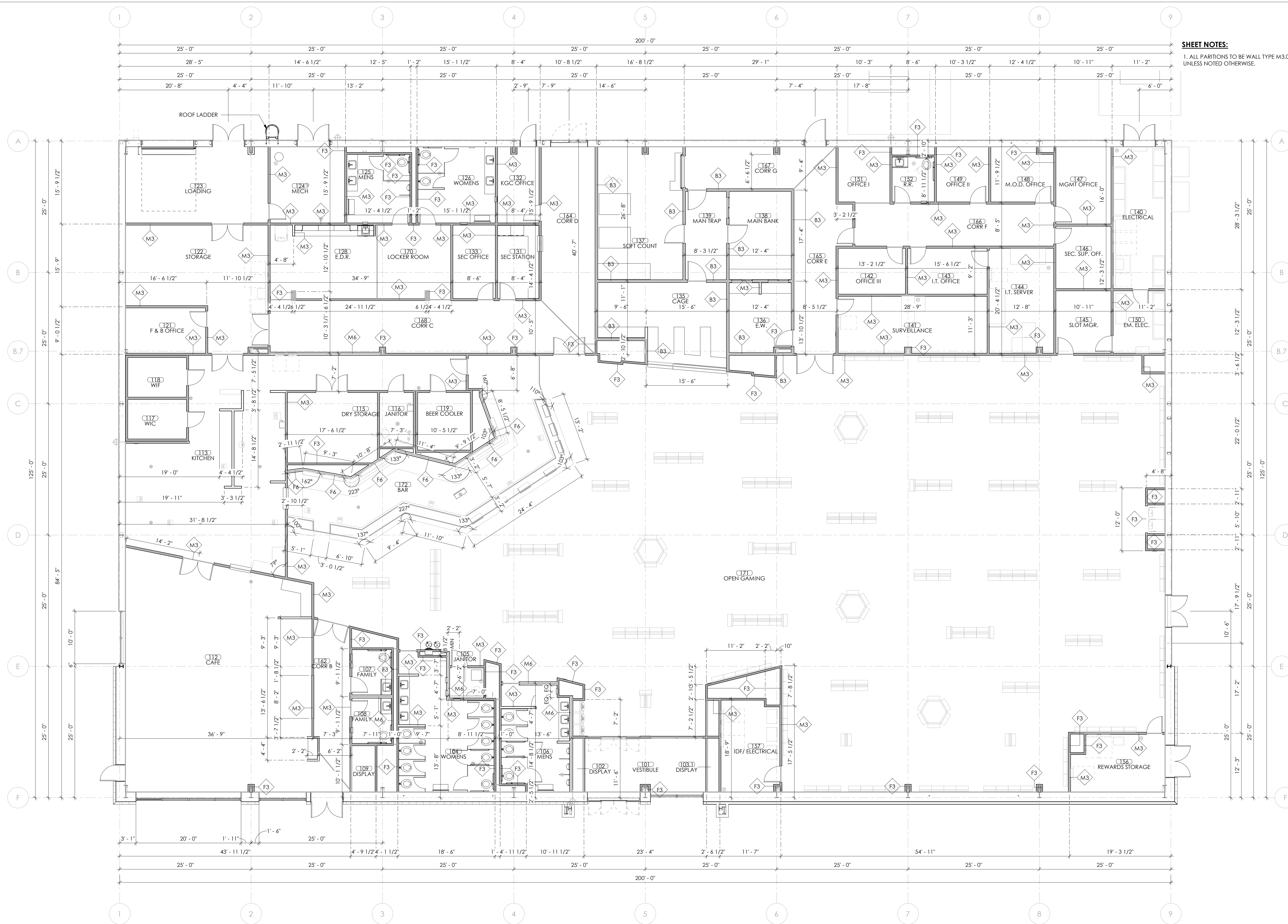
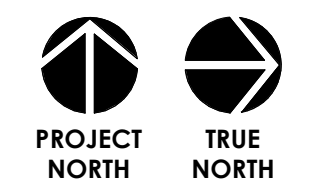
CHECKED BY:

KH / ND

SHEET TITLE:

DIMENSION FLOOR PLAN

A102



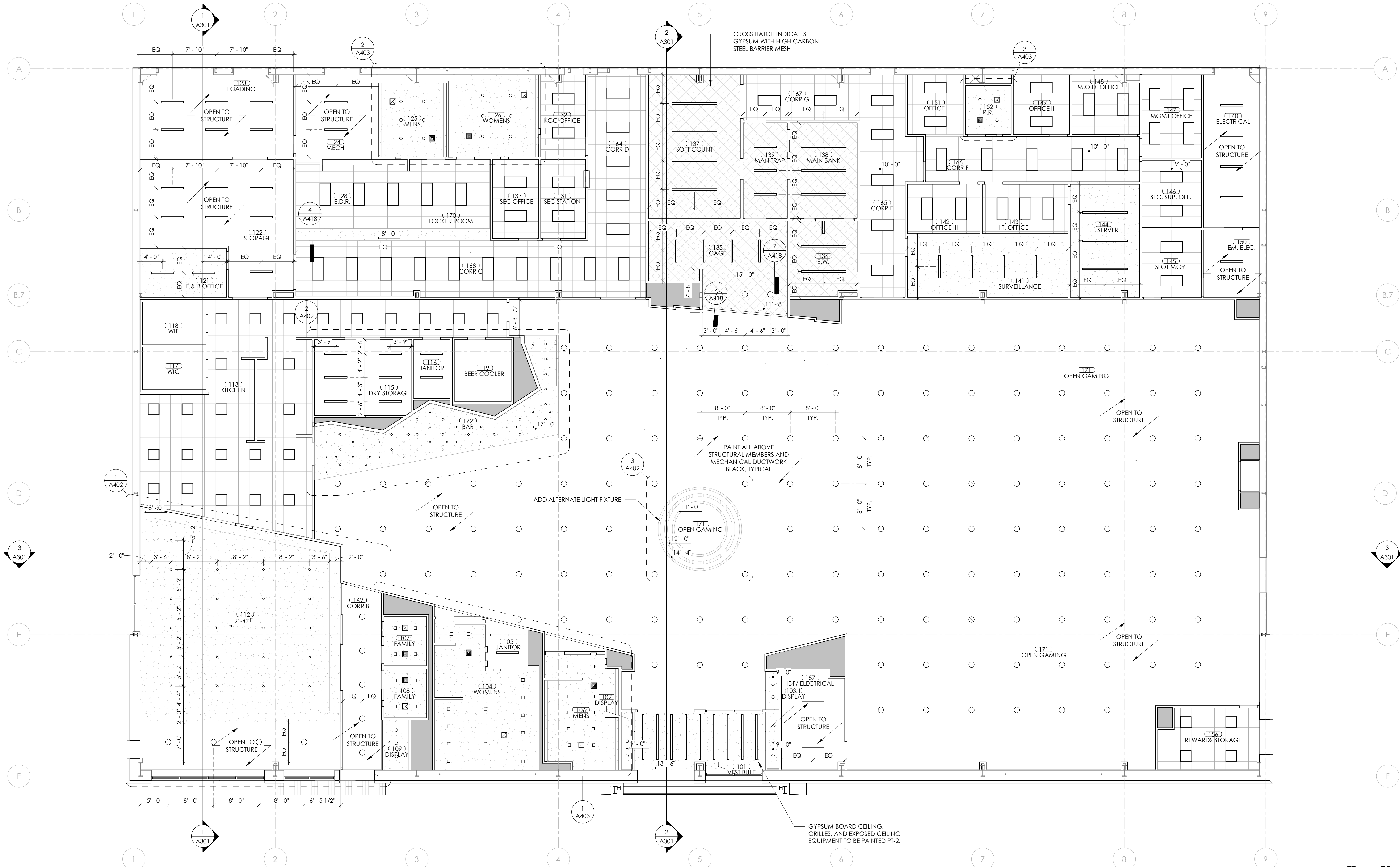
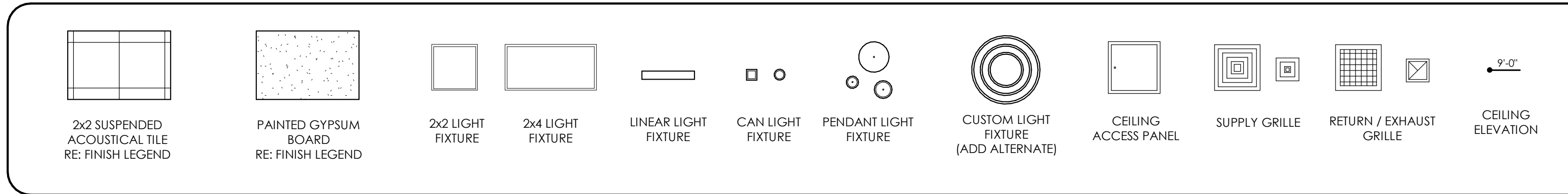
SHEET NOTES:

1. ALL PARTITIONS TO BE WALL TYPE M3.0, UNLESS NOTED OTHERWISE.

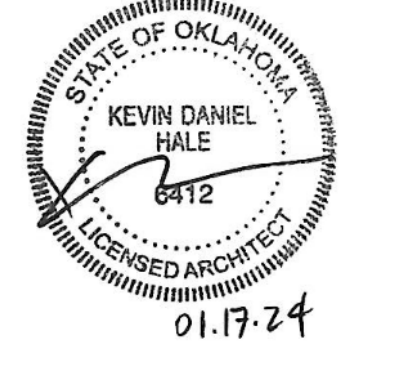
1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

Autodesk Docs://kiowa Casino/2109-031 Kiowa Casino Interior.rvt

CEILING SYMBOLS



GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

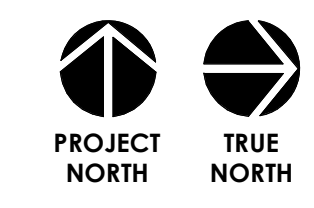
HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

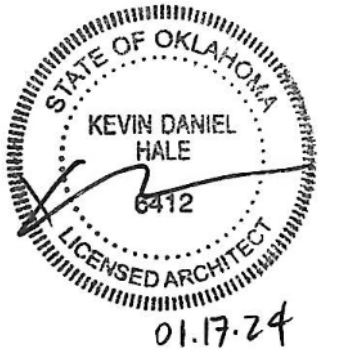
PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
PC / MV
CHECKED BY:
KH / ND
SHEET TITLE:

OVERALL REFLECTED CEILING PLAN

1 OVERALL REFLECTED CEILING PLAN
1/8" = 1'-0"



A103



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

PC

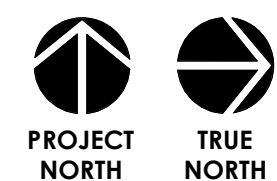
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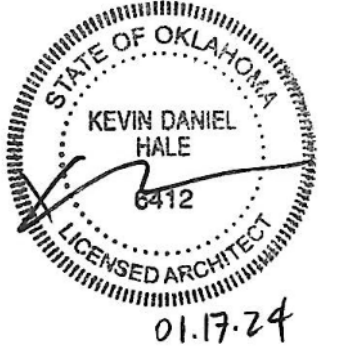
RAISED FLOORING
AREA FLOOR PLAN

A104



1 RAISED FLOORING AREA FLOOR PLAN
1/8" = 1'-0"

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DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

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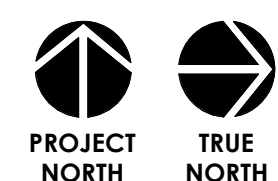
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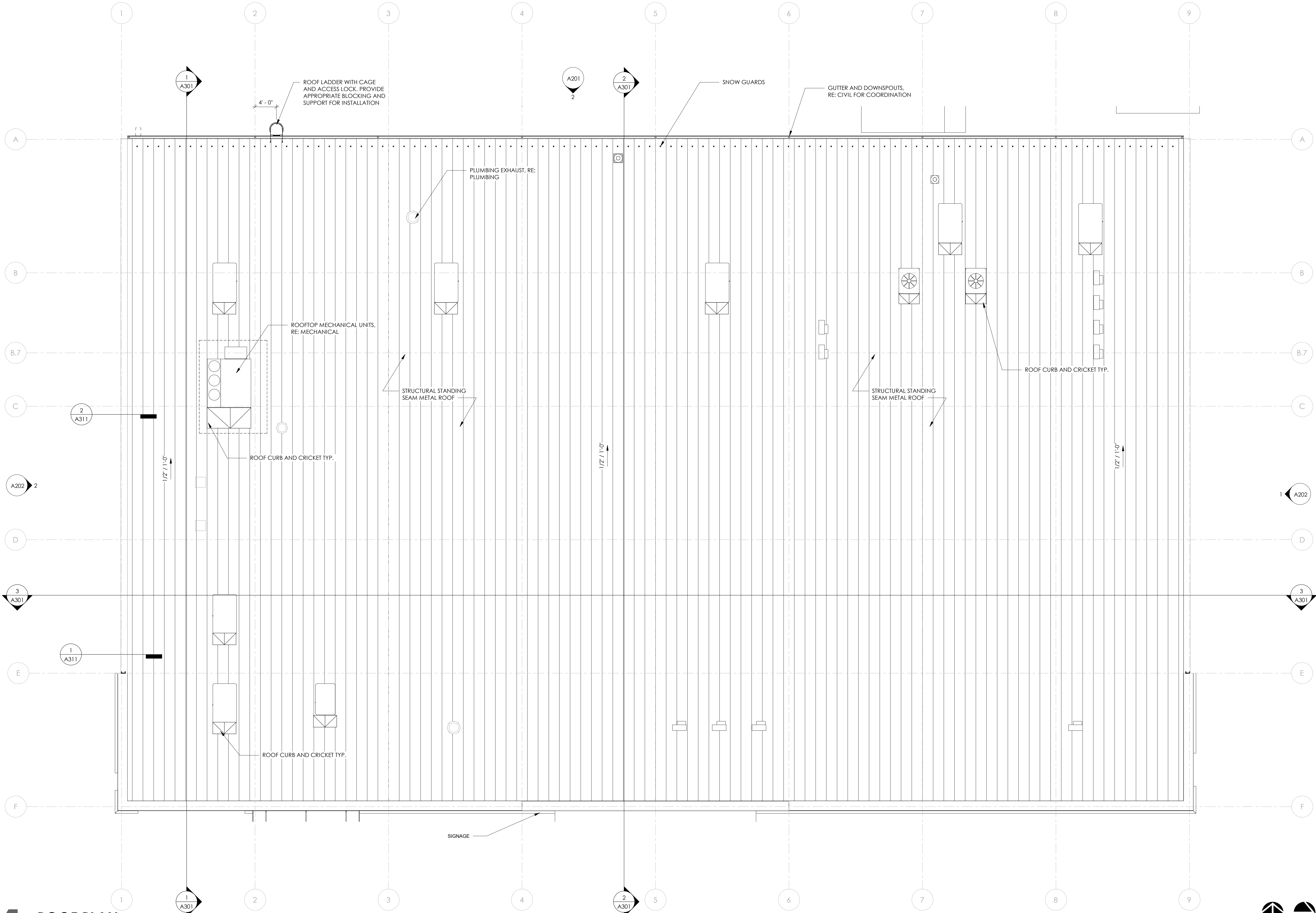
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SHEET TITLE:

ROOF PLAN

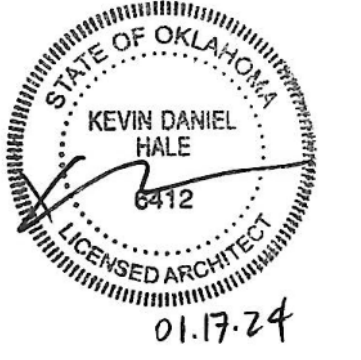


A141



1 ROOF PLAN
1/8" = 1'-0"

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DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

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DRAWN BY:

PC

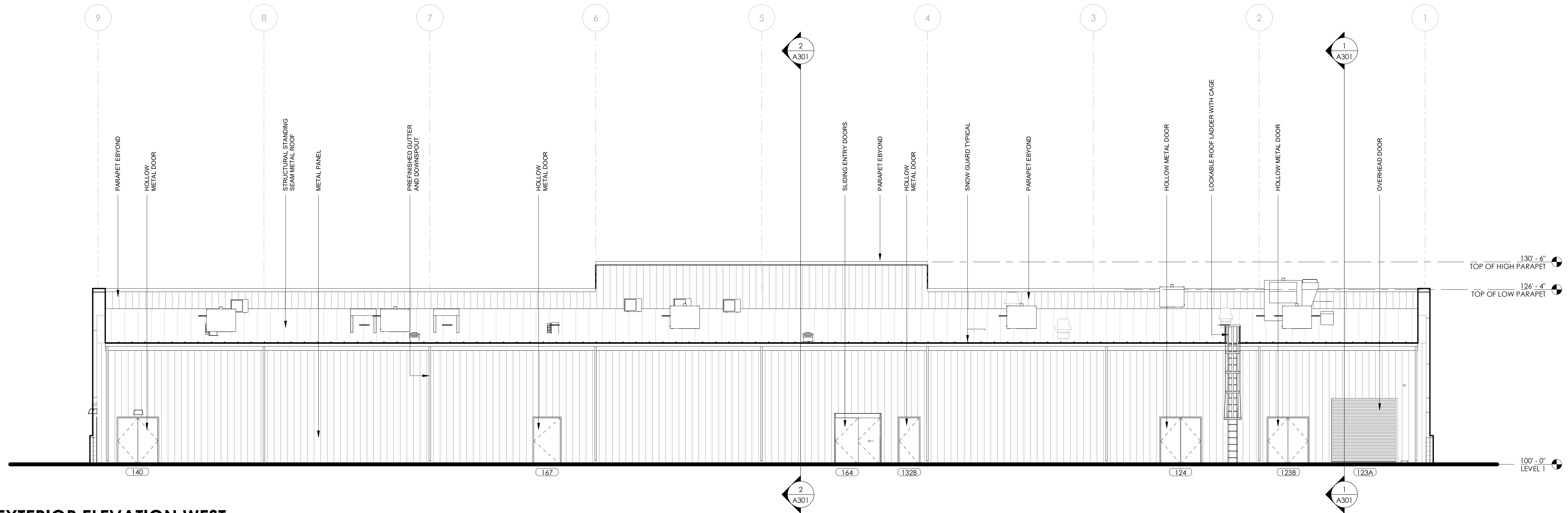
CHECKED BY:

KH / ND

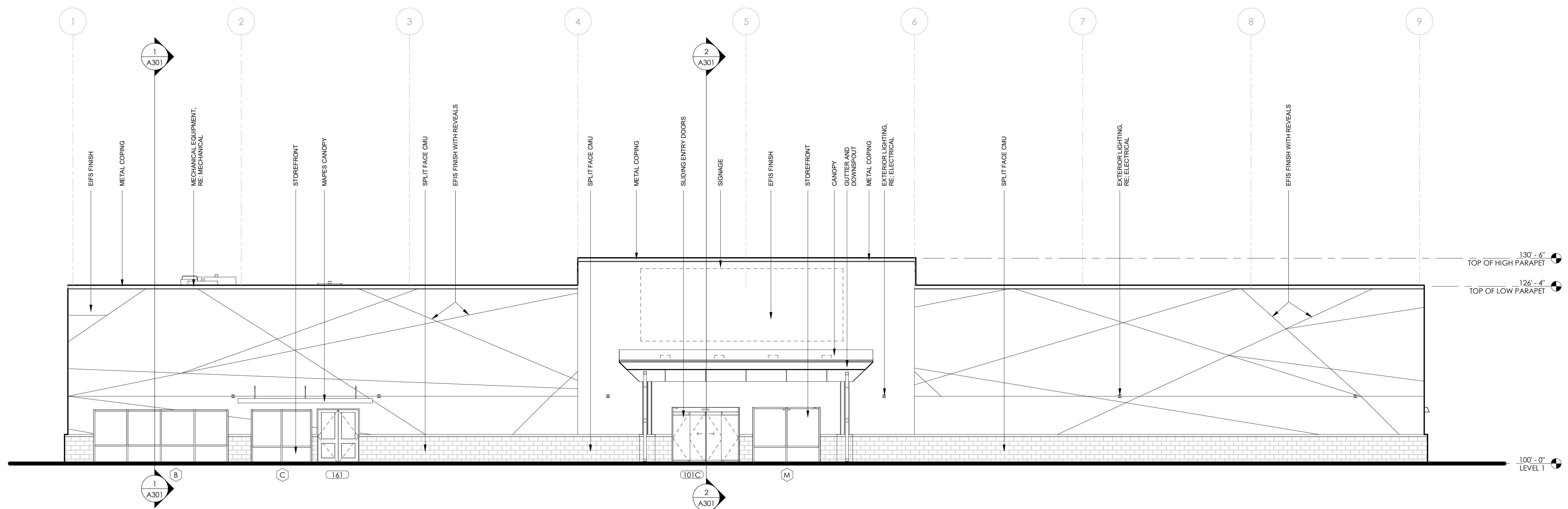
SHEET TITLE:

EXTERIOR ELEVATIONS

A201

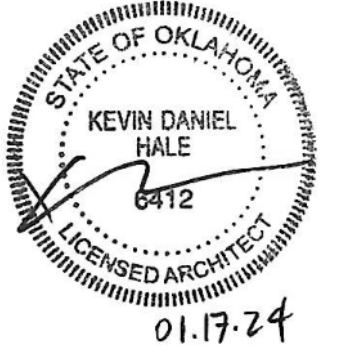


2 EXTERIOR ELEVATION WEST
1/8" = 1'-0"



1 EXTERIOR ELEVATION EAST
1/8" = 1'-0"

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

PC

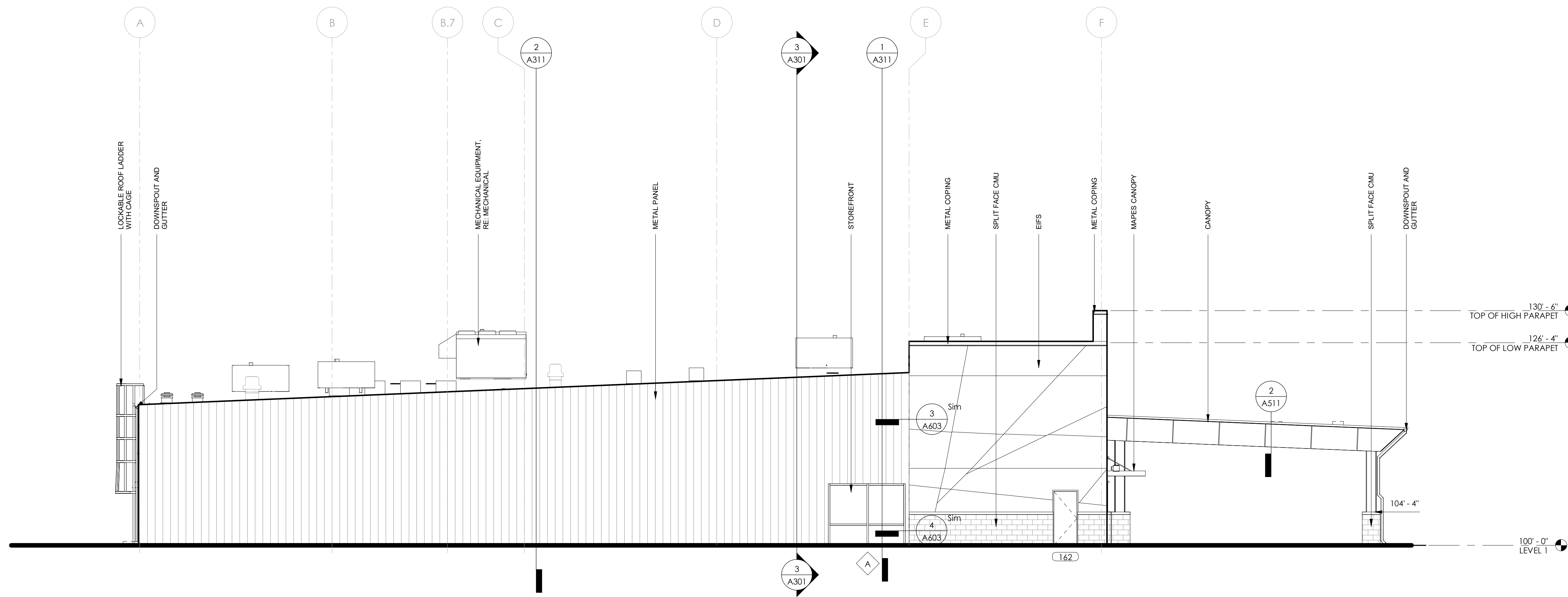
CHECKED BY:

KH / ND

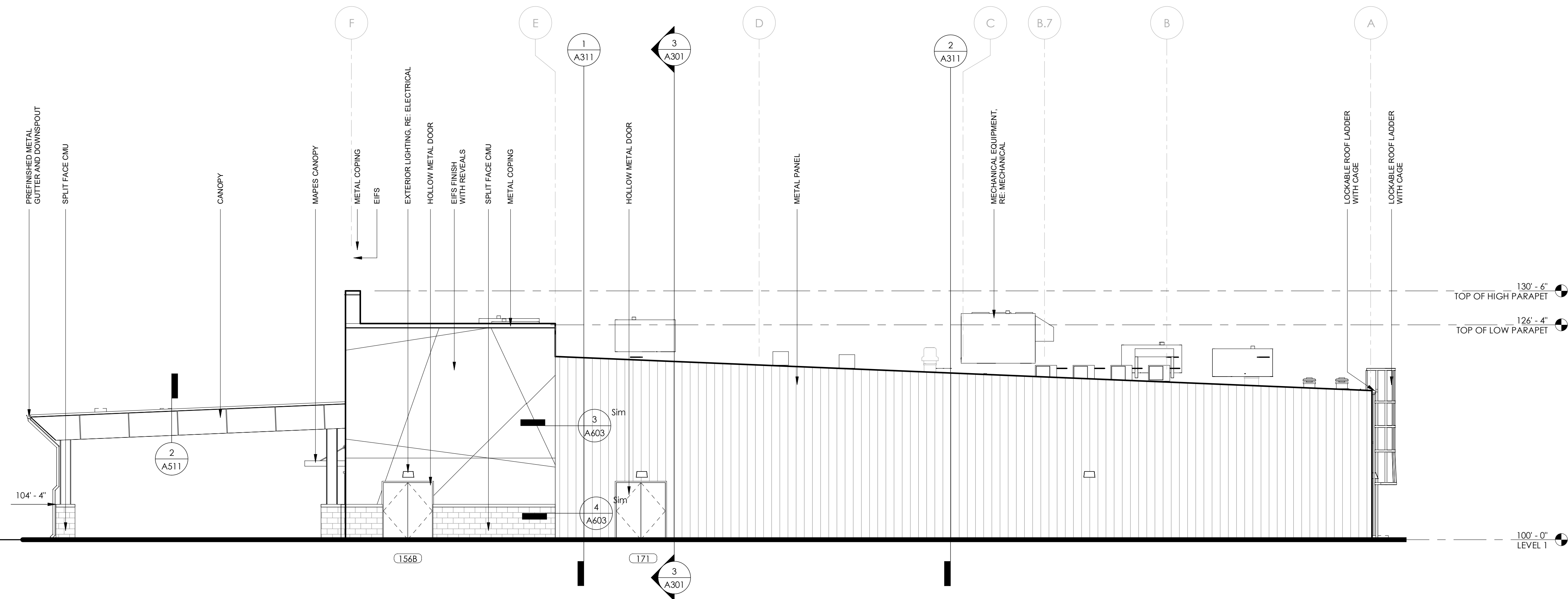
SHEET TITLE:

EXTERIOR ELEVATIONS

A202

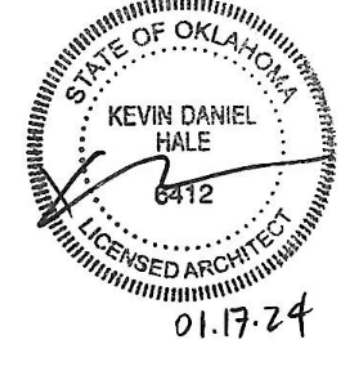


2 EXTERIOR ELEVATION SOUTH
1/8" = 1'-0"



1 EXTERIOR ELEVATION NORTH
1/8" = 1'-0"

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

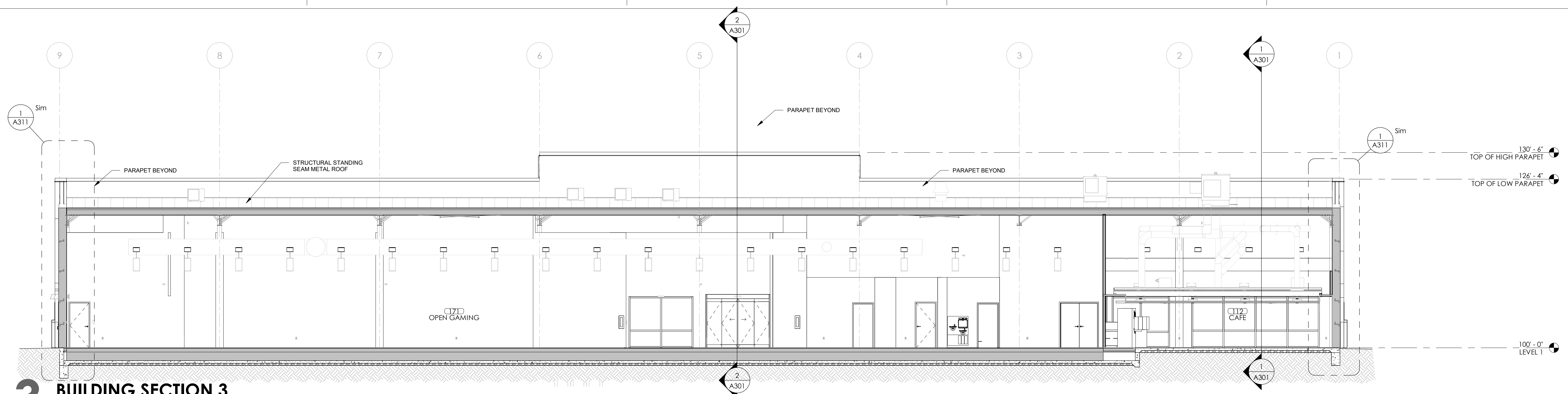
HIGHWAY 183
HOBART, OKLAHOMA 73651

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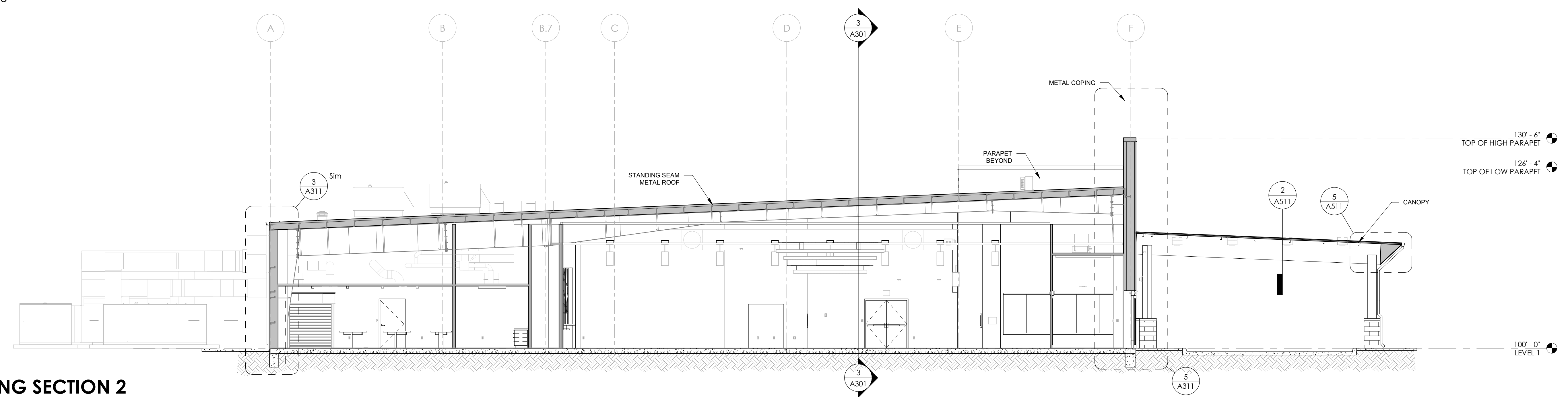
PROJECT NUMBER:
2109-031
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01.17.2024
DRAWN BY:
PC
CHECKED BY:
ND

SHEET TITLE:
BUILDING SECTIONS

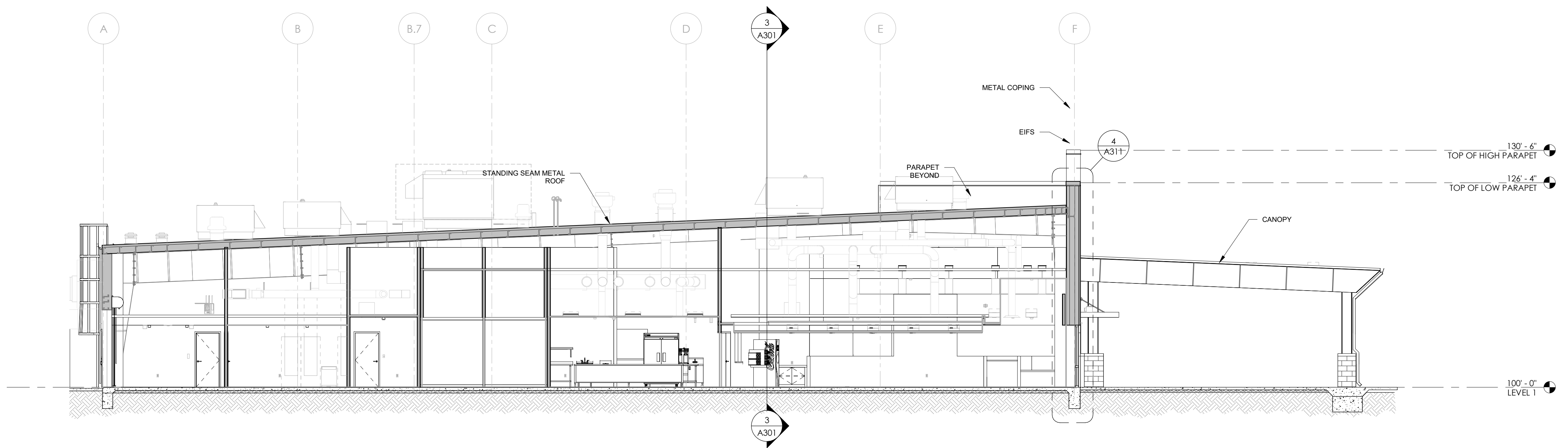
A301



3 BUILDING SECTION 3
1/8" = 1'-0"



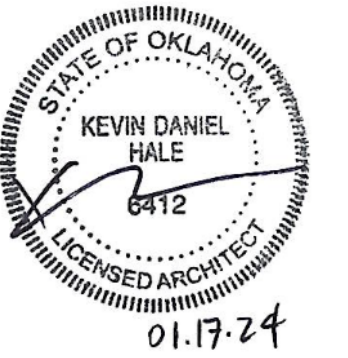
2 BUILDING SECTION 2
1/8" = 1'-0"



1 BUILDING SECTION 1
1/8" = 1'-0"

Autodesk Docs://Kiowa Casino/2109-031 Kiowa Casino Interior.rvt

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

ISSUE:
DESIGN DEVELOPMENT

DATE:

ISSUE DATE HERE

DRAWN BY:

Author

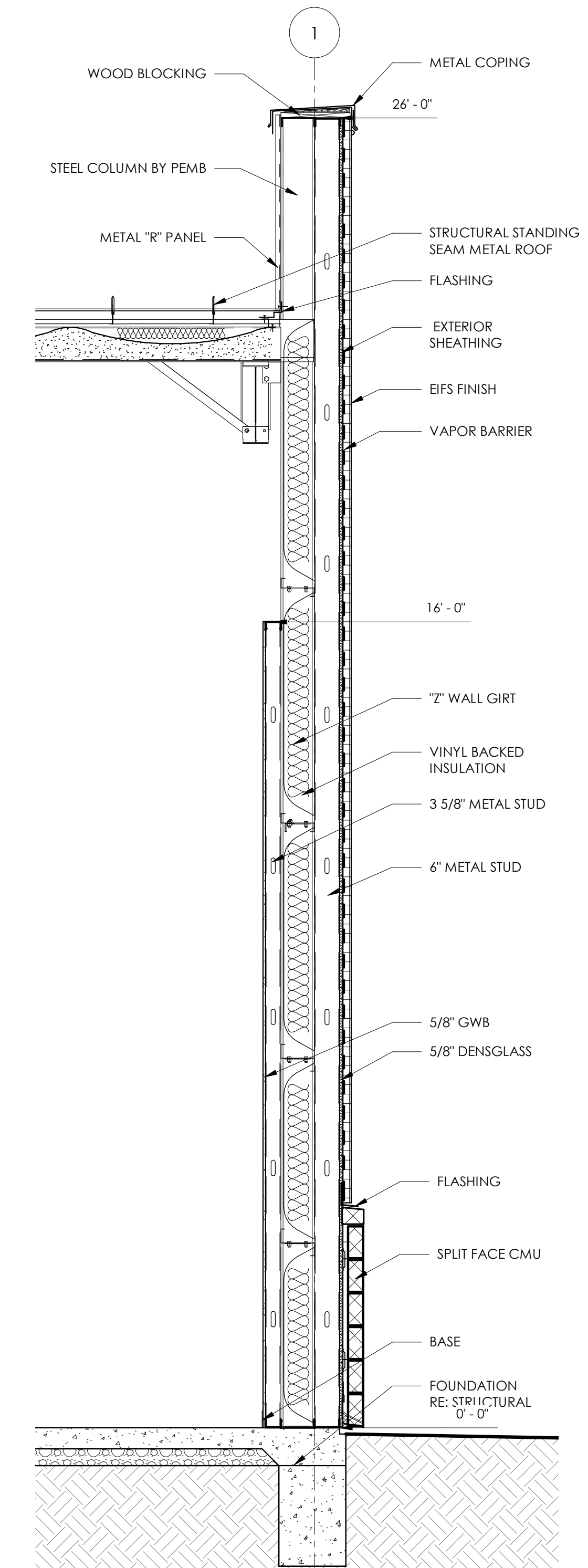
CHECKED BY:

Checker

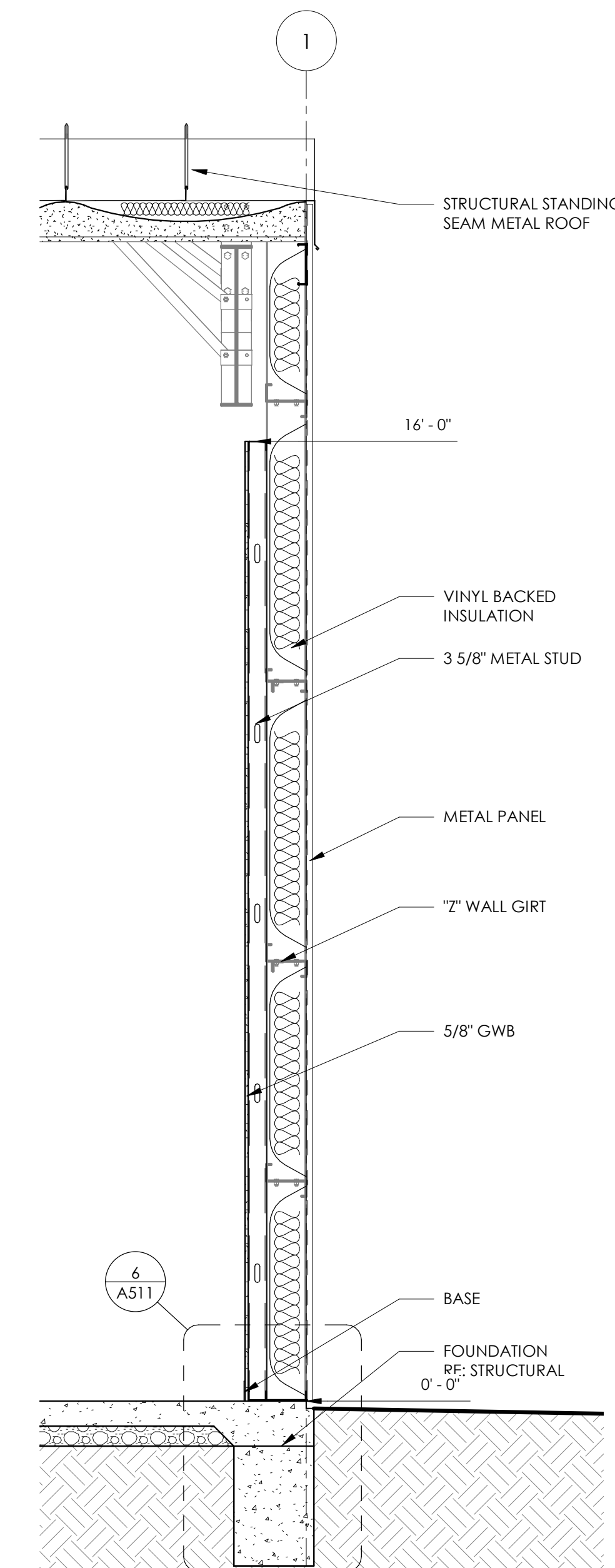
SHEET TITLE:

WALL SECTIONS

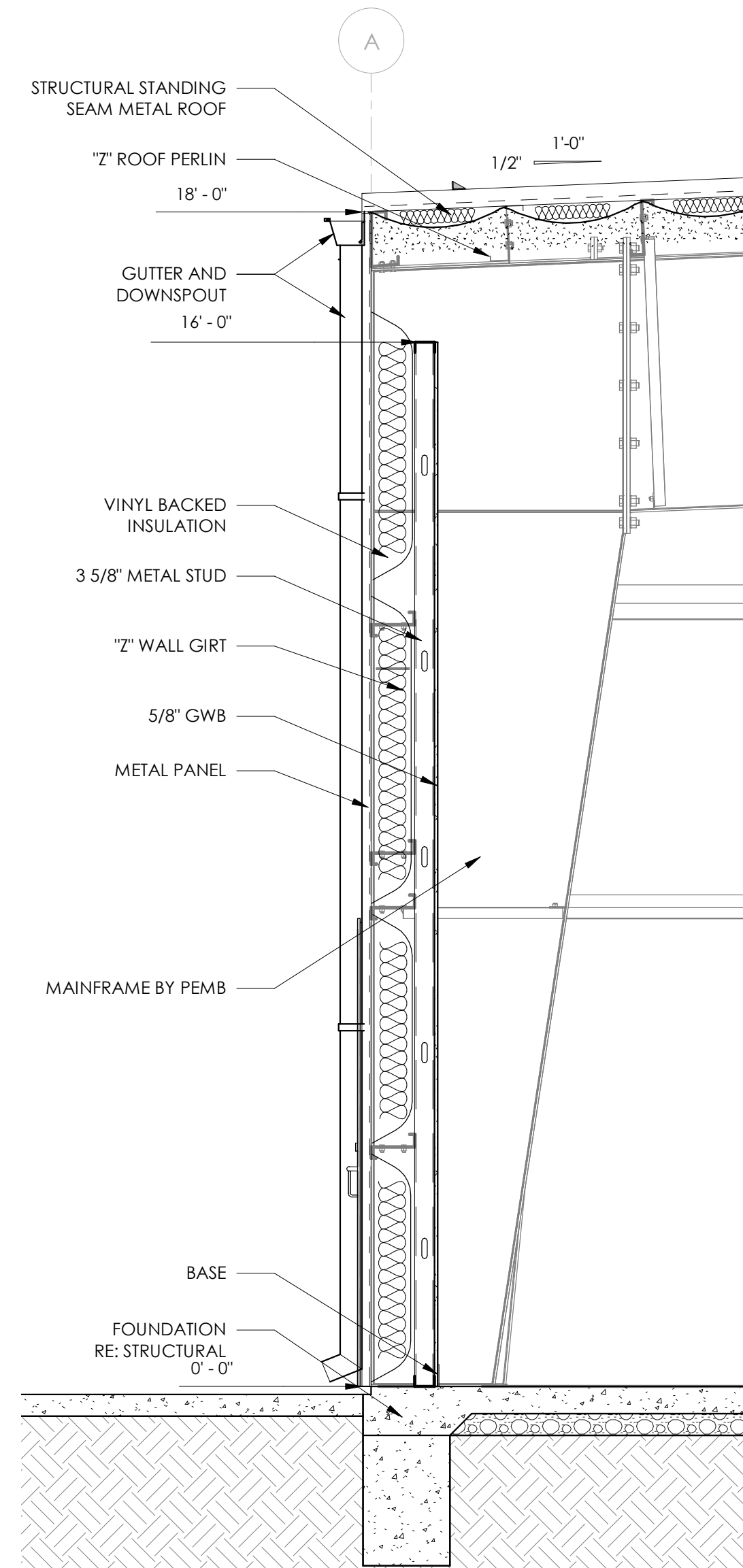
A311



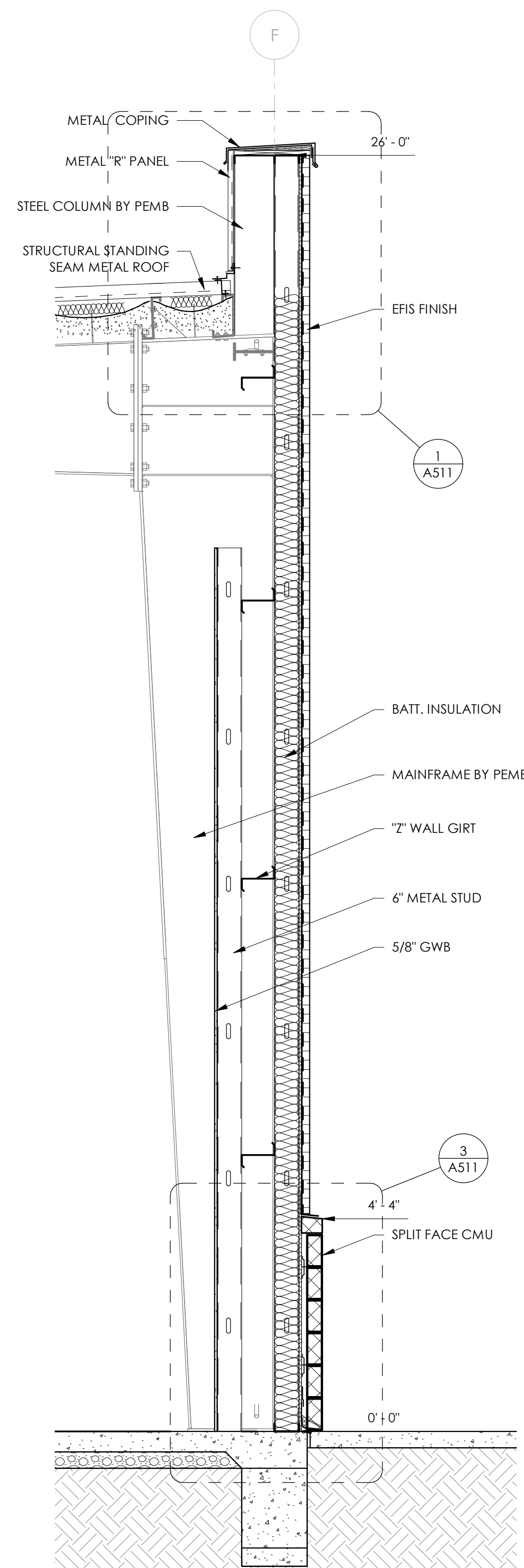
1 WALL SECTION 1
1/2" = 1'-0"



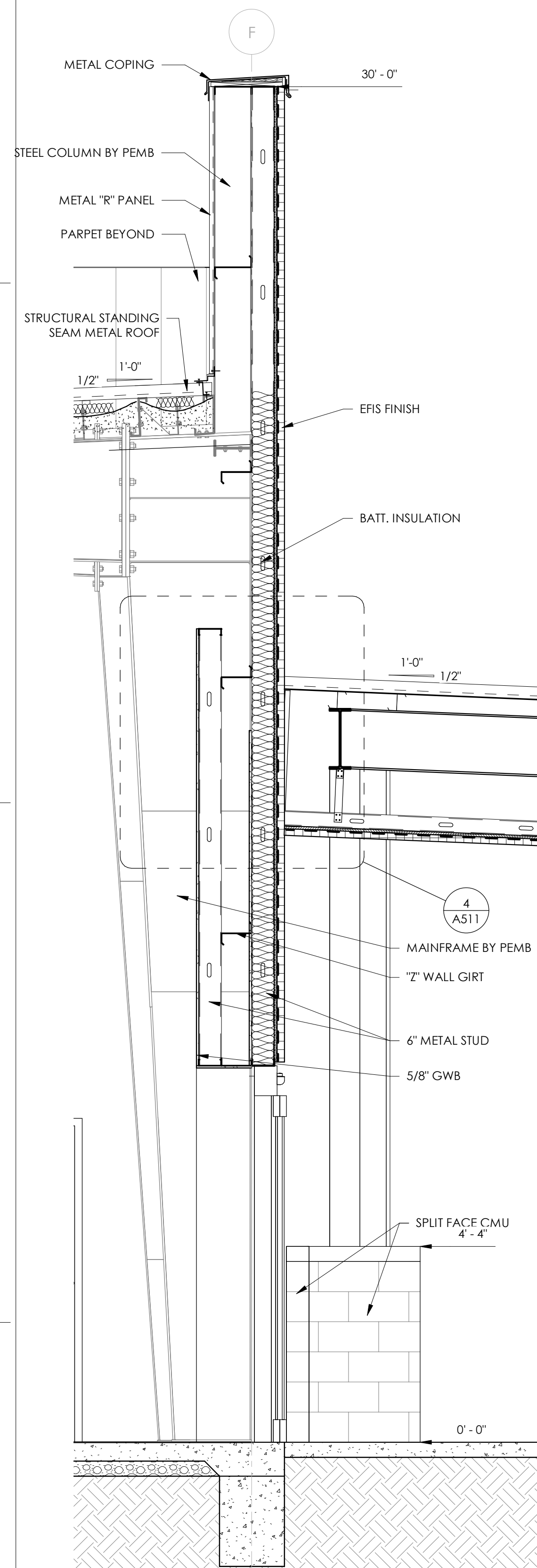
2 WALL SECTION 2
1/2" = 1'-0"



3 WALL SECTION 3
1/2" = 1'-0"



4 WALL SECTION 4
1/2" = 1'-0"

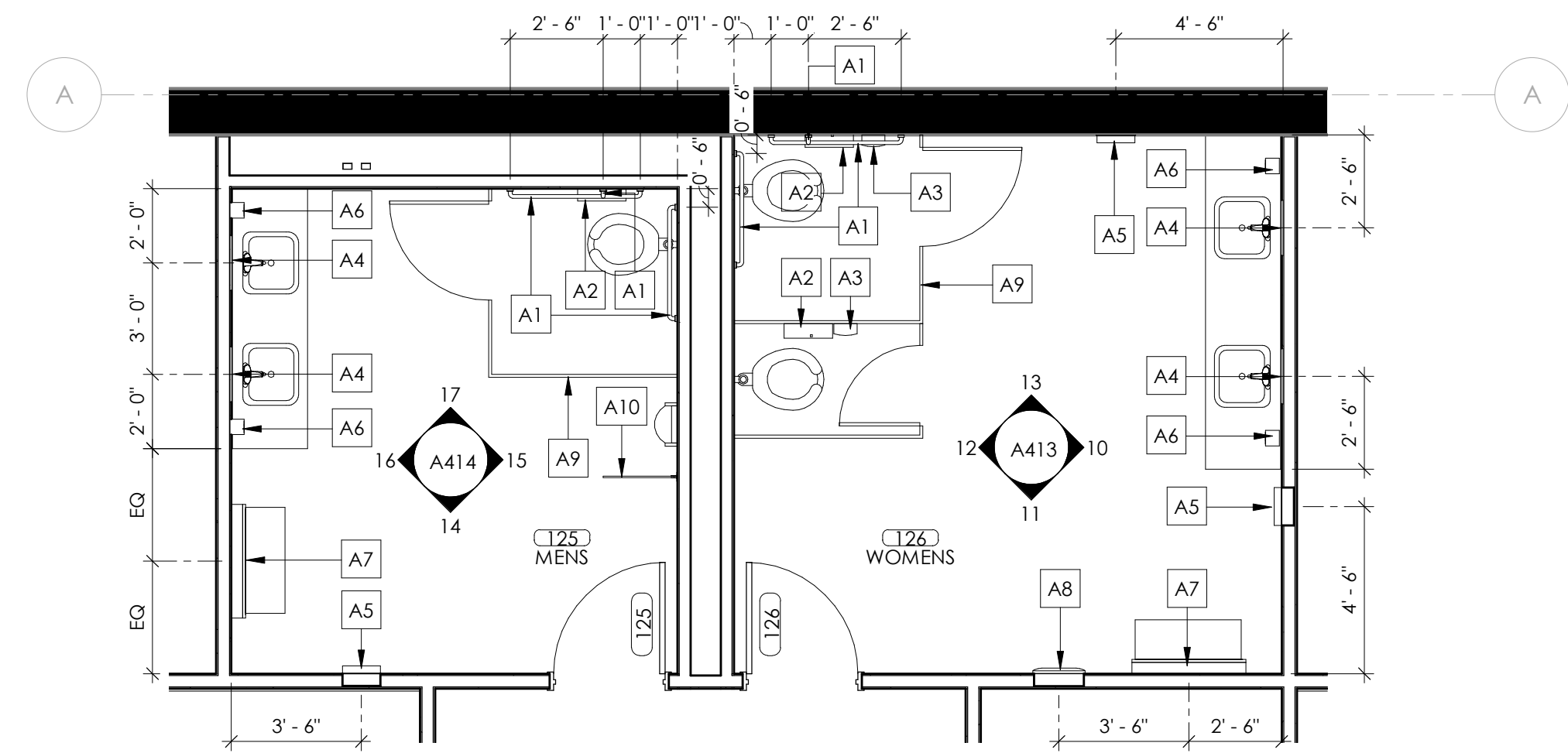
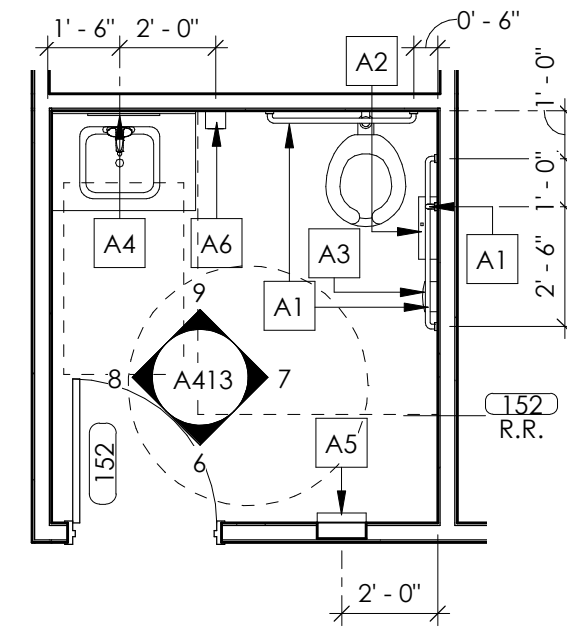


5 WALL SECTION 5
1/2" = 1'-0"

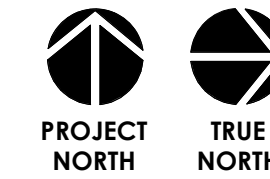
TOILET ACCESSORIES SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING HEIGHT A.F.F.	NOTES
A1	S.S. GRAB BAR - 18", 36", 42"	BRADLEY	812	MOUNT 18" - 40" TO CENTERLINE, 36" & 42" - 33" TO CENTERLINE	1
A2	TOILET TISSUE DISPENSER - DOUBLE	BRADLEY	5425	MOUNT PER ICC/ ANSI 117.1 - 2003	1
A3	SANITARY NAPKIN DISPOSAL	BRADLEY	4A11	SURFACE MOUNTED, TOP OF DISPOSAL DOOR AT 32"	1
A4	LAVATORY MIRROR, 18"W X 36"H			SURFACE MOUNTED, BOTTOM OF GLASS AT 40"	1
A5	PAPER TOWEL DISPENSER/WASTE - AUTO	BRADLEY	2A25	RECESSED - PAPER TOWEL OPENING AT 40"	1
A6	SOAP DISPENSER - AUTO	BRADLEY	6A00-11	MOUNT PER ICC/ ANSI 117.1 - 2003	1
A7	BABY CHANGING STATION	BRADLEY	962-11	SURFACE MOUNTED TOP OF CHANGING TABLE AT 48"	1
A8	SANITARY NAPKIN VENDOR	BRADLEY	4A20	RECESSED - VENDOR OPENING AT 40"	1
A9	PHENOLIC TOILET COMPARTMENTS	ASI	ALPACO ELEGANCE		1, WHITE 1050
A10	PHENOLIC URINAL SCREEN	ASI		48" WALL HUNG SCREEN AT 6" AFF	1, WHITE 1050

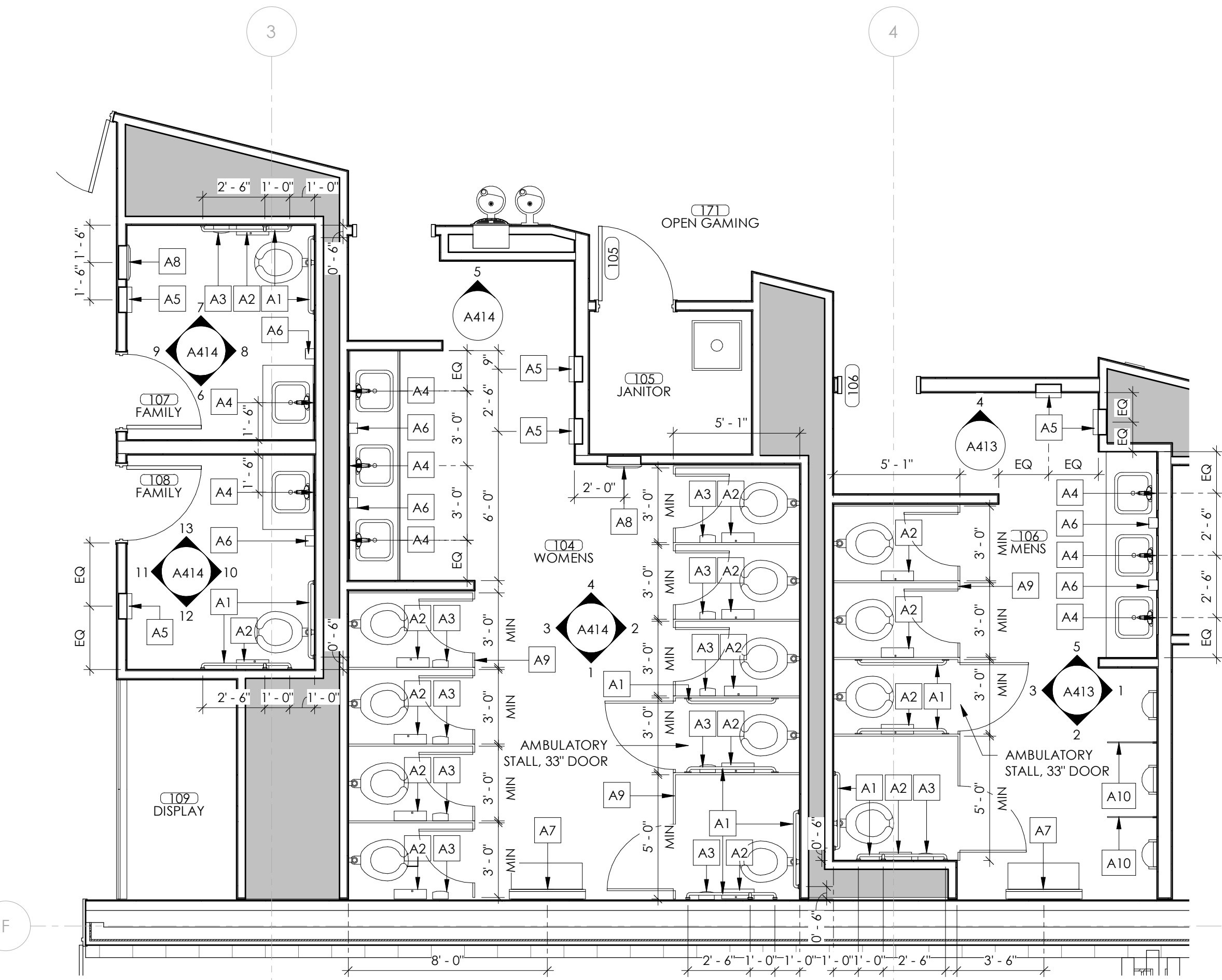
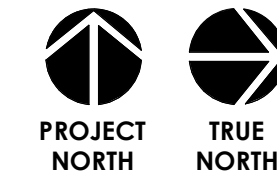
NOTES:
1. REQUIRES BRACING



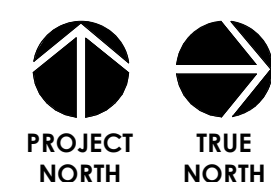
4 ENLARGED RESTROOM PLAN
1/4" = 1'-0"



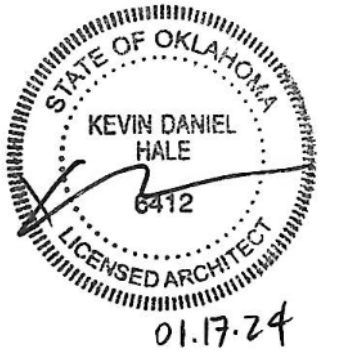
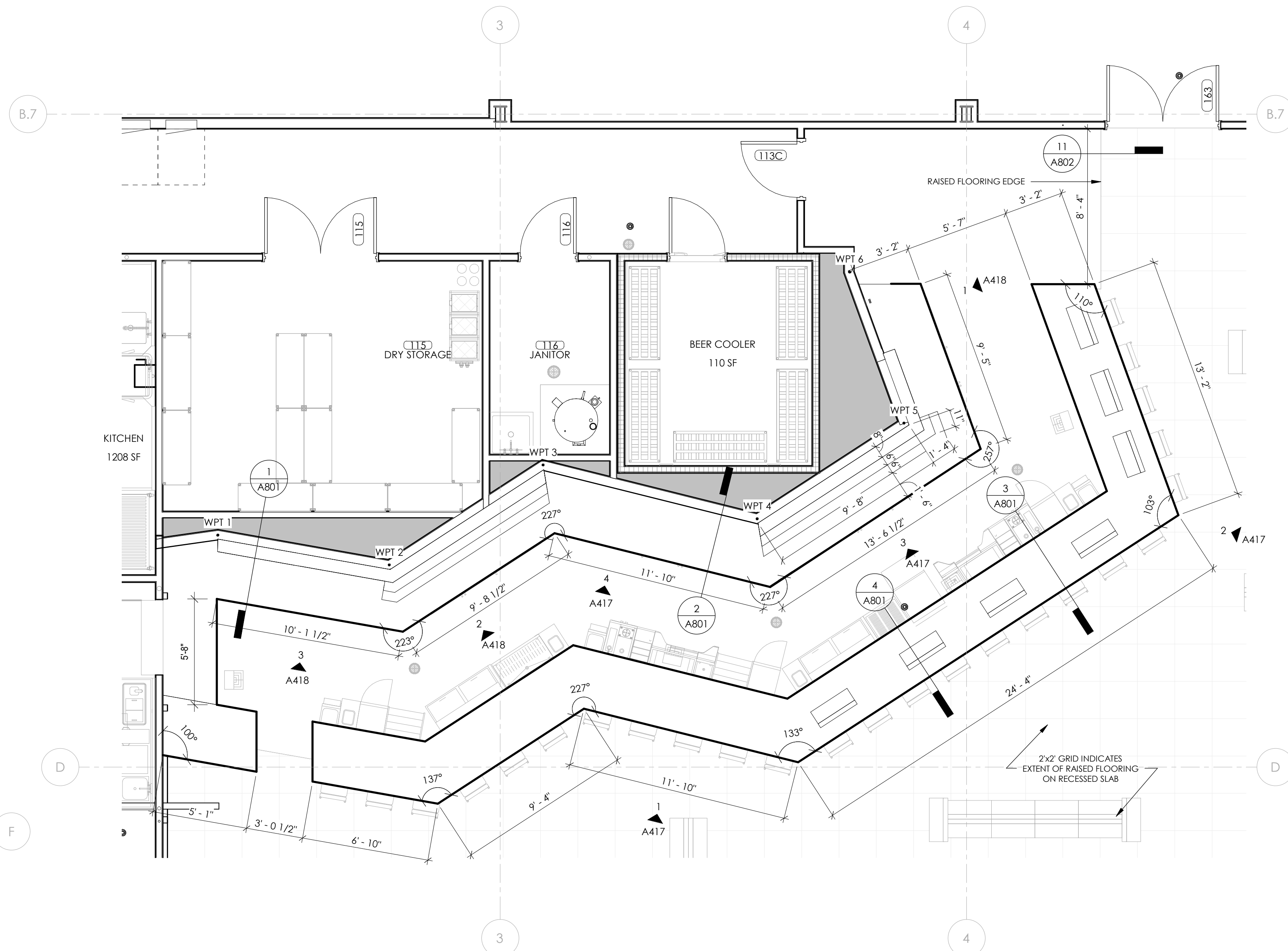
3 ENLARGED EMPLOYEE RESTROOMS
1/4" = 1'-0"



2 ENLARGED PUBLIC RESTROOMS
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - BAR
1/4" = 1'-0"



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

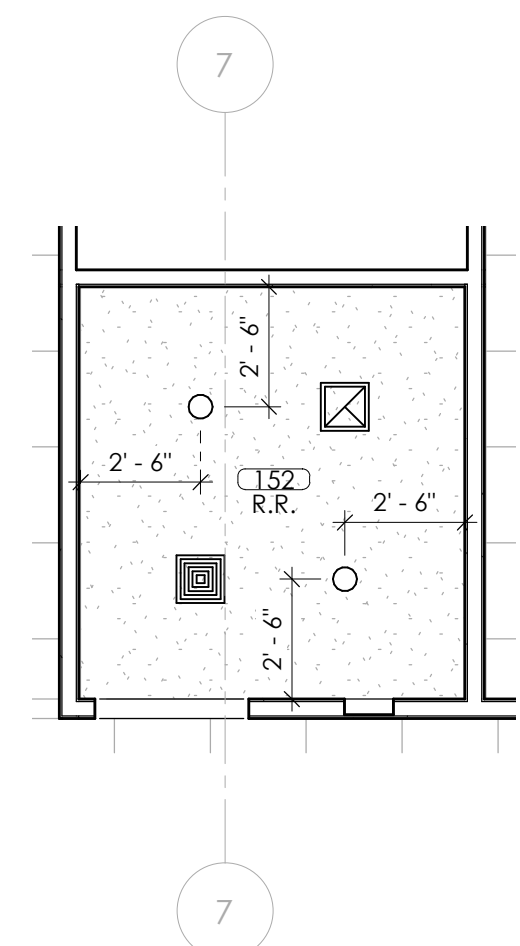
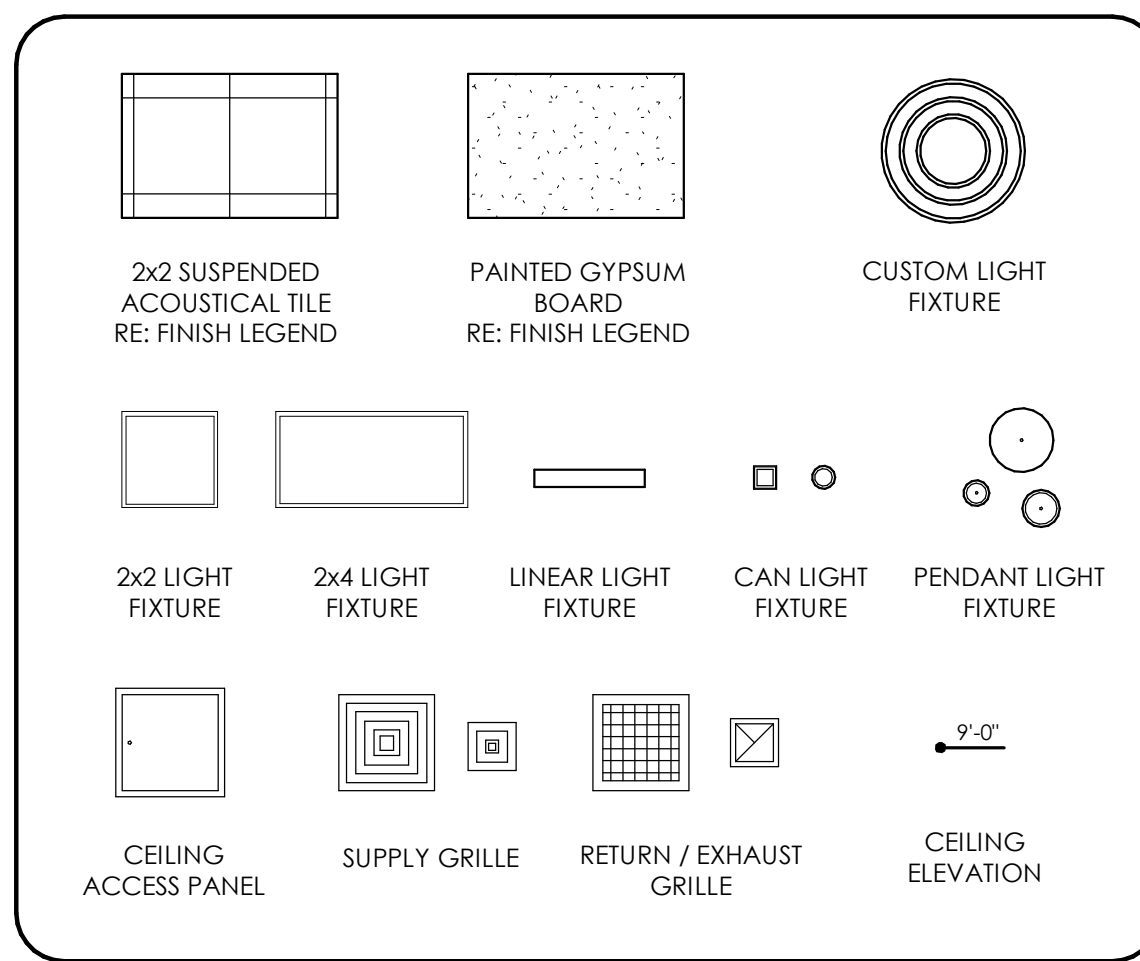
NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
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ISSUE 01: RE-BID CONSTRUCTION SET
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MV
CHECKED BY:
ND
SHEET TITLE:
ENLARGED PLANS

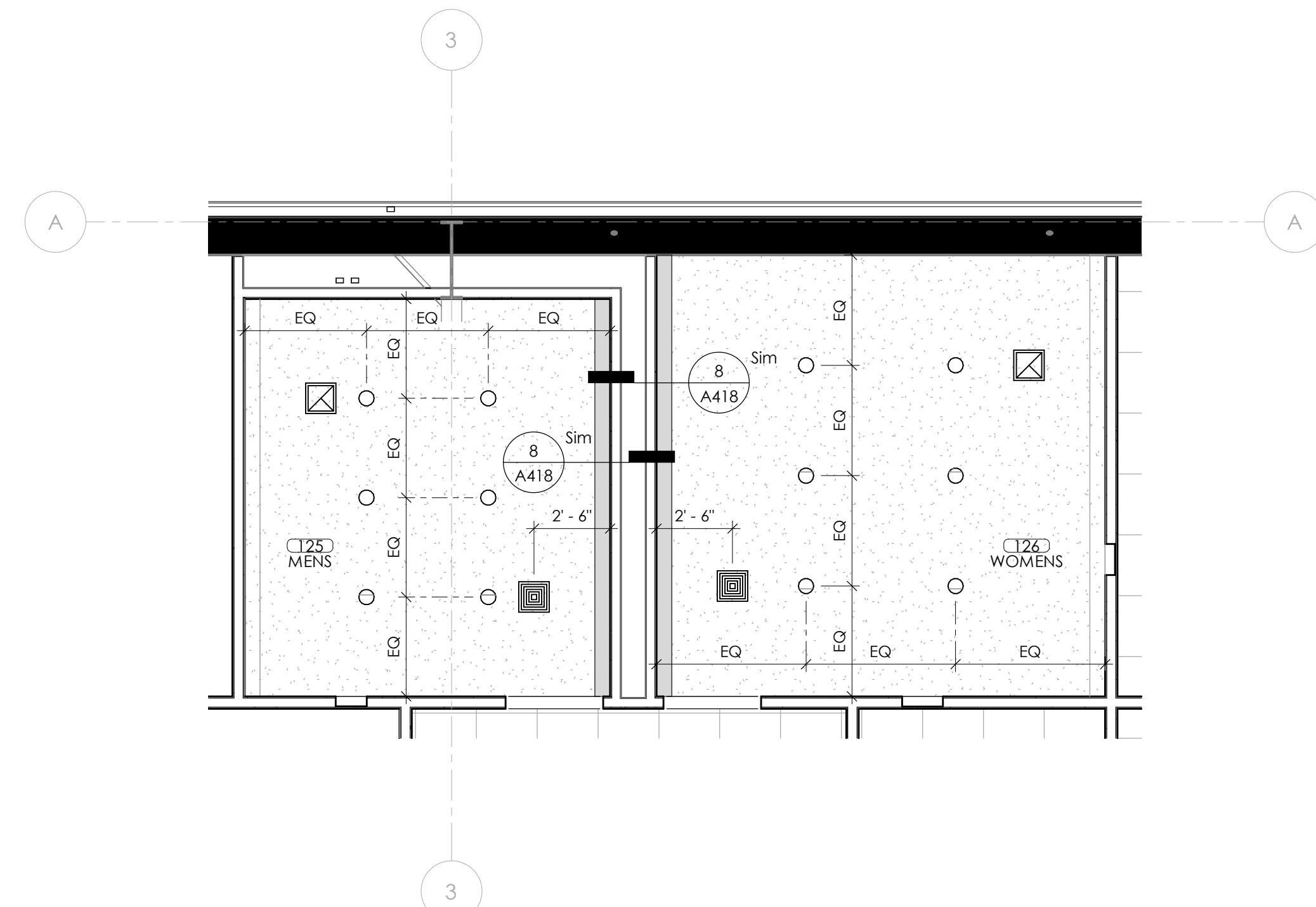
SHEET NOTES:

- ALL CEILINGS TO BE 9'-0" UNO.
- ALL GYPSUM BOARD CEILINGS TO BE PAINTED PT-3 UNO. RE: ROOM FINISH SCHEDULE.
- ALL OPEN CEILINGS, STRUCTURE, METAL DECKING, GRILLES, AND EXPOSED CEILING EQUIPMENT TO BE PAINTED PT-3 UNO. RE: ROOM FINISH SCHEDULE.
- REFER TO THE A000 SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, INSTALLATION RULES, MATERIAL SYMBOLS, ABBREVIATIONS, AND DIMENSIONING CONVENTIONS USED ON THIS DRAWING. VERTICAL ELEVATIONS ON THIS PLAN ARE SHOWN RELATIVE TO THE FINISH FLOOR.
- ALL FURRDOWNS AND SOFFITS SHALL BE PAINTED PT-1 UNO.
- FOR BASIC LIFE SAFETY AND CODE INFORMATION APPLYING TO THIS PROJECT, REFER TO THE A000 SERIES SHEETS LOCATED PER THE INDEX OF DRAWINGS.
- REFER TO AND COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DRAWING.
- REFER TO THE A600 SERIES SHEETS FOR INTERIOR FINISH INFORMATION.
- REFER TO STRUCTURAL DRAWINGS FOR ATTACHMENT OF CEILING MOUNTED EQUIPMENT; DO NOT SUPPORT ITEMS FROM METAL DECK.
- DIMENSIONS TAKEN FROM CENTER OF FIXTURES TO FINISH FACE OF WALL, TYPICAL.
- PROVIDE CONTROL JOINTS AT GB WALLS AND CEILINGS AT REGULAR INTERVALS PER MANUFACTURER'S RECOMMENDATIONS. LOCATE REQUIRED VERTICAL CONTROL JOINTS AT DOOR FRAMES WHEN POSSIBLE. COORDINATE LOCATIONS WITH ARCHITECT.
- ALIGN FINISH FACES WHERE DISSIMILAR STUD SIZES MEET UNO.
- REFER TO LIFE SAFETY PLAN FOR LOCATIONS OF EXIT SIGNS; COORDINATE WITH ELECTRICAL.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EXIT SIGNS AND EMERGENCY EGRESS LIGHTING.

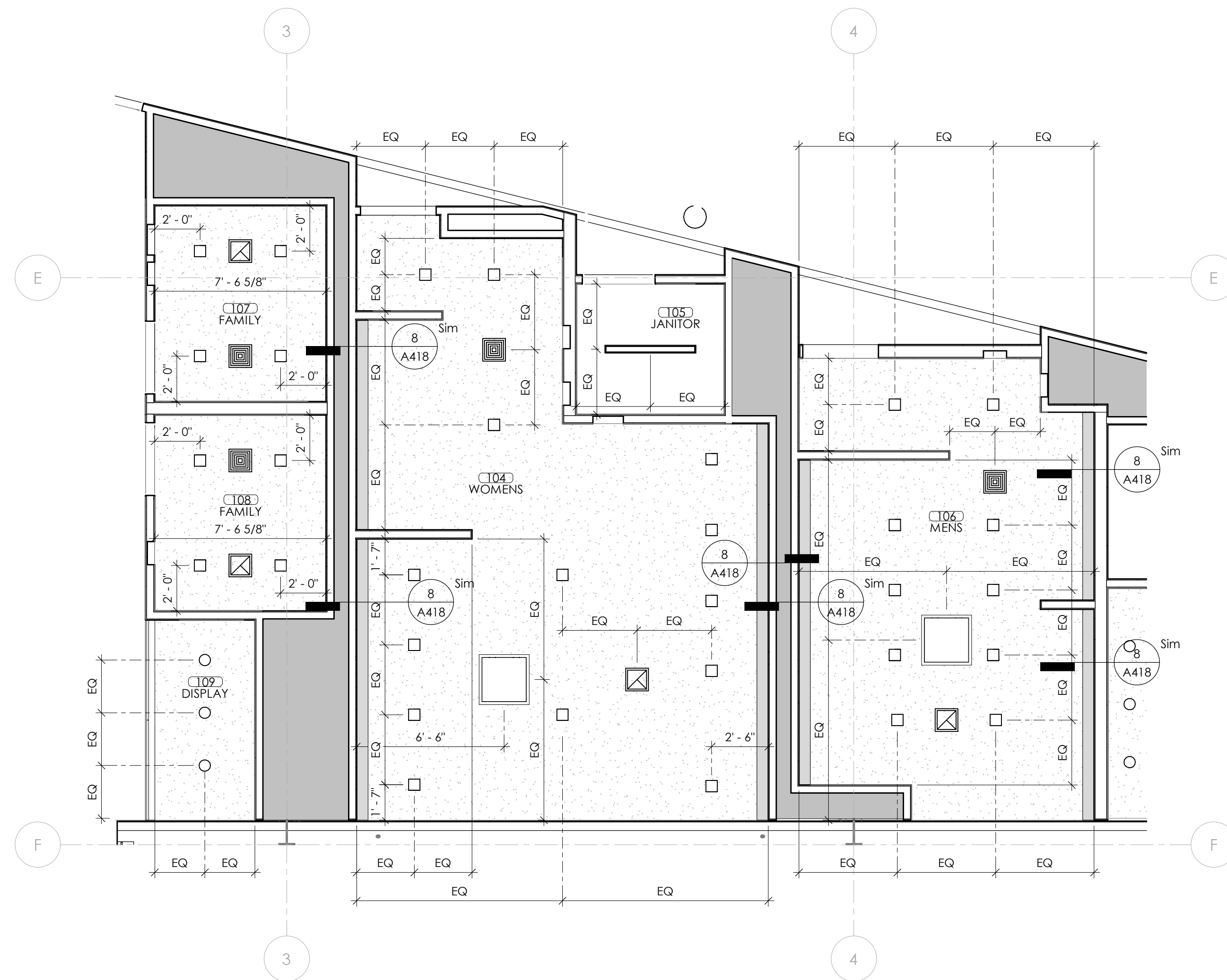
CEILING SYMBOLS



3 ENLARGED RCP - RESTROOM 152
1/4" = 1'-0"



2 ENLARGED RCP - RESTROOMS 125, 126
1/4" = 1'-0"



1 ENLARGED RCP - RESTROOMS 104, 106, 107, 108
1/4" = 1'-0"



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

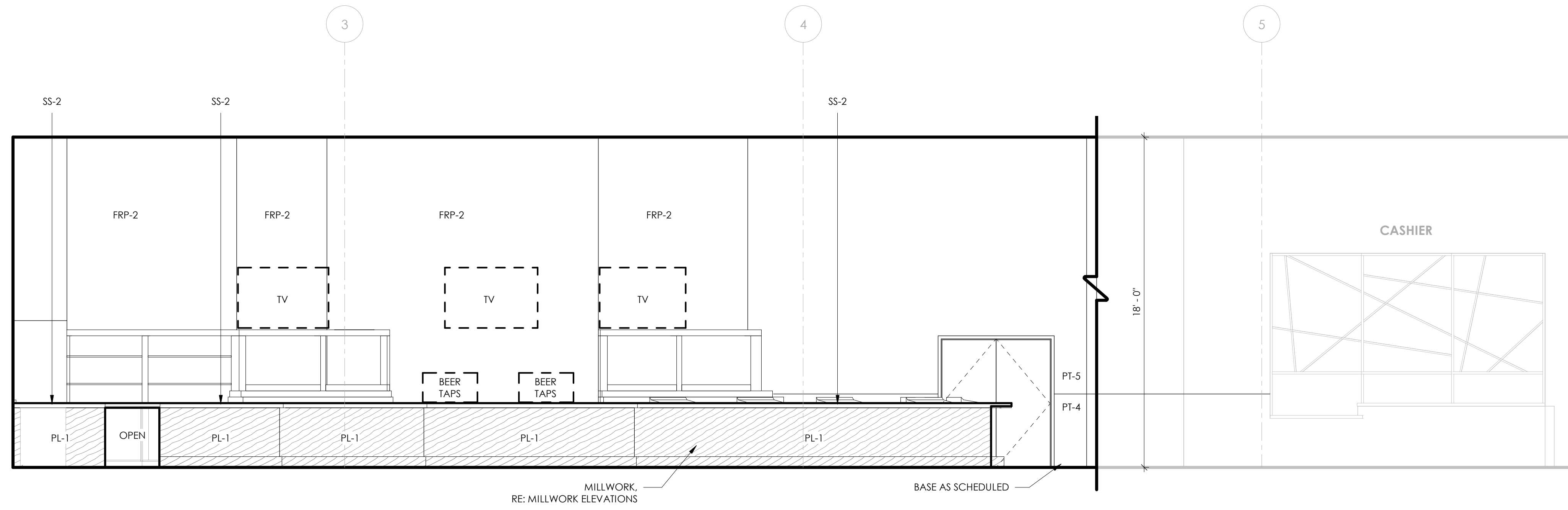
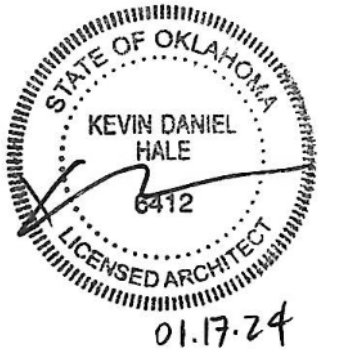
HIGHWAY 183
HOBART, OKLAHOMA 73651

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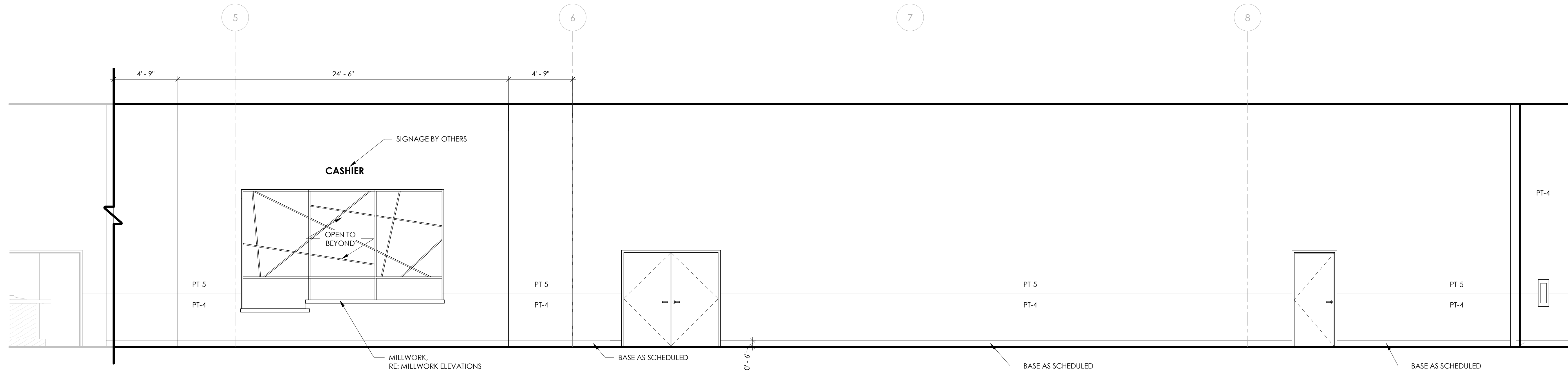
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2109-031
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ND
SHEET TITLE:

ENLARGED REFLECTED CEILING PLANS - RESTROOMS

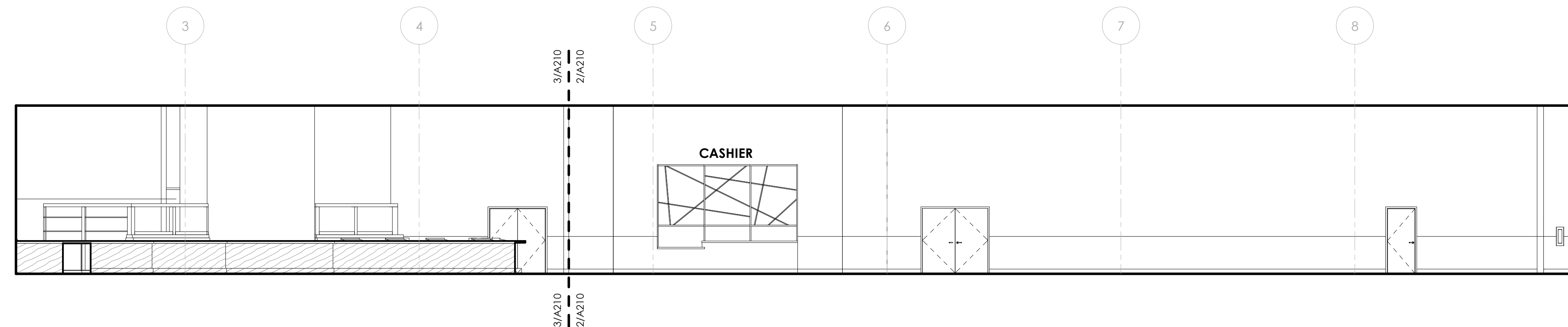
A403



3 171 OPEN GAMING - WEST B
1/4" = 1'-0"



2 171 OPEN GAMING - WEST A
1/4" = 1'-0"



1 171 OPEN GAMING - WEST OVERALL (REFERENCE ONLY)
1/8" = 1'-0"



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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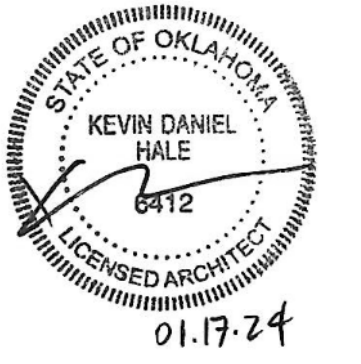
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SHEET TITLE:

INTERIOR ELEVATIONS -
GAMING

A410

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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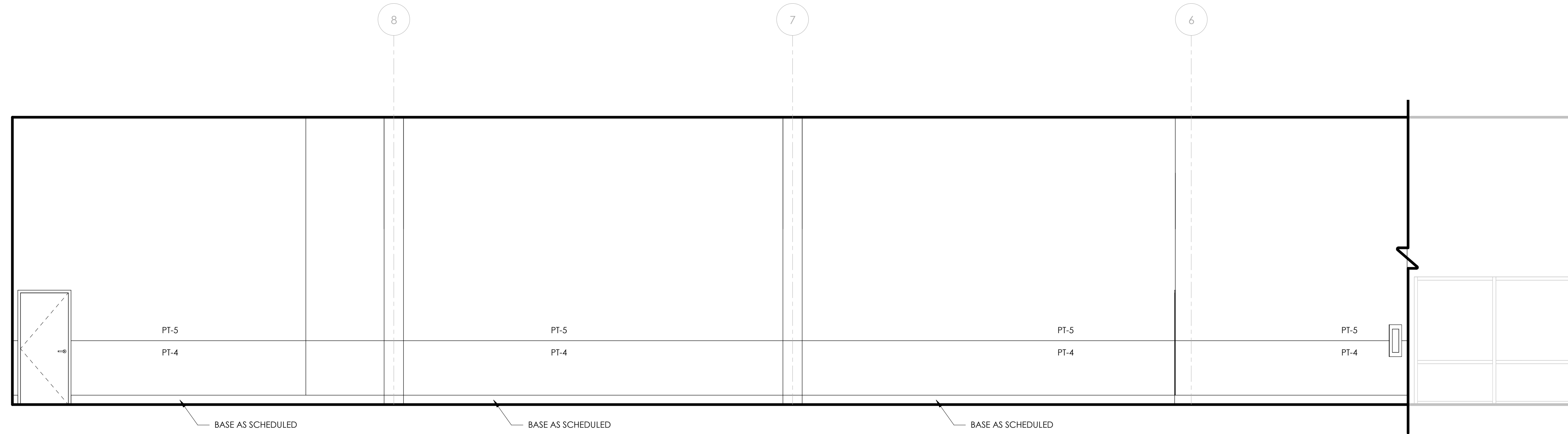
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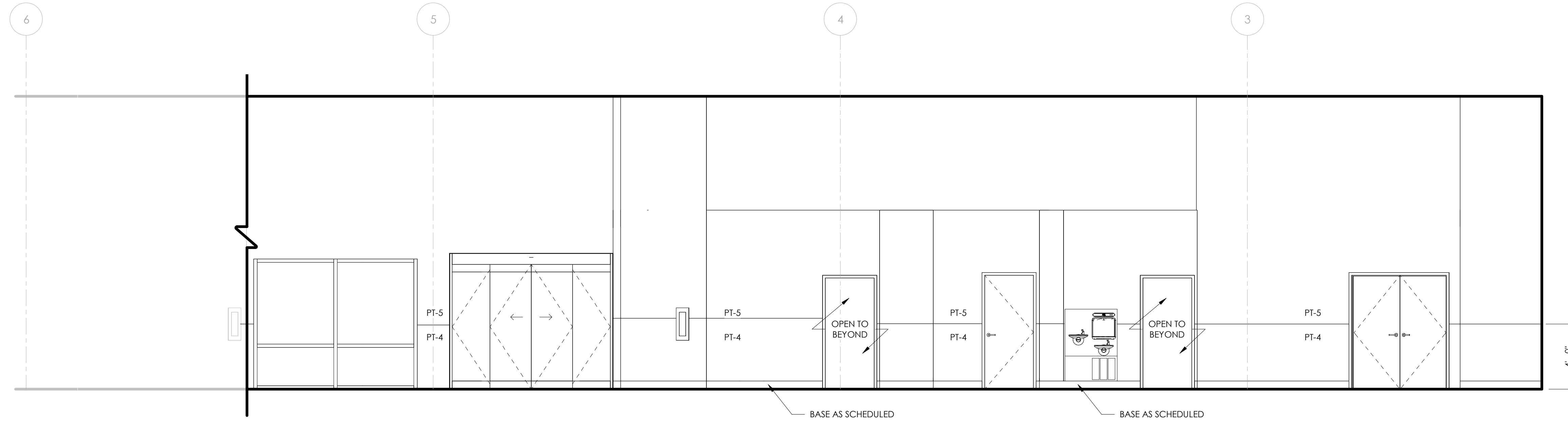
SHEET TITLE:

INTERIOR ELEVATIONS -
GAMING

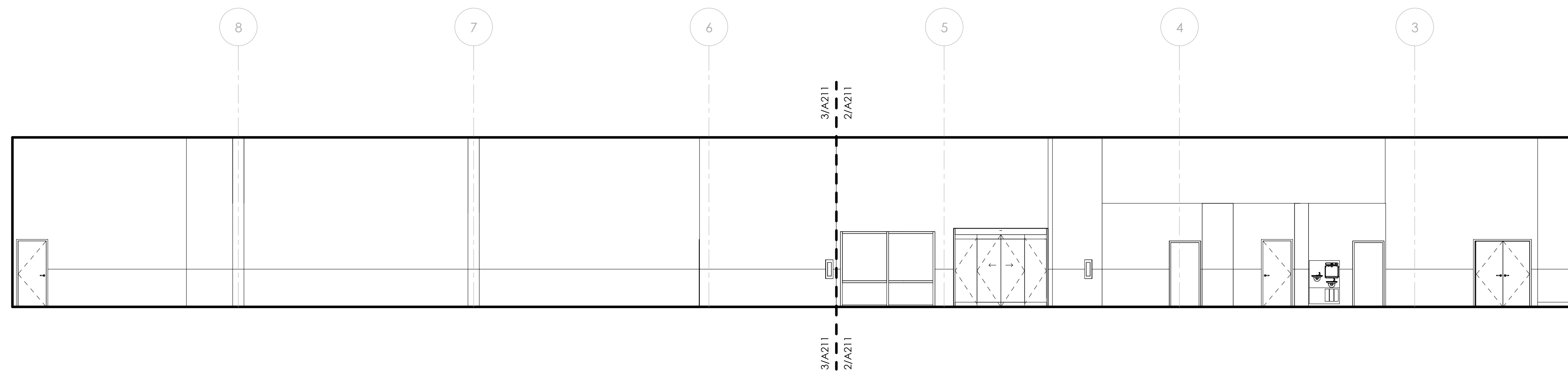
A411



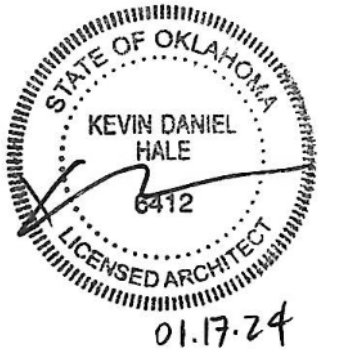
3 171 OPEN GAMING - EAST B
1/4" = 1'-0"



2 171 OPEN GAMING - EAST A
1/4" = 1'-0"



1 171 OPEN GAMING - EAST OVERALL (FOR REFERENCE)
1/8" = 1'-0"



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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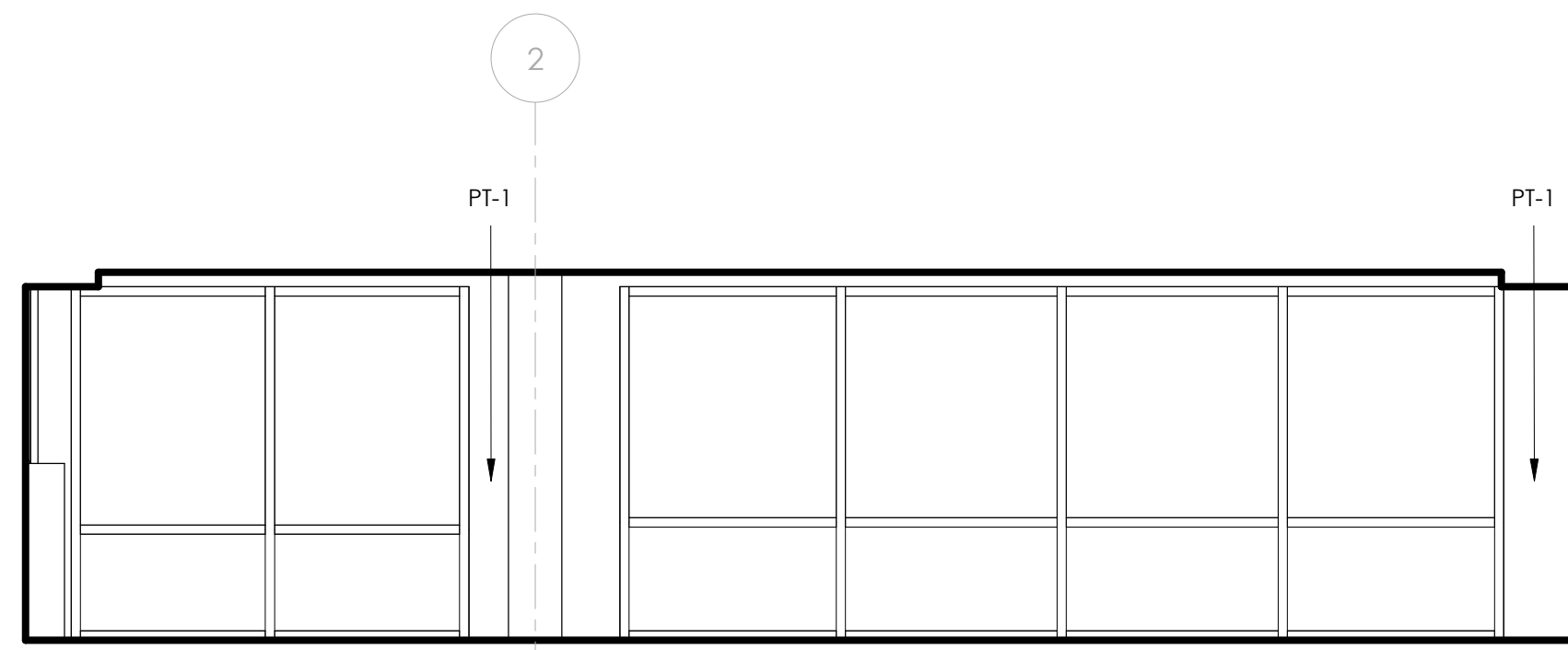
CHECKED BY:

ND

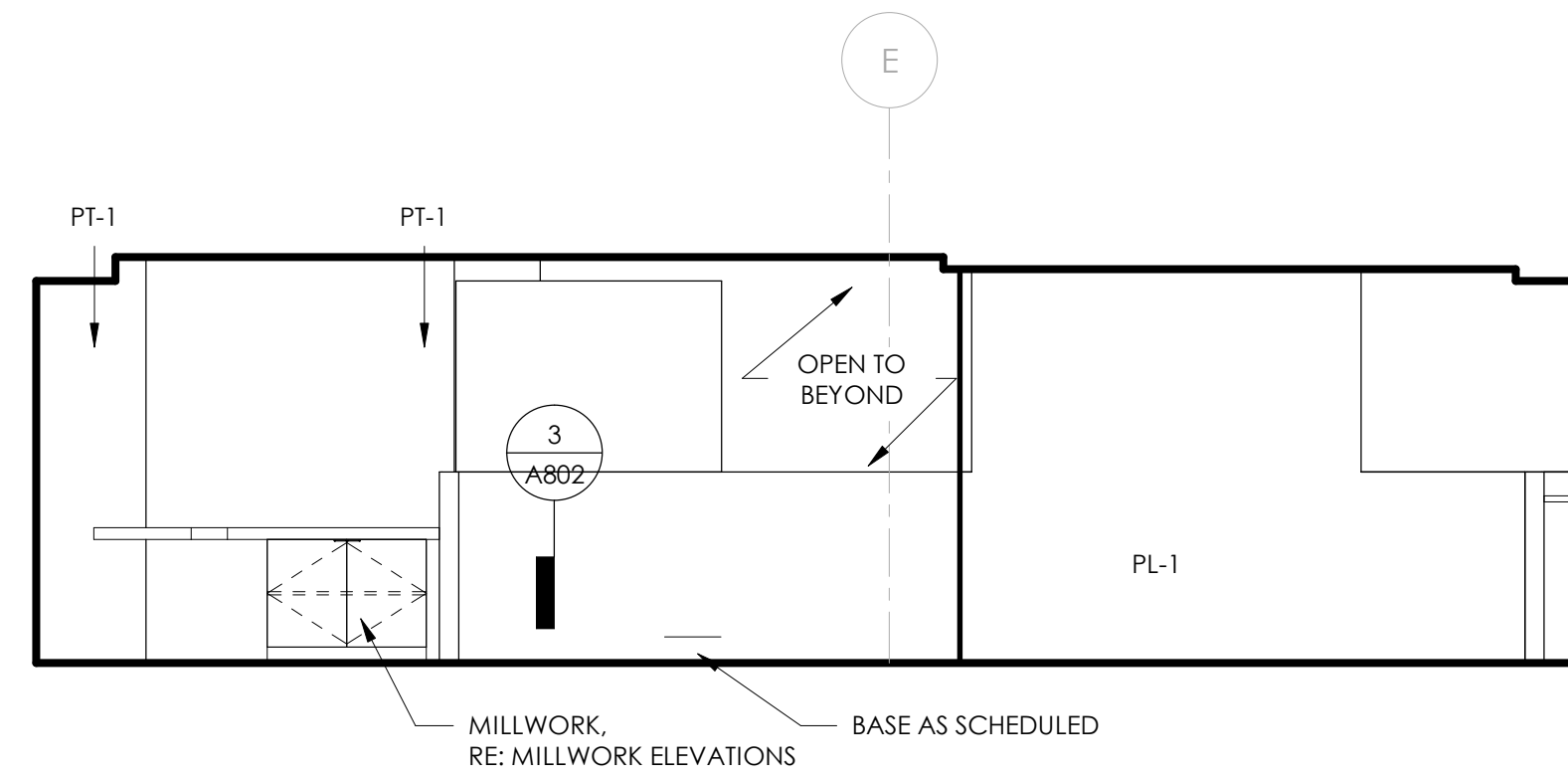
SHEET TITLE:

INTERIOR ELEVATIONS -
GAMING

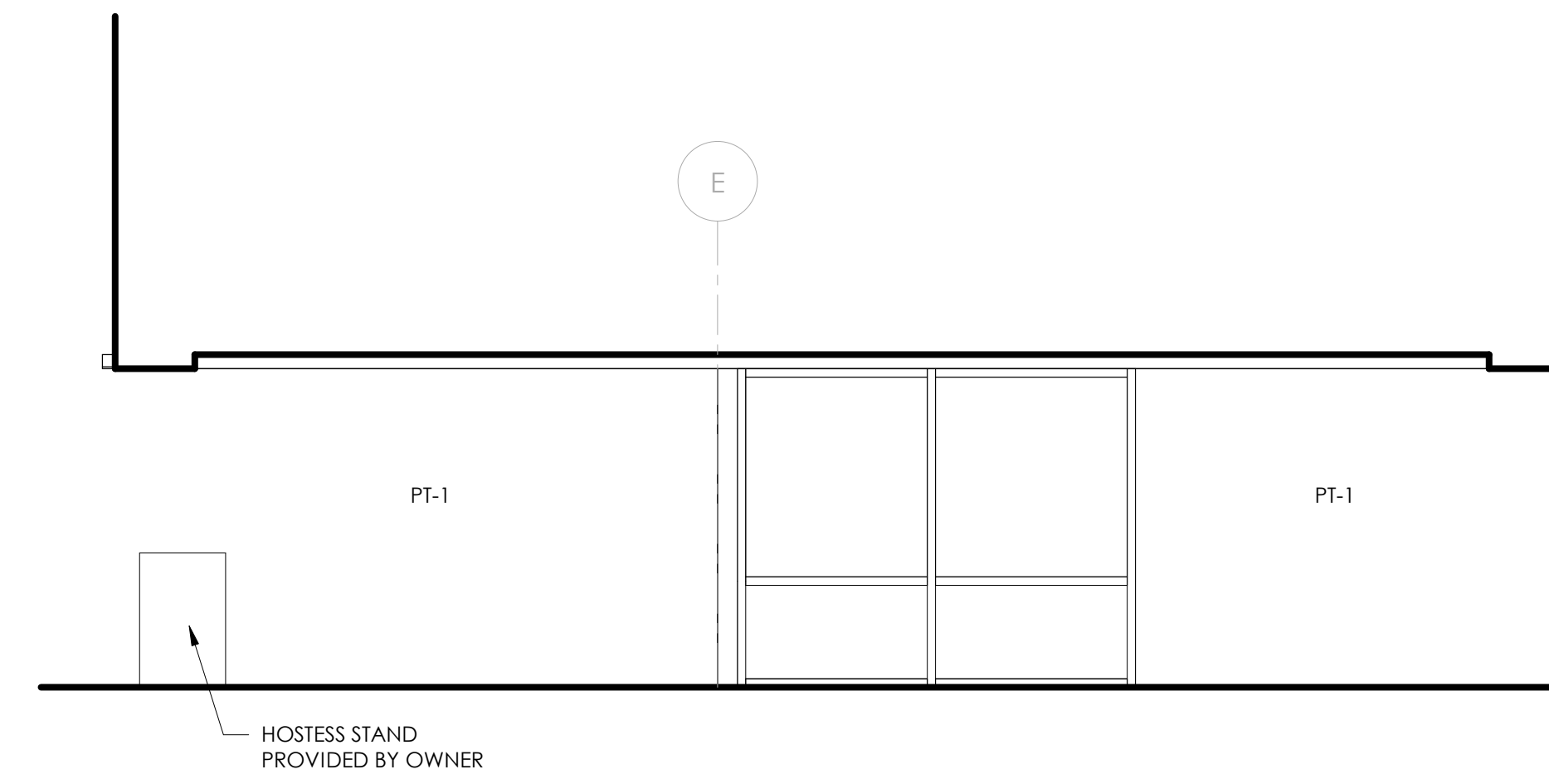
A412



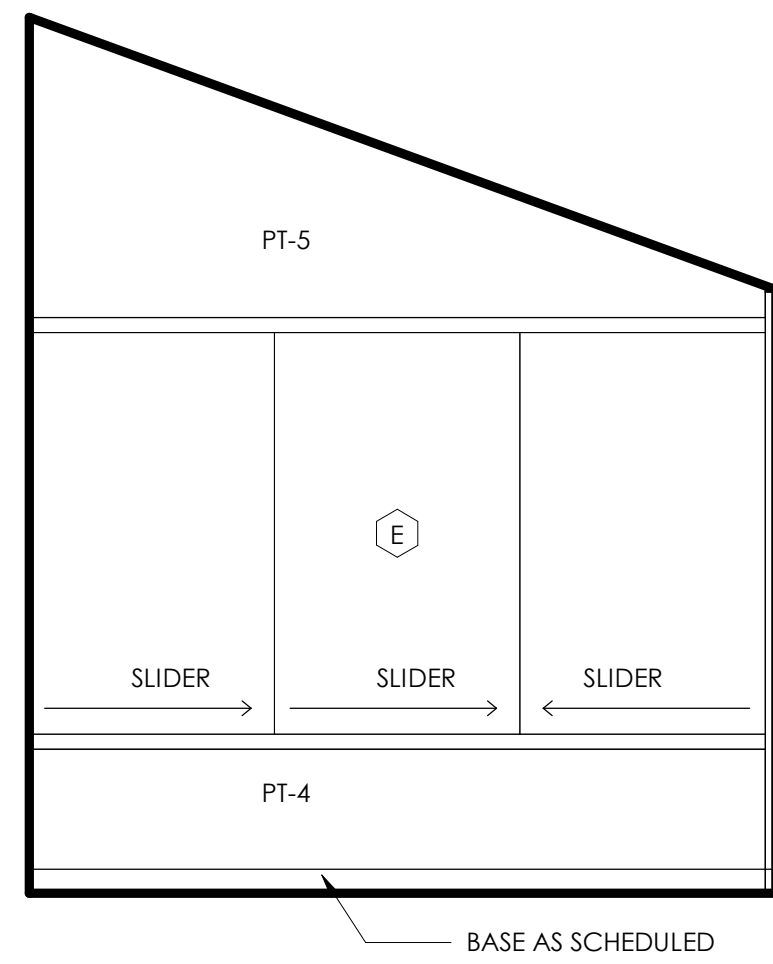
7 112 CAFE EAST
1/4" = 1'-0"



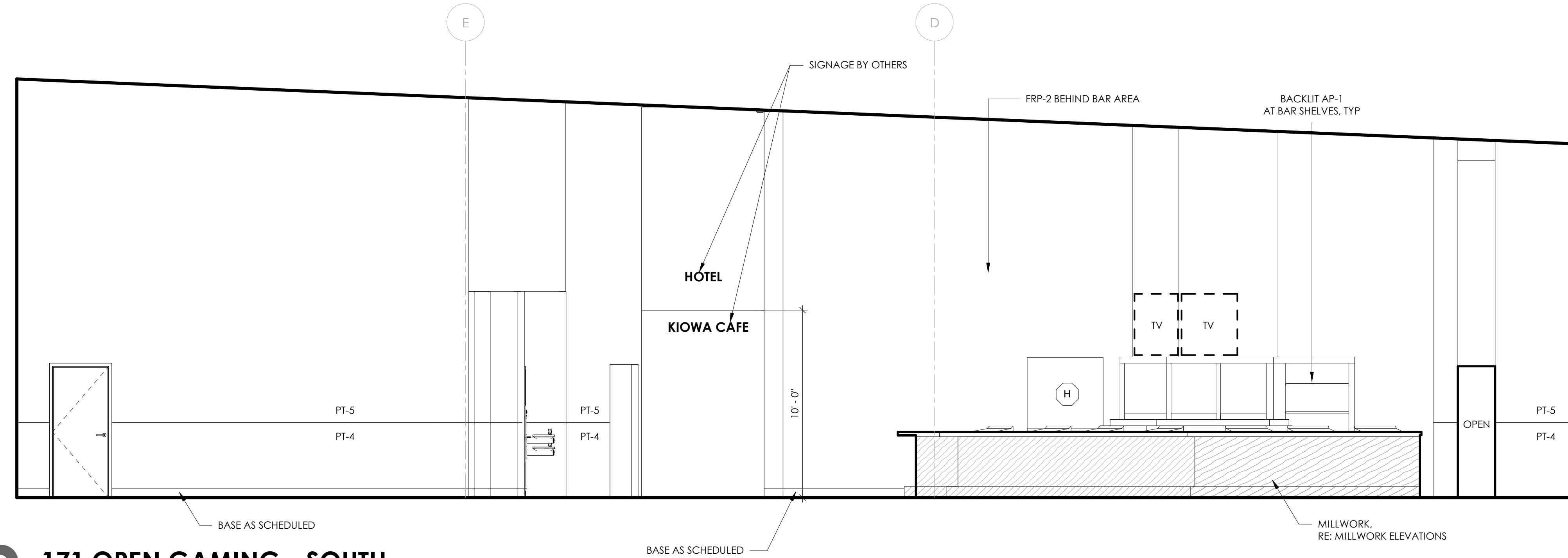
6 112 CAFE NORTH
1/4" = 1'-0"



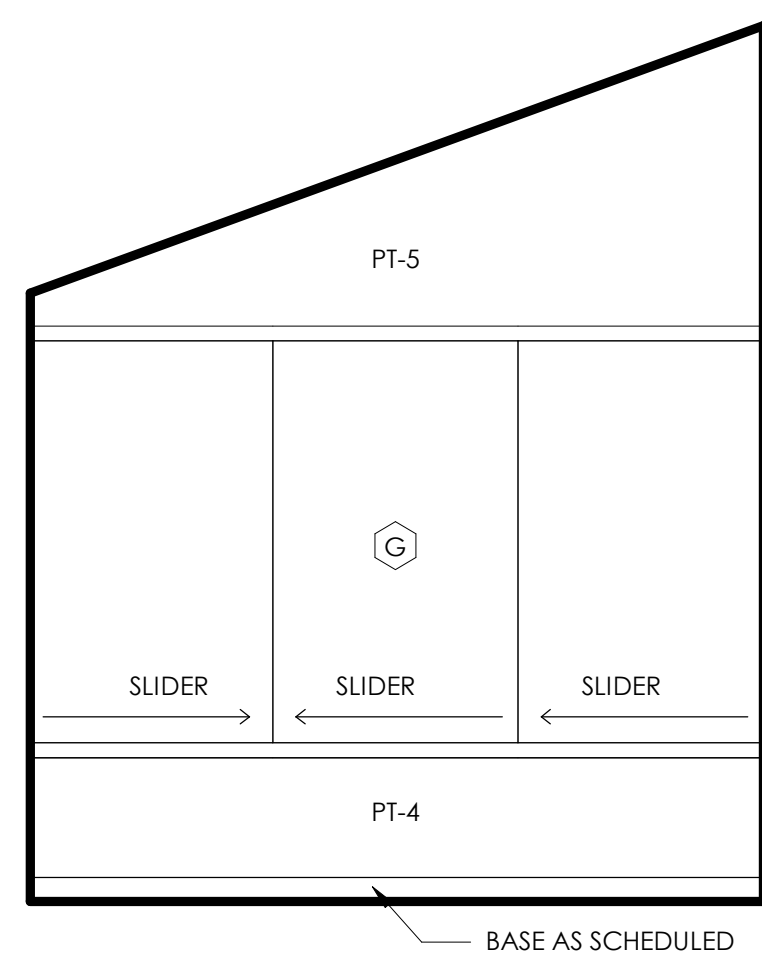
5 112 CAFE SOUTH
1/4" = 1'-0"



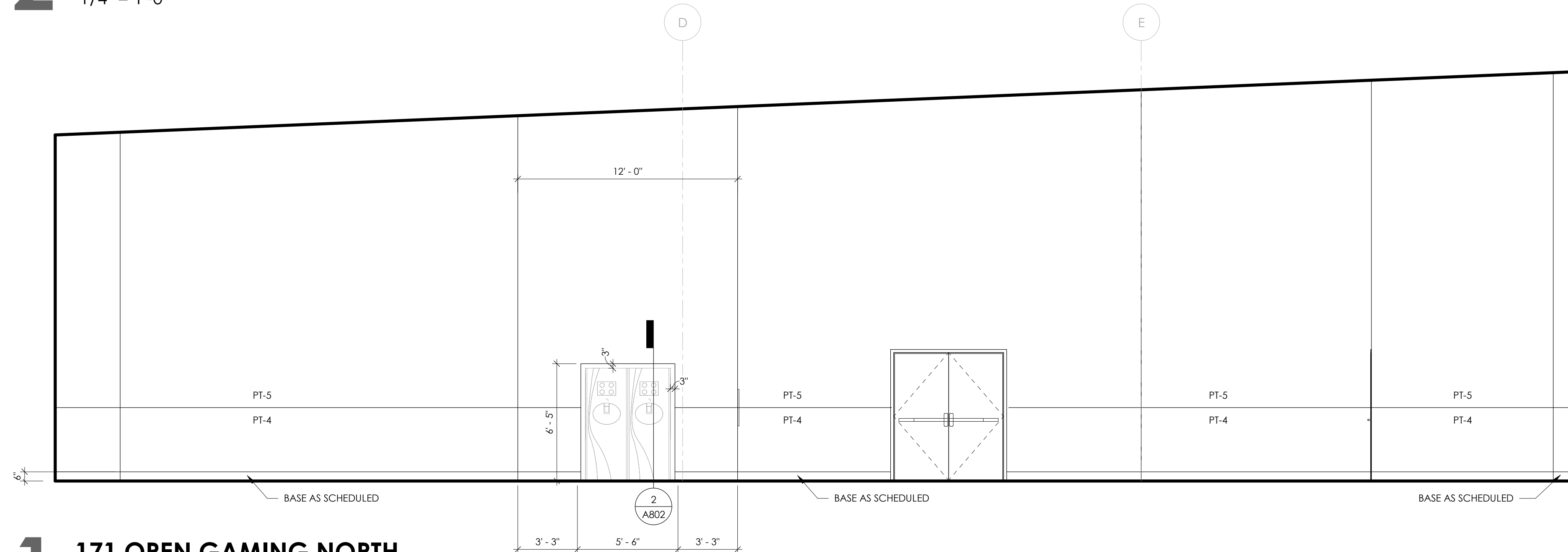
4 101 VESTIBULE SOUTH
3/8" = 1'-0"



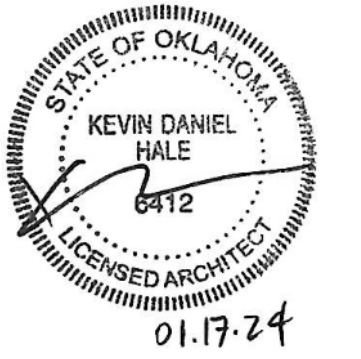
2 171 OPEN GAMING - SOUTH
1/4" = 1'-0"



3 101 VESTIBULE NORTH
3/8" = 1'-0"



1 171 OPEN GAMING NORTH
1/4" = 1'-0"



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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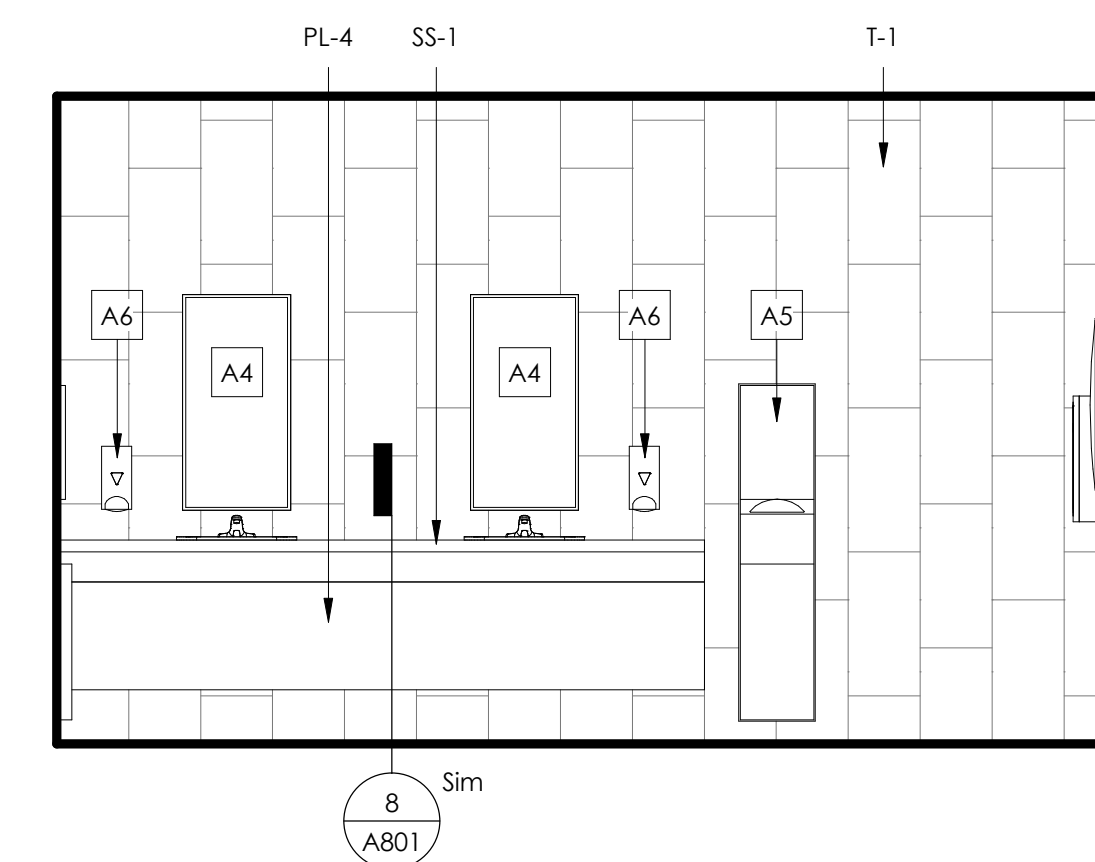
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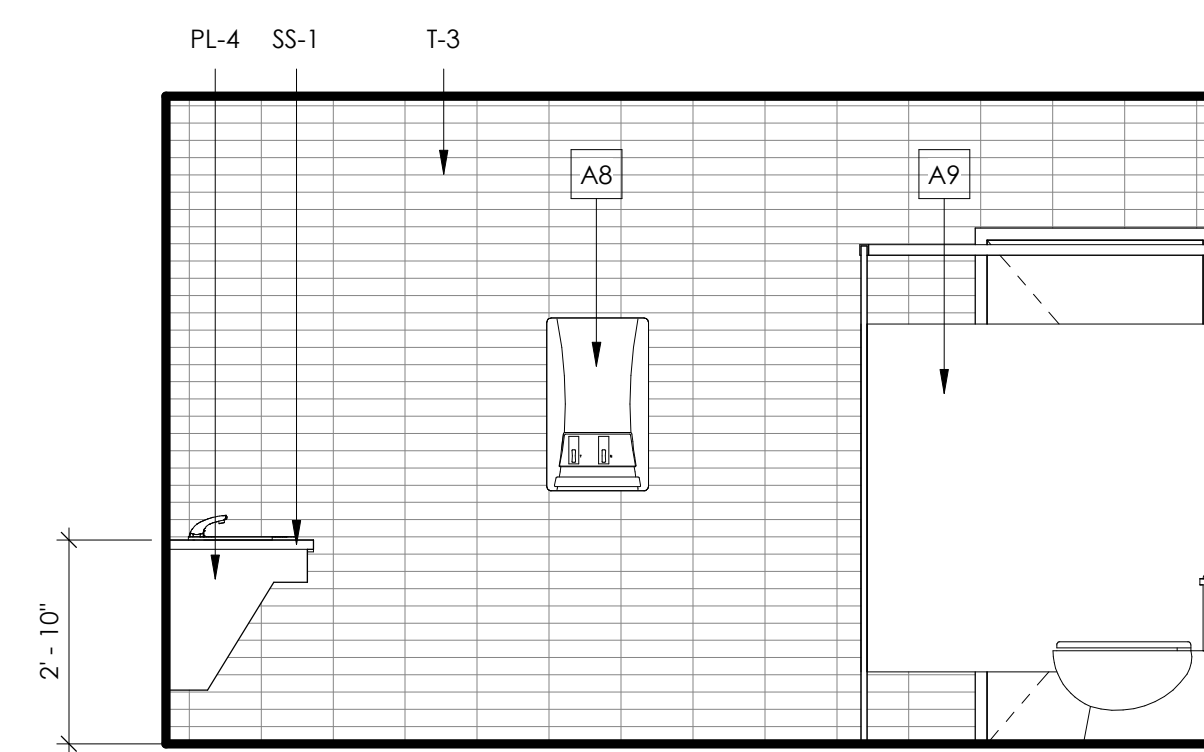
SHEET TITLE:

INTERIOR ELEVATIONS -
RESTROOMS

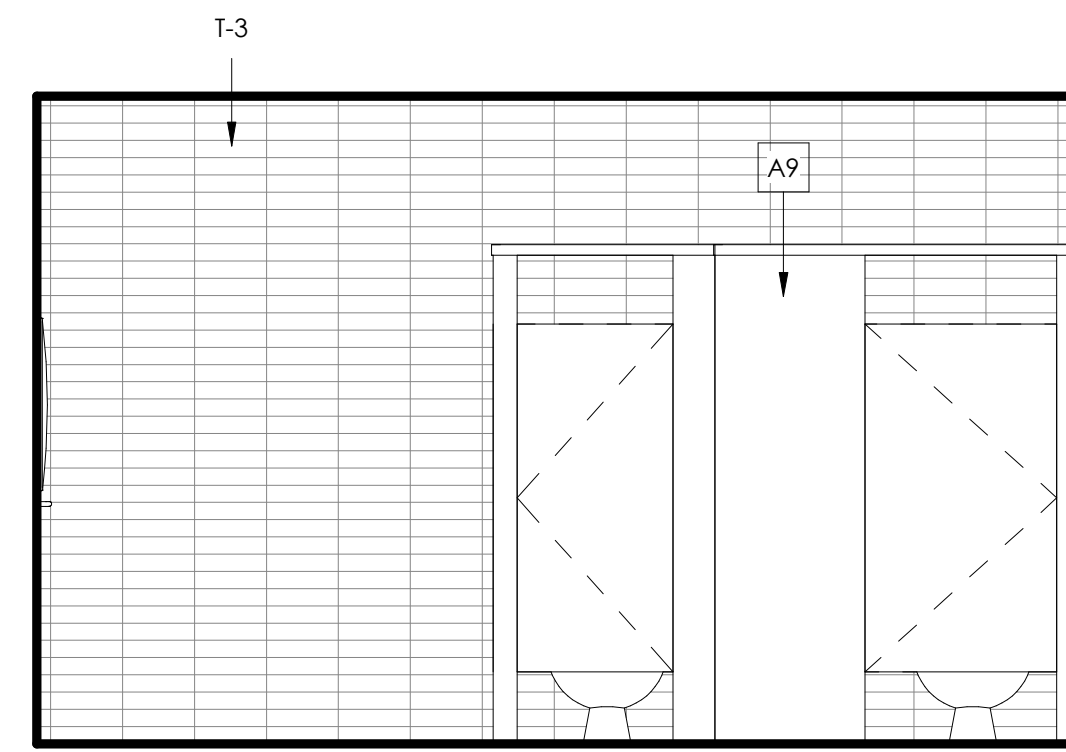
A413



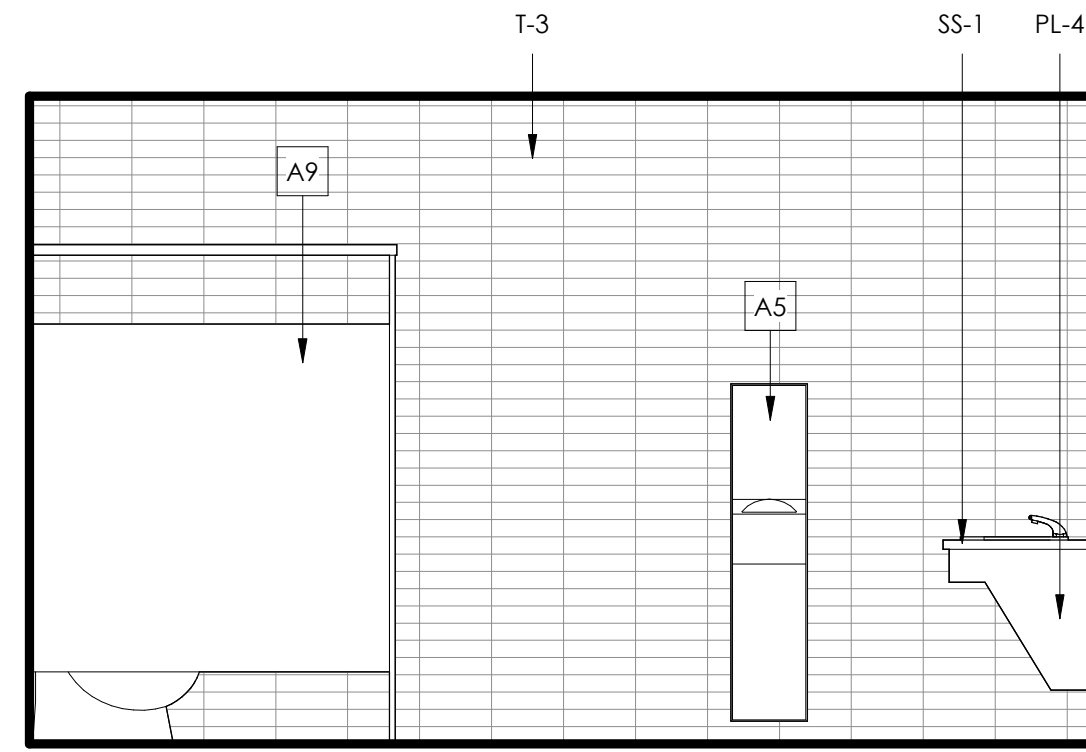
10 126 WOMENS NORTH
3/8" = 1'-0"



