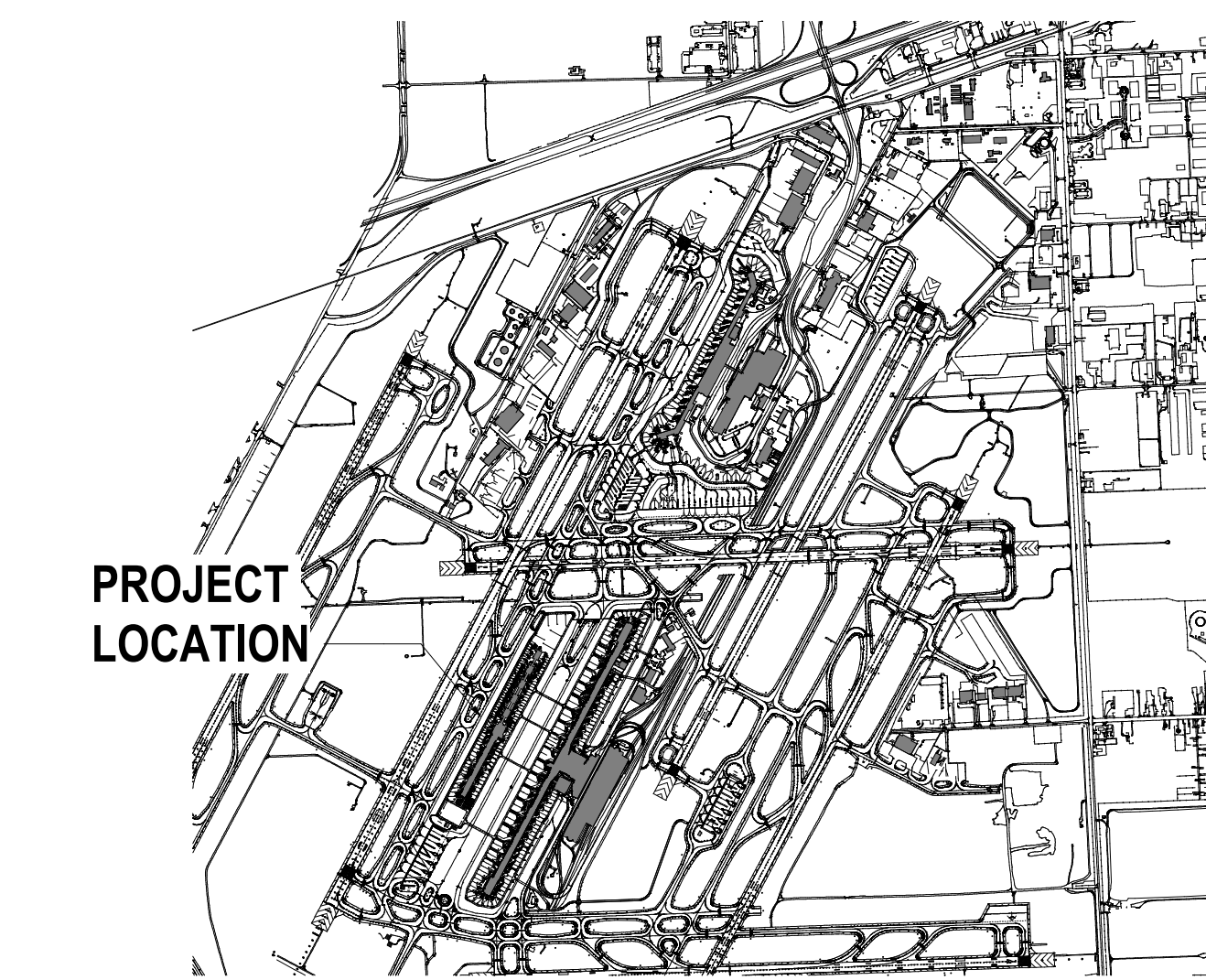




LOCATION MAP



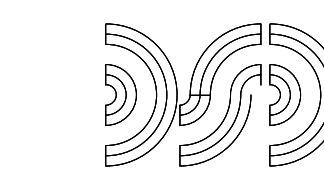
VICINITY MAP



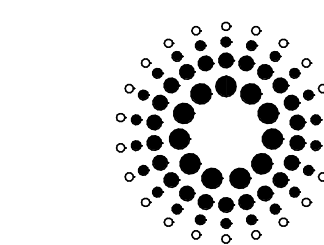
Gensler

1265 Griswold
Detroit, MI 48226
United States

Tel 313.965.1600
Fax 313.965.8060



MEP ENGINEER
DiClemente Siegel Design Inc.
28105 Greenfield Road
Southfield, Michigan 48076-3046
Tel 248.569.1430



ARCHITECTURAL LIGHTING DESIGN
Domingo Gonzalez Associates
29 Broadway, 3rd Floor
New York, NY 10006
Tel 212.608.4800

Wayne County Airport Authority

Ticketing Hall Restroom

Solicitation Number: 26-04173
WCAA Project Number: MT914

ISSUED FOR BID

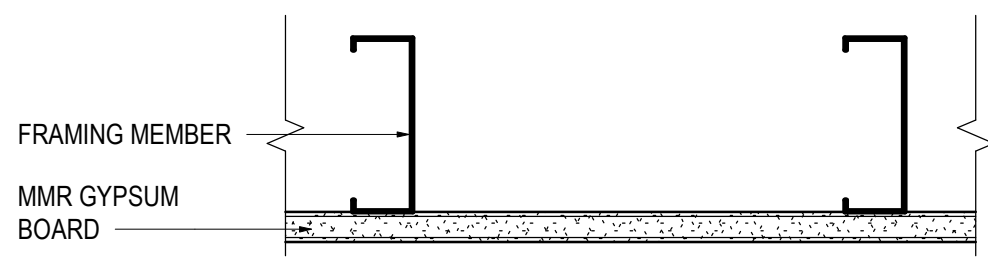
07/16/2026

Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242

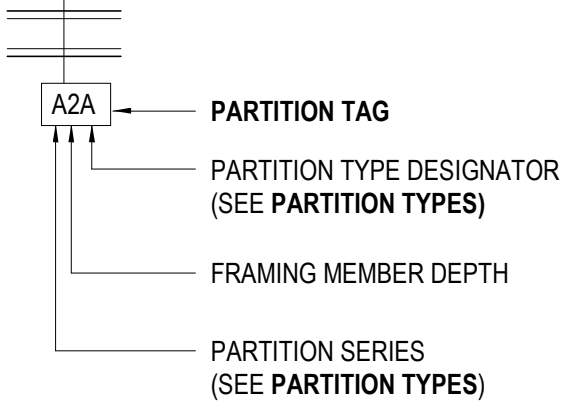
SECURITY SENSITIVE INFORMATION

"WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT "THE NEED TO KNOW" AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520."

PARTITION TYPES AND NOTES

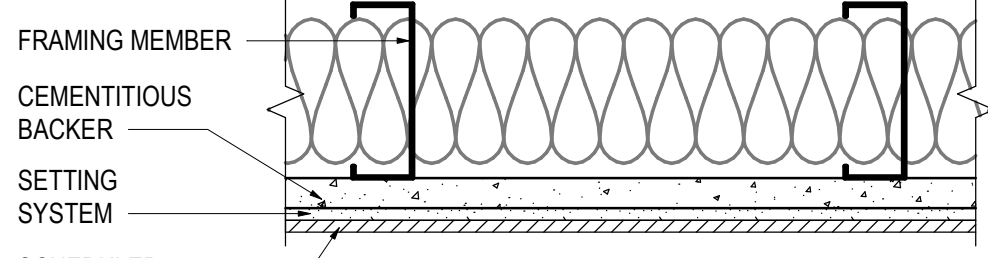


TA SERIES PARTITION TYPES
TAG - 6" STUD DEPTH, SPACED AT 16" OC
TAG - 3/8" STUD DEPTH (SHOWN), SPACED AT 16" OC
DESCRIPTION:
ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD ON METAL FRAMING MEMBER

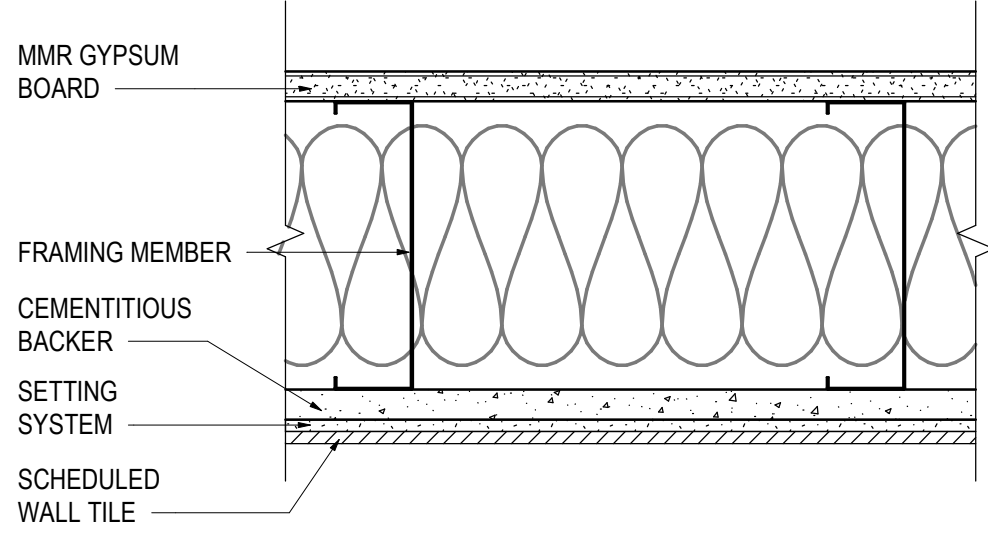


GENERAL PARTITION NOTES

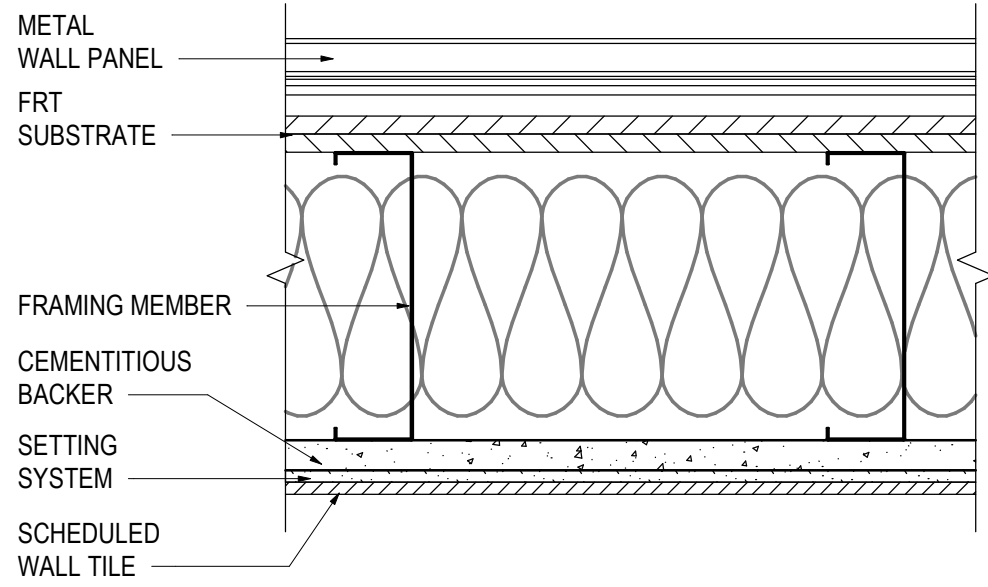
GN-01. PARTITION TYPES ARE NOT SEQUENTIAL.
GN-02. ALL PARTITION SHEATHING TO BE 5/8" MOLD & MOISTURE-RESISTANT (MMR) GYPSUM BOARD UNLESS OTHERWISE NOTED.
- FOR TILE SUBSTRATE IN WET AREAS: 5/8" CEMENTITIOUS BACKER BOARD IS TO BE USED
- FOR ALL OTHER WET AREAS (IE RESTROOMS, JANITOR CLOSET, ETC) PROVIDE MOLD & MOISTURE-RESISTANT GYPSUM BOARD
GN-03. CONTRACTOR TO RE-CONFIRM STUD SIZING AND SUBMIT SELECTION CRITERIA FOR REVIEW INCLUDING DELINEATION OF SLAB TO UNDERSIDE OF SLAB INFORMATION
GN-04. ALL PARTITIONS SHALL BE COORDINATED WITH SCHEDULED FINISHES FOR PARTITION LAYOUT AND REQUIRED CLEARANCES.
GN-05. PROVIDE FIRE-TREATED BLOCKING IN PARTITIONS FOR MILLWORK, FIXTURES AND ACCESSORIES. SEE CONSTRUCTION PLANS, INTERIOR ELEVATIONS FOR LOCATIONS AND SECTION DETAILS FOR ADDITIONAL INFORMATION
GN-06. FOR INTERIOR FRAMING LIMITING HEIGHTS REFER TO SSMA TABLES FOR INTERIOR NON-STRUCTURAL NON-COMPOSITE PARTITIONS
GN-07. REFER TO STRUCTURAL DOCUMENTS FOR ENGINEERING REQUIREMENTS FOR ALL METAL FRAMING AND PROJECT CRITERIA AND EXPECTATIONS FOR DELEGATED DESIGN
GN-08. PROVIDE SOUND-ATTENUATING BATT INSULATION WITHIN THE WALL CAVITY AT ALL PARTITIONS SURROUNDING THE TWO FAMILY RESTROOMS
GN-09. EXTEND ALL WALL SUBSTRATE A MINIMUM 6" BEYOND THE DESIGNATED CEILING FINISH UNLESS NOTED OTHERWISE



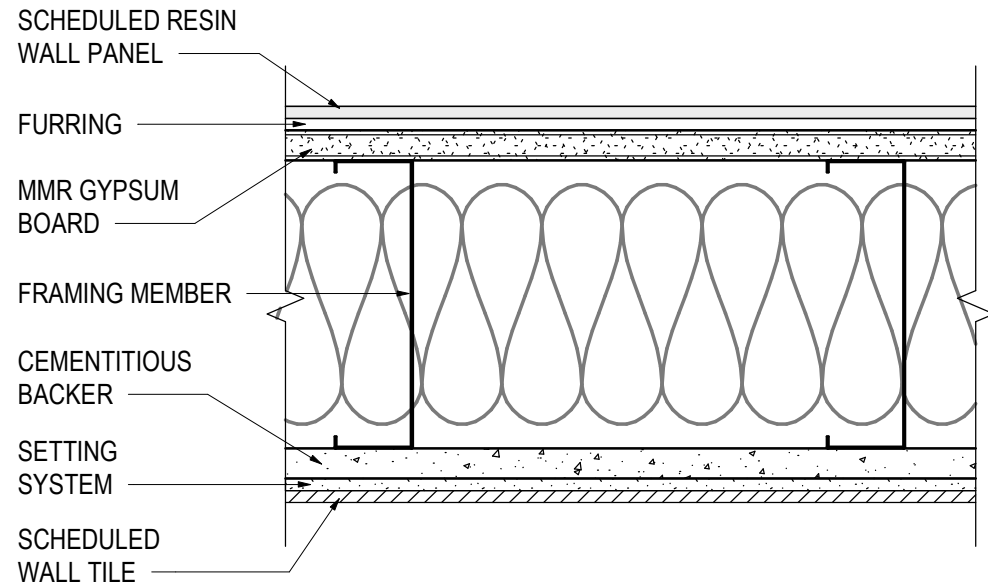
TB SERIES PARTITION TYPES
TB3 - 6" STUD DEPTH, SPACED AT 16" OC
TB3 - 3/8" STUD DEPTH (SHOWN), SPACED AT 16" OC
DESCRIPTION:
SCHEDULED WALL TILE ON SETTING SYSTEM ON 5/8" CEMENTITIOUS BACKER BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD
PROVIDE SOUND-ATTENUATING BATT INSULATION AT RESTROOM DEMISING PARTITIONS



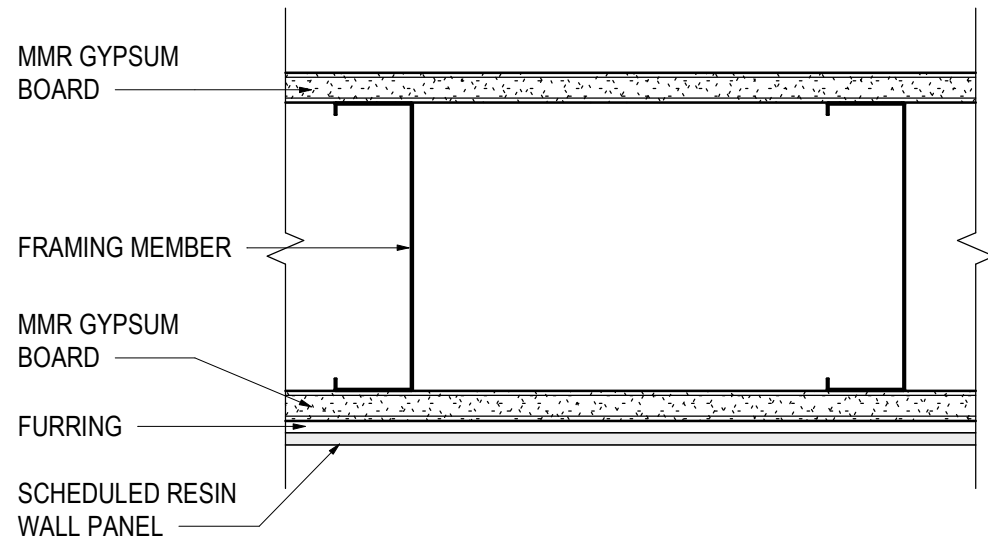
TC SERIES PARTITION TYPES
TC3 - 6" STUD DEPTH, SPACED AT 16" OC
DESCRIPTION:
SCHEDULED WALL TILE ON SETTING SYSTEM ON 5/8" CEMENTITIOUS BACKER BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD
PROVIDE SOUND-ATTENUATING BATT INSULATION AT RESTROOM DEMISING PARTITIONS



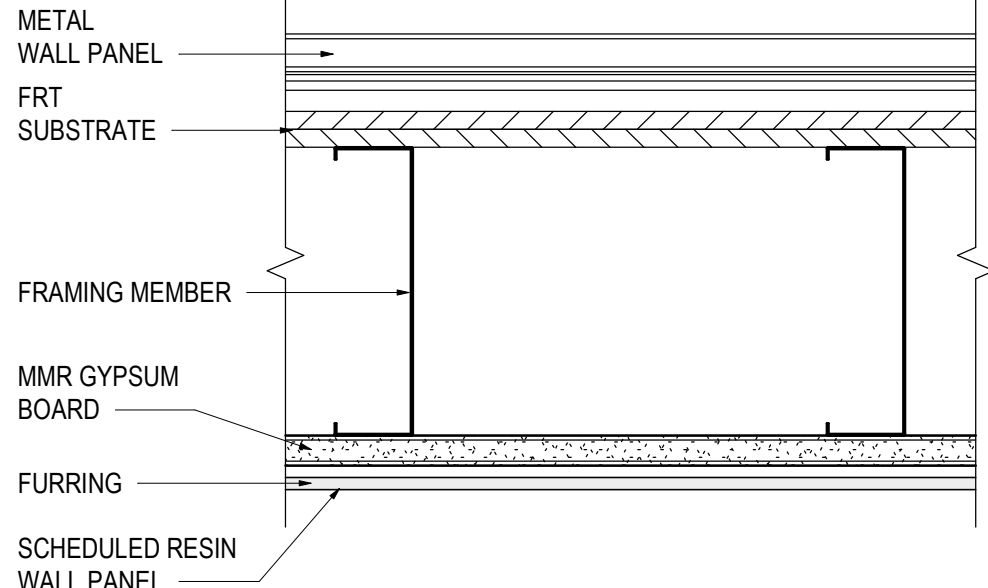
TD SERIES PARTITION TYPES
TD6 - 6" STUD DEPTH
DESCRIPTION:
SCHEDULED WALL TILE ON SETTING SYSTEM ON 5/8" CEMENTITIOUS BACKER BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 3/4" FRP WOOD SUBSTRATE WITH SCHEDULED METAL WALL PANEL SYSTEM
PROVIDE SOUND-ATTENUATING BATT INSULATION AT RESTROOM DEMISING PARTITIONS



TE SERIES PARTITION TYPES
TE6 - 6" STUD DEPTH, SPACED AT 16" OC
DESCRIPTION:
SCHEDULED WALL TILE ON SETTING SYSTEM ON 5/8" CEMENTITIOUS BACKER BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD
PROVIDE SOUND-ATTENUATING BATT INSULATION AT RESTROOM DEMISING PARTITIONS



TF SERIES PARTITION TYPES
TF6 - 6" STUD DEPTH, SPACED AT 16" OC
DESCRIPTION:
SCHEDULED DIRECT-APPLIED RESIN WALL PANEL ON FURRING STRIPS AT 8" OC ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD



TG SERIES PARTITION TYPES
TG6 - 6" STUD DEPTH, SPACED AT 16" OC
DESCRIPTION:
SCHEDULED DIRECT-APPLIED RESIN WALL PANEL ON FURRING STRIPS AT 8" OC ON ONE LAYER OF 5/8" MOLD & MOISTURE-RESISTANT GYPSUM BOARD ON METAL FRAMING MEMBER ON ONE LAYER OF 3/4" FRP WOOD SUBSTRATE WITH SCHEDULED METAL WALL PANEL SYSTEM

PROJECT INFORMATION

PROJECT ADDRESS: MCNAMARA TERMINAL, WAYNE COUNTY AIRPORT AUTHORITY
OCCUPANCY TYPE: A-3 (PUBLIC AREAS SERVED BY TOILET ROOMS IN PROJECT SCOPE)
CONSTRUCTION TYPE: 1B (ASSUMED)
FIRE PROTECTION SYSTEM: PER NFPA 13 (EXISTING)
NUMBER OF STORIES ABOVE GRADE: 4
AREA OF WORK: NEW PUBLIC FACING TOILET ROOMS, 552 SF

APPLICABLE CODES AND STANDARDS:
2021 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
2021 MICHIGAN BUILDING CODE (AS REFERENCED BY THE REHAB CODE)
2021 MICHIGAN MECHANICAL CODE
2021 MICHIGAN PLUMBING CODE
2023 MICHIGAN ELECTRICAL CODE (2023 NATIONAL ELECTRICAL CODE AND PROMULGATED RULES FOR THE MICHIGAN PART 8 ELECTRICAL RULES)
2021 MICHIGAN ENERGY CODE
2021 INTERNATIONAL FIRE PREVENTION CODE

ACCESSIBILITY: 2017 ANSI A117.1

PROJECT SCOPE

FOLLOWING ARE THE PLANS OUTLINING THE SCOPE OF WORK REQUIRED FOR NEW PUBLIC FACING TOILET ROOMS AT THE TICKETING LEVEL OF THE EXISTING MCNAMARA TERMINAL AT DETROIT METROPOLITAN AIRPORT.

THE DRAWINGS, IN CONCERT WITH THE PROJECT MANUAL, COMPRISE THE CONTRACT DOCUMENTS OUTLINING THE INTENT OF THE ARCHITECT, AND MAY BE SUPPLEMENTED BY FURTHER INFORMATION ISSUED BY ARCHITECT.

PROJECT NOTES

1. ALL EXISTING EGRESS REQUIREMENTS ARE COMPLIANT AND NOT PART OF SCOPE OF WORK, INCLUDING OCCUPANT LOADS, EGRESS WIDTHS, EXITS, PATHS OF EGRESS EXIT REMOTNESS AND COMMON PATHS ARE NOT IMPACTED BY SCOPE OF WORK.
2. EXISTING SERVICE SINKS AND DRINKING FOUNTAINS NOT IMPACTED BY SCOPE OF WORK.
3. SCOPE OF WORK INCLUDES PUBLIC FACING RESTROOMS ONLY. EMPLOYEE RESTROOMS ARE TO REMAIN AS-IS.
4. PROJECT DOES NOT ADD OCCUPANT LOAD.

CODE COMPLIANCE APPROACH

PROJECT IS A LEVEL 2 ALTERATION AS DEFINED BY THE MICHIGAN REHAB CODE FOR EXISTING BUILDINGS.
PROJECT DOES NOT ALTER THE OCCUPANT LOAD OR EGRESS SYSTEMS OF THE BUILDING.

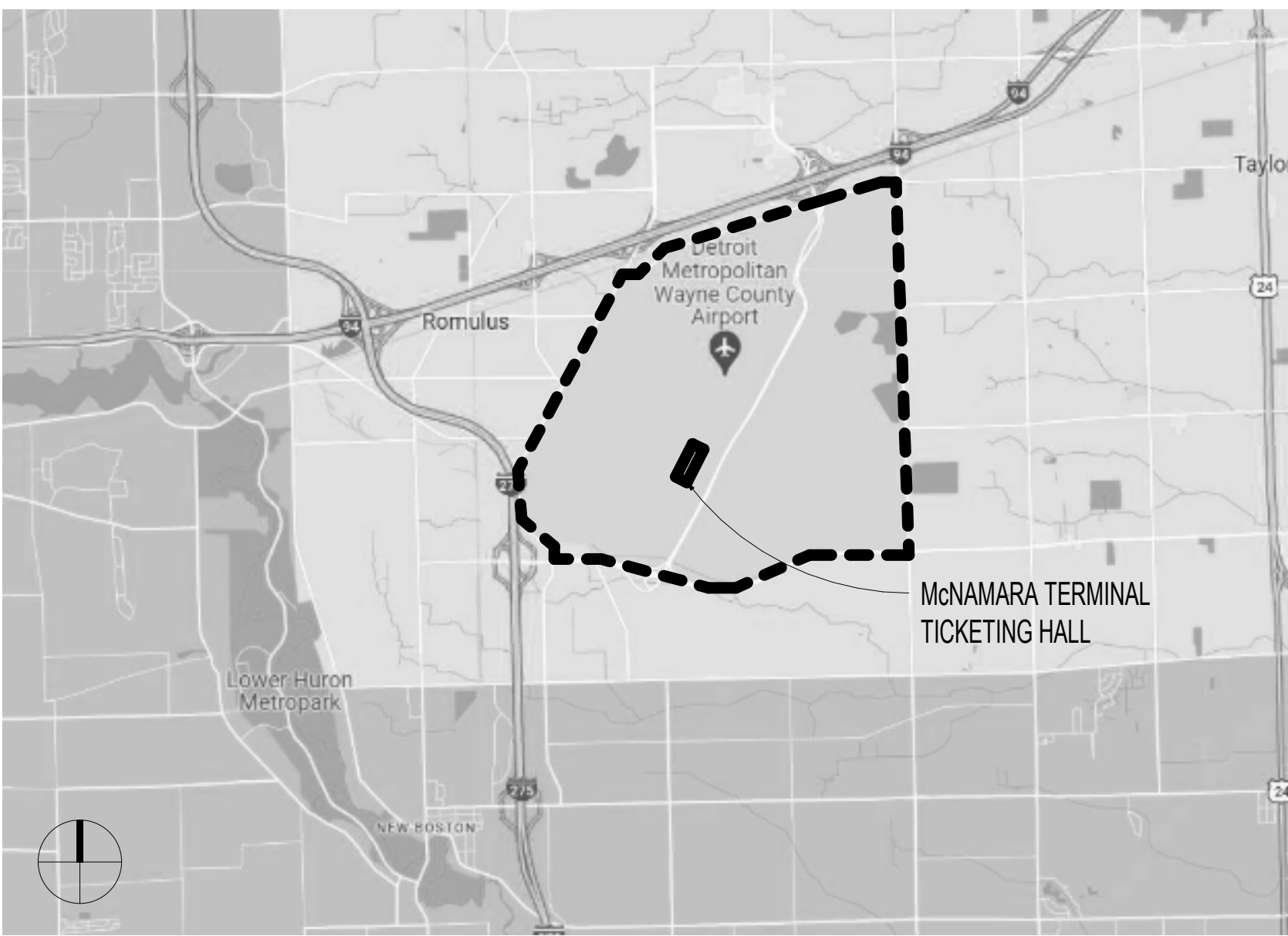
DEFERRED SUBMITTALS

1. MISCELLANEOUS STEEL FOR SUPPORT AT LAVATORIES
2. SIGNAGE
3. COLD-FORMED METAL STUD FRAMING SHOP DRAWINGS AND LOAD CALCULATIONS
4. FIRE PROTECTION SYSTEMS

VICINITY MAP



LOCATION MAP



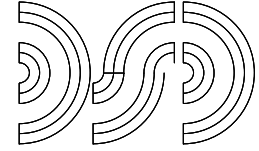
SHEET INDEX

TICKETING DRAWING INDEX		07.16.26 ISSUE FOR BID
Sheet Number	Sheet Name	
A0.000	COVER	•
A0.001	DRAWING INDEX, PROJECT INFORMATION AND PARTITION TYPES	•
A0.002	GENERAL NOTES AND SYMBOLS	•
A0.003	TYPICAL MOUNTING DETAILS	•
A0.004	SCHEDULES & FINISH MATERIALS LEGEND	•
A0.005	PLANS	•
A0.006	ELEVATIONS	•
A0.007	SECTION DETAILS	•
A0.008	SECTION DETAILS	•
SO.01	ABBREVIATIONS AND SYMBOLS	•
SO.02	GENERAL NOTES	•
SO.03	SPECIAL INSPECTIONS	•
S1.01	TICKETING STATION FRAMING PLAN	•
SA.51	COLD FORMED METAL FRAMING DETAILS	•
MO.01	MECHANICAL GENERAL INFORMATION	•
MO.02	GATE LEVEL MECHANICAL PARTIAL PLANS	•
MO.03	TICKETING LEVEL MECHANICAL PARTIAL PLANS	•
MO.04	MECHANICAL SCHEDULES AND DETAILS	•
EO.01	ELECTRICAL GENERAL INFORMATION	•
EO.02	PARTIAL ELECTRICAL FLOOR PLANS	•
EO.03	PANEL SCHEDULES	•
ELS.001	ENLARGED LIGHTING PLAN - TYPICAL LIGHTING CONTROL INTENT	•
ELS.002	LIGHTING FIXTURE SCHEDULE	•
ELS.003	LIGHTING FIXTURE DETAILS 1 OF 1	•

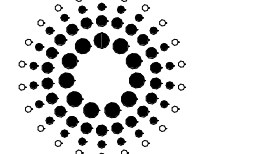
Wayne County Airport Authority
Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242

Gensler

150 West Jefferson
Suite 1700
Detroit, MI 48226
United States
Tel 313.965.1600
Fax 313.965.8000



DiClemente Siegel Design Inc.
Engineering Consultant
28105 Greenfield Road
Southfield, Michigan
48076-3046
Tel 248.569.1430



Domingo Gonzalez Associates
Architectural Lighting Design
29 Broadway, 3rd Floor
New York, NY 10006
Tel 212.698.4800

△ Date	Description
07.16.26	ISSUE FOR BID

Seal / Signature

Project Name
Ticketing Hall Restroom

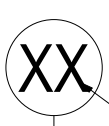
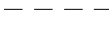
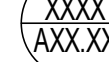
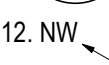
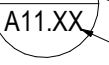
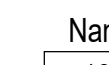
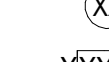
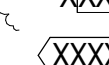
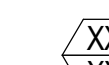
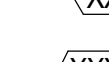
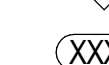
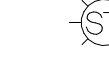
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10.6424.020

Description
DRAWING INDEX, PROJECT INFORMATION AND PARTITION TYPES

Scale
NOT TO SCALE

A0.001

CONSTRUCTION

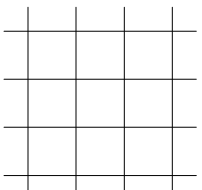
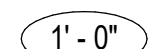
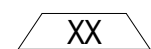
	COLUMN GRID REFERENCE NUMBER
	COLUMN GRID LINES AND REFERENCE NUMBER
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	NEW PARTITION
	MILL WORK
	MILL WORK ABOVE
	DETAIL NUMBER
	SHEET NUMBER
	DESCRIPTION OF SIMILAR OR OPPOSITE
	FLOOR NUMBER AND AREA OR PHASE
	AREA TO BE DETAILED
	LOCATION ON ROW WHERE ELEVATION IS SHOWN
	DIRECTION OF ELEVATION
	ROW ON SHEET WHERE ELEVATION IS SHOWN
	SHEET NUMBER WHERE ELEVATION IS SHOWN
	REVISION REFERENCE NUMBER
	REVISION CLOUD DEPICTING AREAS ARE REVISED
	ROOM NAME
	ROOM NUMBER
	SHEET NOTE REFERENCE
	WALL TYPE REFERENCE
	DOOR REFERENCE NUMBER (REFER TO DOOR SCHEDULE)
	DOOR TYPE
	HARDWARE TYPE
	DOOR NUMBER
	DOOR TYPE / HARDWARE TYPE
	WINDOW REFERENCE NUMBER (REFER TO WINDOW SCHEDULE)
	MILL WORK REFERENCE NUMBER (REFER TO MILL WORK SCHEDULE)
	ELEVATION DATUM REFERENCE
	MATCH LINE SYMBOL
	ALIGN WITH ESTABLISHED SURFACES

WALL MOUNTED LIFE SAFETY EQUIPMENT AND DEVICES

	FIRE WARDEN STATION SYMBOL
	WALL MOUNTED FIRE ALARM STROBE SYMBOL
	FIRE ALARM PULL SYMBOL
	WALL MOUNTED, FIRE EXTINGUISHER CABINET
	WALL MOUNTED FIRE EXTINGUISHER
	WALL MOUNTED FIRE HOSE CABINET
	WALL MOUNTED FIRE VALVE
	WALL MOUNTED FIRE VALVE CABINET

	WALL FINISH
	BASE FINISH
	WALL FINISH
	WALL FINISH
	WAINSCOT FINISH
	BASE FINISH
	EXTENT OF WALL / WAINSCOT / BASE FINISH
	SPECIAL FINISH
	FLOOR FINISH
	CEILING FINISH
	CHANGE IN FLOOR FINISH

REFLECTED CEILING

	ACOUSTICAL CEILING AND GRID
	CEILING HEIGHT CHANGE SYMBOL
	FINISH CEILING HEIGHT SYMBOL
	GRID START POINT SYMBOL
	CEILING FINISH TAG
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
E	DENOTES EXISTING TO REMAIN
R	DENOTES EXISTING TO BE RELOCATED

	FLUORESCENT LIGHT FIXTURE
	FLUORESCENT LIGHT FIXTURE / EMERGENCY CIRCUIT
	EXISTING LIGHT FIXTURE TO BE REMOVED
	UNDER CABINET FLUORESCENT FIXTURE
	FLUORESCENT STRIP FIXTURE
	FLUORESCENT PENDANT FIXTURE
	RECESSED DOWNLIGHT
	RECESSED ADJUSTABLE DOWNLIGHT
	RECESSED WALL WASHER
	TRACK LIGHTING
	SURFACE MOUNTED LIGHT FIXTURE
	WALL SCONCE
	LIGHT SWITCH
	DIMMER SWITCH

K		&	AND
KIT	KITCHEN	ACCESS	ACCESSORY
L		ACOUS	ACOUSTICAL
LAV	LAVATORY	AF	ABOVE FINISHED FLOOR
LB	LOAD BEARING	AL	ALUMINUM
LP	LOW POINT	ALT	ALTERNATE
LT	LIGHT	ANNUN	ANNUNCIATOR
LVLG	LEVELING	ANOD	ANODIZED
LVT	LOVEAR	APPL	APPLANCE
£	BRITISH POUND (CURRENCY)	ARCH	ARCHITECT(URAL)
M		AUTO	AUTOMATIC
MAX	MAXIMUM	AVG	AVERAGE
MECH	MECHANICAL		
MEMB	MEMBRANE	BD	BOARD
MET	METAL	BLDG	BUILDING
MEZZ	MEZZANINE	BLKG	BLOCKING
MFD	MANUFACTURED	BOLD	BOLLARD
MFR	MANUFACTURER	BROCM	BROOK.COM
MN	MINIMUM	BU	BUILT UP
MISC	MISCELLANEOUS		
MLWK	MILLYWORK	CAB	CABINET
MOIST	MOISTURE	CEM	CEMENT(IOUS)
MOT	MOTOR(IZED)	CER	CERAMIC
MTD	MOUNTED	CP	CASE-IN-PLACE
N		CLS	CEILING
NIC	NOT IN CONTRACT	CMU	CONCRETE MASONRY UNIT
NO	NUMBER	COATG	COATING
NTS	NOT TO SCALE	COLG	COLING
O		CONC	CONCRETE
OPNG	OPENING(S)	CONSTR	CONSTRUCTION
OPR	OPERABLE	CON	CONJUNCTION(S)
ORD	OVERLOW ROOF DRAIN	CONTR	CONTRACT(OR)
ORNA	ORNAMENTAL	COV	COVER
OVL	OVERFLOW	CPT	CURPET
OVDH	OVERHEAD		
P		\$	DOLLAR (US CURRENCY)
PDR	PARTICLE BOARD	DBL	DOUBLE
PEDR	PEDESTRIAN	DEPT	DEPARTMENT
PLAM	PLASTIC LAMINATE	DES	DESIGNED
PLAS	PLASTER	DET	DETAIL
PLSTC	PLASTIC	DF	DRINKING FOUNTAIN
PLYWD	PLYWOOD	DIA	DIAMETER
PNL	PANEL	DIF	DIFUSER
POLYST	POLYSTYRENE	DM	DIMENSION
PORT	PORTABLE	DSP	DISPENSER
PREFAB	PREFABRICATED	DIV	DIVISION
PRFN	PREFINISHED	DN	DOWN
PRTECN	PROTECTION	DR	DOOR
PTN	PARTITION	DSSCON	DISCONNECT
		DWG	DRAWER
R			
RO	ROOF DRAIN	EAST	ELASTOMERIC
ROL	ROOF DRAIN LEADER	ELEC	ELECTRICAL
RDR	READER	EMBED	EMBEDDED(JOINTING)
RECES	RECESSED	ENGR	ENGINEERED
RECP	RECEPTACLE	ENTR	ENTRANCE
REF	REFERENCE	EQ	EQUAL
REFR	REFLECTED	EQUIP	EQUIPMENT
REFR	REFRIGERATOR	EXIST	EXISTING
REINF	REINFORCED(ING/MENT)	EXP-JT	EXPANSION JOINT
REQD	REQUIRED	EXPS	EXPPOSED
RESIL	RESILIENT	EXT	EXTERIOR
RESS	RESISTANT(JIVE)		
RFG	ROOFING		
RM	ROOM	FAB	FABRICATION
RO	ROUGH OPENING	FD	FLOOR DRAIN
		FE	FIRE EXTINGUISHER
SCR	SCRIBE	FEAC	FIRE EXTINGUISHER AND CABINET
SECUR	SECURITY	FHC	FIRE HOSE AND CABINET
SF	SCORE FEET	FN	FINISH
SG	SHOULDER	FLDG	FOLDING
SHORG	SHORING	FLR	FLOORING
SM	SIMILAR	FLFC	FLREPLACE
SST	STAINLESS STEEL	FR	FIRE RATING(ED)
STD	STANDARD	FRMG	FRAMING
STL	STEEL	FURN	FURNITURE
STRFR	STOREFRONT	FWC	FABRIC WALL COVERING
STRUCT	STRUCTURAL	FXD	FIXED
SURF	SURFACE	FXTR	FIXTURE
SUSP	SUSPENDED		
SYS	SYSTEM(S)	GA	GAUGE
T		GFRG	GLASS FIBER REINFORCED CONCRETE
T&G	TONGUE AND GROOVE	GFRG	GLASS FIBER REINFORCED GYPSUM
THK	THICK	GRFP	GLASS FIBER REINFORCED PLASTE
TLT	TILET	GL	GLASS
TRAF	TRAFFIC	GR	GRADE(ING)
TRANS	TRANSIENT	GYP	GYPSUM
TRTD			

A. PRIOR TO CORING SLAB, REVIEW LOCATIONS WITH ARCHITECT AND COORDINATE LOCATIONS WITH OWNER. ALSO REVIEW STRUCTURAL DRAWINGS AND EXISTING SURVEILLATION CONDITIONS PRIOR TO CORING.

B. COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA, AUDIO VISUAL AND SECURITY SYSTEMS.

C. VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER. COORDINATE WITH ARCHITECT AND ELECTRICAL ENGINEER.

D. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.

E. GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.

F. NOT USED

G. MATCH STANDARD WALL OUTLETS, SWITCHES, TROUBLE, THERMOSTATS AND OTHER DEVICES AS INDICATED ON THE STANDARD MOUNTING HEIGHT ELEVATIONS, AND AT HEIGHTS REQUIRED BY THE ELECTRICAL CODE. MATCH ALL OTHER DEVICES TO THERMOSTATS AND LIGHT SWITCH COVER TOGETHER, INSTANT, BOTH ALIGNED HORIZONTALLY WITH CENTER LINE AT 2'-2" FROM THE FLOOR. ALL DEVICES LESS THAN 1'-0" TO BE COORDINATED BY THE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION.

H. INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLET OR SWITCH, OR CLUSTER OF SWITCHES.

I. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT PLACE OUTLETS ON SAME SIDE OF PARTITION.

J. PROVIDE MATCHING COVER PLATES, RECEPTABLES AND RELATED ITEMS. PROVIDE ONE PIECE TYPE GANGE COVER PLATES, UNLESS OTHERWISE NOTED.

K. IDENTIFY ALL ELECTRICAL PANELS, DISCONNECTS, AND OUTLETS WITH A RED DOT LOCATE ELECTRICAL CENTERLINE OF OUTLET FROM BACKLASH BEHIND BACKLASH. IDENTIFY ALL BREAKERS WITH A RED DOT LOCATE ELECTRICAL CENTERLINE OF OUTLET 6" FROM COUNTER WHERE BACKLASH DOES NOT OCCUR.

L. PROVIDE INTERIOR METAL STUDS AND DRIVWALL, AS NECESSARY TO FRAME OUT ELECTRICAL PANELS AND INTERIOR WALL. PROVIDE EXTERIOR STUDS, VAPOR BARRIER AND EXTERIOR INSULATION INCLUDED IN BASE BOARD FINISH / SHELL SCOPE.

M. CONTRACTOR TO COORDINATE POWER/DATA/ELECTRICAL REQUIREMENTS WITH VENDOR. SITE SPECIFIC DRAWINGS PRIOR TO CONSTRUCTION.

N. CONTRACTOR TO REVIEW ARCHITECTURAL DRAWINGS FOR ADDITIONAL LOCATIONS / REQUIREMENTS. CONTRACTOR TO PROVIDE ALL NECESSARY DISCREPANCIES PRIOR TO BID AND CONSTRUCTION.

O. TYPICAL NOTE FOR GENERAL USE: RECEPTABLES AND OUTLETS PLACES PRIOR TO BE PREFINISHED METAL COLOR OR MATCH WALLS, OUTLETS SWITCHES TO BE WHITE, UNLESS OTHERWISE NOTED.

P. FACELATES ON THE WALLS TO BE BRUSHED STAINLESS STEEL.

A.	ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.	
B.	REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.	
C.	CONTINUE ALL FLOOR FINISHES UNDER MILLWORK.	
D.	UNLESS OTHERWISE NOTED, PROVIDE MINIMUM THREE-COAT PANEL SYSTEMS FOR EACH SUBSTRATE.	
E.	REFER TO PROJECT MANUAL FOR LEVEL OF FINISH FOR GYPSUM BOARD PARTITIONS/CEILINGS AS REQUIRED FOR SPECIFIED FINISHES.	
F.	FIELD VERIFY LOCATION OF ALL CONTROL JOINTS IN EXISTING CONCRETE SLABS TO RECEIVE NEW TERRAZZO FLOOR FINISHES. LOCATE TERRAZZO CONTROL JOINTS AT LOCATION OF ALL CONCRETE SLAB CONTROL JOINTS.	

A. PROVIDE EMERGENCY LIGHTING OF ONE FOOT-CANDLE AT FLOOR LEVEL, COMPLY WITH BUILDING CODES.

B. MAINTAIN LIGHTS AT LEAST 4" AWAY AT PUBLIC AREAS.

C. EVERY ENTRY DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR FORCE (PUSH). SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.

D. ALL NEW DOORS MUST HAVE APPROVED LEVER HANDLES.

E. ALL NEW DOORS AND CELLS MUST BE PROVIDED WITH A LOCKING CLASS 2 (FLAME SPREAD 26-75, SMOKE DEVELOPED 45 OR LESS) OR BETTER, UNLESS NOTED OTHERWISE.

F. INTERIOR WALL AND CEILING FINISHES FOR EXIT CORRIDOR SHALL NOT EXCEED AN END POINT CLASS 1, FLAME SPREAD 26-75, SMOKE DEVELOPED 150. FOR MATERIALS INSTALLED IN VERTICAL EXITS.

G. FLAME SPREAD 26-75, SMOKE DEVELOPED 300. FOR MATERIALS INSTALLED HORIZONTAL EXITS.

H. CLASS 1, FLAME SPREAD 76-120, SMOKE DEVELOPED 450. FOR MATERIALS INSTALLED IN OTHER LOCATION.

I. DECORATIONS (CURTAINS, DRAPES, SHADES, HANGINGS, ETC.) SHALL BE NON-COMBUSTIBLE OR OF FLAME-PROOFED NON-COMBUSTIBLE MATERIAL.

J. PROVIDE FIRE DAMPERS OR DOORS WHERE AIR DUCTS PENETRATE FIRE-RATED WALLS OR CEILINGS.

K. EXHAUST, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS AND HAZARDOUS SUBSTANCES SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS, ALL WOOD BLOCKING, CEILING, FLOORS, SHEATHING AND OTHER MISCELL. CABINETRY ITEMS SHALL BE RETARDANT TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

L. EXTEND OR MODIFY EXISTING FIRE/ALARM SMOKE SILENCER SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE/ALARM SILENCER SYSTEM SUBMIT PLANS TO FIRE DEPARTMENT WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL FOR INSTALLATION.

M. LOCATE THE CENTER OF FIRE ALARM INITIATING DEVICES 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLUMB, GROUND SURFACE OR SIDEWALK.

N. EMERGENCY LIGHTING SHALL BE PROVIDED IN AREAS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHERS PER MINUTE, U.S.A.

O. EXTEND OR MODIFY EXISTING AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM. SUBMIT PLANS TO FIRE DEPARTMENT AND OBTAIN APPROVAL.

P. AUTOMATIC SPRINKLER SYSTEMS SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT CONSTANTLY 1/2 MINUTE.

Q. PROVIDE NEW AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM. SUBMIT PLANS TO FIRE DEPARTMENT AND OBTAIN APPROVAL.

R. INTERIOR TRIM IS SPECIFIED TO BE CLASS 2 (FLAME SPREAD 76 TO 120, SMOKE DEVELOPED 450 OR LESS) OR BETTER.

S. INTERIOR TRIM FOR CEILING IS SPECIFIED TO BE 10% OR LESS OF TOTAL CEILING AREA.

T. INTERIOR TRIM FOR WALLS IS SPECIFIED TO BE 20% OR LESS OF TOTAL WALL AREA.

U. COORDINATIONS FOR CORRIDORS, LOBBIES, STAIRS, OTHER EXTER PATH OR EXTER AREAS ARE SPECIFIED TO BE CLASS 2 OR BETTER.

A. COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.

B. OBTAIN PAY FOR PERMITS AND INSURANCES OR BE REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.

C. REVIEW CONDITIONS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY DISCREPANCIES TO ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.

D. CONSULT WITH ARCHITECT TO PREPARE EXISTING AND NEW FIXTURE QUANTITIES PRIOR TO SUBMITTING BID. IMMEDIATELY NOTIFY THE ARCHITECT FOR ANY DISCREPANCIES.

E. IN THE EVENT OF A CONFLICT OR DISCREPANCY AMONGS THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOT LITIGATE, WITHIN INTERIOR ELEVATIONS, OTHER TRADES AND VENDOR DRAWINGS, IMMEDIATELY NOTIFY THE ARCHITECT FOR RESOLUTION PRIOR TO CONSTRUCTION. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO SUBMITTING BID. PURCHASE, INSTALLATION OR INSTALLATION REQUEST FOR SUBSTITUTION MUST ACCOMPANY FORM PROVIDED IN THE PROJECT MANUAL WITH SIDE-BY-SIDE COMPARISON OF PRODUCT, FACTURE, FIT, FINISH, COLOR, AND COORDINATION TO THE ORIGINAL. NOT LIMITED TO, AESTHETIC PERFORMANCE INFORMATION, ETC.. SUBMITTING PRODUCT INFORMATION WITHOUT THE OWNER INCLUDING SCHEDULING, TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.

F. OWNER WILL PROVIDE WORK AREAS AND LOCATIONS OR BE REQUIRED BY PUBLIC AUTHORITIES TO MEET SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRAM SCHEDULE AND COORDINATE TO ASSURE OPTIMAL SEQUENCE OF INSTALLATION.

G. COORDINATE TELECOMMUNICATIONS, CABLE, AUDIO VISUAL, AND SECURITY SYSTEM INSTALLATIONS.

H. COORDINATE WITH AND EXT LIGHTING PER DESIGN, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.

K. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE.

L. MAINTAIN ACCESS TO WORK AREAS AND LOCATIONS DURING CONSTRUCTION. COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY.

M. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GIVEN IN CASE OF CONFLICT, CONSULT THE ARCHITECT.

N. PARTITIONS ARE DIMENSIONED FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD, UNLESS OTHERWISE NOTED. MANTAIN DIMENSIONS MARKED "CLEAR." ALLOW FOR THICKNESS OF FINISHES.

O. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILING.

P. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW CONSTRUCTION.

Q. REFER TO SPECIFICATIONS FOR DIMENSIONS, UNLESS OTHERWISE NOTED.

R. OWNER, GENERAL CONTRACTOR, ARCHITECT AND ENGINEERS SHALL PARTICIPATE IN A COORDINATION MEETING TO REVIEW LOCATION OF ALL LIGHTING, ELECTRICAL CONDUITS AND SERVICES, MECHANICAL PIPING, AND VENTILATION.

S. FINAL LOCATION OF EXPOSED PUMPING AND HVAC DUCTS NEED TO BE CONFIRMED ON SITE PRIOR TO INSTALLATION.

T. GENERAL CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS FROM JOB SITE.

U. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.

V. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW CONSTRUCTION. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

W. PROVIDE CONCEALED FIRE TREATED BLOCKING AS REQUIRED FOR WORK BY OWNER'S OTHER CONTRACTORS. COORDINATE WITH OTHER CONTRACTORS FOR SIZE, TYPE AND LOCATION OF BLOCKING.

