

NEW TERMINAL BUILDING
FOR THE
GULF SHORES INTERNATIONAL AIRPORT
GULF SHORES, ALABAMA

OWNER

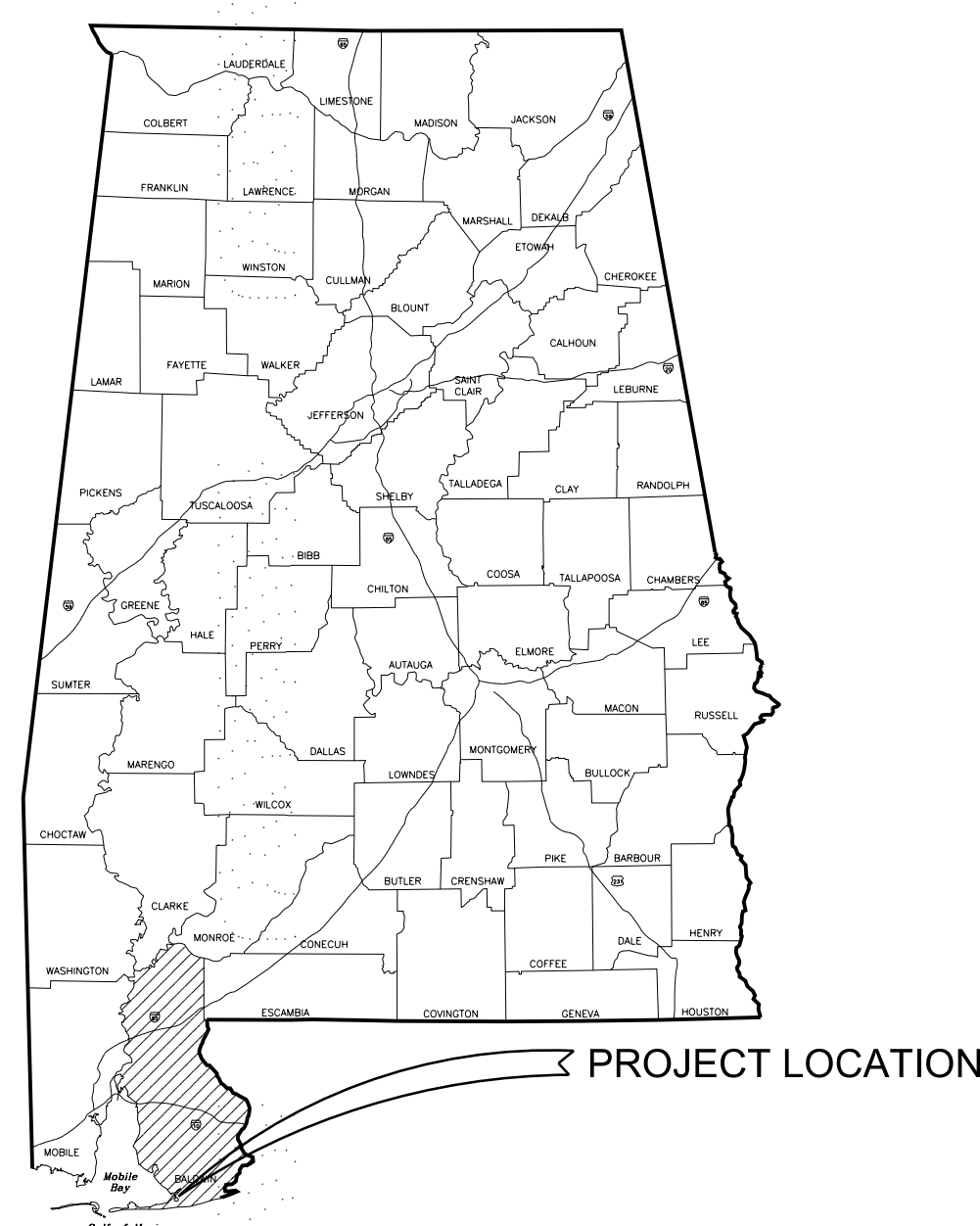
AIRPORT AUTHORITY OF THE
CITY OF GULF SHORES
3190 AIRPORT DRIVE
GULF SHORES, ALABAMA 36542
TELEPHONE (251) 967-3968

AIRPORT MANAGER

MR. JUSTIN FLETCHER
3190 AIRPORT DRIVE
GULF SHORES, AL 36542
OFFICE: (251) 967-3968

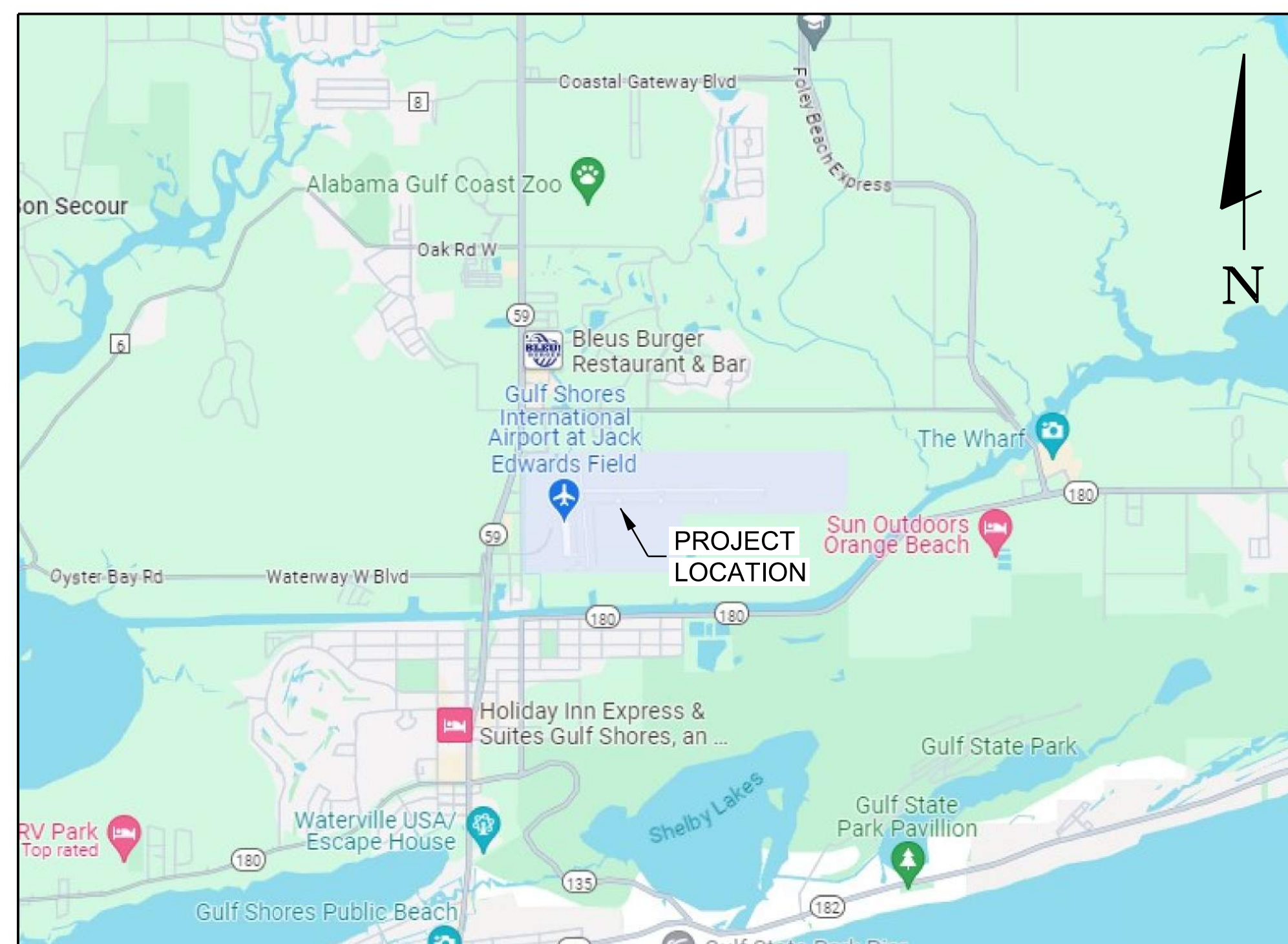
AIRPORT AUTHORITY

VIC ROBERTS - BOARD CHAIRMAN
CRAIG OLMSTEAD - VICE CHAIRMAN
BETH GENDLER - BOARD MEMBER
JASON DYKEN - BOARD MEMBER
EDGAR McKEE - BOARD MEMBER
JERRY JOHNSON - BOARD MEMBER
JOE GARRIS - BOARD MEMBER



LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

NEW TERMINAL BUILDING
FOR THE
GULF SHORES INTERNATIONAL AIRPORT
GULF SHORES, ALABAMA
ISSUED FOR BID



615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

SHEET INDEX

ID NO.	DRAWING TITLE	ID NO.	DRAWING TITLE
G001	COVER SHEET	FX111	FIRE PROTECTION SUPPRESSION FLOOR PLAN
G002	SHEET INDEX	MG001	MECHANICAL LEGEND
70465001	TOPOGRAPHICAL SURVEY	MH111	MECHANICAL HVAC OVERALL PLAN
CD101	SITE DEMOLITION PLAN	MH301	MECHANICAL HVAC SECTIONS
CS101	SITE LAYOUT PLAN	MH411	MECHANICAL HVAC FIRST FLOOR ENLARGED PLANS
CG101	SITE GRADING PLAN	MH501	MECHANICAL HVAC DETAILS
CE101	SITE EROSION AND SEDIMENT CONTROL PLAN - PHASE 1	MH601	MECHANICAL HVAC SCHEDULES
CE102	SITE EROSION AND SEDIMENT CONTROL PLAN - PHASE 2	PG001	PLUMBING LEGEND
CU101	SITE UTILITY PLAN	PP111	PLUMBING UNDERSLAB PLAN
CS501	SITE DETAILS	PP112	PLUMBING PLAN
CS502	SITE DETAILS	PP411	PLUMBING ENLARGED PLANS
CS503	SITE DETAILS	PP412	PLUMBING ENLARGED PLANS
CS504	SITE DETAILS	PP501	PLUMBING DETAILS
CS505	SITE DETAILS	PP601	PLUMBING SCHEDULES
GI103	ADA REFERENCE SHEET	PP801	PLUMBING ISOMETRICS
GI104	LIFE SAFETY PLAN	PP802	PLUMBING ISOMETRICS
A101	FIRST FLOOR PLAN	E001	ELECTRICAL LEGENDS & ABBREVIATIONS
A102	HVAC PLATFORM PLAN	E002	ELECTRICAL NOTES
A111	FIRST FLOOR REFLECTED CEILING PLAN	E501	ELECTRICAL ONE-LINE DIAGRAM
A121	ROOF PLAN	E502	ELECTRICAL DETAILS
A201	EXTERIOR ELEVATIONS	E503	ELECTRICAL DETAILS
A301	BUILDING SECTIONS	E504	ELECTRICAL DETAILS
A311	WALL SECTIONS	E505	ELECTRICAL DETAILS
A312	WALL SECTIONS	E506	ELECTRICAL DETAILS
A401	ENLARGED PLANS	E508	FIRE ALARM RISER DIAGRAM
A421	INTERIOR ELEVATIONS	E601	ELECTRICAL SCHEDULES
A601	DOOR & WINDOW SCHEDULE AND DETAILS	E602	ELECTRICAL SCHEDULES
A604	FINISH SCHEDULE	E603	ELECTRICAL SCHEDULES
A607	EXTERIOR PREMANUFACTURED CANOPIES	EG101	OVERALL ELECTRICAL PLAN
A608	EXTERIOR PREMANUFACTURES CANOPIES REFERENCE INFORMATION	EG102	OVERALL GROUNDING PLAN
AI801	FFE PLAN	EL401	ELECTRICAL LIGHTING PLAN
AI802	ACCESS CONTROL	EL402	ELECTRICAL LIGHTING PLAN
AI803	FUTURE CONSTRUCTION CONSIDERATION	EL403	ELECTRICAL ENLARGED LIGHTING PLAN
SB101	FOUNDATION PLAN	EP401	ELECTRICAL POWER PLAN
SB501	FOUNDATION SECTIONS AND DETAILS	EP402	ELECTRICAL POWER PLAN
SF111	ENLARGED FRAMING PLANS	ES101	ELECTRICAL SITE PLAN
SG001	STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS	ET101	ELECTRICAL SYSTEMS PLAN
FG001	FIRE PROTECTION LEGEND		

SHEET INDEX

NEW TERMINAL BUILDING
GULF SHORES INTERNATIONAL AIRPORT

GULF SHORES, ALABAMA

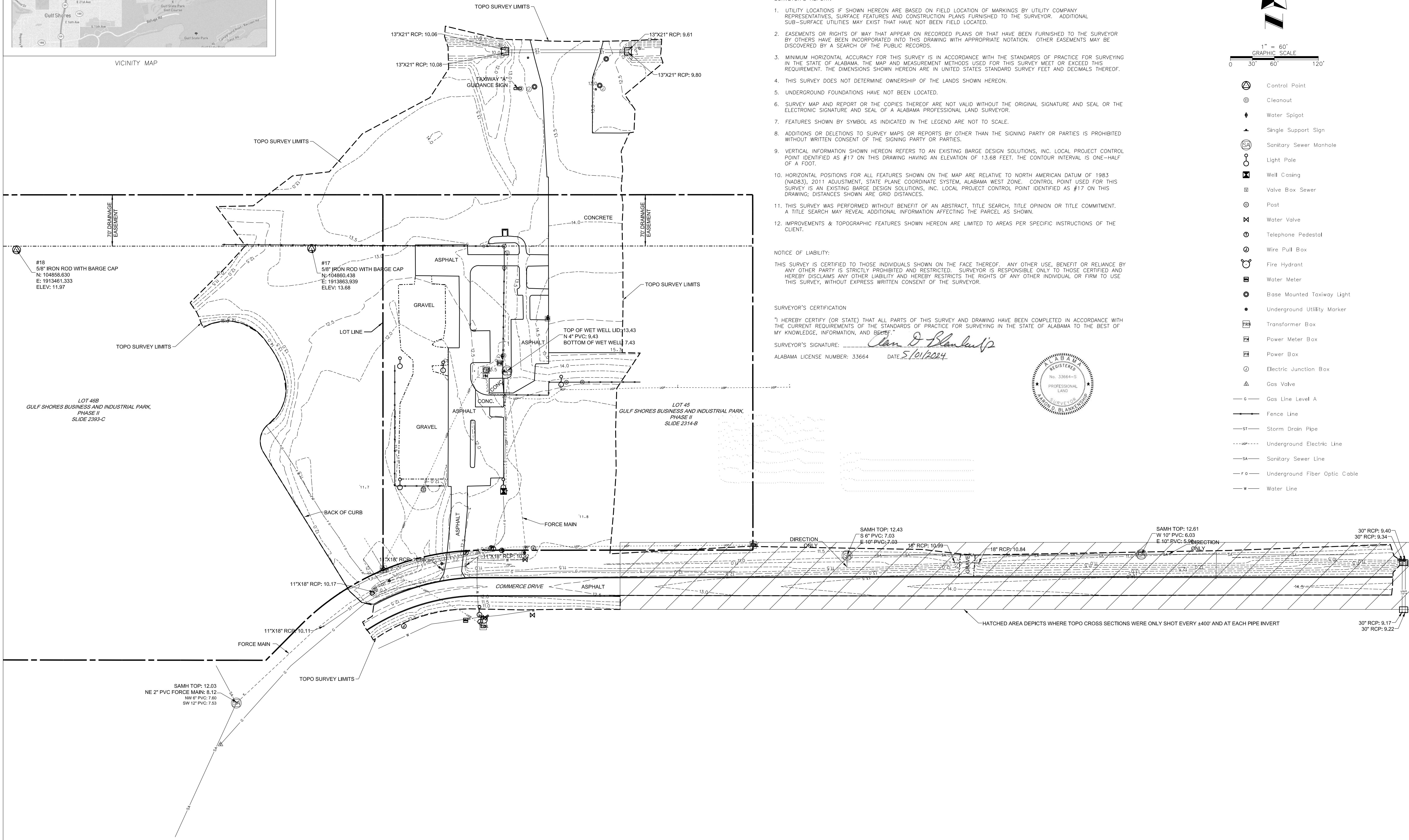
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G002

FILE NO. PROJ. NO.



VICINITY MAP



SURVEYOR'S REPORT:

- UTILITY LOCATIONS IF SHOWN HEREON ARE BASED ON FIELD LOCATION OF MARKINGS BY UTILITY COMPANY REPRESENTATIVES, SURFACE FEATURES AND CONSTRUCTION PLANS FURNISHED TO THE SURVEYOR. ADDITIONAL SUB-SURFACE UTILITIES MAY EXIST THAT HAVE NOT BEEN FIELD LOCATED.
- EASEMENTS OR RIGHTS OF WAY THAT APPEAR ON RECORDED PLANS OR THAT HAVE BEEN FURNISHED TO THE SURVEYOR BY OTHERS HAVE BEEN INCORPORATED INTO THIS DRAWING WITH APPROPRIATE NOTATION. OTHER EASEMENTS MAY BE DISCOVERED BY A SEARCH OF THE PUBLIC RECORDS.
- MINIMUM HORIZONTAL ACCURACY FOR THIS SURVEY IS IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA. THE MAP AND MEASUREMENT METHODS USED FOR THIS SURVEY MEET OR EXCEED THIS REQUIREMENT. THE DIMENSIONS SHOWN HEREON ARE IN UNITED STATES STANDARD SURVEY FEET AND DECIMALS THEREOF.
- THIS SURVEY DOES NOT DETERMINE OWNERSHIP OF THE LANDS SHOWN HEREON.
- UNDERGROUND FOUNDATIONS HAVE NOT BEEN LOCATED.
- SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OR THE ELECTRONIC SIGNATURE AND SEAL OF A ALABAMA PROFESSIONAL LAND SURVEYOR.
- FEATURES SHOWN BY SYMBOL AS INDICATED IN THE LEGEND ARE NOT TO SCALE.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- VERTICAL INFORMATION SHOWN HEREON REFERS TO AN EXISTING BARGE DESIGN SOLUTIONS, INC. LOCAL PROJECT CONTROL POINT IDENTIFIED AS #17 ON THIS DRAWING HAVING AN ELEVATION OF 13.68 FEET. THE CONTOUR INTERVAL IS ONE-HALF OF A FOOT.
- HORIZONTAL POSITIONS FOR ALL FEATURES SHOWN ON THE MAP ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, STATE PLANE COORDINATE SYSTEM, ALABAMA WEST ZONE. CONTROL POINT USED FOR THIS SURVEY IS AN EXISTING BARGE DESIGN SOLUTIONS, INC. LOCAL PROJECT CONTROL POINT IDENTIFIED AS #17 ON THIS DRAWING; DISTANCES SHOWN ARE GRID DISTANCES.
- THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF AN ABSTRACT, TITLE SEARCH, TITLE OPINION OR TITLE COMMITMENT. A TITLE SEARCH MAY REVEAL ADDITIONAL INFORMATION AFFECTING THE PARCEL AS SHOWN.
- IMPROVEMENTS & TOPOGRAPHIC FEATURES SHOWN HEREON ARE LIMITED TO AREAS PER SPECIFIC INSTRUCTIONS OF THE CLIENT.

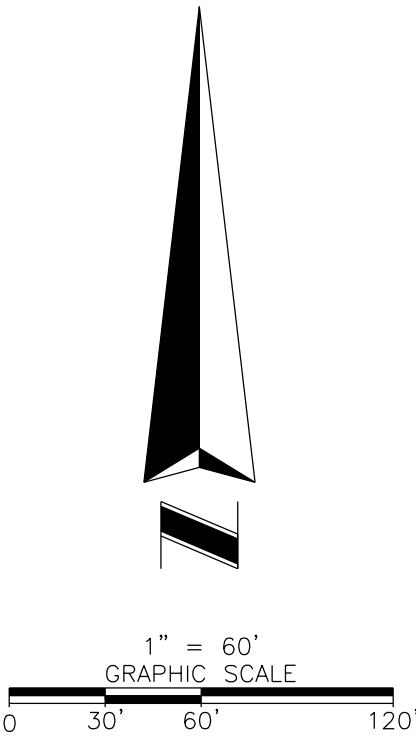
NOTICE OF LIABILITY:

THIS SURVEY IS CERTIFIED TO THOSE INDIVIDUALS SHOWN ON THE FACE THEREOF. ANY OTHER USE, BENEFIT OR RELIANCE BY ANY OTHER PARTY IS STRICTLY PROHIBITED AND RESTRICTED. SURVEYOR IS RESPONSIBLE ONLY TO THOSE CERTIFIED AND HEREBY DISCLAIMS ANY OTHER LIABILITY AND HEREBY RESTRICTS THE RIGHTS OF ANY OTHER INDIVIDUAL OR FIRM TO USE THIS SURVEY, WITHOUT EXPRESS WRITTEN CONSENT OF THE SURVEYOR.

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY (OR STATE) THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

SURVEYOR'S SIGNATURE: *Aaron D. Blankenship*
ALABAMA LICENSE NUMBER: 33664 DATE: 5/01/2024



- Control Point
- Cleanout
- Water Spigot
- Single Support Sign
- Sanitary Sewer Manhole
- Light Pole
- Well Casing
- Valve Box Sewer
- Post
- Water Valve
- Telephone Pedestal
- Wire Pull Box
- Fire Hydrant
- Water Meter
- Base Mounted Taxiway Light
- Underground Utility Marker
- Transformer Box
- Power Meter Box
- Power Box
- Electric Junction Box
- Gas Valve
- Gas Line Level A
- Fence Line
- Storm Drain Pipe
- Underground Electric Line
- Sanitary Sewer Line
- Underground Fiber Optic Cable
- Water Line

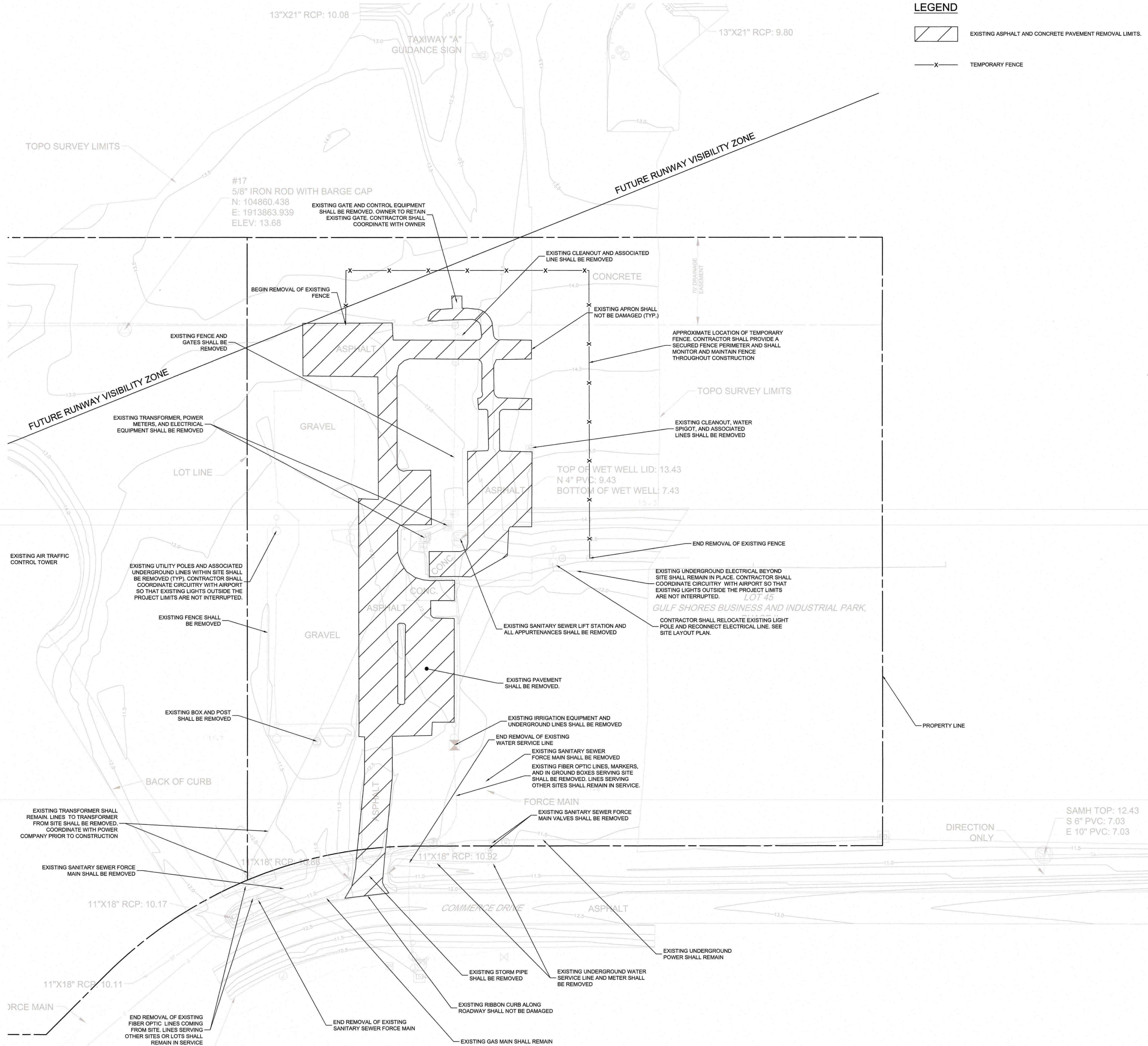
HATCHED AREA DEPICTS WHERE TOPO CROSS SECTIONS WERE ONLY SHOT EVERY ±400' AND AT EACH PIPE INVERT

SSMC
SUE • SURVEY • GIS
SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION
955 N. OATES STREET, SUITE 5
DOTHAN, ALABAMA 36060
e-mail: info@southeasternsurveying.com
Certification of Authorization CA-990-LS

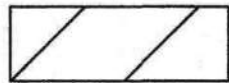
REVISION	BY	REVISION DATE	REVISION DESCRIPTION
1	ADB	05/01/2024	REVISED SURVEYOR'S REPORT 10.

TOPOGRAPHIC SURVEY
Project: GULF SHORES INTERNATIONAL AIRPORT
JACK EDWARDS FIELD
GULF SHORES, ALABAMA
Field Date: FEB. 26, 2024
Scale: 1" = XX'
Drawn By: ADB

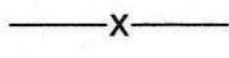
BARGE DESIGN SOLUTIONS, INC.
DRAWING NUMBER
70465001
SHEET
NUMBER
1 OF 1



LEGEND



EXISTING ASPHALT AND CONCRETE PAVEMENT REMOVAL LIMITS.



TEMPORARY FENCE

GENERAL NOTES:

- WHERE ENGINEER'S SPECIFICATIONS ARE IN CONFLICT WITH THE DRAWINGS, THE DRAWINGS SHALL CONTROL.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FAA OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION AC No: 150/5370-2G, LATEST EDITION.
- ALL DIMENSIONS ARE IN U.S. CUSTOMARY UNITS (DECIMAL FEET).
- ALL COORDINATES ARE IN ALABAMA STATE PLANE COORDINATES - WEST ZONE. CONTRACTOR SHALL REFER TO THE SURVEY FOR SURVEY CONTROL POINTS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES COVERING THIS WORK PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL POST PERMITS ON-SITE AS REQUIRED BY GOVERNING AUTHORITIES.
- THE LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES IS THE RESPONSIBILITY OF THE CONTRACTOR. EXISTING UTILITY LOCATIONS NOTED ON THE PLANS ARE APPROXIMATE ONLY, MAY NOT INCLUDE ALL ACTUAL UTILITY LINES, AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCING WORK. ANY DEVIATIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND SHALL MAINTAIN A PROGRAM OF SAFETY MEETING ALL REQUIREMENTS OF FEDERAL, STATE, AND LOCAL GOVERNING AGENCIES DURING ALL PHASES OF CONSTRUCTION AND AT ALL TIMES UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. CURRENT OSHA REGULATIONS SHALL BE ADHERED TO WITH RESPECT TO EXCAVATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE TEMPORARY TRAFFIC CONTROL MEASURES WITH THE OWNER AND AIRPORT MANAGER TO ENSURE OPERATIONS ARE NOT IMPACTED. IF ANY TEMPORARY IMPACTS ARE NECESSARY, CONTRACTOR SHALL OBTAIN APPROVALS PRIOR TO IMPACT.
- ALL PUBLIC RIGHTS-OF-WAY, PRIVATE DRIVES, AND AIRPORT PAVEMENTS SHALL BE CLEAR OF OBSTRUCTIONS. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED / STAGED IN THESE AREAS.
- CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS FOR ACTUAL BUILDING DIMENSIONS, DIMENSIONS AND LOCATIONS OF CANOPIES, WALLS, MECHANICAL UNIT PADS, GENERATOR, STEPS, RAILINGS/FENCES, AND LOCATIONS OF ALL UTILITY ENTRANCES TO BUILDINGS.
- THE CONTRACTOR SHALL KEEP THE PUBLIC OUT OF CONSTRUCTIONS AREAS AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS NECESSARY TO ENSURE PUBLIC SAFETY.
- THE CONTRACTOR SHALL MAINTAIN A SECURE FENCED PERIMETER FOR THE AIRPORT THROUGHOUT THE DURATION OF THE PROJECT. FENCE REMOVAL AND REPLACEMENT SHALL BE COORDINATED WITH THE AIRPORT.
- CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH THE GEOTECHNICAL ENGINEERING REPORT DATED 3/7/24 PREPARED BY NOVA.
- OWNER TO PROVIDE SITE LANDSCAPING.
- THESE CIVIL PLANS ARE COORDINATED WITH ARCH PLANS DATED 4/18/2024.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL QUALITY CONTROL/CONSTRUCTION MATERIALS TESTING AS REQUIRED BY THE PROJECT SPECIFICATIONS. THE OWNER MAY CONDUCT ANY ADDITIONAL QUALITY ASSURANCE TESTING AT THE OWNER'S EXPENSE.

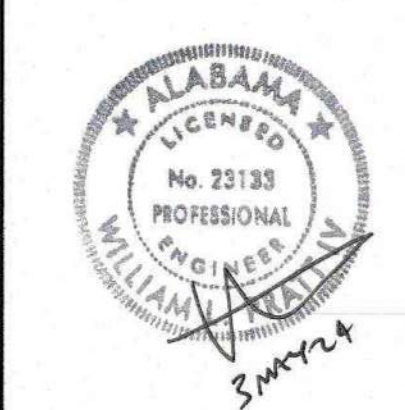
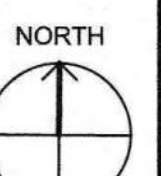
DEMOLITION NOTES:

- CONTRACTOR SHALL MAINTAIN AND PROTECT AS NECESSARY ALL EXISTING STRUCTURES, FACILITIES, APPURTENANCES, INFRASTRUCTURE, PROPERTY, OR OTHER ITEMS TO REMAIN. ANY EXISTING PRIVATE OR PUBLIC PROPERTY TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING ITEMS THAT ARE SHOWN TO BE REMOVED OR ARE IN CONFLICT WITH THE NEW IMPROVEMENTS. CONTRACTOR SHALL COORDINATE WITH AIRPORT SO THAT VISIBILITY FROM ADJACENT AIR TRAFFIC CONTROL TOWER IS NOT OBSTRUCTED.
- ITEMS TO BE DEMOLISHED (E.G. FENCES, STRUCTURES, SIGNS, SLABS, UTILITIES, PAVEMENTS, ETC.) SHALL BE REMOVED IN THEIR ENTIRETY.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY ENVIRONMENTAL OR HAZARDOUS MATERIALS IN ACCORDANCE WITH REGULATORY REQUIREMENTS.
- AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL REQUEST HORIZONTAL AND VERTICAL LOCATION INFORMATION FROM ALL UTILITIES WITHIN PROXIMITY OF THE WORK. AT TIME OF REQUEST, CONTRACTOR SHALL DISCLOSE SCOPE OF CONSTRUCTION ACTIVITIES AND SCHEDULES FOR COORDINATION WITH UTILITIES.
- THIS PLAN IS NOT TO BE CONSIDERED AS A DEMOLITION PHASING PLAN. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING DEMOLITION OPERATIONS AND PHASING THE WORK AS NECESSARY.
- CONTRACTOR SHALL PROVIDE STORMWATER RUNOFF CONTROL BMP MEASURES AS NECESSARY TO ENSURE DEBRIS AND SEDIMENT DEPOSITS DO NOT ENTER THE STORM DRAINAGE SYSTEMS ADJACENT TO THE CONSTRUCTION AREAS. REFERENCE EROSION AND SEDIMENTATION CONTROL DESIGN.
- CONTRACTOR SHALL CONTACT ALABAMA 811 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO LOCATE AND MARK UTILITIES.
- ALL DEMOLITION WASTE SHALL BE DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER AND IN A MANNER THAT MEETS LOCAL, STATE, AND FEDERAL LEGAL REQUIREMENTS.

ABBREVIATIONS

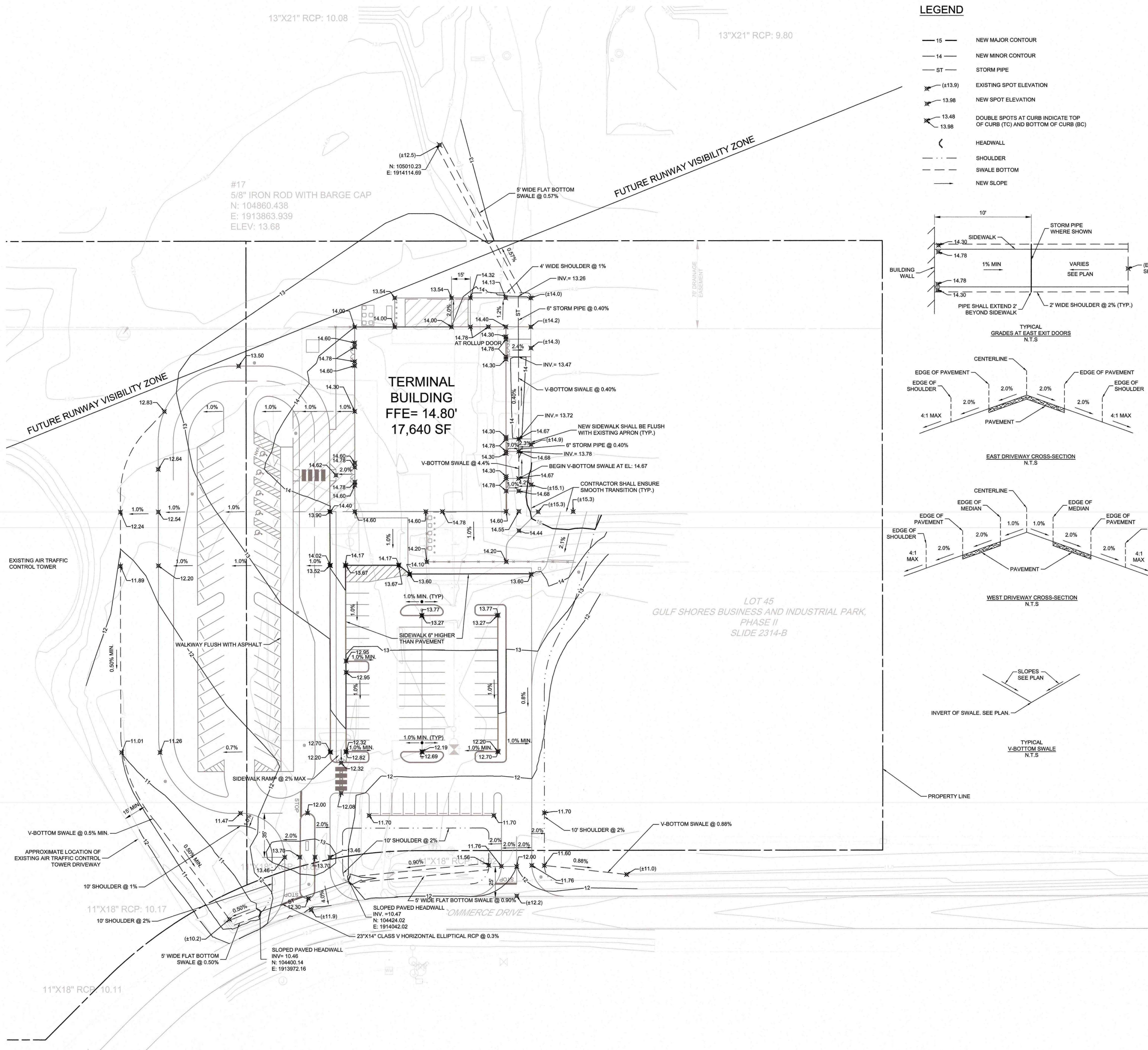
@	AT	NTS	NOT TO SCALE
ARCH	ARCHITECT	OC	ON CENTER
BC	BOTTOM OF CURB	PT	POINT
CEN	CENTER	P.I.	POINT OF INTERSECTION
CO	CLEAN OUT	R	RADIUS
CL	CENTER LINE	REF.	REFERENCE
DIA	DIAMETER	R.O.W.	RIGHT-OF-WAY
E/P	EDGE OF PAVEMENT	SA	SANITARY SEWER
EL	ELEVATION	SCH	SCHEDULE
EXIST	EXISTING	SD	STORM DRAIN
F	FIRE WATER	ST	STORM PIPE
FDC	FIRE DEPARTMENT CONNECTION	TC	TOP OF CURB
INV	INVERT	TYP	TYPICAL
MH	MANHOLE	W	DOMESTIC WATER
MAX	MAXIMUM	WFS	WAYFINDING SIGN
MIN	MINIMUM		

SCALE: 1 INCH = 30 FEET



REV.	DATE	CHK.	APP.	DESCRIPTION
0	05/03/2024	JU	UP	ISSUED FOR BID

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FILE: J:\WORK\CG101\CG101.dwg
DATE: 05/03/2024
TIME: 10:00:00
PLOT: 05/03/2024



LEGEND

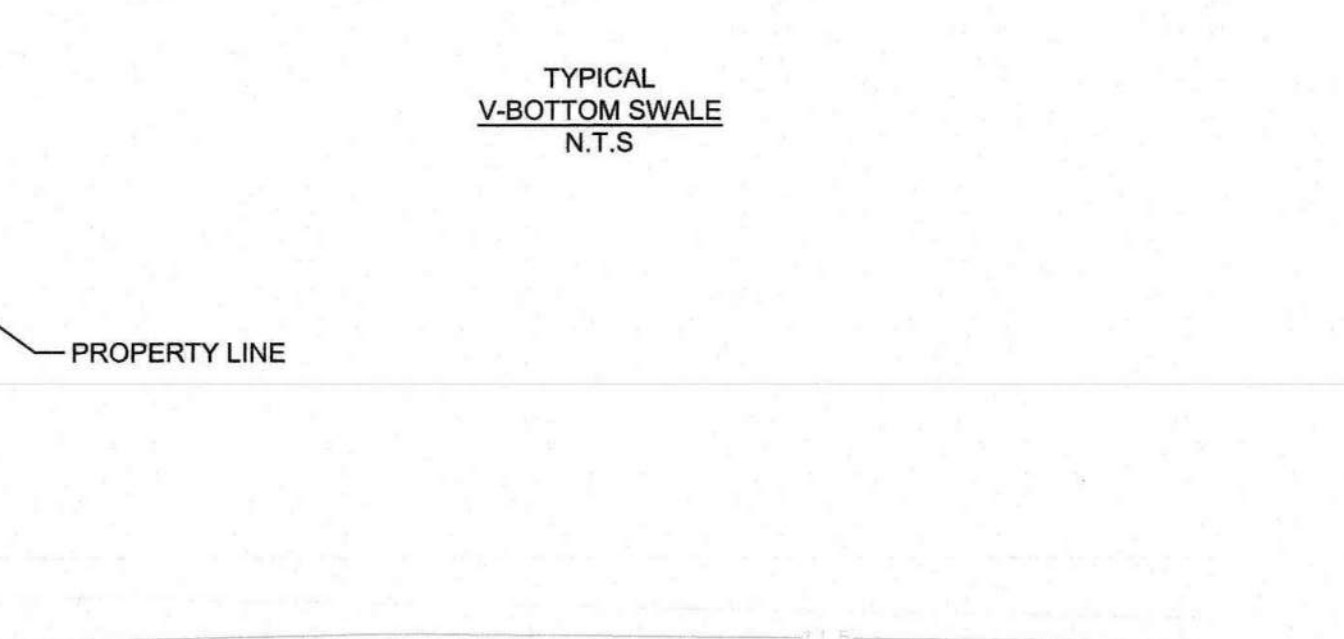
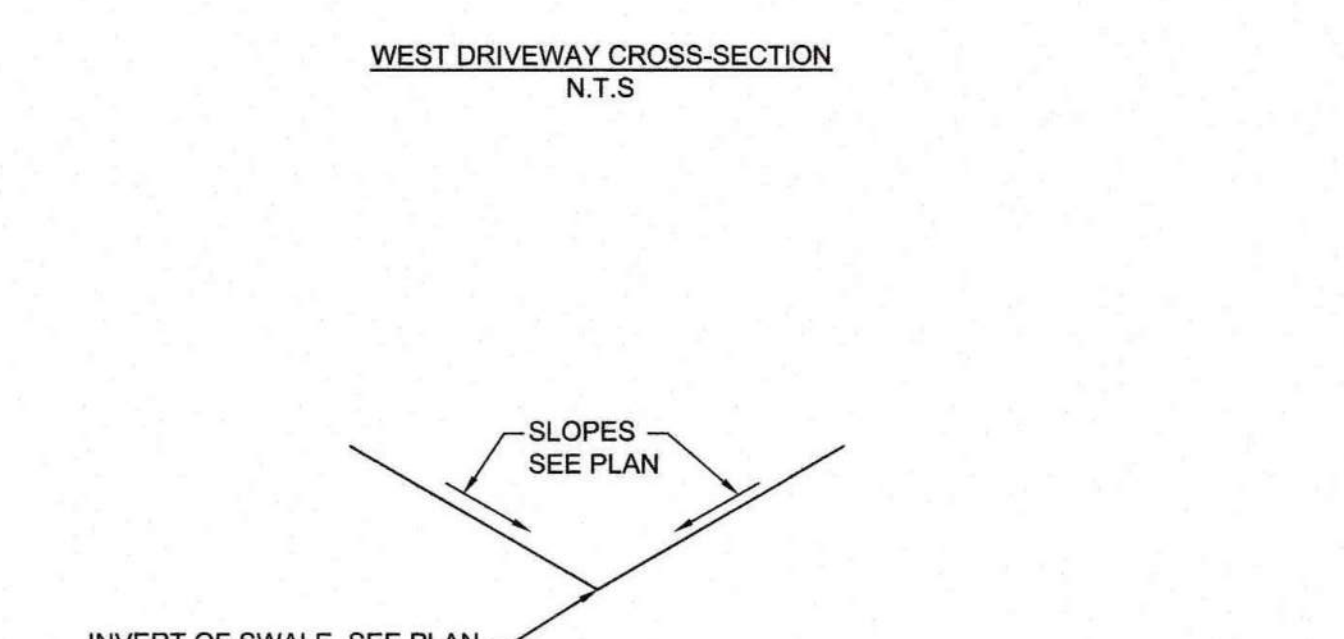
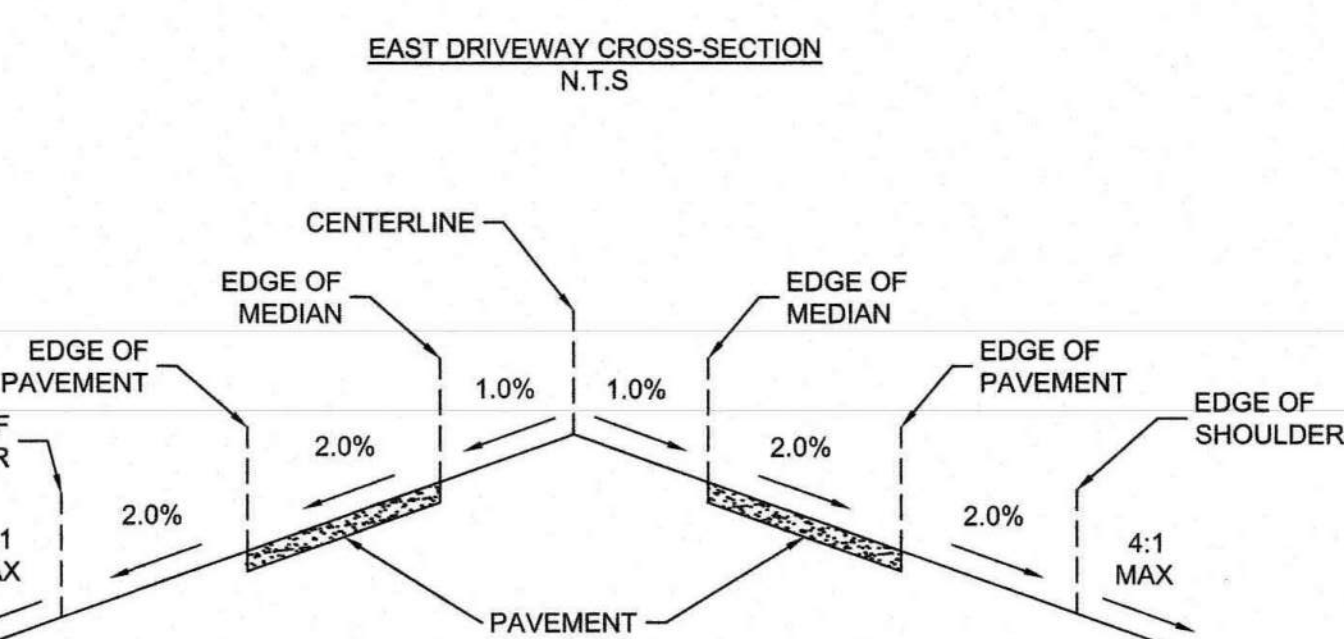
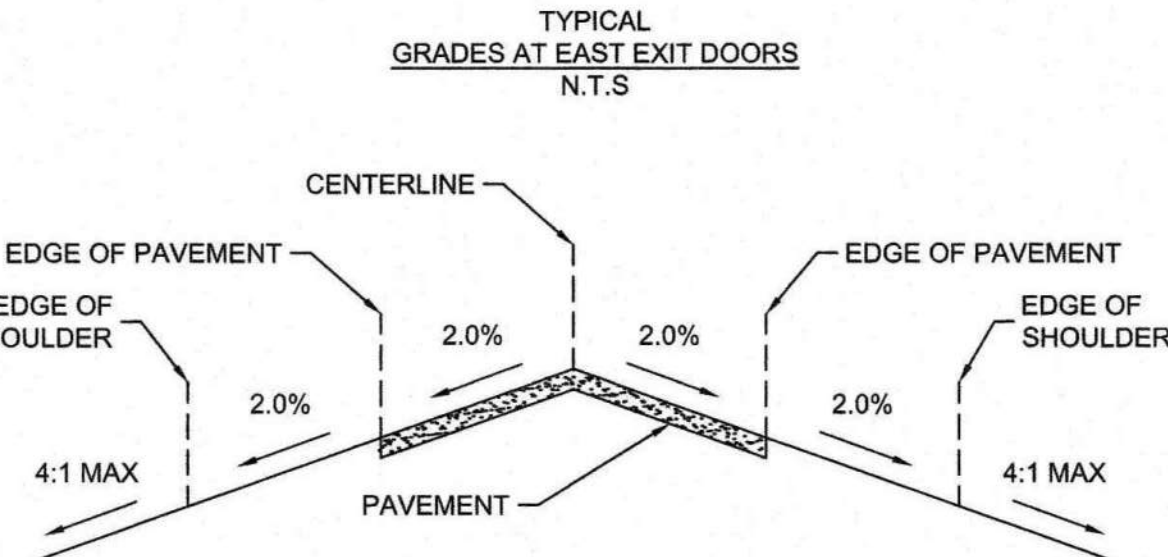
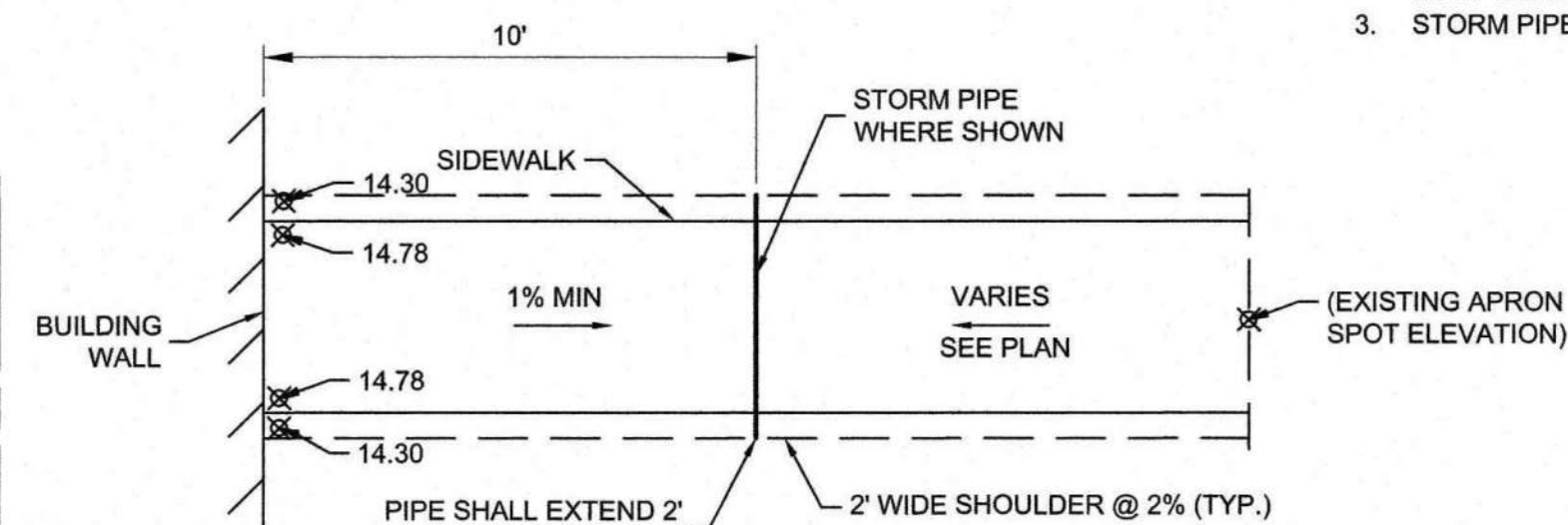
- 15 NEW MAJOR CONTOUR
- 14 NEW MINOR CONTOUR
- ST STORM PIPE
- (±13.9) EXISTING SPOT ELEVATION
- 13.98 NEW SPOT ELEVATION
- 13.48 DOUBLE SPOTS AT CURB INDICATE TOP OF CURB (TC) AND BOTTOM OF CURB (BC)
- 13.98
- HEADWALL
- SHOULDER
- SWALE BOTTOM
- NEW SLOPE

GRADING NOTES:

- ALL GRADED UNPAVED DISTURBED AREAS SHALL HAVE TOPSOIL, SEED, MULCH, FERTILIZER, AND WATER APPLIED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL SLOPES 4:1 AND STEEPER AND ALL DRAINAGE SWALES SHALL BE COVERED WITH AN EROSION CONTROL BLANKET (E.G. NORTH AMERICAN GREEN SC150 OR APPROVED ALTERNATE). BLANKET SHALL EXTEND UP THE SWALE SIDE SLOPES A MINIMUM OF FIVE (5) FEET BEYOND THE INVERT OF THE SWALE.
- ALL NEW SPOT ELEVATIONS AND CONTOUR ELEVATIONS REPRESENT FINISHED GRADE ELEVATIONS EXCEPT AS NOTED OTHERWISE.
- REFERENCE ARCHITECT PLANS FOR BUILDING PAD SUBGRADE ELEVATION ABOVE SUBGRADE (E.G. VAPOR BARRIER, AGGREGATE, ETC.).
- SITE CONTOURS ARE SHOWN FOR CLARIFICATION PURPOSES ONLY. GRADING SHALL BE CONSTRUCTED BASED ON CONTROL SPOT ELEVATIONS AND GRADE CONTROL LINES.
- SPOT ELEVATIONS AT BUILDING WALLS ARE EXTERIOR ELEVATIONS.