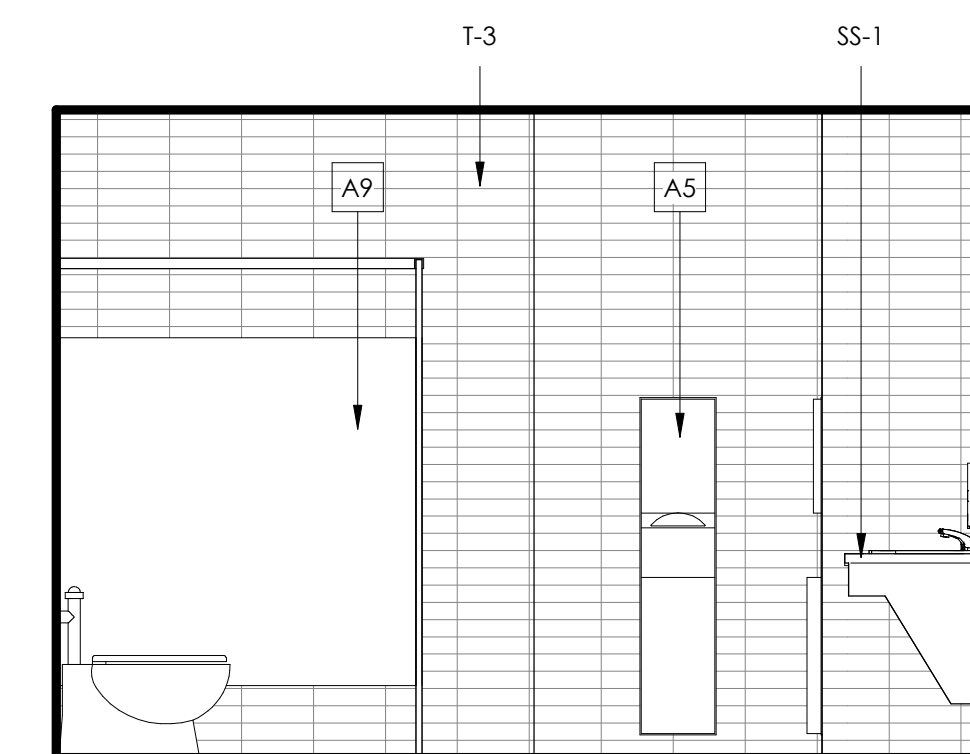
11 126 WOMENS EAST
3/8" = 1'-0"



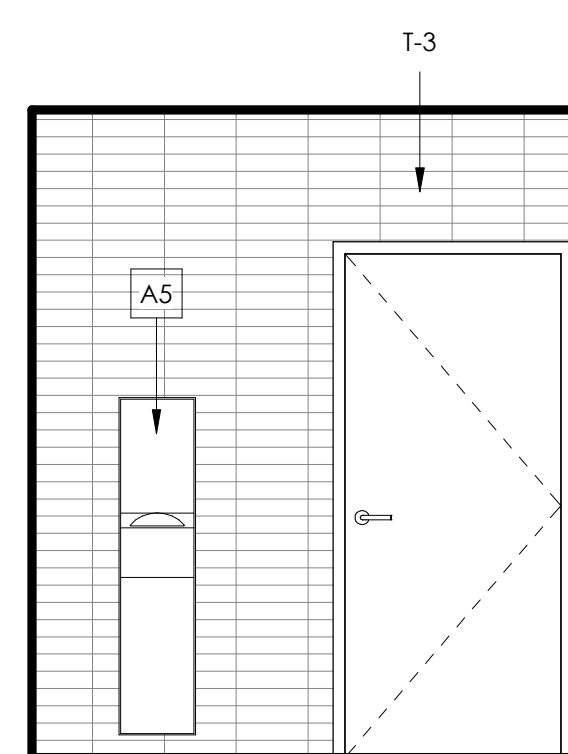
12 126 WOMENS SOUTH
3/8" = 1'-0"



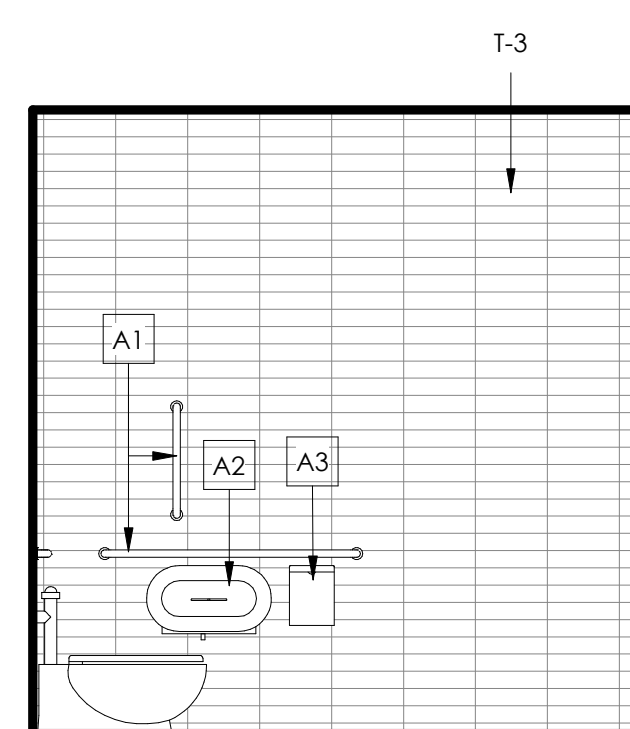
13 126 WOMENS WEST
3/8" = 1'-0"



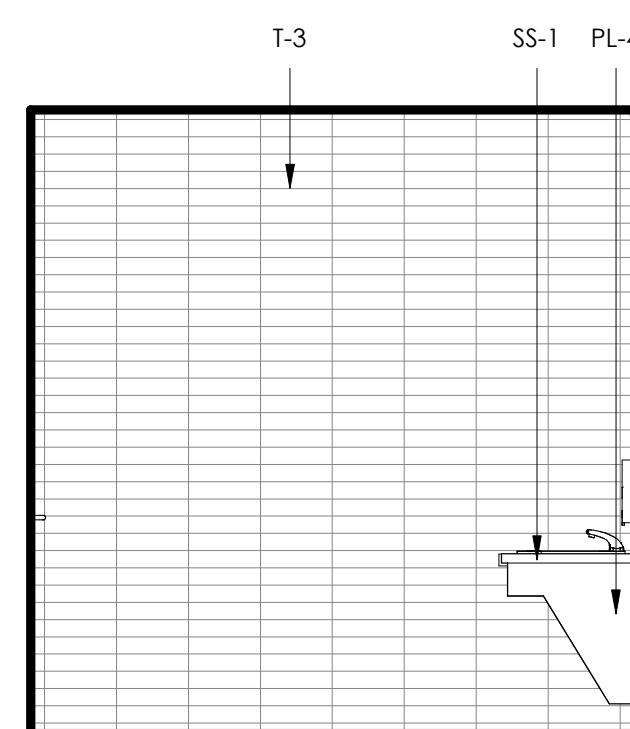
5 106 MENS WEST WALL
3/8" = 1'-0"



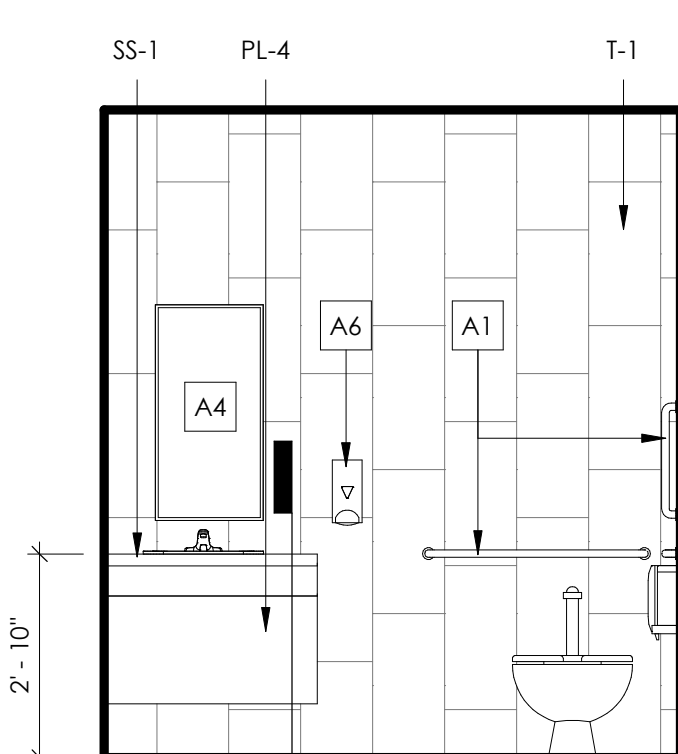
6 152 R.R. EAST
3/8" = 1'-0"



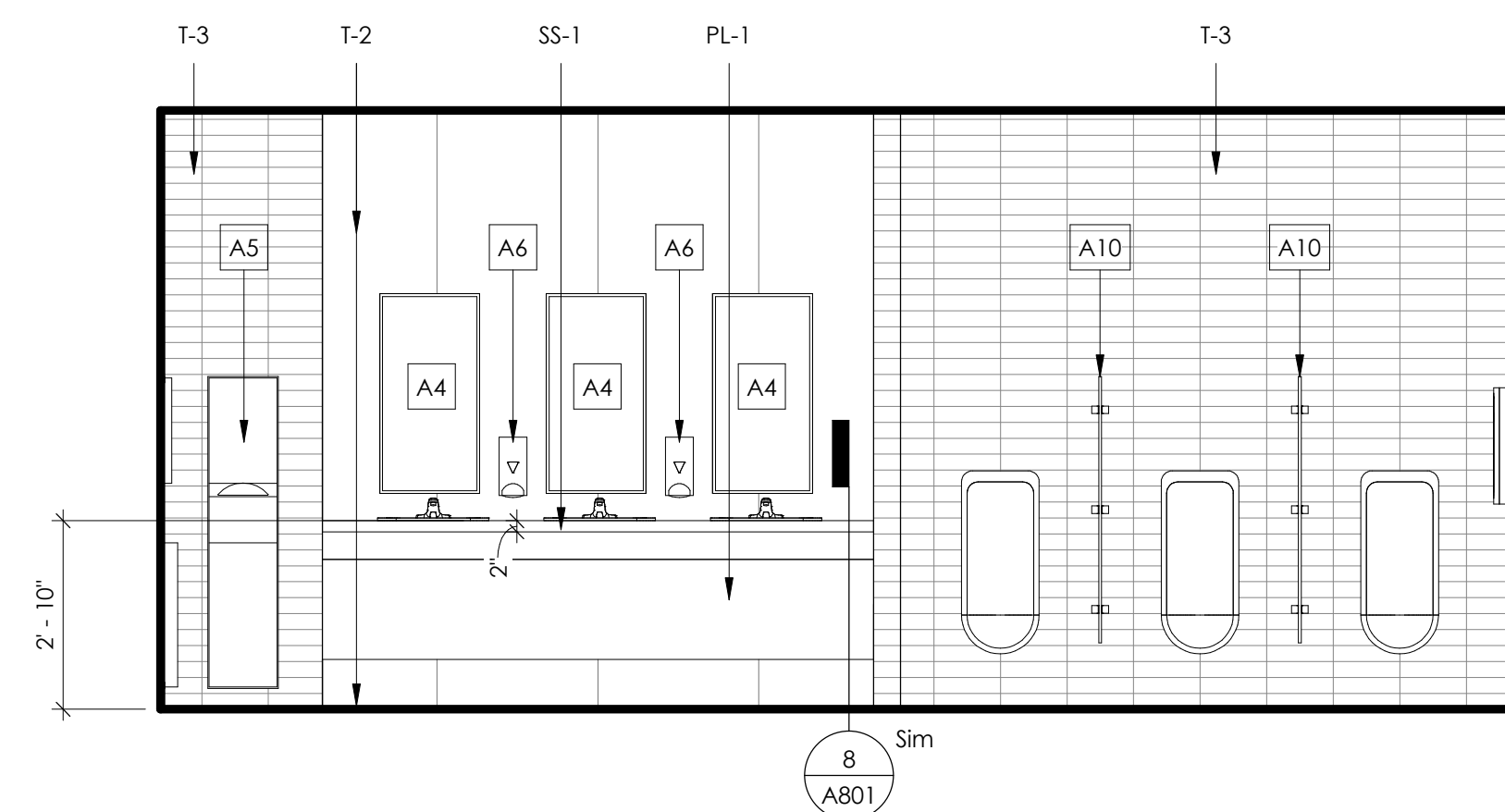
7 152 R.R. NORTH
3/8" = 1'-0"



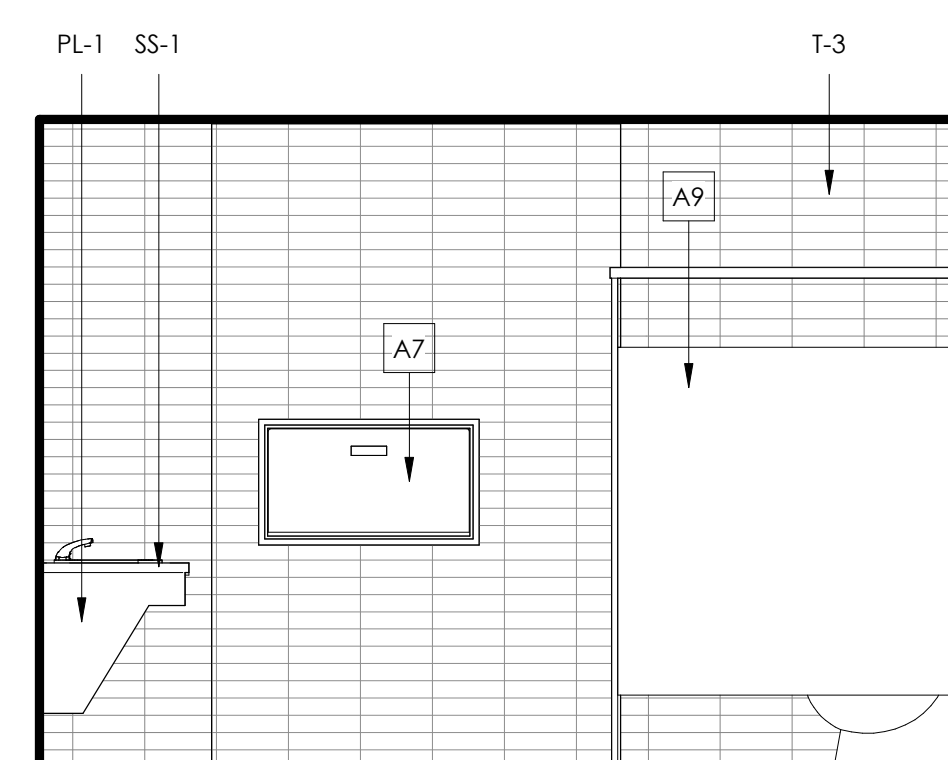
8 152 R.R. SOUTH
3/8" = 1'-0"



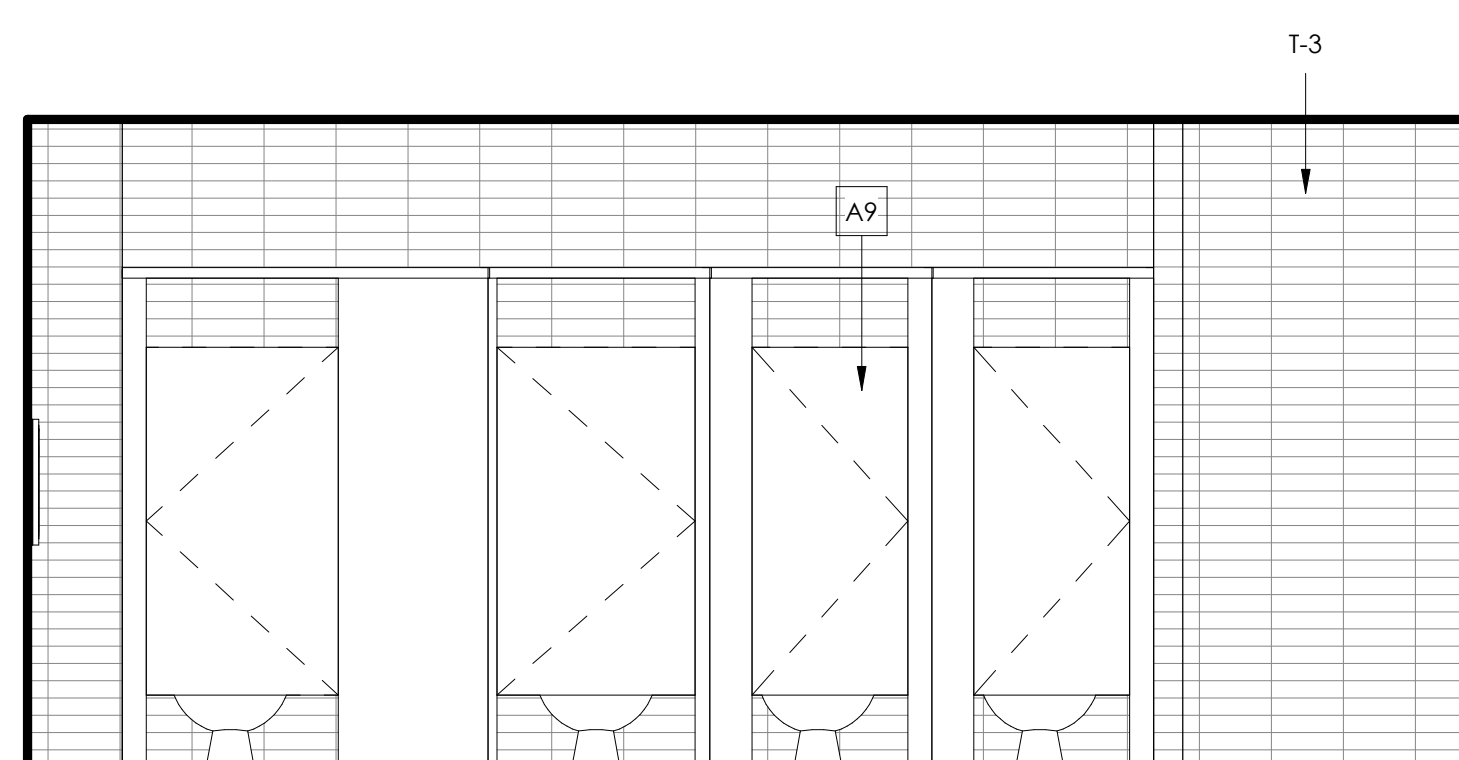
9 152 R.R. WEST
3/8" = 1'-0"



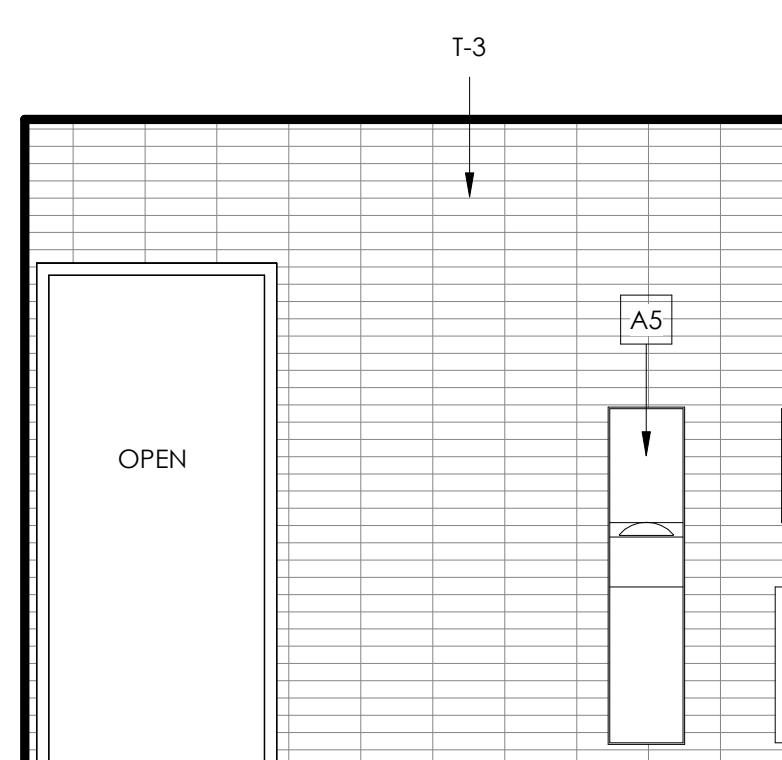
1 106 MENS NORTH
3/8" = 1'-0"



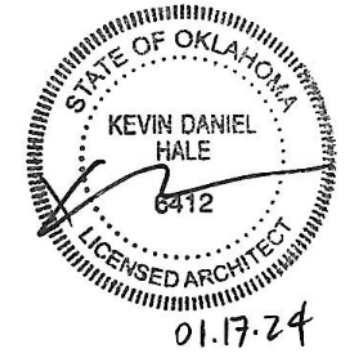
2 106 MENS EAST
3/8" = 1'-0"



3 106 MENS SOUTH
3/8" = 1'-0"



4 106 MENS WEST
3/8" = 1'-0"



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET

DATE:
01.17.2024

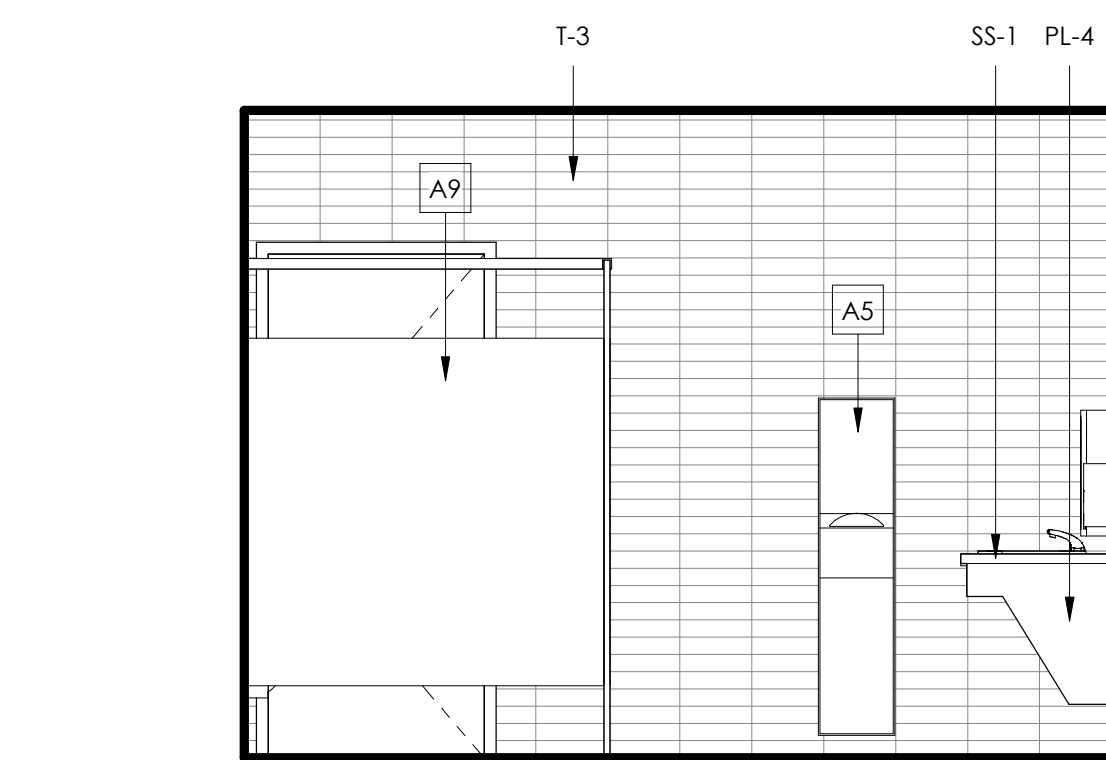
DRAWN BY:
MV

CHECKED BY:
ND

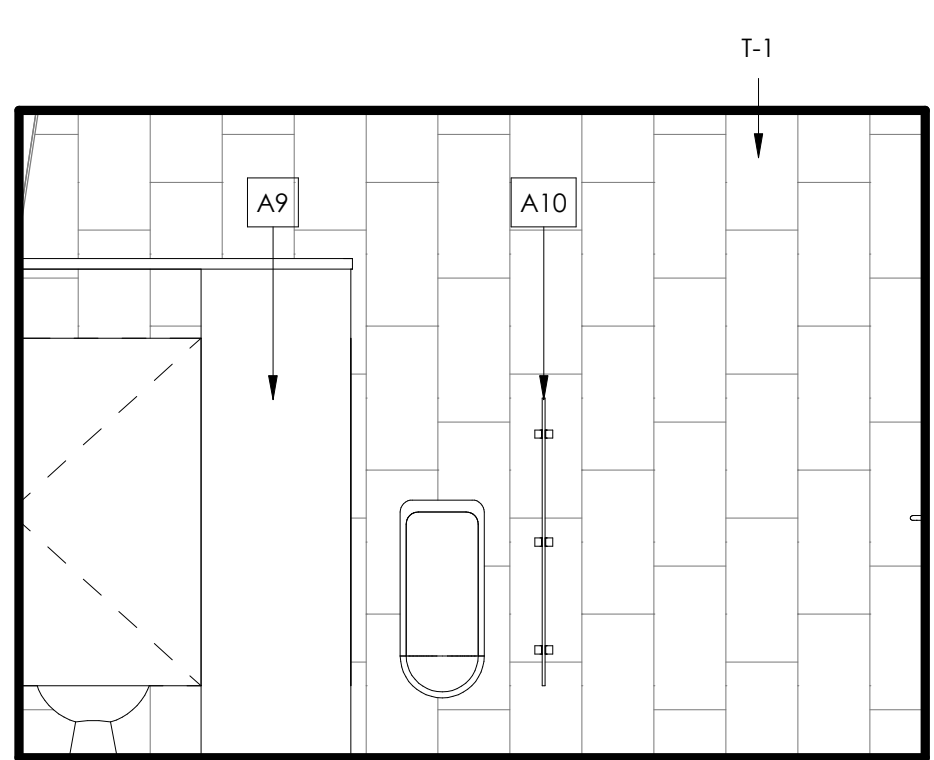
SHEET TITLE:

INTERIOR ELEVATIONS -
RESTROOMS

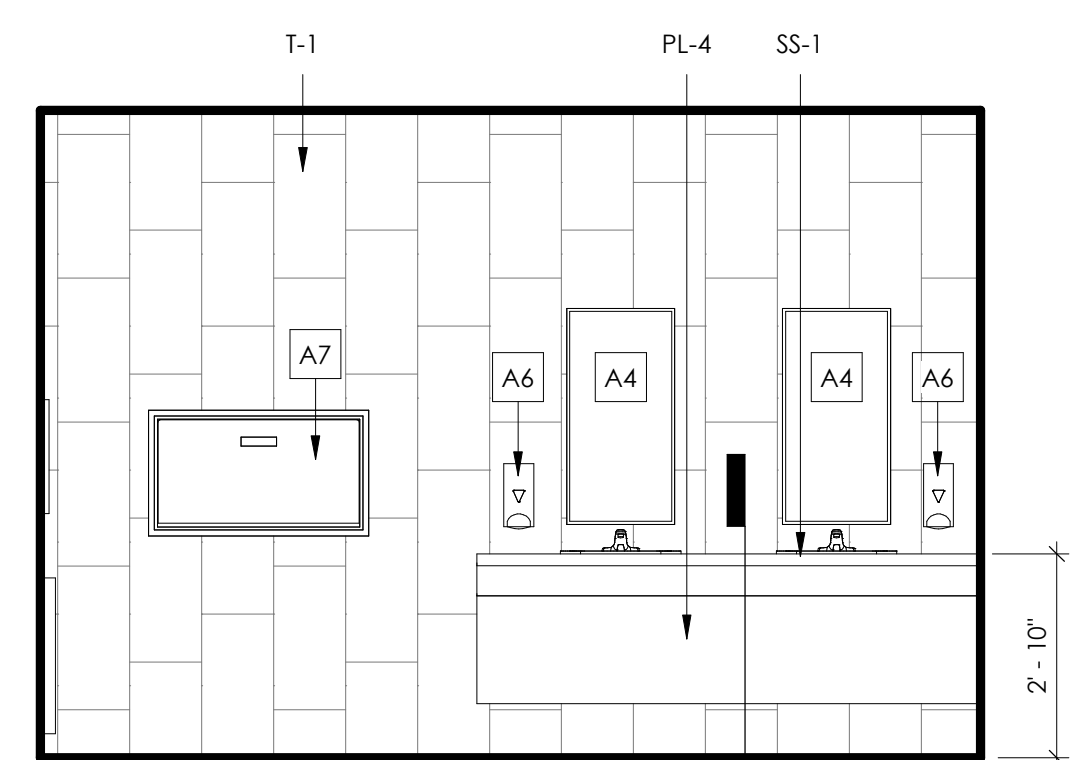
A414



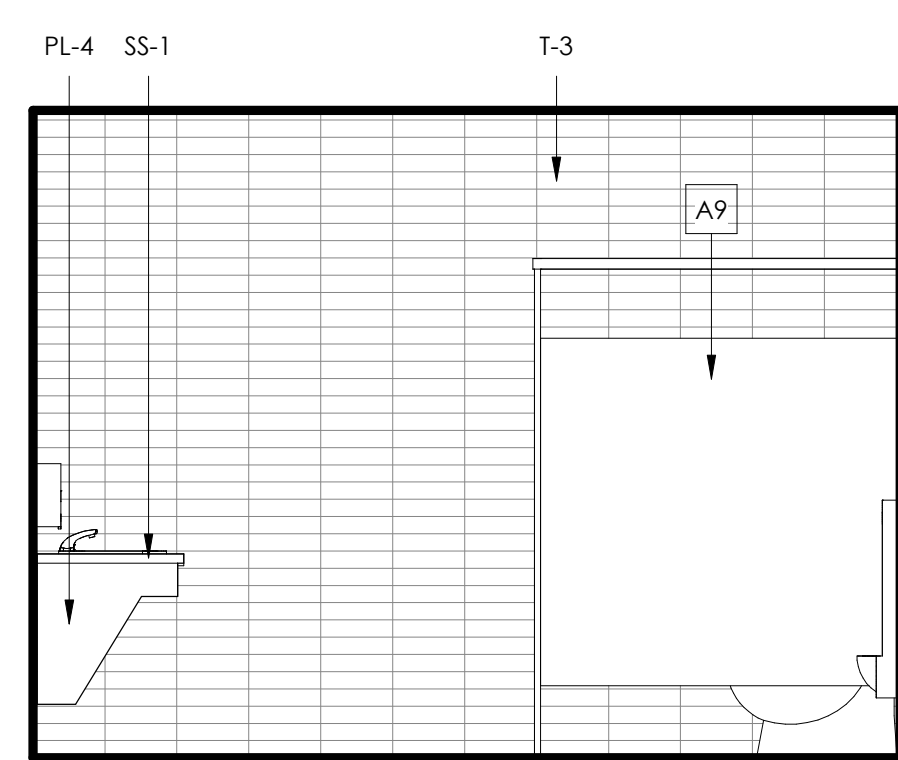
14 125 MENS EAST
3/8" = 1'-0"



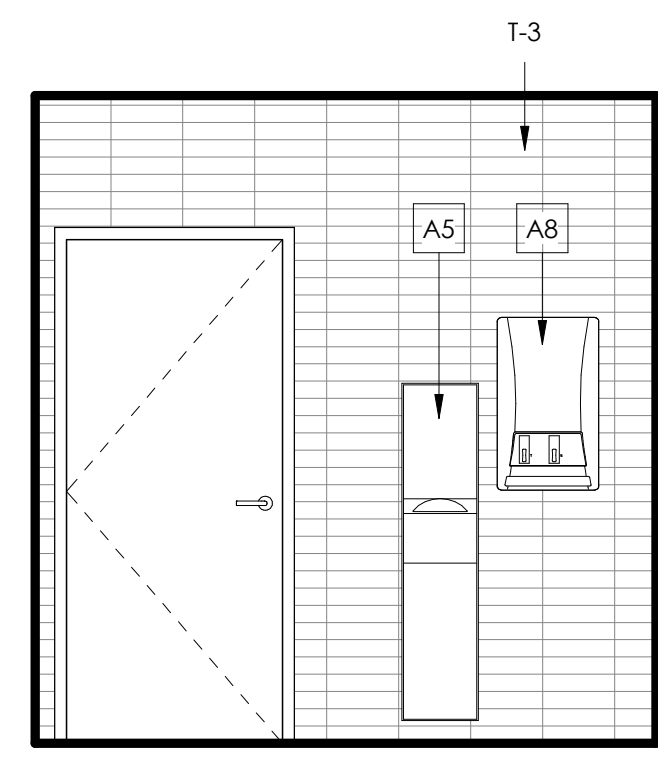
15 125 MENS NORTH
3/8" = 1'-0"



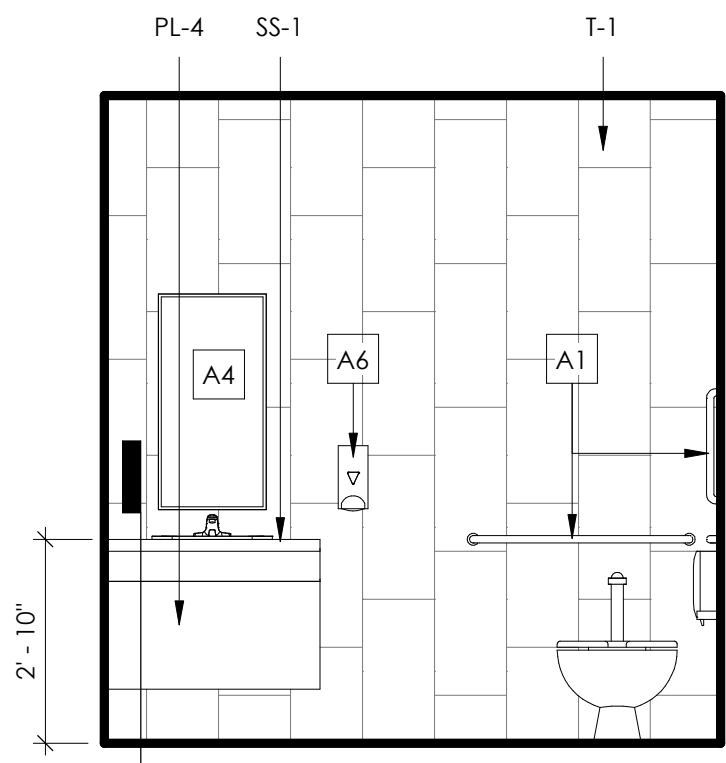
16 125 MENS SOUTH
3/8" = 1'-0"



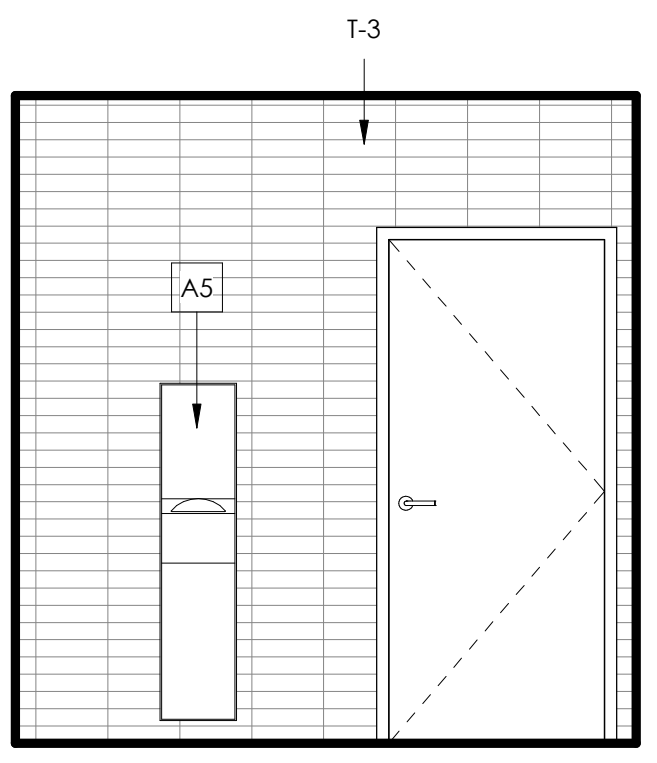
17 125 MENS WEST
3/8" = 1'-0"



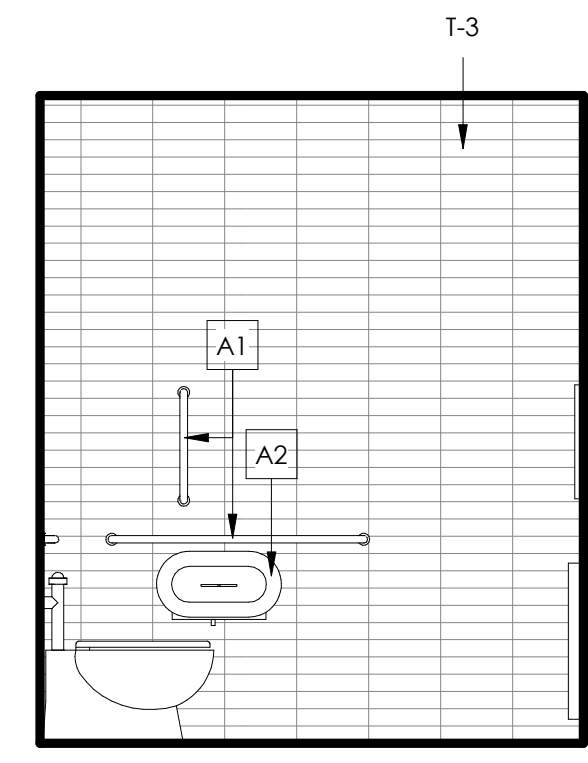
9 107 WOMENS SOUTH
3/8" = 1'-0"



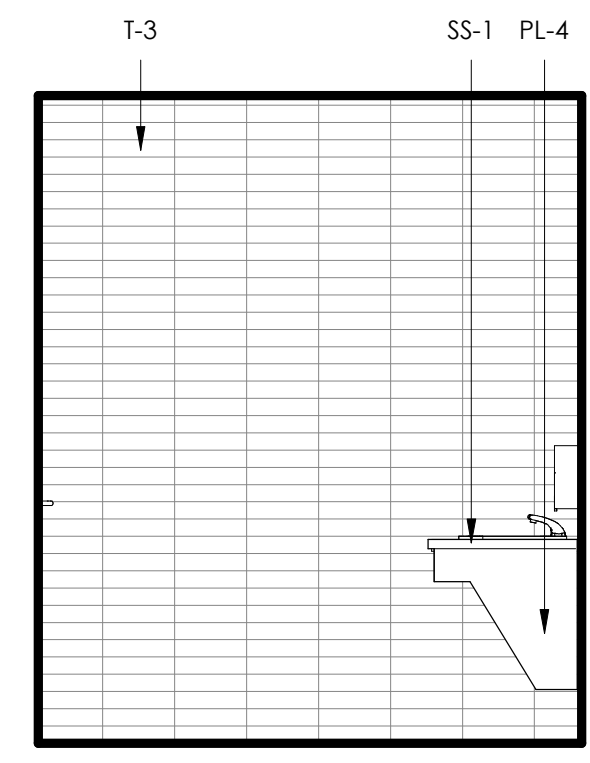
10 108 MENS NORTH
3/8" = 1'-0"



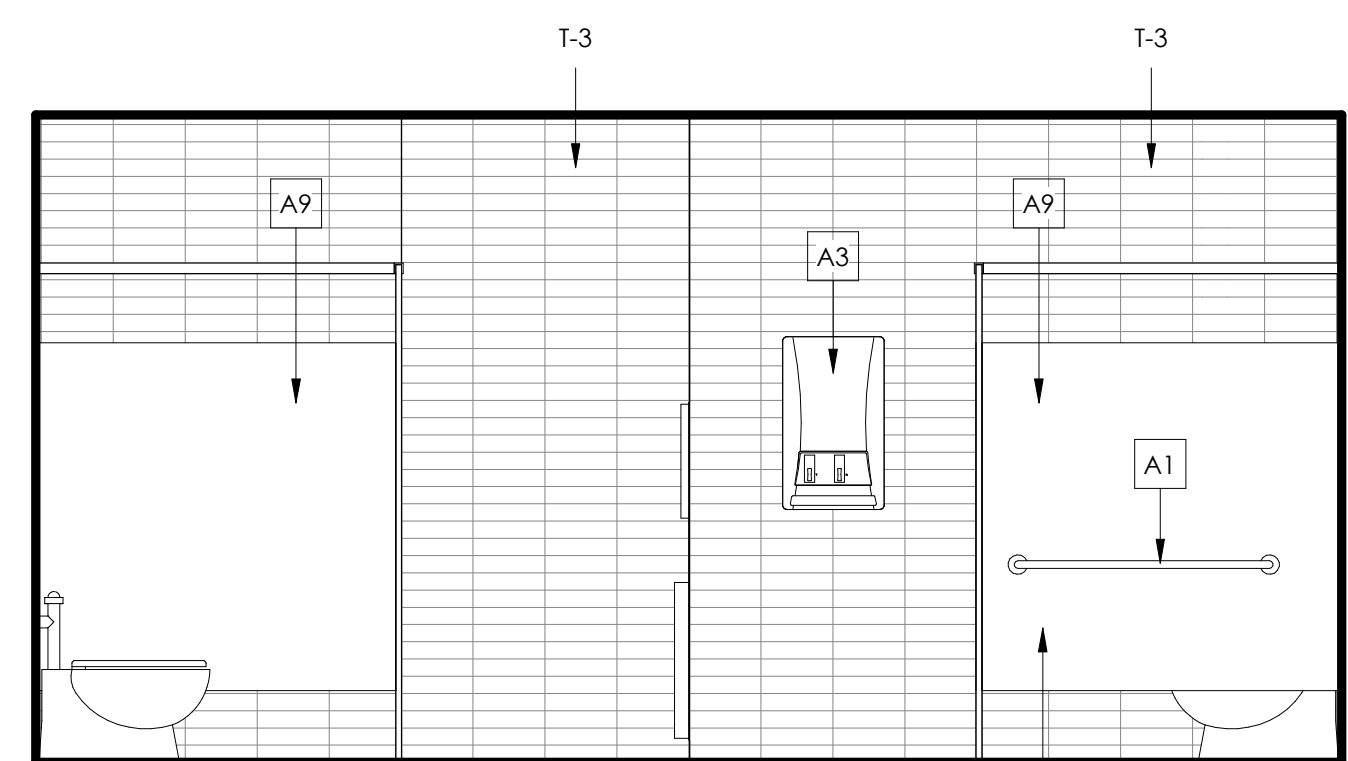
11 108 MENS SOUTH
3/8" = 1'-0"



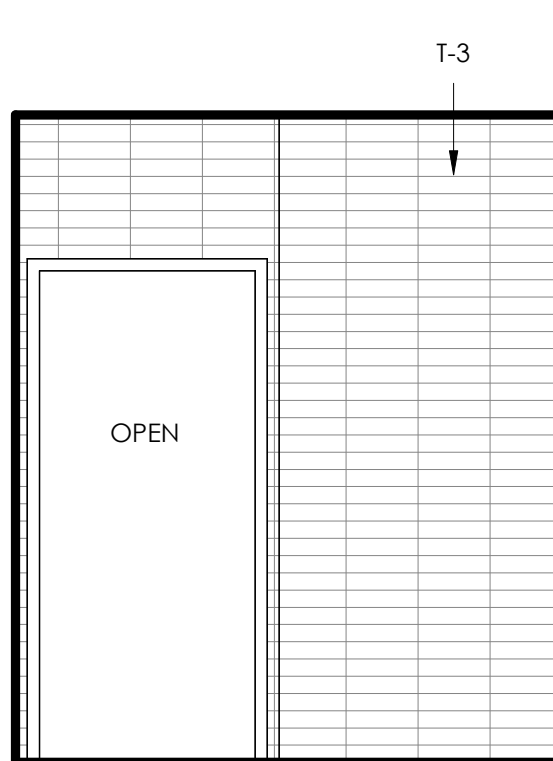
12 108 MENS EAST
3/8" = 1'-0"



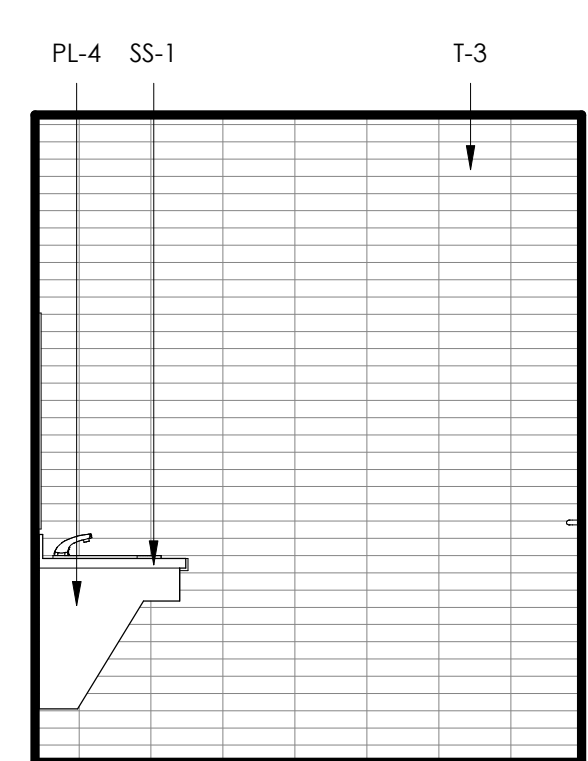
13 108 MENS WEST
3/8" = 1'-0"



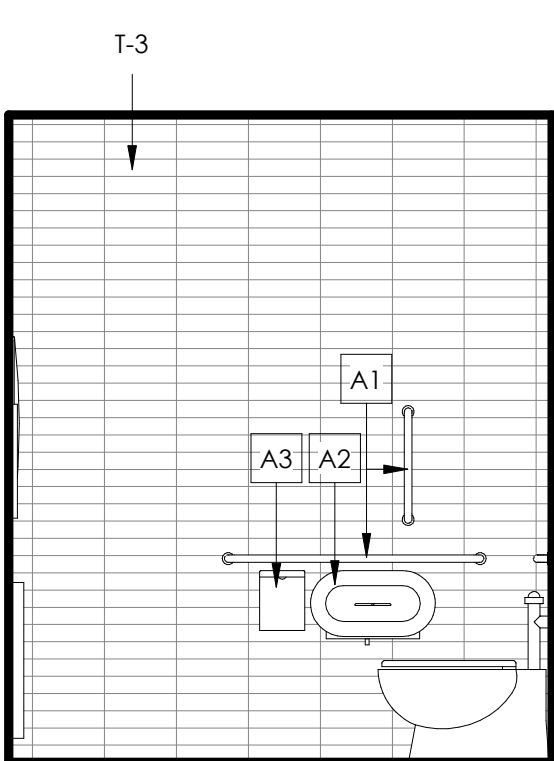
4 104 WOMENS WEST WALL
3/8" = 1'-0"



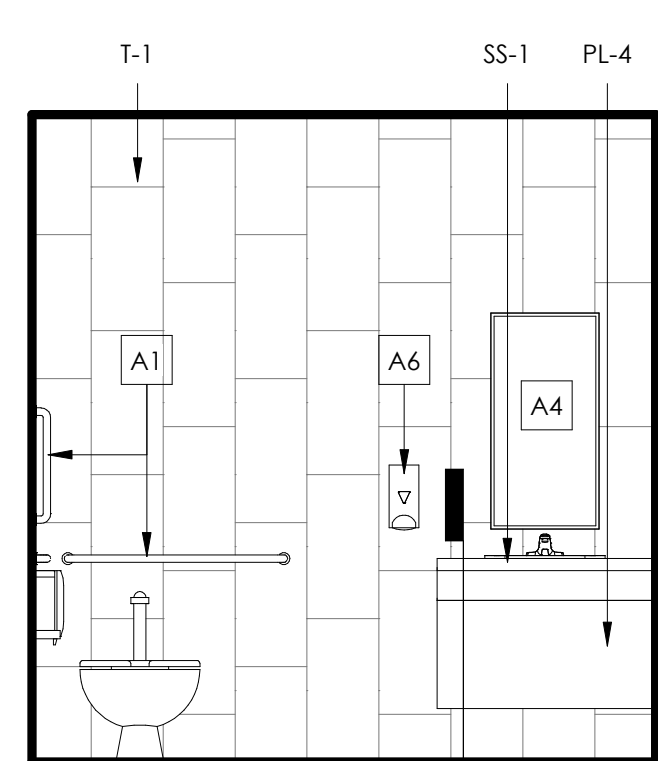
5 104 WOMENS WEST
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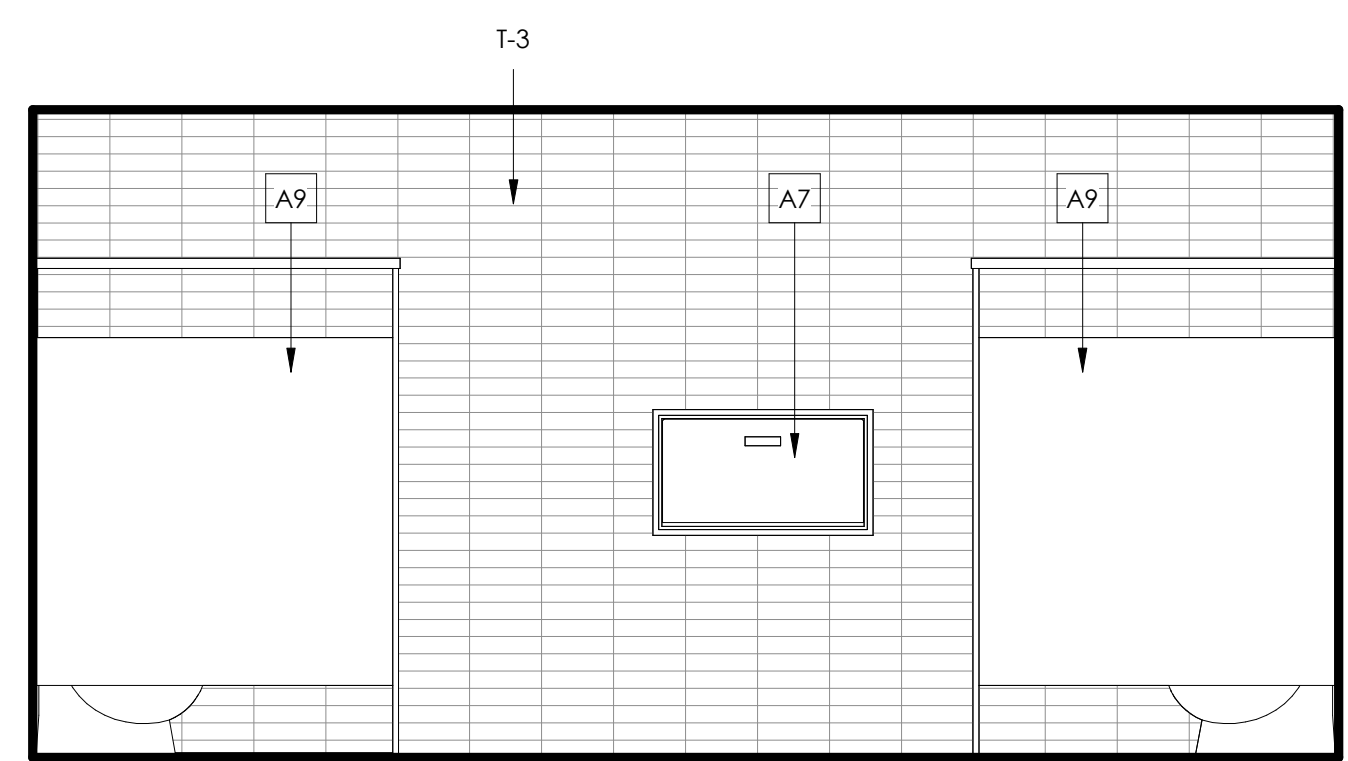
6 107 WOMENS EAST
3/8" = 1'-0"



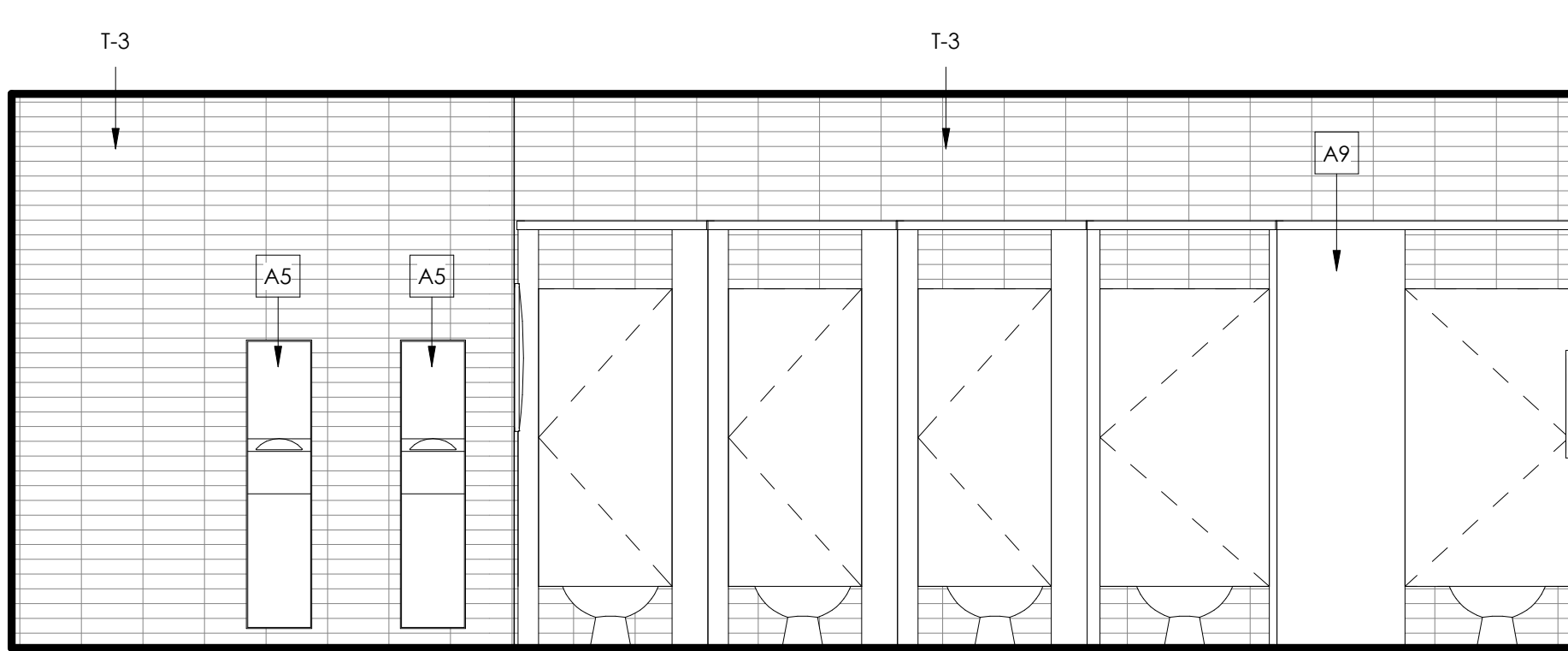
7 107 WOMENS WEST
3/8" = 1'-0"



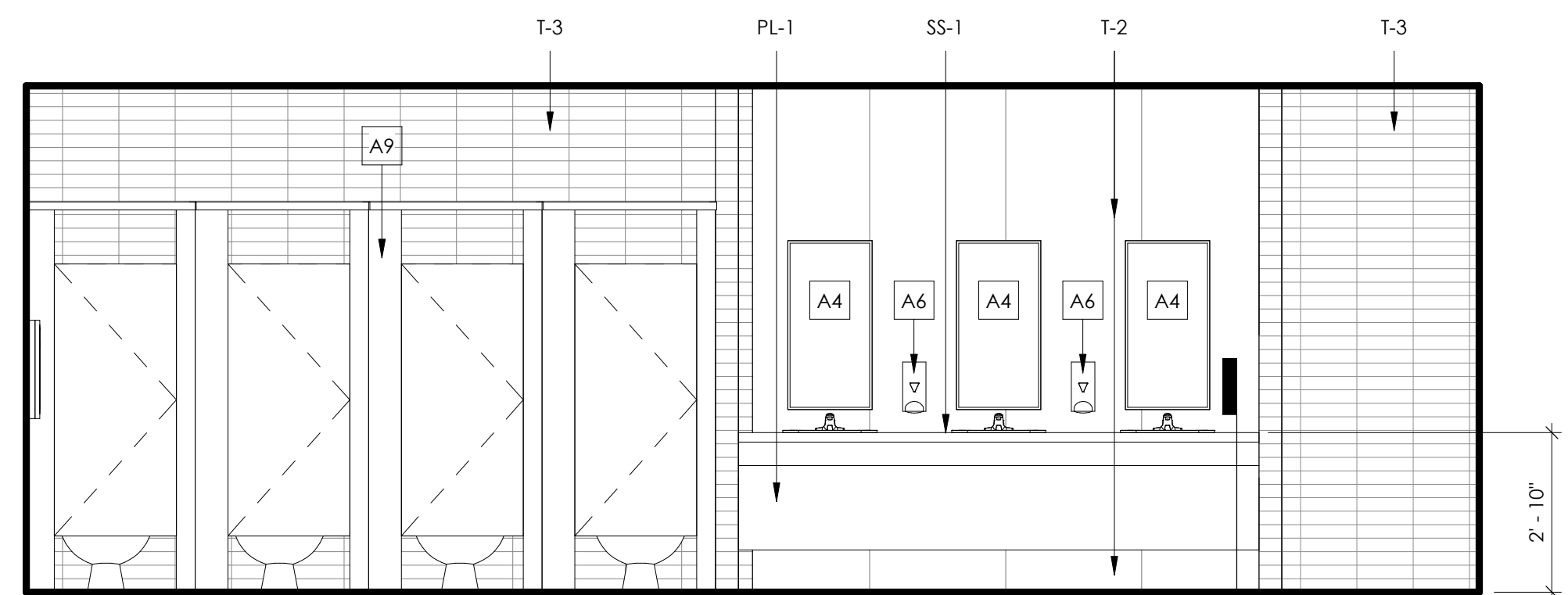
8 107 WOMENS NORTH
3/8" = 1'-0"



1 104 WOMENS EAST
3/8" = 1'-0"

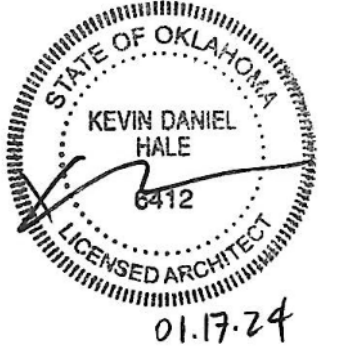


2 104 WOMENS NORTH
3/8" = 1'-0"



3 104 WOMENS SOUTH
3/8" = 1'-0"

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DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

MV

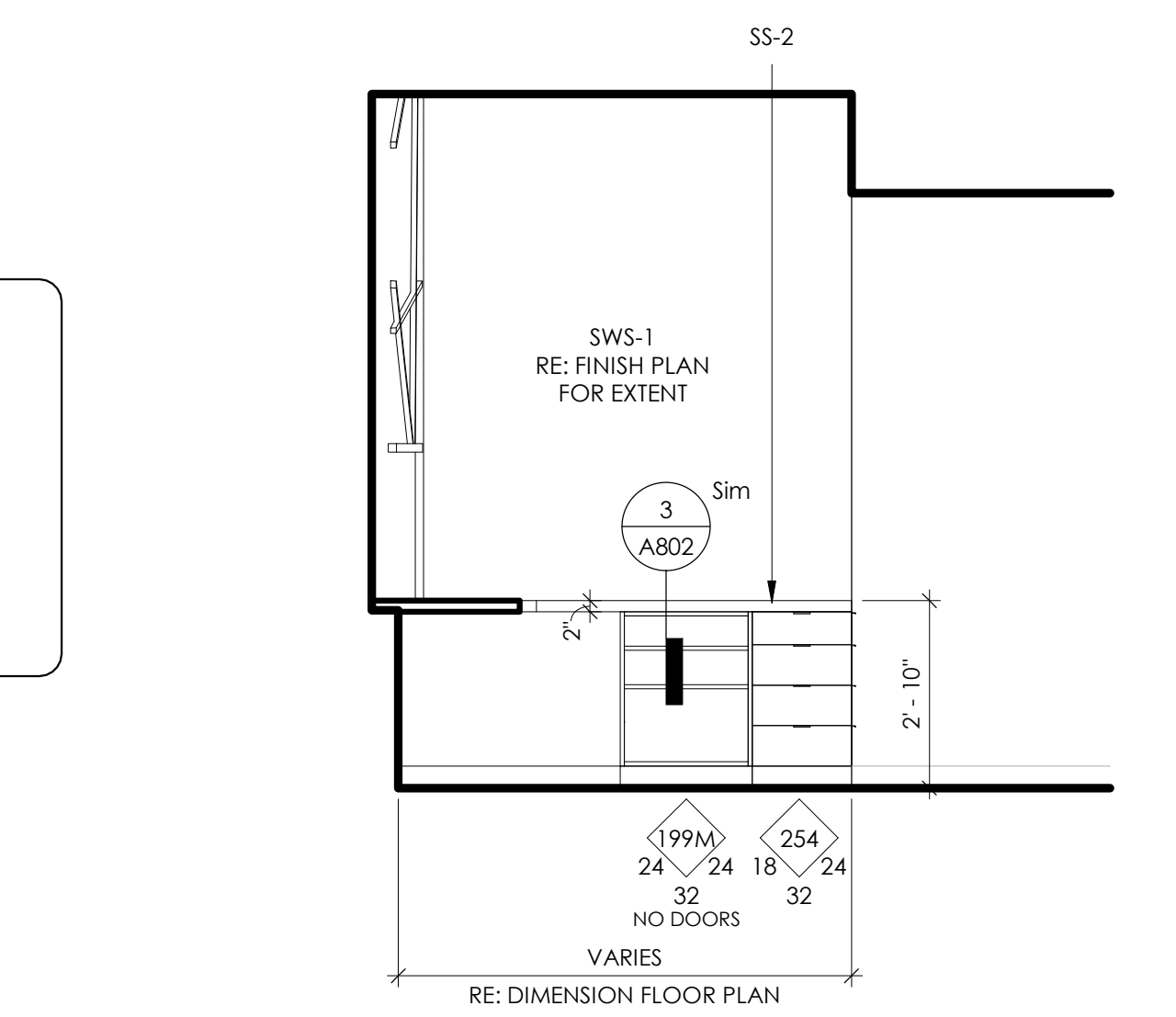
CHECKED BY:

ND

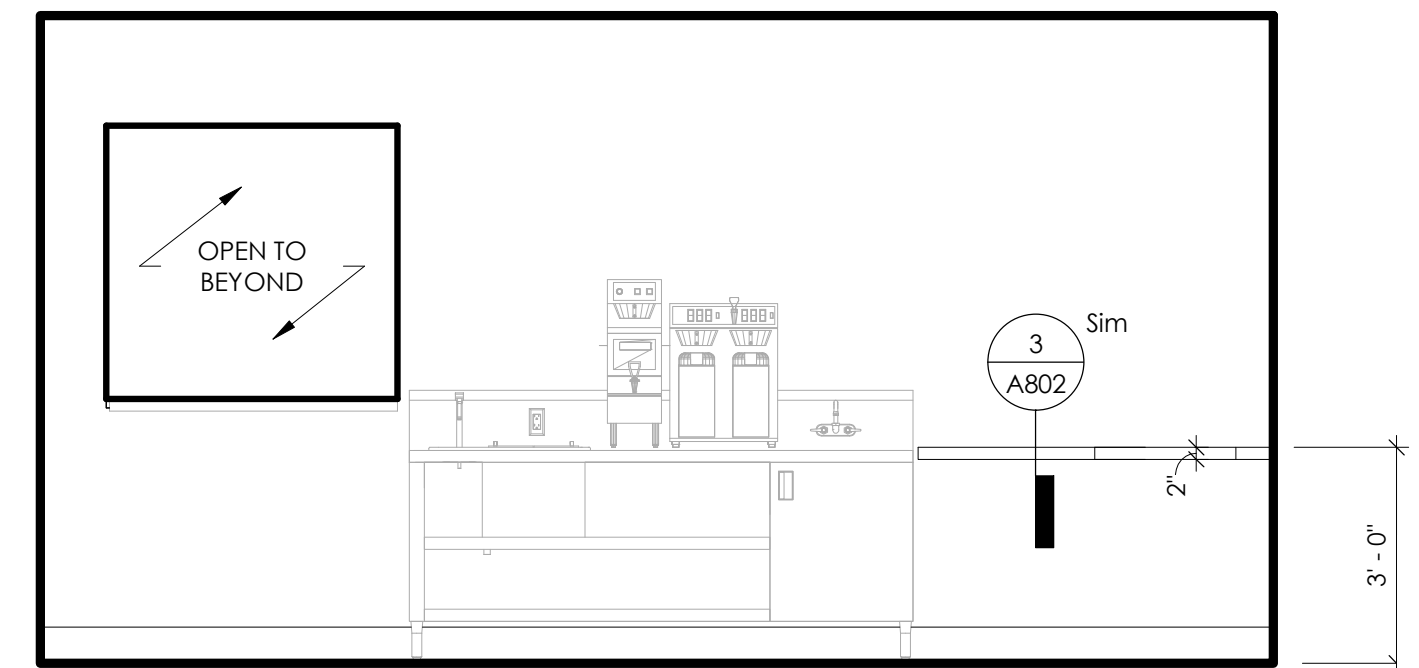
SHEET TITLE:

MILLWORK ELEVATIONS

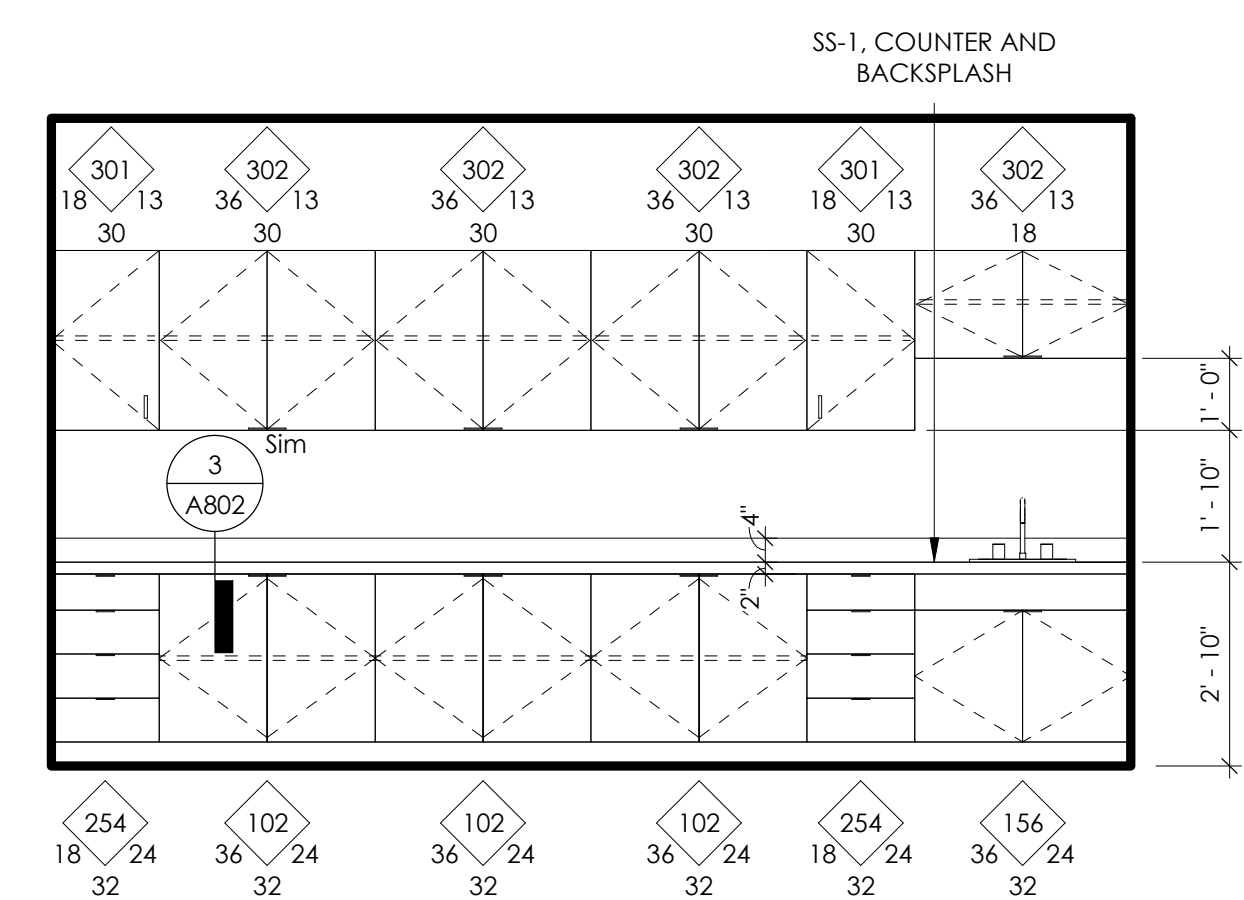
A416



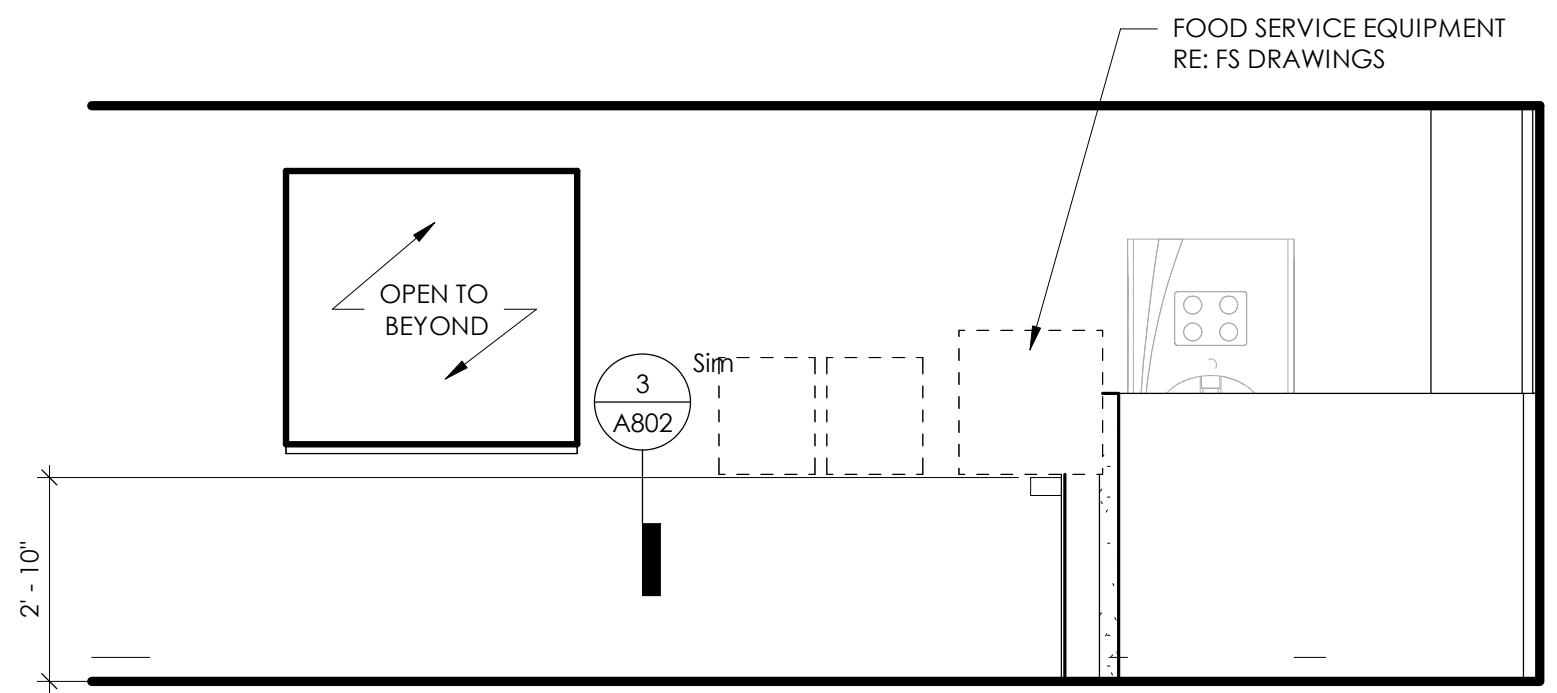
12 135 CAGE MILLWORK - TYPICAL
3/8" = 1'-0"



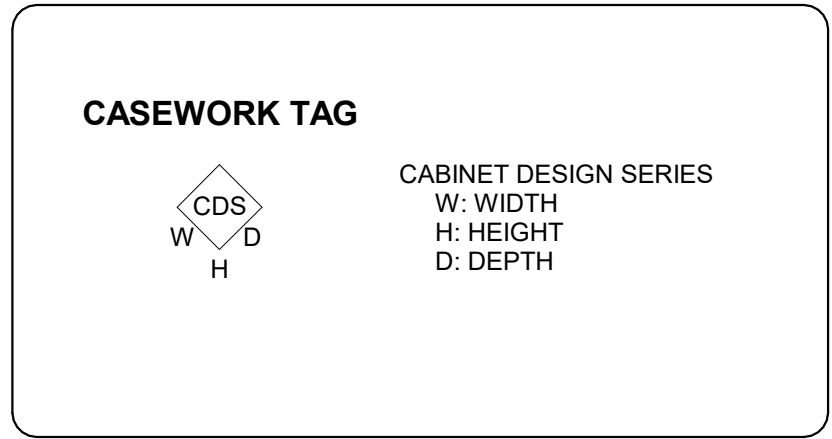
9 113 KITCHEN NORTH
3/8" = 1'-0"



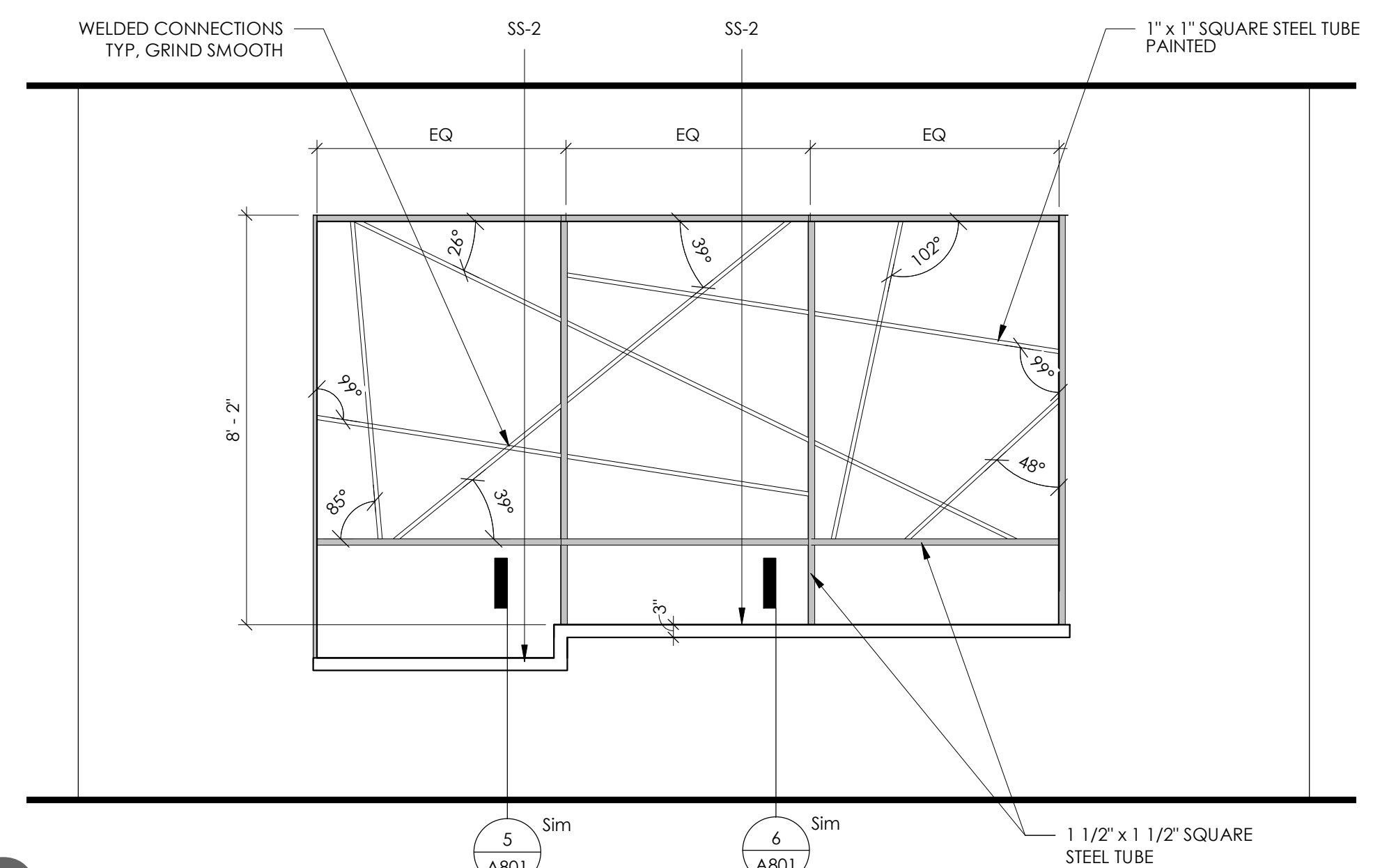
5 128 E.D.R.
3/8" = 1'-0"



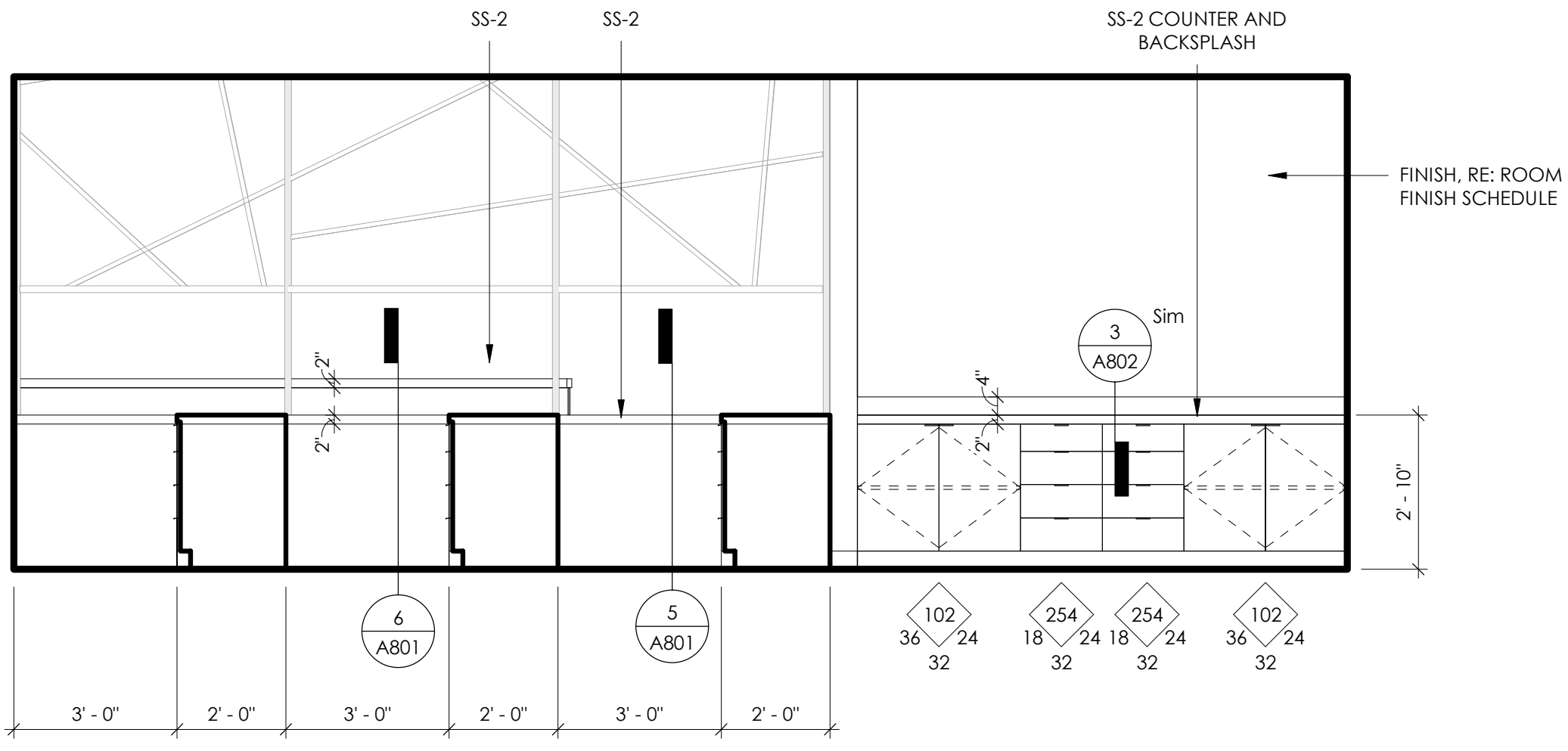
1 112 CAFE WEST
3/8" = 1'-0"



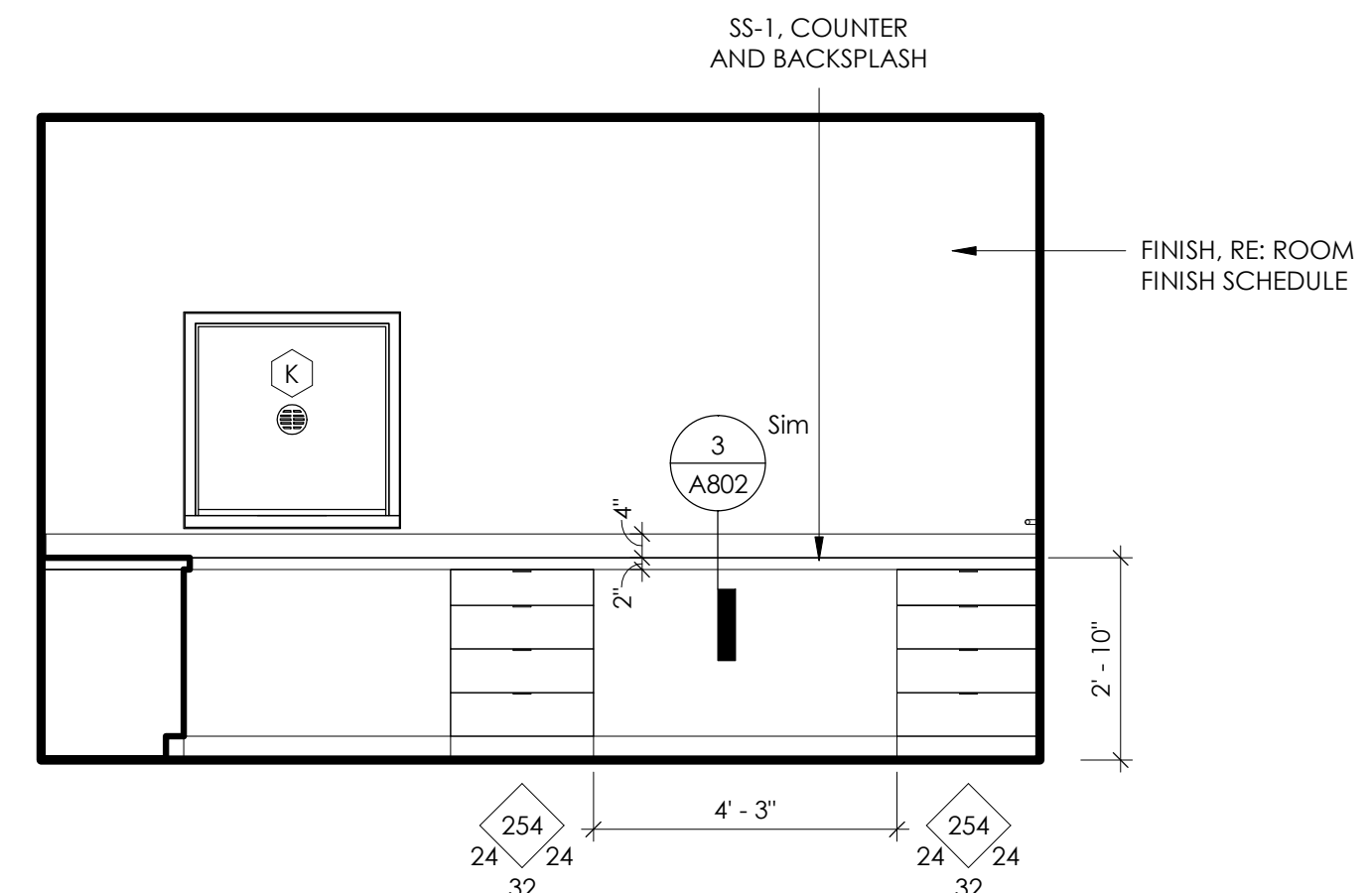
CASEWORK TAG
CDS
W: WIDTH
H: HEIGHT
D: DEPTH



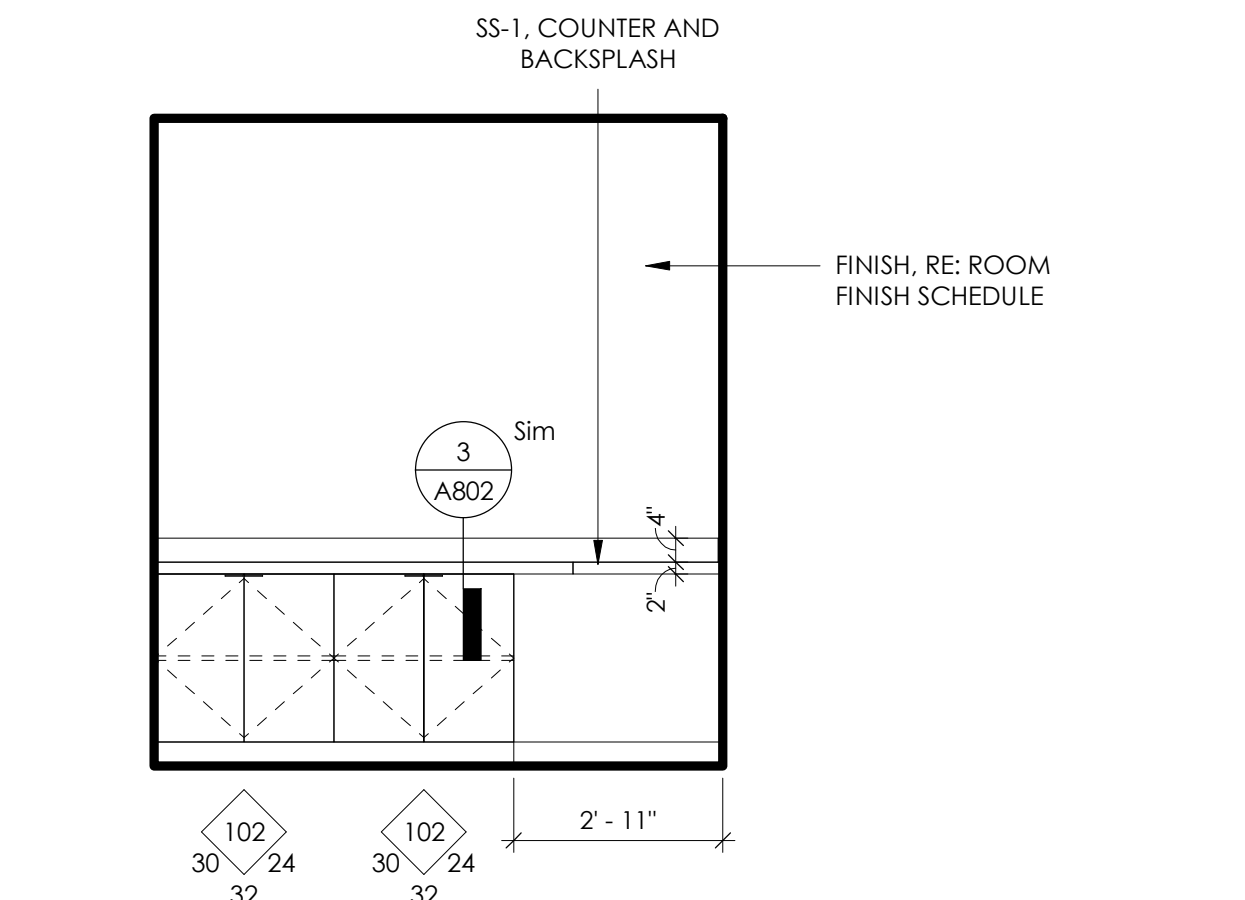
10 171 CAGE FRONT
3/8" = 1'-0"



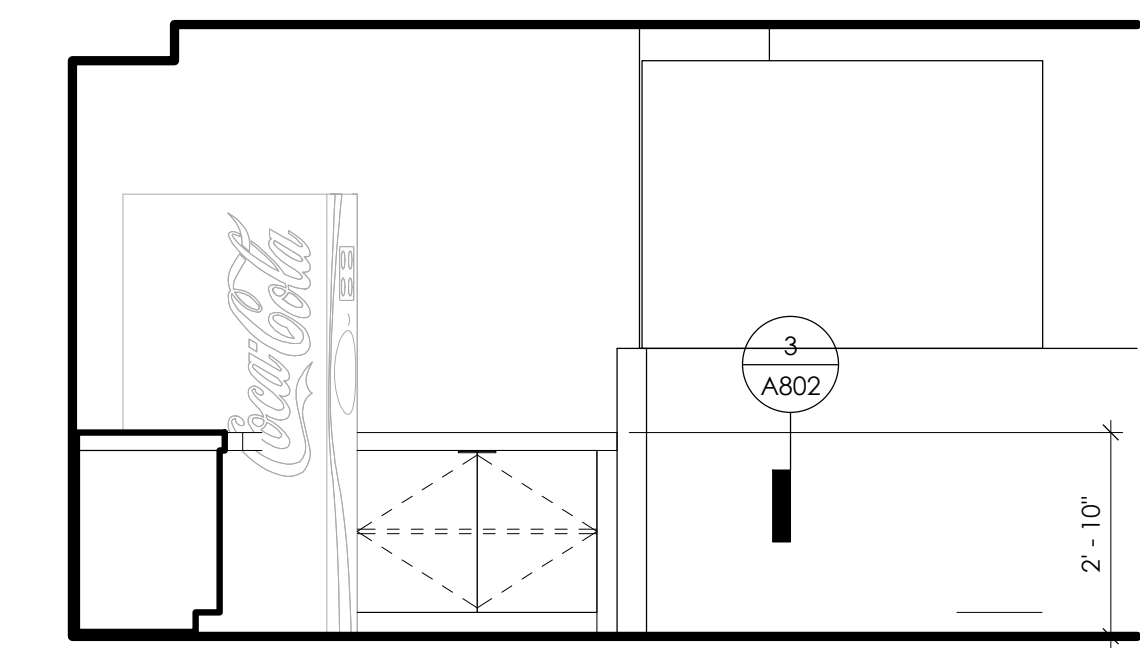
11 135 CAGE EAST
3/8" = 1'-0"



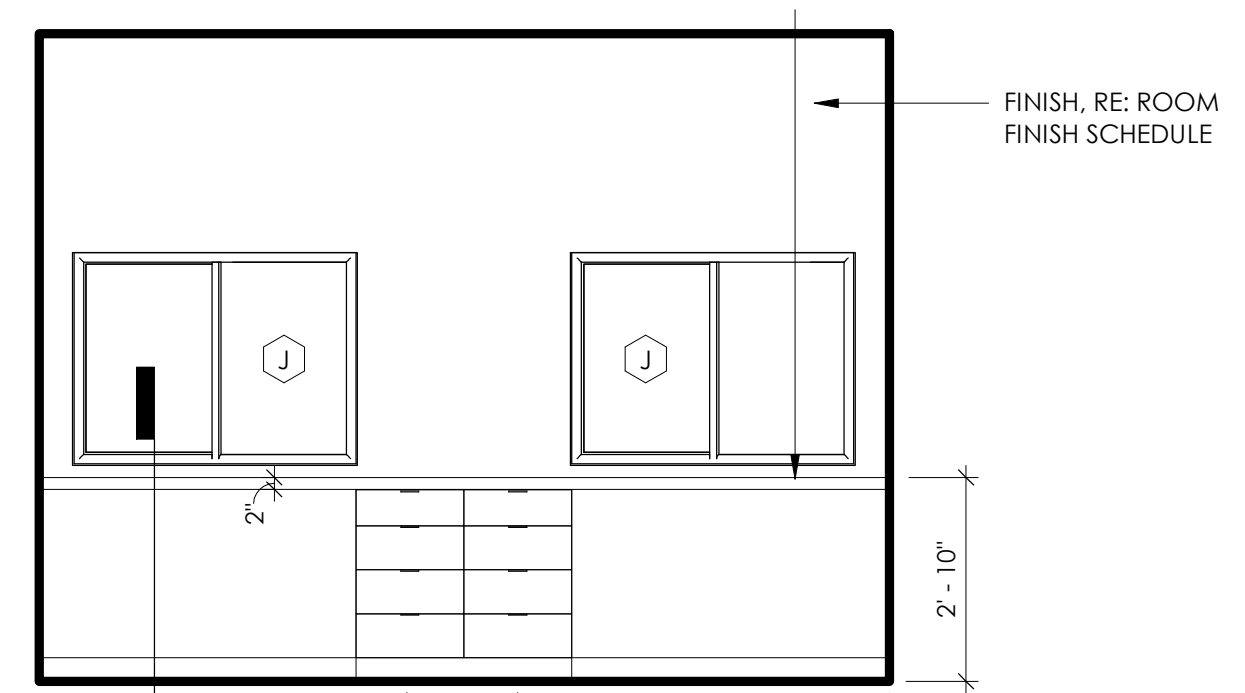
6 131 SECURITY NORTH
3/8" = 1'-0"



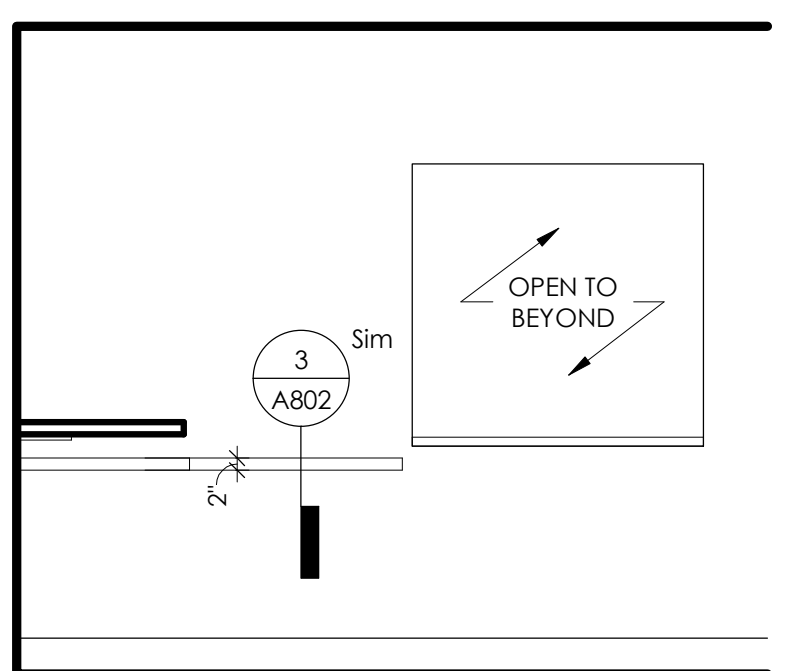
7 131 SECURITY WEST
3/8" = 1'-0"



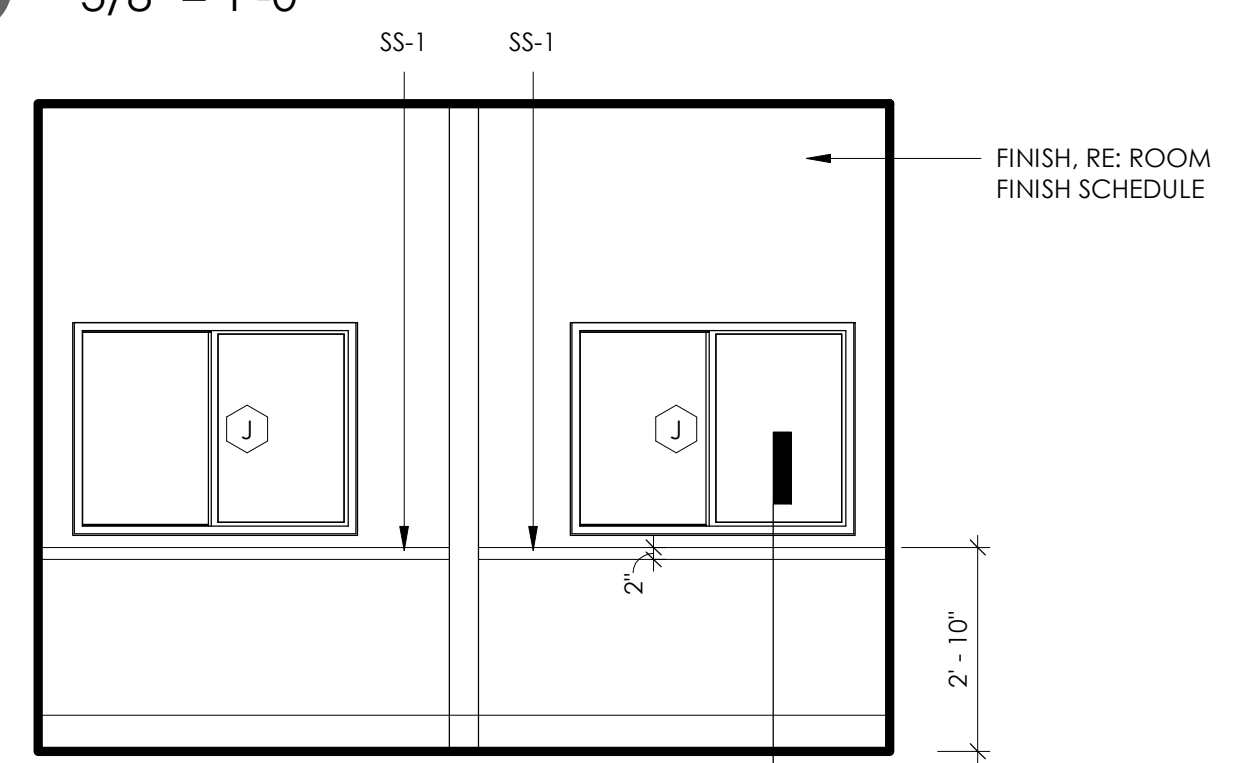
2 112 CAFE COUNTER
3/8" = 1'-0"



3 138 MAIN BANK EAST
3/8" = 1'-0"



8 113 KITCHEN EAST
3/8" = 1'-0"



4 136 E.W. WEST
3/8" = 1'-0"

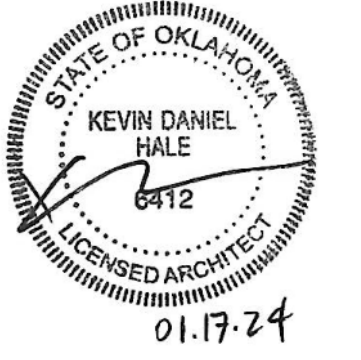
Autodesk Docs://Kiowa Casino/2109-031 Kiowa Casino Interior.rvt

SHEET NOTES:

1. REFER TO ENLARGED PLANS FOR MILLWORK DIMENSIONS AT BAR, TYP.

1ARCHITECTURE

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

MV

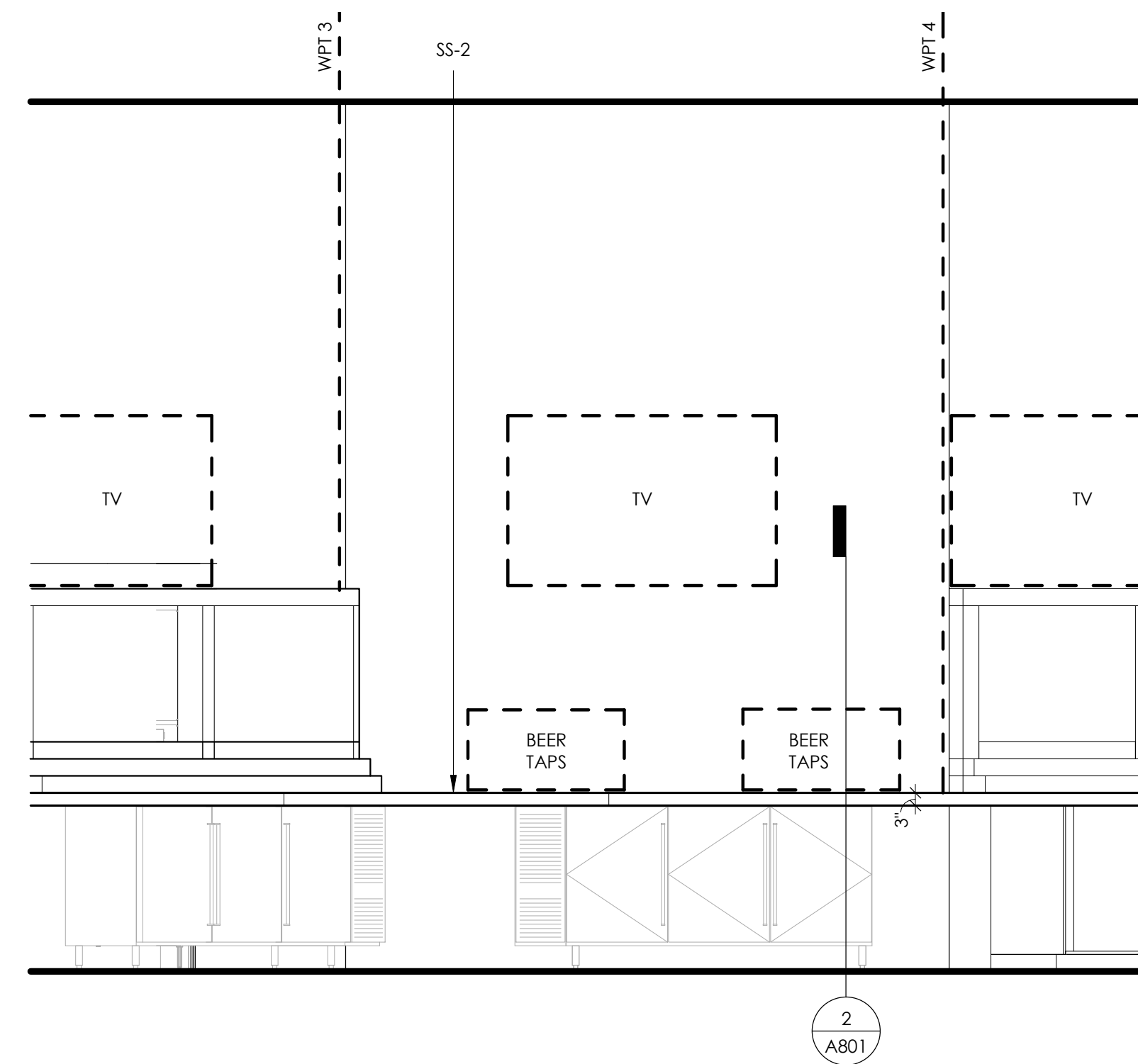
CHECKED BY:

ND

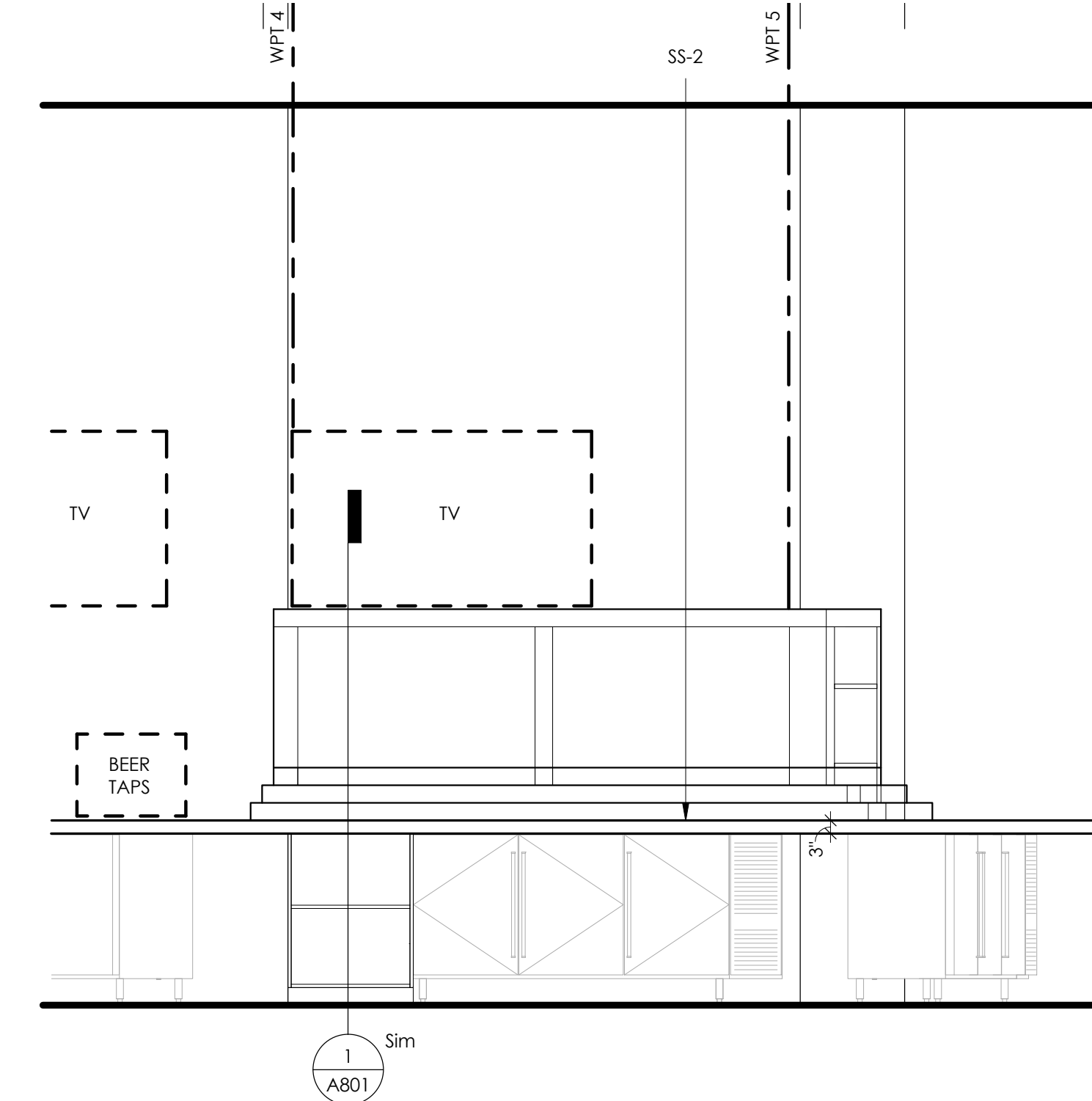
SHEET TITLE:

**MILLWORK ELEVATIONS
- BAR**

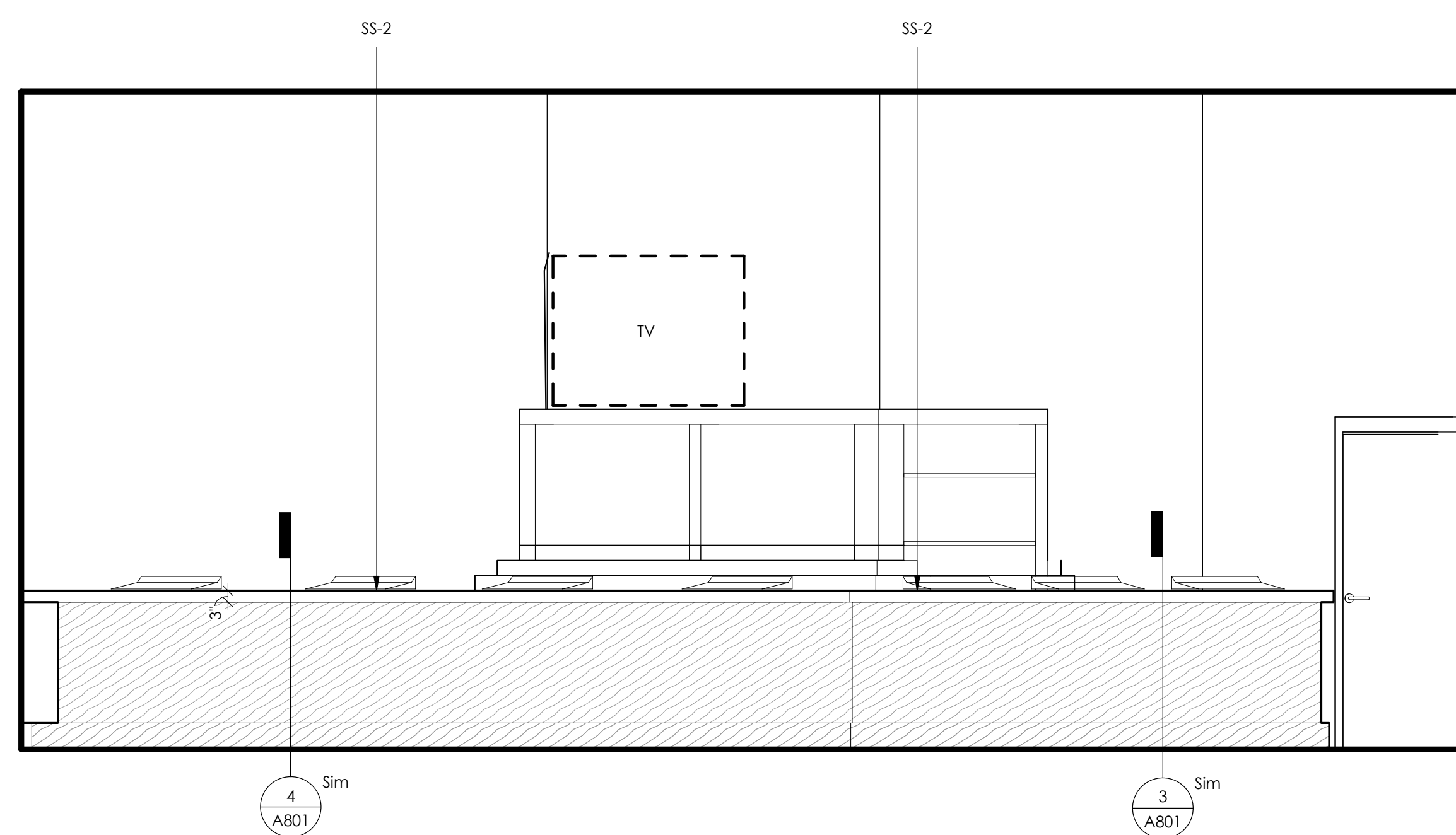
A417



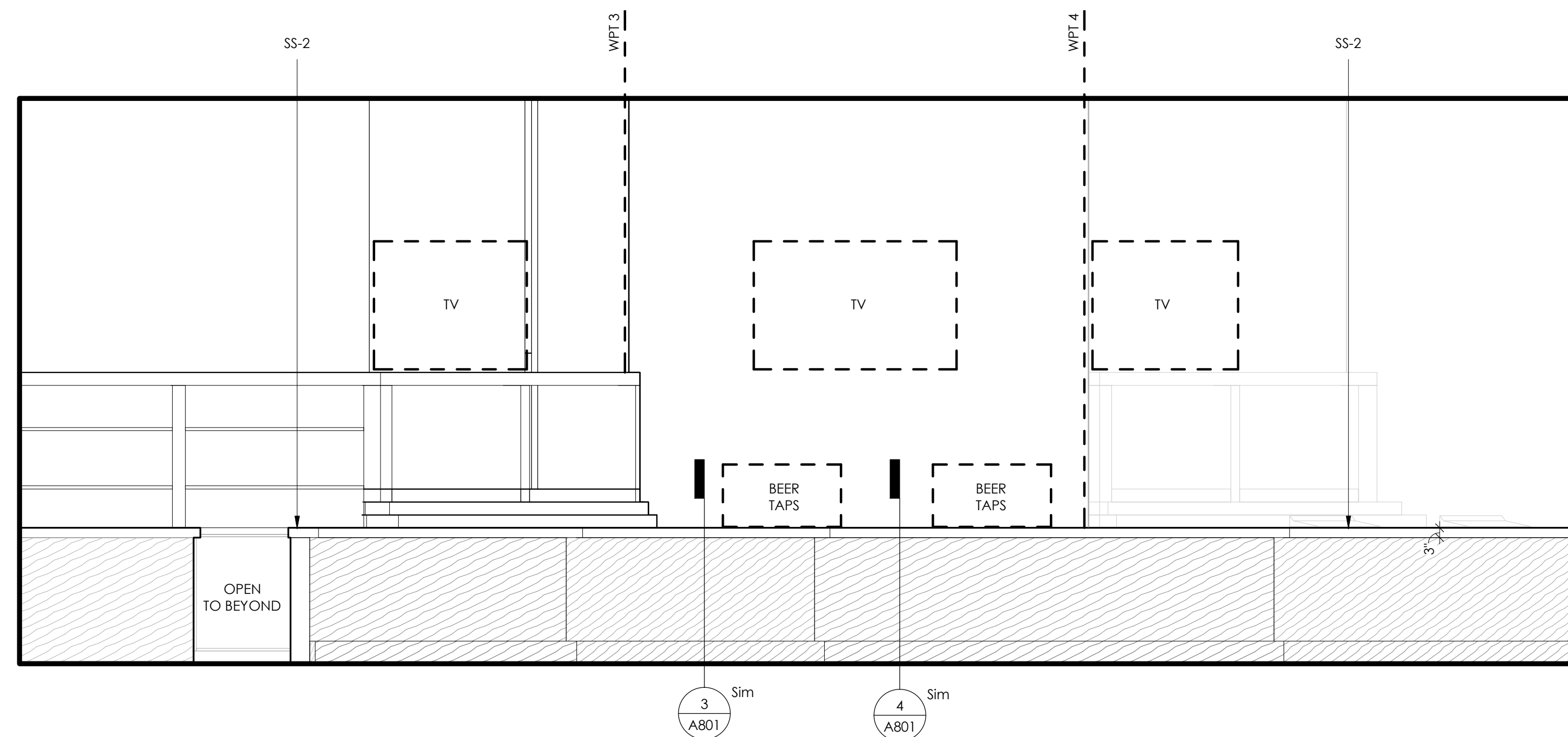
4 172 BAR WEST A - MILLWORK
3/8" = 1'-0"



3 172 BAR WEST B - MILLWORK
3/8" = 1'-0"



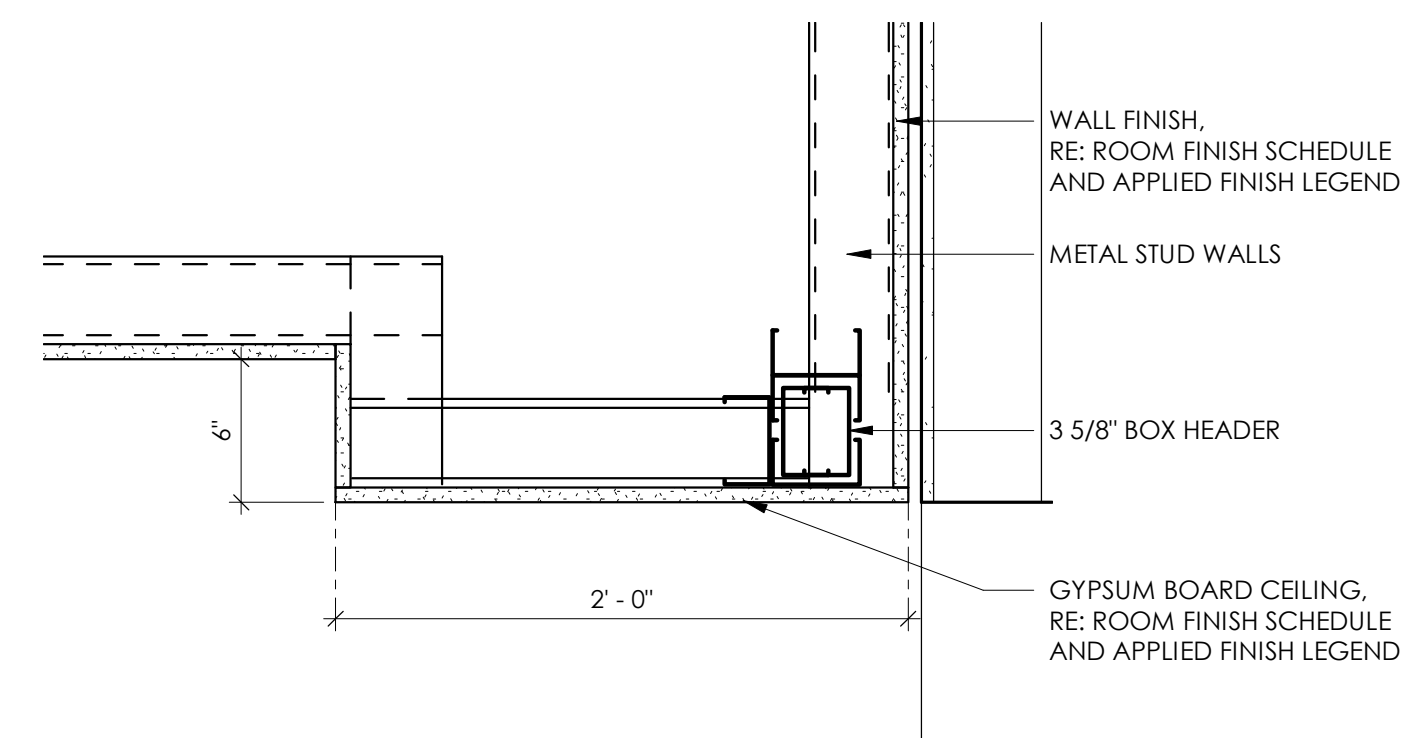
2 171 BAR FRONT B
3/8" = 1'-0"



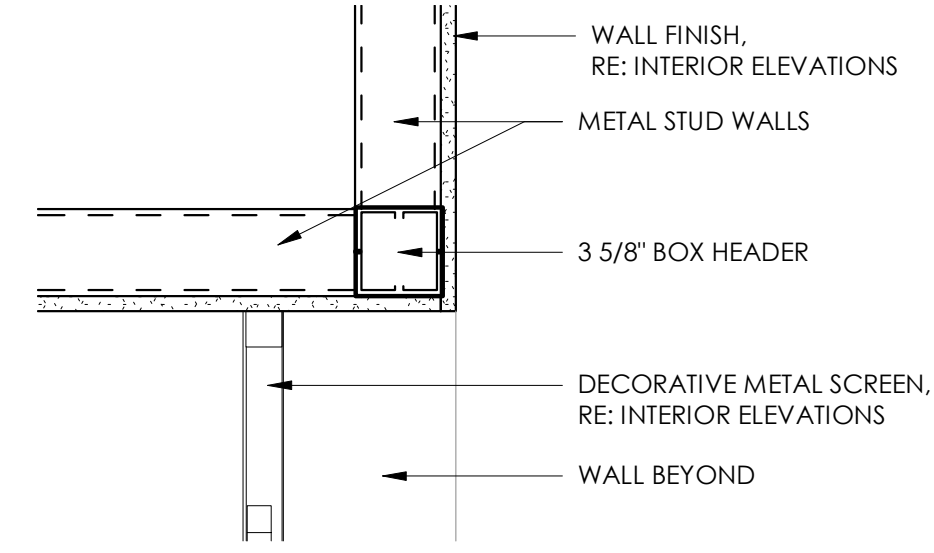
1 171 BAR FRONT A
3/8" = 1'-0"



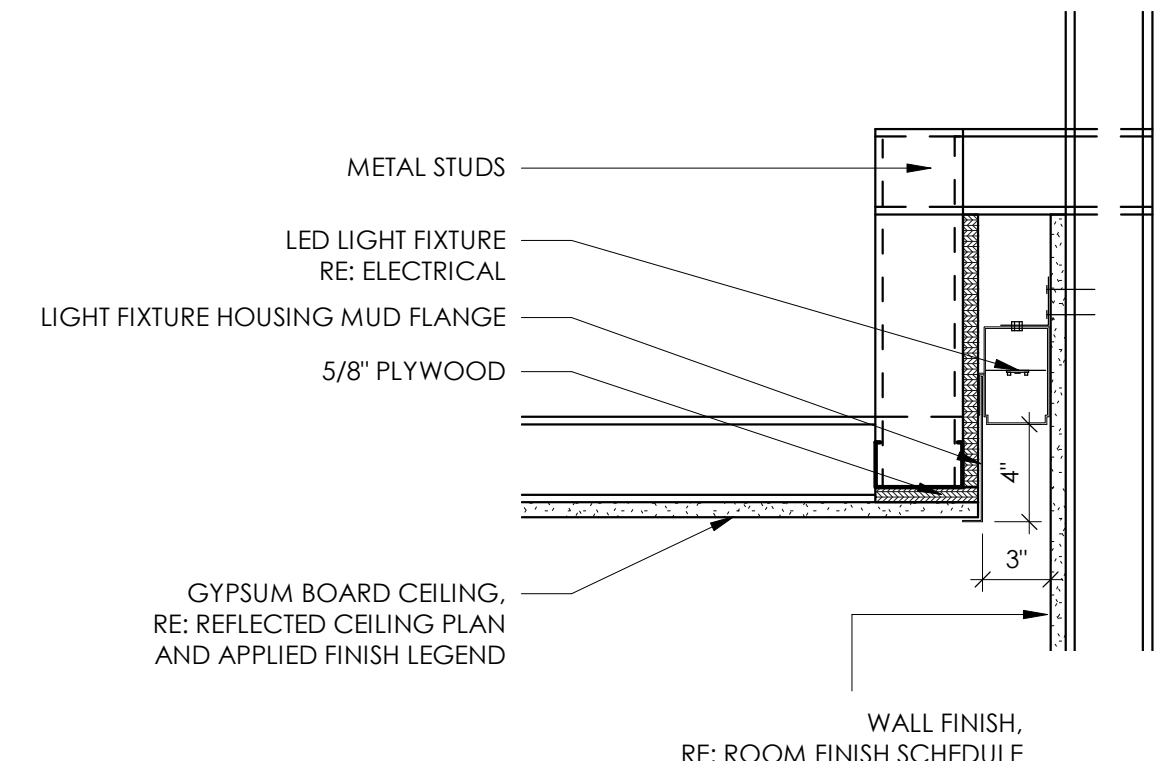
SHEET NOTES:
1. REFER TO ENLARGED PLANS FOR MILLWORK DIMENSIONS AT BAR, TYP.