X. STRUCTURAL DRAWINGS BY OTHERS.

Y. ELECTRICAL AND ELECTRICAL SERVICES SHALL BE PROVIDED ARCHITECTURAL DRAWINGS FOR ADDITIONAL FIXTURES, LOCATIONS AND QUANTITIES INCLUDING, BUT NOT LIMITED TO, FIXTURE, LIGHTING, OUTLET DIFFUSER, ETC.) TRADES TO NOTIFY AS FOR ANY DISCREPANCIES PRIOR TO SUBMITTING BIDS.

Z. NOT USED.

A. CONTRACT JOBS / SLOPE (IF NECESSARY) ABOVE DUCTWORK IN PARTITIONS THAT ARE REQUIRED TO BE FULL HEIGHT (ACoustICAL, FIRE RATED, SMOKE BARRIER, ETC.) COORDINATE WITH DRYWALL AND ME TRADES PRIOR TO HVAC PARTITIONING.

B. NO CEILING COINGS EXPOSED; PARTITIONS / WALLS ARE TO EXTEND TO TYPE OF CEILING.

C. INSTALL HOUSEKEEPING PAD FOR MECHANICAL / ELECTRICAL, EQUIPMENT NOTED ON MEP DRAWINGS. COORDINATE WITH ME TRADES PRIOR TO HOUSEKEEPING PAD INSTALLATION. FINAL EQUIPMENT SELECTION REFER TO BASE BUILDING SPECIFICATION.

A. FLOOR SURFACES SHALL BE SLIP-RESISTANT.

EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NO LESS THAN 4' WIDE.

B. ANY ELEVATION CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL, BEVEL, OTHERS WITH A SLOPE NO GREATER THAN 1:48.

C. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITHOUT THE USE OF KEYS, TOOLS, OR SPECIAL PASSAGE PUNCH PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BEYOND 48" MAXIMUM AND 54" MINIMUM TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED TO NOT EXCEED 5 LBS.

D. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 32" AND 44" ABOVE THE FLOOR.

E. FLOOR MATS, RUBBER MATS OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8 POUNDS FOR EXTERIOR DOORS AND 4 POUNDS FOR INTERIOR DOORS. MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER LINE OF SLIDING OR FOLDING DOORS, CORRESPONDING TO THE POINT OF CONTACT WITH THE DOOR. MATS SHALL BE SECURED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED TO NOT EXCEED 5 LBS.

F. THE BOTTOM OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST OR FOOTREST ATTACHED TO A RIGID WALKER. THE SURFACE SHALL BE 1/4" HIGH-SMOOTH, 1/4" WIDE ON THE PUSH SIDE OF NARROW FRAME DOORS, OR COMPLY WITH EXCEPTION 2 OF 404.2.9. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6' 8" IN CLEAR HEIGHT. THE CLEARANCE HEIGHT OF OPENING SHALL BE IN DEGREES AND SHALL BE SO MONUMENTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 3'.

G. WHEN A PAIR OF DOORS IS UTILIZED AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNINTERRUPTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES TO ITS CLOSED POSITION.

H. PROVIDE ACCESSIBLE ROUTES TO ALL DOORS THAT AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.

I. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR OF OBSTACLES, AT LEAST 6' FROM THE DOOR. THE CLEARANCE SHALL BE 1/4" HIGH-SMOOTH, 1/4" WIDE ON THE PUSH SIDE OF NARROW FRAME DOORS, OR COMPLY WITH EXCEPTION 2 OF 404.2.9. THE SWING OF AN LEAF AND THE LENGTH OR HEIGHT OF THE DOOR OR DOORWAY SHALL BE 6' 8" IN CLEAR HEIGHT AND 3' IN WIDTH. THE CLEARANCE HEIGHT OF OPENING SHALL BE IN DEGREES AND SHALL BE SO MONUMENTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 3'.

J. FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:12.

K. CENTER ELECTRICAL, RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM.

L. SANITARY FACILITIES LOCATED ON AN ACCESSIBLE FLOOR OF A BUILDING SHALL BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.

M. ENTRY TO SANITARY FACILITIES.

1. 44" CLEAR WIDTHS OR CORRS WHERE OCCUPANT LOAD IS 10 OR MORE.

2. B. DOORWAYS TO HAVE A 32" CLEAR OPENING.

3. C. ON APPROACH, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS FROM APPROACH AND 48" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH.

4. TOILET ROOM ACCESSORIES.

N. MOUNT TOILET SEAT, MIRRORS NO HIGHER THAN 40" FROM THE FLOOR.

O. MOUNT TOILET TISSUE DISPENSERS WITHIN 12" FROM THE FRONT EDGE OF THE TOILET SEAT.

P. MOUNT DISPENSING AND DISPOSAL VESSELS (TOWEL, SANITARY NAPKINS, WASTE, COIN AND CASH) WITHIN 48" OF THE FRONT OF THE TOILET SEAT.

Q. THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) SHALL BE BETWEEN 17" AND 19".

R. MOUNT FLUSH VALVE CONTROL, NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST ACCESSIBILITY.

S. PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET.

T. A. GRAB BARS TO BE 32" ABOVE AND PARALLEL TO THE FLOOR.

B. SEAT HEIGHT TO BE 47" TO 49" AND 12" MAXIMUM FROM THE REAR WALL AND EXTENDING 54" MINIMUM FROM REAR WALL.

C. A. VERTICAL, GRAB BAR 19" MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 32" MINIMUM AND 44" MAXIMUM FROM THE REAR WALL AND LOCATED 33" MINIMUM 44" MAXIMUM FROM THE REAR WALL.

D. GRAB BAR AT BACK TO BE 30" LONG, EXTEND FROM THE CENTERLINE OF THE WATER CLOSET TO THE END OF THE CLOSURE.

E. DIAMETER OF GRAB BARS TO BE 1.14" TO 1.42".

F. PROVIDE A SECOND GRAB BAR 12" FROM THE END OF THE BAR.

G. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORTING BACKINGS, ETC.) SHALL SUPPORT A 250 LBS LOAD.

H. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

I. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.

J. EDGES SHALL HAVE A MINIMUM RADIUS OF 18".

K. PROVIDE A CLEAR FLOOR SPACE 30" X 52" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.

L. LAVATORY.

M. LAVATORY WITH A MAXIMUM HEIGHT OF 34" FROM THE FLOOR TO THE TOP OF THE RIM OR COUNTER SURFACE. PROVIDE KNEE CLEARANCE UNDER THE FRONT UP EXTENDING A MINIMUM OF 30" IN WIDTH WITH F MINIMUM DEPTH AT 27" ABOVE THE FLOOR, AND SHALL BE 48" FROM THE FRONT FLOOR.

N. LAVATORY.

O. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OR COIN-OPERATED TYPE FAUCETS SHALL BE USED TO MEET THE ABOVE REQUIREMENTS. ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR NOT LESS THAN 10 SECONDS.

P. INSULATE TO PREVENT CONDENSE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.

Q. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

A. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS THAT PERTAIN TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.

B. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDINGS AND WORKERS.

C. REMOVE EXISTANT DUCTWORK AND EQUIPMENT TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.

D. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTIVE AREAS AT NO COST TO THE OWNER.

E. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH AND OTHER MATERIALS.

F. REMOVE DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK.

G. REMOVE ABANDONED EQUIPMENT, INCLUDING DUCT WORK.

H. REMOVE ABANDONED ELECTRICAL, TELEPHONE AND DATA CABLES AND DEVICES, UNLESS OTHERWISE NOTED.

I. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.

A. DESIGN SUSPENDED CEILING FRAMING SYSTEMS TO RESIST A LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5 POUNDS PER SQUARE FOOT TO DETERMINE THE LATERAL FORCE.

B. WHERE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHODS MAY BE USED:

C. PROVIDE LATERAL SUPPORT BY FOUR WIRES OF MINIMUM NO. 12 GAUGE SPAYLED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN HANGER WITH 2" OF THE HANGER WIRE AND TO THE LATERAL BRACING WITH 4" OF THE BRACING WIRE. BRACE CROSS RUNNERS FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 4' FROM EACH WALL.

D. PROVIDE LATERAL LATERAL SUPPORT REQUIRED IN BUILDING CODES AND, ADDITION, VERTICALLY SUPPORT ENDS OF RUNNERS WITHIN 4' OF DISCONTINUITIES SUCH AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY:

E. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

F. PROVIDE COLOR OF HAZ DOP-FUSERS/REGISTERS, LIGHT FIXTURE TRIM, ELECTRICAL DEVICES, SPEAKER GRILLS, SPRINKLER HEAD COVERS AND OTHER CEILING MOUNTED DEVICES (ETC.) TO MATCH ADJACENT CEILING /WALL FINISH, UNLESS OTHERWISE NOTED. ALIGNMENT TO BE COORDINATED WITH ARCHITECT.

G. VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, DUCTWORK, STRUCTURAL ELEMENTS AND OTHER APPLICABLE ITEMS. ARRANGE AND MODIFY NON-VISIBLE ITEMS TO PROVIDE CLEARANCES FOR CEILING MOUNTED DEVICES AND FOR CEILING LIGHTS AS INDICATED.

H. CONTRACTOR TO PROVIDE COORDINATED REFLECTED CEILING LAYOUT INCLUDING CEILING DEVICES AND LOCATIONS OF LIGHTS WITH MOUNTING HEIGHTS, SPEAKER HEADS, DIFFUSERS, ELECTRICAL FIXTURE, DUCTWORK, ETC. MEP TRADES TO COORDINATE WITH CEILING HEIGHTS. PROVIDE REFLECTED CEILING LAYOUT TO ARCHITECT FOR REVIEW AND APPROVAL.

I. ALL DUCTWORK INSTALLATION TO BE COORDINATED WITH LIGHT FIXTURE LAYOUT. NOTIFY ARCHITECT OF ANY DUCTWORK/LIGHT FIXTURE CONFLICTS BEFORE COMMENCING WITH THE WORK.

J. ALL STROBE, SPEAKERS/DROBE AND VIB ALARM DEVICE LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS ARE FOR DESIGN INTENT. SUBMIT "SHOP DRAWING" TO ARCHITECT FOR ENGINEERING REVIEW AND APPROVAL.

K. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL OR MECHANICAL DRAWINGS AND OBTAIN CLARIFICATION PRIOR TO SUBMITTING BID AND COMMENCEMENT OF WORK.

L. REFER TO ENGINEERING DRAWINGS FOR LIGHT FIXTURE SCHEDULE (REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TAG IDENTIFICATION).

M. COORDINATE AND MEET CONFLICTS BETWEEN THE LOCATION OF DUCTWORK / PLUMBING WITH INSTALLATION REQUIREMENTS AT FULL HEIGHT PARTITIONS. CONFIRM SUFFICIENT CLEARANCE BETWEEN FULL HEIGHT PARTITION AND DUCTWORK / PLUMBING PRIOR TO FABRICATION.

N. COORDINATE LOCATION OF OVERHEAD EQUIPMENT WITH A/E AND EQUIPMENT VENDOR PRIOR TO FABRICATION AND CONSTRUCTION.

O. PROVIDE LUMINATED EXIT SIGNS PER ROPS AND CONSULTANT DRAWINGS (ETC).

P. ARCHITECTURAL DRAWINGS ONLY INCLUDE LOCATIONS OF ELECTRICAL, MECHANICAL, FIRE PROTECTION, AUDIO-VISUAL AND OTHER EQUIPMENT. PROVIDE LAYOUTS OF ALL EQUIPMENT. THESE SYSTEMS REFER TO THE ENGINEERING AND/OR CONSULTANT DRAWINGS.

Q. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, FOR COMPLYING WITH ALL CODES, ORDINANCES, CODES, ORDINANCES AND CIRCULATING OF WORK AND FOR PROVIDING RECORD "AS-BUILT" DRAWINGS.

A. ALL DIMENSIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE. UNLESS OTHERWISE NOTED, MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD." ALLOW FOR THICKNESS OF FINISHES.

B. MAINTAIN AND PROVIDE 1/2" MIN. GAP WITHIN PARTITION FOR ALL MILLWORK AND TRIM ATTACHED OR MOUNTED TO WALLS OR CEILING.

C. UNDERCUT OF DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4" UNIFORM.

D. INTERLOCK JOINTS TO BE INTERLOCKED TO PREVENT AIR INfiltration. APPLY CLIMATE CODE MARK THE LOCATION OF ALL PARTITIONS ON THE SLAB-TO-REVIEW BY THE ARCHITECT PRIOR TO INSTALLATION. REVIEW SHALL BE FOR DESIGN INTENT. CONTRACTOR TO VERIFY ALL CONDITIONS IN ORDER TO ENSURE PROPER FIT.

E. ALL PARTITIONS SHALL BE PERPENDICULAR OR PARALLEL TO BUILDING CORE WALLS. UNIFORM FINISH OF ALL DOOR OPENINGS SHALL BE LOCATED 4' FROM ADJACENT PERPENDICULAR WALL. UNIFORM.

F. WHERE EXISTING ACCESS PANELS IN CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH THE NEW PARTITION LINE.

G. FIREPROOFING SHALL AS REQUIRED TO MAINTAIN EXISTING FIRE PROTECTION RATING. NOTIFY AND APPROVE ALL FIREPROOFING REVISIONS WITH THE AUTHORITY HAVING JURISDICTION. REPAIRS AND PARTITIONS, AS REQUIRED, TO MAINTAIN EXISTING FIRE PROTECTION RATING.

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PLUMBING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	NAME	MODEL	FINISH	NOTES
PF01	URINAL	SLOAN	WASHDOWN URINAL WITH SLOANTEC GLAZE	SU-7019-STG	VITREOUS CHINA	
PF02	TOILET, WALL-HUNG	SLOAN	WALL-MOUNTED WATER CLOSET WITH SLOAN TEX GLAZE	ST-2469-STG	VITREOUS CHINA	
PF03	SINK BASIN	SLOAN	AERDEC	CUSTOM	TBD	
PF04	FAUCET	SLOAN	BASYS COLLECTION HARDWIRED-POWERED DECK-MOUNTED MID BODY	EPX-200	POLISHED CHROME	
PF05	SOAP DISPENSER	SLOAN	BASYS COLLECTION	ESD-400-CP	POLISHED CHROME	
PF06	TOILET FLUSH VALVE	SLOAN	CX CONCEALED SENSOR WATER CLOSET FLUSHOMETER	CX 8158	BRUSHED STAINLESS STEEL	
PF07	URINAL FLUSH VALVE	SLOAN	CX CONCEALED SENSOR URINAL FLUSHOMETER	CX 8158	BRUSHED STAINLESS STEEL	
PF08	HAND DRYER	SLOAN	BASYS COLLECTION	EHD-511	POLISHED CHROME	

TOILET ACCESSORY SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	NAME	MODEL	FINISH	NOTES
TA02	TOILET PAPER DISPENSER	ASI	SURFACE-MOUNTED TWIN JUMBO ROLL TOILET TISSUE DISPENSER	0039	SATIN STAINLESS STEEL	TICKETING
TA04	COAT HOOK	BRADLEY	FINO SURFACE-MOUNTED COAT HOOK	9124	SATIN STAINLESS STEEL	TICKETING; PROVIDE (2) IN EVERY RESTROOM. REFER TO DRAWINGS FOR ADDITIONAL LOCATIONS. PROVIDE BLOCKING IN WALL AND SUPPORT ANCHORS TO SUPPORT FULLY-LOADED COAT HOOK.
TA06	TOILET SEAT COVER DISPENSER	BRADLEY	HIGH CAPACITY SURFACE MOUNTED SEAT COVER DISPENSER	583	SATIN STAINLESS STEEL	TICKETING
TA07	SANITARY NAPKIN DISPOSAL	BRADLEY	ELVARI NAPKIN DISPOSAL- SURFACE MOUNTED	482-11	SATIN STAINLESS STEEL	TICKETING
TA08/TA22	VANITY MIRROR	BRADLEY	ELECTRICITY LED LIGHTED MIRROR	42" W x 42" H x 1.76" D	N/A	TICKETING; INSTALL 3M ANTI-GRAFFITI FILM ON ALL MIRRORS
TA11	WASTE RECEPTACLE	RUBBERMAID	REFINE SLIM - 15 GALLON	2147581	STAINLESS STEEL	TICKETING
TA12 SR	PAPER TOWEL DISPENSER - SEMI-RECESSED	BOBRICK	SIMPLICITY AUTOMATIC ROLL TOWEL DISPENSER - SEMI-RECESSED	B-29744	STAINLESS STEEL	TICKETING
TA13.18	ADA VERTICAL GRAB BAR (18")	BOBRICK	18" GRAB BAR WITH CONCEALED MOUNTING	B-3005 x 18	SATIN STAINLESS STEEL	TICKETING
TA13.24	GRAB BAR (24")	BRADLEY	24" GRAB BAR WITH CONCEALED MOUNTING	812-001-24	SATIN STAINLESS STEEL	TICKETING
TA13.54	GRAB BAR (54")	BRADLEY	54" GRAB BAR WITH CONCEALED MOUNTING	812-001-54	SATIN STAINLESS STEEL	TICKETING
TA13.5436	ADA L-SHAPE GRAB BAR (54" X 36")	BOBRICK	TWO-WALL HORIZONTAL GRAB BAR	B-88137	SATIN STAINLESS STEEL	TICKETING

FINISH MATERIALS LEGEND

[TR] TRANSITIONS

CODE: TR-1 DESCRIPTION: NEW TERRAZZO TO EXISTING TERRAZZO FLOOR MANUFACTURER: SCHLUTER SYSTEMS CONTACT: HEIDI GUTHRIE: 224.291.7481; HGUTHRIE@SCHLUTER.COM STYLE: SCHLUTER - SHEINE TYPE: STAINLESS FINISH: #4 SATIN SIZE: COORDINATE WITH SCHEDULED FLOOR FINISHES LOCATION: REFER TO FLOOR FINISH PLAN
CODE: TR-2 DESCRIPTION: TERRAZZO METAL DIVIDER STRIP TYPE: ALUMINUM SIZE: COORDINATE WITH SCHEDULED FLOOR FINISHES LOCATION: REFER TO FLOOR FINISH PLAN
CODE: TR-3 DESCRIPTION: GENERAL OUTSIDE CORNER TILE WALL PROFILE MANUFACTURER: SCHLUTER SYSTEMS CONTACT: HEIDI GUTHRIE: 224.291.7481; HGUTHRIE@SCHLUTER.COM STYLE: SCHLUTER - QUADEC TYPE: STAINLESS FINISH: SATIN #4 SIZE: COORDINATE WITH TILE LOCATIONS
CODE: TR-4 DESCRIPTION: CORNER TILE WALL PROFILE AT QUARTZ SLAB STYLE: MILGO SUPPIN (OR EQUAL) TYPE: STAINLESS FINISH: SATIN #4 SIZE: COORDINATE WITH TILE LOCATIONS NOTE: 15/16"X15/16"; PROVIDE GAUGE SO NOT TO DENT OR DIMPLE
CODE: TR-5 NOT USED
CODE: TR-6 DESCRIPTION: MILLWORK 18" POST TERMINATION MANUFACTURER: FRY REGLET MATERIAL: ALUMINUM TYPE: MWPT2350 FINISH: CLEAR ANODIZED
CODE: TR-7 DESCRIPTION: MILLWORK 1/4" POST OUTSIDE CORNER MANUFACTURER: FRY REGLET MATERIAL: ALUMINUM TYPE: MWPOSC2350 FINISH: CLEAR ANODIZED

[TL] TILING

CODE: TL-1 DESCRIPTION: WALL TILE MANUFACTURER: STONE PEAK CONTACT: Melyng Camillo: 312.508.2800 ; mcamillo@stonepeakceramics.com COLLECTION: HIGHLAND 2.0 TYPE: PORCELAIN TILE COLOR: WHITE FINISH: POLISHED SIZE: 120"x60" GROUT: LATICRETE #44 BRIGHT WHITE 1/16" TILE THICKNESS: 9MM TILE DIRECTION: VERTICAL INSTALL LOCATION: GENERAL WALL TILE
CODE: TL-2 DESCRIPTION: WALL TILE MANUFACTURER: CAMBRIA USA CONTACT: REBECCA LUCHARDT: 248.797.7306; rebecca.black@cambriausa.com COLLECTION: CLARE MARBLE COLLECTION COLOR: COLOR GROUP GRAY FINISH: POLISHED SIZE: 16"x12" THICKNESS: 2CM GROUT: LATICRETE #78 STERLING SILVER 1/16" LOCATION: VANITY MIRROR WALL

[SS] SOLID SURFACE

CODE: SS-1 DESCRIPTION: VANITY COUNTER STONE/SHELF AT LAVATORY MANUFACTURER: LXHAUSYS MATERIAL: WATERLO COLOR: FORTE THICKNESS: 1/2" LOCATION: COUNTERTOPS NOTE: PROVIDE SEAMING DIAGRAM WITH SUBMITTAL
CODE: TZ-1 DESCRIPTION: EPOXY TERRAZZO FLOOR MANUFACTURER: TBD MATERIAL: AGGREGATE BASED ON REF. SAMPLE COLOR: LIGHT GREY WITH WHITE & GREY GLASS FINISH: POLISHED, TOP COAT SEALER THICKNESS: PER MANUFACTURER SPECIFICATIONS NOTE: SUBMIT SAMPLES FOR REVIEW
CODE: TZ-2 DESCRIPTION: EPOXY TERRAZZO WALL BASE MANUFACTURER: TBD MATERIAL: AGGREGATE BASED ON REF. SAMPLE COLOR: LIGHT GREY WITH WHITE & GREY GLASS FINISH: POLISHED SIZE: 8" H NOTE: TO MATCH TZ-1

[P] PAINT

CODE: PT-1 DESCRIPTION: GENERAL DOOR PAINT MANUFACTURER: SHERWIN WILLIAMS NUMBER: SW 7009 COLOR: AGREEABLE GRAY FINISH: SEMI-GLOSS
CODE: PT-2 DESCRIPTION: CEILING PAINT MANUFACTURER: BENJAMIN MOORE MATERIAL: AURA WATERBORN COLOR: PM-1 SUPER WHITE FINISH: MATTE (520) & SEMI-GLOSS (528) LOCATION: SEE WALL FINISH PLAN
CODE: PT-3 DESCRIPTION: FAMILY ROOM DOOR MANUFACTURER: BENJAMIN MOORE COLLECTION: CLASSICS NUMBER: 1591 COLOR: STERLING FINISH: SATIN ON DOORS NOTE: SEE ELEVATIONS
CODE: PT-4 DESCRIPTION: BOH WALL PAINT MANUFACTURER: BENJAMIN MOORE NUMBER: OC-57 COLOR: WHITE HERON FINISH: EGGSHELL AT WALLS NOTE: SEE WALL FINISH PLAN

METAL

CODE: MT-2 DESCRIPTION: STAINLESS STEEL FINISH: BRUSHED WIDTH: 18 GAUGE LOCATION: RE. PLANS AND ELEVATIONS.
--

[FL] FILM

CODE: FL-1 DESCRIPTION: CEILING ADHESIVE MANUFACTURER: 3M DESIGNTEX CONTACT: TANYA ROMANELLI: 810.444.8797; TROMANANELLI@DESIGNTEX.COM COLLECTION: 3M D140C COLOR: HG-1205 FINISH: HIGH GLOSS SIZE: 48 INCHES - WIDTH CONTENT: 50% POLYESTER, 50% VINYL THICKNESS: 8 MILS (0.2MM) LOCATION: REFER TO DRAWINGS
--

[CL] CEILING

CODE: CL-1 DESCRIPTION: PAINTED GYPSUM BOARD CEILING COLOR: PAINT TO MATCH PT-2 FINISH: FLAT ON CEILINGS
CODE: CL-2 DESCRIPTION: CEILING FILM MATERIAL: FL-1 SIZE: REFER TO RCP LOCATION: REFER TO RCP NOTE: GYPSUM BOARD TO RECEIVE LEVEL 5 FINISH. APPLY SPECIFIED FINISH FL-1 TO ACCESS PANELS WHERE OCCURS
CODE: CL-3 DESCRIPTION: CEILING LAMINATE MATERIAL: PL-1 LOCATION: REFER TO RCP
CODE: CL-4 DESCRIPTION: ACOUSTICAL PANEL CEILING MANUFACTURER: ARMSTRONG COLLECTION: ULTIMA TYPE: SQUARE LAY-IN COLOR: WHITE SIZE: 24" X 24" CONSTRUCTION: SUSPENDED INSTALLATION GRID SIZE: PRELUDE 1616" GRID COLOR: BUZZARD WHITE LOCATION: ELECTRICAL, JANITOR CLOSET

[B] BASE

CODE: B-1 MANUFACTURER: JOHNSONITE CONTACT: LAURIE BAATZ: 440.313.8238; LBAATZ@JOHNSONITE.COM TYPE: COVER AT RESIDENT VACT, STRAIGHT AT CARPET COLOR: #68 WHITE SAND SIZE: 2 1/2" HIGH X 1/8" THICK NOTE: TO BE USED WITH PT-4. INSTALL ROLLED BAE. DO NOT USE 4" SECTIONS.
CODE: B-2 MANUFACTURER: FORMS + SURFACES CONTACT: CHRIS THOMAS: 574.250-8030 MATERIAL: STAINLESS STEEL FINISH: SANDSTONE SIZE: 12" TALL CONSTRUCTION: FRAMED, LEVEL w/ WALL PANEL SYSTEM THICKNESS: 0.8 mm SUBSTRATE: 3/4" FRT WOOD SUBSTRATE LOCATION: TICKETING RESTROOM EXTERIOR WALL BASE
CODE: B-3 MANUFACTURER: FORMS + SURFACES CONTACT: CHRIS THOMAS: 574.250-8030 MATERIAL: STAINLESS STEEL FINISH: SANDSTONE SIZE: 12" TALL BACKING: 3/4" FRT WOOD SUBSTRATE THICKNESS: 0.8 mm LOCATION: TICKETING RESTROOM PASSAGEWAY WALL BASE FINISH

[GR] GROUT

CODE: GR-1 MANUFACTURER: LATICRETE COLOR: #44 BRIGHT WHITE LOCATION: RE. PLANS AND ELEVATIONS NOTE: TO BE USED WITH TL-1
CODE: GR-2 MANUFACTURER: LATICRETE COLOR: #78 STERLING LOCATION: RE. PLANS AND ELEVATIONS NOTE: TO BE USED WITH TL-2

[PL] PLASTIC LAMINATE

CODE: PL-1 DESCRIPTION: CEILING LAMINATE MANUFACTURER: WILSONART CONTACT: KIMBERLY PATRICO: 947.777.4229; KIMBERLY.PATRICO@WILSONART.COM COLLECTION: WILSONART SOLICOR NUMBER: D354-01 COLOR: DESIGNER WHITE FINISH: HIGH GLOSS LOCATION: REFER TO DRAWINGS
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[WP] WALL PANEL

CODE: WP-1 MANUFACTURER: FORMS + SURFACES CONTACT: CHRIS THOMAS: 574.250-8030 MATERIAL: STAINLESS STEEL FINISH: SANDSTONE SIZE: REFER TO ELEVATIONS BACKING: 3/4" FRT WOOD SUBSTRATE CONSTRUCTION: FRAMED, LEVEL w/ WALL PANEL SYSTEM THICKNESS: 0.8 mm PATTERN NAME: DALLAS LOCATION: TICKETING RESTROOM EXTERIOR FINISH NOTE: RUN PATTERN VERTICALLY, FLUSH 12" STAINLESS STEEL BASE
CODE: WP-2 MANUFACTURER: 3FORM CONTACT: REBECCA BLACK: 313.500-9710 COLOR: AVALANCE (001) FINISH: SANDSTONE SIZE: REFER TO ELEVATIONS THICKNESS: 1/4" LOCATION: TICKETING RESTROOM PASSAGEWAY WALL FINISH NOTE: PROVIDE 1/4" FURRING STRIPS AT 8" O.C. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR ADDITIONAL INFORMATION. REFER TO DRAWINGS FOR REQUIRED METAL TRANSITION PROFILES WHERE INDICATED ON DRAWINGS
CODE: WP-3 MANUFACTURER: 3FORM CONTACT: REBECCA BLACK: 313.500-9710 COLOR: AVALANCE (001) FINISH: STUCCO SIZE: REFER TO ELEVATIONS THICKNESS: 1/4" LOCATION: TICKETING RESTROOM PASSAGEWAY WALL FINISH AT DRINKING FOUNTAIN ALCOVE NOTE: PROVIDE 1/4" FURRING STRIPS AT 8" O.C. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR ADDITIONAL INFORMATION. REFER TO DRAWINGS FOR REQUIRED METAL TRANSITION PROFILES WHERE INDICATED ON DRAWINGS

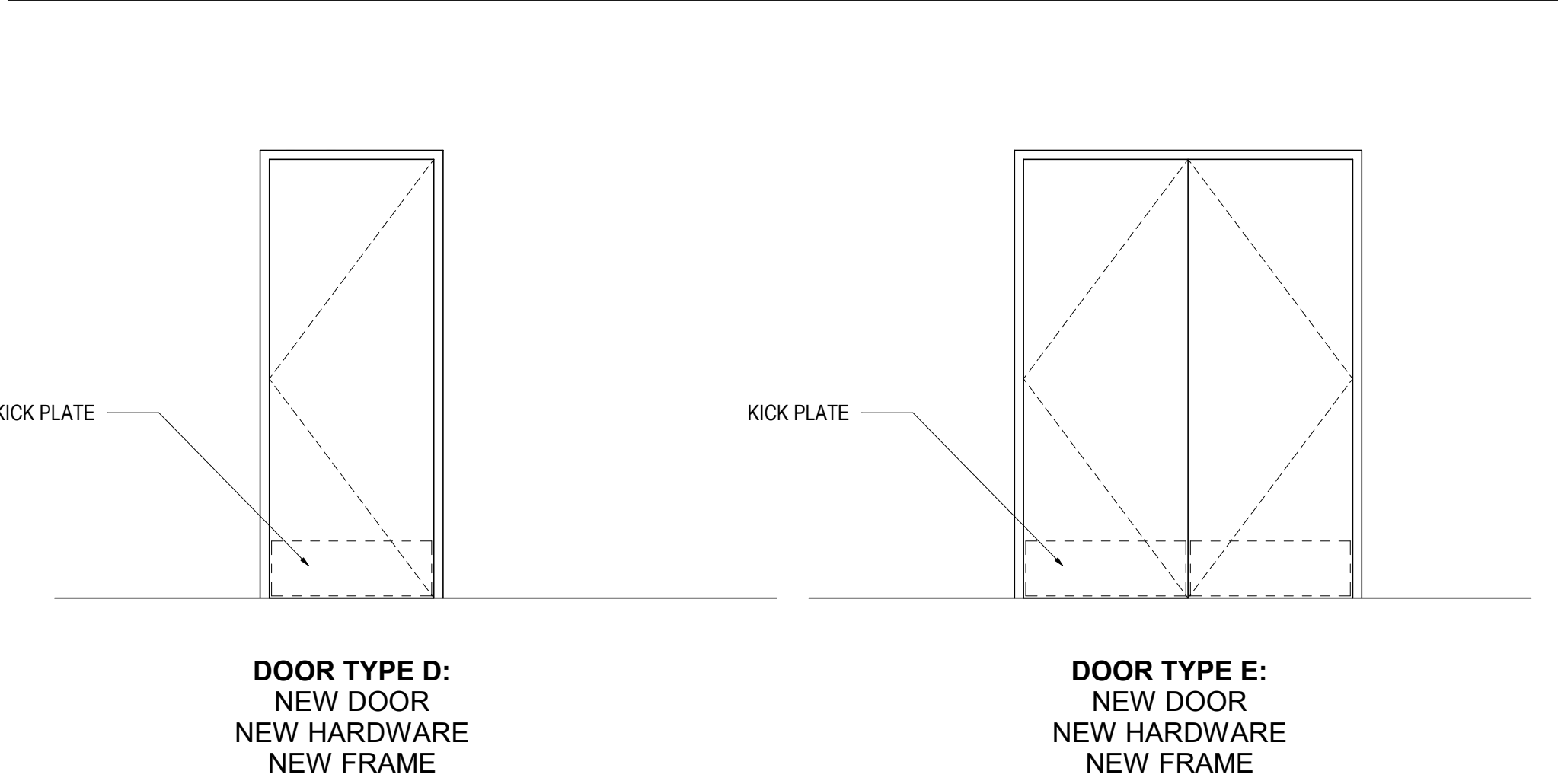
[FRP] FIBERGLASS REINFORCED PLASTIC

CODE: FRP-1 DESCRIPTION: WALL PROTECTION AT MOP SINK MANUFACTURER: MARLITE COLOR: P 145 SILVER FINISH: PEBBLED SIZE: 4" X 8" PANELS PERIM. TRIM: ANODIZED ALUMINUM TRIM PROFILES AS REQUIRED LOCATION: JANITOR CLOSET NOTE: SEE FINISH PLAN
--

DOOR SCHEDULE

DOOR ASSEMBLY							FRAME ASSEMBLY			HARDWARE GROUP
NUMBER	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	
001	FAMILY RESTROOM	F	3'-0"	7'-4"	1 3/4"	HM	PAINT, TBD	HM	PAINT, TBD	NA 1
002	FAMILY RESTROOM	F	3'-0"	7'-4"	1 3/4"	HM	PAINT, TBD	HM	PAINT, TBD	NA 1
003	ELECTRICAL	F	3'-0"	7'-4"	1 3/4"	HM	PAINT, TBD	HM	PAINT, TBD	NA 2
005	JC	E	6'-0"	7'-4"	1 3/4"	HM	PAINT, TBD	HM	PAINT, TBD	NA 3

DOORS TYPES



DOOR TYPE D:
NEW DOOR
NEW HARDWARE
NEW FRAME

DOOR TYPE E:
NEW DOOR
NEW HARDWARE
NEW FRAME

HARDWARE TYPES

NOTE:
1. REFER TO PLANS FOR DOOR LOCATIONS.
2. MATCH EXISTING KEY CORES. CONFIRM WITH CLIENT AND VIF.

HARDWARE SET 1:

QTY	DESCRIPTION	FINISH
4 EA	HINGE	SATIN CHROME
1 EA	PASSAGE LEVER SET	SATIN CHROME
1 EA	THUMBTURN DEADBOLT W/ VACANCY IND.	SATIN CHROME
1 EA	SURFACE CLOSER	SATIN CHROME
1 EA	KICK PLATE	BRUSHED STAINLESS STEEL
1 EA	FLOOR STOP	BLACK
1 EA	GASKETING	SATIN CHROME
1 EA	COAT AND HAT HOOK	

HARDWARE SET 2:

QTY	DESCRIPTION	FINISH
4 EA	HINGE	SATIN CHROME
1 EA	STOREROOM LEVER LOCK	SATIN CHROME
1 EA	SURFACE CLOSER	SATIN CHROME
1 EA	KICK PLATE	SATIN CHROME
1 EA	WALL STOP	SATIN CHROME
1 EA	GASKETING	BLACK

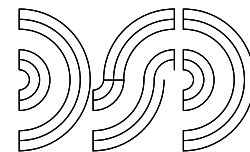
HARDWARE SET 3:

QTY	DESCRIPTION	FINISH
8 EA	HINGE	SATIN CHROME
1 EA	STOREROOM LEVER LOCK	SATIN CHROME
1EA	DUMMY TRIM	SATIN CHROME
1 EA	SURFACE CLOSER	SATIN CHROME
2 EA	KICK PLATE	SATIN CHROME
2 EA	WALL STOP	SATIN CHROME
2 EA	GASKETING	BLACK
1 EA	DUSTPROOF STRIKE	SATIN CHROME
2 EA	FLUSH BOLT, TOP AND BOTTOM	SATIN CHROME

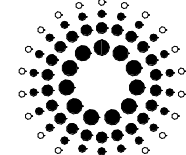
**Wayne County
Airport Authority**
Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242

Gensler

150 West Jefferson
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United States



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Domingo Gonzalez Associates
Architectural Lighting Design
29 Broadway, 3rd Floor
New York, NY 10006
Tel 212.698.4800

△ Date	Description
07.16.26	ISSUE FOR BID

Seal / Signature

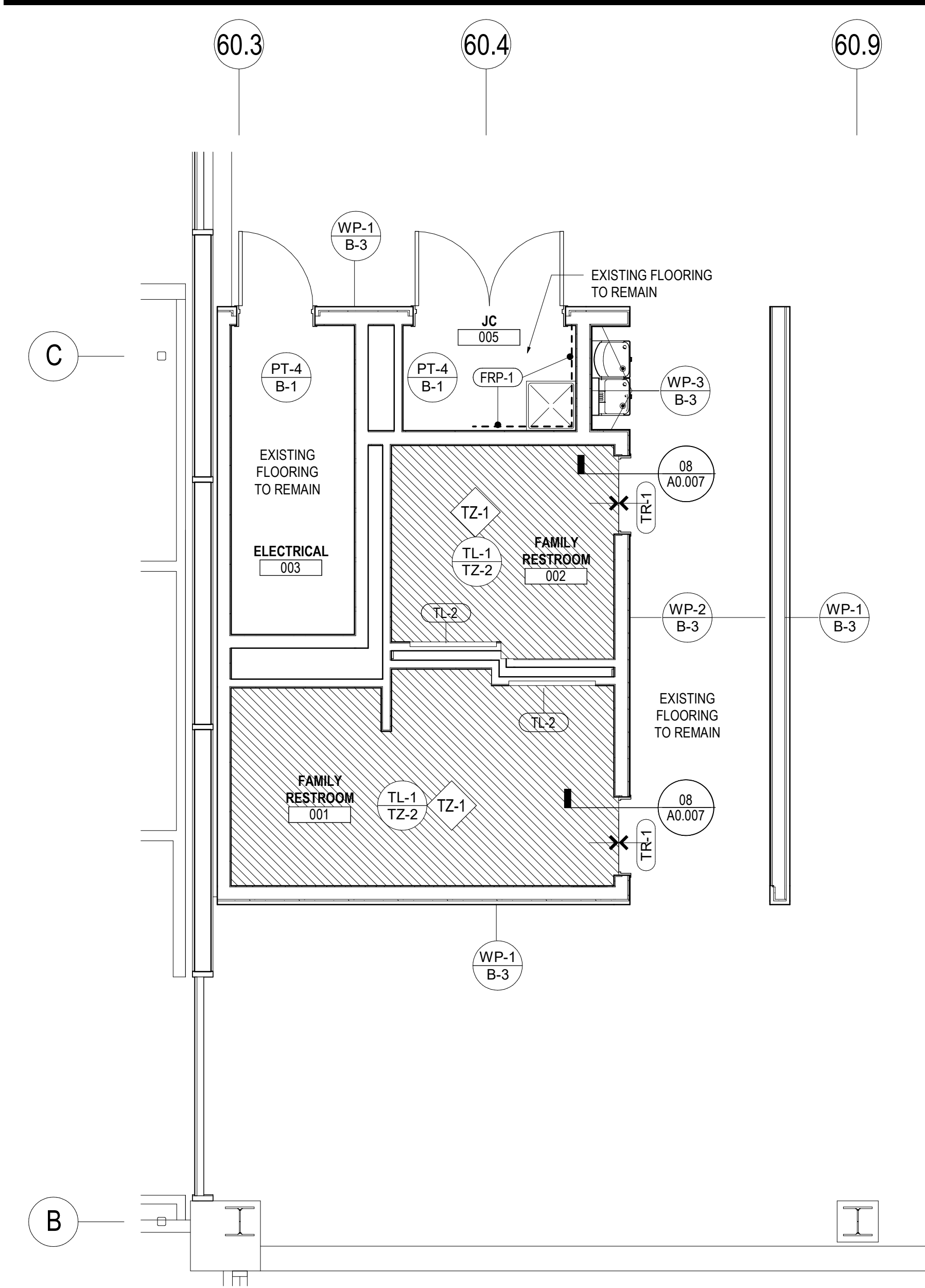
Project Name
Ticketing Hall Restroom

Project Number
10.6424.020

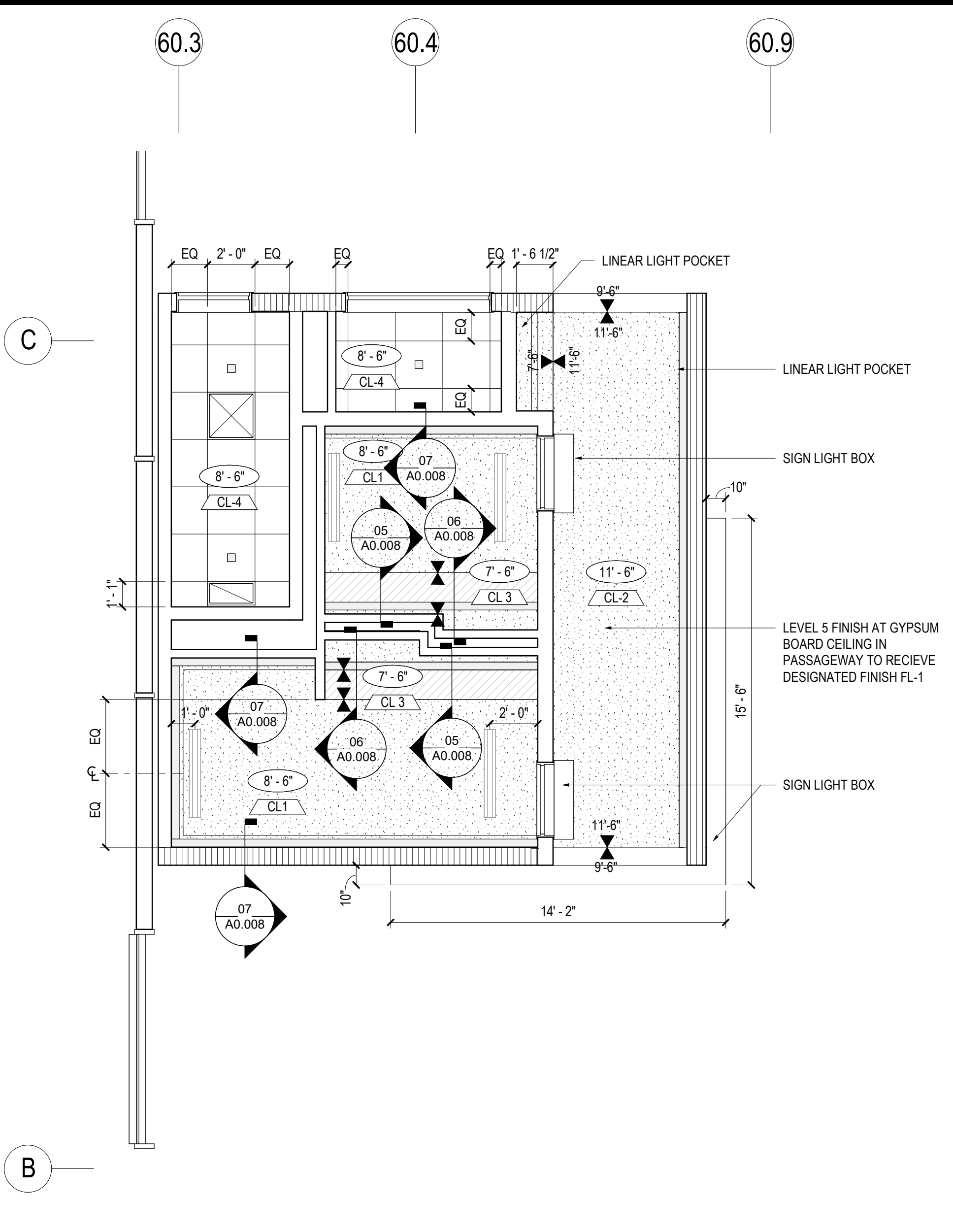
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SCHEDULES & FINISH MATERIALS
LEGEND

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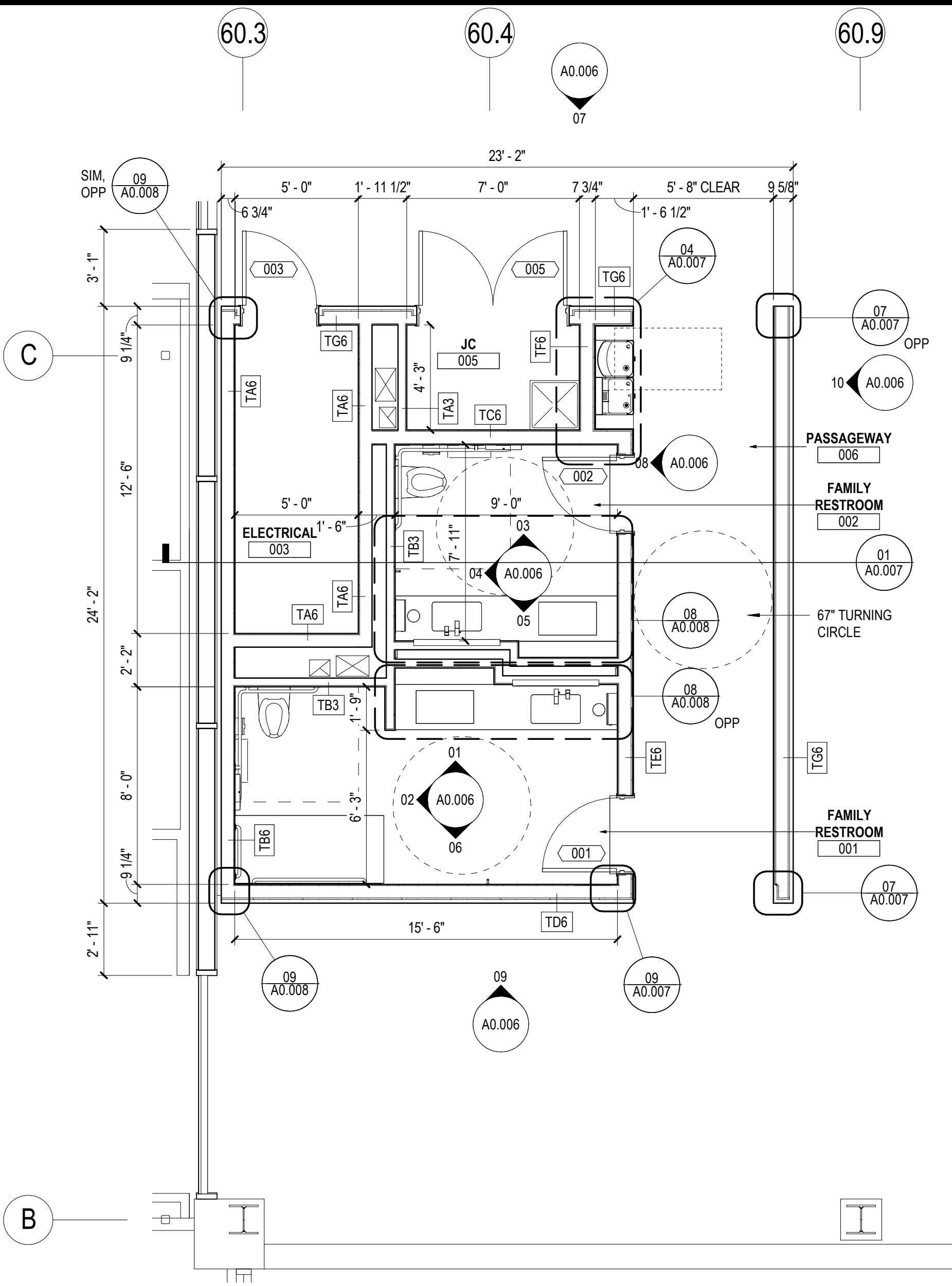
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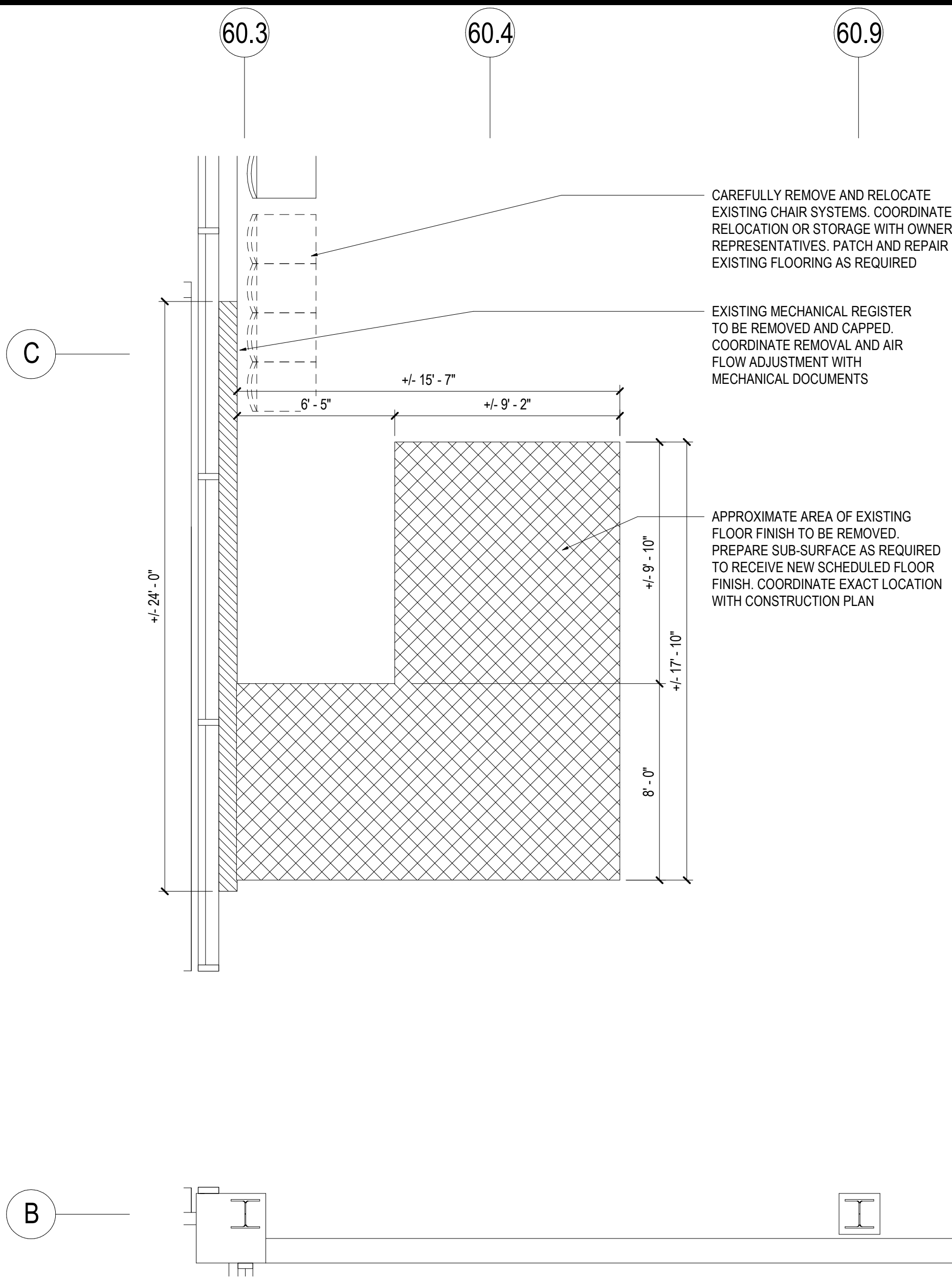
04 TICKETING - FINISH PLAN
SCALE: 1/4" = 1'-0"