STORM DRAINAGE NOTES:

- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE OWNER.
- STORM DRAINAGE PIPES SHALL BE CLEANED OUT UPON COMPLETION OF LAND DISTURBANCE ACTIVITIES TO REMOVE ALL SILT, SEDIMENT, AND DEBRIS. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS FOR EXACT LOCATION OF ROOF DRAIN DOWNSPOUTS. DOWNSPOUTS SHALL SPLASH ON GRADE.
- STORM PIPE UNDER SIDEWALK SHALL BE PVC SCHEDULE 40.



BARGE
DESIGN SOLUTIONS

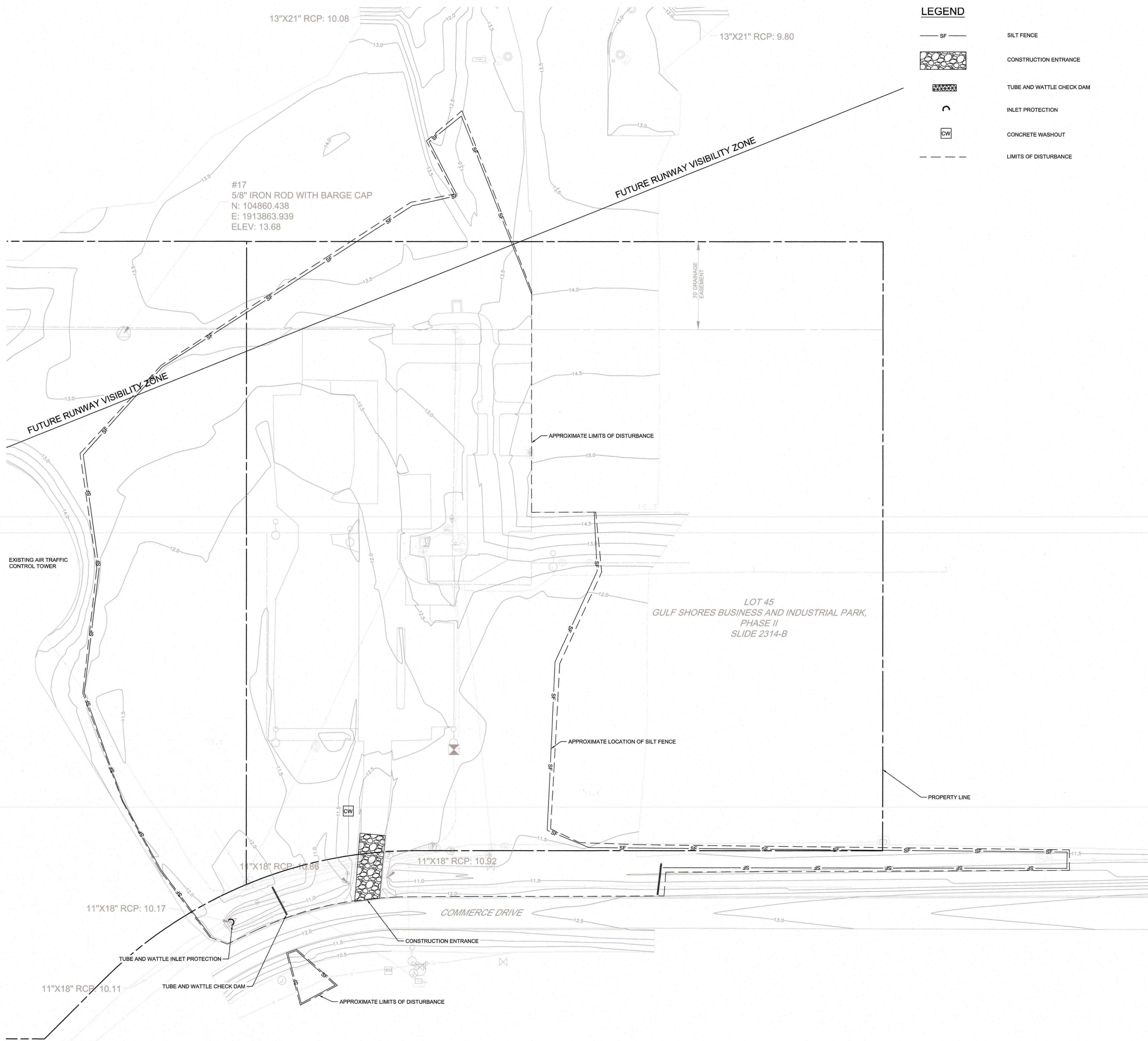


SITE GRADING PLAN
GULF SHORES INTERNATIONAL AIRPORT
NEW TERMINAL BUILDING
GULF SHORES, AL

REV.	DATE	BY	CHK.	DESCRIPTION
0	05/03/2024	WBP	UP	ISSUED FOR BID

CG101
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RGI #23124

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LEGEND

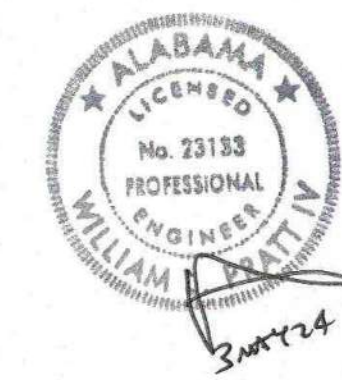
- SF SILT FENCE
- CONSTRUCTION ENTRANCE
- TUBE AND WATTLE CHECK DAM
- INLET PROTECTION
- CW CONCRETE WASHOUT
- LIMITS OF DISTURBANCE

GENERAL EROSION CONTROL NOTES:

- THE CONTRACTOR SHALL SUBMIT THE NOTICE OF INTENT AND SHALL OBTAIN THE ADEM NPDES PERMIT. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STATE OF ALABAMA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH AND ADHERE TO THEIR CONTENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES AND OBTAINING NECESSARY PERMIT COVERAGE IN ACCORDANCE WITH THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
- CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO BEGINNING ANY EARTH DISTURBING ACTIVITIES AND ENSURE THAT NO SEDIMENT LEAVES THE CONSTRUCTION LIMITS.
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE NPDES PERMIT. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY SITE CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLES CLEANING, EQUIPMENTS CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE / U.S.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN SHALL BE INITIATED AS SOON AS PRACTICAL.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS, AIRPORT PAVEMENTS, OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL EMPLOY A QUALIFIED CREDENTIALLED PROFESSIONAL (QCP) AND QUALIFIED CREDENTIALLED INSPECTOR (QCI) TO PERFORM CONSTRUCTION STORM WATER MONITORING AND REPORTING IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS.
- CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING ALL SEDIMENT THAT IS COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE CONSTRUCTION OF THE SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES TO PREVENT EROSION AND DOWNSTREAM SEDIMENTATION THROUGHOUT THE LIFE OF THE PROJECT.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IF REQUIRED. CONTRACTOR SHALL PREPARE A CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP) AND SHALL SUBMIT NOTICE OF INTENT (N.O.I.), UPON PROJECT COMPLETION CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE GOVERNING AUTHORITIES.

APPROXIMATE TOTAL LIMITS OF
DISTURBANCE= 4.36 ACRES

BARGE
DESIGN SOLUTIONS



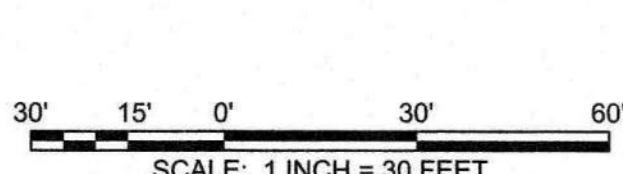
SITE EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

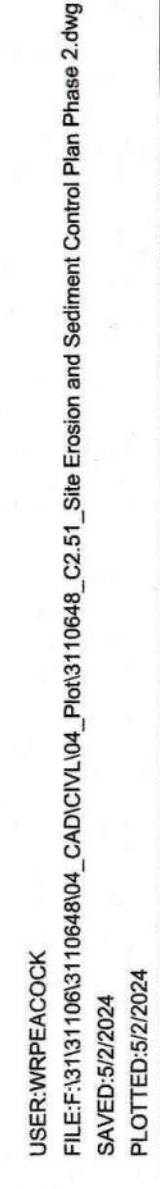
GULF SHORES INTERNATIONAL AIRPORT
NEW TERMINAL BUILDING
GULF SHORES, AL

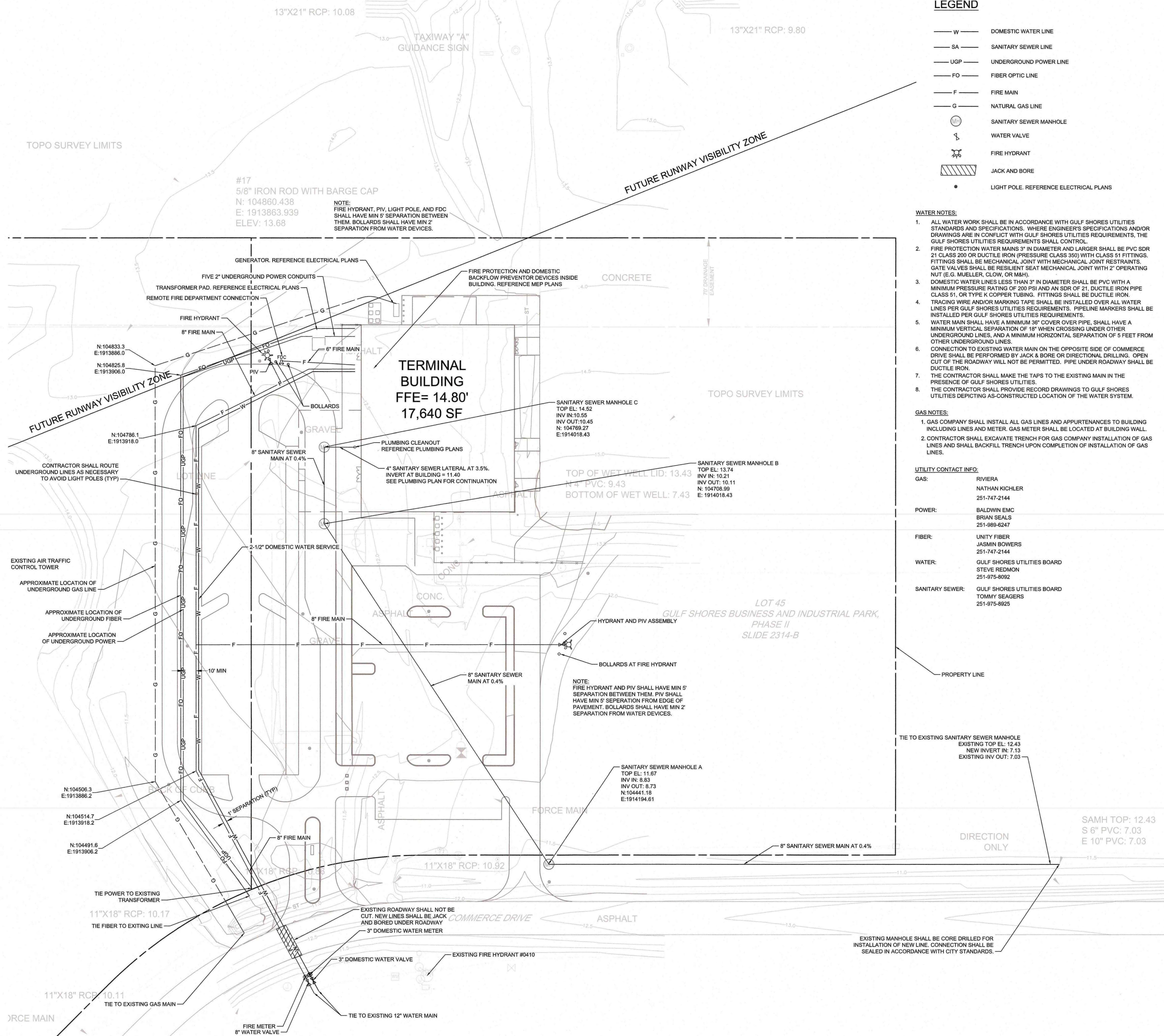
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CE101

FILE NO. 31106-48
RGI #23124







LEGEND

- W DOMESTIC WATER LINE
- SA SANITARY SEWER LINE
- UGP UNDERGROUND POWER LINE
- FO FIBER OPTIC LINE
- F FIRE MAIN
- G NATURAL GAS LINE
- MANHOLE SANITARY SEWER MANHOLE
- WATER VALVE
- FIRE HYDRANT
- JACK AND BORE
- LIGHT POLE. REFERENCE ELECTRICAL PLANS

WATER NOTES:

- ALL WATER WORK SHALL BE IN ACCORDANCE WITH GULF SHORES UTILITIES STANDARDS AND SPECIFICATIONS. WHERE ENGINEER'S SPECIFICATIONS AND/OR DRAWINGS ARE IN CONFLICT WITH GULF SHORES UTILITIES REQUIREMENTS, THE GULF SHORES UTILITIES REQUIREMENTS SHALL CONTROL.
- FIRE PROTECTION WATER MAINS 3" IN DIAMETER AND LARGER SHALL BE PVC SDR 21 CLASS 200 OR DUCTILE IRON (PRESSURE CLASS 350) WITH CLASS 51 FITTINGS. FITTINGS SHALL BE MECHANICAL JOINT WITH MECHANICAL JOINT RESTRAINTS. GATE VALVES SHALL BE RESILIENT SEAT MECHANICAL JOINT WITH 2" OPERATING NUT (E.G. MUELLER, CLOW, OR M&H).
- DOMESTIC WATER LINES LESS THAN 3" IN DIAMETER SHALL BE PVC WITH A MINIMUM PRESSURE RATING OF 200 PSI AND AN SDR OF 21. DUCTILE IRON PIPE CLASS 51, OR TYPE K COPPER TUBING. FITTINGS SHALL BE DUCTILE IRON.
- TRACING WIRE AND/OR MARKING TAPE SHALL BE INSTALLED OVER ALL WATER LINES PER GULF SHORES UTILITIES REQUIREMENTS. PIPELINE MARKERS SHALL BE INSTALLED PER GULF SHORES UTILITIES REQUIREMENTS.
- WATER MAIN SHALL HAVE A MINIMUM 30" COVER OVER PIPE. SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" WHEN CROSSING UNDER OTHER UNDERGROUND LINES, AND A MINIMUM HORIZONTAL SEPARATION OF 5 FEET FROM OTHER UNDERGROUND LINES.
- CONNECTION TO EXISTING WATER MAIN ON THE OPPOSITE SIDE OF COMMERCE DRIVE SHALL BE PERFORMED BY JACK & BORE OR DIRECTIONAL DRILLING. OPEN CUT OF THE ROADWAY WILL NOT BE PERMITTED. PIPE UNDER ROADWAY SHALL BE DUCTILE IRON.
- THE CONTRACTOR SHALL MAKE THE TAPS TO THE EXISTING MAIN IN THE PRESENCE OF GULF SHORES UTILITIES.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO GULF SHORES UTILITIES DEPICTING AS-CONSTRUCTED LOCATION OF THE WATER SYSTEM.

GAS NOTES:

- GAS COMPANY SHALL INSTALL ALL GAS LINES AND APPURTENANCES TO BUILDING INCLUDING LINES AND METER. GAS METER SHALL BE LOCATED AT BUILDING WALL.
- CONTRACTOR SHALL EXCAVATE TRENCH FOR GAS COMPANY INSTALLATION OF GAS LINES AND SHALL BACKFILL TRENCH UPON COMPLETION OF INSTALLATION OF GAS LINES.

UTILITY CONTACT INFO:

- GAS: RIVIERA
NATHAN KICHLER
251-747-2144
- POWER: BALDWIN EMC
BRIAN SEALS
251-989-6247
- FIBER: UNITY FIBER
JASMIN BOWERS
251-747-2144
- WATER: GULF SHORES UTILITIES BOARD
STEVE REDMON
251-975-8092
- SANITARY SEWER: GULF SHORES UTILITIES BOARD
TOMMY SEAGERS
251-975-8925

PROPERTY LINE

TIE TO EXISTING SANITARY SEWER MANHOLE
EXISTING TOP EL: 12.43
NEW INVERT IN: 7.13
EXISTING INV OUT: 7.03

GENERAL UTILITY NOTES:

- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY LINES DURING CONSTRUCTION AT NO COST TO THE OWNER.
- COORDINATES OR DIMENSIONS SHOWN ARE TO CENTER LINE OF PIPE OR FITTING OR TO CENTER LINE OF STRUCTURE UNLESS OTHERWISE NOTED.
- SANITARY CLEANOUTS SHALL BE SPACED PER LOCAL CODE, OR NO GREATER THAN 70' APART, WHICHEVER IS CLOSEST.
- PIPES SHALL BE INSTALLED, INSPECTED, TESTED, AND APPROVED BEFORE BACKFILLING. CONTRACTOR SHALL COORDINATE UTILITY INSPECTION AND TESTING WITH APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON AVAILABLE SURVEY INFORMATION. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL MAINTAIN UTILITY AS-BUILT PLANS DURING CONSTRUCTION AND SHALL PROVIDE TO OWNER AND ENGINEER UPON CONSTRUCTION COMPLETION.
- UTILITY SLEEVES (E.G. IRRIGATION, SITE LIGHTING, ETC.) SHALL BE INSTALLED WITH TRACER WIRE ABOVE PIPES.

SANITARY SEWER NOTES:

- ALL SANITARY SEWER WORK SHALL BE IN ACCORDANCE WITH GULF SHORES UTILITIES STANDARDS AND SPECIFICATIONS. WHERE ENGINEER'S SPECIFICATIONS AND/OR DRAWINGS ARE IN CONFLICT WITH GULF SHORES UTILITIES REQUIREMENTS, THE GULF SHORES UTILITIES REQUIREMENTS SHALL CONTROL.
- ALL SANITARY SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE FINISHED PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND LIDS. THE TOP ELEVATION OF ALL SANITARY SEWER MANHOLES IN NON-PAVED (GRASSSED) AREAS SHALL BE 12" ABOVE FINISHED GRADE. LIDS SHALL BE LABELED "SANITARY SEWER".
- SANITARY SEWER PIPES SHALL BE CLEANED OUT UPON COMPLETION OF LAND DISTURBANCE ACTIVITIES TO REMOVE ALL SILT, SEDIMENT, AND DEBRIS.
- ALL PIPES ENTERING SANITARY SEWER STRUCTURES SHALL BE BOOTED OR GROUTED WITH NON-SHRINK GROUT PER CITY REQUIREMENTS TO OBTAIN A WATER-TIGHT CONNECTION.
- SANITARY SEWER PIPE MATERIAL: SEWER MAINS SHALL BE PVC SDR 35 OR CLASS 52 DUCTILE IRON. SEWER LATERALS SHALL BE SCHEDULE 40 PVC.
- SEE ARCHITECTURAL PLANS FOR SEWER LATERAL INVERT ELEVATION AND CONTINUATION INTO BUILDING.
- SANITARY SEWER CONNECTION TO EXISTING MANHOLE IN COMMERCE DRIVE SHALL BE PERFORMED BY CONTRACTOR IN ACCORDANCE WITH CITY REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO GULF SHORES UTILITIES DEPICTING AS-CONSTRUCTED LOCATION OF THE SANITARY SEWER SYSTEM.

GULF SHORES UTILITIES BOARD (GSUB) SANITARY SEWER NOTES:

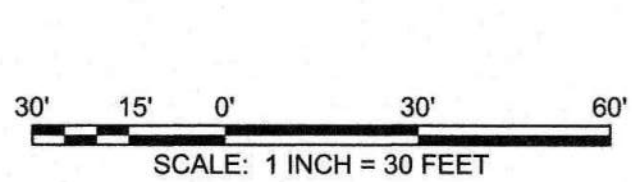
- NO EXCAVATION FOR SEWER CONNECTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL TAKE PLACE UNTIL GULF SHORES UTILITIES BOARD (BOARD) PERSONNEL HAVE VERIFIED THE NEED FOR SUCH EXCAVATION AND THE PARTY PERFORMING THE EXCAVATION HAS OBTAINED ALL PERMITS AS REQUIRED FROM THE CITY OF GULF SHORES' PUBLIC WORKS DEPARTMENT.
- GROUNDWATER SHALL BE MAINTAINED AT LEAST EIGHT INCHES (8") BELOW ELEVATION OF SEWER CONNECTION OR THE DURATION OF THE WORK.
- GSUB SHALL DETERMINE ACCEPTABILITY OF CONNECTION FROM BUILDING SEWER TO PUBLIC SEWER. ALL PIPE, COUPLINGS, ADAPTERS, CLEANOUT PLUGS, ETC. ASSOCIATED WITH CONNECTION BETWEEN BUILDING AND PUBLIC SEWER SHALL BE VISIBLE AND ACCESSIBLE FOR INSPECTION BY THE BOARD'S PERSONNEL PRIOR TO BACKFILL OF THE EXCAVATION SITE.
- GREASE INTERCEPTOR OR GRIT CHAMBER SHALL BE PROPERLY INSTALLED, WHEN REQUIRED.
- PARTY RESPONSIBLE FOR CONNECTION TO THE PUBLIC SEWER IS LIABLE FOR ANY DAMAGE TO PUBLIC SEWER SYSTEM RESULTING FROM THEIR WORK IN MAKING CONNECTION.
- SEWER CONNECTION INSPECTION SHALL BE SCHEDULED WITH BOARD PERSONNEL AT LEAST 24 HOURS IN ADVANCE BY CALLING GULF SHORES UTILITIES BOARD AT (251) 989-6323. ALL SEWER INSPECTIONS SHALL BE SCHEDULED DURING NORMAL WORKING HOURS.
- NO WORK SHALL BE PERFORMED FOR CONNECTION TO PUBLIC SEWER WITHOUT PERSONNEL FROM GULF SHORES UTILITIES BOARD ON THE JOB SITE.

POWER NOTES:

- REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
- ALL PRIMARY AND SECONDARY SERVICE LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR COORDINATION PURPOSES ONLY.
- POWER COMPANY SHALL:
 - PROVIDE AND INSTALL NEW TRANSFORMER AND METER AT BUILDING.
 - PROVIDE TO THE CONTRACTOR SPECIFICATIONS FOR TRANSFORMER PAD, CONDUIT MANHOLE, PULL BOXES, ETC.
 - PULL AND INSTALL ALL PRIMARY CABLE IN CONDUITS.
 - PROVIDE AND INSTALL ALL OVERHEAD POWER AND UTILITIES, IF ANY.
 - PROVIDE AND INSTALL ALL NEW UTILITY POLES, IF ANY.
 - REMOVE AND PROPERLY DISPOSE OF ALL EXISTING LINES, POLES, GUY WIRES, ETC. THAT CONFLICT WITH THE NEW IMPROVEMENTS.
 - REMOVE AND PROPERLY DISPOSE OF TRANSFORMERS INCLUDING TRANSFORMERS THAT MAY CONTAIN PCB'S.
- CONTRACTOR SHALL:
 - MEET WITH POWER COMPANY PRIOR TO BEGINNING SITEWORK.
 - PROVIDE ALL MATERIAL AND LABOR FOR SECONDARY SERVICE FROM TRANSFORMER TO BUILDING.
 - PROVIDE AND INSTALL ALL APPURTENANCES TO INCLUDE BUT NOT LIMITED TO TWO 5" DIAMETER SCHEDULE 40 CONDUITS WITH PULL WIRE/STRING, TRANSFORMER PAD, ETC., PER POWER COMPANY SPECIFICATIONS.
 - CONTRACTOR TO COORDINATE ALL MATERIALS AND SERVICE LOCATIONS WITH THE POWER COMPANY SPECIFICATIONS.
 - PROVIDE ALL UTILITY TRENCHES AND BACKFILL PER THE POWER COMPANY SPECIFICATIONS AND THE SITE WORK SPECIFICATIONS.
 - BE RESPONSIBLE FOR ANY FEES AND COSTS ASSOCIATED WITH NEW AND/OR RELOCATED POWER SERVICES.

TELEPHONE AND COMMUNICATION NOTES:

- REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
- ALL PHONE COMMUNICATION LINE LOCATIONS ARE APPROXIMATE AND SHOWN FOR COORDINATION PURPOSES ONLY.
- ALL CONDUIT SHALL BE 4" DIAMETER SCHEDULE 40 PVC. ALL CONDUIT ENTERING BUILDING TO PHONE ROOM SHALL BE 4" DIAMETER ELECTRICAL METALLIC TUBING.
- TELEPHONE COMPANY SHALL:
 - RELOCATE EXISTING PHONE LINES, COMMUNICATION LINES, AND ALL APPURTENANCES THAT CONFLICT WITH THE NEW IMPROVEMENTS AT THE CONTRACTOR'S EXPENSE.
 - INSTALL ALL ABOVE GROUND OR BELOW GROUND PRIMARY SERVICE TO BUILDING PHONE ROOM FROM OFF-SITE AT NO COST TO OWNER.
 - REMOVE ALL EXISTING SERVICES THAT CONFLICT WITH THE NEW IMPROVEMENTS.
- CONTRACTOR SHALL:
 - PROVIDE ALL MATERIALS AND LABOR FOR INSTALLING ALL UNDERGROUND CONDUIT PER TELEPHONE / COMMUNICATIONS COMPANY SPECIFICATIONS.
 - PROVIDE TRENCHING AND BACKFILL FOR CONDUIT AND/OR BURIED CABLE PER TELEPHONE / COMMUNICATIONS COMPANY SPECIFICATIONS.
 - PROVIDE ANY INSTALLED CONDUITS WITH PULL WIRE/STRINGS.
 - FIELD VERIFY AND INCLUDE IN LUMP SUM BID ANY RELOCATION OF LINES AND ADJUSTMENT OF EXISTING TELEPHONE POLES, MANHOLES, JUNCTION BOXES, ETC., TO FIT FINISHED GRADE.
 - COORDINATE WITH TELEPHONE / COMMUNICATIONS COMPANY AND GIVE A MINIMUM OF 14 WORKING DAY NOTICE PRIOR TO WORK.
 - BE RESPONSIBLE FOR ANY FEES AND COSTS ASSOCIATED WITH NEW AND/OR RELOCATED TELEPHONE OR COMMUNICATIONS LINES.



SITE UTILITY PLAN

GULF SHORES INTERNATIONAL AIRPORT

NEW TERMINAL BUILDING

GULF SHORES, AL

REVISION INFORMATION
REV. NO. DATE BY DESCRIPTION
0 12/25/2024 JZ LP ISSUED FOR BID

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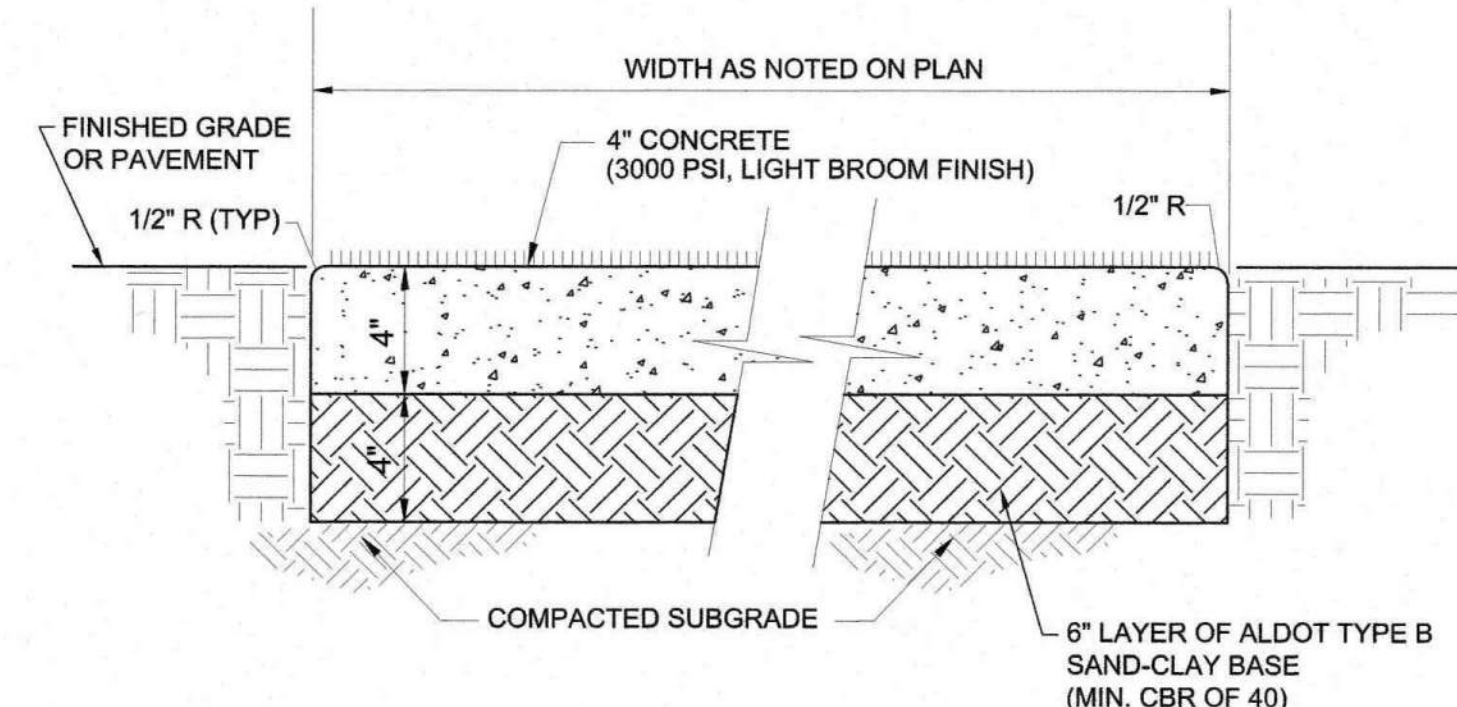
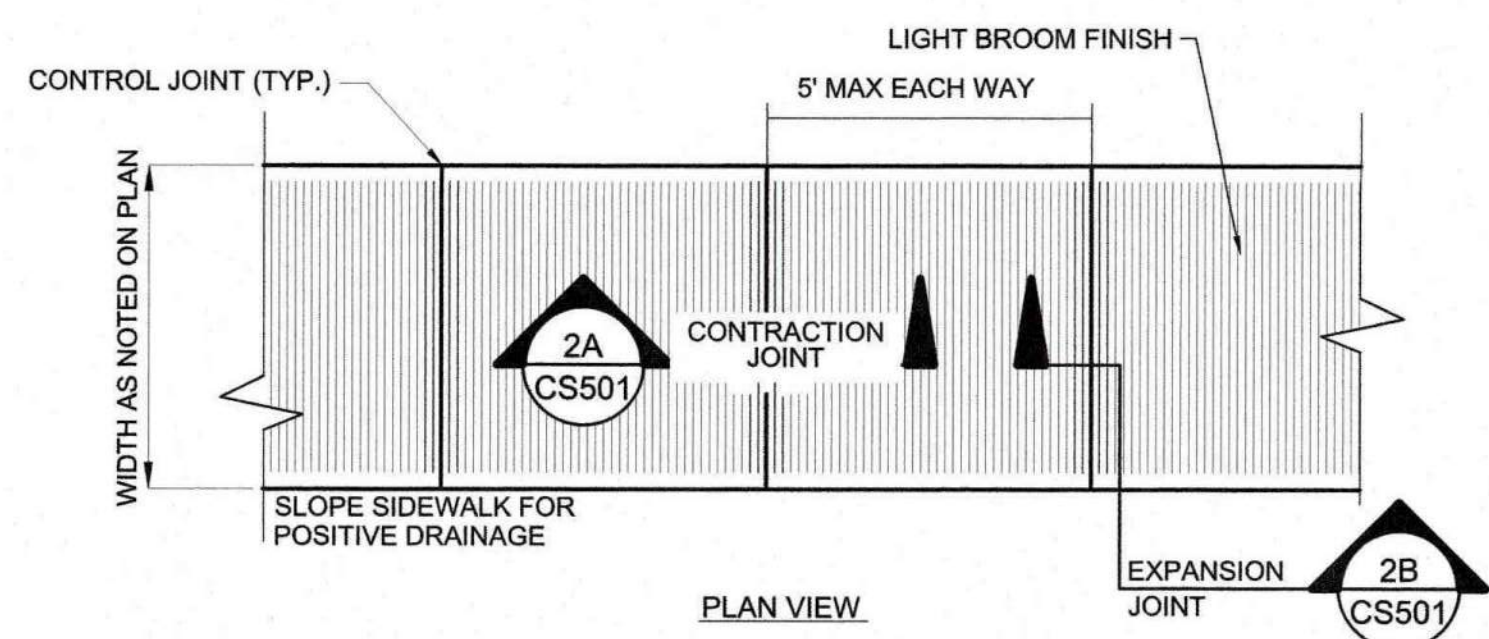
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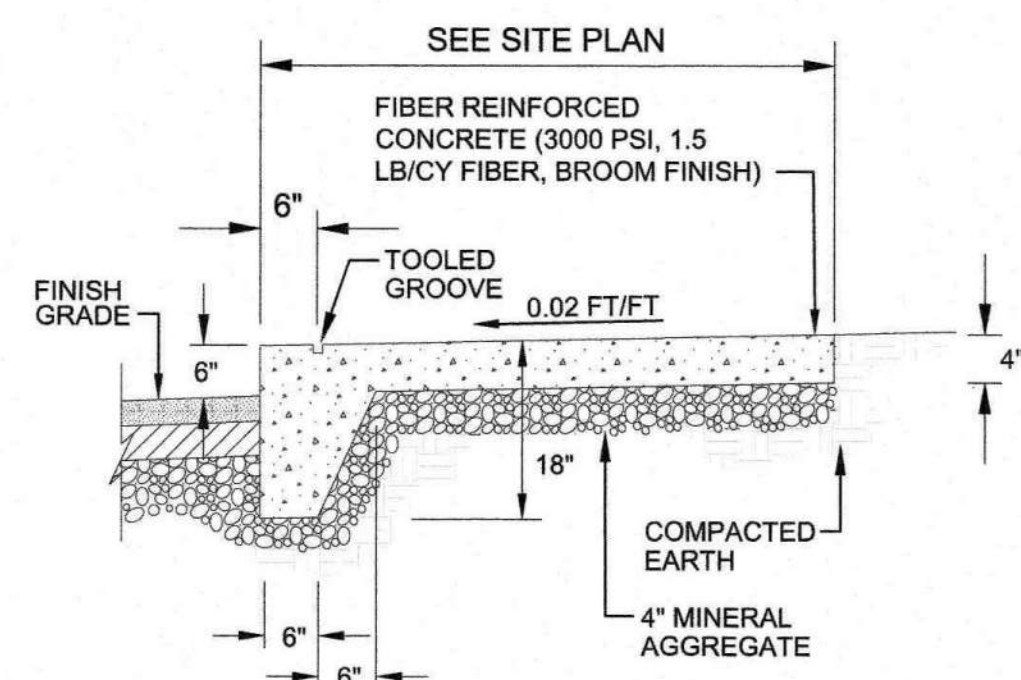
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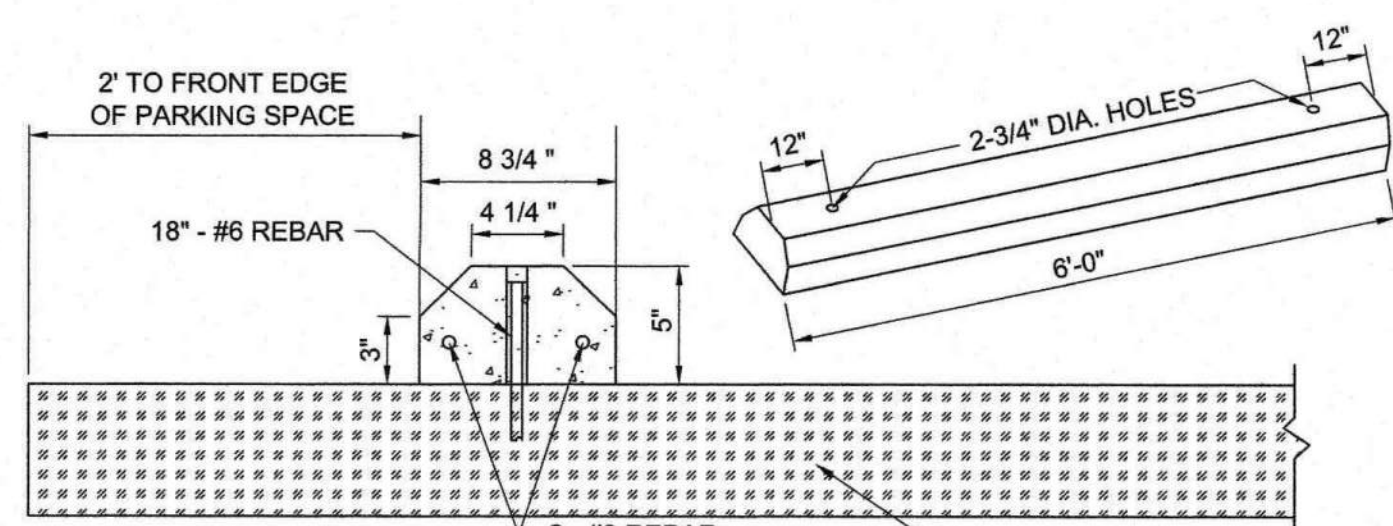
- NOTES:
1. CONCRETE SHALL BE LIGHT BROOM FINISH. PATTERN OF BROOM TO BE PERPENDICULAR WITH PEDESTRIAN TRAFFIC.
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%.
 3. LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0%.
 4. CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304, 308, 309, AND 318.
 5. CONCRETE SHALL BE AIR ENTRAINED.
 6. COMPACT TOP 12" OF SUBGRADE TO 95% MODIFIED DENSITY

1 CONCRETE SIDEWALK DETAIL
CS501/ SCALE: NTS

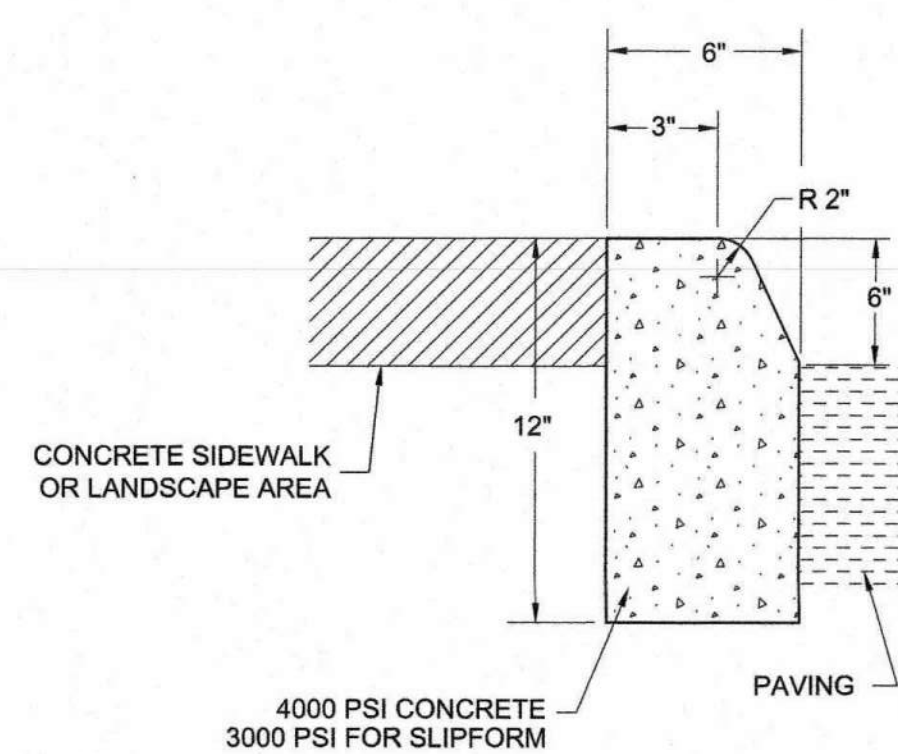


NOTE: PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 18' CENTERS AND 1/2" CONTRACTION JOINTS EQUALLY SPACED AT 6' CENTERS BETWEEN EXPANSION JOINTS.