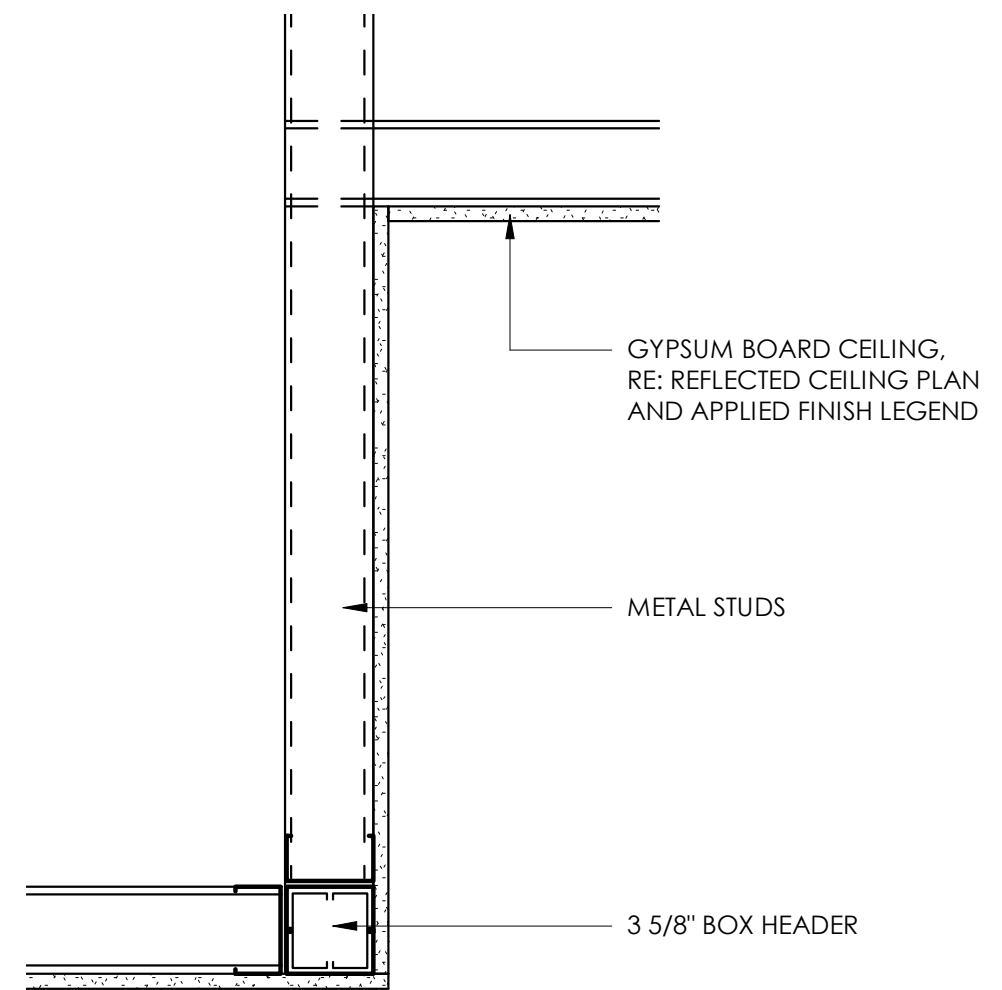
10 GYP SOFFIT @ OPEN CEILING
1 1/2" = 1'-0"



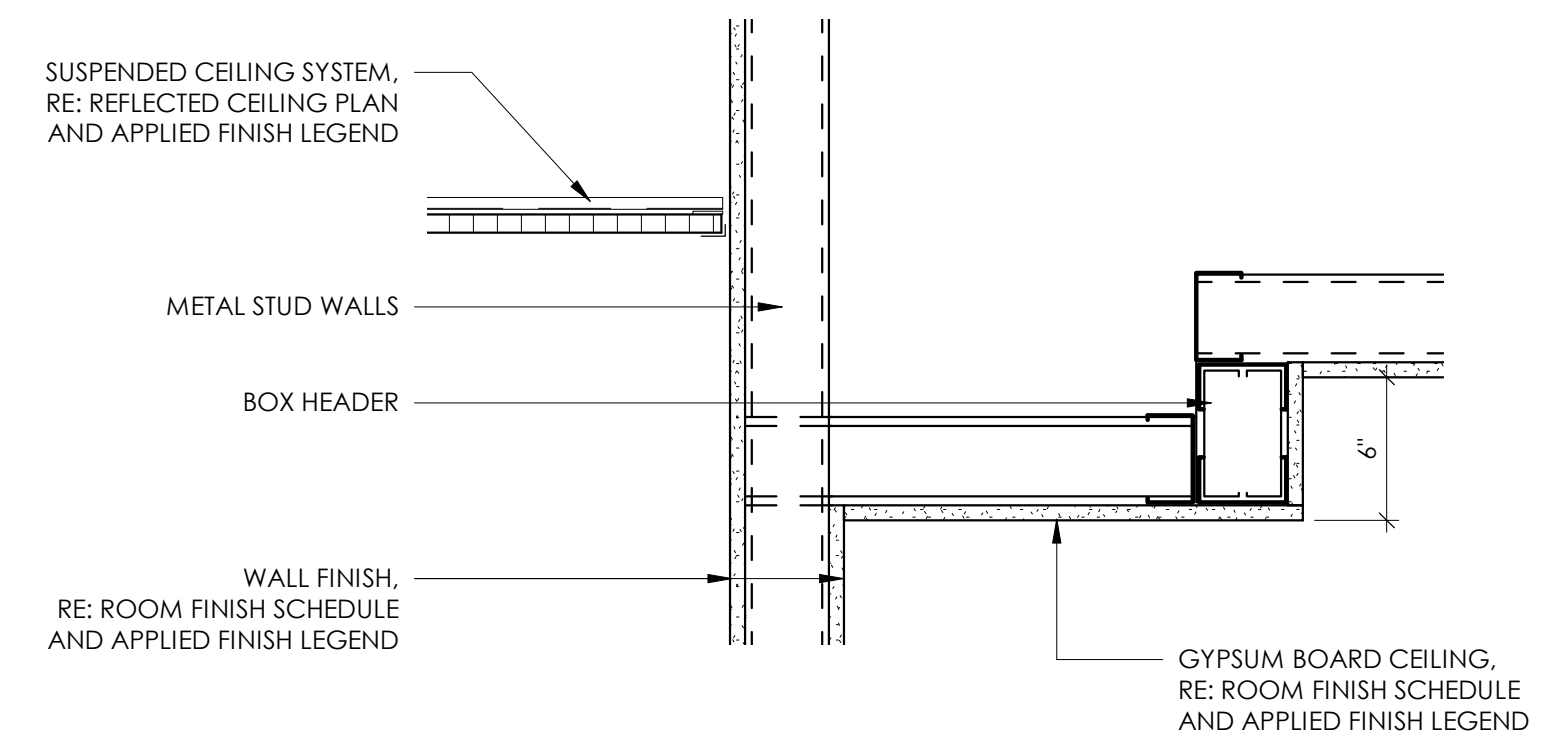
9 GYP SOFFIT @ CASH CAGE
1 1/2" = 1'-0"



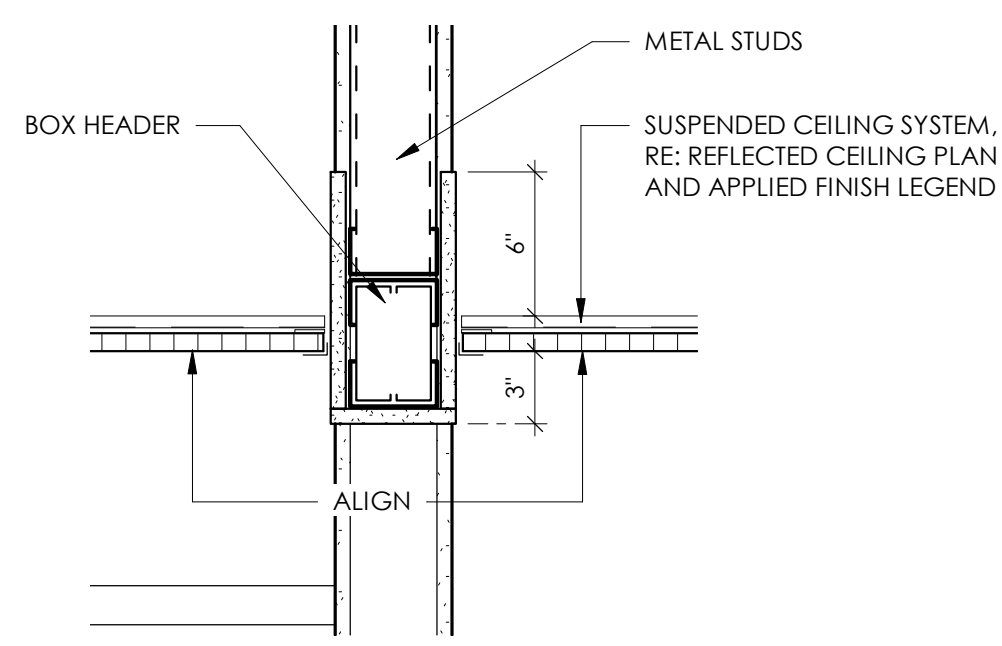
8 COVE LIGHT
1 1/2" = 1'-0"



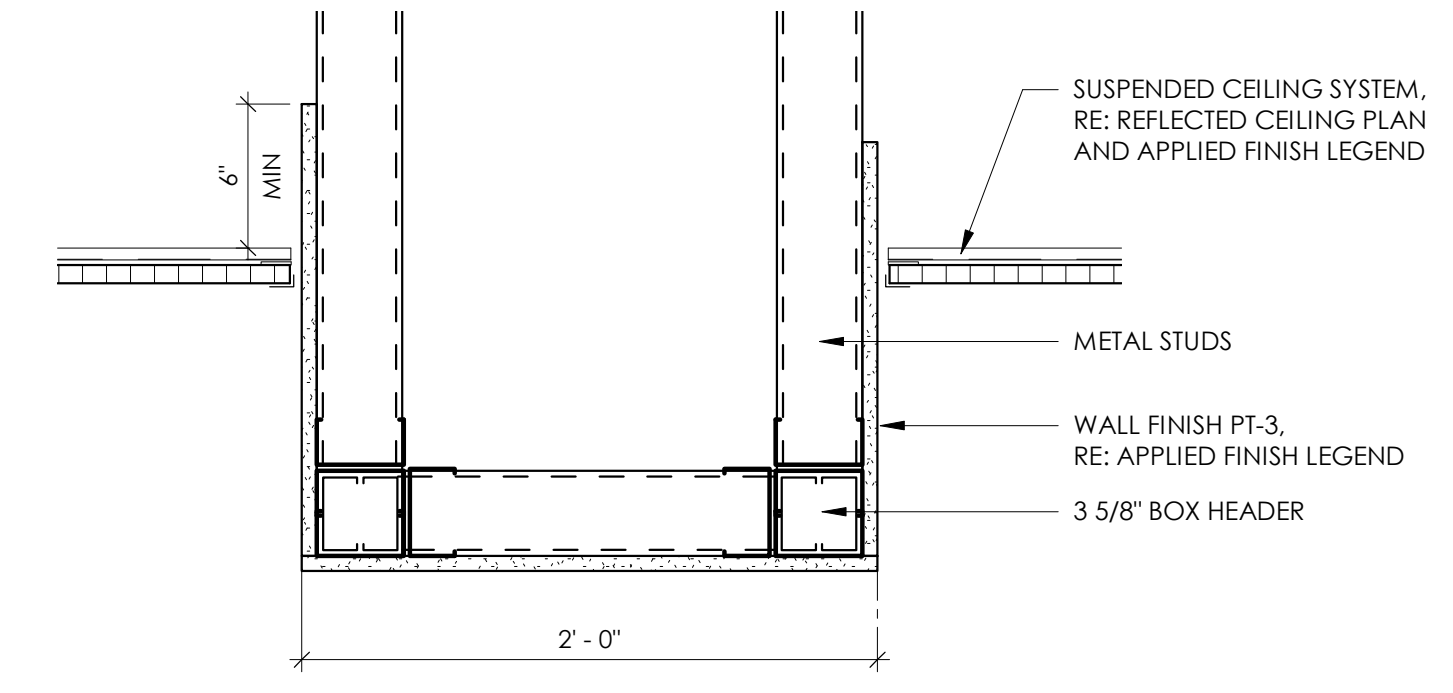
7 135 CAGE SOFFIT
1 1/2" = 1'-0"



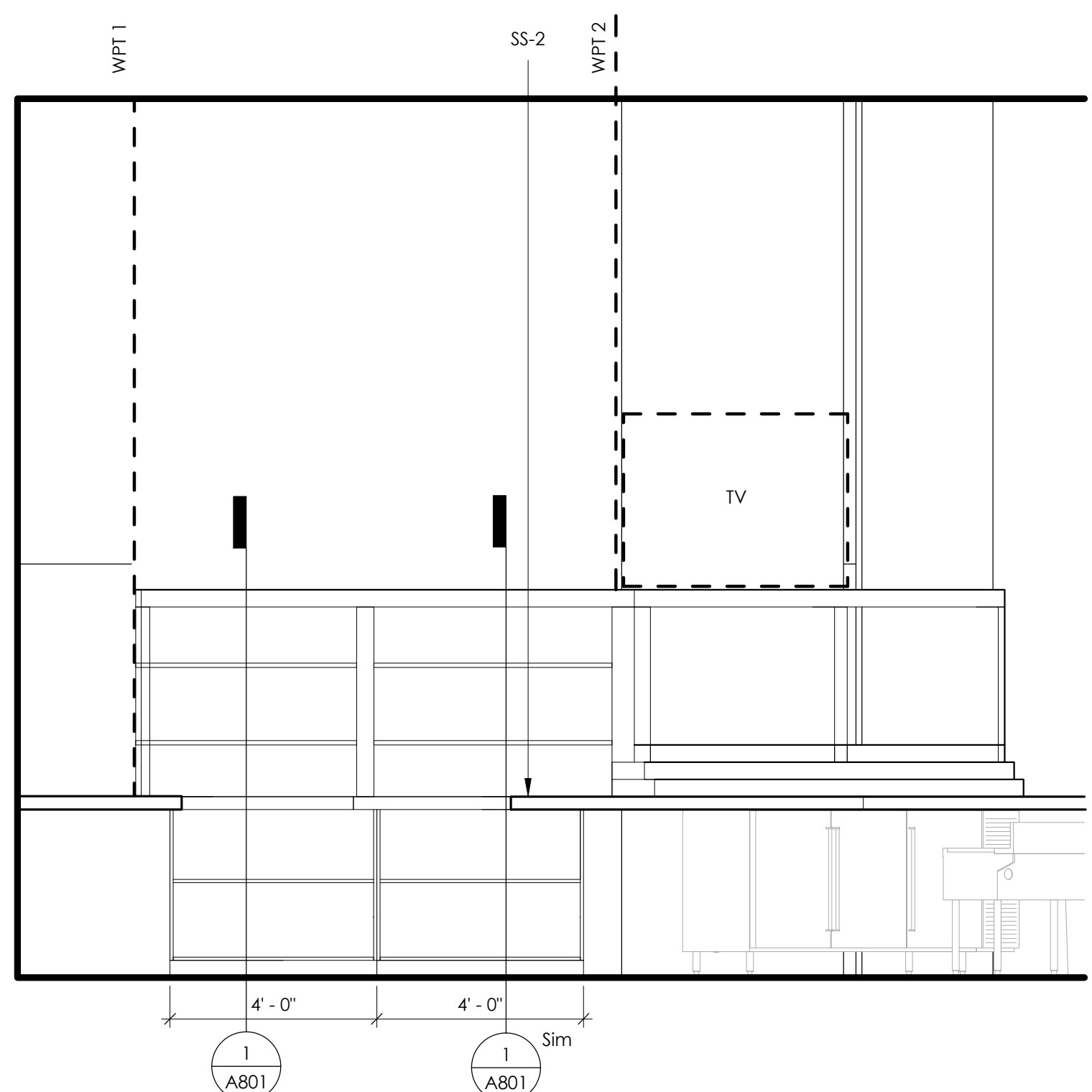
6 GYP SOFFIT DETAIL
1 1/2" = 1'-0"



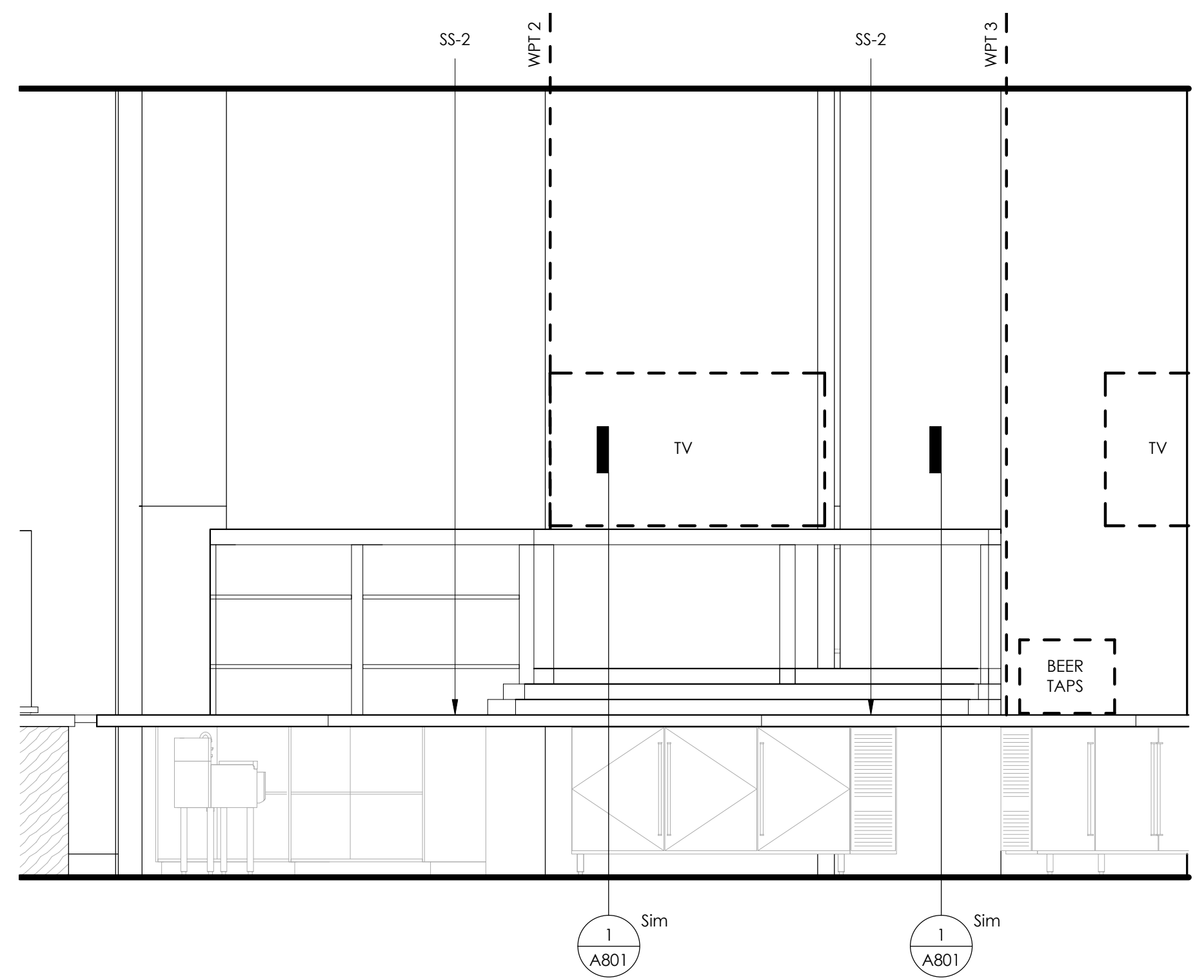
5 ACT TRANSITION DETAIL
1 1/2" = 1'-0"



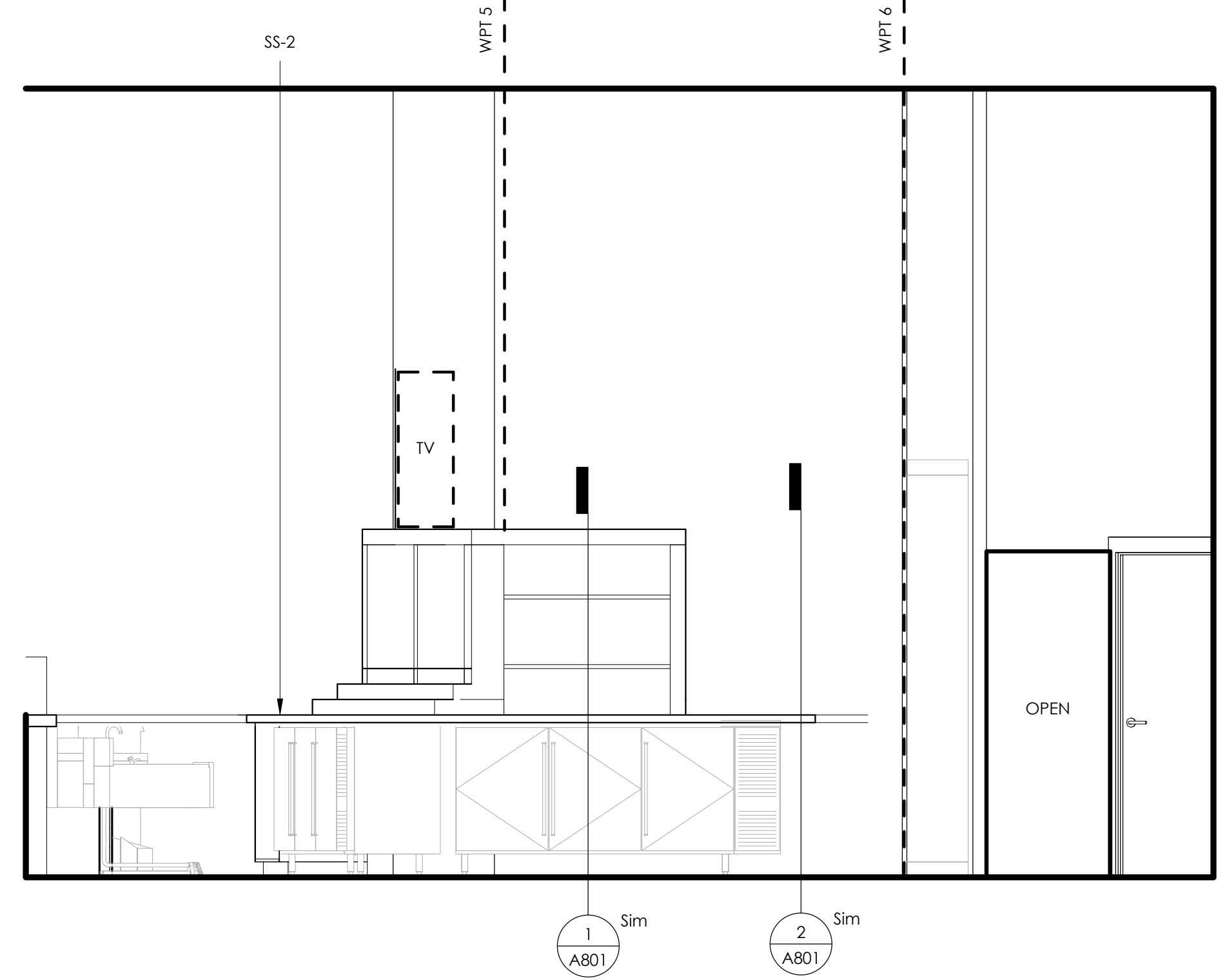
4 GYP SOFFIT @ ACT
1 1/2" = 1'-0"



3 172 BAR BACK C
3/8" = 1'-0"



2 172 BAR BACK B
3/8" = 1'-0"



1 172 BAR BACK A
3/8" = 1'-0"



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

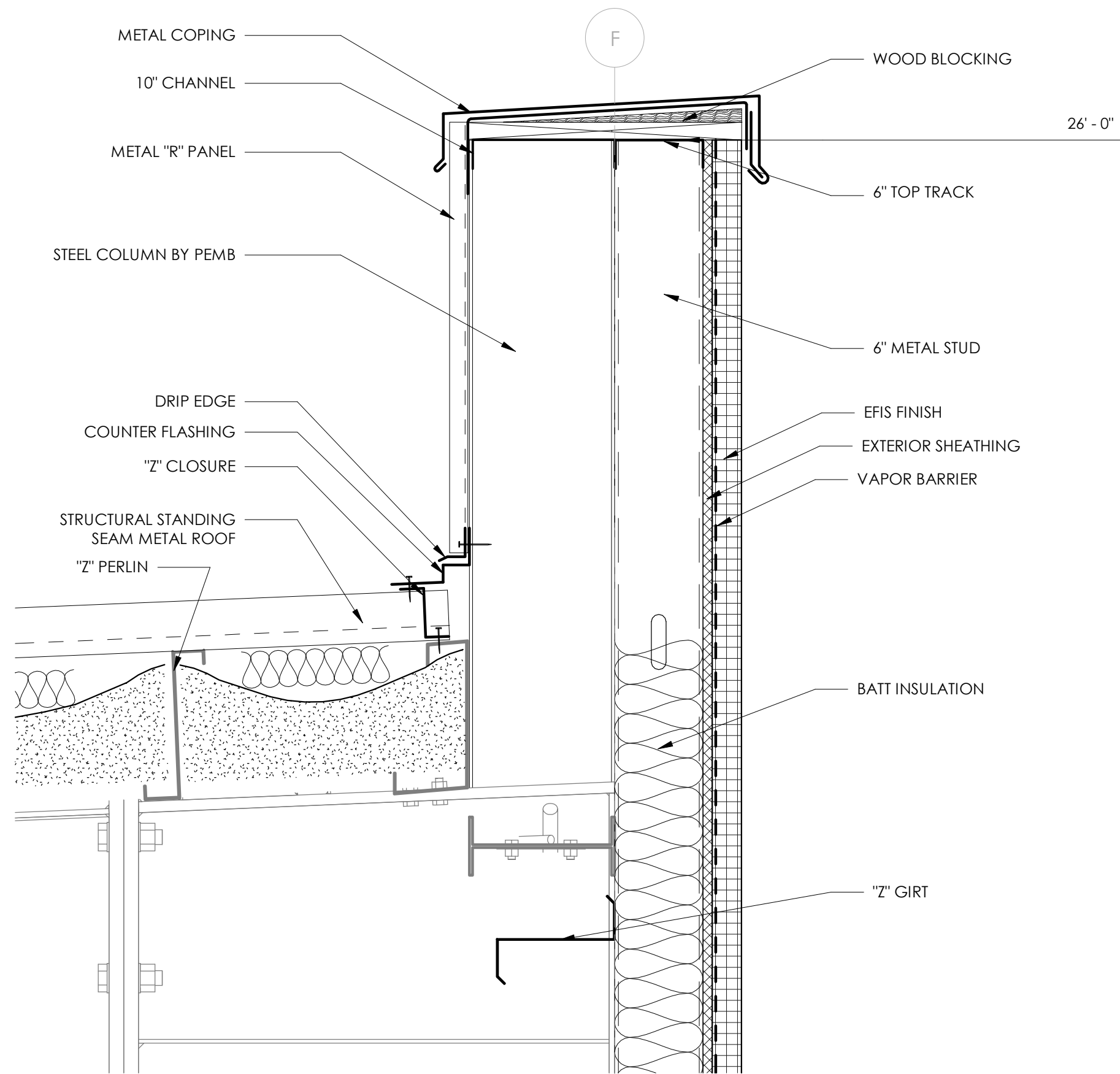
HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

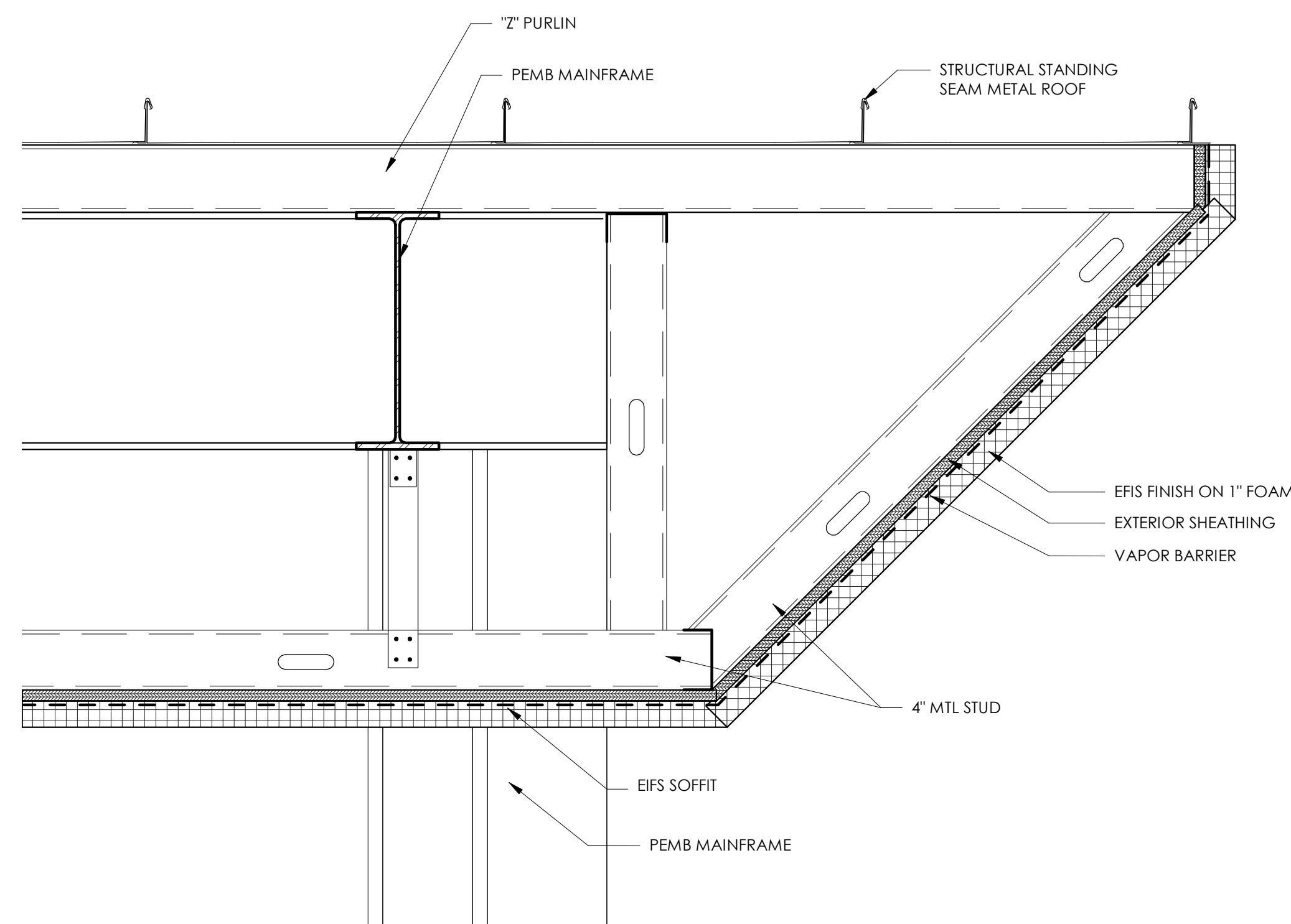
PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
MV
CHECKED BY:
ND
SHEET TITLE:

MILLWORK ELEVATIONS
- BAR & CEILING
DETAILS

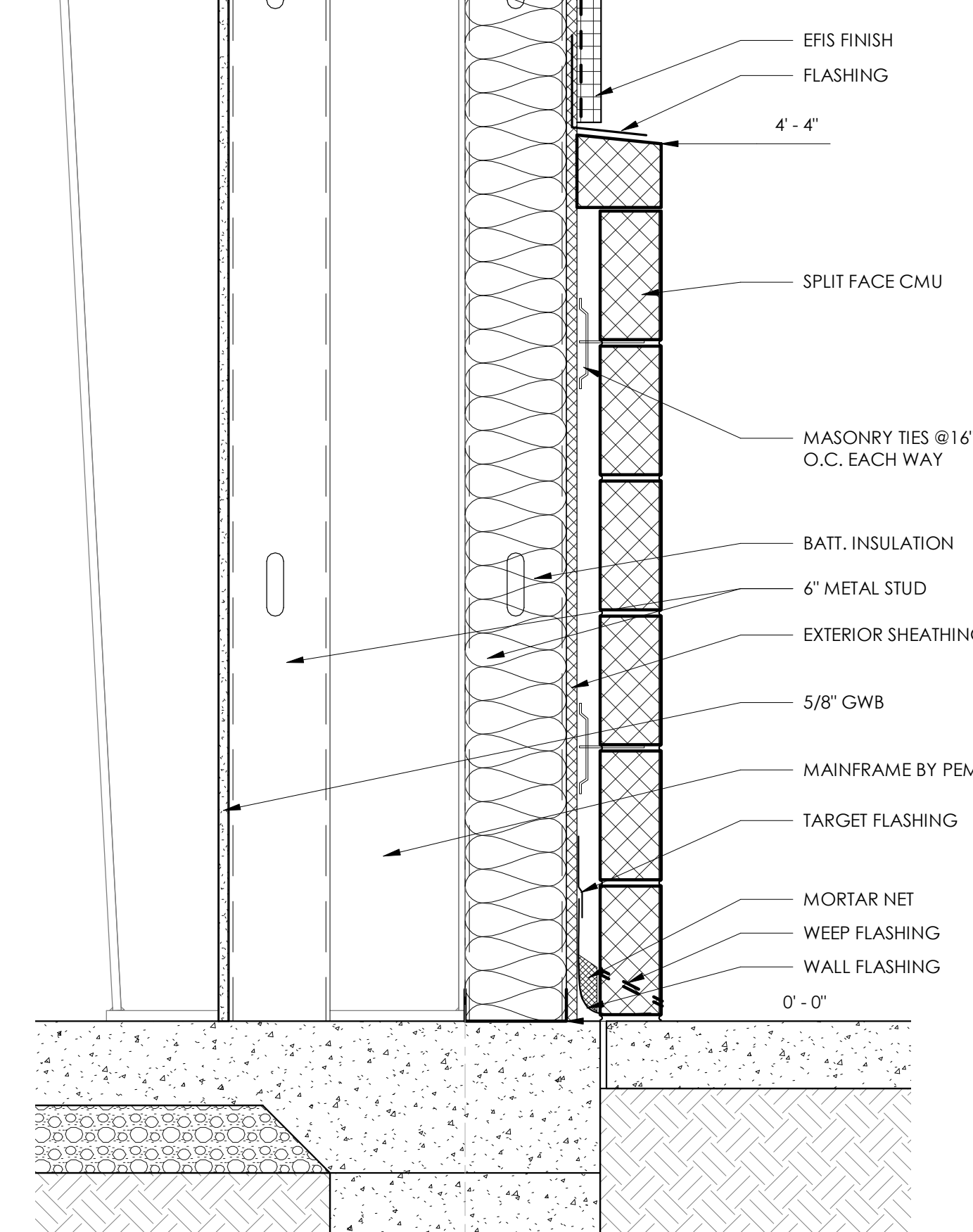
A418



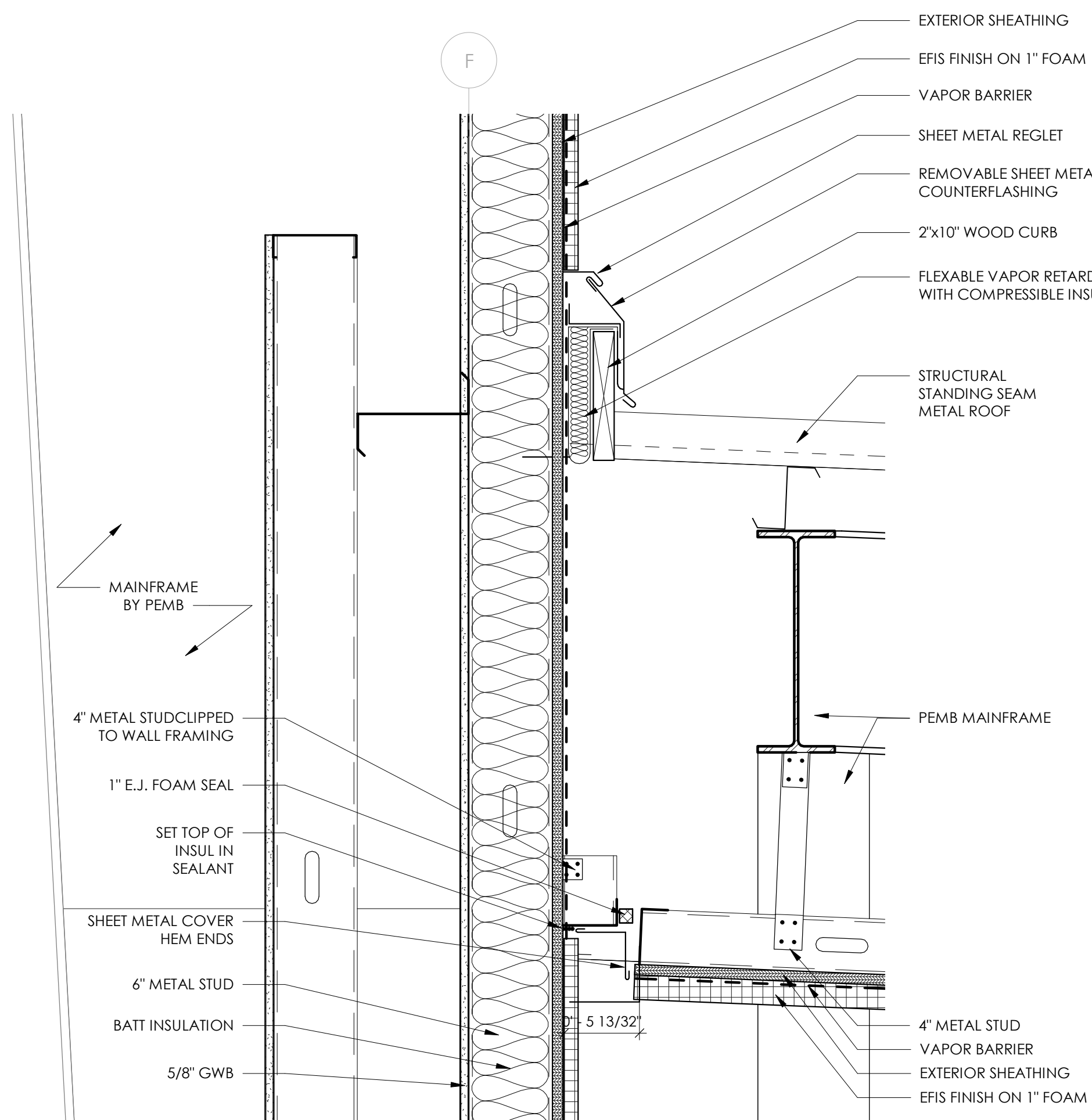
1 PARAPET DETAIL
1 1/2" = 1'-0"



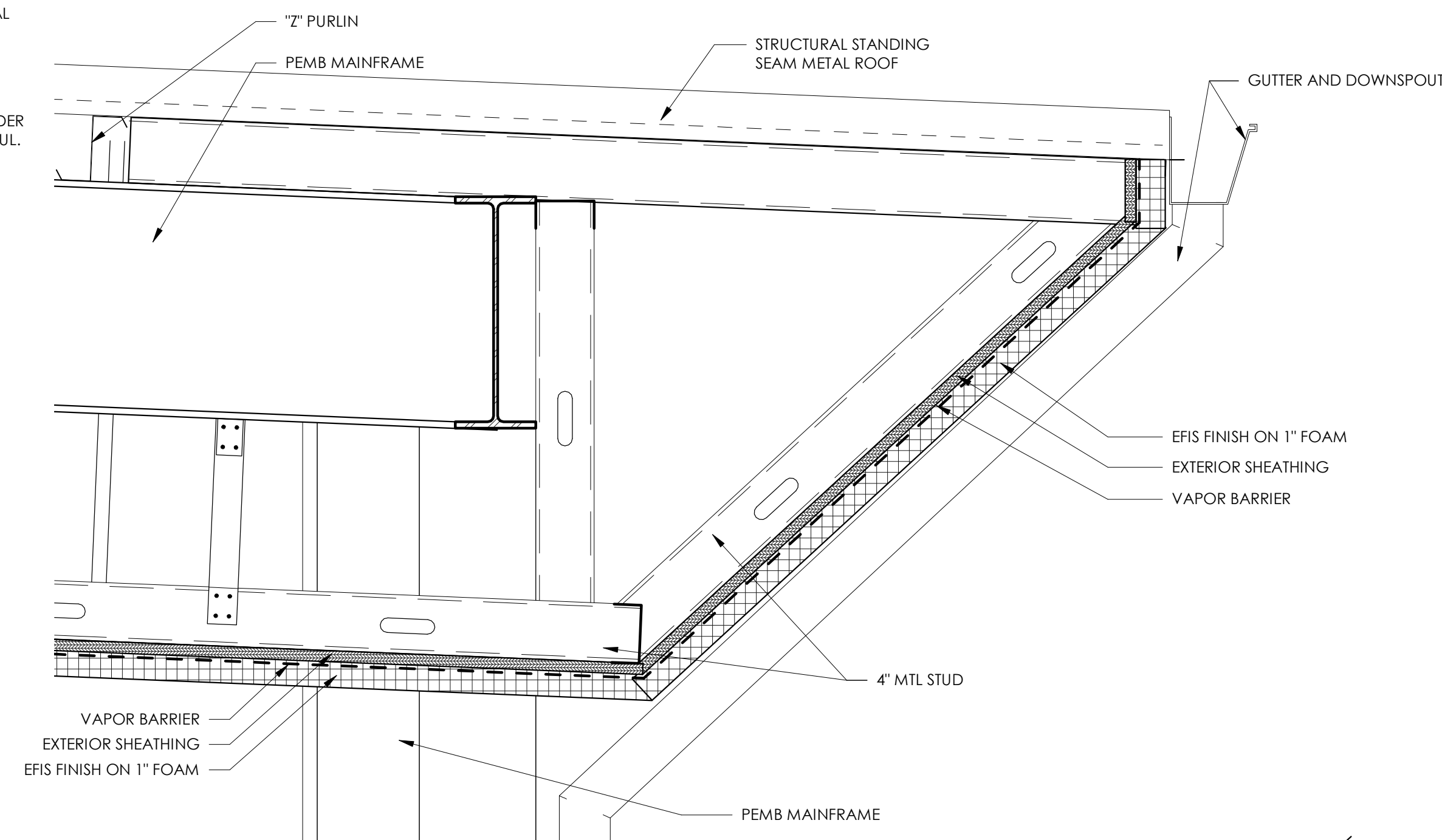
2 ENLARGED CANOPY SIDE DETAIL
1 1/2" = 1'-0"



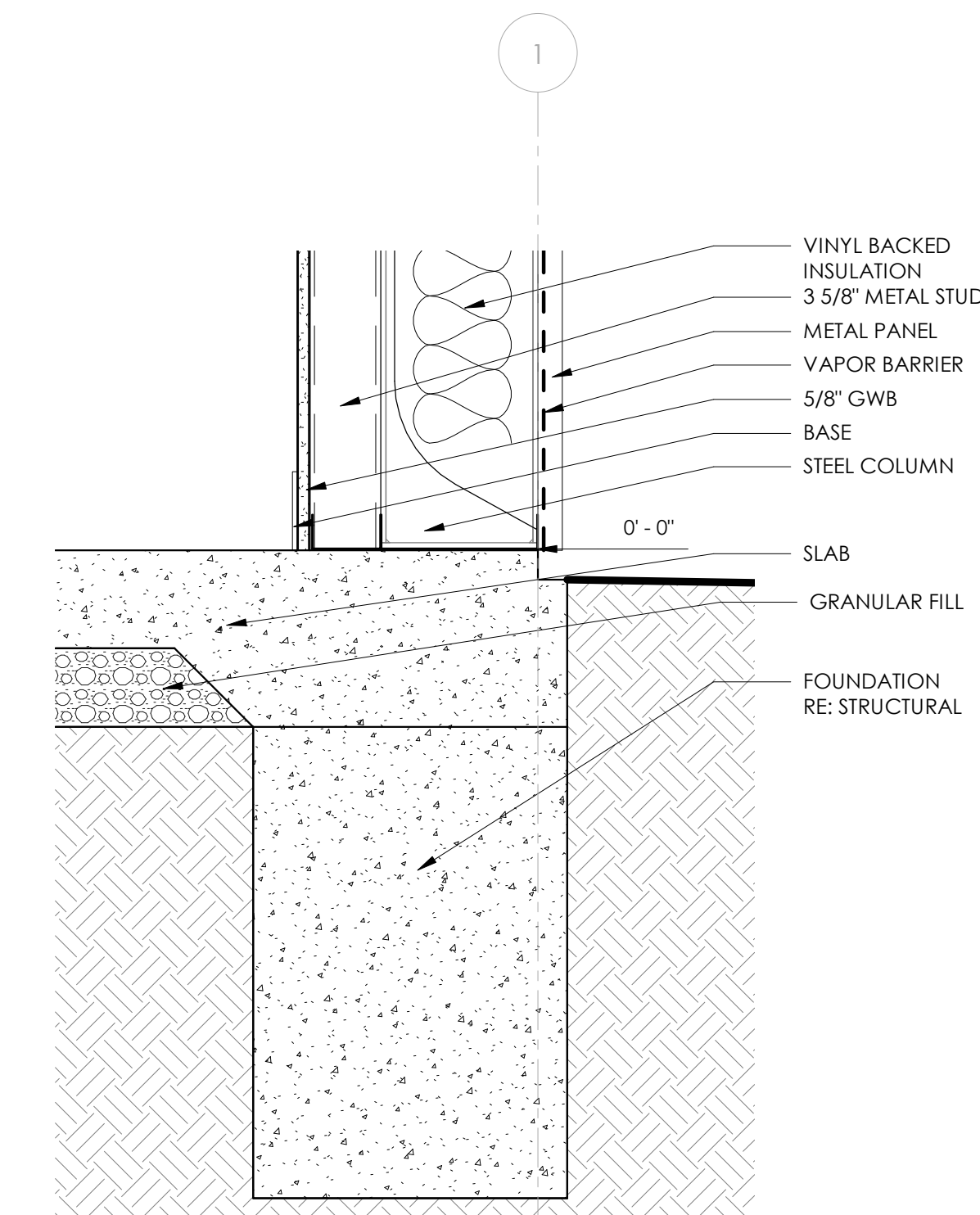
3 WAINSCOTT DETAIL
1 1/2" = 1'-0"



4 ENLARGED CANOPY CONNECTION
1 1/2" = 1'-0"



5 ENLARGED CANOPY FRONT DETAIL
1 1/2" = 1'-0"



6 METAL PANEL DETAIL
1 1/2" = 1'-0"



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
DESIGN DEVELOPMENT
DATE:
ISSUE DATE HERE
DRAWN BY:
Author
CHECKED BY:
Checker
SHEET TITLE:

EXTERIOR BUILDING DETAILS

A511

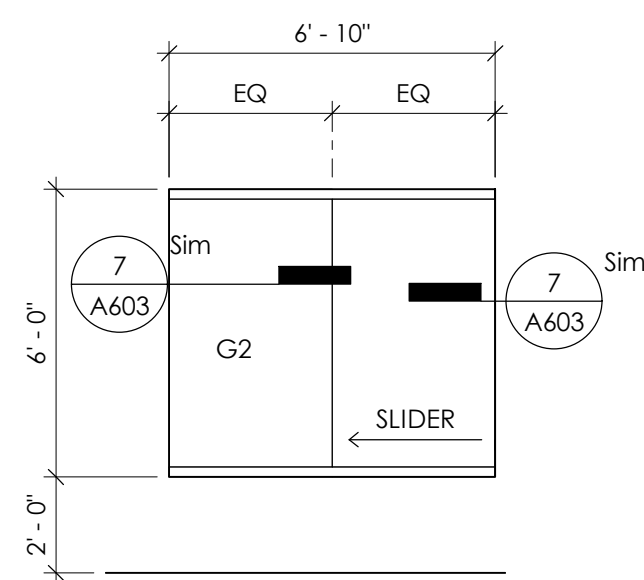
Autodesk Docs://Kiowa Casino/Kiowa Casino.sht/1/1

DOOR SCHEDULE										
#	DOOR				FRAME		HARDWARE SET	NOTES		
	WIDTH	HEIGHT	FINISH	MATERIAL	TYPE	FINISH				
101A	9'-8 1/2"	7'-8"	AL/GLASS	AL	AL	AL	18.0	EXT SLIDING AUTOMATIC		
101C	9'-8 1/2"	7'-8"	AL/GLASS	AL	AL	AL	18.0	SLIDING AUTOMATIC DOOR		
104	3'-0"	7'-0"	-	-	HM	-	19.0	CASED OPENING		
105	3'-0"	7'-0"	PT-1	WD	HM	PT-1	13.0			
106	3'-0"	7'-0"	-	-	HM	-	19.0	CASED OPENING		
107	3'-0"	7'-0"	PT-1	WD	HM	PT-1	15.0			
108	3'-0"	7'-0"	PT-1	WD	HM	PT-1	15.0			
112	6'-0"	7'-0"	PT-1	WD	HM	PT-1	9.0			
113A	6'-0"	7'-0"	PT-3	HM	HM	PT-3	9.0			
113B	6'-0"	7'-0"	PT-1	WD	HM	PT-1	9.0	DOUBLE ACTING BI SWING DOOR		
113C	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
115	6'-0"	7'-0"	PT-3	HM	HM	PT-3	13.0			
116	3'-0"	7'-0"	PT-3	WD	HM	PT-3	13.0			
121	3'-0"	7'-0"	PT-3	HM	HM	PT-3	14.0			
122A	6'-0"	7'-0"	PT-3	HM	HM	PT-3	6.0	CR		
122B	6'-0"	7'-0"	PT-3	HM	HM	PT-3	9.0			
123A	10'-0"	11'-8"	-	HM	HM	HM	17.0	EXT OCD		
123B	6'-0"	7'-0"	-	-	HM	HM	2.0	EXT CR		
124	6'-0"	7'-0"	-	-	HM	HM	2.0	EXT CR		
124B	3'-0"	7'-0"	PT-3	HM	HM	PT-3	11.0	CR		
125	3'-0"	7'-0"	PT-3	WD	HM	PT-3	16.0			
126	3'-0"	7'-0"	PT-3	WD	HM	PT-3	16.0			
131	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
132A	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
132B	3'-0"	7'-0"	-	-	HM	HM	4.0	EXT CR		
133	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
135	3'-6"	7'-0"	PT-3	HM	HM	PT-3	10.0	MAN TRAP CR		
136	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
137A	6'-0"	8'-0"	-	HM	HM	HM	17.0	INT OHD CR		
137B	3'-6"	7'-0"	PT-3	HM	HM	PT-3	10.0	MAN TRAP CR		
138	3'-6"	7'-0"	PT-3	HM	HM	PT-3	10.0	MAN TRAP CR		
139	3'-6"	7'-0"	PT-3	HM	HM	PT-3	10.0	MAN TRAP CR		
140	6'-0"	7'-0"	-	-	HM	-	3.0	EXT CR		
141	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
142	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
143	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
144	3'-0"	7'-0"	PT-3	WD	HM	PT-3	12.0			
145A	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
145B	3'-0"	7'-0"	PT-3	WD	HM	PT-3	12.0			
146	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
147	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
148	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
149	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
150A	3'-0"	7'-0"	PT-3	HM	HM	PT-3	12.0			
151	3'-0"	7'-0"	PT-3	WD	HM	PT-3	11.0	CR		
152	3'-0"	7'-0"	PT-3	WD	HM	PT-3	15.0			
156A	3'-0"	7'-0"	PT-1	WD	HM	PT-1	11.0	CR		
156B	6'-0"	7'-0"	-	-	HM	-	2.0	EXT CR		
157	3'-0"	7'-0"	PT-1	WD	HM	PT-1	11.0	CR		
161	6'-0"	8'-0"	-	AL	AL	HM	1.0	EXT SF ADA PEDESTAL		
162	3'-0"	7'-0"	-	-	-	-	-	-		
163	6'-0"	7'-0"	PT-1	WD	HM	PT-1	7.0	CR		
164	6'-8 1/2"	7'-0"	AL/GLASS	AL	AL	AL	18.0	EXT SLIDING AUTO CR		
165	7'-0"	7'-0"	PT-1	WD	HM	PT-1	8.0	CR		
167	4'-0"	7'-0"	-	HM	HM	-	5.0	EXT CR		
171	6'-0"	7'-0"	-	-	HM	-	3.0	EXT CR		

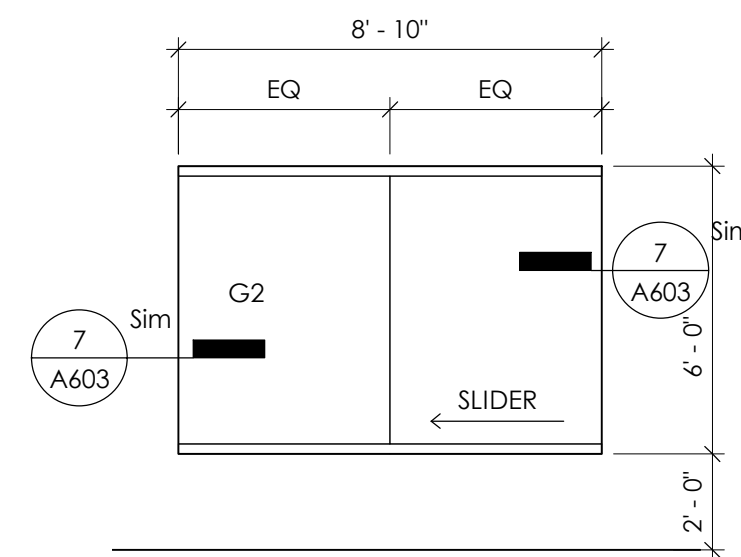
- NOTES:
- ALL HARDWARE TO BE ADA COMPLIANT WITH LEVER HARDWARE.
 - RE: FINISH LEGEND FOR DOOR AND FRAME FINISHES.
 - FINISHES NOT DESIGNATED ON DOORS AND FRAMES ARE TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
 - COORDINATE ELECTRIFIED HARDWARE WITH DOOR MANUFACTURER, HARDWARE MANUFACTURER, ELECTRICAL, LOW VOLTAGE, AND OWNER. REFERENCE FRAME TYPES AND SPECIFICATIONS.
 - ALL GLAZING IN DOORS TO BE 1/4" CLEAR TEMPERED GLASS. RE: SPECIFICATIONS.
 - COORDINATE WITH OWNER FOR KEYING.
 - PROVIDE INTERIOR THRESHOLDS UNLESS NOTED OTHERWISE. ALL EXTERIOR DOORS TO HAVE WEATHER STRIPPING.
 - REFERENCE ELECTRICAL FOR CARD READER LOCATIONS AND A000 SERIES SHEETS FOR MOUNTING HEIGHTS.

GLAZING LEGEND

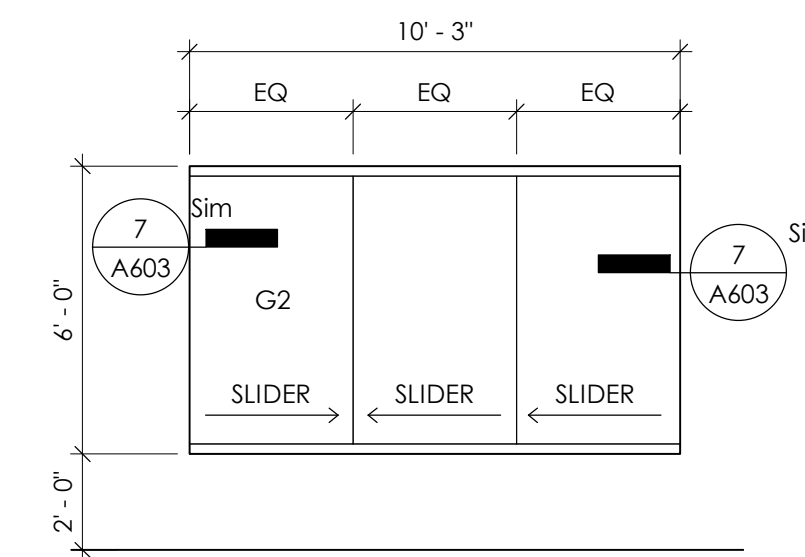
G1	EXTERIOR 1" DOUBLE PANED INSULATED CLEAR TEMPERED GLAZING
G2	INTERIOR 1/4" CLEAR TEMPERED GLAZING



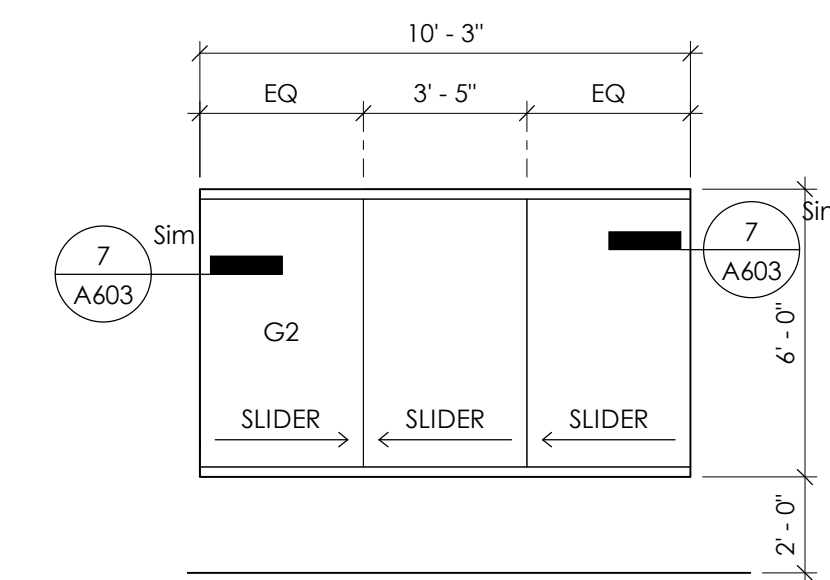
103.2 DISPLAY F
1/4" = 1'-0"



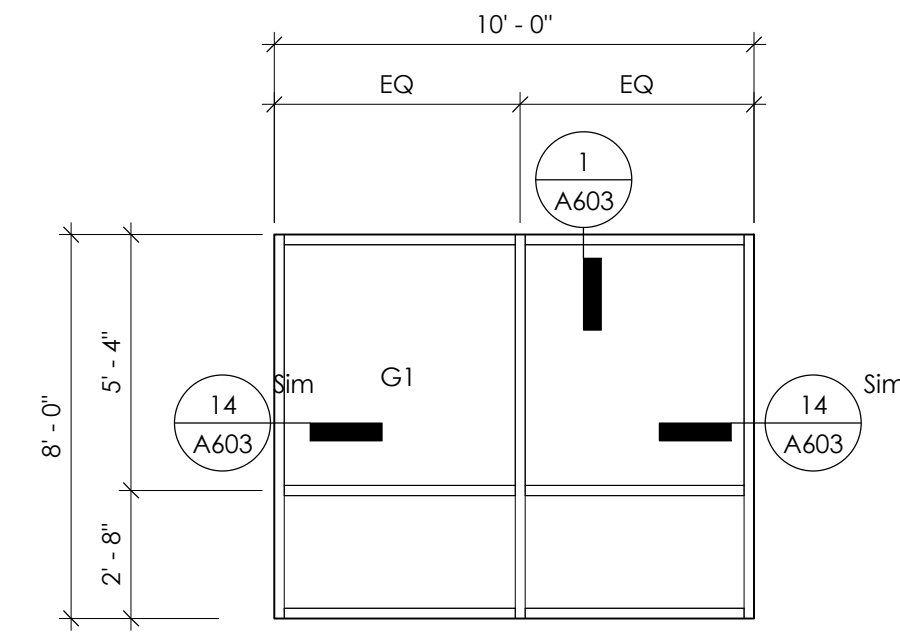
109 DISPLAY D
1/4" = 1'-0"



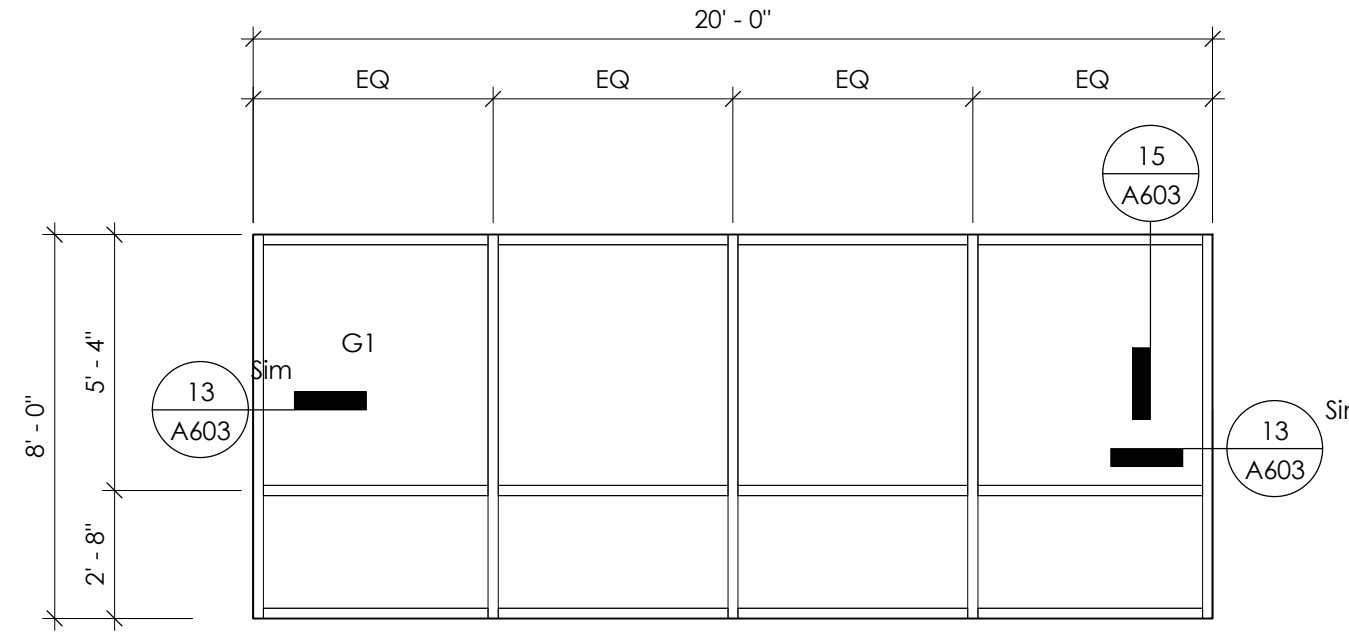
102 DISPLAY E
1/4" = 1'-0"



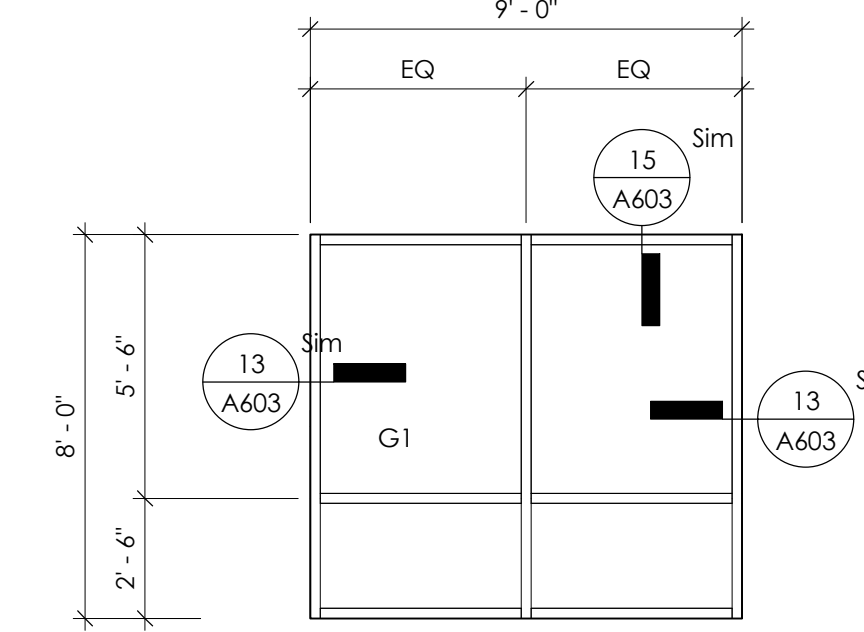
103.1 DISPLAY G
1/4" = 1'-0"



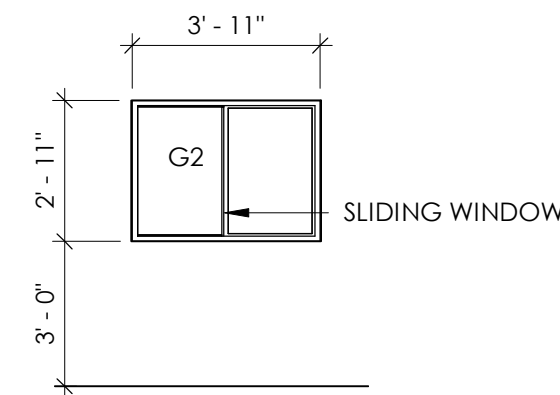
EXT FRAME TYPE A
1/4" = 1'-0"



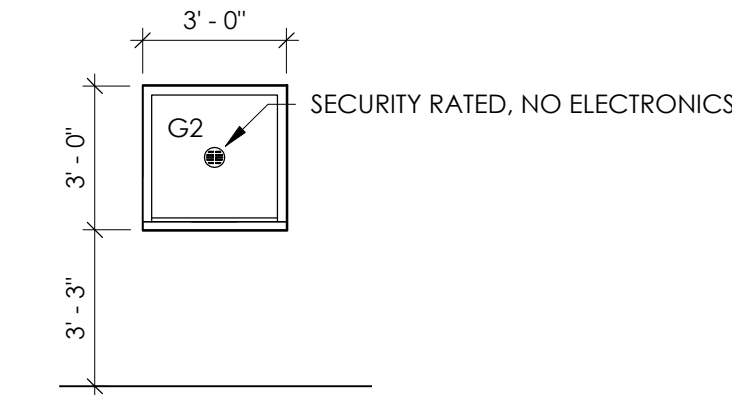
EXT FRAME TYPE B
1/4" = 1'-0"



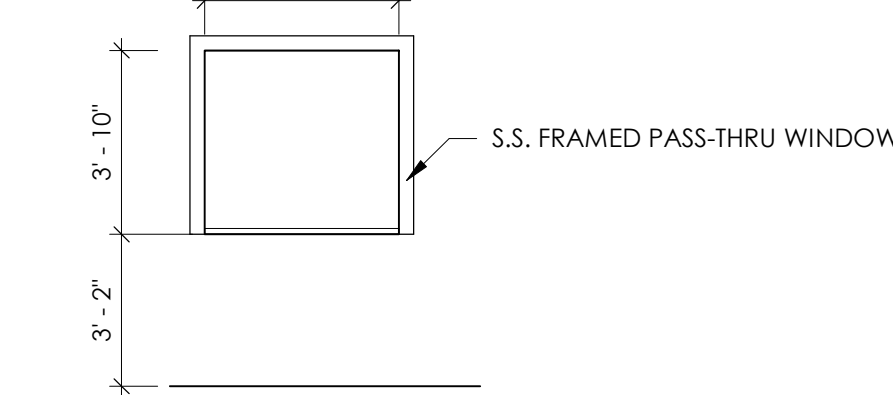
EXT FRAME TYPE C
1/4" = 1'-0"



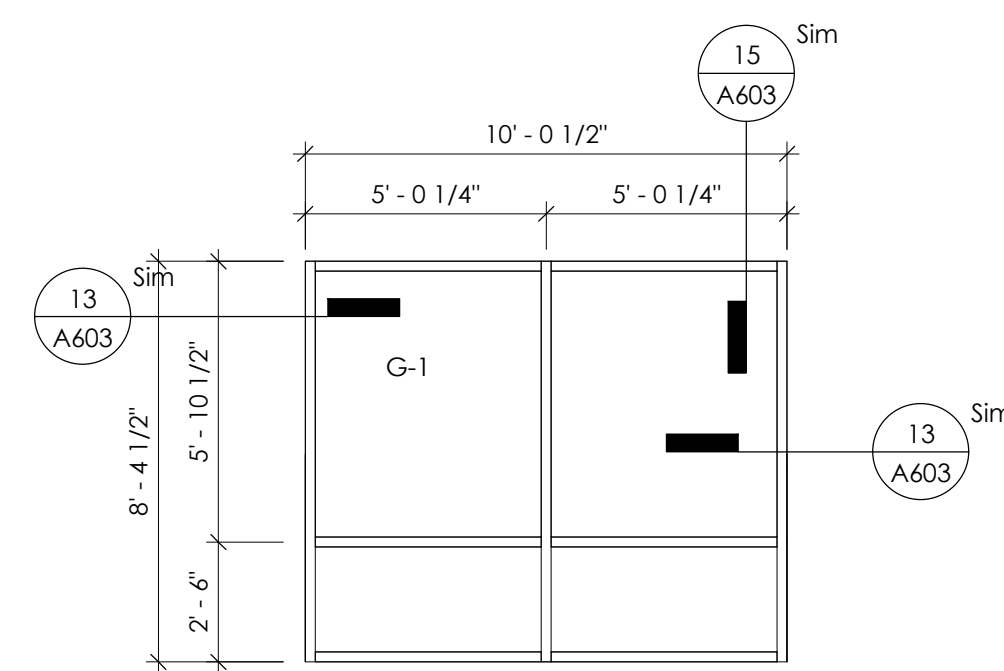
FRAME TYPE J (MAIN BANK)
1/4" = 1'-0"



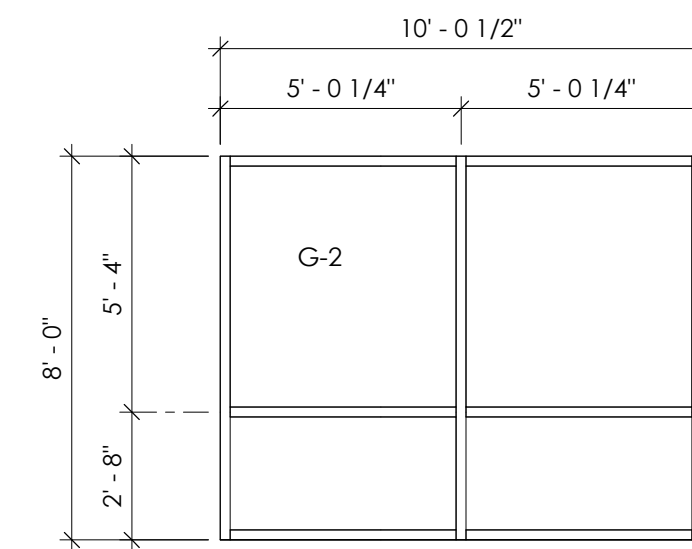
FRAME TYPE K (SECURITY)
1/4" = 1'-0"



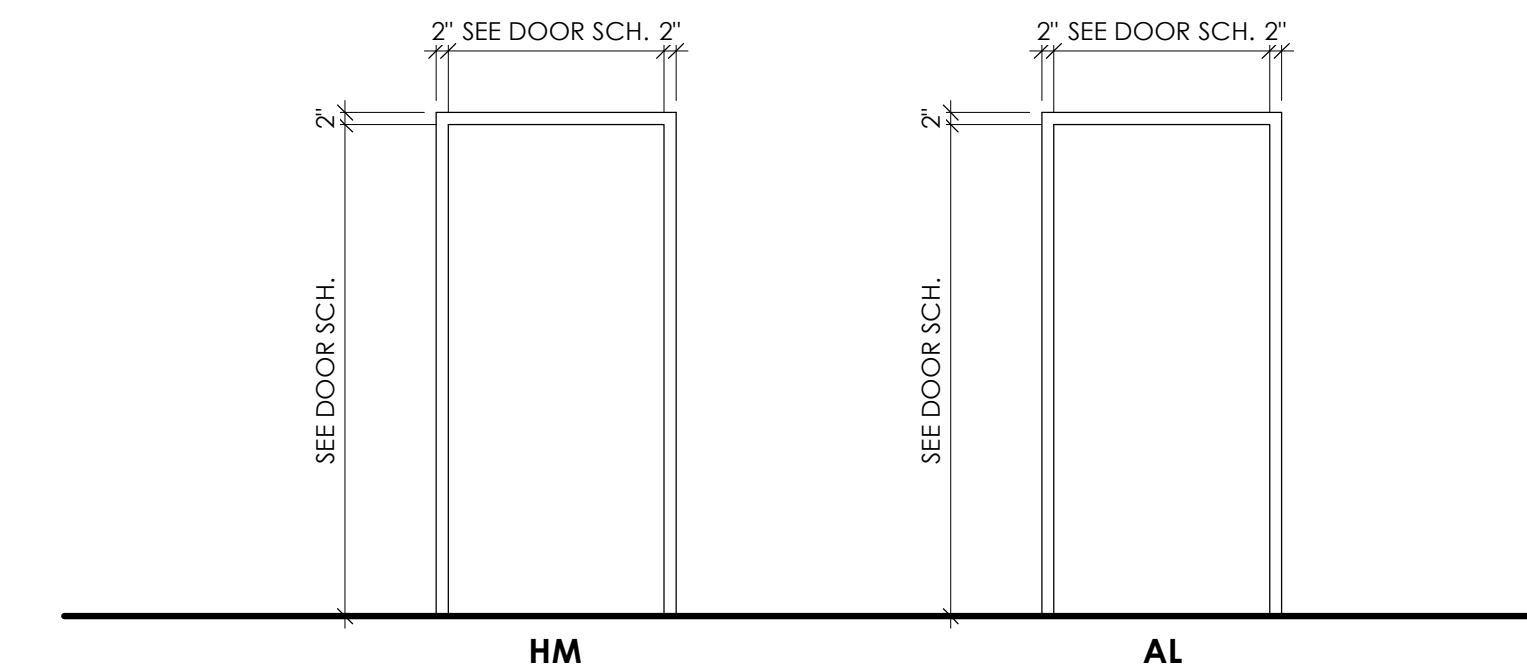
FRAME TYPE H (CAFE)
1/4" = 1'-0"



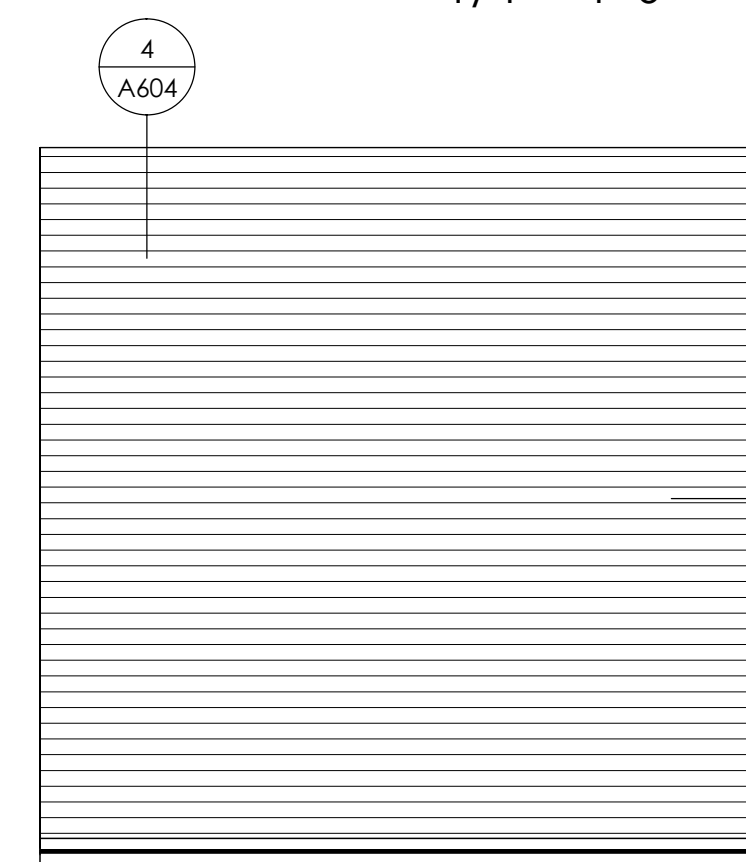
EXT FRAME TYPE M
1/4" = 1'-0"



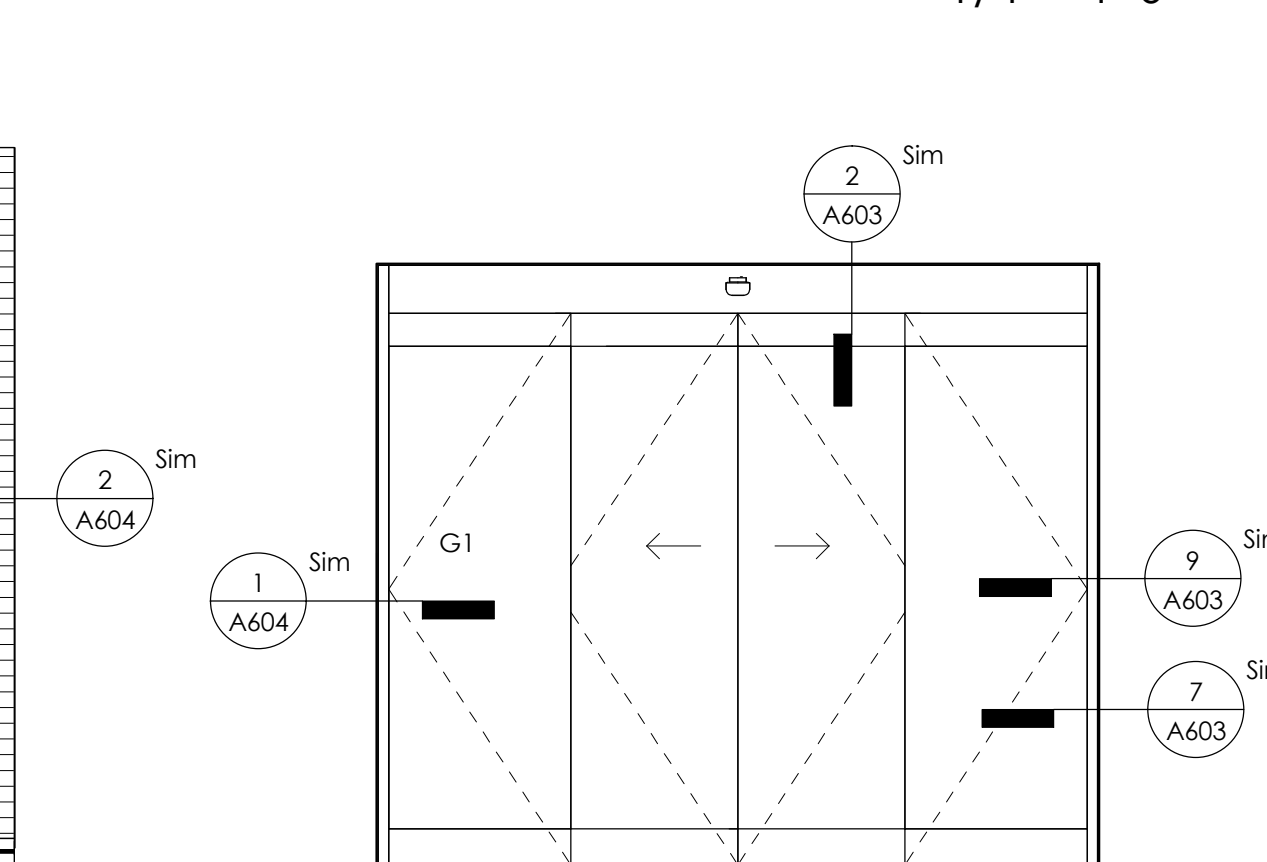
INT FRAME TYPE N (VESTIBULE)
1/4" = 1'-0"



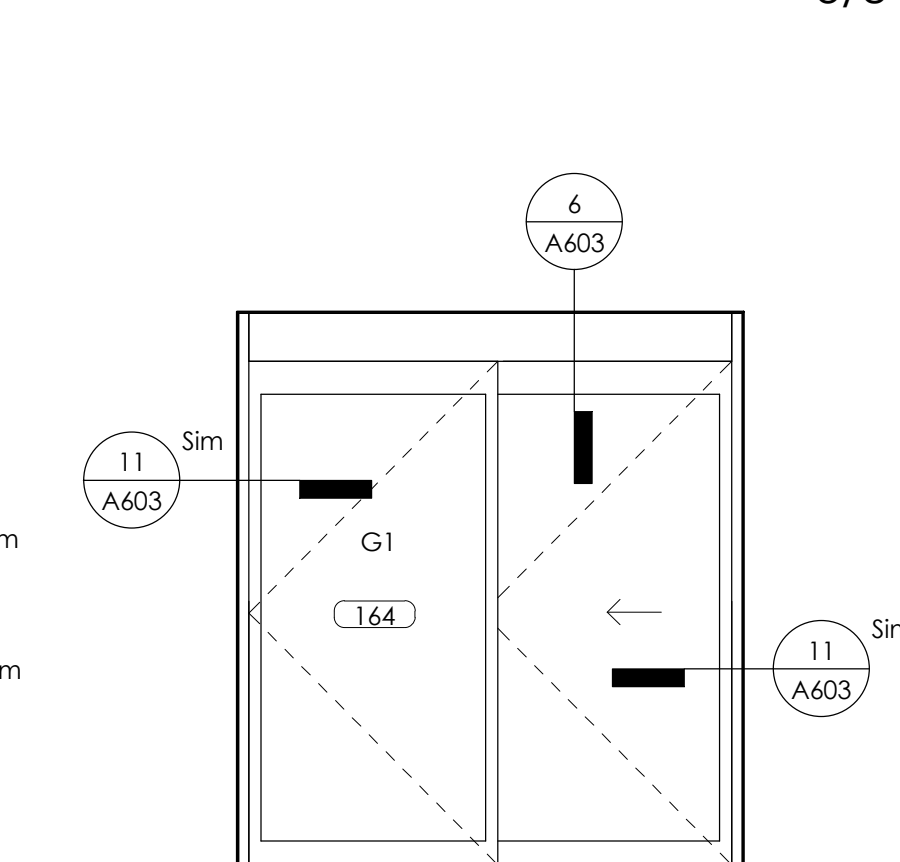
FRAME TYPES
3/8" = 1'-0"



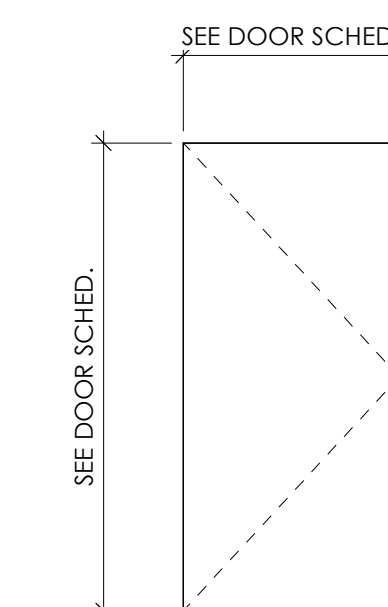
DOOR ELEVATIONS
3/8" = 1'-0"



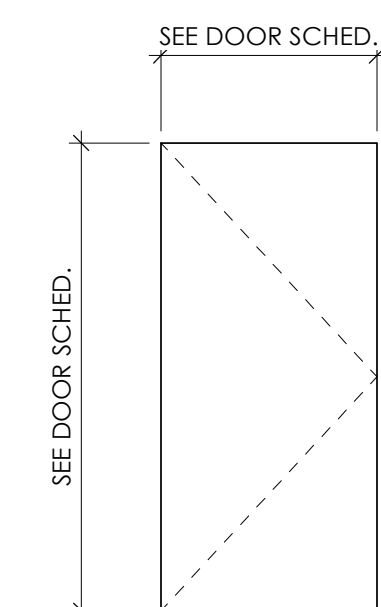
SD AUTOMATIC SLIDING DOOR



SD AUTOMATIC SLIDING DOOR



WD FLUSH WOOD DOOR

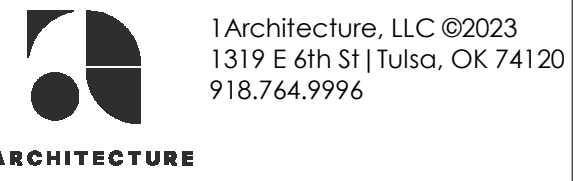


HM FLUSH HOLLOW METAL DOOR

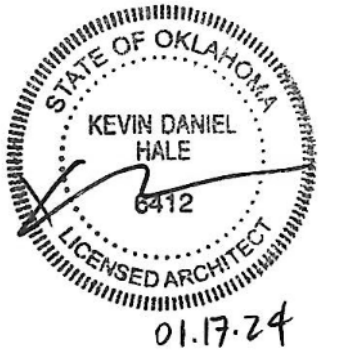
100'-0" LEVEL 1

MASS ARCHITECTS. BIG IDEAS.

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GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

PC

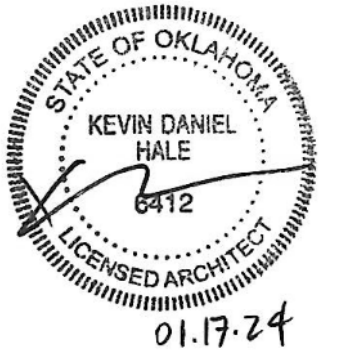
CHECKED BY:

KH / ND

SHEET TITLE:

**DOOR SCHEDULE,
DOOR TYPES AND
FRAME TYPES**

A601



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

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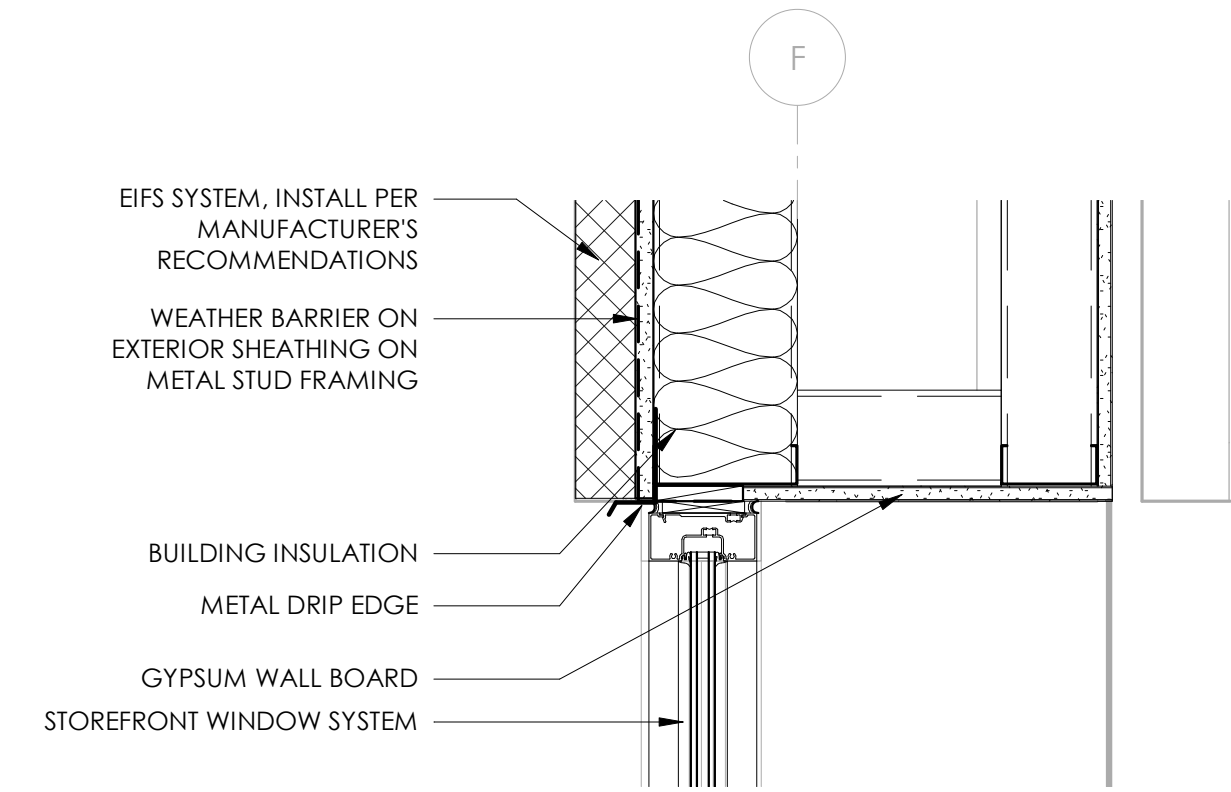
CHECKED BY:

ND

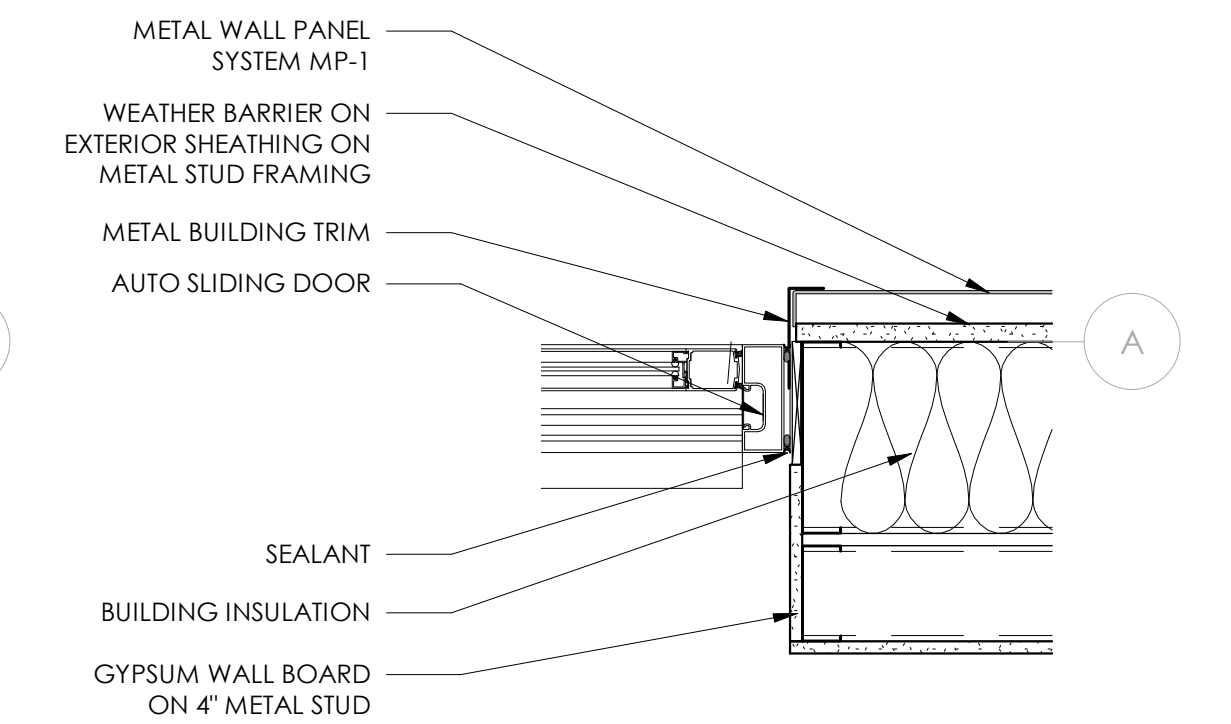
SHEET TITLE:

PLAN AND FRAME TYPE
DETAILS

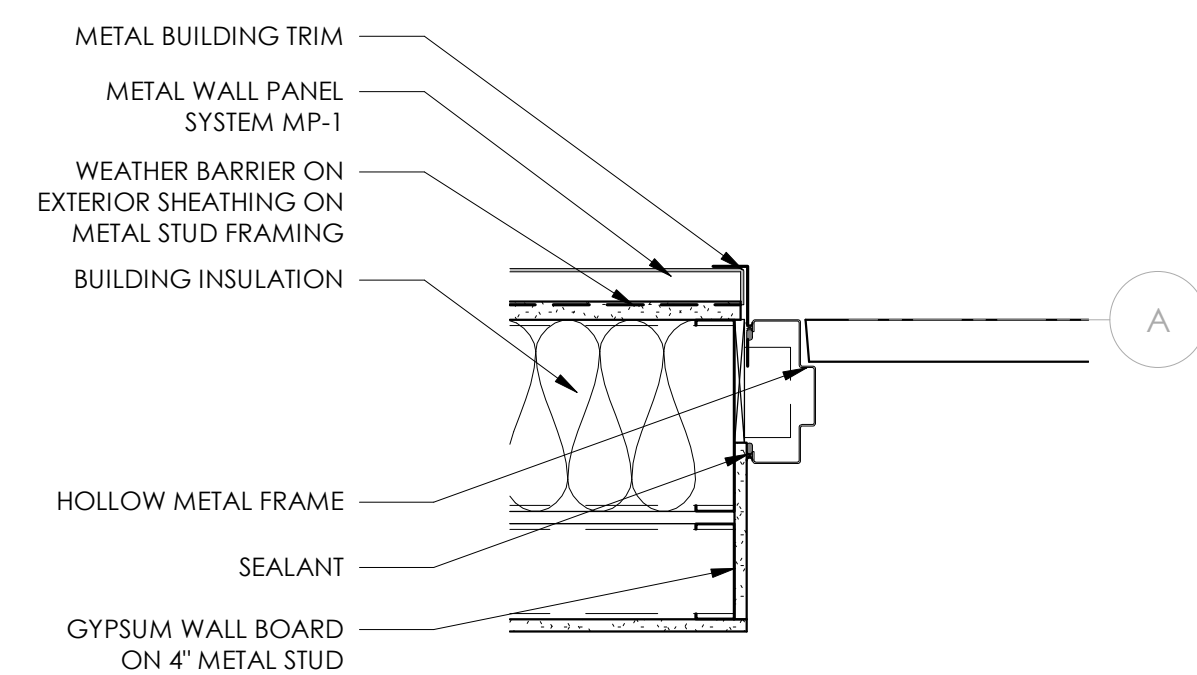
A603



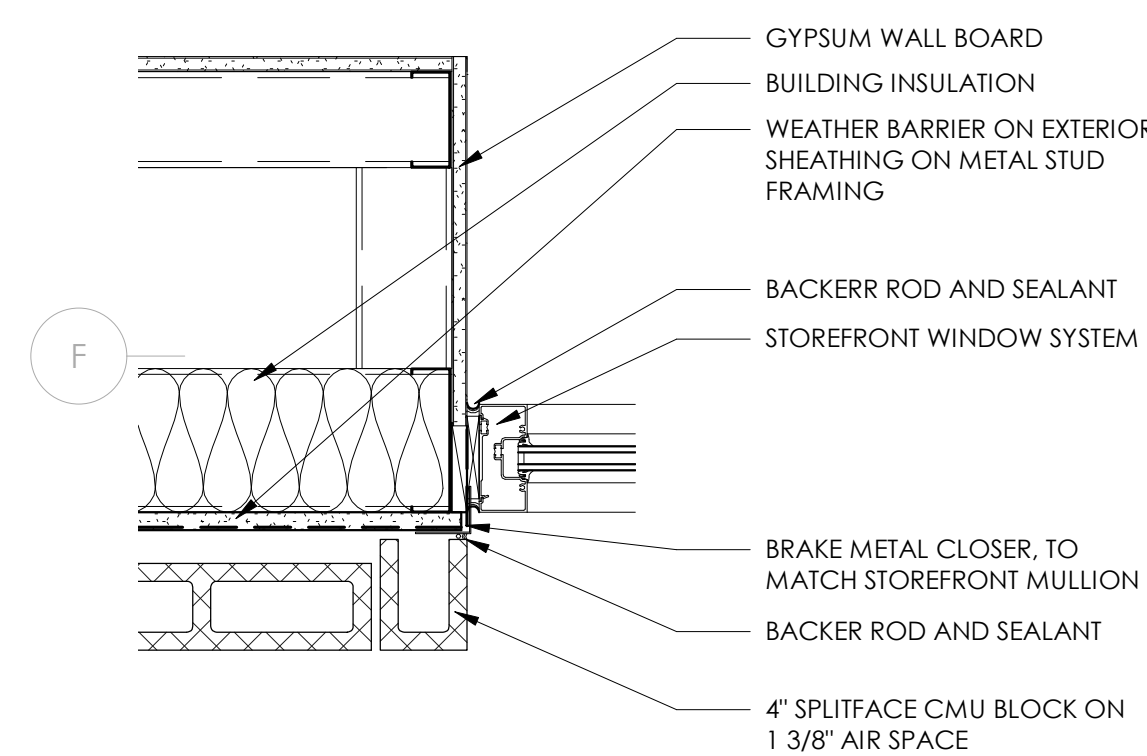
15 STOREFRONT HEAD AT EIFS
1 1/2" = 1'-0"



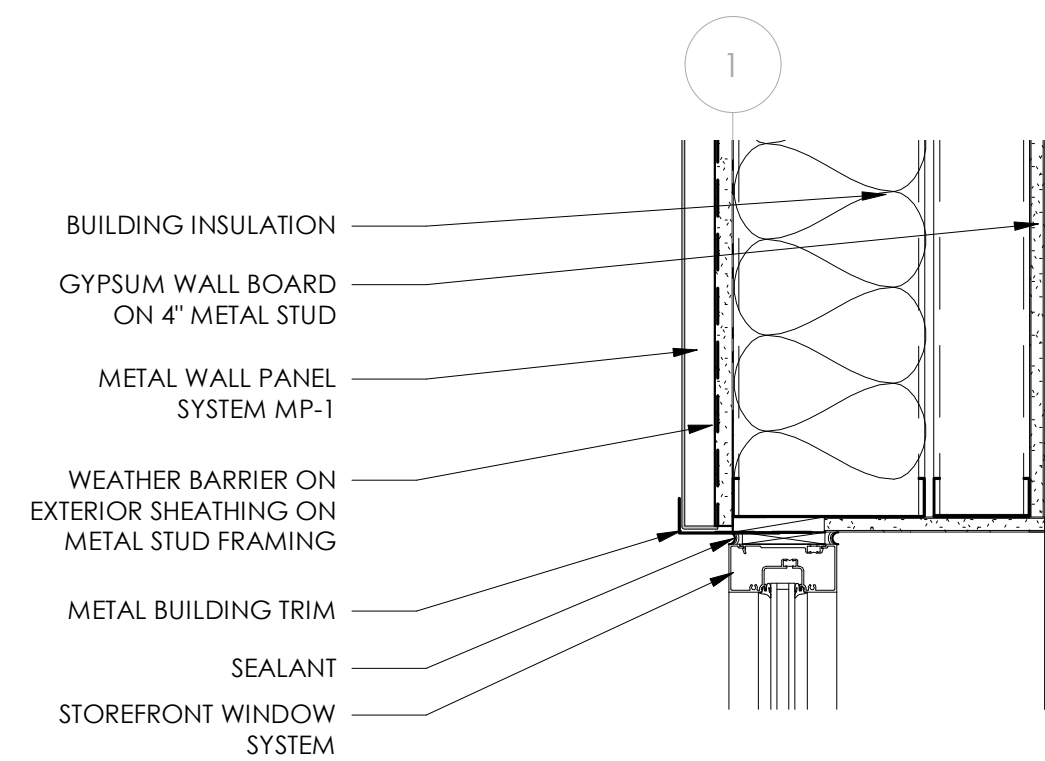
11 AUTO SLIDING JAMB AT PANEL
1 1/2" = 1'-0"



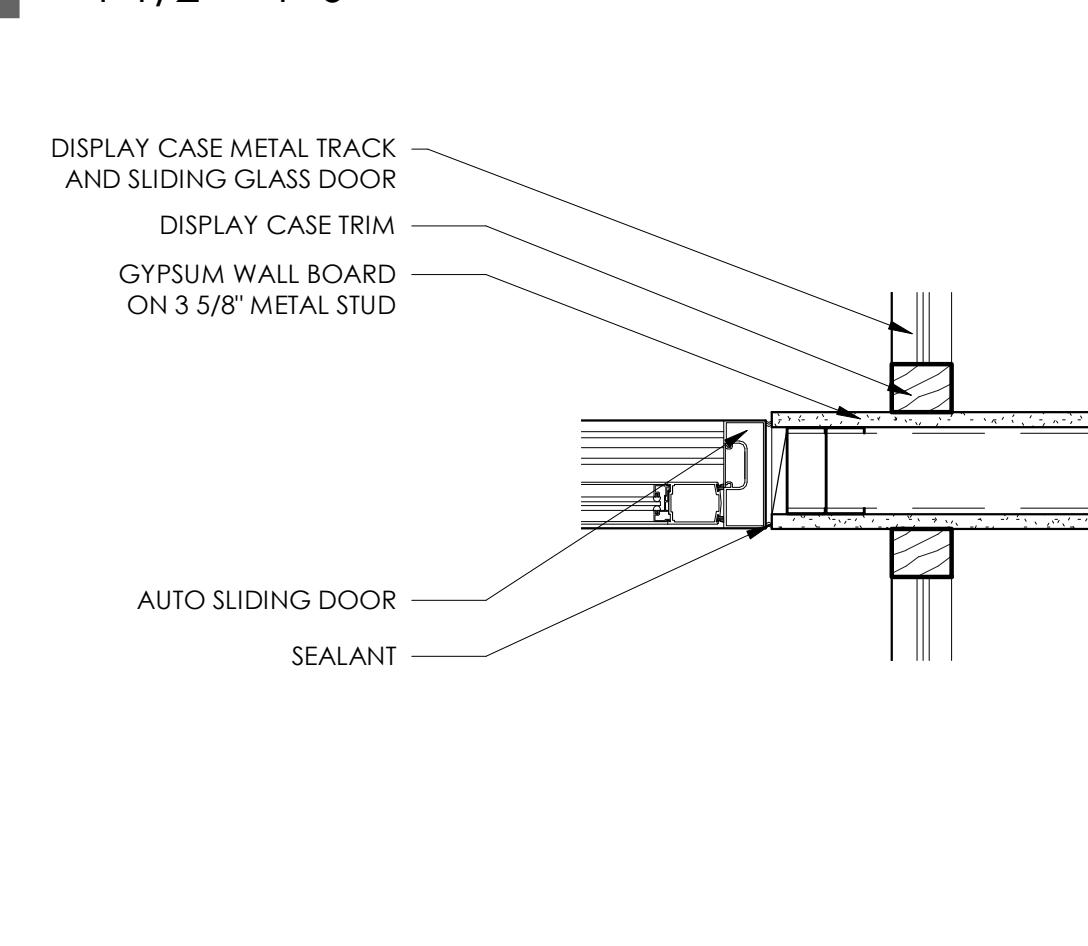
12 H.M. JAMB AT PANEL
1 1/2" = 1'-0"



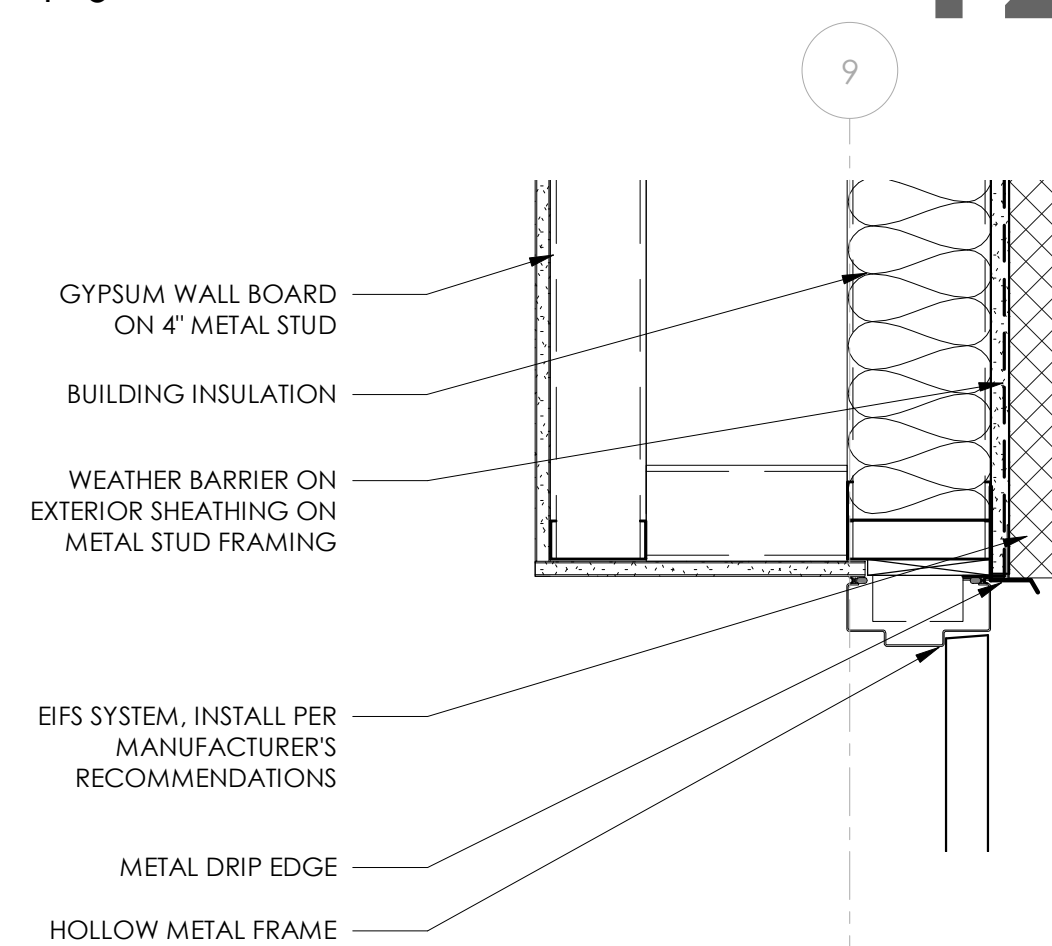
13 STOREFRONT JAMB AT CMU
1 1/2" = 1'-0"



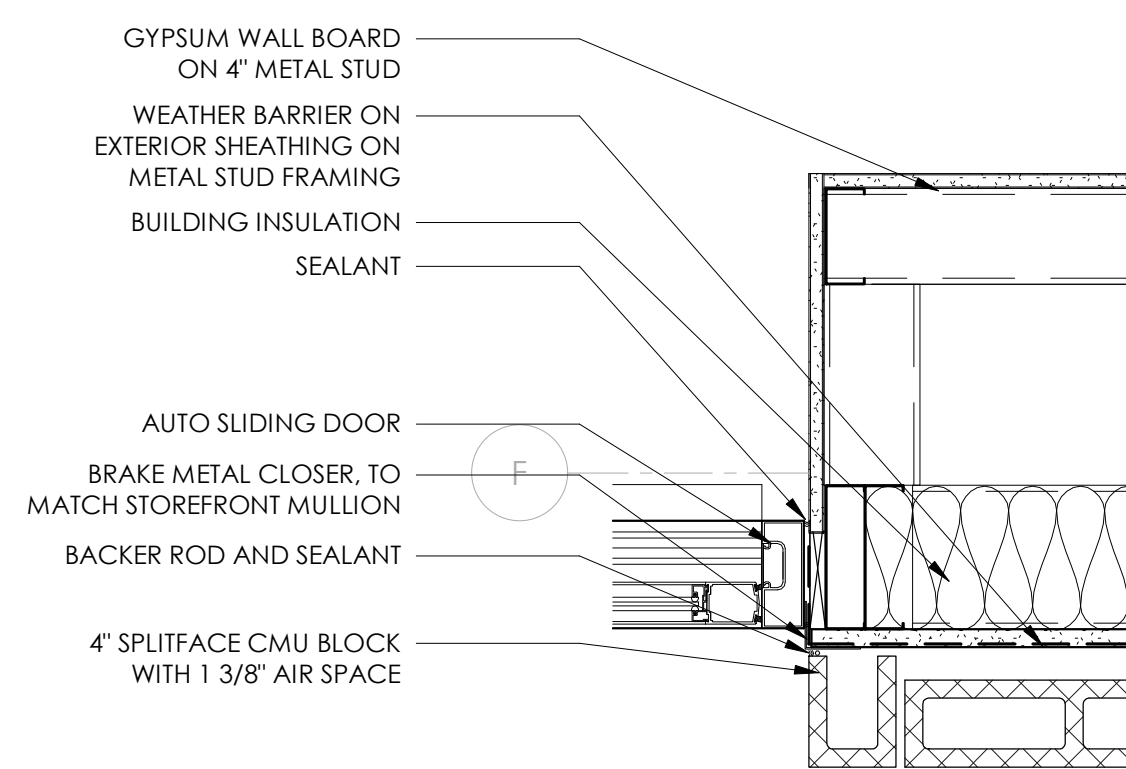
14 STOREFRONT JAMB AT PANEL
1 1/2" = 1'-0"



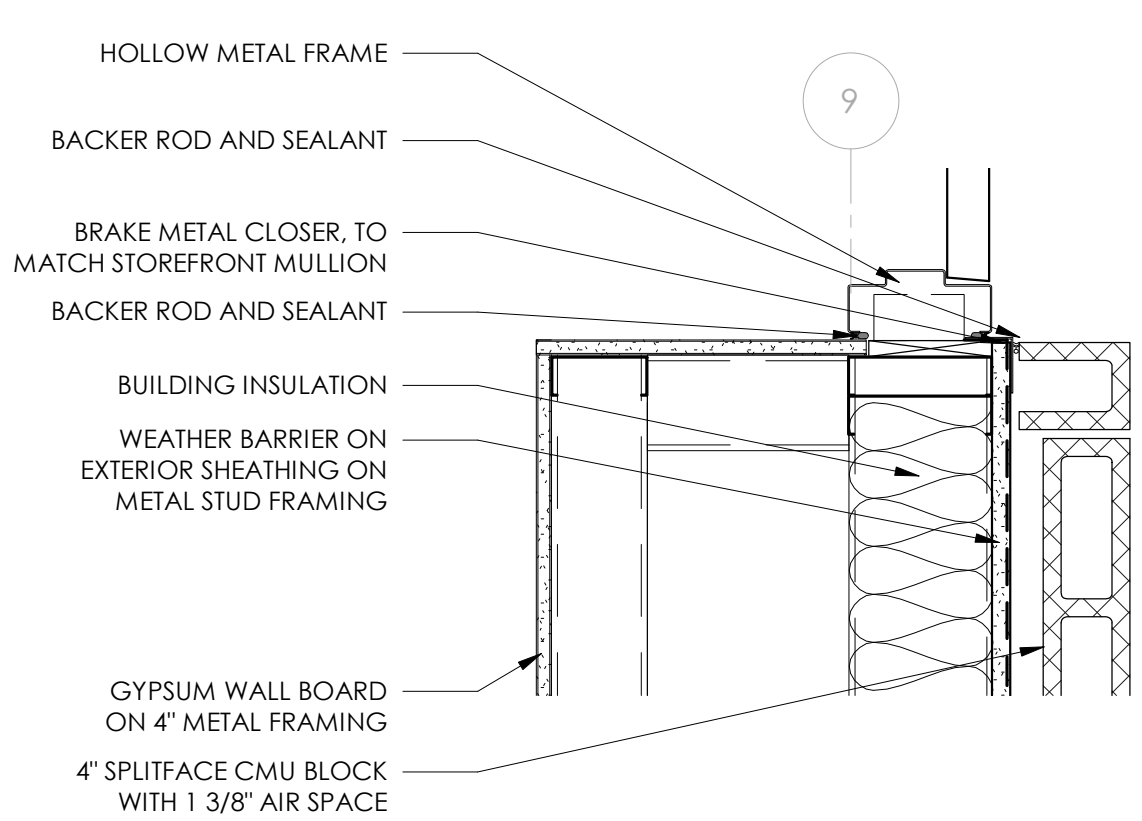
7 AUTO SLIDING DOOR INT. JAMB
1 1/2" = 1'-0"



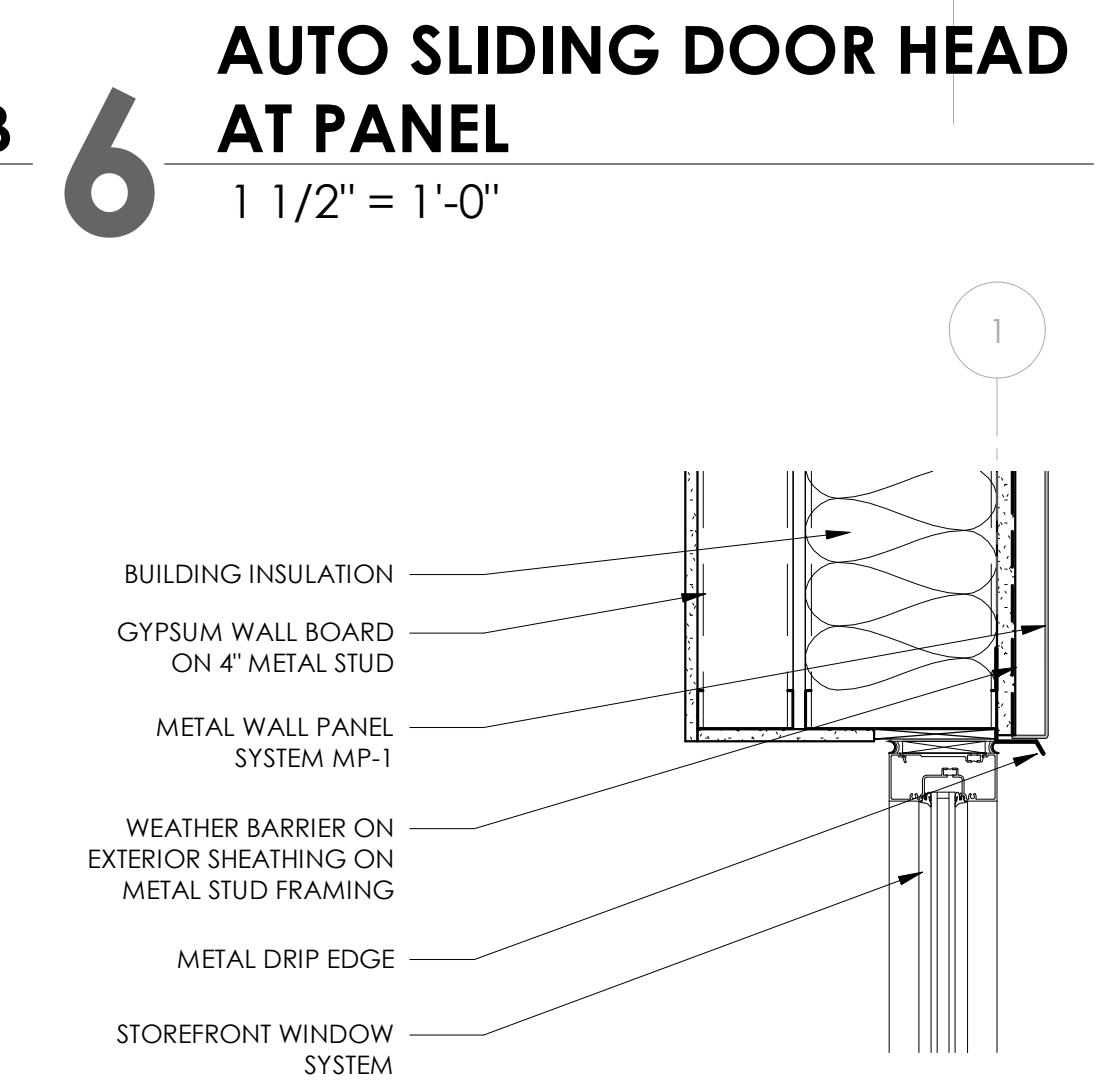
8 H.M. HEAD AT EIFS
1 1/2" = 1'-0"



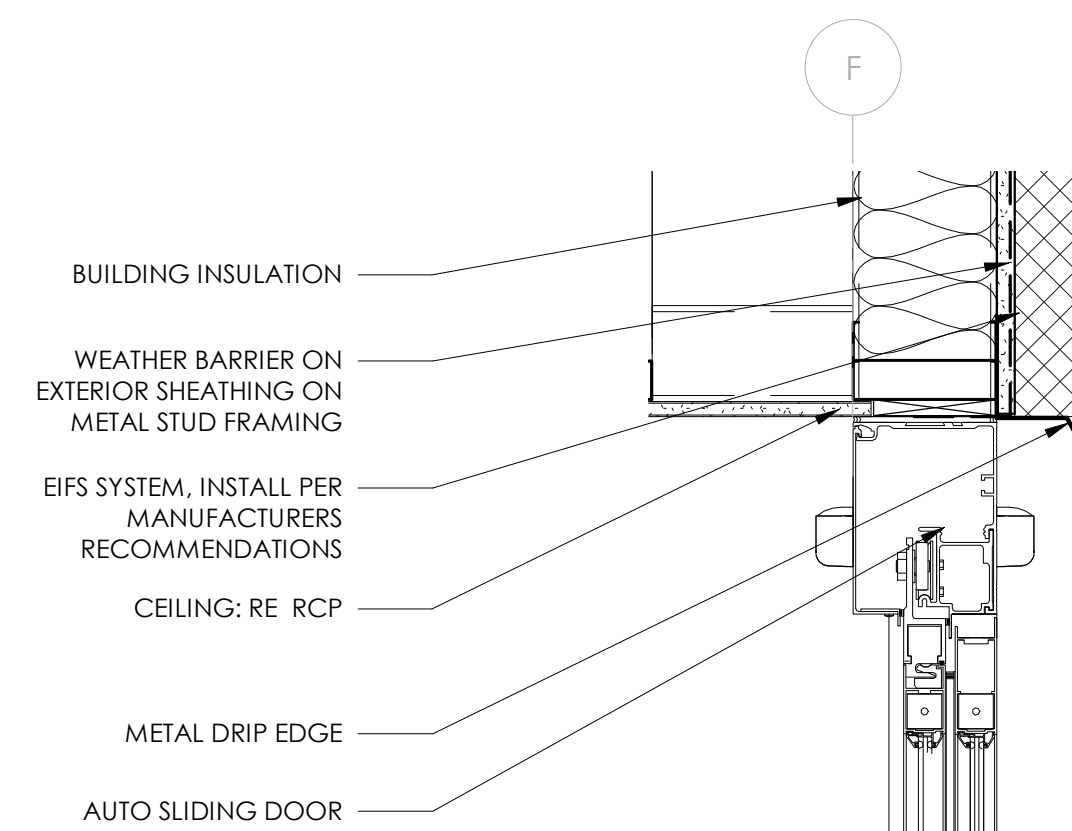
9 EXTERIOR AUTO SLIDING JAMB AT CMU
1 1/2" = 1'-0"



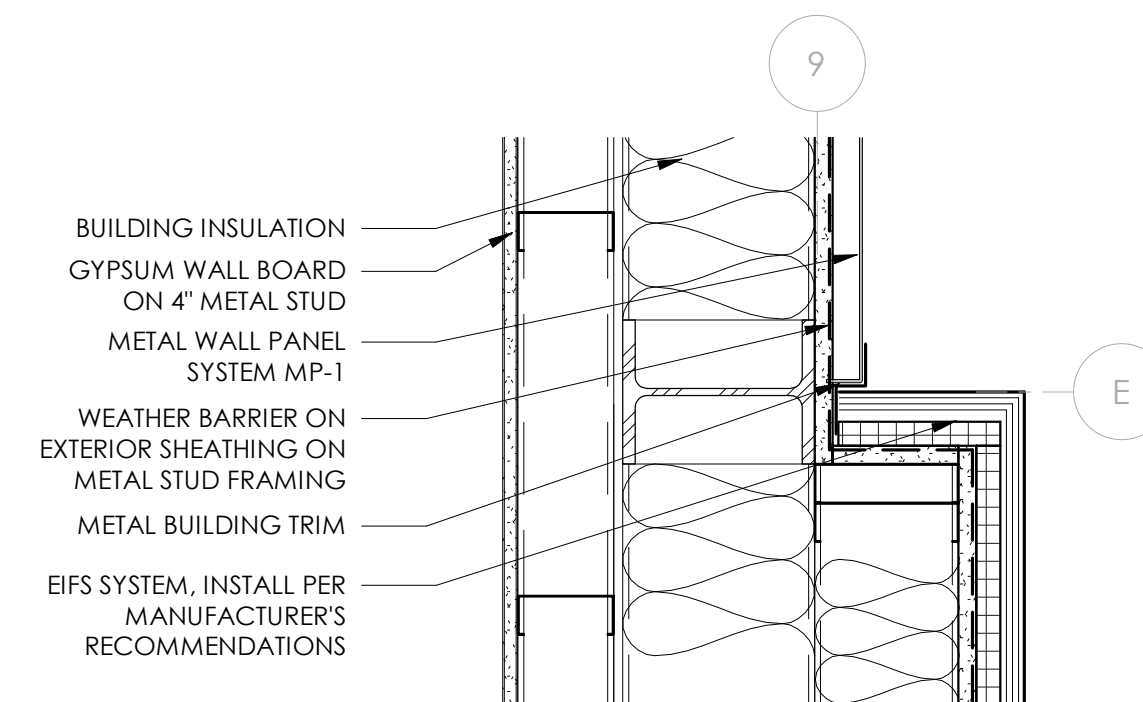
10 H.M. JAMB AT CMU
1 1/2" = 1'-0"



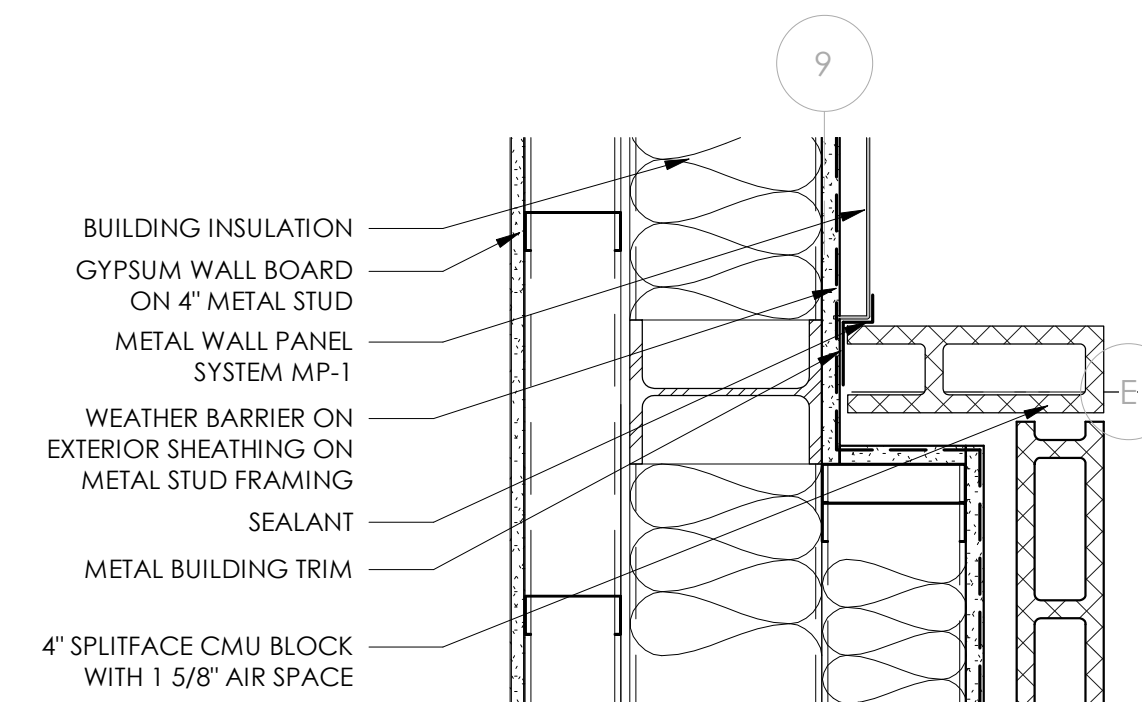
6 AUTO SLIDING DOOR HEAD AT PANEL
1 1/2" = 1'-0"



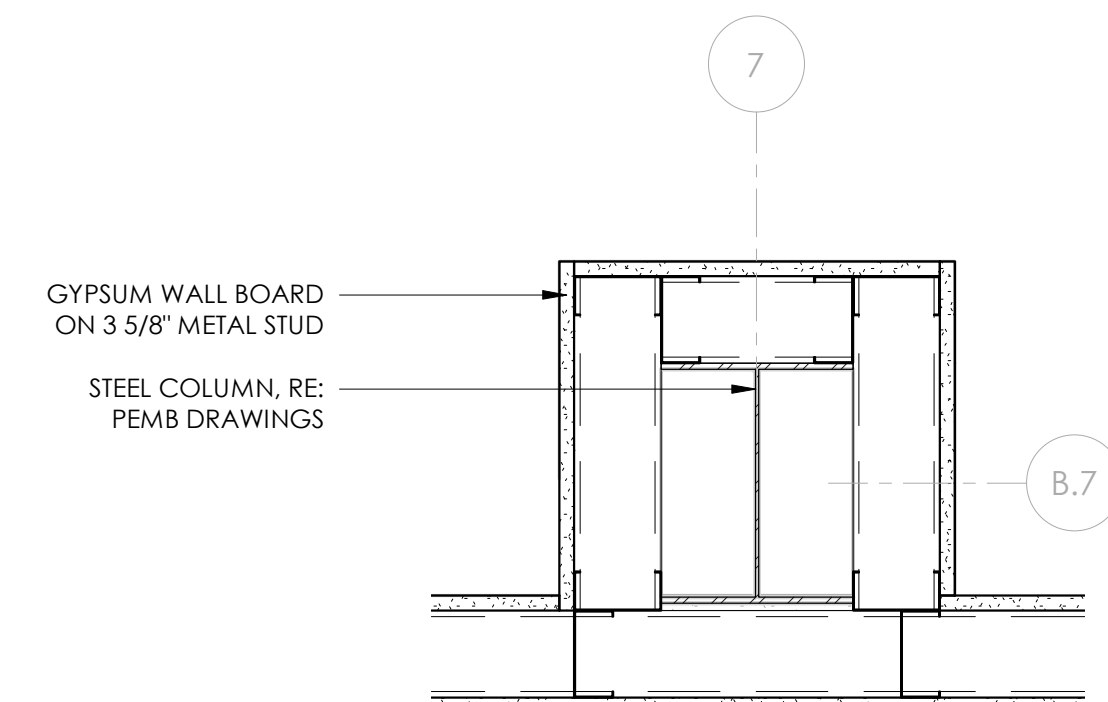
2 AUTO SLIDING EXTERIOR HEAD
1 1/2" = 1'-0"