03 TICKETING - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



02 TICKETING - CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



01 TICKETING - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

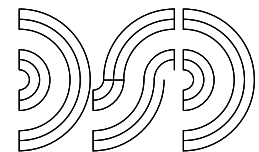
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	07.16.26	ISSUE FOR BID

Seal / Signature

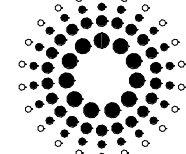
Project Name
Ticketing Hall Restroom
Project Number
10.6424.020
Description
PLANS

Scale
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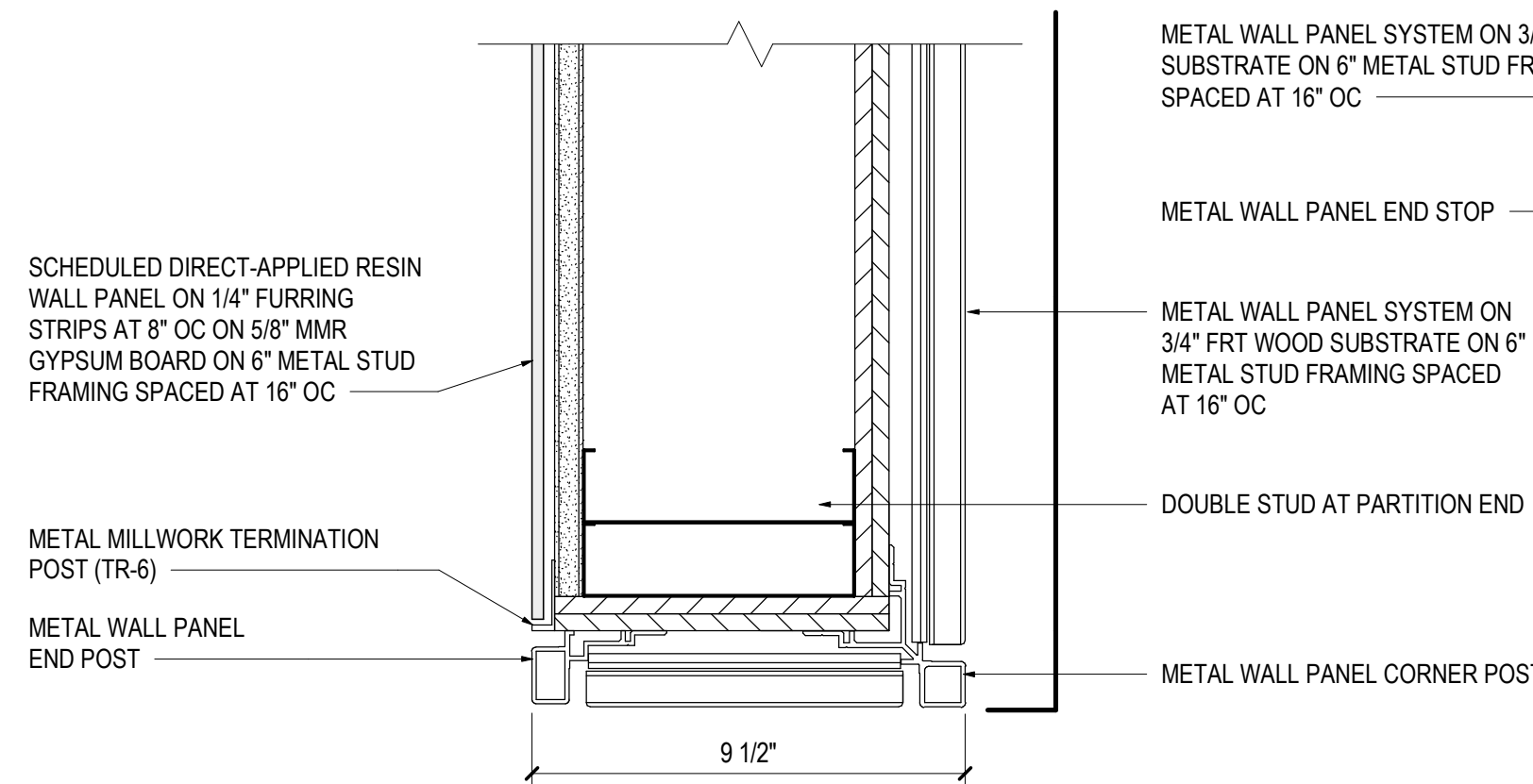
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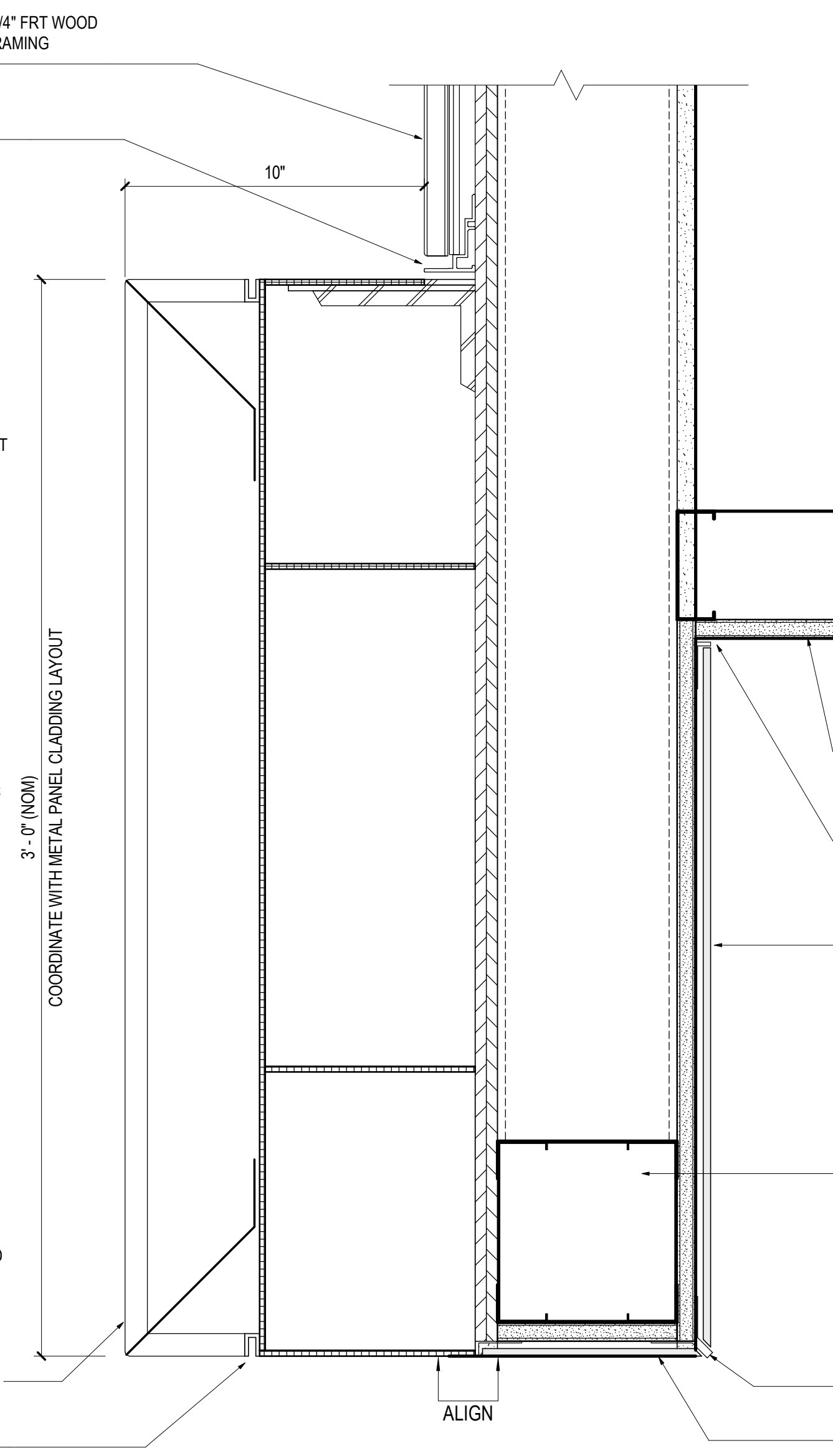
11 TICKETING - SECTION DETAIL

SCALE: 3" = 1'-0"



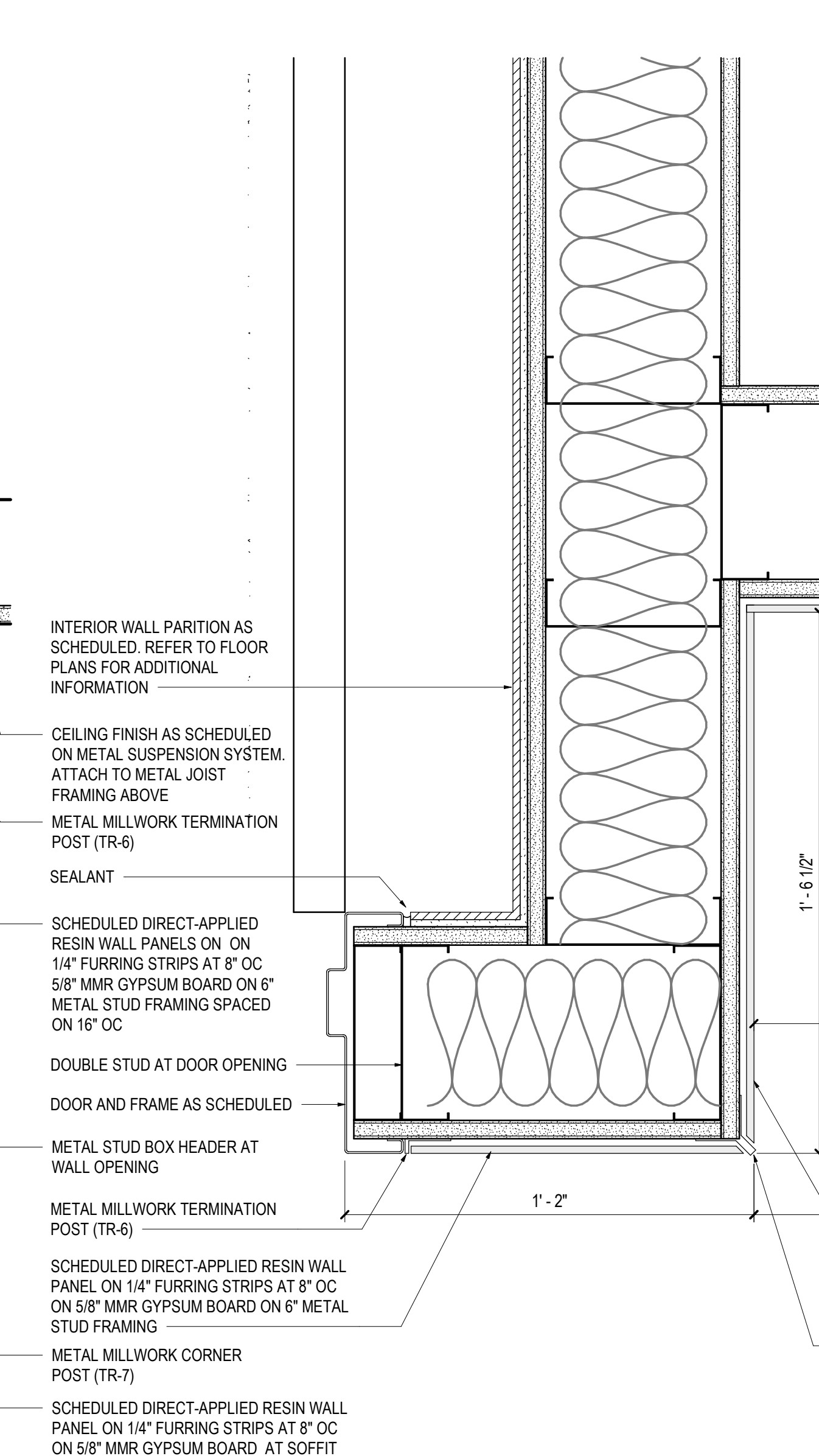
10 TICKETING - BASE SECTION DETAIL

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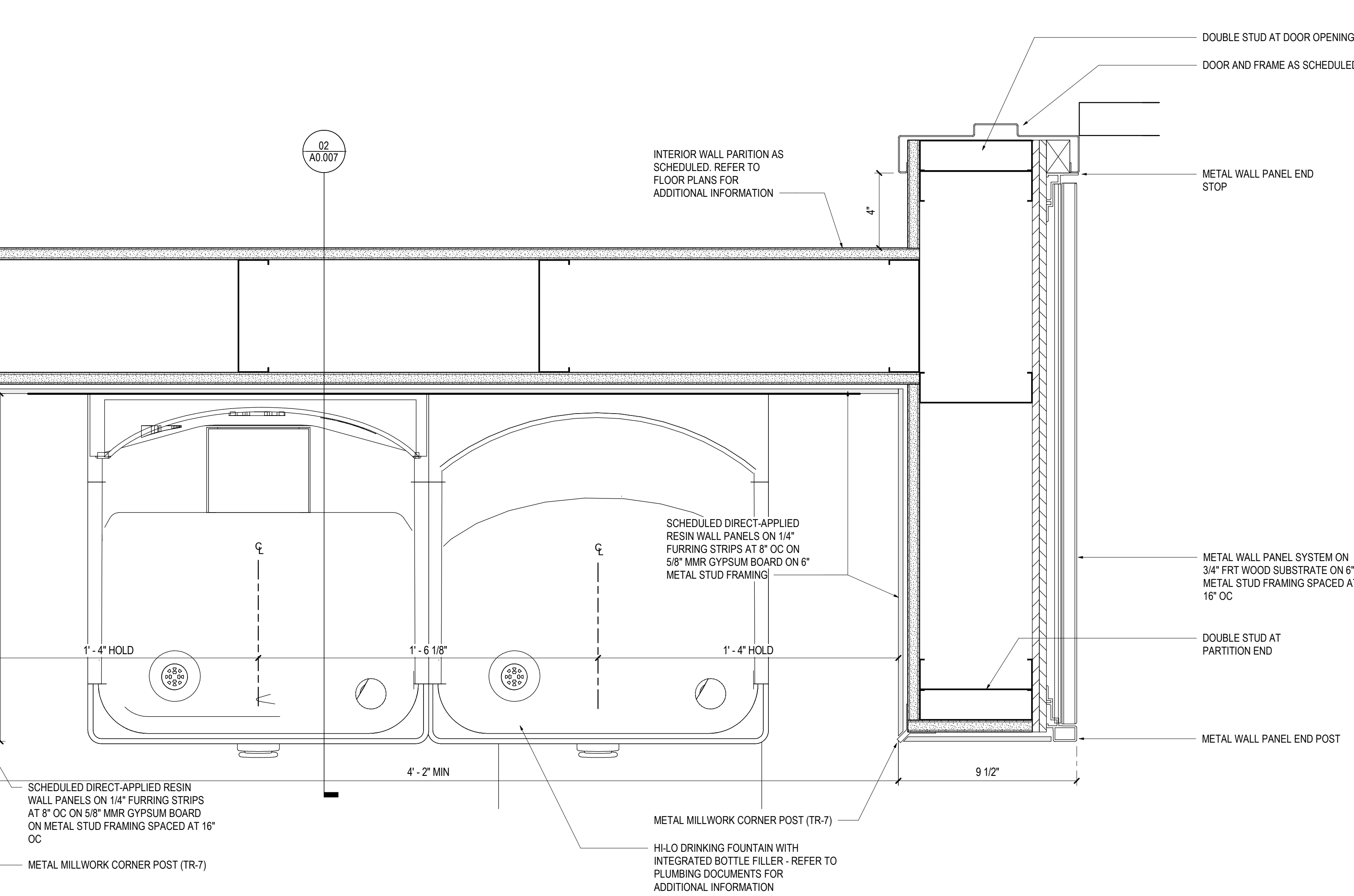
09 TICKETING - PLAN DETAIL

SCALE: 3" = 1'-0"



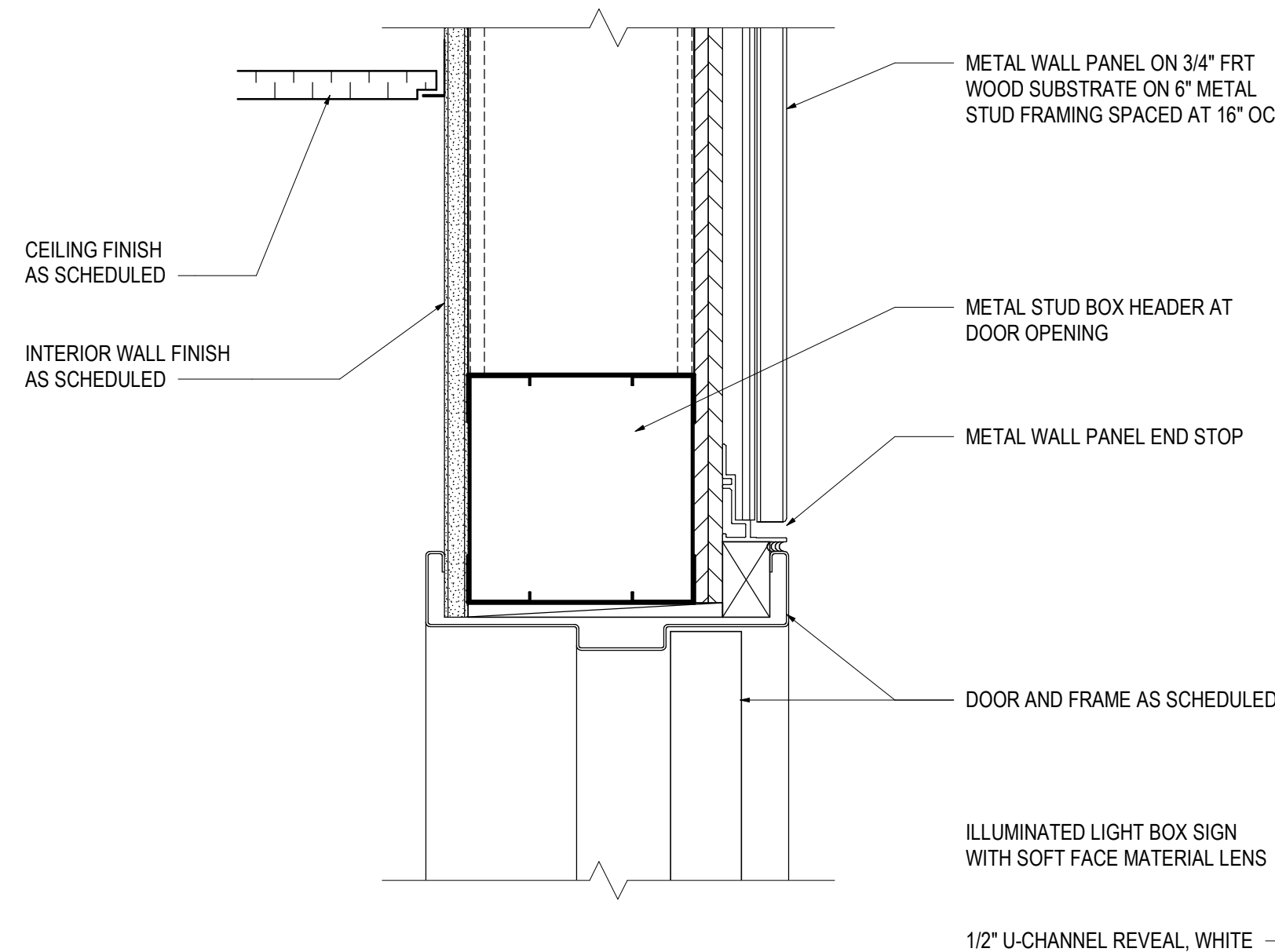
08 TICKETING - THRESHOLD DETAIL

SCALE: 6" = 1'-0"



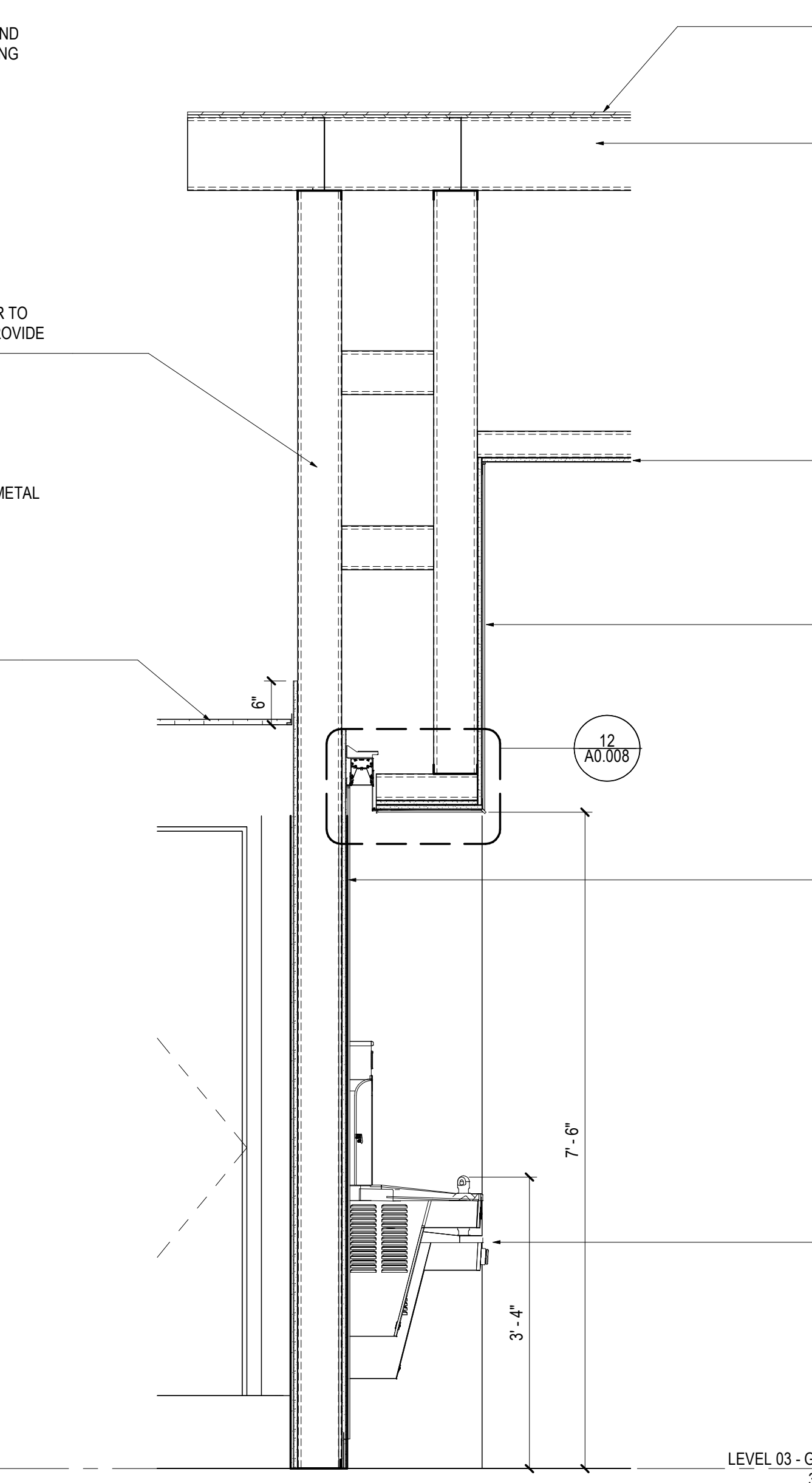
07 TICKETING - SCREEN PLAN DETAIL

SCALE: 3" = 1'-0"



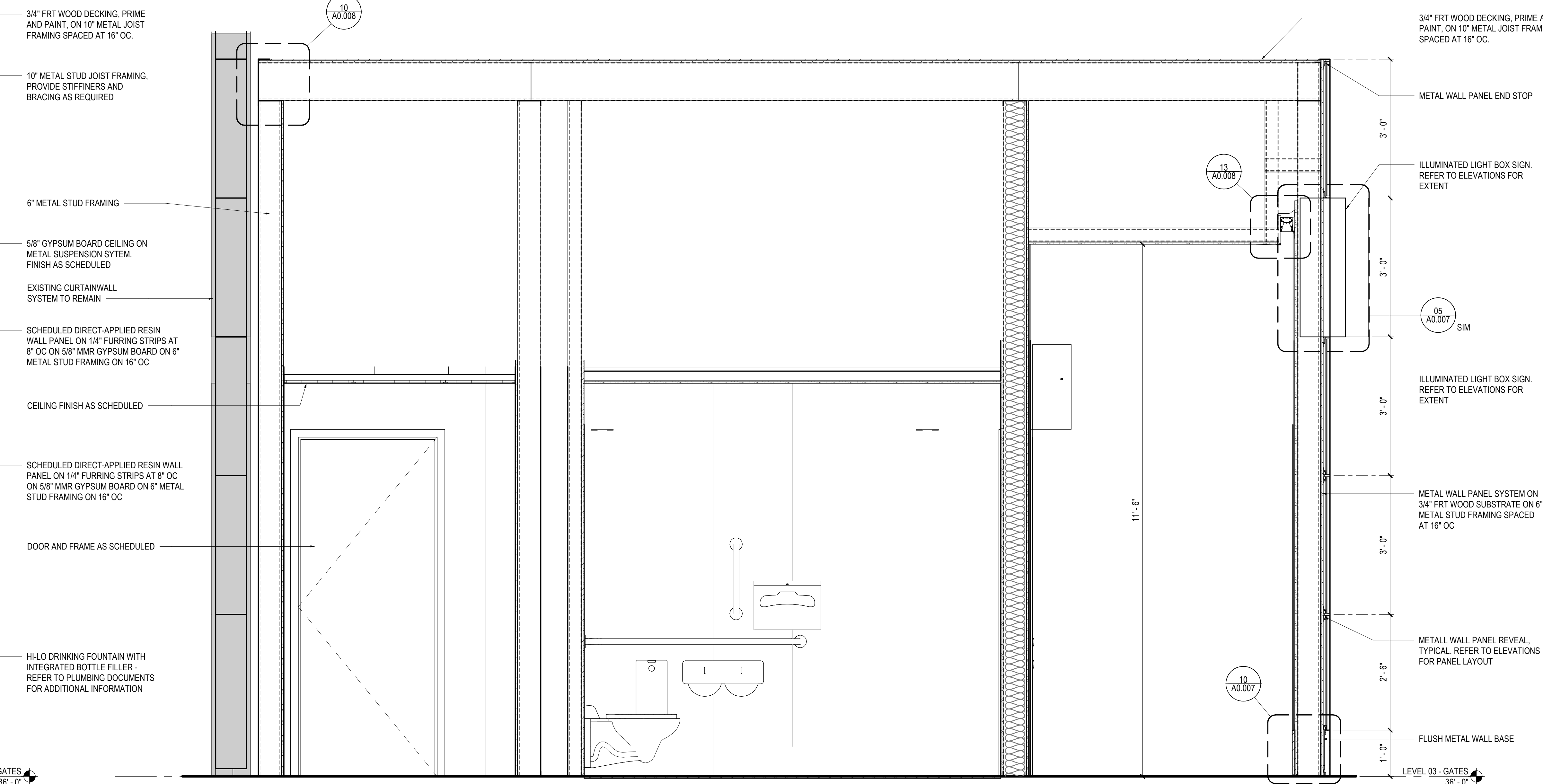
05 TICKETING - HEADER SECTION DETAIL

SCALE: 3" = 1'-0"



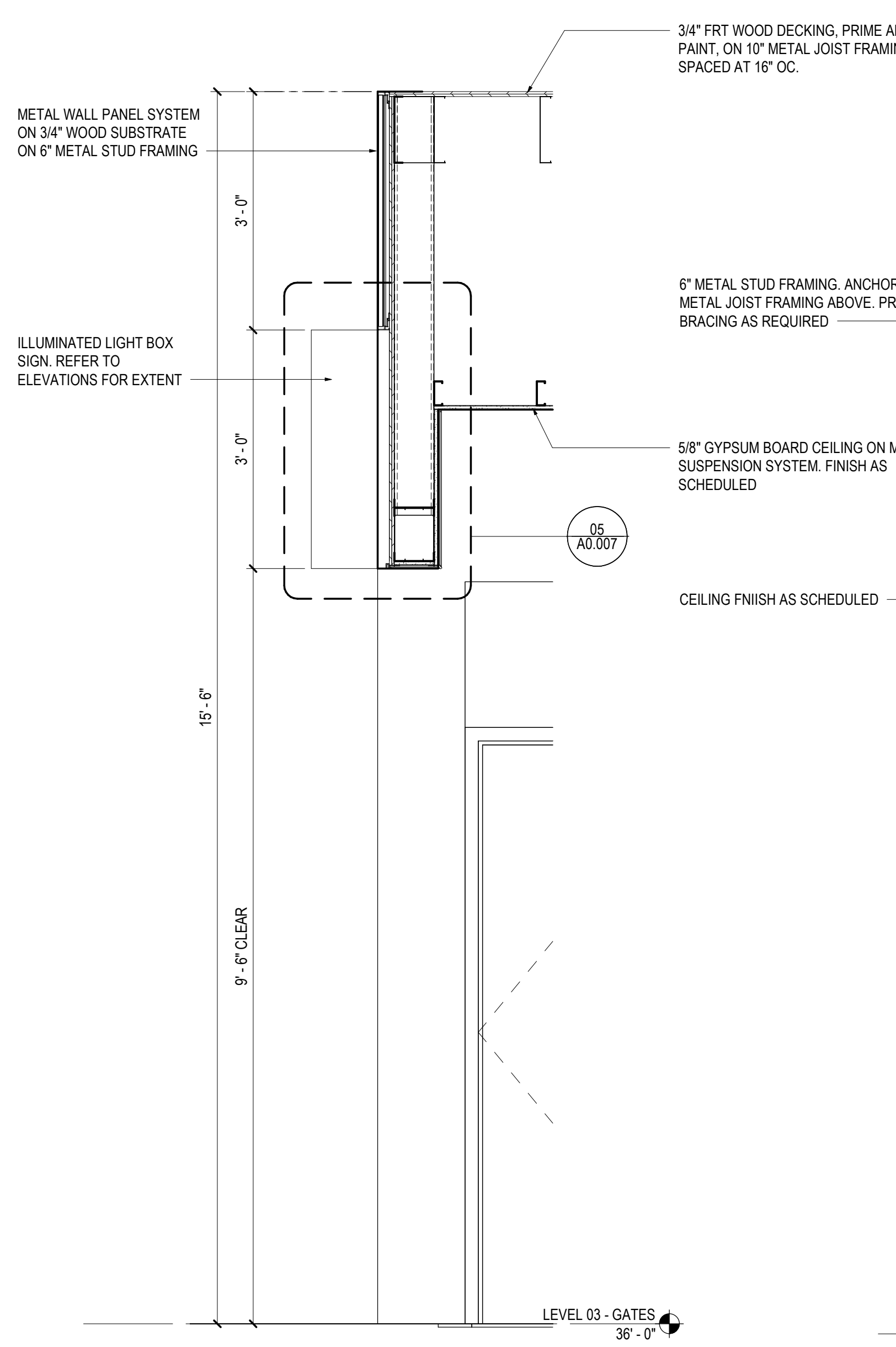
04 TICKETING - DRINKING FOUNTAIN PLAN

SCALE: 3" = 1'-0"



06 TICKETING - DOOR HEAD DETAIL

SCALE: 3" = 1'-0"



03 TICKETING - WALL SECTION

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



02 TICKETING - DF ALCOVE SECTION

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



01 TICKETING - BUILDING SECTION

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



△ Date	Description
07.16.26	ISSUE FOR BID

Seal / Signature

Project Name

Ticketing Hall Restroom

Project Number

10.6424.020

Description

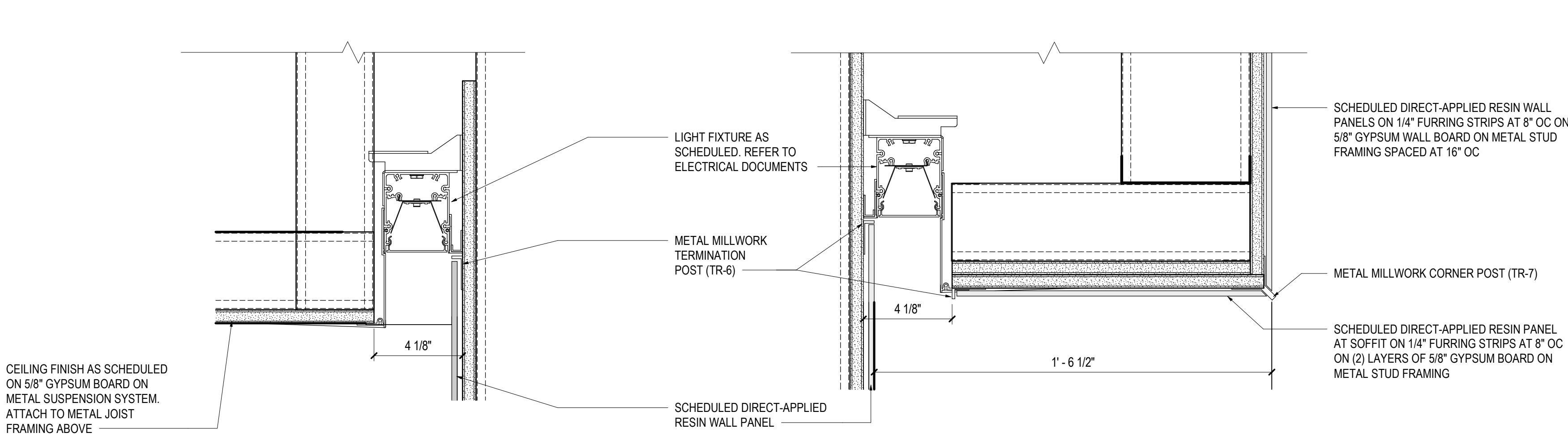
SECTION DETAILS

Scale

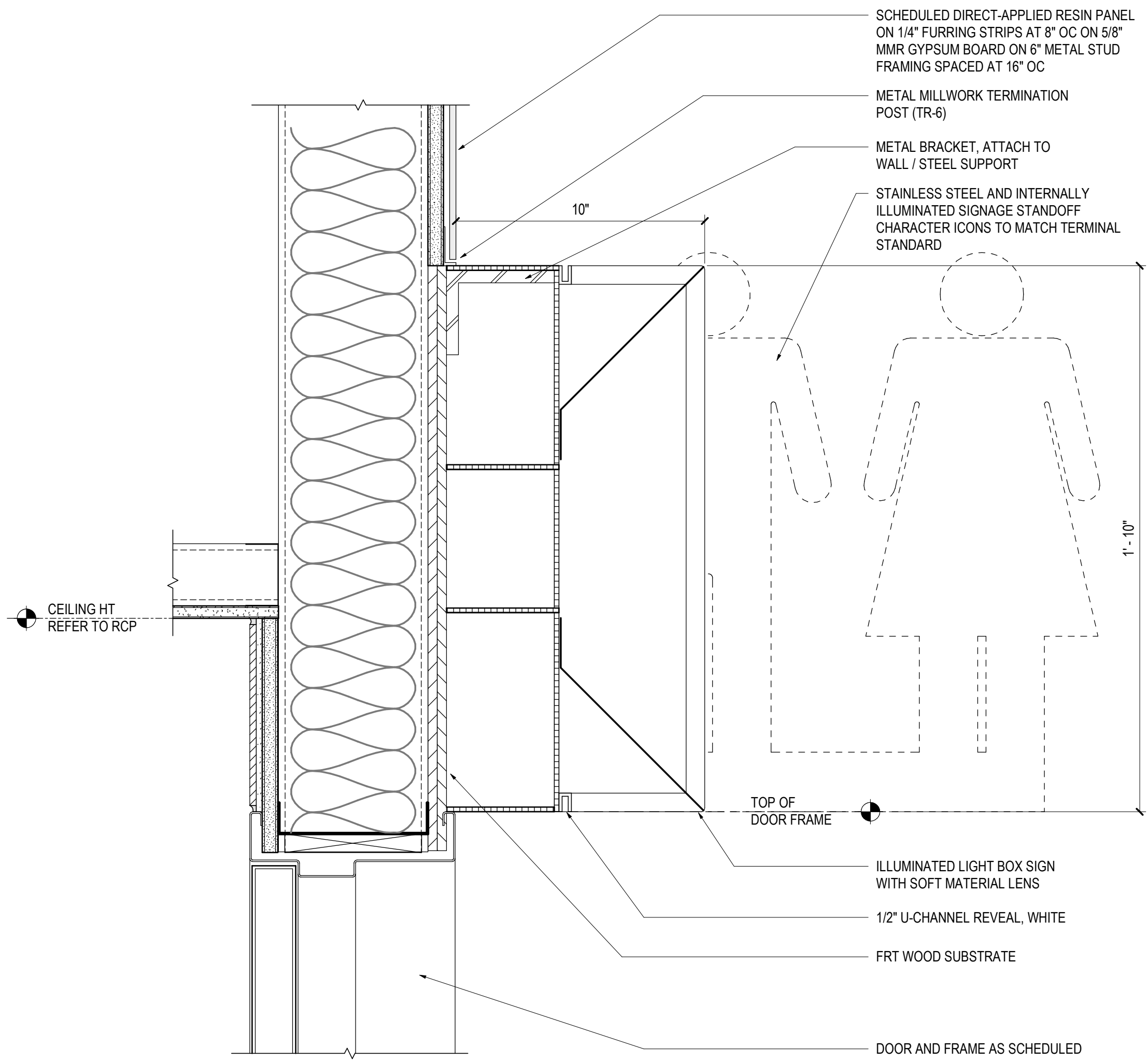
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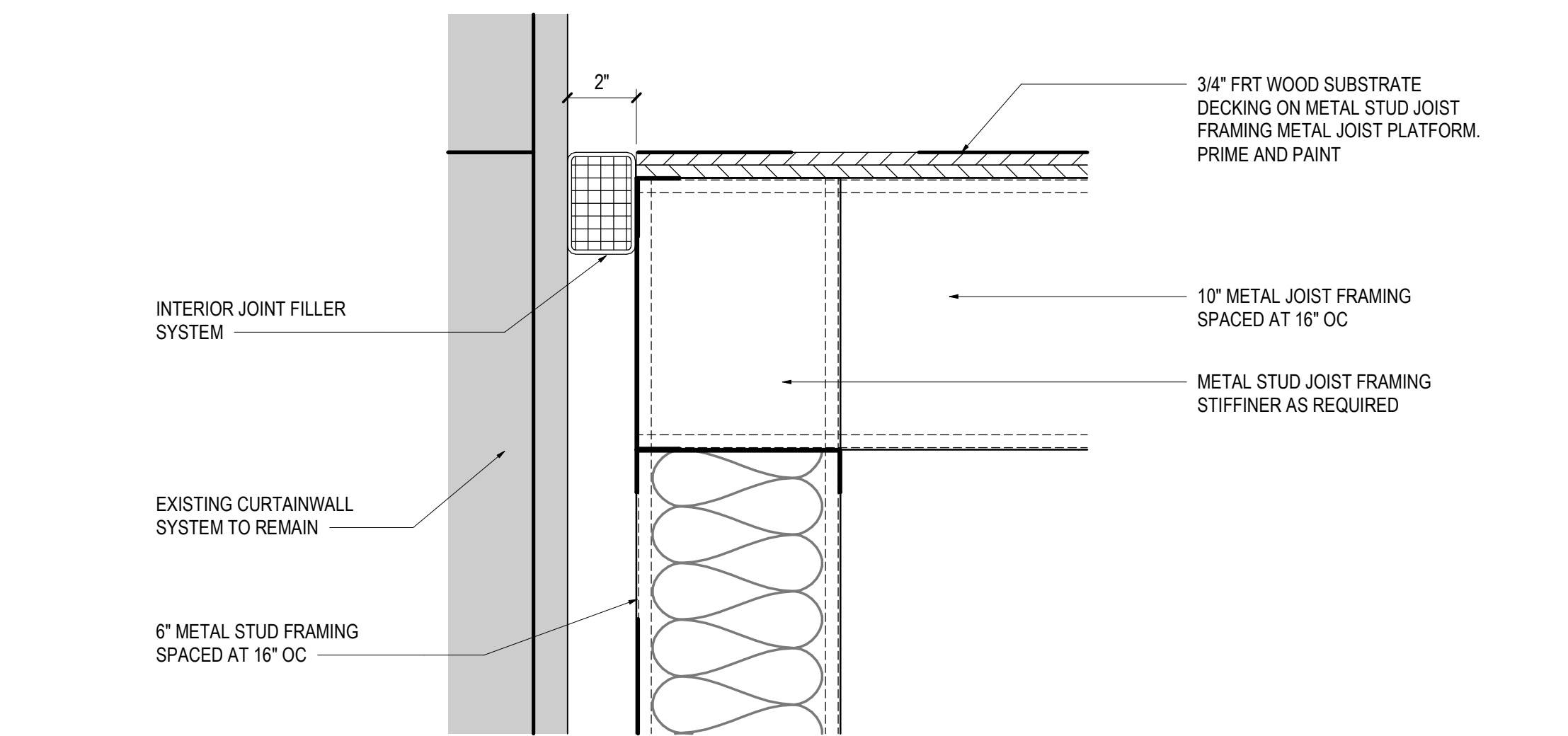
13 TICKETING - LIGHT COVE
SCALE: 3" = 1'-0"



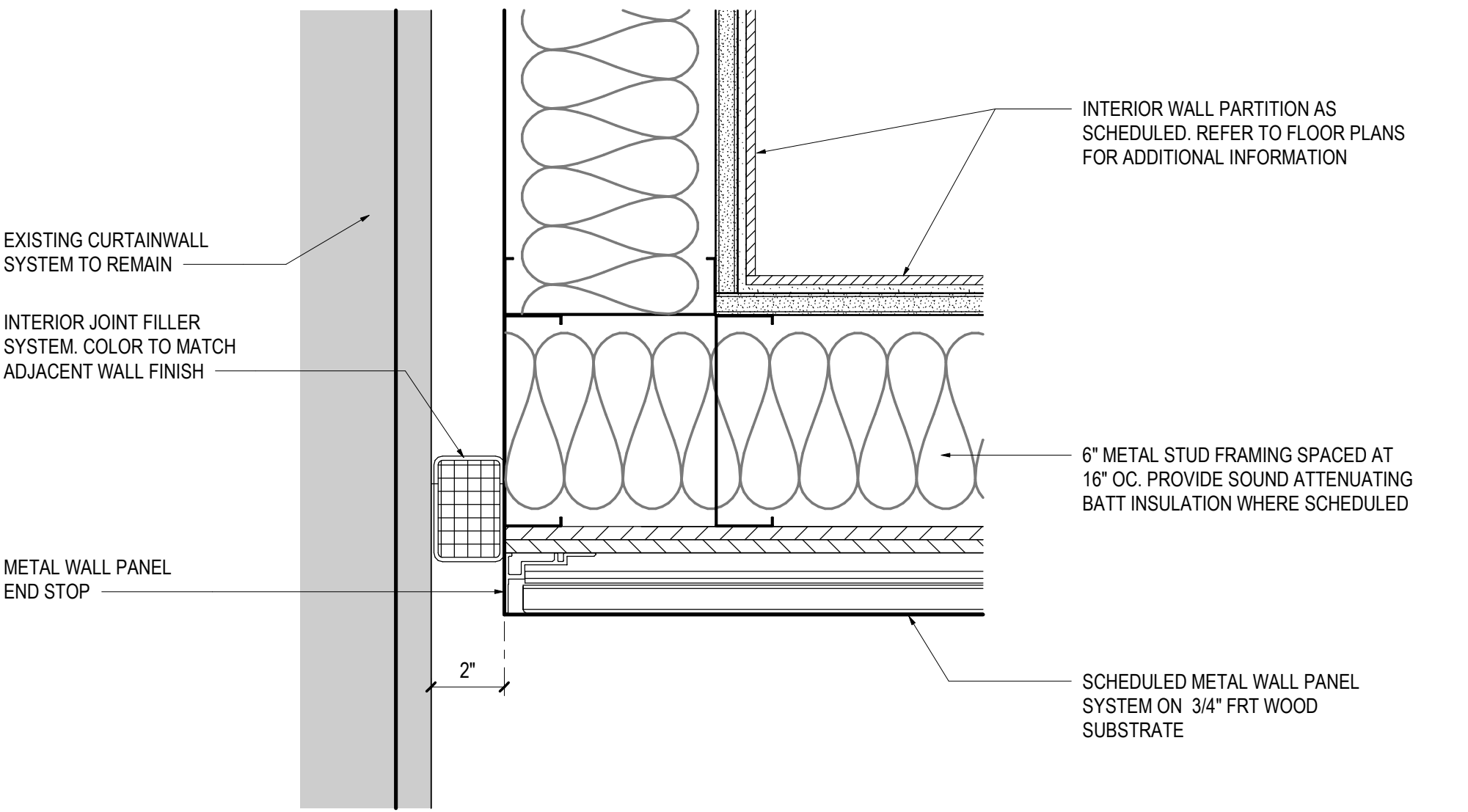
12 TICKETING - ALCOVE SOFFIT DETAIL
SCALE: 3" = 1'-0"



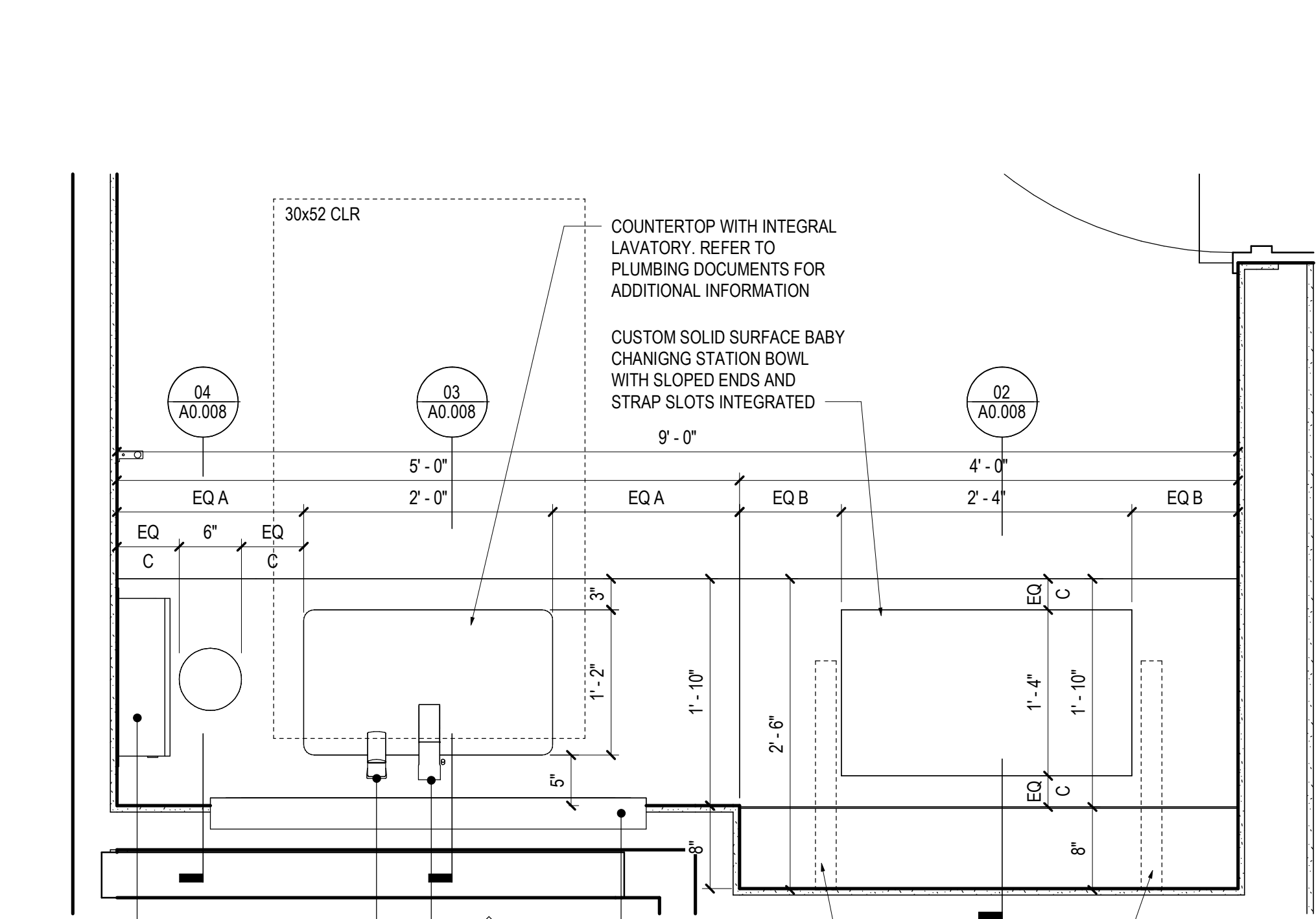
11 TICKETING - FAMILY RESTROOM ENTRY HEAD DETAIL
SCALE: 3" = 1'-0"