5 SIDEWALK WITH THICKENED EDGE
CS501/ SCALE: NTS

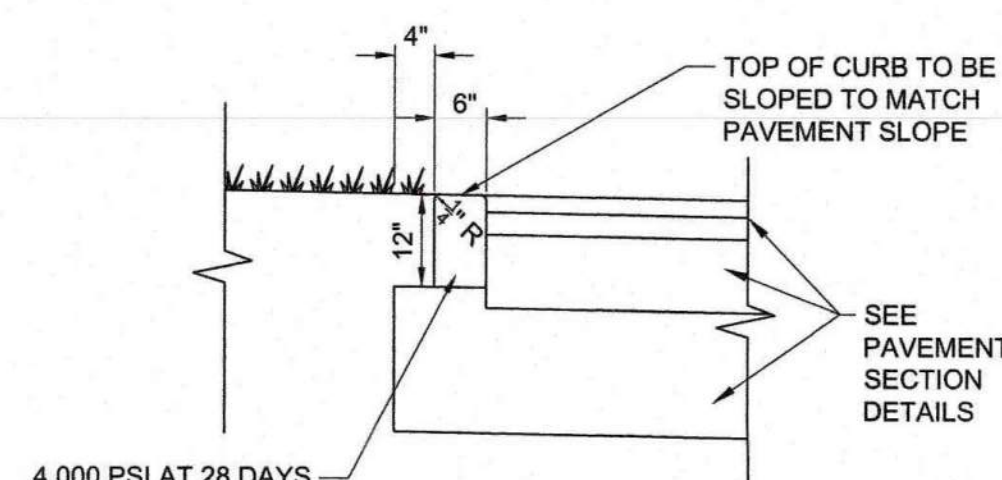


7 CONCRETE WHEELSTOP
CS501/ SCALE: NTS



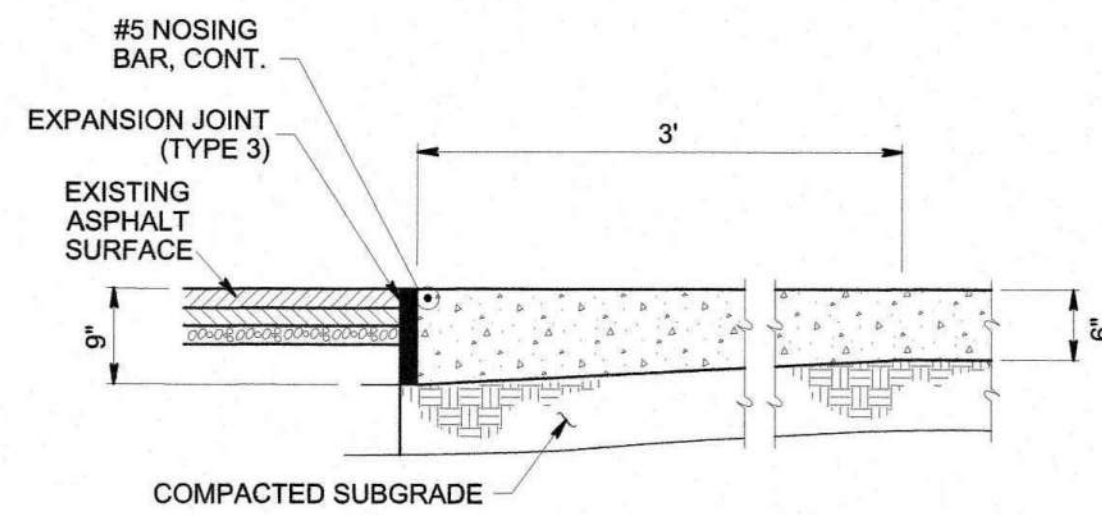
- NOTES:
1. PROVIDE 2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 10 FEET.
 2. EXPANSION JOINTS ARE REQUIRED EVERY 40 FEET.
 3. EXPANSION JOINT SHALL BE CONSTRUCTED OF FIBER MESH MATERIAL, A MINIMUM OF 1/2" THICK, AND CUT TO THE SAME CROSS SECTION AS THE CURB.

10 HEADER CURB DETAIL
CS501/ SCALE: NTS



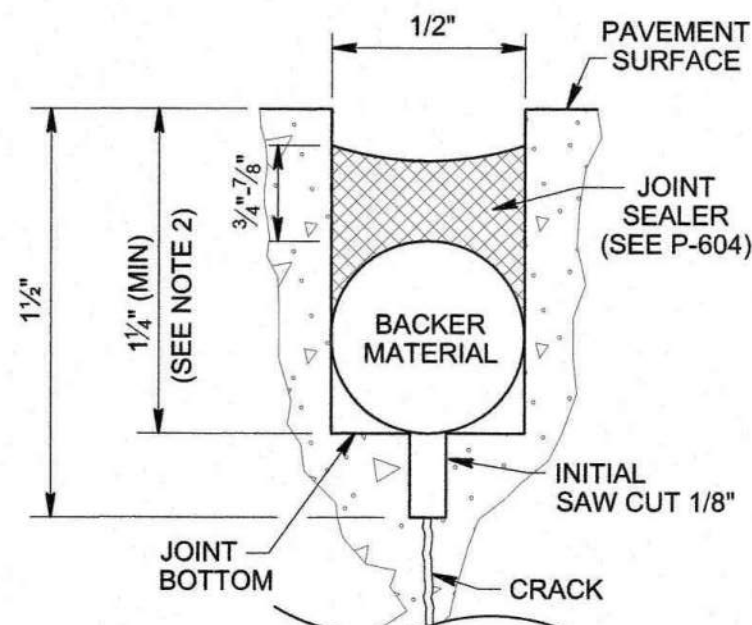
- NOTES:
1. EXPANSION JOINTS SHALL BE SPACED AT 50' O.C. SEE TYPICAL EXPANSION JOINT DETAILS.
 2. PROVIDE 1/2" - 3/4" CONTRACTION JOINTS AT 10' ON CENTER. JOINTS ADJACENT TO CONCRETE PAVEMENT (E.G. SIDEWALK) TO MATCH PAVEMENT JOINTS.
 3. EXACT CURB DIMENSIONS MAY BE ALTERED SLIGHTLY TO FIT STANDARD EXTRUDED CURB MACHINES.
 4. SEE TYPICAL PAVEMENT DETAIL FOR PAVEMENT INFORMATION. STABILIZED SUBGRADE SHALL EXTEND UNDER RIBBON CURB.
 5. CONTRACTOR TO PROVIDE PRIME COAT AND TACK COAT TO FACE OF CURB WHERE CURB CONTACTS ASPHALT.

11 RIBBON CURB
CS501/ SCALE: NTS

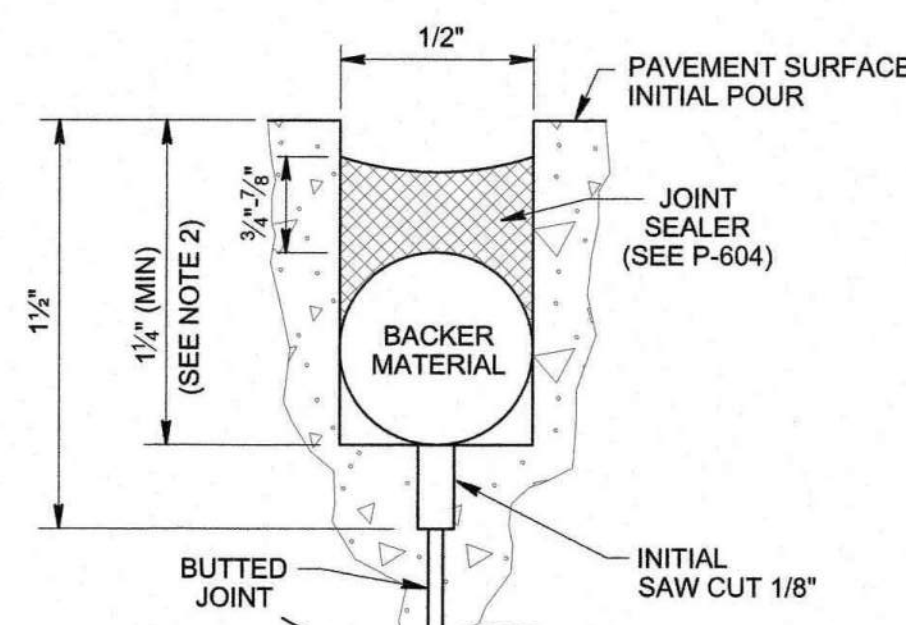


THICKENED EDGE DETAIL
NOT TO SCALE

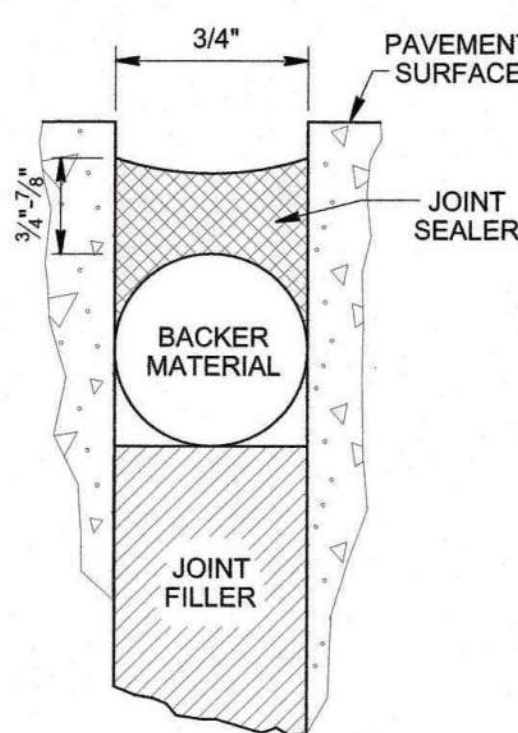
CONTRACTION JOINT
TYPE 1



CONSTRUCTION JOINT
TYPE 2



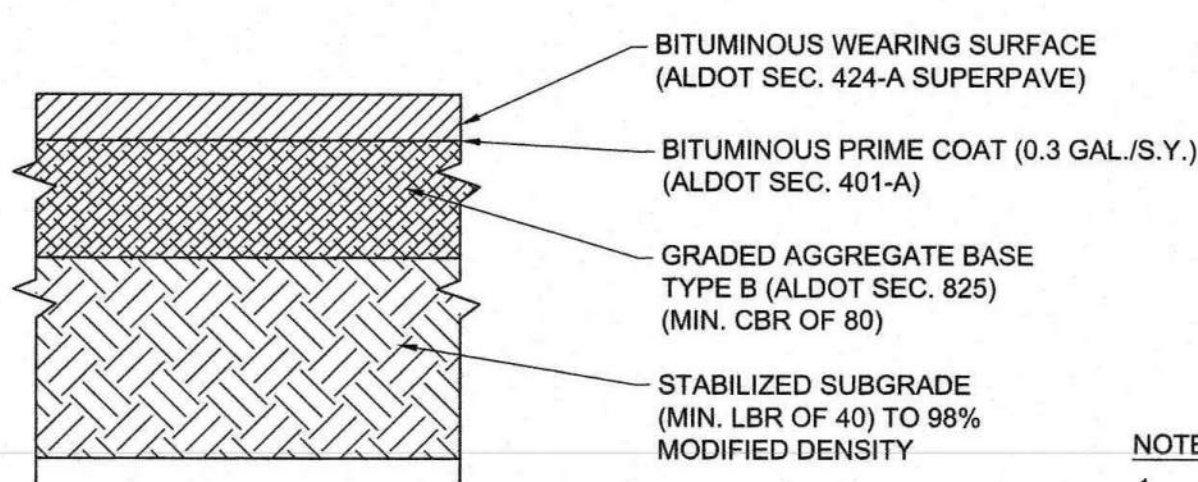
EXPANSION JOINT
TYPE 3



JOINT SEALANT DETAILS
NOT TO SCALE

- NOTES:
1. TOP OF SEALANT TO BE 1/2" BELOW TOP OF PAVEMENT.
 2. SEALANT RESERVOIR TO BE SIZED TO PROVIDE PROPER SHAPE FACTOR IN ACCORDANCE WITH SEALANT MANUFACTURER'S RECOMMENDATIONS. MINIMUM DIMENSIONS SHOWN.

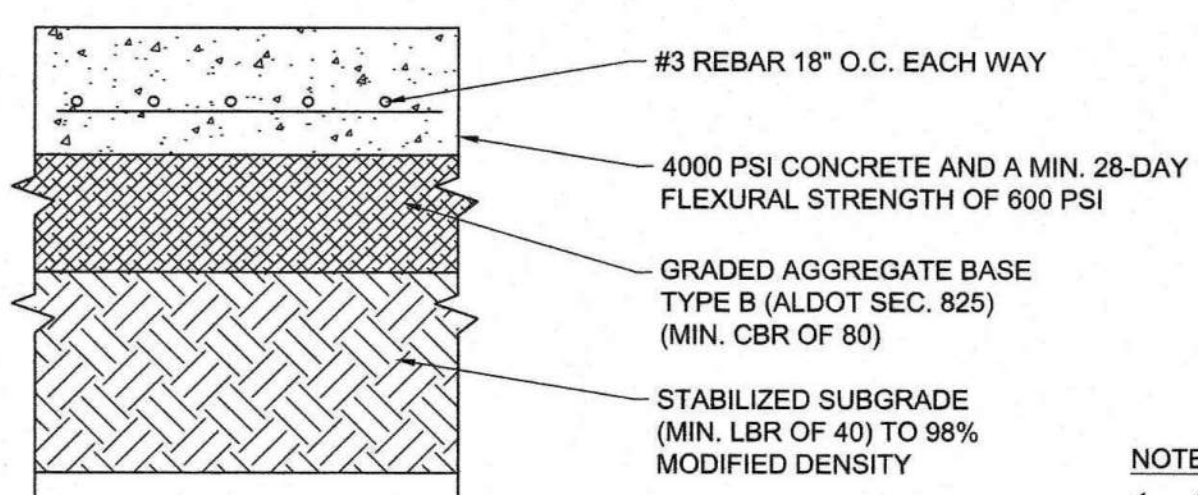
2 JOINT DETAILS
CS501/ SCALE: NTS



PAVEMENT LAYER	THICKNESS
WEARING SURFACE	2"
GRADED AGGREGATE BASE	6"
STABILIZED SUBGRADE	12"

- NOTES:
1. ASPHALTIC CONCRETE SURFACE MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
 2. THICKNESS REFERS TO FINAL COMPACTED THICKNESS.
 3. ALTERNATE IN LIEU OF THE 6" GRADED AGGREGATE BASE LAYER, A 9" LAYER OF ALDOT TYPE B SAND-CLAY BASE (MIN. CBR=40) MAY BE USED.

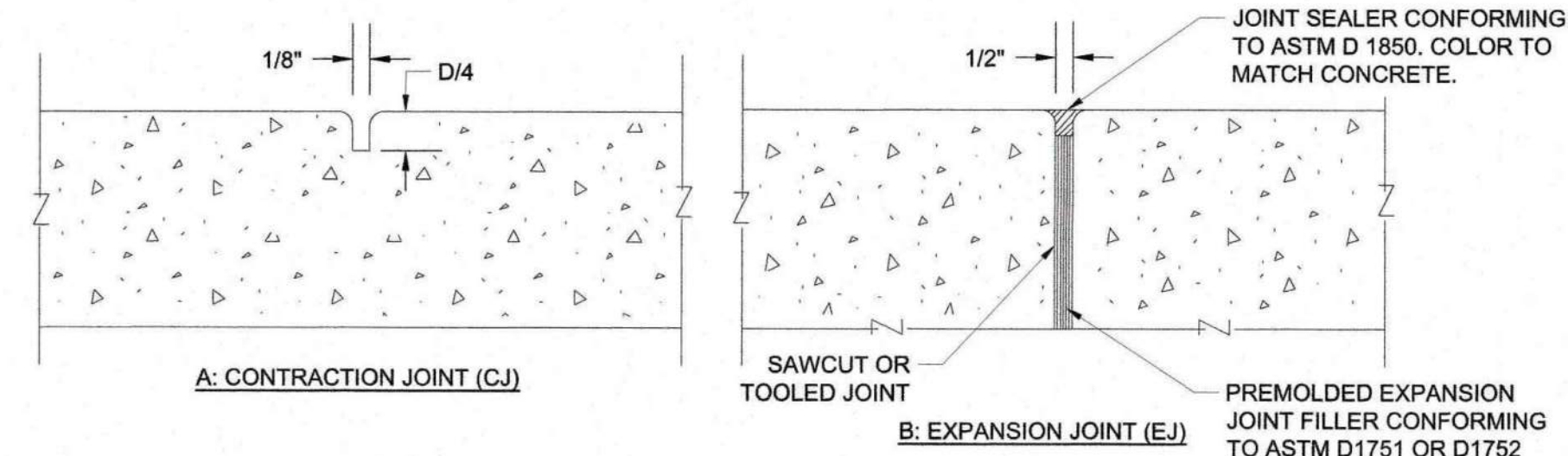
6 ASPHALT PAVEMENT DETAIL
CS501/ SCALE: NTS



PAVEMENT LAYER	THICKNESS
CONCRETE	7"
GRADED AGGREGATE BASE	6"
STABILIZED SUBGRADE	12"

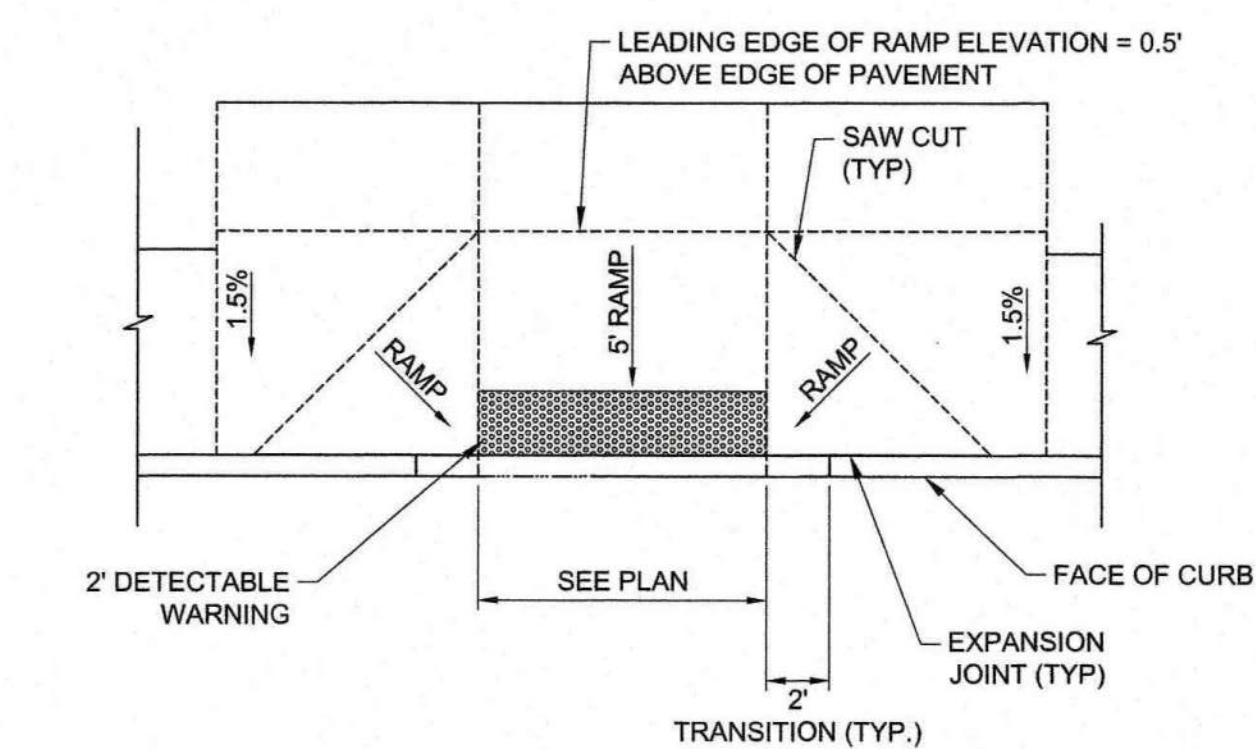
- NOTES:
1. CONCRETE PAVEMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
 2. THICKNESS REFERS TO FINAL COMPACTED THICKNESS.
 3. MAXIMUM CONTROL JOINT SPACING 12' X 12'.
 4. THICKENED EDGE SHALL ABUT ALL ADJACENT PAVEMENTS.
 5. (ALTERNATE) IN LIEU OF THE 6" GRADED AGGREGATE BASE LAYER, A 9" LAYER OF ALDOT TYPE B SAND-CLAY BASE (MIN. CBR=40) MAY BE USED.

8 HEAVY DUTY CONCRETE PAVEMENT (ON SITE ONLY)
CS501/ SCALE: NTS

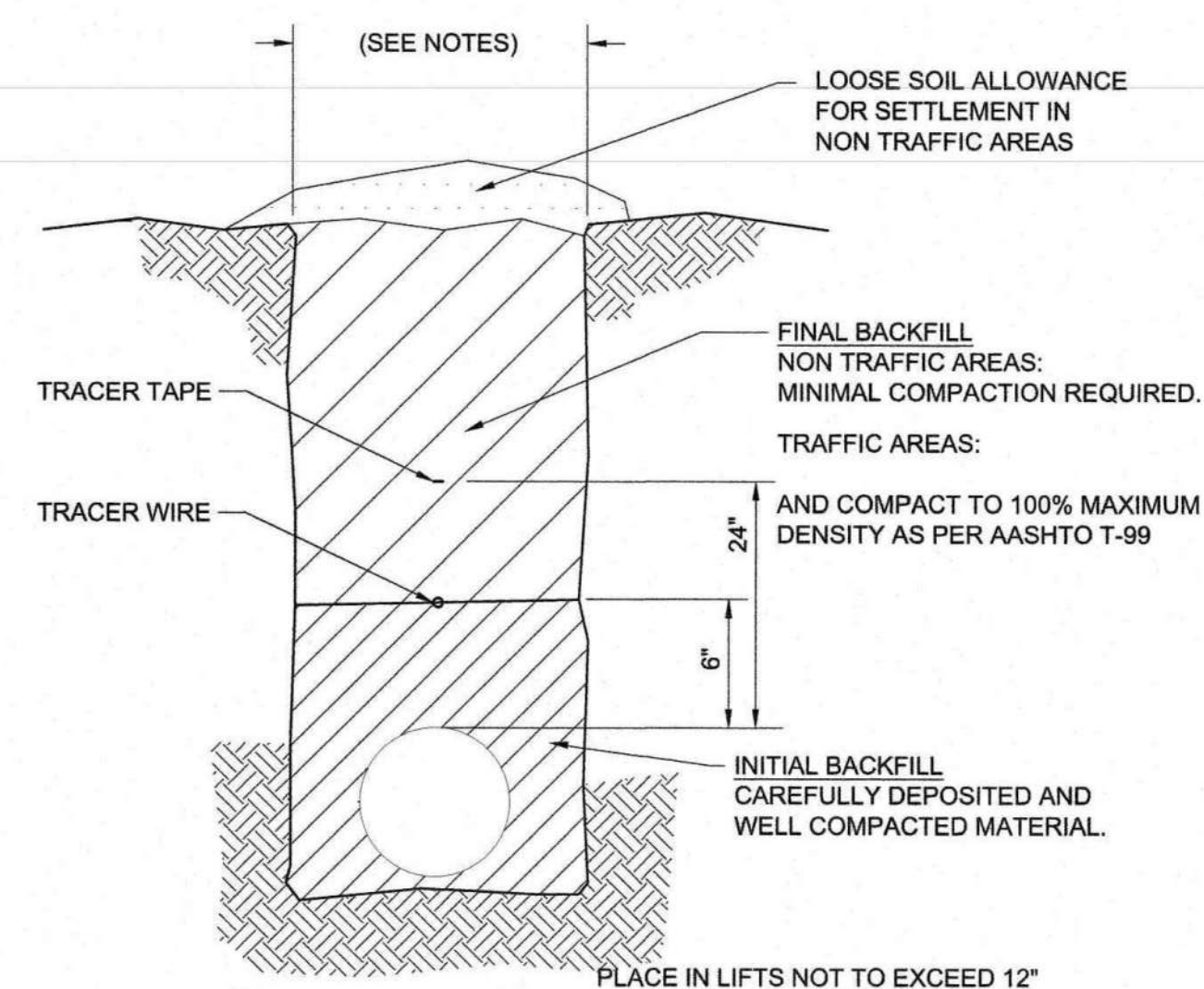


- NOTES:
1. PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT APPROX. 30' CENTERS AND WHERE PAVEMENT ABUTS CURB, WALL OR OTHER STRUCTURE.
 2. CONTRACTION JOINTS (1/8" WIDE BY D/4 DEEP) SHALL BE EQUALLY SPACED BETWEEN THE EXPANSION JOINTS, 5' MAXIMUM CENTERS UNLESS OTHERWISE NOTED.
 3. EXPANSION JOINTS SHALL BE SEALED WITH CAULKING IN ACCORDANCE WITH ACI REQUIREMENTS.
 4. INSTALL CONSTRUCTION JOINTS AT THE END OF EACH DAY'S PAVING OPERATION AND AT OTHER POINTS WHERE PAVING IS DISCONTINUED LONG ENOUGH FOR CONCRETE TO SET. LOCATE CONSTRUCTION JOINTS IN PLACE OF CONTRACTION JOINTS.

3 EXPANSION / CONTRACTION JOINT
CS501/ SCALE: NTS



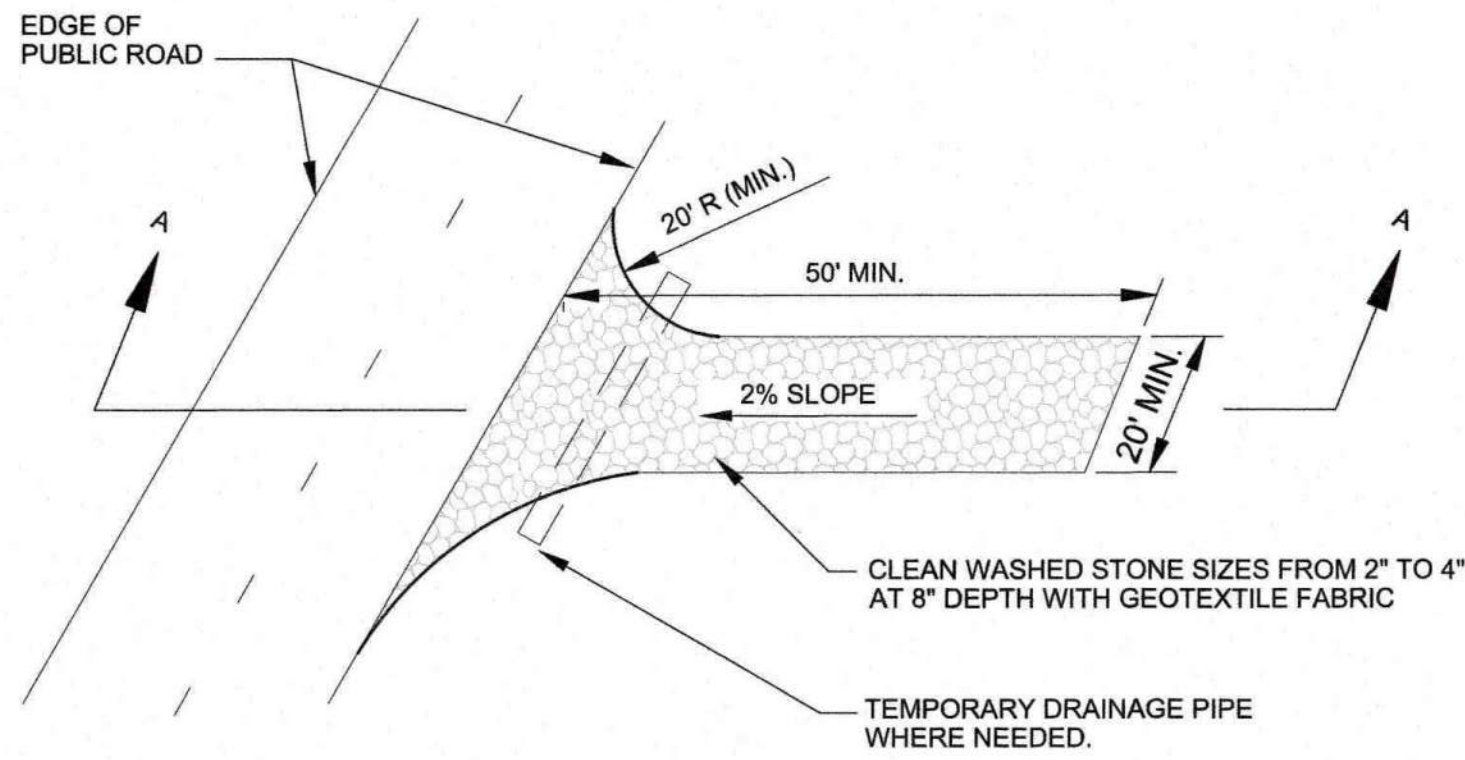
4 PERPENDICULAR CURB RAMP
CS501/ SCALE: NTS



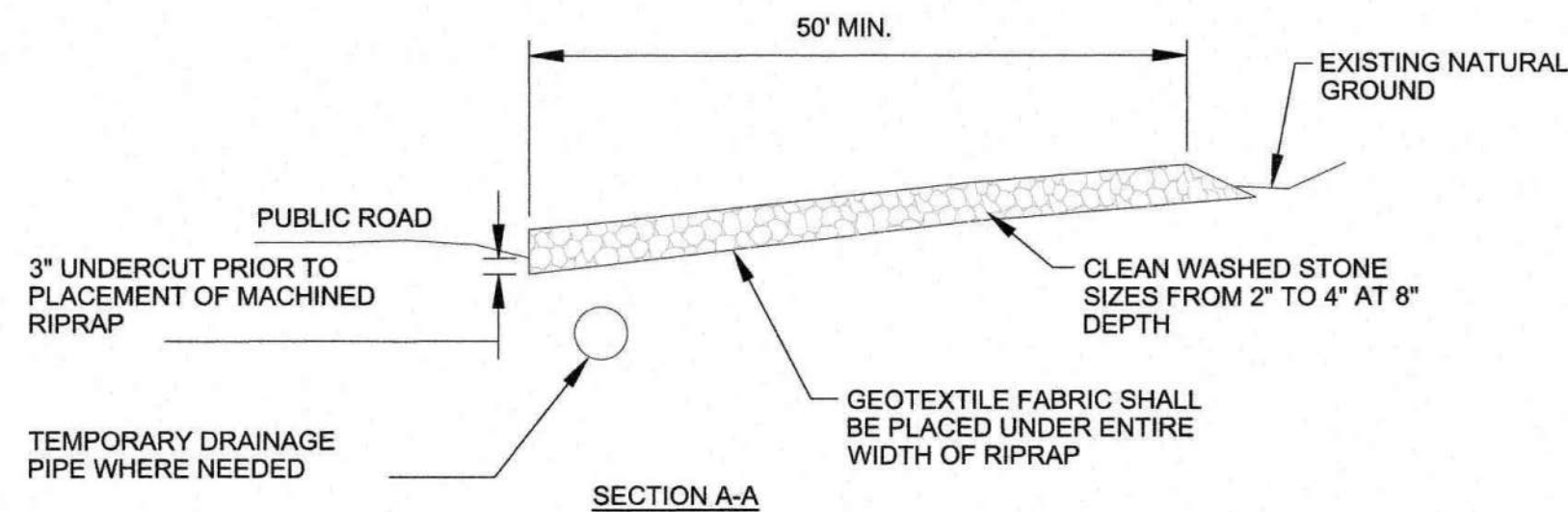
- NOTES:
1. THE WIDTH OF THE TRENCH AT ANY POINT BELOW 6" ABOVE THE TOP OF THE PIPE SHALL BE SUFFICIENT TO PROVIDE ADEQUATE ROOM FOR JOINING THE PIPE AND FILLING AND COMPACTING THE SIDE FILLS. HOWEVER, IN NO CASE SHALL THIS WIDTH EXCEED THE OUTSIDE PIPE DIAMETER PLUS 2'-0".
 2. THE TRENCH EXCAVATION FROM 6" ABOVE THE TOP OF THE PIPE MAY BE AS WIDE AS NECESSARY EXCEPT AS RESTRICTED BY THE LIMITS OF THE RIGHT-OF-WAY OR EASEMENT AND AS REQUIRED TO PROTECT EXISTING STRUCTURES AND CONDUITS.
 3. INITIAL BACKFILL - GENERALLY, MATERIAL OBTAINED FROM THE TRENCH EXCAVATION. SOIL TYPES OF HIGHLY ORGANIC SOILS OR HIGHLY PLASTIC EXPANSIVE CLAYS SHALL NOT BE USED. INITIAL BACKFILL SHALL BE COMPACTED TO UNIFORMLY DEVELOP LATERAL SOIL FORCES DURING THE BACKFILL OPERATION.
 4. FINAL BACKFILL - GENERALLY, MATERIAL OBTAINED FROM THE TRENCH EXCAVATION
 5. SEE SPECIFICATIONS FOR COMPACTION AND TESTING REQUIREMENTS ON FINAL BACKFILL.
 6. TRACER WIRE OR TRACER TAPE SHALL BE IN ACCORDANCE WITH CITY REQUIREMENTS.

9 TRENCH DETAIL - TYPICAL
CS501/ SCALE: NTS

REV.	DR.	CHK.	DATE	DESCRIPTION
0	JJ	LP	03/03/2024	ISSUED FOR BID



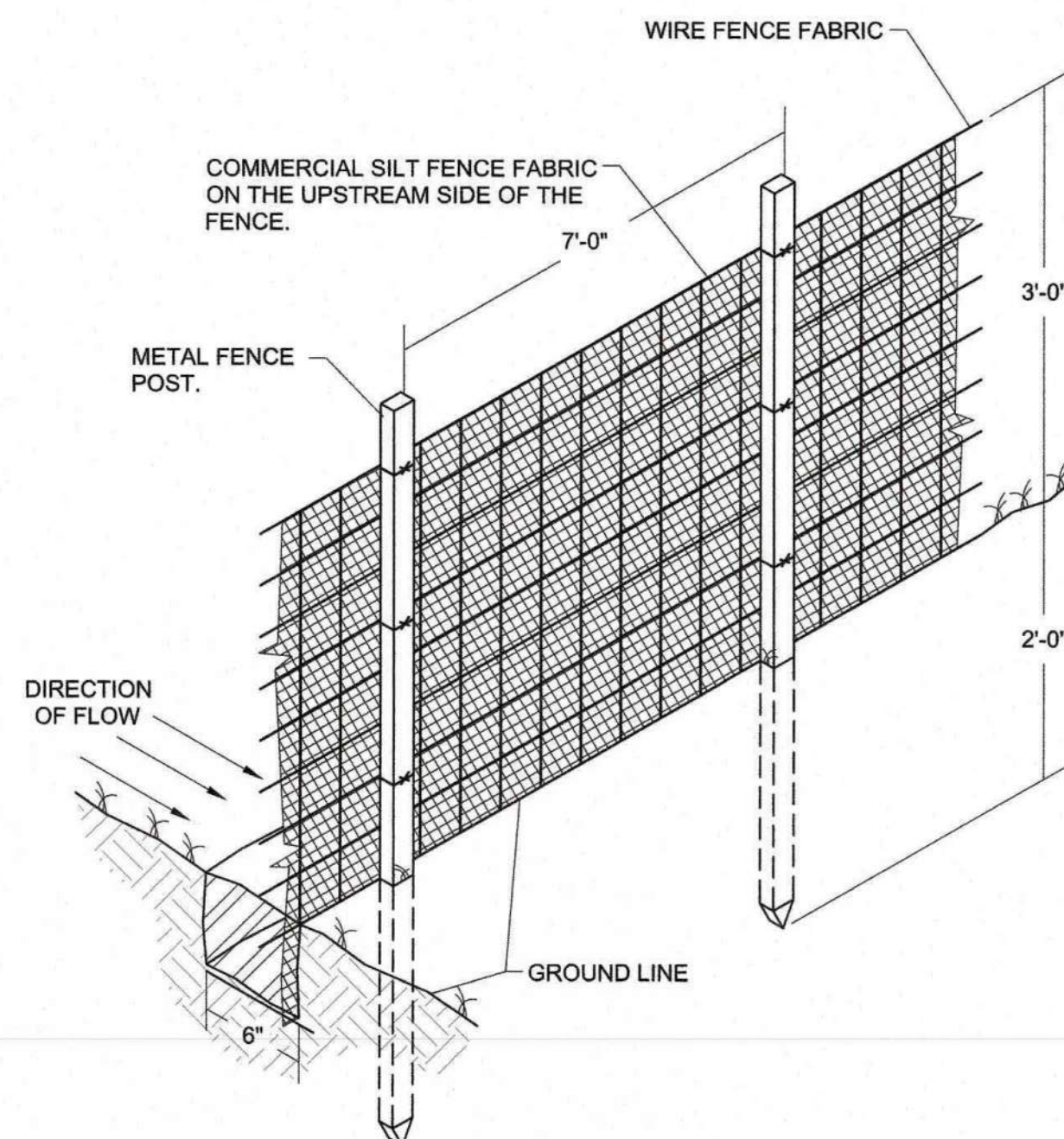
PLAN VIEW OF TEMPORARY CONSTRUCTION EXIT



NOTES:

1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 2 INCH TO 4 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 8 INCHES.
4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE EXIT WHERE INGRESS OR EGRESS OCCURS OR 20 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FABRIC SHALL BE 12 OZ./S.Y. NON-WOVEN.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

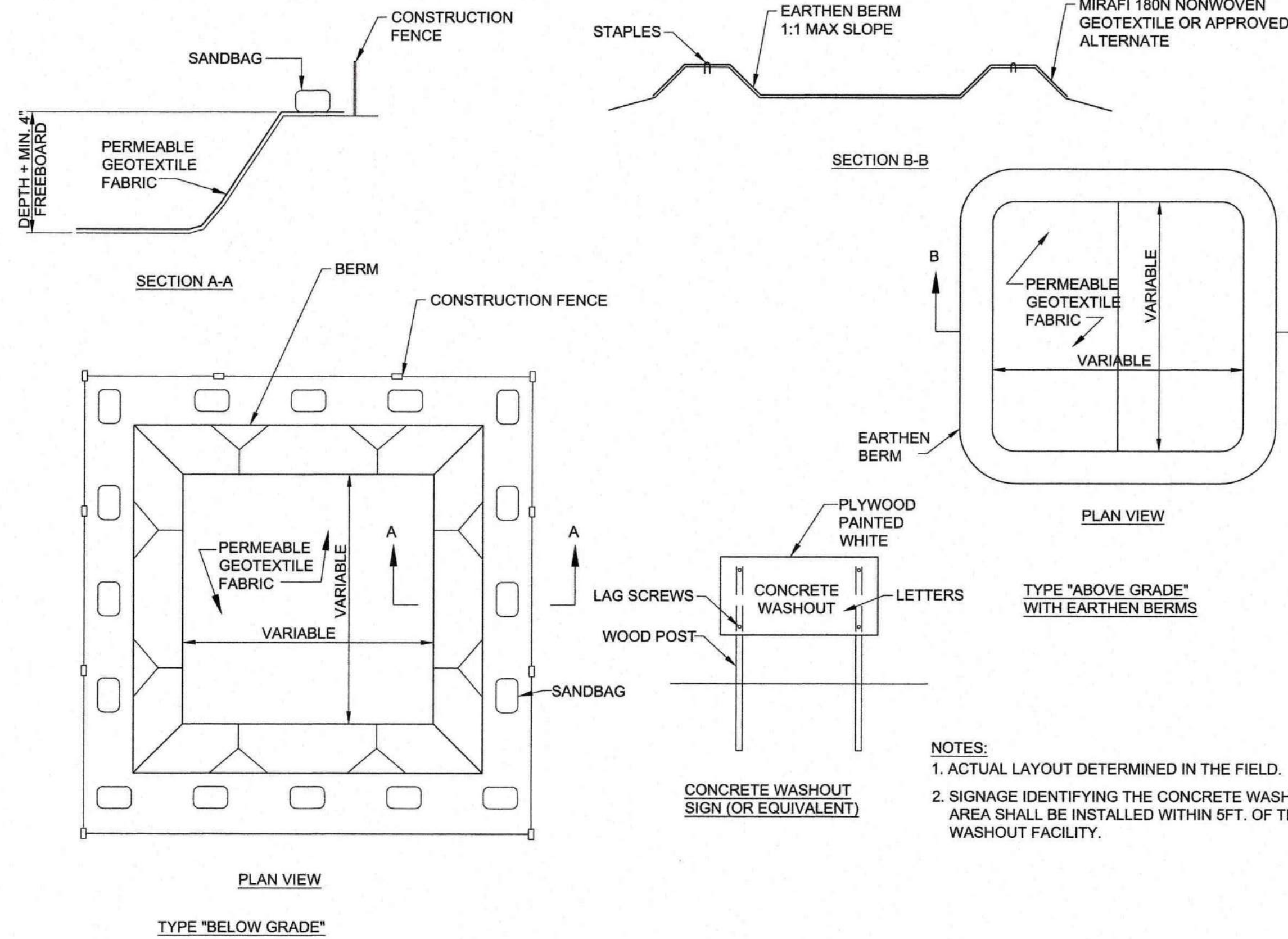
1 CONSTRUCTION EXIT
CS502 SCALE: NTS



NOTES:

1. EXCAVATE THE TRENCH 6\"/>

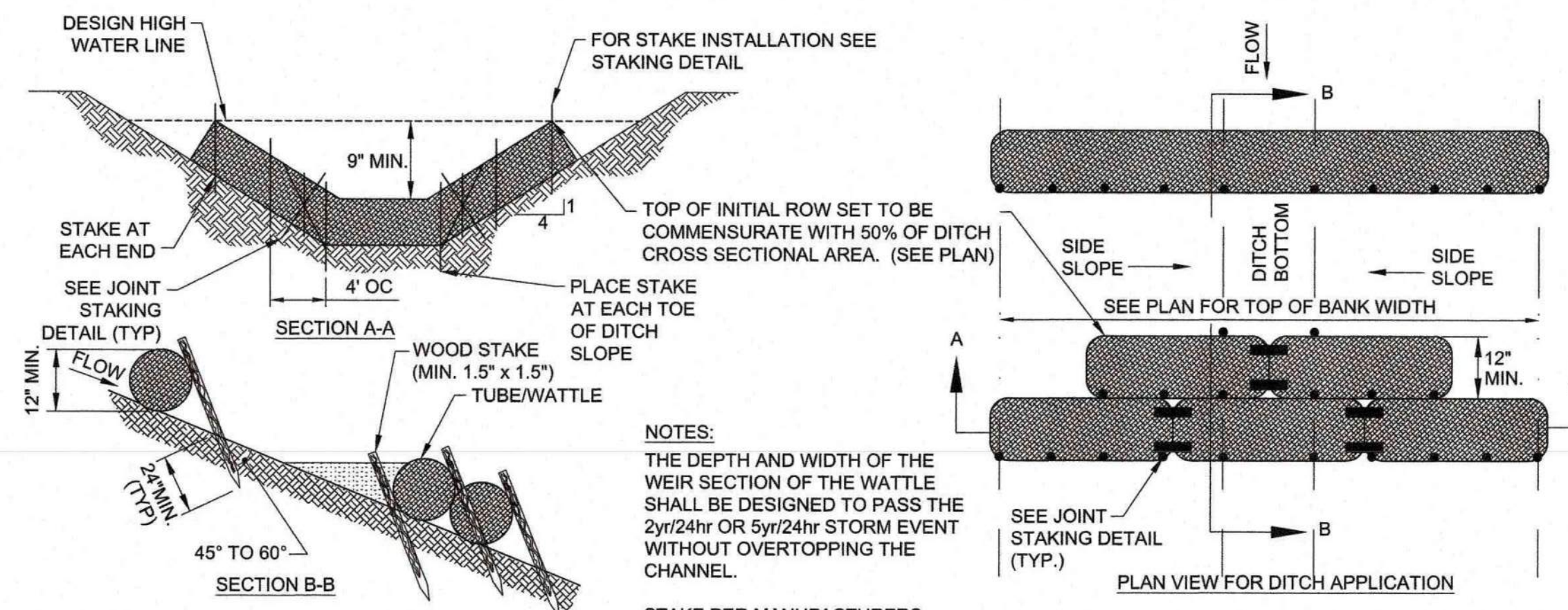
3 SILT FENCE
CS502 SCALE: NTS



NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. SIGNAGE IDENTIFYING THE CONCRETE WASHOUT AREA SHALL BE INSTALLED WITHIN 5 FT. OF THE WASHOUT FACILITY.