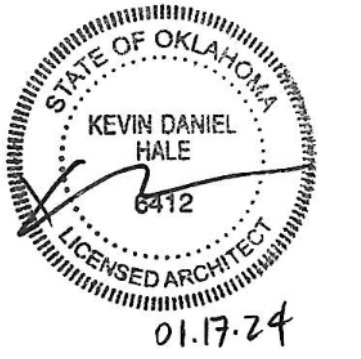
3 EIFS TO PANEL PLAN DETAIL
1 1/2" = 1'-0"



4 CMU TO PANEL PLAN DETAIL
1 1/2" = 1'-0"



5 INTERIOR COLUMN SURROUND
1 1/2" = 1'-0"



DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

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2109-031

ISSUE:
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DATE:
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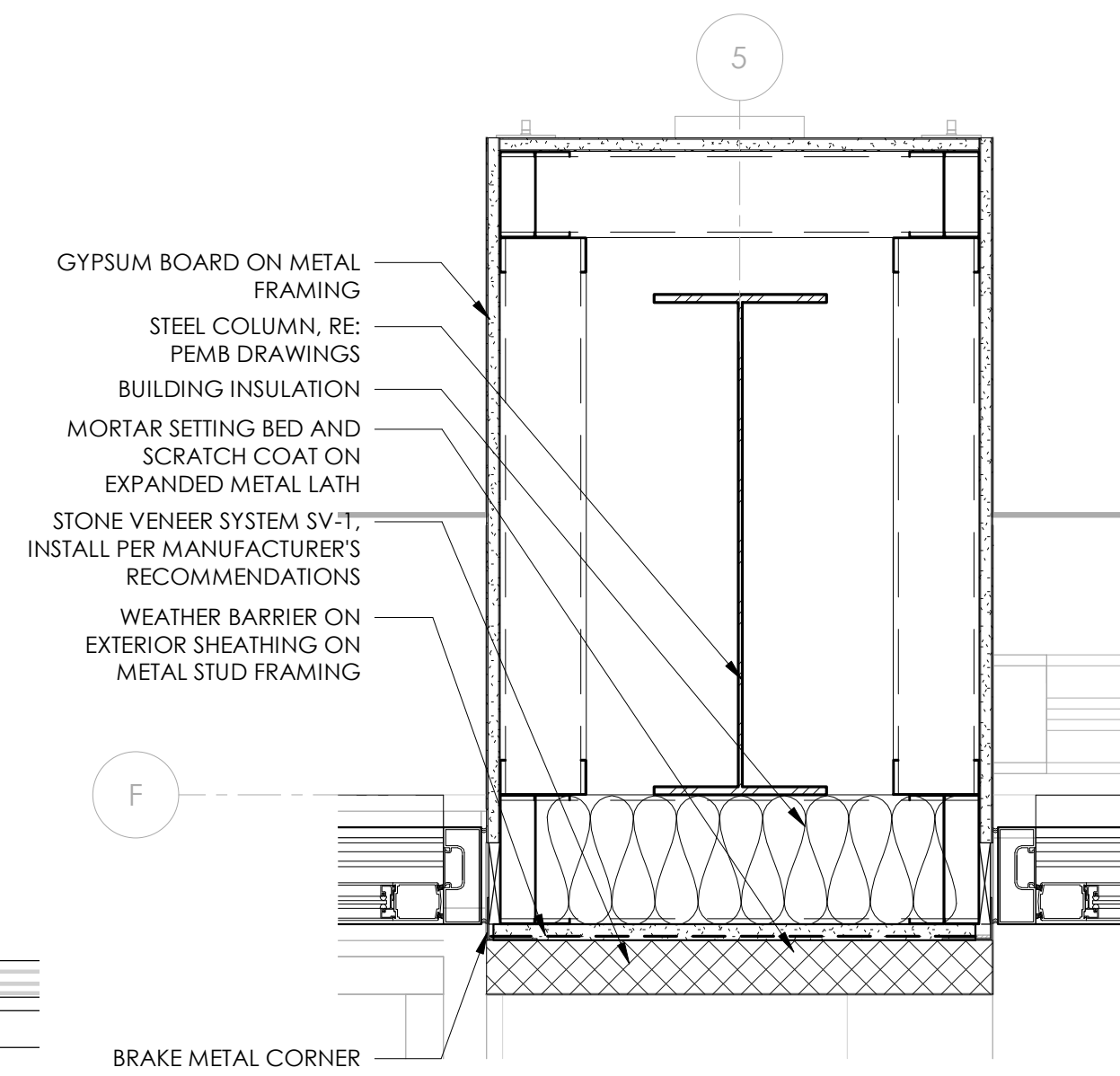
DRAWN BY:
PC

CHECKED BY:
ND

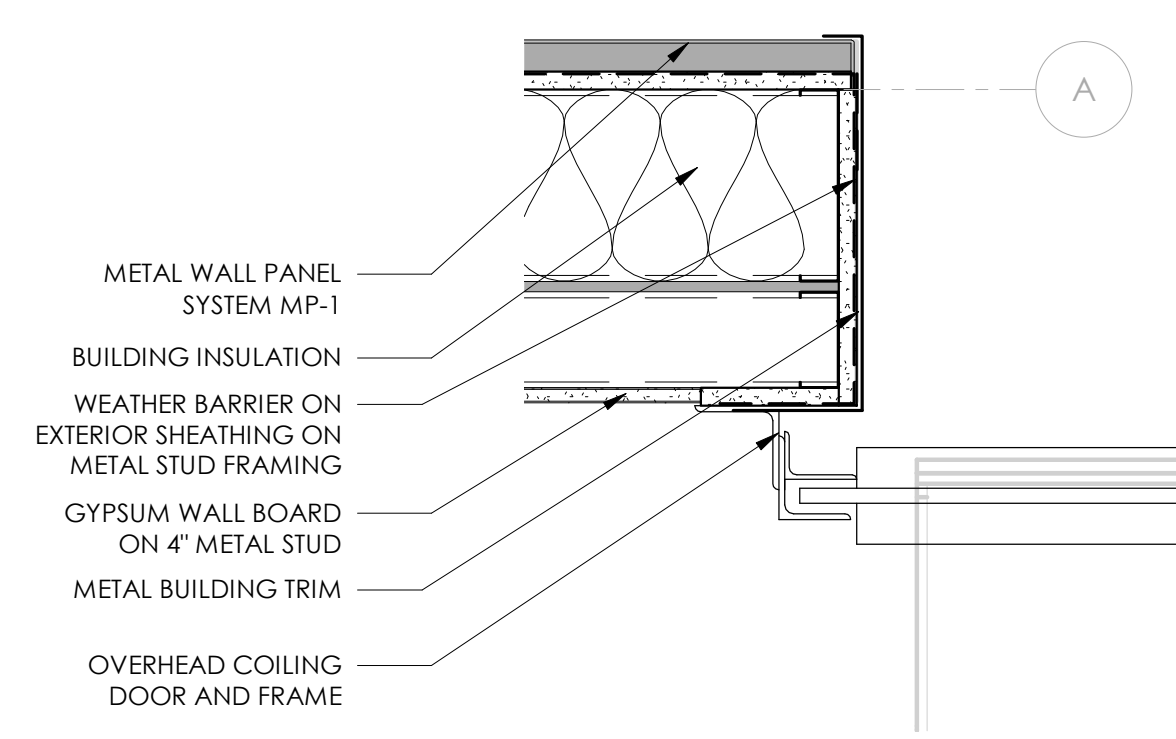
SHEET TITLE:

PLAN AND FRAME TYPE
DETAILS

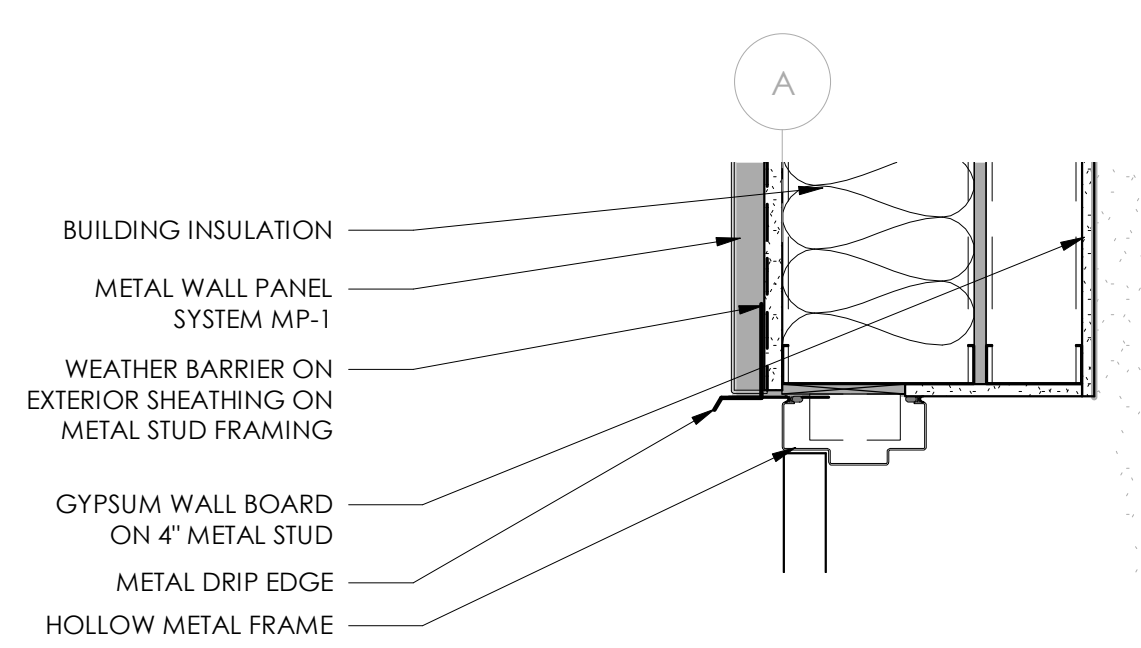
A604



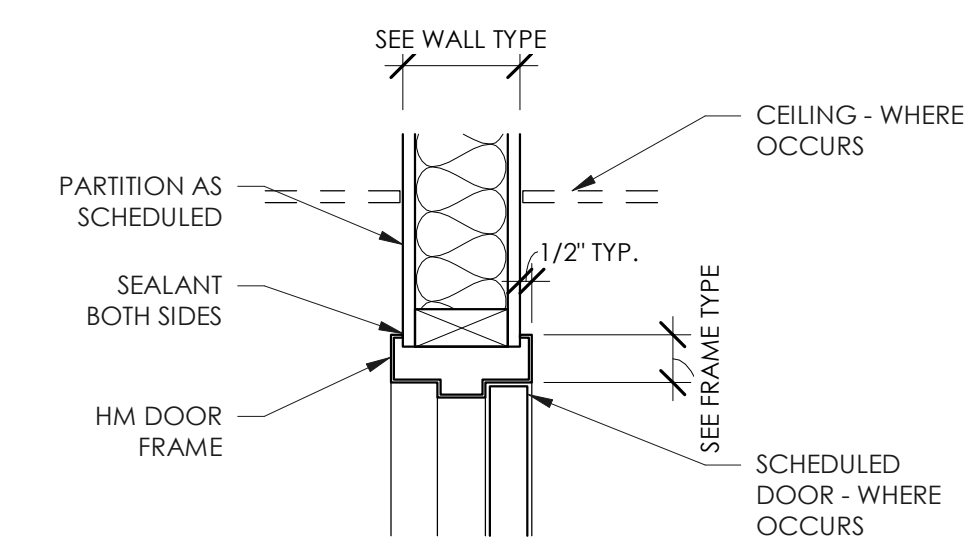
1 JAMB AT AUTO SLIDING DOOR
1 1/2" = 1'-0"



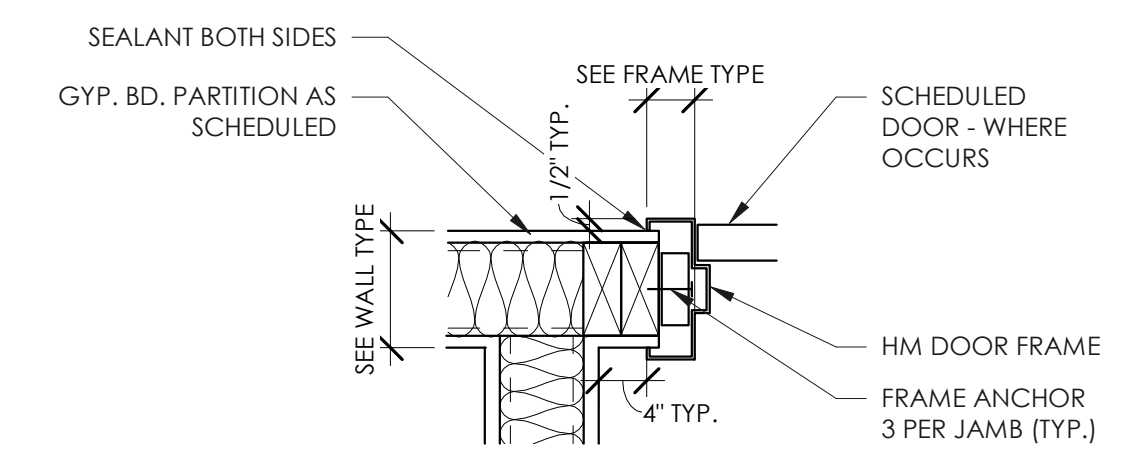
2 COILING OHD JAMB
1 1/2" = 1'-0"



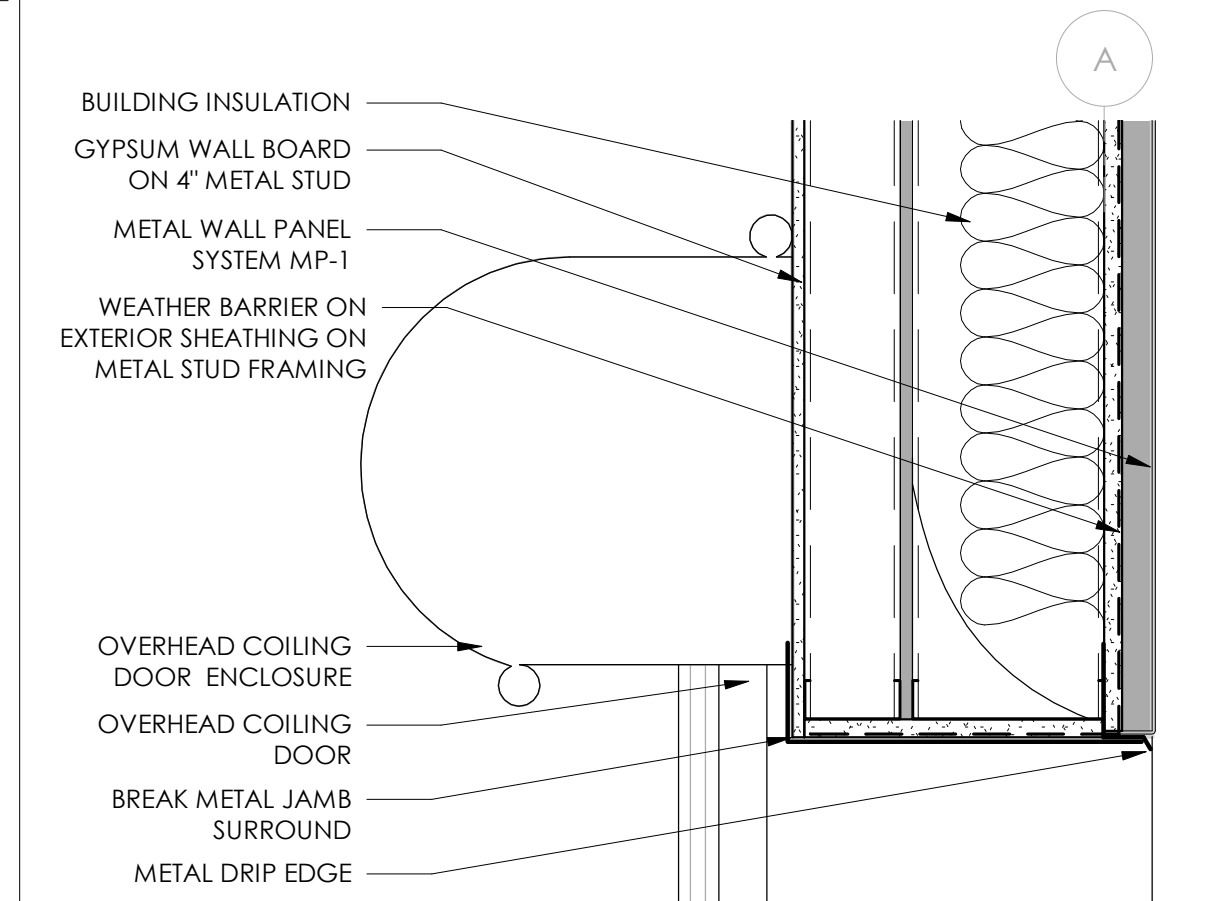
3 H.M. HEAD AT PANEL
1 1/2" = 1'-0"



9 INTERIOR HM FRAME - HEAD
1 1/2" = 1'-0"



10 INTERIOR HM FRAME - JAMB
1 1/2" = 1'-0"



4 COILING OHD HEAD
1 1/2" = 1'-0"

Autodesk Docs/Kiowa Casino/2109-031_Kiowa Casino Interior.rvt

INTERIOR FINISH LEGEND:

CARPET

CPT-1 CARPET TILE
MFR: INTERFACE
STYLE: DRIFTWOOD
COLOR: 104859 SWEETGUM
SIZE: 25CM X 1M (ASHLAR)

CPT-2 CARPET TILE
MFR: MOHAWK GROUP
STYLE: RECONSTRUCT TILE
COLOR: CONCRETE
SIZE: 24"x24"

CEILINGS

ACT-1 ACOUSTIC CEILING TILE
MFR: ARMSTRONG
STYLE: SQUARE LAY-IN
TILE: OPTIMA
SIZE: 24" X 24"
COLOR: WHITE
GRID: 15/16 PRELUDE

ACT-2 ACOUSTIC CEILING TILE (KITCHEN)
MFR: ARMSTRONG
STYLE: SQUARE LAY-IN
TILE: OPTIMA HEALTH ZONE
SIZE: 24" X 24"
COLOR: WHITE
GRID: 15/16 PRELUDE

CONCRETE SURFACES

SC-1
SEALED CONCRETE

FRP

FRP-1 FIBERGLASS REINFORCED PLASTIC
MFR: MARLITE
STYLE: STANDARD FRP
FINISH: SMOOTH WHITE
NOTE: FLOOR TO CEILING

FRP-2 FIBERGLASS REINFORCED PLASTIC
MFR: MARLITE
STYLE: STANDARD FRP
FINISH: SMOOTH BLACK
NOTE: AT BAR BACK, RE: MILLWORK SECTIONS

PAINT

PT-1 WALL PAINT (TYPICAL)
MFR: SHERWIN WILLIAMS
FINISH: EGGSHELL AT WALLS
COLOR: SW9165 GOSSAMER VEIL

PT-2 PAINT (OPEN CEILING)
MFR: SHERWIN WILLIAMS
FINISH: MATTE
COLOR: SW6991 BLACK MAGIC

PT-3 PAINT (RESTROOMS)
MFR: SHERWIN WILLIAMS
FINISH: EGGSHELL
COLOR: SW 7035 AESTHETIC WHITE

PT-4 WALL PAINT (GAMING AREA)
MFR: SHERWIN WILLIAMS
FINISH: EGGSHELL
COLOR: SW7602 INDIGO BATIK (FROM FLOOR TO 48" A.F.F.)

PT-5
MFR: SHERWIN WILLIAMS
FINISH: EGGSHELL
COLOR: SW7017 DORIAN GRAY (FROM 48" A.F.F. TO CEILING)

ENTRYWAY SYSTEM

WM-1 INTERIOR ENTRANCE FLOORING
MFR: MILLIKEN
PRODUCT: OBEX TILE CUTX
SERIES: THREAD
COLOR: TBD FROM MFR FULL RANGE
INSTALLATION: SURFACE
ACCESSORIES: JOHNSONITE/TARKETT EDGE GUARD IN CORRESPONDING PROFILE, COLOR: TBD FROM MFR FULL RANGE
SIZE AT ENTRY: RE: FINISH PLAN

WM-2 INTERIOR ENTRANCE FLOORING
MFR: MILLIKEN
PRODUCT: OBEX TILE LOOP
COLOR: TBD FROM MFR FULL RANGE
INSTALLATION: SURFACE
ACCESSORIES: JOHNSONITE/TARKETT EDGE GUARD IN CORRESPONDING PROFILE, COLOR: TBD FROM MFR FULL RANGE
SIZE AT ENTRY: RE: FINISH PLAN

PLASTIC LAMINATE

PL-1 PLASTIC LAMINATE
MFR: FORMICA
TYPE: WOOD GRAIN
COLOR: 9484 OXIDIZED BEAMWOOD
PANEL SIZE: 48"x96"

WALL PROTECTION

CG CORNER GUARDS
MFR: CONSTRUCTION SPECIALTIES
PRODUCT: C0-8
COLOR: STAINLESS STEEL

WG WALL GUARDS
MFR: CONSTRUCTION SPECIALTIES
PRODUCT: SCR-40
COLOR: TBD FROM MFR FULL RANGE

RUBBER BASE

RB-1 RUBBER BASE
MFR: ROPPE
STYLE: TRADITIONAL RUBBER WALL BASE
COLOR: 193 BLACK BROWN
HEIGHT: 6"
NOTE: 120' ROLLS

VINYL TILE

VT-1 ANTI-STATIC VINYL TILE
MFR: TARKETT
STYLE: IQ GRANITE SD
COLOR: GRANIT SIDEWALK 0726
SIZE: 24"x24"

SOLID SURFACING

SS-1 COUNTERTOPS
MFR: CORIAN
COLLECTION: SOLID SURFACE
COLOR: CAMEO WHITE
EDGE: 1/8" EASED

SS-2 COUNTERTOPS (BAR AND CASH CAGE)
MFR: CORIAN
COLLECTION: QUARTZ
COLOR: PORTORO
EDGE: 1/8" EASED

TILE

T-1 PORCELAIN TILE (CAFE)
MFR: CROSSVILLE
STYLE: OWEN STONE
COLOR: DOWN
SIZE: 12"x24"
INSTALLATION: RUNNING BOND
GROUT: CUSTOM 381 BRIGHT WHITE

T-2 PORCELAIN TILE (MAIN RESTROOM)
MFR: CROSSVILLE
STYLE: I NATURALI
COLOR: ARABASCATO
SIZE: 12"x24"
FINISH: POLISHED & BUSH HAMMERED - INDICATED ON FINISH PLAN AND LEGEND
INSTALLATION: RUNNING BOND
GROUT: CUSTOM 381 BRIGHT WHITE

T-3 PORCELAIN TILE
MFR: CROSSVILLE
STYLE: SWATCHES
COLOR: COTTON
SIZE: 3"x12"
FINISH:
INSTALLATION: HORIZONTAL STACKED BOND
GROUT: CUSTOM 381 BRIGHT WHITE

TB-1 PORCELAIN TILE BASE
MFR: CROSSVILLE
STYLE: OWEN STONE - BULLNOSE
COLOR: DOWN
SIZE: 4"x24"

EXTERIOR FINISH LEGEND:

CMU BLOCK

CMU 4" SPLIT FACE CMU BLOCK (EXTERIOR)
MFR: TBD BY ARCHITECT
SERIES: TBD BY ARCHITECT
COLOR: TBD BY ARCHITECT
DRAINAGE: 7MM MESH
ACCESSORIES: AS REQUIRED FOR A COMPLETE INSTALL

METAL PANEL

MP-1 METAL PANEL
MFR: TBD
PRODUCT: TBD
COLOR: TO MATCH
SIZE: RE: EXTERIOR ELEVATIONS

EIFS

EIFS
MFR: STOTHERM
SYSTEM: CI XPS LOTUSAN

LOCATIONS: AS SPECIFIED AND AS INDICATED ON DRAWINGS
SUBSTRATE:

ACCESSORIES: AS REQUIRED FOR A COMPLETE AIR TIGHT INSTALLATION

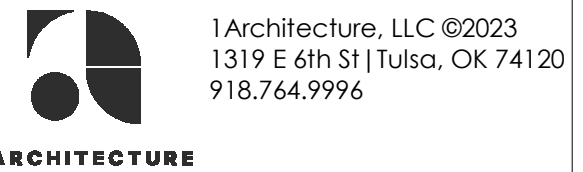
ROOM FINISH SCHEDULE						
NUMBER	NAME	WALL FINISH	CEILING FINISH	FLOOR FINISH	BASE FINISH	NOTES
101	VESTIBULE	PL-1	-	WM-1	-	2
102	DISPLAY	PT-2	PT-2	PT-2	-	
103.1	DISPLAY	PT-2	PT-2	PT-2	-	
103.2	DISPLAY	PT-2	PT-2	PT-2	-	
104	WOMENS	T-2,T-3	PT-3	T-2	-	1
105	JANITOR	PT-3	PT-3	SC-1	RB-1	
106	MENS	T-2,T-3	PT-3	T-2	-	1
107	FAMILY	T-1,T-3	PT-3	T-1	TB-1	
108	FAMILY	T-1,T-3	PT-3	T-1	TB-1	
109	DISPLAY	PT-3	PT-3	PT-3	-	
112	CAFE	PT-1,PL-1	PT-1	T-1	RB-1	
113	KITCHEN	PT-3	ACT-2	SC-1	RB-1	
115	DRY STORAGE	PT-3	-	SC-1	RB-1	
116	JANITOR	FRP	-	SC-1	RB-1	
117	WIC	-	-	SC-1	-	
118	WIF	-	-	SC-1	-	
119	BEER COOLER	-	-	SC-1	-	
121	F & B OFFICE	PT-3	-	SC-1	RB-1	
122	STORAGE	PT-3	-	SC-1	RB-1	
123	LOADING	PT-3	-	SC-1	RB-1	
124	MECH	PT-3	-	SC-1	RB-1	
125	MENS	T-1,T-3	PT-3	T-1	TB-1	
126	WOMENS	T-1,T-3	PT-3	T-1	TB-1	
128	E.D.R.	PT-3	ACT-1	SC-1	RB-1	
131	SEC STATION	PT-3	ACT-1	CPT-2	RB-1	
132	KGC OFFICE	PT-3	ACT-1	CPT-2	RB-1	
133	SEC OFFICE	PT-3	ACT-1	CPT-2	RB-1	
135	CAGE	PT-1	PT-1	CPT-2	RB-1	
136	E.W.	PT-3	PT-3	CPT-2	RB-1	
137	SOFT COUNT	PT-3	PT-3	CPT-2	RB-1	
138	MAIN BANK	PT-3	PT-3	CPT-2	RB-1	
139	MAN TRAP	PT-3	PT-3	CPT-2	RB-1	
140	ELECTRICAL	PT-3	-	SC-1	RB-1	
141	SURVEILLANCE	PT-3	ACT-1	CPT-2	RB-1	
142	OFFICE III	PT-3	ACT-1	CPT-2	RB-1	
143	I.T. OFFICE	PT-3	ACT-1	VT-1	RB-1	
144	I.T. SERVER	PT-3	ACT-1	VT-1	RB-1	
145	SLOT MGR.	PT-3	ACT-1	CPT-2	RB-1	
146	SEC. SUP. OFF.	PT-3	ACT-1	CPT-2	RB-1	
147	MGMT OFFICE	PT-3	ACT-1	CPT-2	RB-1	
148	M.O.D. OFFICE	PT-3	ACT-1	CPT-2	RB-1	
149	OFFICE II	PT-3	ACT-1	CPT-2	RB-1	
150	EM. ELEC.	PT-3	-	SC-1	RB-1	
151	OFFICE I	PT-3	ACT-1	CPT-2	RB-1	
152	R.R.	T-1,T-3	PT-3	T-1	TB-1	
156	REWARDS STORAGE	PT-1	PT-1	CPT-1	RB-1	
157	IDF/ ELECTRICAL	PT-1	-	SC-1	RB-1	
161	CORR A	PT-1	-	T-1	TB-1	
162	CORR B	PT-1	-	T-1	TB-1	
164	CORR D	PT-3	ACT-1	SC-1	RB-1	
165	CORR E	PT-3	ACT-1	CPT-2	RB-1	
166	CORR F	PT-3	ACT-1	CPT-2	RB-1	
167	CORR G	PT-3	ACT-1	CPT-2	RB-1	
168	CORR C	PT-3	ACT-1	SC-1	RB-1	
170	LOCKER ROOM	PT-3	ACT-1	SC-1	RB-1	
171	OPEN GAMING	PT-4	-	CPT-1, WM-2	RB-1	2
172	BAR	PL-1	-	SC-1	RB-1	

NOTES:

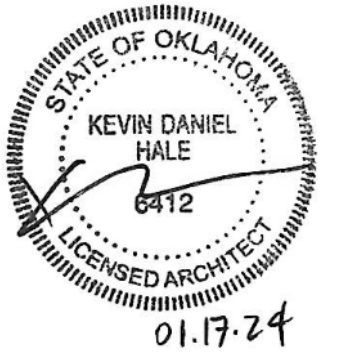
- T-2 FLOOR, TO BE BUSH HAMMERED FINISH.
- OPEN CEILING, STRUCTURE, METAL DECKING, GRILLES, AND EXPOSED CEILING EQUIPMENT TO BE PAINTED PT-2.

MASS ARCHITECTS. BIG IDEAS.

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GENERAL NOTE:
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DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

MV

CHECKED BY:

ND

SHEET TITLE:

ROOM FINISH SCHEDULE AND LEGEND

A610



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

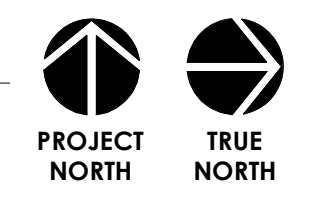
PROJECT NUMBER:
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MV
CHECKED BY:
ND
SHEET TITLE:
ROOM FINISH PLAN

FINISH MATERIAL LEGEND

- CPT-1
- CPT-1, WM-2
- CPT-2
- PT-2
- PT-3
- SC-1
- T-1
- T-2
- VT-1
- WM-1
- WM-2

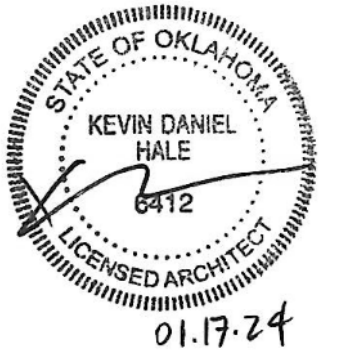


1 ROOM FINISH PLAN
1/8" = 1'-0"



A611

Autodesk Docs://Kiowa Casino/2109-031 Kiowa Casino Interior.rvt



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

HIGHWAY 183
HOBART, OKLAHOMA 73651

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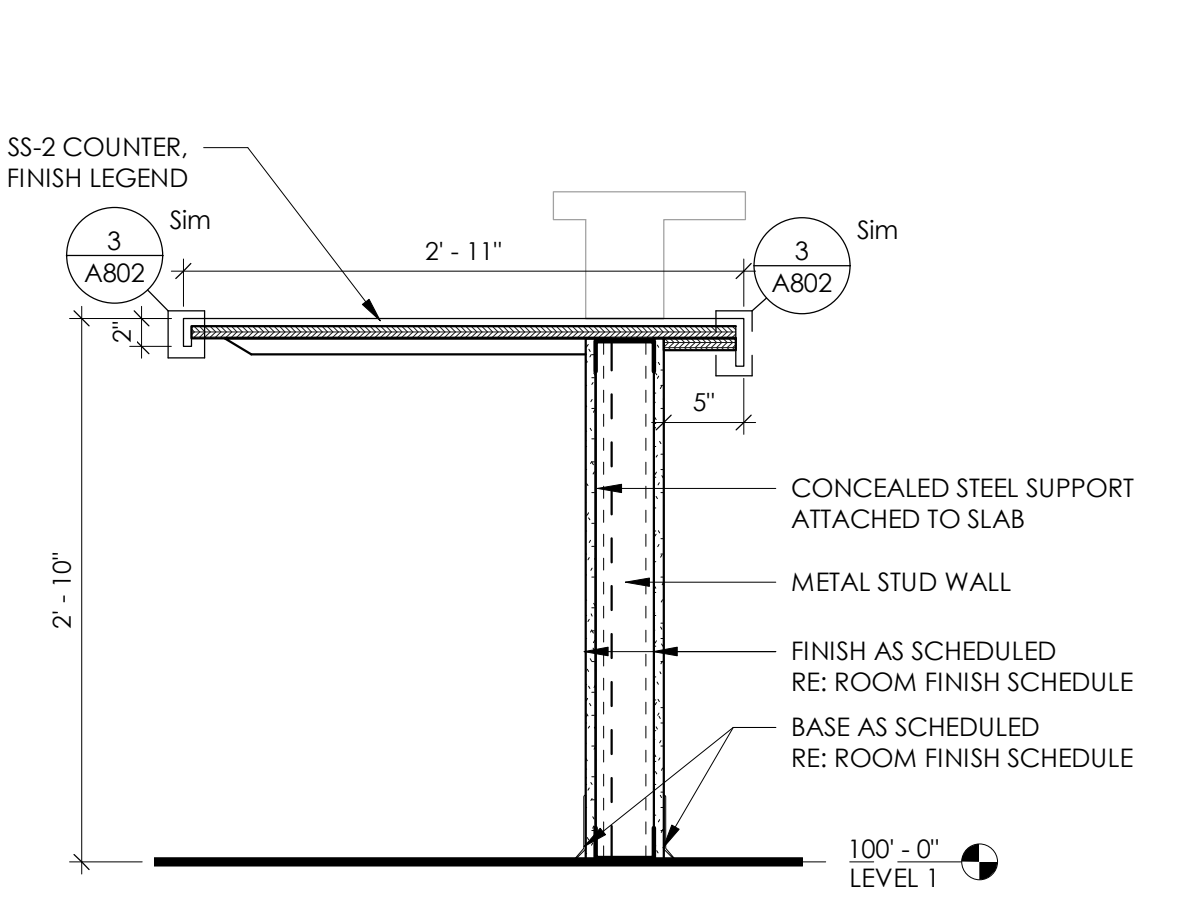
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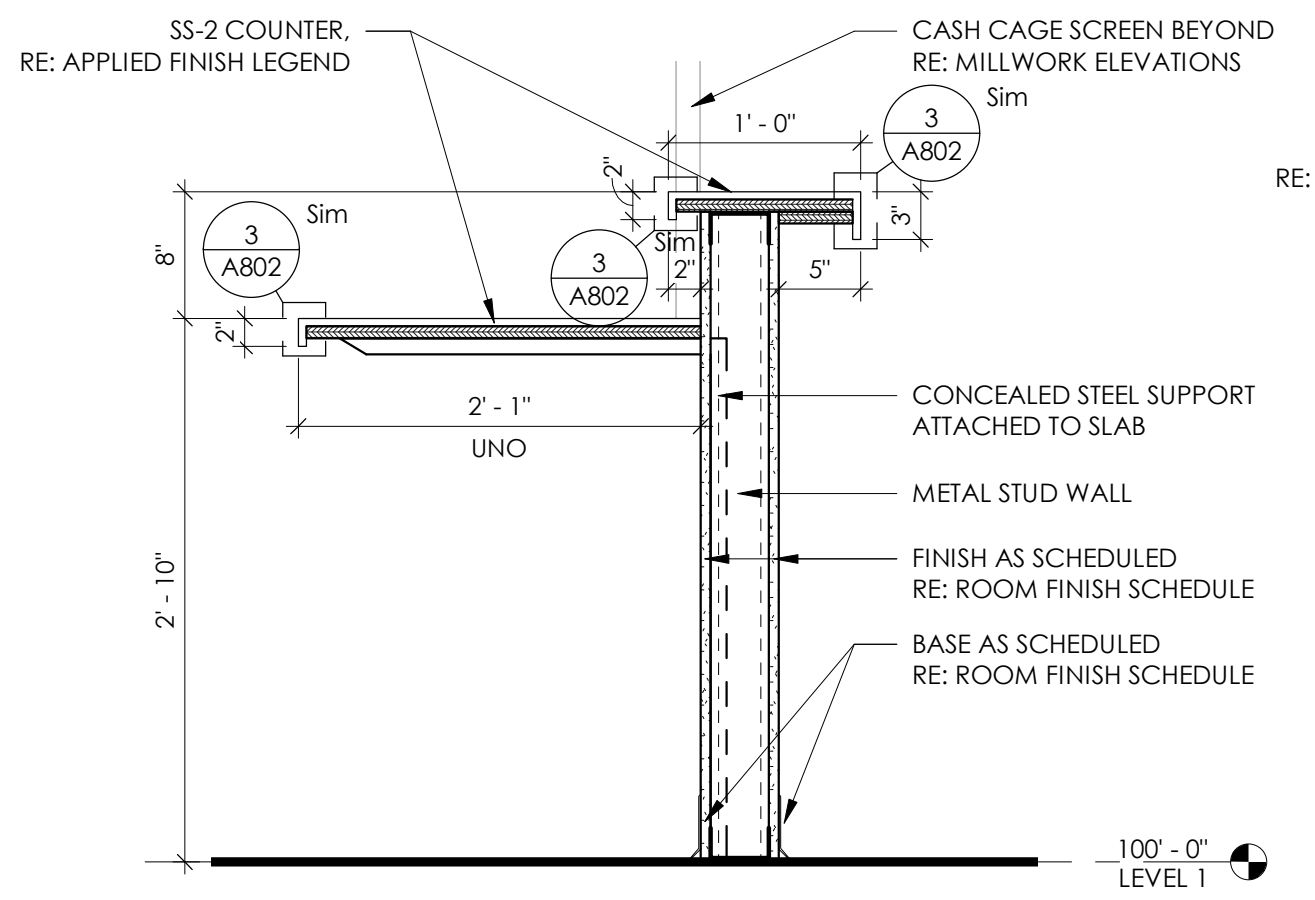
SHEET TITLE:

MILLWORK SECTIONS

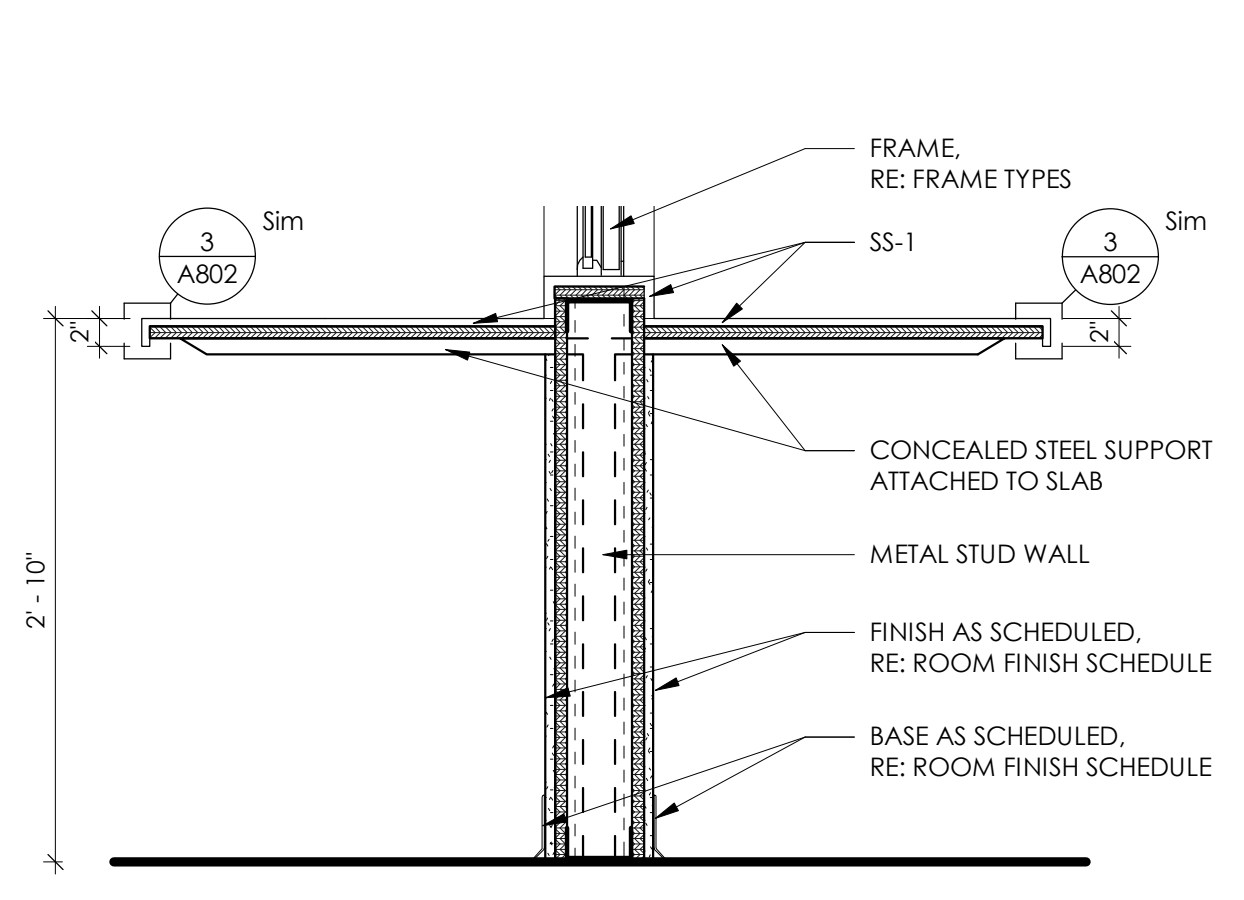
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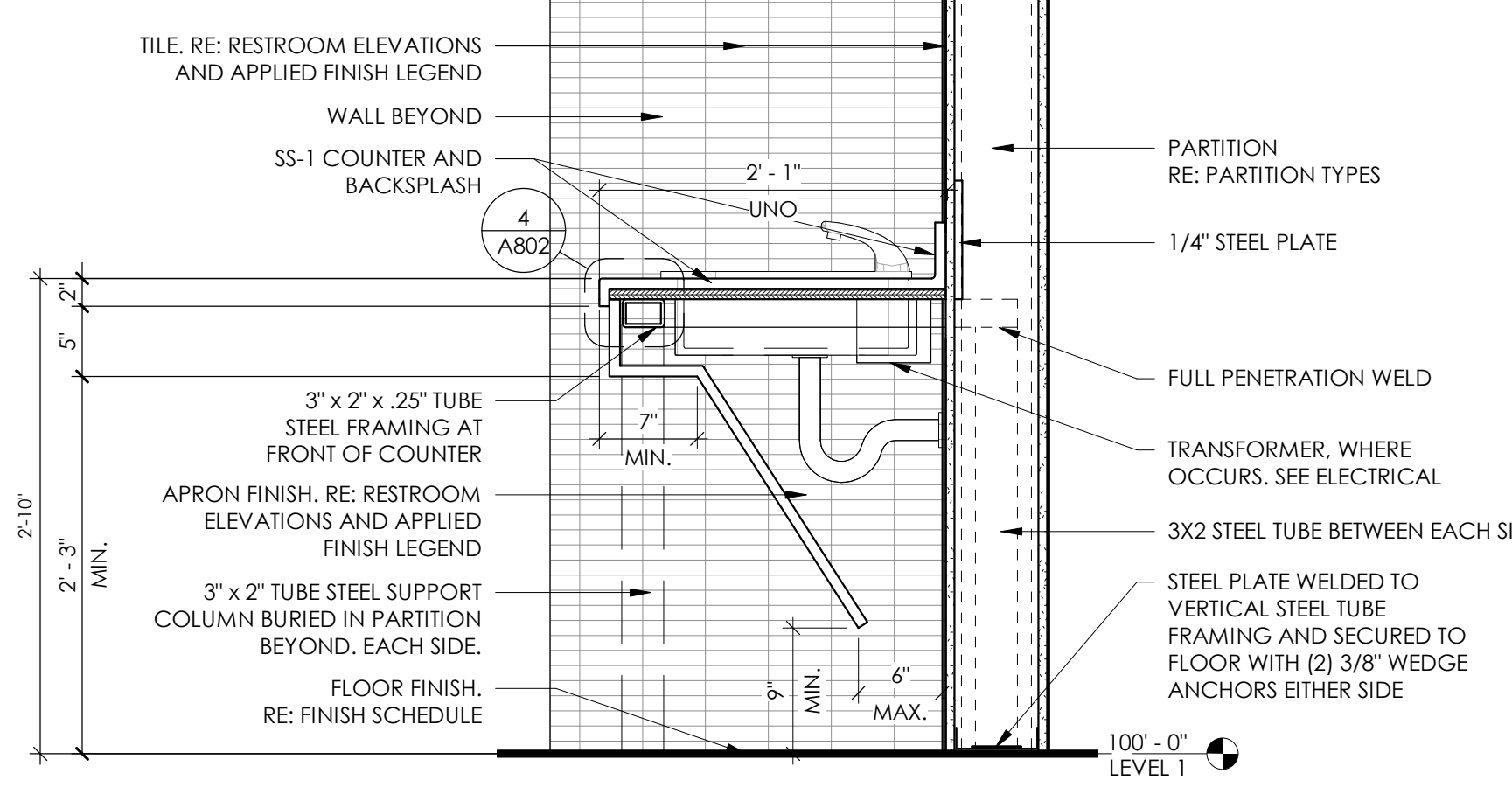
5 135 CAGE COUNTER ADA
1" = 1'-0"



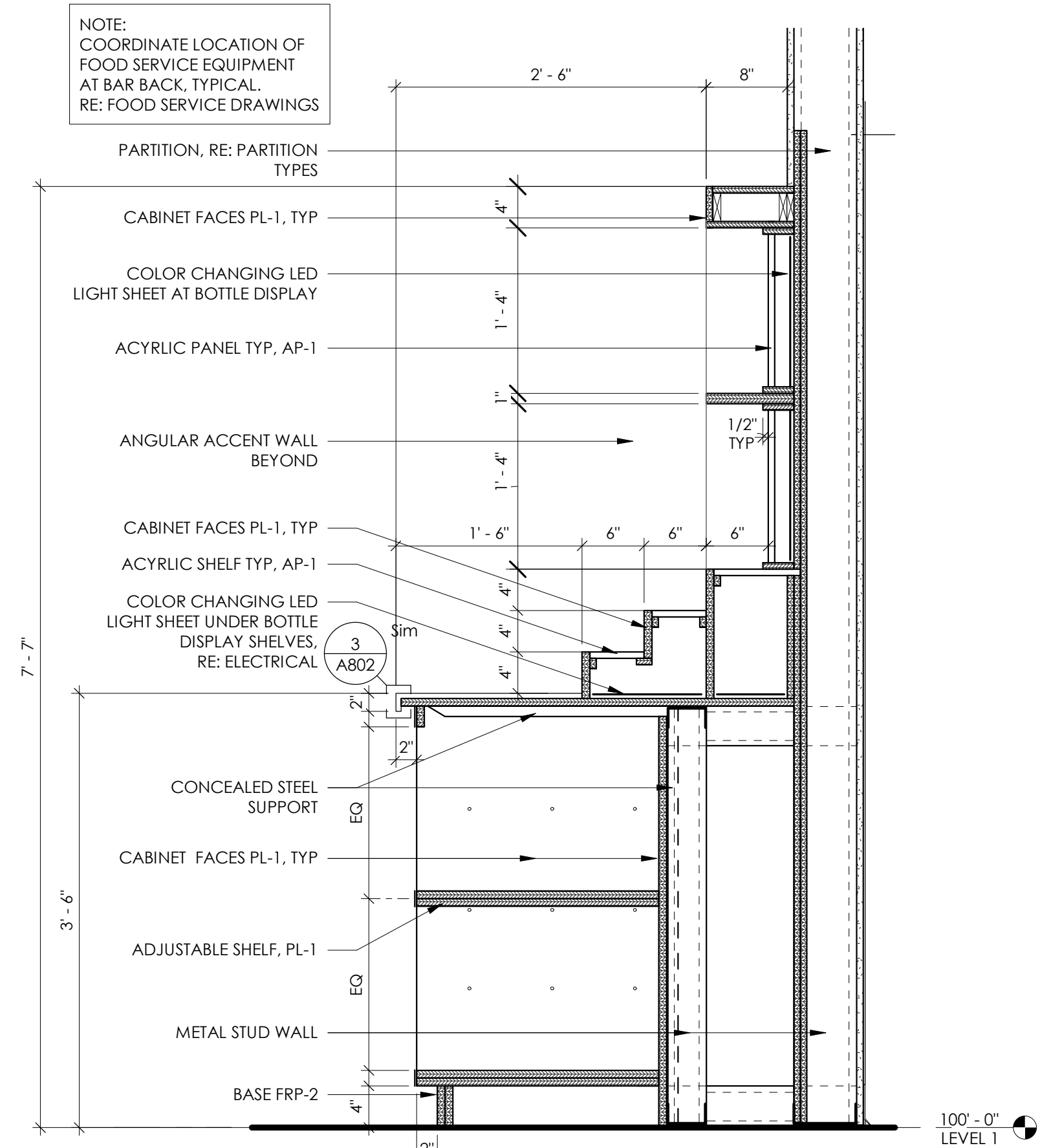
6 135 CAGE DOUBLE COUNTER
1" = 1'-0"



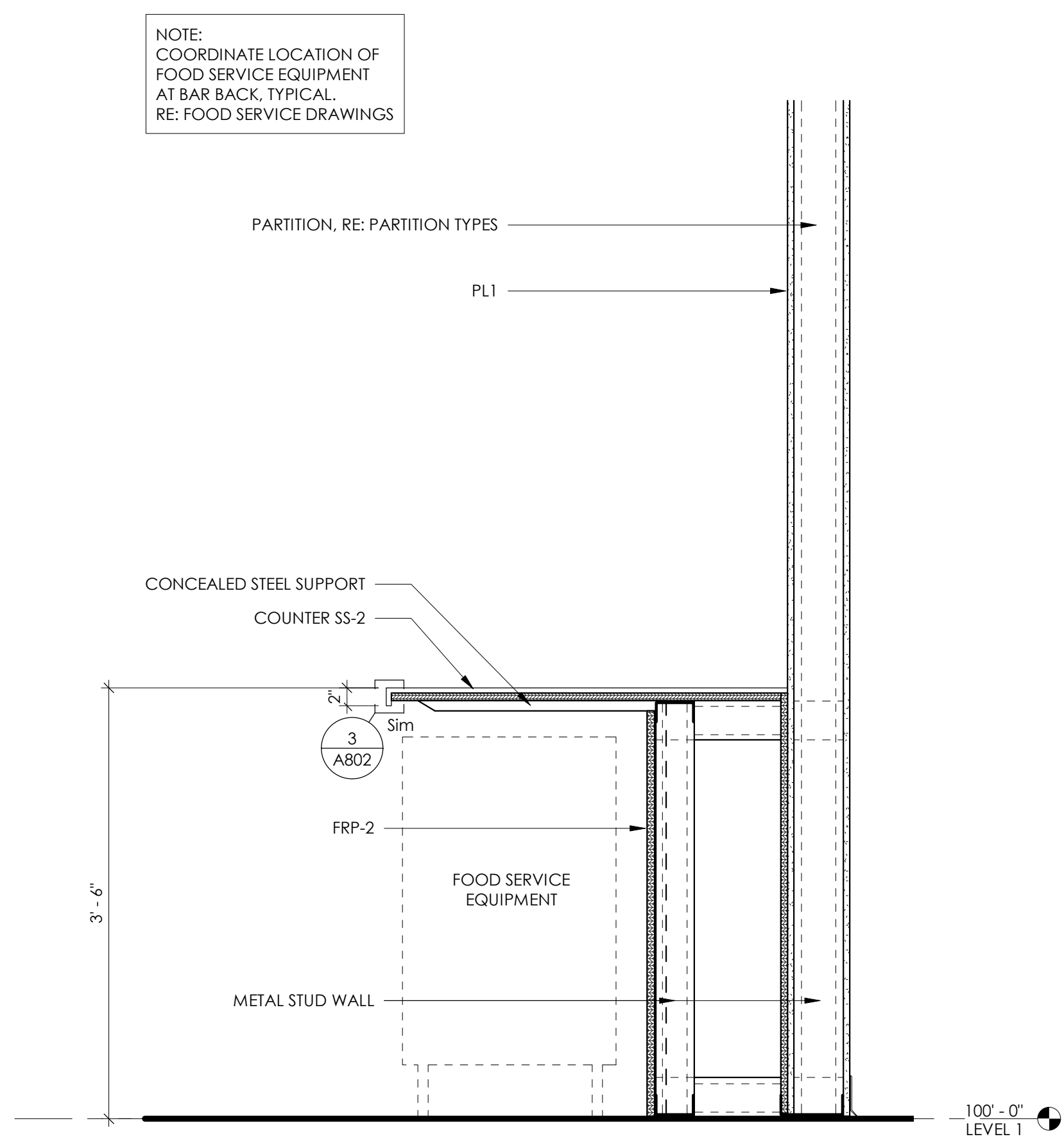
7 138 MAIN BANK WINDOW
1" = 1'-0"



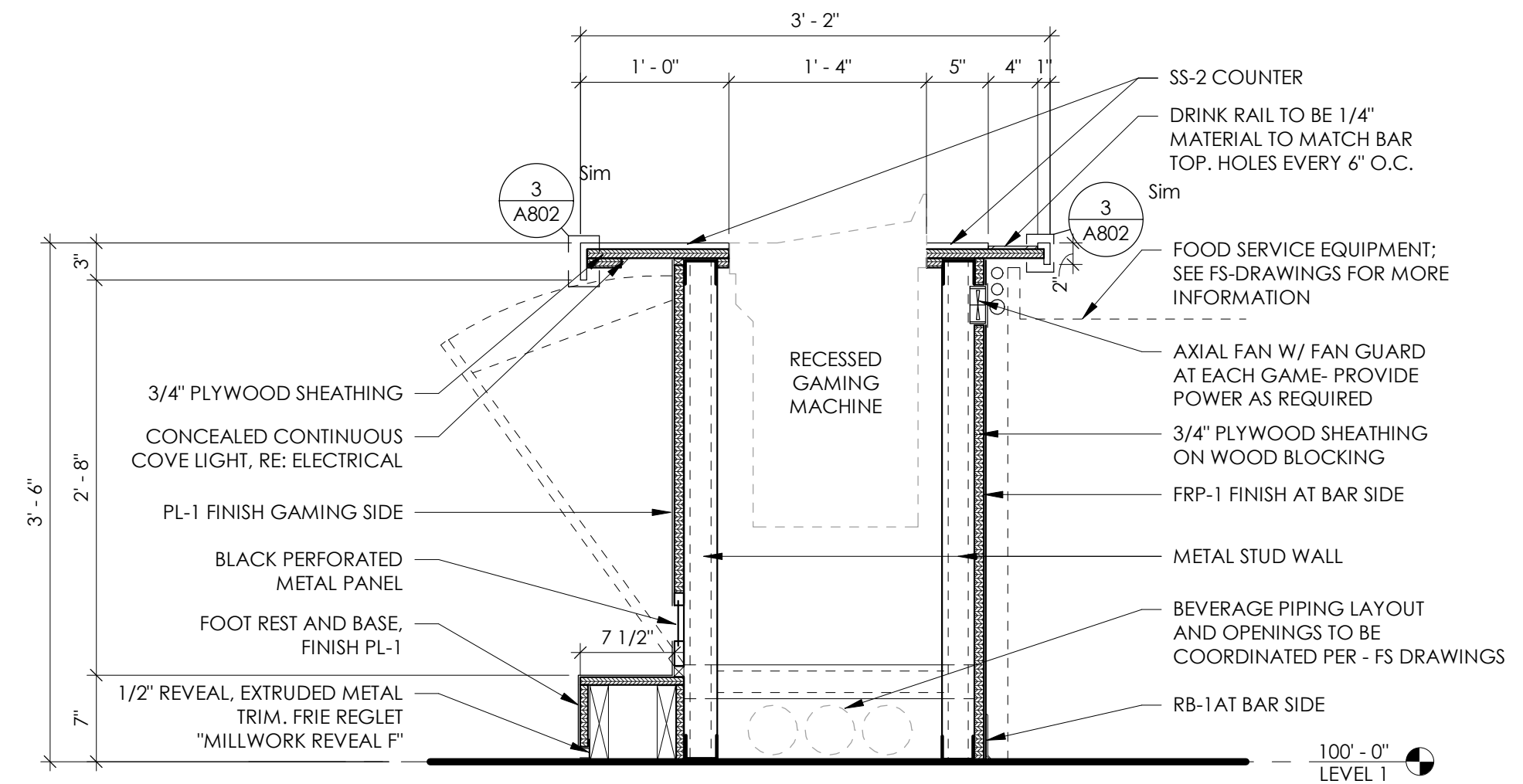
8 TYPICAL RESTROOM COUNTERTOP SECTION
1" = 1'-0"



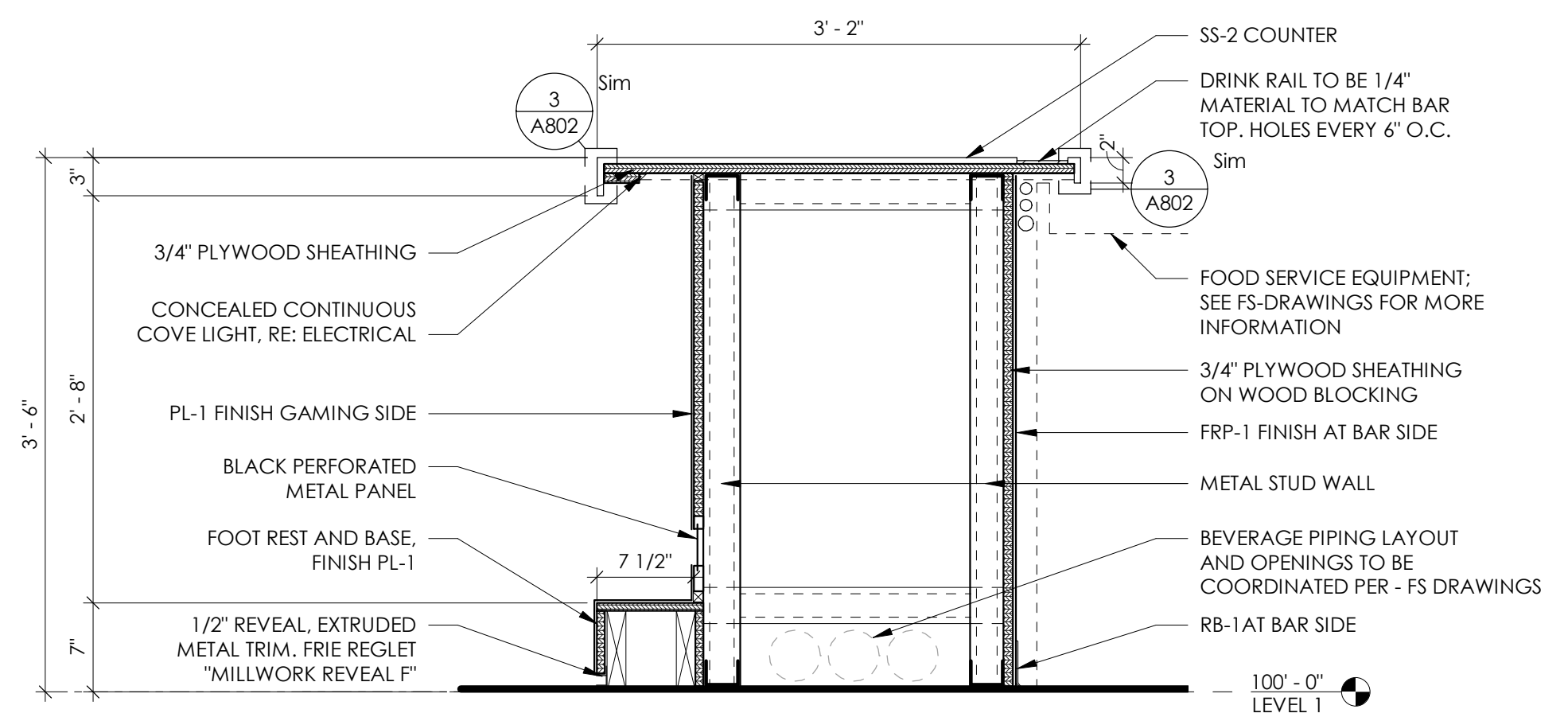
1 172 BACK BAR SHELF SECTION TYPICAL
1" = 1'-0"



2 172 BAR BACK SECTION @ ACCENT WALL
1" = 1'-0"

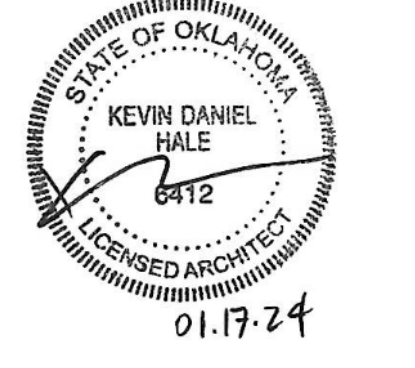


4 171 BAR SECTION - RECESSED GAME
1" = 1'-0"



3 171 BAR SECTION - COUNTER
1" = 1'-0"

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DRAWN FOR:
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KIOWA CASINO**

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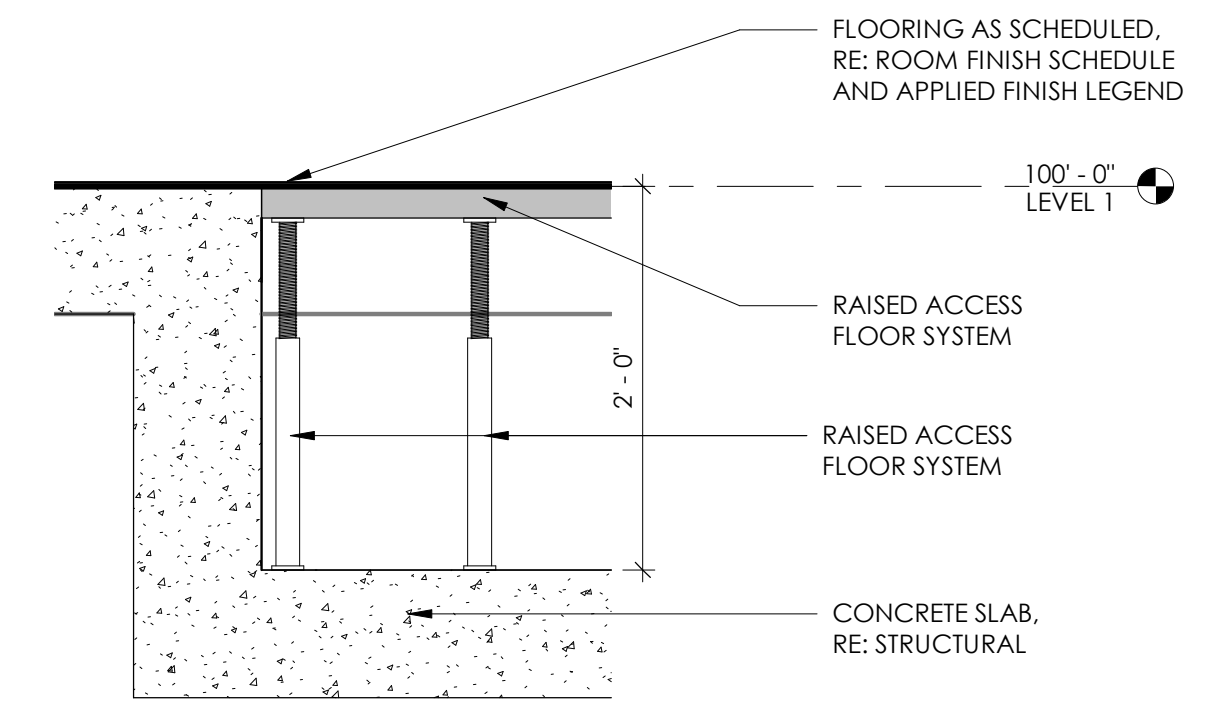
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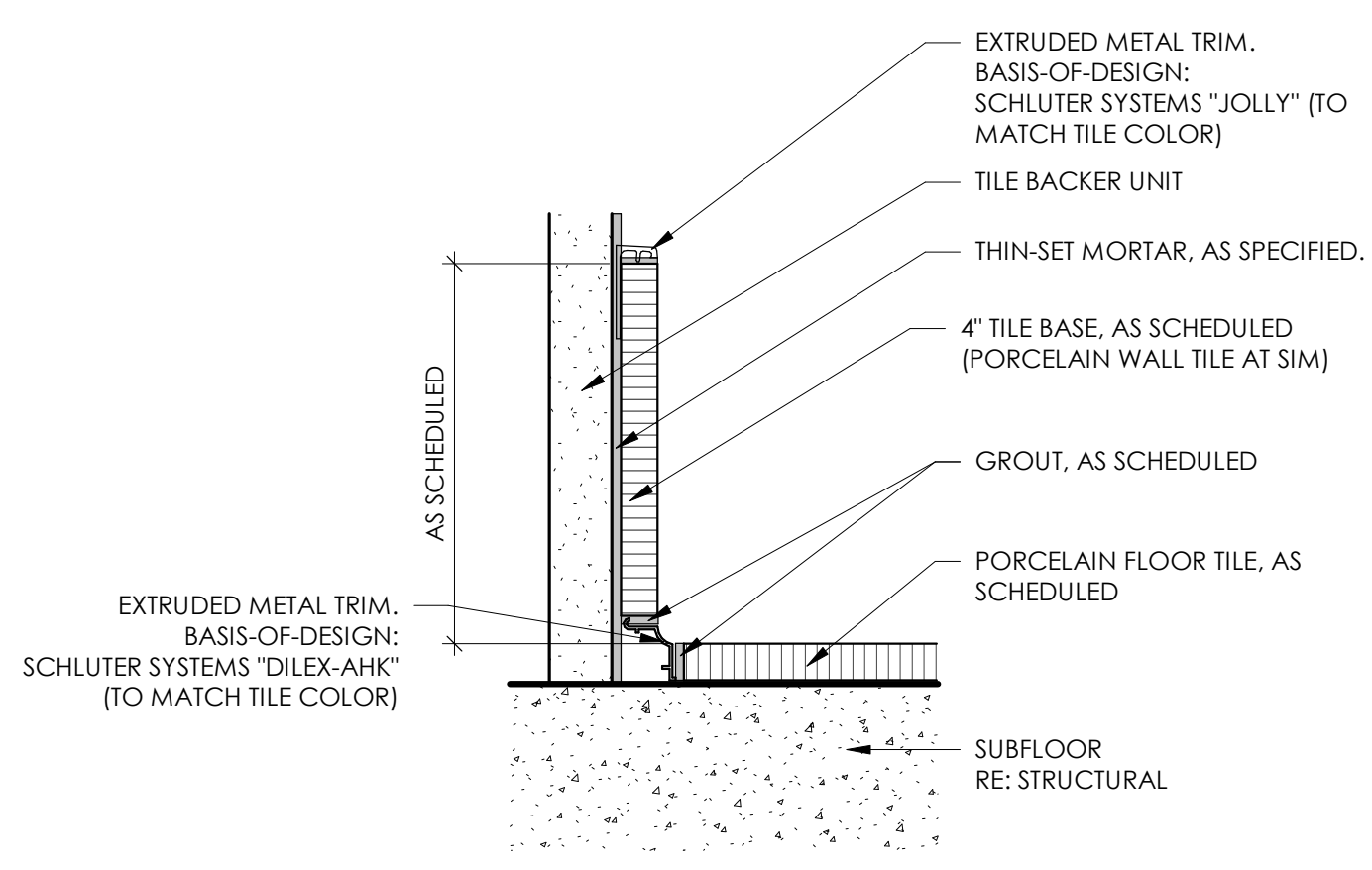
SHEET TITLE:

**MILLWORK SECTIONS
AND TRANSITION
DETAILS**

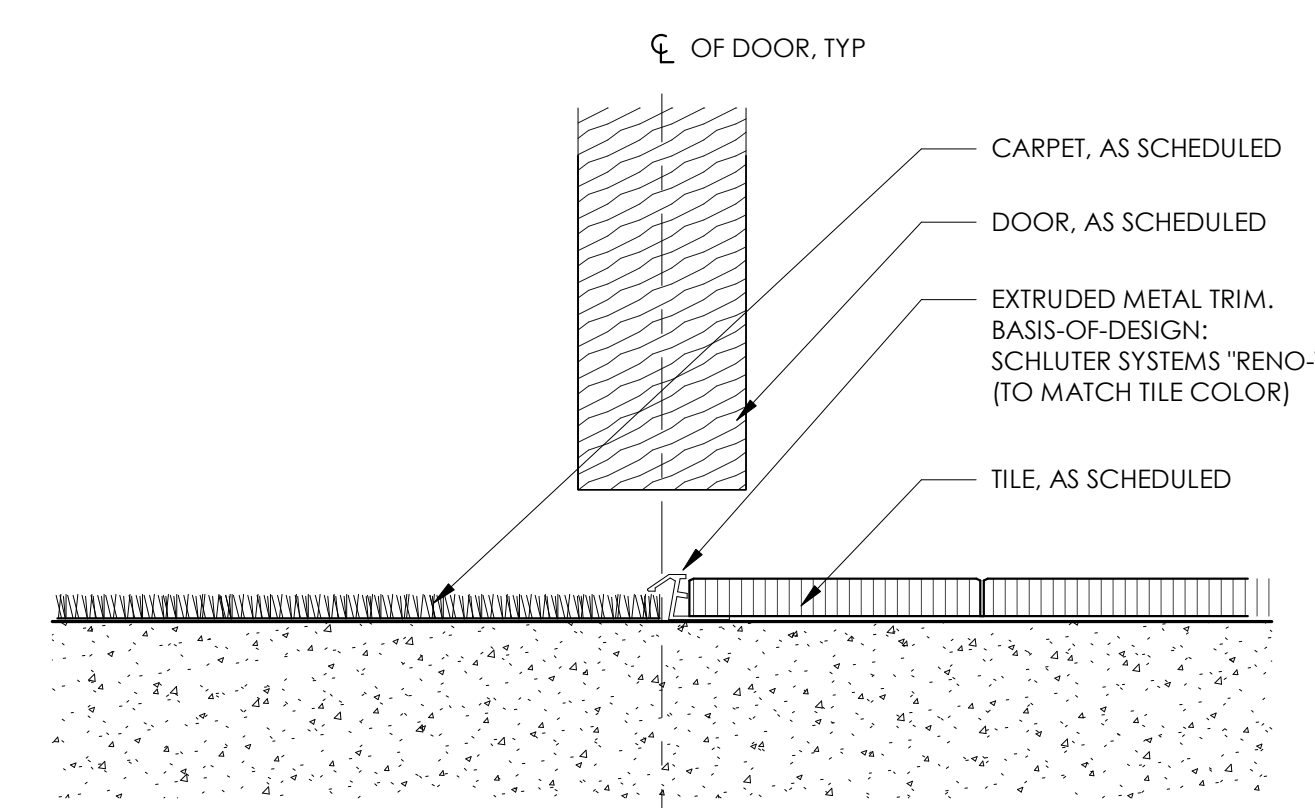
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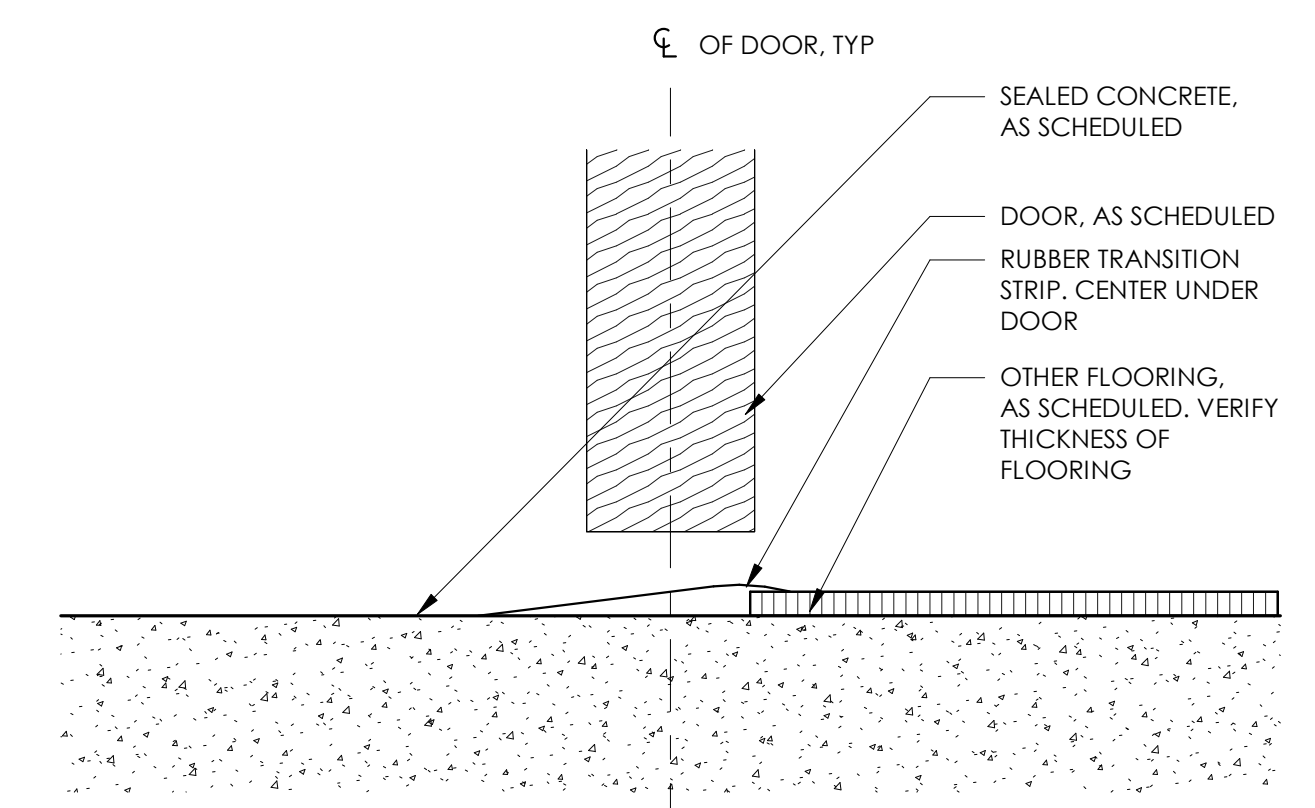
11 **DETAIL AT ACCESS FLOOR**
1" = 1'-0"



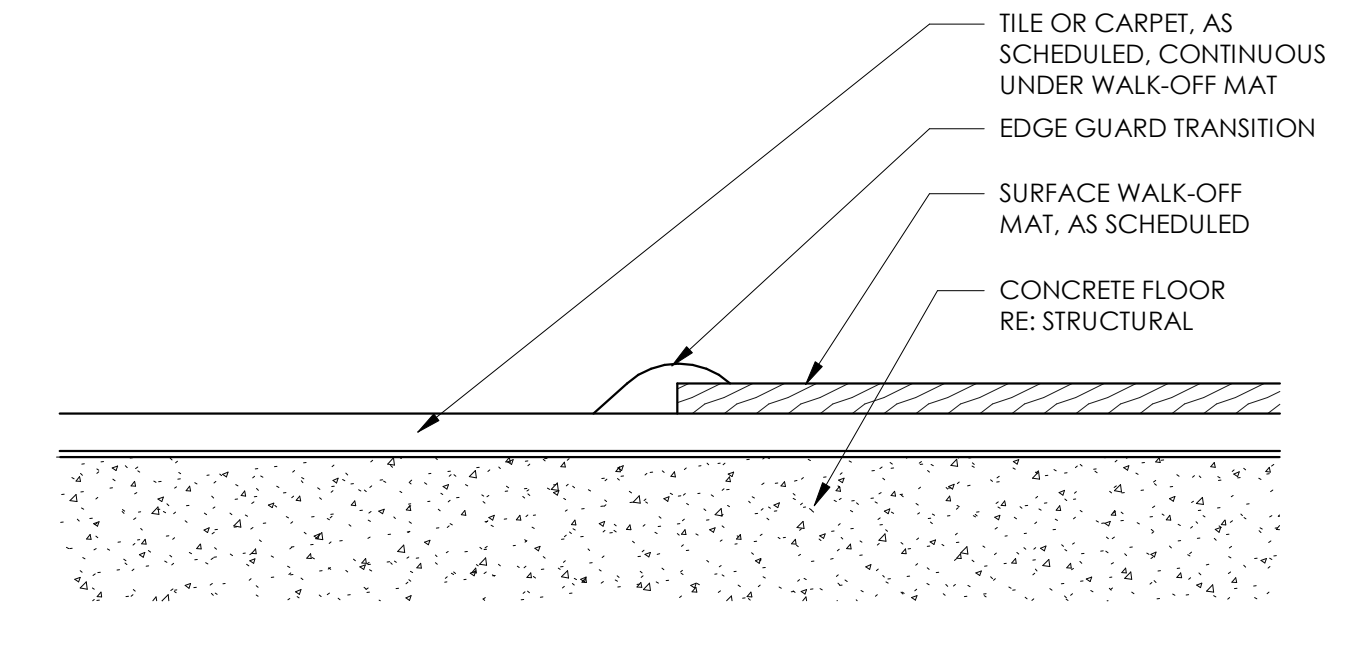
9 **PORCELAIN TILE BASE / WALL TILE**
6" = 1'-0"



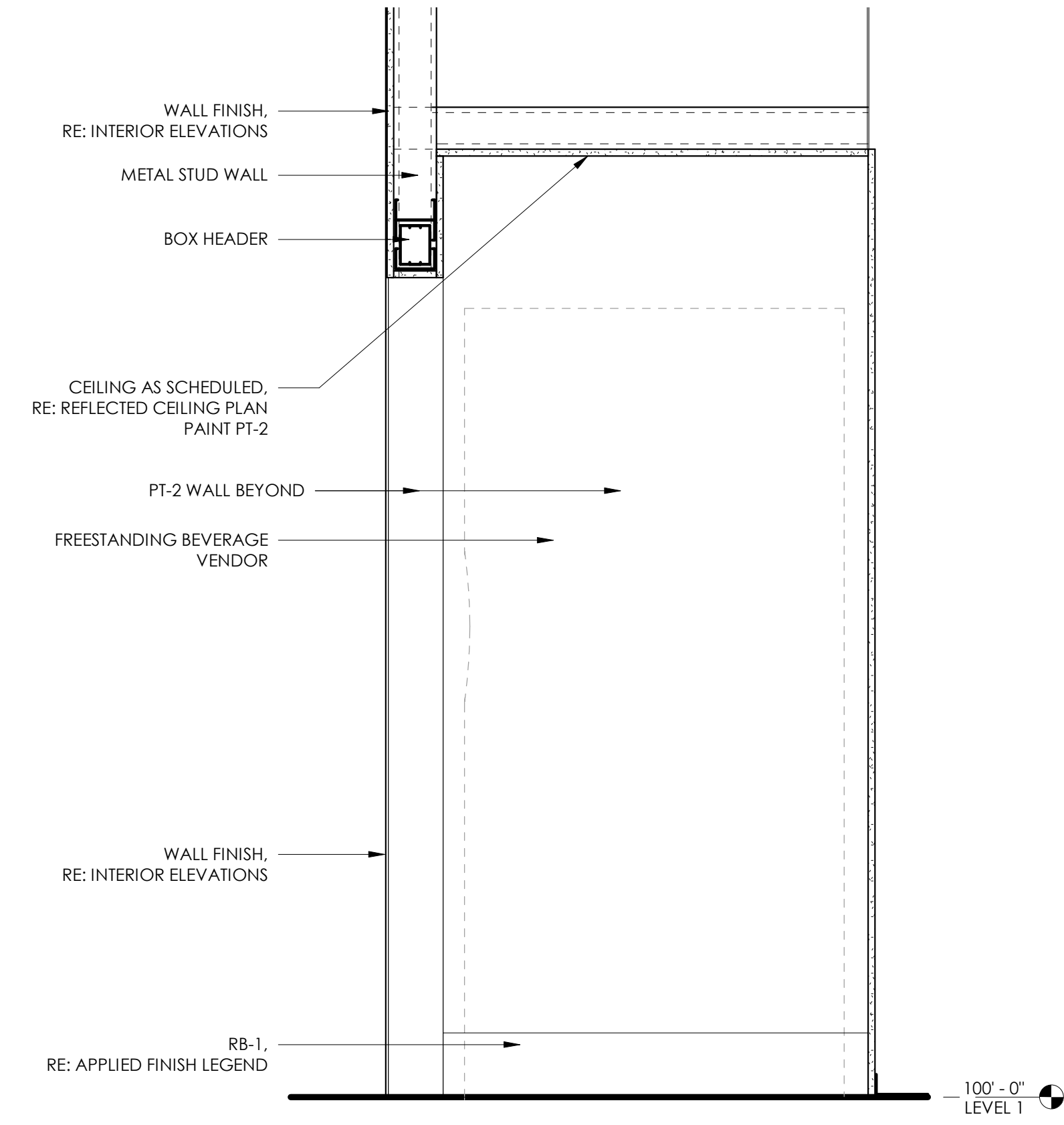
8 **CARPET TO PORCELAIN TILE**
6" = 1'-0"



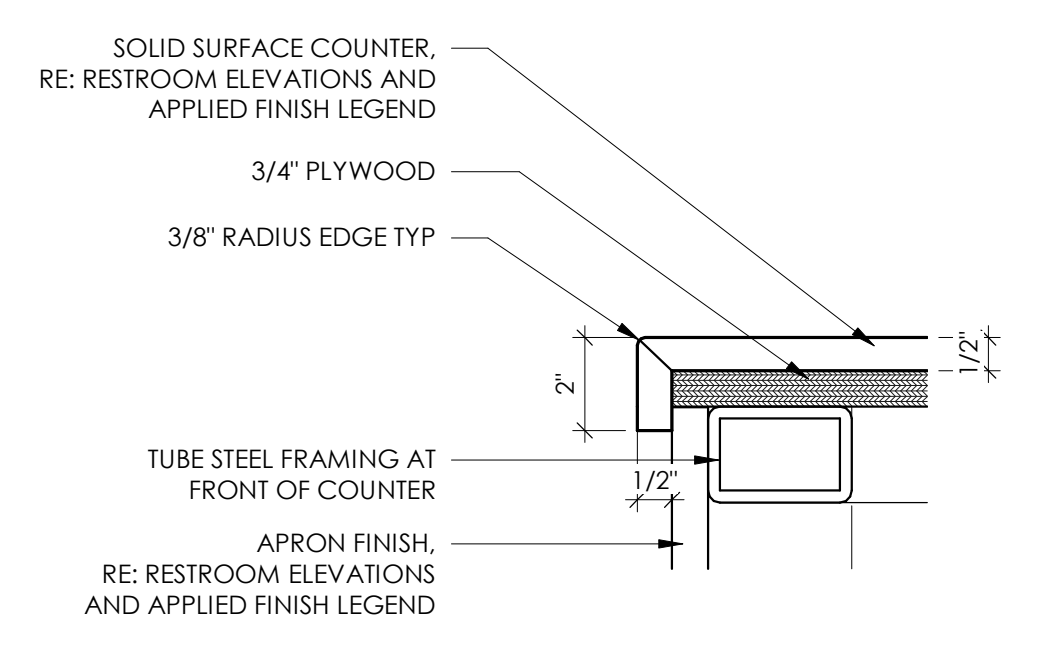
7 **CONCRETE TO OTHER FLOORING**
6" = 1'-0"



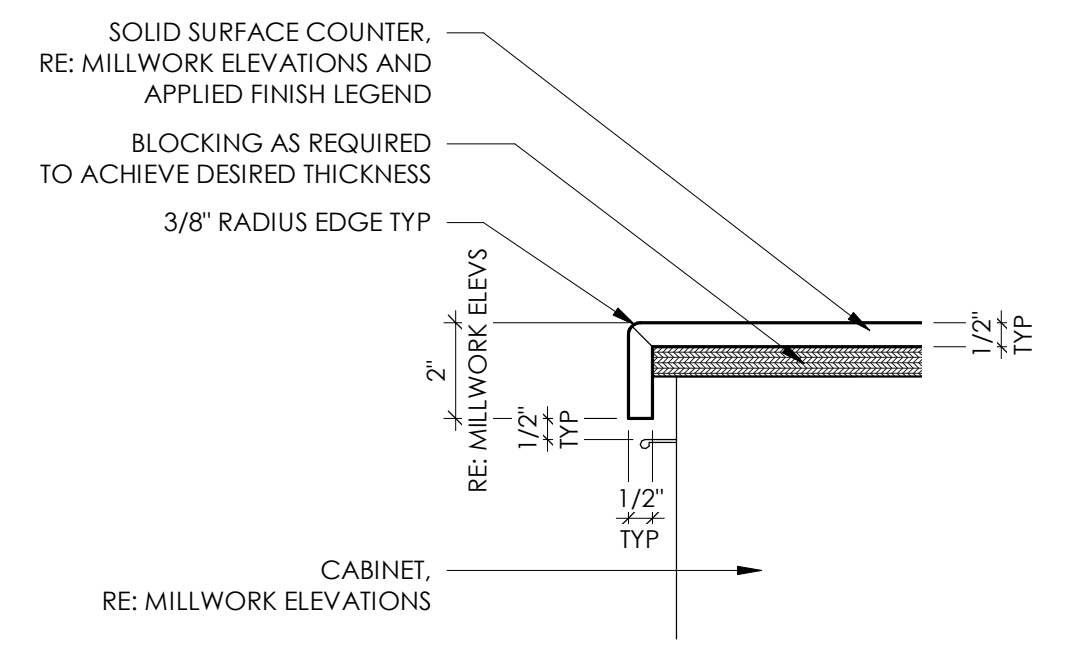
6 **EDGE AT INTERIOR WALK OFF MAT**
6" = 1'-0"



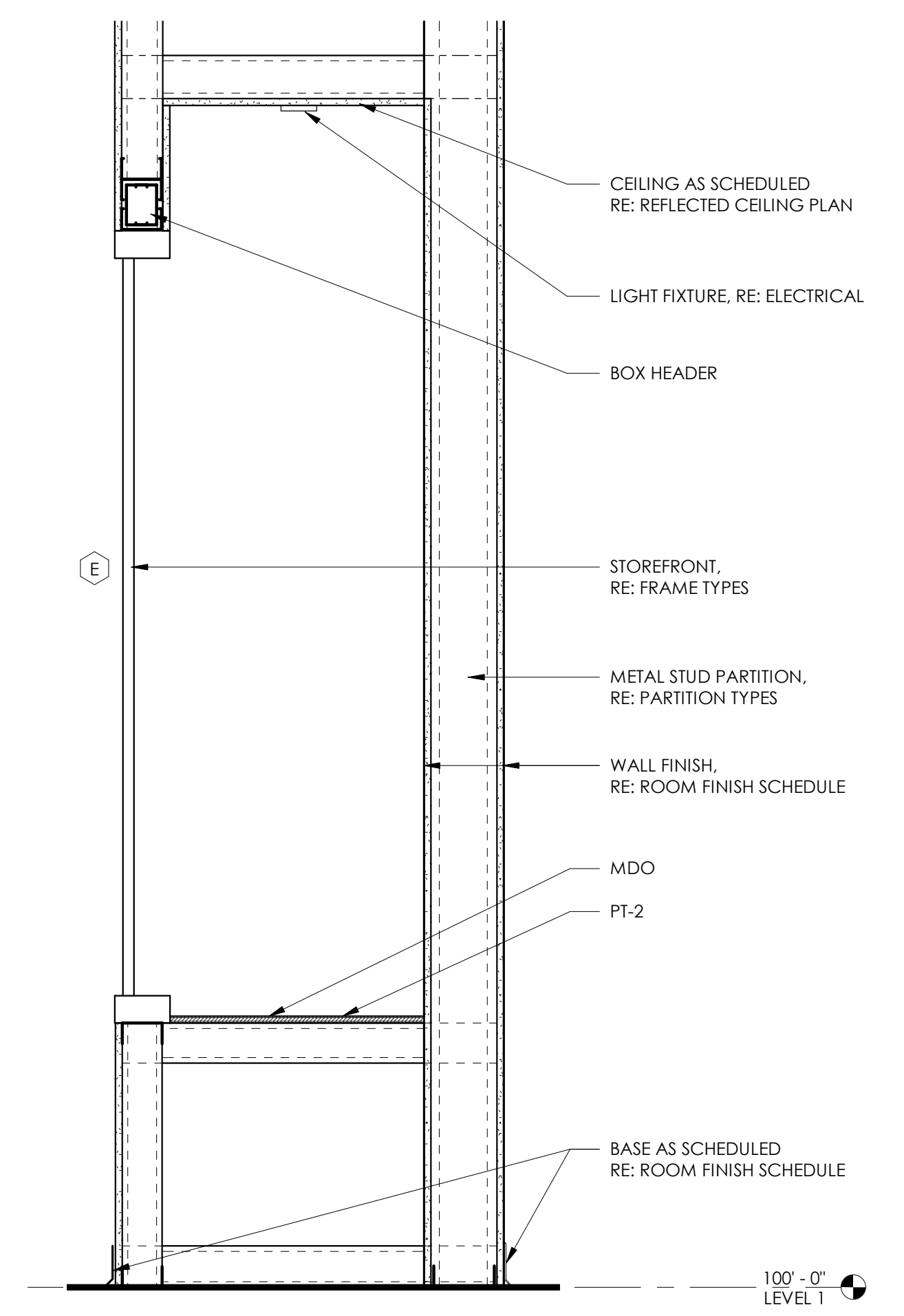
2 **171 DRINK STATION**
1" = 1'-0"



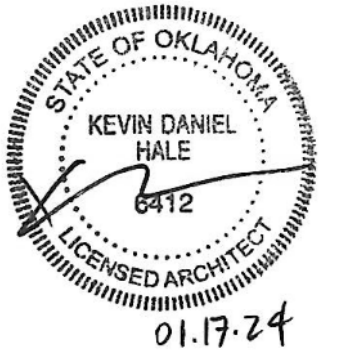
4 **COUNTER @ STEEL SUPPORT**
3" = 1'-0"



3 **TYP COUNTER EDGE DETAIL**
3" = 1'-0"



1 **DISPLAY CASE SECTION**
1" = 1'-0"



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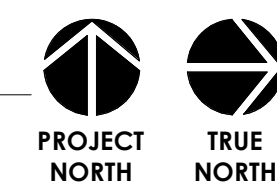
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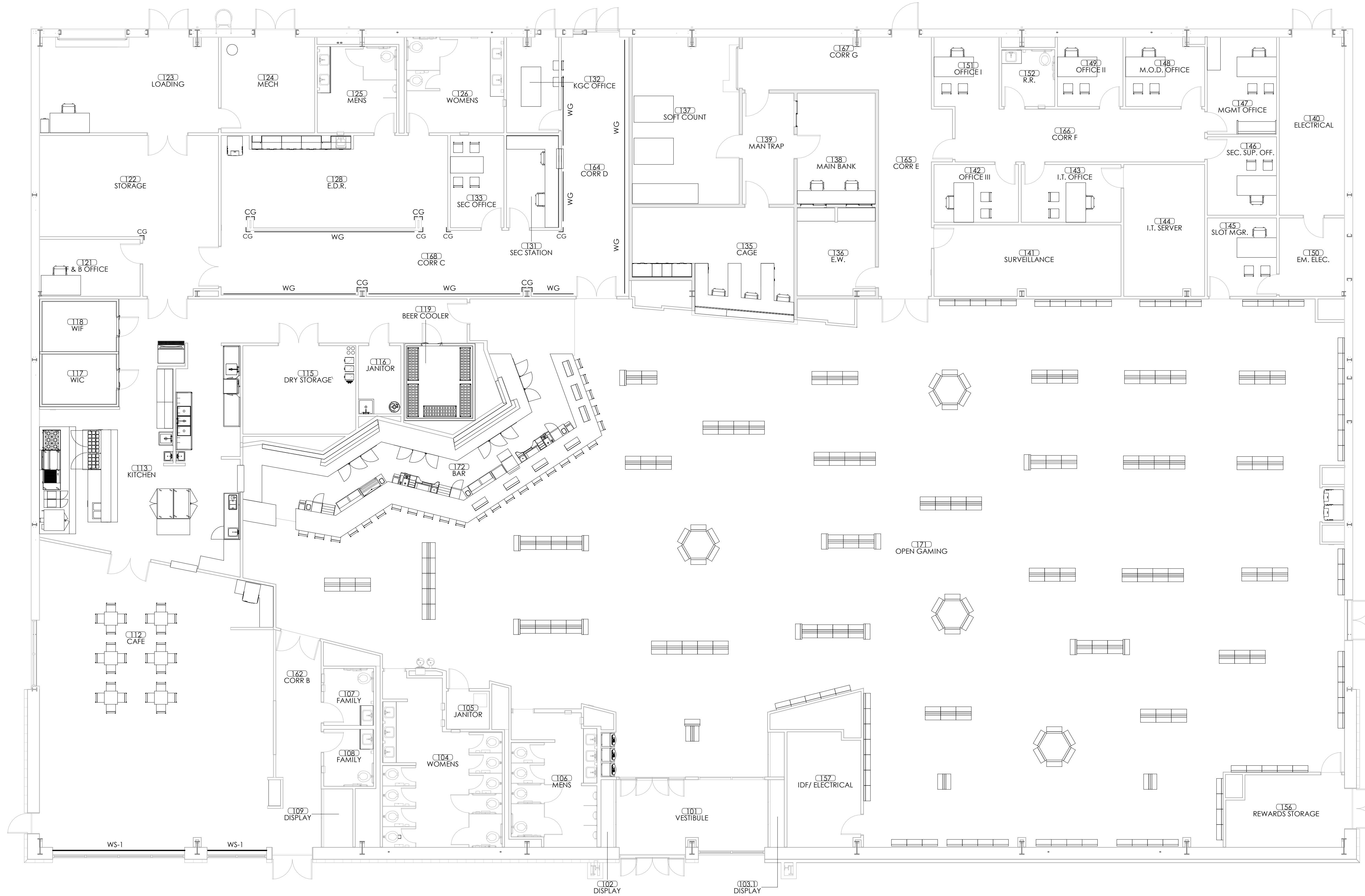
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SHEET TITLE:

FURNITURE, FIXTURES
AND EQUIPMENT PLAN



A901



1 FURNITURE, FIXTURES, AND EQUIPMENT PLAN

1/8" = 1'-0"

GENERAL NOTE:
CONTRACTORS ARE REQUIRED TO CONFIRM EXISTING WORK AS SHOWN TO REMAIN.

Ashley Bice P.E.
501.593.1298 - 405.255.2994
P.O. Box 26634
Little Rock, AR 72221
Ashley@biceconsulting.us



GENERAL CONSTRUCTION NOTES

- ALL MATERIAL & WORKMANSHIP SHALL CONFIRM TO THE REQUIREMENTS OF BOTH LOCAL CODE & CODE LISTED IN DESIGN LOAD TABLE
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO THE SITE AND TO THE BUILDING LAYOUT THEREON.
- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, & SHALL OBTAIN ALL REQUIRED APPROVALS.
- COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.
- ALL MANUFACTURED PRODUCTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
- ALL TRADES SHALL COORDINATE AND VERIFY ALL OPENINGS IN THE ROOF AND WALLS WITH THE GENERAL CONTRACTOR AND ARCHITECT.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF ALL SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS AND FINISH MATERIALS. HE SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE APPLICATION OF THE AFOREMENTIONED MATERIALS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE THE INSPECTION OF THE ABOVE ITEMS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE SHOWN.

REFER TO DRAWINGS OF OTHER SECTIONS FOR ALL NONSTRUCTURAL INFORMATION INCLUDING EXACT LOCATION OF DOORS, WINDOWS, NONBEARING WALLS, PIPES, CONDUITS DEPRESSIONS, DRAINS, INSULATION, FINISHES, ETC.

FOUNDATION NOTES

- FOOTINGS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF, PER GEO-TECH. REPORT BY METCO, PROJECT OGR-22028 DATED FEBRUARY 2022.
- CONTRACTOR SHALL OBTAIN A COPY OF THE GEO TECH. REPORT AND FOLLOW ALL RECOMMENDATIONS OF THE GEO-TECH ENGINEER.
- THE SOILS REPORT SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.
- SUBGRADE PREPARATION, COMPACTED FILL AND BACKFILL SHALL CONFORM TO THE SOIL REPORT AND SHALL BE INSPECTED AND APPROVED IN WRITING BY A QUALIFIED SOILS ENGINEER AND AS CALLED OUT ON THE GRADING PLAN.
- PRIOR TO PLACING REINFORCING, OR CONCRETE, A QUALIFIED SOILS ENGINEER SHALL INSPECT AND APPROVE IN WRITING THE FOOTING EXCAVATION RELATIVE TO NATURAL GRADE, COMPACTED FILL AND FINISH GRADE AND SHALL VERIFY THE ALLOWABLE SOIL BEARING STRESS. COPIES OF THE INSPECTION REPORT SHALL BE SENT TO THE ARCHITECTS AND OWNERS REPRESENTATIVE IMMEDIATELY. WALL FOOTING AND COLUMN FOUNDATIONS MAY BE BANK FORMED IF SOIL CONDITION ALLOWS.
- FIELD DENSITY TESTS SHALL BE MADE BY A QUALIFIED SOILS ENGINEER, AT HIS DISCRETION, AND COPIES SHALL BE SENT TO THE ARCHITECT IMMEDIATELY. COPIES OF ALL INSPECTION REPORTS AND DENSITY TESTS SHALL BE KEPT ON THE JOB SITE DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING ADEQUATE NOTICE TO A QUALIFIED SOILS ENGINEER AND OBTAINING AND PAYING FOR THE COST OF INSPECTIONS AND TEST REPORTS. THE SOILS ENGINEER SELECTED SHALL BE SUBMITTED TO THE ARCHITECT AND OWNERS REPRESENTATIVE APPROVAL AND SHALL PREFERABLY BE THE SOILS ENGINEER OF RECORD.
- THE ARCHITECT SHALL BE NOTIFIED OF ALL SITE CONDITIONS AND/OR OBSTRUCTIONS NOT SPECIFICALLY COVERED BY THE SOILS REPORT AND/OR GRADING PLAN BEFORE ANY ACTION IS TAKEN BY THE CONTRACTOR.

REINFORCING STEEL

- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 TYPICALLY. LAP BARS A MINIMUM OF 36 DIAMETERS. WHERE GRADE 40 IS REQUIRED ON PLANS, LAP 30 DIAMETERS. STAGGER LAPS WHERE PERMISSIBLE. LAP BARS A MINIMUM OF 48 DIAMETERS IN MASONRY. USE GRADE 60 TYPICALLY, USE GRADE 40 FOR TIES & DOWELS (#3 OR SMALLER).
- WIRE MESH SHALL CONFORM TO ASTM A-185. LAP 6" MINIMUM.
- FOOTING DOWELS SHALL MATCH VERTICAL WALL OR COLUMN STEEL. LAP 36 DIAMETERS.
- AT ALL OPENINGS IN CONCRETE, CONCRETE BLOCK AND BRICK MASONRY, PROVIDE AT LEAST 2-#5 BARS AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
- MINIMUM CONCRETE COVER SHALL BE:
3".....CONCRETE POURED AGAINST EARTH.
2".....FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH.
1 1/2".....BEAMS, MEASURED TO MAIN STEEL; COLUMNS MEASURED TO TIES OR SPIRALS; EXPOSED TO EARTH OR WEATHER.
3/4".....SLABS; INSIDE FACES OF WALLS.
- ALL WELDED REINFORCING BARS SHALL BE A706 REINFORCING BARS.

CONCRETE AND EMBEDDED ITEMS

- ALL CONCRETE SHALL BE MIXED, FORMED AND PLACED ACCORDING TO A.C.I. CODE, LATEST EDITION.
- THE MAXIMUM WATER / CEMENT RATIO SHALL BE 0.5. READYMIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. MAXIMUM SLUMP SHALL BE 5" AS MEASURED BY THE ASTM "STANDARD METHOD OF TESTING FOR SLUMP OF PORTLAND CEMENT CONCRETE".
- CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, EXCEPTION AS NOTED.
- CEMENT FOR CONCRETE OR MASONRY MORTAR SHALL BE A STANDARD BRAND "PORTLAND CEMENT", MEETING THE REQUIREMENT OF ASTM C-150M TYPE 1. CEMENT SHALL BE TYPE II. (USE TYPE V CEMENT IF REQUIRED BY SOILS REPORT)
- AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C-33.
- CONTRACTOR MAY USE AN APPROVED WATER REDUCING ADMIXTURE CONFORMING TO ASTM C-494.
- SLAB ON GRADE AS NOTED ON PLAN SHALL BE POURED ON FIRM, MOISTENED, COMPACT EARTH. CONSTRUCTION OR CONTRACTION JOINTS SHALL BE SPACED A MAXIMUM OF 15' APART.
- BEFORE PLACEMENT OF CONCRETE, THE CONTRACTOR SHALL VERIFY PROPER PLACEMENT OF ALL ITEMS OF WORK WHICH ARE EMBEDDED IN THE CONCRETE WORK. THE FOOTINGS SHALL HAVE BEEN INSPECTED AND APPROVED BY A QUALIFIED SOILS ENGINEER BEFORE CONCRETE PLACEMENT. FOOTINGS SHALL BE FREE OF STANDING WATER.
- ALL ANCHOR BOLTS SHALL HAVE A STANDARD HEAD AT EMBEDDED END. ANCHOR BOLTS SHALL BE SPACED 12 BOLT DIAMETERS MINIMUM. MINIMUM EMBEDMENT OF ANCHOR BOLTS SHALL BE 7" IN FOOTINGS AND 7" INTO VERTICAL CONCRETE SURFACES, U.N.O.
- BOLTS IN SIMPSON SET EPOXY, MAY BE USED IN LIEU OF ANCHOR BOLTS WHERE SPECIAL CONDITIONS WARRANT THEIR USE, PROVIDED THAT WRITTEN APPROVAL OF THE ENGINEER IS OBTAINED.
- GROUT SHALL CONSIST OF 1 PART CEMENT, TO NOT MORE THAN 3 PARTS SAND AND NOT LESS THAN 1 PART NOR MORE THAN 2 PARTS PEA GRAVEL BASED ON DRY LOOSE VOLUMES. GROUT SHALL BE OF FLUID CONSISTENCY. APPROVED ADMIXTURES MAY BE ADDED TO GROUT MIX. GROUT SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSED STRENGTH OF 3000 PSI AT 28 DAYS.
- DRYPACK SHALL CONSIST OF 1 PART CEMENT, 4 PARTS SAND, BASED ON DRY LOOSE VOLUMES AND NOT LESS THAN 1/4 PART NOR MORE THAN 1/2 PART LIME PUTTY OR DRY HYDRATED LIME. DRYPACK SHALL OBTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- ALL CONCRETE EMBEDMENTS, INCLUDING FOUNDATION BOLTS, SHALL BE TIED IN PLACE PRIOR TO FOUNDATION EXCAVATION INSPECTION.
- FINE AGGREGATE SHALL BE COMPOSED OF CLEAN HARD PARTICLES WITH NOT MORE THAN 2% BY WEIGHT OF DELETERIOUS SUBSTANCES.
- COMBINED GRADING OF AGGREGATES SHALL CONFORM TO THE REQUIREMENT OF THE PROJECT SPECIFICATION.
- THE CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318 AND 347.
- CONCRETE FINISHES AND CURING SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL, ELECTRICAL, FOOD SERVICE AND AIR CONDITIONING DRAWINGS FOR LOCATIONS OF ALL PIPES, CONDUITS, ETC.
- ADDITIONAL MATERIALS INCLUDE: PREFORMED STRIPS COMPLYING WITH ASTM D1752 TYPE 1, CURE/SEAL COMPOUND - COMPLY WITH ASTM C309 TYPE 1 CLASS B WATER-BASE ACRYLIC MEMBRANE VAPOR BARRIER AND E.J MATERIAL BY TI CONTRACTOR.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL MEET ASTM A-36 EXCEPT ALL STEEL TUBE COLUMNS SHALL MEET ASTM A-500, AND ALL STEEL PIPE COLUMNS SHALL MEET ASTM A-501 OR ASTM A-53, TYPES E OR S, GRADE B. STEEL WIDE FLANGE BEAMS SHALL HAVE A MINIMUM Fy OF 50 KSI.
- ALL STEEL CONNECTIONS NOT DETAILED OR OTHERWISE NOTED SHALL BE STANDARD AISC WELDED OR BOLTED CONNECTIONS. BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA. A-325 BOLTS UNLESS NOTED OTHERWISE.
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION) "STRUCTURAL WELDING CODE."
- STEEL BOLTED CONNECTIONS SHALL HAVE NUTS TIGHTENED AND COLUMNS SHALL BE PLUMBED AND GROUTED IN PLACE BEFORE DECKING IS ATTACHED TO FRAMING.
- ALL STEEL COLUMN BASE PLATES SHALL BE 3/4" THICK AND SHALL HAVE FOUR (4) 3/4" DIA. x 18" + HOOK, ANCHOR BOLTS WITH DOUBLE NUTS AND WASHERS, UNLESS NOTED OTHERWISE. PROVIDE A 1/8" THICK TEMPLATE AT EACH COLUMN LOCATION
- THE STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL AS REQUIRED BY THE SPECIFICATIONS. THESE SHOP DRAWINGS SHALL INCLUDE ERECTION DRAWINGS WHICH ASSIGN A PIECE MARK TO EACH STRUCTURAL MEMBER. THE SHOP DRAWINGS SHALL ALSO INCLUDE STRUCTURAL SECTIONS WHICH IDENTIFY PLACEMENT OF ALL STEEL COMPONENTS WHOSE PLACEMENT IS NOT CLEARLY SHOWN ON THE ERECTION DRAWINGS.

WELDS:

- ALL WELDS SHALL BE PERFORMED USING ER70S-X ELECTRODES (70 KSI MIN).
- ALL WELDS SHALL BE PERFORMED BY A CERTIFIED WELDER AND SHALL CONFORM TO AISC AND AWS SPECIFICATIONS.
- ALL BUTT WELDS AT WEB AND FLANGES SHALL BE FULL PENETRATION WELDS.
- ALL CONNECTION WELDS SHALL BE A MINIMUM OF 3/16" CONTINUOUS FILLET WELD ON ALL SIDES (U.N.O.).

METAL DECKING

- ALL DECK SHALL BE DESIGNED AND FABRICATED ACCORDING TO THE LATEST SDI SPECIFICATIONS.
- UNLESS NOTED OTHERWISE, FLOOR DECK SHALL BE ATTACHED TO JOISTS, BEAMS, ANGLES, ETC. W/WELDING WASHERS ON A 30/4 PATTERN @ 10" ON CENTER. SIDELAPS SHALL BE FASTENED WITH (1) #10-14 TEK SCREW AT MIDSPAN.
- UNLESS NOTED OTHERWISE, TYPE 'B' DECK SHALL BE ATTACHED TO JOISTS, BEAMS, ANGLES, ETC. W/5/8" PUDDLE WELDS ON A 36/4 PATTERN @ 12" ON CENTER. SIDELAPS SHALL BE FASTENED USING (1) #10-14 TEK SCREWS AT MIDSPAN.
- FASTENERS MAY BE SUBSTITUTED UPON SPECIFIC WRITTEN AUTHORIZATION BY THE ENGINEER.

DESIGN LOADS TABLE IBC 2015	
DESIGN LOADS:	
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF
ALLOWABLE SOIL BEARING PRESSURE	2000 PSF
WIND DESIGN LOADS:	
WIND SPEED	115 MPH (3 SECOND GUST)
IMPORTANCE FACTOR	1.0
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
SNOW LOADS:	
SNOW EXPOSURE FACTOR, Ce	1.0
IMPORTANCE FACTOR	1.0
GROUND SNOW LOAD, Pg	10 PSF
THERMAL FACTOR, Ct	1.0
SEISMIC DATA:	
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	1.0
Ss=	0.2011
Sj=	0.0681
Sds=	0.1609
Sd1=	0.0772
SITE CLASS	
SEISMIC DESIGN CATEGORY	B
BASIC SEISMIC FORCE RESISTING SYSTEM:	
STEEL ORDINARY MOMENT FRAME SYSTEM	
R = 3.5	
Cd = 3	
Cs =	0.01
DESIGN BASE SHEAR	V = Cs*W
EQUIVALENT LATERAL FORCE PROCEDURE	

LIST OF DRAWINGS

- S1 GENERAL NOTES
- S2 FOUNDATION PLAN, FRAMING PLAN, FOUNDATION DETAILS
- S3 FRAMING & CONNECTION DETAILS

NO.	REVISION	DATE
1.	FOR PERMIT	01-18-2024

PROJECT NUMBER:
2109-031
IR 2206
ISSUE:
FOR PERMIT
DATE:
01-18-2024
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GENERAL NOTES



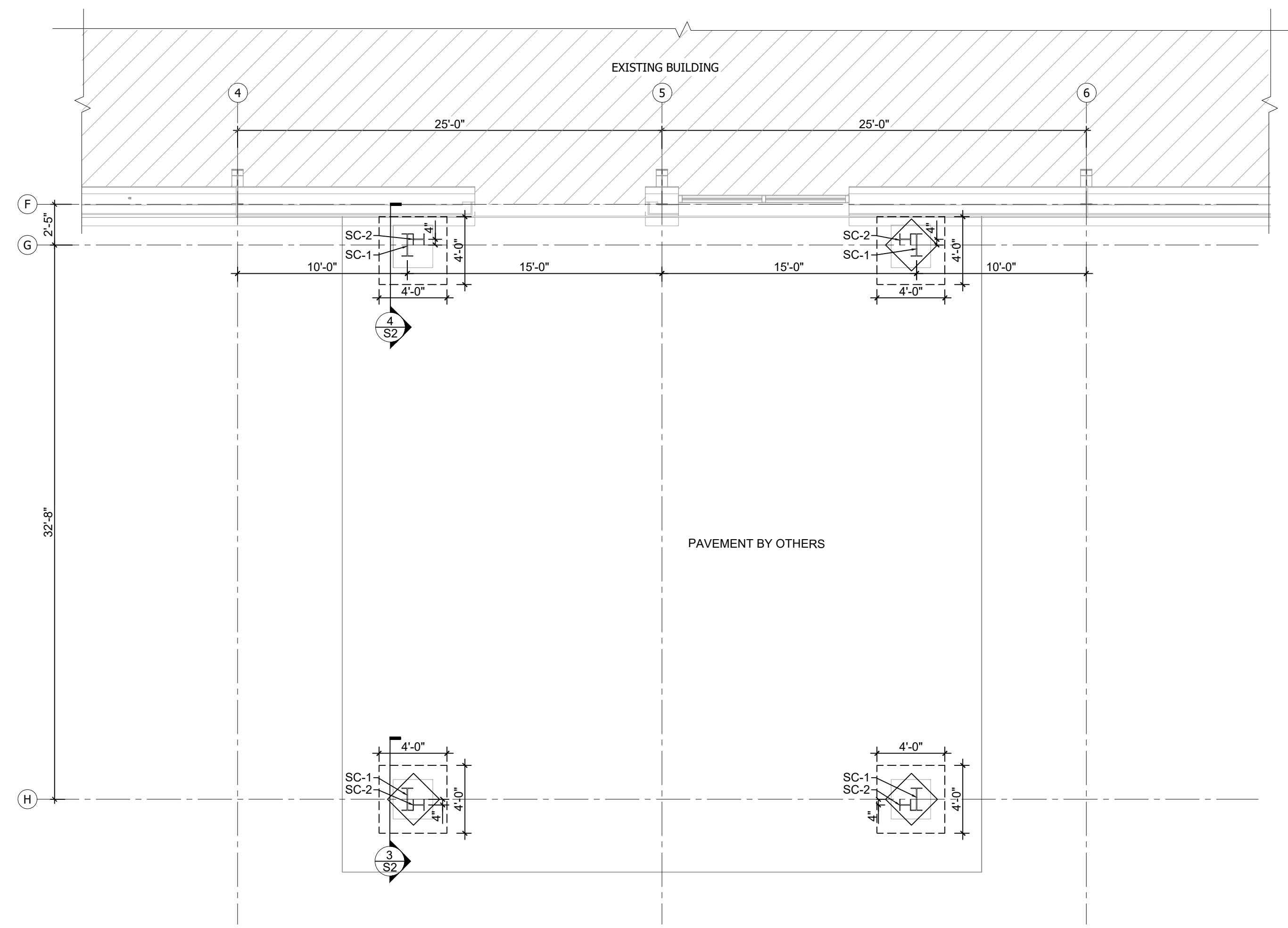
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GENERAL NOTE:
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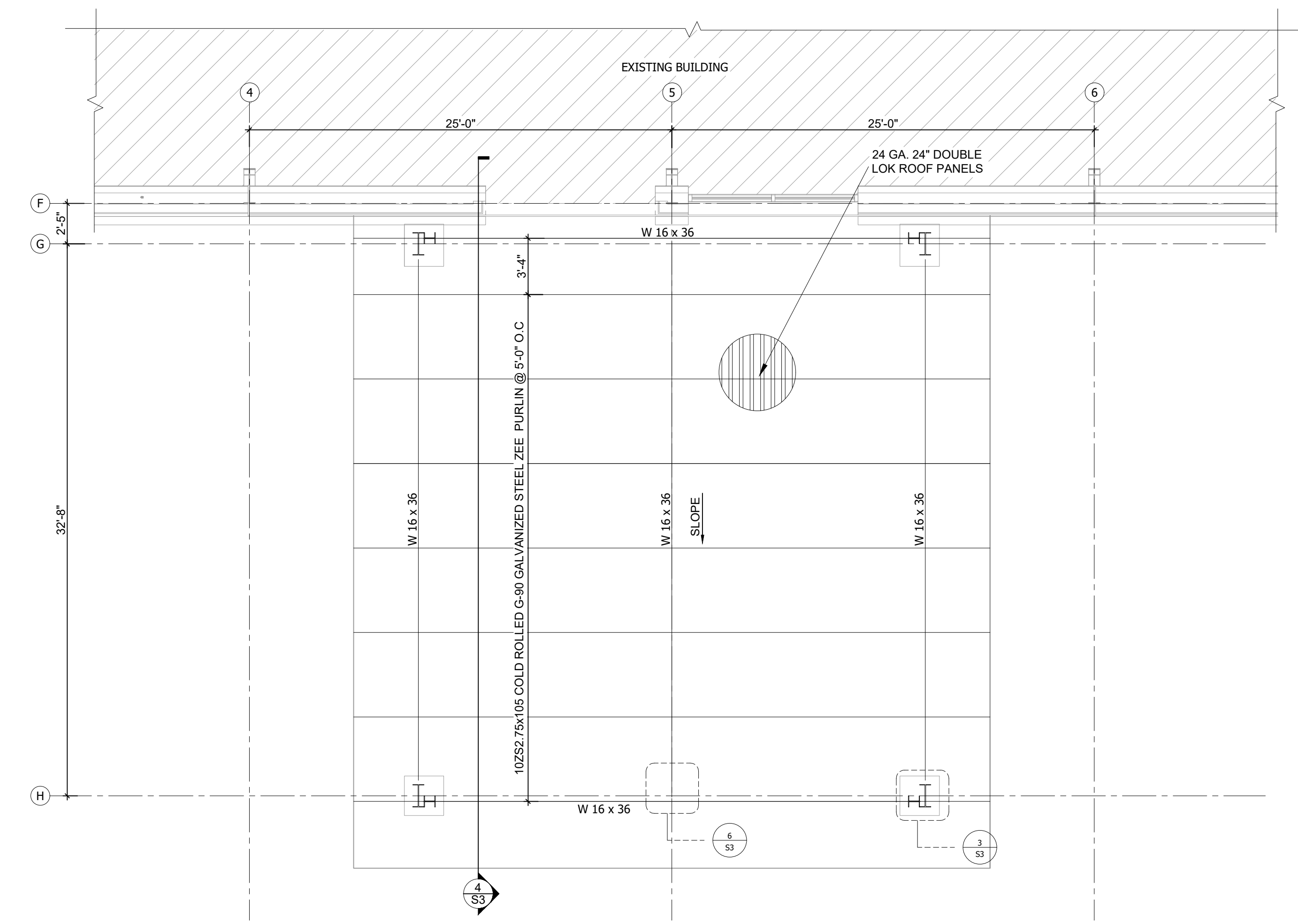
Ashley Bice P.E.
501.593.1298 - 405.255.2994
P.O. Box 26634
Little Rock, AR 72221
Ashley@biceconsulting.us



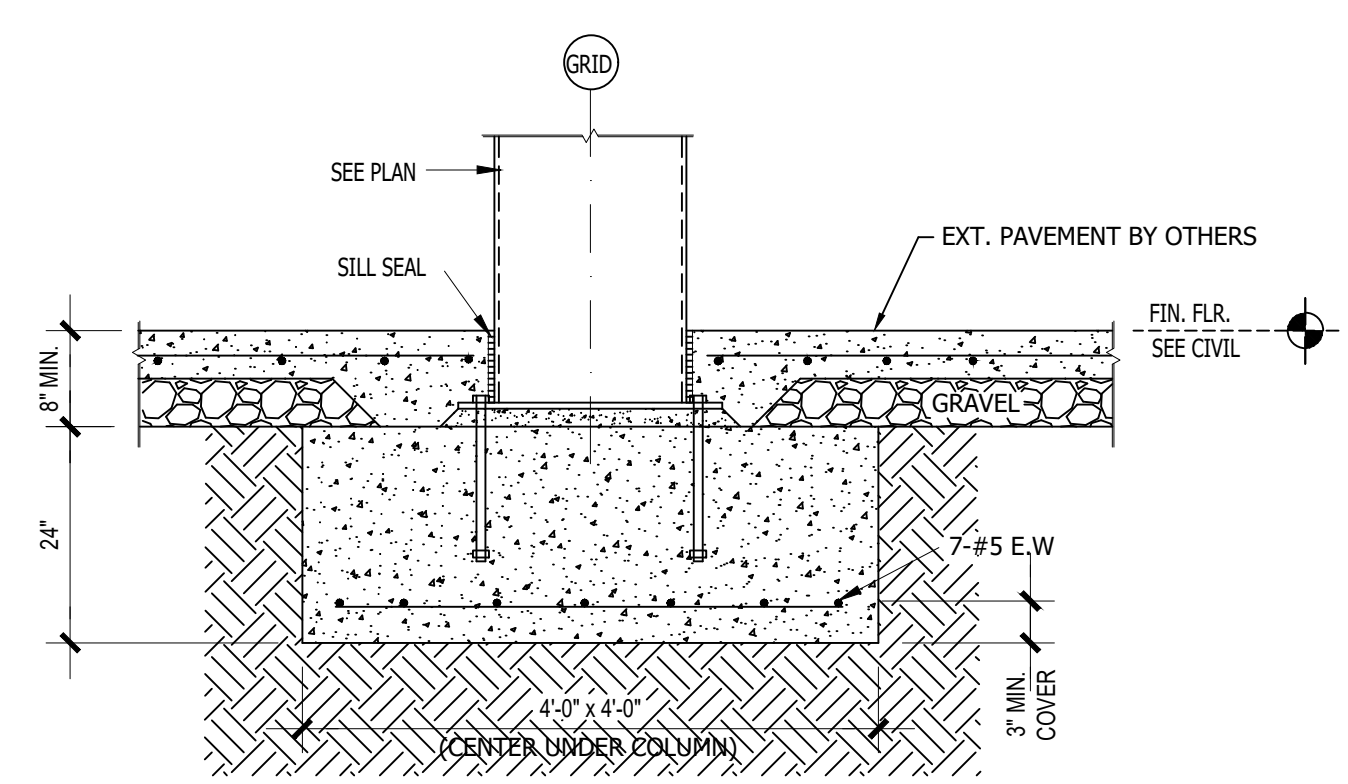
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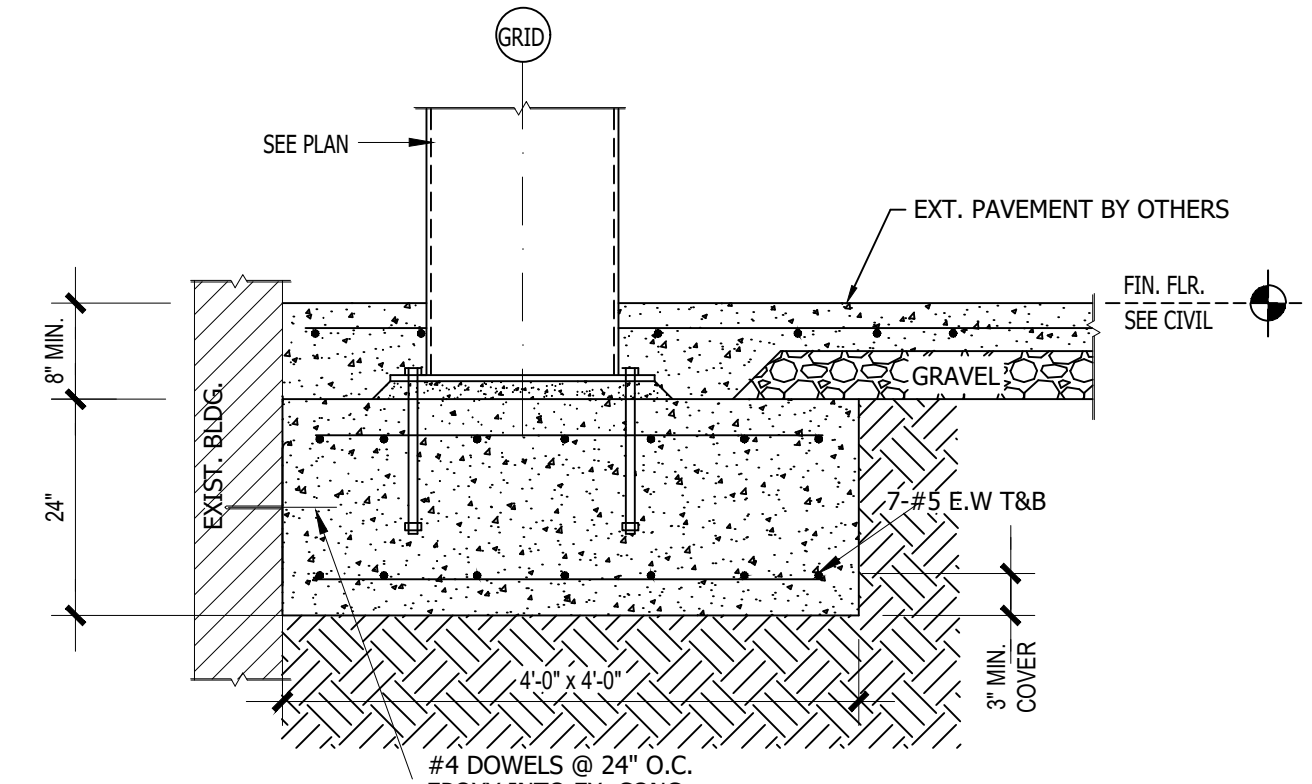
1 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



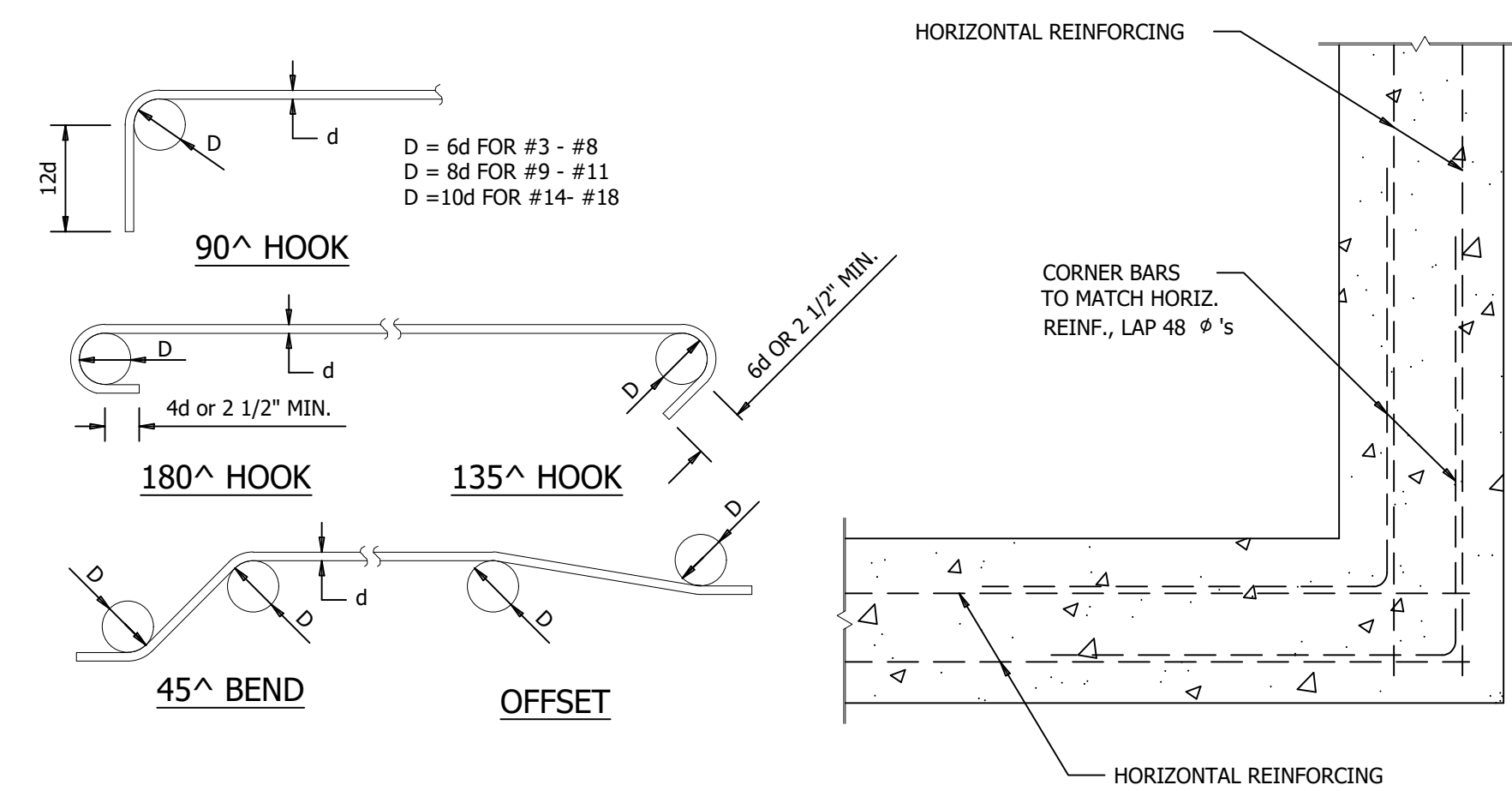
2 FRAMING PLAN
SCALE: 3/16" = 1'-0"



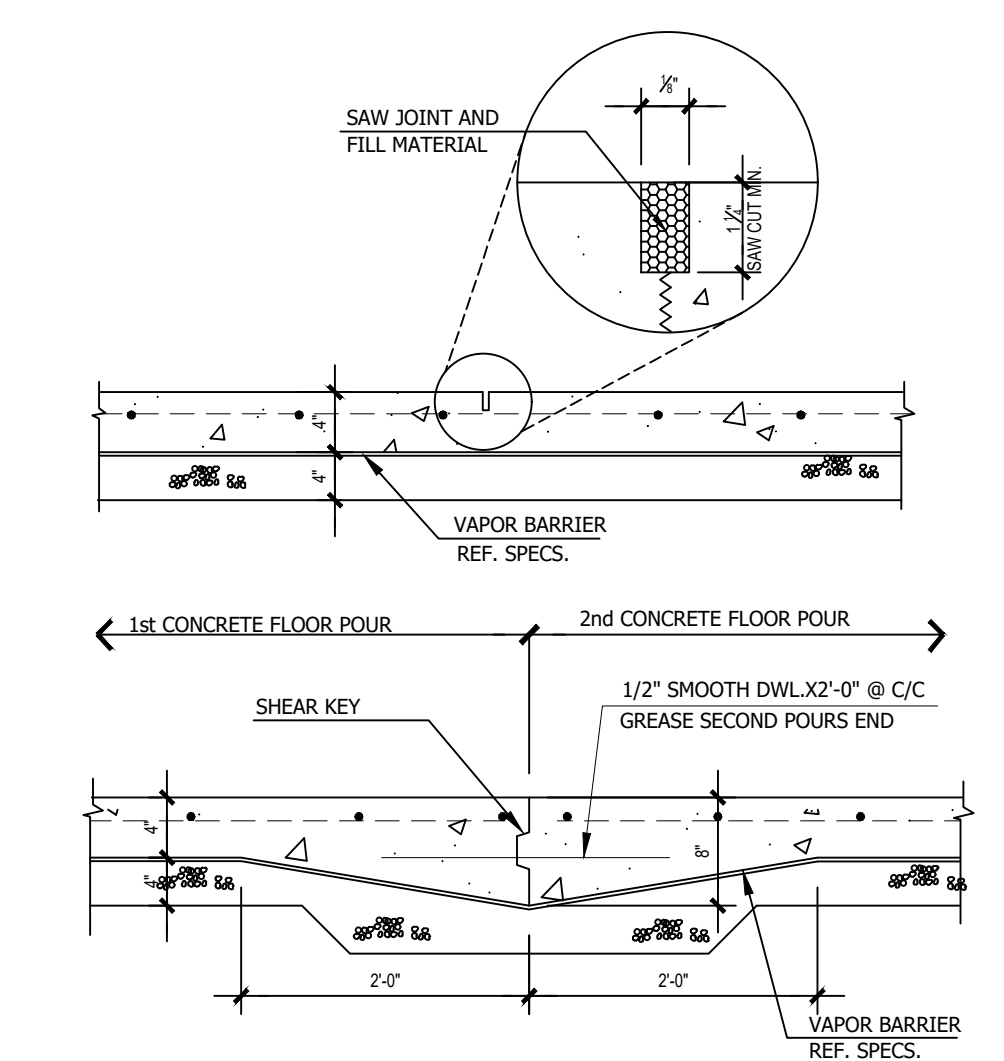
3 FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



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



5 REINFORCEMENT LAYOUT PLAN
SCALE: 1/2" = 1'-0"



6 SJ / CJ DETAIL
SCALE: 3/4" = 1'-0"

STEEL COLUMN SCHEDULE	
Mark	Size
SC-1	W16x36
SC-2	W8x31

- UNLESS NOTED OTHERWISE:
- PROVIDE (4) - 3/4 DIA. 1'-6" LONG ANCHOR RODS W/ DOUBLE NUT. EXTEND 12" MIN. INTO CONCRETE.
 - PROVIDE 1-1/2" NON-SHRINK GROUT BELOW THE BASE PLATE.
 - WELD SC-1 AND SC-2 TOGETHER. 3/16" FILLET WELD, 2" @ 16" O.C.