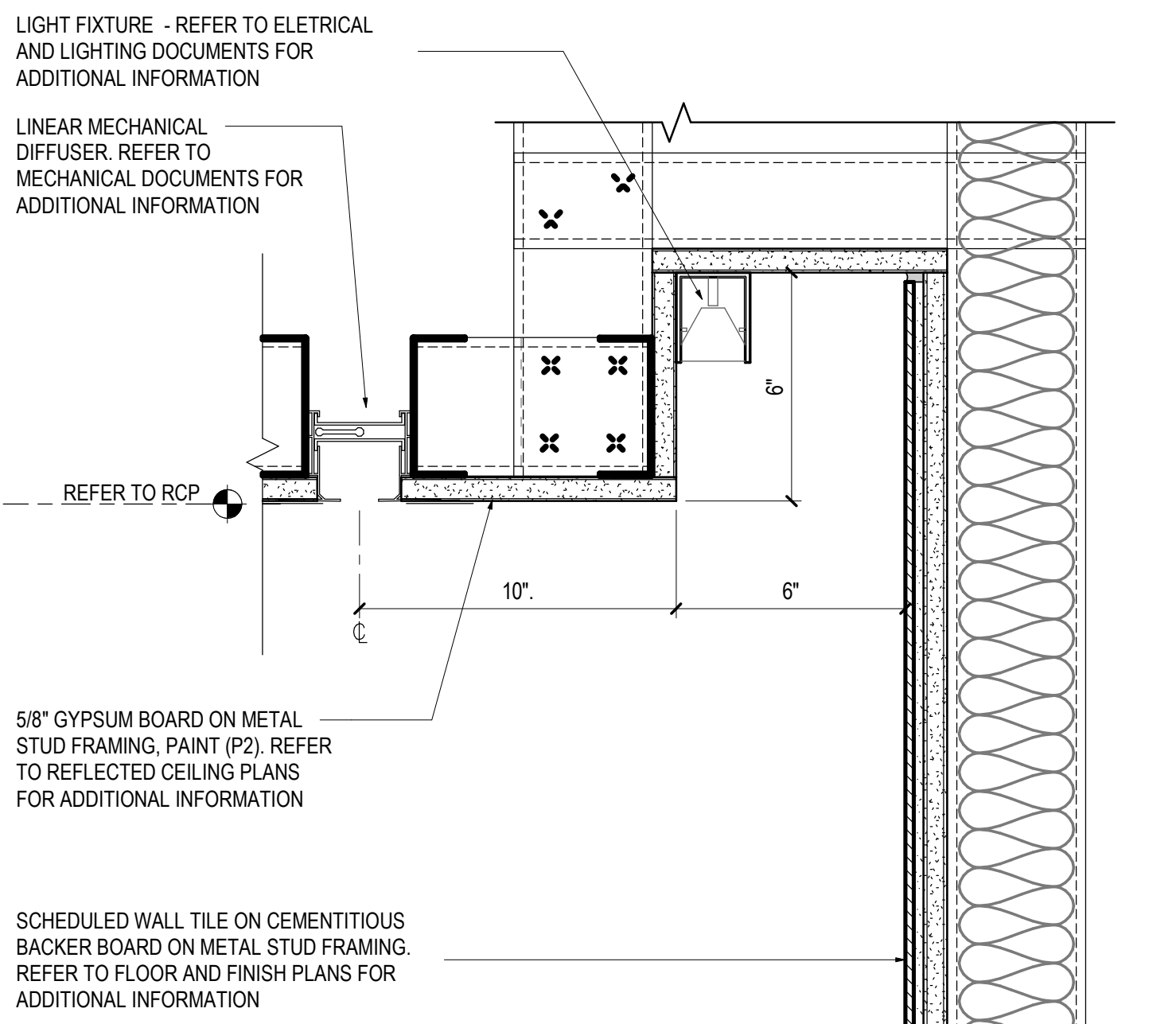
10 TICKETING - SECTION DETAIL
SCALE: 3" = 1'-0"



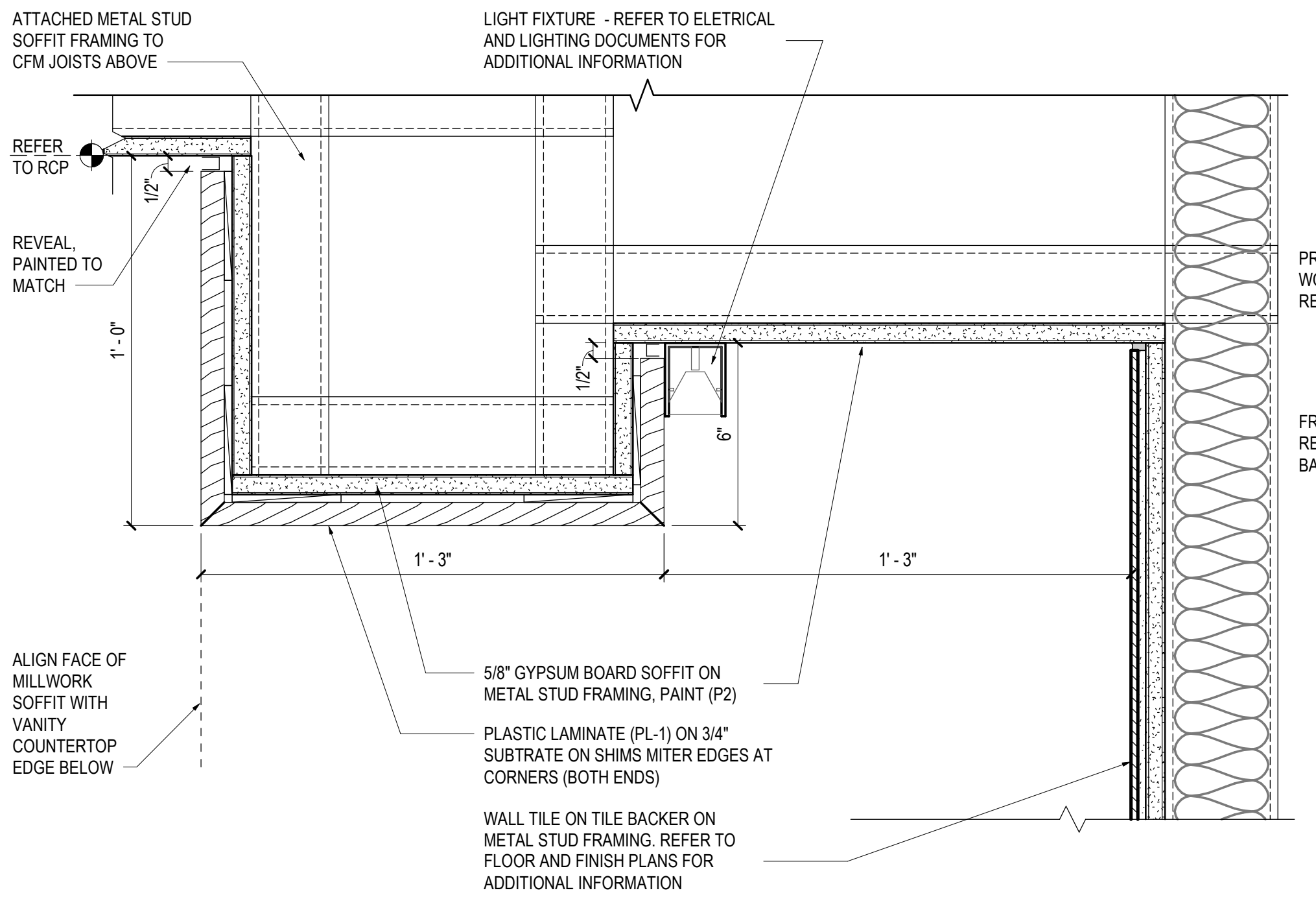
09 TICKETING - PLAN DETAIL
SCALE: 3" = 1'-0"



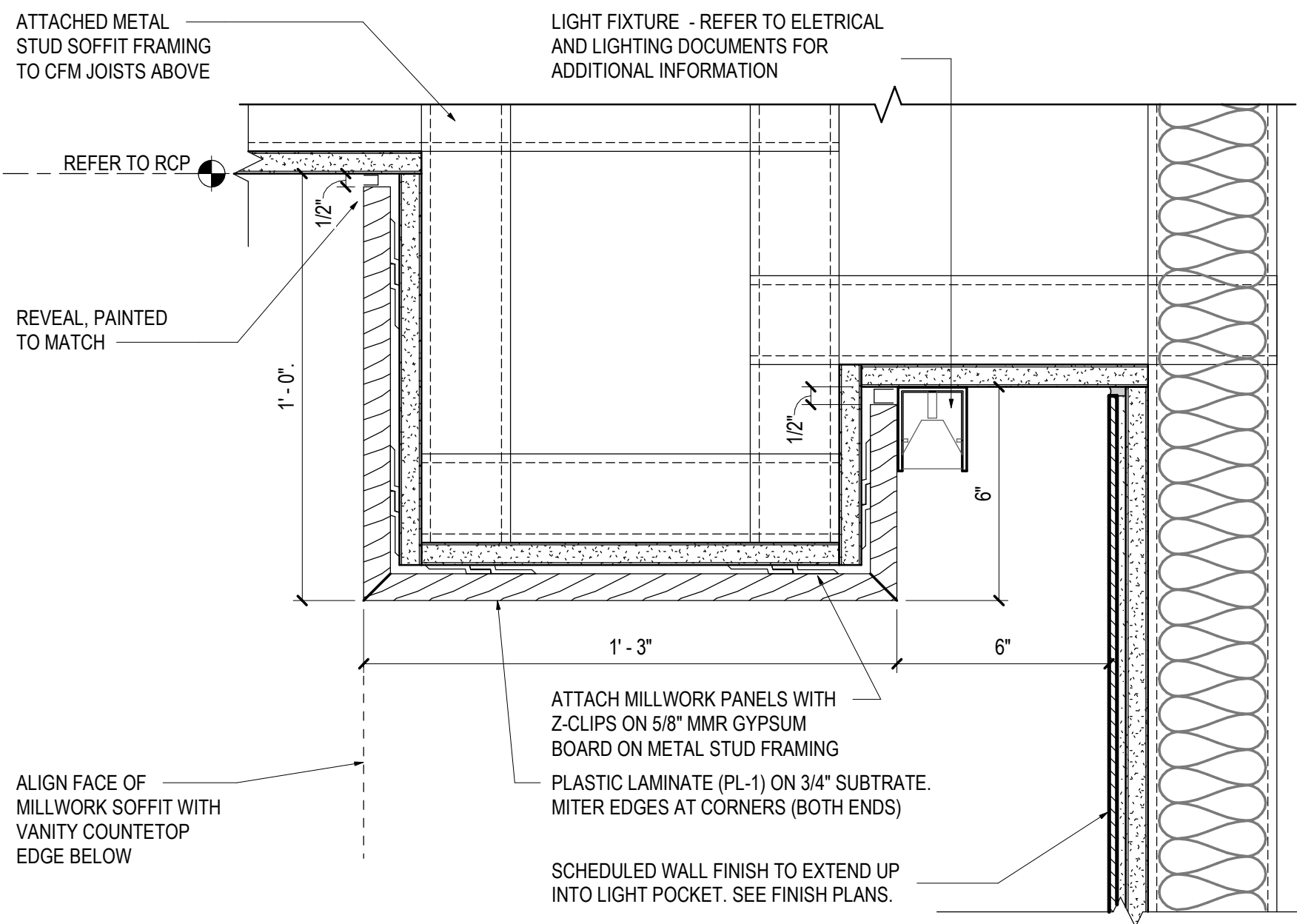
08 TICKETING - LAVATORY ENLARGED
SCALE: 1" = 1'-0"



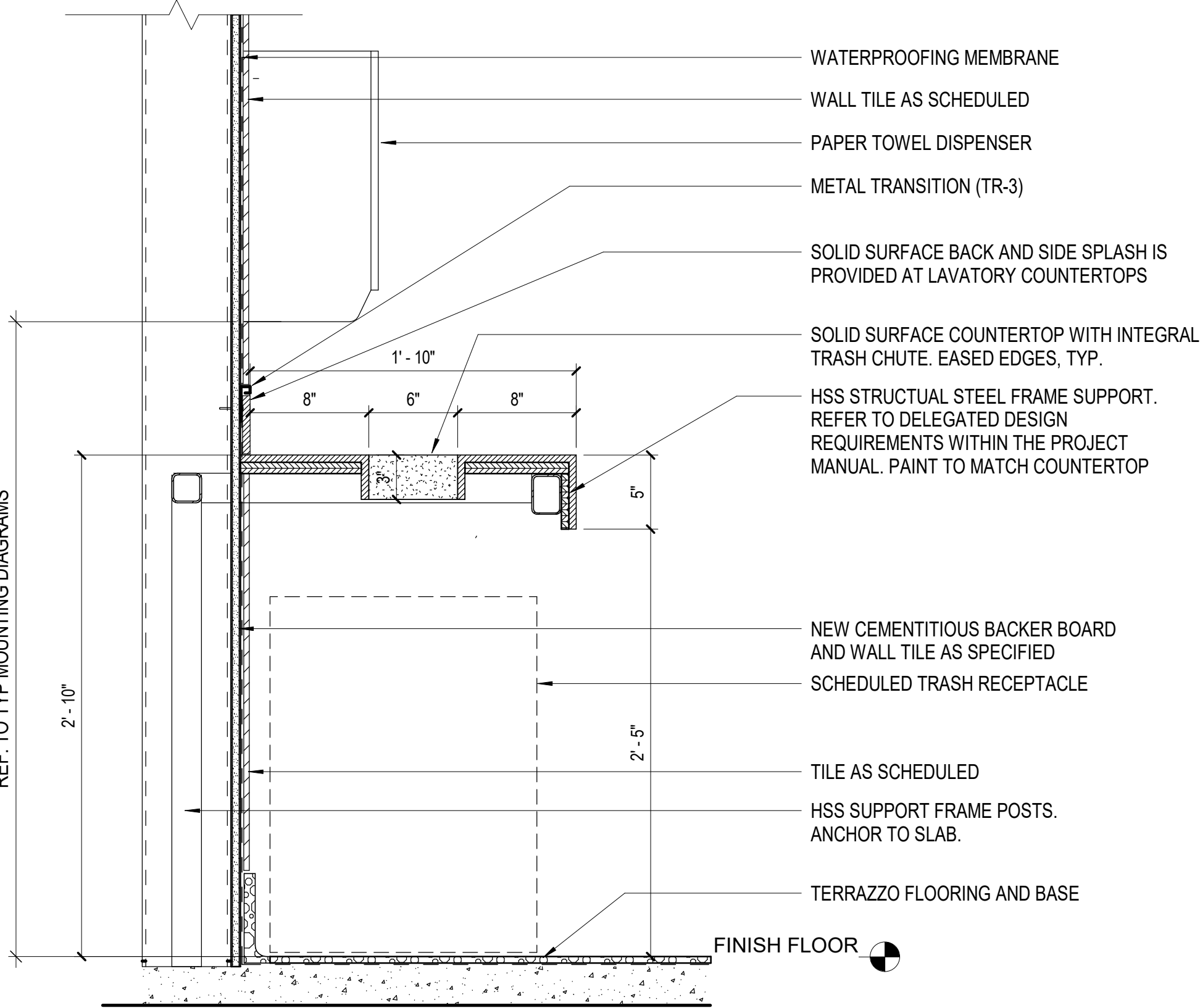
07 TICKETING - LIGHT AT WALL
SCALE: 3" = 1'-0"



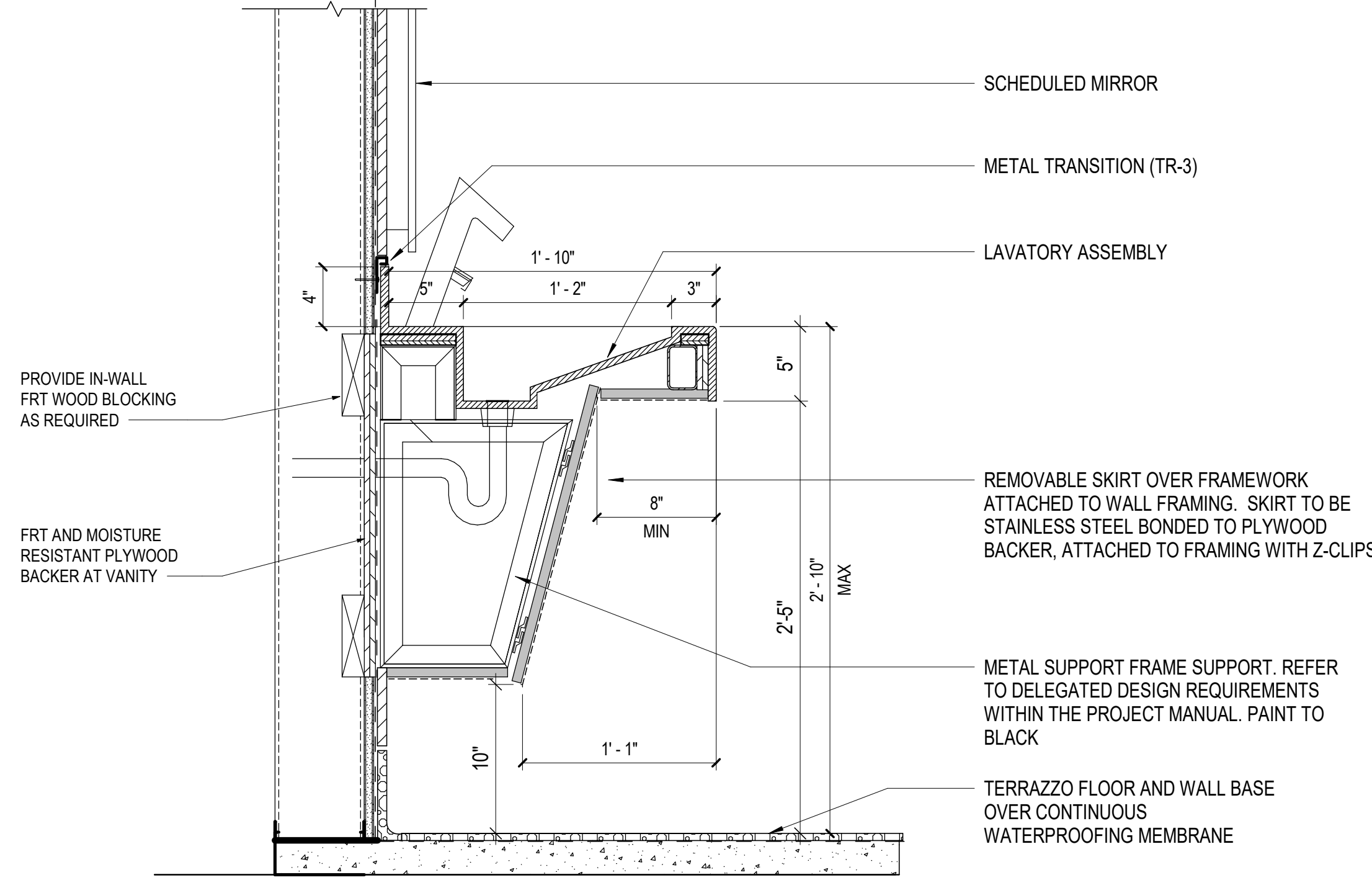
06 TICKETING - LAMINATE CEILING AND 14" LIGHT COVE @ FAMILY RR
SCALE: 3" = 1'-0"



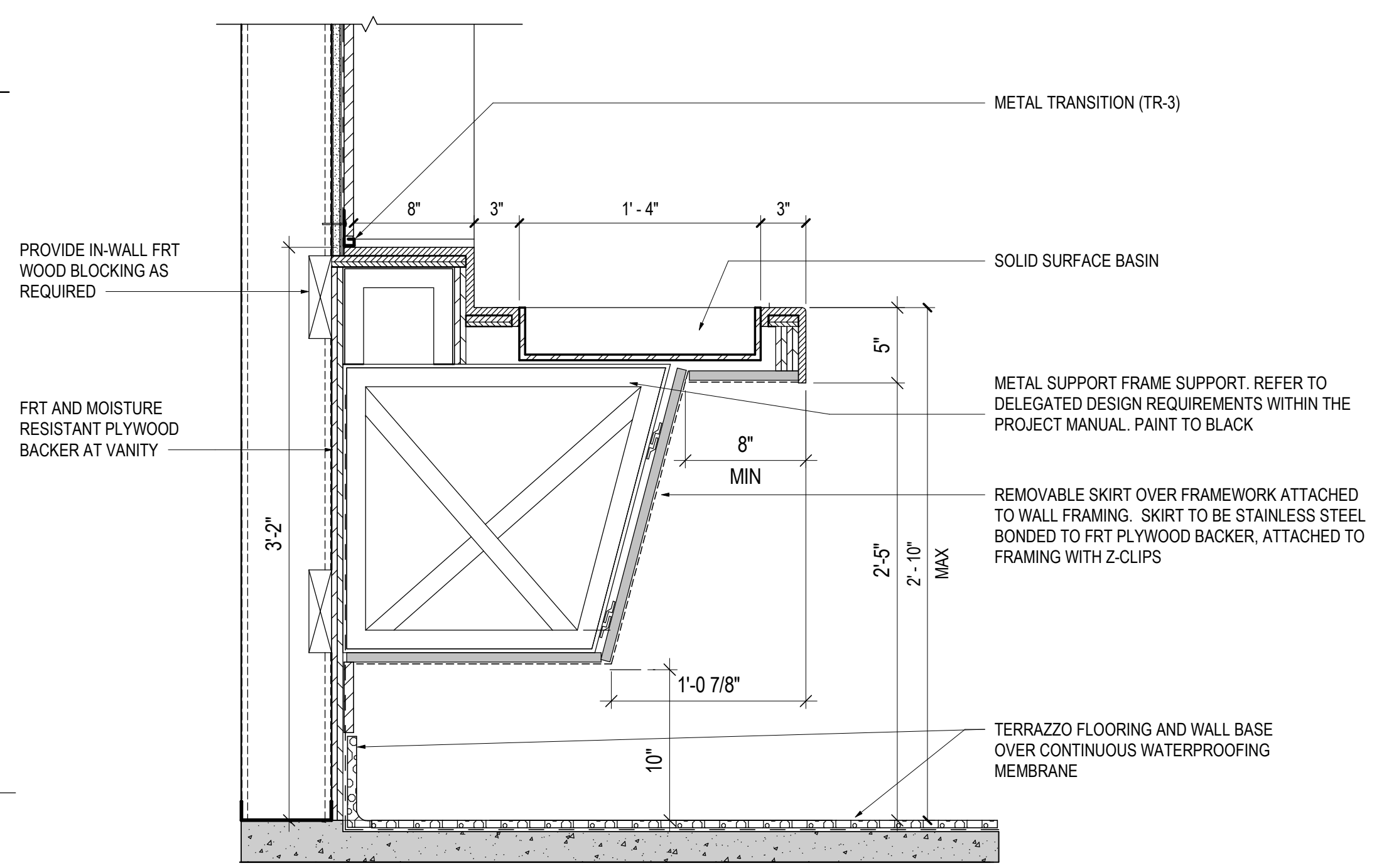
05 TICKETING - LAMINATE CEILING AND 6" LIGHT COVE
SCALE: 3" = 1'-0"



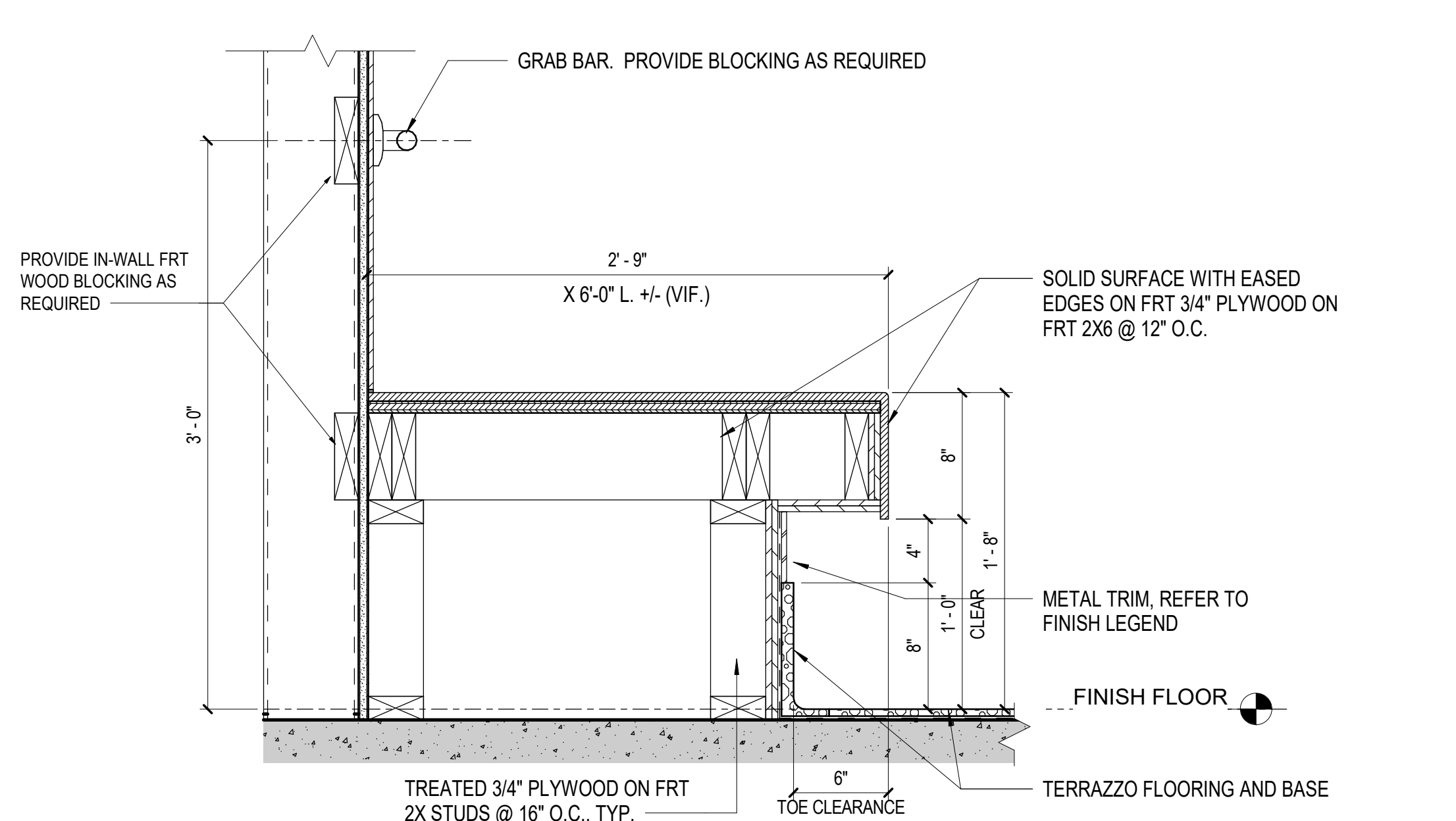
04 TICKETING - SECTION AT LAVATORY TRASH CHUTE
SCALE: 1 1/2" = 1'-0"



03 TICKETING - SECTION AT LAVATORY
SCALE: 1 1/2" = 1'-0"



02 TICKETING - SECTION AT BABY CHANGING STATION WITH LEDGE
SCALE: 1 1/2" = 1'-0"



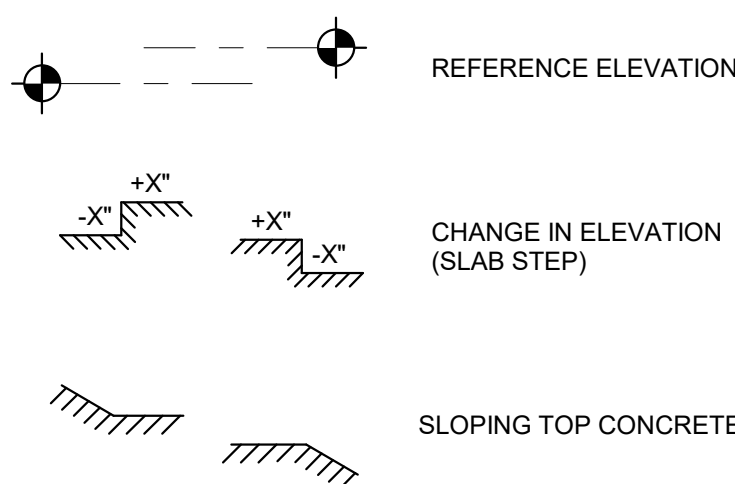
01 TICKETING - SECTION AT ADULT CHANGING STATION
SCALE: 1 1/2" = 1'-0"

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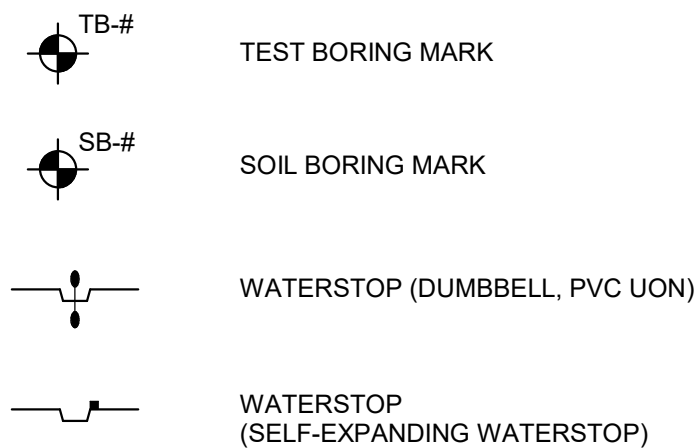
ABBREVIATIONS

ADD	ADDITIONAL
AP	AUGER CAST PILE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
	DRAWINGS AND SPECIFICATIONS
BF	BRACED FRAME
BOF	BOTTOM OF FOUNDATION
BOS	BOTTOM OF STEEL
BP	BEARING PLATE
BRG	BEARING
CANT	CANTILEVERED
CB	CONCRETE BEAM
CFMF	COLD FORMED METAL FRAMING
CIP	CAST IN PLACE
CJ	CONTROL OR CONSTRUCTION JOINT
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS OR CONTINUATION
CONTR	CONTRACTOR
COORD	COORDINATE
CFW	COLD FORMED METAL FRAMING WALL
CS	COMPOSITE SLAB
CW	CONCRETE WALL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSIONS
DP	DRILLED PIER
DPB	DRILLED PIER WITH BELL
DPC	DRILLED PIER CAP
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EQ	EQUAL
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FOUNDATION
FF	FINISH FLOOR
FS	SLAB ON FORMED DECK
FDN	FOUNDATION
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BEAM
HORIZ	HORIZONTAL
HP	STEEL H PILE
HP	HIGH POINT
INT	INTERIOR
JT	JOINT
LLBB	LONG LEGS BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
	DRAWINGS AND SPECIFICATIONS
MIN	MINIMUM
MP	MASONRY PIER
MW	MASONRY WALL
NIC	NOT IN CONTRACT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW ROOF DRAIN
OH	OPPOSITE HAND
OPNG	OPENING
P	PIER
PC	PRECAST
PERIM	PERIMETER
PL	PLATE
PT	POST TENSIONED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RD	ROOF DECK
REF	REFERENCE
REINF	REINFORCEMENT
REQD	REQUIRED
RTU	ROOF TOP UNIT
RW	RETAINING WALL
SB	SOIL BORING
SC	STEEL COLUMN
SEOR	STRUCTURAL ENGINEER OF RECORD
SF	STEP FOUNDATION
SIM	SIMILAR
SLBB	SHORT LEG BACK TO BACK
SOG	SLAB ON GRADE
SP	SPACING
SW	SHEAR WALL
TB	TEST BORING
TBR	TO BE REINFORCED
TOC	TOP OF CONCRETE
TOF	TOP OF FOUNDATION
TOS	TOP OF STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
WF	WALL FOUNDATION
WW	WOOD WALL
WWF	WELDED WIRE FABRIC

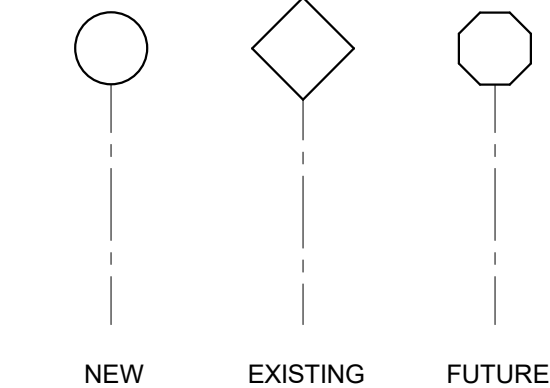
ELEVATION SYMBOLS



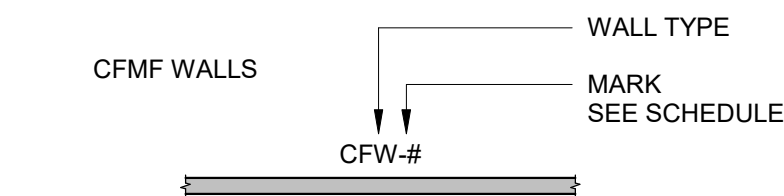
MISCELLANEOUS SYMBOLS



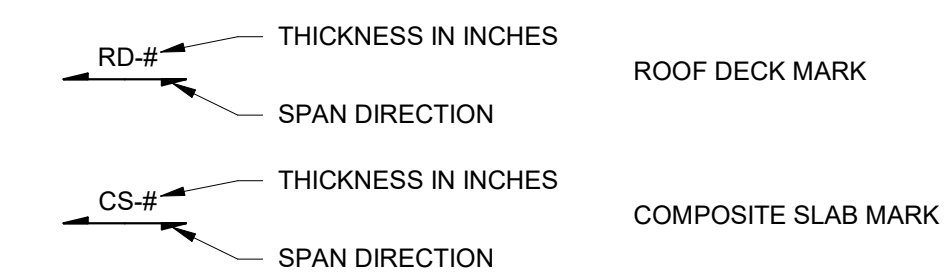
GRID DESIGNATIONS



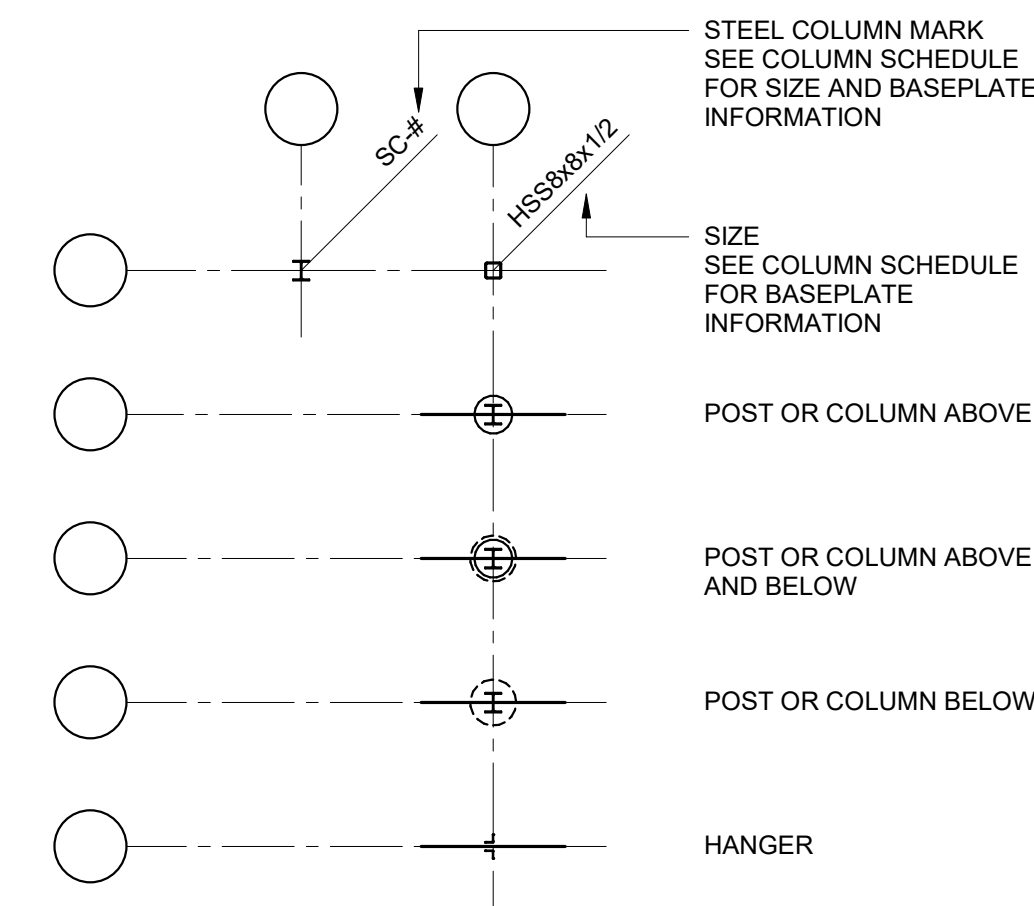
BEARING WALL DESIGNATIONS



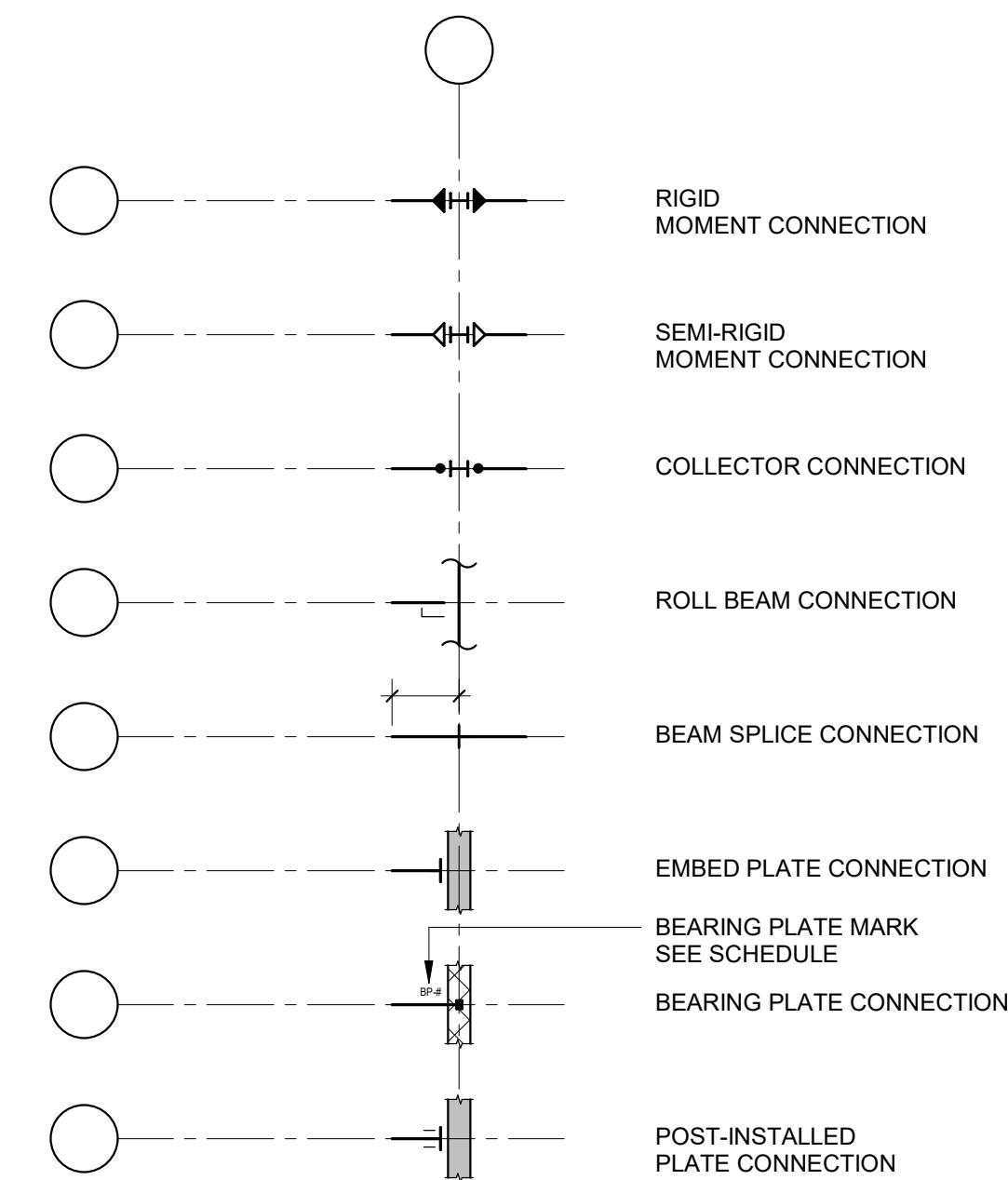
DECK AND SLAB SYMBOLS AND DESIGNATIONS



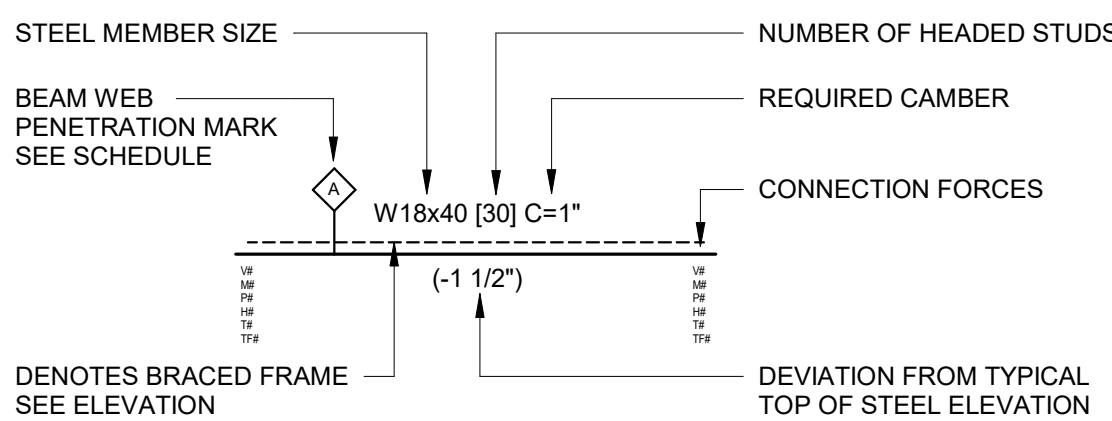
STEEL COLUMN PLAN SYMBOLS AND DESIGNATIONS



STEEL CONNECTION SYMBOLS AND DESIGNATIONS



STEEL BEAM DESIGNATIONS



V#	FACTORED (LRFD) BEAM DESIGN SHEAR FORCE (KIPS)
M#	FACTORED (LRFD) BEAM DESIGN END MOMENT (FOOT-KIPS)
P#	FACTORED (LRFD) BEAM DESIGN AXIAL FORCE (KIPS)
H#	FACTORED (LRFD) BEAM DESIGN HORIZONTAL FORCE (KIPS)
T#	FACTORED (LRFD) BEAM DESIGN TORSIONAL MOMENT (FOOT-KIPS)
TF#	FACTORED (LRFD) AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT (KIPS)

DRAWING LIST

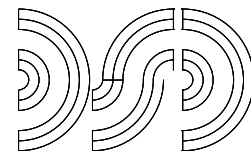
SHEET #	SYMBOLS AND DESIGNATIONS	SHEET TITLE
S0.01	SYMBOLS AND DESIGNATIONS	
S0.02	GENERAL NOTES	
S0.03	SPECIAL INSPECTIONS	
S1.01	TICKETING STATION FRAMING PLAN	
S4.51	COLD FORMED METAL FRAMING DETAILS	

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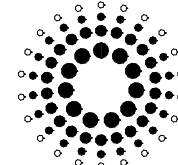
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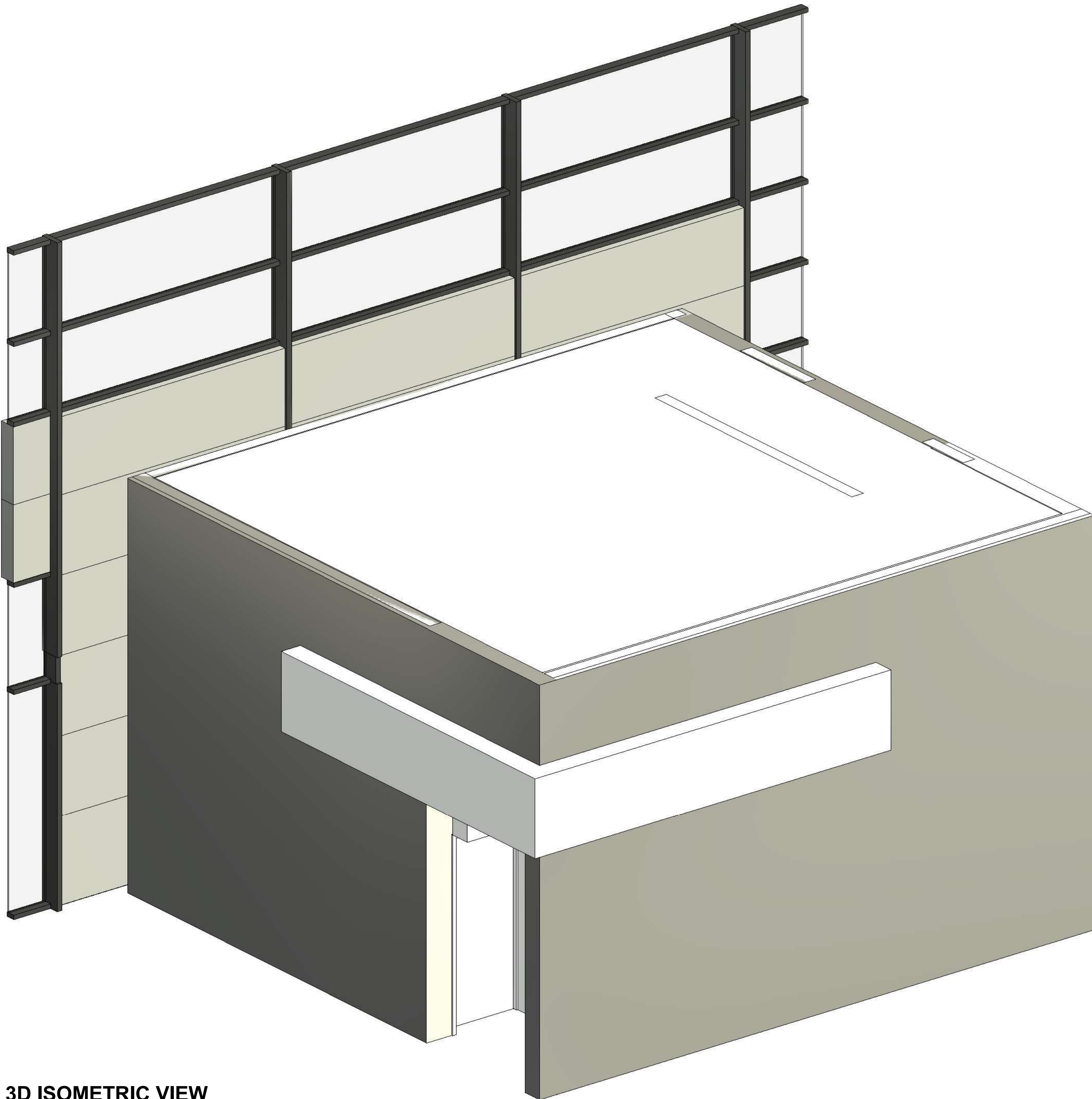
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Project Name	Ticketing Hall Restroom
Project Number	10.6424.020
Description	SYMBOLS AND DESIGNATIONS

Scale	1/8" = 1'-0"
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S0.01

3D ISOMETRIC VIEW
NOT TO SCALE



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SPECIAL INSPECTIONS	
1.	PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2021 MICHIGAN (INTERNATIONAL) BUILDING CODE CHAPTER 17 AND AS MODIFIED IN THE MATERIAL SPECIFIC STATEMENTS OF SPECIAL INSPECTION.
2.	DESIGNATION OF RESPONSIBLE AGENT AND THEIR QUALIFICATIONS
SI	SPECIAL INSPECTOR QUALIFIED WITH DEMONSTRATED COMPETENCE DOCUMENTED BY CERTIFICATIONS FROM RECOGNIZED AGENCIES SUCH AS AWS, ACI, MASONRY INSTITUTE OF MICHIGAN (MIM), ETC., AS SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTOR MAY BE A FIRM WITH MULTIPLE SPECIALISTS AND A PROJECT MANAGER PROVIDING REPORTS.
TA	TESTING AGENCY QUALIFIED TO TEST AND INSPECT MATERIALS AND ASSEMBLIES. TESTING AGENCY SHALL BE UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR.
GE	GEOTECHNICAL ENGINEER WHO PROVIDED THE ORIGINAL PROJECT GEOTECHNICAL SOILS INVESTIGATION REPORT.
SE	SPECIALTY ENGINEER RESPONSIBLE FOR DESIGNING ASSEMBLIES SUCH AS PRECAST CONCRETE, STEEL JOISTS, COLD FORMED FRAMING ASSEMBLIES, ETC. SPECIALTY ENGINEER SHALL PROVIDE OBSERVATION OF FABRICATED AND INSTALLED ITEMS OF THEIR DESIGN IN ADDITION TO THE SPECIAL INSPECTION.
3.	TA, GE AND SE SHALL SUBMIT RECORDS OF THE INSPECTION RESULTS TO THE SI. THE SI SHALL COMPILE AND SUBMIT INSPECTION RECORDS TO THE ARCHITECT/ENGINEER AND BUILDING OFFICIAL. RECORDS SHALL INCLUDE STATEMENTS OF TESTS, WHETHER INSTALLED/FABRICATED ITEM COMPLIES WITH CONTRACT DOCUMENTS, REMEDIAL WORK PERFORMED, RETESTS.
4.	SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF COMPLIANCE CAN FOLLOW BY A MAXIMUM OF 2 WEEKS. SI SHALL PROVIDE AND SIGN FINAL REPORT WITH A SUMMARY OF ALL TESTS PERFORMED AND RESULTS TO THE ENGINEER OF RECORD AND BUILDING OFFICIAL. IN ACCORDANCE WITH SECTION 1704.2.4.
5.	SI, TA & GE SHALL BE PAID BY THE OWNER IN COMPLIANCE WITH THE MICHIGAN (INTERNATIONAL) BUILDING CODE.
6.	WHERE FABRICATION OF STRUCTURAL LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND THE GOVERNING BUILDING CODE. APPROVAL SHALL BE BASED UPON REVIEW OF FABRICATION AND QUALITY CONTROL PROCEDURES AND PERIODIC INSPECTION OF FABRICATION PRACTICES BY THE BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.
7.	REFER TO MATERIAL SPECIFIC STATEMENTS OF SPECIAL INSPECTION AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL QUALITY CONTROL TESTING AND INSPECTIONS.