2 CONCRETE WASHOUT
CS502 SCALE: NTS

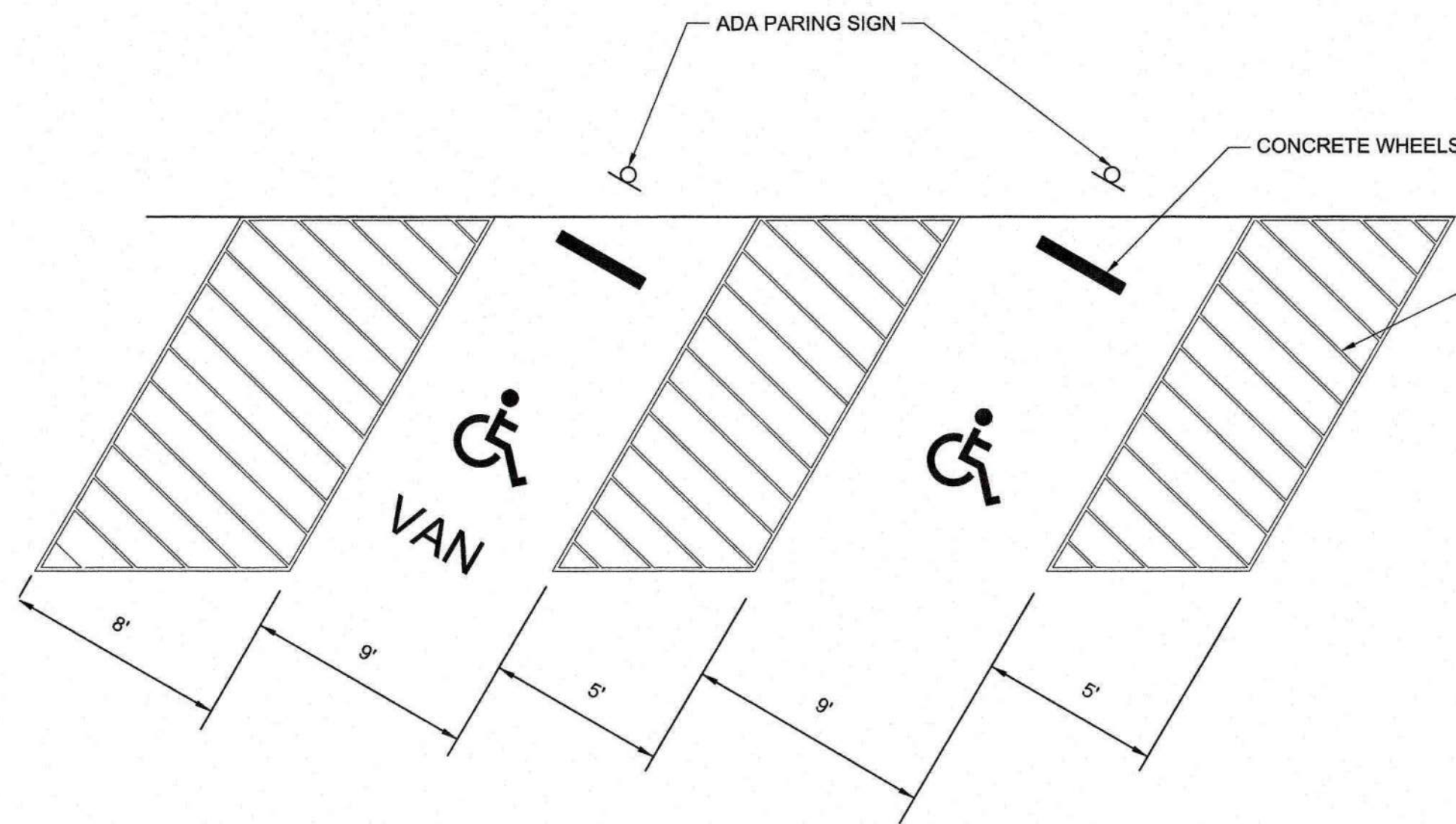


NOTES:

- THE DEPTH AND WIDTH OF THE WEIR SECTION OF THE WATTLE SHALL BE DESIGNED TO PASS THE 2yr/24hr OR 5yr/24hr STORM EVENT WITHOUT OVERTOPPING THE CHANNEL.

STAKE PER MANUFACTURERS RECOMMENDATIONS.

4 TUBE & WATTLE CHECK DAM
CS502 SCALE: NTS



NOTE: STRIPING AND PAVEMENT MARKINGS SHALL BE BLUE

1 ACCESSIBLE PARKING DETAIL
CS503 SCALE: NTS

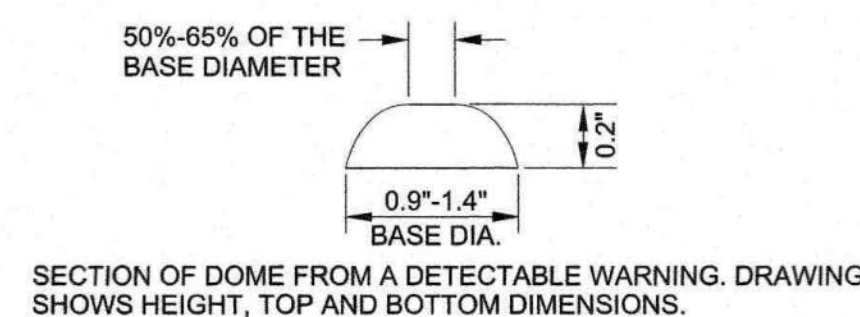


FIGURE 2- DOME SPACING
PLAN AND SECTION VIEWS OF DETECTABLE WARNING DOMES AND THEIR RELATIVE SPACING ON THE X AND Y AXIS.

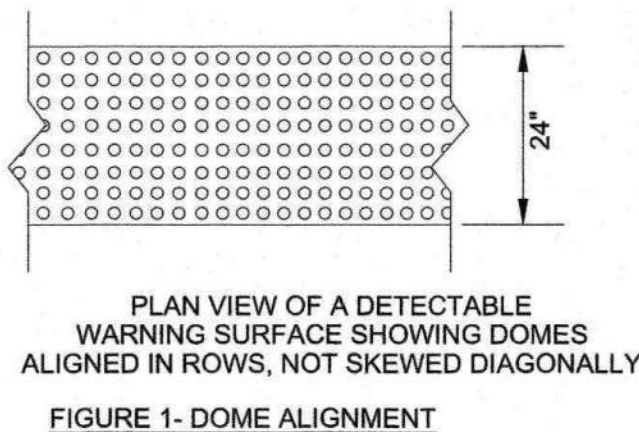
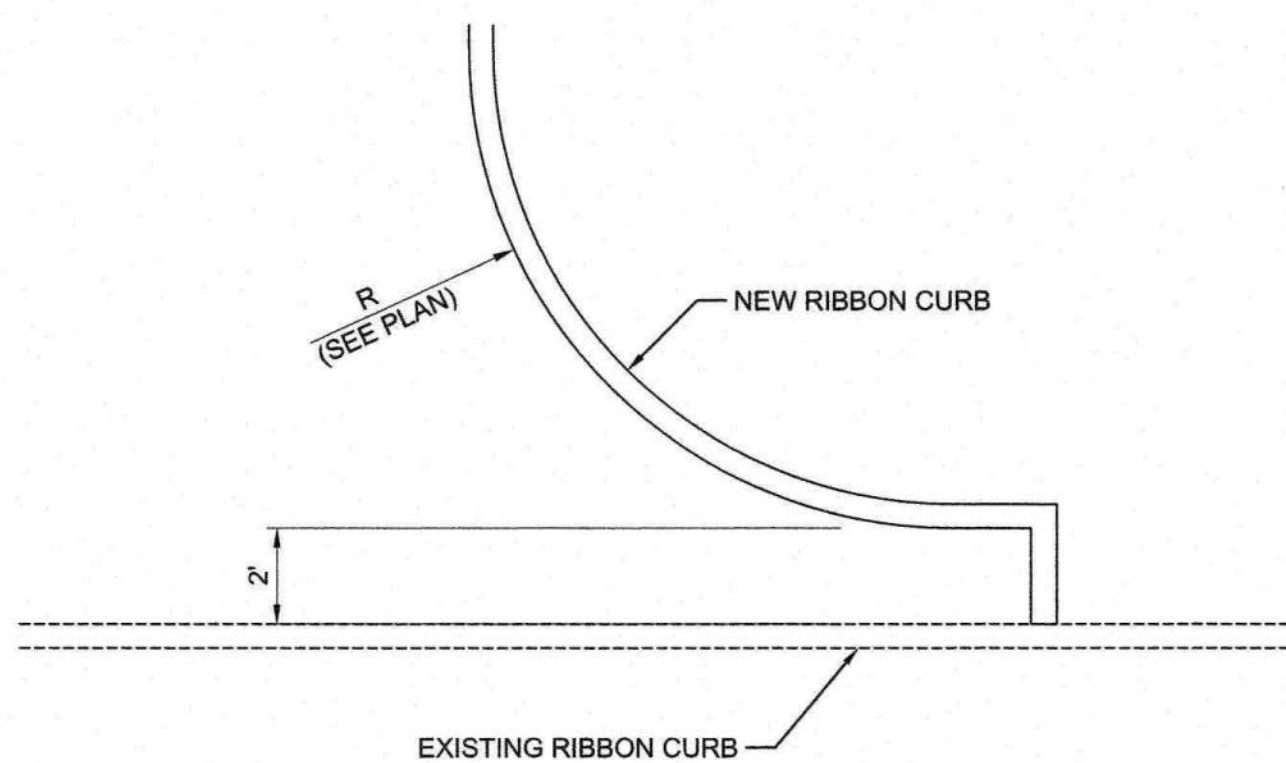


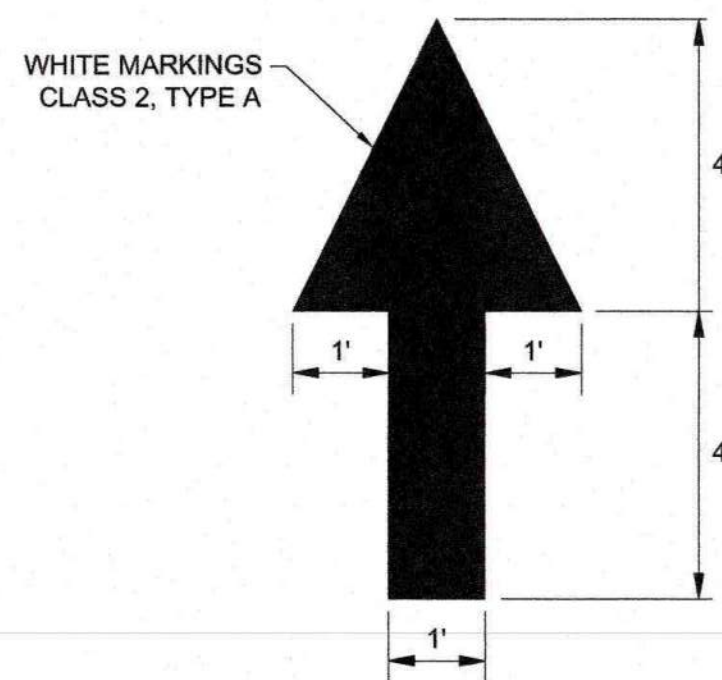
FIGURE 1- DOME ALIGNMENT

- SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
- LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD.
- DOMES SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM AND 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH. A CENTER-TO-CENTER DOME SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
- DOMES ALIGNMENT: DOMES SHALL BE ALIGNED IN A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
- VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT OR THE DETECTABLE WARNING SHALL BE "SAFETY YELLOW". THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE (OWNER MUST APPROVE COLOR PRIOR TO ORDERING.)
- MATERIAL: COMPOSITE TILES AT A NOMINAL DEPTH OF 0.4 INCH MAY BE USED OR 4 INCH BY 8 INCH CONCRETE PAVERS AT 2.4 INCHES DEEP PLACED IN A BASKET WEAVE PATTERN.

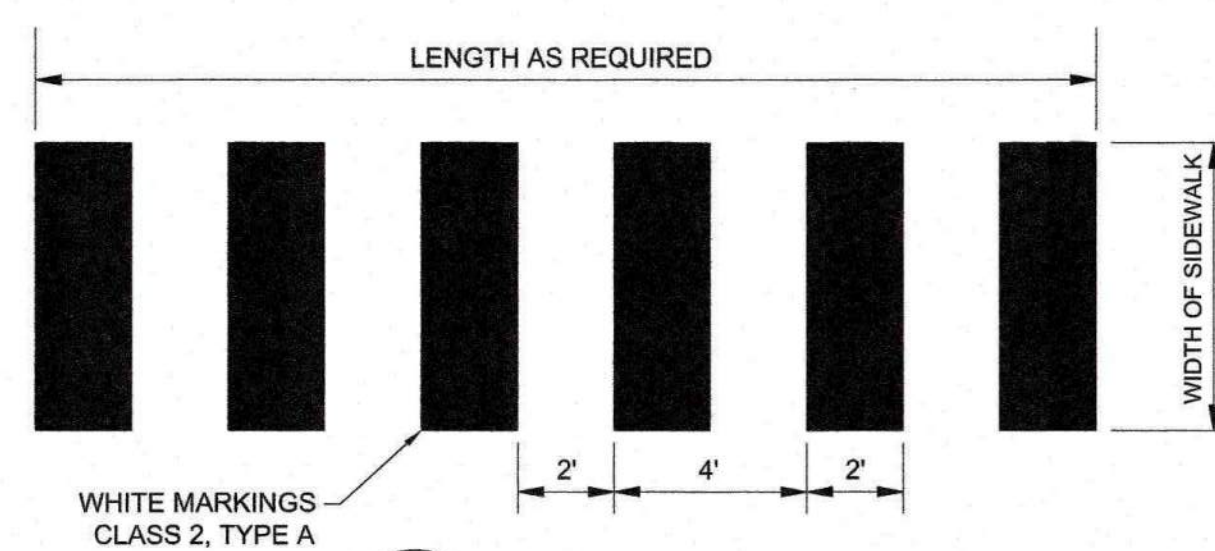
2 DETECTABLE WARNING DETAIL
CS503 SCALE: NTS



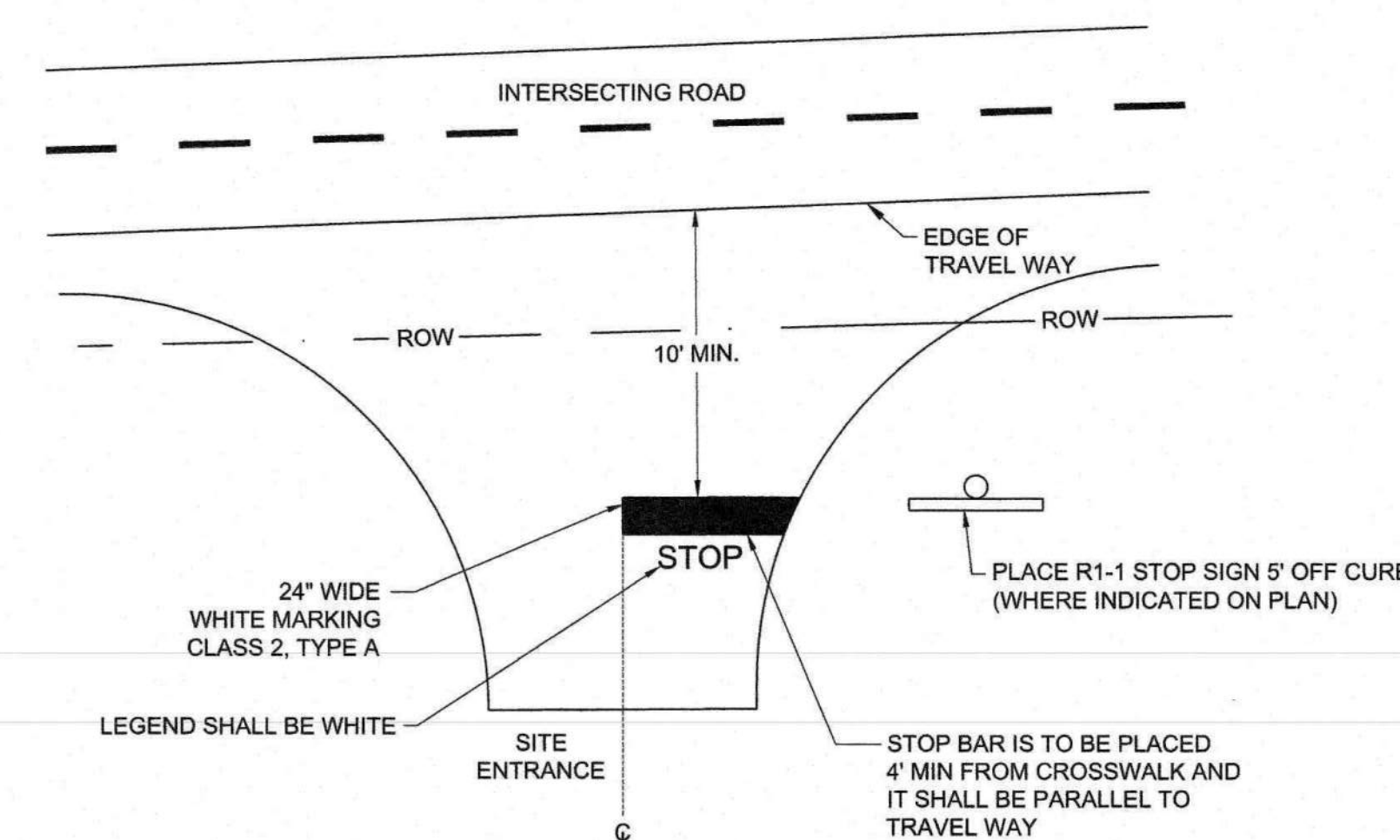
5 RIBBON CURB CONNECTION IN R.O.W.
CS503 SCALE: NTS



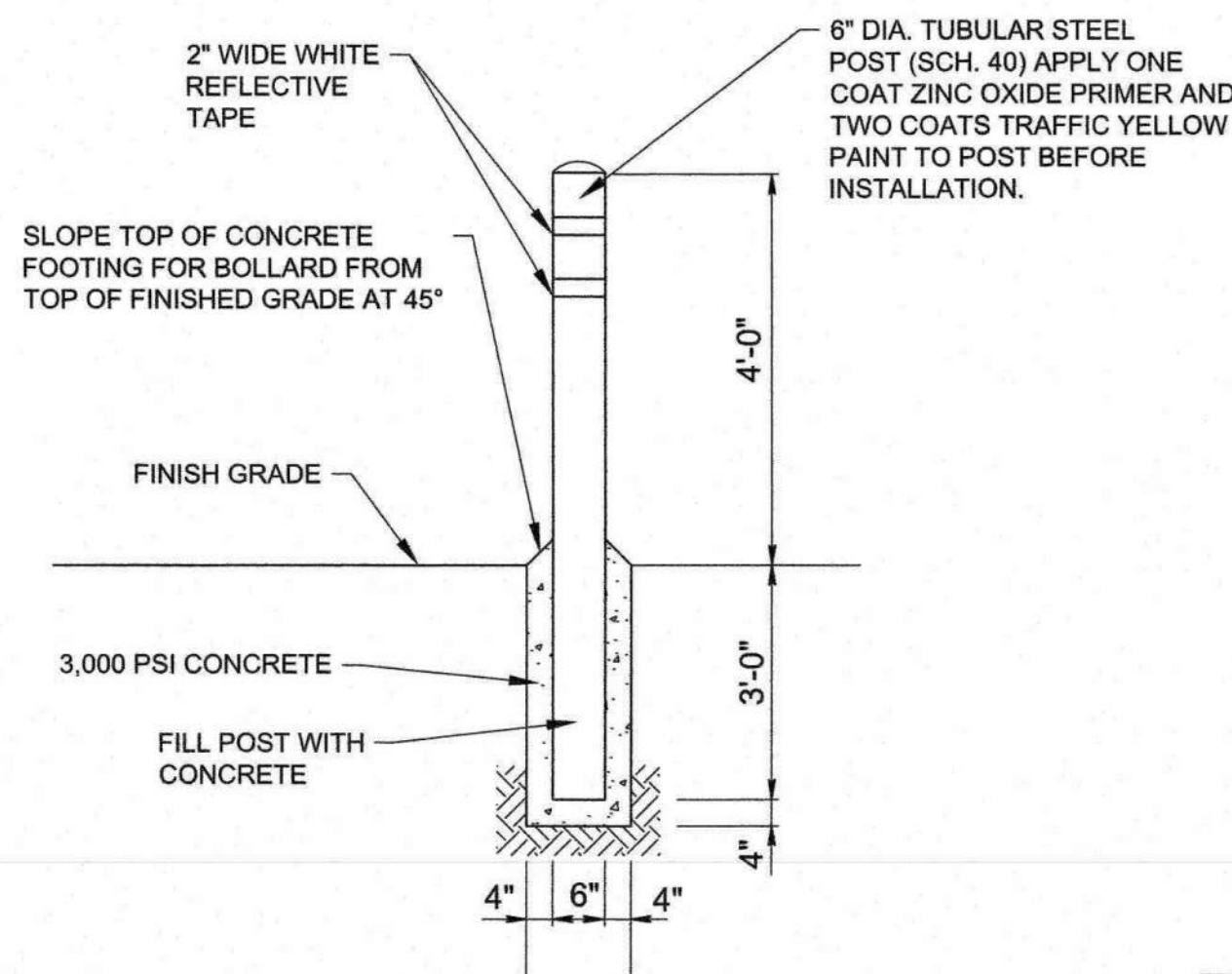
6 TRAFFIC ARROW
CS502 SCALE: NTS



7 CROSSWALK STRIPING
CS503 SCALE: NTS

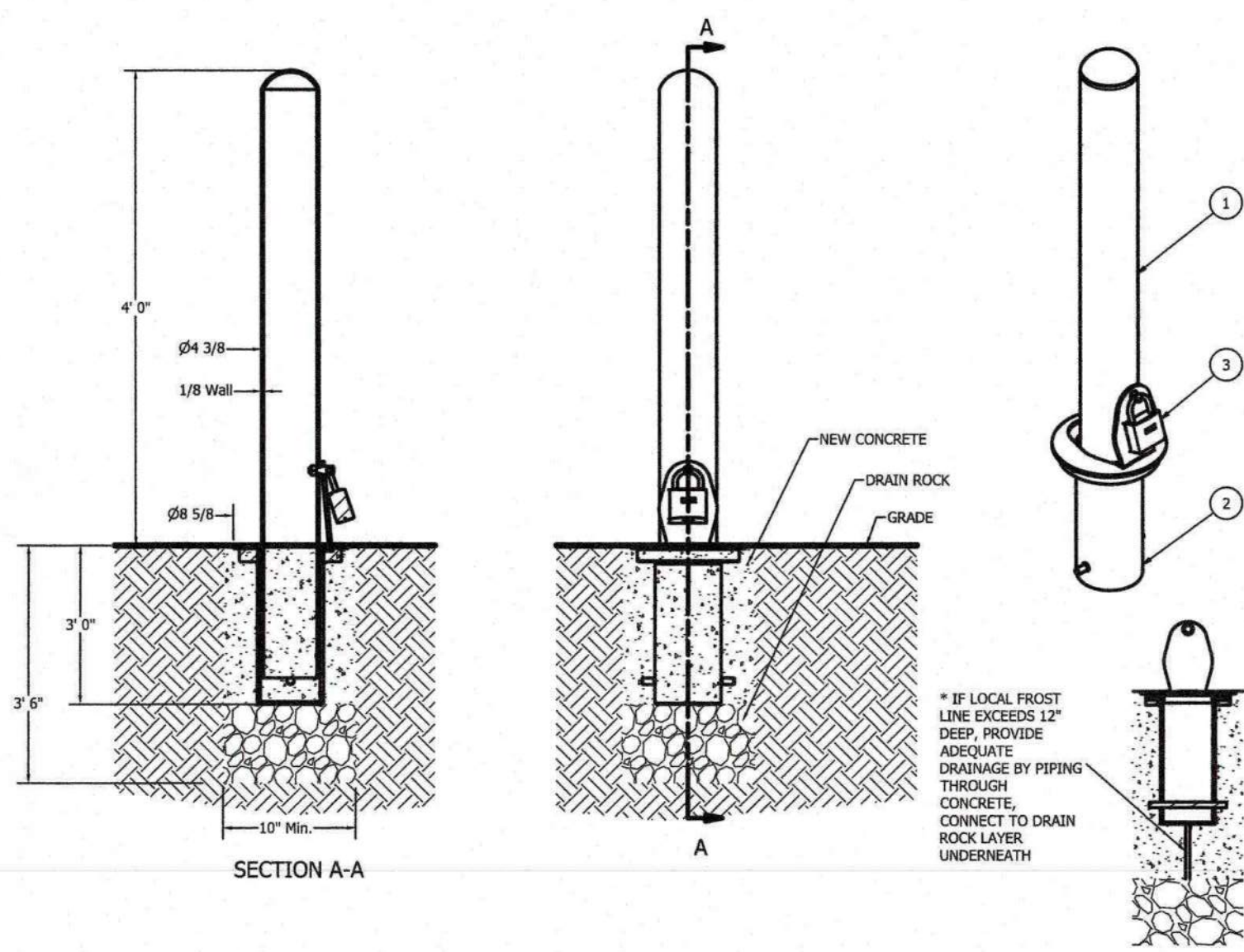


8 STOP BAR DETAIL
CS503 SCALE: NTS



- NOTES:
- SPACING AT MECHANICAL UNITS SHALL BE 3' MIN.

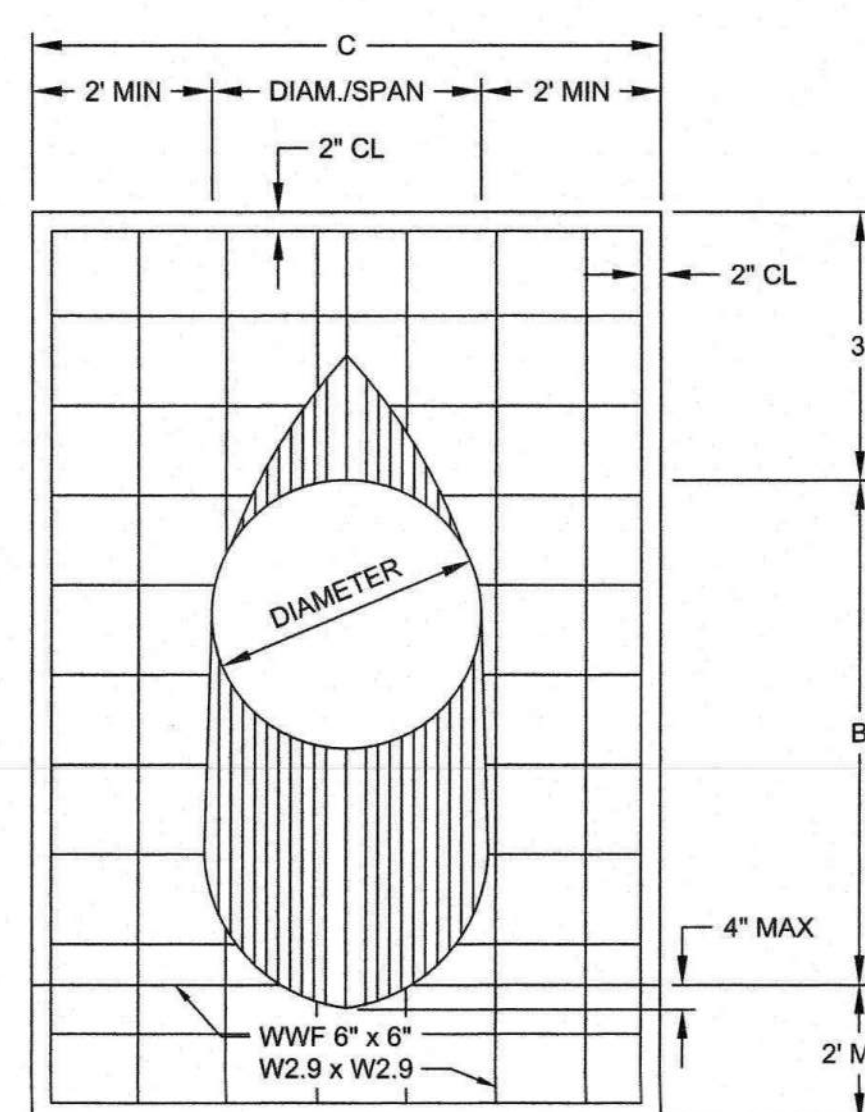
9 PERMANENT BOLLARD
CS503 SCALE: NTS



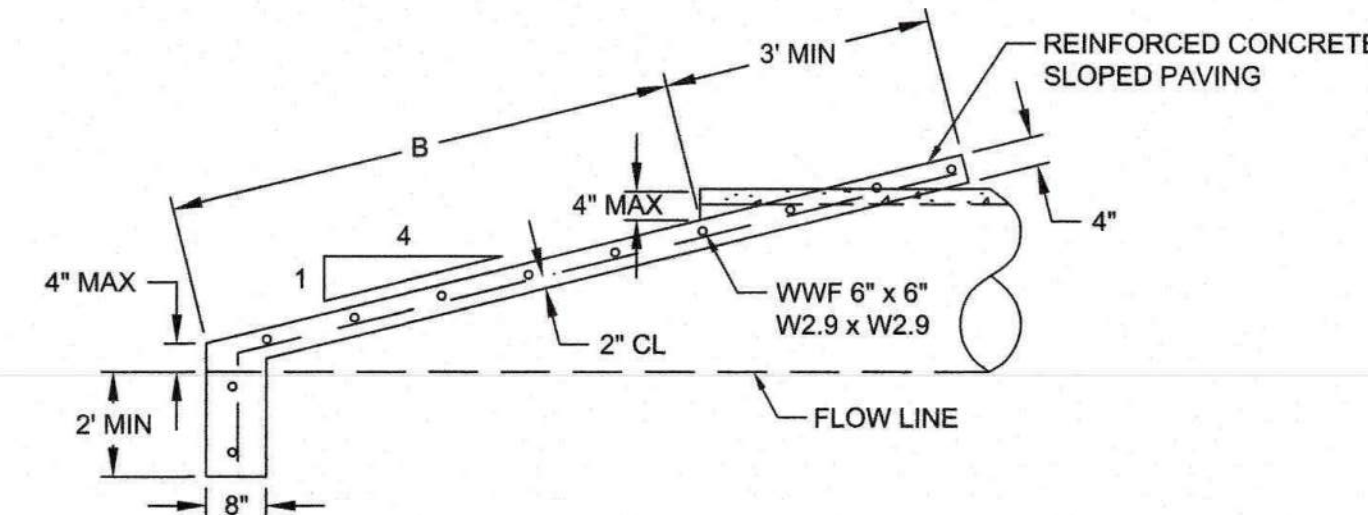
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7901 Removable Bollard	R7901 Removable Bollard Assembly	Steel Powder Coated	33 lbs
2	1	R7901R Receiver	R7901R Receiver Assembly w/ Lid	Galvanized Steel w/ 316 Stainless Steel Cover	24 lbs
3	1	Padlock (Optional)	Optional Padlock (Brass or Stainless Steel)	Choice of Brass or Stainless Steel	5/8 lbs

- NOTES:
- SPACING SHALL HAVE 6' SEPARATION.

10 REMOVABLE BOLLARD
CS503 SCALE: NTS

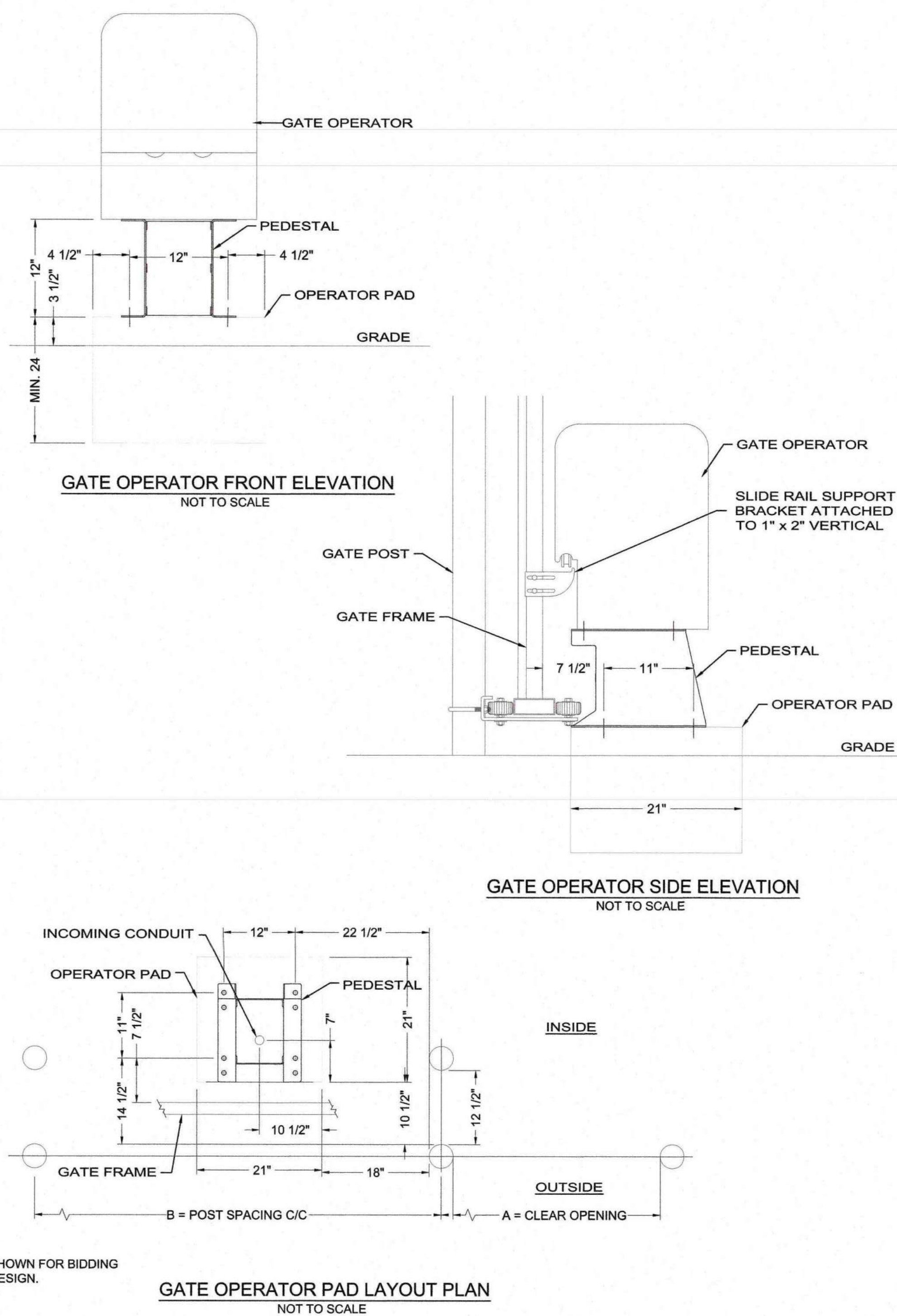
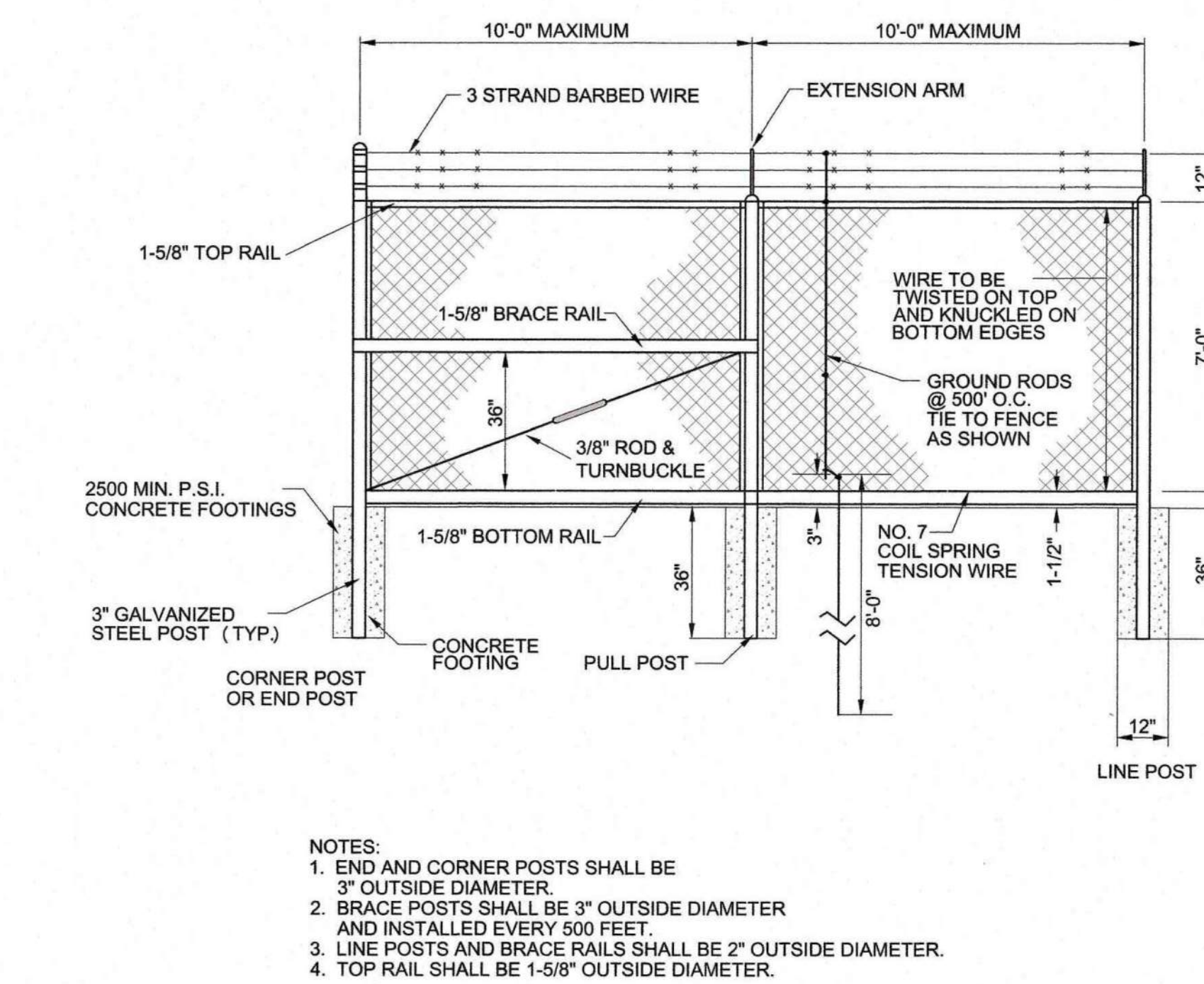
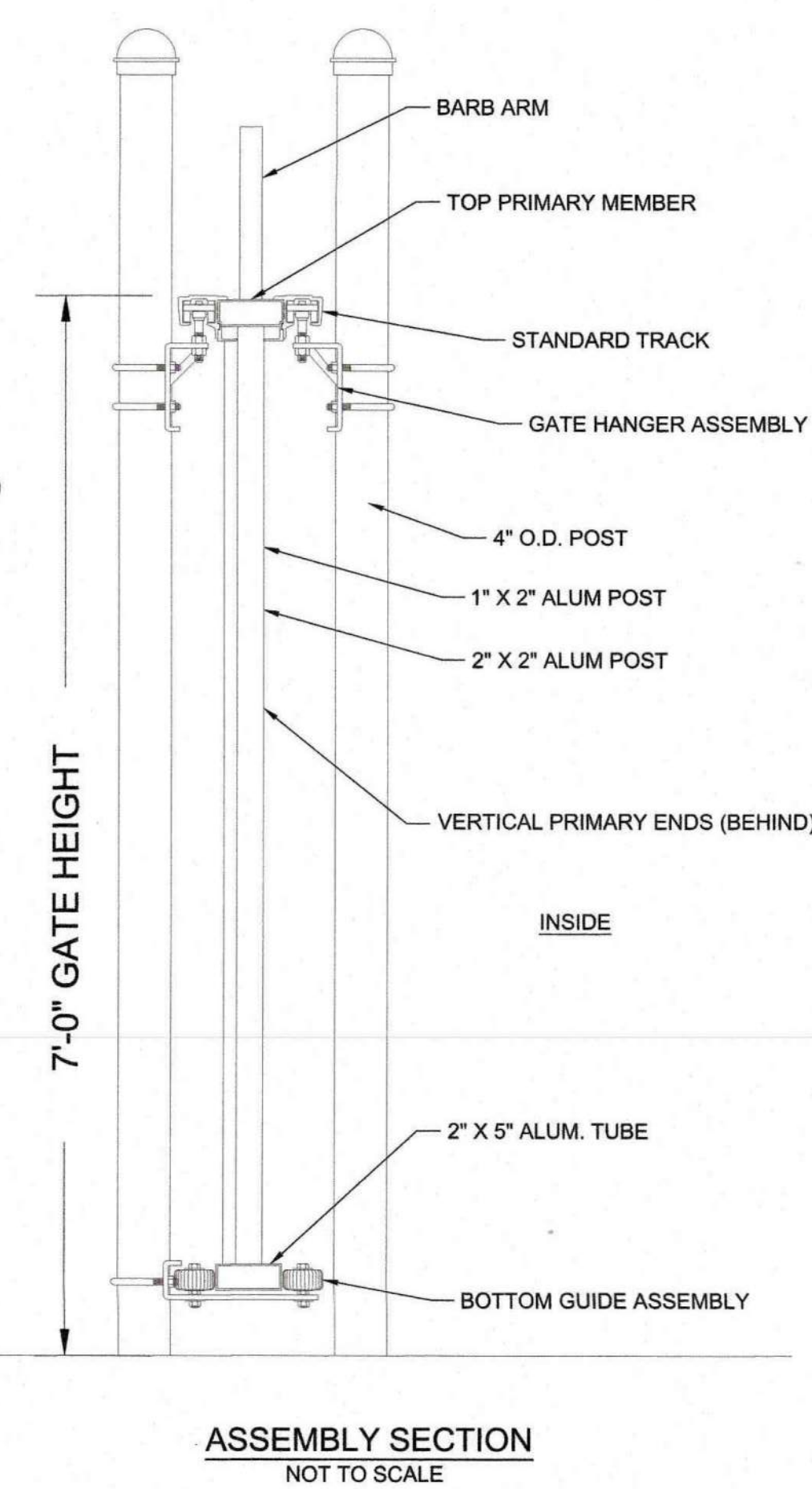


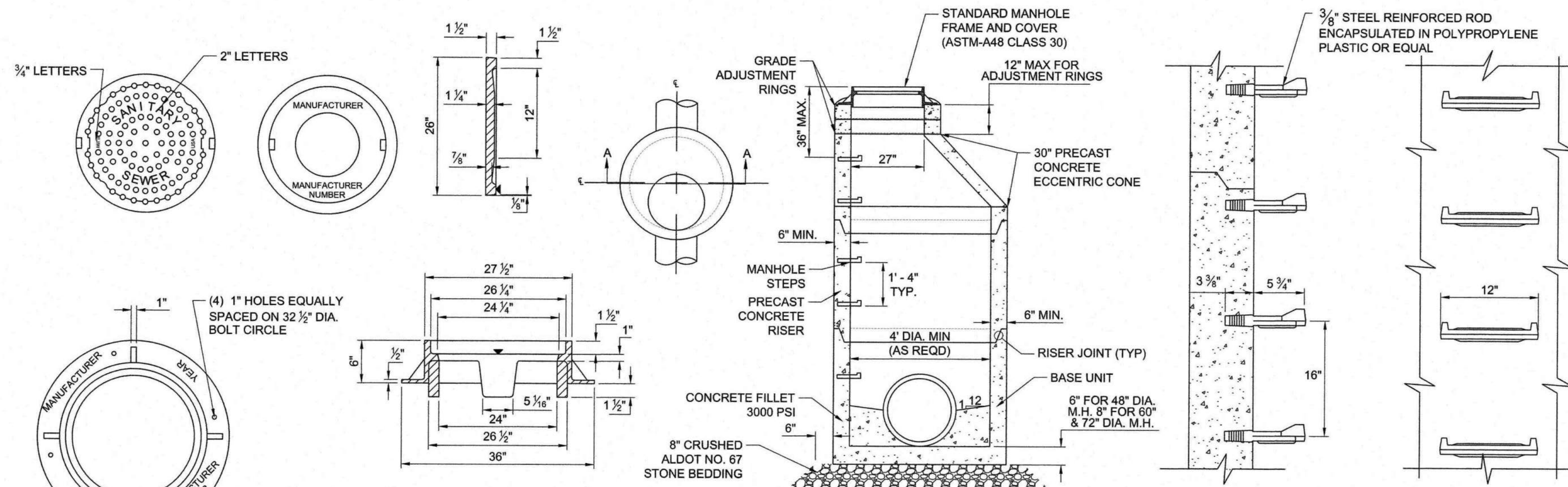
PIPE SIZE	AREA SQ. FT.	SLOPE	B	C	CU. YDS. ONE BBL
15" Ø	1.2	4:1	2'-5"	5'-3"	0.92
18" Ø	1.8	4:1	3'-6"	6'-0"	1.06
24" Ø	3.1	4:1	5'-6"	8'-0"	1.32
30" Ø	4.9	4:1	7'-7"	10'-0"	1.60
36" Ø	7.1	4:1	9'-8"	12'-0"	1.86
42" Ø	9.8	4:1	11'-9"	14'-0"	2.20
48" Ø	12.6	4:1	13'-9"	16'-0"	2.40
54" Ø	15.9	4:1	15'-10"	18'-0"	2.60



- NOTES:
- THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPED PAVING IS PLACED.
 - 5" SOLID SOD TO BE PLACED ON ALL SIDES OF SLOPED PAVED HEADWALLS.
 - CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED.