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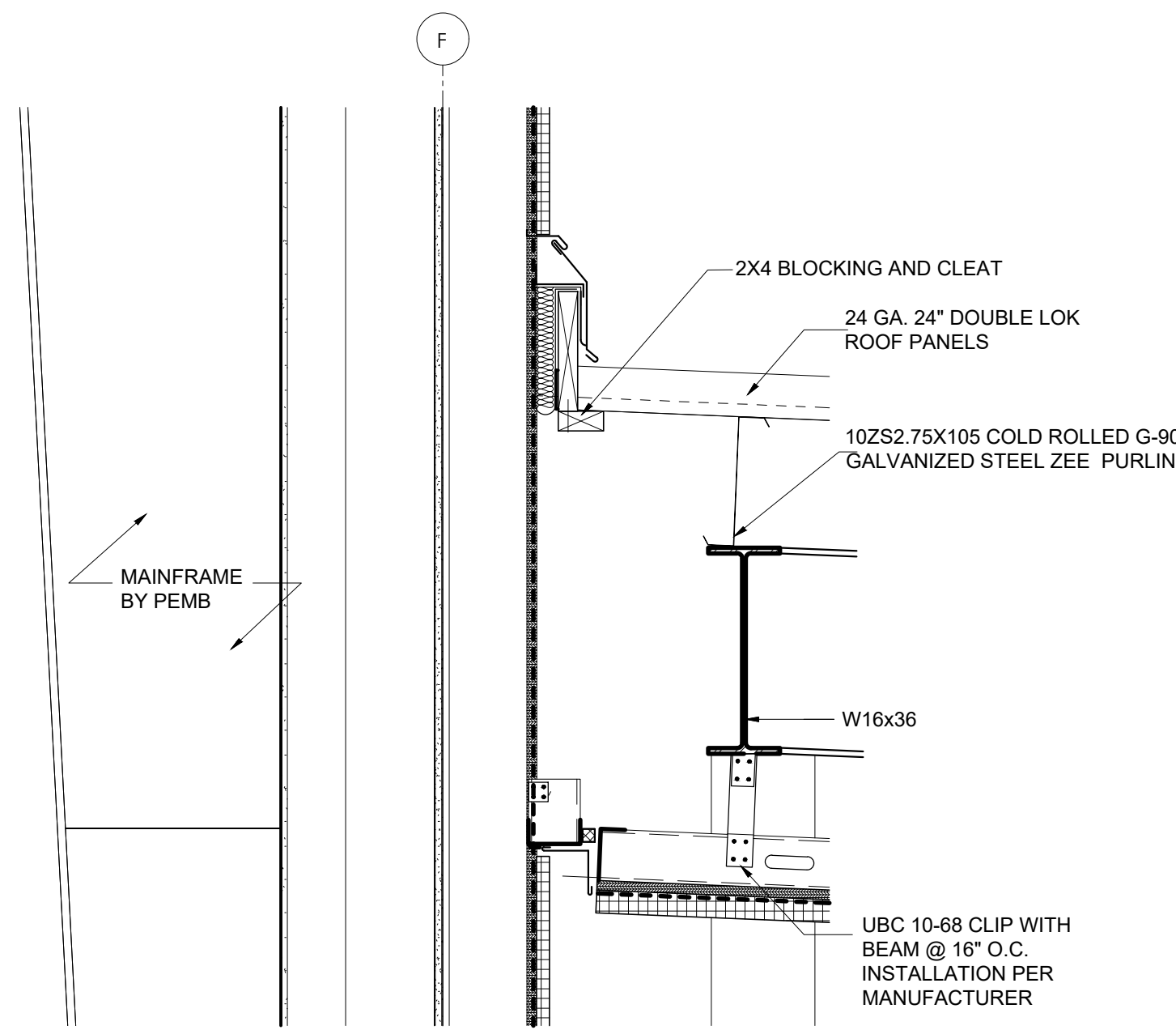
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01-18-2024
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SHEET TITLE:

**FOUNDATION PLAN
FRAMING PLAN
FOUNDATION DETAILS**

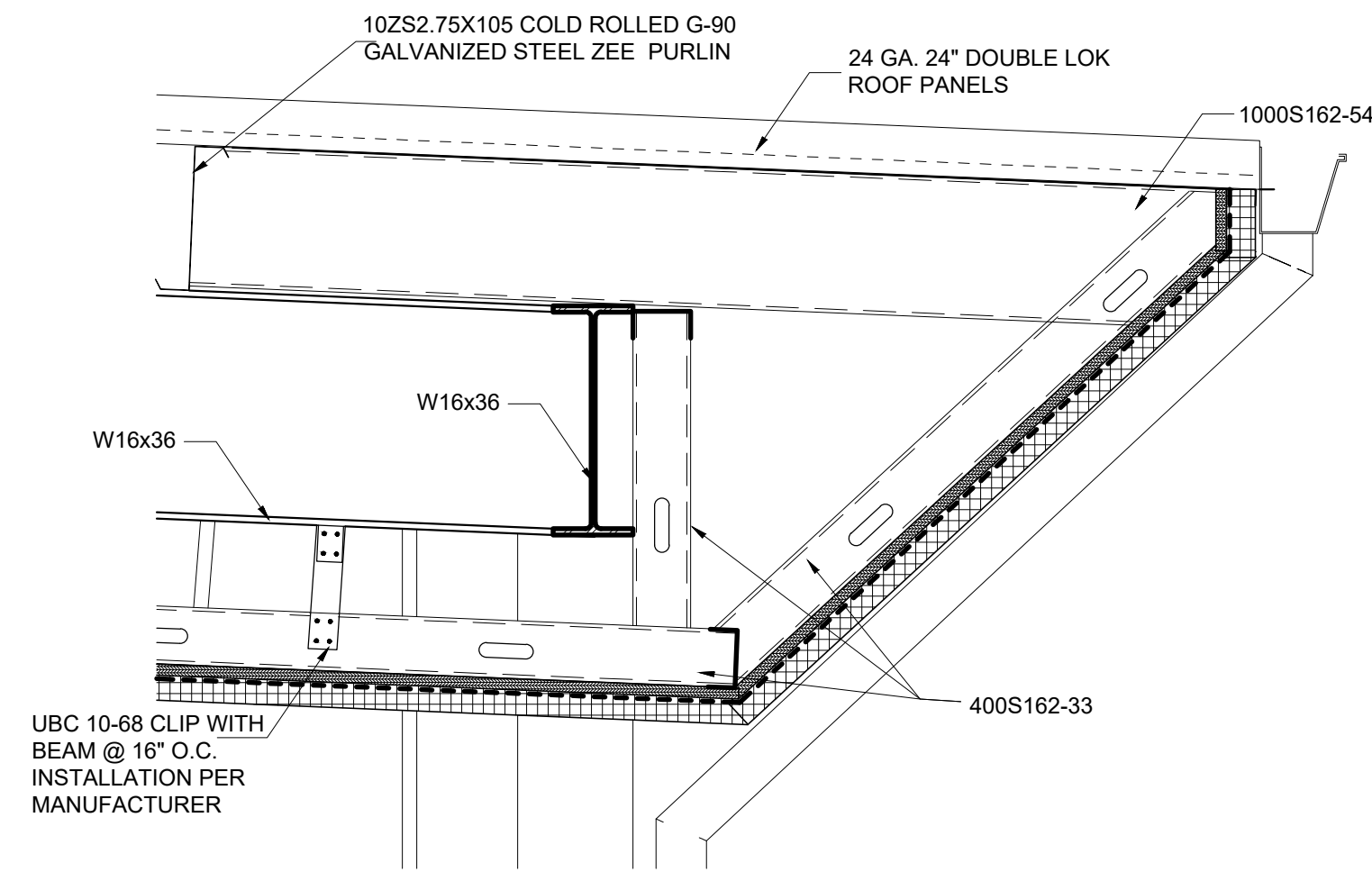
S2

GENERAL NOTE:
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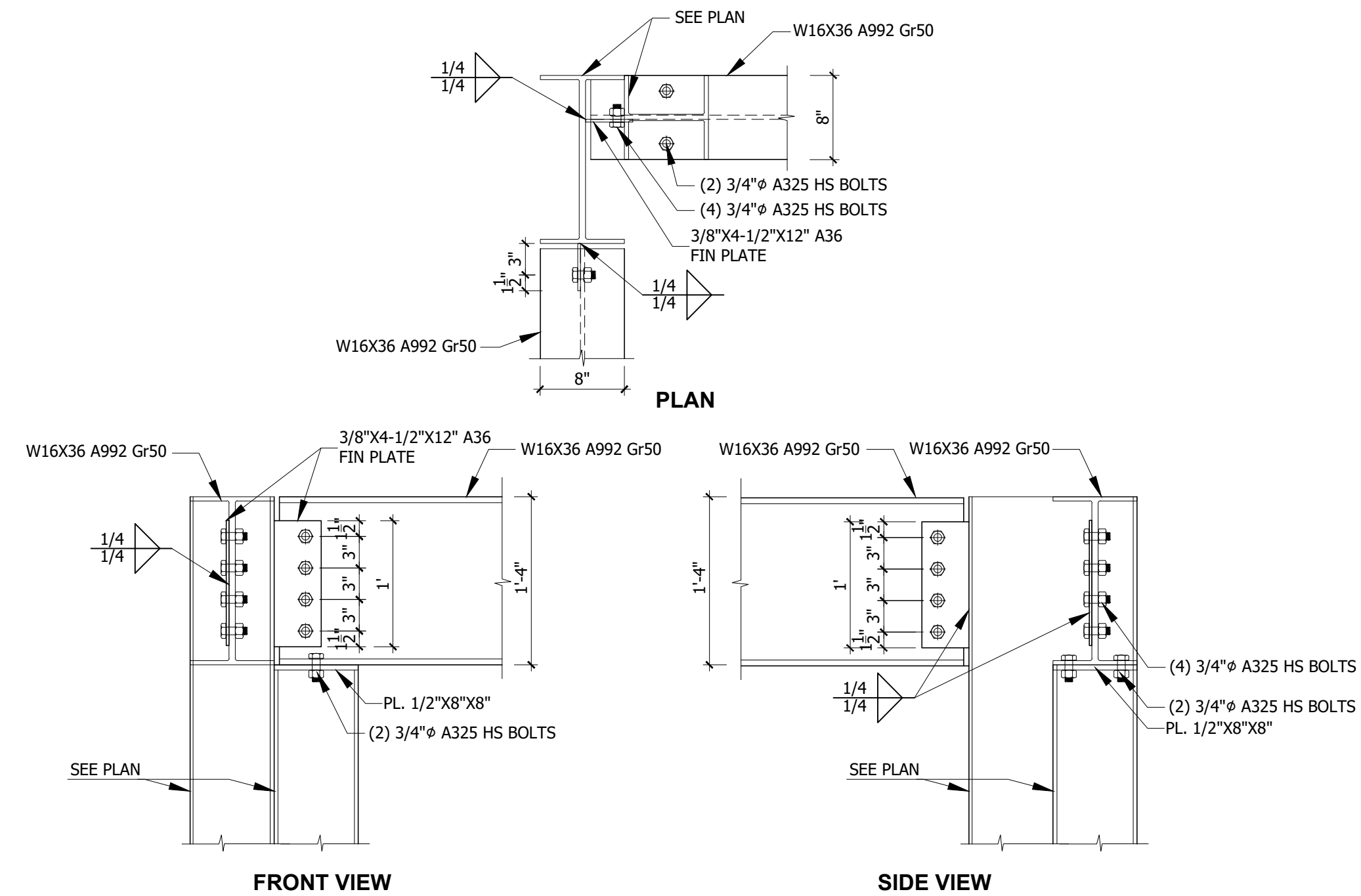
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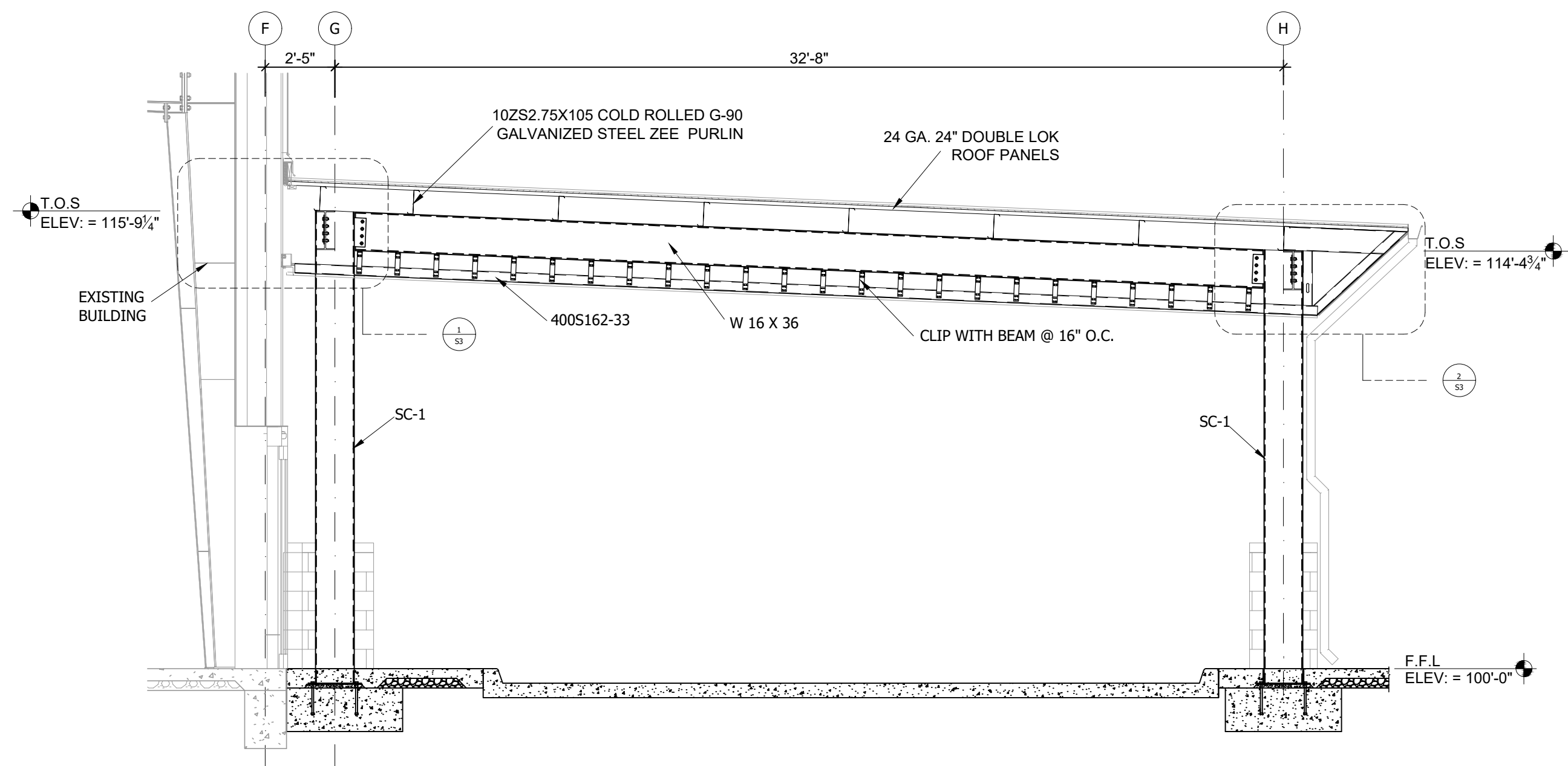
1 CONNECTION DETAIL
S3 SCALE: 1" = 1'-0"



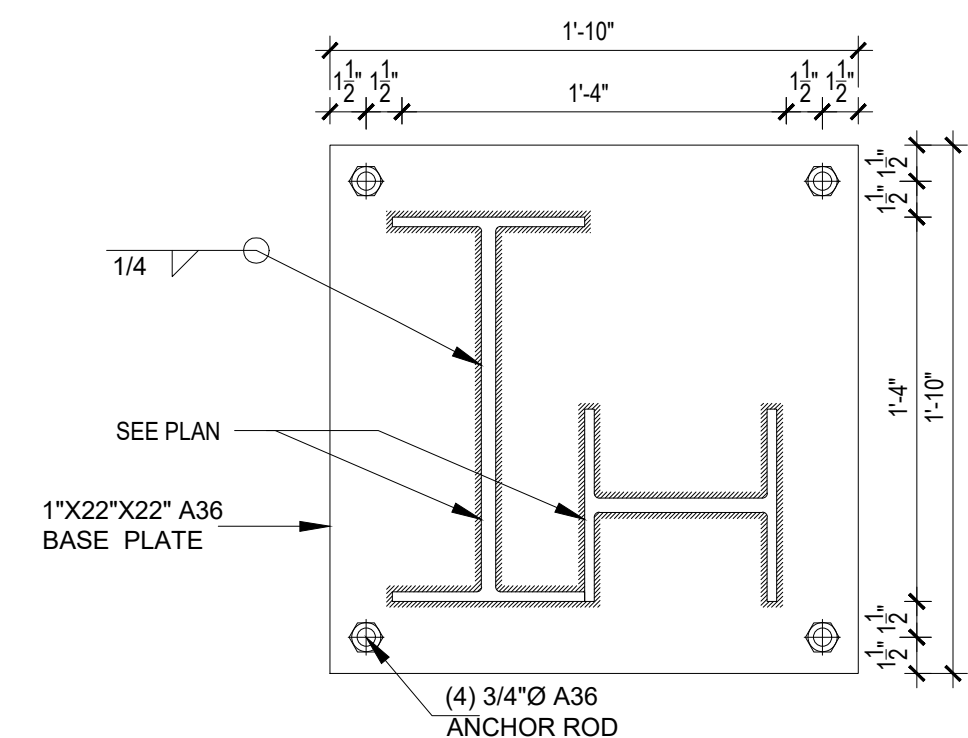
2 CONNECTION DETAIL
S3 SCALE: 1" = 1'-0"



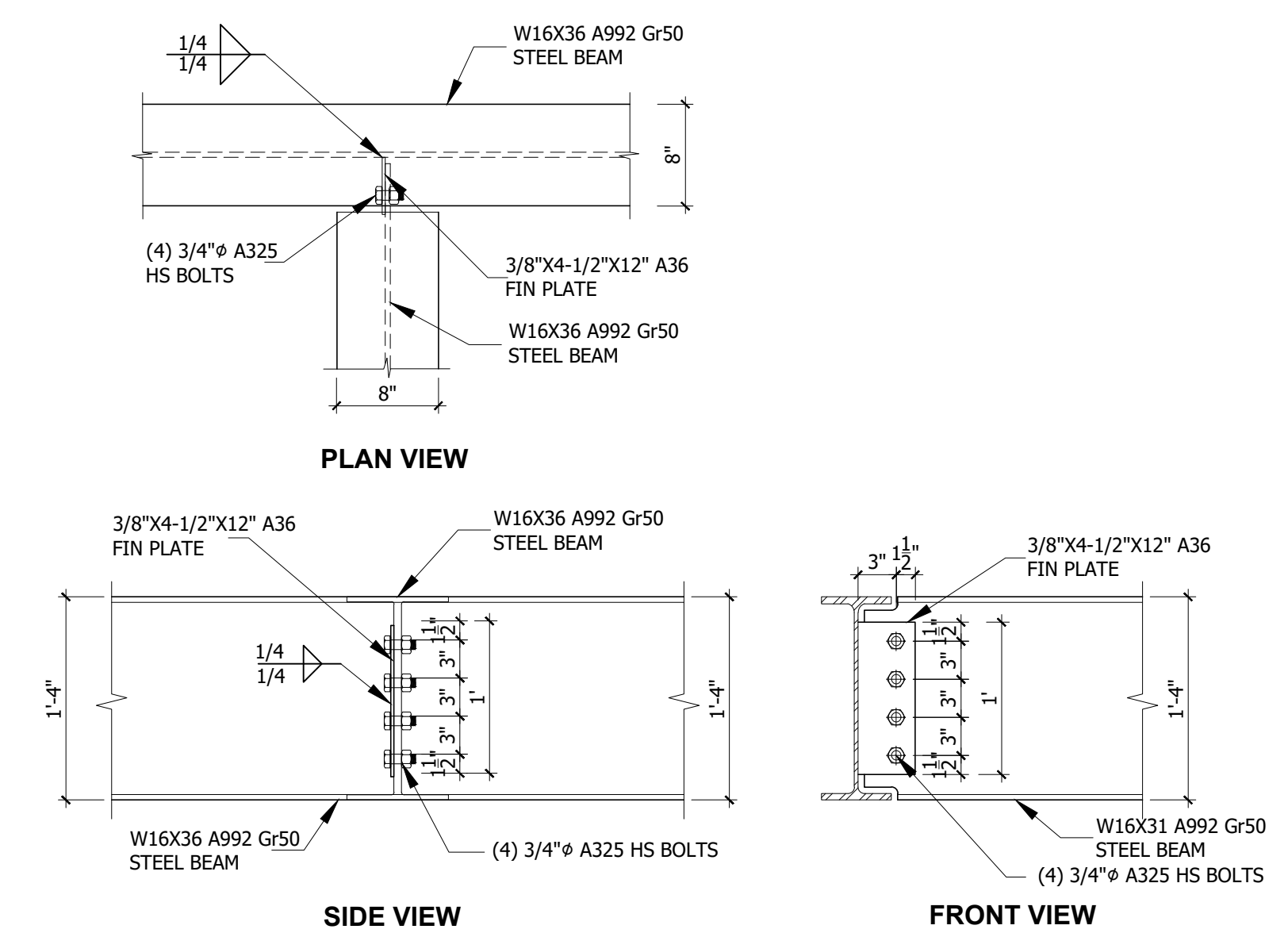
3 CONNECTION DETAIL
S3 SCALE: 1" = 1'-0"



4 SECTION
S3 SCALE: 1/4" = 1'-0"



5 BASEPLATE DETAIL
S3 SCALE: 1-1/2" = 1'-0"



6 CONNECTION DETAIL
S3 SCALE: 1" = 1'-0"

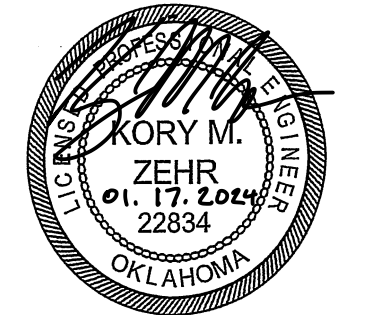


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**STRUCTURAL DETAILS
CONNECTION DETAILS**



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

111 EAST 3RD STREET
HOBERT, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

WWN

CHECKED BY:

GBS

SHEET TITLE:

**FIRE PROTECTION
DETAILS, SYMBOLS,
NOTES &
ABBREVIATIONS**

F001

GENERAL NOTES:

- COMPLY WITH CURRENT BUILDING, MECHANICAL, PLUMBING AND OTHER GOVERNING CODES, STATE STATUTES, CITY ORDINANCES, AND REGULATIONS OF REGULATORY BODIES HAVING JURISDICTION.
- INSTALL ALL PIPING AND FITTINGS IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES WHICH WILL ACHIEVE PERMANENTLY LEAKPROOF PIPING SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE WITHOUT FAILURE OR DEGRADATION OF SERVICE.
- ALL MATERIALS EXPOSED IN RETURN AIR PLENUM TO COMPLY WITH NFPA 90A FLAME SPREAD UNDER 25, SMOKE DEVELOPED AND FUEL CONTRIBUTED UNDER 50 FOR RETURN AIR PLENUMS.

**FIRE PROTECTION
GENERAL NOTES:**

- PROVIDE FIRE PROTECTION SYSTEM HYDRAULICALLY DESIGNED AND CALCULATED IN ACCORDANCE WITH NFPA-13 AND ALL APPLICABLE LOCAL CODES AND OWNERS INSURANCE UNDERWRITER REQUIREMENTS. REFER TO SPECIFICATIONS FOR OTHER GENERAL REQUIREMENTS IN ADDITION TO INFORMATION PROVIDED ON THE DRAWINGS.
- ALL AREAS SHALL BE FULLY SPRINKLED AND SPRINKLER HAZARD CLASSIFICATIONS SHALL BE IN ACCORDANCE WITH NFPA.
- REFER TO ARCHITECTURAL PLANS INCLUDING REFLECTED CEILING PLAN AND THE MECHANICAL AND ELECTRICAL PLANS FOR LOCATIONS OF CEILING, DIFFUSERS, LIGHTS AND OTHER CEILING ORNAMENTATION; FIELD VERIFY ALL FINAL SPRINKLER LOCATIONS AND PIPE ROUTING AND MAKE ALL NECESSARY ADJUSTMENTS IN FABRICATION TO ELIMINATE CONFLICTS.
- ALL PIPE REDUCTIONS SHALL UTILIZE STANDARD REDUCING FITTINGS. REDUCING-TYPE MECHANICAL COUPLINGS ARE STRICTLY PROHIBITED.
- AVOID ROUTING SPRINKLER PIPING THROUGH SWITCHGEAR ROOMS, ELECTRICAL CLOSETS, TELEPHONE EQUIPMENT CLOSETS, COMM/IDF CLOSETS, DATA PROCESSING ROOMS, ELEVATOR MACHINE ROOMS, DUMBWATERS, AND SIMILAR SPACES.
- PROVIDE FREEZE PROOF HEADS OR FREEZE PROOF SYSTEM IN ANY AREA SUBJECT TO FREEZE.
- CONTACT CITY OF HOBERT WATER DEPARTMENT FOR CURRENT WATER FLOW INFORMATION.
- PROVIDE SPRINKLERS AT TOP AND BOTTOM OF ELEVATOR SHAFTS AND IN ELEVATOR MACHINE ROOMS. PROVIDE FIRE PROTECTION CONTROL VALVE WITH VALVE POSITION INDICATOR (TAMPER SWITCH) FOR ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS. INTERFACE WITH BUILDING FIRE ALARM IN ACCORDANCE WITH NFPA AND ANSI.
- ACCURATELY ALIGN SPRINKLER HEADS IN HUNG CEILING AREAS SYMMETRICALLY WITH DIFFUSERS, GRILLES, LIGHTING FIXTURES AND CEILING TILES.
- INSTALL HEADS IN CENTER OF TILES. THIS MAY RESULT IN ADDITIONAL HEADS WHICH SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER UNLESS INDICATED OTHERWISE.
- PITCH SPRINKLER PIPING TO MAIN AND AUXILIARY DRAIN OUTLETS TO PROVIDE FOR COMPLETE DRAINAGE. NUMBER OF DRAIN OUTLETS SHALL BE KEPT TO A MINIMUM.
- SLOPE OF HORIZONTAL RUNS OF DRAIN PIPING SHALL BE 1/8 IN. PER FT FOR 2 1/2 INCH DIAMETER AND LESS AND 1/16 INCH PER FOOT FOR LARGER DIAMETERS.
- INSTALL PIPING APPROXIMATELY AS INDICATED AND MODIFY TO SUIT BUILDING CONDITIONS AND TO AVOID INTERFERENCES WITH OTHER TRADES. MAINTAIN ACCESS TO ALL PARTS OF PIPING SYSTEMS AND DUCT WORK AND MAINTAIN REQUIRED PITCH.
- PROVIDE ADDITIONAL OFFSETS, FITTINGS, VALVES, DRAINS, ETC., WHERE REQUIRED BY CONSTRUCTION AND WORK OF OTHER TRADES.
- RUN IN CHASES, RECESSES, SHAFTS, HUNG CEILINGS AND BEAM CUTS WHERE APPLICABLE. DO NOT COVER BEFORE EXAMINATION AND TESTING. RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND OTHER PIPING, NEATLY SPACED AND WITH PLUMBING RISERS.
- PROVIDE CONTROL VALVES WHERE NOTED OR REQUIRED. VALVES SHALL BE ACCESSIBLE, BUT NO GATE VALVE HANDLE SHALL BE POINTING DOWN. BUTTERFLY VALVE SHALL BE INSTALLED WITH OPERATOR ON SIDE.
- PROVIDE MAIN AND AUXILIARY DRAIN CONNECTIONS THROUGHOUT AS REQUIRED FOR COMPLETE DRAINAGE OF PIPING.
- ROUTE SPRINKLER BRANCH PIPING DIRECTLY TO SPRINKLER HEADS AND AVOID ROUTING MAINS ABOVE I.T. AND CONTROL ROOMS. PROVIDE DRIP PANS UNDER PIPING IF CANNOT AVOID ROUTING ABOVE EQUIPMENT.

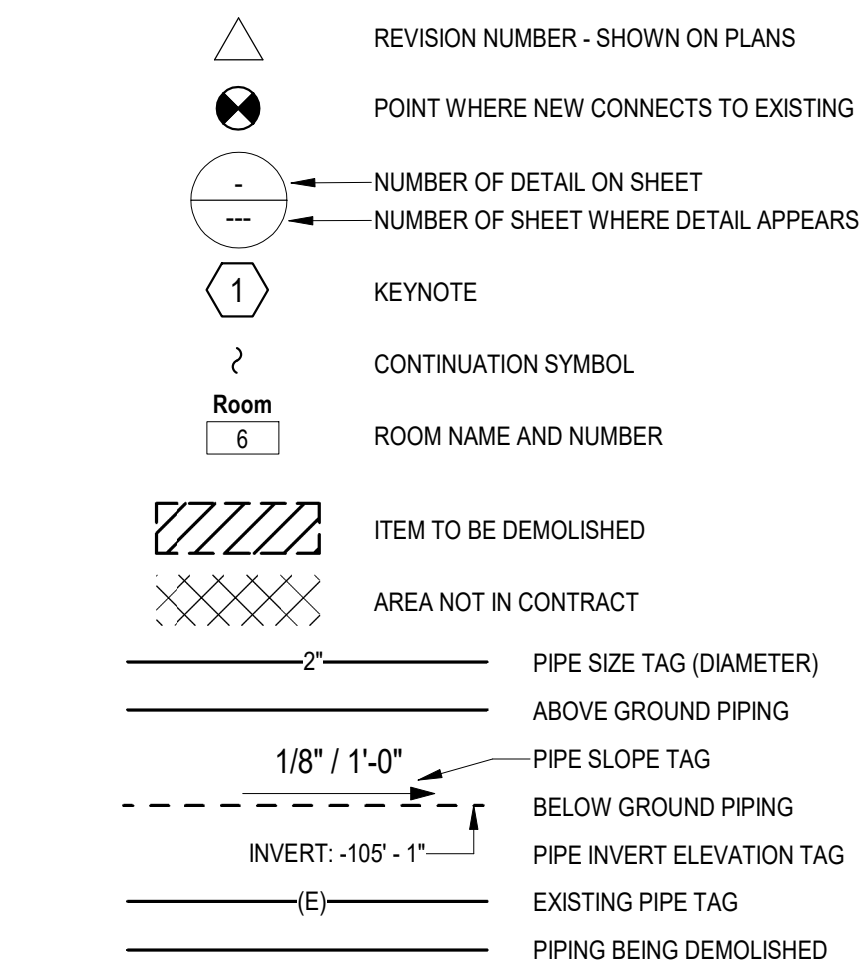
FIRE PROTECTION SHEET INDEX

F001	FIRE PROTECTION DETAILS, SYMBOLS, NOTES & ABBREVIATIONS
F101	LEVEL 1 FIRE PROTECTION PLAN

NOTE

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

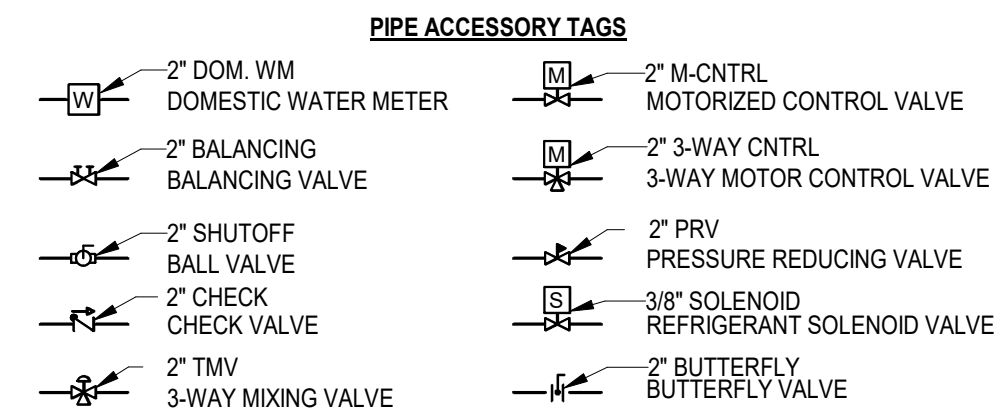
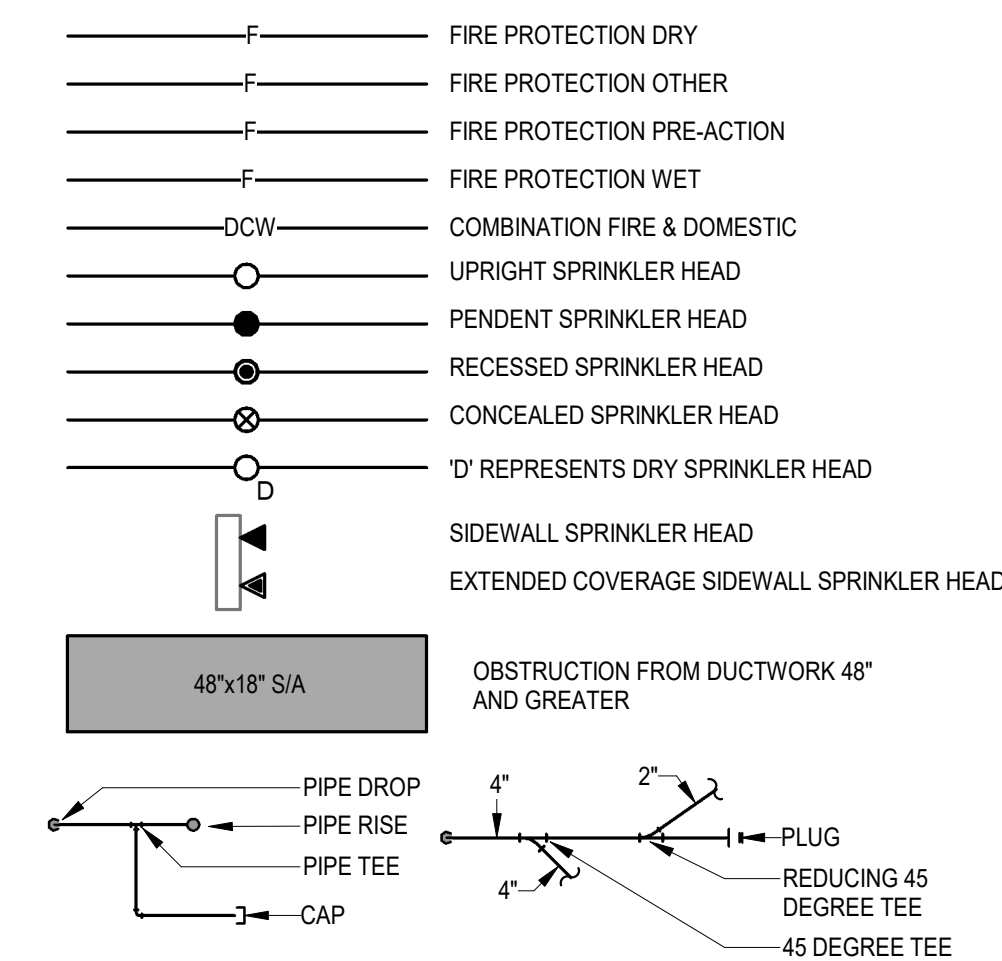
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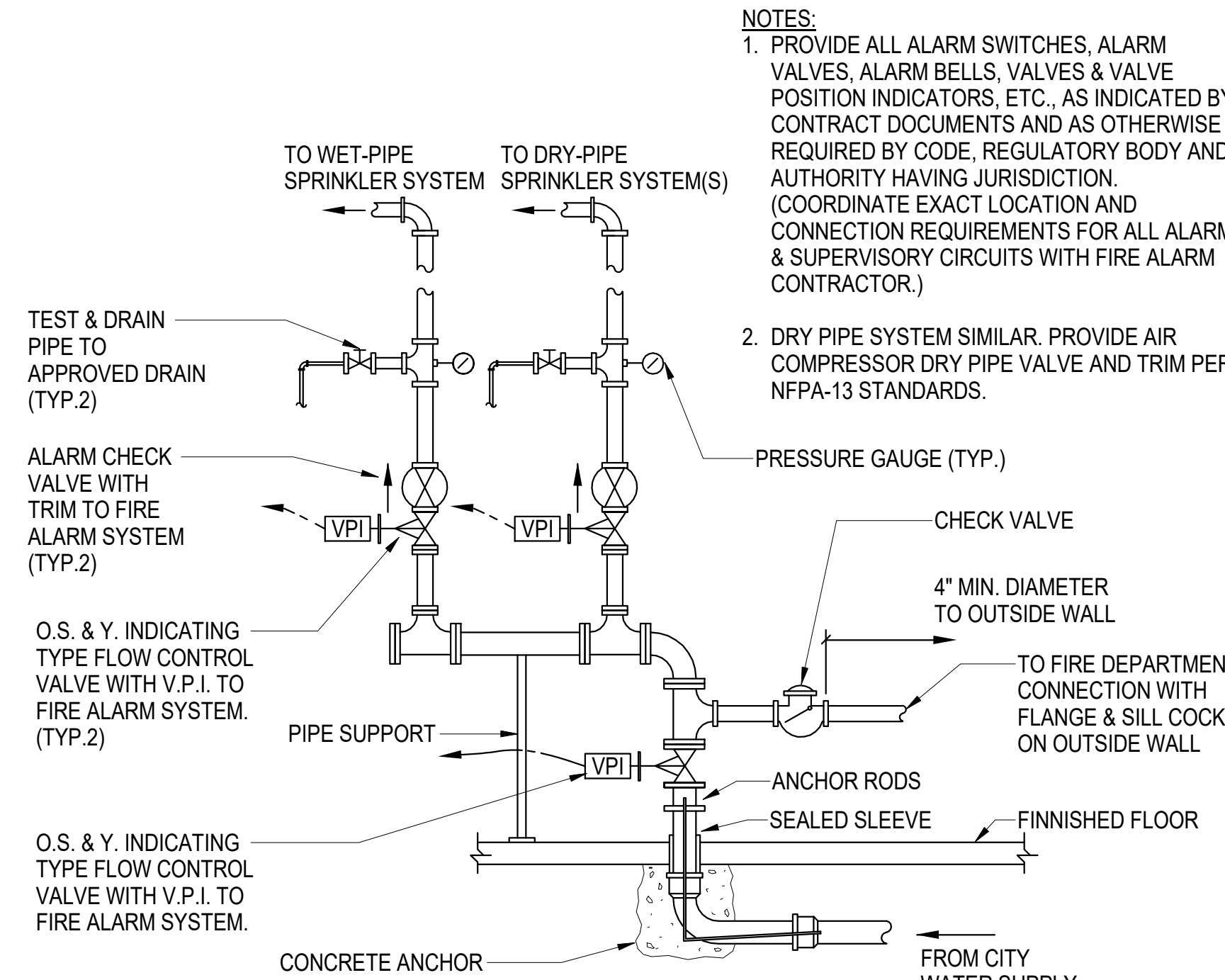
ABBREVIATIONS:

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MJ/A	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWIT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RL/A	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FS	FLOOR FINISH	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	V	VENT
LB	POUND	VTR	VENT THROUGH ROOF
LBHR	POUNDS PER HOUR	W	WASTE
LT	LEAVING AIR TEMPERATURE	W	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

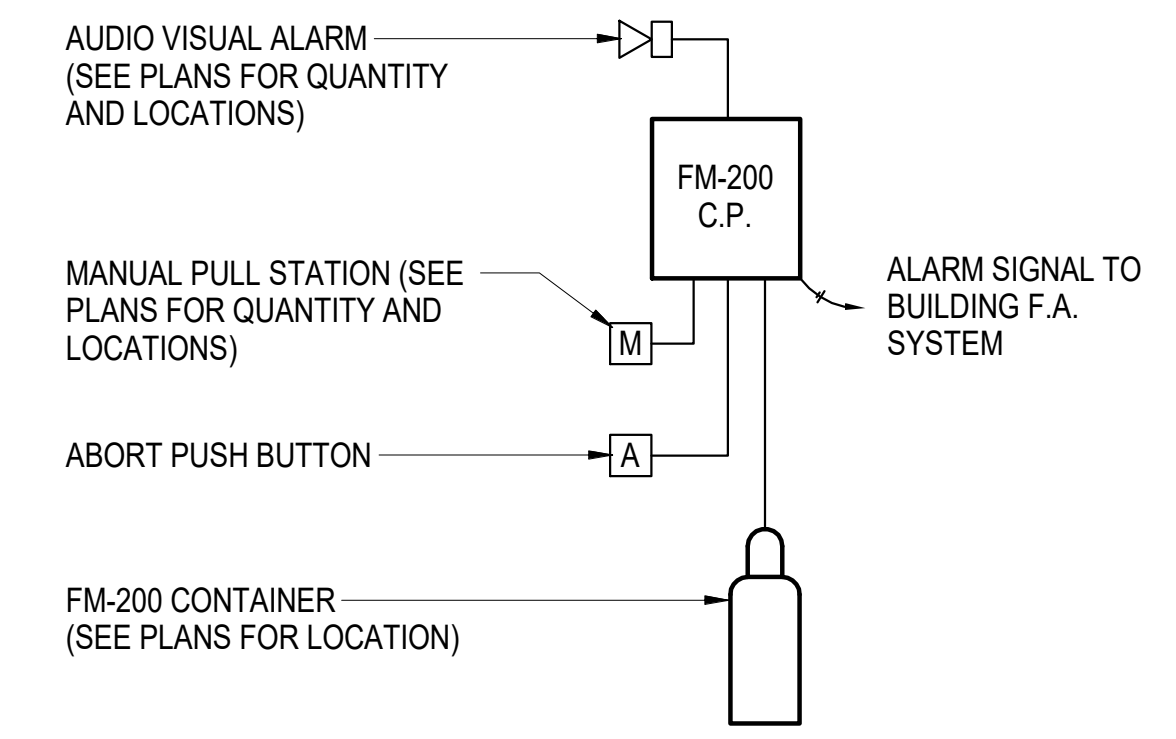
FIRE PROTECTION SYMBOLS:



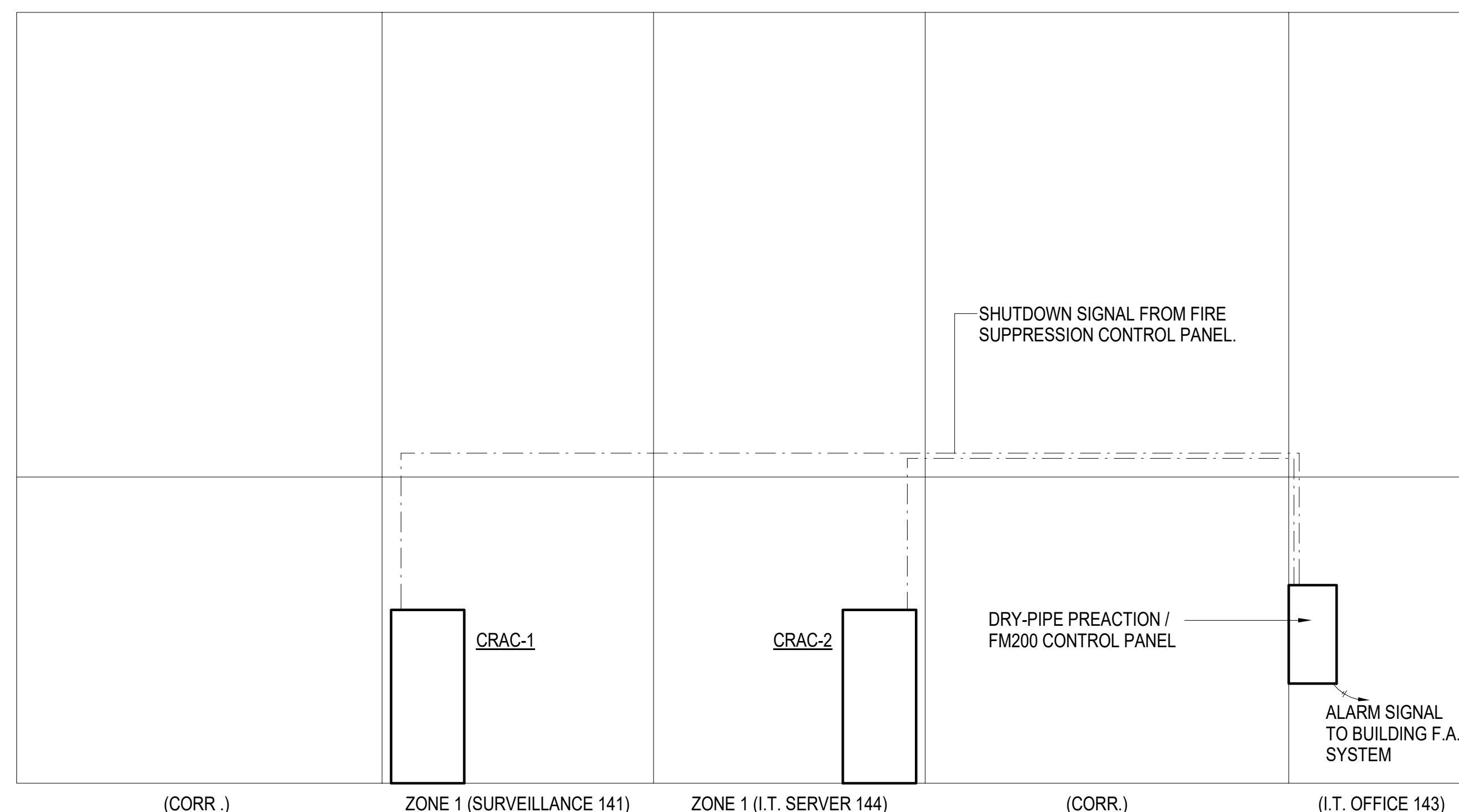
A FIRE RISER DETAIL
SCALE: NONE



B FM-200 SYSTEM CONTROL DIAGRAM (TYPICAL)
SCALE: NONE



C FM-200/DRY-PIPE PREACTION CONTROL DIAGRAM
SCALE: NONE





DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

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2109-031

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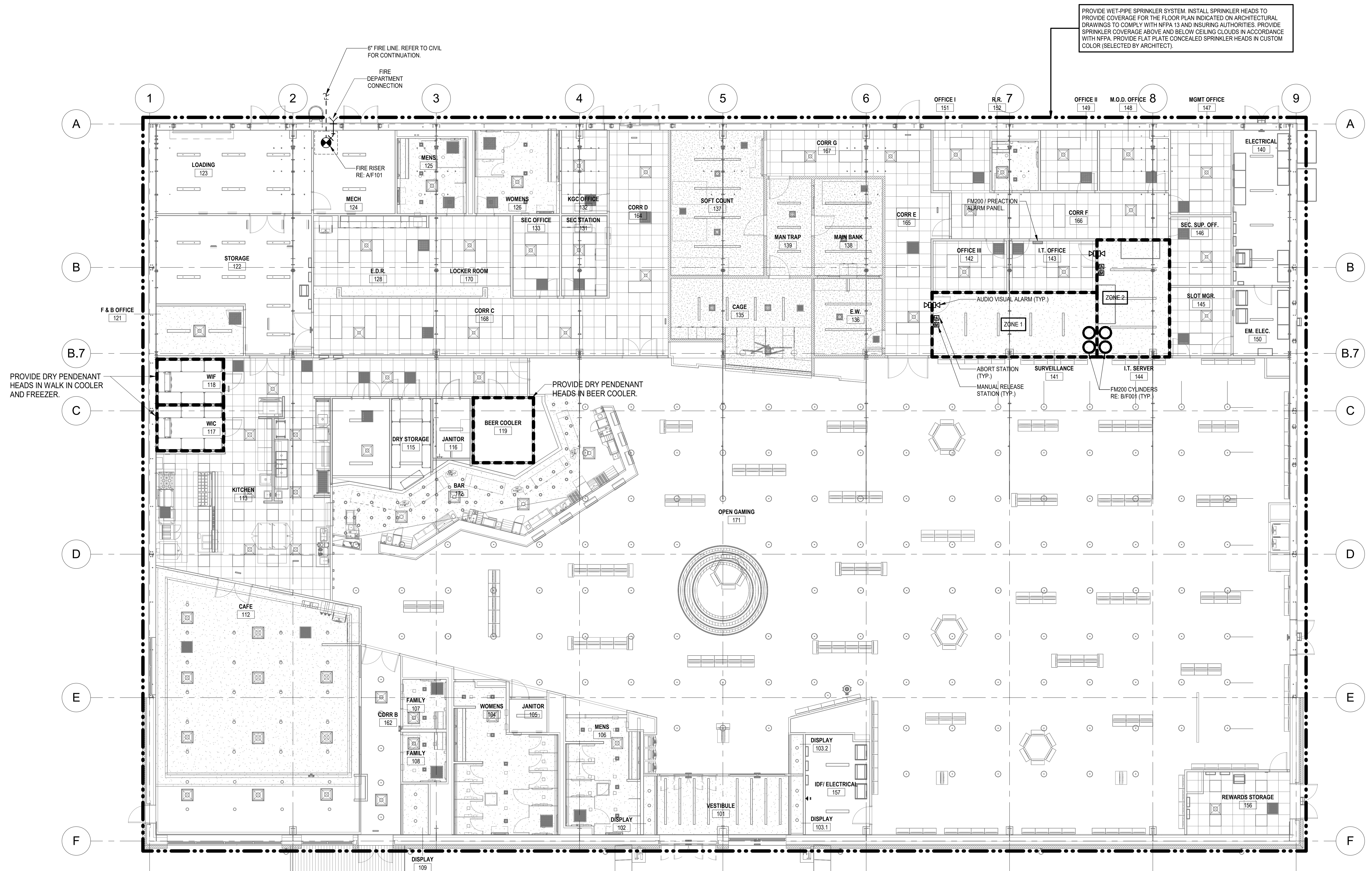
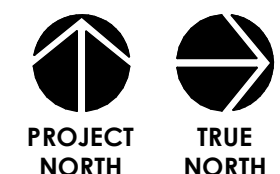
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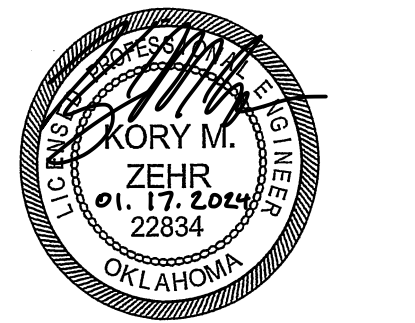
LEVEL 1 FIRE
PROTECTION PLAN

F101



1 FIRE PROTECTION PLAN
1/8" = 1'-0"

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KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

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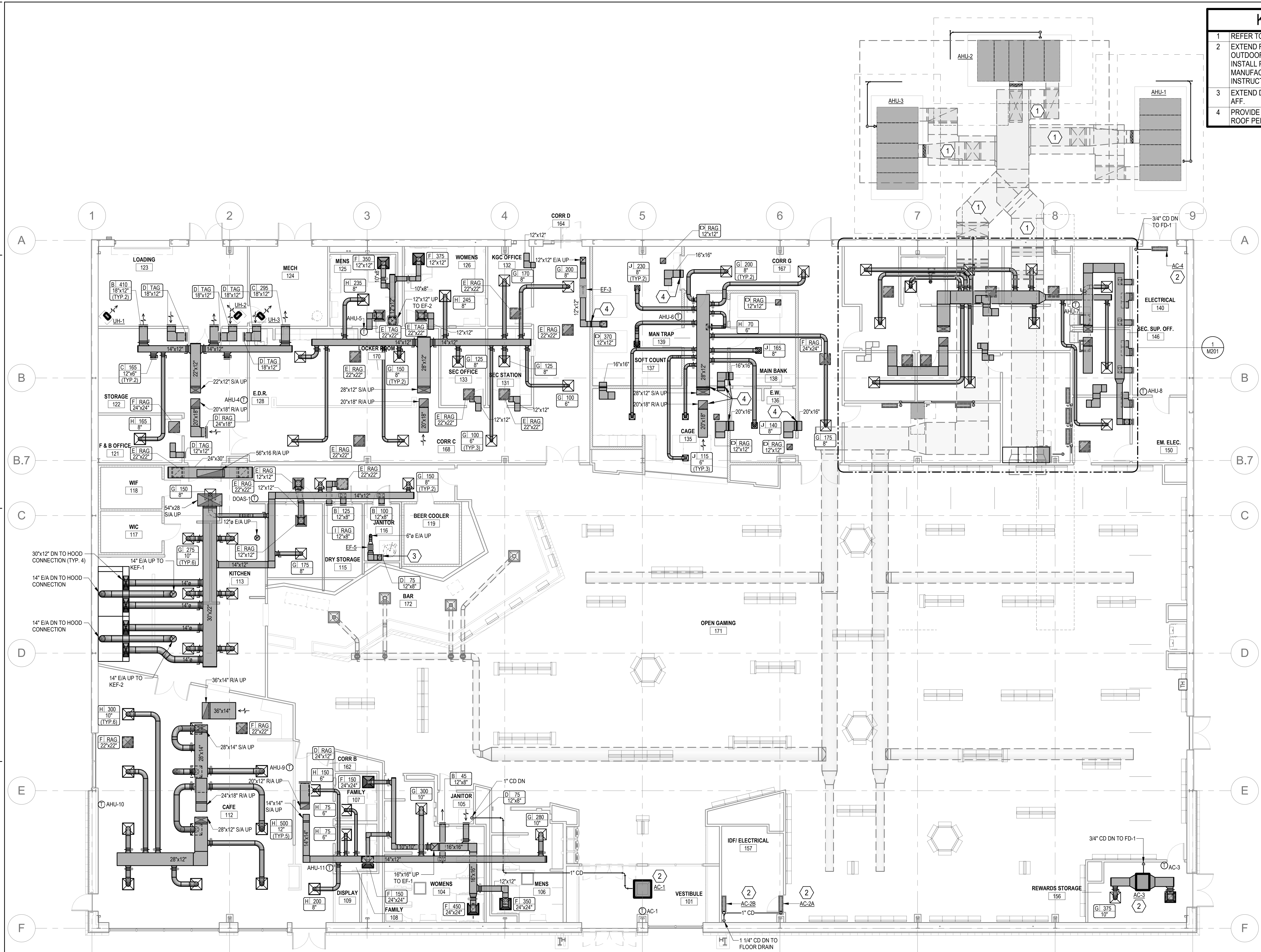
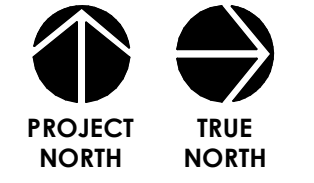
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SHEET TITLE:

LEVEL 1 HVAC PLAN

M101

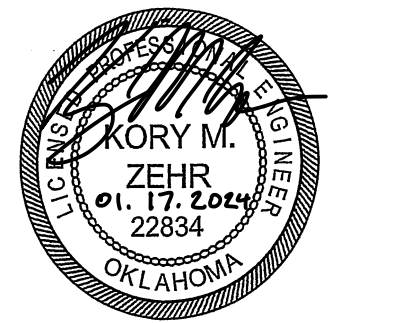
KEYNOTES	
1	REFER TO 1/M101A FOR DUCT SIZES
2	EXTEND REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT. SIZE AND INSTALL PIPING IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS (TYP.)
3	EXTEND DUCT DOWN FACE OF WALL TO 12" AFF.
4	PROVIDE SECURITY BARS IN DUCT WALL / ROOF PENETRATIONS.

EXTEND ALL UNIT CONDENSATE PIPING TO NEAREST SUITABLE DRAIN (TYPICAL).



1 LEVEL 1 HVAC PLAN
1/8" = 1'-0"

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SHEET TITLE:

**OPEN GAMING HVAC
PLAN**

M101A

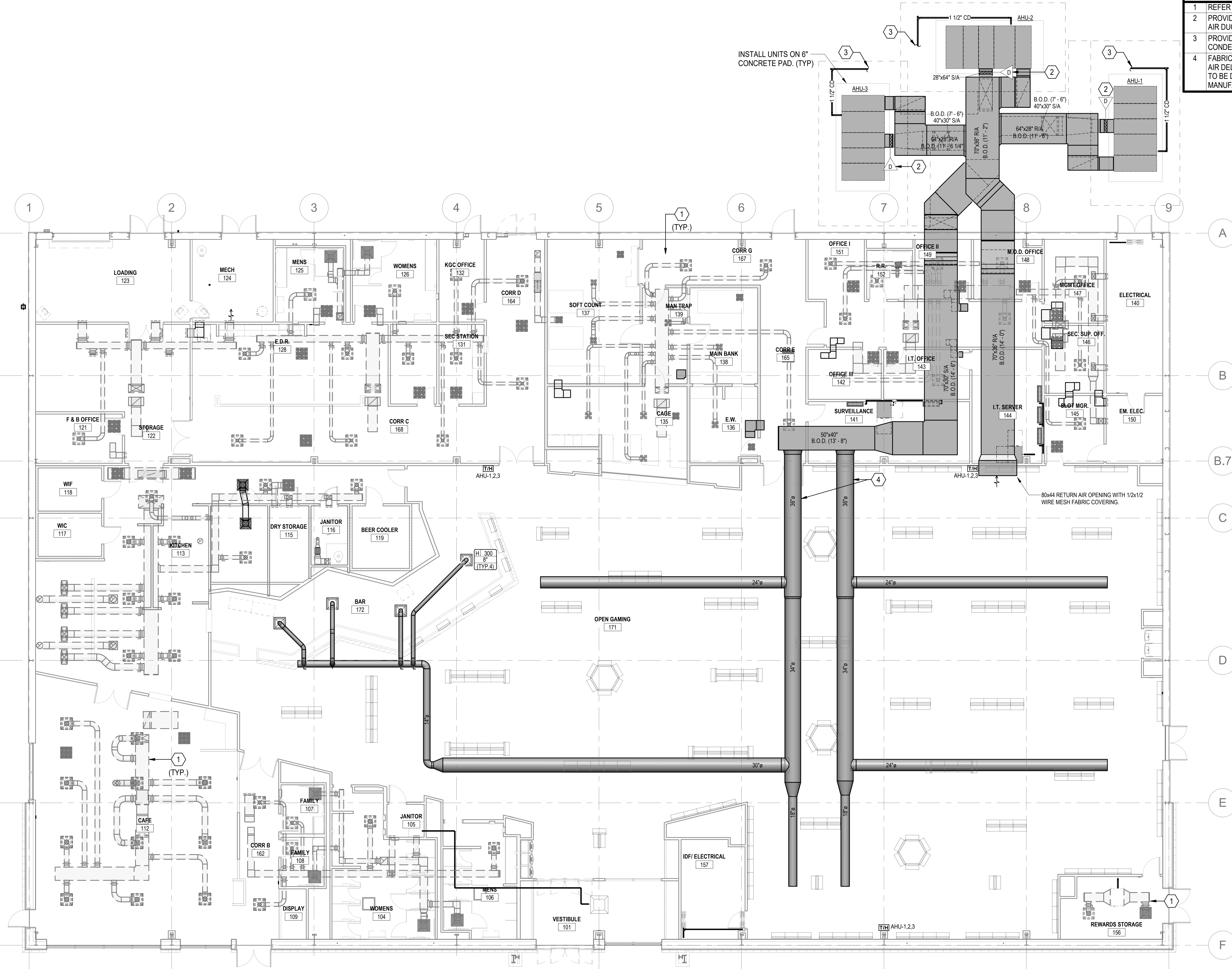
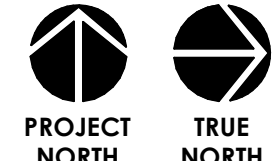
KEYNOTES

- 1 REFER TO 1/M101 FOR DUCT SIZES
- 2 PROVIDE BACKDRAFT DAMPER IN SUPPLY AIR DUCT.
- 3 PROVIDE 2'x2'x4' DRY WELLS. EXTEND AHU CONDENSATE DRAIN TO DRY WELL. (TYP.)
- 4 FABRIC DUCT WITH PERFORATED SUPPLY AIR DELIVERY. FINAL ROUTING AND SIZING TO BE DETERMINED BY FABRIC DUCT MANUFACTURER.

INSTALL UNITS ON 6" CONCRETE PAD. (TYP)

50x44 RETURN AIR OPENING WITH 1/2x1/2 WIRE MESH FABRIC COVERING.

EXTEND ALL UNIT CONDENSATE PIPING TO NEAREST SUITABLE DRAIN (TYPICAL).



1 OPEN GAMING HVAC PLAN
1/8" = 1'-0"

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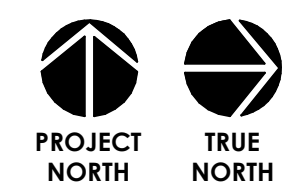
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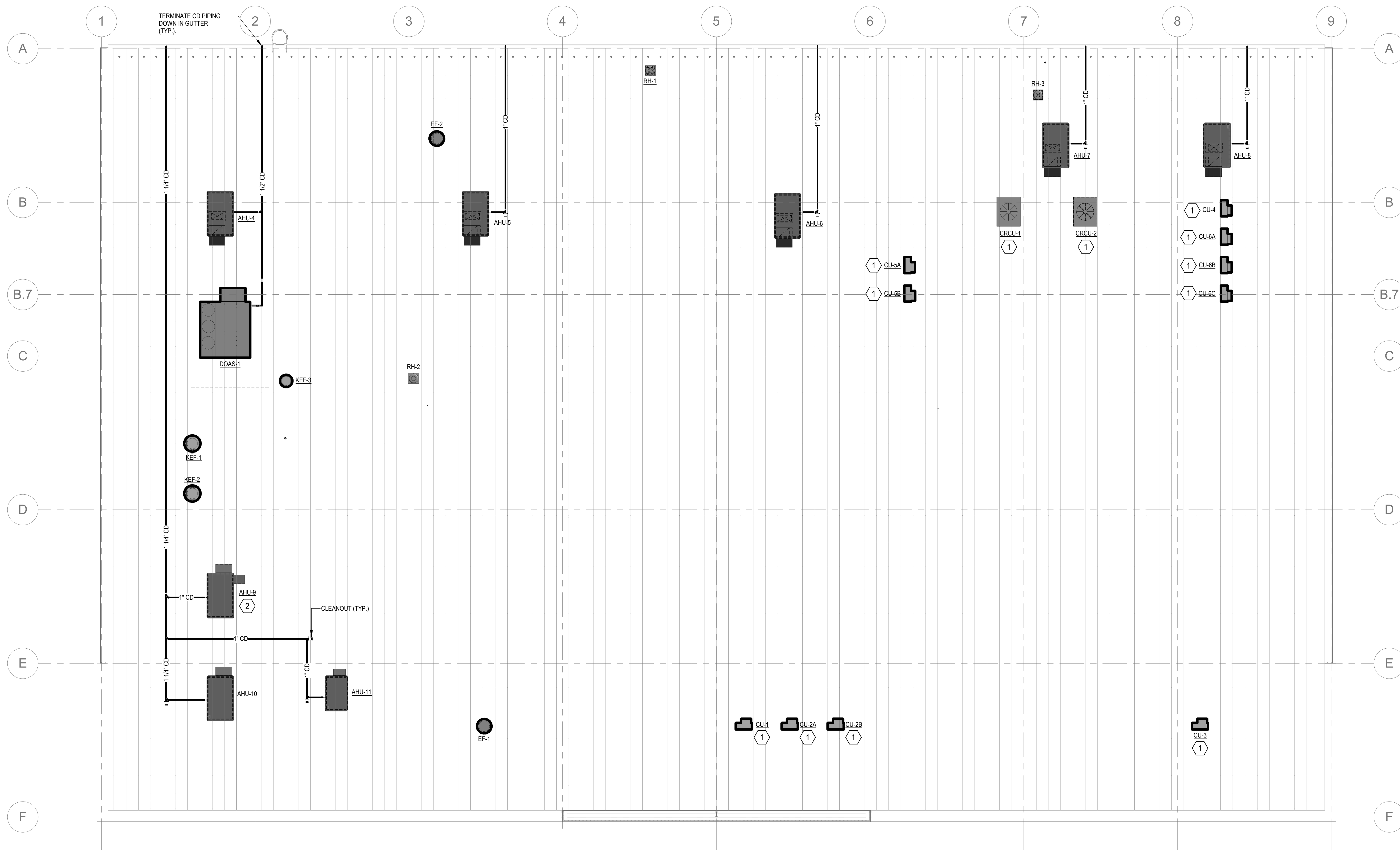
SHEET TITLE:

**ROOF MECHANICAL
PLAN**



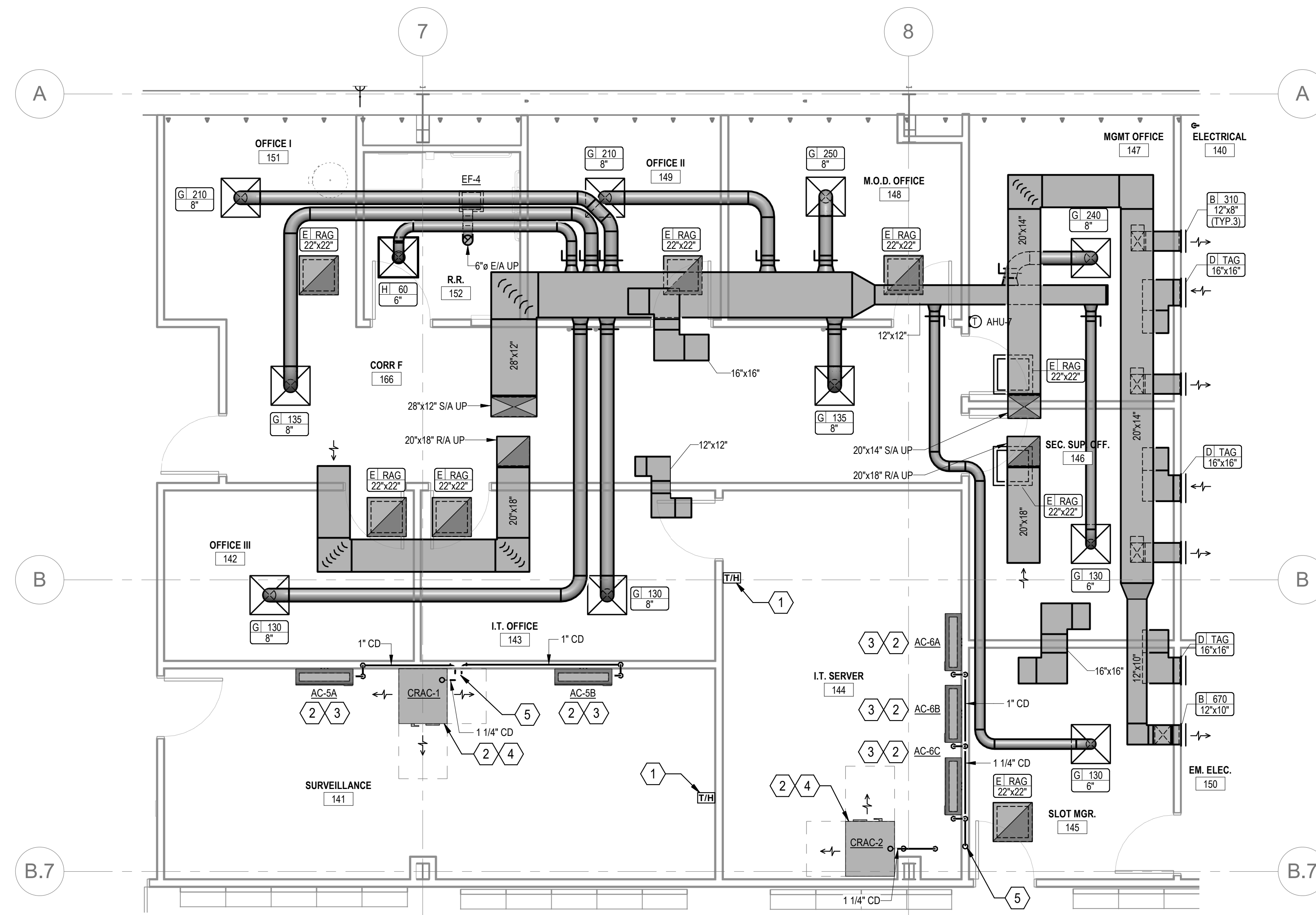
M102

KEYNOTES	
1	EXTEND REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT. SIZE AND INSTALL PIPING IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS (TYP.)
2	OWNER PROVIDED PACKAGED UNIT. REFER TO AHU SCHEDULE.



1 ROOF MECHANICAL PLAN
1/8" = 1'-0"

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NUMBERED NOTES	
1	REMOTE TEMPERATURE & HUMIDITY SENSER AND ICOM WALL DISPLAY.
2	EXTEND REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT. SIZE AND INSTALL PIPING IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS (TYP.)
3	WALL MOUNTED MINI-SPLIT AC UNIT FOR BACKUP COOLING.
4	FLOOR MOUNTED COMPUTER ROOM AC UNIT WITH TOP SUPPLY AIR DISCHARGE PLENUM AND FRONT RETURN. PROVIDE MANUFACTURERS LEAK DETECTION SENSORS BELOW UNIT. REFER TO EQUIPMENT SCHEDULES.
5	EXTEND CONDENSATE DRAIN PIPING DOWN IN WALL TO FLOOR DRAIN BELOW RAISED FLOOR.

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



DRAWN FOR:
**KIOWA TRIBE
KIOWA CASINO**

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
MBW
CHECKED BY:
GBS
SHEET TITLE:

**MECHANICAL
ENLARGED PLAN**

M201



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

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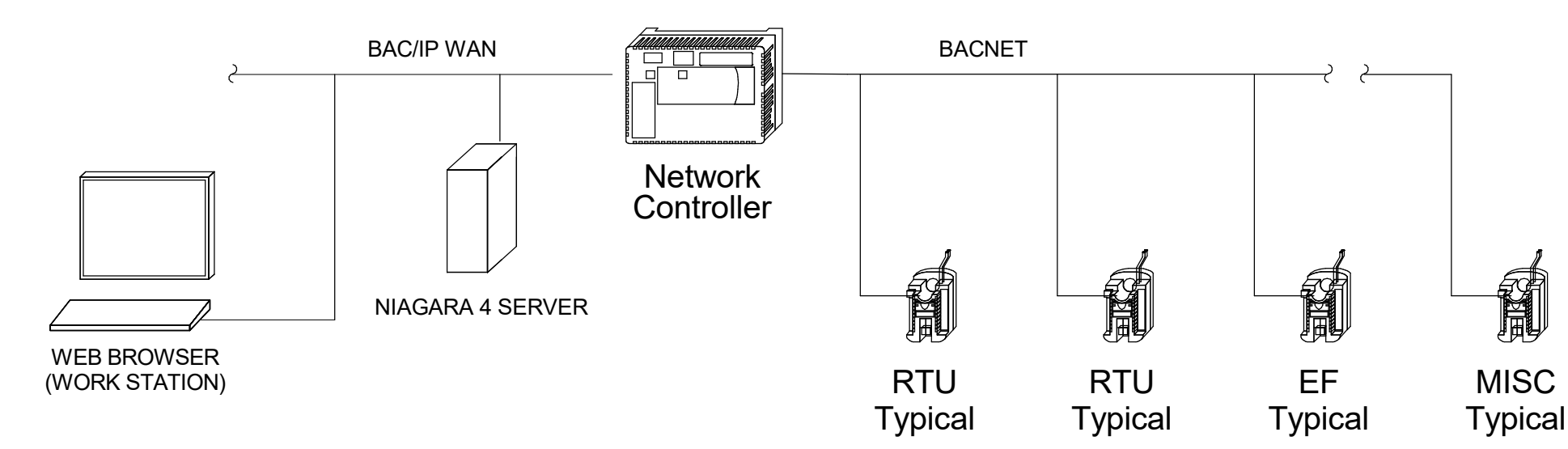
DRAWN BY:
MBW

CHECKED BY:
GBS

SHEET TITLE:

**MECHANICAL
CONTROLS**

M301



FACILITY MANAGEMENT SYSTEM RISER DIAGRAM

GENERAL NOTES AND MISC CONTROL SEQUENCES

GENERAL:

THE BAS SHALL BE BASED ON THE NIAGARA 4 FRAMEWORK AND COMPRISED OF A NETWORK OF INTEROPERABLE, STAND-ALONE DIGITAL CONTROLLERS, A COMPUTER SYSTEM, GRAPHICAL USER INTERFACE SOFTWARE, NETWORK DEVICES AND OTHER DEVICES AS SPECIFIED HEREIN.

THE INSTALLED SYSTEM SHALL PROVIDE SECURE PASSWORDS ACCESS TO ALL FEATURES, FUNCTIONS AND DATA CONTAINED IN THE OVERALL BAS. THE OWNER SHALL CONTROL/SET ALL PASSWORDS AND SECURITY LEVELS FOR ALL OPERATORS.

THE OWNER SHALL PROVIDE THE BAS CONTRACTOR WITH THE STANDARD PASSWORDS REQUIRED TO BE USED ON CONTROLLER. THE BAS CONTRACTOR SHALL NOT USE ANY PASSWORDS EXCEPT THOSE PROVIDED BY THE OWNER. THE BAS CONTRACTOR SHALL NOT LEAVE ANY DEFAULT USERNAMES OR PASSWORDS.

EACH OPERATOR SHALL AUTOMATICALLY BE LOGGED OFF OF THE SYSTEM IF NO KEYBOARD OR MOUSE ACTIVITY IS DETECTED.

MONITORING AND CONTROL POINTS

PROVIDE ALL MONITORING AND CONTROL POINTS REQUIRED FOR THE PROPER OPERATION OF ALL EQUIPMENT IN ACCORDANCE WITH THESE SEQUENCES OF OPERATION WHETHER SHOWN ON THE POINT CHARTS OR NOT. ADDITIONALLY THERE ARE POINTS REQUIRED FOR MONITORING, CONTROL OR ALARM WHICH ARE SHOWN ONLY ON THE POINT CHARTS AND MUST BE PROVIDED ALSO.

ELECTRICAL WIRING:

PROVIDE ALL ELECTRICAL POWER AND INTERLOCK WIRING ASSOCIATED WITH THE TEMPERATURE CONTROLS SYSTEM.

ROUTE AND CONNECT ELECTRICAL POWER WIRING TO JUNCTION BOXES (PROVIDED BY ELECTRICAL CONTRACTOR) WITHIN ELECTRICAL ROOMS. REFER TO ELECTRICAL PLANS FOR LOCATIONS AND QUANTITY PROVIDED.

COMPUTER ROOM AC UNITS (CRAC):

1. INSTALL INTERLOCKING WIRING IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS.
2. CONNECT ALARM CONTACT TO BAS.
3. INTERFACE UNIT CONTROLLER VIA BACNET.

EXHAUST FAN:

1. THE BAS WILL STOP THE EXHAUST FAN DURING UNOCCUPIED MODE, UNLESS NOTED OTHERWISE.
2. THE BAS WILL MONITOR THE FANS STATUS AND GENERATE AN ALARM IF THE STATUS DOES NOT MATCH THE COMMAND STATE.

DRAIN PAN:

1. INSTALL LEAK DETECTOR/SWITCH IN DRAIN PANS.
2. IF THE LEAK DETECTOR IN THE CONDENSATE PAN SENSES MOISTURE, THE UNIT WILL BE DISABLED AND AN ALARM WILL BE GENERATED.



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MECHANICAL CONTROLS

M302

VARIABLE VOLUME AIR HANDLING UNIT			
Points List		Control Device	
AI	BLDG-P	BUILDING STATIC PRESSURE	Differential Pressure Sensor
AI	DA1-P	Discharge Static Pressure	Differential Pressure Sensor
AI	DA-T	Discharge Air Temperature	Duct Temperature Sensor
AI	MA-T	Mixed Air Temperature	Duct Temperature Sensor
AI	OA-T/H	Outside Air Temperature/Humidity	Duct Temperature/Humidity Sensor
AI	RA-H	Return Air Humidity	Duct Humidity Sensor
AI	RA-T	Return Air Temperature	Duct Temperature Sensor
AO	SF-O	Supply Fan Output	0-10VDC SIGNAL TO VFD
BI	DAPHI-A	Discharge Air High Duct Pressure	Differential Pressure SWITCH
BI	DA-SD	Discharge Air Smoke Alarm	Duct Smoke Detector
BI	FILT-S	Filter Status	Differential Pressure SWITCH
BI	RA-SD	Return Air Smoke Alarm	Duct Smoke Detector
BI	SF-S	Supply Fan Status	VFD Drive Status Contact
BO	CLG1-C	Cooling Stage # Command, qty varies	Cooling Stage comand Relays (1,2,3,4,etc)
BO	SF-C	Supply Fan Command	VFD Enable Signal
DI	RF-C	Return Fan Command	Relay
DI	RF-S	Supply Fan Status	Current Sensor
AO	RF-O	Return Fan Speed	4-20 ma Signal
AO	OA-MAX-D	Outside Air Damper Command	
AO	RA-D	Return Air Damper Command	
AO	EX-D	Relief Air (Exhaust) Damper Command	
ALL POINTS LISTED ABOVE SHALL BE GRAPHICALLY REPRESENTATIVE AT USER INTERFACE STATION			

SEQUENCE OF OPERATION

FACTORY CONTROL:
THE ROOF TOP UNIT IS CONTROLLED BY A FACTORY FURNISHED DDC UNIT CONTROLLER. REFER TO UNIT SPECIFICATIONS FOR MORE INFORMATION.

MODE OF OPERATION:
THE UNIT MODE OF OPERATION SHALL BE OCCUPIED, UNOCCUPIED, OR MORNING WARMUP BASED ON A BUILDING AUTOMATION SYSTEM (BAS) SCHEDULE OR AN OPERATOR OVERRIDE COMMAND FROM THE BAS.

FAN SUPPLY CONTROL:
VARIABLE FREQUENCY DRIVES ARE DRIVEN BY A MODULATING SIGNAL FROM THE ROOF TOP CONTROLLER. THE VFD IS MODULATED TO MAINTAIN ROOM TEMPERATURE SETPOINT.

COOLING/HEATING CONTROL:
THE UNIT COMPRESSORS/HEATERS SHALL MODULATE TO SATISFY THE ROOM SET POINT OF 72 DEG F. (ADJ) AS SENSED BY THE TEMPERATURE SENSORS (AVERAGE).

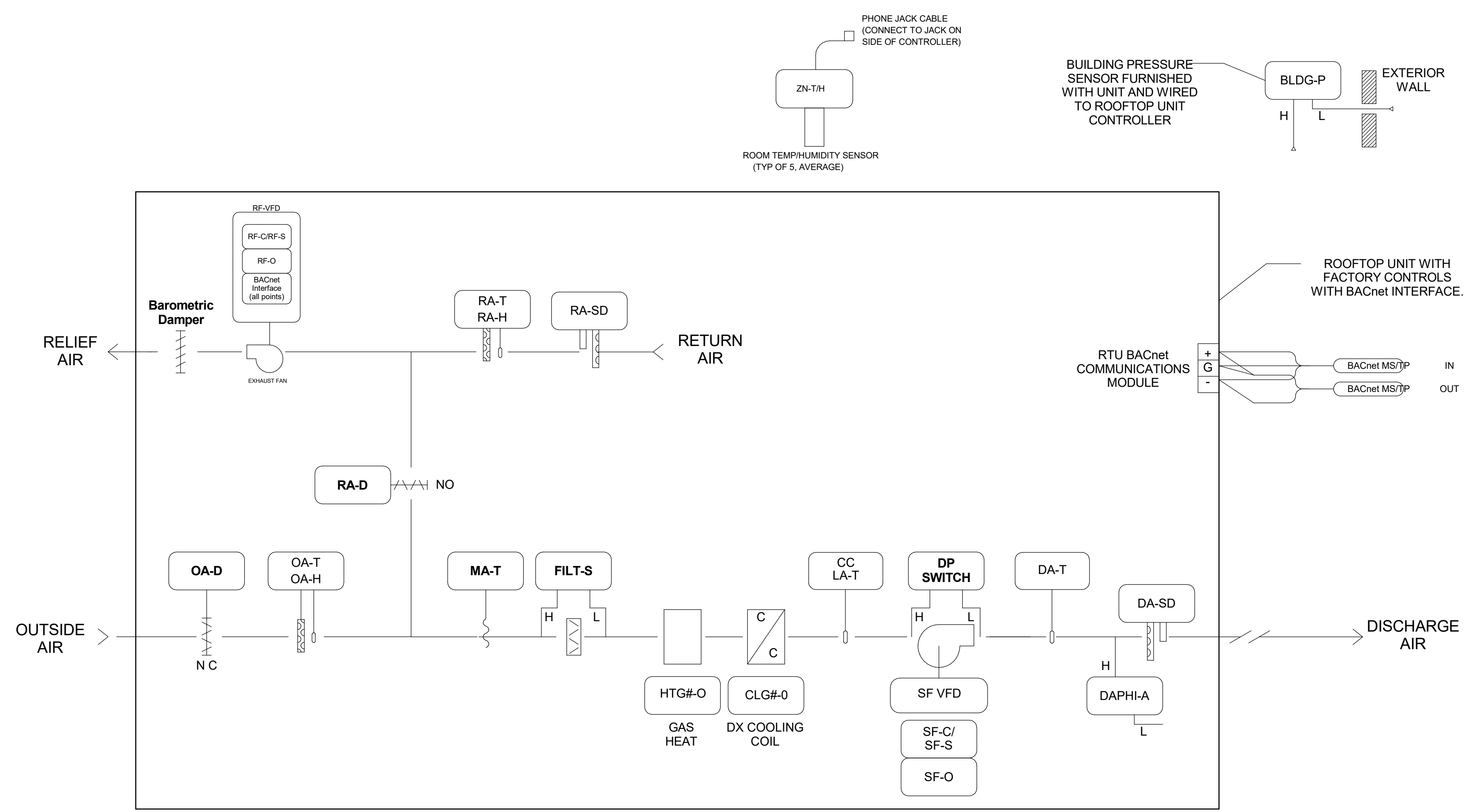
DEHUMIDIFICATION CONTROL:
UPON CALL FOR DEHUMIDIFICATION (55% RH, ADJ), THE UNIT COMPRESSORS SHALL BE STAGED TO PROVIDE 52 DEG F SUPPLY AIR TEMPERATURE AND REHEAT SHALL MODULATE DISCHARGE TO MAINTAIN ROOM SET POINT.

ECONOMIZER CONTROL:
ECONOMIZER OPERATION SHALL BE ENABLED WHENEVER THE OUTDOOR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY TO UTILIZE OUTSIDE AIR FOR COOLING. DURING ECONOMIZER OPERATION THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE AT SETPOINT.

BUILDING PRESSURE CONTROL:
EACH UNIT SHALL UTILIZE ITS OWN BUILDING PRESSURE SENSOR. THE BUILDING PRESSURES SENSOR SHALL COMPARE OUTSIDE AIR PRESSURE TO INSIDE AIR PRESSURE AND REPORT THE DIFFERENCE. BUILDING PRESSURE SET POINT SHALL BE 0.05 INCHES WATER COLUMN AND RESETABLE FROM THE FRONT END. USE APPROPRIATE DEAD BAND TO MINIMIZE EQUIPMENT CYCLING. WHEN BUILDING PRESSURE IS ABOVE SET POINT, THE EXHAUST FAN SPEED SHALL MODULATE TO MAINTAIN THE BUILDING STATIC PRESSURE SETPOINT.

MORNING WARMUP/COOLDOWN:
RTU CONTROLLER SHALL INITIATE A WARMUP OR COOLDOWN SEQUENCE TO BRING TEMPERATURE CONTROL ZONES TO OCCUPIED TEMPERATURES AN HOUR (ADJUSTABLE) BEFORE SCHEDULED OCCUPIED HOURS. OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING WARMUP/COOLDOWN SEQUENCE, UNLESS RTU CONTROLLER DETERMINES ECONOMIZER FREE COOLING CAN BE UTILIZED.

REDUNDANCY:
TWO UNITS WILL OPERATE SIMULTANEOUSLY TO SERVE GAMING FLOOR SPACE. THE THIRD UNIT WILL SERVE AS BACK-UP. IF A PRIMARY UNIT FAILS, THE BACK-UP UNIT SHALL BE ENERGIZED AND DE-ENERGIZE FAILED PRIMARY UNIT. ALTERNATE PRIMARY/BACK-UP OPERATION TO PROVIDE EQUAL RUN-TIME ON ALL UNITS.



SINGLE ZONE VARIABLE VOLUME AIR HANDLING UNIT (AHU-1, 2, 3)

Autodesk Docs://Kiowa Casino/221119 R22 MEP Control.rvt



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MECHANICAL
CONTROLS

M303

SINGLE ZONE VARIABLE VOLUME AIR HANDLING UNIT

Points List		Control Device	
AI	BLDG-P	BUILDING STATIC PRESSURE	Differential Pressure Sensor
AI	DA-T	Discharge Air Temperature	Duct Temperature Sensor
AI	MA-T	Mixed Air Temperature	Duct Temperature Sensor
AI	OA-T/H	Outside Air Temperature/Humidity	Duct Temperature/Humidity Sensor
AI	RA-H	Return Air Humidity	Duct Humidity Sensor
AI	RA-T	Return Air Temperature	Duct Temperature Sensor
AO	SF-O	Supply Fan Output	0-10VDC SIGNAL TO VFD
BI	DAPHI-A	Discharge Air High Duct Pressure	Differential Pressure SWITCH
BI	DA-SD	Discharge Air Smoke Alarm	Duct Smoke Detector
BI	FILT-S	Filter Status	Differential Pressure SWITCH
BI	RA-SD	Return Air Smoke Alarm	Duct Smoke Detector
BI	SF-S	Supply Fan Status	VFD Drive Status Contact
BO	CLG1-C	Cooling Stage # Command, qty varies	Cooling Stage command Relays (1,2,3,4,etc)
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ALL POINTS LISTED ABOVE SHALL BE GRAPHICALLY REPRESENTATIVE AT USER INTERFACE STATION

SEQUENCE OF OPERATION

FACTORY CONTROL:

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MODE OF OPERATION:

THE UNIT MODE OF OPERATION SHALL BE OCCUPIED, UNOCCUPIED, OR MORNING WARMUP BASED ON A BUILDING AUTOMATION SYSTEM (BAS) SCHEDULE OR AN OPERATOR OVERRIDE COMMAND FROM THE BAS.

FAN SUPPLY CONTROL:

VARIABLE FREQUENCY DRIVES ARE DRIVEN BY A MODULATING SIGNAL FROM THE ROOF TOP CONTROLLER. THE VFD IS MODULATED TO MAINTAIN THE SUPPLY AIR FLOW RATE SETPOINT OF 60% TO 100%. THE DRIVE WILL ACCELERATE OR DECELERATE AS REQUIRED TO MAINTAIN THE SPACE SET POINT OF 74 DEG F. (ADJ).

COOLING/HEATING CONTROL:

THE UNIT COMPRESSORS AND GAS HEATER SHALL MODULATE TO SATISFY THE ROOM SET POINT OF 74 DEG F. (ADJ) AS SENSED BY THE TEMPERATURE SENSORS (AVERAGE).

VENTILATION CONTROL:

THE OUTSIDE AIR DAMPER SHALL BE MODULATED TO MAINTAIN THE OUTSIDE AIRFLOW SETPOINT. THE OUTSIDE AIRFLOW SETPOINT SHALL BE CALCULATED ACCORDING TO ASHRAE 62.1.

ECONOMIZER CONTROL:

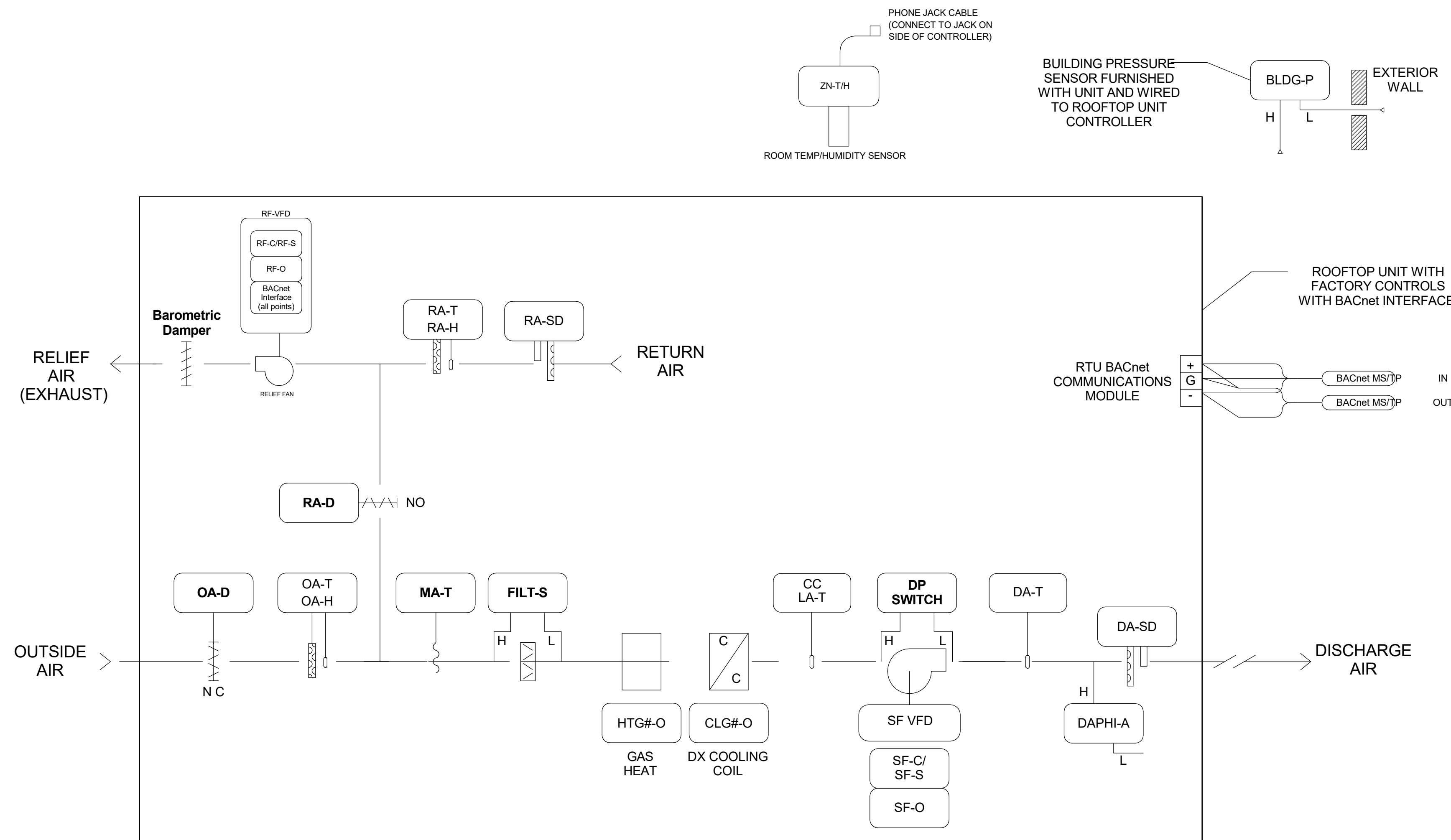
ECONOMIZER OPERATION SHALL BE ENABLED WHENEVER THE OUTDOOR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY TO UTILIZE OUTSIDE AIR FOR COOLING. DURING ECONOMIZER OPERATION THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE AT SET POINT.

BUILDING PRESSURE CONTROL:

EACH UNIT SHALL UTILIZE ITS OWN BUILDING PRESSURE SENSOR. THE BUILDING PRESSURE SENSOR SHALL COMPARE OUTSIDE AIR PRESSURE TO INSIDE AIR PRESSURE AND REPORT THE DIFFERENCE. BUILDING PRESSURE SET POINT SHALL BE 0.05 INCHES WATER COLUMN AND RESETTABLE FROM THE FRONT END. USE APPROPRIATE DEAD BAND TO MINIMIZE EQUIPMENT CYCLING. WHEN BUILDING PRESSURE IS ABOVE SET POINT, THE RELIEF FAN SPEED SHALL MODULATE TO MAINTAIN THE BUILDING STATIC PRESSURE SETPOINT.

MORNING WARMUP/COOLDOWN:

RTU CONTROLLER SHALL INITIATE A WARMUP OR COOLDOWN SEQUENCE TO BRING TEMPERATURE CONTROL ZONES TO OCCUPIED TEMPERATURES AN HOUR (ADJUSTABLE) BEFORE SCHEDULED OCCUPIED HOURS. OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING WARMUP/COOLDOWN SEQUENCE, UNLESS RTU CONTROLLER DETERMINES ECONOMIZER FREE COOLING CAN BE UTILIZED.



SINGLE ZONE VARIABLE VOLUME AIR HANDLING UNIT (AHU-4-8,10,11)

Autodesk Docs://Kiowa Casino/21119 R22.MEP Control.rvt

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST			SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)	WIDTH	LENGTH	DIA.	MUA		
1	KH-1 ITEM-21	XBEW-97.5-S	97.5	54	24	430 SS WHERE EXPOSED	HEAVY	1828	14	1828	0.482	1378		305.00	LEFT
2	KH-1 ITEM-21	XBEW-97.5-S	97.5	54	24	430 SS WHERE EXPOSED	HEAVY	1828	14	1828	0.482	1547		352.00	RIGHT

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)				
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM	CONTROLS
1	KH-1 ITEM-21	ROUND LED		2	64.73	BAFFLE STAINLESS STEEL		6	16	H		TOUCHSCREEN
2	KH-1 ITEM-21	ROUND LED		2	64.73	BAFFLE STAINLESS STEEL		6	16	20	RIGHT	ANSUL R102

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)		INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	COLLARS				VEL.		
				L	W			H	QTY		TYPE	MOUNTING	QTY	W		L	DIA.
1	KH-1 ITEM-21	FRONT	ASP	97.5	14	10	NO	YES	NO	1378	MUA FACTORY 2	12	30		689	0.13	276
2	KH-1 ITEM-21	FRONT	ASP	109.5	14	10	NO	YES	NO	1547	MUA FACTORY 2	12	30		774	0.13	310

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
 BACK INTEGRAL AIR SPACE - 3 IN WIDE
 17 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
 CONTINUOUS CAPTURE
 FACTORY MOUNTED EXHAUST COLLAR(S)
 BACKSPLASH 122.00 IN HIGH 231.00 IN LONG
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

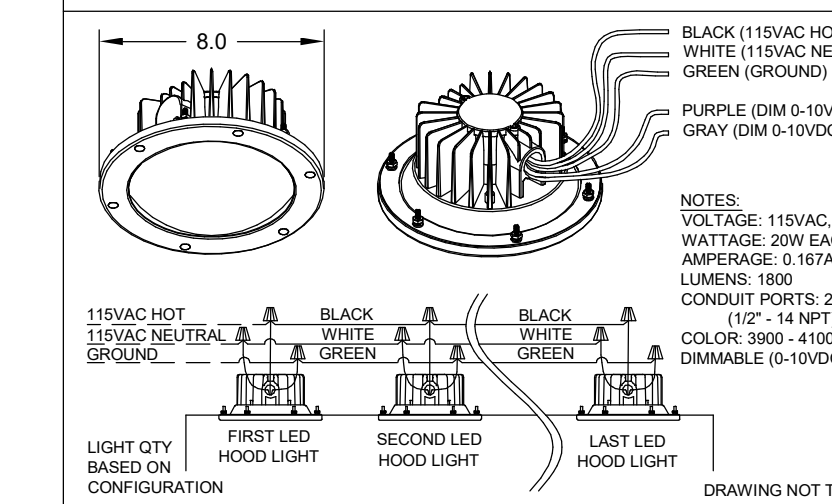
FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SYSTEM ITEM-21.1	ANSUL R-102 WET CHEMICAL	CABINET - RIGHT END OF KH-1 ITEM-21	16 UTILIZED			CONTINUOUS FUSIBLE LINK	KH-1 ITEM-21 SECTION 1 KH-1 ITEM-21 SECTION 2

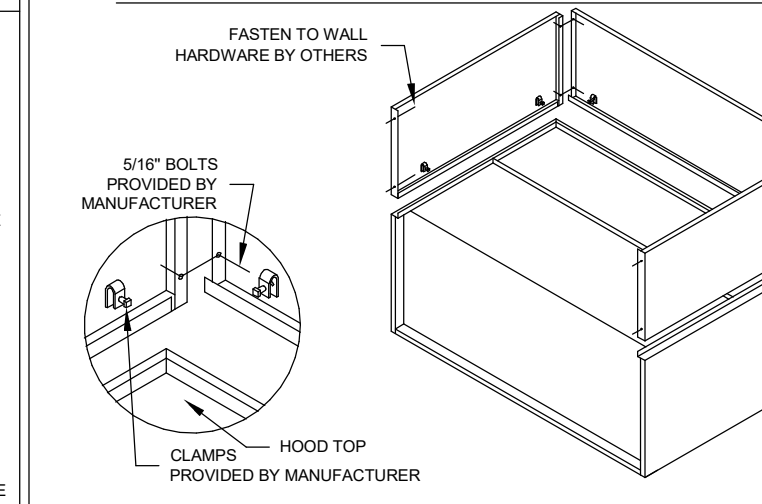
FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
 CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
 METAL BLOW-OFF CAPS - INCLUDED
 GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200
 HOOD SUPPRESSION TANK - INCLUDED - 6 GAL. - [(2) 3.0 TANK(S)]
 REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

ROUND LED LIGHT DETAIL



ENCLOSURE PANEL INSTALLATION DETAIL



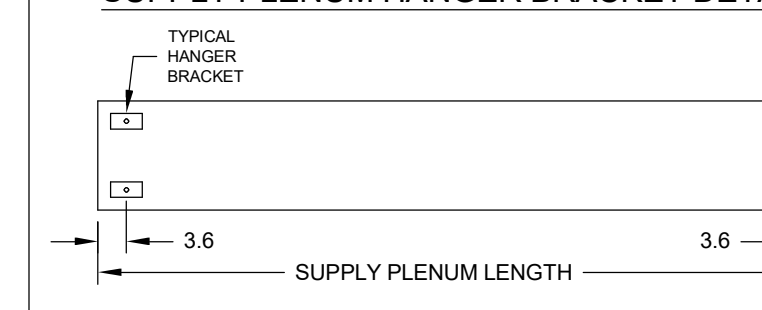
HOOD HANGING HEIGHT FOR FIRE SYSTEMS

VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

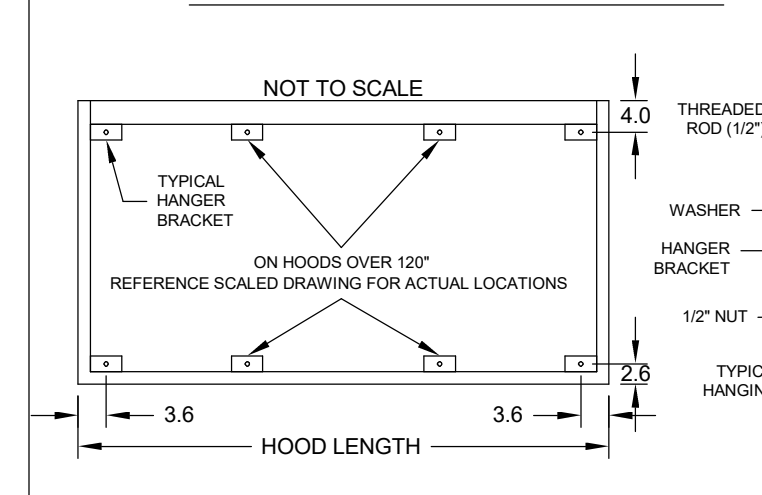
RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

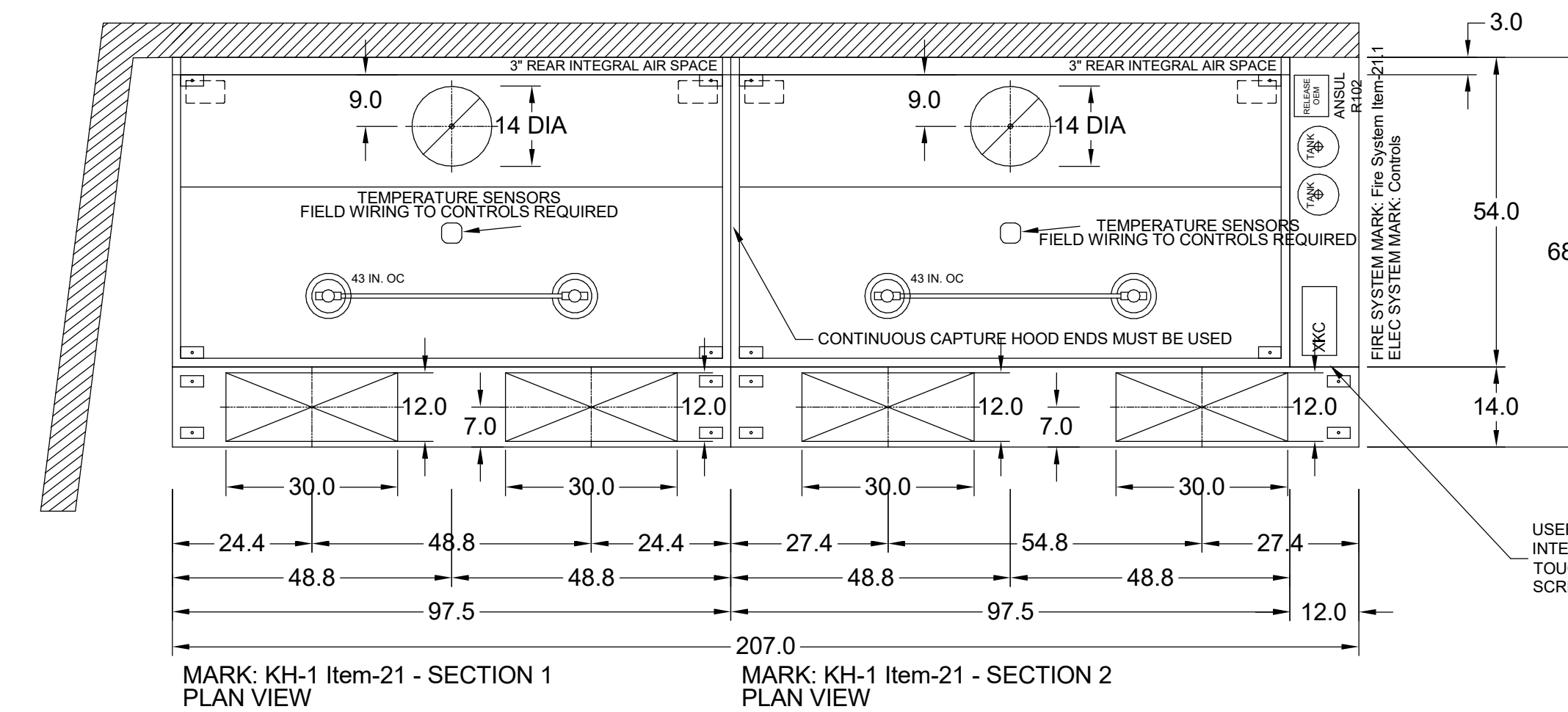
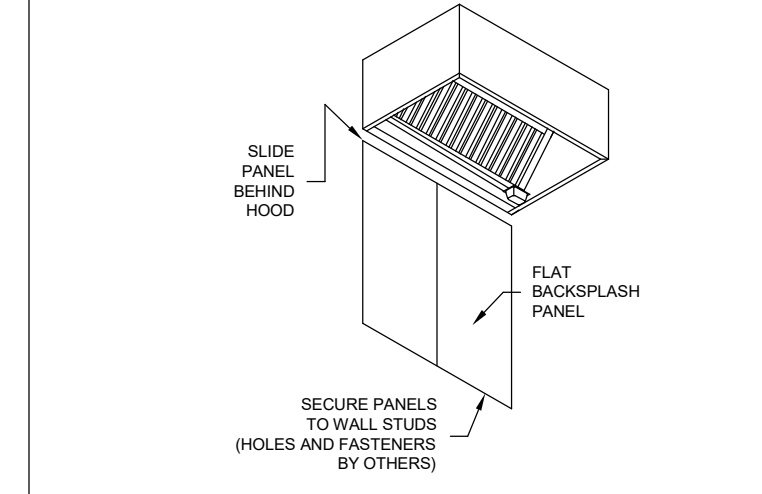
SUPPLY PLENUM HANGER BRACKET DETAIL



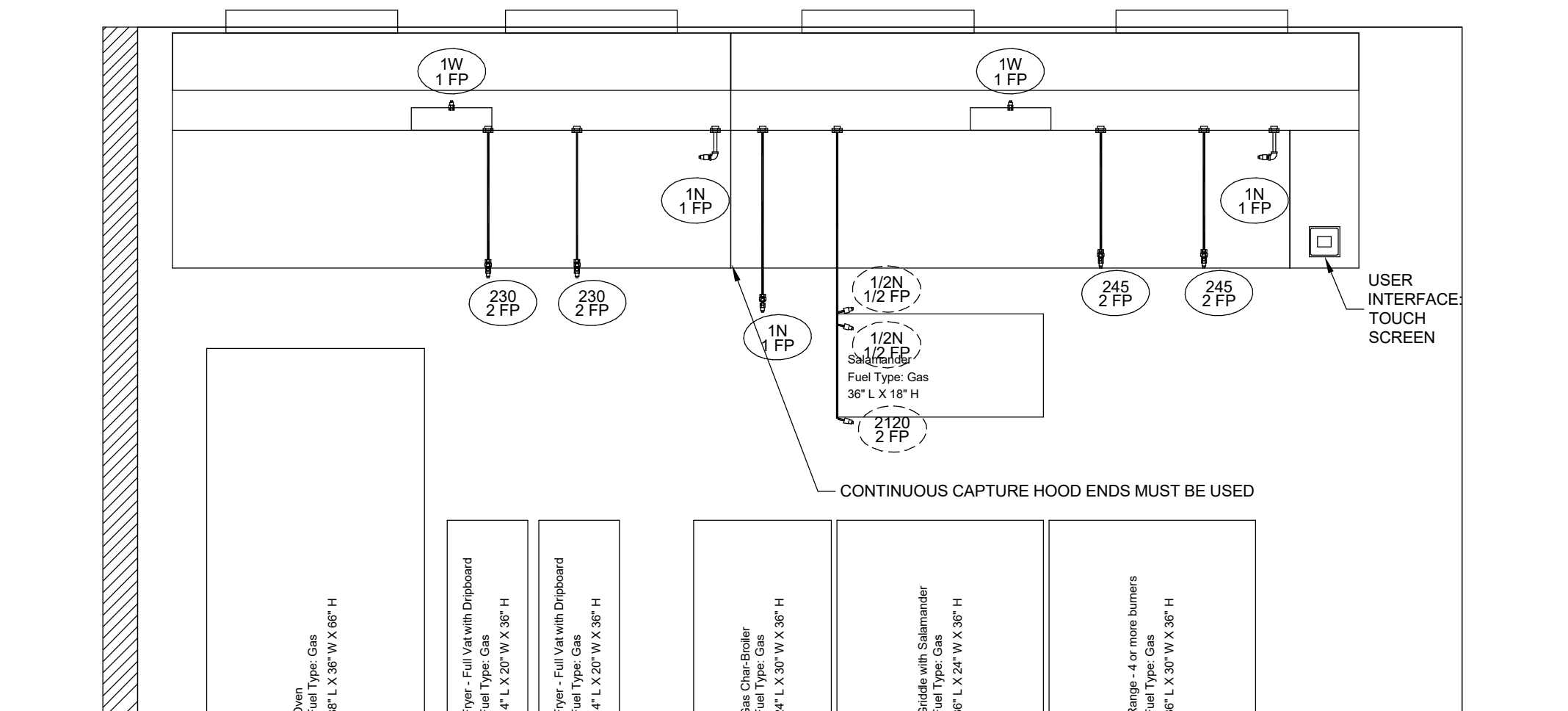
HOOD HANGER BRACKET DETAIL



FLAT BACKSPLASH PANEL INST. DETAIL

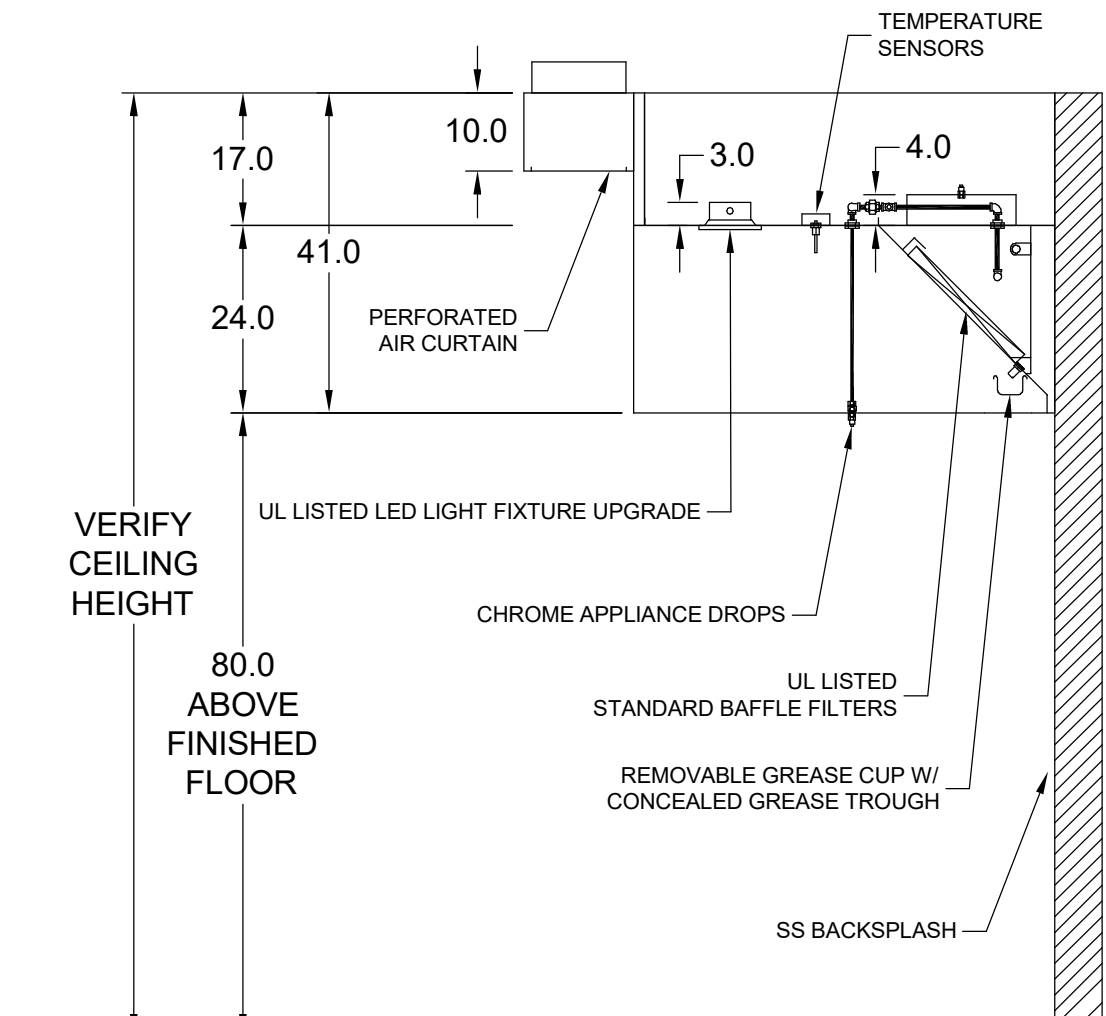


MARK: KH-1 Item-21 - SECTION 1 PLAN VIEW
 MARK: KH-1 Item-21 - SECTION 2 PLAN VIEW

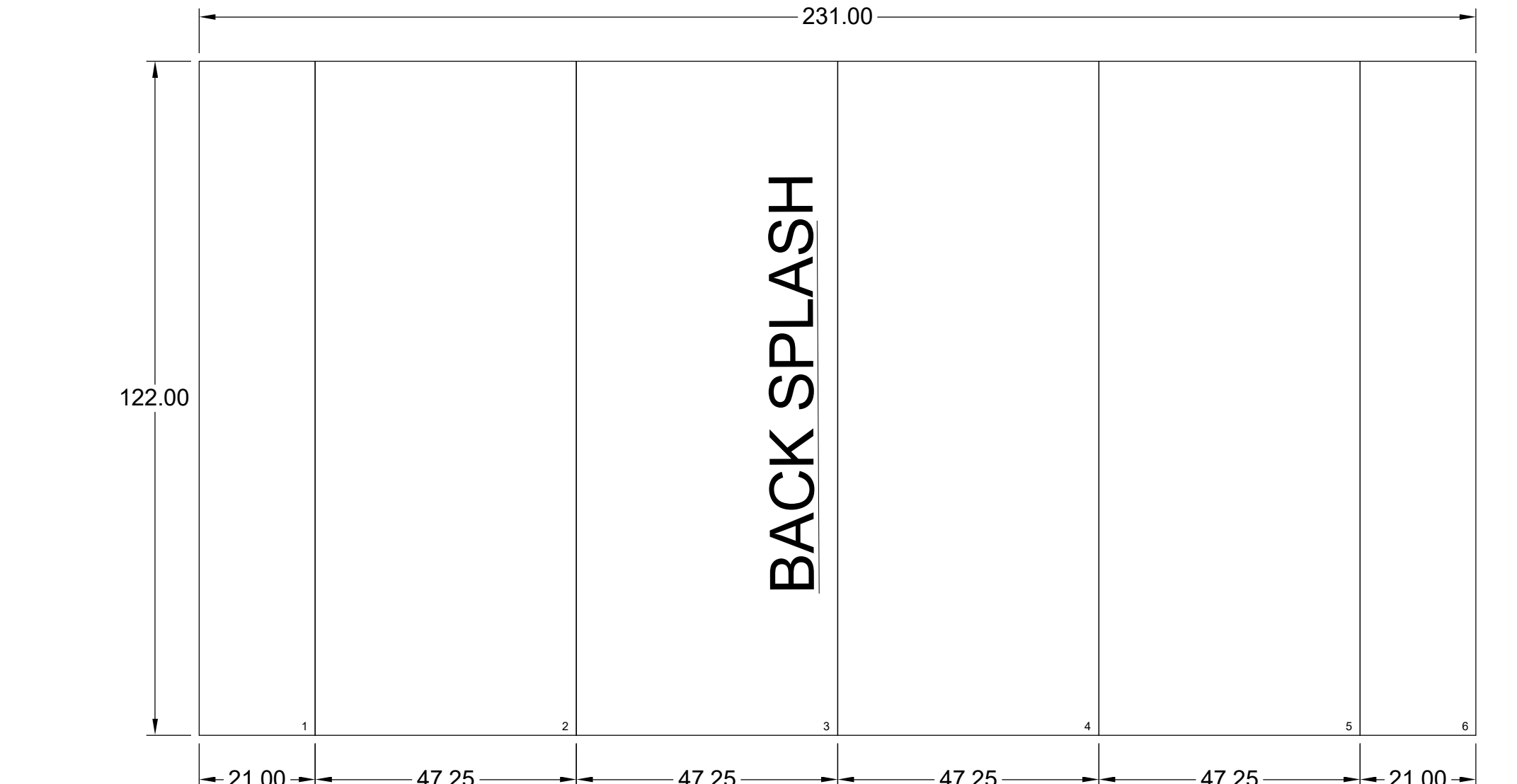


MARK: KH-1 Item-21 - SECTION 1 ELEVATION VIEW
 MARK: KH-1 Item-21 - SECTION 2 ELEVATION VIEW

ANY HVAC CEILING DIFFUSERS WITH IN 8 FEET OF THE HOOD PERIMETER MUST BE VERTICAL DOWN DISCHARGE, LOW VELOCITY TYPE DIFFUSERS. DIRECTIONAL THROW DIFFUSERS NOT ALLOWED.