STATEMENT OF SPECIAL INSPECTIONS - STRUCTURAL STEEL						
INSPECTION TASK		INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
		CONTINUOUS	PERIODIC			
1.	INSPECTION OF STEEL FABRICATED ITEMS SHALL BE PERFORMED ON PREMISES DURING FABRICATION.		X			
	A. EXCEPTIONS: SPECIAL INSPECTIONS DURING FABRICATION NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.			AISC QUALITY CERTIFICATION	1704.2.5	SI
2.	SPECIAL INSPECTION AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURE AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.	X	X	AISC QUALITY CERTIFICATION	1705.2.1	SI
	A. SPECIAL INSPECTION OF RAILING SYSTEMS COMPOSED OF STRUCTURAL STEEL ELEMENTS SHALL BE LIMITED TO WELDING INSPECTION OF WELDS AT THE BASE OF CANTILEVERED RAIL POSTS.		X	AISC QUALITY CERTIFICATION	1705.2.1	SI
INSPECTION TASK		INSPECTION TYPE		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
		QC	QA			
INSPECTION OF BOLTING						
1.	INSPECTION TASKS PRIOR TO BOLTING:					
	A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	O	P	AISC 360, SECTION N5, TABLE N5 6-1	1705.2	S/TA
	B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	O	O			
	C. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).	O	O			
	D. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.	O	O			
	E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.	O	O			
	F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	P	O			
	G. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.	O	O			
2.	INSPECTION TASKS DURING BOLTING:					
	A. FASTENER ASSEMBLIES, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED.	O	O	AISC 360, SECTION N5, TABLE N5 6-2	1705.2	S/TA
	B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	O	O			
	C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTING FROM ROTATING.	O	O			
	D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.	O	O			
3.	INSPECTION TASKS AFTER BOLTING:			AISC 360, SECTION N5, TABLE N5 6-3	1705.2	S/TA
	A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	P	P			
INSPECTION OF WELDING						
1.	INSPECTION TASKS PRIOR TO WELDING:					
	A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O	AISC 360, SECTION N5, TABLE N5 4-1	1705.2	S/TA
	B. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE.	P	P			
	C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	P	P			
	D. MATERIAL IDENTIFICATION (TYPE/GRADE).	O	O			
	E. WELDER IDENTIFICATION SYSTEM, THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE LOW-STRESS TYPE.	O	O			
	F. FIT-UP OF GROOVE WELDS OF HSS T-, T- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY): - JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), - TAKING (TACK WELD QUALITY AND LOCATION), - BACKING TYPE AND FIT (IF AVAILABLE).	O	O			
	G. CONFIGURATION OF FINISH AND ACCESS HOLES.	O	O			
	H. FIT-UP OF FILLET WELDS: - DIMENSIONS (ALIGNMENT, GAPS AT ROOT), - CLEANLINESS (CONDITION OF STEEL SURFACES), - TAKING (TACK WELD QUALITY AND LOCATION).	O	O			
	I. CHECK WELDING EQUIPMENT.	O	-			
2.	INSPECTION TASKS DURING WELDING:					
	A. USE OF QUALIFIED WELDERS.	O	O	AISC 360, SECTION N5, TABLE N5 4-2	1705.2	S/TA
	B. CONTROL AND HANDLING OF WELDING CONSUMABLES: - PACKAGING, - EXPOSURE CONTROL.	O	O			
	C. NO WELDING OVER CRACKED TACK WELDS.	O	O			
	D. WPS FOLLOWED: - SETTINGS ON WELDING EQUIPMENT, - TRAVEL SPEED - SELECTED WELDING MATERIALS, - SHIELDING GAS TYPE/FLOW RATE, - PREHEAT APPLIED, - INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) - PROPER POSITION (F, V, H, OH).	O	O			
	E. WELDING TECHNIQUES: - INTERPASS AND FINAL CLEANING, - EACH PASS WITHIN PROFILE LIMITATIONS, - EACH PASS MEETS QUALITY REQUIREMENTS.	O	O			
3.	INSPECTION TASKS AFTER WELDING:					
	A. WELDS CLEANED.	O	O	AISC 360, SECTION N5, TABLE N5 4-3	1705.2	S/TA
	B. SIZE, LENGTH, AND LOCATION OF WELDS.	P	P			
	C. WELDS MEET VISUAL ACCEPTANCE CRITERIA: - CRACK PROHIBITION - WELD/BASE-METAL FUSION, - CRATER CROSS SECTION, - WELD PROFILES, - WELD SIZE, - UNDERCUT, - POROSITY.	P	P			
	D. ARC STRIKES.	P	P			
	E. K-AREA, WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAVE BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA OF CRACKS WITHIN 3 INCHES OF THE WELD.	P	P			
	F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).	P	P			
	G. REPAIR ACTIVITY.	P	P			
	H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER.	P	P			
QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, APPLICABLE BUILDING CODE, PURCHASER, OWNER, OR ENGINEER OF RECORD.						
O. OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.						
P. PERFORM THESE TASKS FOR EACH STEEL ELEMENT.						

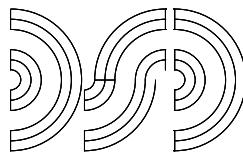
STATEMENT OF SPECIAL INSPECTIONS - COLD FORMED METAL FRAMING						
INSPECTION TASK		INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	RESPONSIBLE AGENT
		CONTINUOUS	PERIODIC			
1.	INSPECTION OF COLD FORMED METAL ASSEMBLIES PER APPROVED CALCULATIONS:				2211	SI/SE
A.	MEMBER SIZE AND CONFIGURATION.		-	X		
B.	CONNECTION SCREWS AND WELDING.		-	X		
C.	MEMBER AND ASSEMBLY BRACING.		-	X		
2.	INSTALLATION PER APPROVED DETAILS:				2211	SI/SE
A.	MEMBER SIZE AND SPACING.		-	X		
B.	CONNECTION SCREWS.		-	X		
C.	WELDING		-	X		
D.	BRIDGING/BRACING.		-	X		
				AISI-NAS, AWS D1.3		
				AISI-NAS		

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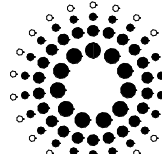
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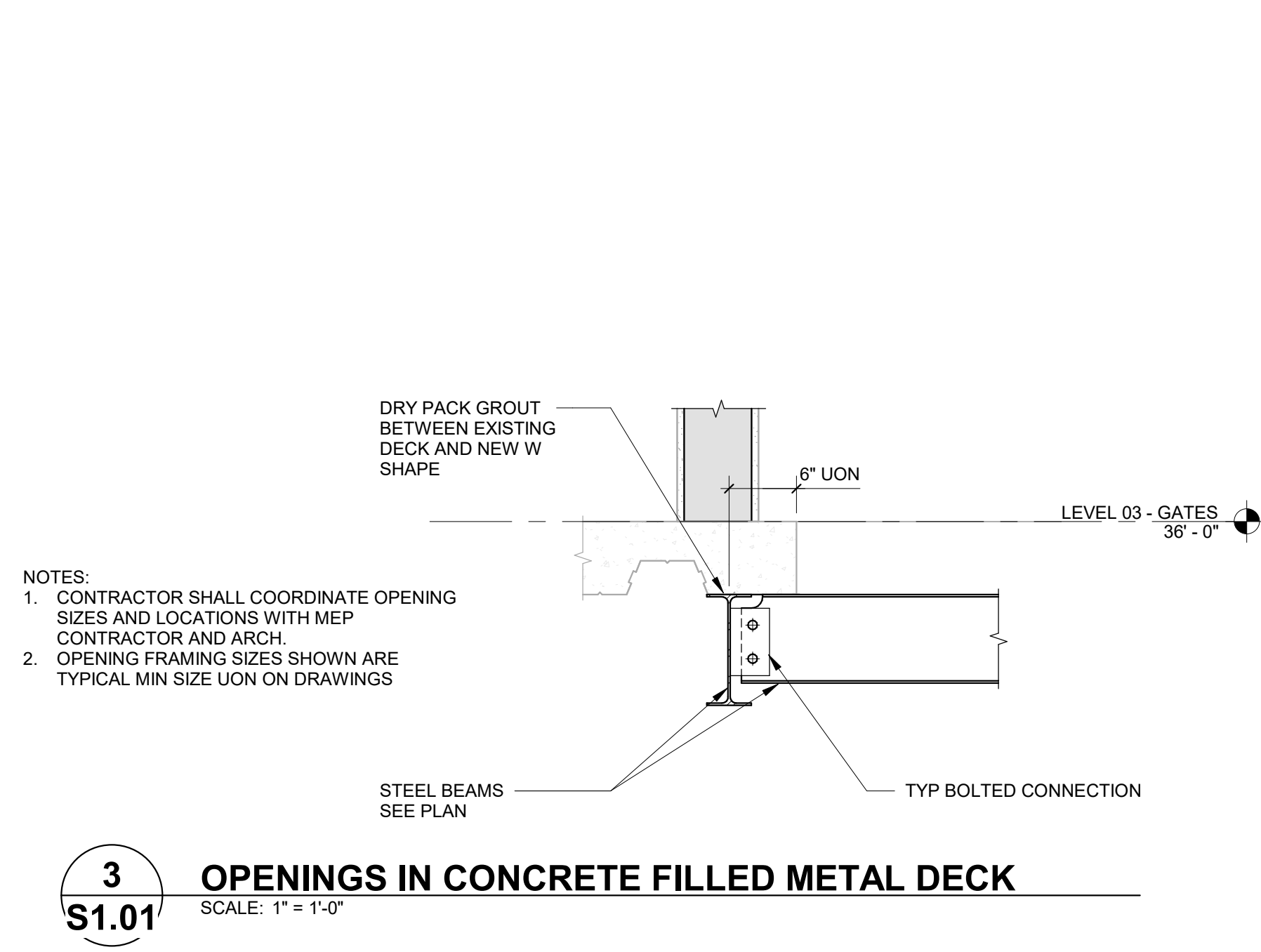
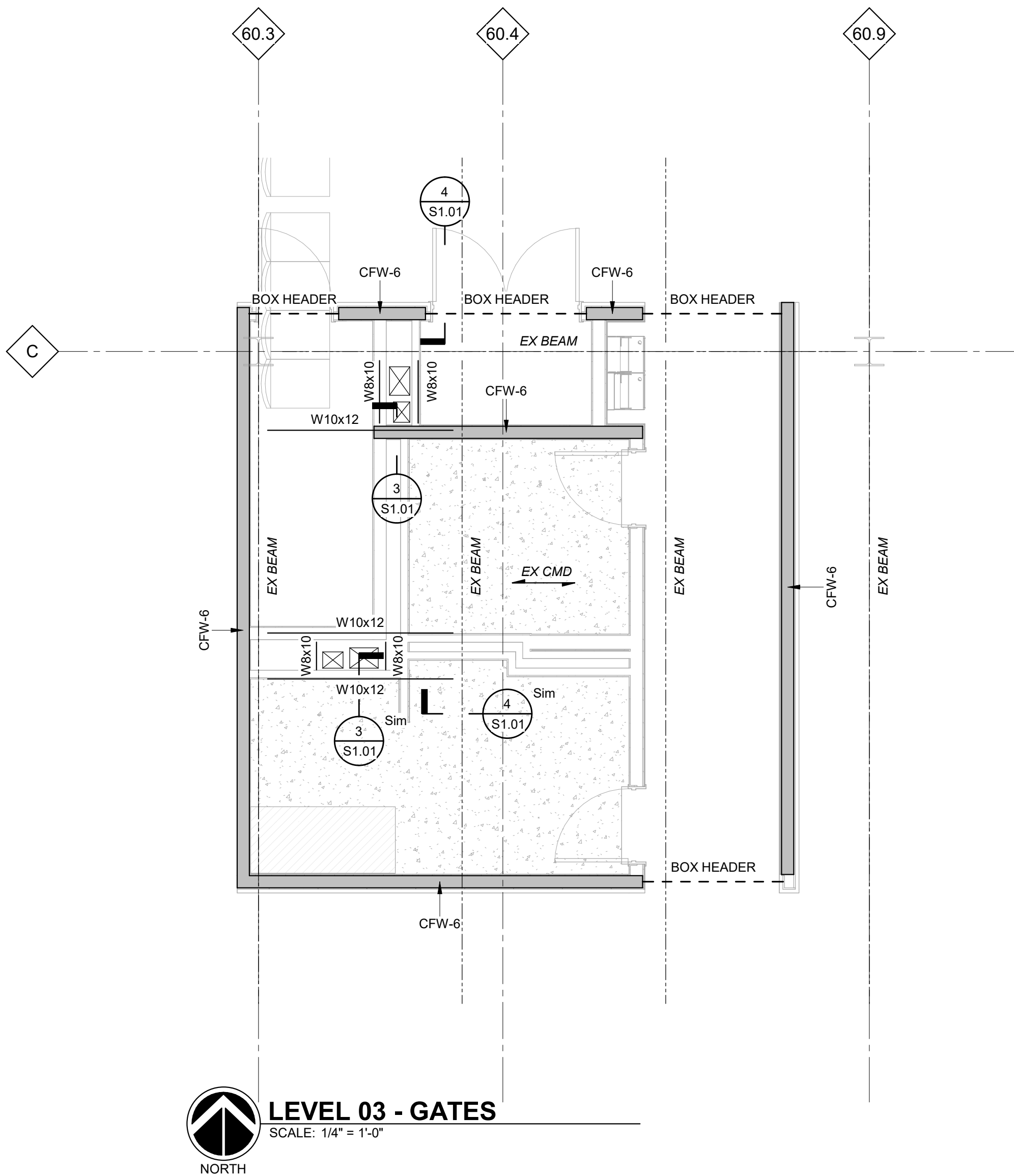
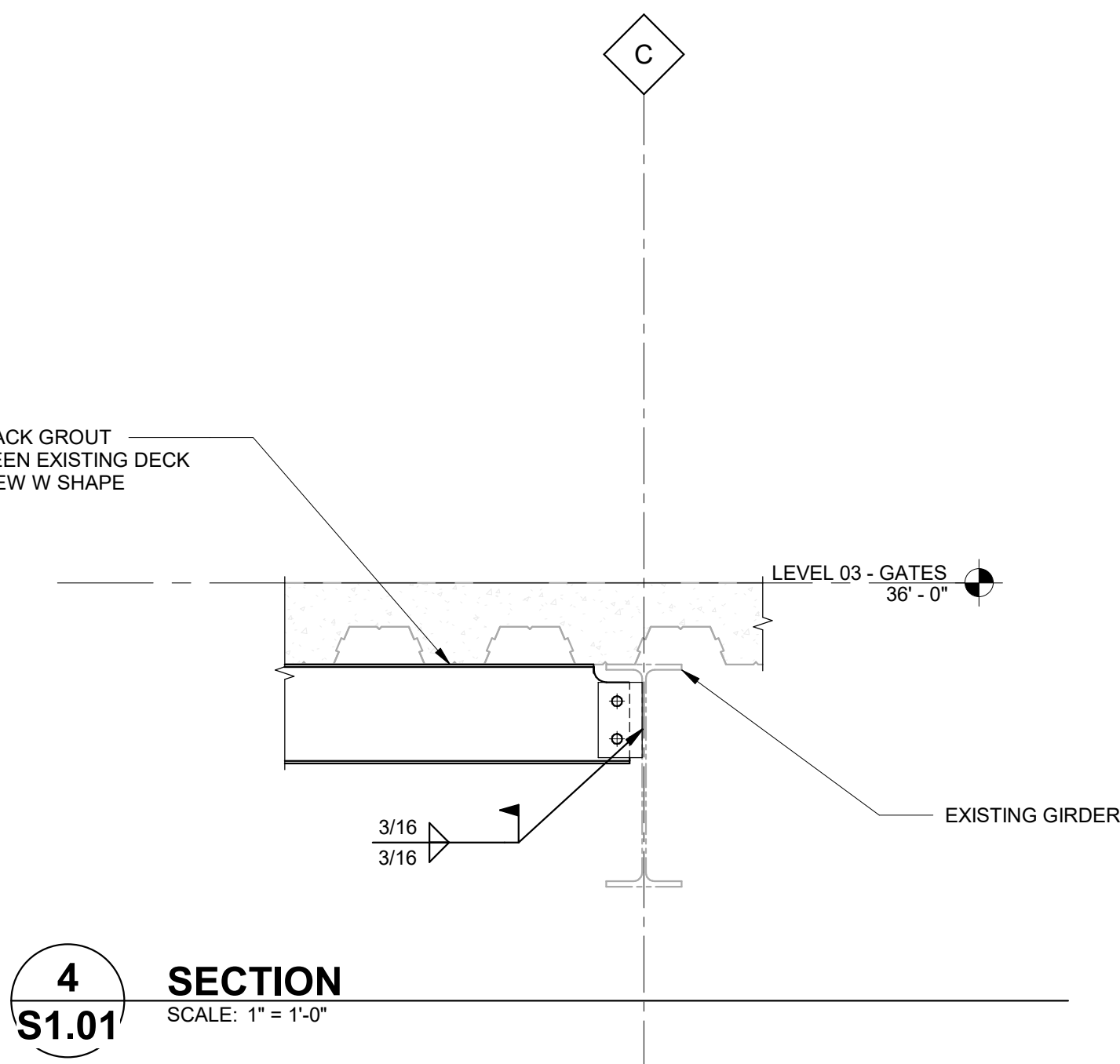
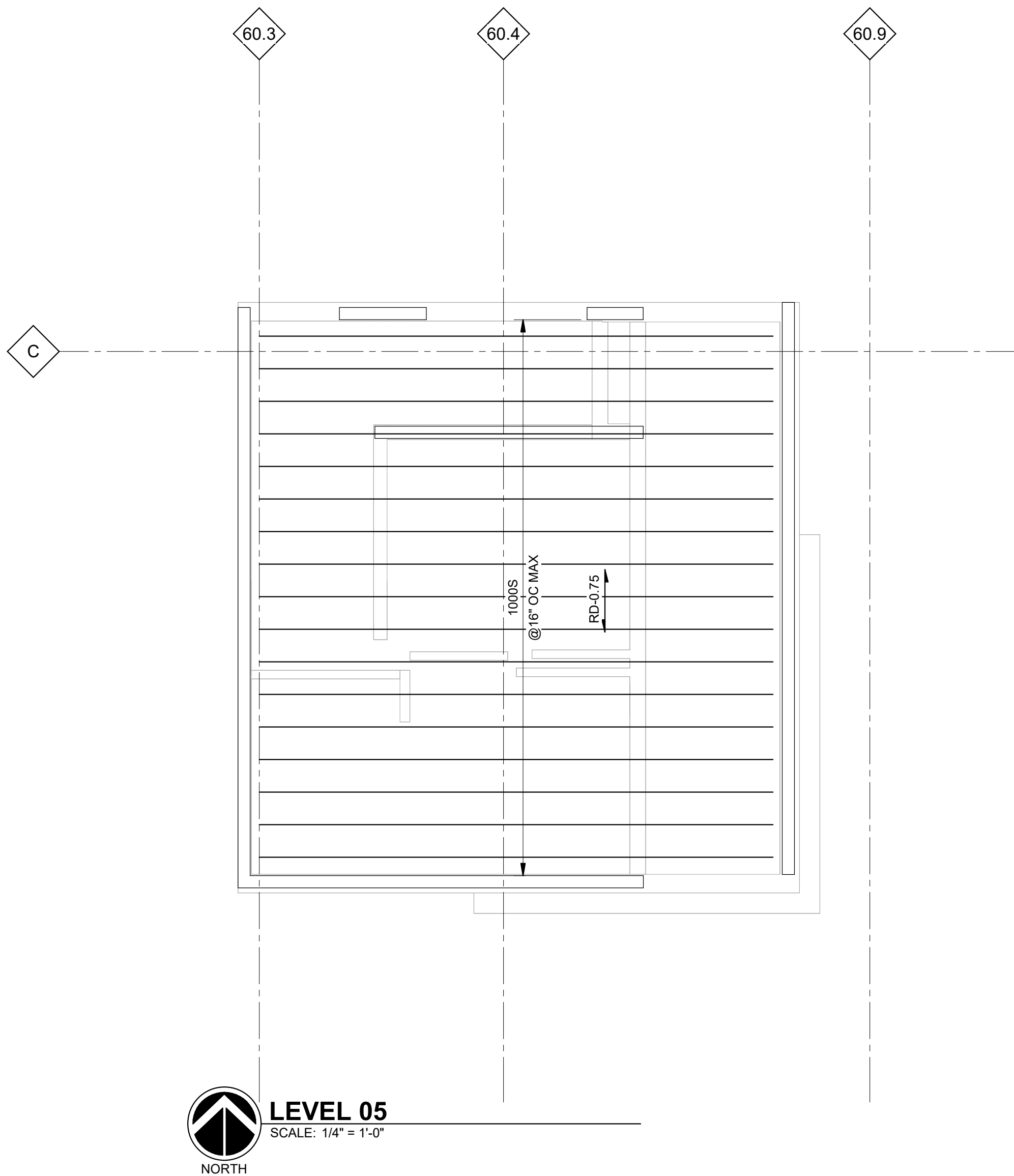
Project Name
Ticketing Hall Restroom

Project Number
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Description
SPECIAL INSPECTIONS

Scale

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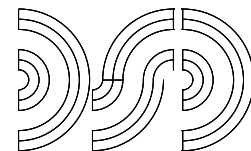


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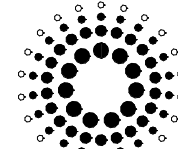
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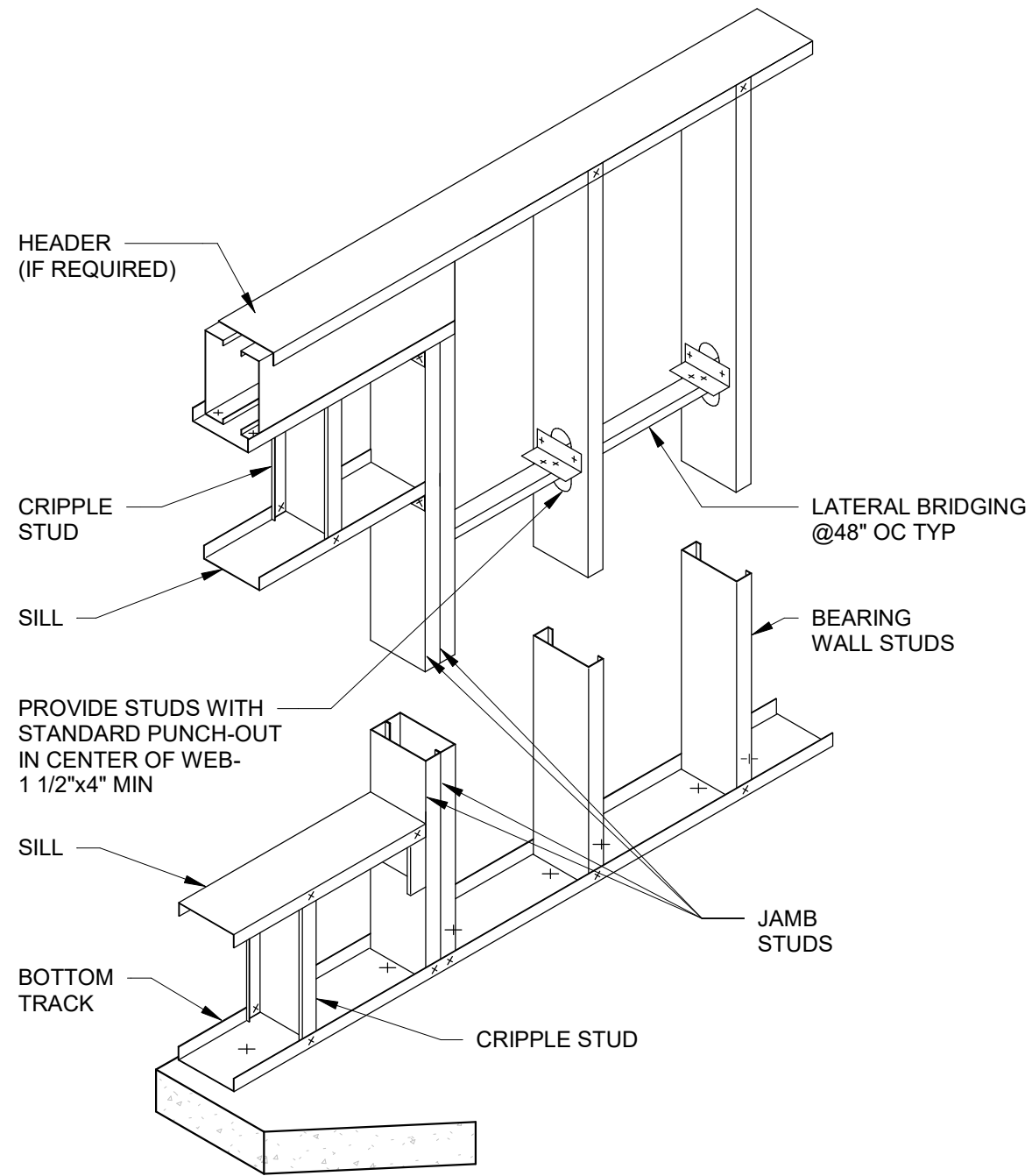
TICKETING STATION FRAMING PLAN

Scale

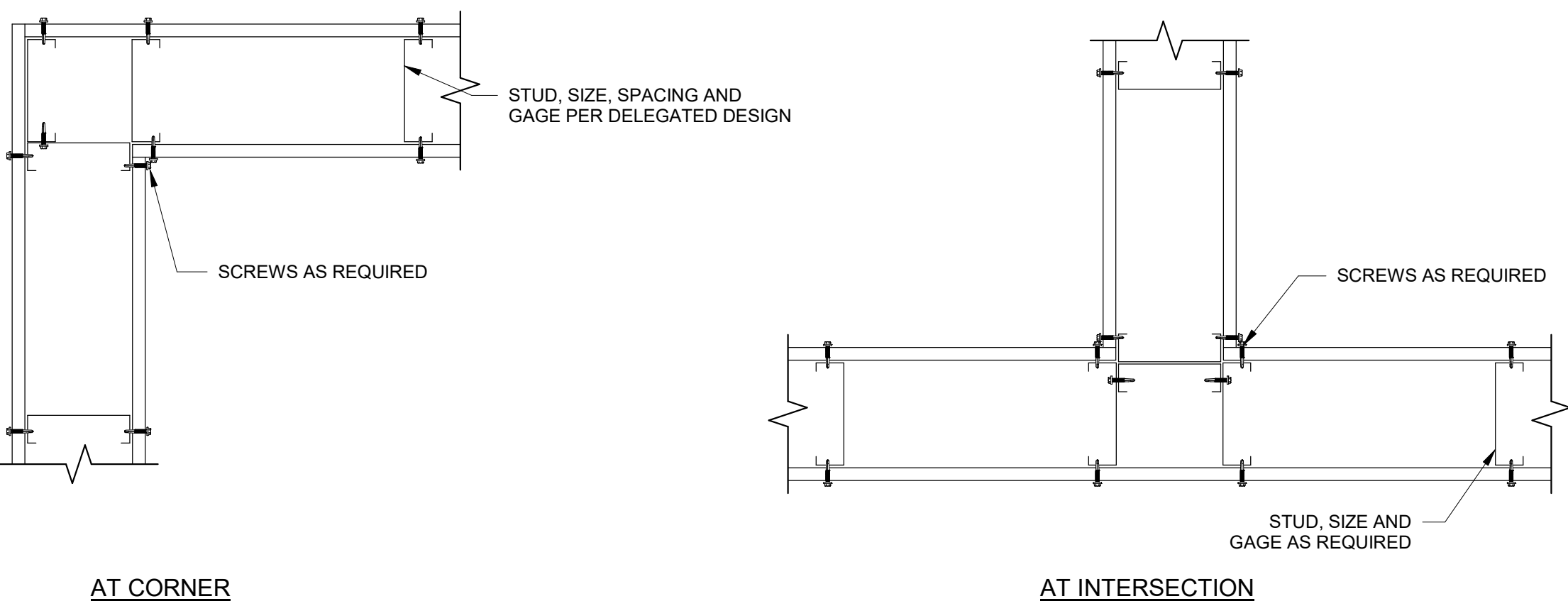
As indicated

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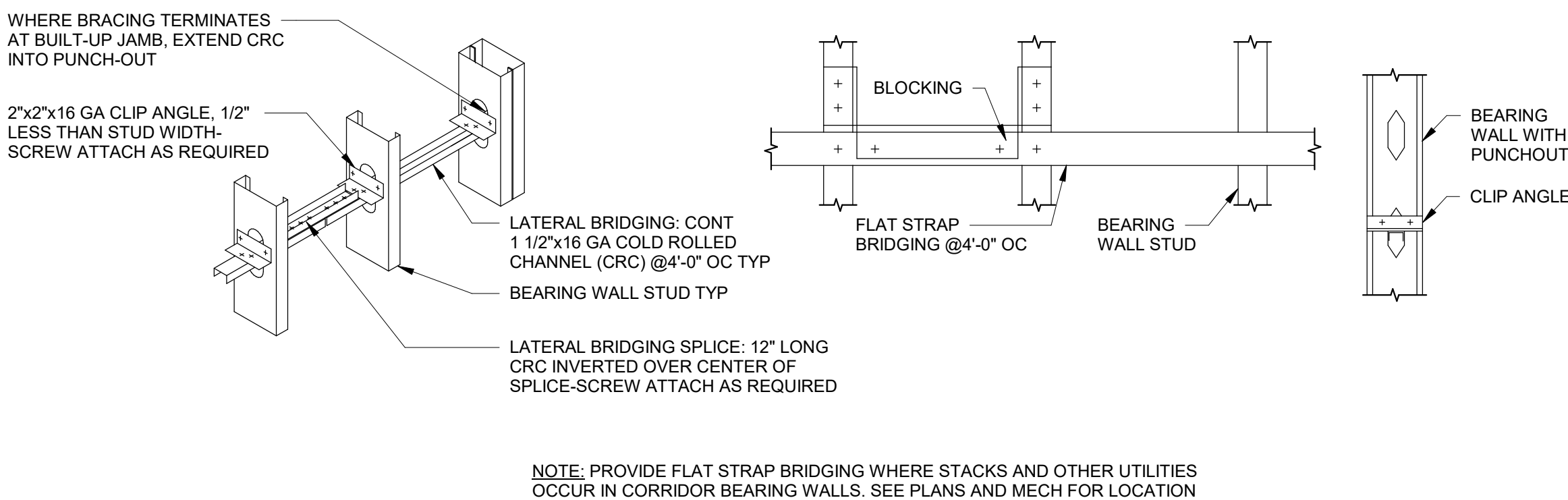
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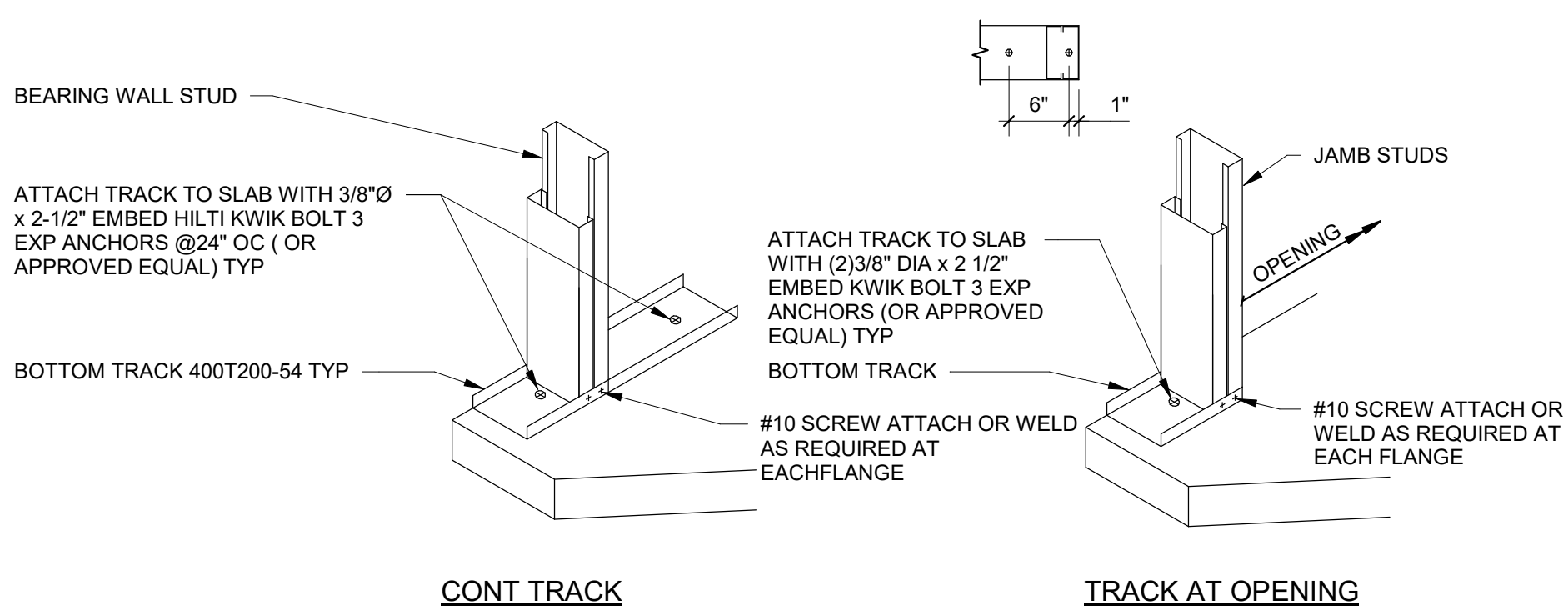
E9
S4.51
TYPICAL BEARING WALL CONCEPT DETAIL ASSEMBLY
SCALE: 3/4" = 1'-0"



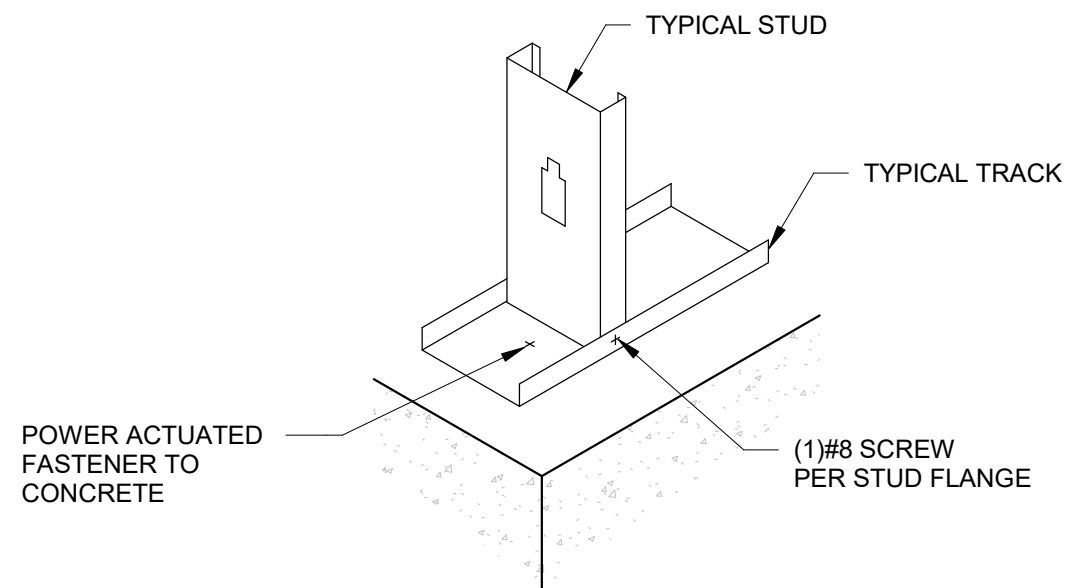
D9
S4.51
TYPICAL WALL FRAMING
SCALE: 3/4" = 1'-0"



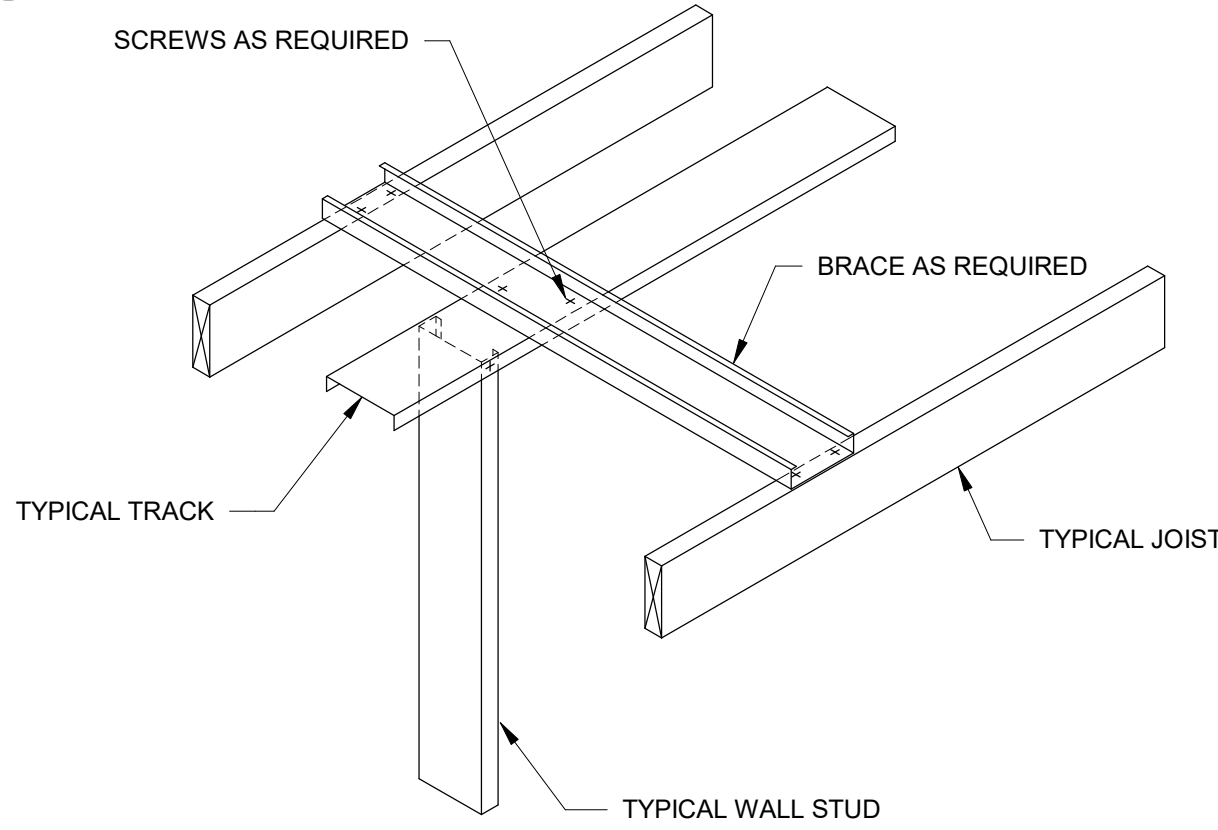
B9
S4.51
TYPICAL STUD WALL BRACING CONCEPT DETAIL
SCALE: 3/4" = 1'-0"



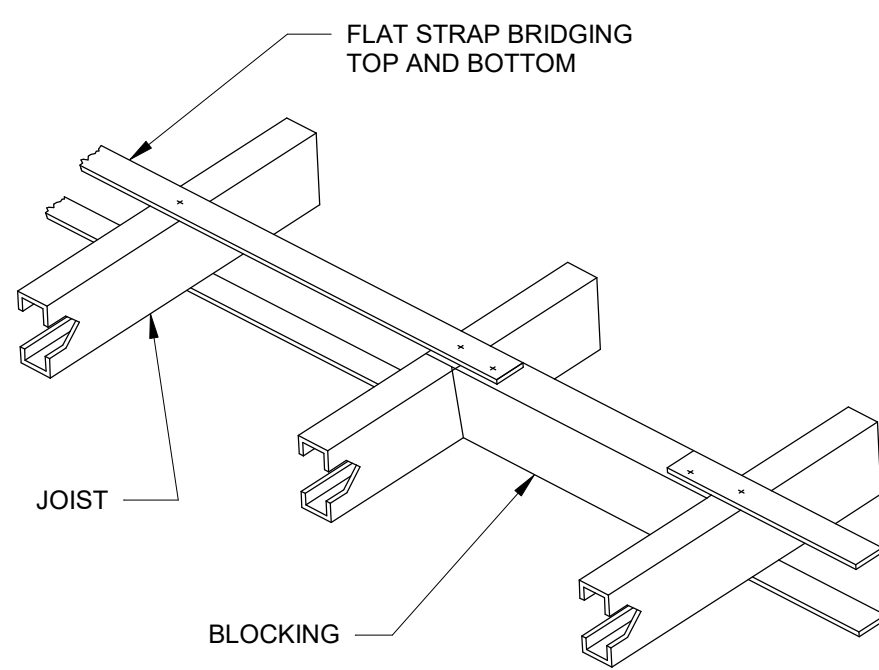
A9
S4.51
TYPICAL BOTTOM TRACK ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"



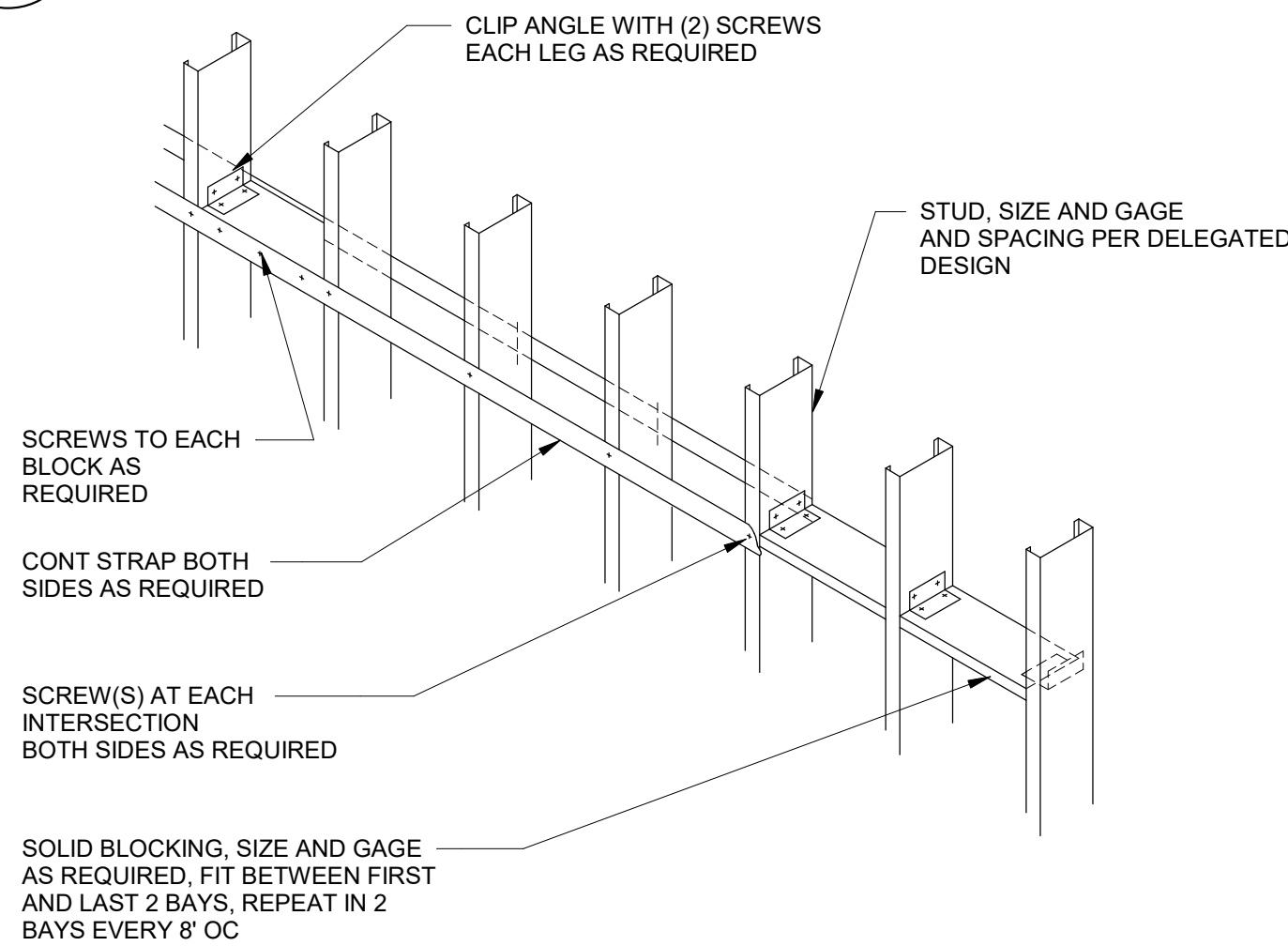
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S4.51
TYPICAL STUD BASE DETAIL
SCALE: 3/4" = 1'-0"



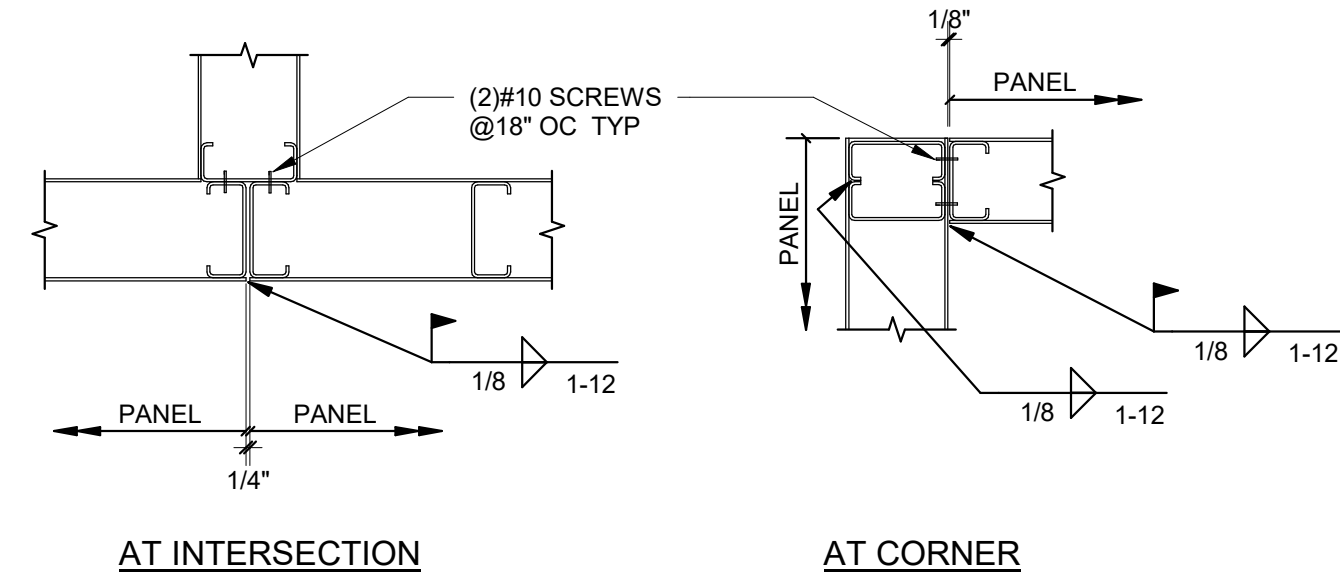
E6
S4.51
TYPICAL WALL CONNECTION TO JOISTS
SCALE: 3/4" = 1'-0"



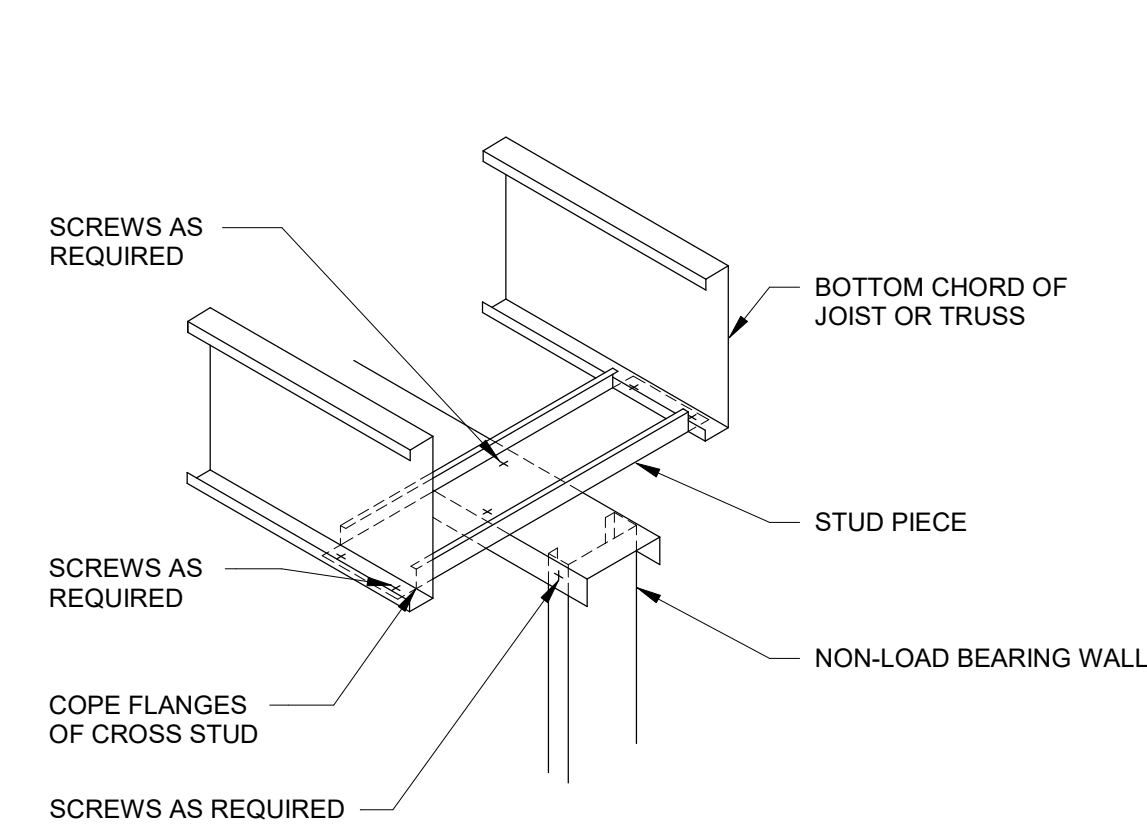
B6
S4.51
TYPICAL JOIST BRIDGING DETAIL
SCALE: 3/4" = 1'-0"