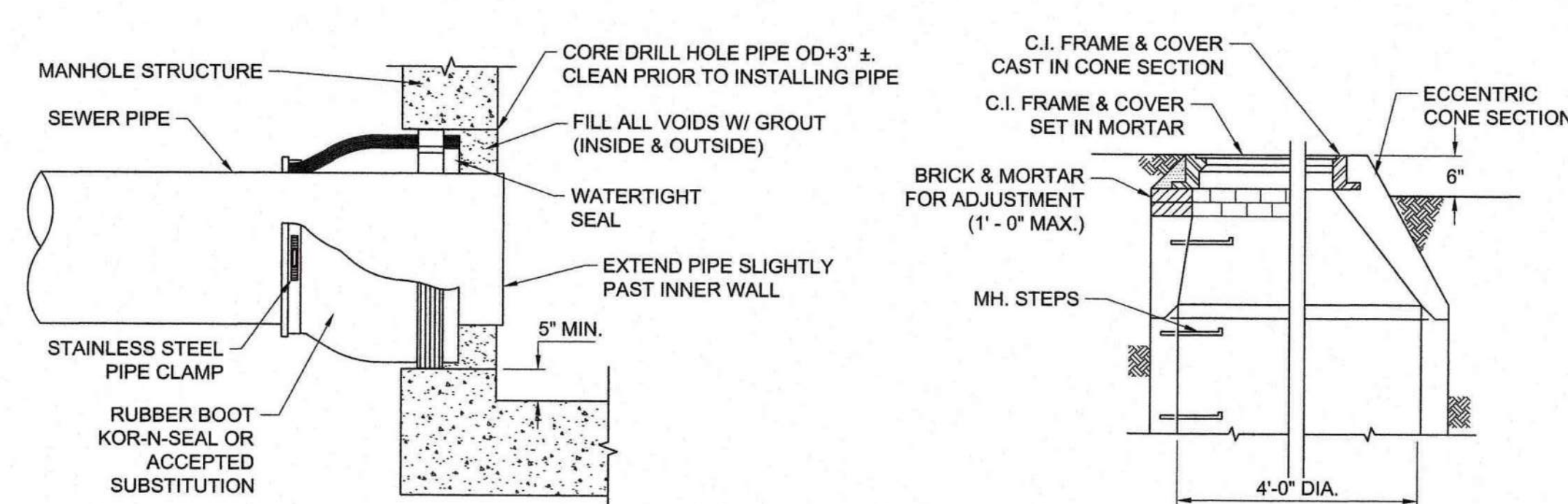
11 SLOPED PAVED HEADWALL
CS503 SCALE: NTS



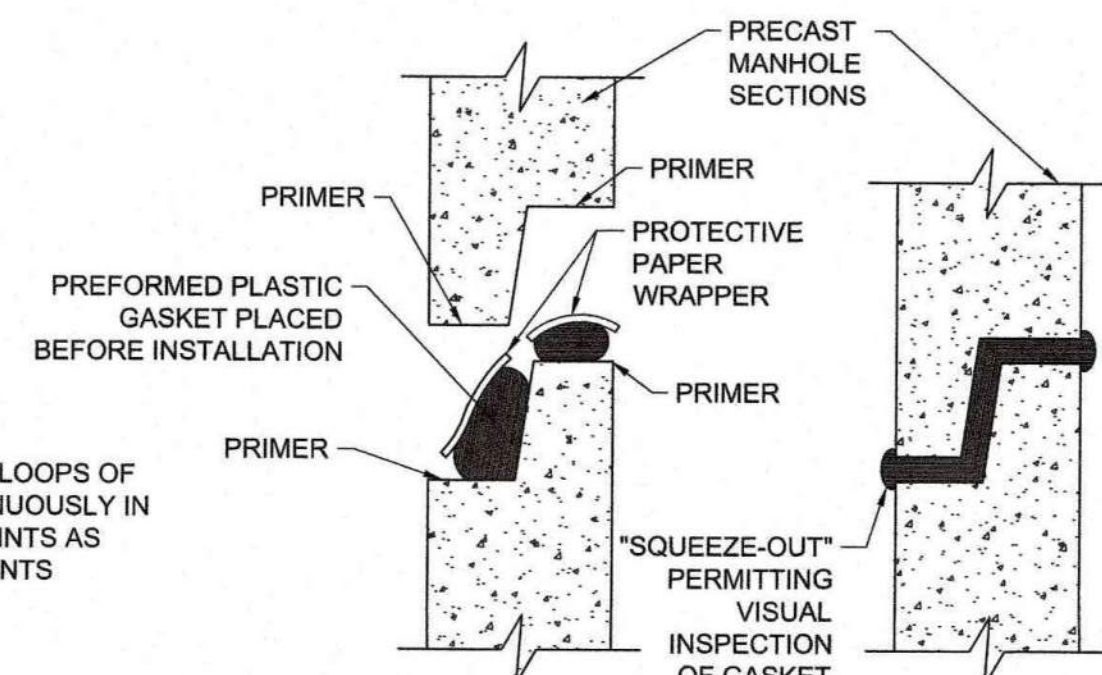


- NOTES:
1. ALL ELEMENTS PRECAST TO MEET SPECIFICATION ASTM C-478 LATEST REVISION
 2. STANDARD FRAME AND COVER SHALL BE INSTALLED ON STANDARD MANHOLE UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
 3. FLEXIBLE JOINT SEALANTS SHALL BE PLACED BEFORE INSTALLATION OF PRECAST SECTIONS. SEE DETAIL OF FLEXIBLE JOINT SEALANT.
 4. OPENINGS FOR PIPE ARE CORED TO PROVIDE REQUIRED SIZE AND LOCATION
 5. THE HOLE IS TO BE MANUFACTURED AS TO ALLOW FOR LATERAL AND VERTICAL MOVEMENT, AS WELL AS ANGULAR ADJUSTMENTS THRU 20°.
 6. THE FLEXIBLE BOOT IS MOLDED FROM A NEOPRENE COMPOUND MEETING ASTM C-343.
 7. THE KORBRAND IS AN EXTERNAL EXPANDING BAND WHICH CLAMPS AND SEALS THE BOOT TO THE PORT.
 8. THE S.S. EXTERNAL BAND CONTRACTS AROUND THE BOOT TO CLAMP AND SEAL THE BOOT TO THE PIPE.
 9. GROUT FOR MANHOLES SHALL BE NON-SHRINK EMBECO OR EQUAL.
 10. ALL MANHOLES SHALL PASS VACUUM TESTING AND PASS REQUIREMENTS OF LOCAL UTILITY AUTHORITY.

1 SANITARY SEWER MANHOLE
CS505 SCALE: NTS



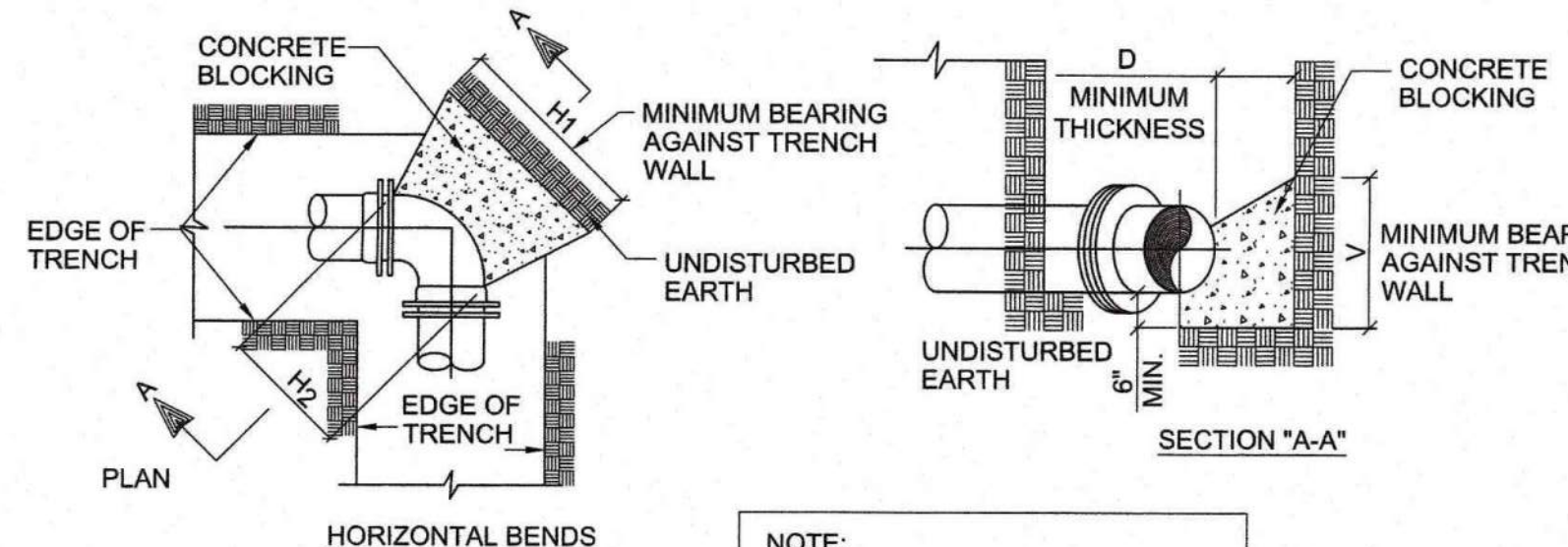
NOTE:
ALL PIPES SHALL BE CONNECTED TO MANHOLES BY RUBBER BOOT PROVIDED IN A CORED OR PRECAST HOLE OF THE PROPER DIAMETER



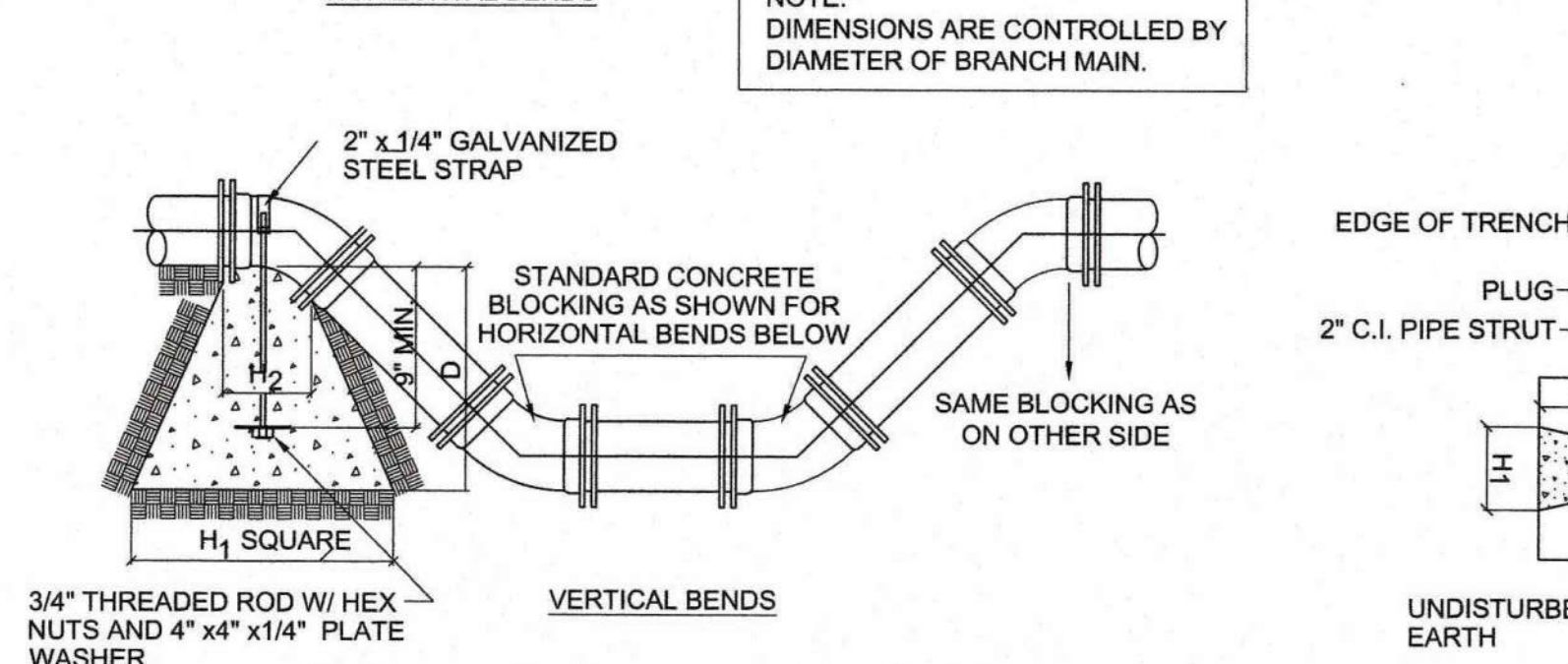
PLACE 1 LOOP OF BUTYL BANDING CONTINUOUSLY AROUND ALL HORIZ. FACES AS SHOWN AND PROVIDE A HORIZONTAL OVERLAP OF 6\"/>

PLACE 2 COMPLETE LOOPS OF BUTYL ROPE CONTINUOUSLY IN ALL HORIZONTAL JOINTS AS SHOWN, TYP. ALL JOINTS

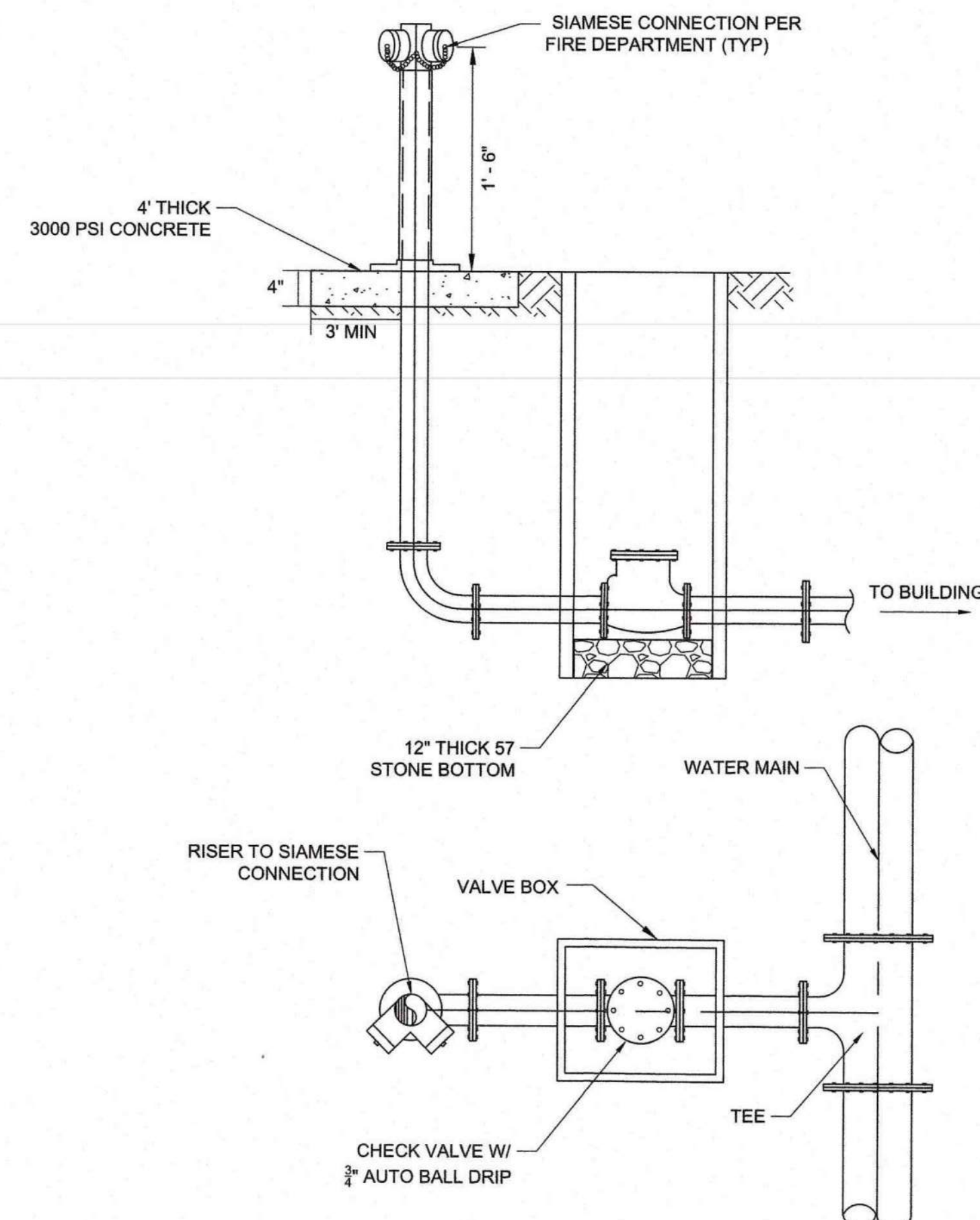
TABLE OF DIMENSIONS FOR CONCRETE BLOCKING																											
SIZE		TEES, PLUGS & CROSSES					90° BENDS					45° BENDS					22 1/2° BENDS					1 1 1/4° BENDS					SIZE
PIPE	H ₁	H ₂	V	D	CU. FT.	H ₁	H ₂	V	D	CU. FT.	H ₁	H ₂	V	D	CU. FT.	H ₁	H ₂	V	D	CU. FT.	H ₁	H ₂	V	D	CU. FT.	PIPE	
2" & 1/4"	18"	10"	12"	18"	1.9	18"	10"	12"	18"	1.9	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	2" & 1/4"	
3" & 1/4"	24"	12"	12"	18"	2.3	24"	12"	12"	18"	2.3	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	3" & 1/4"	
6"	24"	16"	18"	18"	3.5	30"	16"	18"	18"	4.1	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	6"	
8"	36"	18"	18"	18"	5.1	39"	18"	18"	24"	18"	7.3	30"	11"	18"	4.0	24"	11"	18"	18"	3.5	24"	11"	16"	18"	3.4	8"	



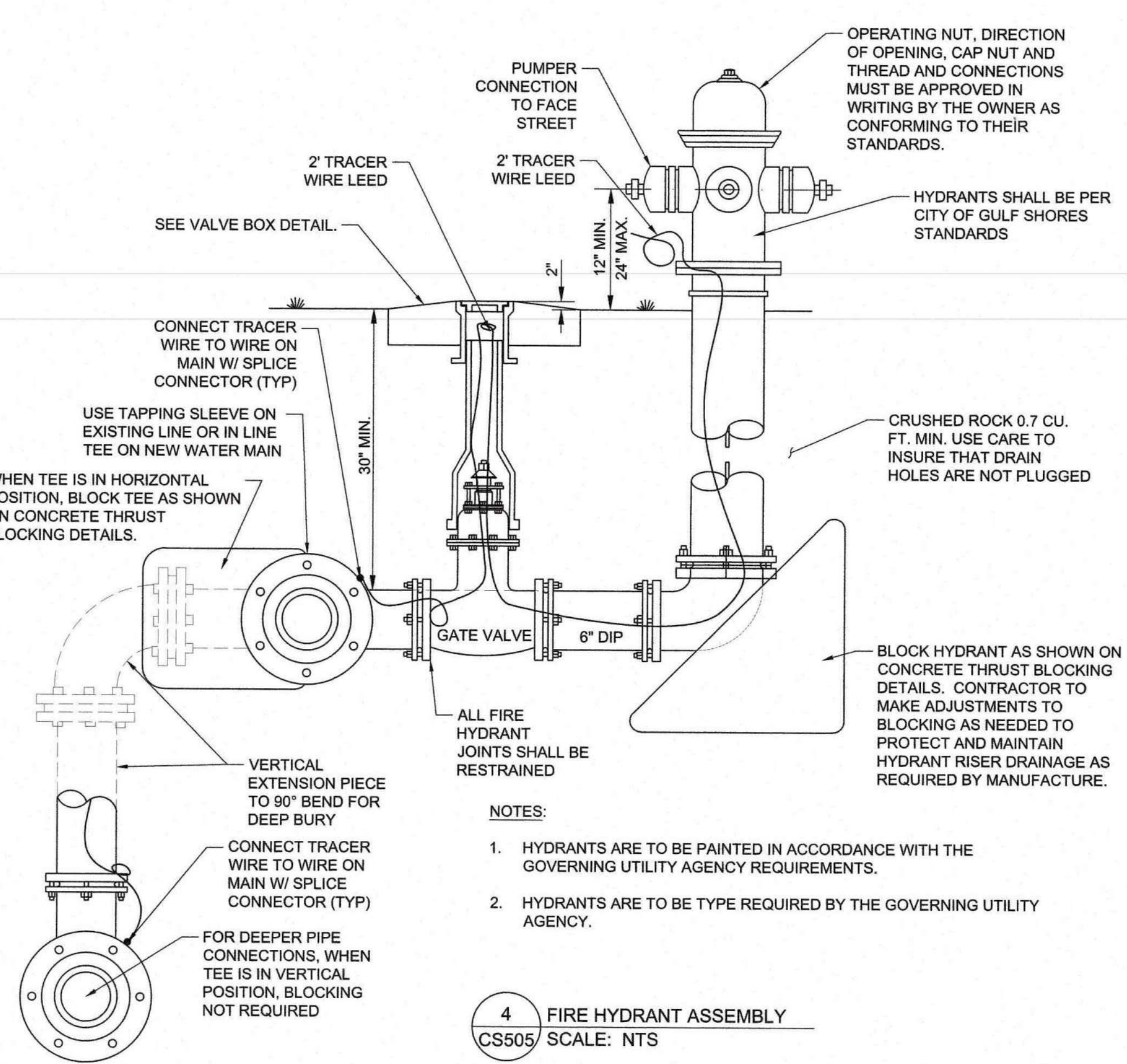
- NOTES:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
 2. WRAP ALL FITTINGS WITH POLYETHYLENE PLASTIC SHEETING.
 3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
 4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
 5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
 6. REACTION BACKING TABLE IS BASED ON WATER MAIN PRESSURE AT 100 P.S.I. AND SOIL BEARING PRESSURE OF 2,500 LB. / SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
 7. ALL CONCRETE SHALL BE 3000 P.S.I. MINIMUM.
 8. ALL 90 DEGREE BENDS ON PVC SERVICE LINES (INCLUDING 1\"/>



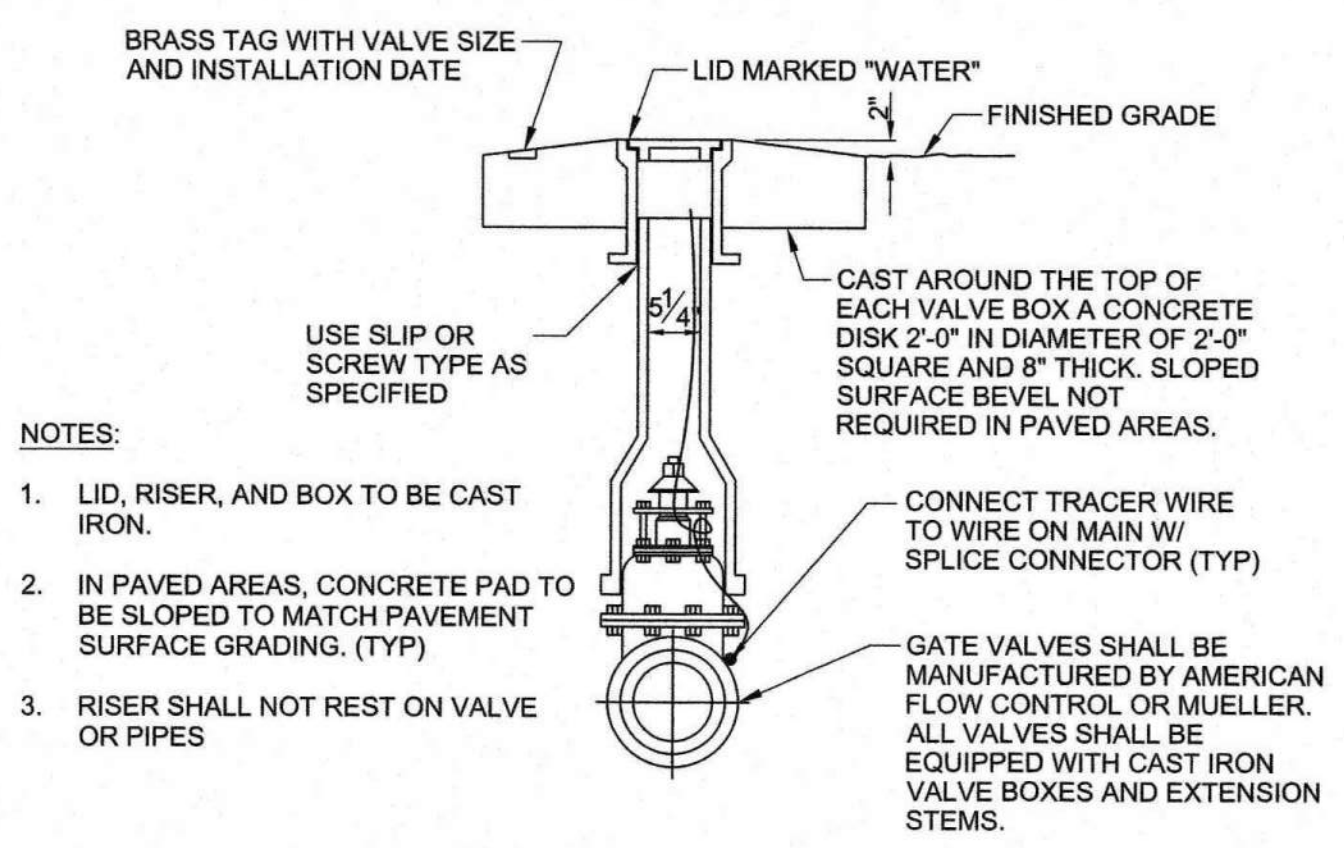
2 THRUST BLOCKING
CS505 SCALE: NTS



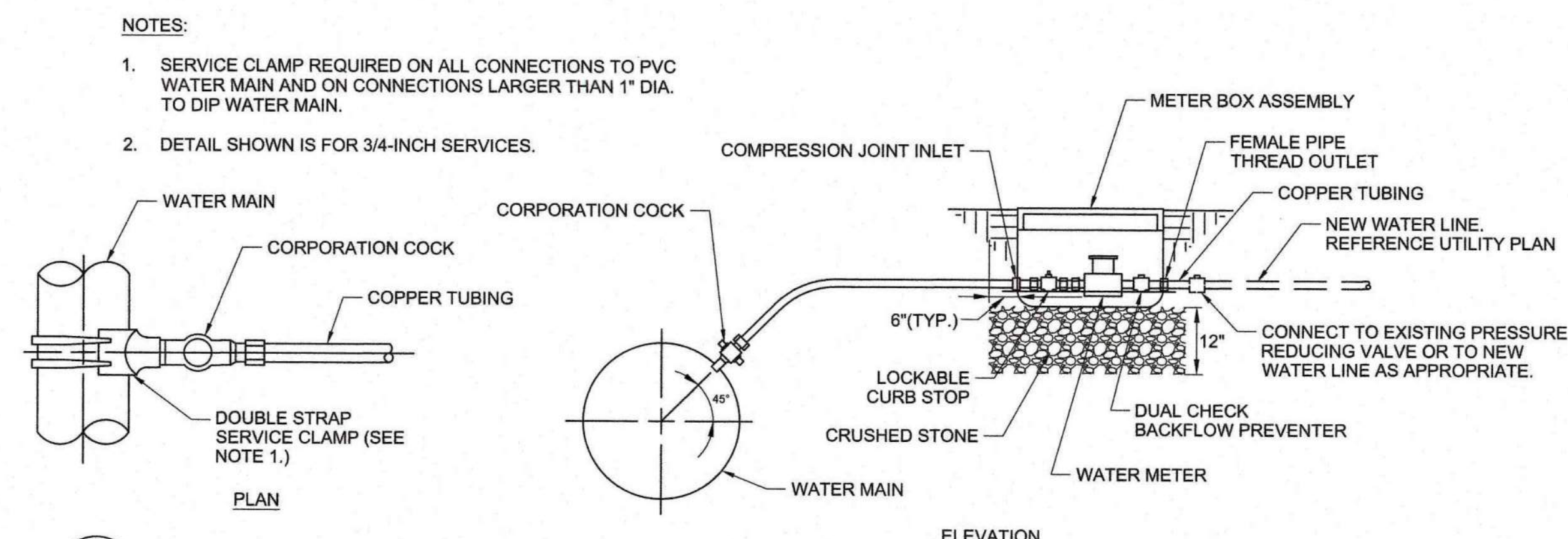
3 STAND ALONE FIRE DEPARTMENT CONNECTION
CS505 SCALE: NTS



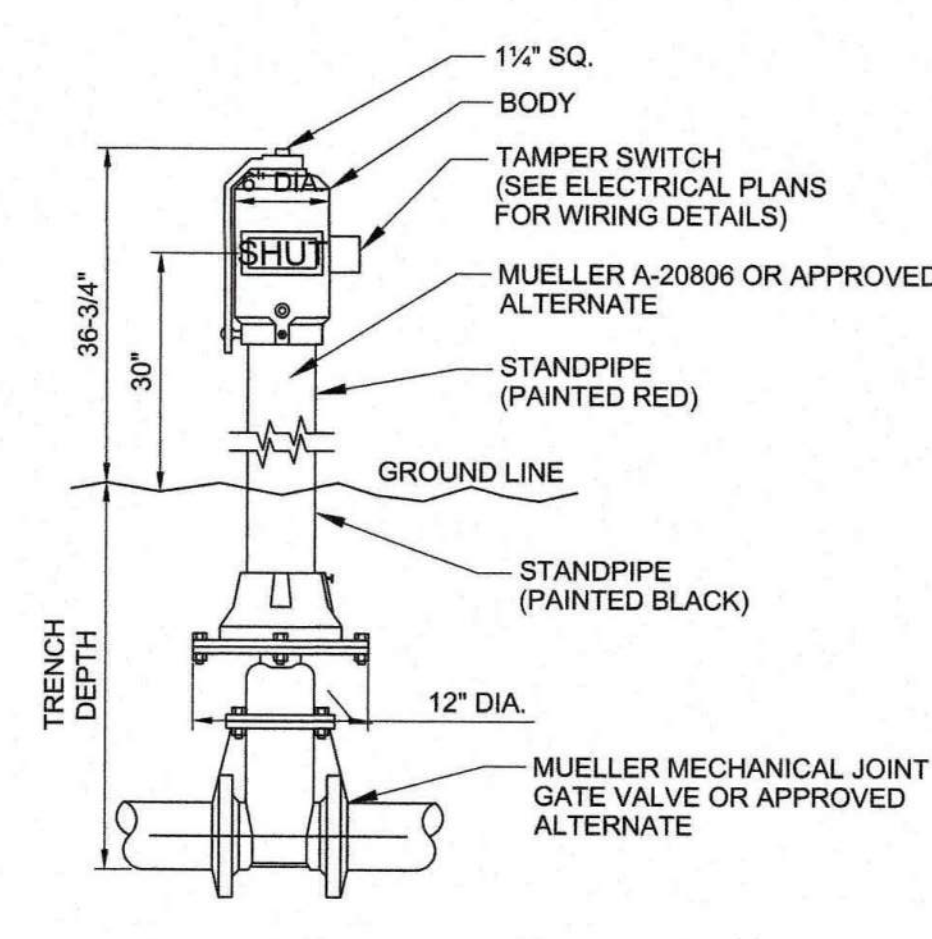
4 FIRE HYDRANT ASSEMBLY
CS505 SCALE: NTS



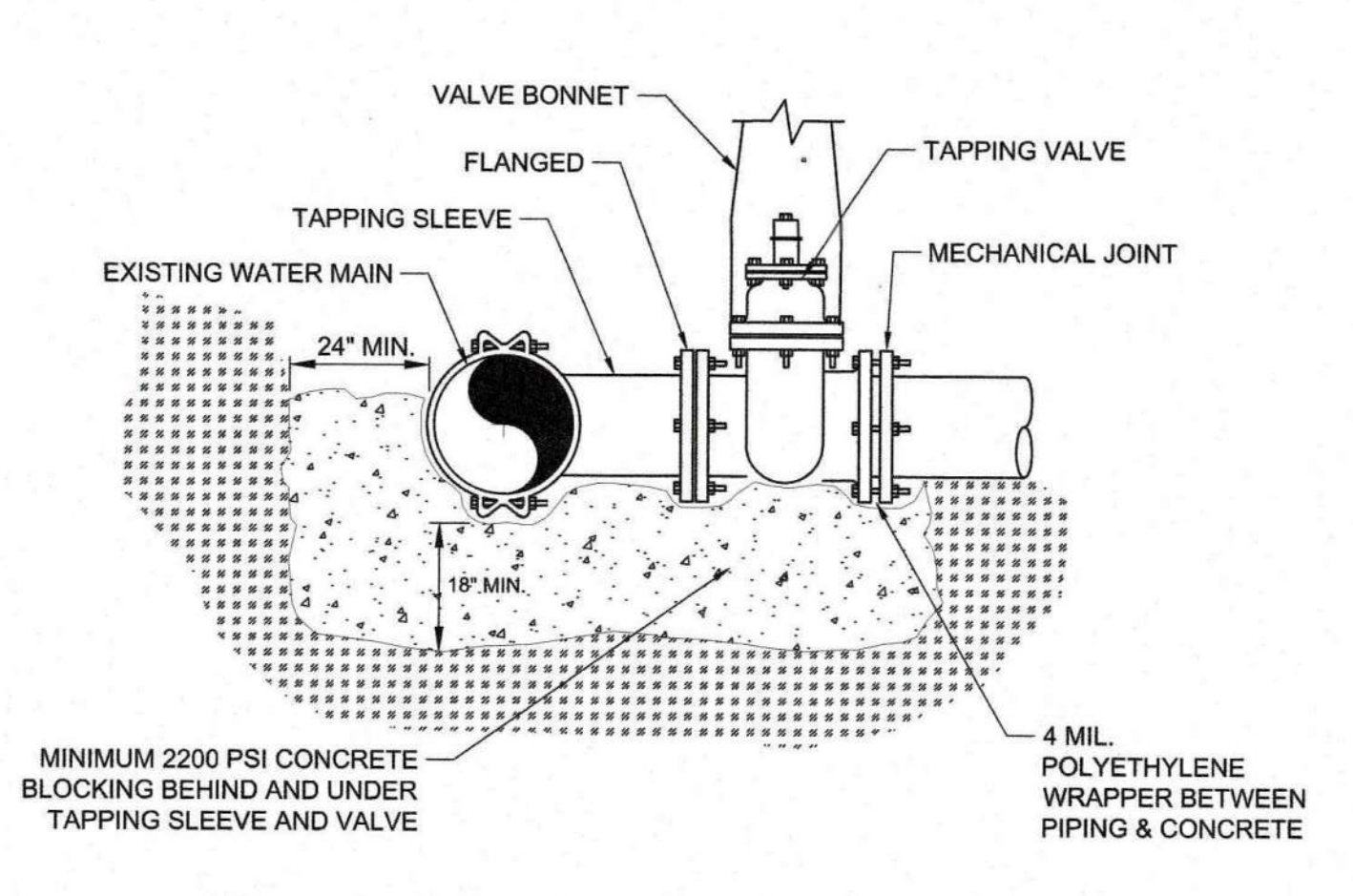
5 GATE VALVE & BOX
CS505 SCALE: NTS



6 WATER SERVICE METER CONNECTION
CS505 SCALE: NTS

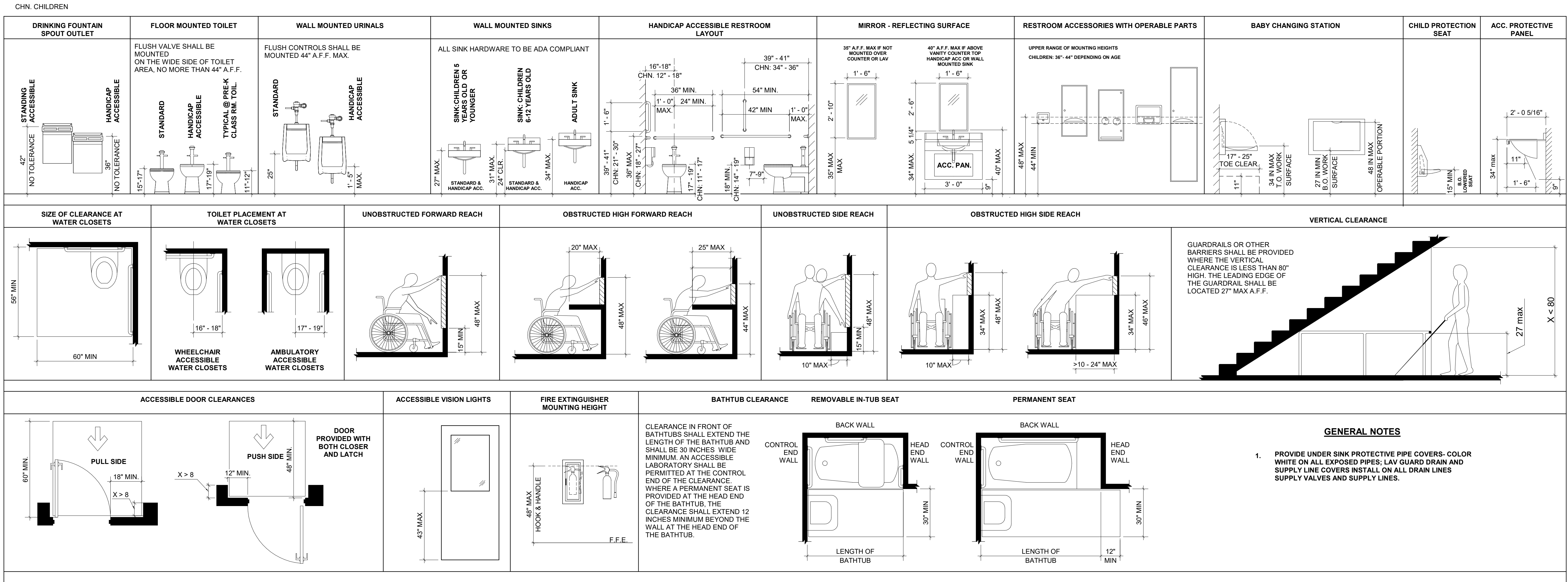


7 POST INDICATOR VALVE
CS505 SCALE: NTS



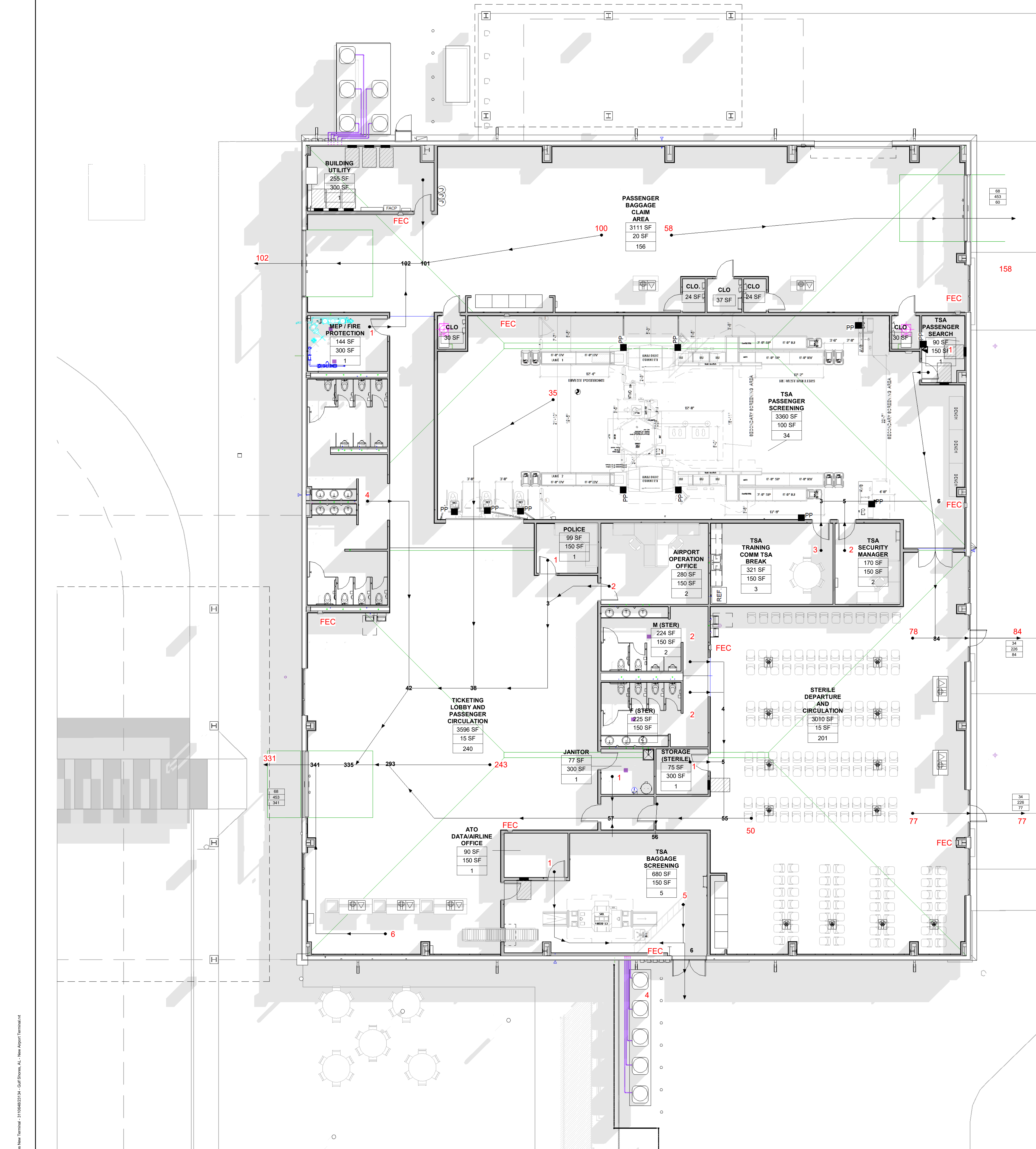
8 TAPPING SLEEVE AND VALVE
CS505 SCALE: NTS

ADA LEGEND - VERIFY THAT ALL REQUIRED CODES & MANUFACTURERS INSTALLATION REQUIREMENTS ARE MET



ABBREVIATIONS

AB	ANCHOR BOLT	CP	CEMENT PLASTER	ES	EMERGENCY SHOWER	H	HIGH	(N)	NEW	R	RISER	T	TREAD
ACT	ACOUSTIC TILE	CPT	CARPET	EW	EYE WASH	HC	HOLLOW CORE	NIC	NOT IN CONTRACT	RAD	RADIUS	T/	TOP OF
ABV	ABOVE	CR	CARD READER	EWC	ELECTRIC WATER COOLER	HCP	HANDICAP(PED)	NO	NUMBER	RAU	RETURN AIR UNIT	T/B	TOP & BOTTOM
ADJ	ADJACENT	CT	CERAMIC TILE	EXH	EXHAUST	HD	HEAD	NOM	NOMINAL	RS	RESILIENT BASE	T&B	TOP & BOTTOM
AFF	ABOVE FINISHED FLOOR	CTR	CENTER	EXP	EXPOSED	HDW	HARDWARE	NTS	NOT TO SCALE	RD	ROOF DRAIN	TD	TRENCH DRAIN
ALT	ALTERNATE	CTRSK	COUNTERSUNK	EXT	EXTERIOR	HM	HOLLOW METAL			REF	REFERENCE	TEL	TELEPHONE
ALUM	ALUMINUM					HORIZ	HORIZONTAL			REIN	REINFORCE(D), REINFORCING	TEMP	TEMPERED
ARCH	ARCHITECT(URAL)	DB	DOUBLE	FL	FLOOR	HP	HIGH POINT	O/	OVER	REQD	REQUIRED	TERR	TERRAZO
BD	BOARD	DBL	DOUBLE	FA	FIRE ALARM	HR	HOUR (FIRE RESISTANCE)	OC	ON CENTER	RET	RETAINING	THK	THICK(NESS)
BG	BUMPER GUARD	DEM	DEMOUNTABLE	FB	FLAT BAR	HSS	HOLLOW STRUCTURAL SHAPE	OD	OUTSIDE DIAMETER	RM	ROOM	THLD	THRESHOLD
BLDG	BUILDING	DIA	DIAMETER	FC	FINISH(ED) CEILING	HT	HEIGHT	OHD	OVERHEAD DOOR	RO	ROUGH OPENING	TOB	TOP OF BEAM
BLK	BLOCK(ING)	DIM	DIMENSION	FD	FLOOR DRAIN	HWD	HARDWOOD	OIO	OUTSIDE OF	SAN	SANITARY	TOC	TOP OF CONCRETE
BM	BEAM	DIST	DISTRIBUTION	FEC	FIRE EXTINGUISHER CABINET	ID	INSIDE DIAMETER	OPNG	OPENING	SC	SOLID CORE	TOO	TOP OF DECK
BO or B/	BOTTOM OF	DN	DOWN	FH	FIRE HYDRANT	INSUL	INSULATION	O/O	OUTSIDE OF	SD	SQUARE DRIVE	TOR	TOP OF PARAPET
BRZ	BRONZE	DP	DAMP PROOFING	FHC	FIRE HOSE CABINET	INT	INTERIOR	OPP	OPPOSITE	SECT	SECTION	TOR	TOP OF ROOF
BTW	BETWEEN	DR	DOOR	FIN	FINISH(ED)					SERV	SERVICE	TOS	TOP OF SLAB
CB	CATCH BASIN	DS	DOWN SPOUT	FOB	FACE OF BRICK	JT	JOINT	PAF	POWER ACTUATED FASTENER	SHT	SHEET	TS	TUBE STEEL
CC	COLUMN COVER	DTL	DETAIL	FOC	FACE OF CONCRETE			PC	PRECAST CONCRETE	SHTG	SHEATHING	TYP	TYPICAL
CEM	CEMENT (TIOUS)	DWG	DRAWING	FOF	FACE OF FINISH	LAM	LAMINATE	PL	PLATE	SIM	SIMILAR	UNO	UNLESS NOTED OTHERWISE
CF	COMPRESSIBLE FILLER			FOS	FACE OF STUD	LAV	LAVATORY	PERM	PERIMETER	SLNT	SEALANT	VAR	VARY/VARIES
CJ	CORNER GUARD	EXIST (E)	EXISTING	FP	FIRE PROOFING	LF	LINEAR FOOT/FEET	PKG	PARKING	SMS	SHEET METAL SCREW	VERT	VERTICAL
CG	CONTROL JOINT	EA	EACH	FRP	FIRE RATED POLYPROPYLENE	LT	LIGHT	PERF	PERFORATED	SPEC	SPECIFICATION	VCT	VINYL COMPOSITION TILE
CK	CARD KEY	EWSS	EYEWASH/ SAFETY SHOWER	FS	FIRESTOP	LOC	LOCATION	PLAM	PLASTIC LAMINATE	SQ	SQUARE	W	WIDE
CL	CENTER LINE	EIFS	EXTERIOR INSULATION & FINISH	FT	FOOT/FEET	LP	LOW POINT	PLAS	PLASTER	S/R	SUPPLY/RETURN	WB	WET BULB
CLDG	CLADDING			FTG	FOOTING	LL	LIVE LOAD	PNL	PANEL	SS	STAINLESS STEEL	W/	WITH
CLG	CEILING	EJ	EXPANSION JOINT	FURR	FURRING	MACH	MACHINE	POL	POLISHED	SCHED	SCHEDULE(D)	W/O	WITHOUT
CLR	CLEAR	EL	ELEVATION	FV	FIELD VERIFY	MAT	MATERIAL	PR	PAIR	STD	STANDARD	WD	WOOD
CMU	CONCRETE MASONRY UNIT	ELEC	ELECTRIC(AL)	FVC	FIRE VALVE CABINET	MECH	MECHANICAL	PRESS	PRESSURE, PRESSURIZATION	STL	STEEL	WP	WATERPROOFING
CO	CLEAN OUT	ELEV	ELEVATOR	FXT	FIXTURE	MFR	MANUFACTURER	PT	PAINT	STRUC	STRUCTURE, STRUCTURAL	WR	WATER RESISTANT
COL	COLUMN	EQ	EQUAL			MR	MOISTURE RESISTANT	PTD	PAPER TOWEL DISPENSER	SUSP	SUSPENDED	WT	WEIGHT
COMP	COMPOSITION					MTL	METAL	PWD	PLYWOOD	SV	SMOKE VENT	WPT	WORK POINT
CONC	CONCRETE	ENCL	ENCLOSURE			MIN	MINIMUM					WW	WINDOW WASHING
CONN	CONNECTION	ENG	ENGINEER			MISC	MISCELLANEOUS					WWF	WELDED WIRE FABRIC
CONST	CONSTRUCTION	EQ	EQUIPMENT			MTL	METAL						
CONTR	CONTRACTOR					MTD	MOUNTED						
CONT	CONTINUOUS												
COORD	COORDINATE												