MARK: KH-1 Item-21 (LAST HOOD IN ROW) SECTION VIEW



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 Renewal Date: 06.30.25



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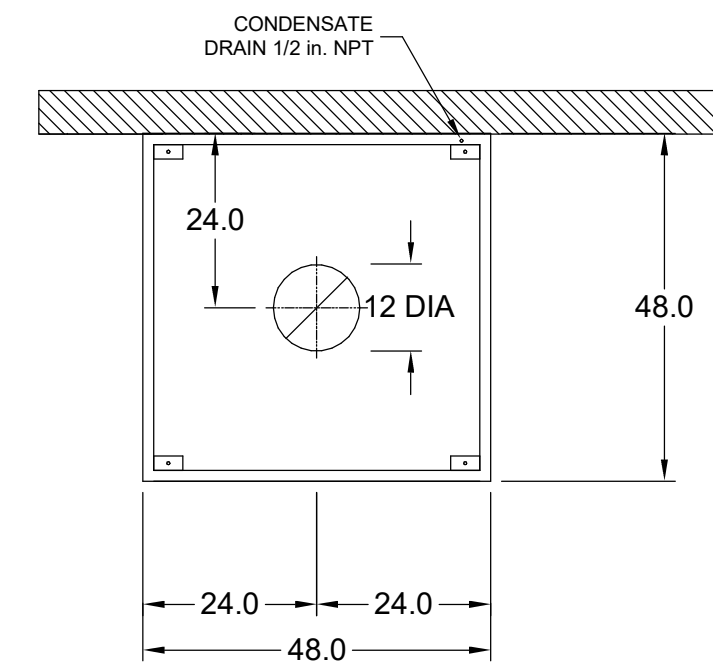
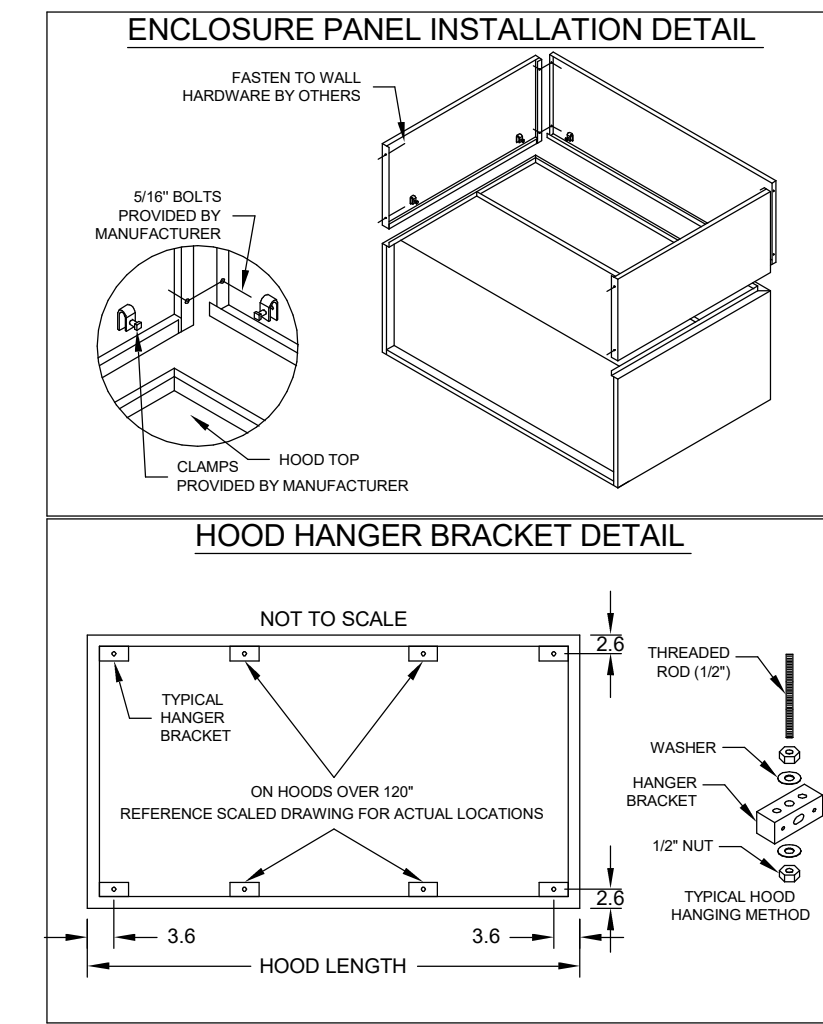
KITCHEN EQUIPMENT

M351

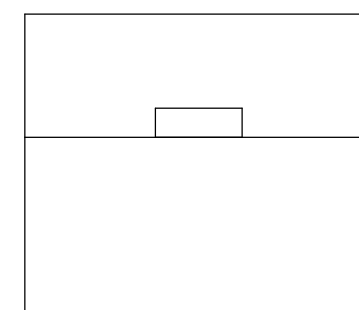
HOOD INFORMATION																
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST COLLAR(S)			SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION		
			LENGTH	WIDTH	HEIGHT			WIDTH	LENGTH	DIA.	CFM	S/P.			MUA CFM	AC CFM
1	DH-1 ITEM-42	XD1-48-S	48.0	48	24	430 SS 100%		800		12	800	0.125			97	SINGLE

HOOD INFORMATION																
HOOD NO.	MARK	LIGHTING DETAILS			BAFFLE FILTRATION DETAILS			UTILITY CABINET(S)								
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM	SIZE	MODEL	CONTROLS		
1	DH-1 ITEM-42															

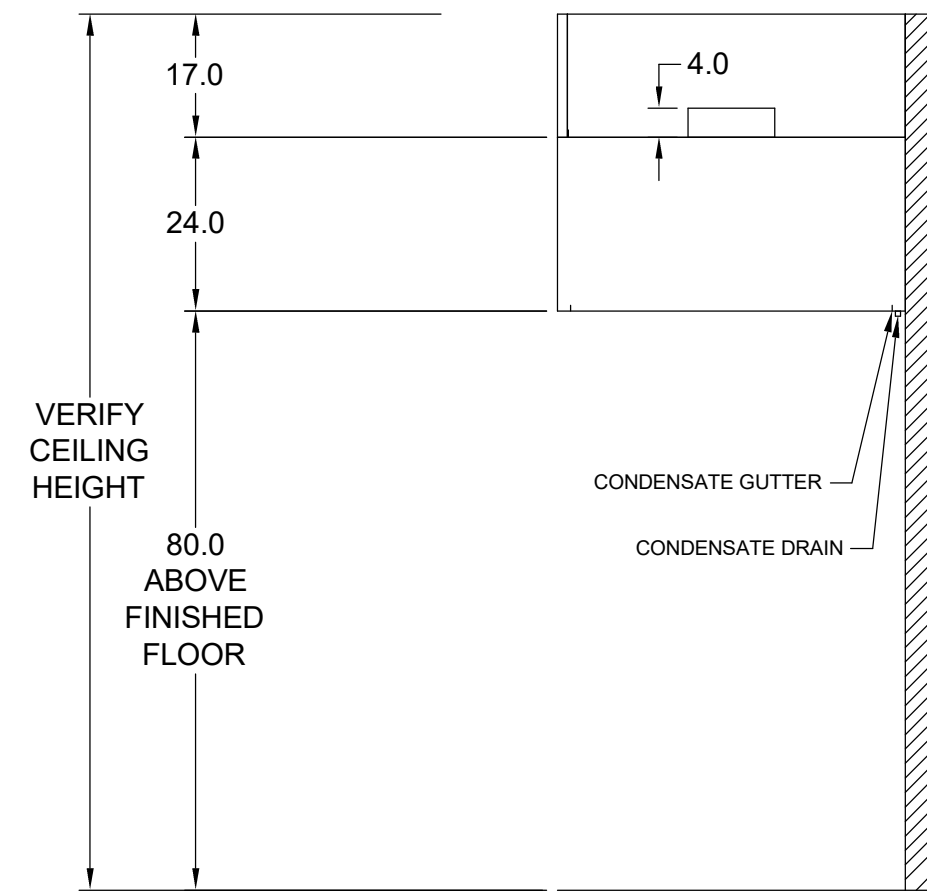
HOOD OPTIONS
 17 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
 FACTORY MOUNTED EXHAUST COLLAR(S)



MARK: DH-1 Item-42 - SECTION 1
 PLAN VIEW



MARK: DH-1 Item-42 - SECTION 1
 ELEVATION VIEW



MARK: DH-1 Item-42
 SECTION VIEW

MASS ARCHITECTS.
BIG IDEAS.

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KITCHEN EQUIPMENT

M352

Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	XRUD-140-VG	1,828	0.982	1,475	0.57	160	1	115/60/1	OP	1725	1 16

MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-2	XRUD-140-VG	1,828	0.982	1,475	0.57	160	1	115/60/1	OP	1725	1 16

*NEC FLA - Based on table 430. 250 or 430. 248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

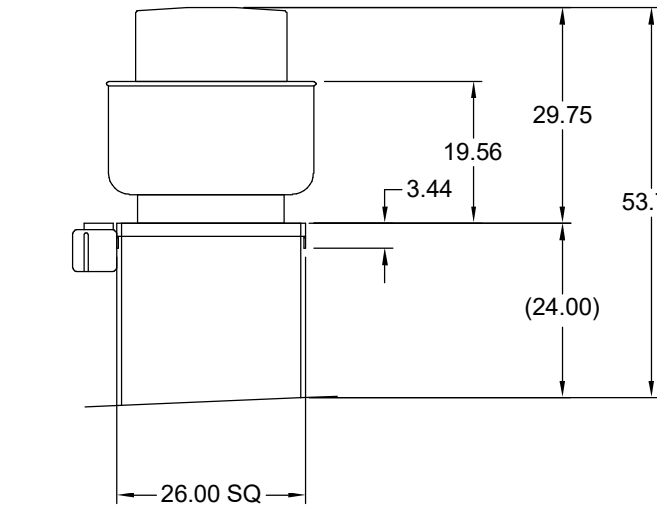
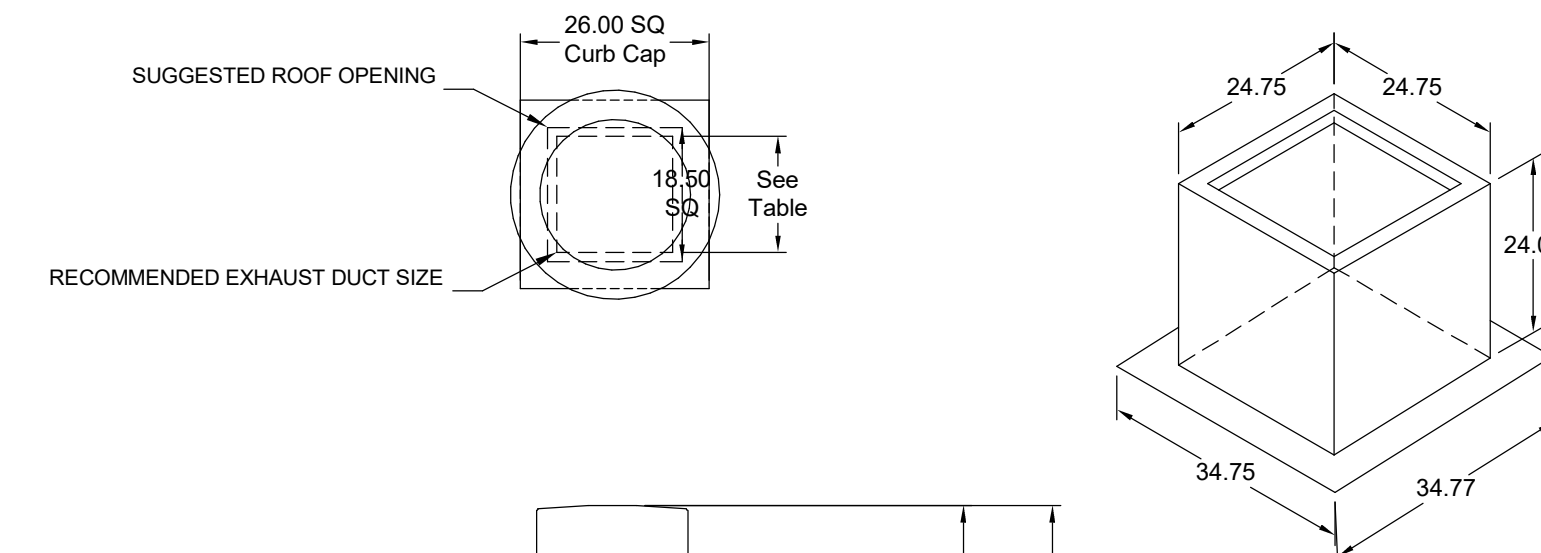
KEF-1 : SELECTED OPTIONS AND ACCESSORIES	
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"	
Switch, NEMA-3R, Toggle, Shipped with Unit	
Hinge, Factory Installed	
Grease Trap (PN 475538)	

Direct Drive Centrifugal Roof Exhaust Fan

MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-3	XRED-095-VG	800	0.375	1,637	0.13	66	0.167	115/60/1	TN	1725	1 4.4

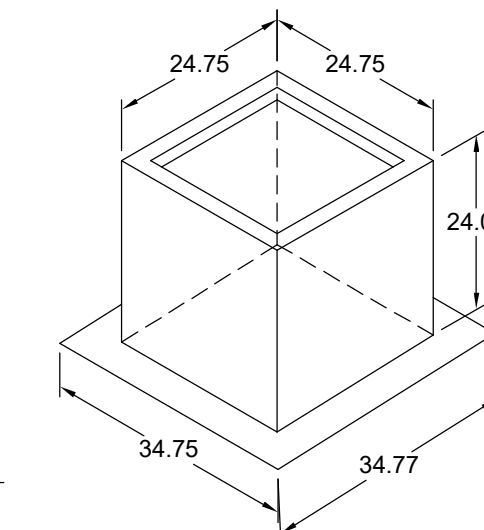
*NEC FLA - Based on table 430. 250 or 430. 248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

DEF-1 : SELECTED OPTIONS AND ACCESSORIES	
Standard Curb Cap Size - 17 Square	
UL/cUL 705 Listed - "Power Ventilators"	
Switch, NEMA-1, Toggle, Shipped with Unit	
Birdscreen: Galvanized, nom. 84% Free Area	
Composite Wheel Material	

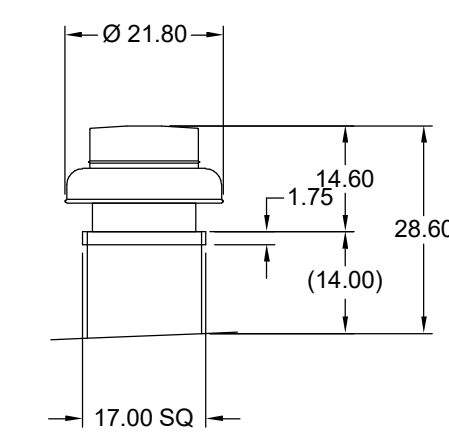
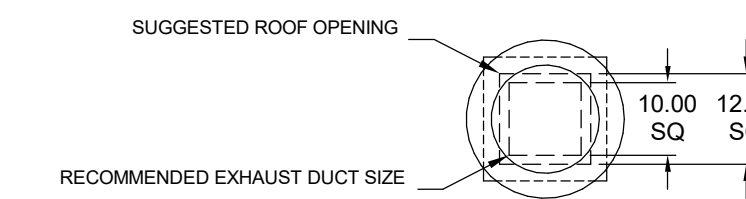


DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

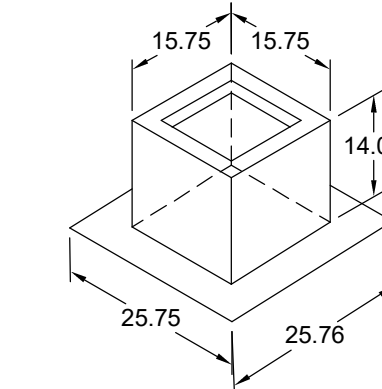


VERIFY ROOF PITCH



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

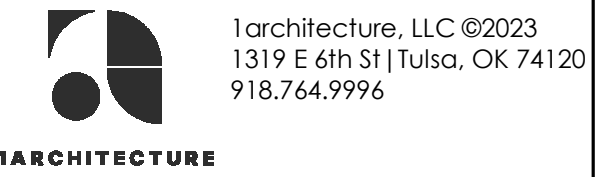
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



VERIFY ROOF PITCH

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Phillips+Gomez
Consulting Engineers
15 W 6th St., Suite 2510
Tulsa, OK 74119
PH. 918.584.0102
Oklahoma Certificate of Authorization #CA1395
Renewal Date: 06.30.25



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
MBW
CHECKED BY:
GBS
SHEET TITLE:

KITCHEN EQUIPMENT

M353

EQUIPMENT SCHEDULE

Packaged Ventilator														
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume						
DOAS-1	1	XRV-45-30I-M-A0	Outdoor	3,793 lb	4,500 CFM	0 CFM	NA	NA						
Supply Fan					Electrical									
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP				
4,500 CFM	1 in. wg	2,147 in. wg	1303	2,342	(1) 5 hp	208	60	3	141.1	175				
Cooling Section														
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER
99.4 F	79.2 F	57.2 F	57.0 F	30.0	377.0 MBH	209.9 MBH	223 ft/min	0.236 in. wg	6	12	Inverter Scroll	2	9.8	13.1
Heating Section					Hot Gas Reheat									
Gas Type	Input	Output	EAT	LAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT						
Natural	400.0 MBH	320.0 MBH	10.9 F	76.7 F	4:1 Modulating	65.8 F	152.6 MBH	88.6 F						

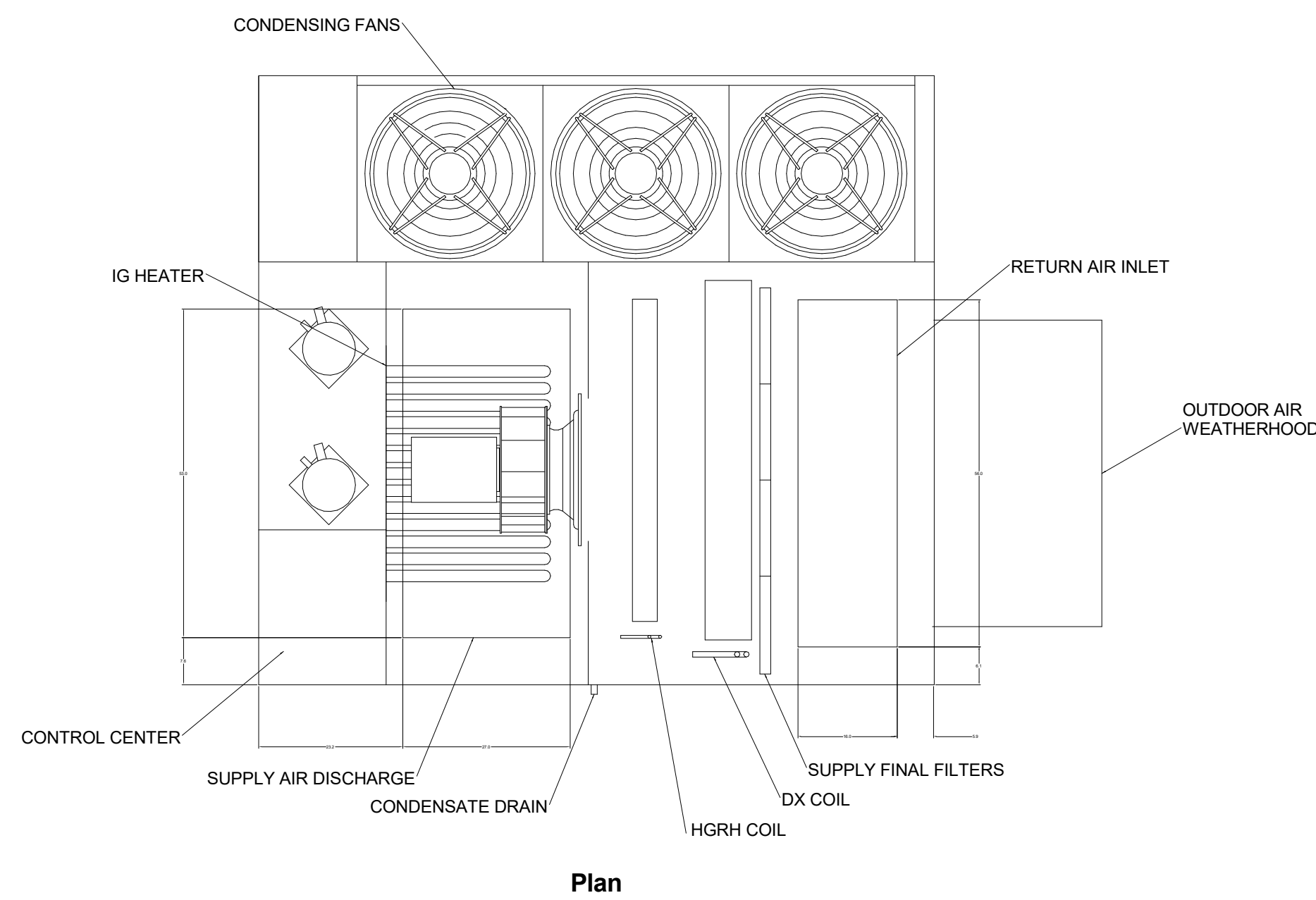
NOTES

Painted exterior with 2,000 hr. salt spray rating.
 Double wall 2" R13 injected foam insulated cabinet.
 Single condenser fan shall not exceed a sound power level of 75 LwA.
 Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound.
 Direct-drive fans with factory mounted VFDs. Blowers shall be AMCA Certified for airflow.
 Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data.
 Modulating gas furnace with 4:1 Modulating turndown and a 25 year HX warranty.

OPTIONS AND ACCESSORIES

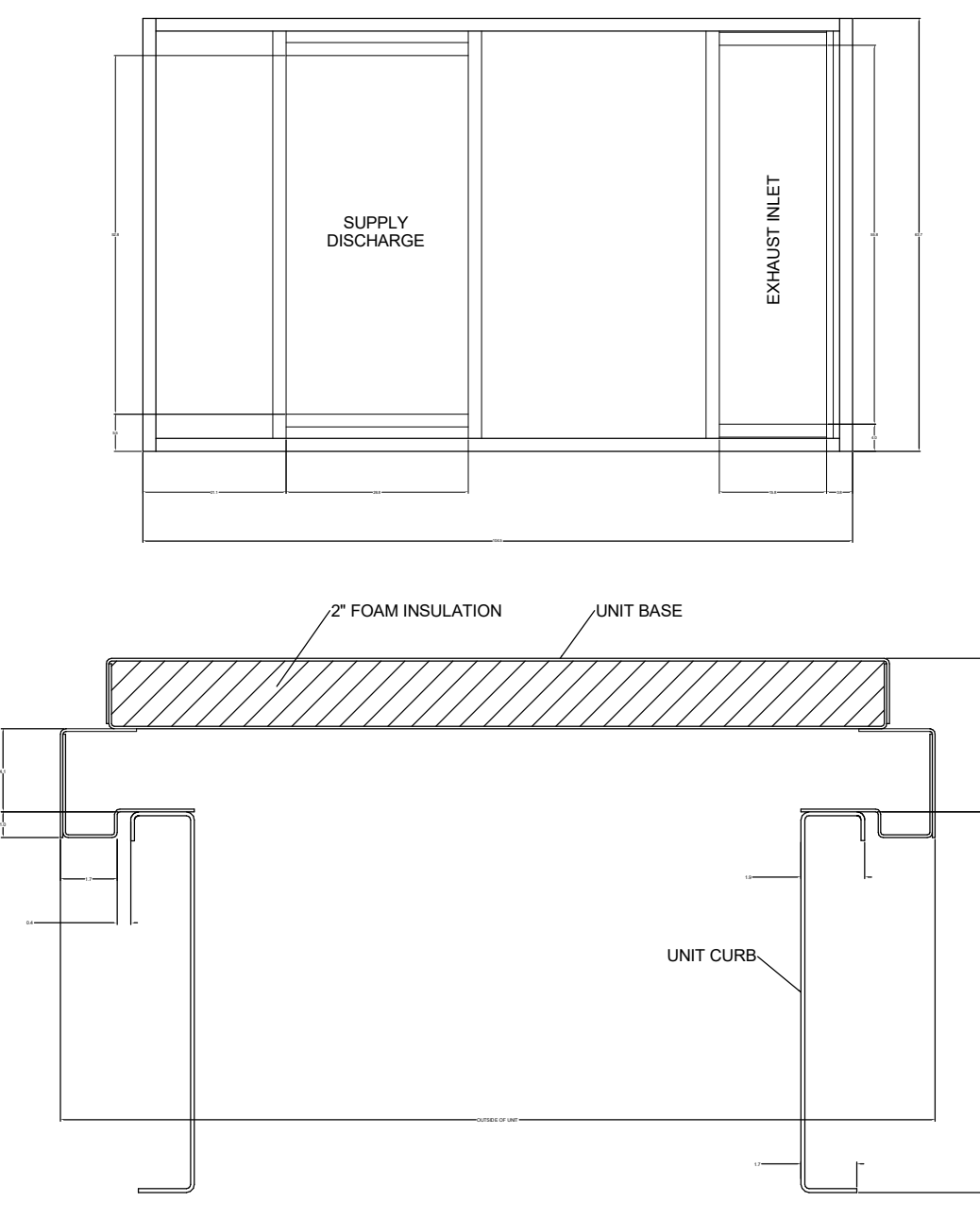
Weatherhood, Downturned Hood
 Expansion Board
 Supply Filters - 2" Pleated MERV 8, 8-16x25x2
 Outdoor Air Dampers - Motorized Low Leakage
 Recirc Dampers - Motorized Low Leakage
 Painted Exterior - Concrete Gray (RAL 7023)
 Microprocessor Controls
 Supply Fan VFD Control - Constant Volume-AJ, Setpoint
 OAR/A Damper Controls - 0-10VDC BY HOOD CONTROL PACKAGE
 Space Thermostat - 1 Temp and RH Only
 Dirty Filter Sensor, Final
 Phase and Brown Out Protection
 Branch Circuit Fusing
 Unit Disconnected - Mounted By Factory
 Hall Guards
 Condensate Overflow Switch
 Unit Warranty - 1 Yr. (Standard)

Dimensional Overview



Plan

Curb Detail

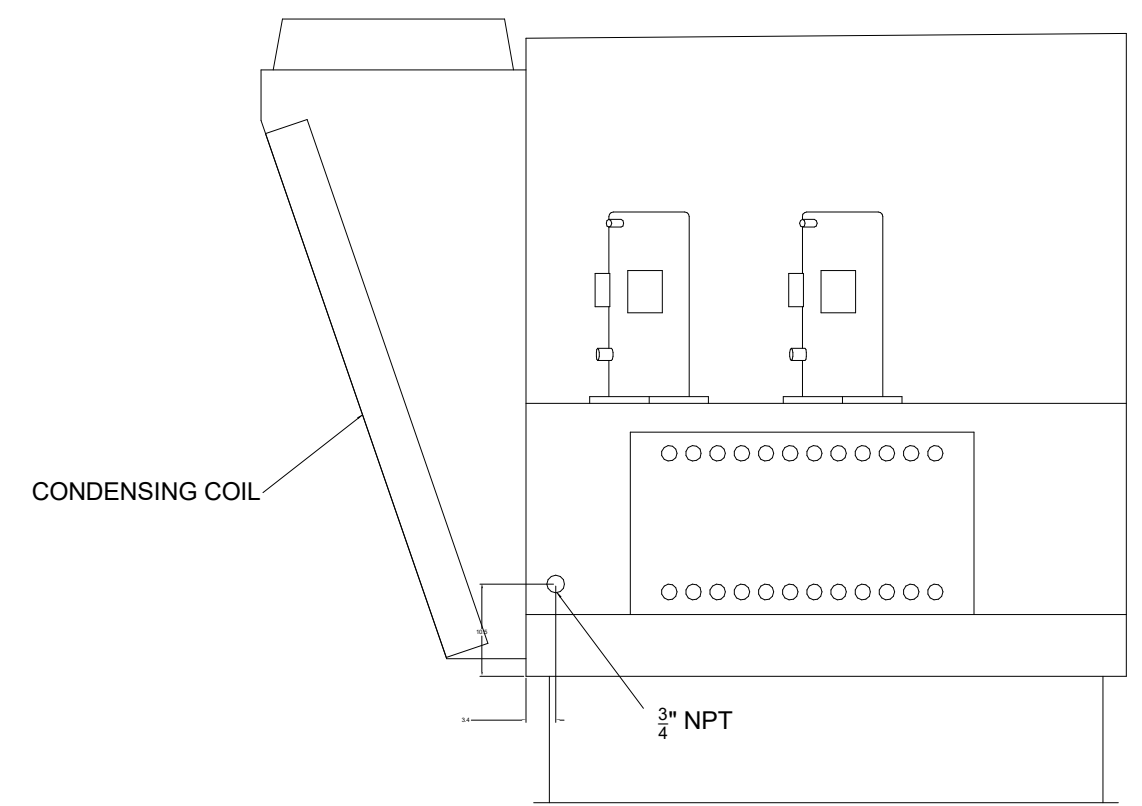


Curb Specifications

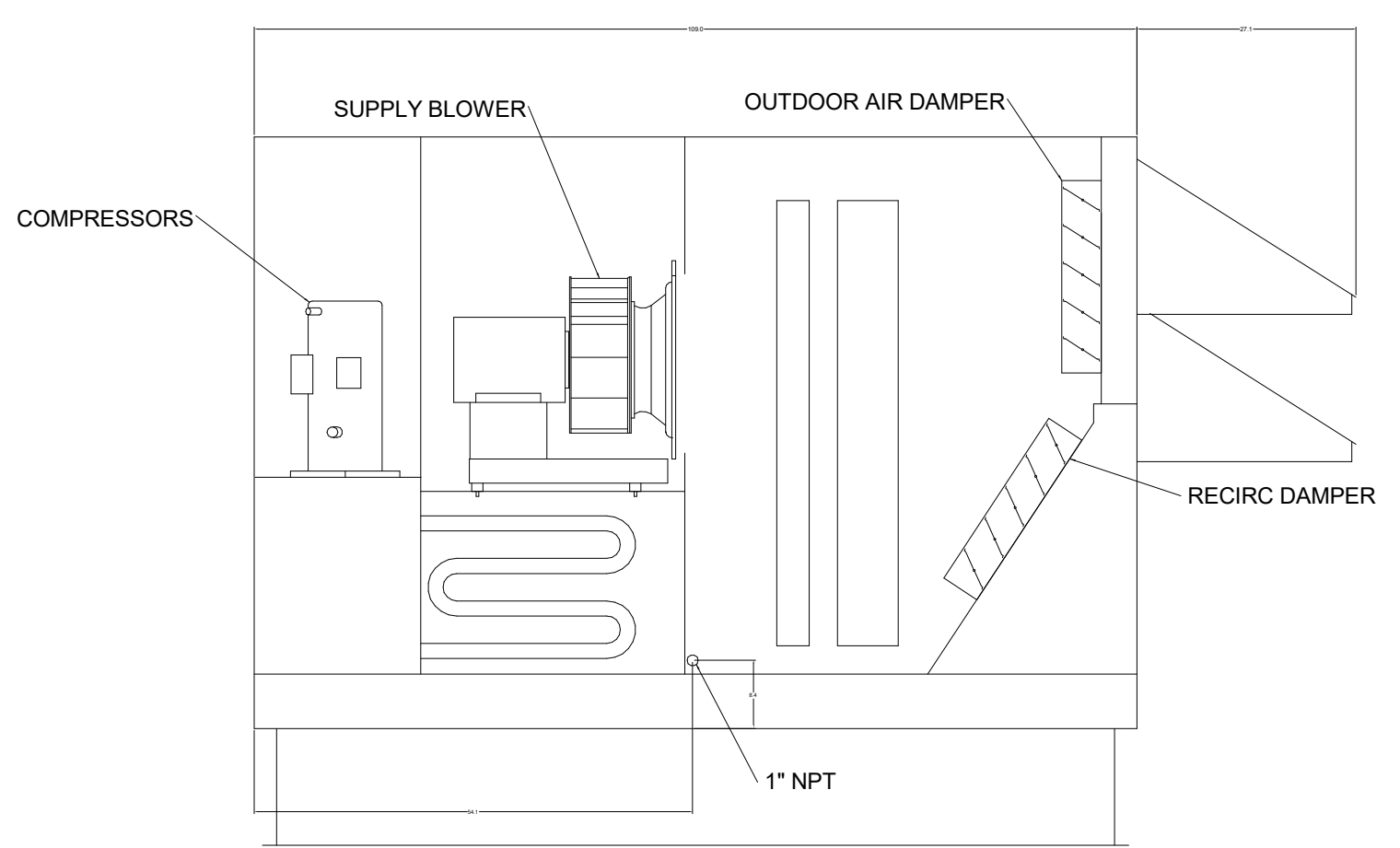
Height (in)	Length (in)	Width (in)	Material	Finish Type	Duct Adapter	Weight (lb)
14	104.4	63.74	Galvanized	Galvanized	Yes	263

Curb Installation Instructions

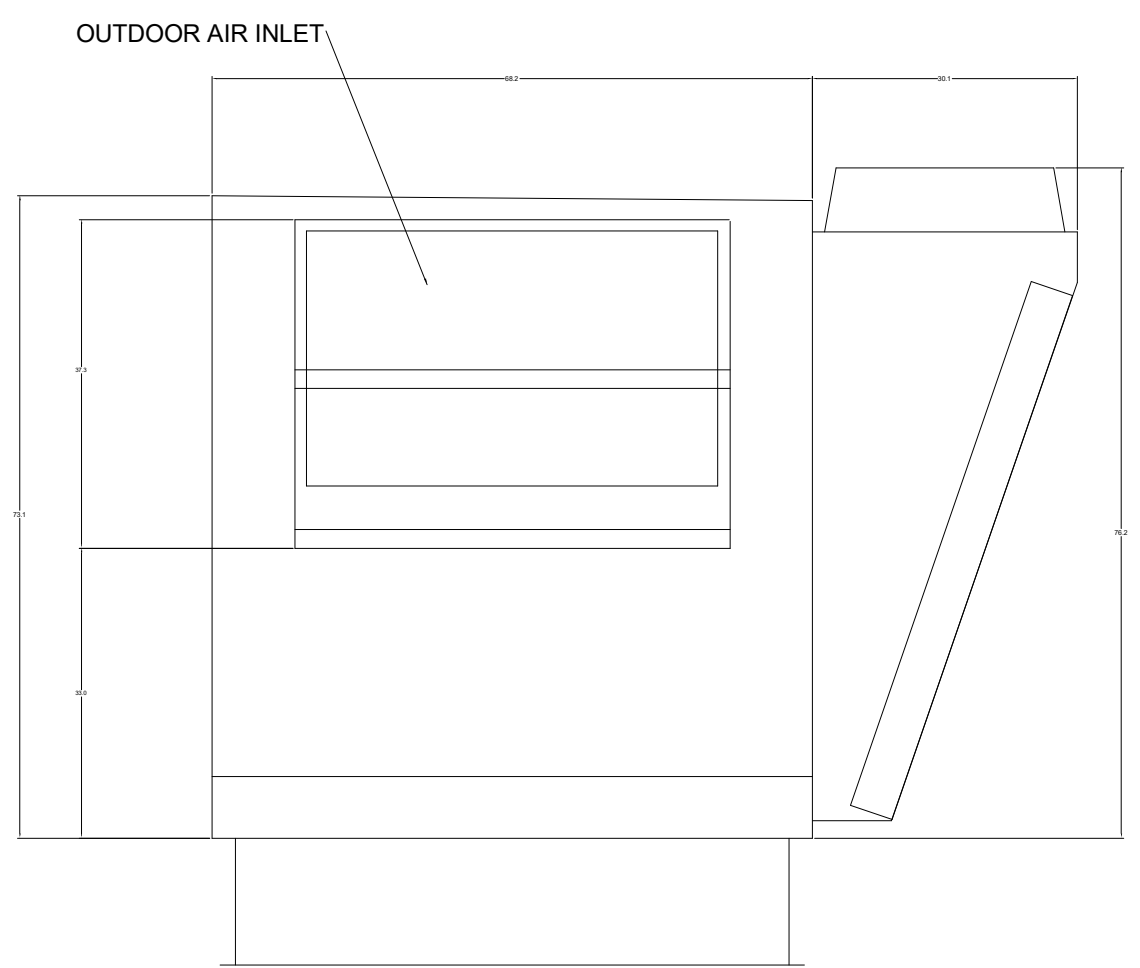
1. Factory supplied roof curbs are model GKD which ship in a knockdown kit (includes duct adapters) and require field assembly (by others) on all units except XRV-110 which are shipped assembled. Assembly instructions are included with the curb kit.
2. Install curb. Locate curb over roof opening and fasten in place. Check that the diagonal dimensions are within ± 1/8 inch of each other and adjust as necessary. For proper coil drainage and unit operation, it is important that the installation be level. Shim the curb as required to level. Install gasketing on top surface of curb (provided by others).
3. Install ductwork. Installation of all ducts should be done in accordance with SMACNA and AMCA guidelines. Duct adapters are provided to support ducts prior to setting the unit.
4. Set the unit. Lift unit to a point directly above the curb and duct openings. Guide unit while lowering to align with duct openings. Roof curbs fit inside the unit base. Make sure the unit is properly seated on the curb and level.
5. Fasten the unit. Fasten the unit to the curb/equipment support(s) using the appropriate methods. The installer is responsible for determining appropriate support and fastening methods to ensure compliance with all applicable codes.
6. Install vestibule. If unit was ordered with a vestibule and it has not yet been attached to the unit, caulk and attach the vestibule at this time.



Left End



Elevation



Right End

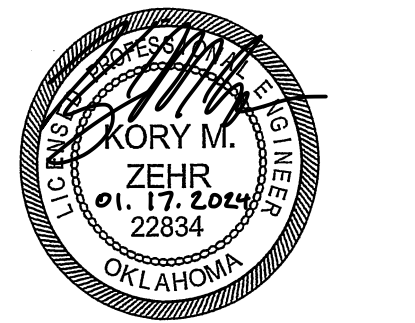
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KITCHEN EQUIPMENT

M354

CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
CONTROLS ITEM-21	XKC-DCV-S-21-2-1-0	RIGHT CABINET ON KH-1 ITEM-21	FULL COLOR TOUCHSCREEN	CABINET - RIGHT CABINET ON KH-1 ITEM-21	1	EXHAUST	E1	KEF-1	1	1828	1	115	60	1	NO	NO
					2	EXHAUST	E2	KEF-2	1	1828	1	115	60	1	NO	NO
					3	SUPPLY	S1	DOAS-1	1	4500	5	208	60	3	NO	NO

CONTROL FEATURES

- HOOD LIGHT CONTROL
- TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
- DRY FIRE CONTACTS - QTY. 1
- LIGHTS OFF DURING FIRE
- EXHAUST MAX DURING FIRE
- SUPPLY OFF DURING FIRE



DOC NUMBER: ##### REV: #####

CAUTION
UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

ATTENTION
L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.

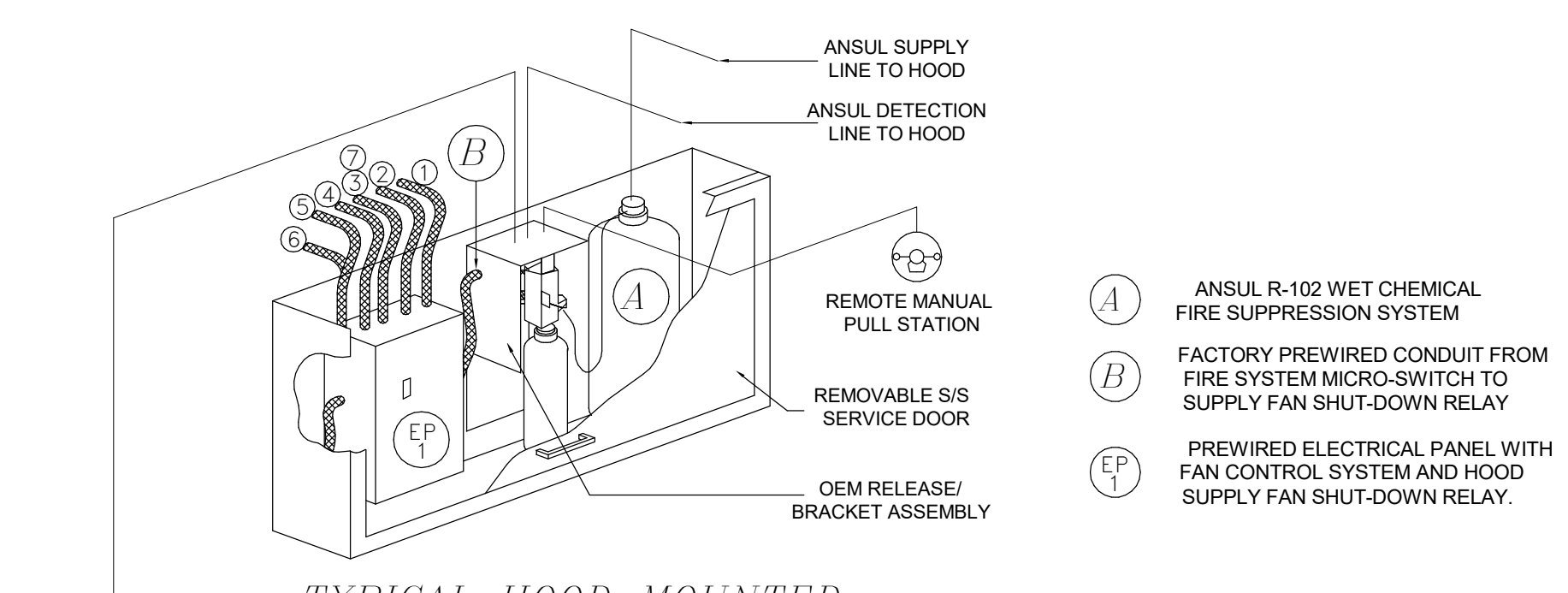
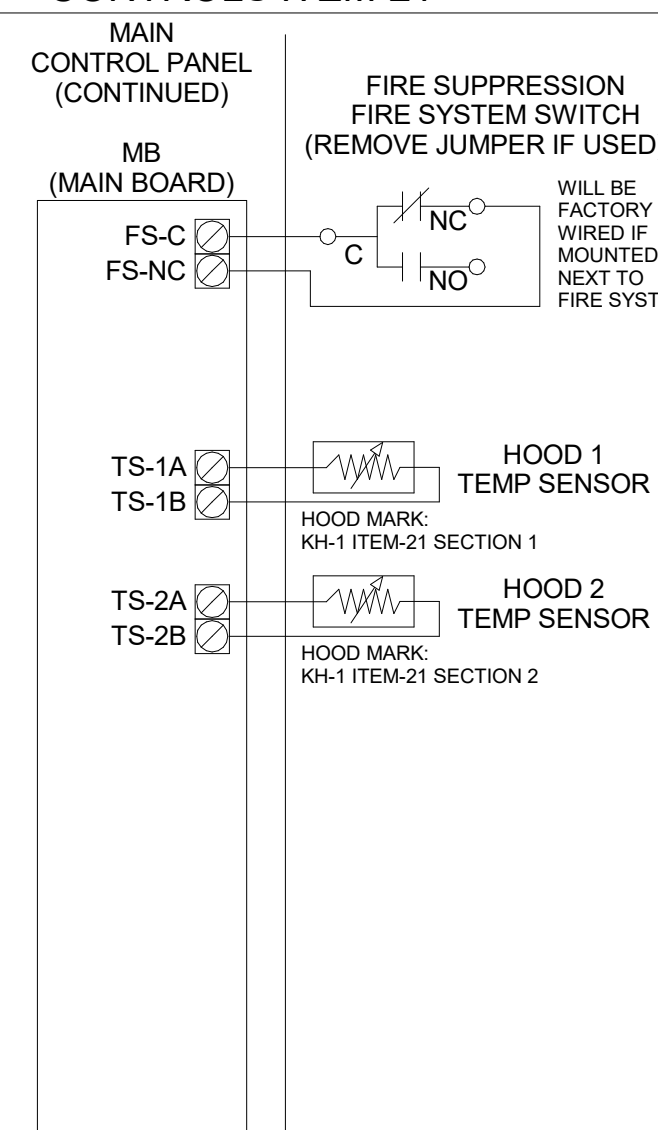
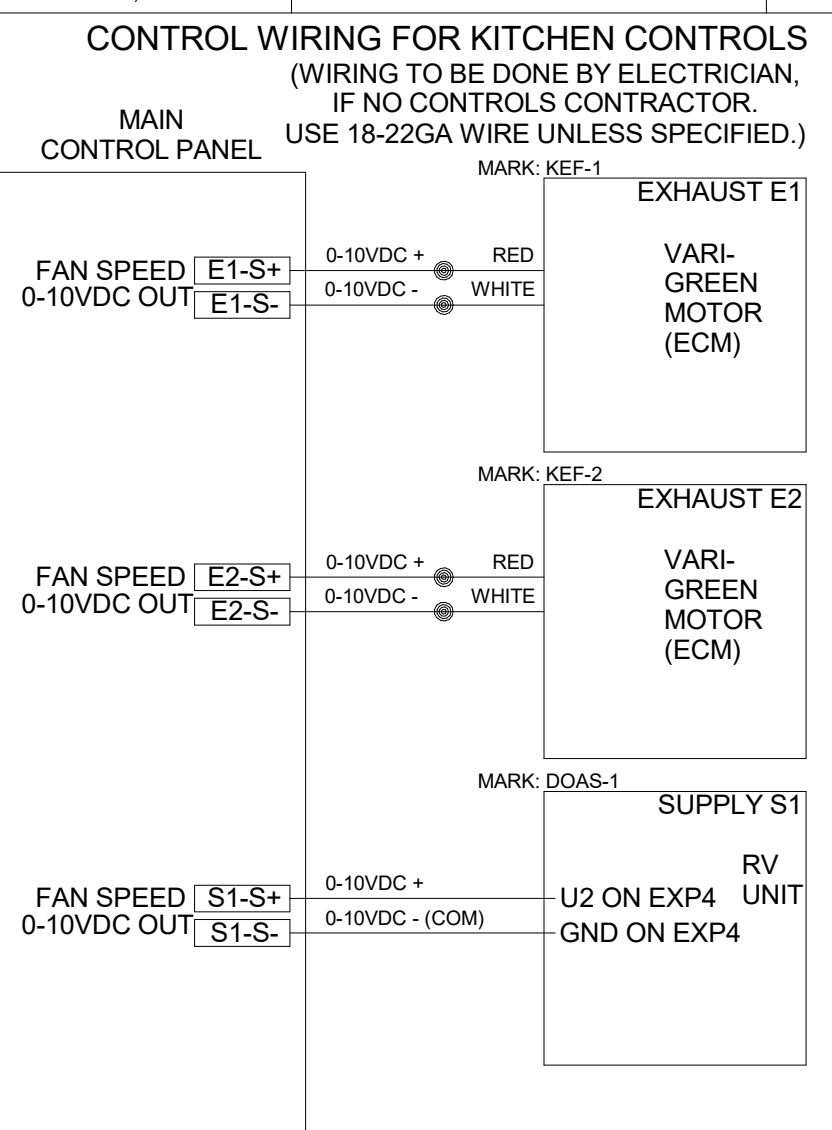
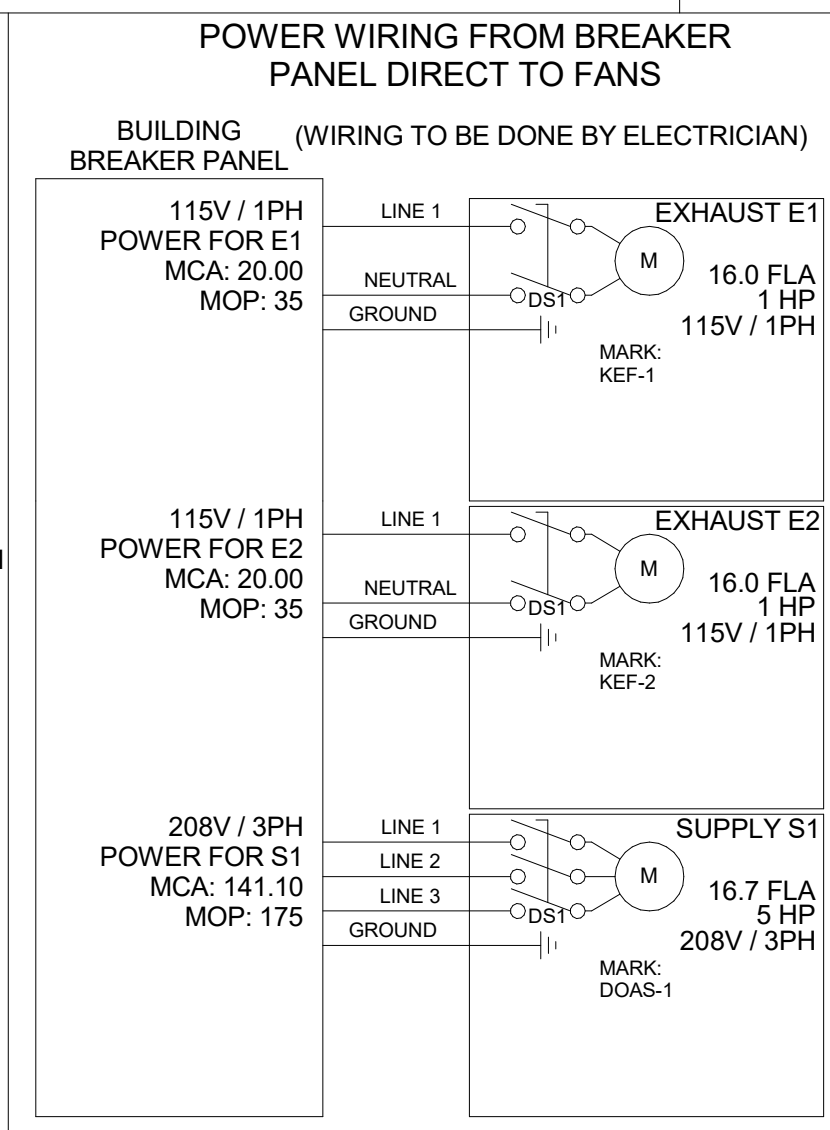
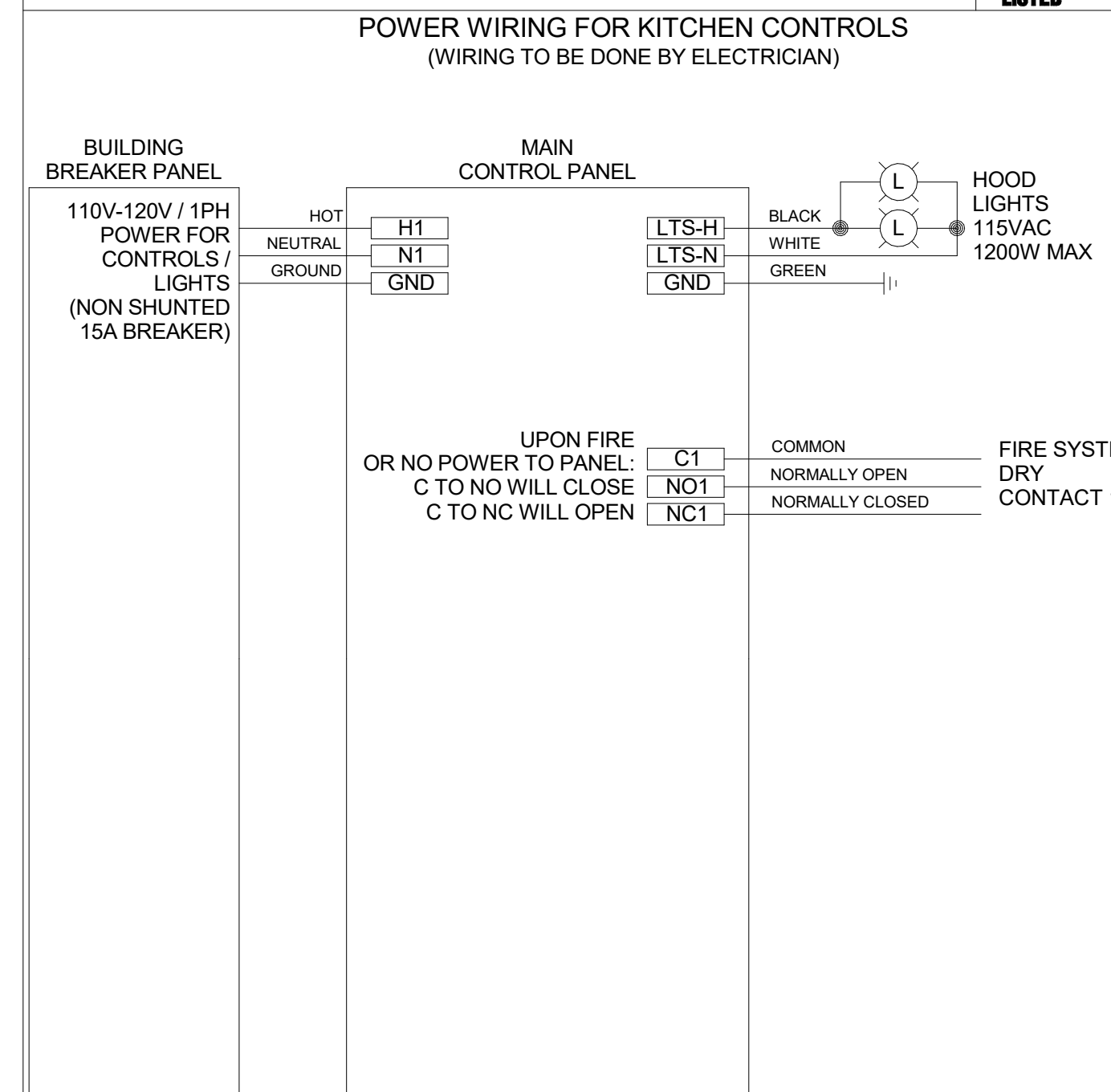
COMMERCIAL APPLIANCE OUTLET CENTER
ELECTRICAL RATINGS: 110-240V, 1PHASE, 50 - 60HZ, 15A
BASE FILE #E200616, ML FILE #E313951

PRG VERSION: V4
FIELD WIRED (CÂBLE LOCALEMENT)
FACTORY WIRED (CÂBLE À L'USINE)

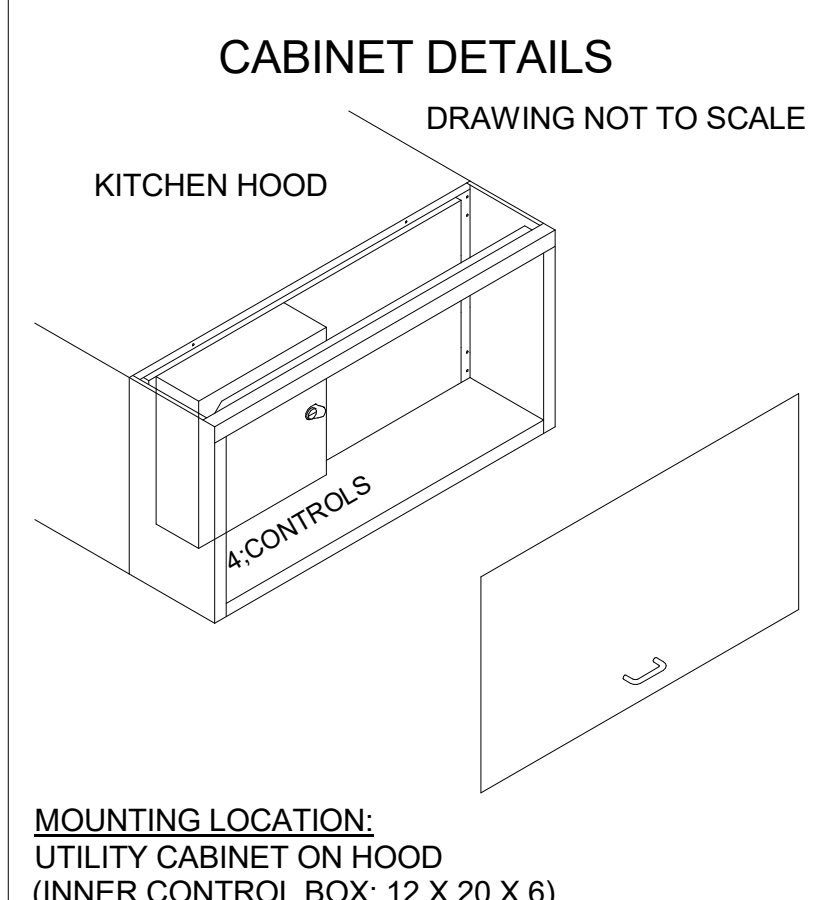
THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE POWER LUGS/SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-8858.

NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT. SAUF INDICATION CONTRAIRE, UTILISER DES CONDUCTEURS EN CUIVRE CLASSÉS 90°C. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LBS-PO. SERRER LES COSSÉS/VS D'ALIMENTATION AUX COULES INDIQUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3,5 LBS-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0,75 OHM. POUR PLUS D'INFORMATION, CONSULTER LE MANUEL OU APPELER 1-800-371-8858.

WIRING DIAGRAM CODE: #####
JOB NAME: KIOWA CASINO HOBART OK
REV1
MODEL: XKC-DCV-S-21-2-1-0
SERIAL NUMBER: WDSN#
MARK: CONTROLS ITEM-21



- TYPICAL HOOD MOUNTED CABINET**
- ① SERVICE REQUIREMENTS FOR CONTROL PANEL - BY ELECTRICAL CONTRACTOR
- 120/1 CONTROL CIRCUIT FOR HOOD CONTROLS AND LIGHT FIXTURES
 - TWO 120/1 CIRCUIT FROM BREAKER BOX DIRECT TO EXHAUST FAN UNITS
 - TWO 24V INTERCONNECTION CIRCUIT FROM PREWIRE CONTROL TO EXHAUST FAN UNITS
 - FOR FAN UNIT CONTROL CIRCUIT
 - 208/3 CIRCUIT FROM BREAKER BOX DIRECT TO DOAS MAU UNIT ON ROOF
 - 24V INTERCONNECTION CIRCUIT FROM PREWIRE CONTROL TO DOAS MAU UNIT FOR DOAS UNIT O/A DAMPER CONTROLS
 - INTERCONNECTION FROM ANSUL MICROSWITCH TO ELECTRICAL SHUNT TRIP DEVICE FOR FUEL SHUTDOWN UPON ACTIVATION OF FIRE SYSTEM (DEVICE BY OTHERS)
 - INTERCONNECTION FROM ANSUL ALARM SWITCH CONTROL TO BUILDING ALARM PANEL FOR ANNUNCIATION UPON ACTIVATION OF FIRE SYSTEM
 - 120/1 INTERCONNECTION FROM HOOD 1 TO HOOD 2 J-BOX
 - 24V INTERCONNECTION FROM PREWIRE CONTROLS TO HOOD TEMP SENSOR J-BOX

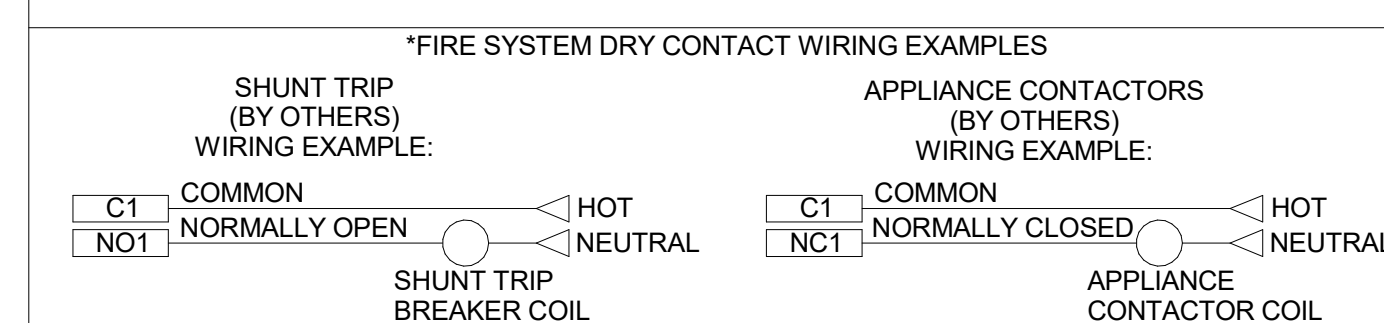


USER INTERFACE DETAILS

MOUNTING TYPE
FACTORY MOUNTED:
UTILITY CABINET - RIGHT END OF HOOD

USER INTERFACE CONTROL
FANS AND LIGHTS

INTERFACE CABLE LENGTH
7FT (FACTORY PROVIDED)



NOTES:

- 1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.
- 2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

WIRING DIAGRAM CODE: #####
JOB NAME: KIOWA CASINO HOBART OK
REV1
MODEL: XKC-DCV-S-21-2-1-0
SERIAL NUMBER: WDSN#
MARK: CONTROLS ITEM-21
DOC NUMBER: ##### REV: #####

DEFAULT SETTINGS / PARAMETRES PAR DÉFAUT

FACTORY SETTINGS
TYPE: VAV
CONFIGURATION: STANDARD
ZONES: 1
HOODS: 2
SUMPS: 0
EXHAUST FANS: 2
SUPPLY FANS: 1
MB ROOM SENSOR: NO
MB TEMP SENSORS: 2
HIGH TEMP FAULT: NO
FREEZE PROTECTION: YES
GAS RESET: NO
FAN PROVING: NO
BMS: NONE

ZONE SETTINGS
SEE ZONE CONFIGURATION IN TABLE ON LEFT

HOOD SETTINGS
SEE HOOD CONFIGURATION IN TABLE ON LEFT

EXHAUST FAN SETTINGS
SEE FAN CONFIGURATION IN TABLE ON LEFT

SUPPLY FAN SETTINGS 4
SEE FAN CONFIGURATION IN TABLE ON LEFT

SENSOR SETTINGS
SEE HOOD CONFIGURATION IN TABLE ON LEFT

USER INTERFACE SETTINGS (MB) 4
FAN & LIGHT BUTTONS: SHOW BOTH (SEPERATE)

USER INTERFACE SETTINGS (HCB)
NA

GENERAL SETTINGS 4
TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)

FIRE/FAULT SETTINGS 4
EXHAUST DURING FIRE: MAX
SUPPLY DURING FIRE: OFF
LIGHTS DURING FIRE: OFF

BMS SETTINGS
NA

PRG VERSION: V4

ZONE CONFIGURATION									
ZONE #	ZONE	ROOM TEMP							
1	Z1	PRESET							

HOOD CONFIGURATION							
HOOD #	HOOD	HOOD MARK	ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS	HCB
1	H1	KH-1 ITEM-21 SECTION 1	Z1	E1	S1	TS1	NO
2	H2	KH-1 ITEM-21 SECTION 2	Z1	E2	S1	TS2	NO

FAN CONFIGURATION												
FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ.	MAX FREQ.	MIN VDC	MAX VDC
1	EXHAUST	E1	KEF-1	Z1	914	1828	NO	-	-	-	5.0	10.0
2	EXHAUST	E2	KEF-2	Z1	914	1828	NO	-	-	-	5.0	10.0
3	SUPPLY	S1	DOAS-1	Z1	2250	4500	NO	-	-	-	5.0	10.0

****WHEN FIRE SYSTEM IS ARMED, FS-C TO FS-NC SHOULD HAVE CONTINUITY**

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918.764.9996

ARCHITECTURE

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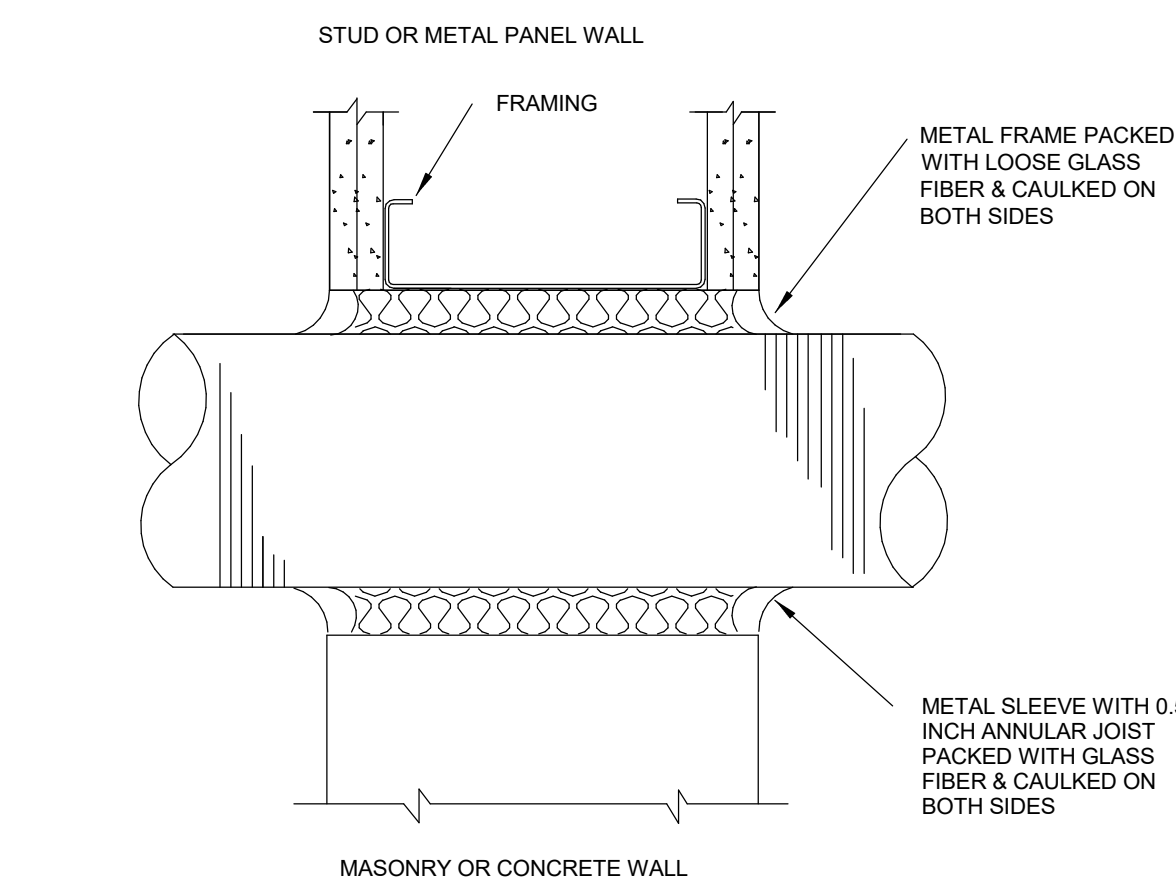
SHEET TITLE:
KITCHEN EQUIPMENT

M355



NO.	REVISION	DATE

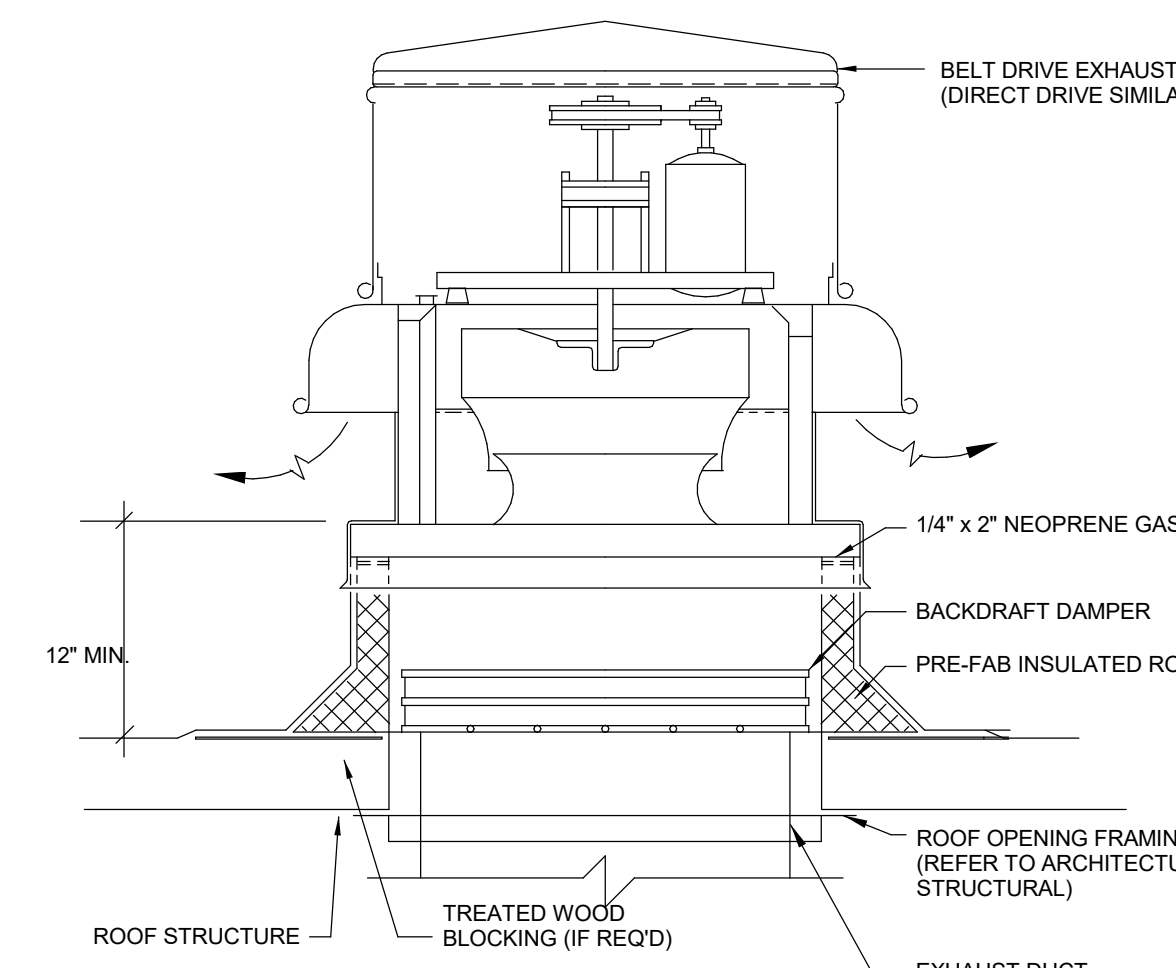
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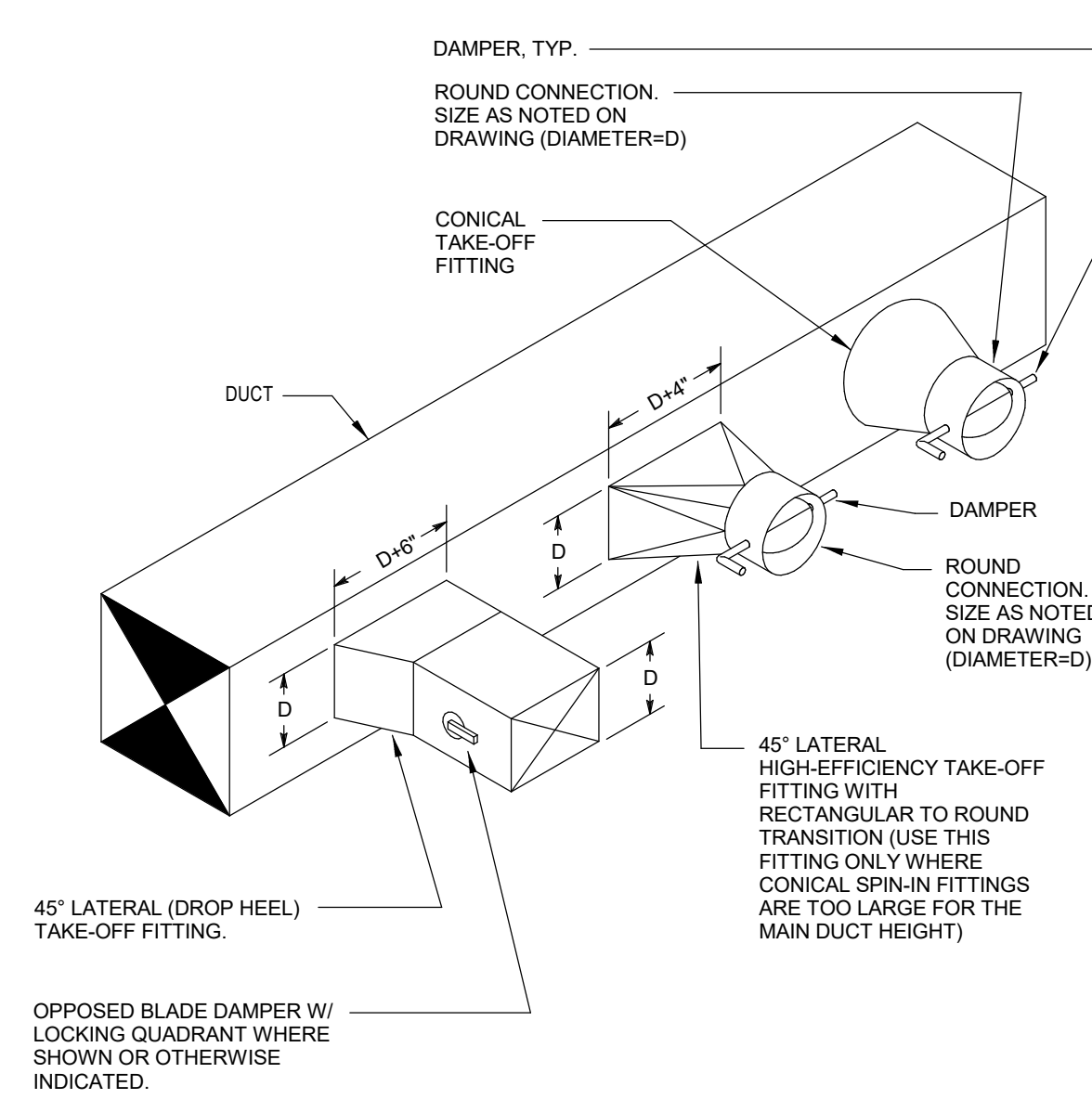
NOTE: TYPICAL AT PENETRATION THROUGH SOUND WALLS EQUIPMENT ROOM WALLS, FIRE WALLS, ETC. PROVIDE ESCUTCHEONS OR ANGLED CLOSURE STRIPS WHERE PENETRATIONS ARE EXPOSED TO VIEW.

A TYP. DUCT, CONDUIT AND PIPE WALL, FLOOR, AND ROOF PENETRATIONS
SCALE: NONE

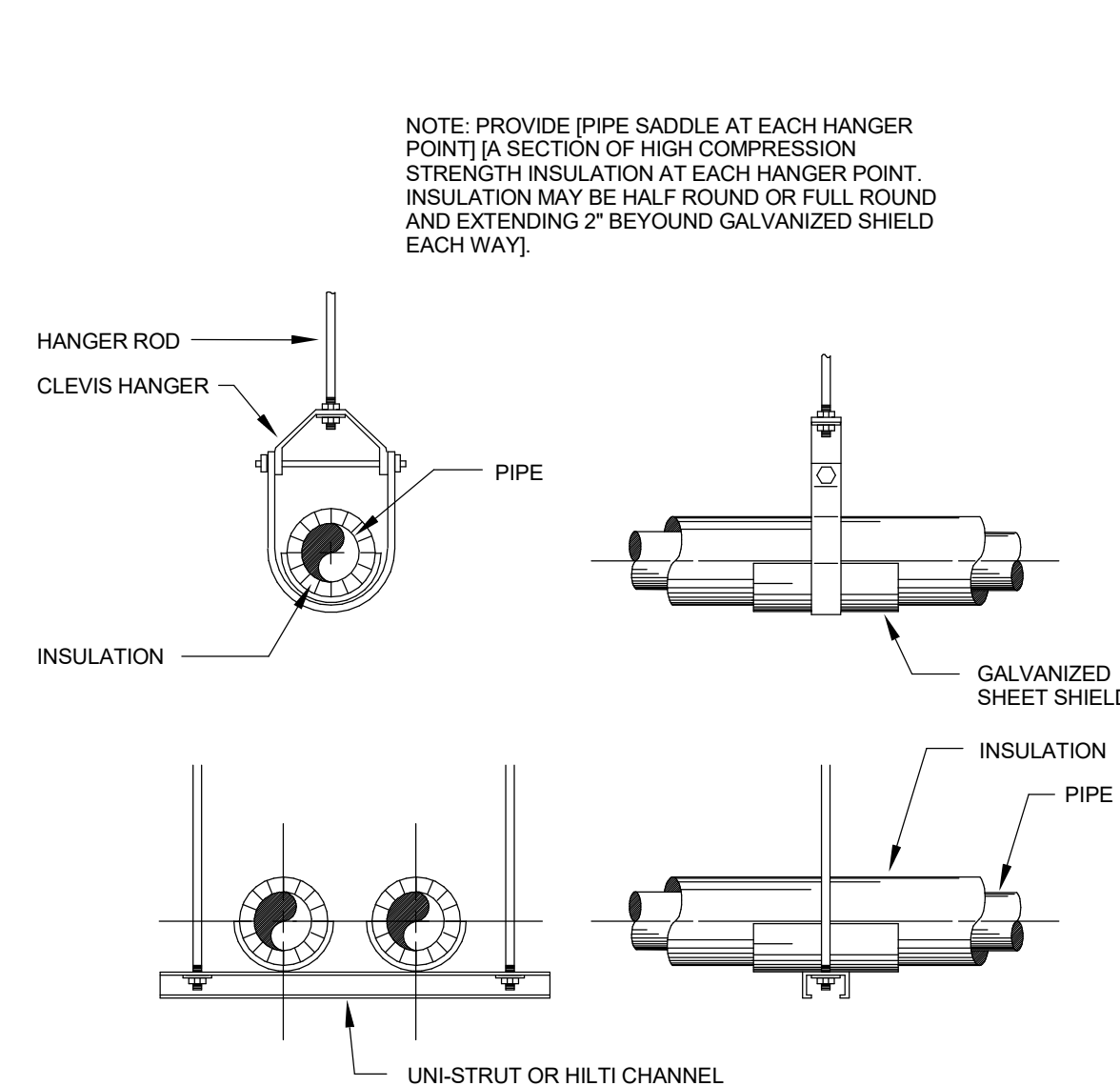
NOTES:
1. CURB & ROOF OPENING EXACT DIMENSIONS SHALL BE DETERMINED BY FAN MFR. COORDINATE WITH STRUCTURAL REQUIREMENTS.
2. BY FAN MFR. COORDINATE WITH STRUCTURAL REQUIREMENTS.
3. MOUNT TOP OF CURB LEVEL. VERIFY ROOF SLOPE & FABRICATE CURB ACCORDINGLY.



E CENTRIFUGAL TYPE ROOF EXHAUSTER DETAIL
SCALE: NONE



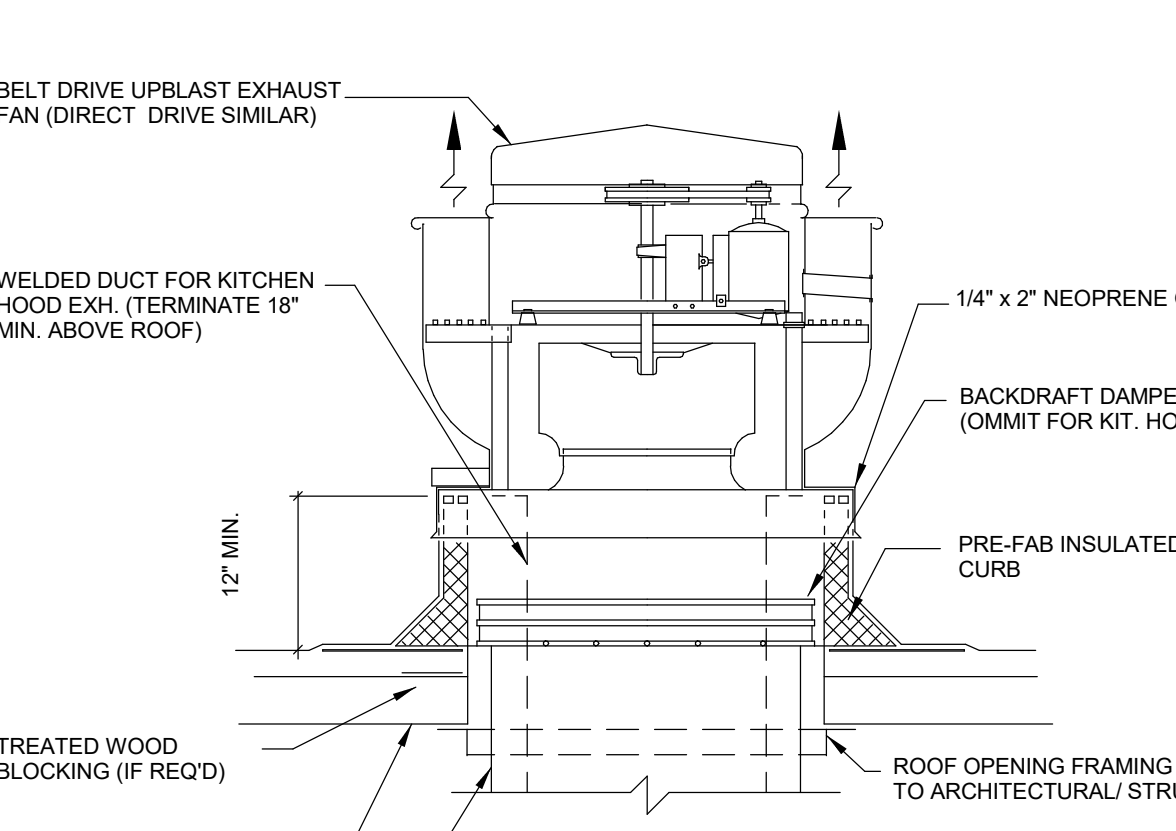
I BRANCH DUCT TAKE-OFF FITTING DETAIL
SCALE: NONE



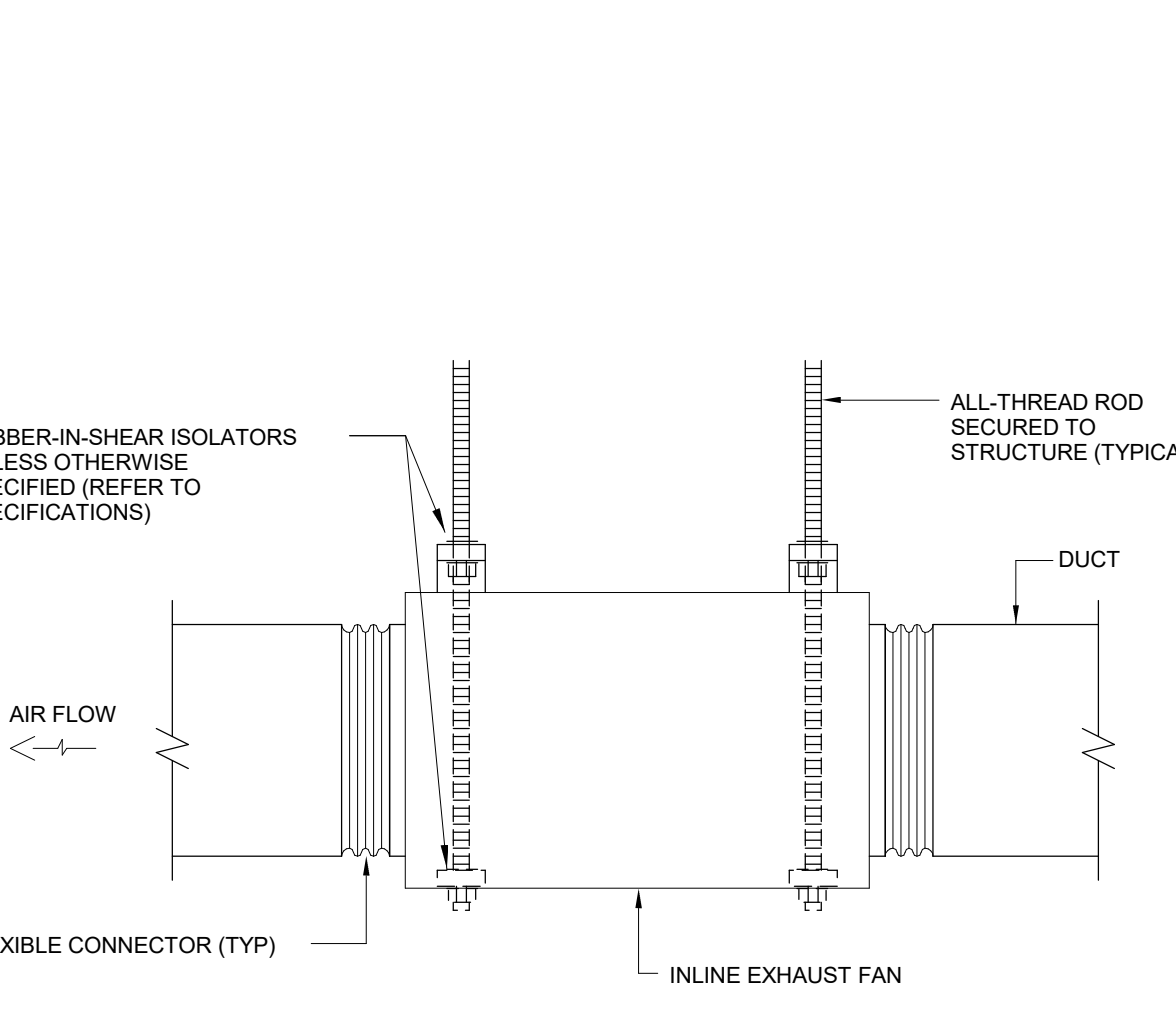
NOTE: PROVIDE (PIPE SADDLE AT EACH HANGER POINT) [A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER POINT. INSULATION MAY BE HALF ROUND OR FULL ROUND AND EXTENDING 2" BEYOND GALVANIZED SHIELD EACH WAY].

B HANGERS FOR WATER PIPING
SCALE: NONE

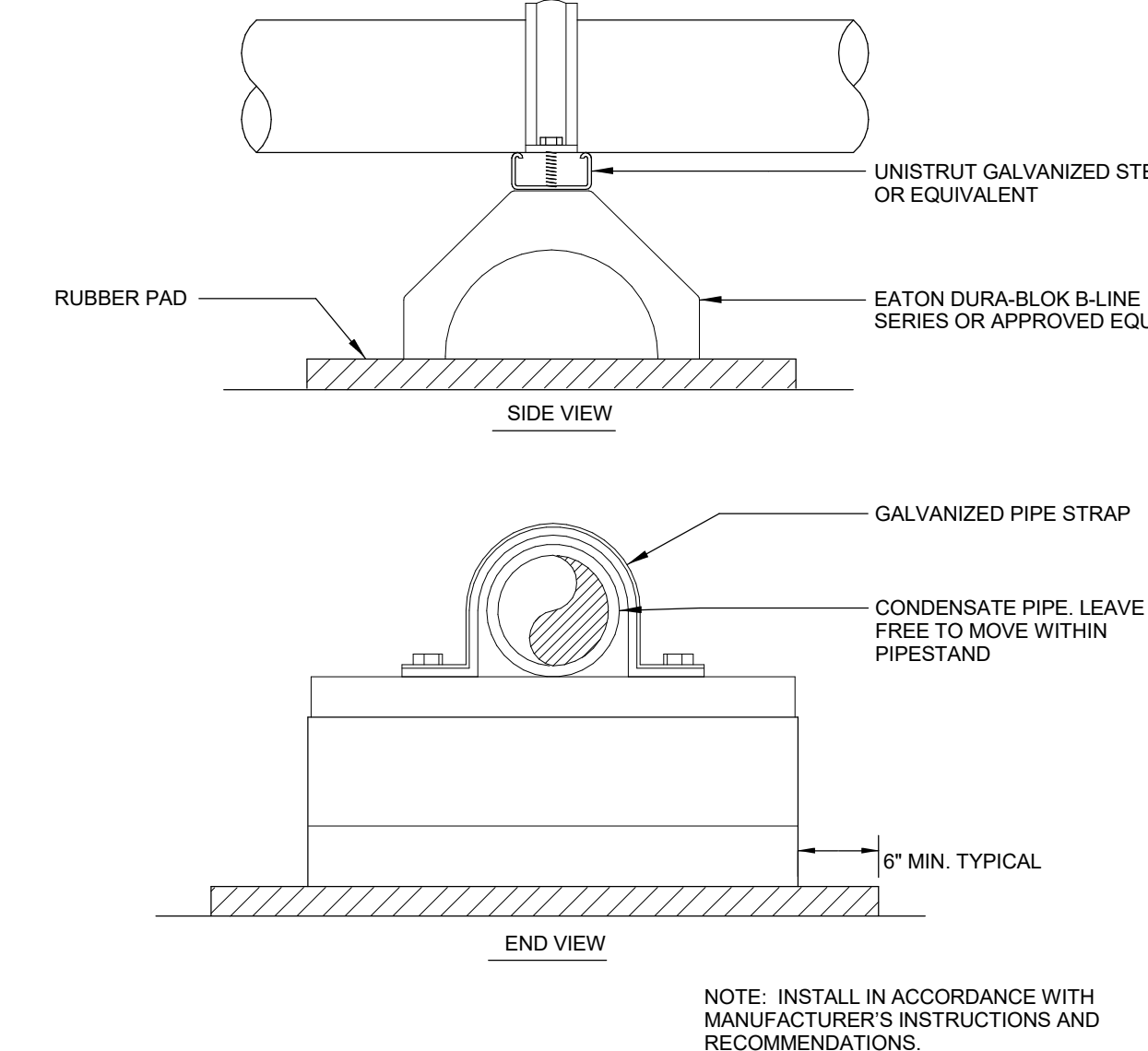
NOTES:
1. CURB & ROOF OPENING EXACT DIMENSIONS SHALL BE DETERMINED BY FAN MFR. COORDINATE WITH STRUCTURAL REQUIREMENTS.
2. MOUNT TOP OF CURB LEVEL. VERIFY ROOF SLOPE & FABRICATE CURB ACCORDINGLY.
3. 40" MIN. DISCHARGE HEIGHT ABOVE ROOF FOR KITCHEN HOOD EXHAUST. ADJUST CURB HEIGHT ACCORDINGLY. PROVIDE 24" HIGH CURB W/ SIDE VENTS WHERE EXH. DUCT IS INSIDE RATED ENCLOSURE. MAINTAIN CODE REQ'D. CLEARANCES BETWEEN KITCHEN EXHAUST DUCT & ROOF PENETRATION.



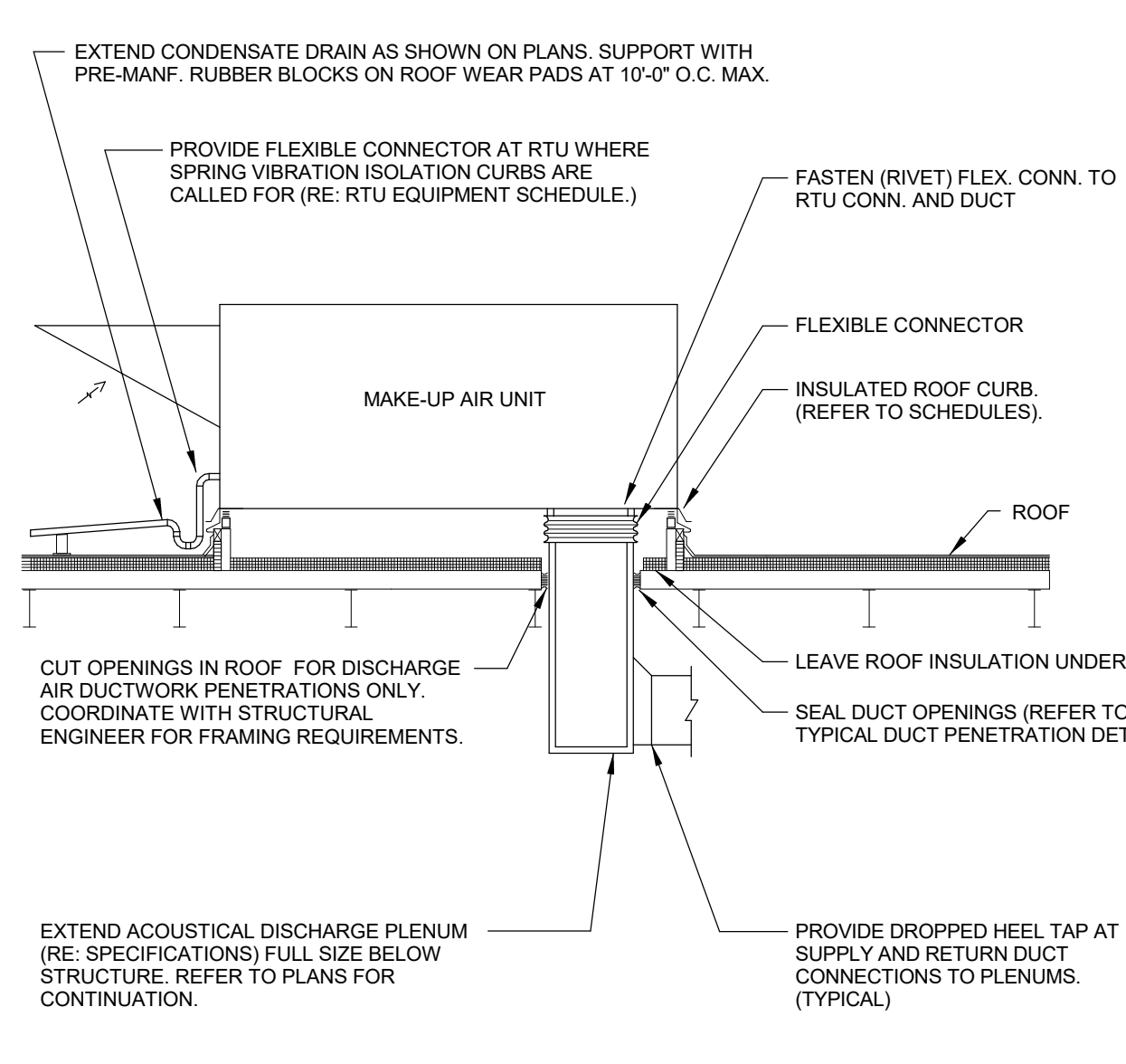
F UPBLAST CENTRIFUGAL ROOF EXHAUSTER DETAIL
SCALE: NONE



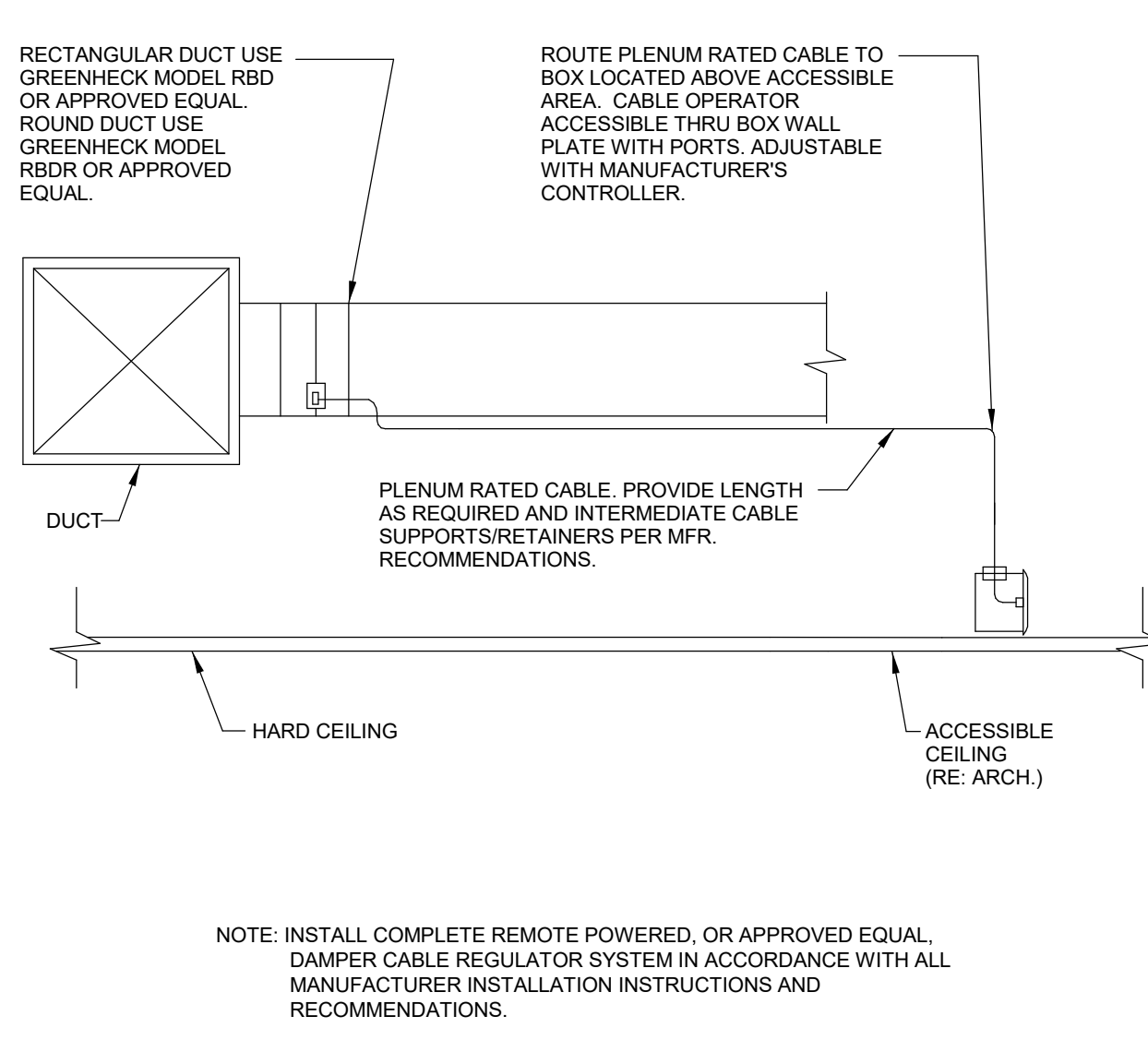
J EXHAUST FAN DETAIL
SCALE: NONE



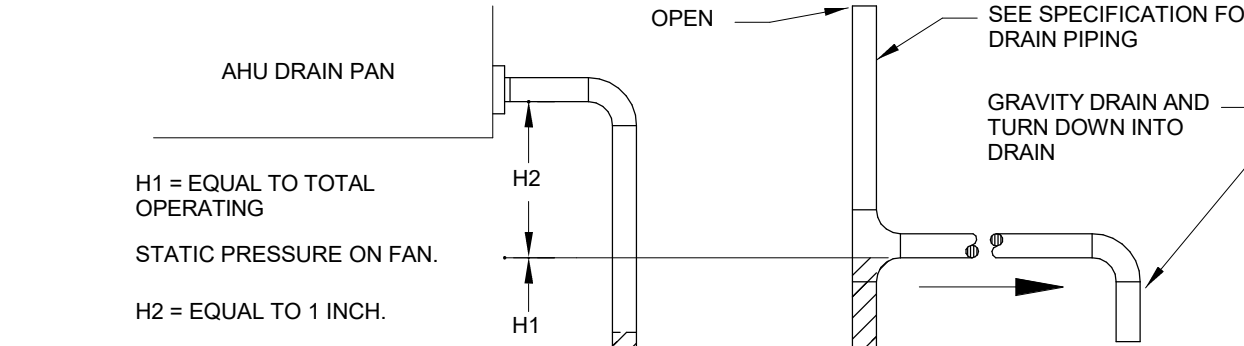
C ROOF CONDENSATE PIPING SUPPORT
SCALE: NONE



G MAKE-UP AIR UNIT DETAIL
SCALE: NONE

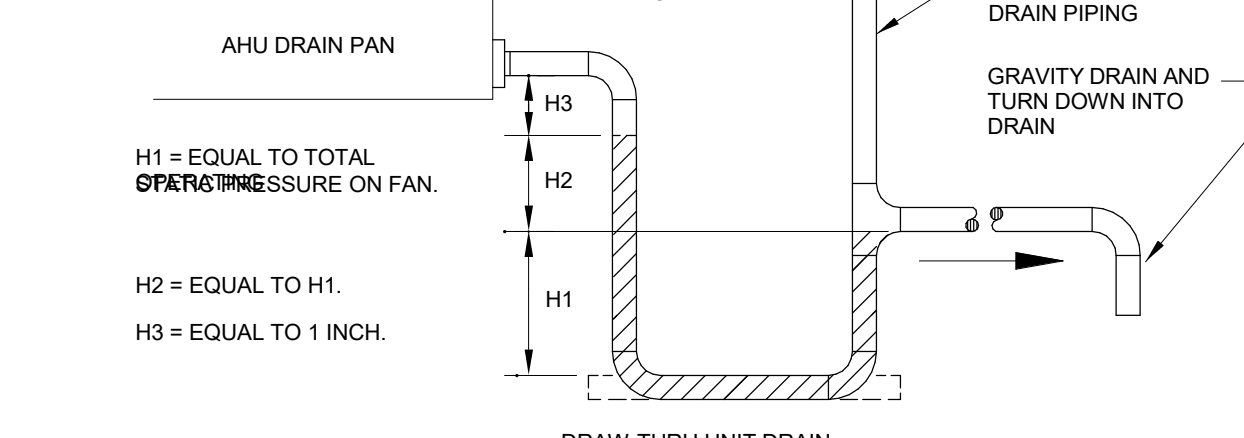


D CABLE OPERATED DAMPER REGULATOR DETAIL
SCALE: NONE



PIPE SIZE TABLE (TYP.)

UNQ. TONS (MBH)	SIZE (IN)
0-2 (0-24)	3/4"
2-5 (24-60)	1"
5-30 (60-360)	1 1/4"
30-50 (360-600)	1 1/2"
50-165 (600-1980)	2"



H UNIT CONDENSATE DRAIN TRAP DETAIL
SCALE: NONE

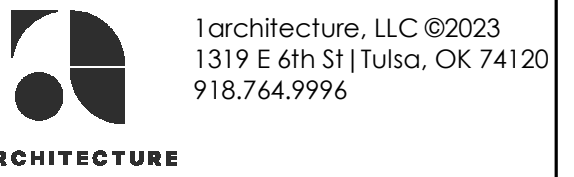
AIR HANDLING UNIT SCHEDULE

UNIT DESIGNATION		AHU-1	AHU-2	AHU-3	AHU-4	AHU-5	AHU-6	AHU-7	AHU-8	AHU-9	AHU-10	AHU-11	
MANUFACTURER		TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	ICP	TRANE	TRANE	
MODEL NO.		YCH420C4M	YCH420C4M	YCH420C4M	YHC048	YHC060	YHC060	YHC060	YHC048	RAV090L02	YHC060	YHC036	
UNIT ARRANGEMENT		HORIZONTAL	HORIZONTAL	HORIZONTAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	
NOMINAL TONNAGE		35	35	35	4	5	5	5	4	7.5	5	3	
MINIMUM EER (AHR)		10.4	10.4	10.4	--	--	--	--	--	11.4	--	--	
MINIMUM SEER (AHR)		--	--	--	15.0	15.0	15.0	15.0	15.0	--	15.0	15.0	
OUTSIDE AIR													
AIR FLOW - CFM		2295	2295	2295	150	200	150	175	100	575	350	100	
AIR FLOW - CFM		12000	12000	12000	1600	1800	1750	1800	1600	2500	1800	1125	
ESP - IN. WG		1.2	1.2	1.2	0.75	0.75	0.75	0.75	0.60	0.75	0.75	0.75	
DRIVE TYPE		BELT	BELT	BELT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	
MOTOR HORSEPOWER		15	15	15	1	1	1	1	1	3	1	0.75	
HEAT TYPE		NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	--	NAT. GAS	NAT. GAS	
INPUT CAPACITY - MBH		350	350	350	60	60	60	60	60	--	130	60	
STAGES		MODULATING	MODULATING	MODULATING	1	1	1	1	1	--	1	1	
ENTERING AIR TEMP. - °F		70	70	70	50	50	50	50	50	--	50	50	
LEAVING AIR TEMP. - °F		92	92	92	90	90	90	90	90	--	90	90	
EVAPORATOR ROWS / FPI		5/-	5/-	5/-	3/16	3/16	3/16	3/16	3/16	3/15	3/16	3/16	
SENSIBLE CAPACITY - MBH		269.6	269.6	269.6	45	45	45	45	45	62	45	27	
TOTAL CAPACITY - MBH		361.1	361.1	361.1	49	61	61	61	49	86	61	37	
ENTERING AIR TEMP. (DB/WB) - °F		78.5/65.1	78.5/65.1	78.5/65.1	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	
LEAVING AIR TEMP. (DB/WB) - °F		56.6/54.6	56.6/54.6	56.6/54.6	56/55	56/55	56/55	56/55	56/55	56/55	56/55	56/55	
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
COMPRESSOR QTY.		3	3	3	1	1	1	1	1	2	1	1	
CONDENSER OUTDOOR AMBIENT - °F		100	100	100	95	95	95	95	95	95	95	95	
TOTAL CAPACITY - MBH		221.9	221.9	221.9	--	--	--	--	--	--	--	--	
ENTERING AIR TEMP. (DB) - °F		73.0	73.0	73.0	--	--	--	--	--	--	--	--	
LEAVING AIR TEMP. (DB) - °F		70.0	70.0	70.0	--	--	--	--	--	--	--	--	
CONTROL		MODULATING	MODULATING	MODULATING	--	--	--	--	--	--	--	--	
LATENT CAPACITY - MBH		174.6	174.6	174.6	--	--	--	--	--	--	--	--	
TYPE		PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	PLEATED	
DEPTH (PRE-FILTER/FINAL FILTER)		2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	
EFFICIENCY (PRE-FILTER/FINAL FILTER)		MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	
MIXING DAMPERS		ECONOMIZING	ECONOMIZING	ECONOMIZING	ECONOMIZING	ECONOMIZING	ECONOMIZING	ECONOMIZING	ECONOMIZING	--	ECONOMIZING	ECONOMIZING	
VOLTAGE		460	460	460	460	460	460	460	460	460	460	460	
PHASE		3	3	3	3	3	3	3	3	3	3	3	
HERTZ		60	60	60	60	60	60	60	60	60	60	60	
MOCP		110	110	110	15	20	20	20	15	20	20	15	
FLA		--	--	--	--	--	--	--	--	--	--	--	
UNIT MCA		100.0	100.0	100.0	13	14	14	14	13	19	14	12	
OPERATING WEIGHT - LBS		5362	5362	5362	711	755	755	755	711	743	755	532	
REMARKS		1-10	1-10	1-10	1-9	1-9	1-9	1-9	1-9	11	1-9	1-9	

- REMARKS
- DISCONNECT SWITCH.
 - MANUFACTURER'S DDC CONTROLLER, BACNET.
 - 100% ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL, POWERED EXHAUST.
 - SINGLE ZONE VAV CONTROL.
 - HAIL GUARD.
 - HINGED ACCESS DOORS.
 - 115 VOLT CONVENIENCE OUTLET, NON-POWERED.
 - STAINLESS STEEL DRAIN PAN.
 - 14" ROOF CURB.
 - FACTORY VFD.
 - OWNER PROVIDED UNIT. CONTRACTOR TO PROVIDE AND INSTALL ROOF CURB AND MANUFACTURER'S FIELD INSTALLED TWO POSITION OUTSIDE AIR DAMPER.

MASS ARCHITECTS. BIG IDEAS.

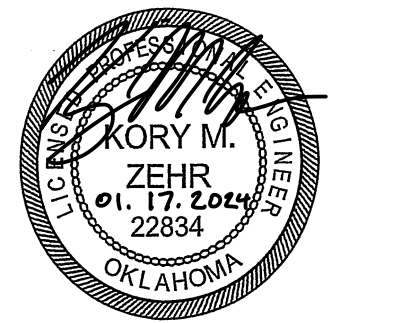
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Phillips+Gomez

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Oklahoma Certificate of Authorization #CA1395
Renewal Date: 06.30.25



KIOWA TRIBE KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET

DATE:
01.17.2024

DRAWN BY:
MBW

CHECKED BY:
GBS

SHEET TITLE:
HVAC SCHEDULES

M501

ELECTRIC UNIT HEATER SCHEDULE

UNIT DESIGNATION	UH-1	UH-2	UH-3
SERVICE	LOADING DK	LOADING DK	MECH RM
MANUFACTURER	QMARK	QMARK	QMARK
MODEL NO.	MUH05-81	MUH05-81	MUH05-81
FAN	AIRFLOW - CFM	350	350
ELECTRICAL	CAPACITY - KW	5.0	5.0
	VOLTS	208	208
	PHASE	1	1
	HERTZ	60	60
	AMPS	24.0	24.0
REMARKS	1,2,3	1,2,3	1,2,3

REMARKS

- UNIT MOUNTED THERMOSTAT (SET AT 60°F, (ADJ.)), CONTROL TRANSFORMER AND RELAY, HIGH LIMIT SAFETY CONTROLS..
- WALL/CEILING MOUNTING BRACKET.
- POWER DISCONNECT SWITCH.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

UNIT DESIGNATION	A	B	C	D	E	F	G	H	I	J
MANUFACTURER	TROX	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL NO.	FBA-3-V-KF-SM200	300RL	300RL	350RL	50F	50F	OMNI	OMNI	350ZFL	OMNI
SERVICE	SUPPLY	SUPPLY	SUPPLY	RETURN/EXHAUST	RETURN	RETURN/EXHAUST	SUPPLY/RETURN	SUPPLY/RETURN	RETURN	SUPPLY
TYPE	ROUND	LOUVER	LOUVER	LOUVER	EGGCRATE	EGGCRATE	PLAQUE	PLAQUE	LOUVER	PLAQUE
FACE SIZE - IN.	24x24	SEE DWGS	SEE DWGS	SEE DWGS	24x24	24x24	24x24	24x24	48x48	12x12
NO. SLOTS/SLOT SIZE - IN.	--	--	--	--	--	--	--	--	--	--
MOUNTING	FLOOR	GYP, SIDEWALL	DUCT	GYP, SIDEWALL	LAY-IN	GYP, CEILING	LAY-IN	GYP, CEILING	DUCT	GYP, CEILING
FINISH	COORDINATE W/...	--	--	--	--	--	--	--	--	--
REMARKS	80-95 CFM									

REMARKS

GENERAL NOTES

- REFER TO REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR EXACT LOCATION OF ITEMS.
- REFER TO PLANS FOR NECK SIZES.
- REFER TO MECHANICAL FLOOR PLANS FOR CONFIGURATION DATA THAT IS NOT SHOWN ABOVE.
- WHERE REQUIRED, PROVIDE PLASTER FRAME FOR GYP. CEILING INSTALLATIONS.

VENTILATOR SCHEDULE

UNIT DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5
SERVICE	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL NO.	G-120-VG	G-095-VG	SQ-90-VG	SP-A110	SQ-97-VG
SERVICE	RESTROOMS	RESTROOMS	SOFT COUNT 137	RESTROOMS	JANITOR CLOSET
AIR FLOW - CFM	1475	725	370	75	75
EXTERNAL STATIC PRESS. - IN. WG.	0.50"	0.30"	0.60"	0.20"	0.20"
TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	INLINE
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
CURB HEIGHT-IN.				--	--
SONES	12.8	7.7	7.8	0.9	0.3
DAMPER	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT
	HP	1/2	1/6	1/10	0.19 FLA
	VOLTAGE	120	120	120	120
ELECTRICAL	PHASE	1	1	1	1
	HERTZ	60	60	60	60
REMARKS	1,2,4,5	1,2,4,5	1,2,4,5	1,2,3,4,6	1,2,3,4,6

REMARKS

- SPEED CONTROLLER.
- BACKDRAFT DAMPER
- SPRING ISOLATORS (1" DEFLECTION).
- PRE-WIRED DISCONNECT SWITCH.
- ROOF CURB AND BIRDSCREEN.
- ROOF CAP AND BIRDSCREEN.
- ROOF CURB FOR SLOPED ROOF APPLICATION AND BIRDSCREEN.
- STRUCTURAL STEEL BASE FRAME WITH SPRING VIBRATOIN ISOLATORS (1" MIN. DEFLECTION).

DUCT INSULATION SCHEDULE

SYSTEM		SUPPLY AIR LOW PRESSURE	SUPPLY AIR LOW PRESSURE	SUPPLY AND RETURN AIR RTU PLENUMS	RETURN AIR	EXHAUST AIR	KITCHEN EXHAUST AIR
DUCT TYPE		ROUND	RECTANGULAR	RECTANGULAR	RECTANGULAR	RECTANGULAR	ROUND
INDOOR CONCEALED	THICKNESS	1"	1"	2"	1"	NONE	2 HOUR RATED
	TYPE	WRAP	LINER	LINER	LINER	LINER	WRAP
	MATERIAL	FIBERGLASS	FIBERGLASS	FIBERGLASS	FIBERGLASS	FIBERGLASS	FIRE RATED
	REMARKS				2	1	
INDOOR EXPOSED	SIZE/THICKNESS	1"	1"	2"	1"	NONE	2 HOUR RATED
	TYPE	DOUBLEWALL	LINER	LINER	LINER		WRAP
	MATERIAL	FIBERGLASS	FIBERGLASS	FIBERGLASS	FIBERGLASS		FIRE RATED
	REMARKS				2		
ABOVEGROUND OUTDOOR	SIZE/THICKNESS	--	2"	--	2"	NONE	
	TYPE	--	LINER	--	LINER		
	MATERIAL	--	FIBERGLASS	--	FIBERGLASS		
	REMARKS						

GENERAL NOTES

- REFER TO HVAC INSULATION AND METAL DUCT SPEC. AND PLANS FOR ADDITIONAL REQUIREMENTS.
- REFER TO DIVISION 09 FOR PAINTING REQUIREMENTS.
- EXPOSED FINISHED AREAS: AREAS EXPOSED TO VIEW INCLUDING ALL AREAS ABOVE ARCH CEILING CLOUDS AND ELEMENTS, OPEN TO STRUCTURE CEILING AREAS IN OCCUPIED SPACES
- EXPOSED AREAS: AREAS EXP. TO VIEW INCLUDING FINISHED OCCUPIED SPACES & MECH/ELECT RM.
- CONCEALED AREAS: AREAS COMPLETELY CONCEALED FROM VIEW(EXCEPT ABOVE ARCH. CEILING CLOUDS) AND PROTECTED FROM PHYSICAL CONTACT BY BUILDING OCCUPANTS.
- ITEMS NOT INSULATED UNLESS OTHERWISE INDICATED:
 - FIBROUS-GLASS DUCTS.
 - METAL DUCTS WITH LINER OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE/ASHRAE 90.1
 - FACTORY-INSULATED ITEMS: FLEXIBLE DUCT, PLENUMS, CASINGS, ACCESS PANELS, AND DOORS.
 - FLEXIBLE CONNECTORS AND VIBRATION-CONTROL DEVICES.

REMARKS

- WITHIN 10 FT OF EXTERIOR OPENINGS.
- PROVIDE 2" LINER/DOUBLEWALL FOR FIRST 40 FT. FROM RTU AFTER PLENUMS. AFTER 40 FT. FROM RTU PLENUMS, TRANSITION TO 1" LINER ON RECTANGULAR OR 1" WRAP ON ROUND DUCT.

HVAC PIPING INSULATION SCHEDULE

SYSTEM		UNIT CONDENSATE	REFRIGERANT SUCTION & HOT GAS
INDOOR	SIZE/THICKNESS	ALL / 1/2"	< 1" / 1/2" >= 1" / 1"
	TYPE	WRAP	WRAP
	MATERIAL	FIBERGLASS	CLOSED CELL
	FIELD-APPLIED	CONCEALED	NONE
	JACKET	EXPOSED	PVC
	REMARKS		
OUTDOOR	SIZE/THICKNESS	ALL / 1"	ALL / 2"
	TYPE	WRAP	WRAP
	MATERIAL	FIBERGLASS	CLOSED CELL
	FIELD-APPLIED	CONCEALED	ALUMINUM
	JACKET	EXPOSED	ALUMINUM
	REMARKS		

GENERAL

- REFER TO HVAC INSULATION SPECIFICATION AND PLANS FOR ADDITIONAL REQUIREMENTS.
- REFER TO DIVISION 09 FOR PAINTING REQUIREMENTS.
- WHERE FIELD-APPLIED JACKET IS NOT REQUIRED, PROVIDE ZESTON 2000 PVC (OR EQUAL) PREMOLDED COVERS AND JACKETING AT ALL ELBOWS, TEES, FLANGES, CAPS AND SIMILAR FITTINGS.
- USE BRUSH-APPLIED ULTRAVIOLET-PROTECTIVE COATING ON CLOSED-CELL INSULATION WHERE EXPOSED TO WEATHER.

REMARKS

SPLIT SYSTEM AIR-CONDITIONING UNIT SCHEDULE

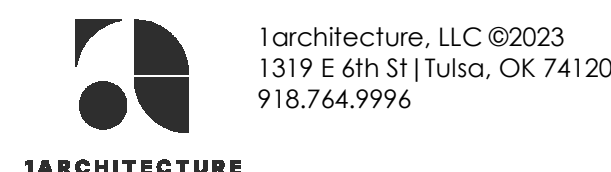
PLAN NO.	AC/CU-1	AC/CU-2A	AC/CU-2B	AC/CU-3	AC/CU-4	AC/CU-5A & 5B	AC/CU-6A, 6B, & 6C	
SERVICE	VESTIBULE	IDF/ELECTRICAL	IDF/ELECTRICAL	REWARDS STORAGE	ELECTRICAL 140	SURVEILLANCE	IT SERVER	
MANUFACTURER	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	
COOLING CAPACITY	TOTAL - BTUH	36,000	36,000	36,000	18,000	36,000	30,000	
	SEER AT ARI CONDITIONS	21.8	18.8	18.8	14.3	18.8	19.8	
HEATING CAPACITY	TOTAL - BTUH	38,000	--	--	19,000	--	--	
	HSPF AT ARI CONDITIONS	10.4	--	--	10	--	--	
INDOOR UNIT	PLAN NO.	AC-1	AC-2A	AC-2B	AC-3	AC-4	AC-5A & 5B	
	MODEL NO.	PLA-A36EA7	PKA-A36KA7	PKA-A36KA7	PEAD-A18AA7	PKA-A36KA7	PKA-A36KA7	
	AIR FLOW	1,200	920	920	600	920	920	
		HIGH - CFM	670	705	705	424	705	775
		LOW - CFM	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60
	VOLTS/PHASE/HERTZ	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	
	MCA	2.0	1.0	1.0	1.7	1.0	1.0	
OUTDOOR UNIT	PLAN NO.	CU-1	CU-2A	CU-2B	CU-3	CU-4	CU-5A & 5B	
	MODEL NO.	PUZ-A36NKA7	PUY-A36NKA7	PUY-A36NKA7	PUZ-A18NKA7	PUY-A36NKA7	PUY-A36NKA7	
	TYPE	HEAT PUMP	CONDENSING UNIT	CONDENSING UNIT	HEAT PUMP	CONDENSING UNIT	CONDENSING UNIT	
		CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	
		CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	
	VOLTS/PHASE/HERTZ	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	
	MCA	25	25	25	11	25	19	
REMARKS	1,2,4,5	1,2,3,4,5	1,2,3,4,5	1,2,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	

REMARKS

- WALL MOUNTED PROGRAMMABLE THERMOSTAT.
- INTEGRAL DISCONNECT SWITCH.
- LOW AMBIENT PRESSURE CONTROLLER AND WIND BAFFLE.
- PLATFORM STAND WITH MOUNTING ISOLATOR PAD.
- UNIT CONDENSATE PUMP.

MASS ARCHITECTS. BIG IDEAS.

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PH. 918.584.0102
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Renewal Date: 06.30.25



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.2024

DRAWN BY:

MBW

CHECKED BY:

GBS

SHEET TITLE:

HVAC SCHEDULES

M502

ROOF HOOD SCHEDULE

UNIT DESIGNATION	RH-1	RH-2	RH-3
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK
MODEL NO.	GRSR-12	GRSR-8	GRSR-8
SERVICE	SOFT COUNT EXHAUST	JANITOR EXHAUST	RESTROOM EXHAUST
AIRFLOW - CFM	370	150	150
MAX. STATIC PRESS.DROP - IN. WG.	0.05	0.05	0.05
THROAT SIZE - IN.	12	8	8
HOOD SIZE - IN.	22X22	20X20	20X20
FINISH	GALVANIZED	GALVANIZED	GALVANIZED
DAMPER	--	--	--
ROOF CURB HEIGHT - IN.	14	14	14
REMARKS	1	1	1
REMARKS			
1. BIRDSCREEN.			

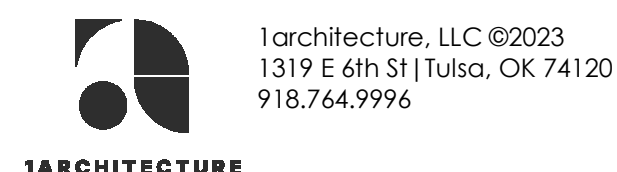
COMPUTER-ROOM AIR-CONDITIONING UNIT SCHEDULE

PLAN NO.	CRAC/CRCU-1	CRAC/CRCU-2		
MANUFACTURER	LIEBERT	LIEBERT		
EVAPORATOR MODEL NO.	PX023	PX029		
AIR COOLED CONDENSER MODEL NO.	MCM040E1	MCL055E1		
TYPE OF UNIT	AIR COOLED DX	AIR COOLED DX		
CONFIGURATION	FLR MTD, UPFLOW	FLR MTD, UPFLOW		
COOLING CAPACITY	TOTAL - MBH 75.4	101.0		
	SENSIBLE - MBH 64.1	89.2		
	AIRFLOW - CFM 3500	4300		
	ENTERING AIR TEMP (DB/WB) - DEG F 74.3/61.7	74.3/61.7		
	LEAVING AIR TEMP (DB/WB) - DEG F 57.2/54.1	57.2/54.1		
EVAPORATOR	NO. OF EVAPORATOR FANS 1	1		
	TYPE EC PLUG	EC PLUG		
	FAN MOTORS - HP 4.15	4.15		
	EXTERNAL STATIC PRESSURE - IN. WG. 0.2	0.2		
COMPRESSOR	TYPE DIGITAL SCROLL	DIGITAL SCROLL		
	CONTROL VARIABLE	VARIABLE		
	QUANTITY 1	1		
	REFRIGERANT TYPE R410A	R410A		
AIR COOLED CONDENSER	AMBIENT AIR TEMPERATURE - DEG F 105	105		
	NO. OF CONDENSER FAN MOTORS 1	1		
ELECTRIC REHEAT	CAPACITY - KW 13.9	13.9		
	TYPE INFRARED	INFRARED		
HUMIDIFIER	TOTAL CAPACITY - LB/H 7.7	7.7		
	INPUT - KW 4.8	4.8		
FILTER	TYPE PLEATED	PLEATED		
	DEPTH - INCH 2	2		
	MERV RATING 8	8		
ELECTRICAL	VOLTS 460	460		
	PHASE 3	3		
	HERTZ 60	60		
	EVAPORATOR - FLA 32.5	36		
	AIR COOLED CONDENSER - FLA 1.4	2.8		
EVAPORATOR WEIGHT - LBS	670	700		
AIR COOLED CONDENSING UNIT WEIGHT - LBS	240	295		
REMARKS	1-10	1-10		

- REMARKS:
- HIGH TEMPERATURE SENSOR.
 - CONDENSATE PUMP, DUAL FLOAT.
 - ICOM MICROPROCESSOR CONTROL (UNIT MOUNTED)
 - INTERGRAL LOCKING DISCONNECT SWITCH.
 - LIQUI-TECT SENSORS.
 - BACNET CARD.
 - LOW AMBIENT COOLING TO -30F.
 - 18" TOP SUPPLY PLENUM WITH DISCHARGE GRILLES, FRONT RETURN.
 - SMOKE SENSOR.
 - 24" FLOOR STAND.

MASS ARCHITECTS. BIG IDEAS.