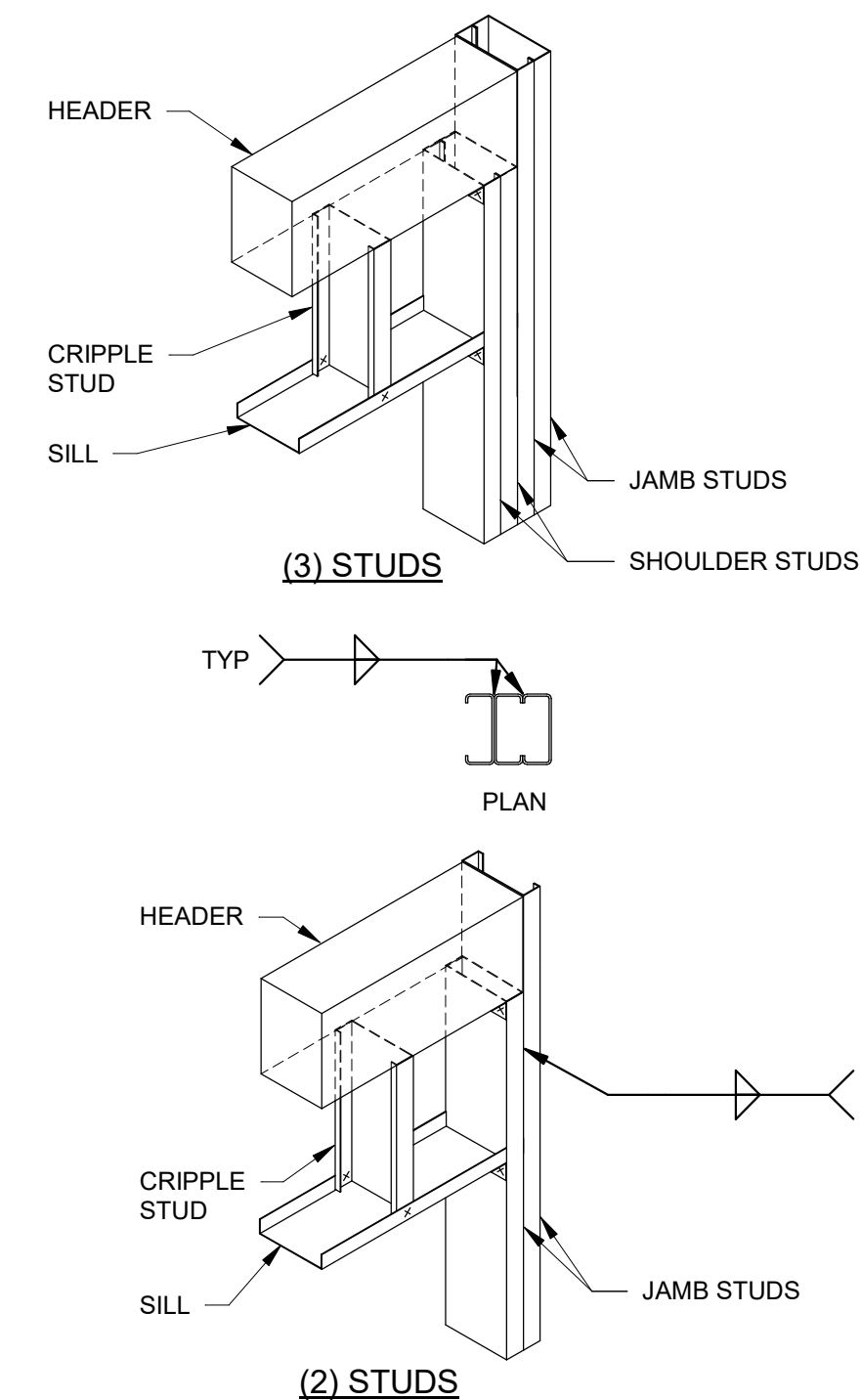
A6
S4.51
TYPICAL WALL BRIDGING
SCALE: 3/4" = 1'-0"



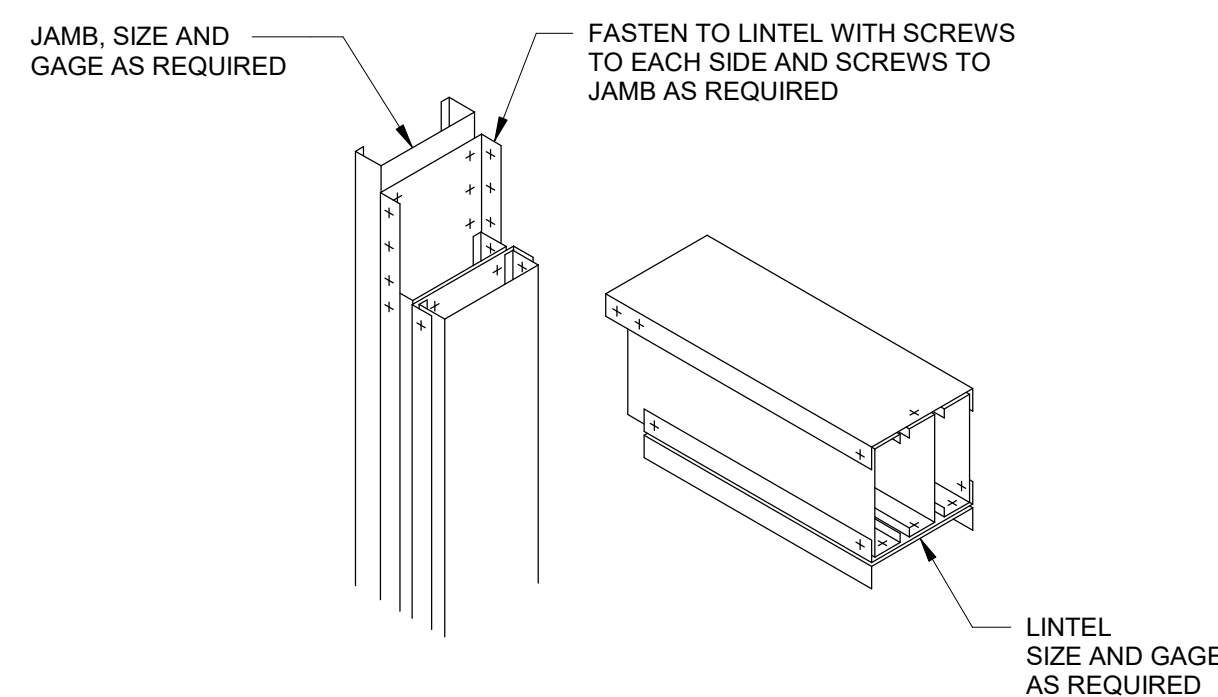
F4
S4.51
TYPICAL STUD WALL AT INTERSECTIONS AND CORNERS
SCALE: 1" = 1'-0"



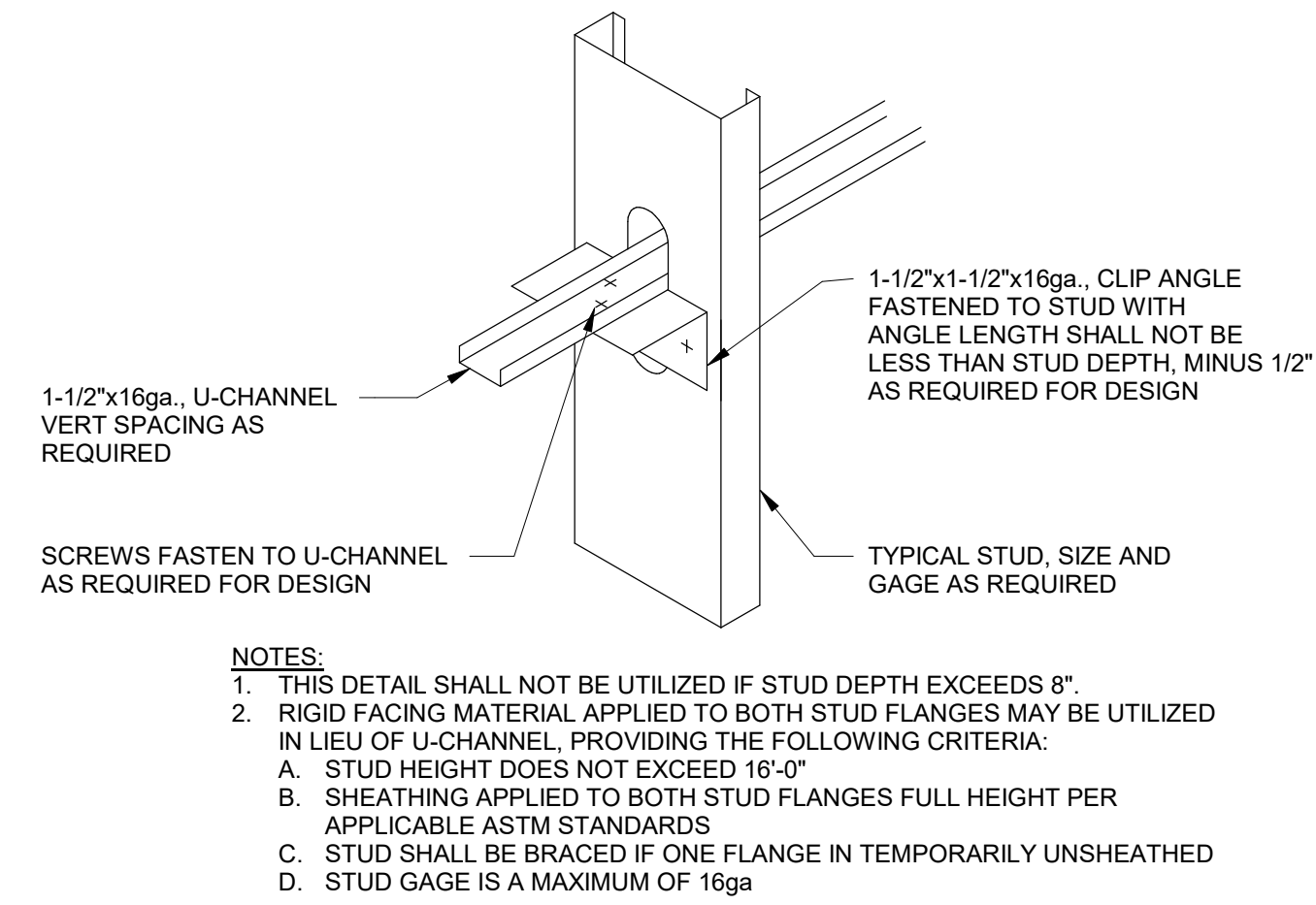
E4
S4.51
WALL CONNECTION TO JOISTS
SCALE: 3/4" = 1'-0"



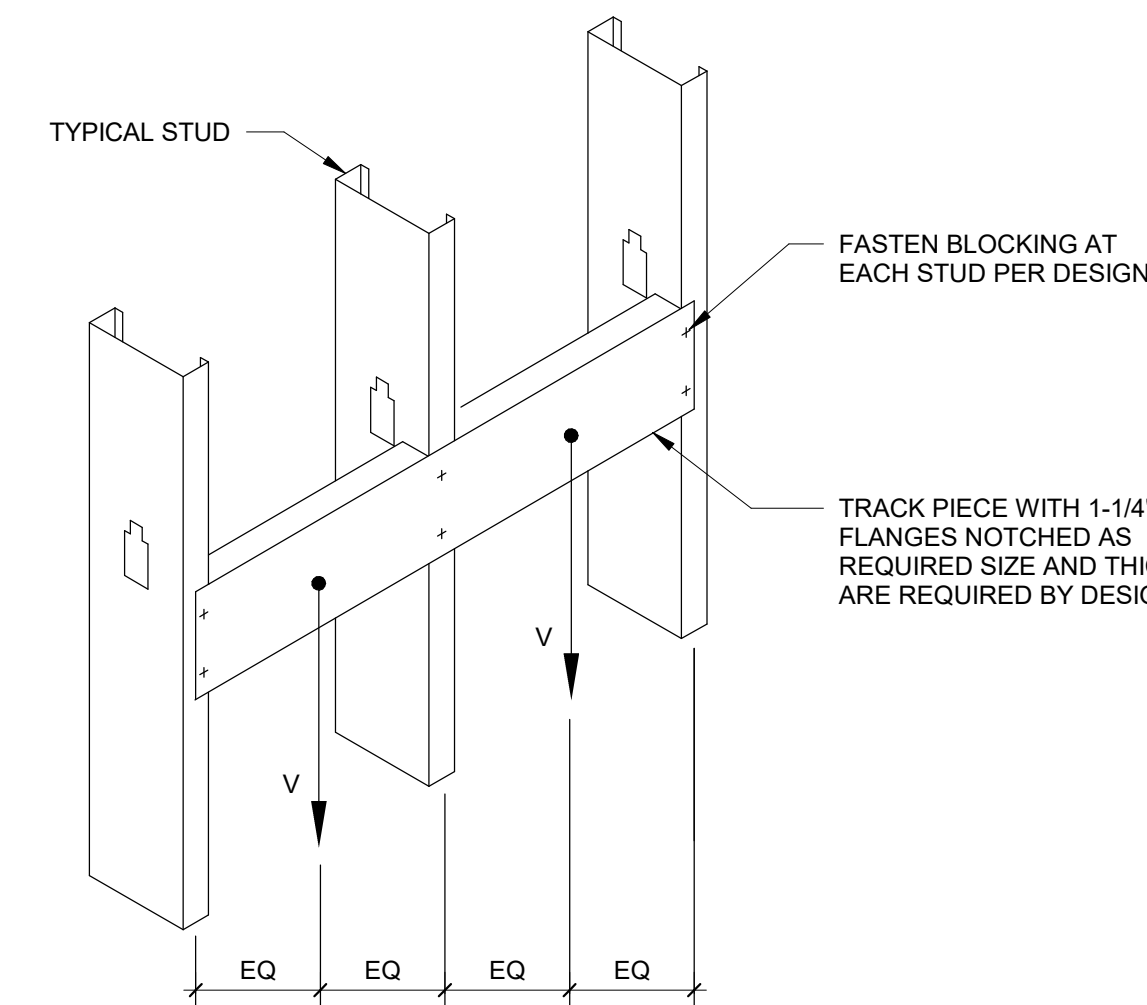
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S4.51
TYPICAL JAMB ASSEMBLY CONCEPT DETAIL
SCALE: 3/4" = 1'-0"



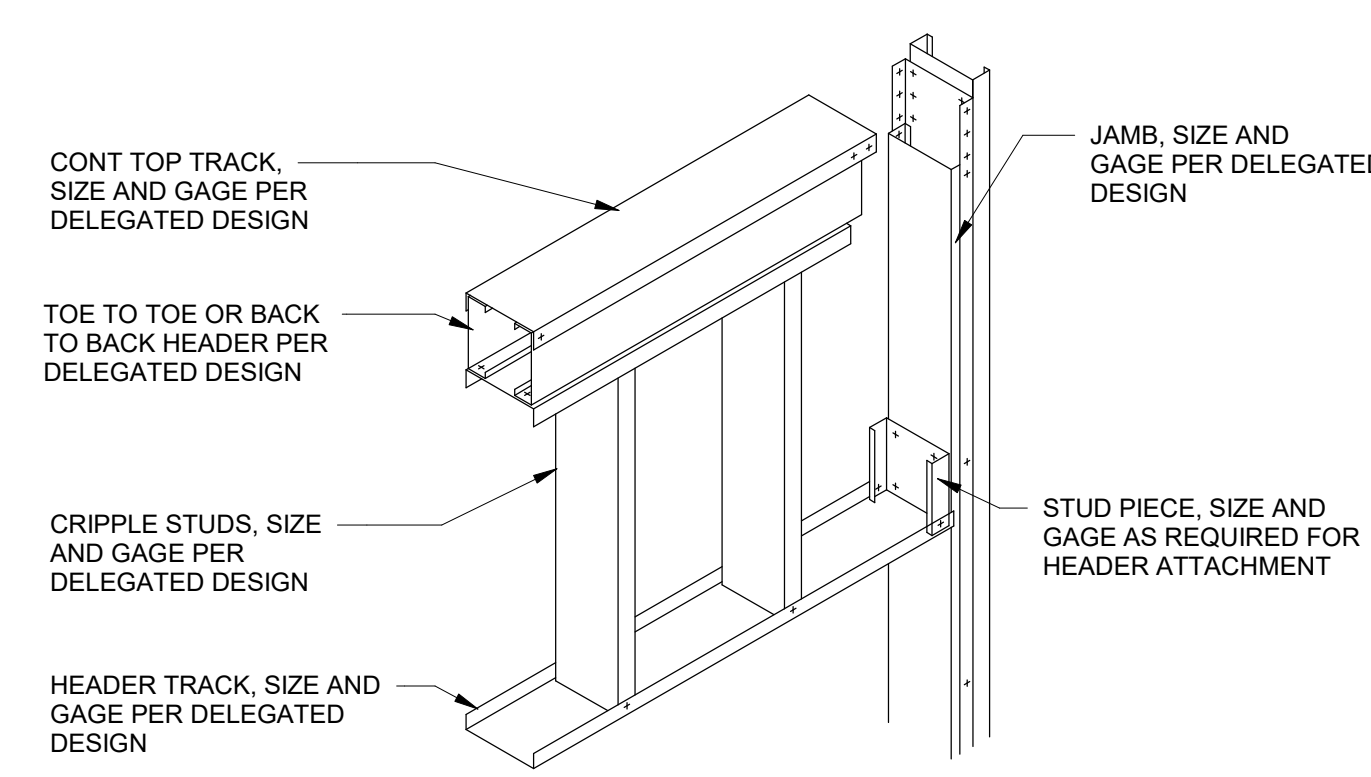
A4
S4.51
LOAD BEARING BOX HEADER LINTEL
SCALE: 3/4" = 1'-0"



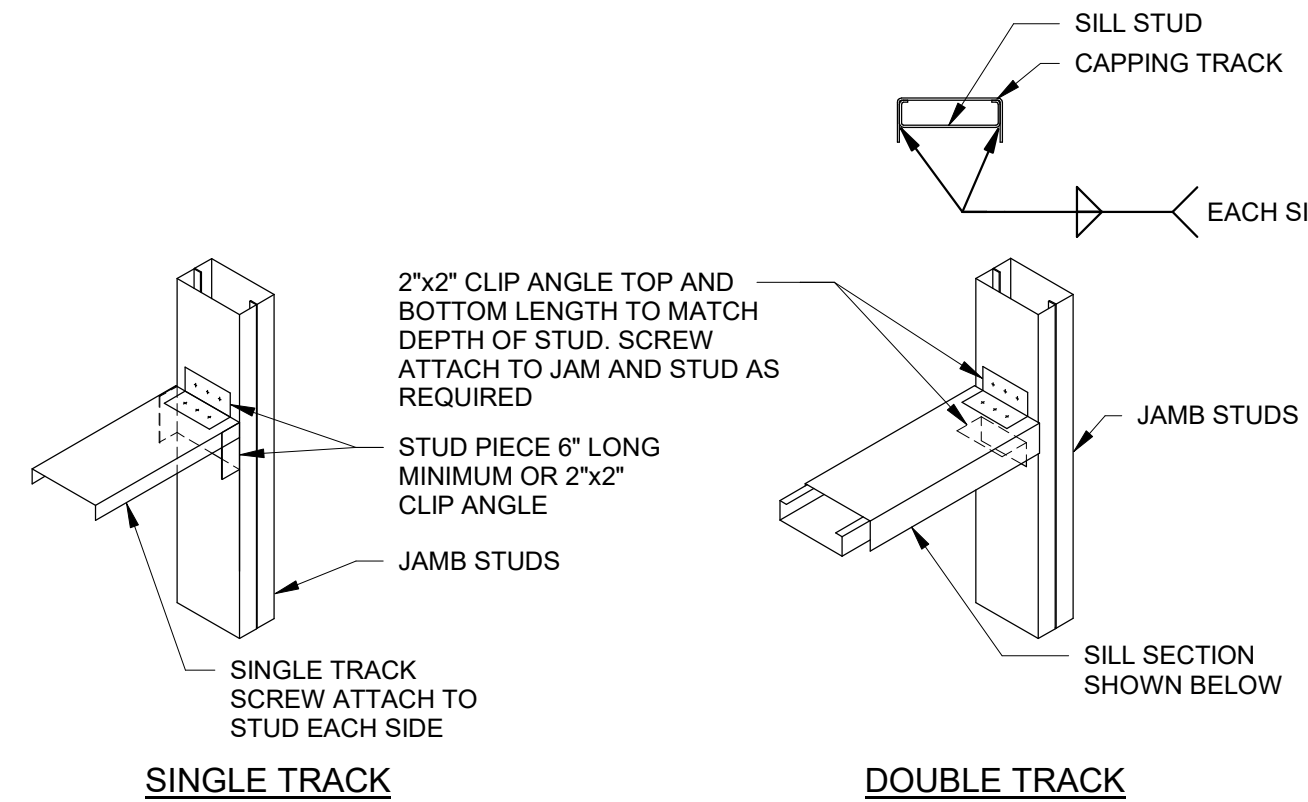
E2
S4.51
U CHANNEL BRIDGING DETAIL
SCALE: 3/4" = 1'-0"



D2
S4.51
TYPICAL BACKING PLATE DETAIL
SCALE: 3/4" = 1'-0"



B2
S4.51
TYPICAL BOX HEADER DETAIL
SCALE: 3/4" = 1'-0"



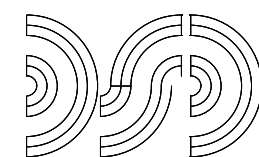
A2
S4.51
TYPICAL SILL ASSEMBLIES CONCEPT DETAIL
SCALE: 3/4" = 1'-0"

Wayne County Airport Authority

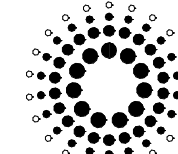
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Romulus MI 48242

Gensler

1265 Griswold Street
Detroit, MI 48226
United States
Tel 313.965.1600



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Domingo Gonzalez Associates
Architectural Lighting Design
29 Broadway, 3rd Floor
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SAN FRANCISCO, CA
94105
(415) 523-3548

CONSULTING STRUCTURAL ENGINEERS
WWW.RESURGET.ENGINEERING

RE PROJECT NO.: 24106

Date	Description
07.16.2026	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
Ticketing Hall Restroom

Project Number
10.6424.020

Description
COLD FORMED METAL FRAMING
DETAILS

Scale
As indicated

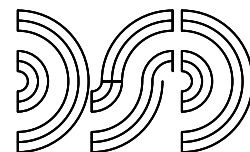
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Wayne County
Airport Authority

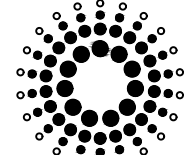
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SYMBOL LEGEND		
TWO LINE SYMBOLS	SCHEMATIC SYMBOLS	DESCRIPTION
		EXISTING TO REMAIN
		EXISTING TO BE REMOVED
		NEW WORK
		NEW CONNECTION TO EXISTING
		PIPING ELBOW UP
		PIPING ELBOW DOWN
		PIPING TEE UP
		PIPING TEE DOWN
		DIELECTRIC UNION OR FLANGE CONNECTION
		ISOLATION VALVE
		GATE VALVE
		CHECK VALVE
		BUTTERFLY VALVE
		SOLENOID VALVE
		BALL VALVE
		GLOBE VALVE
		LUBRICATED PLUG VALVE
		BALANCE VALVE
		CONTROL VALVE - 2 WAY
		CONTROL VALVE - 3 WAY
		BACKWATER VALVE
		STRAINER
		THERMOMETER
		PRESSURE GAUGE WITH BALL VALVE
		ORCUT SETTER
		FLOW METER
		PIPE EXPANSION LOOP
		PIPE ANCHOR
		PIPE GUIDE
		CONCRETE THRUST BLOCK
		FLOW ARROW
		FIRE DAMPER HORIZONTAL POSITION
		COMBINATION FIRE/SMOKE DAMPER HORIZONTAL POSITION
		SMOKE DAMPER HORIZONTAL POSITION
		FIRE DAMPER VERTICAL POSITION
		COMBINATION FIRE/SMOKE DAMPER VERTICAL POSITION
		SMOKE DAMPER VERTICAL POSITION
		FIRE PROTECTION FLOW SWITCH
		FIRE PROTECTION TAMPER SWITCH
		MOTORIZED DEVICE
		SUPPLY AIR CEILING DIFFUSER
		RETURN AIR REGISTER OR GRILLE
		EXHAUST AIR REGISTER OR GRILLE
		FLEXIBLE DUCT
		SPIN-IN FITTING WITH VOLUME DAMPER (TO BOTTOM OF DUCT)
		SPIN-IN FITTING WITH VOLUME DAMPER (TO SIDE OF DUCT)
		CONCENTRIC REDUCER (PIPE OR DUCT)
		ECCENTRIC REDUCER (PIPE OR DUCT)
		THERMOSTAT
		HUMIDISTAT
		TEMPERATURE CONTROL SENSOR

ABBREVIATIONS	
SYMBOL	DESCRIPTION
A.A.V.	AUTOMATIC AIR VENT
ABV	ABOVE
A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
A.S.R.	AUTOMATIC SPRINKLER RISER
B.O.D.	BOTTOM OF DUCT
B.O.P.	BOTTOM OF PIPE
B.W.V.	BACK WATER VALVE
C.A.	COMPRESSED AIR
CHWP	CHILLED WATER PUMP
C.I.	CAST IRON
C.O.	CLEAN OUT
CONN.	CONNECTION

ABBREVIATIONS	
SYMBOL	DESCRIPTION
C.W.	COLD WATER
C.W.P.	CONDENSER WATER PUMP
C.V.	CONTROL VALVE
D.C.W.	DOMESTIC COLD WATER
DN	DOWN
D&T	DRIP AND TRAP
E.W.C.	ELECTRIC WATER COOLER
E.W.H.	ELECTRIC WATER HEATER
EXH.	EXHAUST
E.R.	EXHAUST REGISTER
F.D.	FLOOR DRAIN
FLR.	FLOOR
F.H.	FIRE HYDRANT
F.U.	FIXTURE UNITS (DRAINAGE)
G.D.	GARBAGE DISPOSAL
G.V.	GATE VALVE
GL.V.	GLOBE VALVE
H.B.	HOSE BIBB
H.C.	HOSE CABINET
H.W.	HOT WATER
HYD.	HYDRANT
H.O.	HUB OUTLET
I.E.	INVERT ELEVATION
LAV.	LAVATORY
M.B.H.	THOUSAND BTU/HR (BRITISH THERMAL UNITS PER HOUR)
M.H.	MANHOLE
N.I.C.	NOT IN CONTRACT
NK.	NECK
O.A.	OUTSIDE AIR
PCHWS	PRIMARY CHILLED WATER SUPPLY
PCHWR	PRIMARY CHILLED WATER RETURN
P.H.	PHYSICALLY HANDICAPPED
P.R.V.	PRESSURE REDUCING VALVE
P.T.	PLUGGED TEE
R.A.	RETURN AIR
R.A.F.	RETURN AIR FAN
R.C.	RAINWATER CONDUCTOR
R.C.(S)	RAINWATER CONDUCTOR SECONDARY
R.S.	ROOF SUMP
S.A.	SUPPLY AIR
SAN	SANITARY PIPE
SCHWS	SECONDARY CHILLED WATER SUPPLY
SCHWR	SECONDARY CHILLED WATER RETURN
S.S.	SERVICE SINK
T.A.D.	TRANSFER AIR DUCT
T.D.C.	TILE DRAIN CONNECTION
TYP.	TYPICAL
UR.	URINAL
V	VENT
VAV	VARIABLE AIR VOLUME BOX
VAVR	VARIABLE AIR VOLUME BOX WITH HOT WATER REHEAT
VAVRE	VARIABLE AIR VOLUME BOX WITH ELECTRIC REHEAT
V.T.R.	VENT THROUGH ROOF
V.D.	VOLUME DAMPER
V.O.	VALVED OUTLET
W	WASTE
W.C.	WATER CLOSET
W.C.O.	WALL CLEAN OUT
W.H.	WALL HYDRANT

MECHANICAL SHEET INDEX	
SHEET	
M0.01	MECHANICAL GENERAL INFORMATION
M0.02	GATE LEVEL MECHANICAL PARTIAL PLANS
M0.03	TICKETING LEVEL MECHANICAL PARTIAL PLANS
M0.04	MECHANICAL SCHEDULES AND DETAILS

OVERVIEW OF MECHANICAL SCOPE

THIS OVERVIEW OF SCOPE IS INCLUDED TO GIVE THE CONTRACTOR A GENERAL OVERVIEW OF THE PROJECT REQUIREMENTS. THE OVERVIEW IS NOT ALL INCLUSIVE AND IS NOT INTENDED TO AND SHOULD NOT BE USED TO ESTABLISH CONTRACT LIMITS OR PRICING INCLUSIONS. THE CONTRACT DOCUMENTS SHALL BE USED TO ESTABLISH CONSTRUCTION CONTRACT SCOPE.

THIS OVERVIEW OF SCOPE INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

- MECHANICAL:
- DEMOLISH AND REMOVE EXISTING HVAC AND OTHER MECHANICAL SYSTEMS/EQUIPMENT ITEMS AS INDICATED.
 - PROVIDE NEW/MODIFIED HVAC AND EXHAUST SYSTEMS TO THE BUILDING AREAS INCLUDING EXTENSION, MODIFICATIONS AND NEW SYSTEMS.
 - PROVIDE NEW/MODIFIED TEMPERATURE CONTROL SYSTEM AND/OR COMPONENTS AS INDICATED.
 - PROVIDE NEW / MODIFIED PLUMBING SYSTEMS AS INDICATED AND EXTEND / CONNECT TO EXISTING BUILDING SERVICES.
 - PROVIDE NEW / MODIFIED FIRE PROTECTION SYSTEMS AS INDICATED. PROVIDE FULL CERTIFICATION OF THE NEW / MODIFIED SYSTEM.

PROJECT REQUIREMENTS

PROVIDE ALL NECESSARY PERMITS. ALL WORK SHALL BE INSTALLED TO COMPLY WITH THE OWNER'S STANDARDS, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING CODES AND THEIR RELATED REFERENCES:

- 2021 MICHIGAN MECHANICAL CODE
- 2021 MICHIGAN PLUMBING CODE
- 2021 INTERNATIONAL FIRE CODE (AS REFERENCED)
- 2021 INTERNATIONAL FUEL GAS CODE
- NFPA 101 LIFE SAFETY CODE 2012 (AS REFERENCED)
- 2021 MICHIGAN ENERGY CODE
- 2023 NATIONAL ELECTRICAL CODE AS AMENDED BY THE MICHIGAN CONSTRUCTION CODE PART 8, ELECTRICAL CODE RULES.
- 2021 MICHIGAN BUILDING CODE

MANUFACTURER AND MODEL NUMBER LISTED REPRESENTS THE BASIS OF DESIGN FOR THIS PROJECT. THE MECHANICAL CONTRACTOR SHALL BEAR ALL ADDITIONAL COST ASSOCIATED WITH USING EQUIPMENT BY OTHER APPROVED MANUFACTURERS INCLUDING ADDITIONAL COSTS BY OTHER TRADES.

ALL EQUIPMENT INSTALLED SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE FIELD OR PROJECT CONDITIONS DO NOT ALLOW ALL MANUFACTURER'S RECOMMENDATIONS TO BE MET, THE INSTALLING CONTRACTOR SHALL SUBMIT IN WRITING TO THE ENGINEER THE PROPOSED DEVIATION, IN A SKETCH FORM, ACCOMPANIED BY THE MANUFACTURER'S CONCURRENCE.

GENERAL START UP, CONTROL AND BALANCE NOTES

- START UP - EACH NEW AND MODIFIED PIECE OF MECHANICAL EQUIPMENT SHALL RECEIVE A START UP. PACKAGED EQUIPMENT WITH MOTORS SHALL INCLUDE A FACTORY REPRESENTATIVE START UP. OTHER EQUIPMENT SHALL RECEIVE A MECHANICAL CONTRACTOR OR PLUMBING CONTRACTOR START UP (BASED ON WHO PURCHASED THE EQUIPMENT OR WHO IT WAS ASSIGNED TO). START UP REPORTS SHALL INCLUDE A FUNCTIONAL TEST OF ALL MODES OF OPERATION AND A WITNESSED REPORT OF THE VALIDATION BY THE CONTRACTOR, WHERE PERFORMED BY THE SUPPLIER OR THE OWNER'S REPRESENTATIVE WHERE PERFORMED BY THE CONTRACTOR.
- TEMPERATURE CONTROL CONTRACTOR (TCC) OR TEMPERATURE CONTROL WIRING CONTRACTOR SHALL PERFORM A DOCUMENTED STARTUP ON THE MECHANICAL CONTROLS. THIS SHALL VALIDATE THE START UP REPORT.
- EACH SYSTEM SHALL BE TESTED IN EACH MODE OF OPERATION.
- DISCHARGE AIR TEMPERATURE, PRESSURE AND OTHER SYSTEM PARAMETERS ARE TO BE RECORDED DURING TESTING.
- TEST IS TO SIMULATE VARYING SPACE DEMAND TO PROVE THE SYSTEM CONTROLS ARE AUTOMATICALLY FUNCTIONING.
- SYSTEM SAFETY FEATURES (FREEZE THERMOSTATS, HIGH PRESSURE, ETC.) ARE TO BE TESTED TO PROVE OPERATION.
- TCC SHALL PROVIDE A WRITTEN REPORT FOR EACH CONTROLLED COMPONENT SHOWING TESTING AND PROPER OPERATION.
- TEST AND BALANCE - EACH NEW OR MODIFIED SYSTEM SHALL RECEIVE A HYDRONIC AND/OR AIR TEST AND BALANCE AT THE CONCLUSION OF THE INSTALLATION (AND AS DESIGNATED OTHERWISE). THE MINIMUM BALANCE SHALL INCLUDE THE SYSTEM TOTALS OF THE MAIN EQUIPMENT DELIVERING THE AIR OR WATER (INCLUDING THE HP, BHP, MOTOR AMPS, RPM AND FLOW RATES) AS WELL AS INDIVIDUAL BALANCES OF EACH ITEM MODIFIED AS A PART OF THE PROJECT, (EACH DIFFUSER, COIL, ETC.), WHERE NEW SYSTEMS ARE PROVIDED. A FULL TEST AND BALANCE SHALL BE PROVIDED IN ACCORDANCE WITH ASHRAE HVAC APPLICATIONS HANDBOOK.

PIPING LEGEND	
SYMBOL	DESCRIPTION
	CONDENSATE DRAIN (GRAVITY)
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	COMBINATION SEWER
	CONDENSATE RETURN
	FIRE PROTECTION
	NATURAL GAS
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	HIGH PRESSURE STEAM
	LOW PRESSURE CONDENSATE
	LOW PRESSURE STEAM
	PUMPED CONDENSATE
	SANITARY
	STORM
	VENT
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATING

△ Date	Description
07.16.26	ISSUE FOR BID

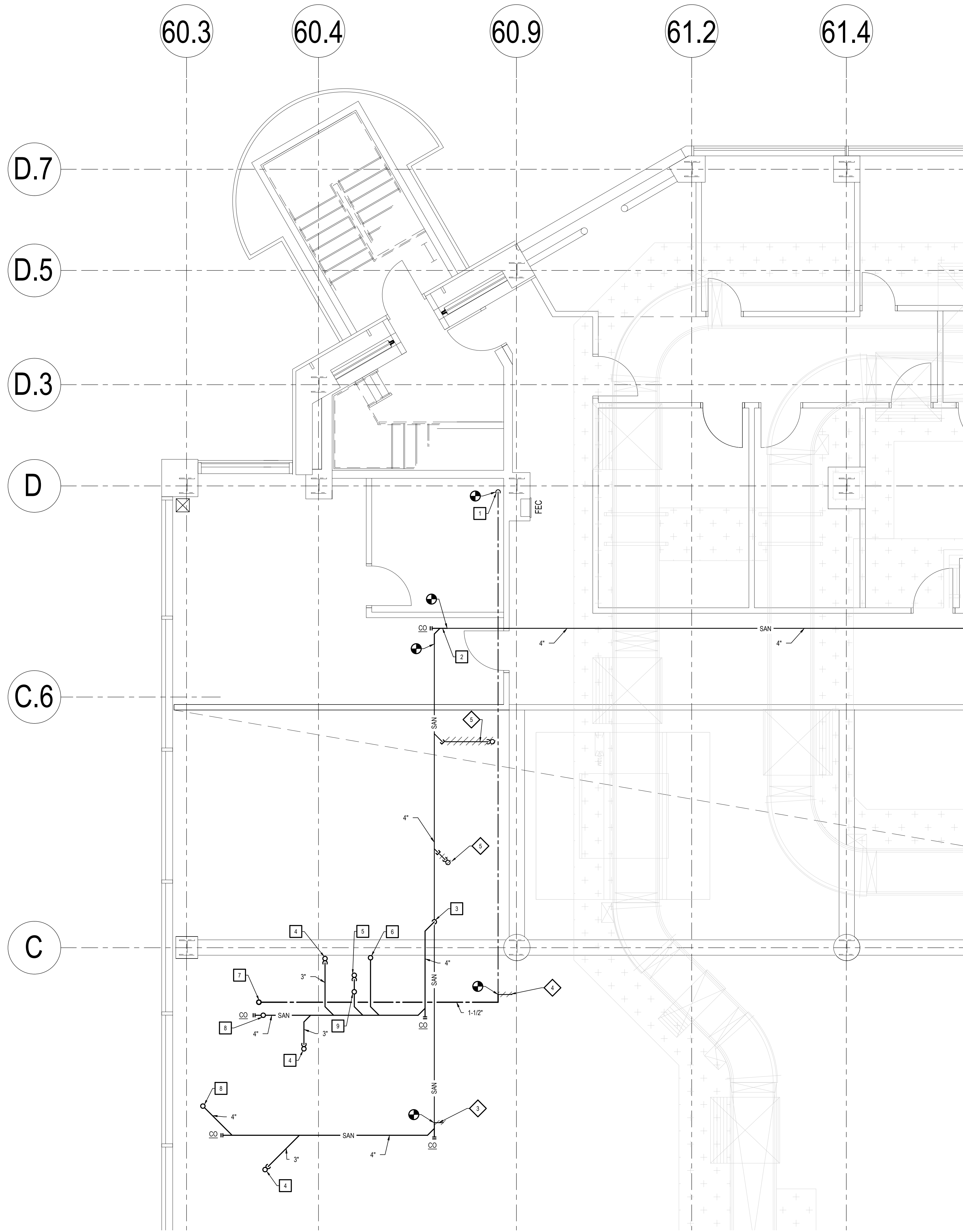
Seal / Signature

Project Name
TICKETING FAMILY
RESTROOMS
Project Number
10.6424.000
Description

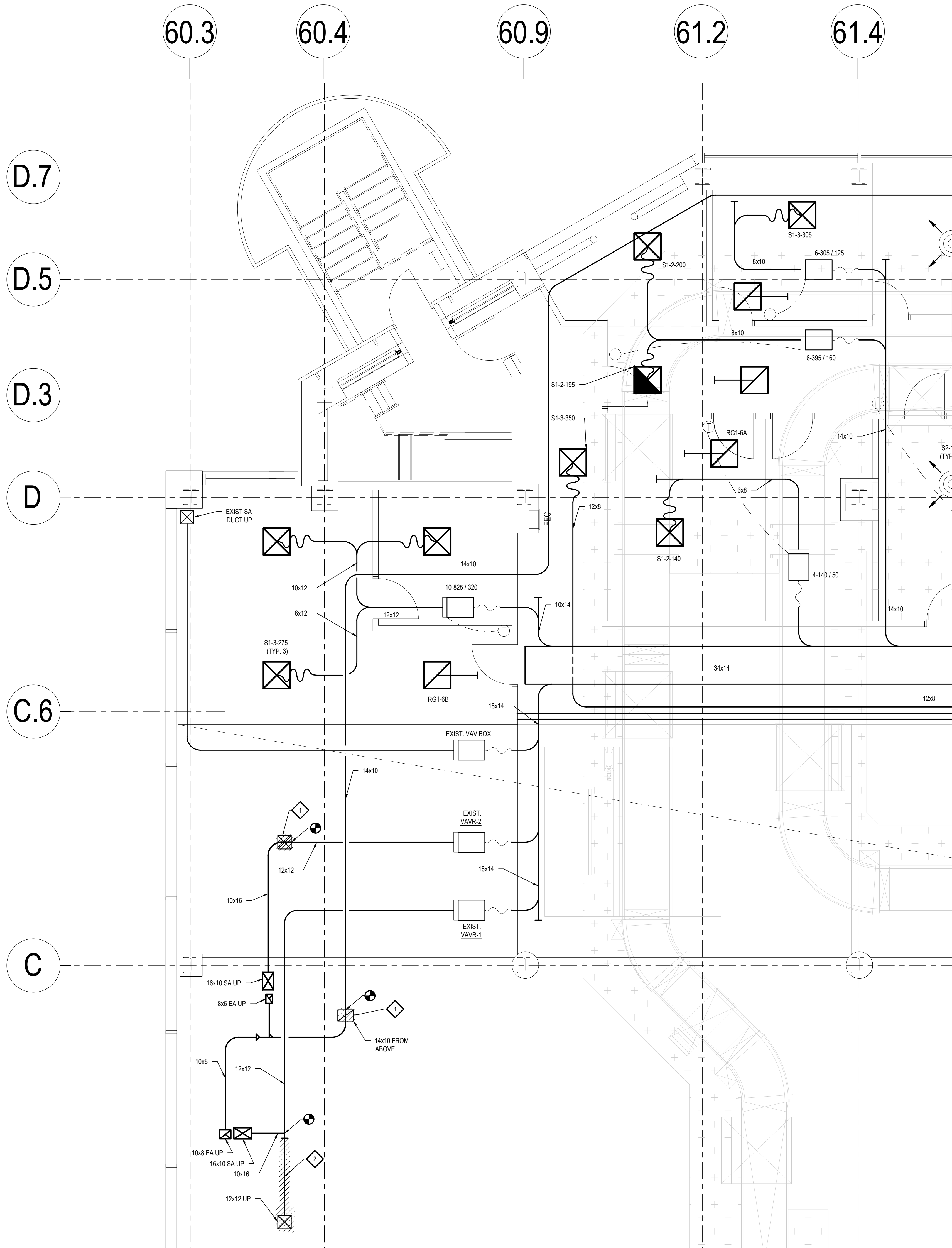
MECHANICAL GENERAL
INFORMATION

Scale
NOT TO SCALE

M0.01



 **GATE LEVEL PLUMBING PARTIAL PLAN**
1/4" = 1'-0"



 **GATE LEVEL HVAC PARTIAL PLAN**
1/4" = 1'-0"

SHEET NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADII OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANES. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
7. COORDINATE AND PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO BALANCING DAMPERS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
8. PAINT ALL VISIBLE INSIDE SURFACES OF GRILLES, REGISTERS AND DIFFUSERS FLAT BLACK.
9. BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
10. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".
11. BALANCE DIFFUSERS, REGISTERS, AND GRILLES TO AIRFLOW INDICATED ON PLAN. ADJUST EXISTING EXHAUST FANS AS NECESSARY TO ACHIEVE DESIRED AIRFLOW.
12. COORDINATE ALIGNMENT TO LINEAR DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
13. PIPING SHALL NOT BE INSTALLED IN LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
14. PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEAN OUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
15. FIELD VERIFY LOCATION AND SIZE OF EXISTING PIPING. THOROUGHLY CLEAN STORM AND SANITARY PIPING TO ENSURE PROPER FLOW. REPLACE CORRODED PIPING AS INDICATED OR AS NECESSARY.
16. MINIMUM RUN-OUT PIPE SIZE TO SPRINKLER HEADS SHALL BE 1".
17. CONTRACTOR SHALL MAKE APPLICATION AND PAY FOR ALL INSPECTION, PERMIT AND LICENSE REQUIRED BY THE LOCAL AUTHORITY.
18. PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD CLASSIFICATION.

DEMOLITION KEYED NOTES:

(APPLICABLE THIS SHEET ONLY)

-  REMOVE EXISTING ELBOW UP.
-  REMOVE EXISTING SA DUCTWORK AS INDICATED AND CAP.
-  REMOVE EXISTING SAN PIPING AS INDICATED.
-  REMOVE EXISTING CW PIPING AS INDICATED.
-  REMOVE EXISTING SAN PIPING AND TRAP AS INDICATED AND CAP.

NEW WORK KEYED NOTES:

(APPLICABLE THIS SHEET ONLY)

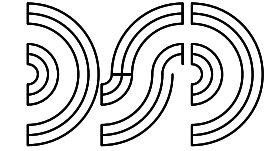
-  CONNECT EXISTING CW PIPING TO CAPPED CW PIPING ABOVE CEILING.
-  CONNECT EXISTING SANITARY SEWER MAINS.
-  CONNECT NEW 4" SAN TO EXISTING WYE FITTING ON EXISTING SAN MAIN.
-  3" W UP TO FD-1.
-  3" W UP TO MS-1.
-  2" W UP TO EWC-1.
-  1-1/2" CW UP THRU FLOOR.
-  4" SAN UP THRU FLOOR.
-  1-1/2" V UP THRU FLOOR.