1 LIFE SAFETY PLAN - FIRST FLOOR
1/8" = 1'-0"

PROJECT DATA

PROJECT NAME
GULF SHORES INTERNATIONAL AIRPORT NEW TERMINAL

PROJECT LOCATION
1155 COMMERCE DR, GULF SHORES, AL 36542

JURISDICTION
CITY OF GULF SHORES, ALABAMA

APPLICABLE CODES:
2021 EDITION INTERNATIONAL BUILDING CODE (IBC)
2020 EDITION NATIONAL ELECTRICAL CODE (NEC)
2021 EDITION INTERNATIONAL MECHANICAL CODE (IMC)
2021 EDITION INTERNATIONAL FUEL GAS CODE (IFGC)
2018 EDITION INTERNATIONAL PLUMBING CODE (IPC)
2021 EDITION ENERGY CONSERVATION CODE (IECC)
2021 EDITION INTERNATIONAL FIRE CODE (IFC)
2010 AMERICANS WITH DISABILITIES ACT (ADA)
2021 CODE AMENDMENT

OCCUPANCY TYPE:
MIXED USE AND OCCUPANCY PER IBC 508

PRIMARY - A-3 ASSEMBLY OCCUPANCY - 15,705 SF
ACCESSORY USE - B BUSINESS OCCUPANCY (SECTION 304) - 2,021 SF

TOTAL: 17,726 SF
ALLOWABLE AREA PER IBC 506.2: 38,000 SF

TYPE OF CONSTRUCTION: IBC (TABLE 601) **TYPE 2B** (UNPROTECTED) / FULLY SPRINKLERED WITH NFPA13 SPRINKLER SYSTEM PER IBC 903
0 HOUR: STRUCTURAL FRAME
0 HOUR: EXTERIOR NON-BEARING WALLS AND PARTITIONS
0 HOUR: INTERIOR NON-BEARING WALLS AND PARTITIONS
0 HOUR: FLOOR CONSTRUCTION
0 HOUR: ROOF CONSTRUCTION

ALLOWABLE HEIGHT: IBC TABLE 504.3 & 504.4 2 STORIES/55 FEET FOR TYPE 2B CONSTRUCTION
ACTUAL BUILDING HEIGHT: 38 FEET TO TOP OF RIDGE

OCCUPANT LOAD: IBC (TABLE 1004.5)

BAGGAGE CLAIM 3111 SF / 20 SF PER OCCUPANT = 156 OCCUPANTS
BAGGAGE HANDLING 681 SF / 300 SF PER OCCUPANT = 3 OCCUPANTS
CONCOURSE 3010 SF / 100 SF PER OCCUPANT = 31 OCCUPANTS
WAITING AREAS 3597 3597 SF / 15 SF PER OCCUPANT = 239 OCCUPANTS
ASSEMBLY WITH FIXED SEATS = 173 OCCUPANTS
BUSINESS 961 SF / 150 SF PER OCCUPANT = 7 OCCUPANTS
CALCULATED TOTAL: 609 OCCUPANTS

OCCUPANCY SEPARATION: SINGLE OCCUPANCY / NOT APPLICABLE

EGRESS:

MAXIMUM TRAVEL DISTANCE: 250' (IBC Table 1017.2)

EGRESS CAPACITY / OCCUPANT -
STANDARD - 44" MIN / 0.15' (IBC 1005.3.2 / LSC TABLE 7.3.3.1)
REQUIRED 92.25'
PROVIDED - 102" MIN

EXIT CAPACITY - DOORS 0.15/OCCUPANT (IBC 1005.3.2 / LSC TABLE 7.3.3.1)
STANDARD - 32" MIN / 0.15' (IBC 1005.3.2 / LSC TABLE 7.3.3.1)
REQUIRED - 815 x 0.15 = 92.25'
PROVIDED - 336"

MAXIMUM DEAD END CORRIDOR:
TYPE - 20' MAX (IBC 1020.4 / LSC TABLE A.7.6)

MAXIMUM COMMON PATH OF TRAVEL:
TYPE - 75' MAX (IBC TABLE 1006.2.1 / LSC TABLE A.7.6)

CORRIDOR FIRE RESISTANCE RATING (IBC TABLE 1018.1):
OCCUPANCY TYPE LOAD GREATER THAN 30, WITH FIRE SPRINKLER SYSTEM => 0 HOUR RATED

DESIGN OF HANDRAILS AND GUARDRAILS SHALL COMPLY WITH INTERNATIONAL BUILDING CODE (2006) CHAPTER 16 PARAGRAPH 1607.7 LOADS ON HANDRAILS, GUARDS, GRAB BARS, AND VEHICLE BARRIERS AND 1607.7.1 HANDRAILS AND GUARDS.

PLUMBING FIXTURE REQUIREMENTS: (IBC TABLE 2002.1)

CLASSIFICATION - BUSINESS AND ASSEMBLY
A. OCCUPANTS
= 609 TOTAL: 7 BUSINESS OCCUPANTS (1 PER 25 FIRST 50 AND 1 PER 50 EXCEEDING 50) + 602 ASSEMBLY OCCUPANTS (1 PER 50)

B. REQUIRED FIXTURES : 1 FOR BUSINESS AND 2 FOR ASSEMBLY

PLUMBING FIXTURES	REQUIRED	PROVIDED
TOILETS	2M+2F	(6M+5 URINAL)+8F
LAVATOIRES	2M+2F	12
DRINKING FOUNTAIN	2	4 (2 H+LOW)
UTILITY SINK	1	1

CLIMATE ZONE 2A IECC 2021 Table C402.1.3

ENVELOPE FENESTRATION MAX U FACTOR TABLE C402.4

FIXED WINDOW 0.45
OPERABLE WINDOW 0.60
ENTRANCE 0.77

SHGC FIXED 0.25 OPERABLE 0.23

MEZZANINE (EQUIPMENT PLATFORM) IBC 2021 SECTION 505

MAX ALLOWED MEZZANINE SIZE: 17728 SF / 3 = 5908 SF
ACTUAL MEZZANINE (EQUIPMENT PLATFORM) = 680 SF











XXX - NAME OF AREA
XXX SQFT - SQUARE FOOTAGE
XX - NET / GROSS SQFT PER PERSON
XX - ALLOWABLE OCCUPANCY

XX" - CLEAR DOOR WIDTH INCHES
XX - MAXIMUM OCCUPANT LOAD
XX - ALLOWABLE OCCUPANCY
EGRESS CAPACITY

FEC FIRE EXTINGUISHER AND CABINET

TRAVEL PATH

SYMBOLS LEGEND

	DOOR WITH DOOR NUMBER KEY
	ROOM NUMBER REF: FINISH SCHEDULE A.8.1
	ELECTRIC DRINKING FOUNTAIN - REF. PLUMBING
	FIRE EXTINGUISHING CABINET - REF. SPECS.
	WINDOW TYPE KEY - REF. SHEET A.7.1
	WALL TYPE KEY - REF. WALL TYPES
	KEYNOTES RELATED TO SPECIFIC NOTES ON SHEET
	EXTERIOR ELEVATION KEY
	INTERIOR ELEVATION KEY
	DETAIL KEY DRAWING NUMBER SHEET NUMBER
O.F.O.I. -	OWNER FURNISHED OWNER INSTALLED
C.F.C.I. -	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
O.F.C.I. -	OWNER FURNISHED CONTRACTOR INSTALLED
D.S. -	PREFIN. MTL. DOWNSPOUT

MISCELLANEOUS RESPONSIBILITY COORDINATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL QUALITY CONTROL / CONSTRUCTION MATERIALS TESTING AS REQUIRED BY THE PROJECT SPECIFICATIONS. THE OWNER MAY CONDUCT ANY ADDITIONAL QUALITY ASSURANCE TESTING AT THE OWNER'S EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR THE COST OF BUILDER'S RISK INSURANCE. THE POLICY WILL BE IN EFFECT FOR THE DURATION OF THE PROJECT. THE AIRPORT AUTHORITY OF THE CITY OF GULF SHORES SHALL BE NAMED AS THE BENEFICIARY AND WILL BE RESPONSIBLE FOR THE INSURANCE DEDUCTIBLE.

THE FOLLOWING ITEMS ARE TO BE PROVIDED AND INSTALLED BY OWNER. THE CONTRACTOR WILL BE ONLY RESPONSIBLE FOR PROVIDING THE INFRASTRUCTURE AS DESIGNED IN FINAL BIDDING DOCUMENT.

- | | |
|----|--|
| A. | PUBLIC ANNOUNCEMENT AND AUDIO/MUSIC SYSTEM |
| B. | SECURITY ALARM SYSTEM, SECURITY CAMERA, SURVEILLANCE SYSTEM |
| C. | FACILITY ACCESS CONTROL SYSTEM |
| D. | RENTAL CAR DESKS, TICKETING COUNTERS DESK AND PRINTER SYSTEM |
| E. | PERIPHERALS, IT NETWORK, COMPUTER NETWORK, CABLEING, UPS SYSTEM |
| F. | CABLE TV SYSTEM |
| G. | TICKETING SYSTEM AND COUNTER, AIRLINE BOARDING COUNTER ETC |
| H. | TSA SCREENING EQUIPMENT AND SYSTEM |
| I. | PUBLIC OFFICE FURNITURE SYSTEM |
| J. | PUBLIC SEATING SYSTEM, OUTDOOR FURNITURES, TABLES AND CHAIRS ETC |
| K. | VENDING SYSTEM, LOCKERS, MACHINES ETC |
| L. | FLIGHT INFO DISPLAYS |
| M. | OTHER ACCESSORIES SUCH AS DISPENSER, DISPOSAL, PAPER TOWEL DISPENSER ETC |

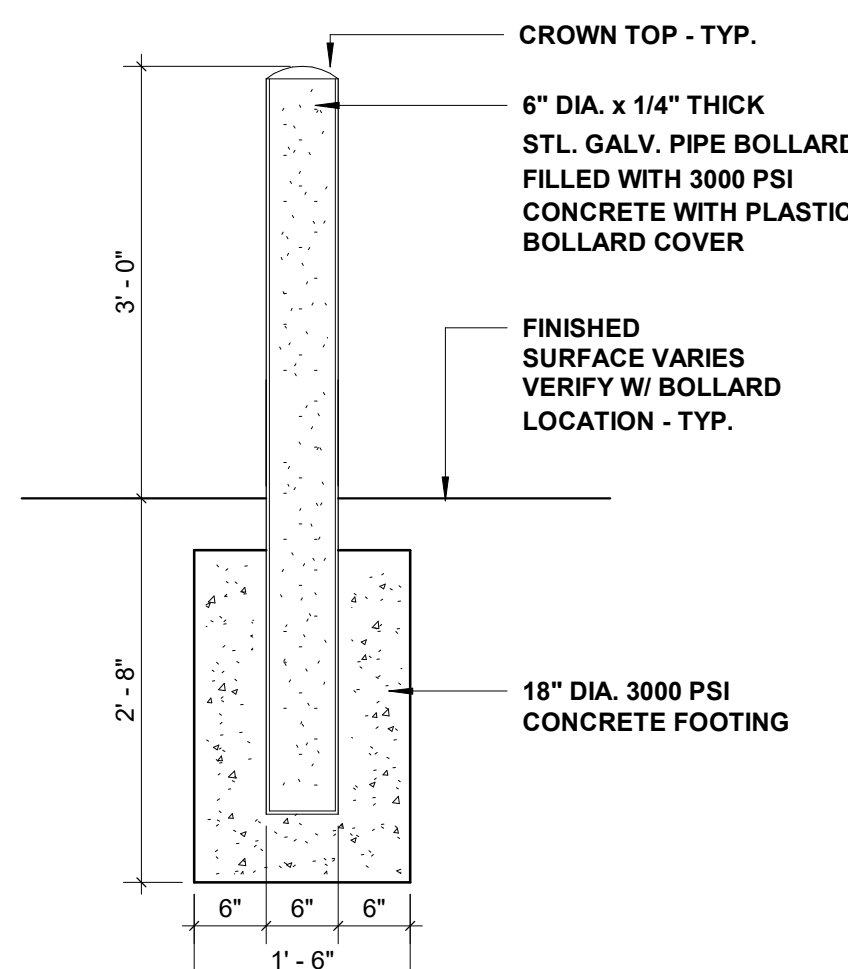
NOTE:
PROVIDE CORNER GUARD AT ALL EXPOSED EXTERIOR CORNERS
@ GYPSUM WALL CONSTRUCTION. THE 4 FEET TALL 2" GUARD
SHALL CONSIST OF THE ALUMINUM RETAINER IS COVERED BY
VINYL AND ROUNDED CAPS AT EACH END. FINAL COLOR TO BE
APPROVED BY OWNER. PRODUCT TO BE
COMMERCIALCORNERGUARDS.COM OR APPROVED EQUAL.

TYPICAL PAINT ALL UN FINISHED ITEMS EXPOSED TO VIEW FROM THE INSIDE, ITEMS INCLUDE BUT NOT LIMITED TO

1. MECHANICAL DUCTWORK AND SUPPORT
2. PRE ENGINEERING BUILDING STRUCTURE PRIMARY AND SECONDARY FRAMING
3. VINYL FACED INSULATION
4. PLUMBING PIPING AND SUPPORT
5. ELECTRICAL CONDUITS AND JUNCTION BOXES, RACEWAY, J HOOKS
6. EXPOSED WIRING.
7. GYPSUM WALL BOARD

FINAL COLOR TO BE APPROVED BY OWNER

BOLLARD DETAIL

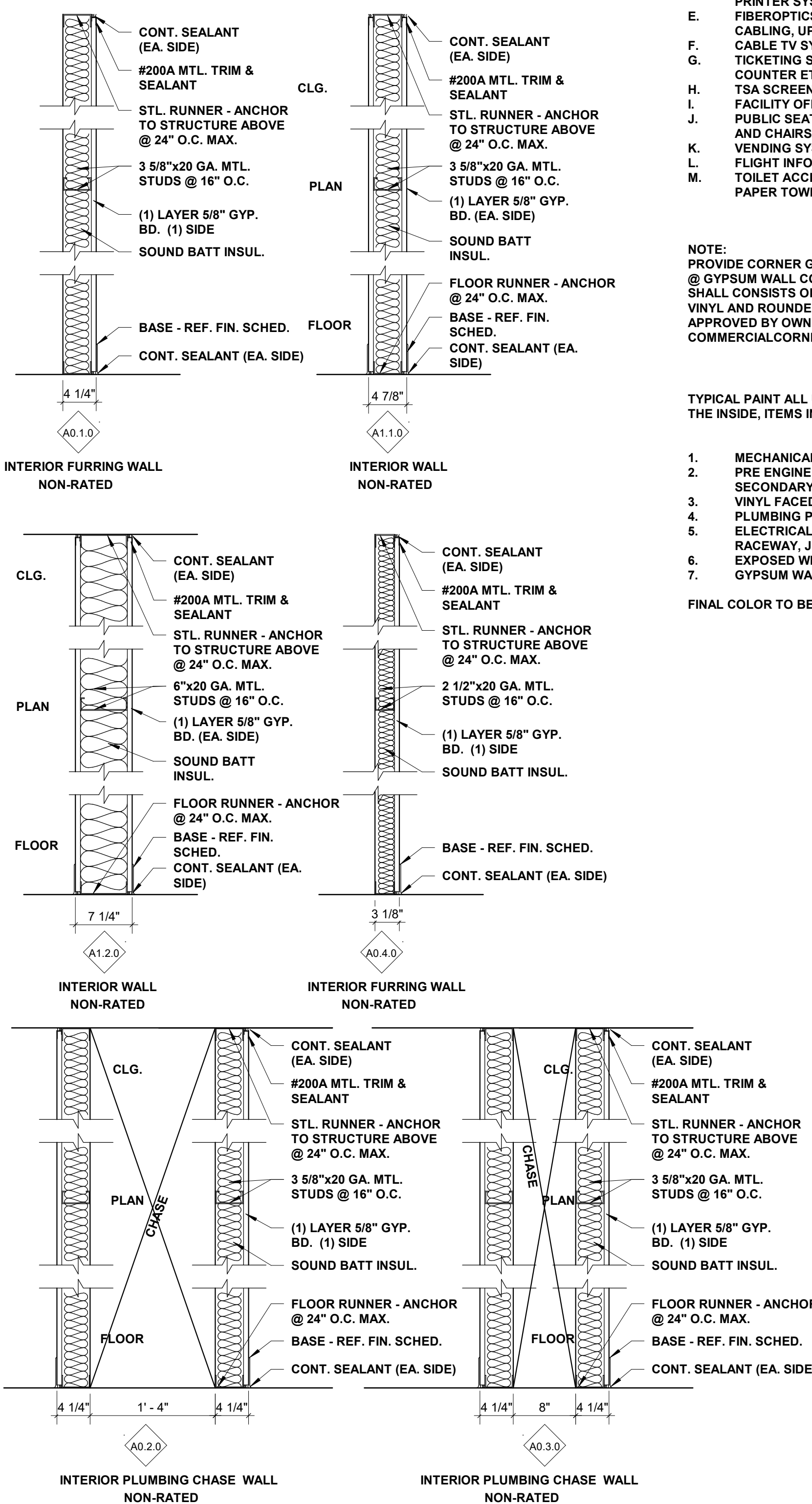
$$3/4'' = 1'-0''$$


WALL TYPES

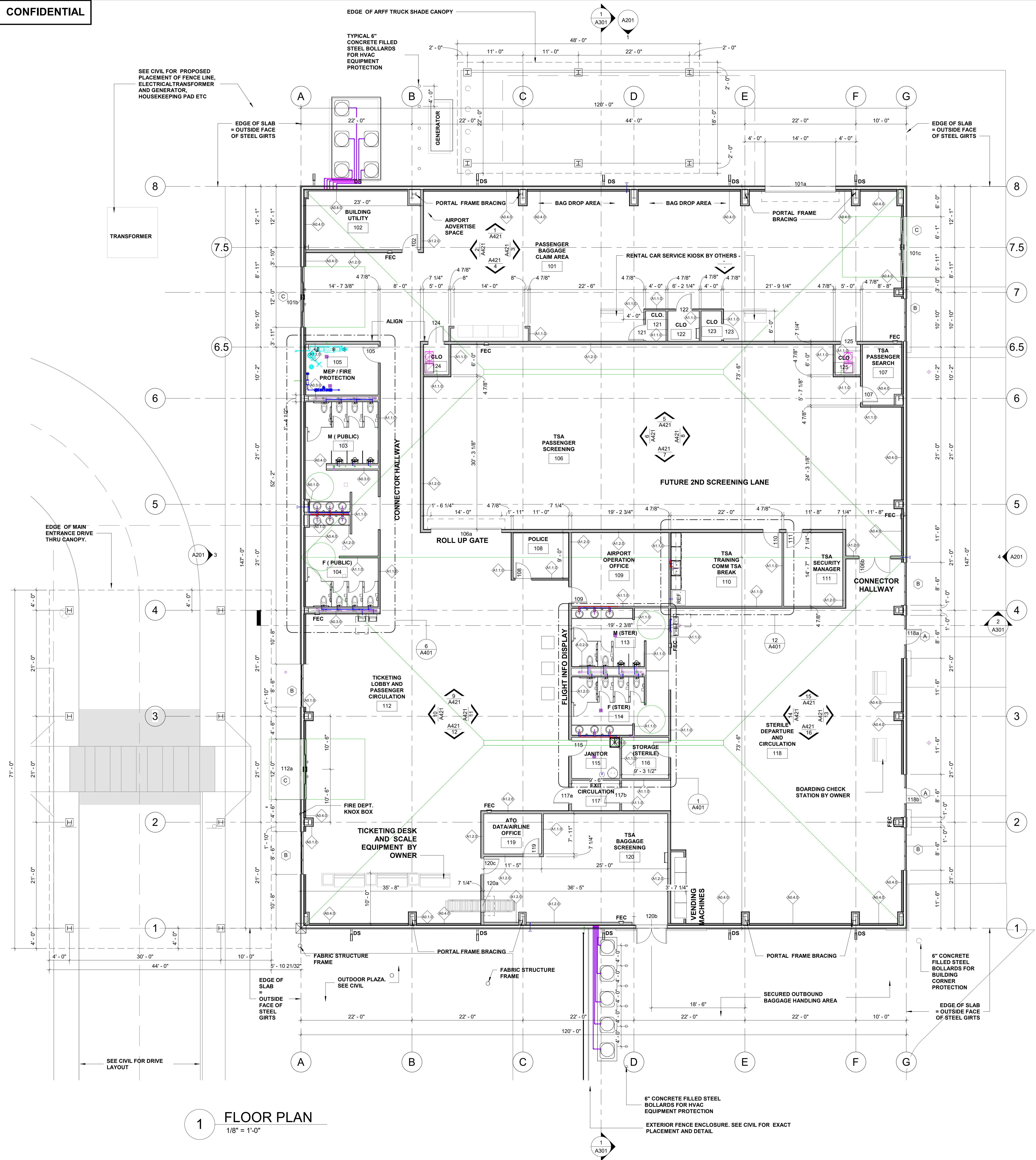
1" = 1'-0"

ALL RATED WALLS TO BE
PERMANENTLY MARKED ABOVE
CEILING IDENTIFYING WALL

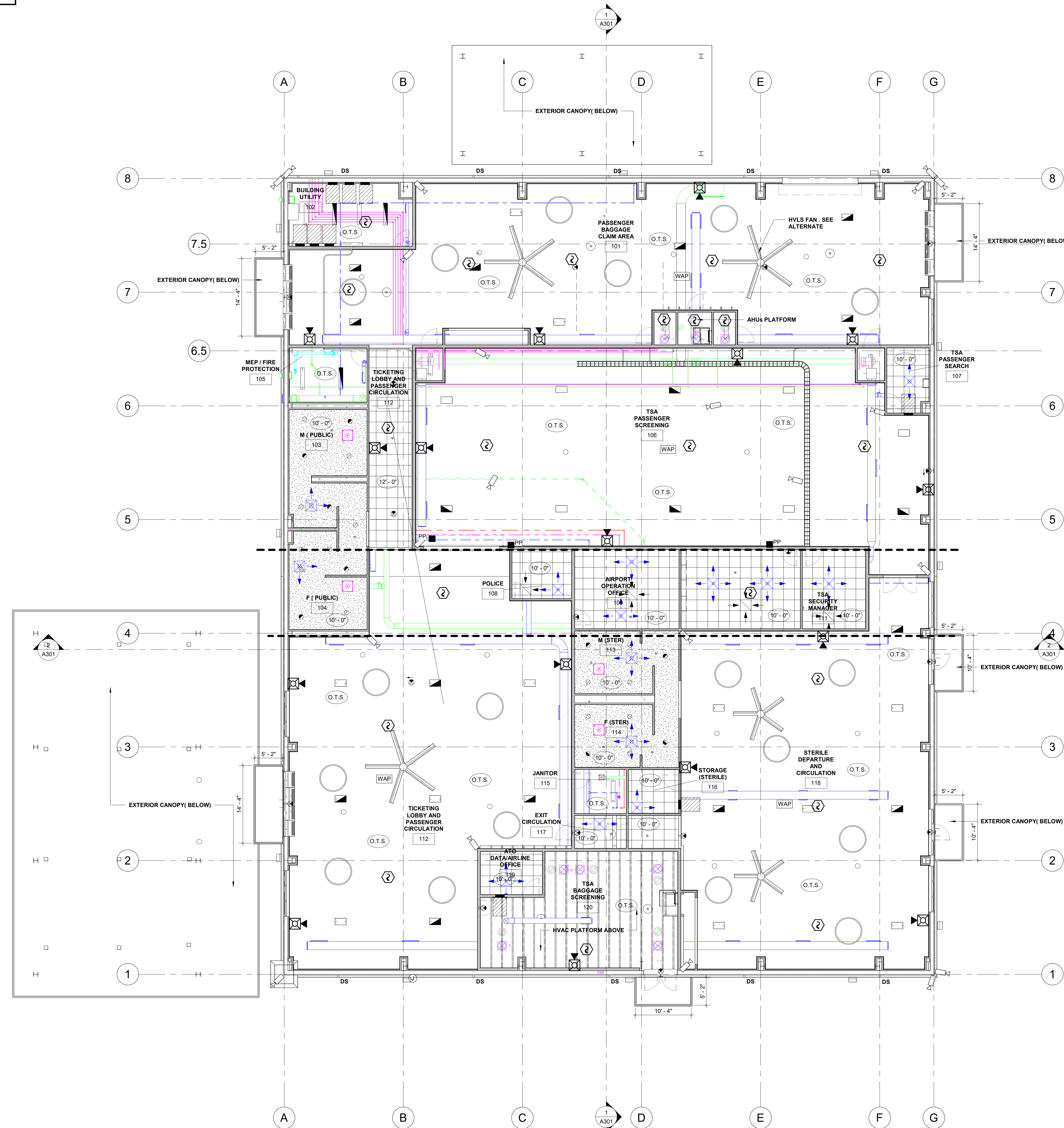
NOTE:
ALL RATED WALLS TO EXTEND
TIGHT TO BOTTOM OF ROOF.



FLOOR PLAN

$$1/8'' = 1'-0''$$




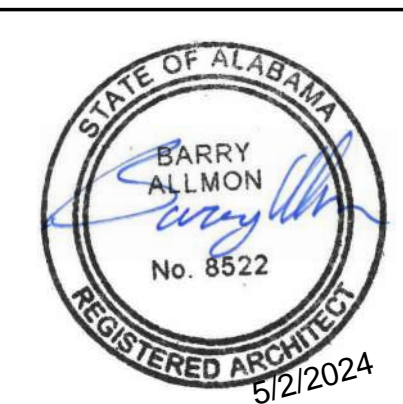


REFLECTED CEILING LEGEND

- GYP. BD. SUSPENDED CEILING
- LAY-IN ACOUSTICAL TILE CEILING GRID
- SUPPLY DIFFUSER
- RETURN AIR VENT
- WALL MOUNTED FIXTURE
- 2x4 LIGHT FIXTURE
- RECESSED DOWNLIGHT
- THEATRICAL LIGHTING ON PIPE SUPPORTS - REF. AVL SPEC.
- 4' STRIP FLOURESCENT
- CEILING HEIGHT RELATIVE TO FINISH FLOOR
- OPEN TO STRUCTURE

GENERAL NOTES

- ALL CEILINGS ARE 10'-0" A.F.F. UNLESS NOTED OTHERWISE
- PAINT ALL EXPOSED STRUCTURE, DECKING, PIPING, DUCTWORK, CONDUIT, ETC.
- VERIFY CEILING HEIGHTS IN EXISTING BUILDING AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO ANY WORK.



FIRST FLOOR REFLECTED CEILING PLAN
NEW TERMINAL BUILDING
GULF SHORES INTERNATIONAL AIRPORT
Gulf Shores, AL 36542



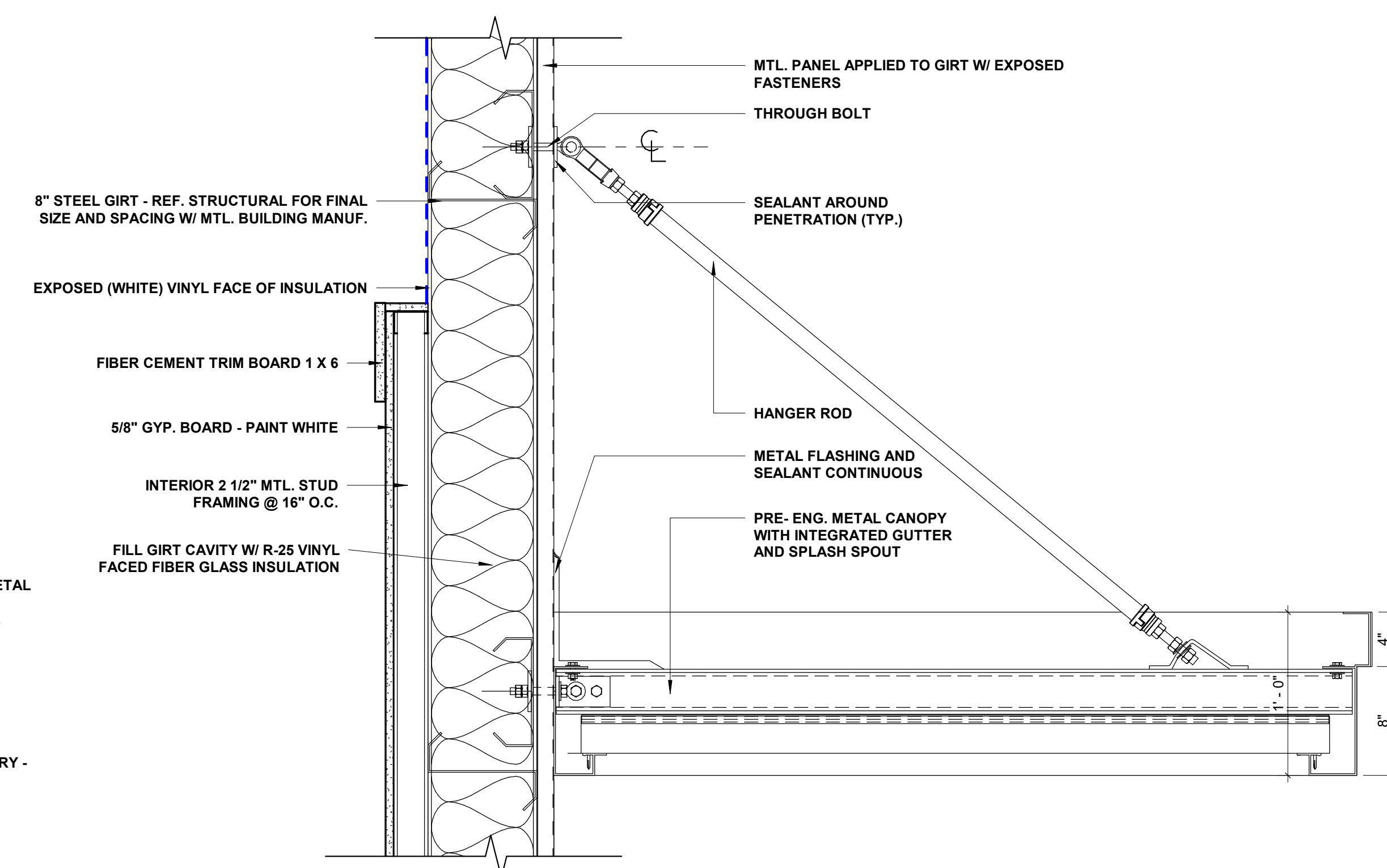
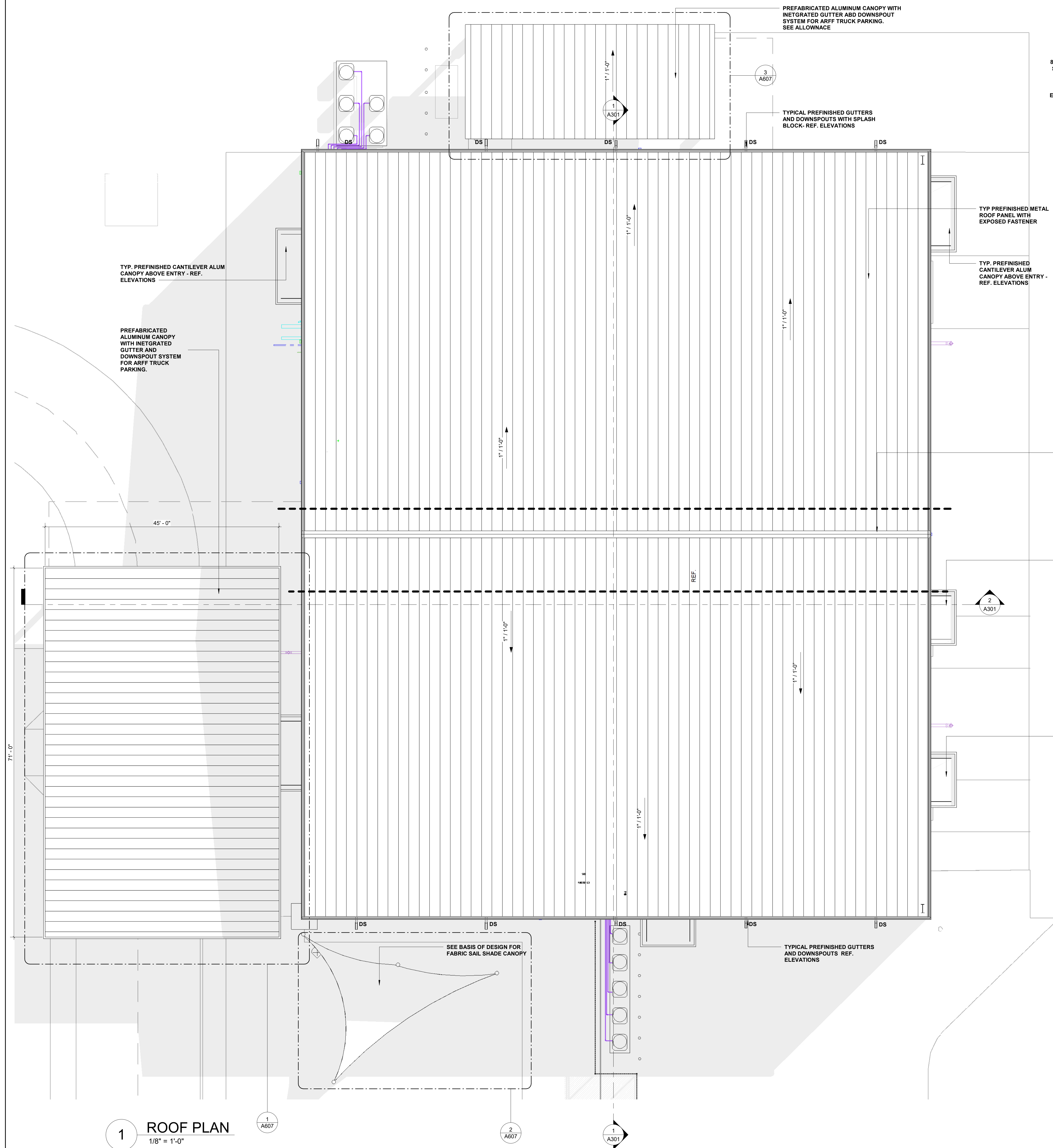
REV	DATE	BY	CHK	DESCRIPTION
1	05/03/2024	BA		ISSUED FOR BID

A111

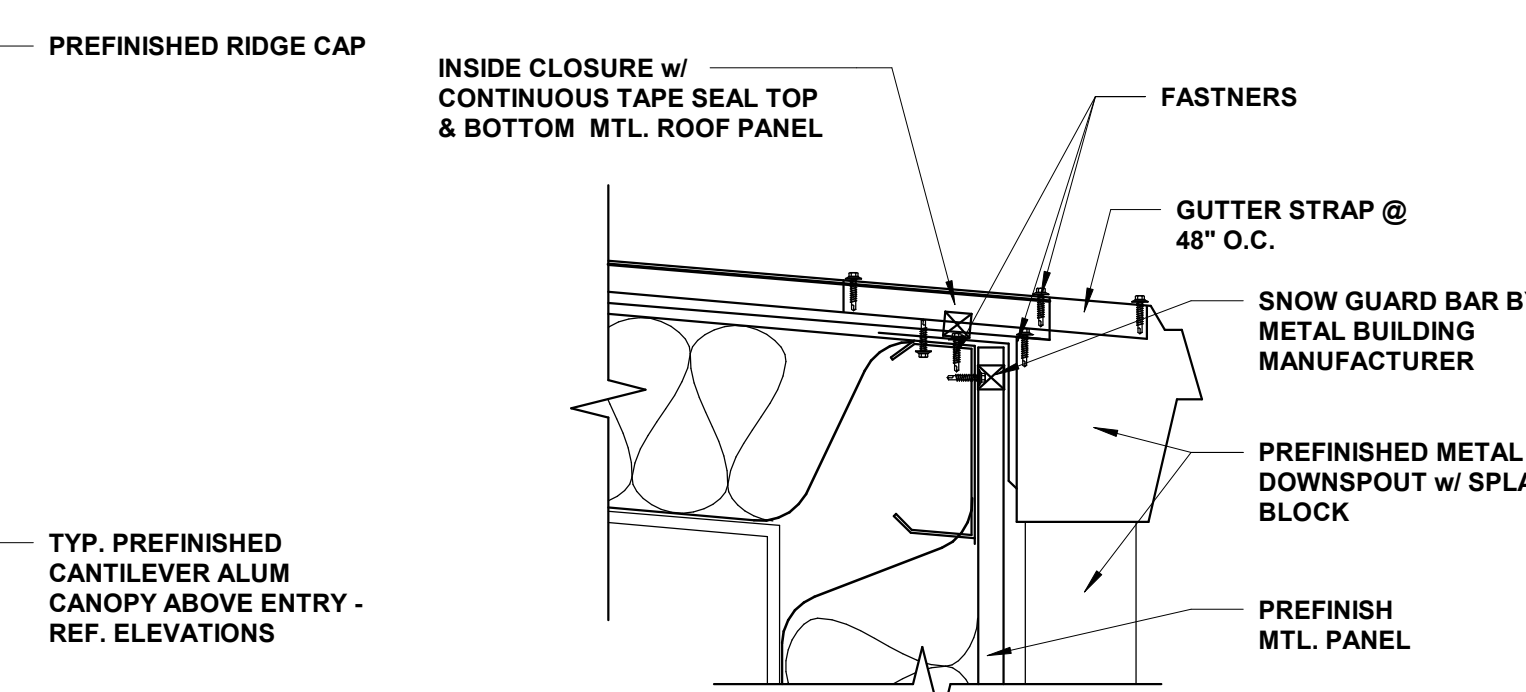
FILE NO: 3110648

1 REFLECTED CEILING PLAN-FIRST FLOOR
1/8" = 1'-0"

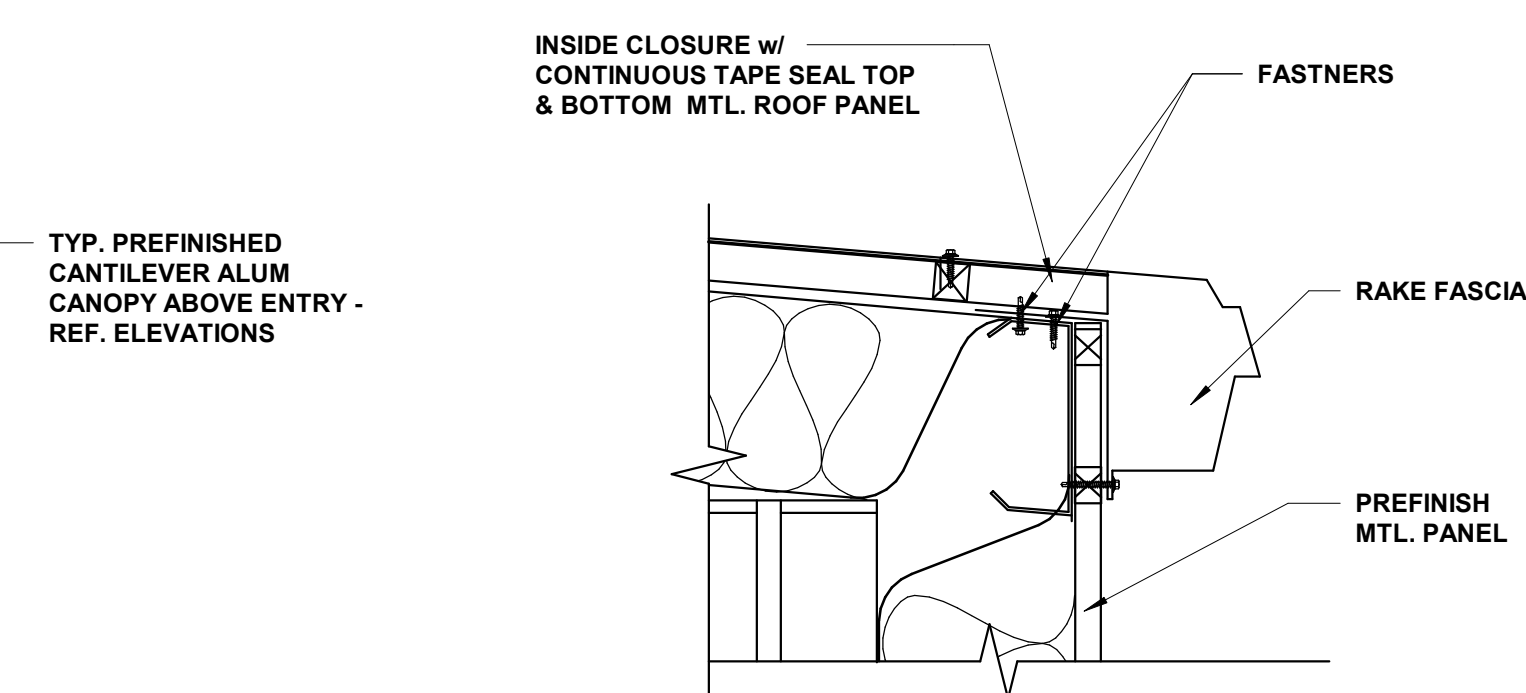
Drawn: JAC
Checked: JAC
Title: A111, FIRST FLOOR REFLECTED CEILING PLAN
Date: 05/03/2024
Time: 10:00 AM
Project: Gulf Shores International Airport
Location: Gulf Shores, AL
Client: Renaissance Group



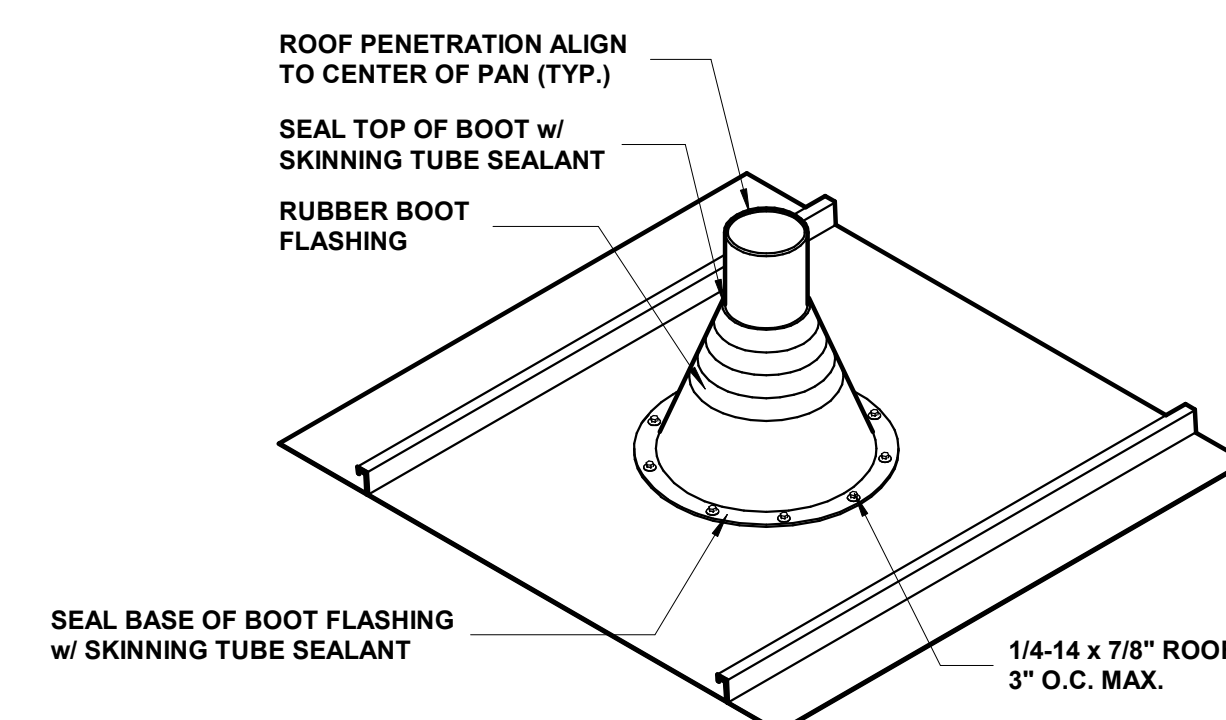
5 CANOPY @ EXTERIOR DOOR
1 1/2" = 1'-0"