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KIOWA CASINO**

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KIOWA CASINO

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ISSUE 01: RE-BID CONSTRUCTION SET

DATE:
01.17.2024

DRAWN BY:
WVN

CHECKED BY:
GBS

SHEET TITLE:
PLUMBING NOTES, SYMBOLS AND ABBREVIATIONS

PLUMBING NOTES,
SYMBOLS AND
ABBREVIATIONS

P001

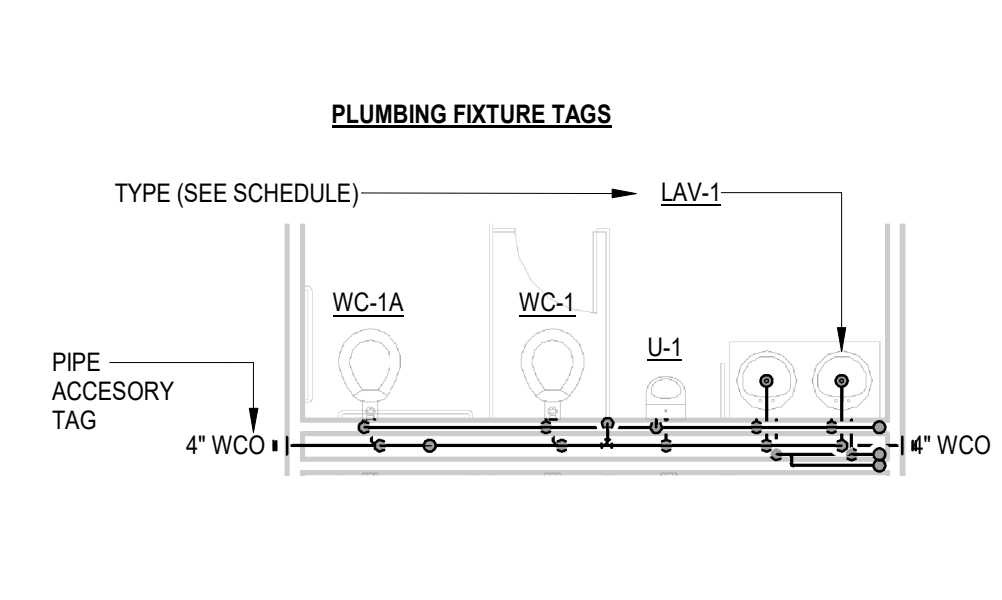
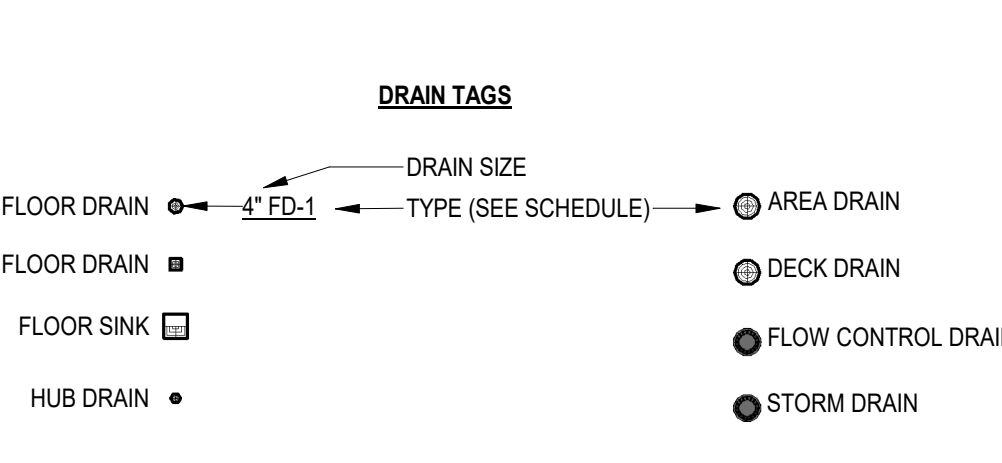
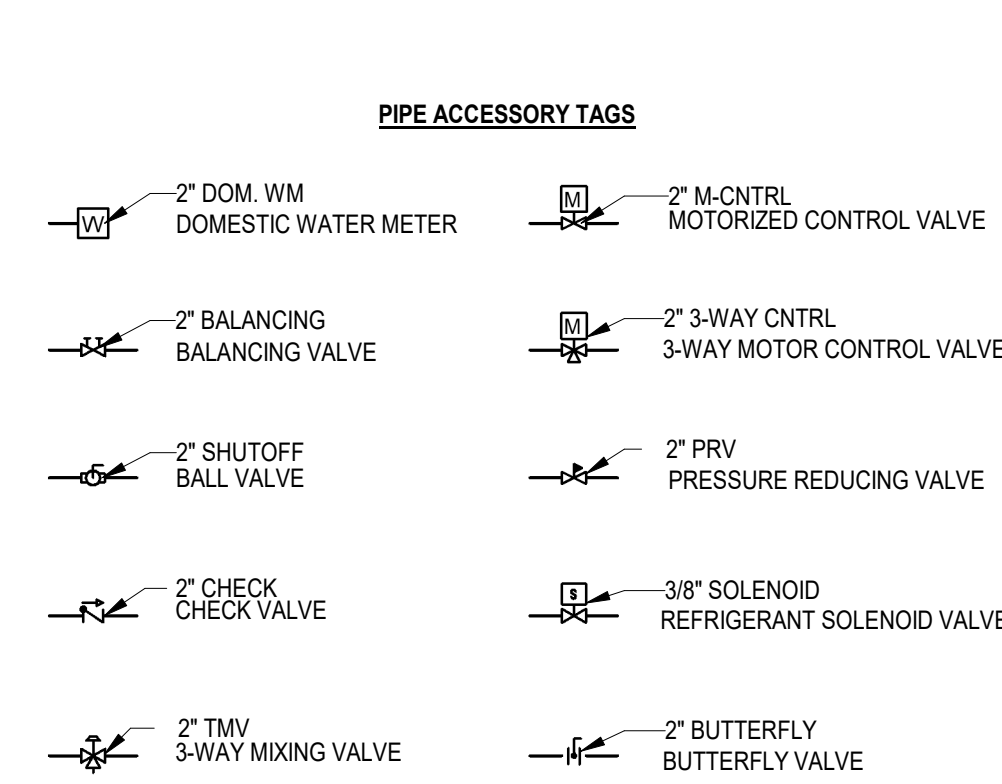
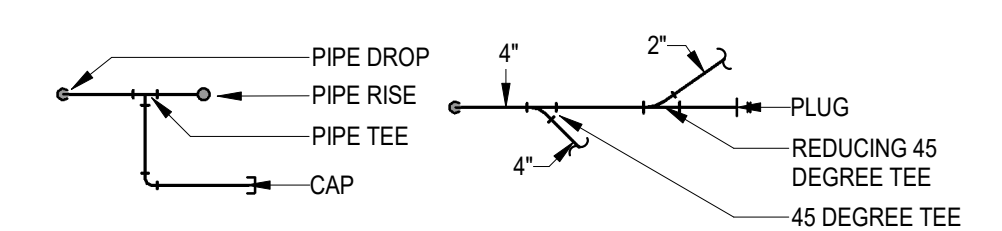
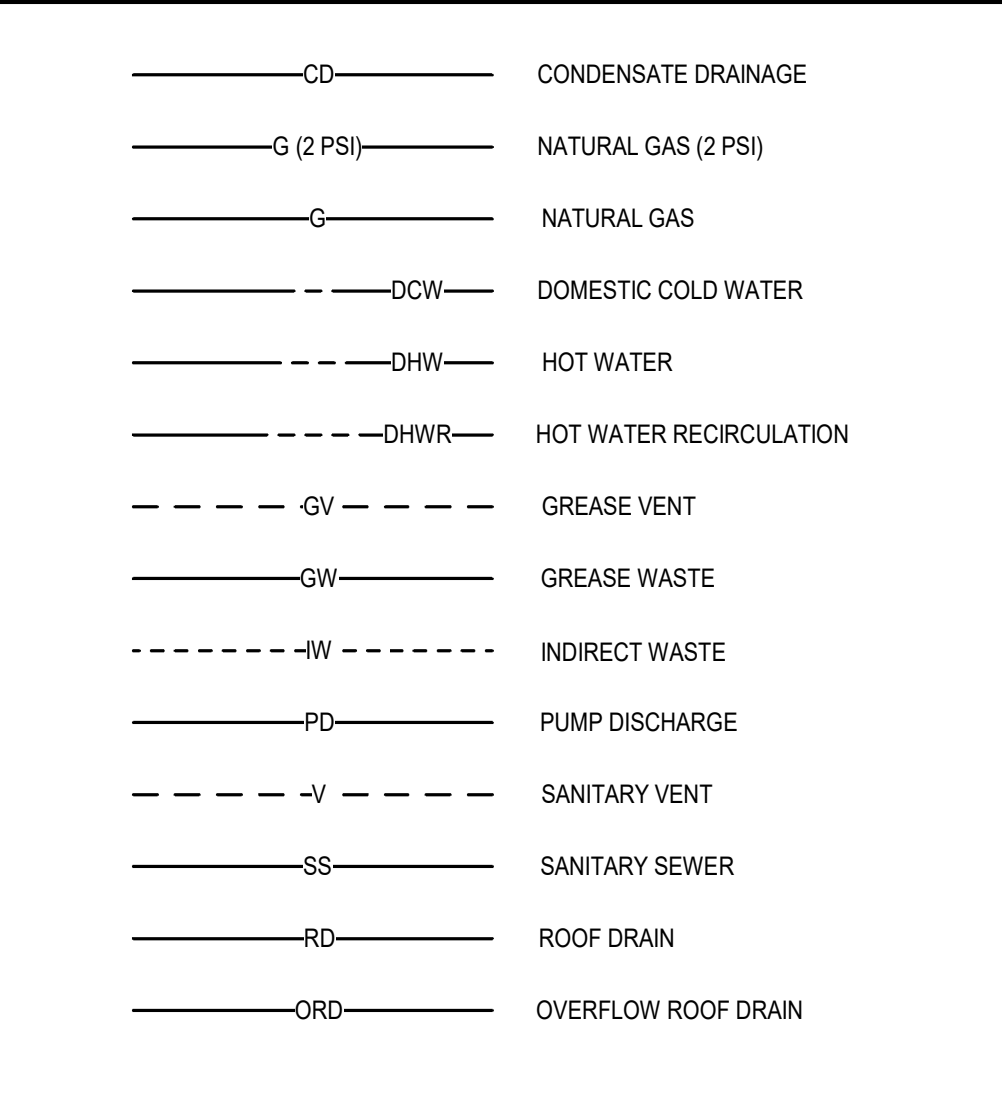
GENERAL NOTES:

- COMPLY WITH CURRENT BUILDING, MECHANICAL, PLUMBING AND OTHER GOVERNING CODES, STATE STATUTES, CITY ORDINANCES, AND REGULATIONS OF REGULATORY BODIES HAVING JURISDICTION.
- INSTALL ALL PIPING AND FITTINGS IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES WHICH WILL ACHIEVE PERMANENTLY-LEAKPROOF PIPING SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE WITHOUT FAILURE OR DEGRADATION OF SERVICE.
- ALL MATERIALS EXPOSED IN RETURN AIR PLENUM TO COMPLY WITH NFPA 90A FLAME SPREAD UNDER 25, SMOKE DEVELOPED AND FUEL CONTRIBUTED UNDER 50 FOR RETURN AIR PLENUMS.

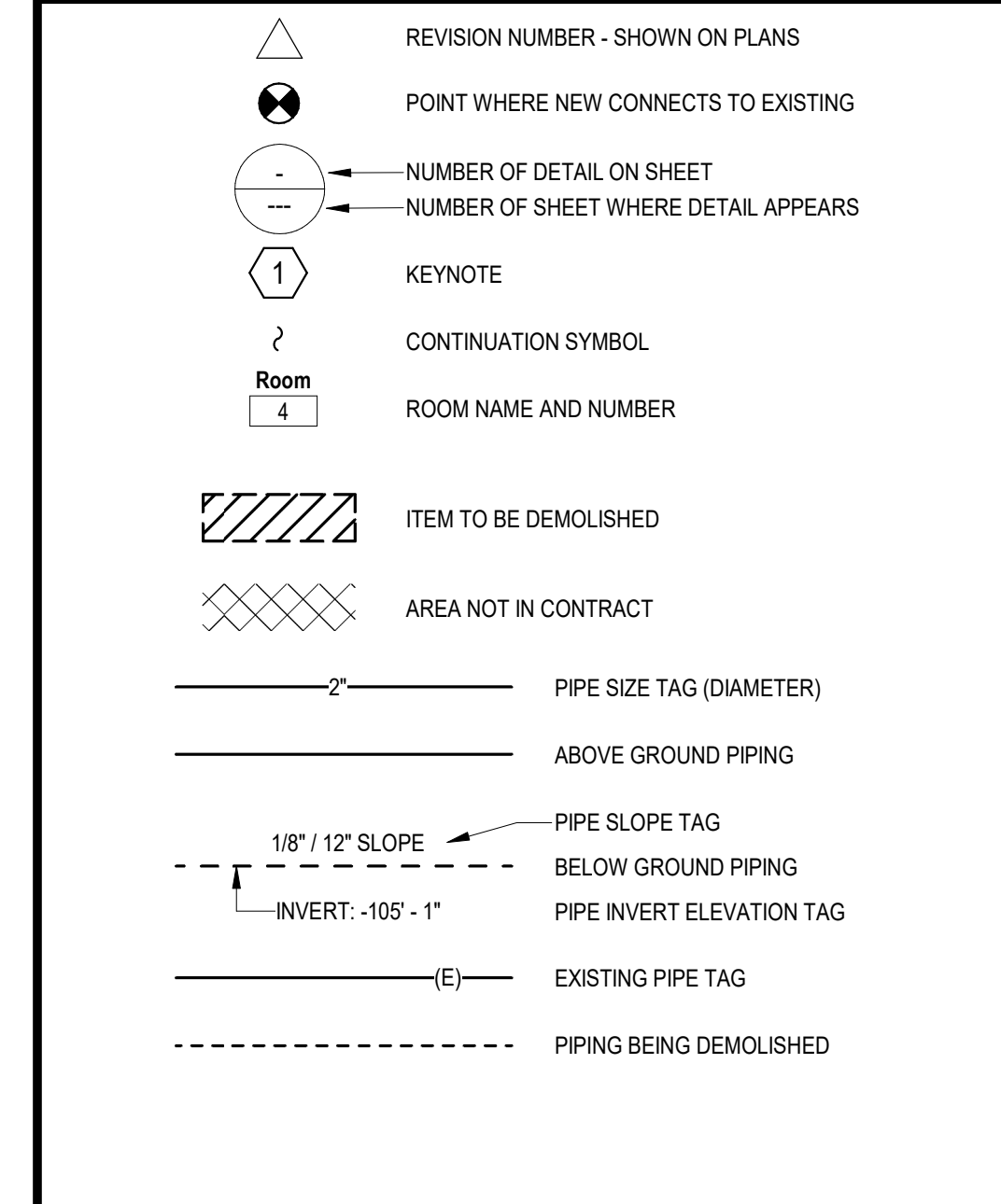
PLUMBING GENERAL NOTES:

- ALL WORK SHALL MEET OR EXCEED APPLICABLE CODES AND BASE BUILDING SPECIFICATIONS. REFER TO SPECIFICATIONS.
- LOCATE AND INSTALL ALL PLUMBING FIXTURES AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. INSTALL WATER HAMMER ARRESTOR AT PLUMBING FIXTURES.
- INSTALL WATER HAMMER ARRESTORS AT FIXTURE GROUPS PER MANUFACTURER'S RECOMMENDATIONS.
- COORDINATE ALL PIPE ROUTING WITH MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL TRADES PRIOR TO INSTALLATION.
- REFER TO APPROPRIATE PLUMBING DETAILS FOR MOUNTING, SUPPORTING AND GROUPING OF PIPE RUNS AT VARIOUS LOCATIONS.
- COORDINATE FLOOR SLAB AND FOUNDATION WALL PENETRATIONS WITH STRUCTURAL ENGINEER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION OF FLOOR SLABS AND GRADE BEAMS.
- INSTALL WALL CLEANOUT AT BASE OF ALL SANITARY SEWER AND ROOF DRAIN RISERS AS REQUIRED BY CODE. IF NOT ALREADY SHOWN ON DRAWINGS, COORDINATE LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR.
- INSTALL CLEANOUTS FOR ALL SANITARY SEWER, AND ROOF DRAIN PIPING AS REQUIRED BY CODE. IF NOT ALREADY SHOWN ON DRAWINGS, COORDINATE LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR.
- INSTALL TEST TEES FOR ALL SANITARY SEWER DRAIN PIPING AS REQUIRED BY CODE. IF NOT ALREADY SHOWN ON DRAWINGS, COORDINATE LOCATION WITH AUTHORITY HAVING JURISDICTION.
- CLEANOUTS SIZES SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY SERVE UP TO 4 INCHES. FOR PIPES LARGER THAN 4 INCHES NOMINAL SIZE, THE MINIMUM SIZE OF THE CLEANOUT SHALL BE 4", UNLESS NOTED OTHERWISE.
- COORDINATE ACCESS DOOR REQUIREMENTS AND LOCATIONS WITH ARCHITECT AND GENERAL CONTRACTOR.
- INSTALL EXPANSION JOINTS (WHETHER INDICATED ON PLANS OR NOT) IN PLUMBING/FIRE PROTECTION SYSTEMS (I.E. PIPING, DUCTS, CONDUITS, ETC.) AT BUILDING EXPANSION JOINTS. EXPANSION JOINTS SHALL PROVIDE MOVEMENT (COMPRESSION AND EXTENSION) EQUAL TO OR GREATER THAN THE BUILDING EXPANSION JOINT (REFER TO ARCHITECTURAL/STRUCTURAL).
- ALL FIRE STOPPING BY GENERAL CONTRACTOR. COORDINATE ALL LOCATIONS REQUIRED.
- ALL EXPOSED PIPING SHALL BE PAINTED TO MATCH THE CEILING OR UNDERSIDE OF SLAB.

PLUMBING/PIPING SYMBOLS:



SYMBOLS:



ABBREVIATIONS:

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	MIA	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	R/LA	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
INCH	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS:

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

PLUMBING SHEET INDEX

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P502	PLUMBING SCHEDULES

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.



DRAWN FOR:
**KIOWA TRIBE
KIOWA CASINO**

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

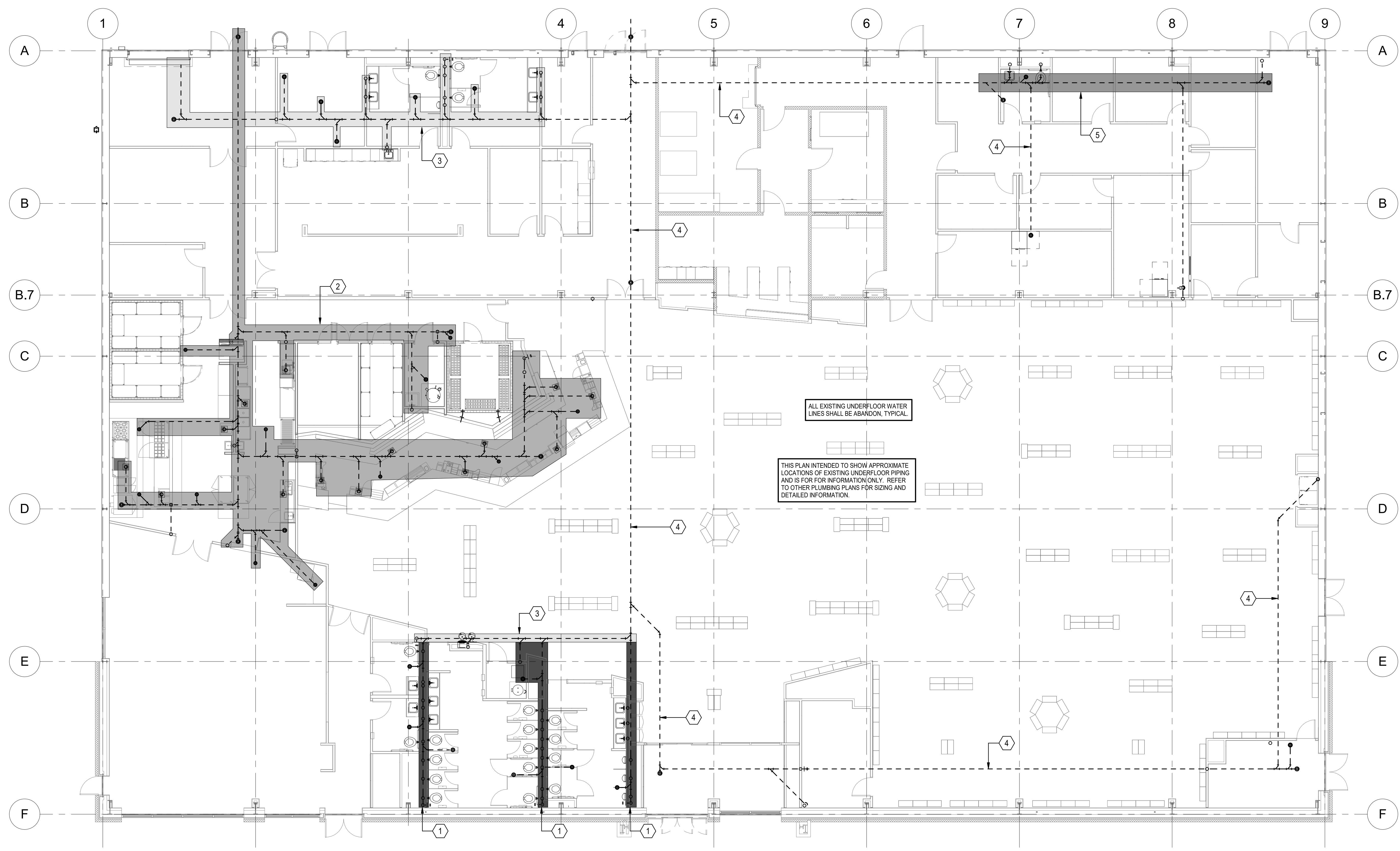
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Author
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Checker
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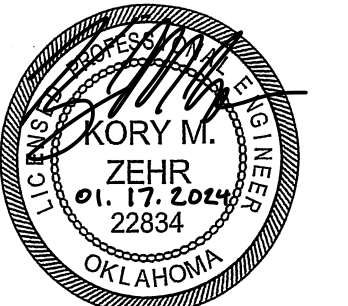
**UNDERFLOOR
PLUMBING PLAN -
EXISTING INFORMATION**

P101A

- NUMBERED NOTES**
- EXISTING SANITARY SEWER PIPING IS INSTALLED AND TO BE REUSED.
 - EXISTING PVC GREASE WASTE PIPING TO BE REMOVED AND REPLACED WITH CAST IRON. SAWCUT FLOOR AS REQUIRED.
 - EXISTING SANITARY SEWER PIPING IS INSTALLED BUT ROUTED TO FLOW OPPOSITE DIRECTION OF WHAT IS SHOWN ON PLANS. REMOVE EXISTING MAIN. INSTALL NEW MAIN SLOPING SOUTH TO NORTH AS SHOWN. RECONNECT TO EXISTING BRANCES. SAWCUT FLOOR AS REQUIRED.
 - PIPING NOT HIGHLIGHTED HAS NOT BEEN INSTALLED. SAWCUT FLOOR AS REQUIRED TO INSTALL AS SHOWN.
 - EXISTING SANITARY SEWER PIPING INSTALLED BUT DOES NOT CONTINUE SOUTH TO BUILDING MAIN AS SHOWN. EXTEND PIPING TO MAIN. SAWCUT FLOOR AS REQUIRED.



1 UNDERFLOOR PLUMBING PLAN - EXISTING INFORMATION
1/8" = 1'-0"



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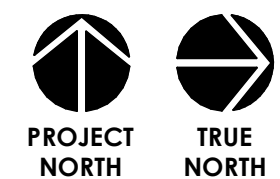
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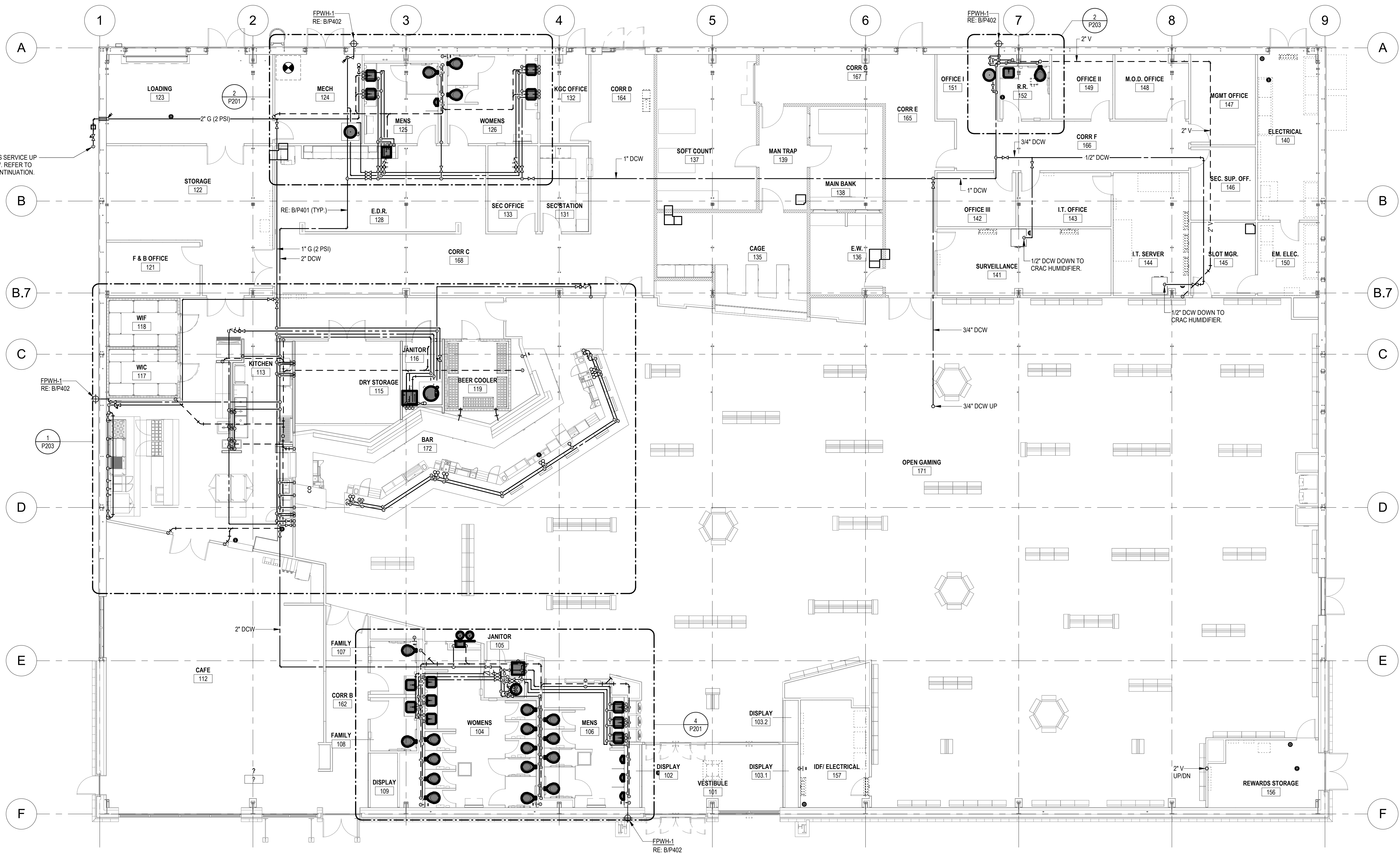
SHEET TITLE:

**LEVEL 1 PLUMBING
PLAN**

P102



PROJECT NORTH TRUE NORTH



NATURAL GAS SERVICE UP FROM BELOW. REFER TO CIVIL FOR CONTINUATION.

1 LEVEL 1 PLUMBING PLAN
1/8" = 1'-0"



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KIOWA CASINO**

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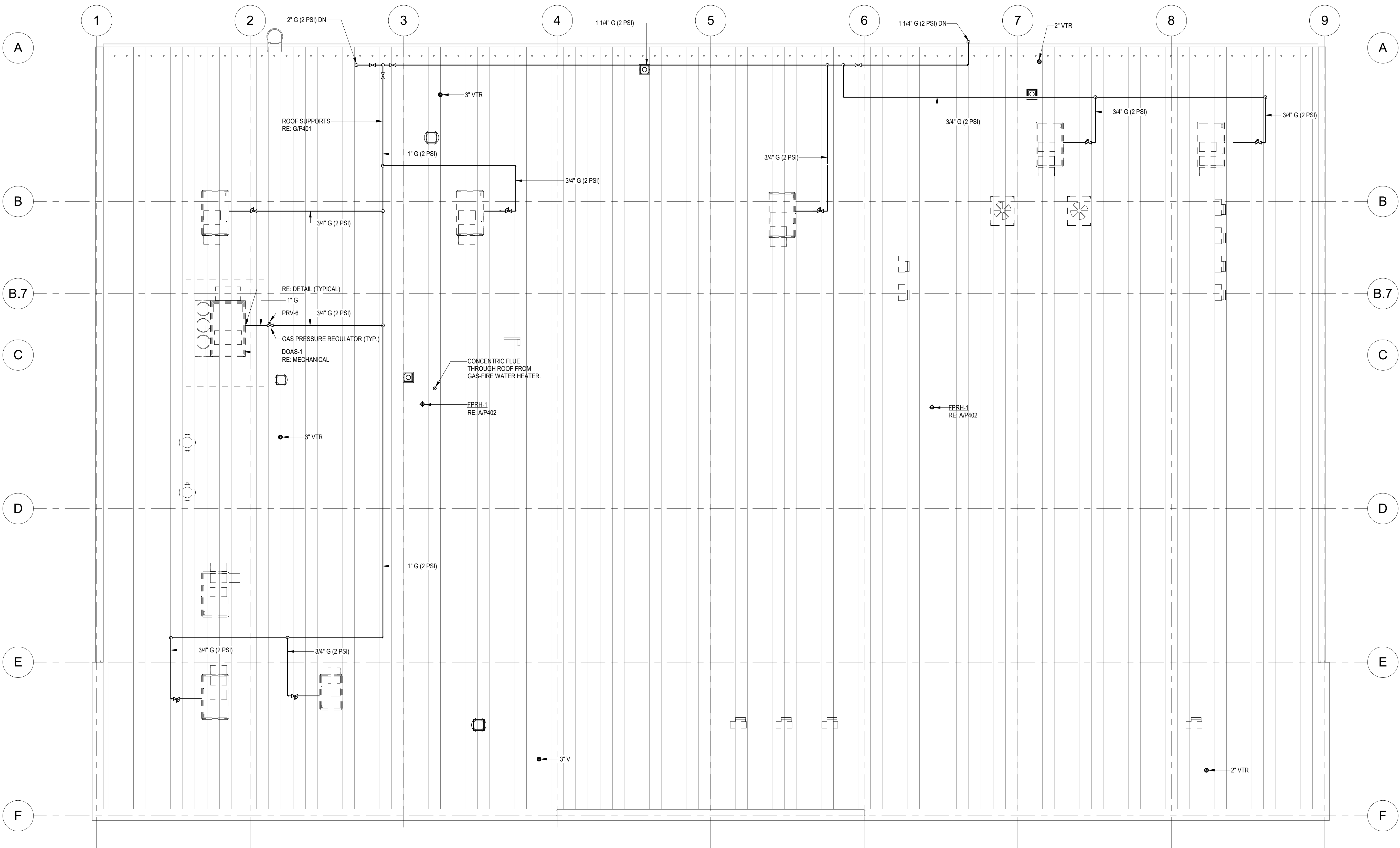
DATE:
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DRAWN BY:
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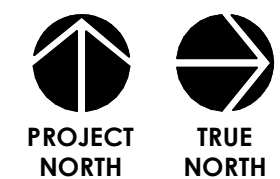
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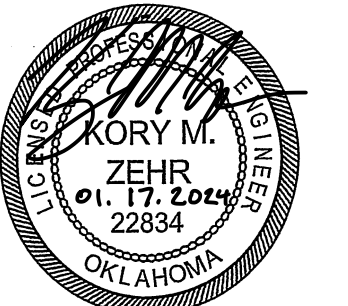
ROOF PLUMBING PLAN



1 ROOF PLUMBING PLAN
1/8" = 1'-0"



P103



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

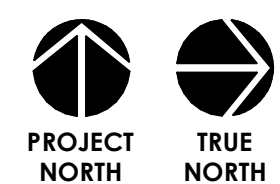
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ENLARGED PLUMBING PLANS

P201



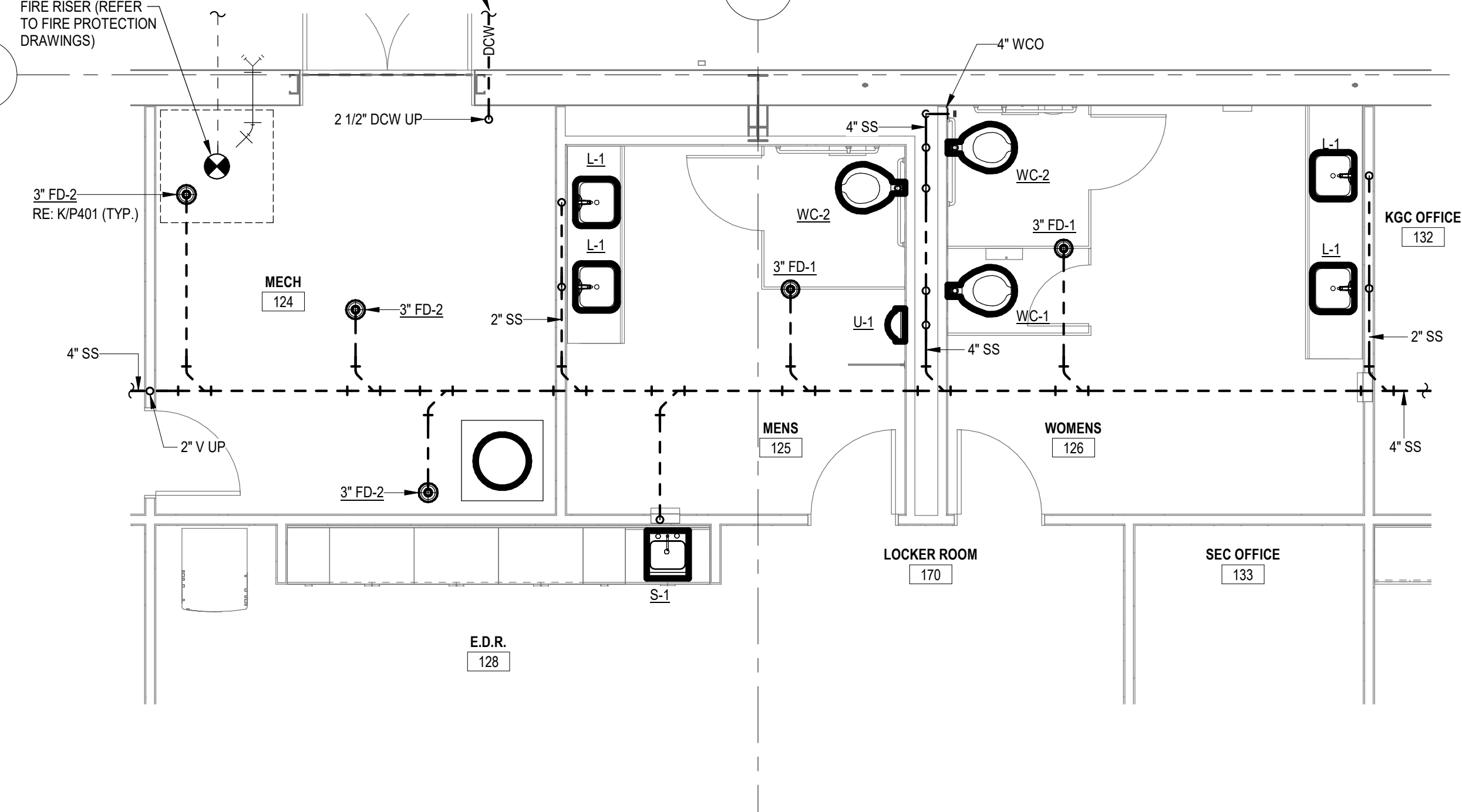
NUMBERED NOTES

1 CHECK VALVE AND BALANCE VALVE (MANUAL VENTURI BALANCE VALVE, BALANCE TO 0.5 GPM).

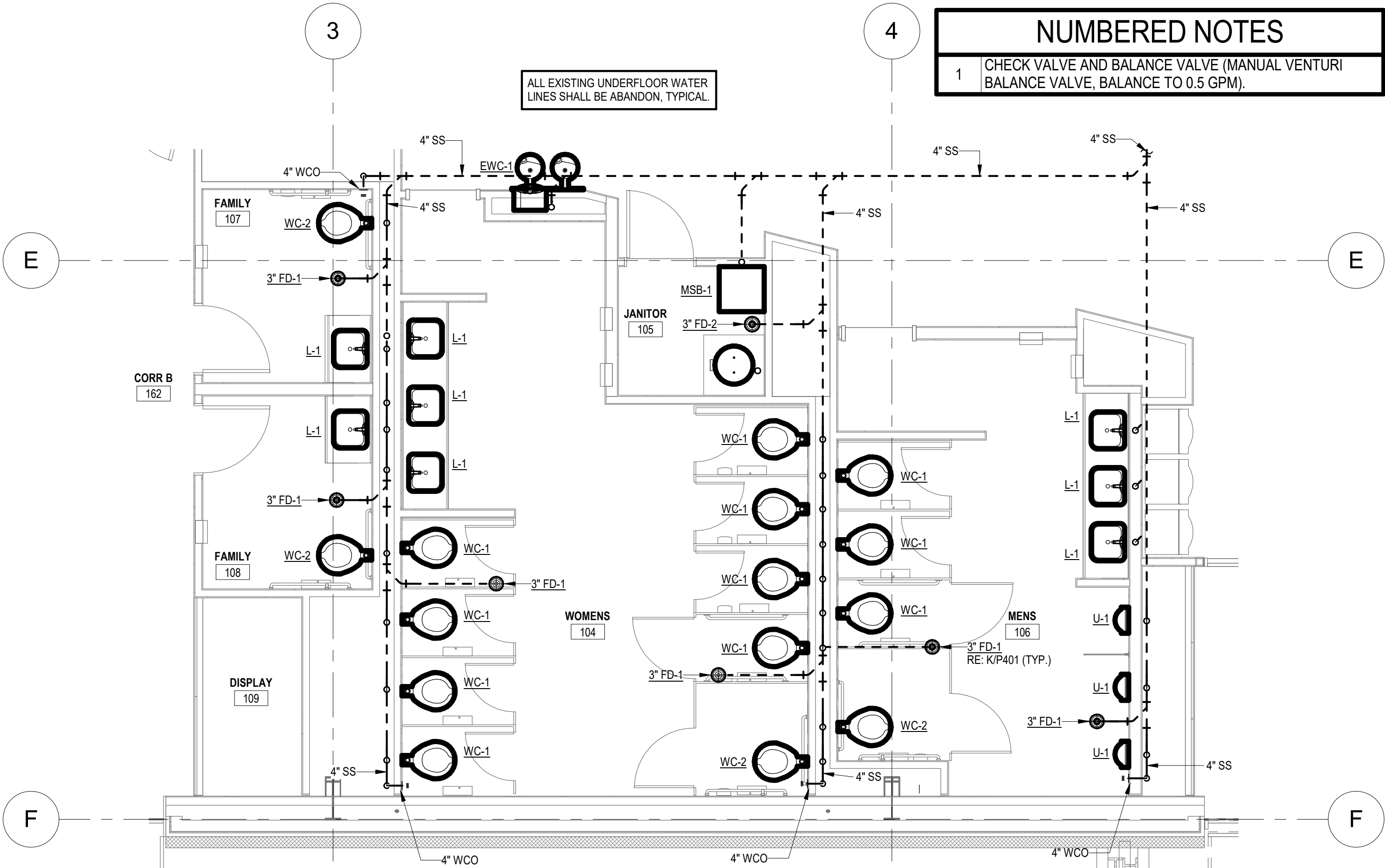
ALL EXISTING UNDERFLOOR WATER LINES SHALL BE ABANDON, TYPICAL.

ALL EXISTING UNDERFLOOR WATER LINES SHALL BE ABANDON, TYPICAL.

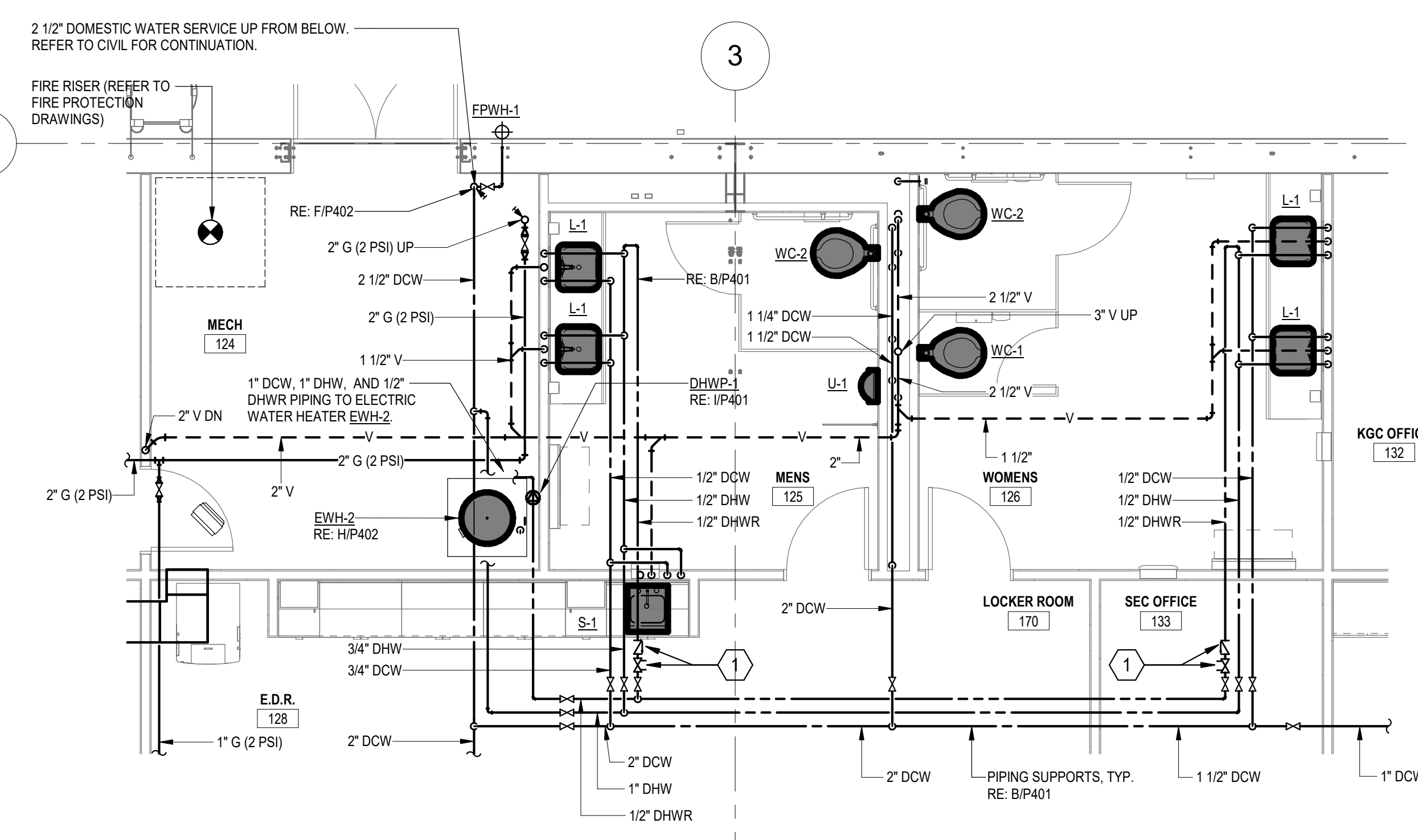
DOMESTIC WATER SERVICE UP FROM BELOW. REFER TO CIVIL FOR CONTINUATION.



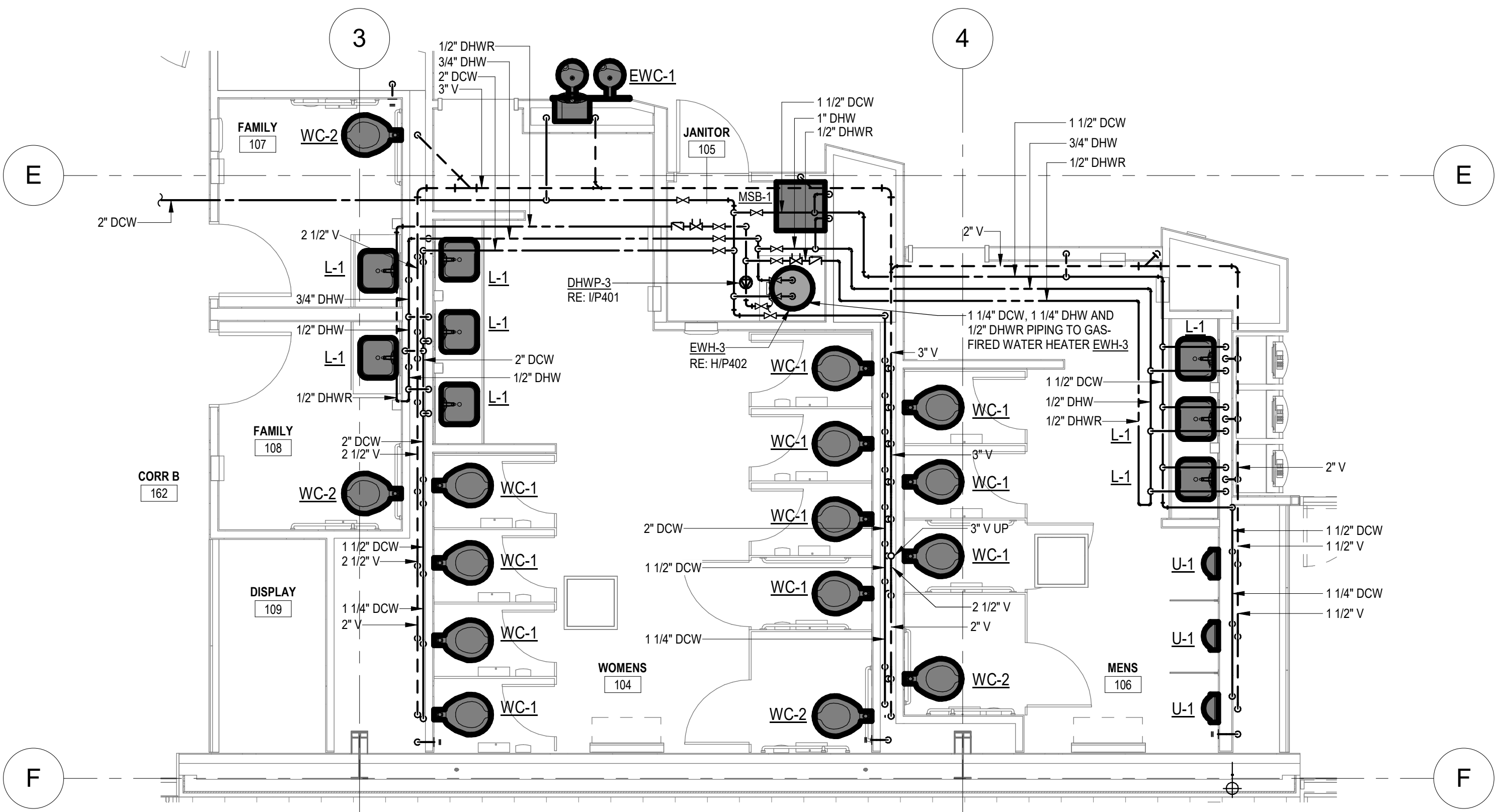
1 ENLARGED RESTROOM UNDERFLOOR PLUMBING PLAN
1/4" = 1'-0"



3 ENLARGED RESTROOM UNDERFLOOR PLUMBING PLAN
1/4" = 1'-0"



2 ENLARGED RESTROOM ABOVE FLOOR PLUMBING PLAN
1/4" = 1'-0"



4 ENLARGED RESTROOM ABOVE FLOOR PLUMBING PLAN
1/4" = 1'-0"

Autodesk Docs/Kiowa Casino/221119 R22 MEP Central.rvt



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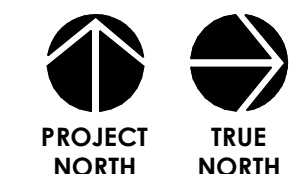
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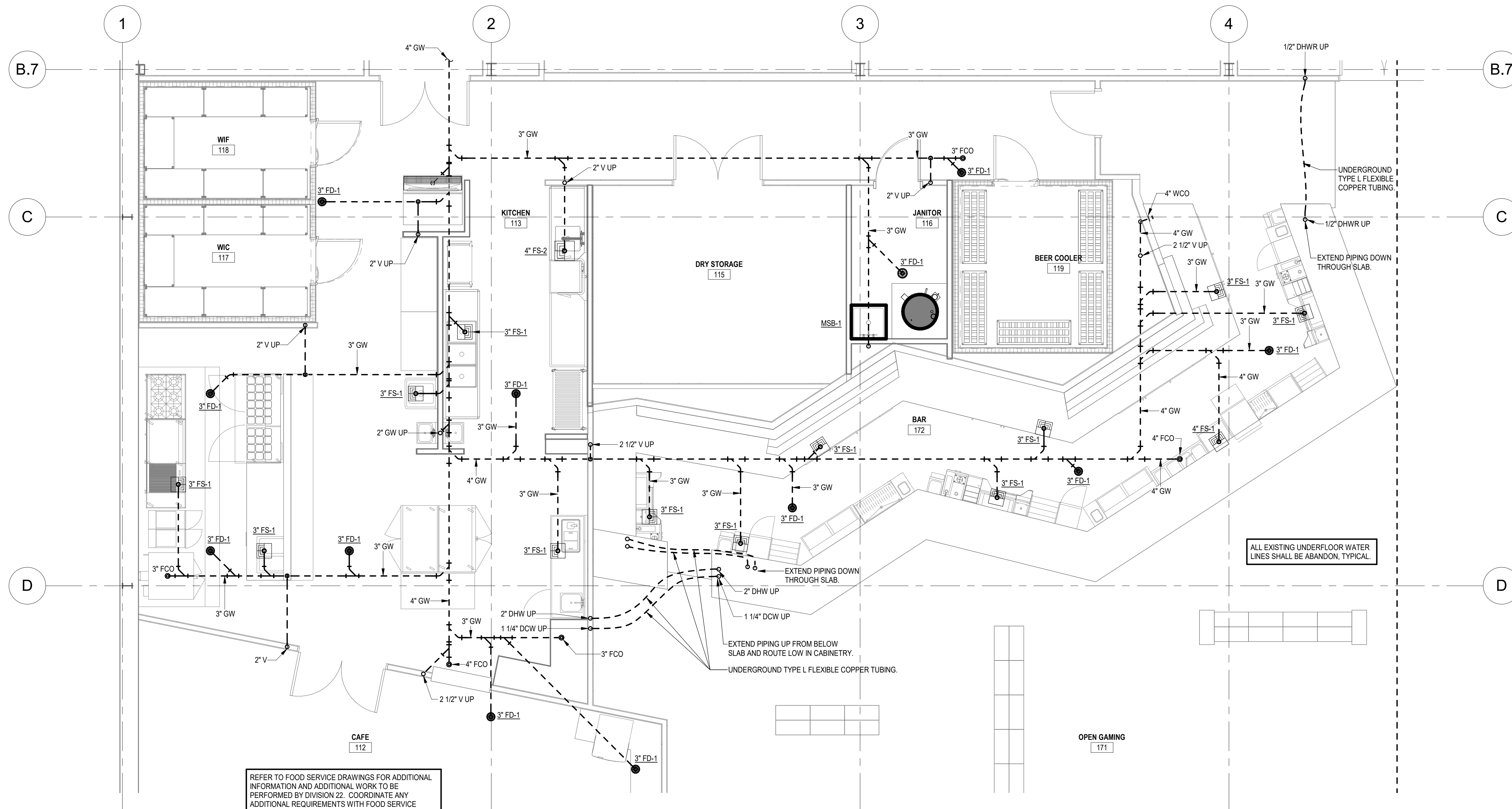
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SHEET TITLE:

ENLARGED PLUMBING
PLANS

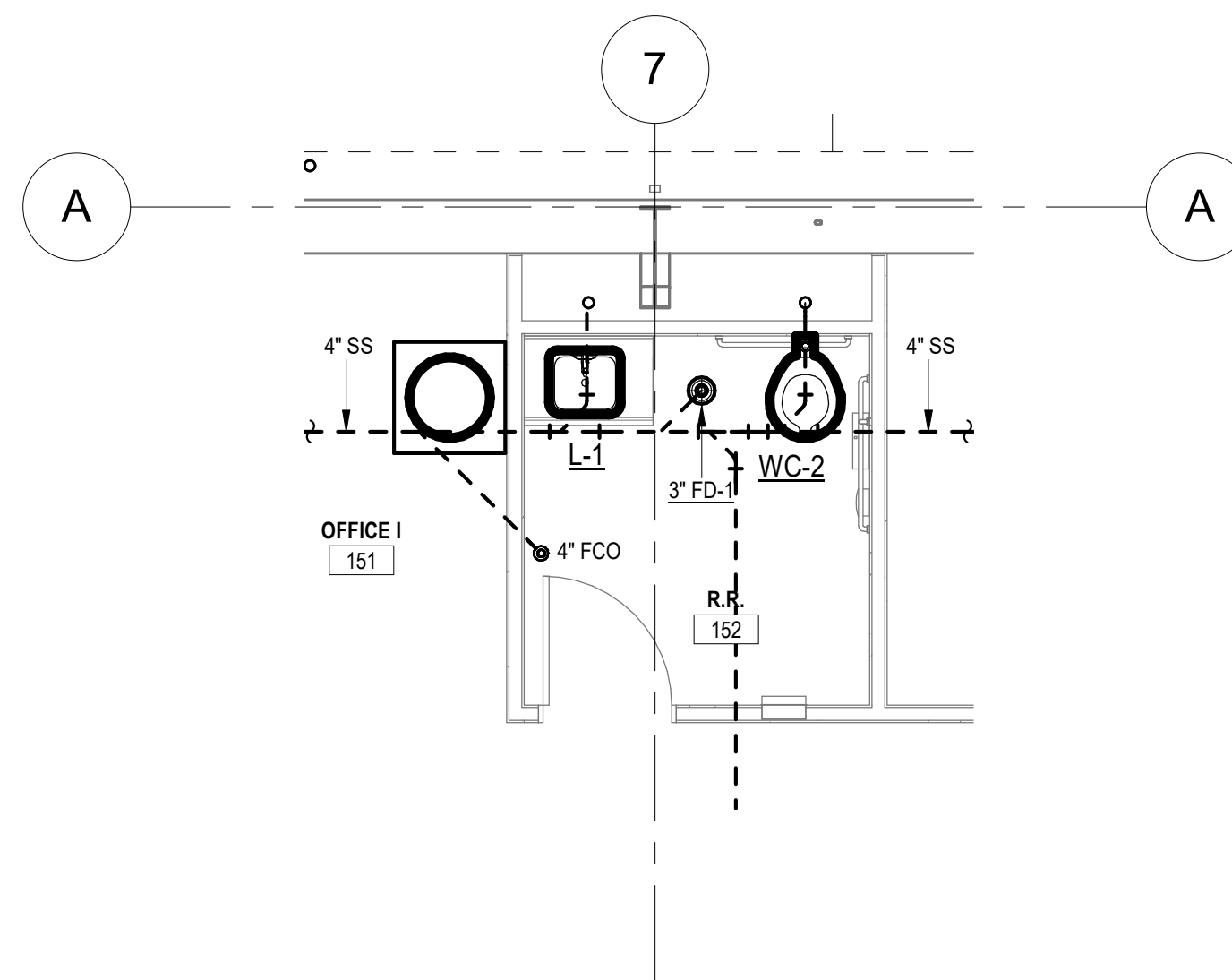


P202

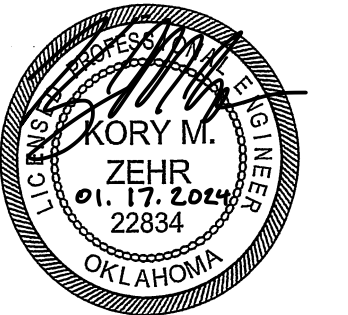


REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION AND ADDITIONAL WORK TO BE PERFORMED BY DIVISION 22. COORDINATE ANY ADDITIONAL REQUIREMENTS WITH FOOD SERVICE CONTRACTOR.

1 ENLARGED KITCHEN/BAR UNDERFLOOR PLUMBING PLAN
1/4" = 1'-0"



2 ENLARGED RESTROOM UNDERFLOOR PLUMBING PLAN
1/4" = 1'-0"



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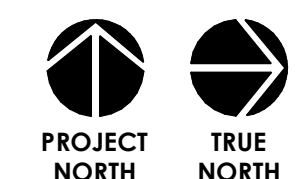
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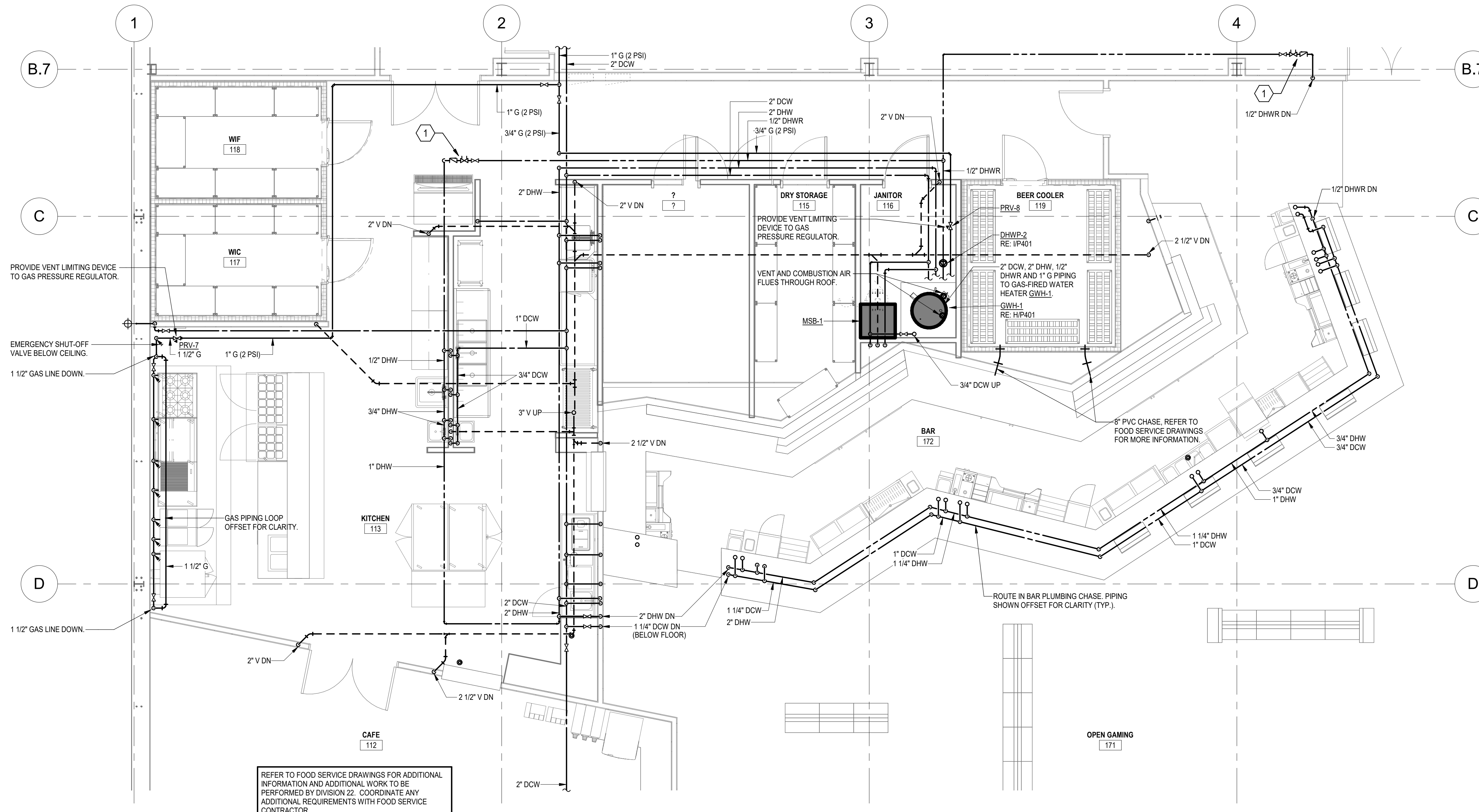
**ENLARGED PLUMBING
PLANS**

P203

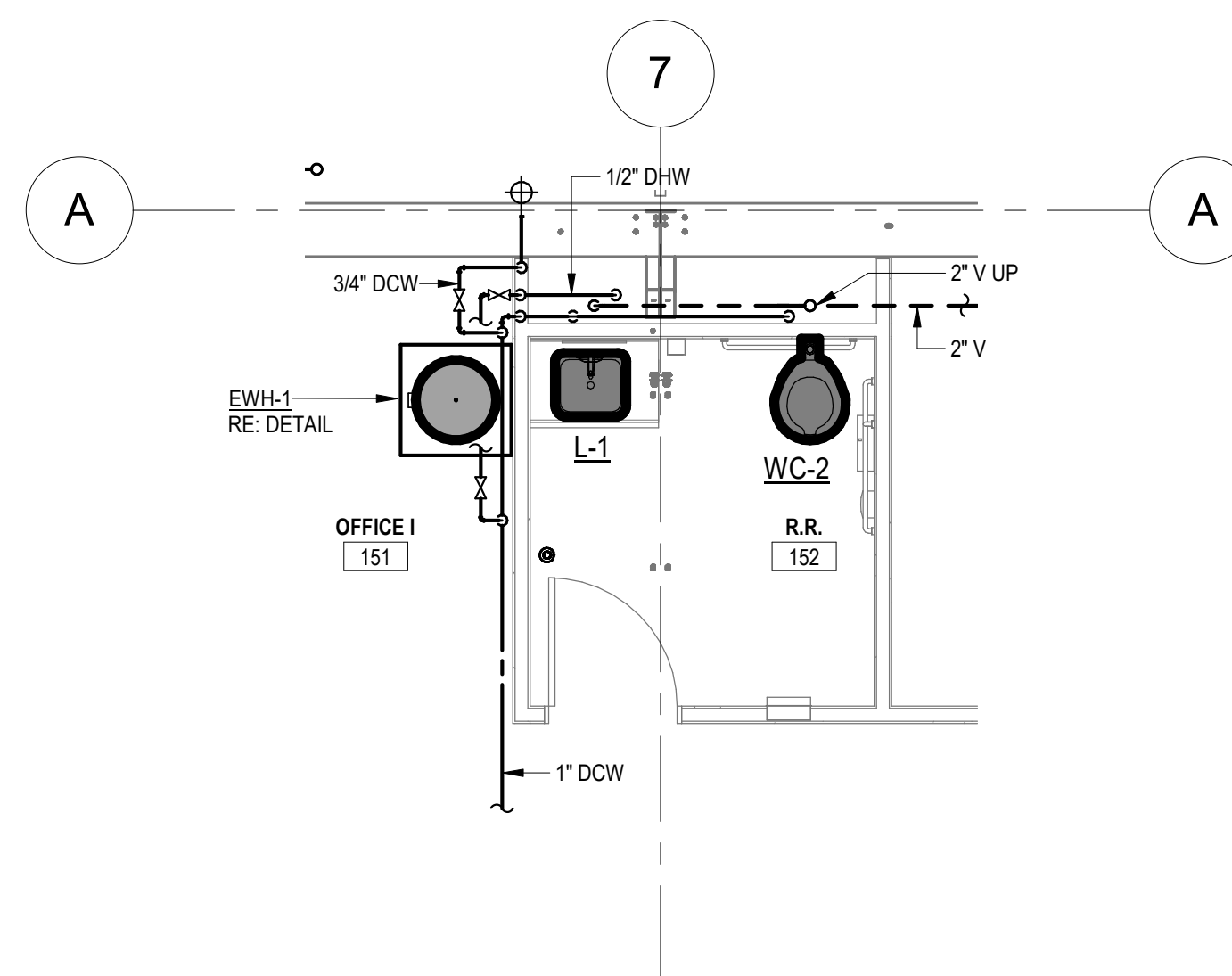


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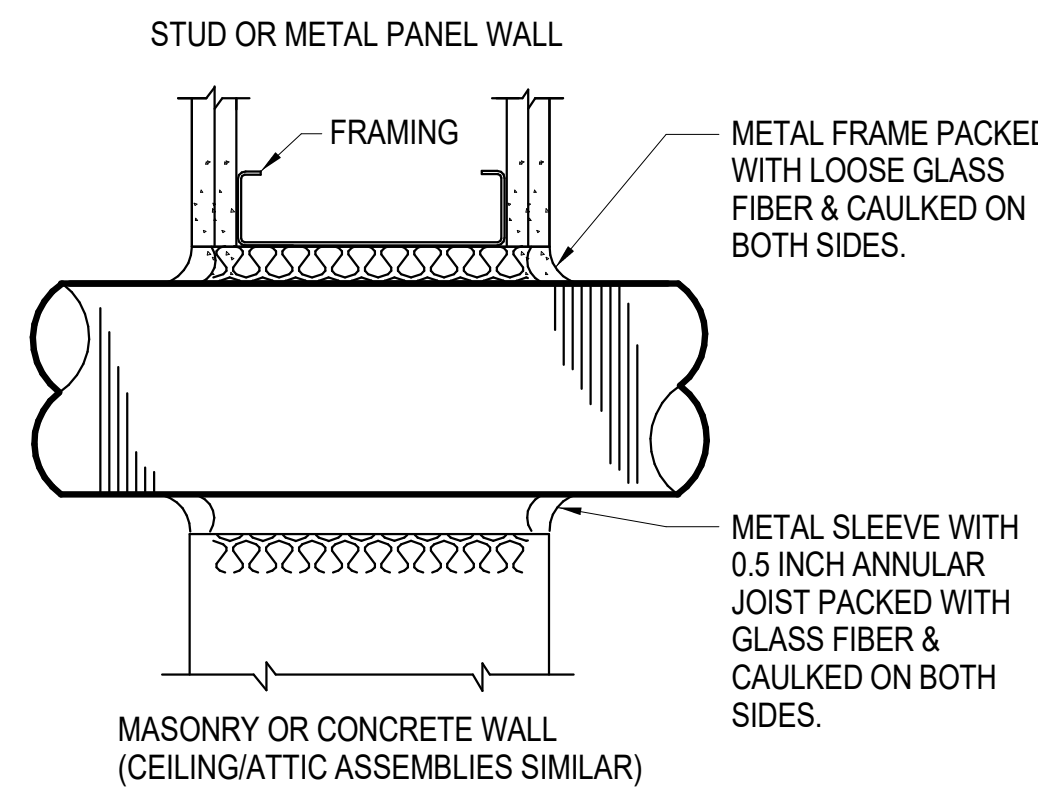


1 ENLARGED KITCHEN/BAR ABOVE FLOOR PLUMBING PLAN
1/4" = 1'-0"



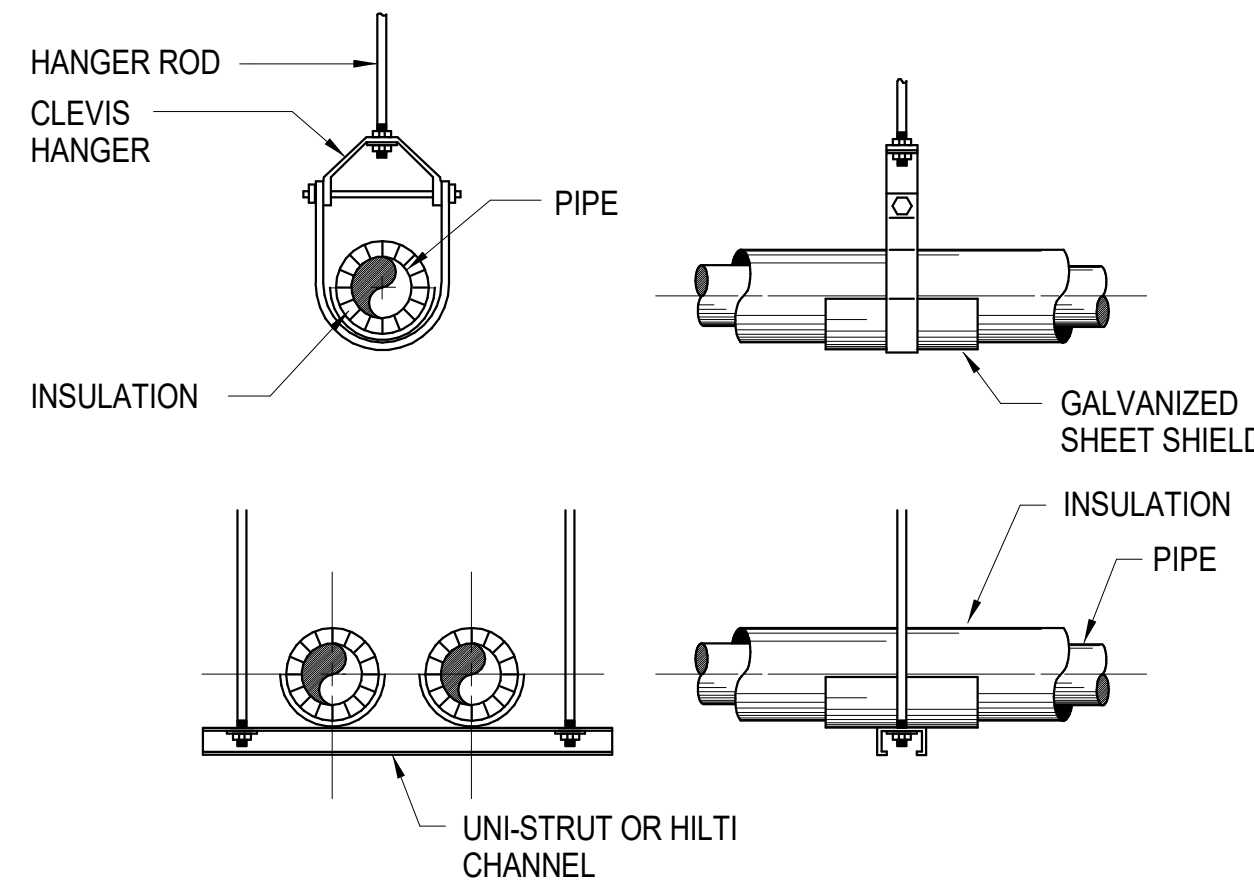
2 ENLARGED RESTROOM ABOVE FLOOR PLUMBING PLAN
1/4" = 1'-0"

NOTE: TYPICAL AT PENETRATION THROUGH PARTITION WALLS, EQUIPMENT ROOM WALLS, FLOOR ASSEMBLIES, CEILING/ ATTIC ASSEMBLIES, ETC. PROVIDE ESCUTCHEONS OR ANGLED CLOSURE STRIPS WHERE PENETRATIONS ARE EXPOSED TO VIEW. REFER TO SPECIFICATIONS FOR ESCUTCHEON TYPE AND FIRE RATED FIBER AND CAULK REQUIREMENTS.



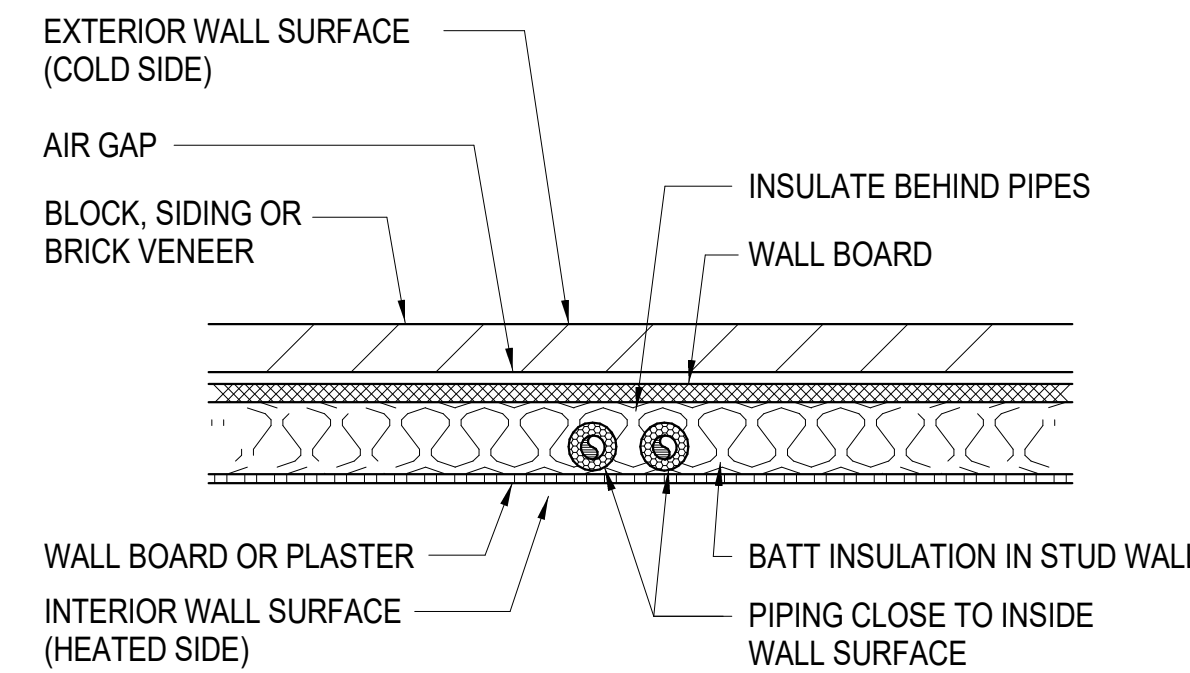
A TYP. DUCT, CONDUIT AND PIPE WALL, FLOOR, AND CEILING/ATTIC ASSEMBLY PENETRATIONS
SCALE: NONE

NOTE: PROVIDE (PIPE SADDLE AT EACH HANGER POINT) (A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER POINT. INSULATION MAY BE HALF ROUND OR FULL ROUND AND EXTENDING 2" BEYOND GALVANIZED SHIELD EACH WAY).

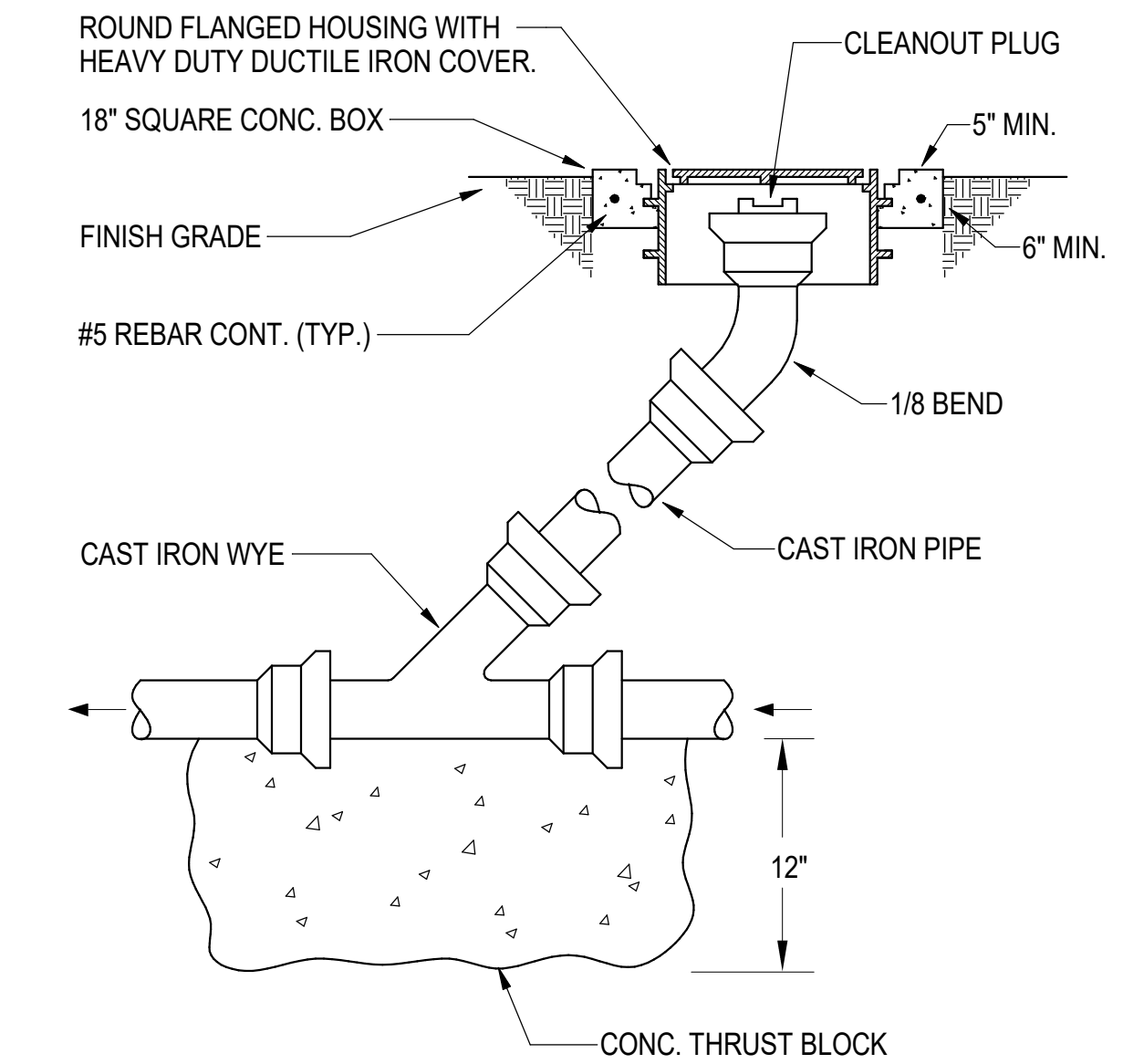


B HANGERS FOR WATER PIPING DETAIL
SCALE: NONE

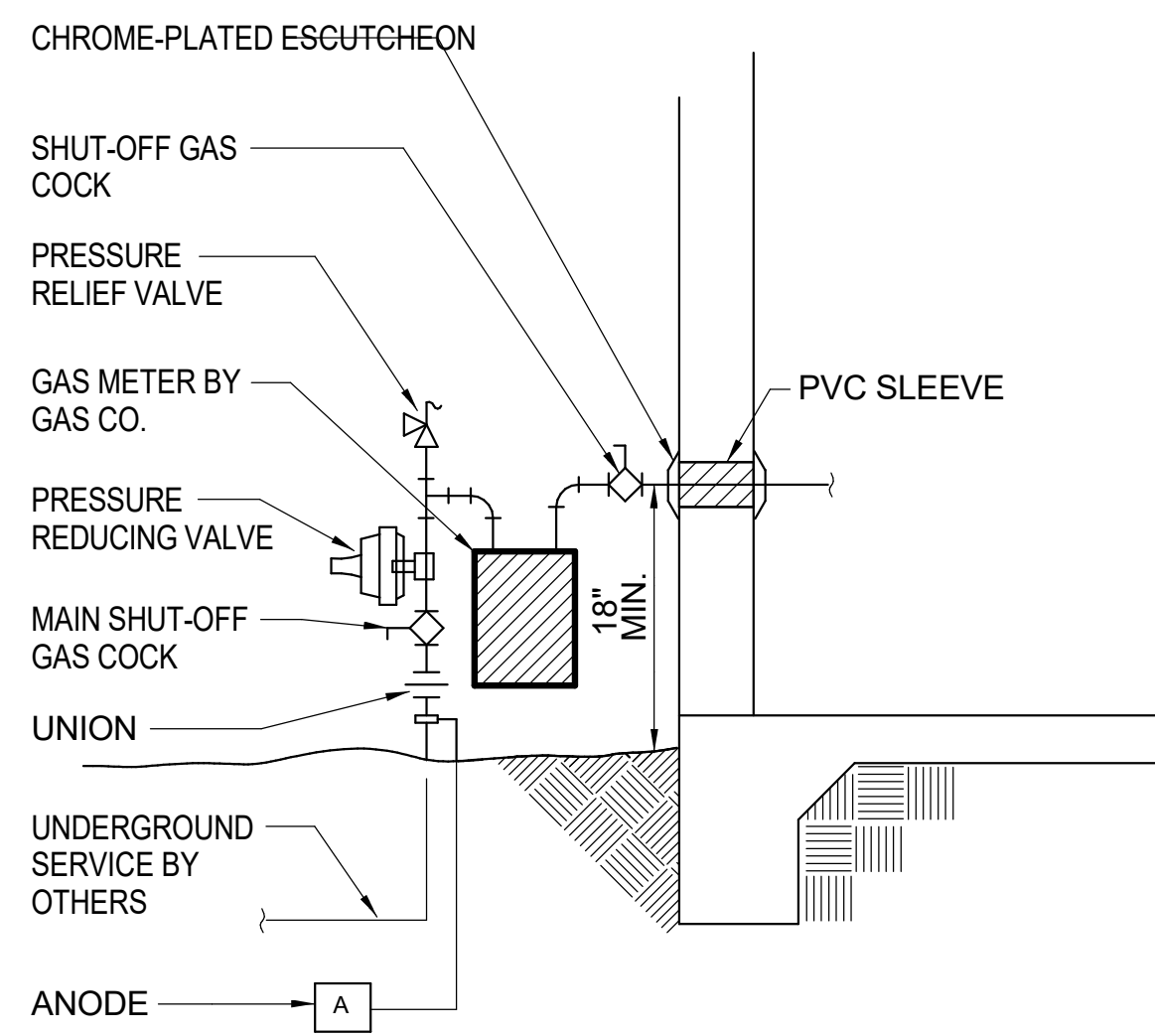
NOTE: WALL ASSEMBLY CONFIGURATION MAY VARY REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL CONFIGURATION AND INSTALL PIPING IN MANNER TO PREVENT FREEZING.



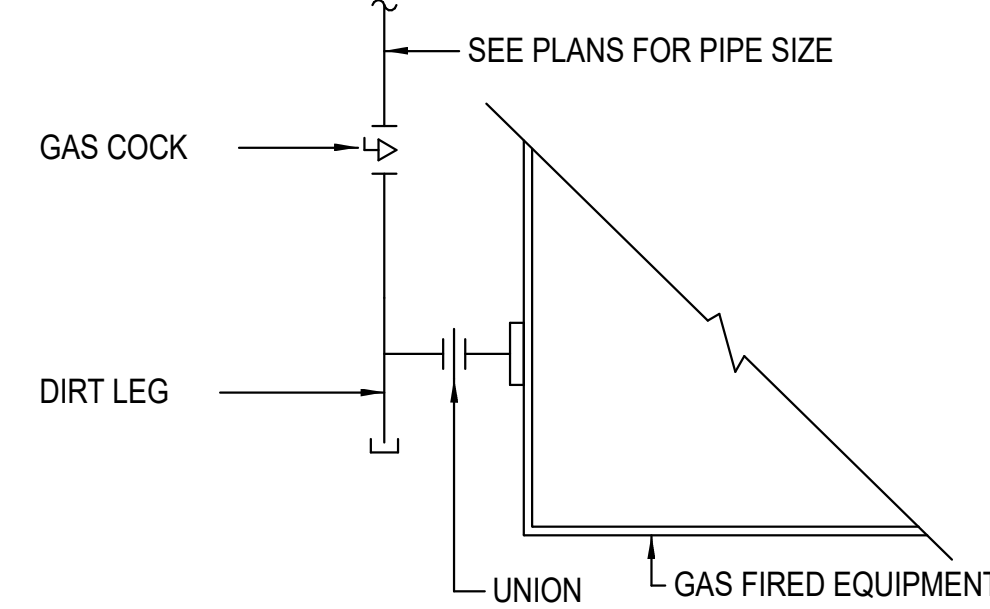
C PIPE IN OUTSIDE WALL DETAIL
SCALE: NONE



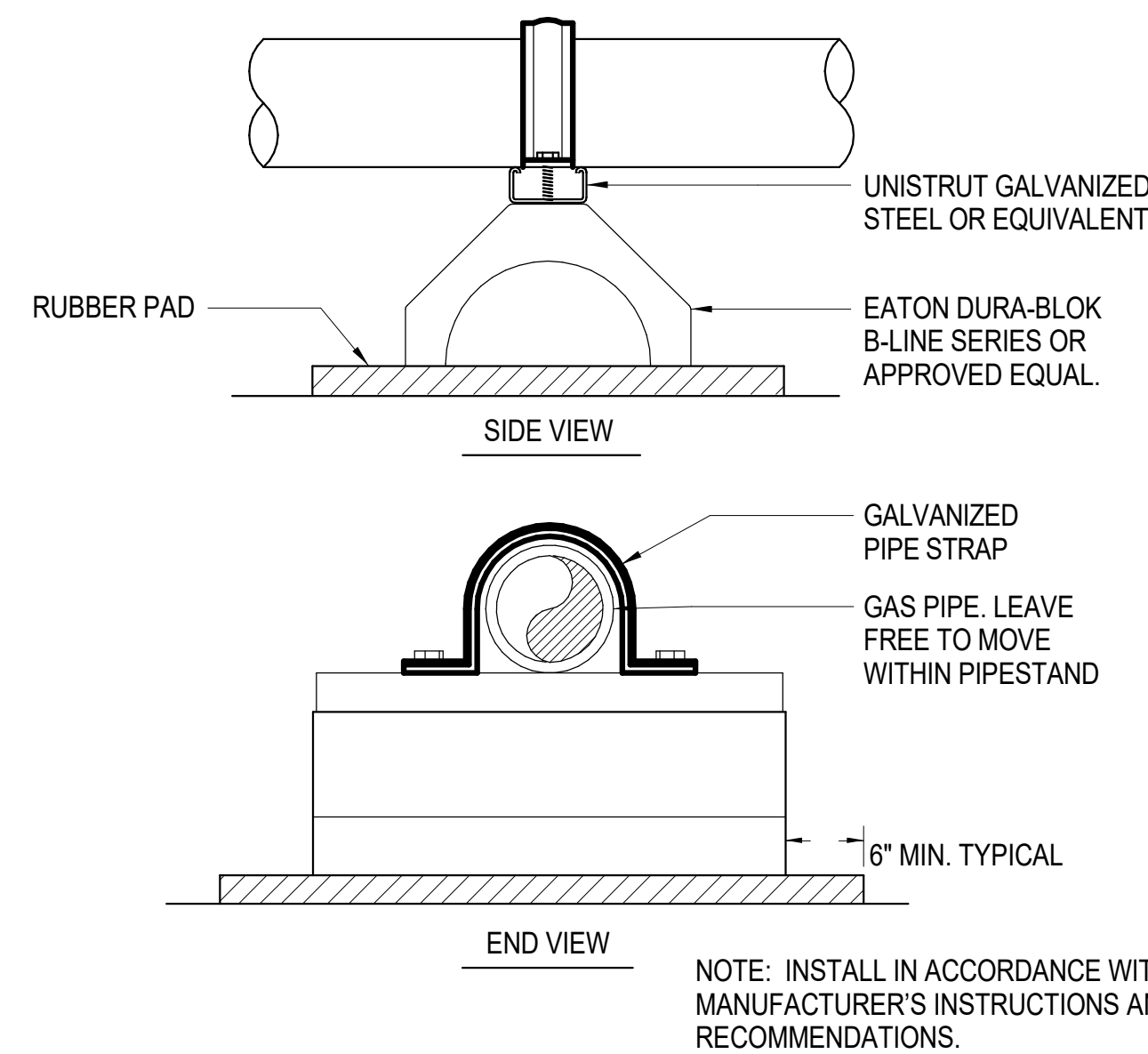
D FINISH GRADE CLEANOUT
SCALE: NONE



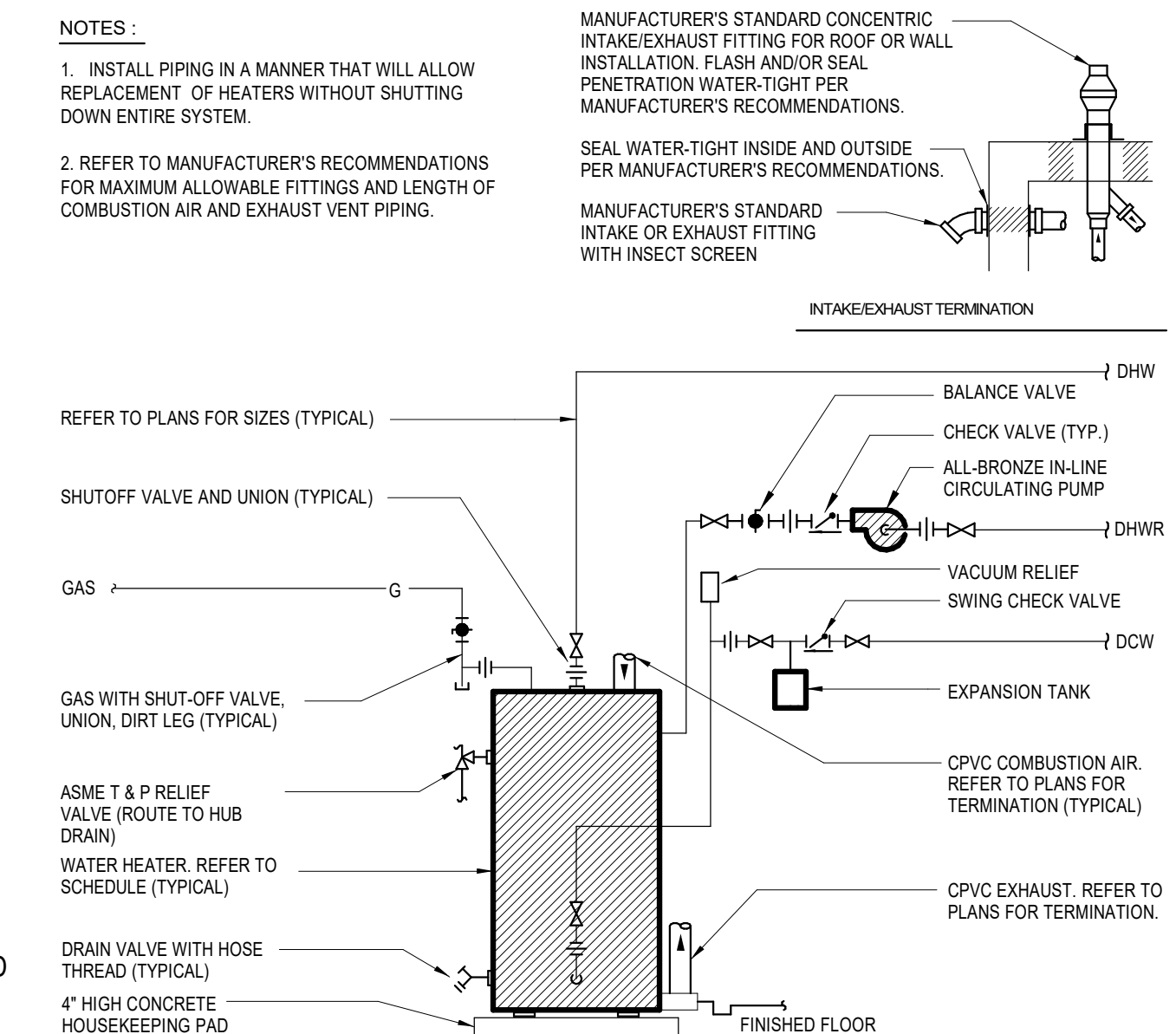
E GAS RISER PIPING SCHEMATIC (WITH METER)
SCALE: NONE



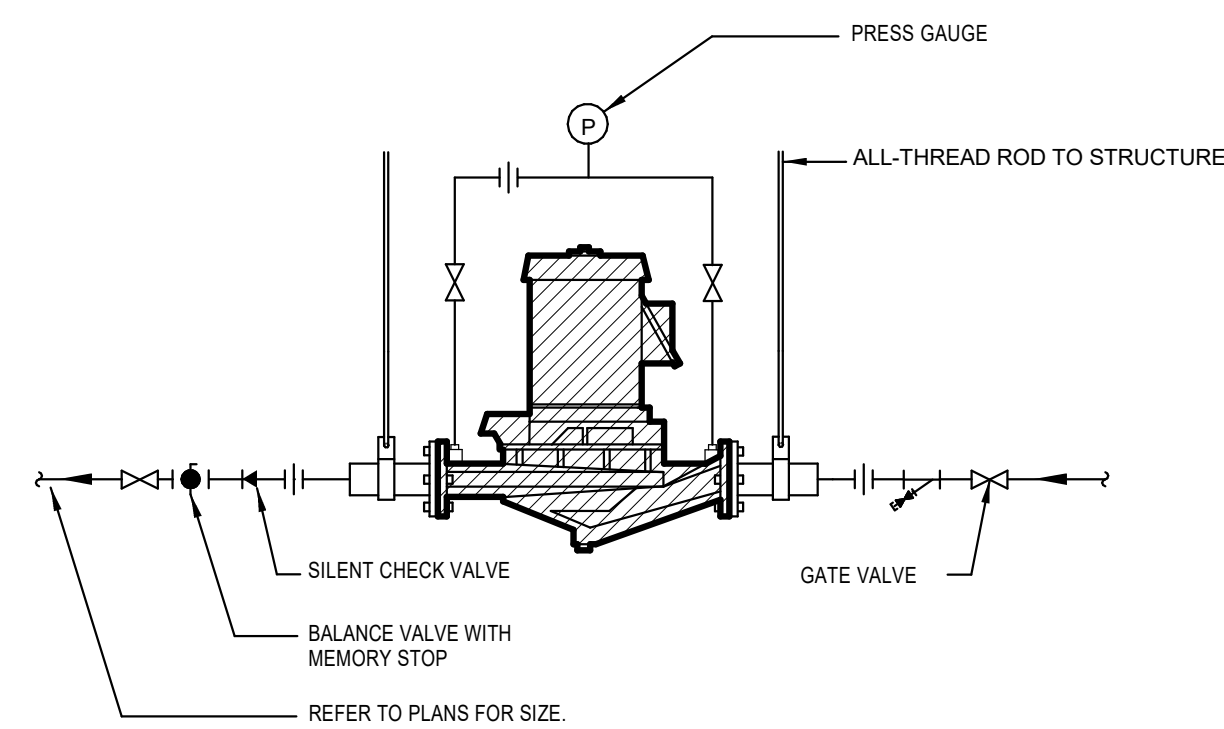
F TYPICAL NATURAL GAS CONNECTION
SCALE: NONE



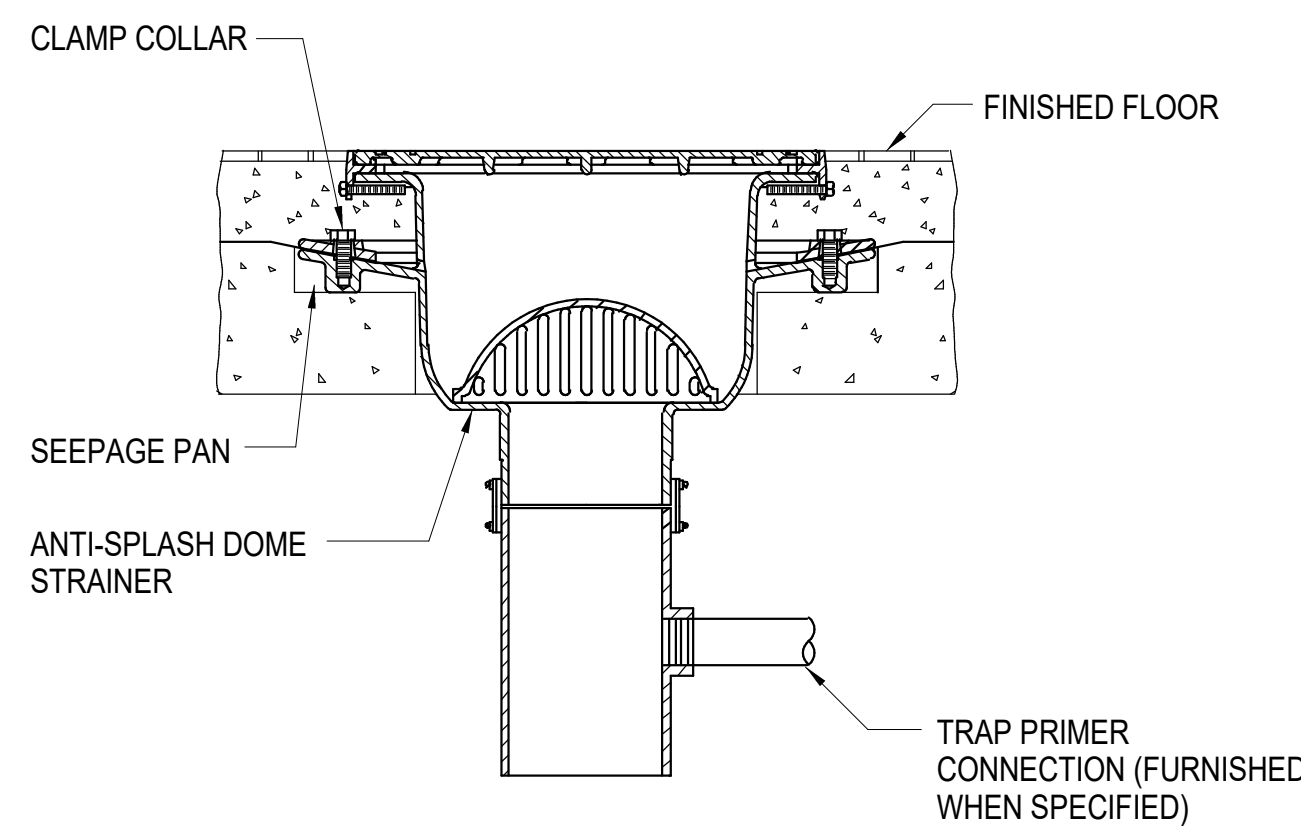
G ROOF GAS PIPING SUPPORT
SCALE: NONE



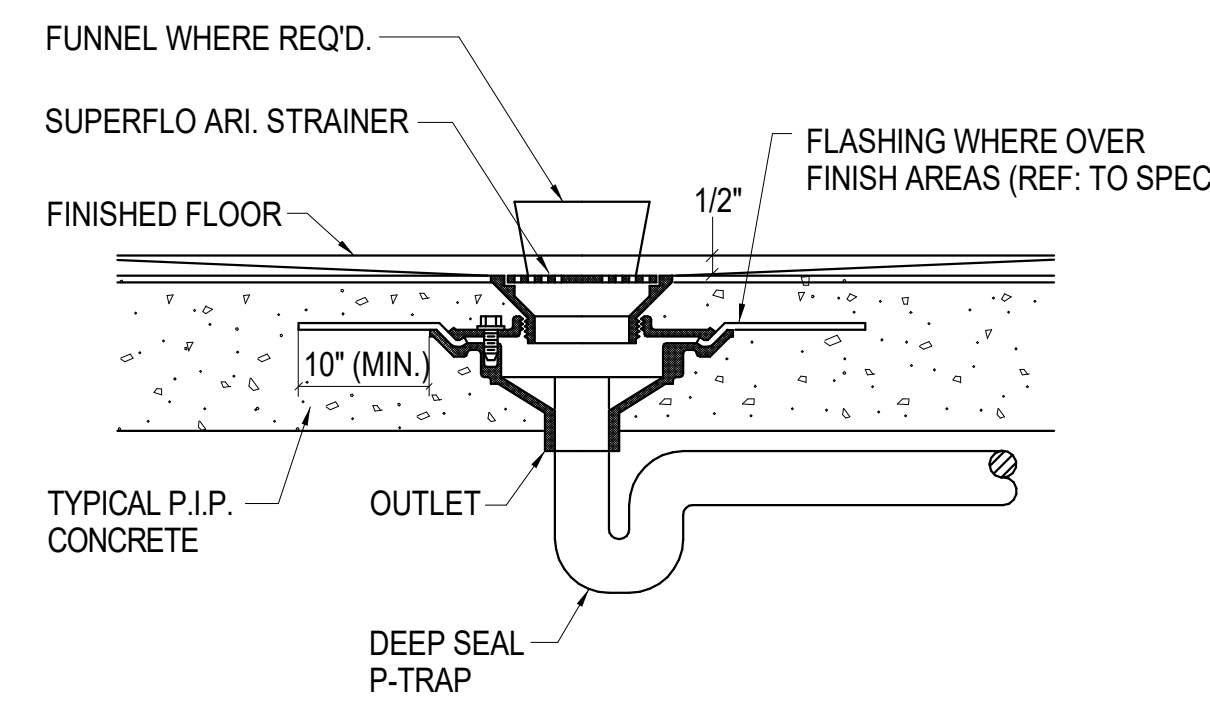
H GAS-FIRED WATER HEATER WITH CIRCULATING PUMP DETAIL
SCALE: NONE



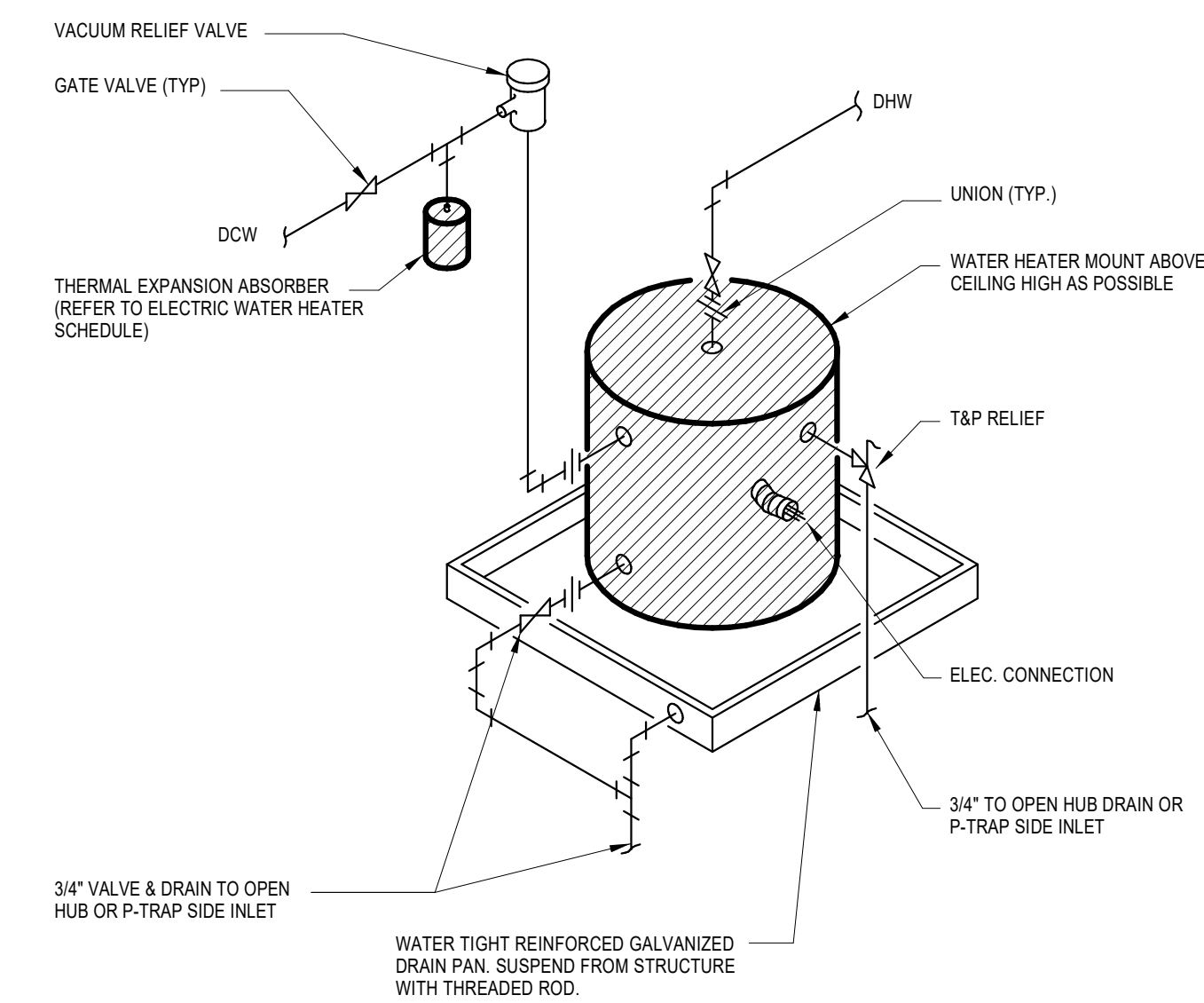
I IN-LINE PUMP PIPING DETAIL
SCALE: NONE



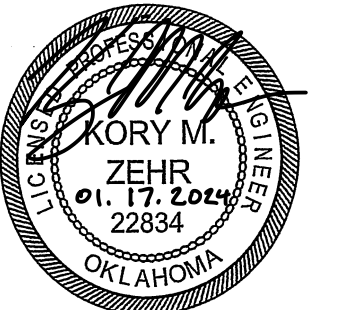
J FLOOR SINK DETAIL
SCALE: NONE



K TYPICAL FLOOR DRAIN DETAIL
SCALE: NONE



L ELEC. WATER HEATER W/ RECIRCULATION PUMP DETAIL
SCALE: NONE



DRAWN FOR:

**KIOWA TRIBE
KIOWA CASINO**

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031

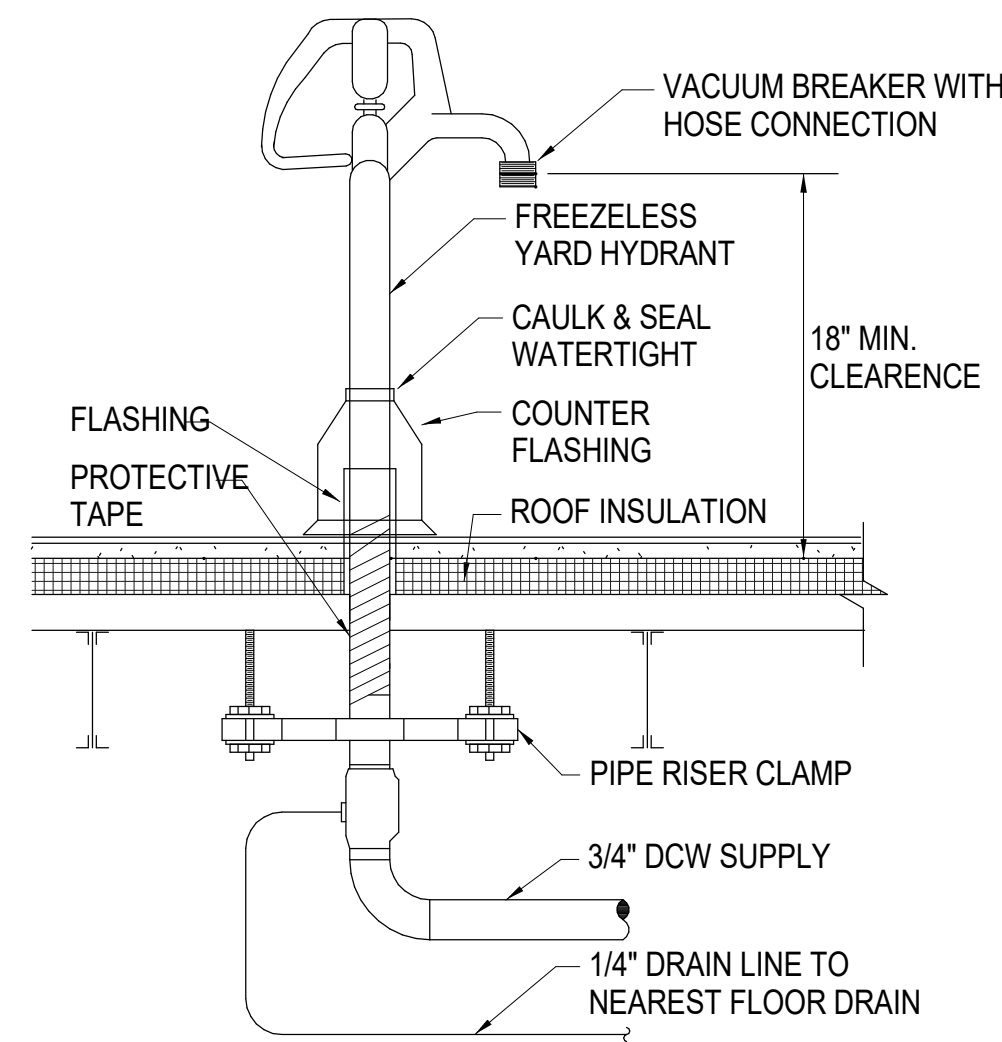
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET

DATE:
01.17.2024

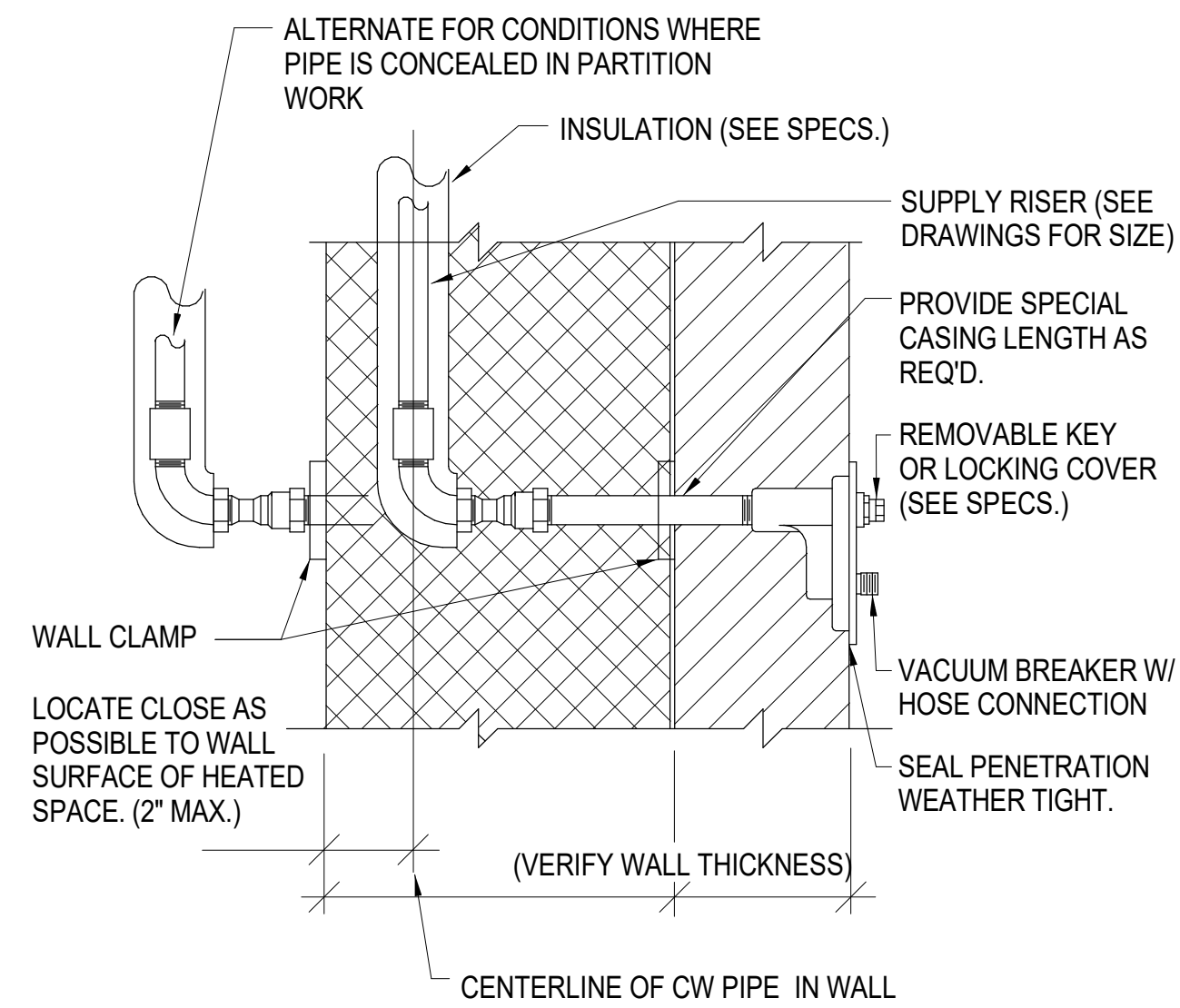
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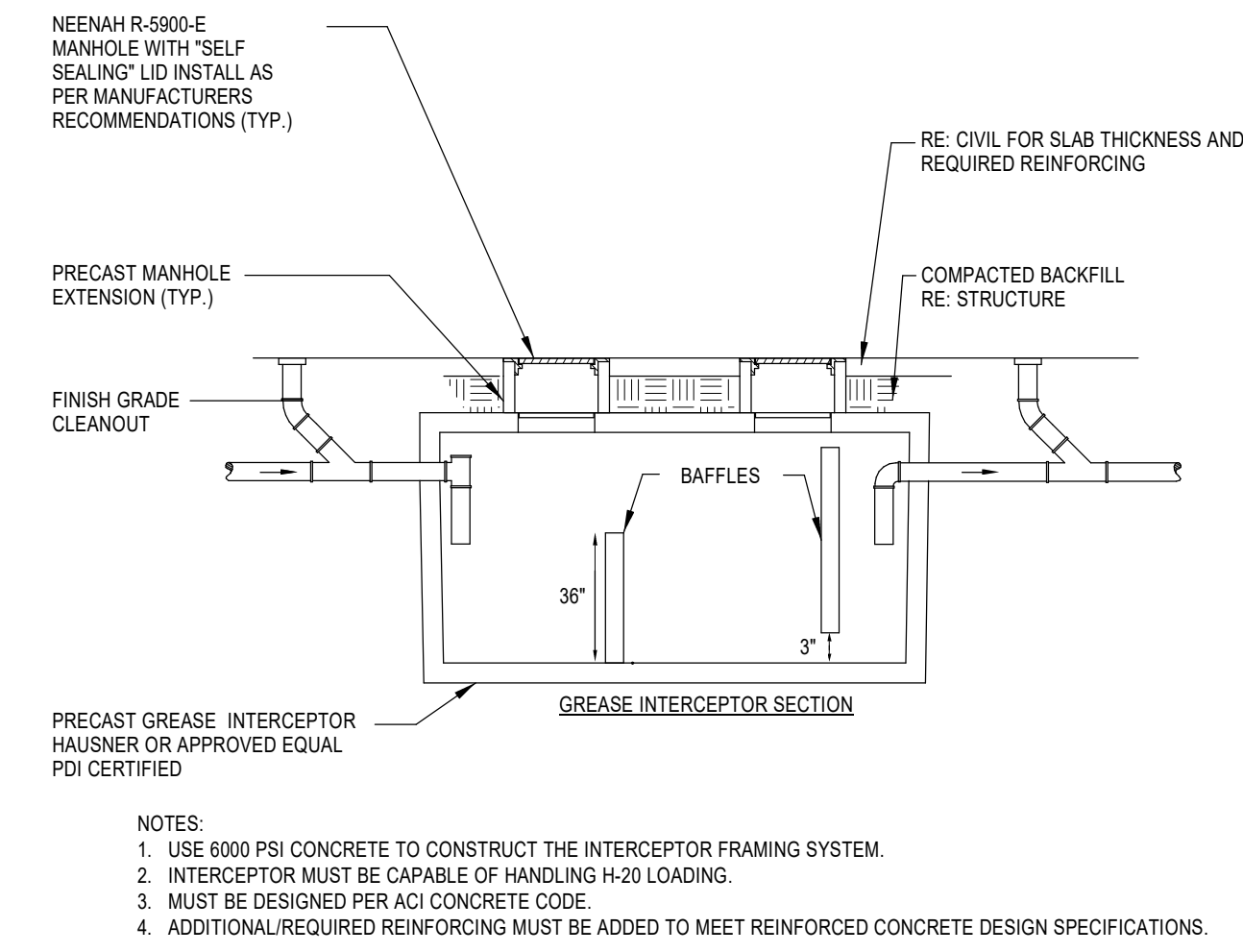
SHEET TITLE:
PLUMBING DETAILS



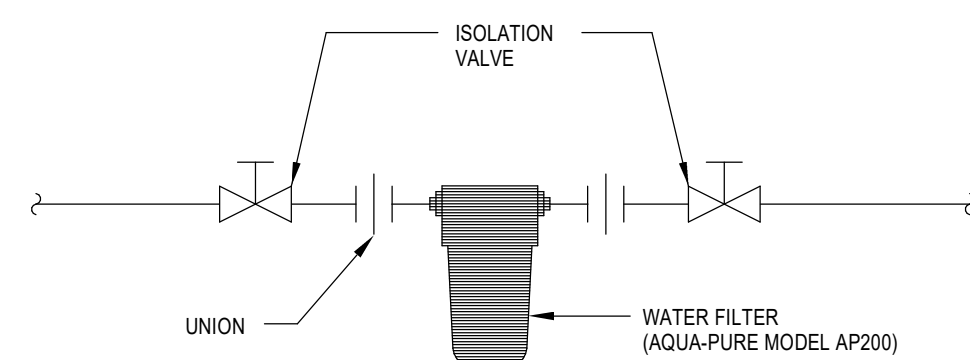
A NON-FREEZE ROOF HYDRANT
SCALE: NONE



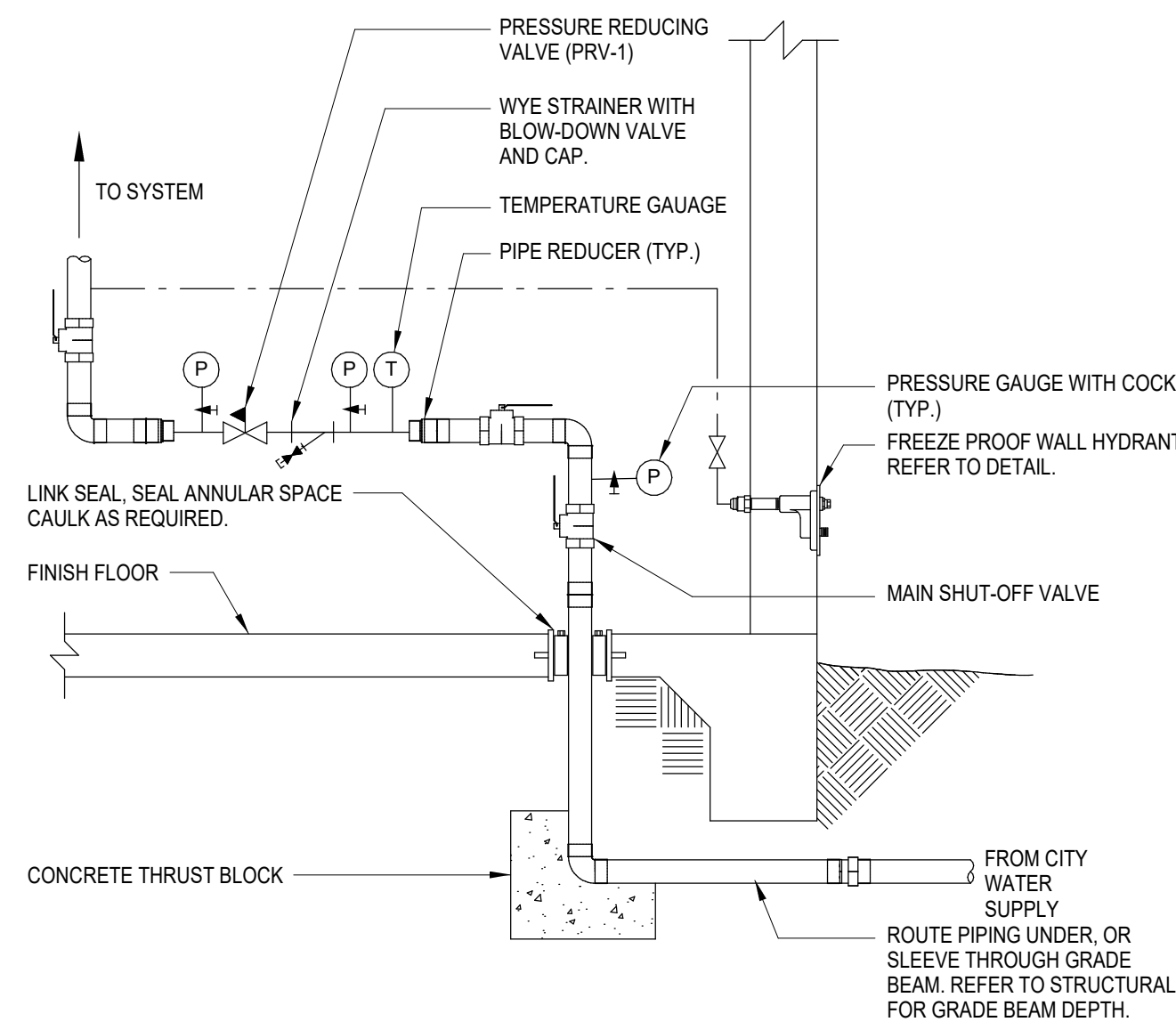
B RECESSED NON-FREEZE HOSE BIBB DETAIL
SCALE: NONE



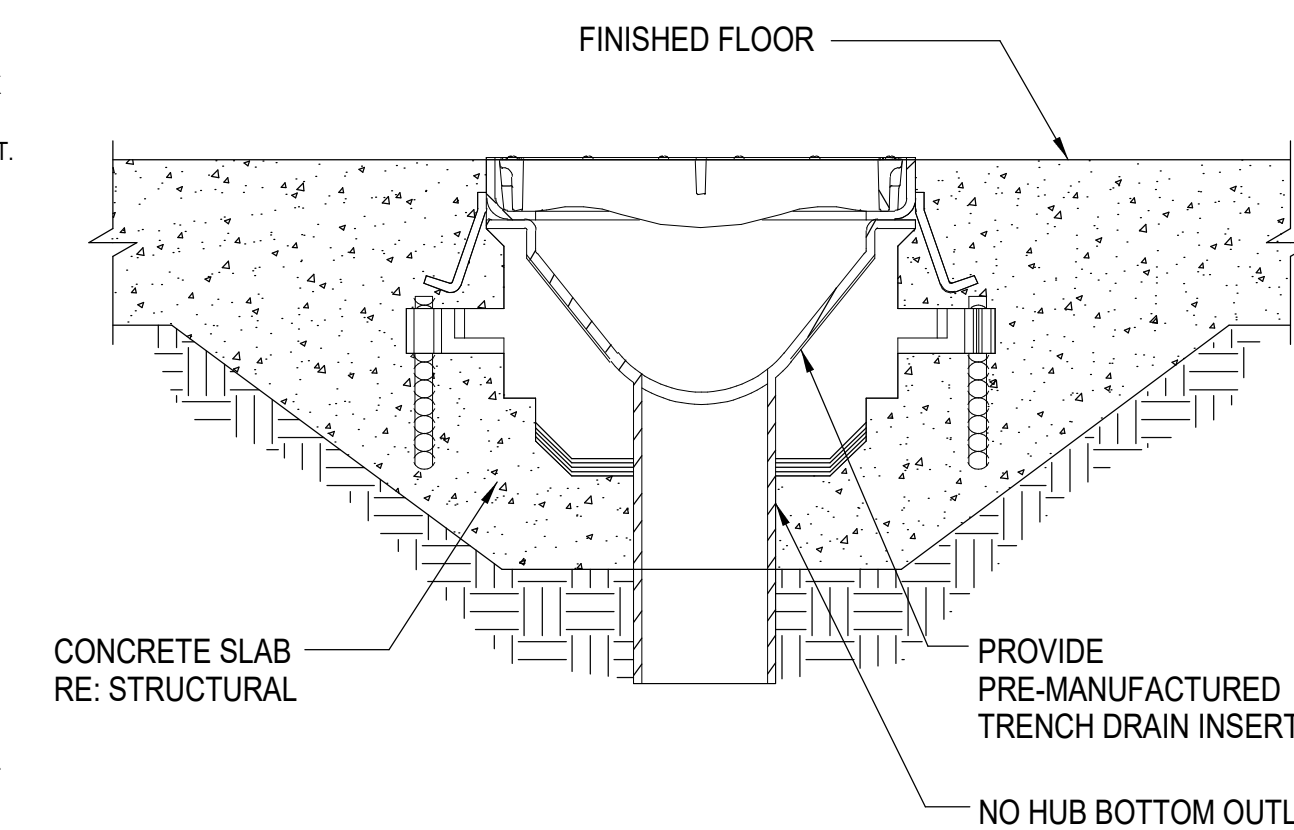
C GREASE INTERCEPTOR DETAIL
SCALE: NONE



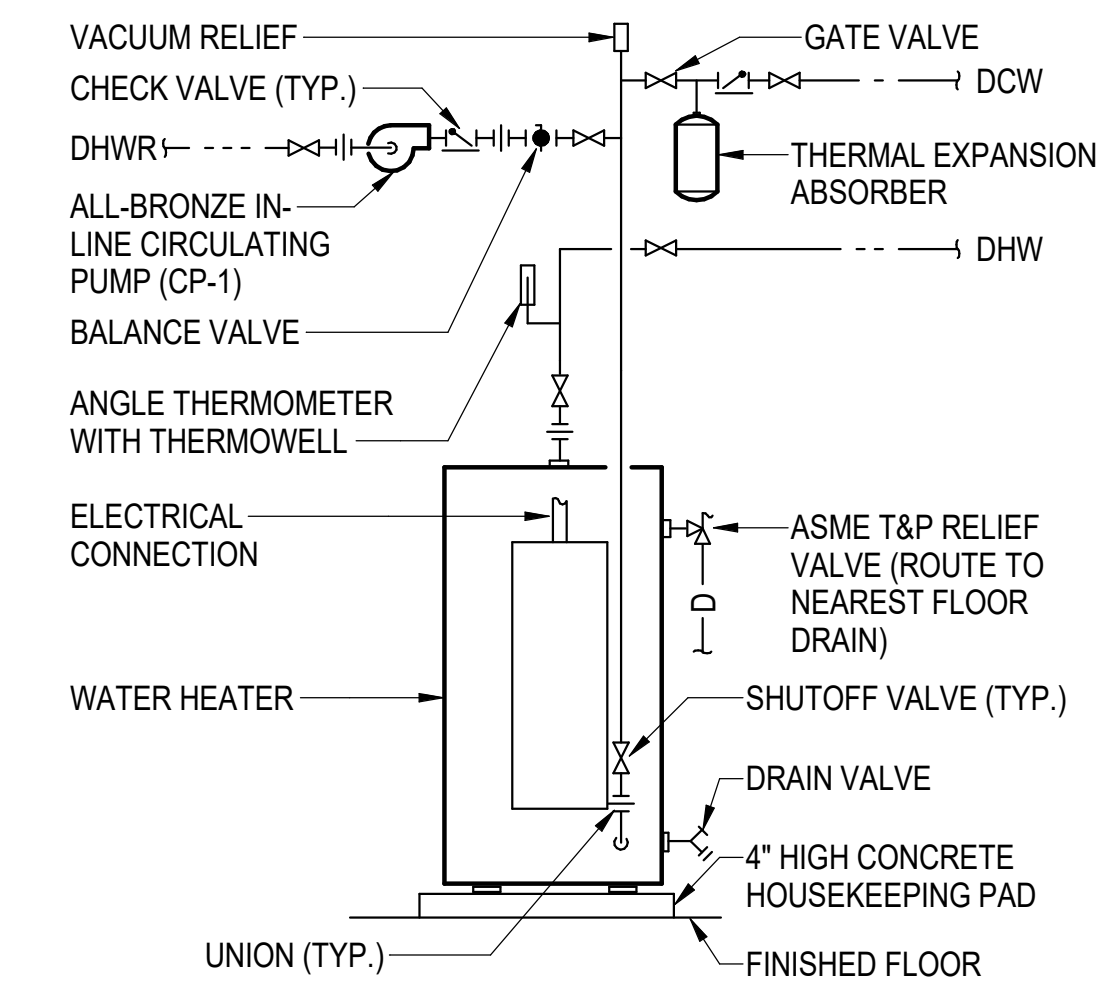
E WATER FILTER DETAIL
SCALE: NONE



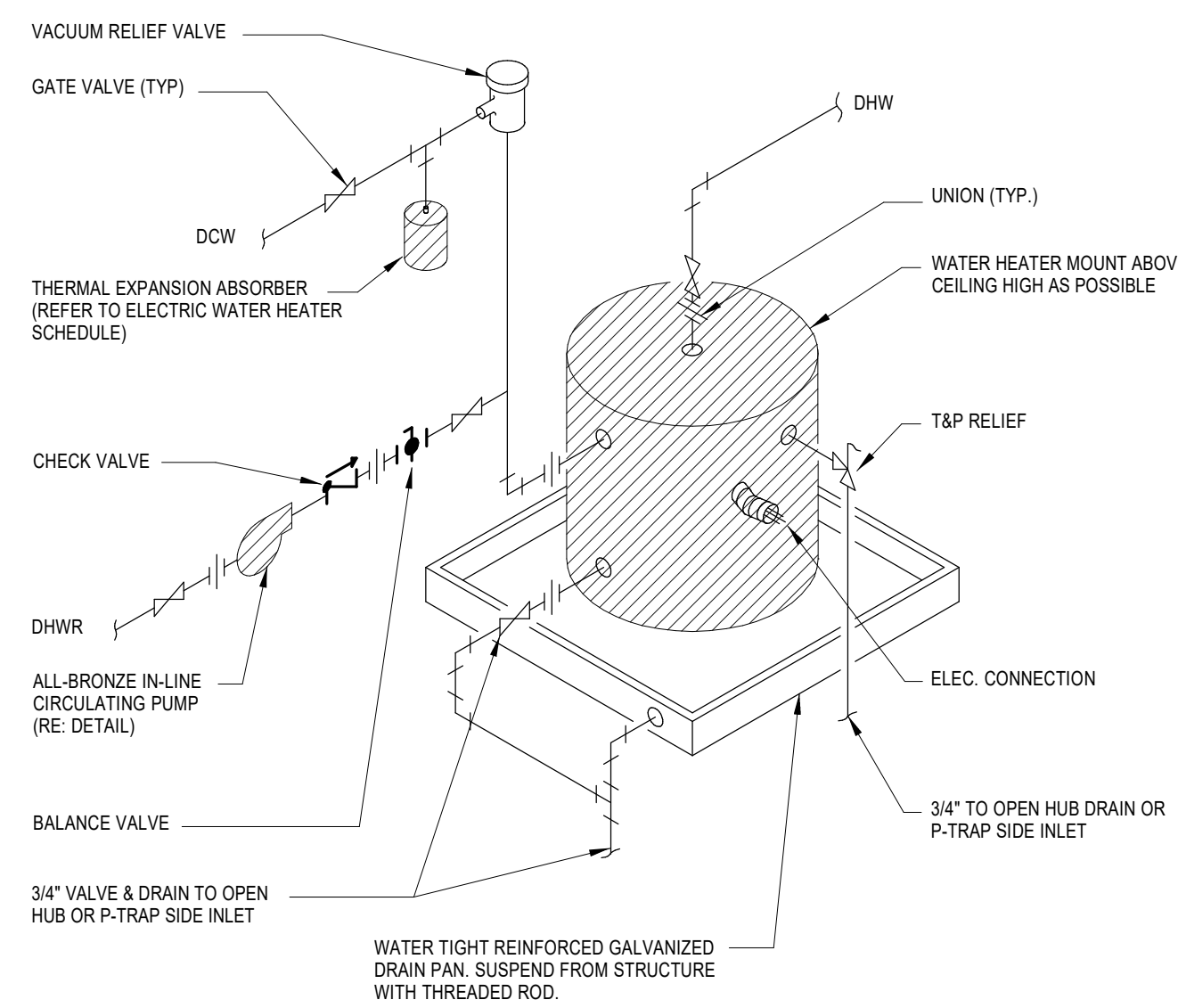
F DOMESTIC WATER BUILDING SERVICE ENTRY DETAIL
SCALE: NONE



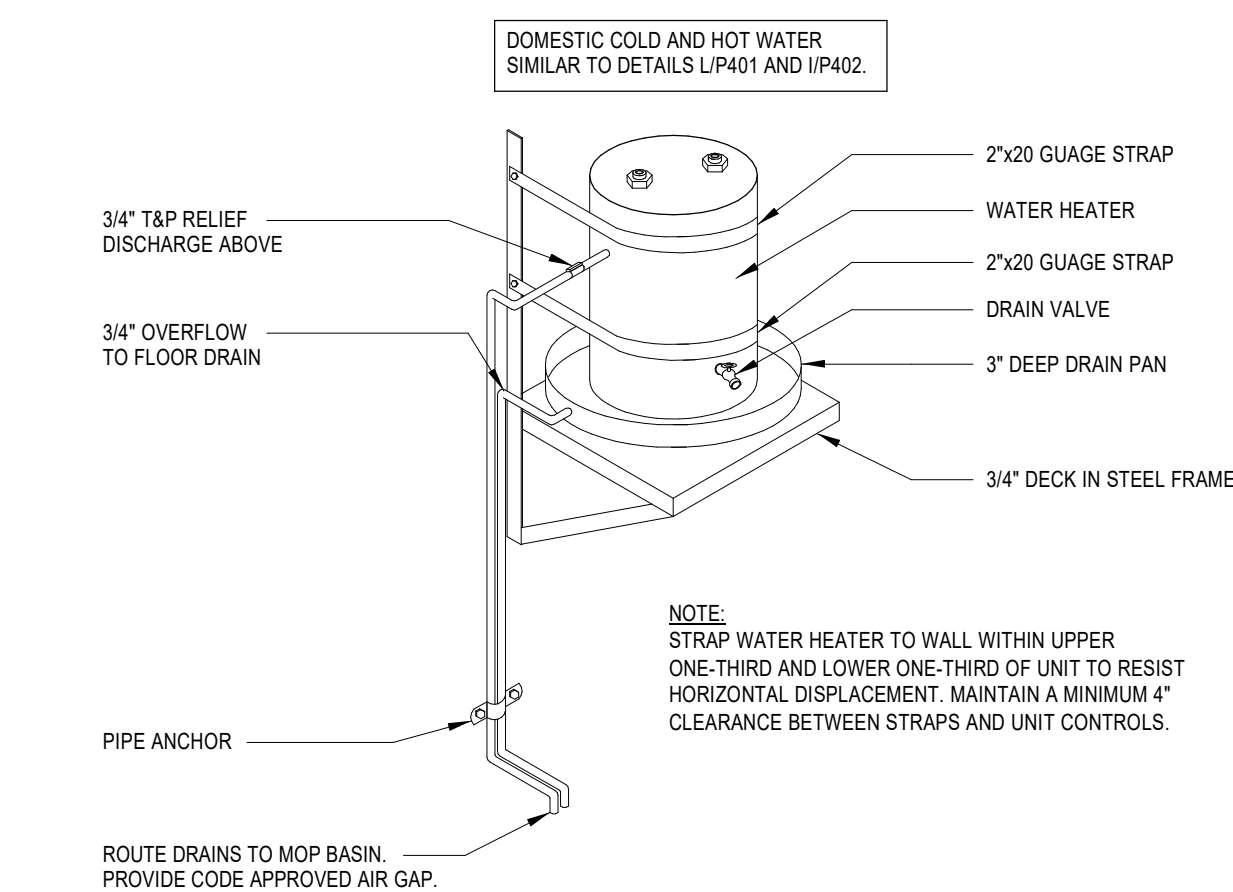
G TRENCH DRAIN DETAIL
SCALE: NONE



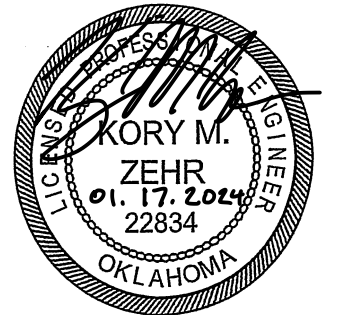
H ELECTRIC WATER HEATER WITH CIRCULATING PUMP DETAIL
SCALE: NONE



I ELEC. WATER HEATER W/ RECIRCULATION PUMP DETAIL
SCALE: NONE



J ELECTRIC WATER HEATER DETAIL
SCALE: NONE



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PLUMBING DETAILS

PLUMBING DETAILS

PLUMBING FIXTURE SCHEDULE

UNIT DESIGNATION		WC-1	WC-2	U-1	L-1	S-1	MSB-1	EWC-1	FPWH-1	FPRH-1	WB-1
FIXTURE TYPE		WATER CLOSET FLOOR MOUNTED FLUSH VALVE	WATER CLOSET FLOOR MOUNTED FLUSH VALVE	URINAL WALL MOUNTED FLUSH VALVE	LAVATORY UNDER COUNTER SINK 18-1/4" x 12-1/8"	SINK SINGLE COMPART.	SQUARE MOP SINK BASIN 24"X24"X10"	ELECTRIC DUAL WATER COOLER W/ BOTTLE FILLER	FREEZE PROOF WALL HYDRANT	FREEZE PROOF ROOF HYDRANT	ICE MAKER WALL BOX
MATERIAL/COLOR		VITREOUS CHINA WHITE	VITREOUS CHINA WHITE	VITREOUS CHINA WHITE	VITREOUS CHINA WHITE	STAINLESS STEEL	MOLDED FIBERGLASS	STAINLESS STEEL	CHROME	STAINLESS STEEL	WHITE
ADA COMPLIANT? (YES/NO)		NO	YES	YES	YES	NO	NO	YES	NO	NO	NO
MANUFACTURER		KOHLER	KOHLER	KOHLER	AM. STANDARD	ELKAY	FLORESTONE	ELKAY	WOODWARD	MAPA	OATEY
MODEL NUMBER		K-96053	K-96057-B-0	K-4991-ET	0618000.020	LRAD202265PD	MSR-2424	EZWS-ERPB28K	B65	MPH-24FP	39140
TRIM	VALVE	SLOAN ROYAL MODEL CX 8158-1.6	SLOAN ROYAL MODEL CX 8158-1.6	SLOAN ROYAL MODEL CX 8198-0.5-OR							
	SEAT	KOHLER K-7671	KOHLER K-7671								
	CARRIER										
	FAUCET				SLOAN OPTIMA EAF-150-ISM-IC	ELKAY LKD2439C	MOEN 8230				
	DRAIN				GRID STRAINER	ELKAY LK35	GRID STRAINER				
MISCELLANEOUS	1.6 GPF BATTERY SENSOR TOP SPUD	1.6 GPF BATTERY SENSOR TOP SPUD	0.5 GPF BATTERY SENSOR TOP SPUD	0.5 GPM AERATOR, BATTERY SENSOR		MOEN 8198 MOP HANGER & 8199 HOSE BRACKET, MR377 WALL GUARDS (2)	8.0 GPH 120V/15 AMP VANDAL RESIST. BUBBLER	LOOSE KEY COVER LOCK AND VALVE VACUUM BREAKER	VACUUM BREAKER	QUARTER TURN BALL VALVE	
WASTE & VENT	ABOVE GROUND	4"	4"	2"	1 1/2"	1 1/2"	3"	1 1/2"	---	---	---
	BELOW GROUND	4"	4"	2"	2"	2"	3"	2"	---	---	---
	VENT (NOTE F)	2"	2"	1 1/2"	1 1/2"	1 1/2"	2"	1 1/2"	---	---	---
WATER SUPPLY	COLD	1"	1"	3/4"	1/2"	1/2"	3/4"	1/2"	3/4"	3/4"	1/2"
	HOT	---	---	---	1/2"	1/2"	3/4"	---	---	---	---
	TEMPERED	---	---	---	1/2"	---	---	---	---	---	---
REMARKS				1,2,3	1,3						

NOTES (APPLICABLE TO ALL FIXTURES)

- REFER TO ARCHITECTURAL ELEVATIONS FOR FIXTURE MOUNTING HEIGHTS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE COPPER PISTON TUBE TYPE WATER HAMMER ARRESTORS ON WATER LINES CONNECTED TO SOLENOID VALVES, FLUSH VALVES, AND TO FIXTURE GROUPS OR INDIVIDUAL FIXTURES. FURNISH WHERE INDICATED OR REQUIRED. SHOCK ABSORBERS SHALL BE PROPERLY SIZED, PROPERLY LOCATED IN AN EFFECTIVE RANGE FROM EQUIPMENT, AND IN ACCORDANCE WITH THE PDI STANDARD WH201.
- PROVIDE FLEXIBLE CHROME PLATED SUPPLIES WITH LOOSE-KEY STOPS (HAND WHEEL STOPS) AND ESCUTCHEONS AT WATER SUPPLIES TO EACH FIXTURE.
- DIMENSIONS SHOWN ABOVE ARE NOMINAL.