Wayne County Airport Authority

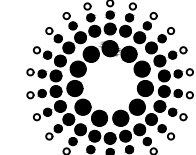
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Date	Description
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Seal / Signature

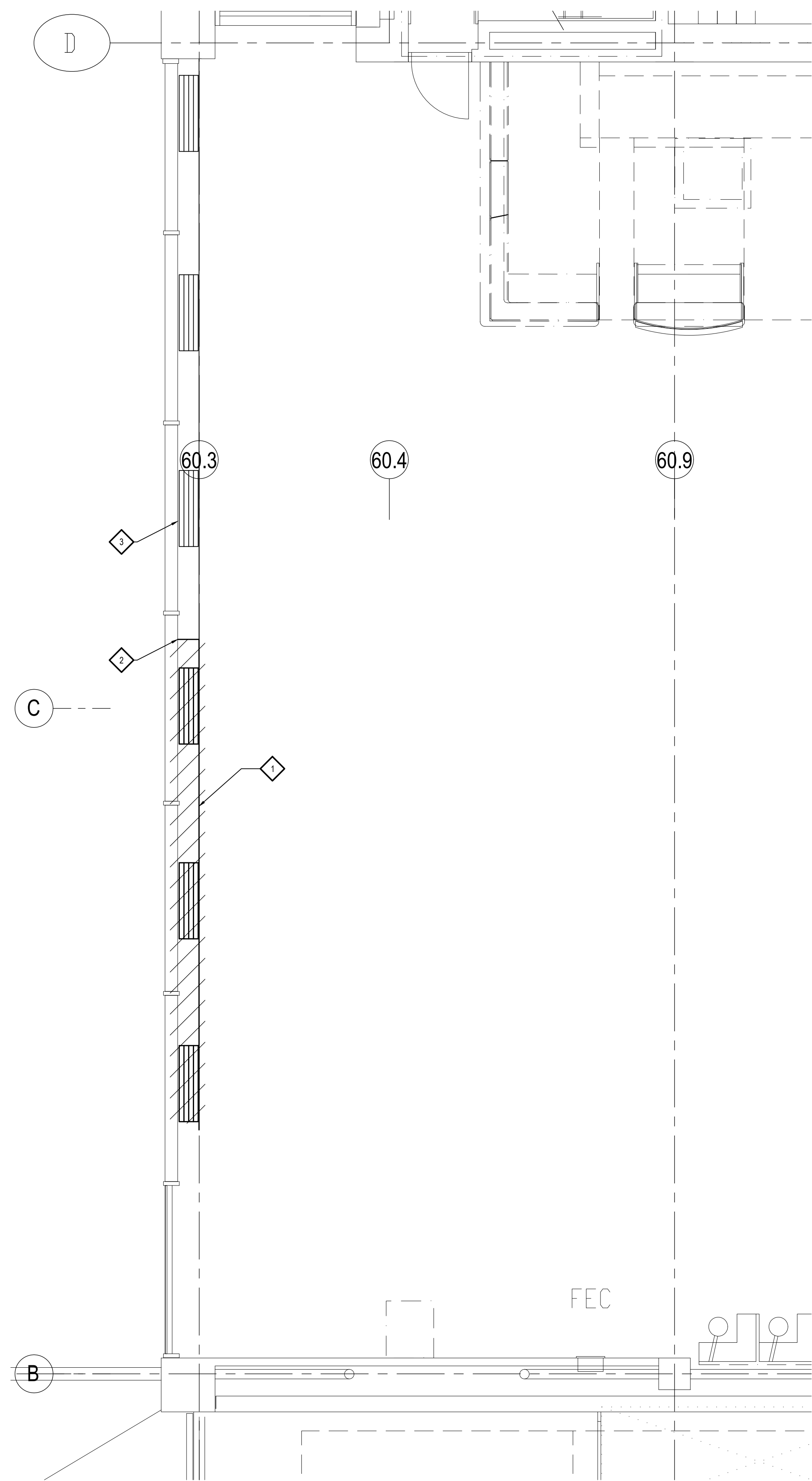
Project Name
**TICKETING FAMILY
RESTROOMS**

Project Number
10.6424.000

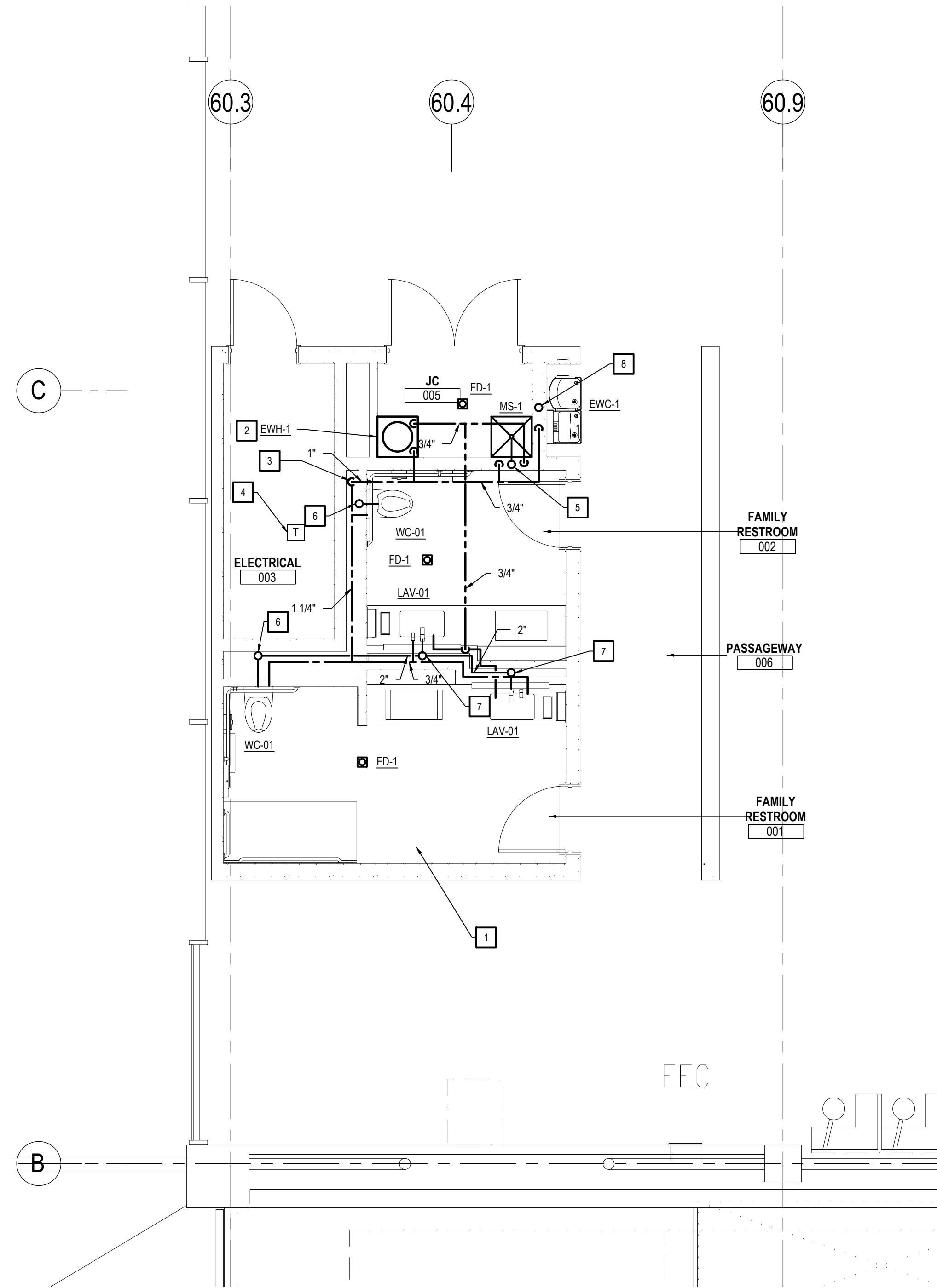
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**GATE LEVEL MECHANICAL PARTIAL
PLANS**

Scale
NOT TO SCALE

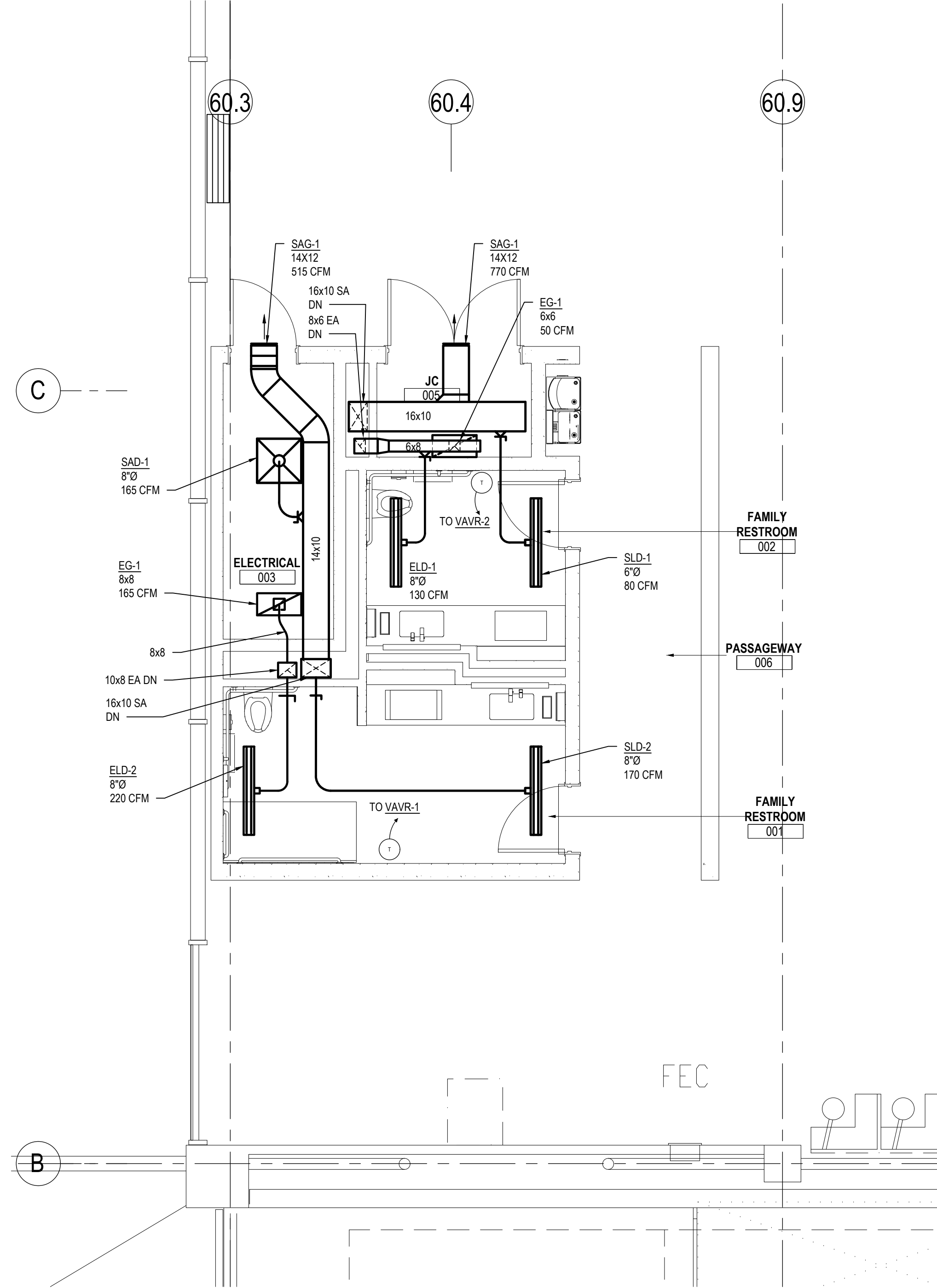
M0.02



TICKETING LEVEL MECHANICAL DEMOLITION PARTIAL PLAN
1/4" = 1'-0"



TICKETING LEVEL PLUMBING PARTIAL PLAN
1/4" = 1'-0"



TICKETING LEVEL HVAC PARTIAL PLAN
1/4" = 1'-0"

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- COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
- COORDINATE AND PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO BALANCING DAMPERS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- PAINT ALL VISIBLE INSIDE SURFACES OF GRILLES, REGISTERS AND DIFFUSERS FLAT BLACK.
- BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
- MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".
- BALANCE DIFFUSERS, REGISTERS, AND GRILLES TO AIRFLOW INDICATED ON PLAN. ADJUST EXISTING EXHAUST FANS AS NECESSARY TO ACHIEVE DESIRED AIRFLOW.
- COORDINATE ALIGNMENT TO LINEAR DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PIPING SHALL NOT BE INSTALLED IN LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
- PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEAN OUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
- FIELD VERIFY LOCATION AND SIZE OF EXISTING PIPING. THOROUGHLY CLEAN STORM AND SANITARY PIPING TO ENSURE PROPER FLOW. REPLACE CORRODED PIPING AS INDICATED OR AS NECESSARY.
- MINIMUM RUN-OUT PIPE SIZE TO SPRINKLER HEADS SHALL BE 1".
- CONTRACTOR SHALL MAKE APPLICATION AND PAY FOR ALL INSPECTION, PERMIT AND LICENSE REQUIRED BY THE LOCAL AUTHORITY.
- PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD CLASSIFICATION.

DEMOLITION KEYED NOTES:

(APPLICABLE THIS SHEET ONLY)

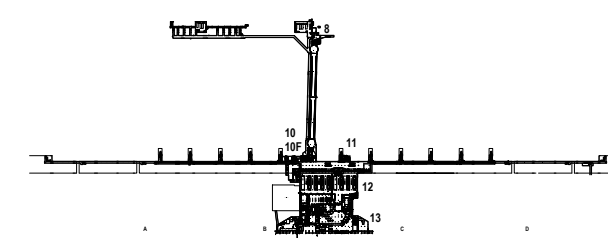
- REMOVE EXISTING AIR PLENUM AND SUPPLY GRILLES AS INDICATED.
- CAP END OF AIR PLENUM.
- MEASURE AIRFLOW FROM EXISTING SUPPLY GRILLES. REBALANCE REMAINING GRILLES TO PROVIDE TOTAL AIRFLOW EQUAL TO ORIGINAL.

NEW WORK KEYED NOTES:

(APPLICABLE THIS SHEET ONLY)

- INSTALL NEW CONCEALED PENDANT SPRINKLERS FOR ENTIRE AREA. DESIGN DENSITY = 0.1 GPM/SF OVER THE MOST REMOTE. 1000 SF. MAX. AREA PER SPRINKLER = 225 SF.
- INSTALL WATER HEATER, EWH-1 ON WALL MOUNTED AT 6'-0" AFF. ROUTE 3/4" CW AND 3/4" HW TO EWH-1.
- 1-1/2" CW DN THRU FLOOR.
- PROVIDE TRANSFORMER TO SERVE FLUSH VALVES. LOCATE TRANSFORMER ABOVE CEILING. COORDINATE WITH ELECTRICAL TRADES.
- 1-1/2" V THRU FLOOR. EXTEND VENT TO ABOVE CEILING AND TERMINATE WITH AIR ADMITTANCE VALVE.
- 4" SAN DN THRU FLOOR. 2" V UP. EXTEND VENT TO ABOVE CEILING AND TERMINATE WITH AIR ADMITTANCE VALVE.
- EXTEND VENT PIPING TO ABOVE CEILING AND TERMINATE WITH AIR ADMITTANCE VALVE.
- 1-1/2" W DN THRU FLOOR. 1-1/2" V UP. EXTEND VENT TO ABOVE CEILING AND TERMINATE WITH AIR ADMITTANCE VALVE.

KEY PLAN

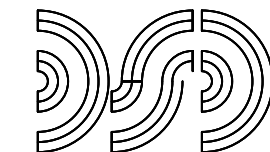


Wayne County Airport Authority

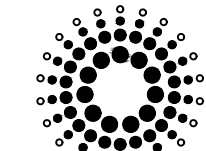
Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242

Gensler

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Project Name

TICKETING FAMILY
RESTROOMS

Project Number

10.6424.000

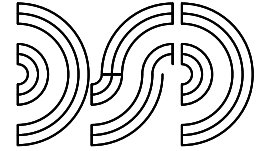
Description

TICKETING LEVEL MECHANICAL
PARTIAL PLANS

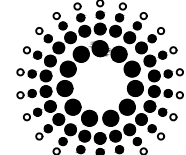
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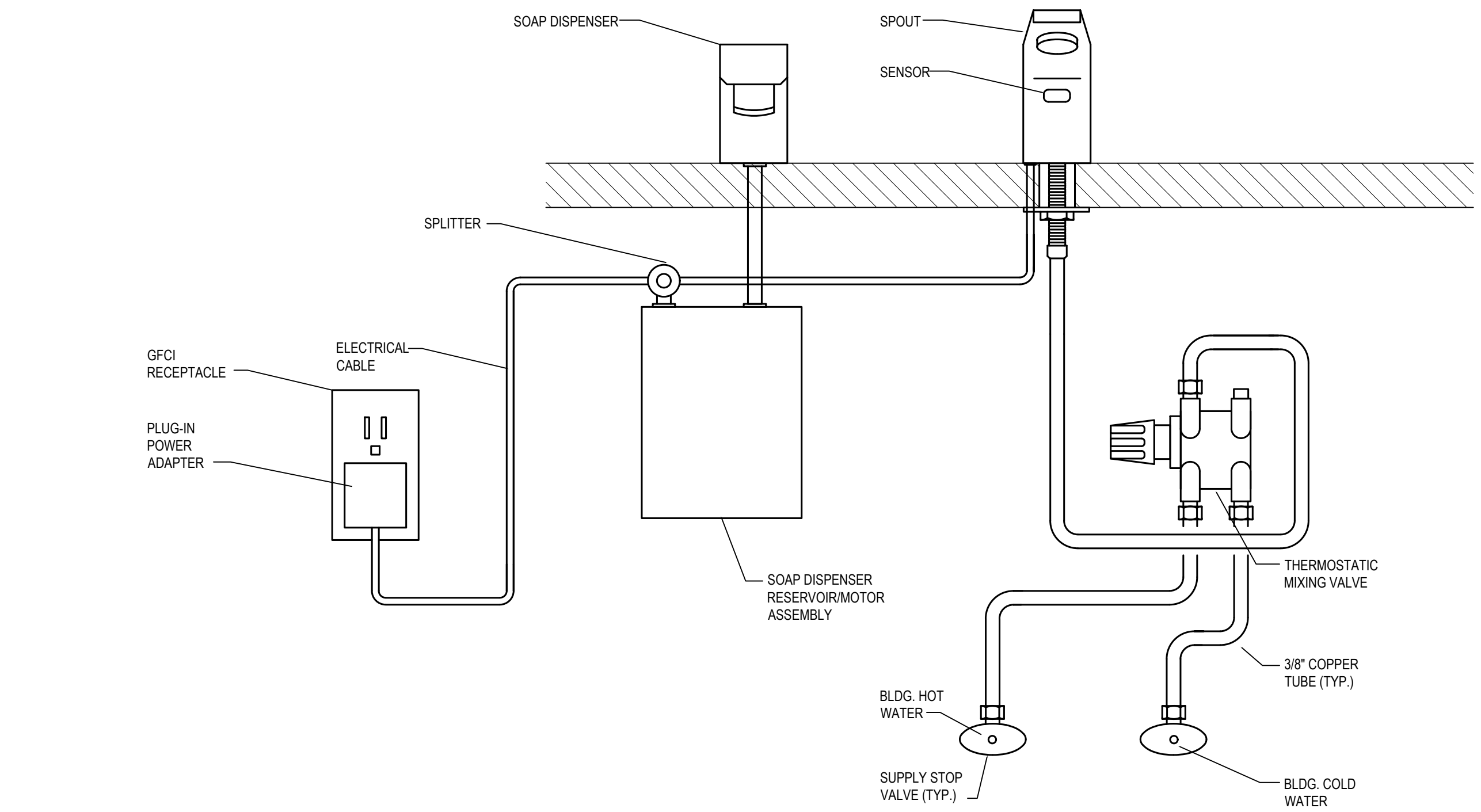
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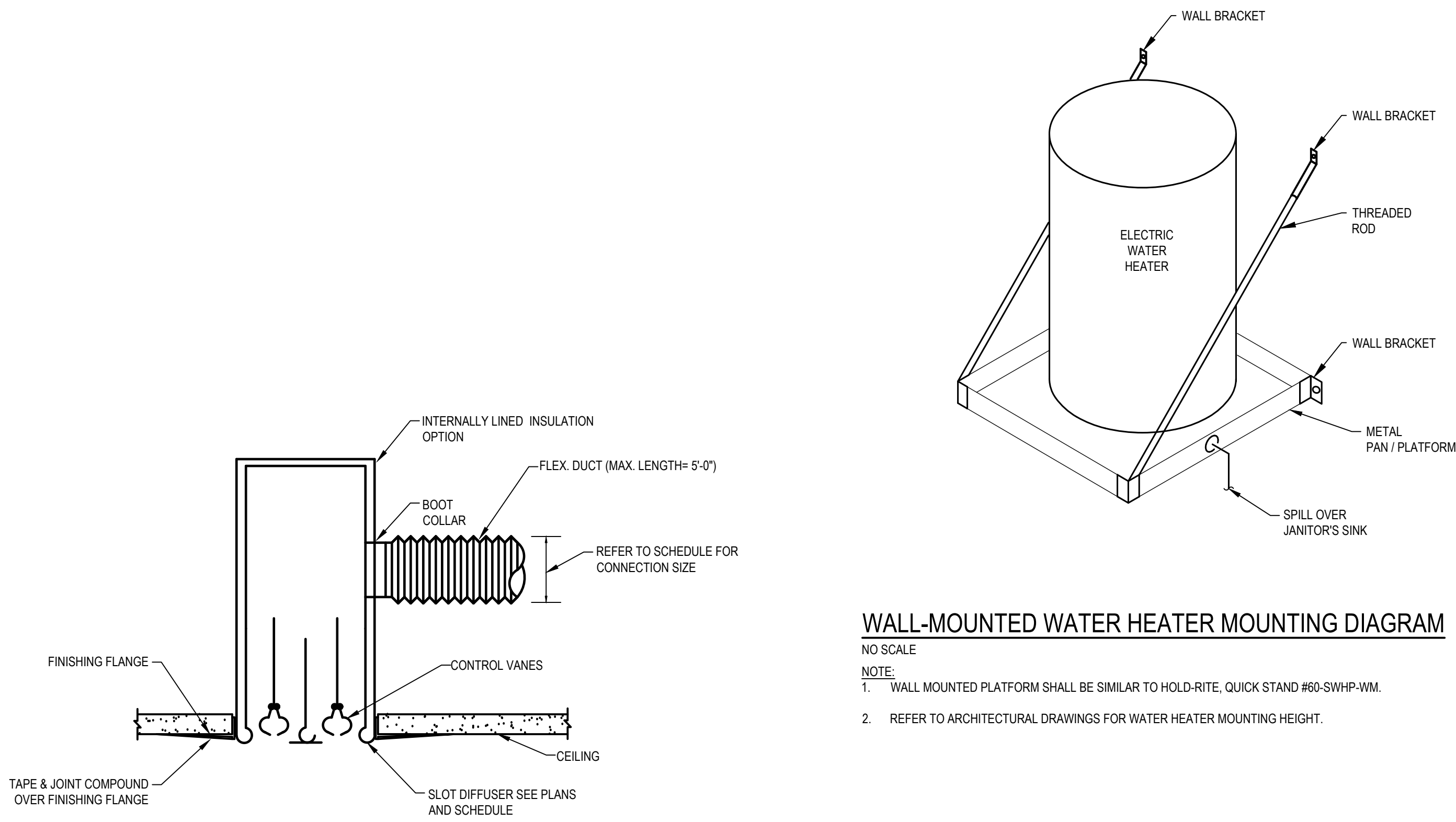
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LAVATORY SYSTEM PIPING DIAGRAM

NO SCALE

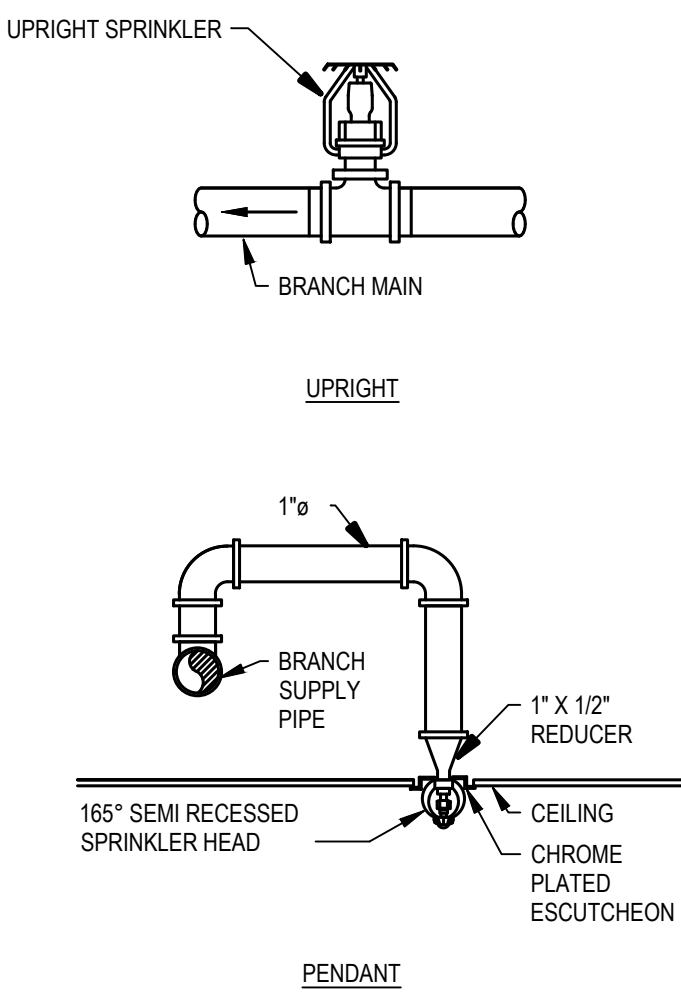
NOTE:
ARRANGEMENT IS TYPICAL FOR EACH
STATION.



WALL-MOUNTED WATER HEATER MOUNTING DIAGRAM

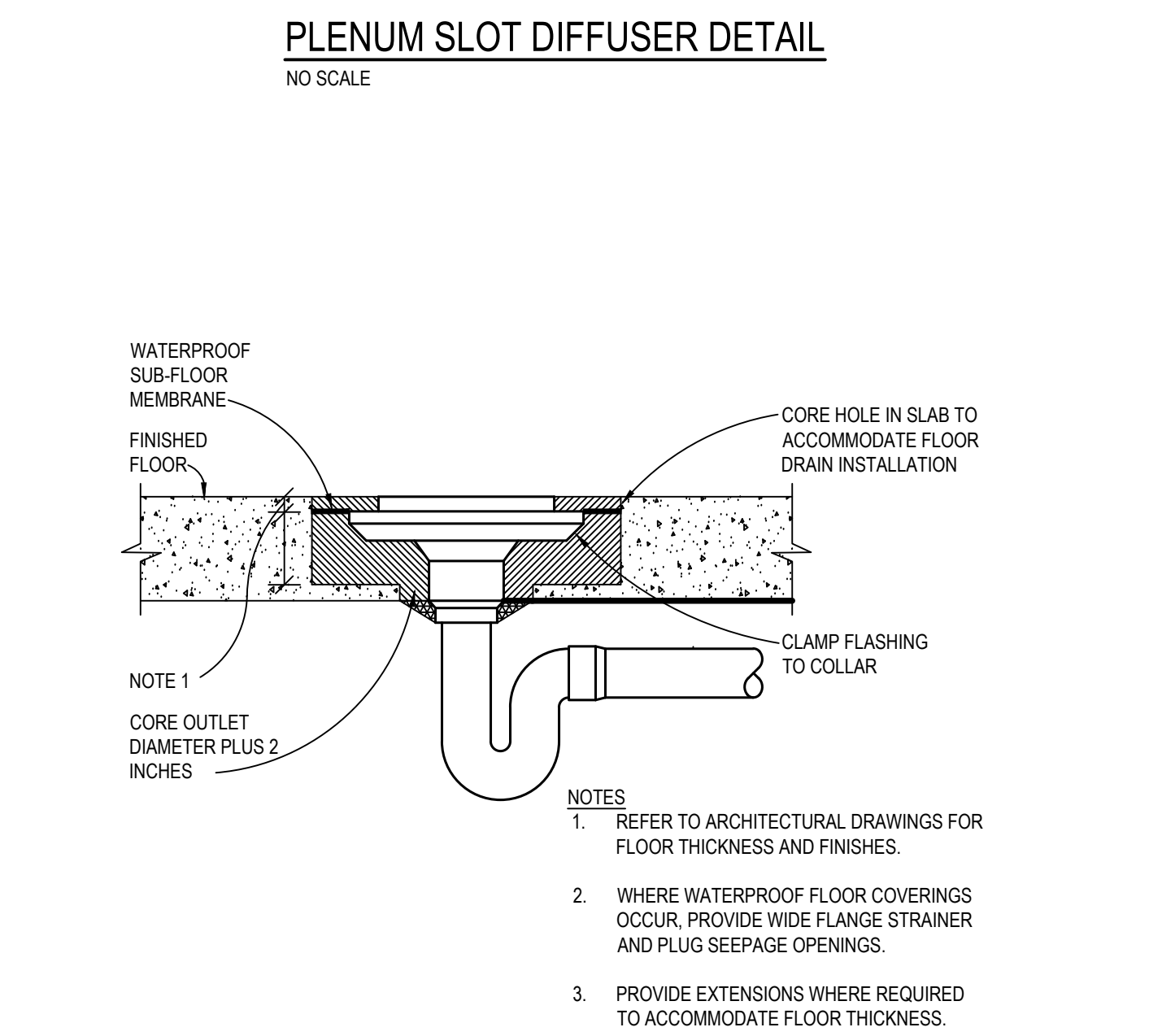
NO SCALE

NOTE:
1. WALL MOUNTED PLATFORM SHALL BE SIMILAR TO HOLD-RITE, QUICK STAND #80-SWHF-WM.
2. REFER TO ARCHITECTURAL DRAWINGS FOR WATER HEATER MOUNTING HEIGHT.



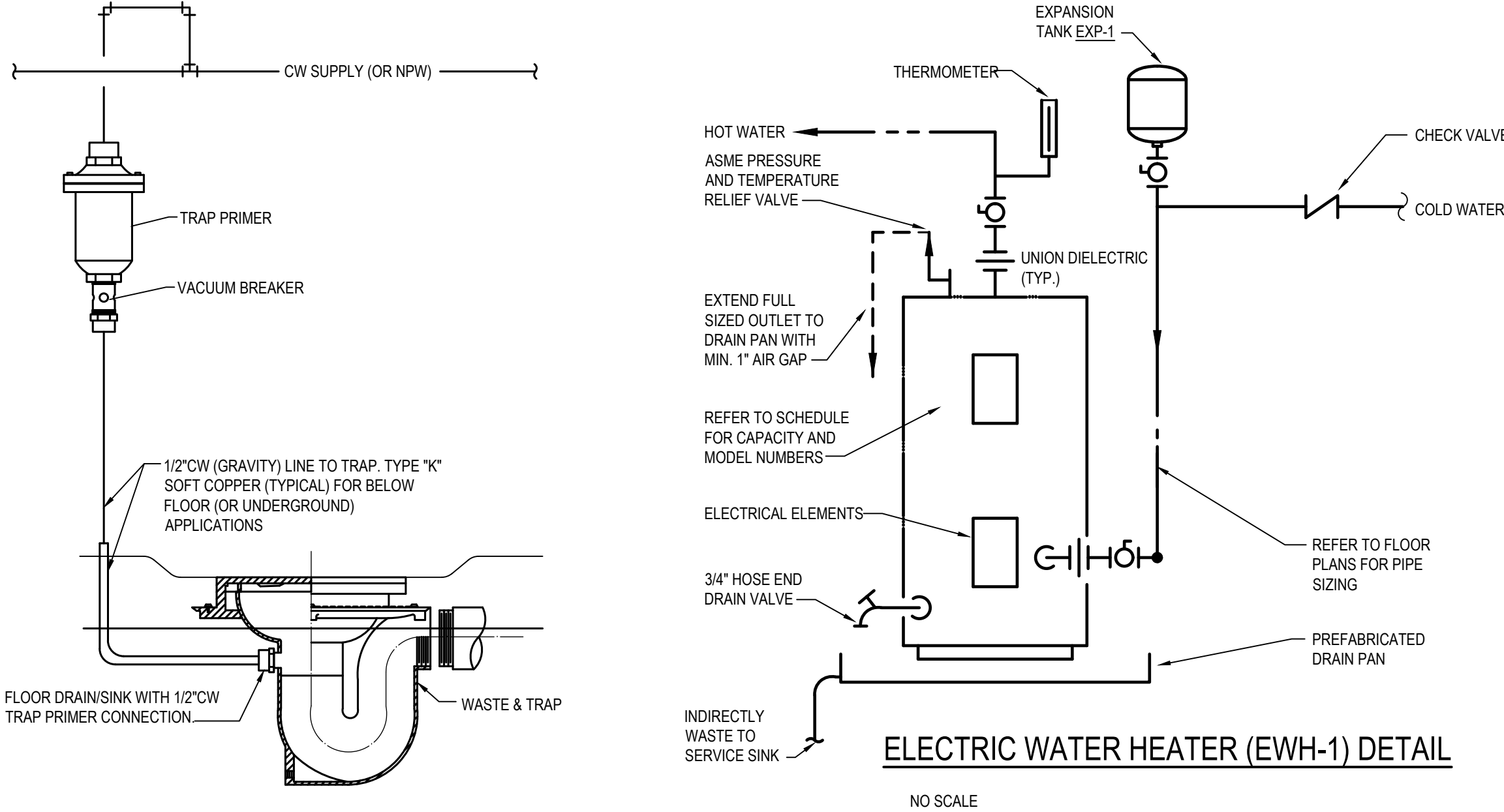
SPRINKLER HEAD DETAILS

NO SCALE



FLOOR DRAIN DETAIL (EXISTING FLOORS)

NO SCALE



TRAP PRIMER TO FLOOR DRAIN DETAIL

NO SCALE

EXPANSION/COMPRESSION TANK SCHEDULE										
MARK	SYSTEM SERVED	LIQUID	FILL TEMP °F	FILL OR MIN. PRESSURE PSIG	MAXIMUM OPER. PRESS PSIG	ACCEPTANCE VOLUME GALLONS	TANK CAPACITY GAL.	TANK APPROX. DIMENSIONS IN.	BASIS OF DESIGN MODEL NUMBER	REMARKS
EXP-1	ELECTRIC WATER HEATER	POTABLE WATER	40°F	38 PSIG	125 PSI	4.4	3.2	11"D x 15" H	XYLEM MPT-12	NON-ASME RATED TANK, NSF-61 LISTED

VARIABLE AIR VOLUME WIREHEAT (VAVR) BOX SCHEDULE - HOT WATER HEATING - EXISTING																	
MARK	CFM RANGE		INLET SIZE (IN.)	SOUND LEVELS		MINIMUM INLET PRESSURE IN.WG.	HOT WATER HEATING INFORMATION								BASIS OF DESIGN MODEL NUMBER		REMARKS
	CLG. MAX.	CLG. MIN.	RADIATED NC	DISCH. NC	INLET PRESSURE IN.WG.	HTG. AIR FLOW	HTG. MBH	EAT °F	LAT °F	APD IN.WG.	EWI °F	LWT °F	FLUID GPM	WPD FT.			
VAVR-1	850	240	10	-	-	1.0	480	19.3	57	94	.09	200	180	2.0	0.7	-	-
VAVR-2	850	240	10	-	-	1.0	480	19.3	57	94	.09	200	180	2.0	0.7	-	-

PLUMBING FIXTURE CONNECTION SCHEDULE									
DESIGNATION	DESCRIPTION	WATER		DRAIN		MODEL	REMARKS		
		COLD	HOT	WASTE	VENT				
FC-1	FAUCET	1/2"	1/2"	-	-	SLOAN BASYS EFX-200	HARDWIRED SENSOR FAUCET, 0.5 GPM, DECK MOUNTED		
LAV-01	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	SLOAN AER-DEC. AD-81000	WALL MOUNT 1-1/2" STATION LAVATORY SYSTEM, ONE BOWL, (24"x15"x8" EACH); FAUCET FC-1, PROVIDE WITH THERMOSTATIC MIXING VALVE, TMV-1.		
TMV-1	THERMOSTATIC MIXING VALVE	1/2"	1/2"	-	-	ACORN ST-7017	ASSE 1070; POINT OF USE, UNDER SINK, SET TO 110°F		
WC-01	WATER CLOSET	1"	-	4"	2"	SLOAN ST-2469-STG	ADA COMPLIANT, WALL MOUNTED, VITREOUS CHINA, ELONGATED BOWL, Siphon Jet, BACK SPUD, 1.28 GPF EXTRA HEAVY DUTY TOILET SEAT WITH OPEN FRONT, FLUSH VALVE, PV-1		
PV-1	WATER CLOSET FLUSH VALVE	1"	-	-	-	SLOAN CX 8158-1.28-SF-OR	HARDWIRED, CONCEALED SENSOR, 1.28 GPF, STAINLESS STEEL FINISH		
FC-2	FAUCET	3/4"	3/4"	-	-	FIAT 830-AA	WALL MOUNTED, CHROME PLATED WITH VACUUM BREAKER AND PAIL HOOK, WITH 833AA HOSE AND HOSE BRACKET		
FD-1	FLOOR DRAIN	-	-	2"	-	ZURN Z4158	6" ROUND TOP, CAST IRON, NO-HUB OUTLET		
MS-1	MOP SINK	3/4"	3/4"	3"	1-1/2"	FIAT TSB 3000	24"x24"x12, PRECAST TERRAZZO, STAINLESS STEEL CAPS, 6" DROP FRONT, 3" DRAINS, FAUCET, FC-2		
TRAP PRIMER	TRAP PRIMER VALVE	1/2"	-	-	-	SILOUX CHIEF #895-01	SEE PLANS FOR LOCATIONS (SILOUX CHIEF #895-01 - SINGLE VALVE PER TRAP)		
WHA-1	WATER HAMMER ARRESTOR	3/4"	-	-	-	"WATTS" SERIES 15	SEE PLANS FOR LOCATIONS (SILOUX CHIEF #895-01 - SINGLE VALVE PER TRAP)		
EW-1	ELECTRIC WATER COOLER	1/2"	-	1-1/2"	1-1/2"	ELKAY LVRC TLBY9SK	ELKAY, LVRC TLBY9SK VANDAL RESISTANT, STAINLESS STEEL - WATER COOLER WITH BOTTLE FILLER, FRONT PUSHBUTTON, 115V PLUG CONNECTION, 8 GPH CAPACITY. PROVIDE WITH IN-WALL MOUNTING PLATE		

NOTES:

- PRODUCTS MUST COMPLY WITH BUY AMERICAN PROVISIONS. REFER TO SECTION 011000 - "PROJECT SUMMARY" FOR BUY AMERICAN REQUIREMENTS.
- INSULATE EXPOSED HW, CW, W.V. TRAP, MIXING VALVE, ETC. BELOW BELOW PH FIXTURES WITH PRE-FORMED INSULATION. REFER TO SECTION 011000 - "PROJECT SUMMARY" FOR BUY AMERICAN REQUIREMENTS.
- INSTALL THERMOSTATIC MIXING VALVE, TMV-1, BELOW ALL HAND WASHING FIXTURES FOR EACH LAVATORY SYSTEM.
- BASIS OF DESIGN LAVATORY SYSTEM IS AN INTEGRAL SINK SYSTEM WITH MONOLITHIC CONSOLE AND ONE BASIN, DECK MOUNTED HAND DRYER, DECK MOUNTED SENSOR FAUCET AND DECK MOUNTED SOAP DISPENSER. ALTERNATE DESIGN IS TO PROVIDE LAVATORY SYSTEM CONSISTING OF SEPARATE COMPONENTS. REFER TO FIXTURE SCHEDULE ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR TOTAL LAVATORY SYSTEM DIMENSIONS AND ACCESSORIES.

ELECTRIC WATER HEATER SCHEDULE									
MARK	AREA SERVED	LOCATION	WATER		UNIT POWER			BASIS OF DESIGN MODEL NUMBER	REMARKS
			STORAGE CAPACITY (GALLONS)	RECOVERY 100°F RISE	HW	VOLTAGE	PHASE		
EW-1	TOILET ROOMS	J.C. 105	10	12 GPH	3.0	208	1	LOCHINVAR JER-10-STG	-

NOTES:

- PROVIDE WITH DRAIN PAN AND TEMPERATURE / PRESSURE RELIEF VALVE.
- MOUNT WATER HEATER ON SHELF, AT 6'-8" AFF.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE										
MARK	CFM RANGE		TYPE	MOUNTING TYPE	CONSTRUCTION	FINISH	CONNECTION SIZE (IN.)	FACE SIZE (IN.)	BASIS OF DESIGN MODEL NUMBER	REMARKS
	MIN.	MAX.								
SLD-1	0 CFM	125 CFM	SUPPLY LINEAR SLOT DIFFUSER	CEILING	ALUMINUM	WHITE	6"	48" X 3"	TITUS - FL-10	ONE 1" SLOT, 4'-0" LONG, CONCEALED FRAME, WITH FIBER INSULATED PLENUM.
SLD-2	126 CFM	170 CFM	SUPPLY LINEAR SLOT DIFFUSER	CEILING	ALUMINUM	WHITE	8"	48" X 3"	TITUS - FL-10	ONE 1" SLOT, 4'-0" LONG, CONCEALED FRAME, WITH FIBER INSULATED PLENUM.
SAG-1	0 CFM	800 CFM	SIDEWALL SUPPLY GRILLE	SIDEWALL	ALUMINUM	MILL FINISH	14 X 12"	15.6" X 13.6"	TITUS, 300FS	LOUVERED SUPPLY GRILLE, DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO SHORT DIMENSION.
ELD-1	0 CFM	160 CFM	EXHAUST LINEAR SLOT DIFFUSER	CEILING	ALUMINUM	WHITE	8"	48" X 3"	TITUS - FL-10	ONE 1" SLOT, 4'-0" LONG, CONCEALED FRAME, WITH FIBER PLENUM.
ELD-2	161 CFM	300 CFM	EXHAUST LINEAR SLOT DIFFUSER	CEILING	ALUMINUM	WHITE	8"	48" X 5 1/2"	TITUS - FL-10	TWO 1" SLOT, 4'-0" LONG, CONCEALED FRAME, WITH FIBER PLENUM.
SAD-1	0 CFM 101 CFM 251 CFM 401 CFM 551 CFM	100 CFM 250 CFM 400 CFM 550 CFM 700 CFM			ALUMINUM	OFF WHITE	6" 8" 10" 12" 14"	24" X 24"	TITUS OMNI-AA	ALUMINUM, SQUARE PLAQUE DIFFUSER, OPPOSED BLADE DAMPER
EG-1	SEE PLAN	SEE PLAN			ALUMINUM	OFF WHITE	8"	24" X 12"	TITUS PAR-AA	ALUMINUM, PERFORATED FACE

NOTES:

- PRODUCTS MUST COMPLY WITH BUY AMERICAN PROVISIONS. REFER TO SECTION 011000 - "PROJECT SUMMARY" FOR BUY AMERICAN REQUIREMENTS.

△	Date	Description
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Seal / Signature

Project Name
TICKETING FAMILY
RESTROOMS
Project Number
10.6424.000

Description
MECHANICAL SCHEDULES AND
DETAILS

Scale
NOT TO SCALE

M0.04

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MOUNTING	WATTS
R1	LED 4" CONTINUOUS LINEAR WALLWASHER WITH 500LM/FT, 277V, 300K, 80CRI. REFER TO DGA DRAWINGS FOR LENGTHS AND COMPLETE SPECIFICATION. INFORMATION LISTED FOR REFERENCE ONLY.	RECESSED	SWIFT
R3A	LED LIT MIRROR WITH 604LM/1, 300K, 80+ CRI, 120-277V INPUT AS MANUFACTURED BY ELECTRIC MIRROR. SIZES AND SPECIFICATIONS PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. INFORMATION LISTED IS FOR REFERENCE ONLY.	SURFACE	6.7W/FT
R4A	LED 4" SQUARE FLANGLESS DOWNLIGHT WITH 711 LUMENS, 300K, 80+ CRI, 120-277V INPUT, 0-10V DIMMING DRIVER, LUMENWEA® "ARERA 4" DOWNLIGHT. INFORMATION LISTED FOR REFERENCE ONLY.	RECESSED	7

INFORMATION LISTED ABOVE IS FOR REFERENCE AND USED TO CIRCUIT LIGHTING. REFER TO DGA PROJECT SPECIFICATIONS AND DRAWINGS FOR LIGHTING FIXTURE SPECIFICATIONS.

SYMBOL LIST	
SYMBOL	DESCRIPTION
	EXIT LIGHT - CEILING MOUNTED
	EXIT LIGHT - WALL MOUNTED
	RECESSED SQUARE DOWNLIGHT
	SINGLE POLE SWITCH
	KEY SWITCH
	OCCUPANCY / VACANCY SENSOR
	POWER PACK
	CONTROL PANEL BY MECHANICAL TRADES
	LIGHTING / RECEPTACLE / EQUIPMENT PANEL
	TRANSFORMER
	DISCONNECT SWITCH
	JUNCTION BOX
	DUPLEX RECEPTACLE OUTLET
	FIRE ALARM VISUAL FLASHER - WALL MOUNTED (WHITE DEVICE WITH RED LETTERS)
	SMOKE DETECTOR, STAND ALONE 120V
	ABOVE FINISHED FLOOR
	EXISTING EQUIPMENT / DEVICE
	GROUND FAULT INTERRUPTER
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW

ELECTRICAL SHEET INDEX	
SHEET	DESCRIPTION
ED.01	ELECTRICAL GENERAL INFORMATION
ED.02	PARTIAL ELECTRICAL FLOOR PLANS
ED.03	PANEL SCHEDULES AND PARTIAL ONE LINE DIAGRAM
-	-
-	-
-	-
-	-
-	-

OVERVIEW OF ELECTRICAL SCOPE

THIS OVERVIEW OF SCOPE IS INCLUDED TO GIVE THE CONTRACTOR A GENERAL OVERVIEW OF THE PROJECT REQUIREMENTS. THE OVERVIEW IS NOT ALL INCLUSIVE AND IS NOT INTENDED TO, AND SHOULD NOT BE USED TO, ESTABLISH CONTRACT LIMITS OR PRICING INCLUSIONS. THE CONTRACT DOCUMENTS SHALL BE USED TO ESTABLISH CONSTRUCTION CONTRACT SCOPE.

THIS OVERVIEW OF SCOPE INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

- ELECTRICAL:
- PROVIDE NEW LIGHTING AND LIGHTING CONTROLS AS INDICATED.
 - PROVIDE ELECTRICAL JUNCTION BOXES, CONDUIT/WIRE, DUPLEX RECEPTACLES, AND BRANCH CIRCUITS AS INDICATED.
 - ELECTRICAL CONNECTIONS FOR MECHANICALLY SUPPLIED EQUIPMENT.
 - ALL FLOOR CORES AS REQUIRED TO BRANCH CIRCUITS SHOWN.
 - PROVIDE DISCONNECT, TRANSFORMER AND PANELBOARD AS INDICATED.

PROJECT REQUIREMENTS

PROVIDE ALL NECESSARY PERMITS. ALL WORK SHALL BE INSTALLED TO COMPLY WITH THE OWNER'S STANDARDS, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING CODES AND THEIR RELATED REFERENCES.

- 2023 NATIONAL ELECTRICAL CODE AS AMENDED BY THE MICHIGAN CONSTRUCTION CODE PART 8, ELECTRICAL CODE RULES.
- NFPA 70 LIFE SAFETY CODE 2021 (AS REFERENCED)
- 2021 MICHIGAN ENERGY CODE
- 2021 INTERNATIONAL FIRE CODE (AS REFERENCED)
- 2021 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
- 2021 MICHIGAN MECHANICAL CODE
- 2021 MICHIGAN PLUMBING CODE
- 2021 INTERNATIONAL FUEL GAS CODE
- 2019 NFPA 110 AND NFPA 111

MANUFACTURER AND MODEL NUMBER LISTED REPRESENTS THE BASIS OF DESIGN FOR THIS PROJECT. THE ELECTRICAL CONTRACTOR SHALL BEAR ALL ADDITIONAL COST ASSOCIATED WITH USING EQUIPMENT BY OTHER APPROVED MANUFACTURERS INCLUDING ADDITIONAL COSTS BY OTHER TRADES.

ALL EQUIPMENT INSTALLED SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE FIELD OR PROJECT CONDITIONS DO NOT ALLOW ALL MANUFACTURER'S RECOMMENDATIONS TO BE MET, THE INSTALLING CONTRACTOR SHALL SUBMIT IN WRITING TO THE ENGINEER THE PROPOSED DEVIATION, IN A SKETCH FORM, ACCOMPANIED BY THE MANUFACTURER'S CONCURRENCE.

LIGHTING CONTROL NOTES:

- THE LIGHTING CONTROLS SHALL COMPLY WITH THE 2021 MICHIGAN ENERGY CODE.
- DEVICES SHOWN ARE FOR CONCEPT ONLY. REFER TO DEVICE INSTALLATION INSTRUCTIONS FOR EXACT DEVICE PLACEMENT.
- TO PREVENT FALSE ACTIVATION ULTRASONIC CEILING MOUNTED SENSORS SHOULD BE MOUNTED AWAY FROM THE PATH OF STRONG AIR TURBULENCE. IN NORMAL AIR FLOW CONDITIONS, SENSORS SHOULD BE MOUNTED FOUR TO SIX FEET AWAY FROM THE SOURCE. FOR TYPICAL PLACEMENT REFER TO MANUFACTURER LOCATION DIAGRAMS. IN LOCATIONS WITH STRONG AIR TURBULENCE A FIR CEILING SENSOR SHOULD BE CONSIDERED.
- ALL STAND ALONE CEILING MOUNTED VACANCY AND OCCUPANCY SENSORS SHALL BE PROVIDED WITH A HEAVY DUTY SWITCH PACK.
- MULTIPLE SENSORS IN A ROOM AND/OR CORRIDOR SHALL BE DASH CHAINED.
- AUTOMATIC OFF SHALL BE SET TO AUTOMATICALLY TIME OUT WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
- FINAL LOCATION OF LIGHTING CONTROL DEVICES SHALL BE BASED ON MANUFACTURERS RECOMMENDATION AND COVERAGE PATTERN.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROPER TIME DELAY AND SENSITIVITY ADJUSTMENTS WHEN APPLICABLE.
- ASHRAE 90.1 2013, 9.4.3 FUNCTIONAL TESTING: LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE INDIVIDUAL(S) RESPONSIBLE FOR THE FUNCTIONAL TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.
- THE ELECTRICAL CONTRACTOR TO INCLUDE TIME FOR SITE VISIT FOR FINAL CALIBRATION OF ALL OCCUPANCY SENSORS AND START UP.

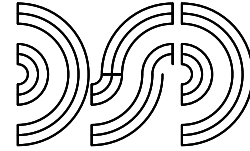
LIGHTING CONTROL SEQUENCE OF OPERATION

- LIGHTING CONTROL SEQUENCE OF OPERATION SHALL BE AS FOLLOWS:
 - ELECTRICAL ROOM SHALL BE MANUAL ON AND OFF CONTROL.
 - JANITORS CLOSET SHALL BE A WALL MOUNTED LIGHTING CONTROL STATION WITH ON/OFF CONTROL AND VACANCY OFF.
 - FAMILY RESTROOMS SHALL HAVE A KEYED SWITCH, OCCUPANCY SENSOR AND OPERATE AS FOLLOWS:
 - KEY SWITCH SHALL BE MASTER CONTROL, ON/OFF. WHEN ON LIGHTING TO GO TO 100% AND MIRRORS SHALL TURN ON. 20 MINUTES AFTER SENSING NO MOTION, GENERAL LIGHTING SHALL DIM DOWN TO 50% LUMEN OUTPUT AND MIRRORS SHALL TURN OFF. UPON MOTION LIGHTING AND ILLUMINATED MIRRORS SHALL RETURN TO 100%.
 - PASSAGEWAY SHALL BE ON TO 100%, AFTER NO MOTION FOR 20 MINUTES SHALL DIM TO 50% AND AFTER ANOTHER 20 MINUTES SHALL DIM TO 20%. ONCE MOTION IS DETECTED LIGHTING SHALL GO TO 100%.
- ALL LIGHTING LEVELS SHALL BE CONFIRMED WITH DGA BASED ON TARGET PHOTOMETRICS.