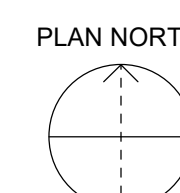
3 GUTTER DETAIL



4 RAKE DETAIL
1 1/2" = 1'-0"



2 ROOF PENETRATION





EXTERIOR ELEVATIONS

NEW TERMINAL BUILDING

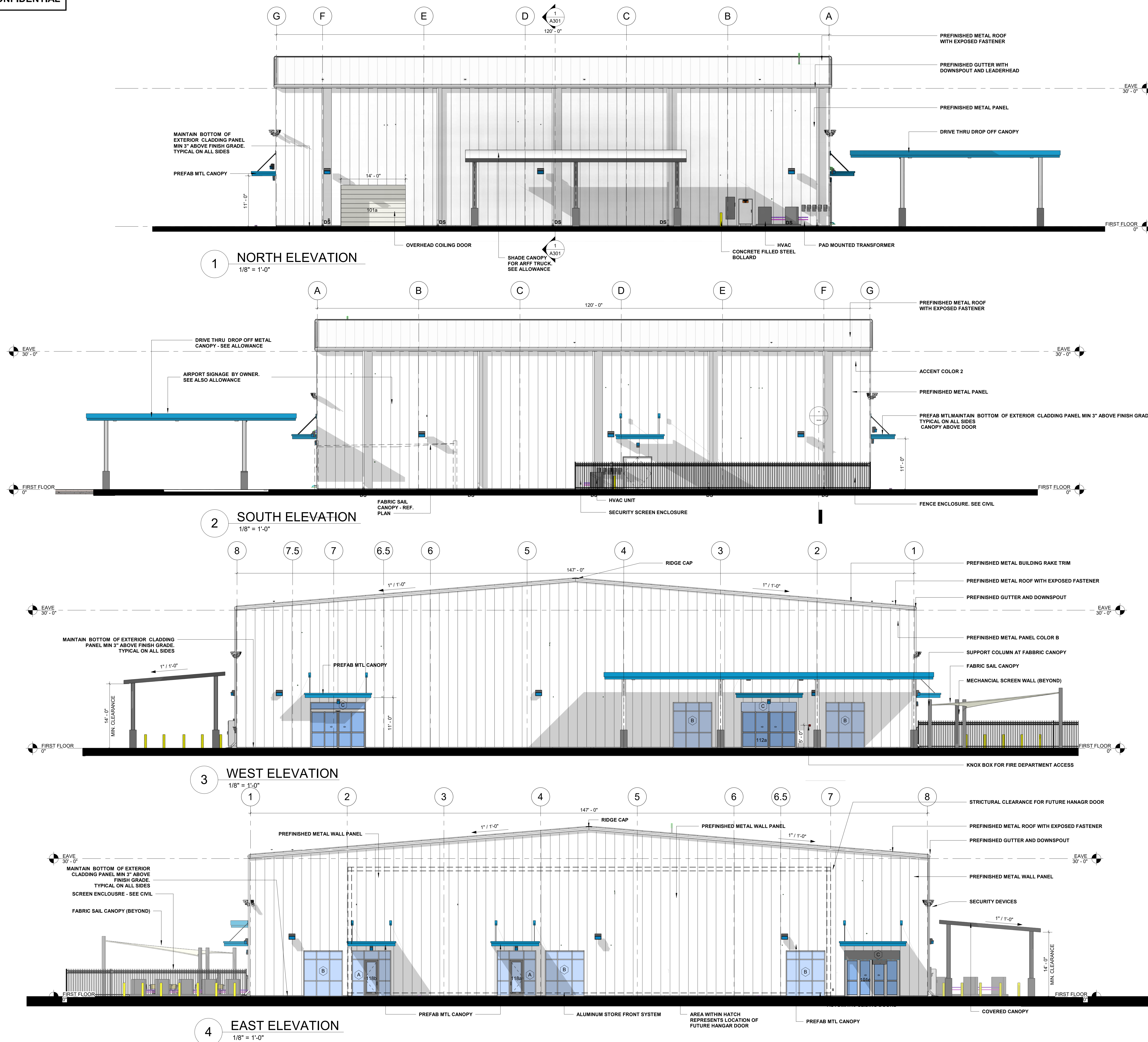
GULF SHORES INTERNATIONAL AIRPORT

Gulf Shores, AL 36542

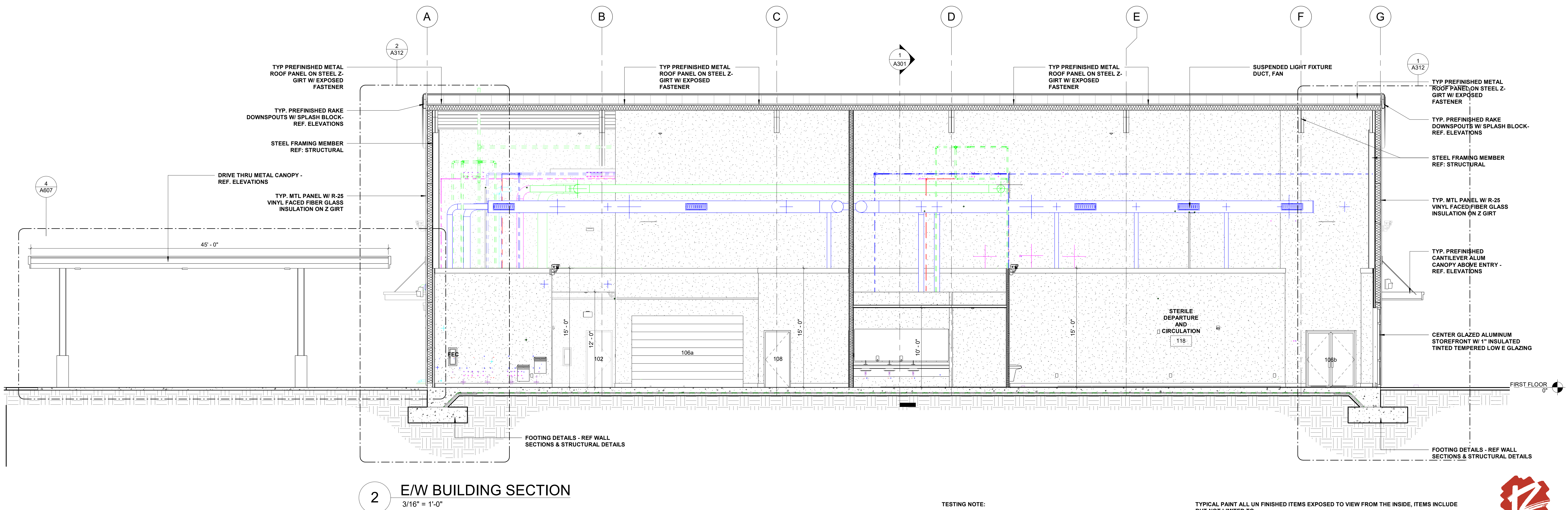
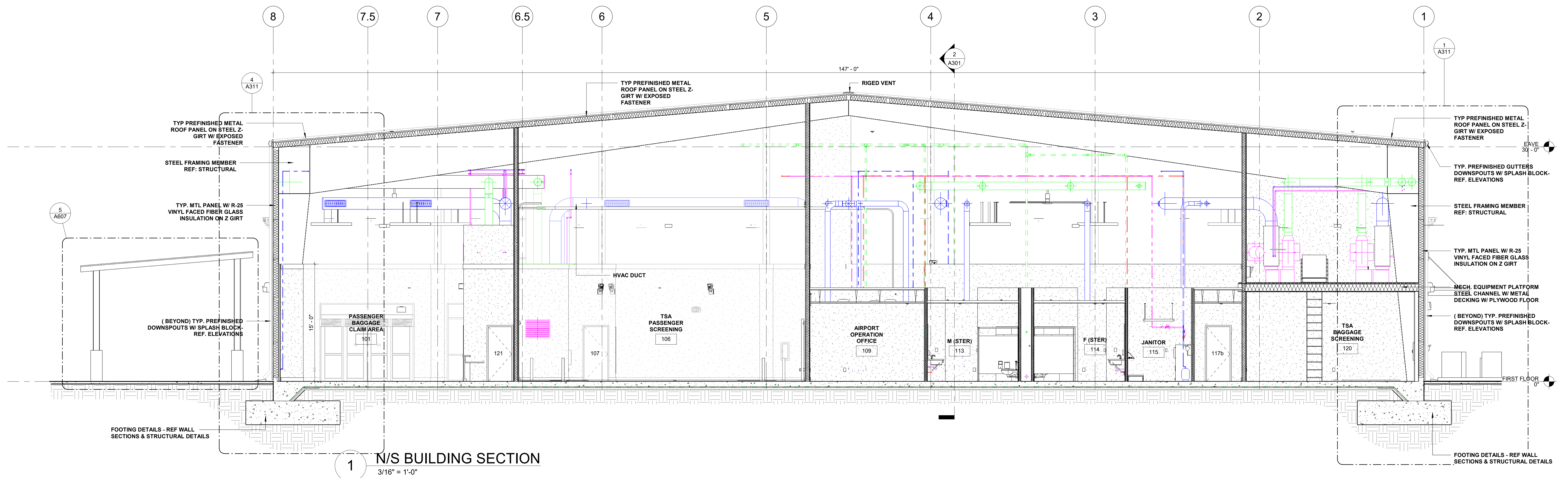
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A201

FILE NO: 3110648



Discipline Sort:
Drawing:
File:
A201, EXTERIOR ELEVATIONS
Autodesk Docs\Gulf Shores New Terminal - 31106\31106\251.54 - Gulf Shores, AL - New Airport Terminal IM



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1. MECHANICAL DUCTWORK AND SUPPORT
2. PRE ENGINEERING BUILDING STRUCTURE PRIMARY AND SECONDARY FRAMING
3. VINYL FACED INSULATION
4. PLUMBING PIPING AND SUPPORT
5. ELECTRICAL CONDUITS AND JUNCTION BOXES, RACEWAY, J HOOKS
6. EXPOSED WIRING.
7. GYPSUM WALL BOARD

FINAL COLOR TO BE APPROVED BY OWNER.



2 TYP. ENLARGED WALL SEC.
1 1/2" = 1'-0"

- MTL. PANEL APPLIED TO GIRT W/ EXPOSED FASTENERS
- 8" STEEL GIRT - REF. STRUCTURAL FOR FINAL SIZE AND SPACING W/ MTL. BUILDING MANUF.
- EXPOSED (WHITE) VINYL FACE OF INSULATION
- FIBER CEMENT TRIM BOARD 1 X 6
- FILL GIRT CAVITY W/ R-30 VINYL FACED FIBER GLASS INSULATION
- INTERIOR 2 1/2" MTL. STUD FRAMING @ 16" O.C.
- 5/8" GYP. BOARD - PAINT WHITE

- PREFINISHED METAL ROOF W/ EXPOSED FASTENER
- U-0.035 VINYL FACED FIBER GLASS INSULATION (R19+R11 WITH THERMAL BLOCK)
- PREFINISHED MTL. GUTTER - COLOR TO MATCH MTL. PANEL 01
- PAINTED METAL BUILDING RIGID FRAME (BEYOND)
- 8" STEEL GIRT - REF. STRUCTURAL FOR FINAL SIZE AND SPACING W/ MTL. BUILDING MANUF.
- EXPOSED (WHITE) VINYL FACE OF INSULATION
- 5" X 7" PREFINISHED MTL. DOWNSPOUT - COLOR TO MATCH MTL. PANEL 01

- U-0.035 (R-25) VINYL FACED FIBER GLASS INSULATION WITH QUIKSTOP THERMAL BREAK TAPE
- PAINTED METAL BUILDING RIGID FRAME (BEYOND)

- MTL. PANEL APPLIED TO GIRT W/ EXPOSED FASTENERS
- 8" STEEL GIRT - REF. STRUCTURAL FOR FINAL SIZE AND SPACING W/ MTL. BUILDING MANUF.
- R-30 VINYL FACED FIBER GLASS INSULATION
- 5/8" GYP. BOARD - PAINT
- INTERIOR 2 1/2" MTL. STUD FRAMING @ 16" O.C.

- SEE FINISH SCHEDULE FOR FLOORING AND FINISH LEVEL
- RUBBER BASE - TYPICAL AT ALL SPACES
- FLASHING @ SILL OF METAL PANEL W/ WATER PROOFING
- MAINTAIN 3" SEPARATION BETWEEN BOTTOM OF METAL PANEL AND FINISH GRADE

- EXTERIOR CONCRETE DRIVE/WALK - SLOPE AWAY FOR BLDG FOR DRAINAGE - REF. CIVIL
- FLUID APPLIED WATER PROOFING MEMBRANE - EXTEND 1'-0" MIN AFF.
- UNDERSLAB PERIMETER INSULATION - 2" MIN FULL PERIMETER
- FOOTING AND REINFORCEMENT - REF. STRUCTURAL
- UNDERSLAB CONTINUOUS VAPOR BARRIER
- DRAINABLE GRANULAR FILL. SEE GEOTECH FOR RECOMMENDATION

4 WALL SECTION @ PASSENGER BAGGAGE CLAIM
1/2" = 1'-0"

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

- PREFINISHED METAL ROOF W/ EXPOSED FASTENER
- U-0.035 VINYL FACED FIBER GLASS INSULATION (R19+R11 WITH THERMAL BLOCK)
- PREFINISHED MTL. GUTTER - COLOR TO MATCH MTL. PANEL 01
- PAINTED METAL BUILDING RIGID FRAME (BEYOND)
- 8" STEEL GIRT - REF. STRUCTURAL FOR FINAL SIZE AND SPACING W/ MTL. BUILDING MANUF.
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- MTL. PANEL APPLIED TO GIRT W/ EXPOSED FASTENERS
- U-0.035 (R-25) VINYL FACED FIBER GLASS INSULATION WITH QUIKSTOP THERMAL BREAK TAPE
- 8" STEEL GIRT - REF. STRUCTURAL FOR FINAL SIZE AND SPACING W/ MTL. BUILDING MANUF.
- 3/4" PLYWOOD FLOOR
- 1 1/2" MTL. STUD ROOF DECKING
- SOUND BATT INSULATION
- 5/8" GYP. BOARD CEILING - PAINT
- R-30 VINYL FACED FIBER GLASS INSULATION
- 5/8" GYP. BOARD - PAINT
- INTERIOR 2" MTL. STUD FRAMING @ 16" O.C.
- SEE FINISH SCHEDULE FOR FLOORING AND FINISH LEVEL
- FLASHING @ SILL OF METAL PANEL W/ WATER PROOFING

- MAINTAIN 3" SEPARATION BETWEEN BOTTOM OF METAL PANEL AND FINISH GRADE
- OUTDOOR UNIT (BEYOND)
- OUTDOOR UNIT (BEYOND)
- EXTERIOR CONCRETE DRIVE/WALK - SLOPE AWAY FOR BLDG FOR DRAINAGE - REF. CIVIL
- FLUID APPLIED WATER PROOFING MEMBRANE - EXTEND 1'-0" MIN AFF.
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- TYPICAL PAINT ALL UN FINISHED ITEMS EXPOSED TO VIEW FROM THE INSIDE, ITEMS INCLUDE BUT NOT LIMITED TO
- MECHANICAL DUCTWORK AND SUPPORT
 - PRE ENGINEERING BUILDING STRUCTURE PRIMARY AND SECONDARY FRAMING
 - VINYL FACED INSULATION
 - PLUMBING PIPING AND SUPPORT
 - ELECTRICAL CONDUITS AND JUNCTION BOXES, RACEWAY, J HOOKS
 - EXPOSED WIRING.
 - GYPSUM WALL BOARD
- FINAL COLOR TO BE APPROVED BY OWNER.

KEY PLAN



A311

WALL SECTIONS

NEW TERMINAL BUILDING
GULF SHORES INTERNATIONAL AIRPORT

Gulf Shores, AL 36542

REVISION INFORMATION

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DR

CHK

DATE

DESCRIPTION

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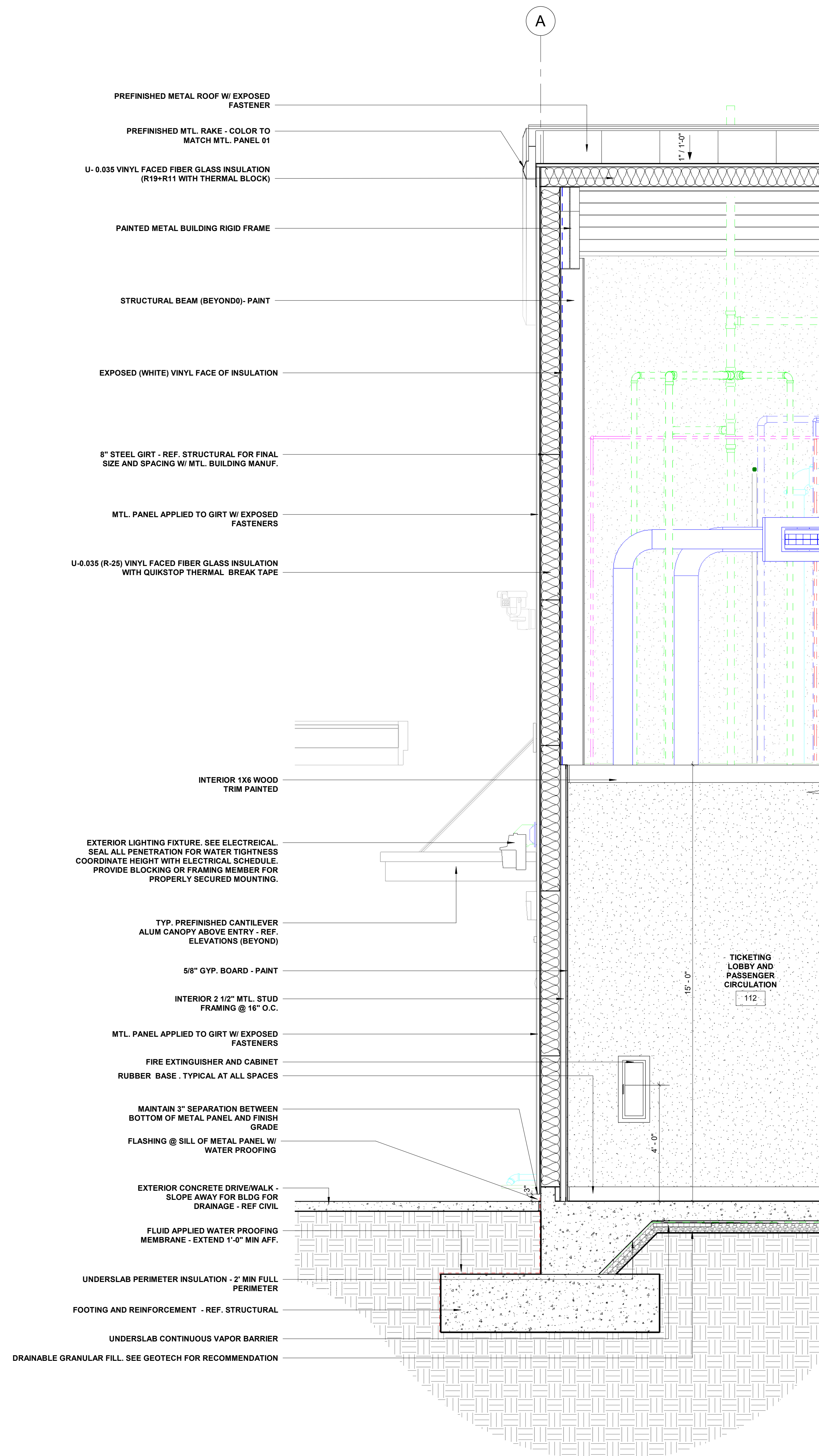
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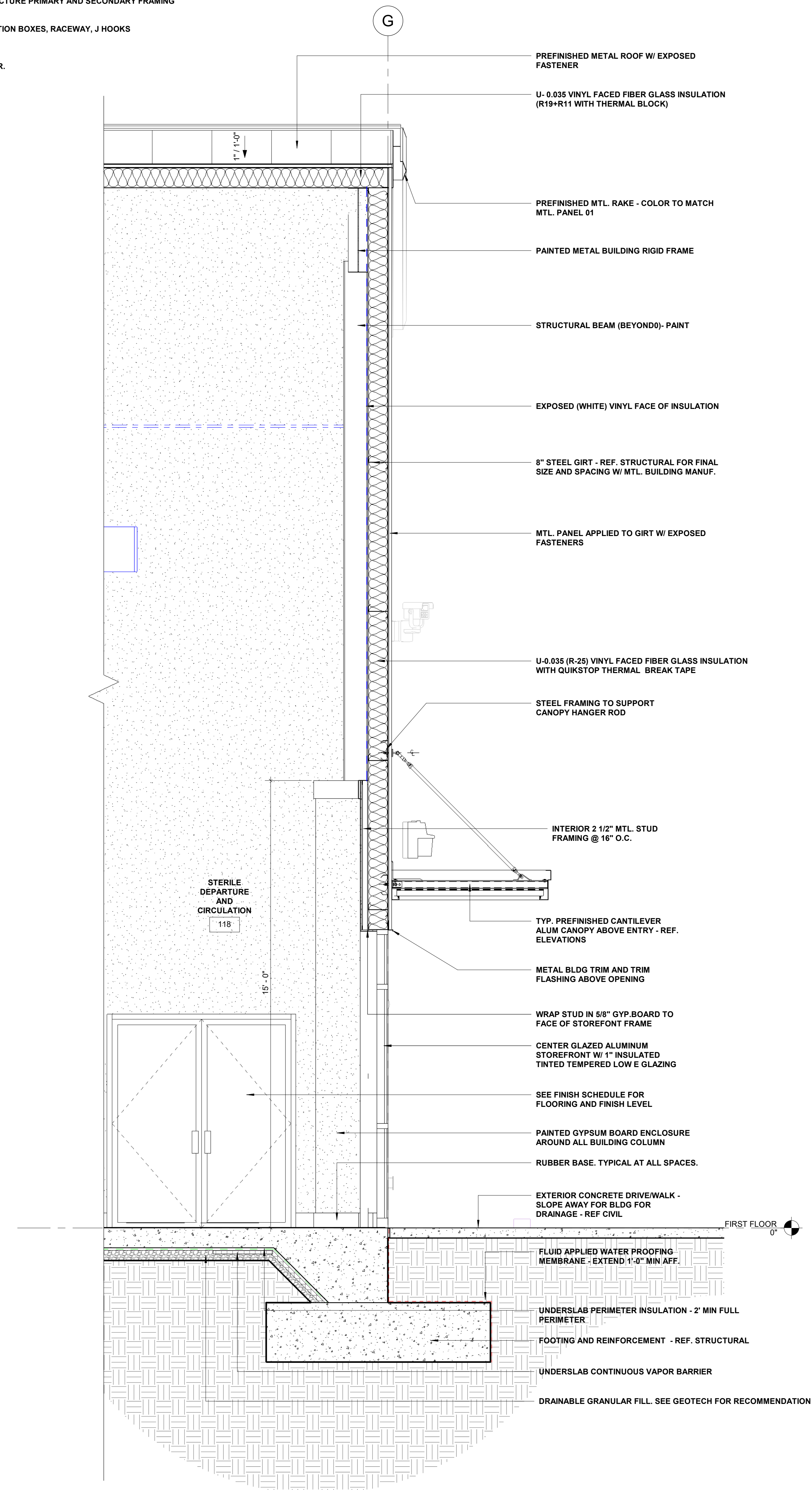
TYPICAL PAINT ALL UN FINISHED ITEMS EXPOSED TO VIEW FROM THE INSIDE, ITEMS INCLUDE BUT NOT LIMITED TO

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7. GYPSUM WALL BOARD

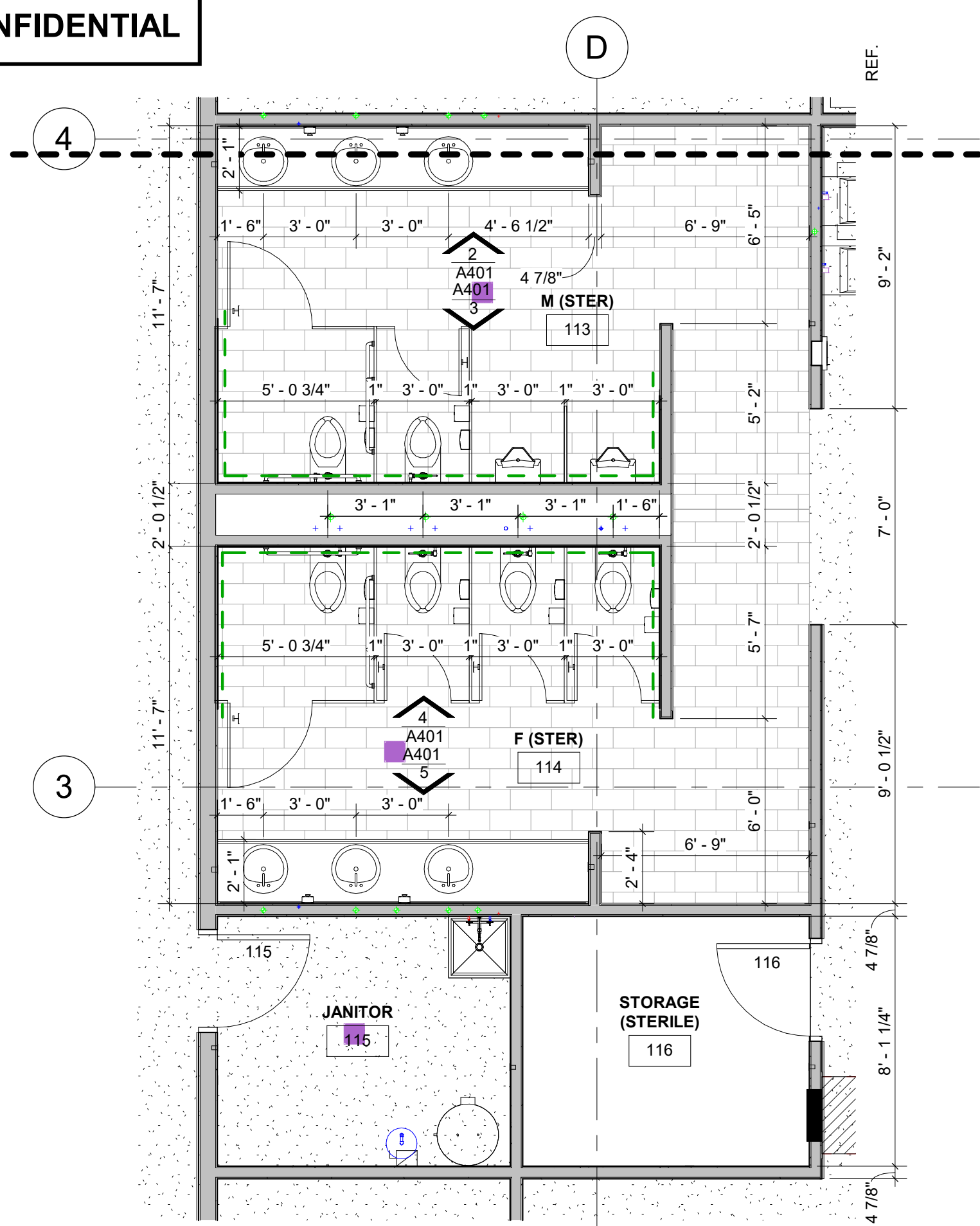
FINAL COLOR TO BE APPROVED BY OWNER



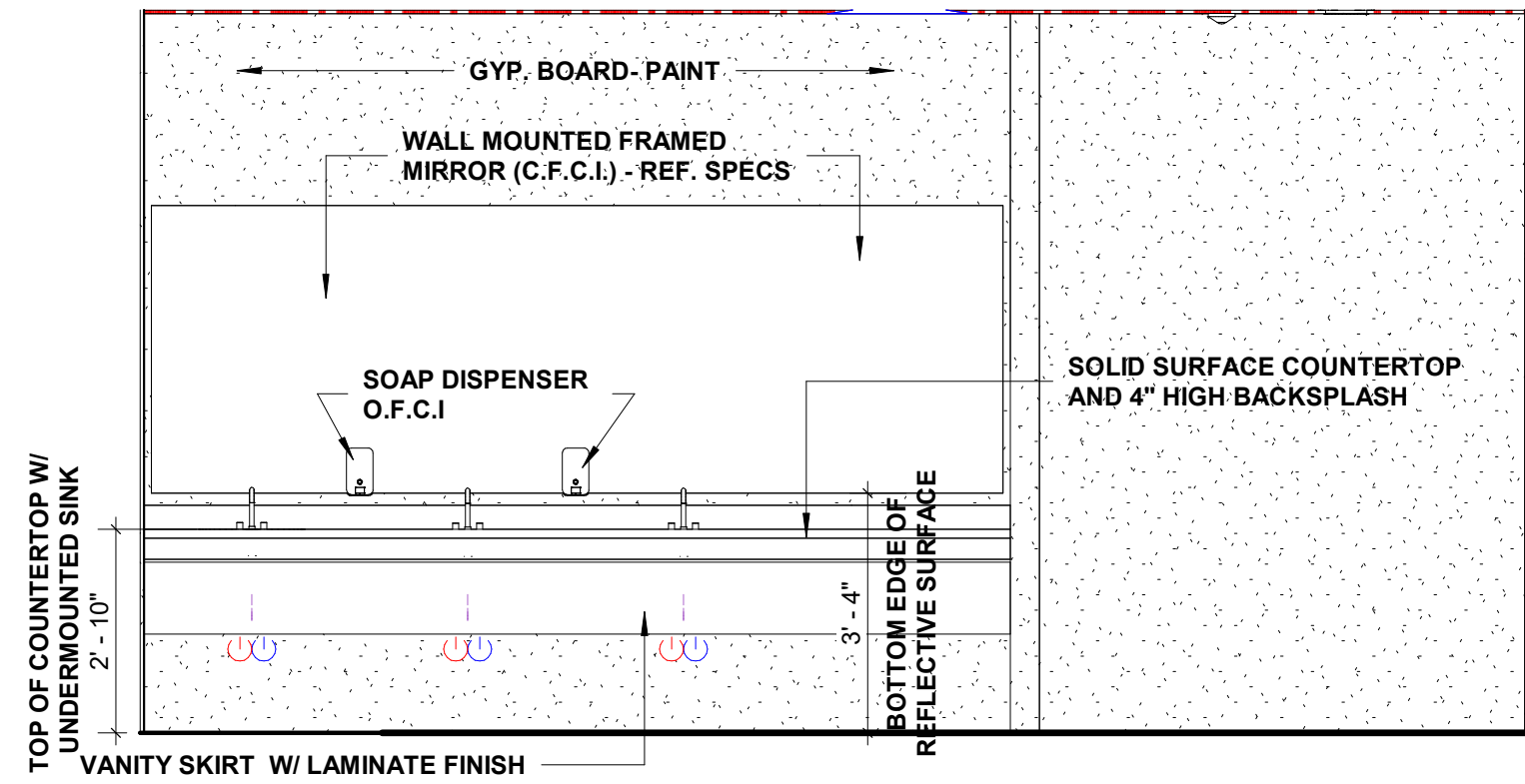
2 E/W BUILDING SECTION - Callout 2
1/2" = 1'-0"



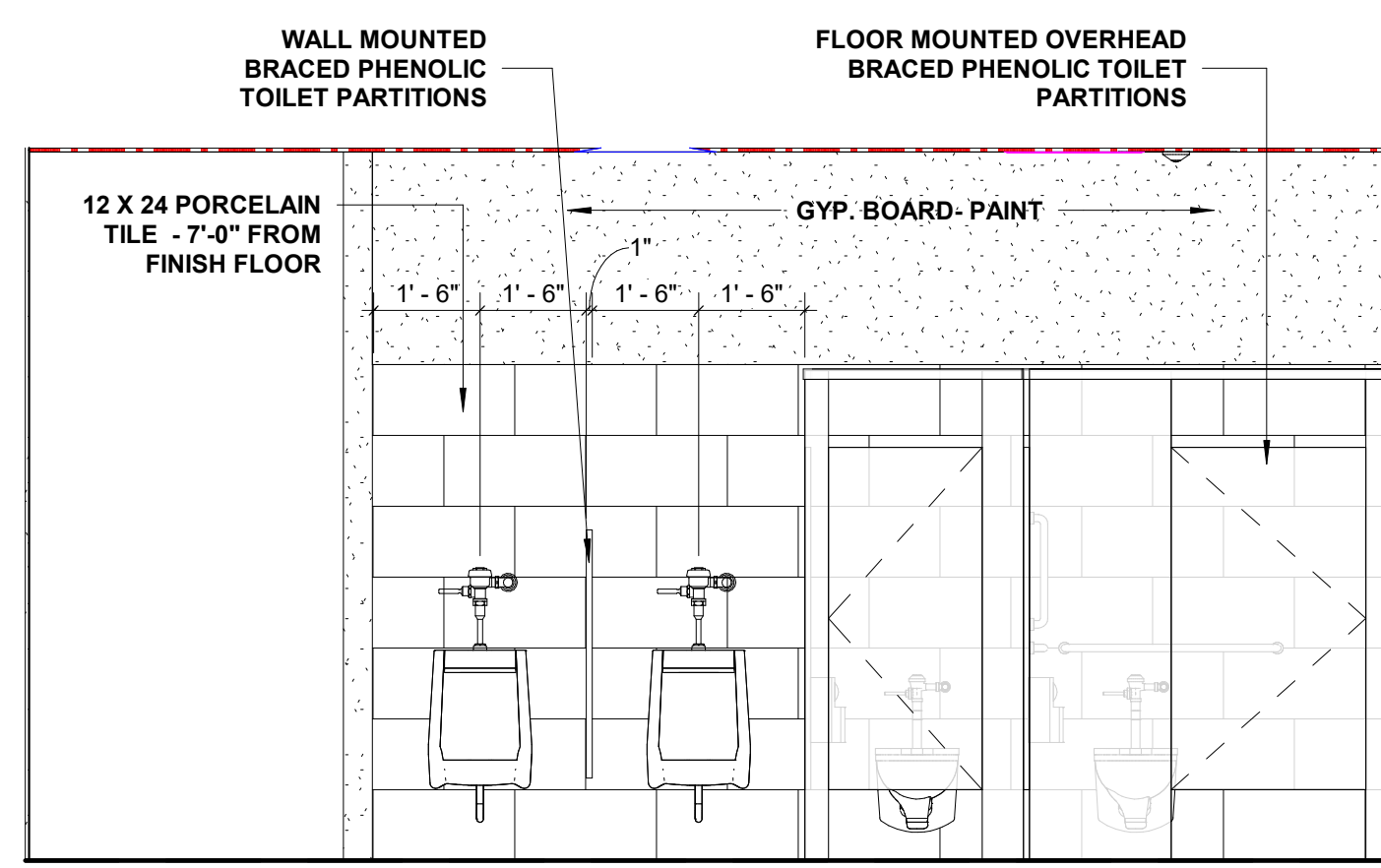
1 WALL SECTION @ STERILE DEPARTURE 118
1/2" = 1'-0"



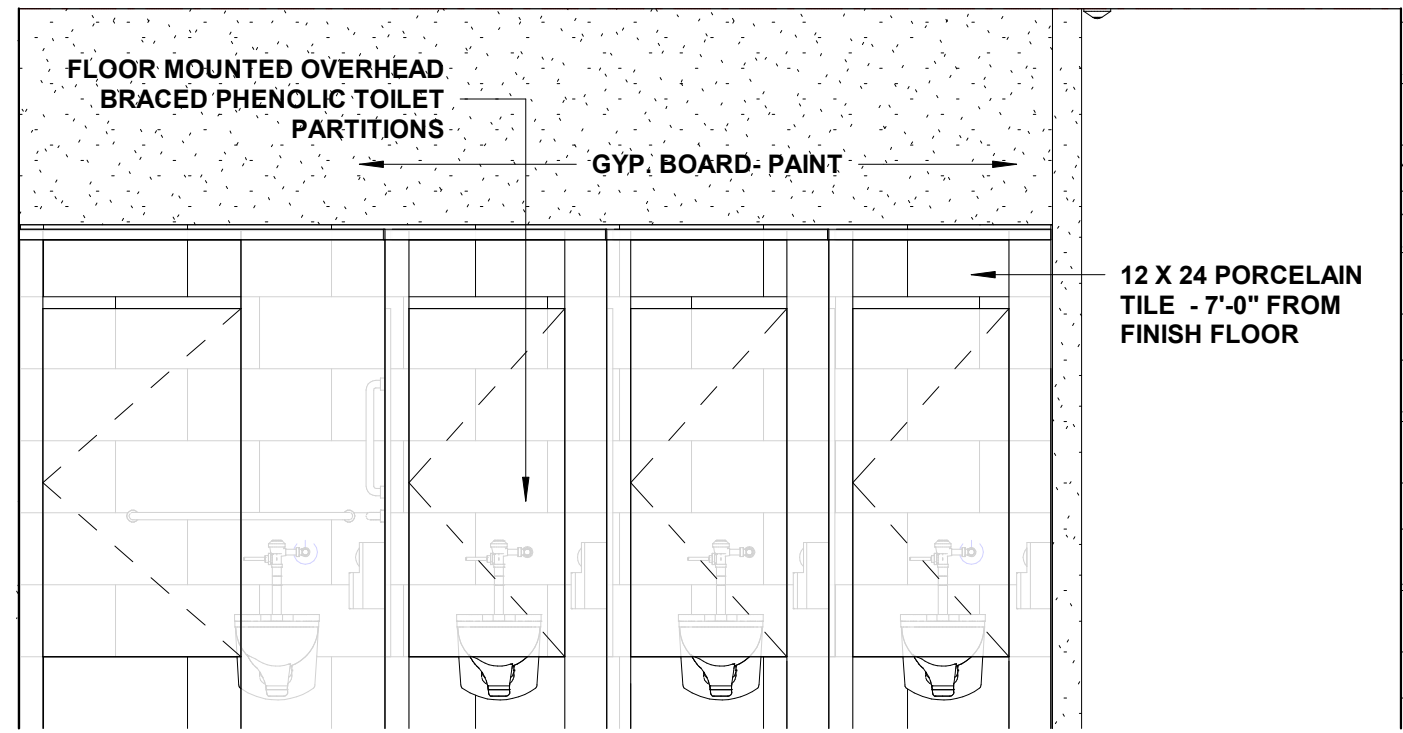
1 ENLARGED RESTROOMS - SECURED
1/4" = 1'-0"



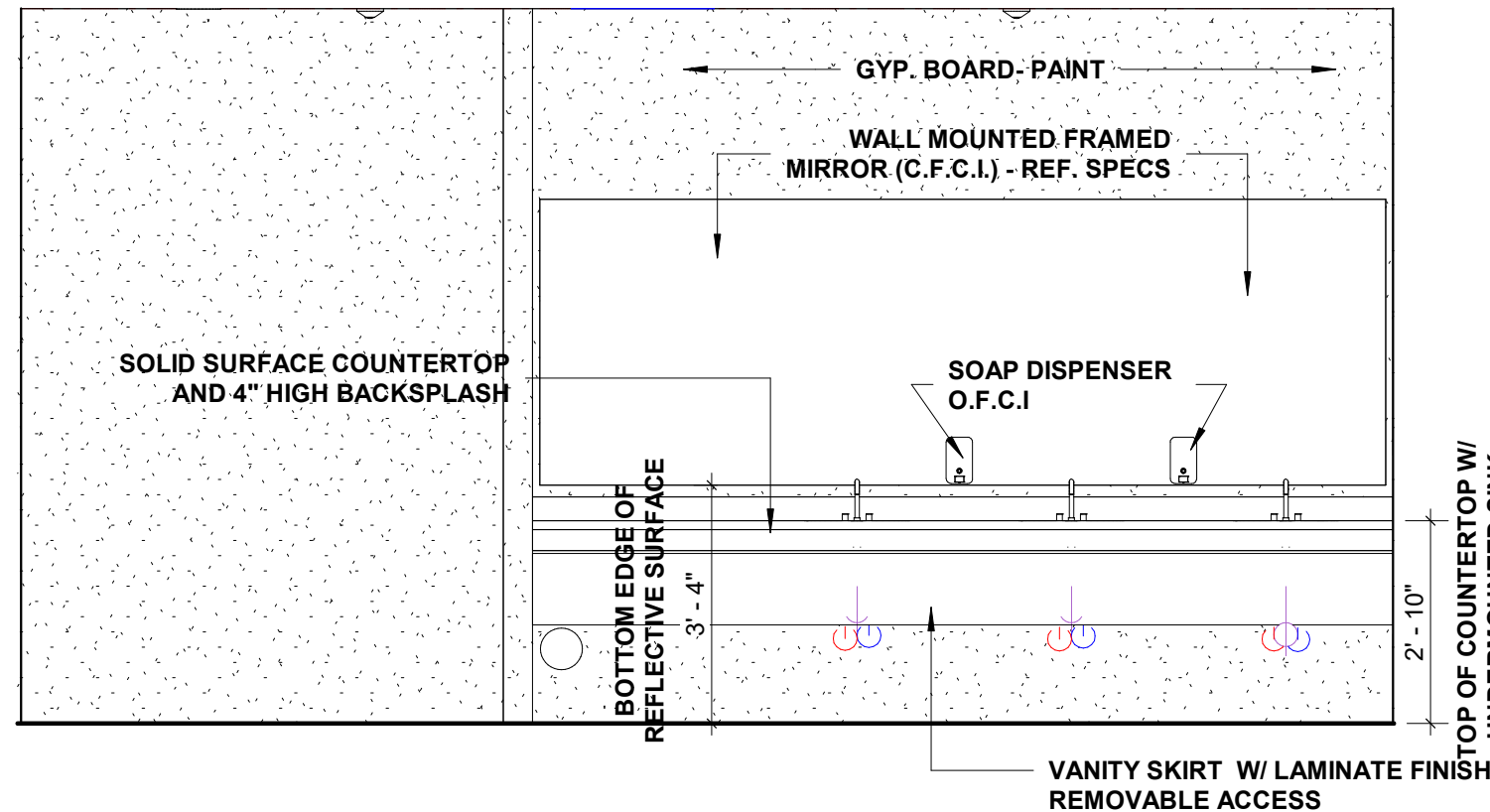
2 INT. ELEV. 1 @ M(STER) 113
3/8" = 1'-0"



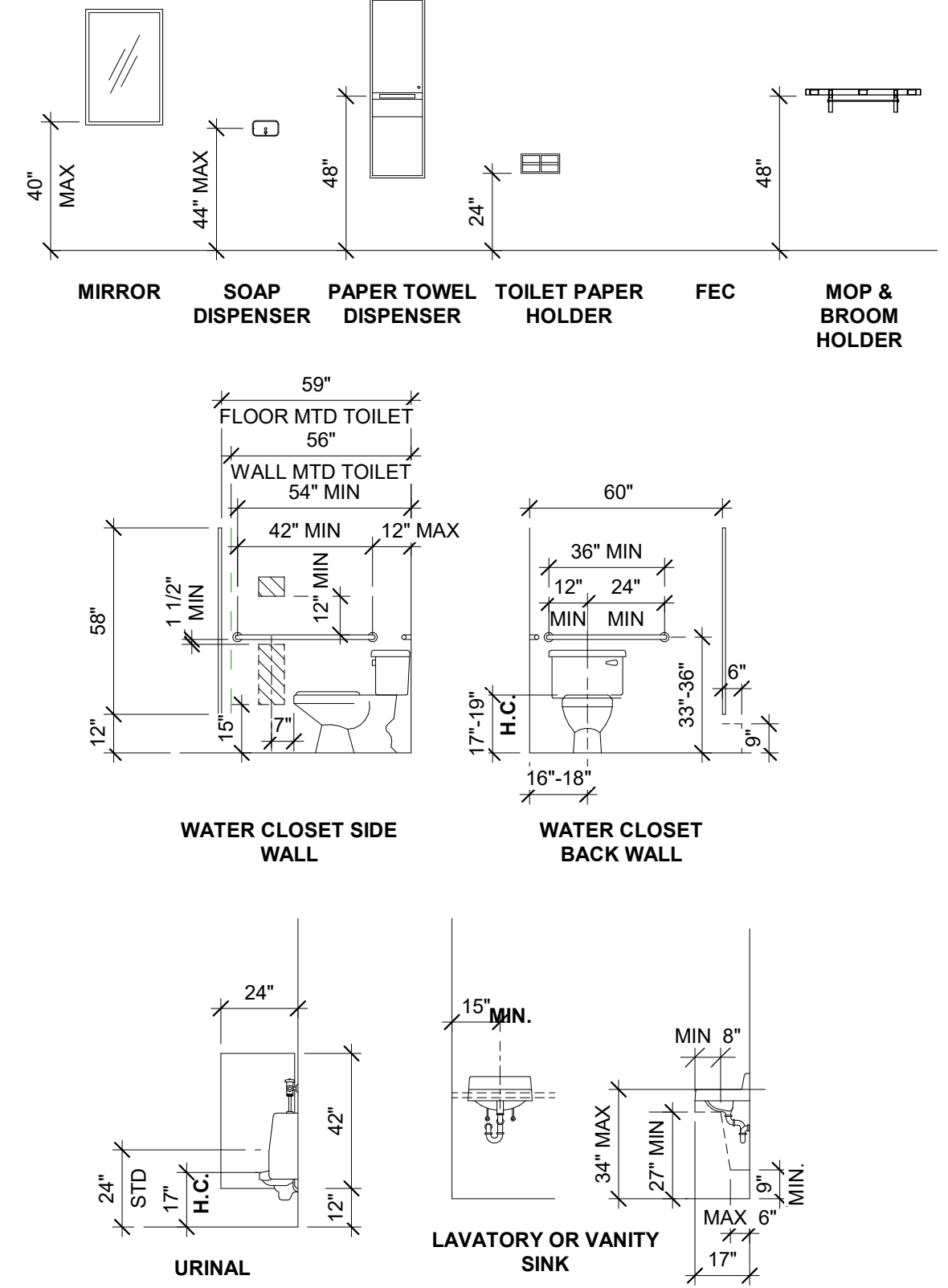
3 INT. ELEV. 2 @ M(STER) 113
3/8" = 1'-0"