REMARKS (APPLICABLE WHERE NOTED AT THE SPECIFIC FIXTURE)

- PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE TO SUPPLY 110 DEG F. TEMPERED WATER TO FIXTURE HOT WATER SUPPLY. INSTALL UNDER LAVATORY IN ACCESSIBLE LOCATION (UNIT MAY BE INSTALLED BEHIND REMOVABLE COUNTER SKIRT).
- INSTALL TRUEBRO, INC. OR EQUAL, REMOVABLE (SNAP CLIP FASTENERS) WHITE PROTECTIVE COVERS ON DRAIN LINE AND WATER SUPPLIES/STOP VALVES FOR ADA COMPLIANT INSTALLATION.
- PROVIDE 17 GAUGE CHROME PLATED P-TRAP WITH CLEANOUT, INSTALL WASTE ELL AT BOTTOM OF BOWL AND PIPE HORIZONTALLY BACK TO P-TRAP INSTALLED AGAINST WALL.

PLUMBING SPECIALTIES SCHEDULE

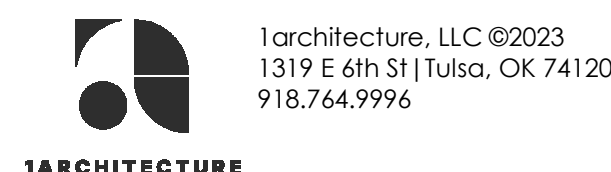
UNIT DESIGNATION		FD-1	FD-2	WCO-1	FCO-1	FGCO-1	RD-1	TD-1	FS-1	FS-2
FIXTURE TYPE		FLOOR DRAIN FINISHED AREA	FLOOR DRAIN UNFINISHED AREA	WALL CLEANOUT	FLOOR CLEANOUT	FINISHED GRADE CLEANOUT	ROOF DRAIN	LINEAR TRENCH DRAIN	FLOOR SINK 12x12x6	FLOOR SINK 16x16x12
MANUFACTURER		ZURN	ZURN	ZURN	ZURN	JAY R. SMITH	ZURN	JAY R. SMITH	JAY R. SMITH	JAY R. SMITH
MODEL NUMBER		Z415SZ	Z-415	Z1441	Z1400	4880	ZC-100	9931	320-Y03	3200
BODY MATERIAL		CAST IRON	CAST IRON	CAST IRON	CAST IRON	CAST IRON	CAST IRON	POLYETHELENE	CAST IRON	CAST IRON
TOP OR STRAINER MATERIAL		NICKEL BRONZE	NICKEL BRONZE		NICKEL BRONZE	NICKEL BRONZE	CAST IRON	DUCTILE IRON	CAST IRON	CAST IRON
TOP OF BODY AND STRAINER FINISH		POLISHED	NICKEL BRONZE		POLISHED	NICKEL BRONZE	CAST IRON	POLYETHELENE		
TOP SHAPE		SQUARE	ROUND	ROUND	ROUND	ROUND	ROUND		SQUARE	SQUARE
STRAINER TYPE		H	H				DOME		1/2 GRATE	1/2 GRATE
TOP OR STRAINER SIZE - INCHES		6	6	SEE PLANS	SEE PLANS	SEE PLANS	12.5	120	12x12	16x16
FUNNEL (YES OR NO)		NO	YES	NO	NO	NO	NO	NO	NO	NO
OUTLET		BOTTOM	BOTTOM	SIDE	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM
TOP LOADING CLASSIFICATION		NONE	NONE	NONE	HEAVY DUTY	EXTRA HEAVY DUTY	NONE	HEAVY DUTY	NONE	NONE
MISCELLANEOUS				STAINLESS STEEL ACCESS COVER VANDAL PROOF	VANDAL PROOF SECURED TOP	ROUND HOUSING AND COVER				
WASTE & VENT	ABOVE GROUND	2"	2"	SEE PLANS	SEE PLANS	SEE PLANS	SEE DRAWINGS	3"	3"	4"
	BELOW GROUND	2"	2"	SEE PLANS	SEE PLANS	SEE PLANS	SEE DRAWINGS	3"	3"	4"
	VENT	1 1/2"	1 1/2"	--	--	--		2"	2"	2"
REMARKS		2,4,7,9	2,4,7				2,4,9	2,4,7	1,5	1,5

REMARKS (APPLICABLE WHERE NOTED AT THE SPECIFIC FIXTURE)

- SEDIMENT BUCKET
- SEEPAGE FLANGE
- ANCHOR FLANGE WITH SEEPAGE HOLES
- CLAMPING DEVICE
- ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER
- 3/4 GRATE
- RECTORSEAL SURESEAL ASSE 1072 DRAIN TRAP GUARD
- REMOVABLE STAINLESS STEEL SCREEN
- ADJUSTABLE EXTENSION ASSEMBLY

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Oklahoma Certificate of Authorization #CA1395
Renewal Date: 06.30.25



DRAWN FOR:

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HOBART, OKLAHOMA 73651

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PLUMBING SCHEDULES

P501

GREASE INTERCEPTOR - SIZING CALCULATION									
FIXTURE	QUANTITY	SIZE, EACH		DEPTH	VOL. ea.	TOTAL	DIS...	NET. VOL.	
		LENGTH	x WIDTH x		Cu. In.	GALS	MENT	GALLONS	
							MULT.		
KITCHEN SPACES									
HAND SINK	2	17.5	11.5	5.5	1107	9.58	0.75	7.2	
FLOOR DRAIN	12	4	4	2	32	1.66	1.00	1.7	
FLOOR SINK	1	13	13	11.5	1944	8.41	1.00	8.4	
FLOOR SINK	13	9	9	5.5	446	25.07	1.00	25.1	
MOP SINK	1	22	22	8	3872	16.76	1.00	16.8	
*1 COMPARTMENT SINK	1	17.5	17.5	11.5	3522	15.25	0.75	11.4	
*2 COMPARTMENT SINK									
*3 COMPARTMENT SINK									
*4 COMPARTMENT SINK									
						TOTAL...		71	
TOTAL GALLONS		(FIXTURES) / 1 MINUTE FLOW RATE = (X)GPM							71
		*KITCHEN DISHWASHER =							25
		*DISPOSER =							
MINIMUM GPM =								96	
REQUIRED INTERCEPTOR VOLUME = FLOWRATE (GPM) X 30 MINUTE RETENTION TIME =								2,866	
NOTES: 1. SIZING CALCULATIONS ARE IN ACCORDANCE WITH PDI GUIDELINES AND 2015 INTERNATIONAL PLUMBING CODE.									
* THIS FIXTURE IS DRAINED BY INDIRECT WASTE TO A FLOOR SINK.									

ELECTRIC WATER HEATER SCHEDULE					
UNIT DESIGNATION	EW-1	EW-2	EW-3		
MANUFACTURER	STATE	STATE	STATE		
MODEL NO.	ES6-10-SOMS-K	EM-8-40-DORS	EM-8-40-DORS		
CAPACITY - GALLONS	10	40	40		
RECOVERY - GPH AT 100 DEG. F. RISE	8	21	21		
ELECTRICAL	MAX. DEMAND - KW	2	6	6	
	FULL LOAD CURRENT (AMPS)	--	--	--	
	VOLTAGE	277	277	277	
	HERTZ	60	60	60	
HEATING ELEMENTS	NUMBER	1	1	1	
	KW EACH	2	6	6	
TEMPERATURE SET POINT - DEG. F.	140	140	140		
REMARKS	1	1	1		
1. PROVIDE AMTROL ST-5C EXPANSION TANK OR EQUAL.					

PLUMBING PIPING INSULATION SCHEDULE						
SYSTEM		DOMESTIC COLD WATER	DOMESTIC HOT WATER AND RETURN	SANITARY WASTE		
INDOOR	SIZE/THICKNESS	<= 1" NPS / 1/2"	<= 1 1/4" NPS / 1/2"	ALL / 1"		
	TYPE	>= 1 1/4" NPS / 1"	>= 1 1/2" NPS / 1"			
	MATERIAL	WRAP	WRAP	WRAP		
	FIELD-APPLIED	FIBERGLASS	FIBERGLASS	FIBERGLASS		
	JACKET	CONCEALED	NONE	NONE	NONE	
	REMARKS	EXPOSED	NONE	NONE	NONE	
REMARKS						
1. ABOVEGROUND SANITARY WASTE PIPING WITHIN 10FT OF DRAINS RECEIVING CONDENSATE INCLUDING FLOOR DRAINS AND TRAPS.						
2. EXPOSED VERTICAL LEADERS WITHIN FINISHED SPACES DO NOT REQUIRE INSULATION.						
GENERAL						
1. ITEMS NOT INSULATED UNLESS OTHERWISE INDICATED, DO NOT INSTALL INSULATION ON THE FOLLOWING:						
A. DRAINAGE PIPING LOCATED IN CRAWL SPACES.						
B. UNDERGROUND PIPING						
C. CHROME-PLATED PIPES AND FITTINGS UNLESS THERE IS A POTENTIAL FOR PERSONNEL INJURY.						

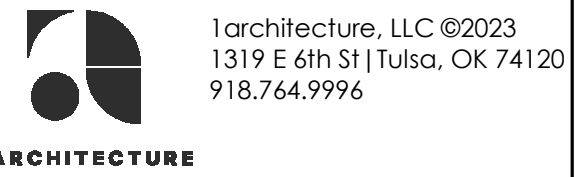
GAS-FIRED DOMESTIC WATER HEATER SCHEDULE			
UNIT DESIGNATION	GWH-1		
MANUFACTURER	PVI		
MODEL NO.	20 L 100A-GCL		
ASME CONSTRUCTION (YES/NO)	YES		
CAPACITY-GALLONS	100		
RECOVERY-GPH AT 100 DEG. F. RISE	233		
FUEL GAS	TYPE GAS	NAT. GAS	
	INPUT-MBH	199.9	
	OUTPUT-MBH	193.9	
	MIN. INLET PRESSURE, IN. W.C.	3.5	
ELECTRICAL	MAX. INLET PRESSURE, IN. W.C.	14	
	VOLTAGE	120	
	PHASE	1	
	HERTZ	60	
VENT DIAMETER	COMBUSTION AIR INLET SIZE-INCHES	4	
	FLUE GAS OUTLET SIZE-INCHES	3	
TEMPERATURE SET POINT-DEG. F.	140		
FLOW CONTROL FITTING-GPM	--		
REMARKS	1-4		
REMARKS			
1. CONDENSATE NEUTRALIZATION KIT.			
2. CPVC DIRECT VENT VERTICAL THROUGH ROOF.			
3. EXPANSION TANK AMTROL MODEL ST-35V-CL OR APPROVED EQUAL.			
4. MANUFACTURER'S WARRANTY: STORAGE TANK 15-YEAR, HEAT EXCHANGER CORROSION 8-YEAR, 7-YEAR PRORATED.			

PLUMBING PUMP SCHEDULE				
UNIT DESIGNATION	DHWP-1	DHWP-2	DHWP-3	
SERVICE	DHWR	DHWR	DHWR	
MANUFACTURER	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT	
MODEL NO.	NBF-22	NBF-22	NBF-22	
CAPACITY-GPM	1	1	1	
TOTAL DYNAMIC HEAD-FT.	14	14	14	
MAX. WORKING PRESSURE-PSIG	150	150	150	
MAX. WATER TEMPERATURE-DEG. F.	--	--	--	
COUPLING TYPE	CLOSE, IN-LINE	CLOSE, IN-LINE	CLOSE, IN-LINE	
IMPELLER SIZE-IN.	0.75	0.75	0.75	
INLET-OUTLET SIZE-IN.	0.75	0.75	0.75	
CONNECTION TYPE (FLG, COMP.FLG)	FLG	FLG	FLG	
MOTOR	HP	92 WATTS	92 WATTS	92 WATTS
	RPM	2940	2940	2940
	VOLTAGE	120	120	120
ELECTRICAL	PHASE	1	1	1
	HERTZ	60	60	60
REMARKS	1,2,3	1,2,3	1,2,3	
REMARKS				
1. REFER TO PLANS AND SPECIFICATIONS.				
2. ALL BRONZE CONSTRUCTION FOR DOMESTIC WATER SERVICE.				
3. AQUASTAT WITH ADJUSTABLE RANGE AND WIRE TO CYCLE PUMP.				

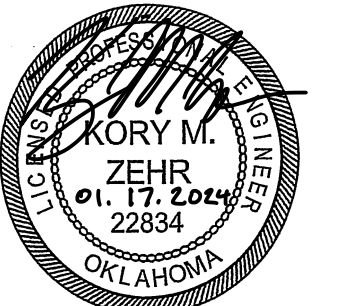
INTERCEPTOR SCHEDULE		
UNIT DESIGNATION	GI-1	
MANUFACTURER	PARK USA	
MODEL NO.	GT-3000	
INTERCEPTOR TYPE	GREASE	
OVERALL DIMENSIONS (L x W x H) - IN	156 X 84 X 96	
RETENTION CAPACITY - GAL.	3000	
FLOW RATE - GPM	--	
INLET/OUTLET PIPE SIZE - NPS	4	
VENT PIPE SIZE - NPS	3	
MANHOLE	MATERIAL	STEEL
RISER	DIAMETER - IN.	24
REMARKS	1,2,3,4,5,6,7	
REMARKS		
1. TOP FLUSH WITH GRADE.		
2. UNDERGROUND WITH MANHOLE RISER TO GRADE.		
3. LIGHT-TRAFFIC LOAD.		
4. FULL SIZE EXTENSION WITH PRESSURE-TYPE ROUND MANHOLE FRAME, BOLTED LID WATER AND GAS TIGHT.		
5. SERVICE ALERT PANEL, 120V/1/60.		
6. CORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.		
7. TEST WELL DOWNSTREAM OF INTERCEPTOR.		

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PLUMBING SCHEDULES

ELECTRICAL SYMBOLS LIST

	DUPLEX CONVENIENCE OUTLET, +18" A.F.F. U.O.N., NUMBER DENOTES CIRCUIT, (EXAMPLE: 3).
	SIMPLEX CONVENIENCE OUTLET, +18" A.F.F. U.O.N., NUMBER DENOTES CIRCUIT, (EXAMPLE: 2).
	GFI DENOTES GROUND FAULT INTERRUPTING.
	WP DENOTES IN-USE WEATHERPROOF COVER.
	IG DENOTES ISOLATED GROUND.
	C DENOTES DEVICE MOUNTED ABOVE COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
	E DENOTES EXISTING TO REMAIN.
	R DENOTES EXISTING TO BE REMOVED.
	SPECIAL RECEPTACLE OUTLET CONFIGURATION.
	DOUBLE DUPLEX RECEPTACLE OUTLET.
	WALL MOUNTED JUNCTION BOX FOR POWER SERVICE TO PANEL SYSTEM. NUMBER DENOTES CIRCUIT, (EXAMPLE: 1).
	JUNCTION BOX, NUMBER DENOTES CIRCUIT, (EXAMPLE: 1).
	FLOOR MOUNTED OUTLET FOR POWER SERVICE, DATA SERVICE, AND TELEPHONE SERVICE TO PANEL SYSTEM. PROVIDE FINAL CONNECTIONS TO PANEL SYSTEM. NUMBER DENOTES CIRCUIT, (EXAMPLE: 1).
	COMBINATION POWER/TELEPHONE/DATA FLOOR BOX SERVICE FITTING.
	POWER SERVICE FOR FLOOR BOX SERVICE FITTING.
	TELEPHONE SERVICE FOR FLOOR BOX SERVING FITTING. INSTALL TELEPHONE COVERPLATE IN SERVICE FITTING.
	OUTLET FOR CABLE TV. +50" A.F.F. U.O.N. FURNISH AND INSTALL CONDUIT AND CABLE AS REQUIRED TO COMPLETE A FULLY OPERABLE SYSTEM. CABLING, TERMINATIONS, TESTING AND MAPPING BY THE OWNER.
	COMBINATION DATA OUTLET, +18" A.F.F. U.O.N. INSTALL 4" SQUARE EXTRA DEEP BOX WITH SINGLE GANG RAISED COVER (MUD RING) AND 3/4" C. STUBBED INTO ACCESSIBLE CEILING SPACE. IN CEILING PLENUM, THE CONDUIT SHALL BE FURNISHED WITH A PROTECTIVE BUSHING AND PULL STRING. PROVIDE ONE DEDICATED CONDUIT PER OUTLET. CABLING, TERMINATIONS, TESTING AND MAPPING BY THE OWNER.
	TELEPHONE OUTLET, +18" A.F.F. U.O.N. PROVIDE PLASTER RING AND PULL STRING TO ACCESSIBLE CEILING SPACE.
	TELEPHONE OUTLET. WALL MOUNTED +46" A.F.F. U.O.N. PROVIDE PLASTER RING AND PULL STRING TO ACCESSIBLE CEILING SPACE.
	FIRE ALARM CONTROL PANEL.
	FIRE ALARM MANUAL PULL STATION, +46" A.F.F. U.O.N. INTERFACE TO BASE BUILDING FIRE ALARM SYSTEM.
	ADA APPROVED STROBE LIGHT. MATCH BUILDING STANDARD. MOUNT BOTTOM OF DEVICE AT 80" A.F.F. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. PROVIDE POWER SUPPLIES AS REQUIRED.
	ADA APPROVED STROBE LIGHT WITH SPEAKER. MATCH BUILDING STANDARD. MOUNT BOTTOM OF DEVICE AT 80" A.F.F. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. PROVIDE POWER SUPPLIES AS REQUIRED.
	ADA APPROVED CEILING MOUNTED STROBE LIGHT. MATCH BUILDING STANDARD. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. PROVIDE POWER SUPPLIES AS REQUIRED.
	ADA APPROVED CEILING MOUNTED STROBE LIGHT WITH SPEAKER. MATCH BUILDING STANDARD. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. PROVIDE POWER SUPPLIES AS REQUIRED.
	SMOKE DETECTOR, INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM.
	SMOKE DETECTOR, DUCT MOUNTED, INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. DETECTOR TO SHUTDOWN ASSOCIATED HVAC UNIT UPON ALARM.
	FIRE ALARM HORN, RECESSED, INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM.
	SPRINKLER SYSTEM FLOW SWITCH, INTERCONNECT TO BASE BUILDING FIRE SYSTEM.
	VOICE PAGING SPEAKER, CABLING BACK TO NEAREST COMMUNICATION ROOM TO INTERCONNECT TO EXISTING PAGING SYSTEM. PROVIDE AMPLIFIER(S) AS REQUIRED TO EXTEND EXISTING SYSTEM. VOICE PAGING SPEAKER OWNER FURNISHED AND INSTALLED.
	ADA APPROVED CEILING SPEAKER. MATCH BUILDING STANDARD. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM. PROVIDE POWER SUPPLIES AS REQUIRED.
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, NON-FUSED.
	COMBINATION STARTER, FUSED.
	COMBINATION STARTER, NON-FUSED.
	EMERGENCY LED OR FLUORESCENT FIXTURE. PROVIDE FIXTURE WITH INTEGRAL BATTERY BACKUP, TYPICAL FOR ALL LIGHTING FIXTURES. REFER TO EMERGENCY BALLAST WIRING DIAGRAM.
	SECURITY CAMERAS, FURNISHED AND INSTALLED BY OWNER. CABLING, TERMINATIONS, TESTING AND MAPPING BY THE CONTRACTOR.

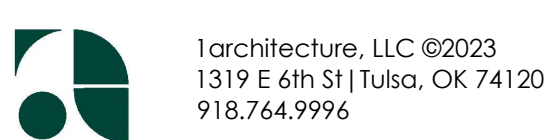
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD.
	ELECTRIC MOTOR, NIEC, MAKE CONNECTIONS ONLY. NUMBER DENOTES HORSEPOWER. (EXAMPLE: 2HP)
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, RECESSED MOUNTED.
	CONDUIT RUN BELOW SLAB OR UNDERGROUND.
	CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET.
	LONG CROSSMARKS INDICATE PHASE CONDUCTORS AND SHORT CROSSMARKS WITHOUT DESIGNATION ARE NEUTRAL CONDUCTORS. SHORT CROSSMARKS WITH "G" ARE SEPARATE EQUIPMENT GROUNDING CONDUCTORS.
	ALL CONDUCTORS SHALL BE #12 AWG U.O.N.
	ALL PVC CONDUITS SHOULD HAVE SEPARATE GROUNDING CONDUCTOR.
	FLEXIBLE METALLIC CONDUIT.
	SINGLE POLE TOGGLE OR MOMENTARY CONTACT SWITCH, +46" A.F.F. U.O.N. "o" INDICATES FIXTURES SWITCHED. ALSO USED IN LOW VOLTAGE SWITCHING TO CONTROL REMOTE CONTACTOR OR IN DIRECT LINE VOLTAGE SWITCHING.
	THREE-WAY TOGGLE SWITCH, +46" A.F.F. U.O.N.
	WALL BOX DIMMER SWITCH, +46" A.F.F. U.O.N.
	WALL MOUNTED OCCUPANCY SENSOR, +46" A.F.F. U.O.N.
	CEILING MOUNTED OCCUPANCY SENSOR.
	WALL MOUNTED OCCUPANCY SENSOR.
	FLUORESCENT OR LED FIXTURE. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, "a". UPPER CASE LETTER INDICATES FIXTURE TYPE, i.e. "B". NUMERAL INDICATES PANEL CIRCUIT NUMBER, i.e. "3". SWITCH, FIXTURE TYPE, AND CIRCUIT NUMBERS ARE TYPICAL FOR ALL LIGHTING FIXTURES. WHERE TWO SWITCHING DESIGNATIONS ARE SHOWN CIRCUIT ONE LAMP OF TWO LAMP FIXTURES AND OUTER LAMPS OF 3 AND 4 LAMP FIXTURES TO THE FIRST SWITCHING DESIGNATION SHOWN. AND THE REMAINING LAMP(S) TO THE SECOND DESIGNATION SHOWN.
	FLUORESCENT OR LED STRIP FIXTURE.
	INCANDESCENT, FLUORESCENT, LED OR H. I. D. FIXTURE.
	INCANDESCENT, FLUORESCENT, LED OR H. I. D. FIXTURE, WALL MOUNTED.
	INCANDESCENT, FLUORESCENT, LED OR H. I. D. SCNCE.
	INCANDESCENT, FLUORESCENT, LED OR H. I. D. WALL WASHER.
	WALL MOUNTED EGRESS FIXTURE.
	CEILING MOUNTED EGRESS FIXTURE.
	SINGLE FACE EXIT FIXTURE, CEILING OR WALL MOUNTED, PROVIDE DIRECTIONAL ARROW IF SHOWN. BRACKET DENOTES WALL MOUNTING. MOUNT FIXTURE FACE PARALLEL TO ADJACENT DOOR WHERE APPLICABLE.
	DOUBLE FACE EXIT FIXTURE, CEILING OR WALL MOUNTED, PROVIDE DIRECTIONAL ARROWS AS SHOWN. BRACKET DENOTES WALL MOUNTING. MOUNT FIXTURE FACE PERPENDICULAR TO ADJACENT DOOR WHERE APPLICABLE.
	NUMBERED NOTE: REFER TO SHEET CONTAINING NUMBERED NOTES.
	WIRELESS ACCESS POINT, FURNISHED AND INSTALLED BY OWNER. CABLING, TERMINATIONS, TESTING AND MAPPING BY THE CONTRACTOR.
	AUDIO/VISUAL JUNCTION BOX WITH BLANK COVER PLATE +18" A.F.F. U.O.N., PROVIDE PLASTER RING AND PULL STRING TO ACCESSIBLE CEILING SPACE.
	CARD READER, +46" A.F.F. U.O.N.
	DOOR RELEASE PUSHBUTTON, +46" A.F.F. U.O.N.
	ADA APPROVED CARBON MONOXIDE DETECTOR. MOUNT TOP OF DEVICE AT 1'-0" BELOW FINISHED CEILING OR AS REQUIRED BY CODE. INTERCONNECT TO BASE BUILDING FIRE ALARM SYSTEM.
	WALL MOUNTED PUSHBUTTON FOR INTERCOM, +46" A.F.F. U.O.N. PROVIDE 3/4" C. STUBBED INTO ACCESSIBLE CEILING SPACE. IN CEILING PLENUM, THE CONDUIT SHALL BE FURNISHED WITH A PROTECTIVE BUSHING AND PULL STRING. PROVIDE ONE DEDICATED CONDUIT PER OUTLET. CABLING, TERMINATIONS, TESTING AND MAPPING BY THE OWNER.
	INTERRUPTION CAPACITY
	AMPS
	VOLTS
	ISOLATED GROUND
	GROUND
	PHASE DESIGNATION (EXAMPLE: 3 PHASE)
	NUMBER OF CONDUCTORS (EXAMPLE: 3 WIRES)
	CONDUIT SIZE (EXAMPLE: 3" CONDUIT)
	LED OR FLUORESCENT FIXTURE CONTROLLING SWITCH TO BE UNSWITCHED.

ELECTRICAL GENERAL NOTES

- THE SPACE ALLOCATION SHOWN ON THE PLAN DRAWINGS ARE BASED ON ONLY ONE MANUFACTURER. THE CONTRACTOR SHALL VERIFY THAT THE PROPOSED SWITCHGEAR (INCLUDING SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS) WILL SATISFY THE SPACE REQUIREMENTS SHOWN ON THE DRAWINGS.
- WHERE CEILING SPACE IS A RETURN AIR PLENUM, ALL WIRING IN CEILING SPACE MUST BE IN CONDUIT OR USE TEFLON JACKETED CABLE TO MEET RETURN AIR PLENUM REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR SURVEYING THE SITE TO DETERMINE ALL EXISTING CONDITIONS RELATED TO THE NEW BUILDING. THIS INCLUDES ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL MAKE PROVISIONS FOR CROSSING, DISCONNECTING IN THE EVENT NEW UTILITY SERVICE TO NEW BUILDING ARE ROUTED THRU THESE AREAS.
- SURFACE MOUNTED PANELS, DEVICES, AND RACEWAY WILL ONLY BE ALLOWED IN MECHANICAL AREAS.
- COMBINATION OF HOMERUN CIRCUITS SHALL BE AS FOLLOWS:
 - ALL CIRCUITS WITH SEPARATE HOMERUN ARROWS SHALL BE INSTALLED IN DEDICATED CONDUITS. DO NOT COMBINE WITH OTHER BRANCH CIRCUITS.
 - ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO PANEL.
 - A MAXIMUM OF SIX 20A BRANCH CIRCUIT PHASE CONDUCTORS IN COMMON HOMERUN.
 - MINIMUM BRANCH CIRCUIT CONDUCTOR SHALL BE #12AWG, THHN.
 - ALL 120V CIRCUITS SERVING NON-LIGHTING BRANCH CIRCUITS SHALL HAVE SEPARATE #12 AWG EQUIPMENT GROUNDING CONDUCTOR.
- ELECTRICAL CONTRACTOR TO COORDINATE THE MOUNTING HEIGHTS OF ALL COMMUNICATION OUTLETS AND RECEPTACLES WITH ARCHITECTURAL DETAILS.
- IN AREAS WHERE COMMUNICATION OUTLETS ARE INSTALLED IN WALL OF ROOM WITH A GYPBOARD CEILING, CONTRACTOR SHALL INSTALL 3/4" CONDUIT FROM OUTLET TO ACCESSIBLE CEILING.
- CONTRACTOR TO COORDINATE WITH LANDSCAPE PLANS FOR ACTUAL LOCATION OF ALL EXTERIOR LANDSCAPE FIXTURES.
- ALL 120 AND 277V BRANCH CIRCUITS GREATER THAN 100' SHALL BE #10 THHN, MINIMUM.
- CONTRACTOR SHALL INSTALL A PULL STRING IN ALL EMPTY CONDUITS.
- CONTRACTOR SHALL MAINTAIN MINIMUM SEPARATION OF 24" BETWEEN TELEPHONE CONDUIT AND PRIMARY CONDUIT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING STARTER TYPE, OVERLOAD SIZE, AND DISCONNECT SIZE FOR ALL MOTORS IN EACH AIR HANDLER UNIT ROOM WITH MECHANICAL CONTRACTOR.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FLOOR DEVICES. LOCATIONS SHALL BE IN ACCORDANCE WITH ALL UNDERWRITERS LABORATORIES AND LOCAL AUTHORITY REQUIREMENTS. IN NO CASE SHALL FIRE RATED POKE-THROUGH DEVICES BE INSTALLED LESS THAN 24" ON CENTER AND/OR MORE THAN ONE (1) PENETRATION PER 65 SQUARE FEET OF FLOOR AREA OF BEAM SPACE.
- CONTRACTOR TO LOCATE ALL LIGHTING FIXTURES PER ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL NEW ELECTRICAL PANELS SHALL BE INSTALLED A MINIMUM OF 8" FROM ADJACENT PERPENDICULAR WALLS (TO ALLOW FOR FUTURE INSTALLATION OF ELECTRICAL PANELS ON ADJACENT PERPENDICULAR WALLS).
- INSTALL ALL TRANSFORMERS A MINIMUM OF 6" FROM WALLS.
- CONTRACTOR SHALL REVIEW ALL TRENCHING ON SITE WITH LANDSCAPE ARCHITECT AND OBTAIN APPROVAL BEFORE PERFORMING WORK.
- CONTRACTOR SHALL ALLOW A MAXIMUM OF 3% VOLTAGE DROP ON ALL EMERGENCY BRANCH CIRCUITS THROUGHOUT THE AREAS UNDER THIS CONTRACT. CONTRACTOR SHOULD SIZE THE EMERGENCY BRANCH CIRCUITS FEEDERS ACCORDINGLY TO MAINTAIN THE MAXIMUM VOLTAGE DROP AS LISTED ABOVE.
- CONTRACTOR TO REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL FLOW SWITCHES. CONTRACTOR TO PROVIDE CONNECTION TO FLOW SWITCHES FROM FIRE ALARM SYSTEM. CONTRACTOR TO ALSO PROVIDE CONNECTION TO ALL TAMPER SWITCHES FOR EXACT LOCATIONS COORDINATE WITH FIRE PROTECTION (SPRINKLER) CONTRACTOR.
- THE TAMPER SWITCHES WILL BE PROVIDED AT ALL FIRE PROTECTION VALVES EXCEPT FIRE DEPARTMENT HOSES.
- ALL EXTERIOR UNDERGROUND CONDUIT FOR EXTERIOR LIGHTING SHALL BE A MINIMUM OF 1", UNLESS OTHERWISE NOTED.
- ALL EMERGENCY POWER OUTLET DEVICES SHALL BE RED.
- ALL ISOLATED GROUND RECEPTACLE DEVICES SHALL HAVE ORANGE TRIANGLE ON FACE.
- ALL TVSS DEVICES SHALL BE BLUE.
- PROVIDE SINGLE PIECE COMMON FACEPLATE FOR ALL MULTI-GANG WALL SWITCH APPLICATIONS. PIECING TOGETHER SINGLE GANG FACEPLATES SHALL BE UNACCEPTABLE.
- FURNISH LOW VOLTAGE DEVICE FRAMES AND PLATES FOR FLOOR BOXES, POKE-THROUGHS AND FURNITURE POWER/DATA/AV MODULES THAT SUPPORT THE INSTALLED STRUCTURE CABLING SYSTEM.
- ALL TELEPHONE, DATA, COMBINATION TELEPHONE/DATA AND CATV OUTLETS INSTALLED IN ROOMS/AREAS WITH GYPBOARD CEILING OR OPEN STRUCTURE SHALL HAVE A 4" SQUARE EXTRA DEEP BOX WITH SINGLE GANG RAISED COVER (MUD RING) AND 3/4" C. ROUTED TO THE NEAREST ACCESSIBLE CEILING WITH A PROTECTIVE BUSHING AND PULL STRING (TYPICAL).
- ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE REMOVAL FOR EXISTING EQUIPMENT SCHEDULED FOR DEMOLITION. COORDINATE EXACT WORK REQUIRED WITH GENERAL CONTRACTOR.
- ALL FIRE ALARM EQUIPMENT DEVICES TO CONFORM TO BASE BUILDING STANDARD. CONTRACTOR TO VERIFY EXISTING EQUIPMENT PRIOR TO BID TO CONFIRM EQUIPMENT WILL INTEGRATE WITH EXISTING FIRE ALARM CONTROL PANEL AND EQUIPMENT. FACTOR-INTEGRATED AUDIBLE AND VISIBLE DEVICES IN SINGLE ASSEMBLY CEILING MOUNTED TO HAVE WHITE FINISH WITH RED LETTERS.
- CONTRACTOR SHALL CONFIRM EXACT LOCATION OF ROOF TOP UNIT FUSED DISCONNECTS WITH MECHANICAL CONTRACTOR/EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- PANELBOARDS AND BRANCH BREAKERS SHORT-CIRCUIT RATING SHALL MATCH EXISTING.
- TRANSFORMER INSTALLATION:
 - SUPPORT ALL LEVEL-2 TRANSFORMERS USING NEOPRENE MOUNTS WITH 0.25" MINIMUM STATIC DEFLECTION, E.G. MASON TYPE ND, BR, OR HD HANGERS.
 - PROVIDE FLEXIBLE ELECTRICAL CONDUIT CONNECTIONS, LENGTH NOT LESS THAN 12 TIMES CONDUIT DIAMETER. WHERE CONDUIT CANNOT BE FLEXIBLE, MOUNT THE RUN OF CONDUIT BETWEEN TRANSFORMER AND PANEL USING EITHER 1" DEFLECTION SPRING MOUNTS, 0.25" DEFLECTION NEOPRENE HANGERS, E.G. MASON TYPE HD, OR 0.02" DEFLECTION NEOPRENE MOUNTS, E.G. MASON BR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING ELECTRICAL SERVICE TO ALL REMAINING AREAS OF THE FACILITY THROUGHOUT THE PROJECT EXCEPT DURING SCHEDULED SHUTDOWN TIMES.
- ANY SHUTDOWNS OF THE EXISTING FACILITY SHALL BE MUTUALLY AGREED UPON BY OWNER AND CONTRACTOR. CONTRACTOR SHALL GIVE OWNER MINIMUM OF TWO WEEKS NOTICE OF ANY SHUTDOWNS OF EXISTING UTILITY.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE A COMPLETE INSTALLATION IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING NEC PLUS ANY LOCAL CODES.

MASS ARCHITECTS. BIG IDEAS

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DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.24
DRAWN BY:
JCP
CHECKED BY:
BDH
SHEET TITLE:

ELECTRICAL SYMBOLS LIST AND GENERAL NOTES

E001



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

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DRAWN BY:

JCP

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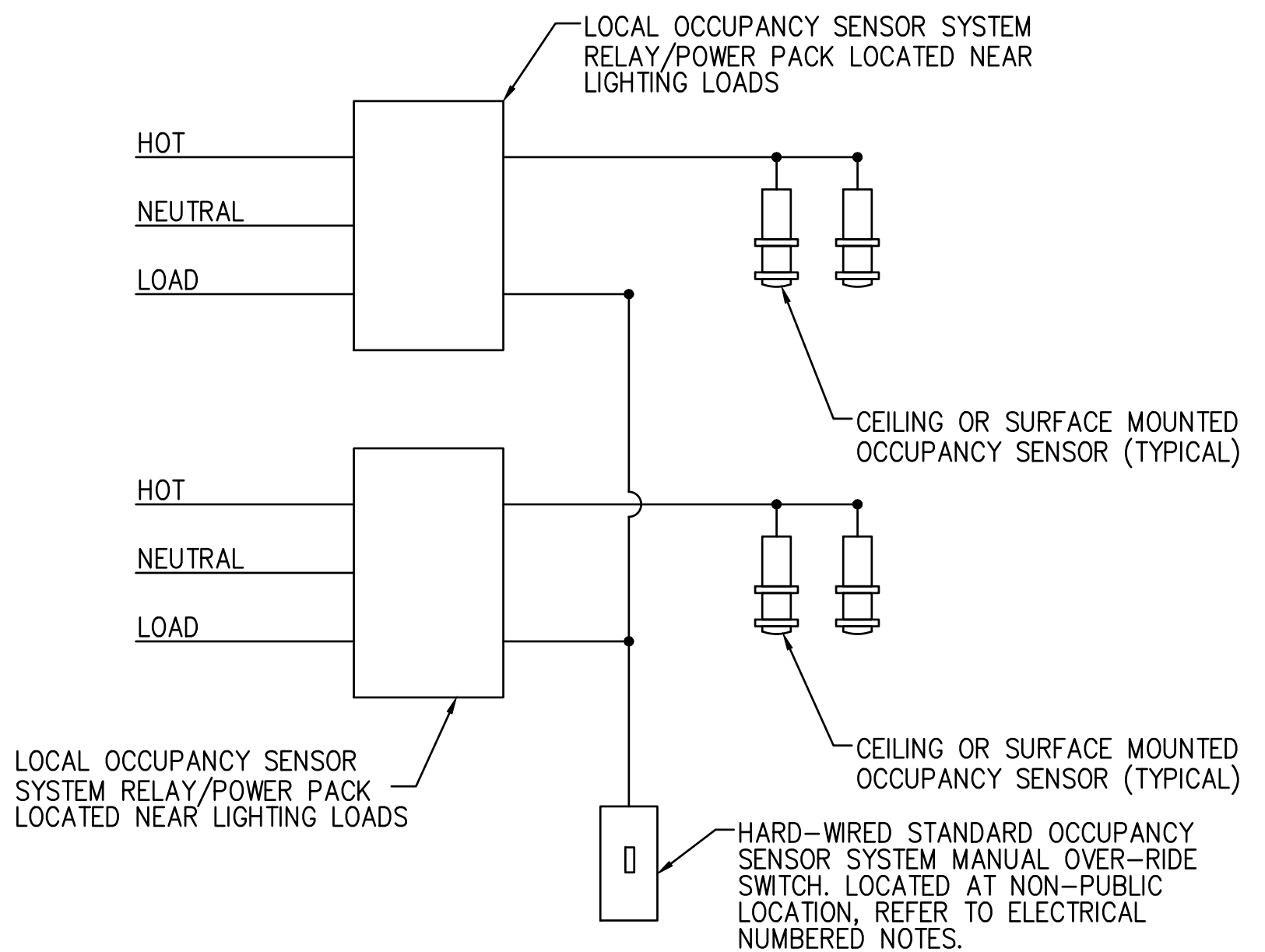
SHEET TITLE:

ELECTRICAL NUMBERED NOTES AND DETAILS

E002

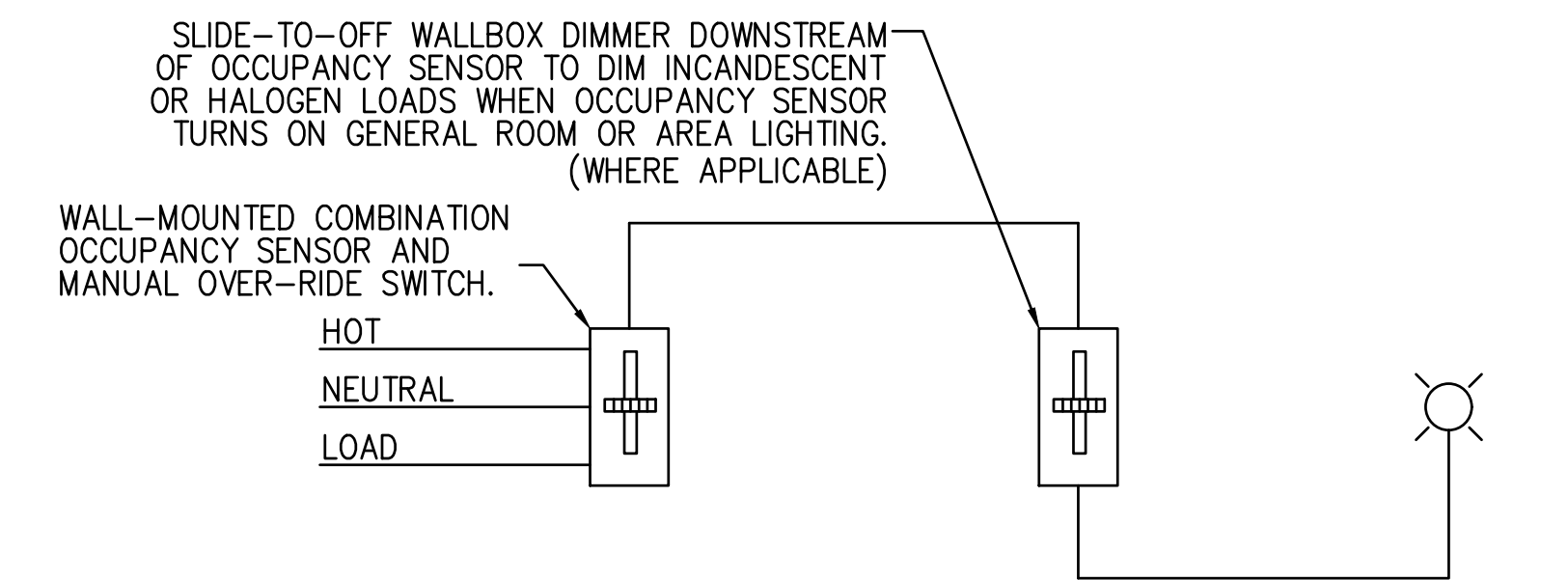
ELECTRICAL NUMBERED NOTES

- PROVIDE MOMENTARY MANUAL OVER-RIDE SWITCH INTERCONNECTED TO OCCUPANCY SENSOR SYSTEM TO CONTROL LIGHTING IN LOCAL ROOM/AREA. COORDINATE WITH INTERCONNECTION TO OCCUPANCY SENSOR CONTROL SYSTEM. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS AND SPECIFICATION SECTION 260936.
- PROVIDE ONE (1) JUNCTION BOX FOR MOTOR OPERATED DOOR AND ONE (1) JUNCTION BOX ADJACENT TO DOOR FOR UP/DOWN PUSHBUTTON. NOTE THERE IS AN INTERCONNECTION BETWEEN JUNCTION BOX ABOVE DOOR AND PUSHBUTTON CONTROL AND CARD READER ADJACENT TO DOOR. CONTRACTOR TO COORDINATE EXACT LOCATION AND WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. REFER TO PANEL SCHEDULES FOR CIRCUITING.
- WIREMOLD WALKERFLEX MODULAR WIRING SYSTEM FOR UNDERFLOOR POWER TO GAMING MACHINES. PROVIDE ONE(1) SIX(6)0-CIRCUIT, PREWIRED NDU-DISTRIBUTION CENTER UNDER FLOOR. PROVIDE MULTIPLE RECEPTACLE DISTRIBUTION UNITS TO FEED GAMES IN THIS AREA. COORDINATE FINAL QUANTITY OF RECEPTACLE WITH OWNER. MAXIMUM OF THREE(3) GAMING MACHINES PER CIRCUIT.
- PROVIDE FLOOR MOUNTED BOX UNDER RAISED FLOOR FOR DATA SERVICE TO GAMING MACHINES. PROVIDE EACH LOCATION WITH TWELVE(12) DATA JACKS. COORDINATE FINAL QUANTITIES OF DATA JACKS WITH OWNER.
- PROVIDE SMOKE DETECTOR UNDER RAISED FLOOR.
- JUNCTION BOX FOR FIRE ALARM CONTROL PANEL. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND., 1/2" C. PROVIDE BATTERY BACKUP AS REQUIRED. CONFIRM EXACT LOCATION WITH FIRE MARSHALL PRIOR TO INSTALLATION. PROVIDE AN INTERFACE PANEL AND ALL OTHER MISCELLANEOUS APPURTENANCES FOR INTERCONNECTION OF FIRE ALARM SYSTEM TO MONITORING SERVICE IN ACCORDANCE WITH APPLICABLE STANDARDS. INTERFACE PANEL SHALL BE COMPATIBLE FOR FIRE ALARM MONITORING AND SECURITY MONITORING. COORDINATE EXACT INTERFACE PANEL SPECIFICATION WITH OWNER PRIOR TO BID. PROVIDE DRY-CONTACT SIGNAL FROM FIRE ALARM CONTROL PANEL TO INTERFACE PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE OWNER.
- JUNCTION BOX FOR FM200 PREACTION CONTROL PANEL. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND., 1/2" C. PROVIDE BATTERY BACKUP AS REQUIRED. CONFIRM EXACT LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. PROVIDE DRY-CONTACT SIGNAL FOR INTERFACE TO FIRE ALARM CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE OWNER.
- PROVIDE JUNCTION BOX FOR ELECTRICAL CONNECTION TO FIRE ALARM REMOTE ANNUNCIATOR PANEL. PROVIDE INTERCONNECTION TO FIRE ALARM CONTROL PANEL FOR FIRE ALARM MONITORING. CONFIRM EXACT LOCATION WITH FIRE MARSHALL PRIOR TO INSTALLATION.
- PROVIDE 70A, 2-POLE RECEPTACLE FOR ELECTRICAL SERVICE TO SURVEILLANCE MDF DATA RACK. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION WITH OWNER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 3#4, 1#8 GND, 1 1/4" C.
- PROVIDE 40A, 1-POLE RECEPTACLE FOR ELECTRICAL SERVICE TO SURVEILLANCE MDF DATA RACK. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION WITH OWNER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#8, 1#10 GND, 3/4" C.
- PROVIDE 40A, 2-POLE RECEPTACLE FOR ELECTRICAL SERVICE TO SURVEILLANCE MDF DATA RACK. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION WITH OWNER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 3#8, 1#10 GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO AUTOMATIC DOOR OPENERS. CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO AUTOMATIC DOOR SENSOR. CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- FURNISH AND INSTALL JUNCTION BOX FOR EXHAUST HOOD FANS AND CONNECT TO CONTROL PANEL. PRIOR TO INSTALLATION VERIFY LOCATION AND SIZE WITH KITCHEN EQUIPMENT SUPPLIER. FEEDER TO BE 3 #10, 1 #10 GND., 3/4" C.
- FURNISH AND INSTALL JUNCTION BOX FOR EXHAUST HOOD FANS AND CONNECT TO CONTROL PANEL. PRIOR TO INSTALLATION VERIFY LOCATION AND SIZE WITH KITCHEN EQUIPMENT SUPPLIER. FEEDER TO BE 3 #12, 1 #12 GND., 3/4" C.
- FURNISH AND INSTALL JUNCTION BOXES FOR EXHAUST HOOD SYSTEMS TO INCLUDE FIRE PROTECTION AND TEMPERATURE SENSOR. ALL ELECTRICAL CONNECTIONS BENEATH EXHAUST HOOD TO EXTEND TO SHUNT TRIP BREAKERS WITHIN ELECTRICAL PANEL BOX FOR SHUT-DOWN DURING FIRE MODE. INTERCONNECT FIRE PROTECTION SYSTEM TO ELECTRICAL PANEL BOX BRANCH BREAKERS SHUNT TRIPS AND BUILDING ALARM SYSTEM. PRIOR TO INSTALLATION VERIFY LOCATION WITH KITCHEN EQUIPMENT DRAWINGS AND SUPPLIER.
- FURNISH AND INSTALL JUNCTION BOXES FOR EXHAUST HOOD SYSTEMS TO INCLUDE HOOD LIGHTS AND TEMPERATURE SENSOR. PRIOR TO INSTALLATION VERIFY LOCATION WITH KITCHEN EQUIPMENT DRAWINGS AND SUPPLIER. NOTE HOOD LIGHTS WILL BE ON SEPARATE CIRCUIT.
- FURNISH AND INSTALL JUNCTION BOX FOR CONTROL POWER TO WATER HEATER AND CONNECT WITH FLEXIBLE 3/4" C. CONTRACTOR TO COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR OF WATER HEATER AND CONTROL CONNECTION POINT.
- GFI RECEPTACLE FOR SUMP PUMP MOUNTED IN PIT. INSTALL IN ACCORDANCE WITH NEC SECTION 620 AND ASME REQUIREMENTS. VERIFY THE EXACT LOCATION PRIOR TO INSTALLATION.
- PROVIDE EMPTY CONDUITS WITH PULL STRING FOR COMMUNICATION SERVICE. COORDINATE EXACT LOCATION, SIZE AND QUANTITY WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. THE COMMUNICATION CONDUITS SHOULD BE COORDINATED WITH SECURITY CONTRACTOR. REFER TO SECURITY SHEET ES-100 FOR DETAILS.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO WALK IN FREEZER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 3#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO WALK IN FREEZER LIGHTS. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO WALK IN COOLER LIGHTS. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO WALK IN COOLER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO ICE MAKER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE FUSED DISCONNECT FOR ELECTRICAL SERVICE TO DISHWASHER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 4#6, 1#10GND, 1" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO FOOD WARMER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO DROP IN HOT FOOD WELL. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12, 1#12GND, 3/4" C.
- FURNISH AND INSTALL ONE (1) TWIST LOCK TYPE RECEPTACLE INSTALLED FLUSH IN CEILING, FOR CONNECTION TO KITCHEN EQUIPMENT, COORDINATE EXACT NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION, PROVIDE SUPPORT FOR RECEPTACLE BOX ACCORDINGLY. PROVIDE ONE (1) "SO" CORD TO WITH-IN 6"-0" FROM FINISHED FLOOR WITH 3#12 AND KELLUM GRIPS. ONE END OF THE CORD SHALL HAVE A PLUG, THE OTHER END SHALL HAVE A MATCHING RECEPTACLE REFER TO KITCHEN CONSULTANT'S DETAILS FOR FURTHER INFORMATION.
- PROVIDE JUNCTION BOX FOR ELECTRICAL SERVICE TO TEA BREWER. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH MANUFACTURER. CIRCUIT AS INDICATED. BRANCH CIRCUIT SHALL BE 3#12, 1#12GND, 3/4" C.



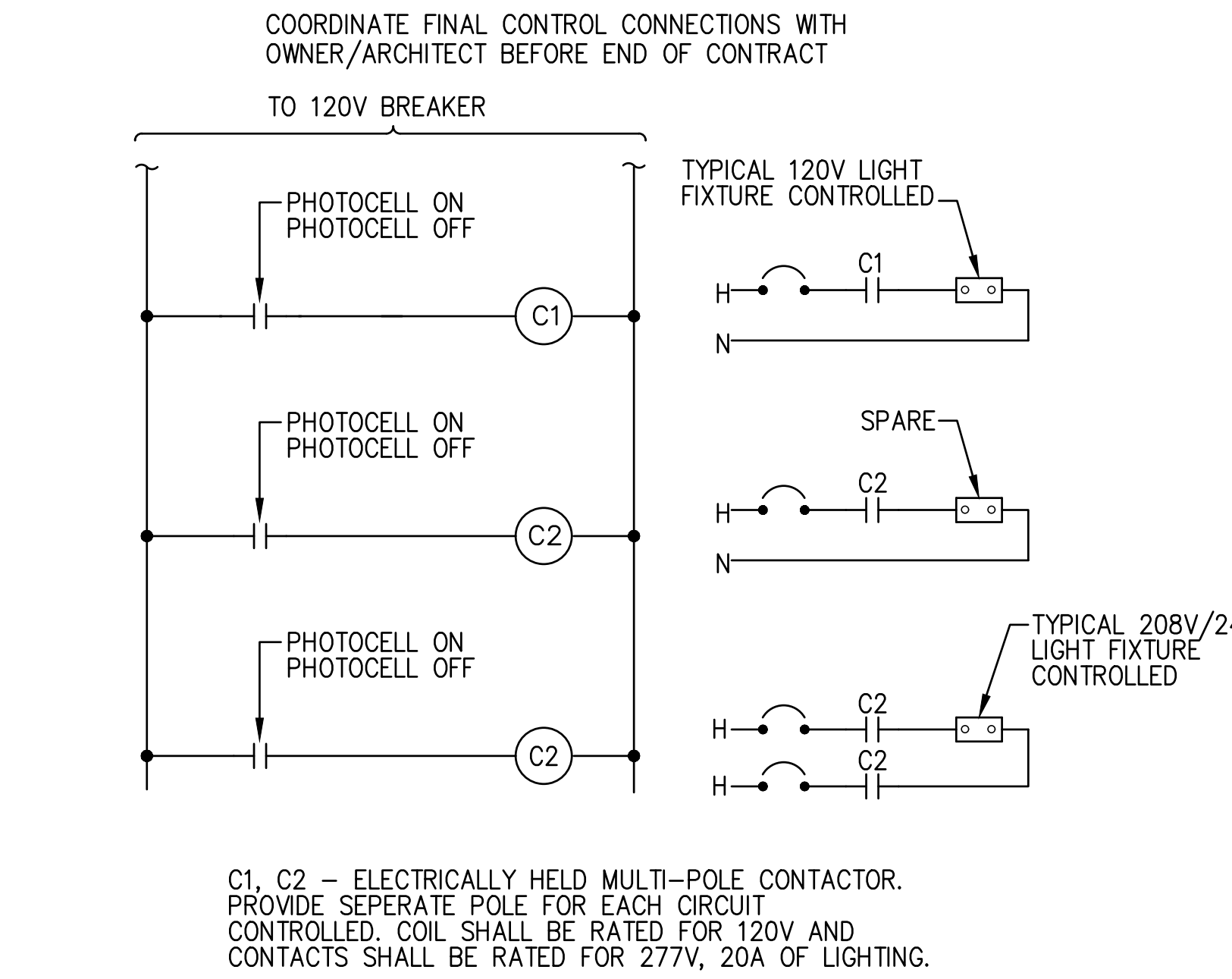
TYPICAL CORRIDOR/COMMON AREA OCCUPANCY SENSOR WIRING DIAGRAM

SCALE: NONE



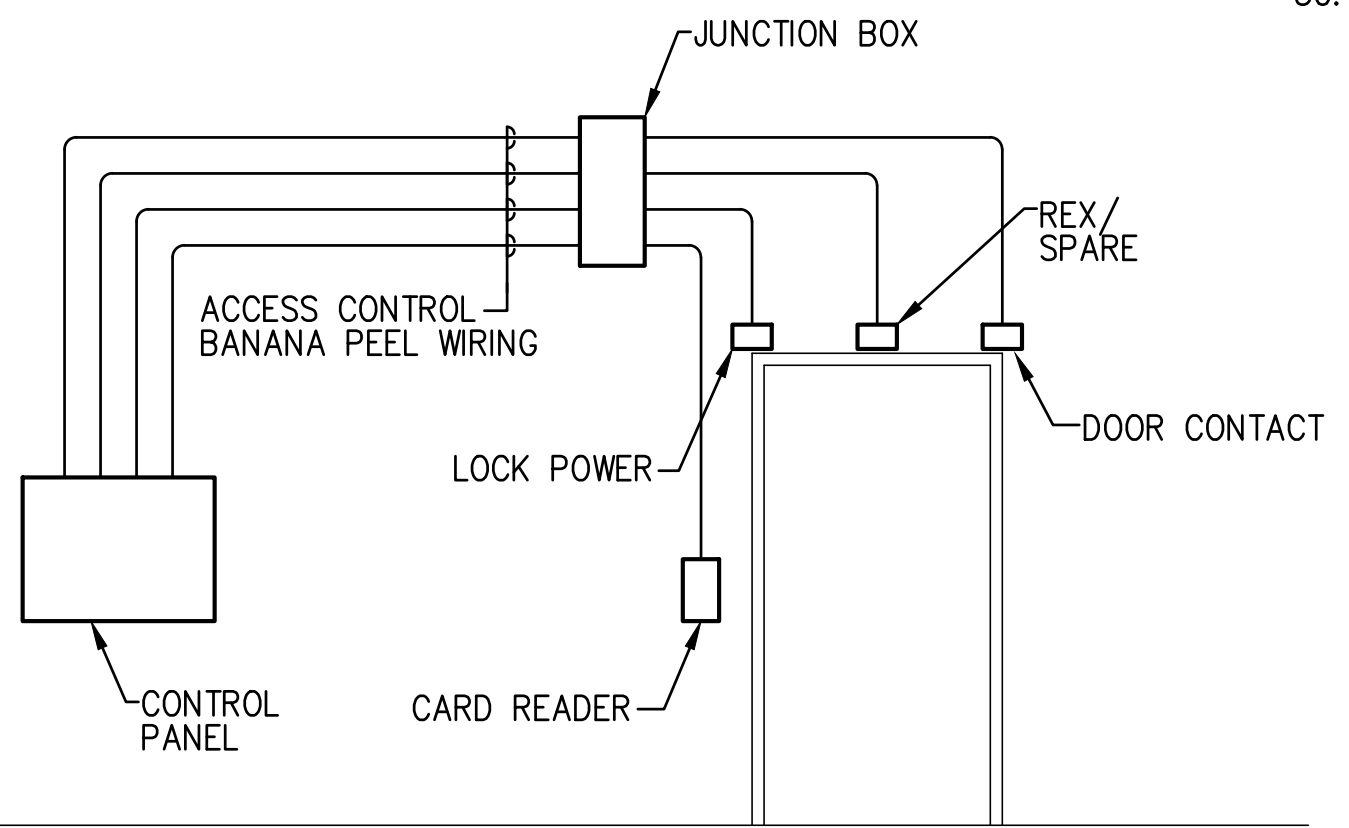
TYPICAL OFFICE WALL MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM

SCALE: NONE



TYPICAL - LIGHTING CONTROL SCHEMATIC

SCALE: NONE



ACCESS CONTROL DIAGRAM

SCALE: NONE

FIXTURE SCHEDULE			
TYPE	MANUFACTURER & CATALOG NUMBER	LAMP QUANTITY/TYPE	DESCRIPTION
A	WILLIAMS AT3 TROFFER AT3-2-4-40-8-35-P-DIM-UNV OR EQUAL BY LITHONIA, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	2' X 4' RECESSED, LED DIRECT/INDIRECT TROFFER, GRID CEILING MOUNTED WITH PERFORATED CENTER. FIXTURE SHALL BE FURNISHED WITH STATIC FUNCTION. PROVIDE WITH 3500K COLOR TEMPERATURE, 4000 LUMENS AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
B	LIGHTOLIER CALCULITE 4" GEN 3 4S-N-CAL-10-8-35-M-210-U (FRAME-N KIT) CA-S-CL-W-CC (TRIM-KIT) DMF DRD4 & SQUARE FRAME DRD4-N-JS-704-ORD4M-07-9-35-LS-W-K (FRAME-N KIT) DRD2-S-JS-Q-WH (TRIM-KIT) OR EQUAL BY LITHONIA, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	4" SQUARE RECESSED LED DOWNLIGHT WITH WHITE FINISH AND INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
C	CORONET PQ2 PERIMETER GLOW PQ2-X-X'-35-LOW-UNV-DB-W-N-2'RC-NA-NA-TAFSML-P005-25LF-35K-1C-UNV-LD1-WH OR EQUAL BY SIGNIFY, COOPER OR LITHONIA	LED FURNISHED WITH FIXTURE	RECESSED LINEAR LED FIXTURE MOUNTED ABOVE URINALS AND WATER CLOSETS. PROVIDE WITH 475 LUMENS/FOOT, 3500K COLOR TEMPERATURE, WHITE FINISH AND 277V OPERATION. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR MOUNTING LOCATIONS AND HEIGHT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
D	WILLIAMS AT3 TROFFER AT3-2-4-45-8-35-P-DIM-UNV OR EQUAL BY LITHONIA, SIGNIFY OR HE WILLIAMS	LED FURNISHED WITH FIXTURE	SAME AS FIXTURE TYPE BUT WITH 5500 LUMENS IN LIEU OF 4000.
E	SURELITES EURIEUS SERIES EUR-8-0-G OR EQUAL BY CHLORIDE OR LITHONIA	LED FURNISHED WITH FIXTURE	LED EXIT SIGN LIGHT. PROVIDE WITH GREEN LETTERS, WALL/CEILING MOUNT AS REQUIRED AND 277V OPERATION. PROVIDE SINGLE OR DOUBLE FACE AND DIRECTIONAL ARROWS AS SHOWN. FIXTURE TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. COORDINATE MOUNTING WITH ARCHITECT/ELECTRICAL PRIOR TO ORDERING AND INSTALLATION.
F	CALITE CTR FLAT PANEL AT3-2-4-40-8-35-P-DIM-UNV OR EQUAL BY LITHONIA, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	2' X 2' RECESSED, LED FLAT PANEL, GRID CEILING MOUNTED WITH OPAQUE WHITE ACRYLIC LENS. FIXTURE SHALL BE FURNISHED WITH STATIC FUNCTION. PROVIDE WITH 4000K COLOR TEMPERATURE, 3125 LUMENS AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
G	LITHONIA ZL1D SERIES ZL1D-4-48-5000LM-FST-MVOLT-40K-80CR-WH OR EQUAL BY SIGNIFY OR HE WILLIAMS	LED FURNISHED WITH FIXTURE	CEILING MOUNTED 4' LED STRIP. FIXTURE SHALL BE FURNISHED WITH WHITE FINISH AND INTEGRAL DRIVER. PROVIDE WITH 4000K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
H	HE WILLIAMS 75L STRIP 75L-4-LS0-6-35-DMA-DIM-UNV OR EQUAL BY SIGNIFY, LITHONIA OR COOPER	LED FURNISHED WITH FIXTURE	CEILING MOUNTED 4' LED STRIP. FIXTURE SHALL BE FURNISHED WITH WHITE FINISH AND INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
I	HE WILLIAMS 75L STRIP 75L-8L-76-8-35-DMA-DIM-UNV OR EQUAL BY SIGNIFY, LITHONIA OR COOPER	LED FURNISHED WITH FIXTURE	CEILING MOUNTED 8' LED STRIP. FIXTURE SHALL BE FURNISHED WITH WHITE FINISH AND INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.

FIXTURE SCHEDULE			
TYPE	MANUFACTURER & CATALOG NUMBER	LAMP QUANTITY/TYPE	DESCRIPTION
J	HE WILLIAMS 75L STRIP 75L-8L-100-8-35-DMA-DIM-UNV OR EQUAL BY SIGNIFY, LITHONIA OR COOPER	LED FURNISHED WITH FIXTURE	SAME AS FIXTURE TYPE I BUT IN LIEU OF 7600 LUMENS PROVIDE WITH 10000 LUMENS.
K	COOPER LIGHTING PORTFOLIO 6" SERIES LD8B-10-D010-EU8B-100-80-35 (FRAME-N KIT) 6LB-SW-2-L1 (TRIM-KIT) OR EQUAL BY GOTHAM, SIGNIFY OR HE WILLIAMS	LED FURNISHED WITH FIXTURE	6" RECESSED WALL WASH LED DOWNLIGHT WITH WHITE FINISH AND INTEGRAL DRIVER WITH 1000 LUMEN PACKAGE. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE.
L	HUBBELL LIGHTING BEACON VIPER LARGE VP-ST-4-162L-445-4K7-3-UNV-A-BLT TOP MOUNT STEEL POLE SSS-H-25-40-B-1-BLT-83 OR EQUAL BY COOPER, SLOANED OR PHILIPS	LED FURNISHED WITH FIXTURE	POLE MOUNTED LED FIXTURE ASSEMBLY WITH 25' 0" POLE AND TYPE 4W DISTRIBUTION. PROVIDE WITH 277V OPERATION, 52000 LUMENS AND BLACK FINISH. PROVIDE LIGHT POLE THAT IS COMPATIBLE TO RUN LOW VOLTAGE CABLE FOR SECURITY CAMERAS MOUNTED AT 2' A.F.F. REFER TO PLANS FOR LOCATIONS OF SECURITY CAMERAS. ALL CAMERA LOCATIONS TO HAVE 3" CONCRETE BASE WITH 10"X10"X5" RECESSED JUNCTION BOX. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT AT 70% LUMEN MAINTENANCE PER IESNA LM-79. INFORMATION SHALL INCLUDE LED POWER SUPPLY/DRIVER AND LED/MODULE MODEL NUMBERS. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
M	HUBBELL LIGHTING BEACON VIPER LARGE VP-ST-4-162L-445-4K7-3-UNV-A-BLT TOP MOUNT STEEL POLE SSS-H-25-40-B-1-BLT-83 OR EQUAL BY COOPER, SLOANED OR PHILIPS	LED FURNISHED WITH FIXTURE	SAME AS FIXTURE TYPE L BUT WITH TYPE 3 DISTRIBUTION IN LIEU OF TYPE 4 WIDE.
N	HUBBELL LIGHTING BEACON VIPER LARGE VP-ST-4-162L-445-4K7-50M-UNV-A-BLT TOP MOUNT STEEL POLE SSS-H-25-40-B-1-BLT-83 OR EQUAL BY COOPER, SLOANED OR PHILIPS	LED FURNISHED WITH FIXTURE	SAME AS FIXTURE TYPE L BUT WITH TYPE 5 SQUARE MEDIUM DISTRIBUTION IN LIEU OF TYPE 4 WIDE.
O	PURE EDGE PIX STICKS CURRUS PX2-D1-5W-399-35K OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	0.9" WIDE X 36" LONG CLUSTER OF FIVE LED STICKS PENDANT MOUNTED FIXTURE. EACH CLUSTER GROUP SHOULD HAVE VARYING CONFIGURATIONS TO VARY BETWEEN CLUSTERS. VERIFY FINISH WITH ARCHITECT PRIOR TO ORDERING. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. COORDINATE REMOTE POWER SUPPLY REQUIREMENTS WITH MANUFACTURER. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
P	CORONET L86 DIRECT L86-X'-35-LOW-UNV-DB-BLK-(ARMSTRONG)-FL-NA OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	RECESSED LED FIXTURE. VERIFY LENGTH WITH ARCHITECT'S LIGHTING PLAN. FINISH WITH 3500K COLOR TEMPERATURE, 611 LUMENS PER FOOT AND 277V OPERATION. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR MOUNTING LOCATIONS, HEIGHTS, AND LENGTHS. VERIFY FINISH WITH ARCHITECT. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
Q	ALPHABET ECO N14 N14-RA-SW-25LM-35K-80-550-NA-DL-WH-WH-NC-UNV-DIM10 OR EQUAL BY LITHONIA, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	4" ROUND ADJUSTABLE RECESSED LED DOWNLIGHT WITH INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE WITH WHITE TRIM AND WHITE BEZEL. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
R	COOPER LIGHTING PORTFOLIO SERIES LD8C-200D10-W-H OR EQUAL BY LITHONIA, SIGNIFY OR ALPHABET	LED FURNISHED WITH FIXTURE	6" RECESSED LED DOWNLIGHT WITH INTEGRAL DRIVER. PROVIDE WITH 2000 LUMENS, 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE WITH WET LOCATION LISTING. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE.

FIXTURE SCHEDULE			
TYPE	MANUFACTURER & CATALOG NUMBER	LAMP QUANTITY/TYPE	DESCRIPTION
S	ALPHABET BETA 6" CYLINDER BETA-6R-SW-80LM-35K-80-70N-UNV-10V-AC10-8K-8K OR EQUAL BY LITHONIA, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	6" CYLINDER PENDANT LED DOWNLIGHT WITH INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE. DMX CONTROL COMPATIBLE.
T	HE WILLIAMS 6CR 6.5" CYLINDER 6CR-TL-60-35-(CUSTOM POLISHED CHROME)-DIM1-UNV-R-PC OR EQUAL BY BETACALCO, SIGNIFY OR COOPER	LED FURNISHED WITH FIXTURE	6" DIAMETER X 6.5" HEIGHT CYLINDER PENDANT LED DOWNLIGHT WITH INTEGRAL DRIVER. PROVIDE WITH 3500K COLOR TEMPERATURE AND 277V OPERATION. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE. DMX CONTROL COMPATIBLE.
U	CORONET LS_CURVE-(CUSTOM RING)-35-MED-UNV-DB-CC_SILVER-AC180-FL-NA-CANBLK-SJBLK OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	CUSTOM ORDER OF THREE (3) INDEPENDENTLY CONTROLLED, CANTILEVERED, CONCENTRIC LED RING FIXTURES WITH ADJUSTABLE AIRCRAFT SUSPENSION AND DMX DRIVERS. REF 402 FOR DIMENSIONS OF INDIVIDUAL RINGS. CUSTOM SILVER FINISH ON ALL (3) RINGS. PROVIDE WITH 277V OPERATION. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
V	KLUS 4S-ALU EXTRUSION 17037-K-CR-1275-24V OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	LED TAPE LIGHT ON CUSTOMER SIDE OF BAR. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR MOUNTING LOCATIONS AND HEIGHT. VERIFY FINISH WITH ARCHITECT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE. DMX CONTROL COMPATIBLE.
W	KLUS PDS4-ALU EXTRUSION 17037-WP-K-CR-1275-24V OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	LED TAPE LIGHT ON EMPLOYEE SIDE OF BAR. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR MOUNTING LOCATIONS AND HEIGHT. VERIFY FINISH WITH ARCHITECT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE. DMX CONTROL COMPATIBLE.
X	KLUS PDS4-ALU EXTRUSION 17036-K-1920-RGB-W-24V OR ARCHITECT/ENGINEER APPROVED EQUAL	LED FURNISHED WITH FIXTURE	LED TAPE LIGHT FOR ALUMINUM FRAME AT EXTERIOR PERIMETER. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR MOUNTING LOCATIONS AND HEIGHT. VERIFY FINISH WITH ARCHITECT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.
Y	COOPER LIGHTING PORTFOLIO SERIES LD8C-40D10-M-H OR EQUAL BY LITHONIA, SIGNIFY OR ALPHABET	LED FURNISHED WITH FIXTURE	6" RECESSED LED DOWNLIGHT WITH INTEGRAL DRIVER. PROVIDE WITH 4000 LUMENS, 3500K COLOR TEMPERATURE AND 277V OPERATION. FIXTURE INDICATED AS 'unsw' TO BE CONNECTED TO NEAREST LIFE SAFETY BRANCH CIRCUIT. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE.
Z	LIGMAN VEKTER 2 LARGE SURFACE UVK-30004-540V-T4-W40-02-120/277V OR EQUAL BY LITHONIA, COOPER OR SIGNIFY	LED FURNISHED WITH FIXTURE	10" WIDE EXTERIOR WALL MOUNTED LED FIXTURE. PROVIDE WITH 8000 LUMENS, 4000K COLOR TEMPERATURE, TYPE 4 OPTICS, INTEGRAL 0-10 DIMMING DRIVER AND 277V OPERATION. FIXTURE FINISH, MOUNTING HEIGHTS AND LOCATIONS BY ARCHITECT. PROVIDE ONE (1) RELAY IN LIGHTING CONTROL RELAY PANEL FOR CONTROL OF EACH EXTERIOR LIGHTING CIRCUIT. PROVIDE FIXTURES MARKED AS 'unsw' WITH INTEGRAL BATTERY BACKUP. PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT. PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE. DIMMING DRIVER AND DIMMING CONTROL SHALL BE COMPATIBLE.

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Oklahoma Certificate of Authorization #CA1395
Renewal Date: 06.30.25

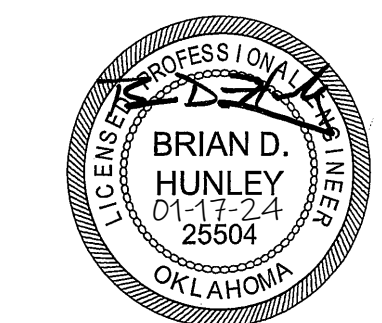


DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO
111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER: 2109-031
ISSUE: ISSUE 01: RE-BID CONSTRUCTION SET
DATE: 01.17.24
DRAWN BY: JCP
CHECKED BY: BDH
SHEET TITLE: ELECTRICAL FIXTURE SCHEDULE

E003



ALL CIRCUIT NUMBERS IN THIS AREA REFER TO 277V PANEL H1A, U.O.N.

ALL CIRCUIT NUMBERS IN THIS AREA REFER TO 277V PANEL H1F, U.O.N.



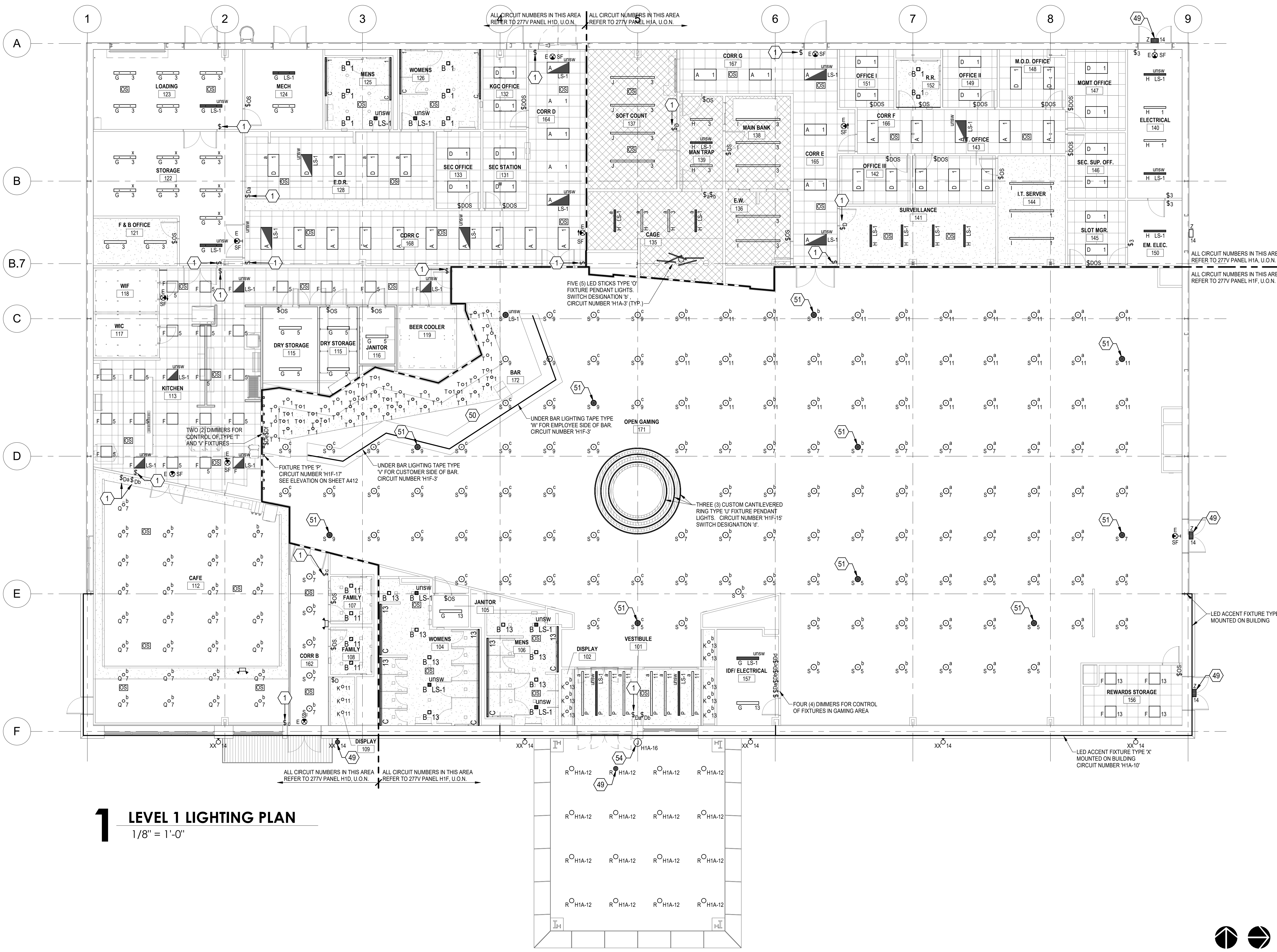
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KIOWA CASINO

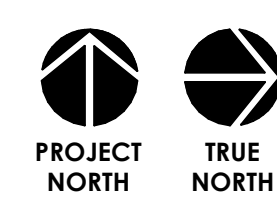
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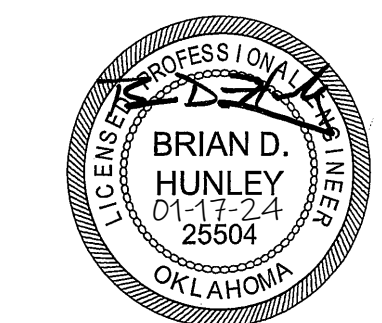
NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
DS
CHECKED BY:
BDH/RGS
SHEET TITLE:
LEVEL 1 LIGHTING PLAN



1 LEVEL 1 LIGHTING PLAN
1/8" = 1'-0"





DRAWN FOR:

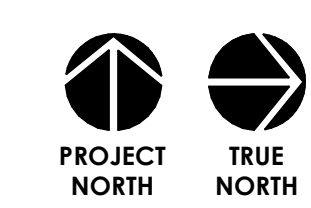
**KIOWA TRIBE
KIOWA CASINO**

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HOBART, OKLAHOMA 73651

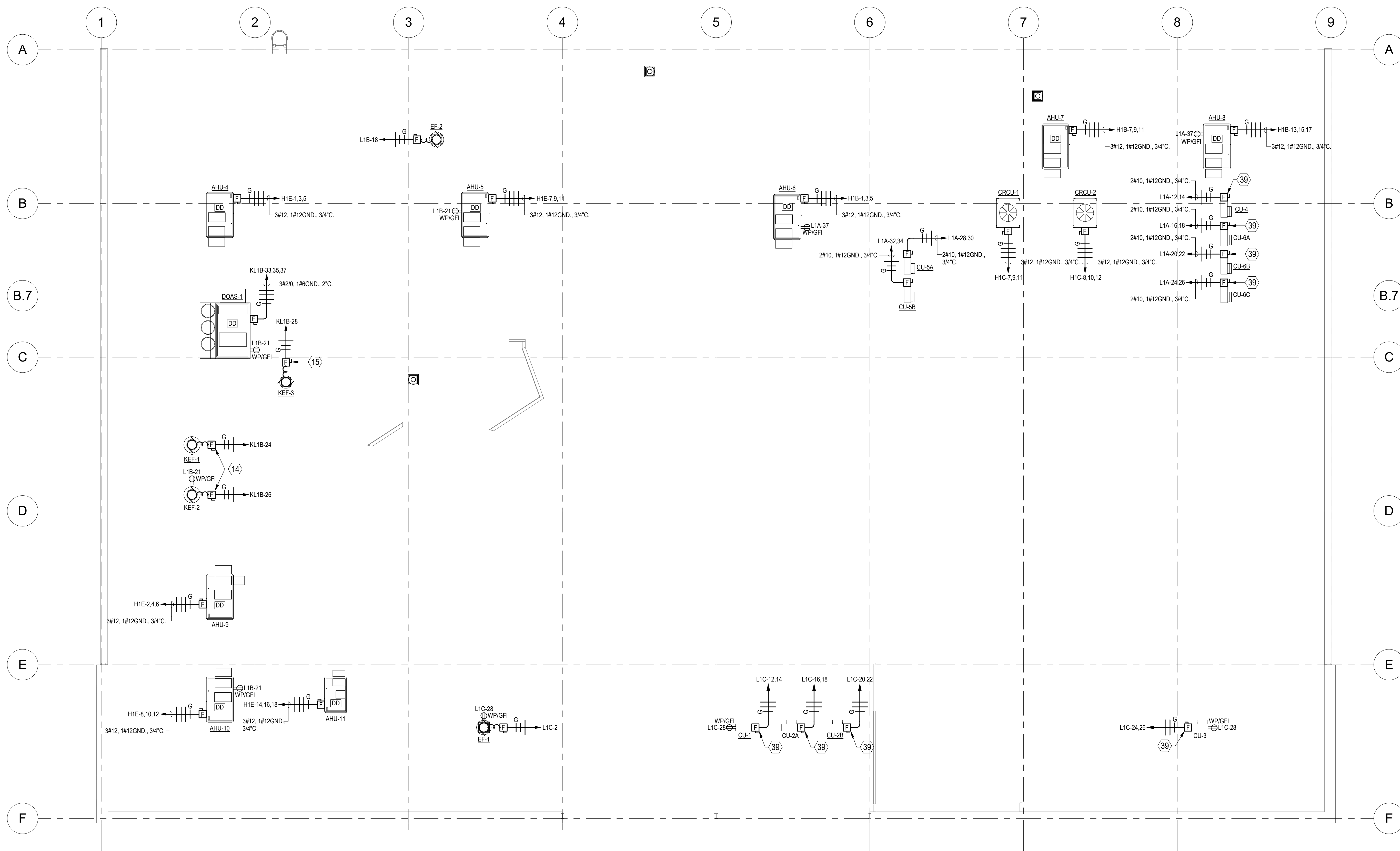
NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.2024
DRAWN BY:
DS
CHECKED BY:
BDH/RGS
SHEET TITLE:

ROOF POWER PLAN



E302



1 ROOF POWER PLAN
1/8" = 1'-0"

PROJECT: KIOWA CASINO-HOBART, OK												221119
PANEL: H1A												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
LIGHTS: OFFICES	1.6				20/1	1A2	LIGHTS: EXT. SITE WEST	2.2				20/1
LIGHTS: CAGE AREA	1.3				20/1	3B4	LIGHTS: EXT. SITE WEST	2.2				20/1
SPARE					20/1	506	LIGHTS: EXT. SITE EAST	2.7				20/1
SPARE					20/1	7A8	LIGHTS: EXT. SITE EAST	3.1				20/1
SPARE					20/1	9B10	LIGHTS: BUILDING ACCENT	1.3				20/1
SPARE					20/1	11C12	LIGHTS: CANOPY ACCENT	3.0				20/1
SPARE					20/1	13A14	LIGHTS: EXT. BUILDING	0.2				20/1
SPARE					20/1	15B16	LIGHTS: BUILDING SIGN	0.5				20/1
SPARE					20/1	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
TRANSFORMER T-1		12.6			50/3	37A38	PANEL H1B				12.0	200/3
TRANSFORMER T-1		12.6				39B40	PANEL H1B				12.0	
TRANSFORMER T-1		12.6				41C42	PANEL H1B				12.0	
TOTAL CONNECTED LIGHTING LOAD (LTG):						18.1	KVA	VOLTAGE: 480Y/277V, 3 PH. 4W.				
TOTAL CONNECTED RECEPTACLE LOAD (REC):						0.0	KVA	AMPERED IC (SYM): 42K AIC				
TOTAL CONNECTED MOTOR LOAD (MOT):						0.0	KVA	MOUNTING: SURFACE				
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC):						73.9	KVA					
LIGHTING LOAD WITH DF OF 125%:						22.6	KVA	TYPE:				
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%:						0.0	KVA	MAINS: 300A MAIN CIRCUIT BREAKER				
REMAINDER @ 50%:						0.0	KVA					
MOTOR LOAD WITH DF OF 125%:						0.0	KVA	FEEDER: REFER TO ONE LINE				
MISCELLANEOUS LOAD WITH DF OF 100%:						73.9	KVA					
TOTAL LOAD						96.5	KVA					
NOTES: FURNISH WITH THROUGH FEED LUGS.												

PROJECT: KIOWA CASINO-HOBART, OK												221119
PANEL: H1D												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
LIGHTS: OFFICES	0.9				20/1	1A2	SPARE					20/1
LIGHTS: LOADING, STOR.	0.5				20/1	3B4	SPARE					20/1
LIGHTS: KITCHEN AREA	0.7				20/1	506	SPARE					20/1
LIGHTS: CAFE 112	1.9				20/1	7A8	SPARE					20/1
LIGHTS: CORR A	2.5				20/1	9B10	SPARE					20/1
LIGHTS: CAFE TOILETS	0.1				20/1	11C12	SPARE					20/1
SPARE					20/1	13A14	SPARE					20/1
SPARE					20/1	15B16	SPARE					20/1
SPARE					20/1	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
TRANSFORMER T-2		7.2			50/3	37A38	PANEL H1E				17.5	125/3
TRANSFORMER T-2		7.2				39B40	PANEL H1E				17.5	
TRANSFORMER T-2		7.2				41C42	PANEL H1E				17.5	
TOTAL CONNECTED LIGHTING LOAD (LTG):						6.5	KVA	VOLTAGE: 480Y/277V, 3 PH. 4W.				
TOTAL CONNECTED RECEPTACLE LOAD (REC):						0.0	KVA	AMPERED IC (SYM): 42K AIC				
TOTAL CONNECTED MOTOR LOAD (MOT):						0.0	KVA	MOUNTING: SURFACE				
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC):						74.2	KVA					
LIGHTING LOAD WITH DF OF 125%:						8.2	KVA	TYPE:				
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%:						0.0	KVA	MAINS: 200A MAIN CIRCUIT BREAKER				
REMAINDER @ 50%:						0.0	KVA					
MOTOR LOAD WITH DF OF 125%:						0.0	KVA	FEEDER: REFER TO ONE LINE				
MISCELLANEOUS LOAD WITH DF OF 100%:						74.2	KVA					
TOTAL LOAD						82.4	KVA					
NOTES: FURNISH WITH THROUGH FEED LUGS.												

PROJECT: KIOWA CASINO-HOBART, OK												221119
PANEL: H1G												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
SPARE					20/1	1A2	SPARE					20/1
SPARE					20/1	3B4	SPARE					20/1
SPARE					20/1	506	SPARE					20/1
SPARE					20/1	7A8	SPARE					20/1
SPARE					20/1	9B10	SPARE					20/1
SPARE					20/1	11C12	SPARE					20/1
SPARE					20/1	13A14	SPARE					20/1
SPARE					20/1	15B16	SPARE					20/1
SPARE					20/1	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
PANEL GL1A		26.0			175/3	31A32	SPARE					20/1
PANEL GL1A		26.0				33B34	SPARE					20/1
PANEL GL1A		26.0				35C36	SPARE					20/1
PANEL GL1B		31.0			175/3	37A38	PANEL GL1C				28.0	175/3
PANEL GL1B		31.0				39B40	PANEL GL1C				28.0	
PANEL GL1B		31.0				41C42	PANEL GL1C				28.0	
TOTAL CONNECTED LIGHTING LOAD (LTG):						0.0	KVA	VOLTAGE: 480Y/277V, 3 PH. 4W.				
TOTAL CONNECTED RECEPTACLE LOAD (REC):						0.0	KVA	AMPERED IC (SYM): 42K AIC				
TOTAL CONNECTED MOTOR LOAD (MOT):						0.0	KVA	MOUNTING: SURFACE				
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC):						255.0	KVA					
LIGHTING LOAD WITH DF OF 125%:						0.0	KVA	TYPE:				
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%:						0.0	KVA	MAINS: 450A MAIN CIRCUIT BREAKER				
REMAINDER @ 50%:						0.0	KVA					
MOTOR LOAD WITH DF OF 125%:						0.0	KVA	FEEDER: REFER TO ONE LINE				
MISCELLANEOUS LOAD WITH DF OF 100%:						255.0	KVA					
TOTAL LOAD						255.0	KVA					
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK												221119
PANEL: H1B												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
AHU-6					20/3	1A2	SPARE					20/1
AHU-6					3/9	3B4	SPARE					20/1
AHU-6					3/9	506	SPARE					20/1
AHU-7					20/3	7A8	SPARE					20/1
AHU-7					3/9	9B10	SPARE					20/1
AHU-7					3/9	11C12	SPARE					20/1
AHU-8					15/3	13A14	SPARE					20/1
AHU-8					3/6	15B16	SPARE					20/1
AHU-8					3/6	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
SPARE					20/1	37A38	SPARE					20/1
SPARE					20/1	39B40	SPARE					20/1
SPARE					20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG):						0.0	KVA	VOLTAGE: 480Y/277V, 3 PH. 4W.				
TOTAL CONNECTED RECEPTACLE LOAD (REC):						0.0	KVA	AMPERED IC (SYM): 42K AIC				
TOTAL CONNECTED MOTOR LOAD (MOT):						0.0	KVA	MOUNTING: SURFACE				
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC):						36.1	KVA					
LIGHTING LOAD WITH DF OF 125%:						0.0	KVA	TYPE:				
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%:						0.0	KVA	MAINS: 200A MAIN CIRCUIT BREAKER				
REMAINDER @ 50%:						0.0	KVA					
MOTOR LOAD WITH DF OF 125%:						0.0	KVA	FEEDER: REFER TO ONE LINE				
MISCELLANEOUS LOAD WITH DF OF 100%:						36.1	KVA					
TOTAL LOAD						36.1	KVA					
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK												221119
PANEL: H1E												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
AHU-4					15/3	1A2	AHU-9				4.2	20/3
AHU-4					2/9	3B4	AHU-9				4.2	
AHU-4					2/9	506	AHU-9				4.2	
AHU-5					20/3	7A8	AHU-10				3.1	20/3
AHU-5					3/1	9B10	AHU-10				3.1	

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: L1A												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT: OFFICE 146, 147	1.3				20/1	1A2	EF-4				0.1	20/1
RECEPT: OFF.146, MGR.145	1.1				20/1	3B4	EF-3				0.2	20/1
RECEPT: OFFICE 148, 149	1.1				20/1	5C6	GARAGE OPENER				1.0	20/1
RECEPT: R.R. 152	0.4				20/1	7A8	CAMERA FIBER CONVERTER				1.0	20/1
RECEPT: OFFICE 149, 151	1.1				20/1	9B10	CAMERA FIBER CONVERTER				1.0	20/1
RECEPT: OFFICE 142, 143	0.9				20/1	11C12	CJ-4 / AC-4				2.1	30/2
RECEPT: OFFICE III 142	0.5				20/1	13A14	CJ-4 / AC-4				2.1	
RECEPT: CORR 165, 166	0.9				20/1	15B16	CJ-6A / AC-6A				1.6	25/2
RECEPT: E.W. 136	0.9				20/1	17C18	CJ-6A / AC-6A				1.6	
RECEPT: MAIN BANK 138	1.1				20/1	19A20	CJ-6B / AC-6B				1.6	25/2
RECEPT: SOFT COUNT 137	0.7				20/1	21B22	CJ-6B / AC-6B				1.6	
RECEPT: SOFT COUNT 137	0.7				20/1	23C24	CJ-6C / AC-6C				1.6	25/2
RECEPT: CAGE 135	0.5				20/1	25A26	CJ-6A / AC-6C				1.6	
RECEPT: CAGE 135	0.7				20/1	27B28	CJ-5A / AC-5A				2.1	30/2
RECEPT: CAGE 135	0.7				20/1	29C30	CJ-5A / AC-5A				2.1	
RECEPT: ELEC. 140	0.4				20/1	31A32	CJ-5B / AC-5B				2.1	30/2
WP/GI RECEPT: EXTERIOR	0.7				20/1	33B34	CJ-5B / AC-5B				2.1	
RECEPT: EXTERIOR	0.7				20/1	35C36	SPARE					20/1
RECEPT: ROOF MAINT.	0.7				20/1	37A38	SPARE					20/1
SPARE					20/1	39B40	SPARE					20/1
SPARE					20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG): 0.0 KVA												
TOTAL CONNECTED RECEPTACLE LOAD (REC): 15.1 KVA												
TOTAL CONNECTED MOTOR LOAD (MOT): 0.0 KVA												
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC): 25.2 KVA												
LIGHTING LOAD WITH DF OF 125%: 0.0 KVA												
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%: 10.0 KVA												
REMAINDER @ 50%: 2.6 KVA												
MOTOR LOAD WITH DF OF 125%: 0.0 KVA												
MISCELLANEOUS LOAD WITH DF OF 100%: 25.2 KVA												
TOTAL LOAD: 37.8 KVA												
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: ITL1												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT:	0.4				20/1	1A2	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	3B4	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	5C6	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	7A8	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	9B10	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	11C12	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	13A14	SPARE					20/1
RECEPT: SERVER EQUIP.	0.4				20/1	15B16	SPARE					15/1
SPARE					20/1	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
SPARE					20/1	37A38	SPARE					20/1
SPARE					20/1	39B40	SPARE					20/1
SPARE					20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG): 0.0 KVA												
TOTAL CONNECTED RECEPTACLE LOAD (REC): 2.9 KVA												
TOTAL CONNECTED MOTOR LOAD (MOT): 0.0 KVA												
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC): 0.0 KVA												
LIGHTING LOAD WITH DF OF 125%: 0.0 KVA												
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%: 2.9 KVA												
REMAINDER @ 50%: 0.0 KVA												
MOTOR LOAD WITH DF OF 125%: 0.0 KVA												
MISCELLANEOUS LOAD WITH DF OF 100%: 0.0 KVA												
TOTAL LOAD: 2.9 KVA												
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: L1B												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT: CORR 164, 168	0.7				20/1	1A2	UH-1				2.0	25/2
RECEPT: OFF 132, SEC 131	1.1				20/1	3B4	UH-1				2.0	
RECEPT: SEC 131, 133	1.1				20/1	5C6	UH-2				2.0	25/2
RECEPT: R.R. 125, 126	0.7				20/1	7A8	UH-2				2.0	
RECEPT: E.D.R. 128	0.4				20/1	9B10	UH-3				2.0	25/2
RECEPT: E.D.R. 128	0.4				20/1	11C12	UH-3				2.0	
RECEPT: MECH 124, LOAD 123	0.7				20/1	13A14	GARAGE OPENER				1.0	20/1
RECEPT: LOAD 123, STOR 122	0.5				20/1	15B16	EW-1				0.5	20/1
RECEPT: STORAGE 122	0.7				20/1	17C18	EF-2				0.3	20/1
RECEPT: FACILITIES 121	0.9				20/1	19A20	HVAC CONTROLS				0.5	20/1
RECEPT: ROOF MAINT.	0.5				20/1	21B22	HVAC CONTROLS				0.5	20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
SPARE					20/1	37A38	SPARE					20/1
SPARE					20/1	39B40	SPARE					20/1
SPARE					20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG): 0.0 KVA												
TOTAL CONNECTED RECEPTACLE LOAD (REC): 7.7 KVA												
TOTAL CONNECTED MOTOR LOAD (MOT): 0.0 KVA												
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC): 14.8 KVA												
LIGHTING LOAD WITH DF OF 125%: 0.0 KVA												
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%: 7.7 KVA												
REMAINDER @ 50%: 0.0 KVA												
MOTOR LOAD WITH DF OF 125%: 0.0 KVA												
MISCELLANEOUS LOAD WITH DF OF 100%: 14.8 KVA												
TOTAL LOAD: 22.6 KVA												
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: SECL1												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT:	0.5				20/1	1A2	RECEPT: SURVEILLANCE				0.4	40/1
RECEPT:	0.4				20/1	3B4	RECEPT: SURVEILLANCE				0.4	40/1
RECEPT: SURVEILLANCE	0.4				20/1	5C6	RECEPT: SURVEILLANCE				0.4	40/1
RECEPT: SURVEILLANCE	0.4				20/1	7A8	RECEPT: SURVEILLANCE				0.4	40/1
RECEPT: SURVEILLANCE	0.4				20/1	9B10	RECEPT: SURVEILLANCE				0.4	70/2
RECEPT: SURVEILLANCE	0.4				20/1	11C12	RECEPT: SURVEILLANCE				0.4	
RECEPT: SURVEILLANCE	0.4				20/1	13A14	RECEPT: SURVEILLANCE				0.4	70/2
RECEPT: SURVEILLANCE	0.4				20/1	15B16	RECEPT: SURVEILLANCE				0.4	
SPARE					20/1	17C18	SPARE					20/1
SPARE					20/1	19A20	SPARE					20/1
SPARE					20/1	21B22	SPARE					20/1
SPARE					20/1	23C24	SPARE					20/1
SPARE					20/1	25A26	SPARE					20/1
SPARE					20/1	27B28	SPARE					20/1
SPARE					20/1	29C30	SPARE					20/1
SPARE					20/1	31A32	SPARE					20/1
SPARE					20/1	33B34	SPARE					20/1
SPARE					20/1	35C36	SPARE					20/1
SPARE					20/1	37A38	SPARE					20/1
SPARE					20/1	39B40	SPARE					20/1
SPARE					20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG): 0.0 KVA												
TOTAL CONNECTED RECEPTACLE LOAD (REC): 5.9 KVA												
TOTAL CONNECTED MOTOR LOAD (MOT): 0.0 KVA												
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC): 0.0 KVA												
LIGHTING LOAD WITH DF OF 125%: 0.0 KVA												
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%: 5.9 KVA												
REMAINDER @ 50%: 0.0 KVA												
MOTOR LOAD WITH DF OF 125%: 0.0 KVA												
MISCELLANEOUS LOAD WITH DF OF 100%: 0.0 KVA												
TOTAL LOAD: 5.9 KVA												
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: L1C												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT: IDF/ELEC 157	0.4				20/1	1A2	RECEPT: SODA MACHINE				1.0	20/1
RECEPT: SURVEILLANCE					40/1	3B4	RECEPT: SODA MACHINE				1.0	20/1
RECEPT: SURVEILLANCE					40/1	5C6	SP-1				1.2	20/1
RECEPT: SURVEILLANCE					40/1	7A8	SP-2				1.2	20/1
RECEPT: SURVEILLANCE					40/1	9B10	EW-1				0.5	20/1
RECEPT: SURVEILLANCE					40/2	11C12	CJ-1 / AC-1				2.1	30/2
RECEPT: SURVEILLANCE					40/2	13A14	CJ-1 / AC-1				2.1	
RECEPT: SURVEILLANCE					40/2	15B16	CJ-2A / AC-2A				2.1	30/2
RECEPT: SURVEILLANCE					20/1	17C18	CJ-2A / AC-2A				2.1	
RECEPT: DISPLAY CASE	0.7				20/1	19A20	CJ-2B / AC-2B				2.1	30/2
RECEPT: DISPLAY CASE	0.7				20/1	21B22	CJ-2B / AC-2B				2.1	
SLIDING DOOR					1.0	20/1	23C24	CJ-3 / AC-3			0.9	15/2
SLIDING DOOR					1.0	20/1	25A26	CJ-3 / AC-3			0.9	
RECEPT: MEN, WOMEN	0.5				20/1	27B28	RECEPT: ROOF MAINT.			0.5		20/1
RECEPT: GAMING AREA	0.5				20/1	29C30	SPARE					20/1
RECEPT: GAMING AREA	0.5				20/1	31A32	SPARE					20/1
RECEPT: GAMING AREA	0.5				20/1	33B34	SPARE					20/1
RECEPT: GAMING AREA	0.5				20/1	35C36	SPARE					20/1
RECEPT: GAMING AREA	0.5				20/1	37A38	SPARE					20/1
RECEPT: GAMING AREA	0.7				20/1	39B40	SPARE					20/1
RECEPT: REWARDS	0.4				20/1	41C42	SPARE					20/1
TOTAL CONNECTED LIGHTING LOAD (LTG): 0.0 KVA												
TOTAL CONNECTED RECEPTACLE LOAD (REC): 6.7 KVA												
TOTAL CONNECTED MOTOR LOAD (MOT): 0.0 KVA												
TOTAL CONNECTED MISCELLANEOUS LOAD (MISC): 21.2 KVA												
LIGHTING LOAD WITH DF OF 125%: 0.0 KVA												
RECEPTACLE LOAD - FIRST 10KVA DF @ 100%: 6.7 KVA												
REMAINDER @ 50%: 0.0 KVA												
MOTOR LOAD WITH DF OF 125%: 0.0 KVA												
MISCELLANEOUS LOAD WITH DF OF 100%: 21.2 KVA												
TOTAL LOAD: 27.8 KVA												
NOTES:												

PROJECT: KIOWA CASINO-HOBART, OK										221119		
PANEL: SECL1												
SERVICE	LTG	REC	MOT	MISC	CB	#PH#	SERVICE	LTG	REC	MOT	MISC	CB
RECEPT:	0.5				20/1	1A2	RECEPT: SURVEILLANCE				0.4	40/1
RECEPT:	0.4				20/1	3B4	RECEPT: SURVEILLANCE					



DRAWN FOR:
KIOWA TRIBE
KIOWA CASINO

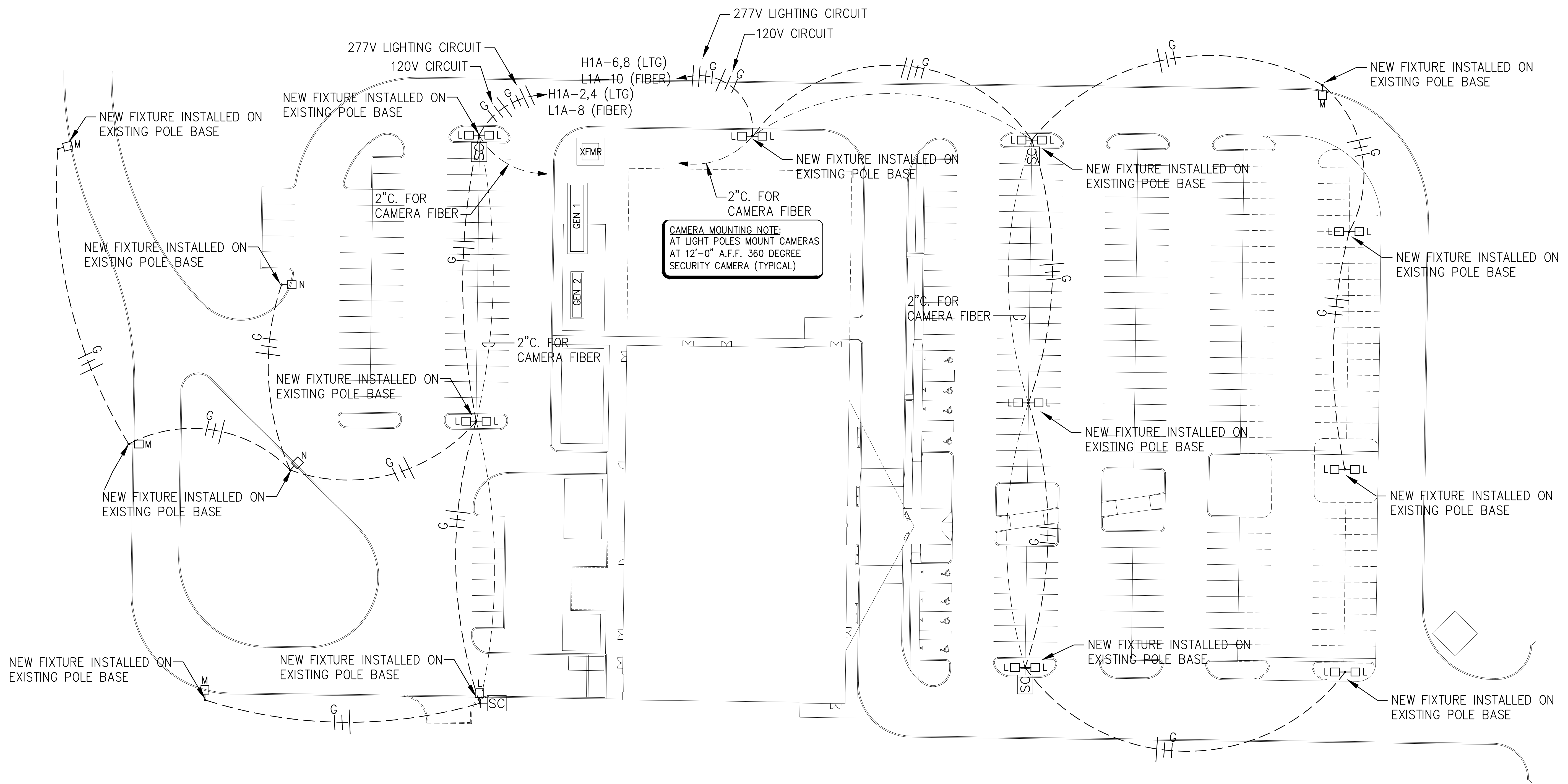
111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:
2109-031
ISSUE:
ISSUE 01: RE-BID CONSTRUCTION SET
DATE:
01.17.24
DRAWN BY:
JCP
CHECKED BY:
BDH
SHEET TITLE:

ELECTRICAL SITE PLAN

E501



CAMERA MOUNTING NOTE:
AT LIGHT POLES MOUNT CAMERAS
AT 12'-0" A.F.F. 360 DEGREE
SECURITY CAMERA (TYPICAL)

A ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"
NORTH



DRAWN FOR:

KIOWA TRIBE
KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

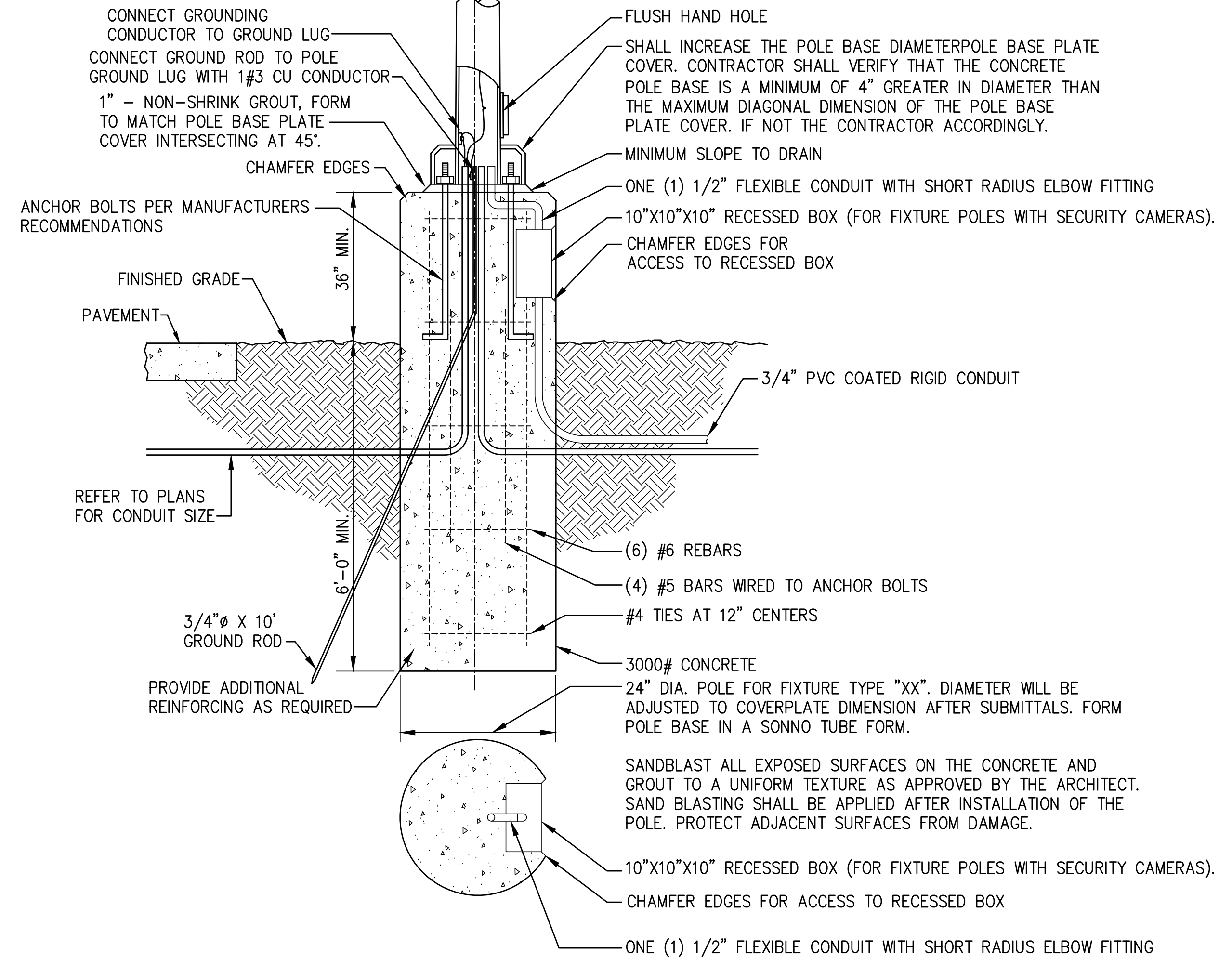
NO.	REVISION	DATE

PROJECT NUMBER:
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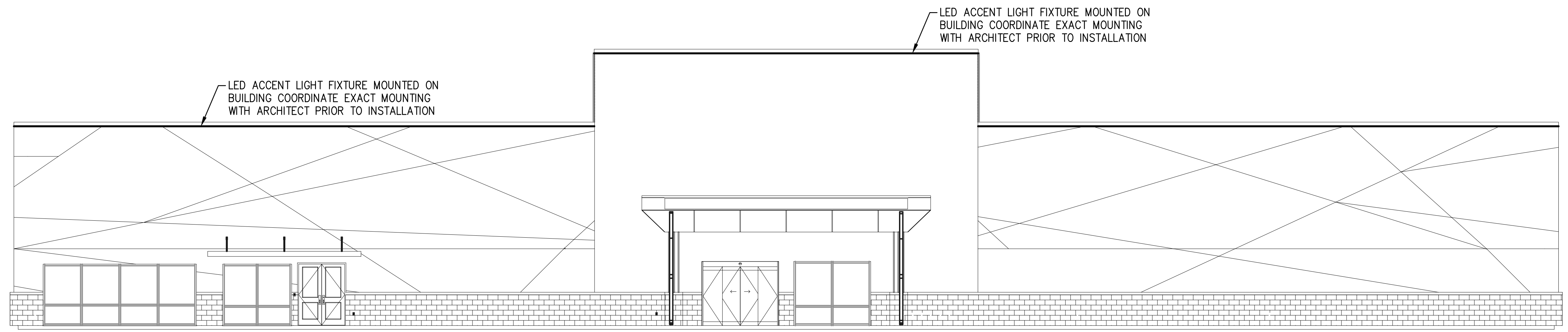
FIXTURE POLE MOUNTING DETAILS

E502

- NOTES:
1. REFER TO FIXTURE SCHEDULE FOR FIXTURE AND PLANS.
2. STAKE EACH LOCATION OF POLE BASE AND GET APPROVAL FROM ARCHITECT OR ENGINEER PRIOR TO INSTALLATION.



A **FIXTURE POLE MOUNTING DETAIL**
SCALE: NONE





DRAWN FOR:

KIOWA TRIBE

KIOWA CASINO

111 EAST 3RD STREET
HOBART, OKLAHOMA 73651

NO.	REVISION	DATE

PROJECT NUMBER:

2109-031

ISSUE:

ISSUE 01: RE-BID CONSTRUCTION SET

DATE:

01.17.24

DRAWN BY:

JCP

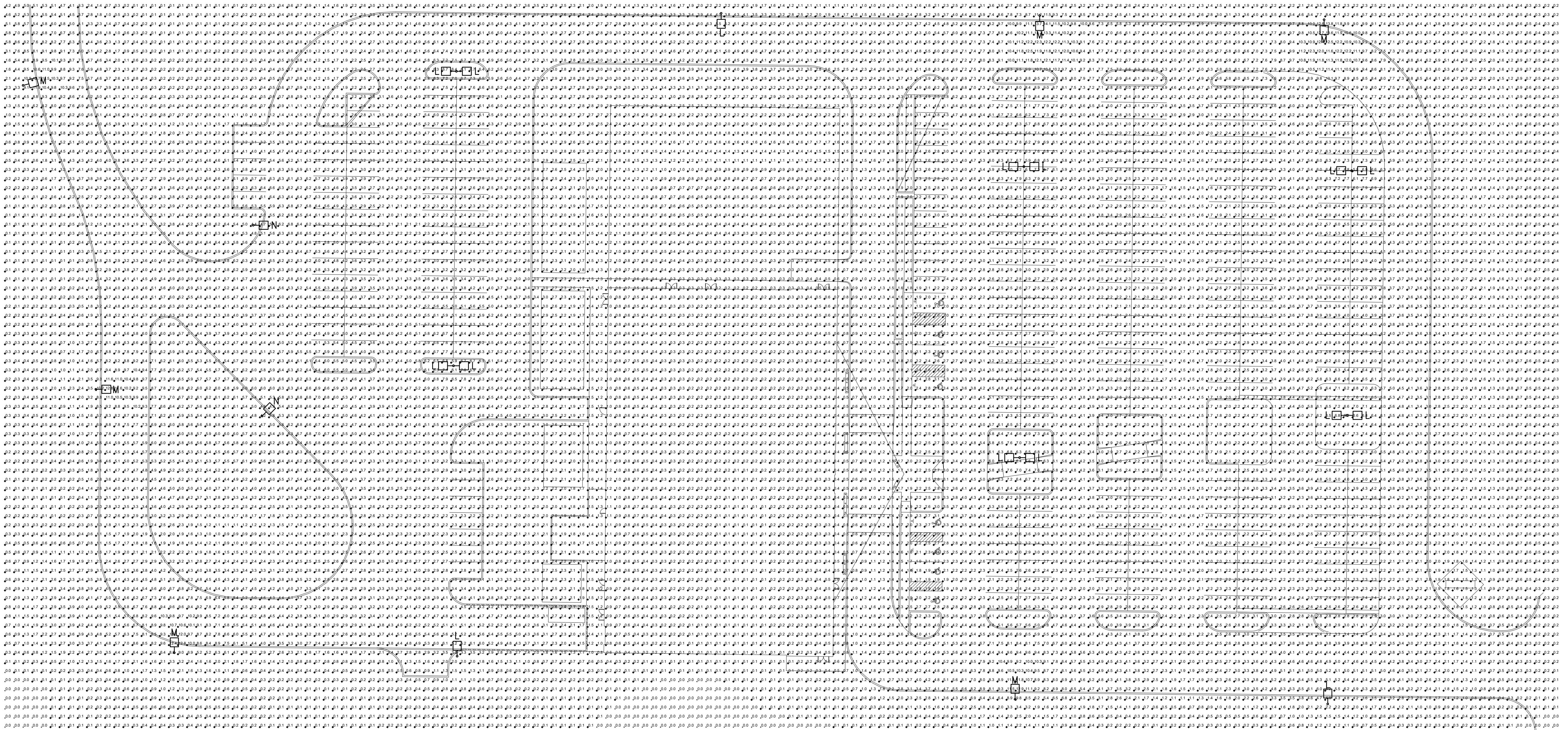
CHECKED BY:

BDH

SHEET TITLE:

**ELECTRICAL SITE
LIGHTING CALCULATION
PLAN**

E503



A ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"
NORTH

FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NUMBER	LAMP QUANTITY/TYPE MANUFACTURER	DESCRIPTION
L	BEACON VIPER AREA/SITE VP-ST-4-162L-445- 4K7-4W-UNV-A-BLT	LED FURNISHED WITH FIXTURE	POLE-MOUNTED LED FIXTURE ASSEMBLY WITH 25' POLE AND TYPE 4W DISTRIBUTION. PROVIDE WITH 46,355 LUMENS, 4000K COLOR TEMPERATURE, INTEGRAL DRIVER AND 277V OPERATION. VERIFY FIXTURE, POLE AND POLE BASE COVER FINISH WITH ARCHITECT.
	TOP MOUNT STEEL POLE SSS-H-25-40-B-1/2- BLT-B3		PROVIDE DOCUMENTATION FROM FIXTURE MANUFACTURER FOR THE FIELD REPLACEABLE LED LAMPS OR LED LAMP MODULES FOR FUTURE LED LAMP REPLACEMENT.
M	VP-ST-4-162L-445- 4K7-3-UNV-A-BLT	LED FURNISHED WITH FIXTURE	SAME FIXTURE AS TYPE L BUT IN LIEU OF TYPE 4W DISTRIBUTION PROVIDE WITH TYPE 3 AND 52,858 LUMENS.
N	VP-ST-4-162L-445- 4K7-5QM-UNV-A-BLT	LED FURNISHED WITH FIXTURE	SAME FIXTURE AS TYPE L BUT IN LIEU OF TYPE 4W DISTRIBUTION PROVIDE WITH TYPE 5QM AND 52,921 LUMENS.

LIGHTING CALCULATION

ZONE	AVERAGE	MAX	MIN	AVERAGE/MIN
OVERALL	4.0	14.0	0.3	13.3:1
WEST	3.9	8.0	1.1	3.5:1
EAST	3.9	14.0	0.4	9.8:1

PROVIDE FIVE (5) YEAR MINIMUM COMPLETE MATERIALS AND LABOR REPLACEMENT WARRANTY FOR LIGHT FIXTURE.