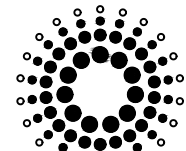
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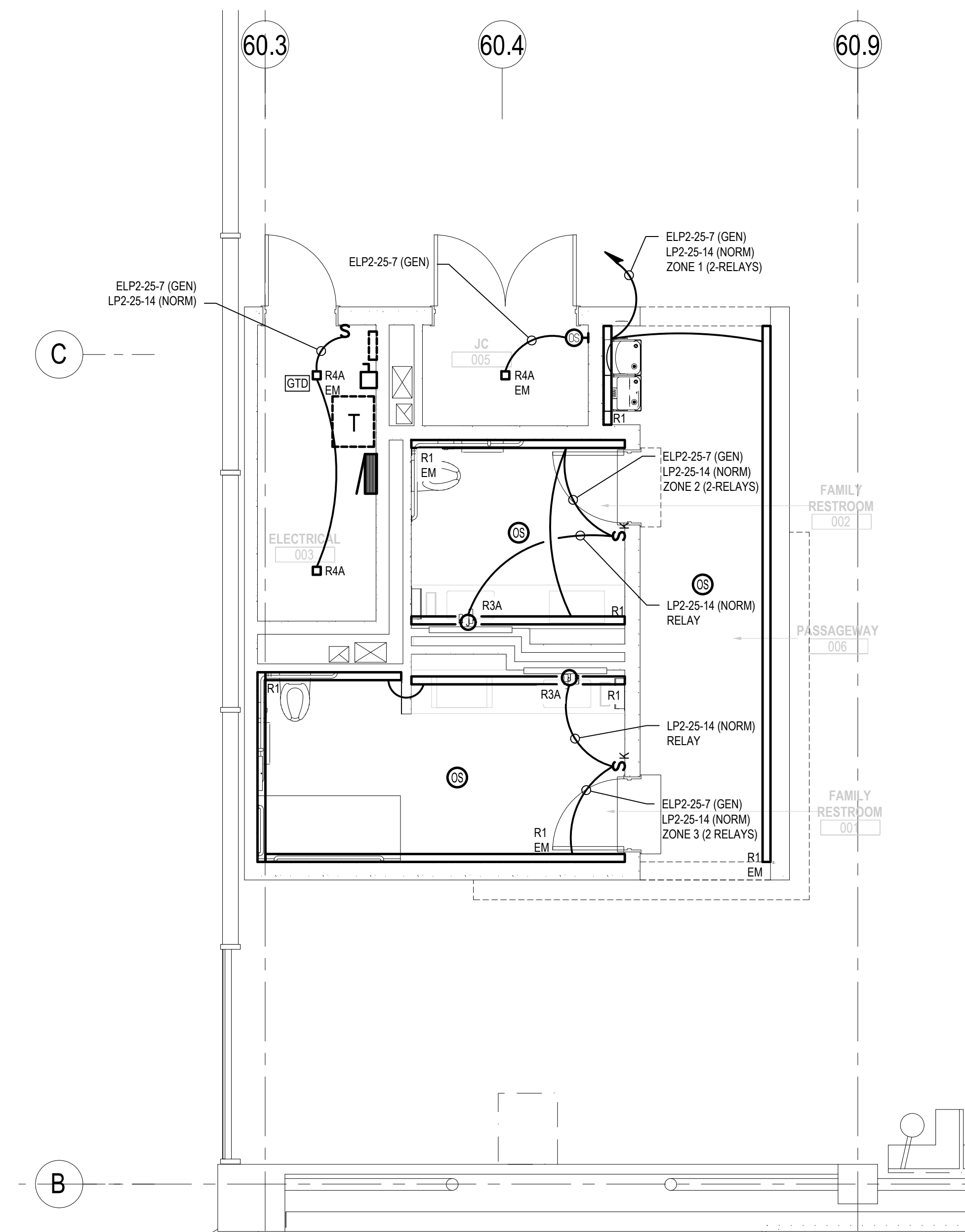
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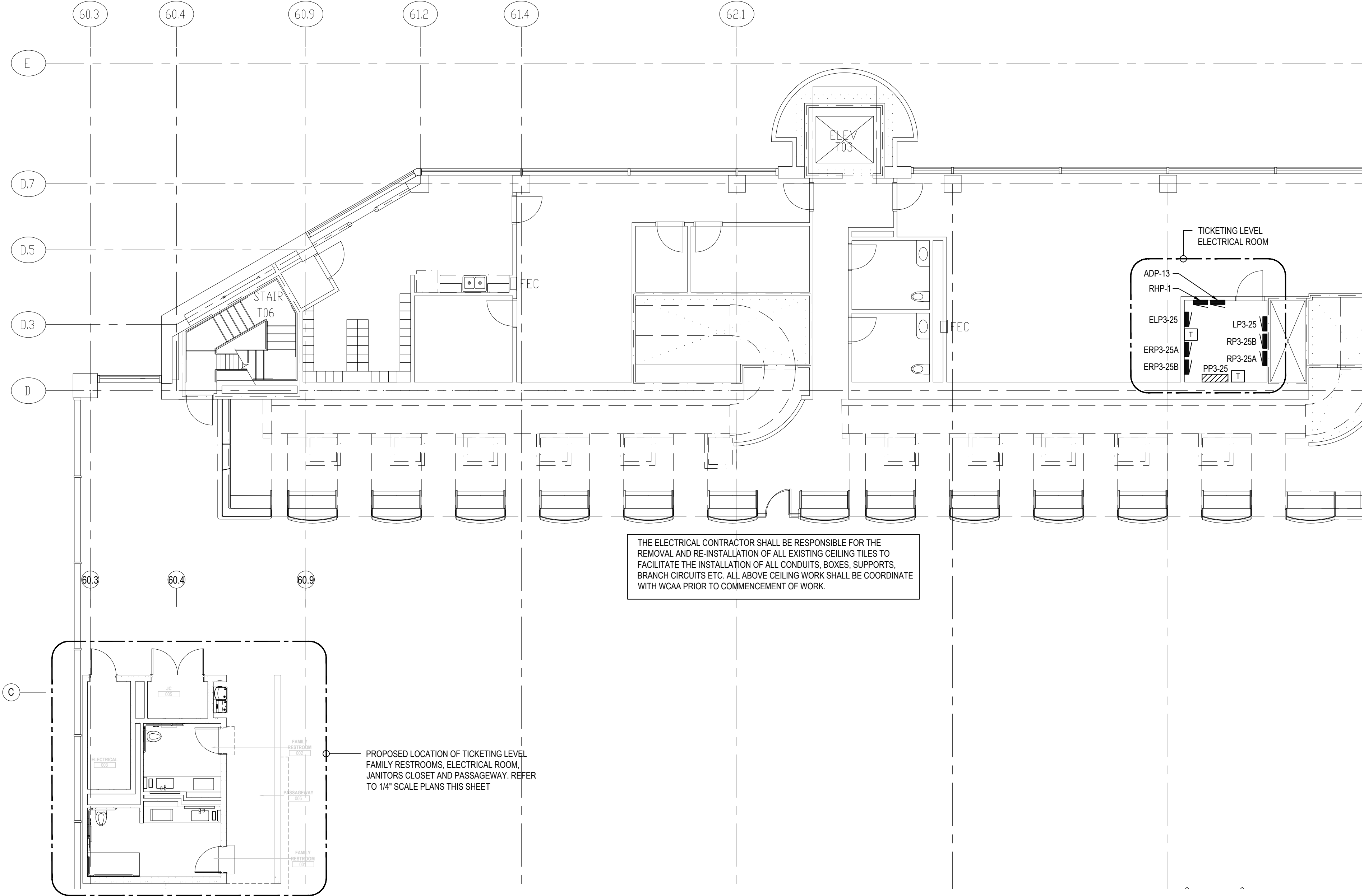
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TICKETING FAMILY
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10.6424.000
Description
ELECTRICAL GENERAL
INFORMATION

Scale
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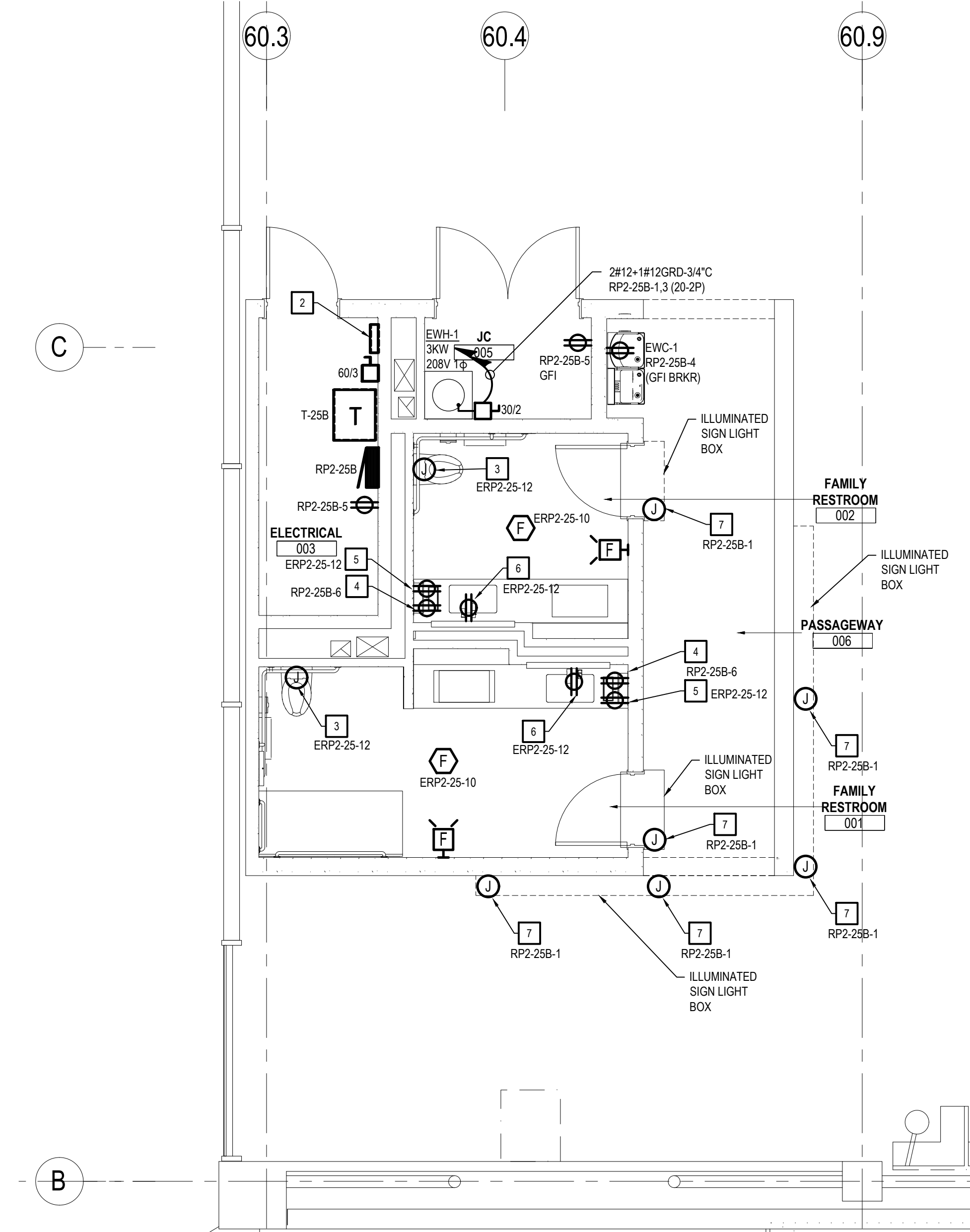
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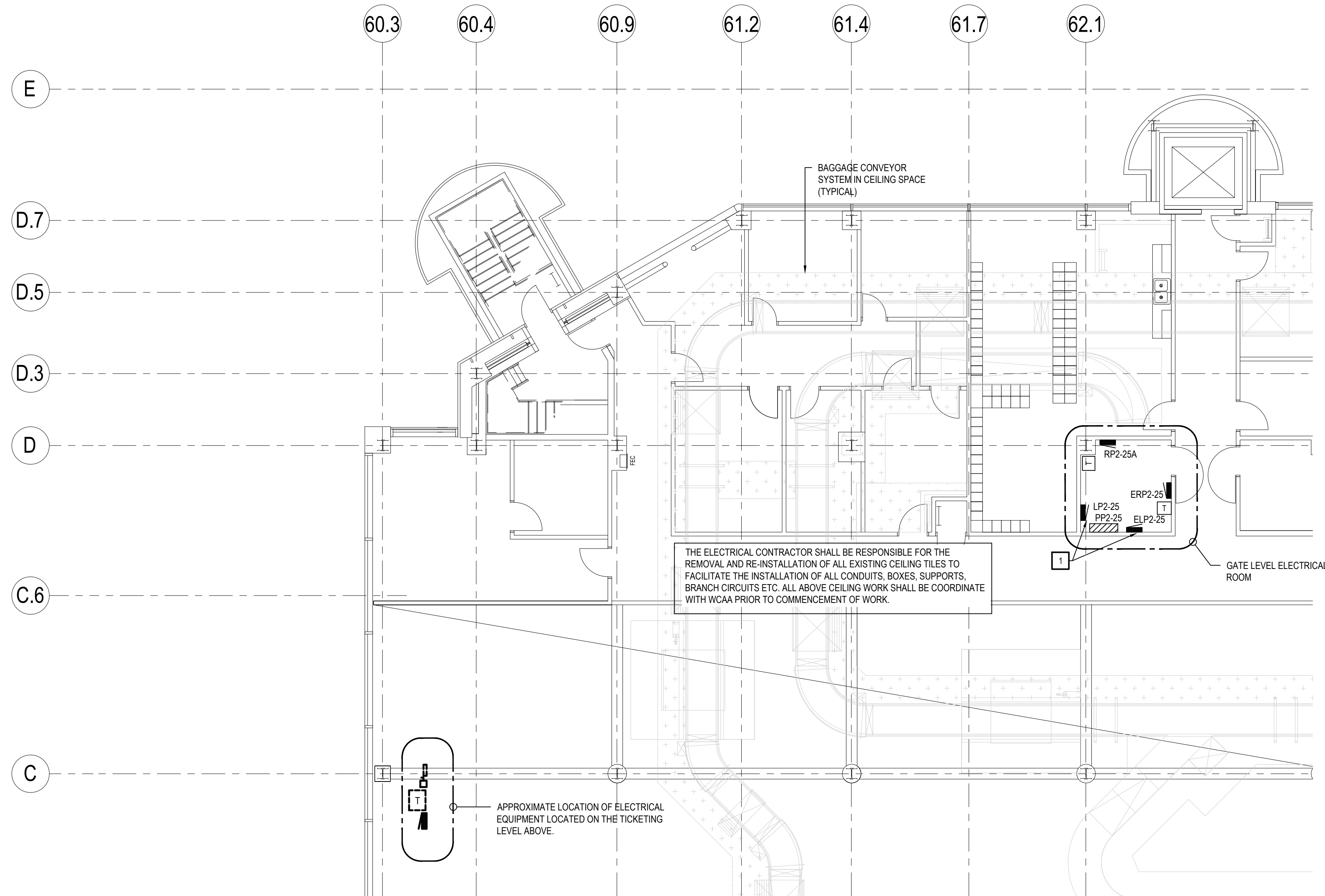
1 REFLECTED CEILING PLAN - LIGHTING LEVEL 03 (Ticketing)
SCALE: 1/4" = 1'-0"



3 CONSTRUCTION PLAN - TICKETING LEVEL
SCALE: 1/8" = 1'-0"



2 CONSTRUCTION PLAN - POWER TYPE (Ticketing)
SCALE: 1/4" = 1'-0"



4 CONSTRUCTION PLAN - GATE LEVEL
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- COORDINATE ALL ELECTRICAL WORK REQUIRED WITH ARCHITECTURAL, MECHANICAL, LIGHTING DRAWINGS, DETAILS AND DIAGRAMS.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE BEFORE SUBMITTING BIDS TO BECOME FAMILIARIZED WITH ACTUAL JOB CONDITIONS AND AREA OF WORK INCLUDING LOCATIONS OF PANELBOARDS SERVING THE PROPOSED AREA OF RENOVATIONS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND LIGHTING DESIGN DRAWINGS FOR EXACT LOCATION (TYPES) OF LIGHTING FIXTURES (NORMAL AND EMERGENCY EGRESS).
- ALL ELECTRICAL ITEMS SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND BEAR THE "UL" LABEL OR LISTING.
- CIRCUIT NUMBERS SHOWN (FROM EXISTING PANELS) ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL POSITION OF "SPARE" CIRCUIT BREAKERS IN EXISTING PANELS. "SPARE" CIRCUIT BREAKERS ARE THOSE THAT ARE BREAKERS NOT BEING USED OR BECOME AVAILABLE DO TO DEMOLITION IN THE AREA OF WORK.
- ALL ELECTRICAL ITEMS SHOWN SHALL BE PROVIDED, INSTALLED, RELOCATED ETC. (AS INDICATED) BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- BRANCH CIRCUIT WIRING SHALL BE "THINWIRE", UNLESS NOTED ON PLANS. ALL FEEDERS SHALL BE COPPER WITH 600V INSULATION.
- ALL BRANCH CIRCUITS SHALL BE COPPER, 20A-1P AND WIRED WITH 2012-1120RD IN A MINIMUM 7/8" UNLESS OTHERWISE NOTED. PROVIDE #12WIRE FOR ALL CIRCUITS OVER 100' FROM THE RESPECTIVE PANEL.
- INSTALL ALL CONDUITS WITHIN FINISHED AREAS OF THE BUILDING "CONCEALED", UNLESS SPECIFIC APPROVAL IS RECEIVED FROM THE OWNER OR ARCHITECT TO INSTALL CONDUITS EXPOSED. ALL CUTTING, CORING, PAINTING AND PATCHING OF BUILDING CONSTRUCTION (TO ACCOMMODATE INSTALLATION OF NEW ELECTRICAL ITEMS) SHALL BE DONE BY THE CONTRACTOR. PATCHING SHALL MATCH BUILDING CONSTRUCTION.
- COORDINATE ALL OUTLET LOCATIONS WITH ARCHITECTURAL MILLWORK ELEVATIONS AND INTERIOR SECTIONS.
- MOUNTING HEIGHTS FOR OUTLETS SHOWN ARE FROM ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET.
- SEAL ALL CEILING, WALL, AND FLOOR PENETRATIONS WITH APPROVED MATERIAL TO MAINTAIN ALL REQUIRED RATINGS.
- ALL LIGHTING CONTROLS SHALL COMPLY WITH THE 2015 MICHIGAN ENERGY CODE (ASHRAE 90.1, 2013).
- UPDATE ALL PANEL DIRECTORIES UPON COMPLETION OF WORK.
- THE USE OF MC CABLE SHALL BE LIMITED TO LIGHTING FIXTURE CONNECTIONS. HOME RUNS SHALL BE IN CONDUIT.

SHEET NOTES

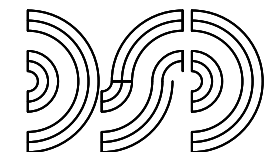
- PROVIDE NEW 20A-1P HD RATED BRANCH BREAKERS IN EXISTING SPACE IN PANELS LP2-25 AND LP2-25 FOR NORMAL AND GENERATOR LIGHTING BRANCH CIRCUITS. LIGHTING CIRCUITS SHOWN ARE FROM PANELS LOCATED ON THE GATE LEVEL. THE ELECTRICAL CONTRACTOR HAS THE OPTION TO USE THE EXISTING NORMAL AND GENERATOR FED LIGHTING PANELS LOCATED ON THE TICKETING LEVEL. IN LIEU OF THE PANELS LOCATED ON THE GATE LEVEL, PROVIDE ALL NECESSARY FLOOR AND/OR WALL CORES AS REQUIRED. SEAL ALL WALL, CEILING AND FLOOR CORES WITH APPROVED MATERIAL TO MAINTAIN ALL RATINGS.
- WALL MOUNTED 8 RELAY LIGHTING CONTROL PANEL WITH DIVIDER FOR NORMAL AND GENERATOR FED LIGHTING. BASIS OF DESIGN IS LITHONIA LIGHT MODEL NUMBER ARP INTENCON.118 FOR MVOLT 118 H.L.K. 5M.
- CONNECT TO HANDS FREE FLUSH TRANSFORMERS. COORDINATE LOCATION OF TRANSFORMERS WITH MECHANICAL TRADES.
- GENERAL PURPOSE GROUND FAULT DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- DUPLEX RECEPTACLE FOR AUTOMATIC ROLL DISPENSER (120V, 6VDC 2A OUTPUT). COORDINATE LOCATION OF OUTLET WITH ARCHITECTURAL ELEVATION AND MANUFACTURERS OUT SHEET.
- DUPLEX GROUND FAULT RECEPTACLE MOUNTED BELOW COUNTER FOR HANDS FREE FAUCET AND SOAP DISPENSER. COORDINATE LOCATION OF OUTLET WITH SINK MANUFACTURERS DRAWINGS AND DETAILS.
- COORDINATE ALL ELECTRICAL CONNECTIONS AND REQUIREMENTS WITH ILLUMINATED SIGN BOX MANUFACTURER PRIOR TO ROUGH IN LOCATIONS OF POWER CONNECTIONS SHOWN IS BASED ON LITERATURE AT TIME OF CONSTRUCTION DOCUMENTS.

Wayne County Airport Authority

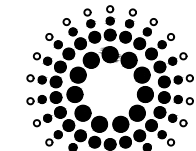
Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242

Gensler

150 West Jefferson
Suite 1700
Detroit, MI 48226
United States



D'Clements Siegel Design Inc.
Engineering Consultant
28105 Greenfield Road
Southfield, Michigan
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Tel 248.569.1430



Domingo Gonzalez Associates
Architectural Lighting Design
29 Broadway, 3rd Floor
New York, NY 10005
Tel 212.608.4800

Date	Description
1 07.16.26	ISSUE FOR BID

Seal / Signature

Project Name
TICKETING FAMILY
RESTROOMS
Project Number
10.6424.000
Description
PARTIAL ELECTRICAL
FLOOR PLANS

Scale
NOT TO SCALE

E0.02

Detroit Metropolitan Airport
McNamara Terminal
Romulus MI 48242



120/208VOLT-3PHASE-4WIRE+GRND PANELBOARD SCHEDULE																																																													
PANELBOARD RESERVATION		PPS/250	LOCATION	ELECTRICAL WORK (FOOTING) LEVELS																																																									
100 AMP BUS	150A/250	M.C.B.	W.L.O.	MOUNTING FLUSH	SURFACE	X																																																							
SPECIAL REQUIREMENTS		NEW/EXIST		SOURCE																																																									
16	VA	LOAD TYPE		LOAD TYPE		VA																																																							
3	1500	EW-1		ILLUMINATED SIGN LIGHT BOXES		300																																																							
3	1500			EW-1		150																																																							
5	360	GENERAL OUTLETS (FAMILY)		FAMILY RESTROOM GENERAL OUTLETS		360																																																							
7		SPARE		SPARE		300																																																							
9		SPARE		SPARE		300																																																							
11		SPARE		SPARE		120																																																							
13		SPARE		SPARE		120																																																							
15		SPARE		SPARE		160																																																							
17		SPARE		SPARE		160																																																							
<table> <tr> <td>LIGHTING</td> <td>300</td> <td>VA</td> <td>AT</td> <td>125</td> <td>%</td> <td>=</td> <td>450</td> <td>VA</td> </tr> <tr> <td>RECEP/AGE</td> <td>720</td> <td>VA</td> <td>AT</td> <td>50</td> <td>%</td> <td>=</td> <td>720</td> <td>VA</td> </tr> <tr> <td>RECEP/AGE</td> <td>720</td> <td>VA</td> <td>AT</td> <td>50</td> <td>%</td> <td>=</td> <td>720</td> <td>VA</td> </tr> <tr> <td>WMC</td> <td>1770</td> <td>VA</td> <td>AT</td> <td>100</td> <td>%</td> <td>=</td> <td>1770</td> <td>VA</td> </tr> <tr> <td>TOTAL</td> <td>4350</td> <td>VA</td> <td>TOTAL DEMAND</td> <td>=</td> <td>4350</td> <td>VA</td> <td>I</td> <td>300</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>A</td> <td>= 14 A</td> </tr> </table>								LIGHTING	300	VA	AT	125	%	=	450	VA	RECEP/AGE	720	VA	AT	50	%	=	720	VA	RECEP/AGE	720	VA	AT	50	%	=	720	VA	WMC	1770	VA	AT	100	%	=	1770	VA	TOTAL	4350	VA	TOTAL DEMAND	=	4350	VA	I	300								A	= 14 A
LIGHTING	300	VA	AT	125	%	=	450	VA																																																					
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TOTAL	4350	VA	TOTAL DEMAND	=	4350	VA	I	300																																																					
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480/277VOLT-3PHASE-4 WIRE-GRND PANELBOARD SCHEDULE

PANELBOARD IDENTIFICATION			LFD-25		LOCATION		DATE: ELECTRIC ROOM 15/01/16			
NO.		AMP BUS	MCB		W.L.O.		MOUNTING RUSH		SURFACE	
SPECIAL REQUIREMENTS			CIRCUITING				SOURCE		PA-25	
1	2	3	LOAD TYPE			4	5	6	7	
1	VA	W	50	A	B	C	LOAD TYPE			2
2	VA	EWH	1	2	3	4	LIGHTING			1
3	VA	TOILET ROOMS EWH-P-12	1	2	3	4	LIGHTING HIGH HATS			4
4	VA	EWH-P-60	1	2	3	4	CORRIDOR LIGHTS T3030			6
7	VA	SPARE	1	2	3	4	LIGHTING T3030			8
8	VA	SPARE	1	2	3	4	LIGHTING T3031			10
9	VA	1 T/C-KI STE 15-032E STOR	1	2	3	4	CATWALK LIGHTING			10
10	VA	DNES 15-031P-13-01010	1	2	3	4	THICKENING LEVEL RESTROOM LIGHTING			24
11	VA	CSJ-LPA	1	2	3	4	SPACE			18
12	VA	SPARE	1	2	3	4	SPACE			18

LIGHTING	_____ VA	AT	100	%	+ _____ VA	
MISC	_____ VA	AT	_____ %	+	_____ VA	
TOTAL	_____ VA	TOTAL DEMAND	_____ VA		_____ V	_____ A

[illegible]

* = NEW 20A-1P BRANCH BREAKER IN EXISTING SPACE TO SERVE NEW LOAD
L = LOCKED ON BREAKER

[ELECTRICAL CONTRACTOR SHALL PROVIDE METER READINGS ON PANEL PRIOR TO COMMENCEMENT OF WORK AND PROVIDE INFORMATION TO THE ENGINEER OF RECORD. ELECTRICAL CONTRACTOR HAS THE OPTION TO FEED THE TWO REQUIRED BRANCH CIRCUITS FOR THE TICKETING LEVEL FAMILY RESTROOMS FROM ERPP-288, (LOCATED ON THE TICKETING LEVEL IN LEU OF PANEL NOTED.)

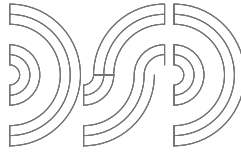
△	Date	Description
1	07.16.26	ISSUE FOR BID

Project Name	TICKETING FAMILY RESTROOMS
Project Number	10.6424.000
Description	

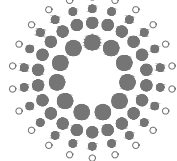
Scale

NOT TO SCALE

E0.03



D'Clemente Siegel Design Inc.
Engineering Consultant
28105 Greenfield Road
Southfield, Michigan
48075-3046
Tel: 248.569.1430



Dominguez Gonzalez Associates
Architectural Lighting Design
29 Broadway, 3rd Floor
New York, NY 10005
Tel: 212.608.4800

SHEET NOTES

SYSTEM

NS: NETWORK SYSTEM
S: STANDALONE

METHOD OF CONTROL

M: MOTION SENSOR
V: VACANCY SENSOR
O: OCCUPANCY SENSOR
TC: TIMECLOCK
PC: PHOTOCELL
JS: DOOR JAMB SWITCH
LS: LOCAL SWITCH
PS: PRESET/LOCAL SWITCH
(LOCATIONS BY E.E.)

CONTROL PROTOCOL

D0: DIMMING (0-10V)
DA: DIMMING (DALI)
ND: NON-DIM
DX: DMX DIMMING

CONTROL CHANNEL

#: GROUP/ZONE
(CIRCUIT # BY EE)

GENERAL NOTES

LEGEND

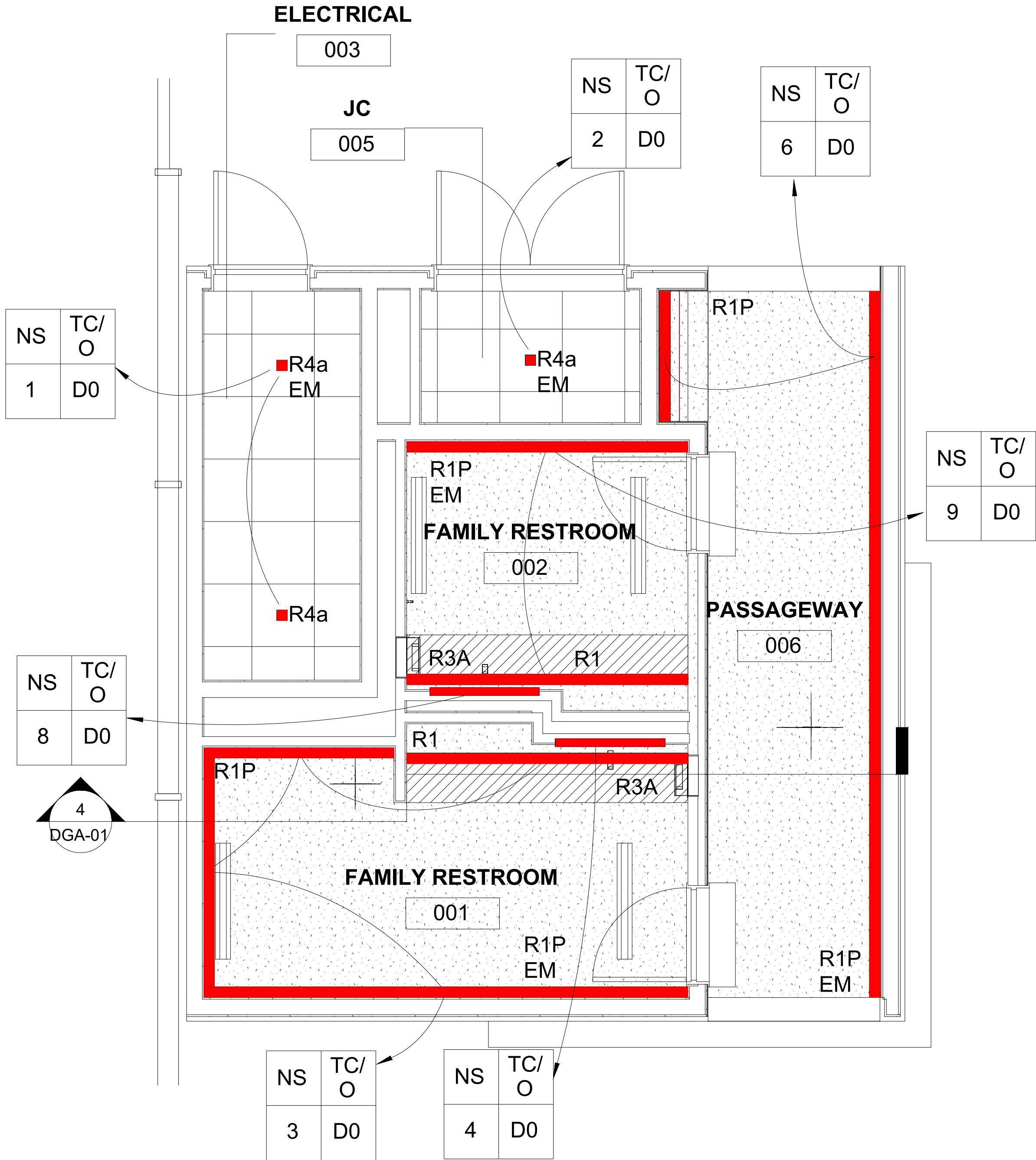
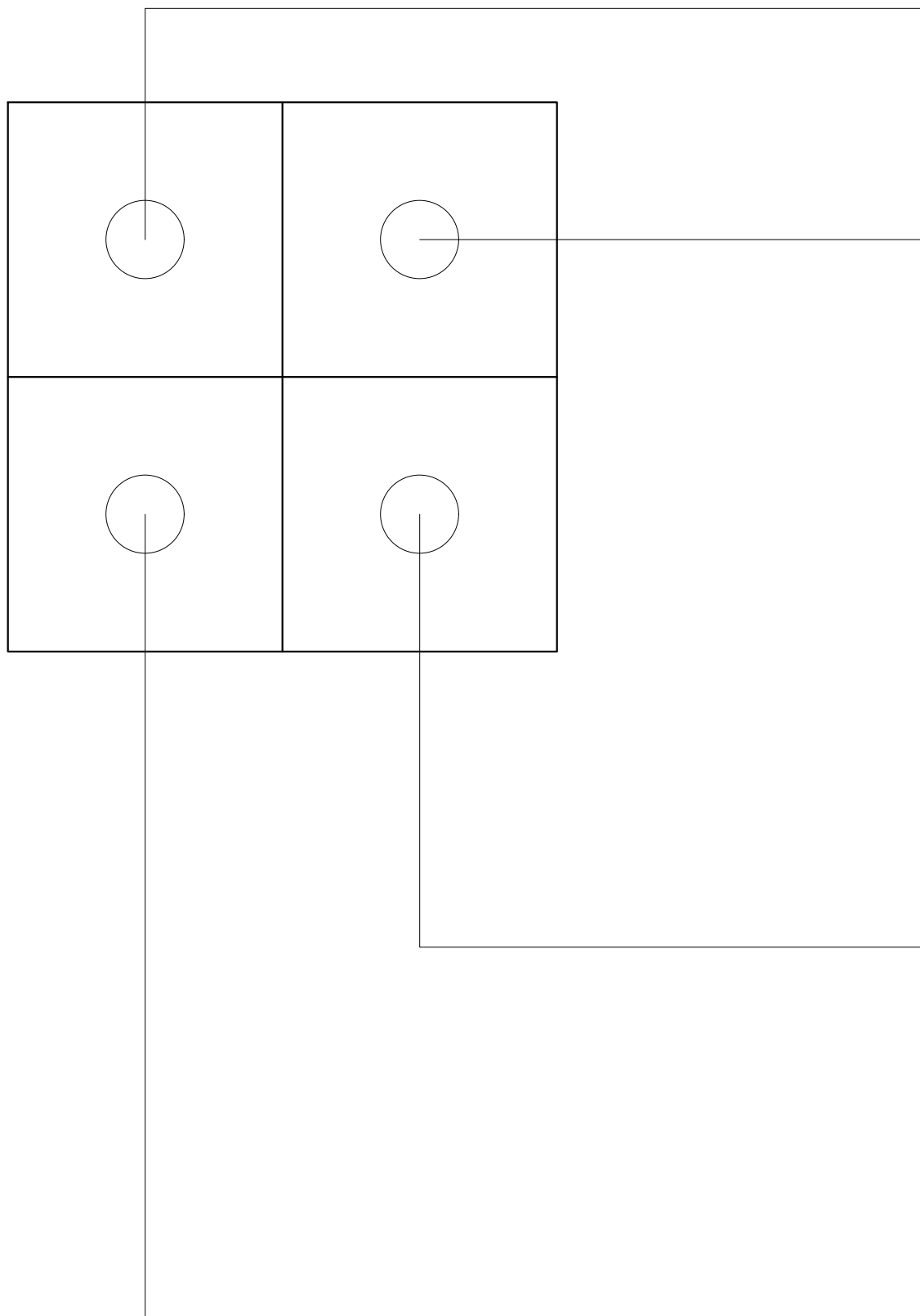
△ Date	Description
07.16.26	ISSUED FOR BID

Seal / Signature

Project Name
Public Facing Restroom
Renovation
Project Number
10.6424.000
Description
ENLARGED LIGHTING PLAN -
TYPICAL LIGHTING CONTROL INTENT

Scale
AS NOTED

EL5.001



01 LIGHTING RCP - TYPICAL RESTROOM CONTROL INTENT

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

SHEET NOTES

Wayne County
Airport Authority
Detroit Metropolitan Airport
McNamara Terminal
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Gensler
150 West Jefferson
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Fax: 313.965.8000

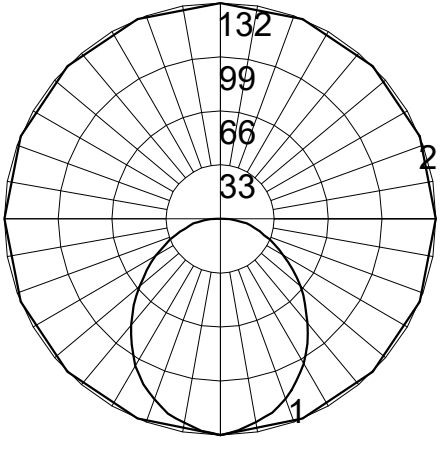
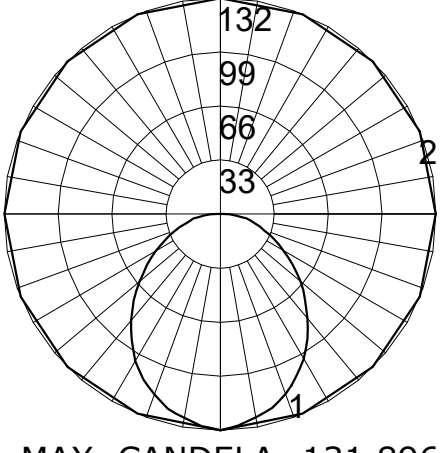
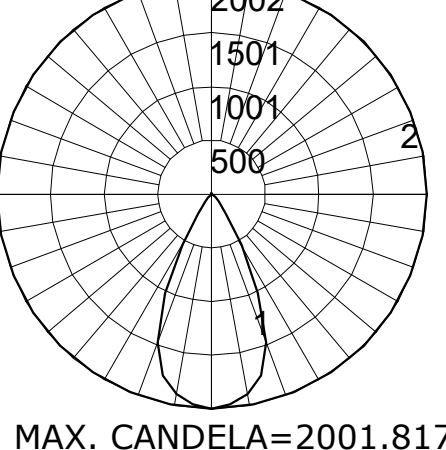
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Architectural Lighting Design
29 Broadway, 3rd Floor
New York, NY 10005
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GENERAL NOTES

LEGEND

RESTROOM LIGHTING SCHEDULE

TYPE	DESCRIPTION	LAMPING	LOCATION	VOLT	FIXTURE WATTAGE	PHOTOMETRY	MANUFACTURER & CATALOG NO.	CONTROL INTENT
R- SERIES (RESTROOMS)								
R1	DESCRIPTION: CONTINUOUS 2.9 W/LF MIN. 350 LUMENS/LF 3500K WHITE LINEAR LED PERIMETER WALL WASHER SURFACE MOUNTED IN PERIMETER POCKET OPTICS: PROVIDE WITH 3.25" DEEP REGRESSED 0.075" EXTRUDED ALUMINUM REFLECTOR PAINTED HIGH REFLECTANCE WHITE (MIN. 95%) & DIFFUSE SNAP-IN LENS. PROVIDE WITH FLAT ROLLED ALUMINUM INSIDE REFLECTOR PAINTED 95% REFLECTIVE MATTE WHITE. REMARKS: FIXTURE DIMENSIONS SHALL BE NOMINAL 3" W X SEE LAYOUTS FOR RUN LENGTHS (MAXIMUM 5" DEEP). HOUSING SHALL BE EXTRUDED ALUMINUM AND RECEIVE POLYESTER POWDER COAT PAINT BLACK (ARCHITECT TO CONFIRM). FIXTURE RUNS TO BE CONTINUOUSLY ILLUMINATED WITH NO GAPS IN ILLUMINATION. JOINING BRACKETS TO BE DIE FORMED COLD ROLLED STEEL TO PROVIDE TIGHT ALIGNMENT WITHOUT LIGHT LEAKS. PROVIDE WITH ON-SITE ADJUSTABLE LIT SLEEVE ALLOWING MIN 2.5"-4.5" ADJUSTABILITY. CONTRACTOR TO PROVIDE FIELD VERIFIED DIMENSIONS FOR ALL RUNS. WALL-TO-WALL SHOP DRAWING REQUIRED FOR EACH RUN BASED ON FIELD DIMENSIONS. CONTRACTOR TO PROVIDE ALL REQUISITE SUPPORT AND HARDWARE FOR SAFE AND PROPER INSTALLATION AND OPERATION. ALL HARDWARE/FASTENERS TO BE S.S. LUMINAIRE SHALL BE DAMP LOCATION RATED AND BE UL LISTED FOR THROUGH WIRING. PROVIDE (8FT) R1 FIXTURES FOR MOCK-UP. DRIVER: PROVIDE WITH INTEGRAL SOLID STATE HIGH POWER FACTOR (>0.9), 50-60HZ, CLASS A SOUND RATING, 120-277V, 0-10v DIMMING ELECTRONIC DRIVER. THE POWER SUPPLY SHALL BE OVERLOAD AND SHORT CIRCUIT PROTECTED AS WELL AS THERMALLY REGULATED TO PREVENT OVERHEATING. DRIVER SHALL BE ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.	350 LUMENS/LF DELIVERED 3500K 80+ CRI WHITE LED LIGHT ENGINES (MIN. 122 LM/WATT DELIVERED) MIN. 60,000 HRS RATED LIFE	RESTROOM FAMILY RESTROOM	277V	2.9 W/LF	 MAX. CANDELA=131.896 H=270 V=2.5	LUMENWERX #VIA35-D-HLO-FH-SW-80-350- 35-SEE LAYOUTS FOR RUN LENGTH-UNV-D1-1C-DRC-W OR APPROVED EQUAL BY: XAL. APPROVED EQUAL SHALL MEET PRIME SPEC PERFORMANCE, VISUAL QUALITY, LISTINGS/RATINGS, AND BUY AMERICAN CERTIFICATION	TIMECLOCK ON/ OFF OCC.SENSOR OVERRRIDE 0-10V DIMMING CONTROLS OCC.SENSOR PROGRAMING: ACTIVE HRS.: AUTOMATICALLY DE-ACTIVATED VIA TC FOR CONT. ENERGIZATION. (AIRPORT TO ADVISE TIMES) AFTER HOURS: ACTIVATED VIA TC FOR OCC. SENSOR TO DIM LIGHTS TO 50% AFTER 30 MIN OF UNOCCUPIED SPACE (AIRPORT TO ADVISE TIMES)
R1P	DESCRIPTION: CONTINUOUS FACTORY SET TO 2.9 W/LF MIN. 350 LUMENS/LF 3500K WHITE LINEAR LED PERIMETER WALL WASHER FLANG-LESS RECESSED MOUNTED IN GYP CEILING OPTICS: PROVIDE WITH 3.25" DEEP REGRESSED 0.075" EXTRUDED ALUMINUM REFLECTOR PAINTED HIGH REFLECTANCE WHITE (MIN. 95%) & DIFFUSE SNAP-IN LENS. PROVIDE WITH FLAT ROLLED ALUMINUM INSIDE REFLECTOR PAINTED 95% REFLECTIVE MATTE WHITE. REMARKS: FIXTURE DIMENSIONS SHALL BE NOMINAL 4" W X SEE LAYOUTS FOR RUN LENGTHS (MAXIMUM 7" DEEP). HOUSING SHALL BE EXTRUDED ALUMINUM AND RECEIVE POLYESTER POWDER COAT PAINT BLACK (ARCHITECT TO CONFIRM). FIXTURE RUNS TO BE CONTINUOUSLY ILLUMINATED WITH NO GAPS IN ILLUMINATION. JOINING BRACKETS TO BE DIE FORMED COLD ROLLED STEEL TO PROVIDE TIGHT ALIGNMENT WITHOUT LIGHT LEAKS. PROVIDE WITH ON-SITE ADJUSTABLE LIT SLEEVE ALLOWING MIN 2.5"-4.5" ADJUSTABILITY. PROVIDE WITH FACTORY INSTALLED CORNER/ ANGLE LIT SEGMENTS. SEE LAYOUTS FOR ANGLES. CONTRACTOR TO PROVIDE FIELD VERIFIED DIMENSIONS FOR ALL RUNS. WALL-TO-WALL SHOP DRAWING REQUIRED FOR EACH RUN BASED ON FIELD DIMENSIONS. CONTRACTOR TO PROVIDE ALL REQUISITE SUPPORT AND HARDWARE FOR SAFE AND PROPER INSTALLATION AND OPERATION. ALL HARDWARE/FASTENERS TO BE S.S. LUMINAIRE SHALL BE DAMP LOCATION RATED AND BE UL LISTED FOR THROUGH WIRING. DRIVER: PROVIDE WITH INTEGRAL SOLID STATE HIGH POWER FACTOR (>0.9), 50-60HZ, CLASS A SOUND RATING, 120-277V, 0-10v DIMMING ELECTRONIC DRIVER. THE POWER SUPPLY SHALL BE OVERLOAD AND SHORT CIRCUIT PROTECTED AS WELL AS THERMALLY REGULATED TO PREVENT OVERHEATING. DRIVER SHALL BE ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.	FACTORY SET TO 350 LUMENS/LF DELIVERED 3500K 80+ CRI WHITE LED LIGHT ENGINES (MIN. 100 LM/WATT DELIVERED) MIN. 60,000 HRS RATED LIFE	RESTROOM MOTHER'S ROOM FAMILY RESTROOM	277V	2.9 W/LF	 MAX. CANDELA=131.896 H=270 V=2.5	LUMENWERX #V3PERD-HLO-LED-80-350-35- SEE LAYOUTS FOR RUN LENGTH-UNV-D1-1-DMF-W- FWC-TES OR APPROVED EQUAL BY: XAL. APPROVED EQUAL SHALL MEET PRIME SPEC PERFORMANCE, VISUAL QUALITY, LISTINGS/RATINGS, AND BUY AMERICAN CERTIFICATION	TIMECLOCK ON/ OFF OCC.SENSOR OVERRRIDE 0-10V DIMMING CONTROLS OCC.SENSOR PROGRAMING: ACTIVE HRS.: AUTOMATICALLY DE-ACTIVATED VIA TC FOR CONT. ENERGIZATION. (AIRPORT TO ADVISE TIMES) AFTER HOURS: ACTIVATED VIA TC FOR OCC. SENSOR TO DIM LIGHTS TO 50% AFTER 30 MIN OF UNOCCUPIED SPACE (AIRPORT TO ADVISE TIMES)
R3a	DESCRIPTION: SEE ARCHITECTURAL DRAWINGS FOR MIRROR SPECIFICATIONS (I.E. SIZE, LOCATION, ETC.) LIT MIRROR WITH 6.7 W/LF 604 LM/LF 3000K LED LIGHTING INTEGRATED BEHIND MIRROR WET LOCATION RATED. PROVIDE (1) FOR MOCK-UP. OPTICS: PROVIDE WITH EVENLY ILLUMINATED DIFFUSE LENS WITH NO DIODE IMAGING REMARKS: MOCK-P/ SAMPLE EVALUATION NEEDED FOR FINAL SPEC VERIFICATION. LED FIXTURE TO BE 1.5" OFFSET FROM MIRROR EDGE AND 1.5" WIDE CONTINUOUSLY LIT FRAME (ALL FOUR SIDES AND CORNERS). MANUFACTURER TO COORDINATE THE APPROPRIATE MOUNTING OF FIXTURE AND DRIVERS FOR SAFE AND PROPER OPERATION AND MAINTENANCE. REMOTE DRIVER LOCATIONS TBD. FIXTURE SHALL BE PROVIDED WITH PROPER THERMAL MANAGEMENT/HEAT SINK TO MAINTAIN LIFE AND PERFORMANCE OF LED ARRAY. ALL HARDWARE AND FASTENERS TO BE S.S. CONTRACTOR TO PROVIDE ALL REQUISITE SUPPORT/ HARDWARE FOR SAFE/ PROPER INSTALLATION/ OPERATION. LUMINAIRE SHALL BE DAMP LOCATION RATED AND BE UL LISTED DRIVER: PROVIDE WITH REMOTE SOLID STATE HIGH POWER FACTOR (>0.9), 50-60HZ, CLASS A SOUND RATING, 120-277V, 0-10v DIMMING ELECTRONIC DRIVER. THE POWER SUPPLY SHALL BE OVERLOAD AND SHORT CIRCUIT PROTECTED AS WELL AS THERMALLY REGULATED TO PREVENT OVERHEATING.	604 LUMENS/LF DELIVERED 3000K 80+ CRI WHITE LED LIGHT ENGINES (MIN. 100 LM/WATT DELIVERED) MIN. 60,000 HRS RATED LIFE	RESTROOM FAMILY RESTROOM	277V	ALLOW FOR 200 W PER MIRROR	N/A	ELECTRIC MIRROR # REFER TO ARCHITECT'S DRAWINGS FOR MIRROR SPECIFICATION OR APPROVED EQUAL BY OTHERS. APPROVED EQUAL SHALL MEET PRIME SPEC PERFORMANCE, VISUAL QUALITY, LISTINGS/RATINGS, AND BUY AMERICAN CERTIFICATION LIT COMPONENT OF MIRROR MUST BE AS SPECIFIED IN DESCRPTION COLUMN MOCK-UP / SAMPLE NEEDED	TIMECLOCK ON/ OFF OCC.SENSOR OVERRRIDE 0-10V DIMMING CONTROLS
R4a	DESCRIPTION: RECESSED 4" SQUARE WITH 7/8" DEEP REGRESS BEVEL FLANGLESS 14 WATT 1356 LUMENS 3500K WHITE LED DOWNLIGHT IN TILE CEILING SYSTEM OPTICS: PROVIDE WITH DIFFUSE LENS AND FIELD INTERCHANGEABLE OPTICS REMARKS: FIXTURE DIMENSIONS SHALL BE NOMINAL 12 3/4" x 8 5/8" x MAX 6" HIGH. HOUSING SHALL BE CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL. FIXTURE SHALL BE PROVIDED WITH PROPER THERMAL MANAGEMENT/HEAT SINK TO MAINTAIN LIFE AND PERFORMANCE OF LED ARRAY. FIXTURE SHALL BE PROVIDED WITH MUD RING FOR FLUSH FLANGED APPLICATION AND ACCOMMODATE UP TO 1" CEILING THICKNESS. ALL HARDWARE AND FASTENERS TO BE STAINLESS STEEL. CONTRACTOR TO PROVIDE ALL REQUISITE SUPPORT AND HARDWARE FOR SAFE AND PROPER INSTALLATION AND OPERATION. ALL HARDWARE/FASTENERS TO BE S.S. LUMINAIRE SHALL BE DAMP LOCATION RATED AND BE UL LISTED FOR THROUGH WIRING. DRIVER: PROVIDE WITH INTEGRAL SOLID STATE HIGH POWER FACTOR (>0.9), 50-60HZ, CLASS A SOUND RATING, 120-277V, 0-10v DIMMING ELECTRONIC DRIVER. THE POWER SUPPLY SHALL BE OVERLOAD AND SHORT CIRCUIT PROTECTED AS WELL AS THERMALLY REGULATED TO PREVENT OVERHEATING. DRIVER SHALL BE ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.	1356 LUMENS DELIVERED 3500K 80+ CRI WHITE LED LIGHT ENGINES (MIN. 97 LM/WATT DELIVERED) MIN. 60,000 HRS RATED LIFE	RESTROOM FAMILY RESTROOM	277V	14W	 MAX. CANDELA=2001.817 H=0 V=0	LUMENWERX #AE4SR-TLMP-SW-OF-AHC- UNV-14W-D1 + AE4SRB-SW-14W-50-2-90-35- TLMP-SDL-FINISH BY ARCH OR APPROVED EQUAL BY: INDY, GOTHAM, LFI, REGGIANI	TIMECLOCK ON/ OFF OCC.SENSOR OVERRRIDE 0-10V DIMMING CONTROLS OCC.SENSOR PROGRAMING: ACTIVE HRS.: AUTOMATICALLY DE-ACTIVATED VIA TC FOR CONT. ENERGIZATION. (AIRPORT TO ADVISE TIMES) AFTER HOURS: ACTIVATED VIA TC FOR OCC. SENSOR TO DIM LIGHTS TO 50% AFTER 30 MIN OF UNOCCUPIED SPACE (AIRPORT TO ADVISE TIMES)

△	Date	Description
	07.16.26	ISSUE FOR BID

Seal / Signature

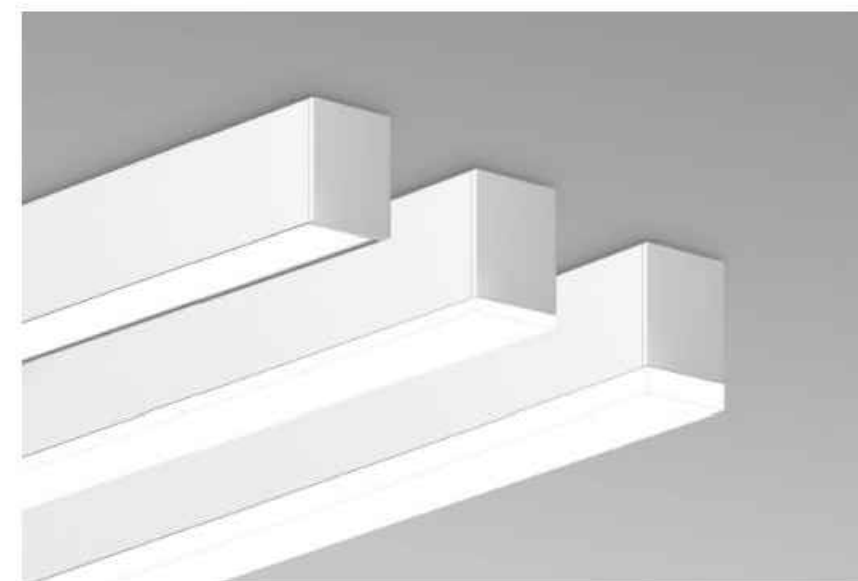
Project Name
Public Facing Restroom
Renovation
Project Number
10.6424.000
Description
LIGHTING FIXTURE SCHEDULE

Scale
1/8" = 1'-0"

EL5.002

VIA 3 SURFACE

DIRECT
STATIC WHITE, BIOS STD/V



Order Guide

LUMINAIRE ID	DESCRIPTION	OPTIC	LENS POSITION	LIGHT SOURCE	CR
VIA3S	D	Direct			
VIA3S-Via 3 Surface	D-Direct	LED-High Efficiency Luminaire Optic A3002 Asymmetric Reflector Optic W3002 Flat Wall Reflector Optic L3002 Unobstructed Direct Optic L3002 Unobstructed Direct Optic L3002 Unobstructed Direct Optic	R1-1 Right R2-2 Right R3-3 Right NA-1 Not applicable	SW-White R3002-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-222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