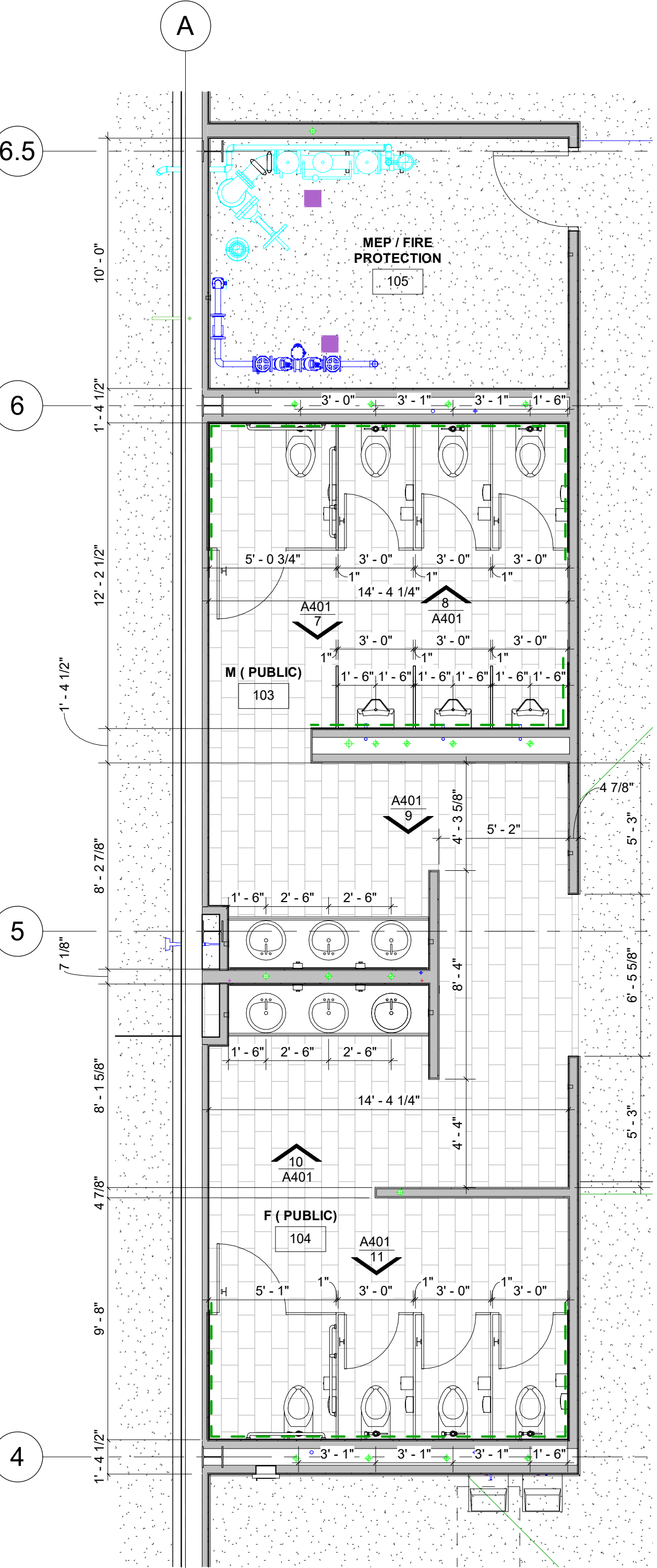
4 INT. ELEV. 1 @ W(STER) 114
3/8" = 1'-0"



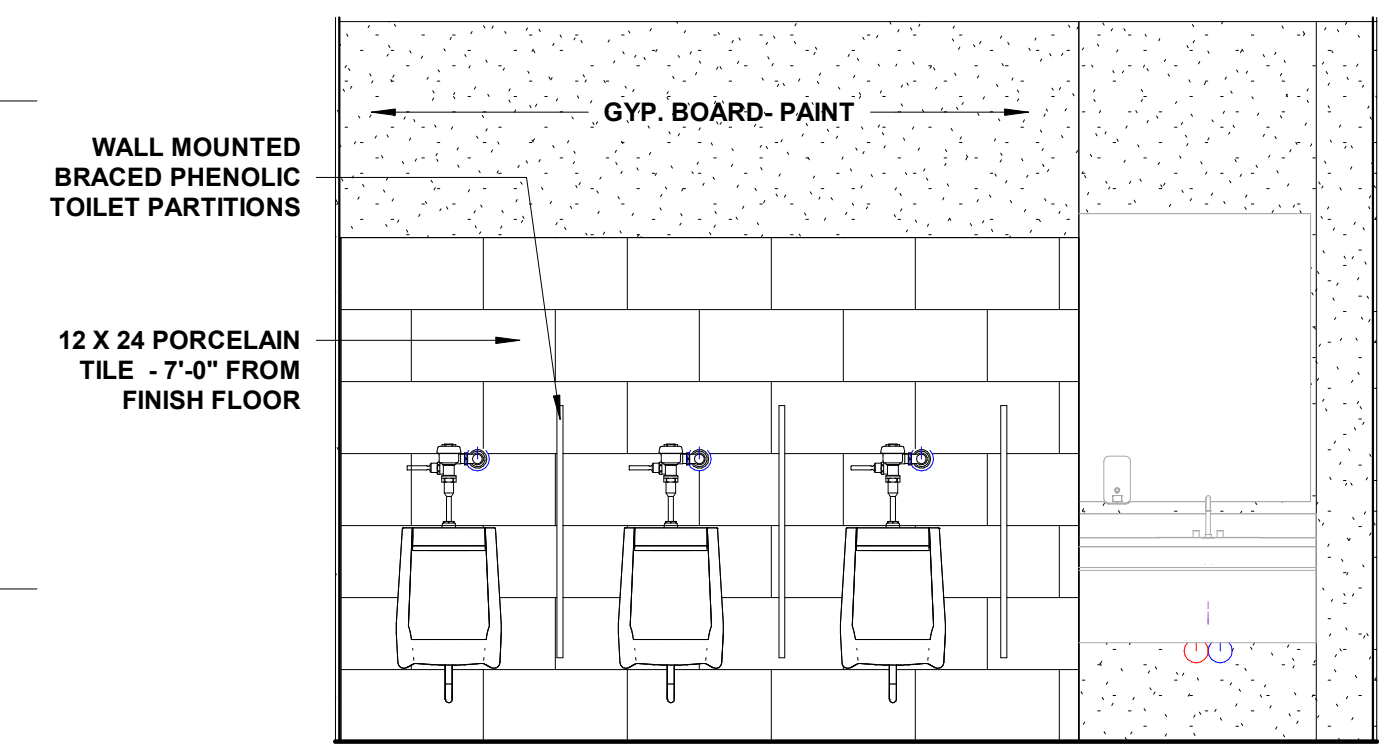
5 INT. ELEV. 2 @ W(STER) 114
3/8" = 1'-0"



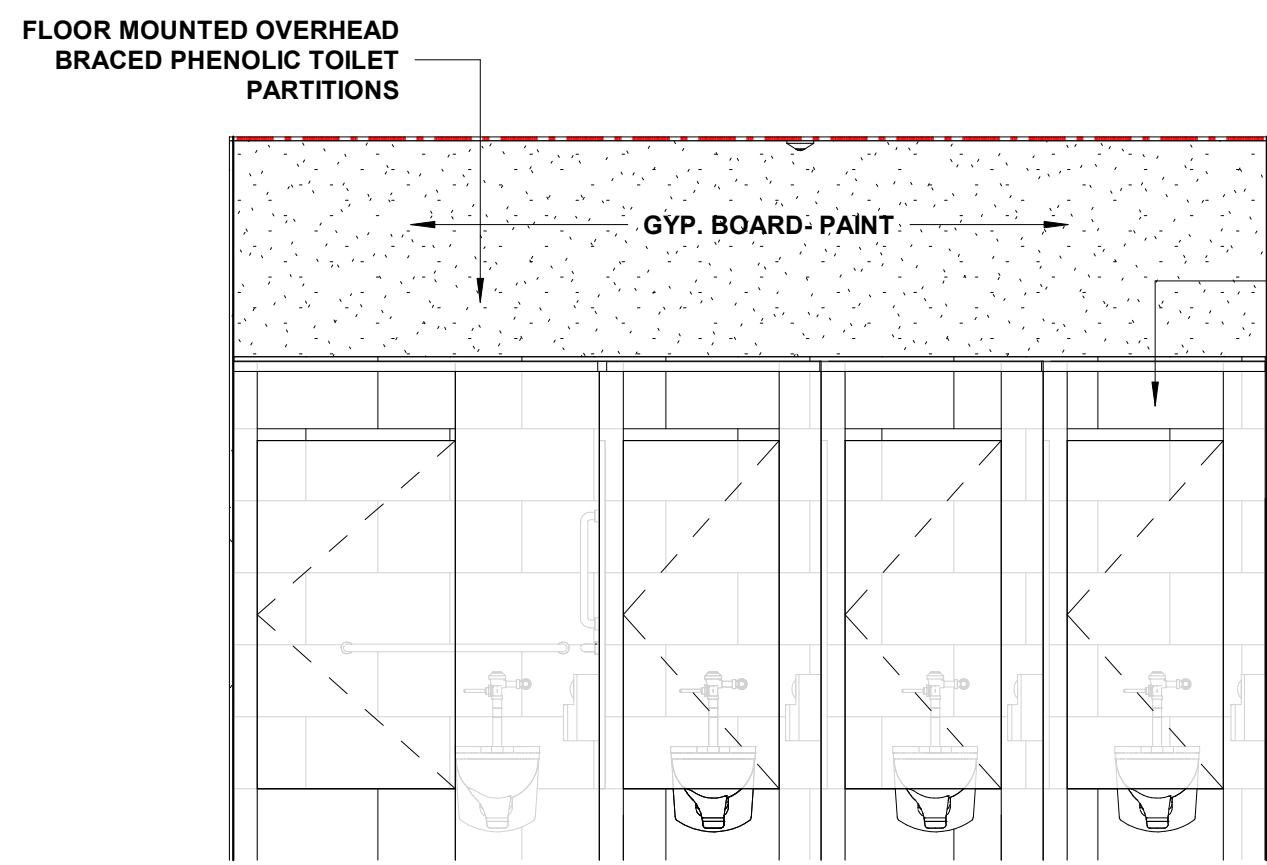
17 ADA MOUNTING HEIGHT REF.
1/4" = 1'-0"



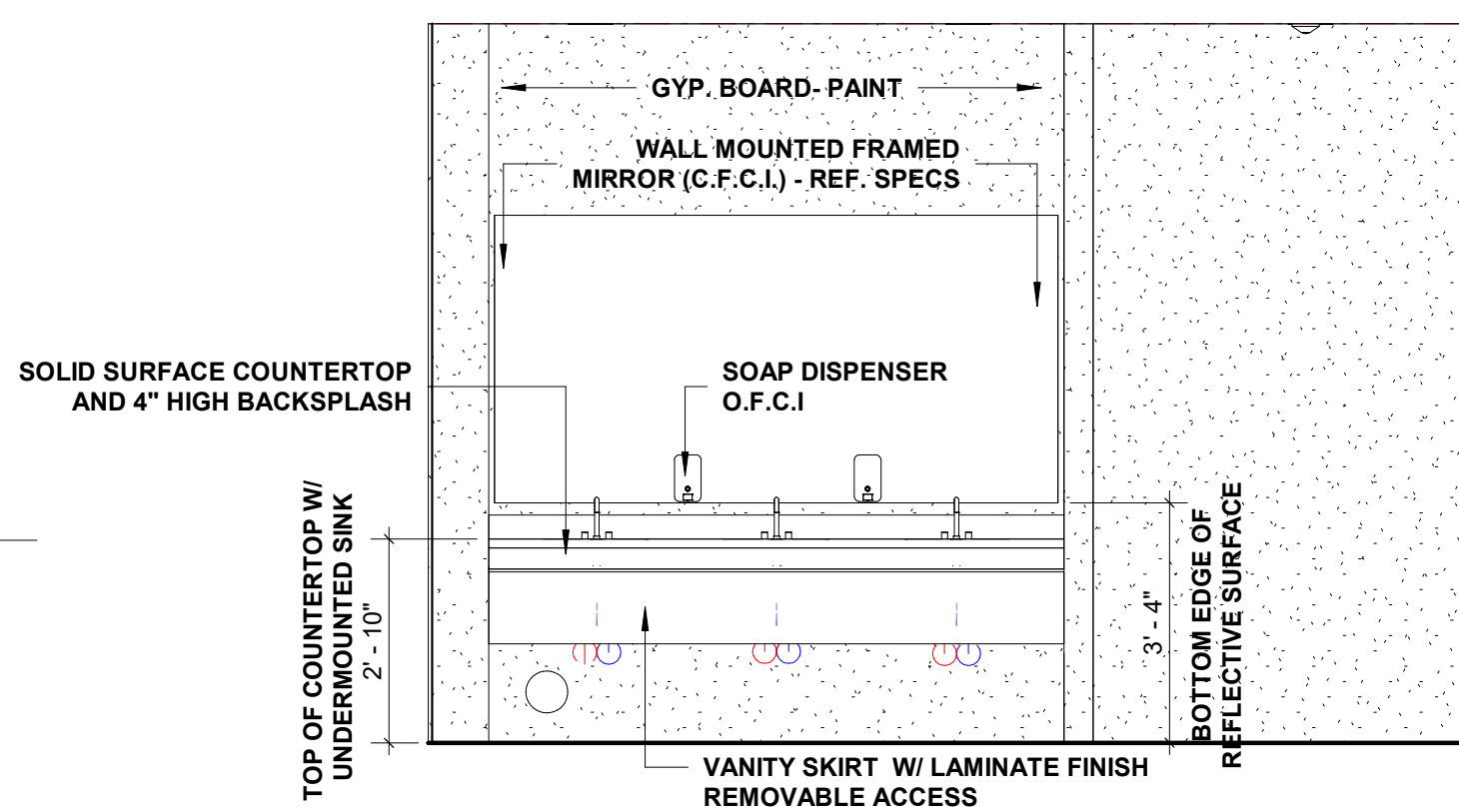
6 ENLARGED RESTROOMS - PUBLIC
1/4" = 1'-0"



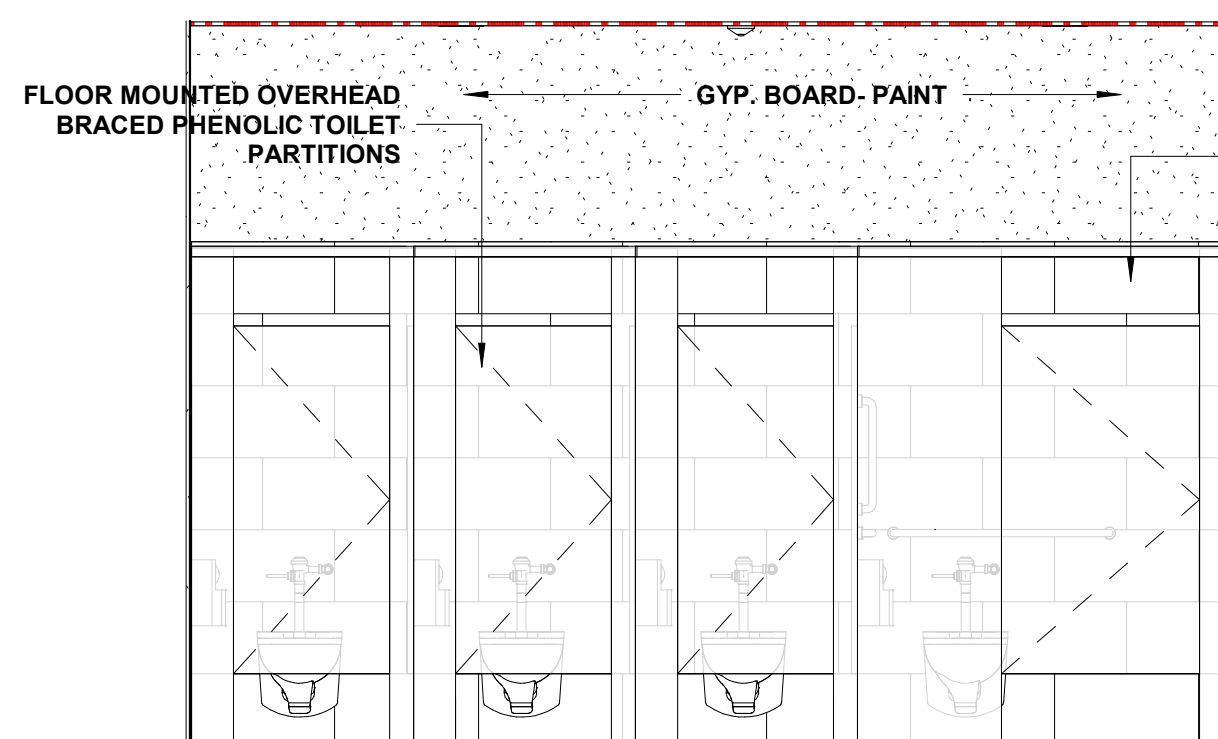
7 INT. ELEV. 1 @ M (PUBLIC) 103
3/8" = 1'-0"



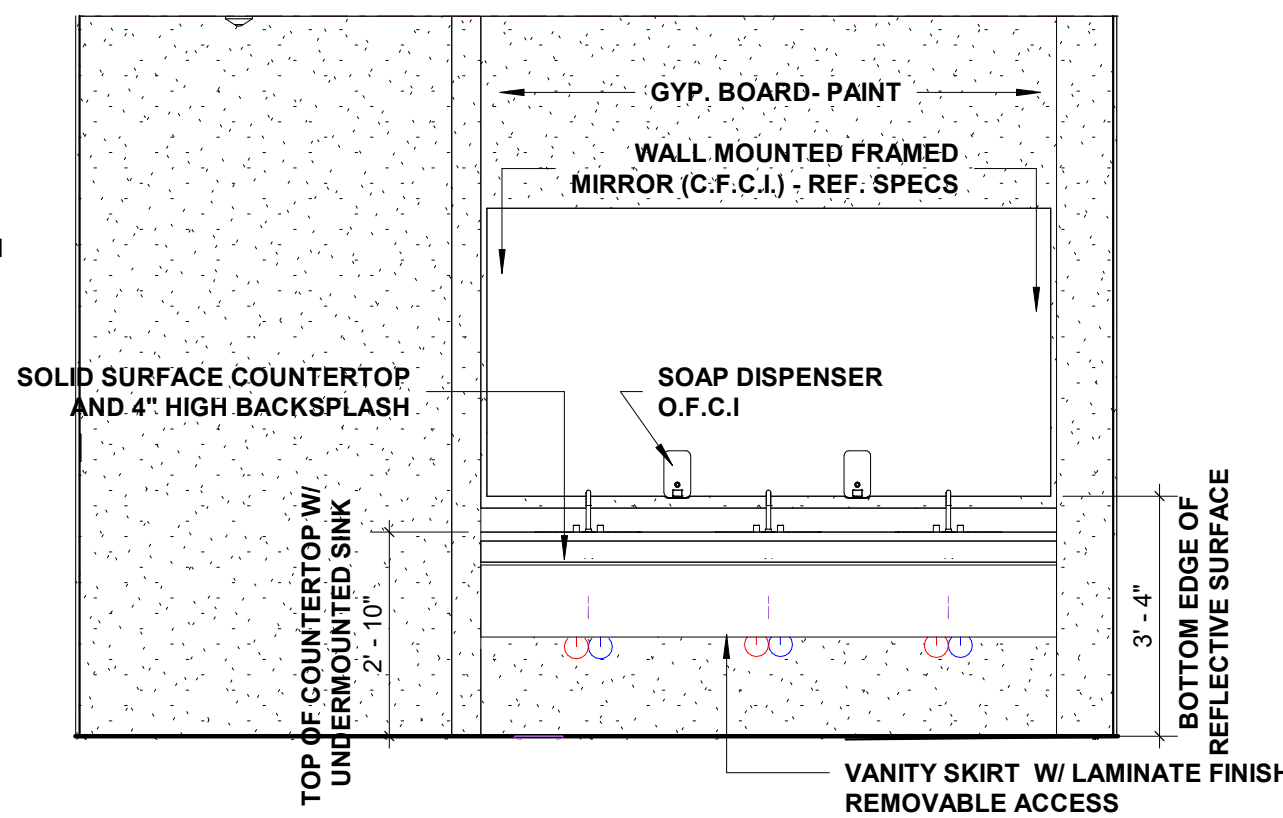
8 INT. ELEV. 2 @ M (PUBLIC) 103
3/8" = 1'-0"



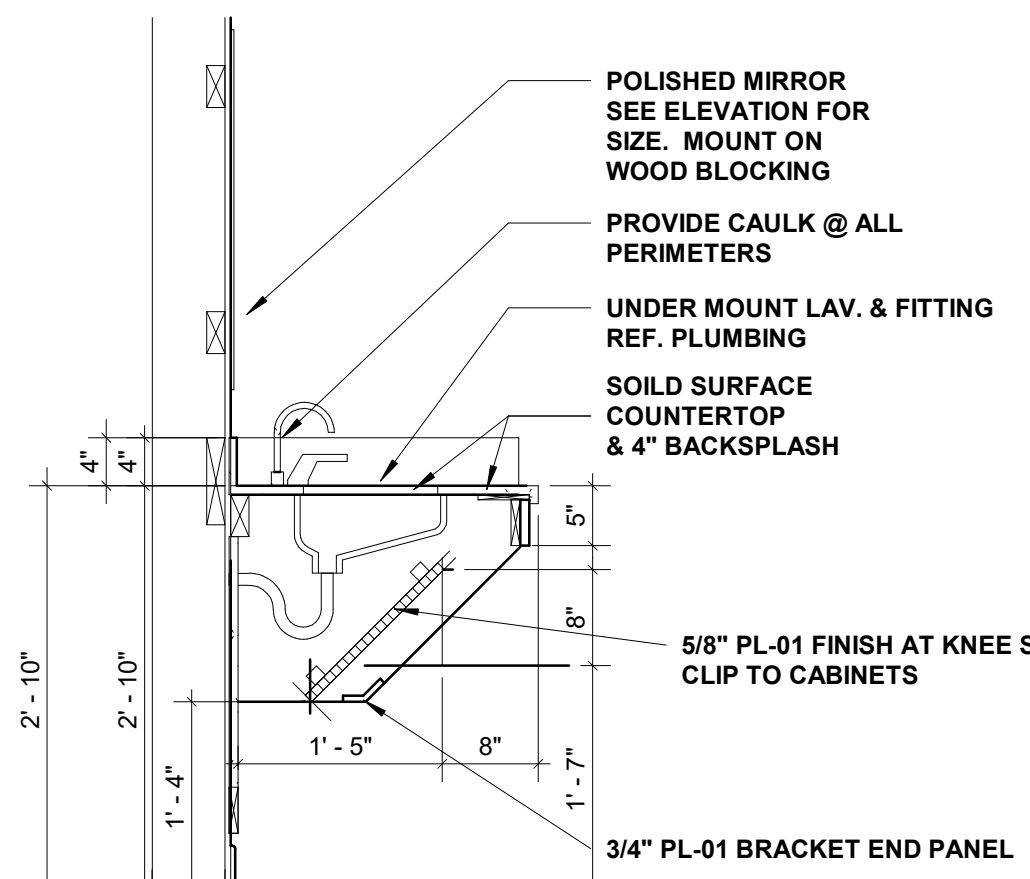
10 INT. ELEV. 1 @ F(PUBLIC) 104
3/8" = 1'-0"



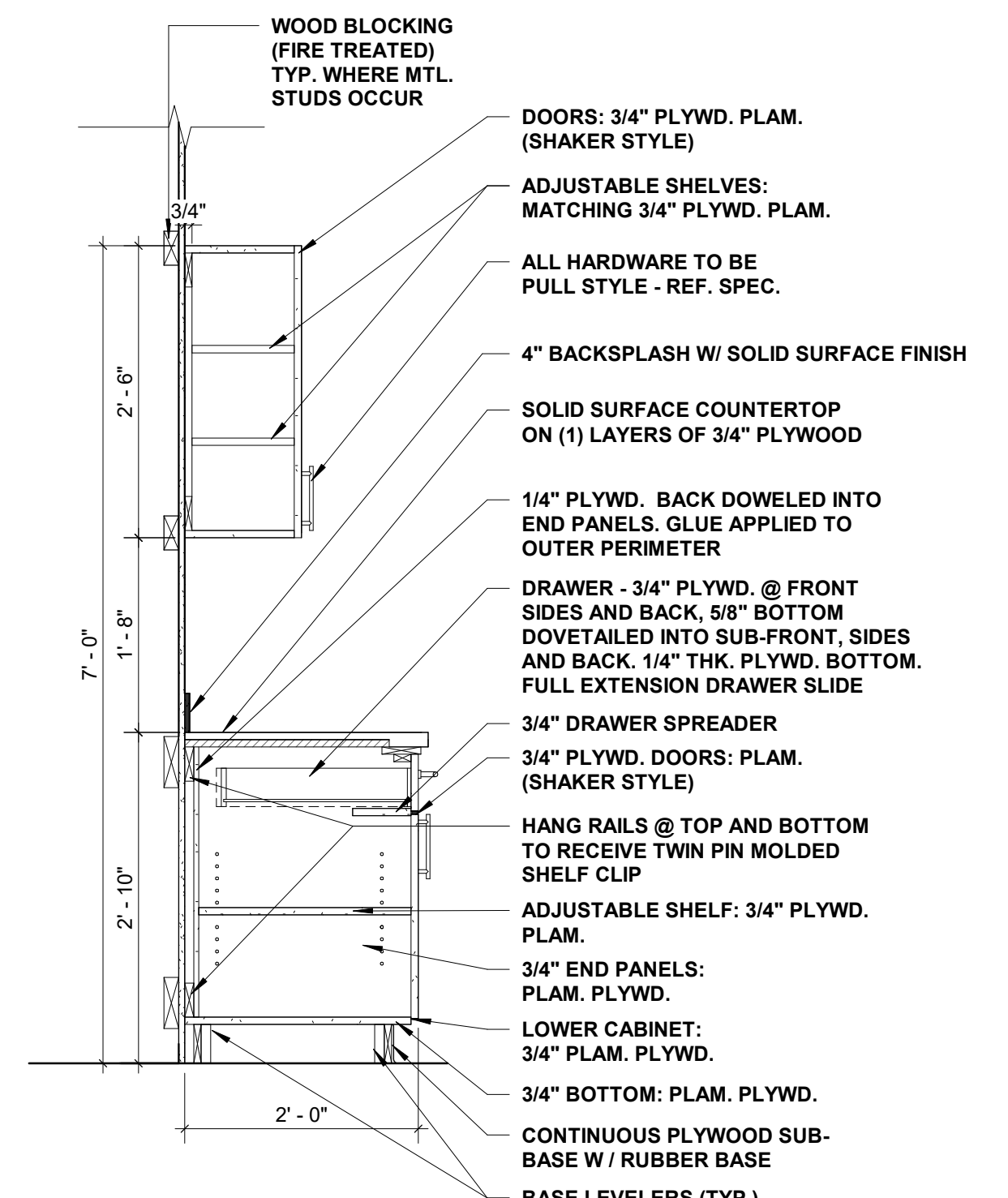
11 INT. ELEV. 2 @ F(PUBLIC) 104
3/8" = 1'-0"



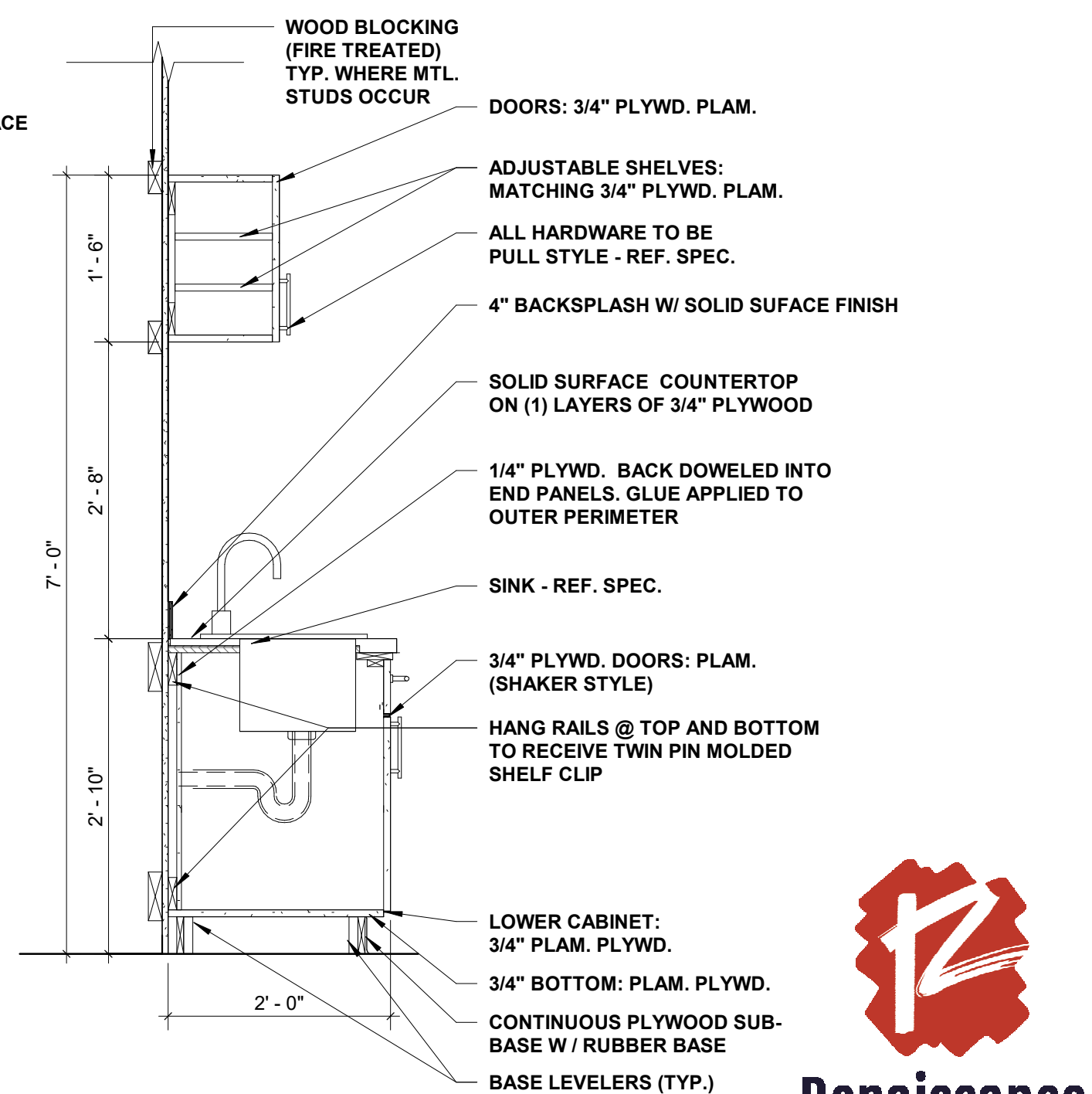
9 INT. ELEV. 3 @ F(PUBLIC) 103
3/8" = 1'-0"



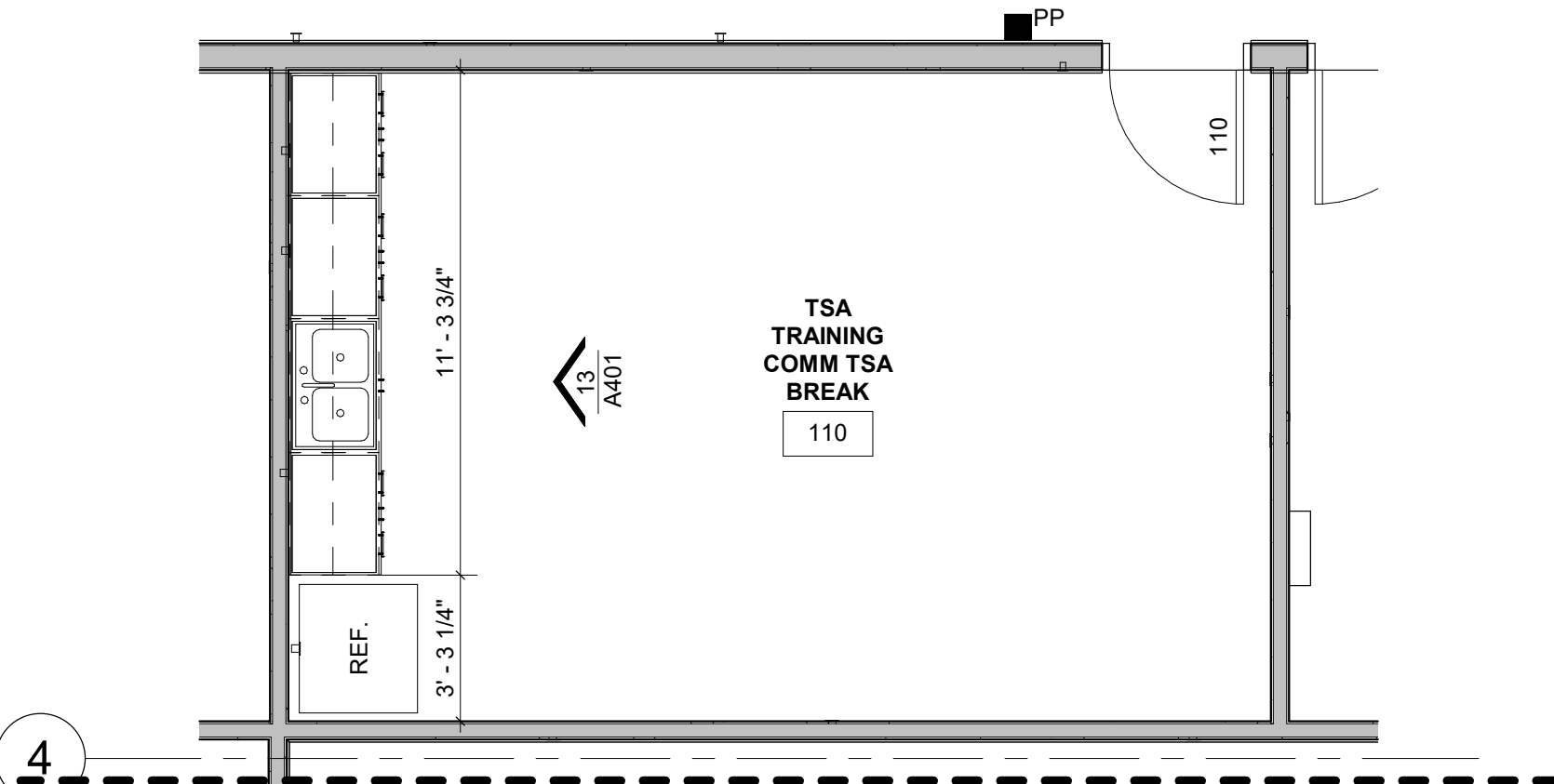
16 VANITY SINK
3/4" = 1'-0"



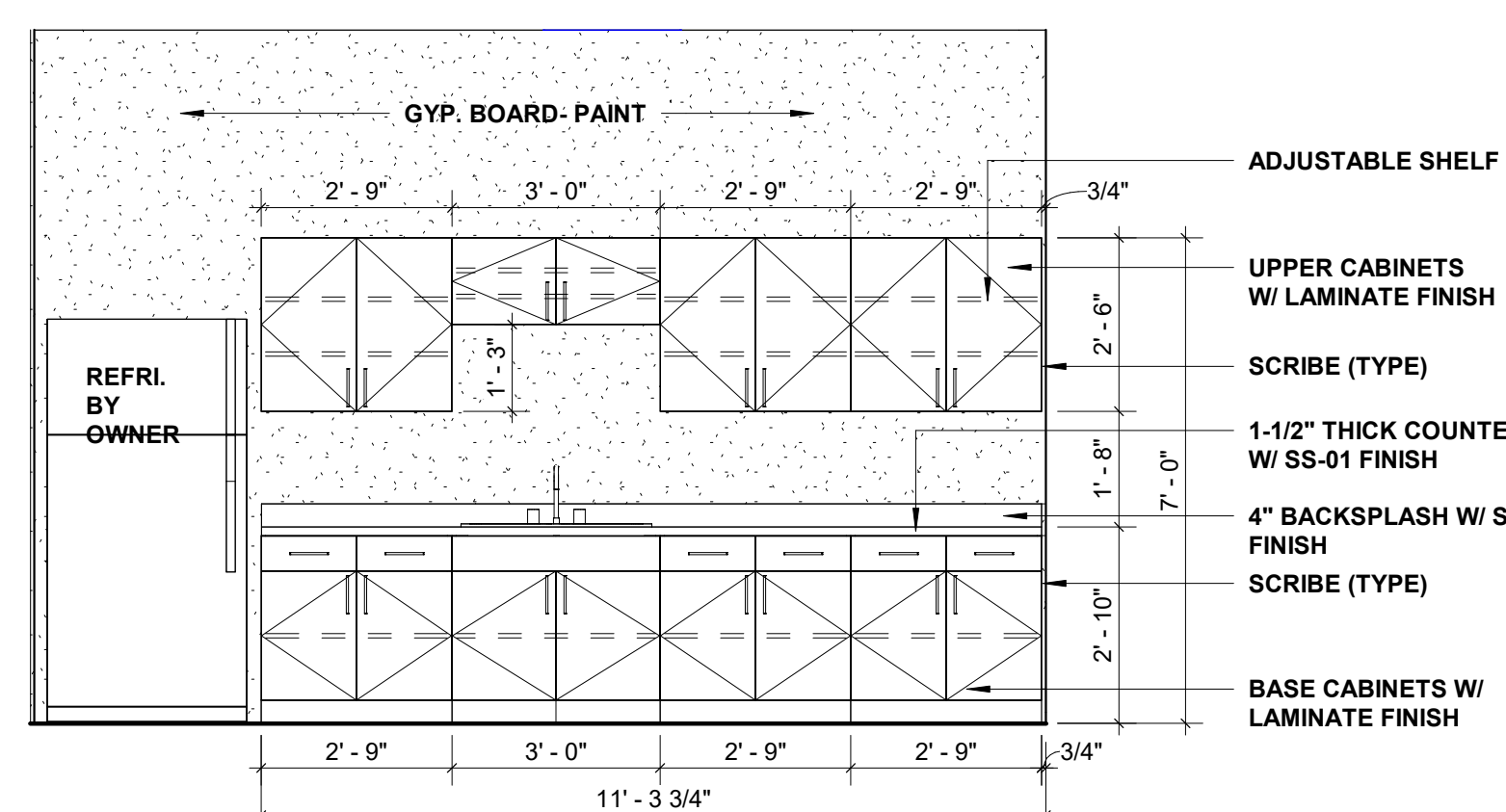
14 SECTION @ TYPICAL CABINETS
3/4" = 1'-0"



15 SEC. @ TYP. SINK
3/4" = 1'-0"



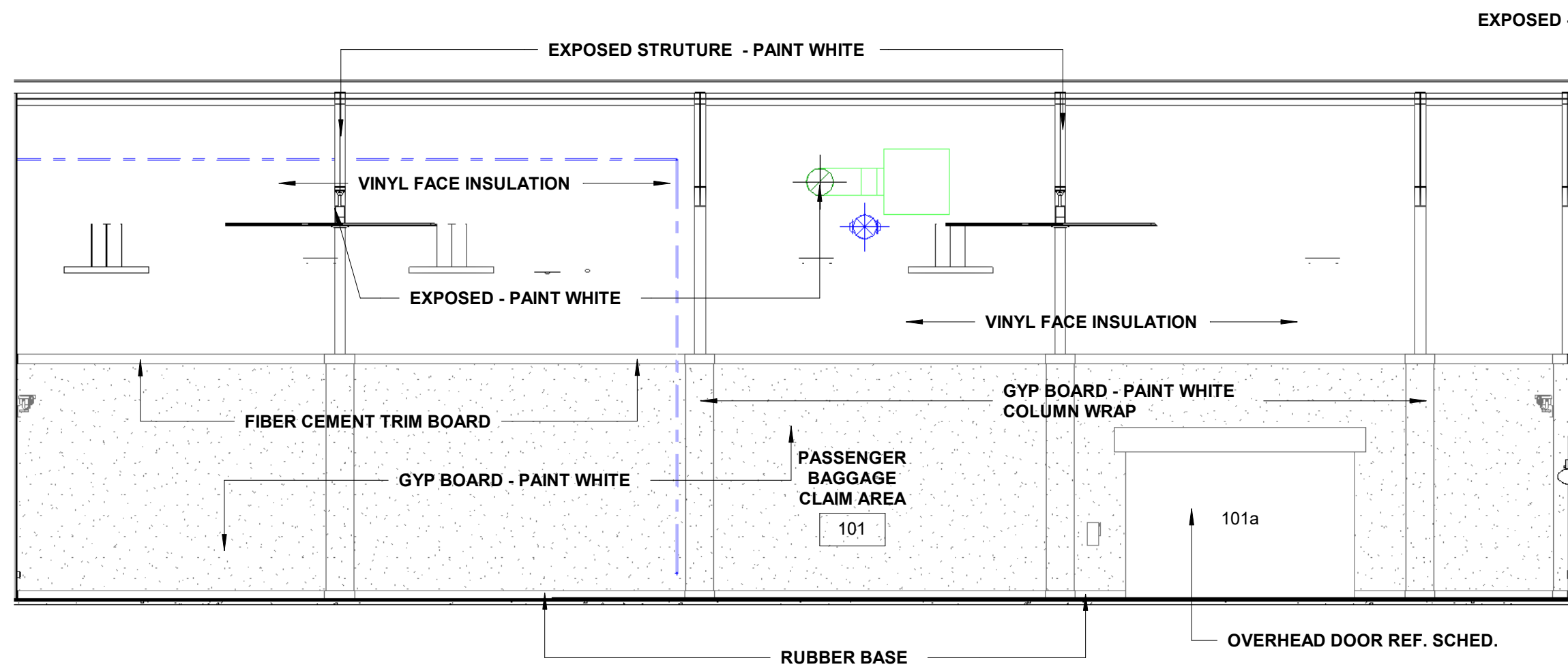
12 ENLARGED TSA TRAINING/BREAKRM PLAN
1/4" = 1'-0"



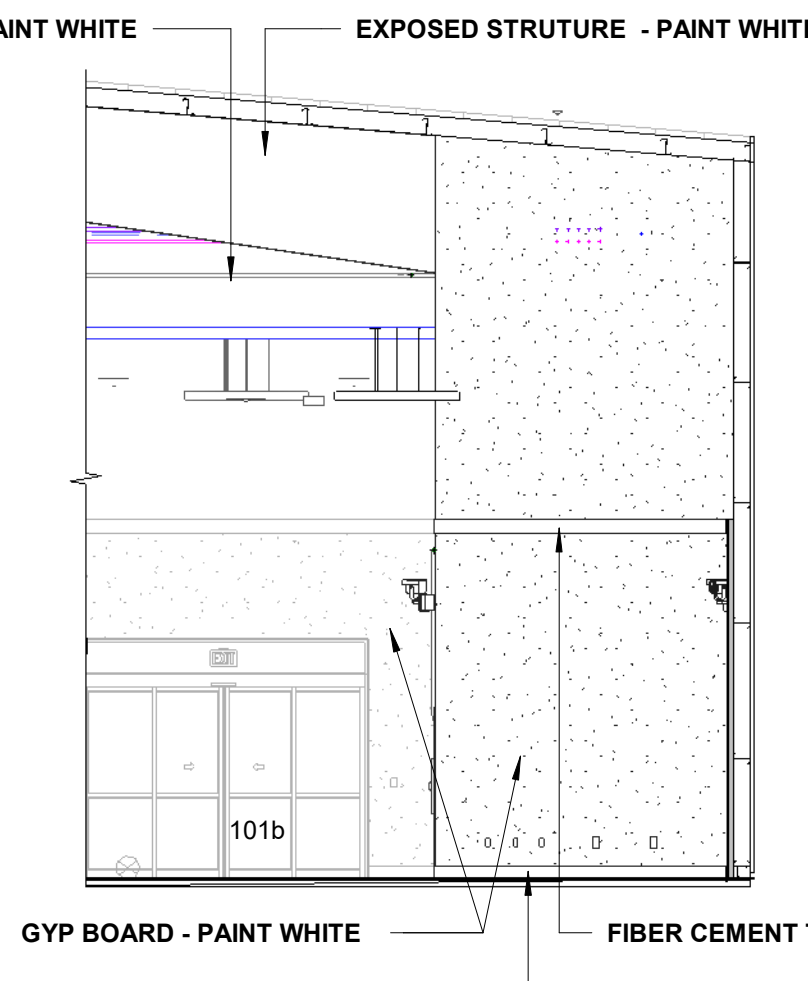
13 INT. ELEV. @ TRAINING/ BREAKROOM
3/8" = 1'-0"

PROVIDE TREATED WOOD BLOCKING FOR ALL WALL MOUNTED MILLWORK, DEVICES AND FIXTURES, TOILET ACCESSORIES BY OWNER.

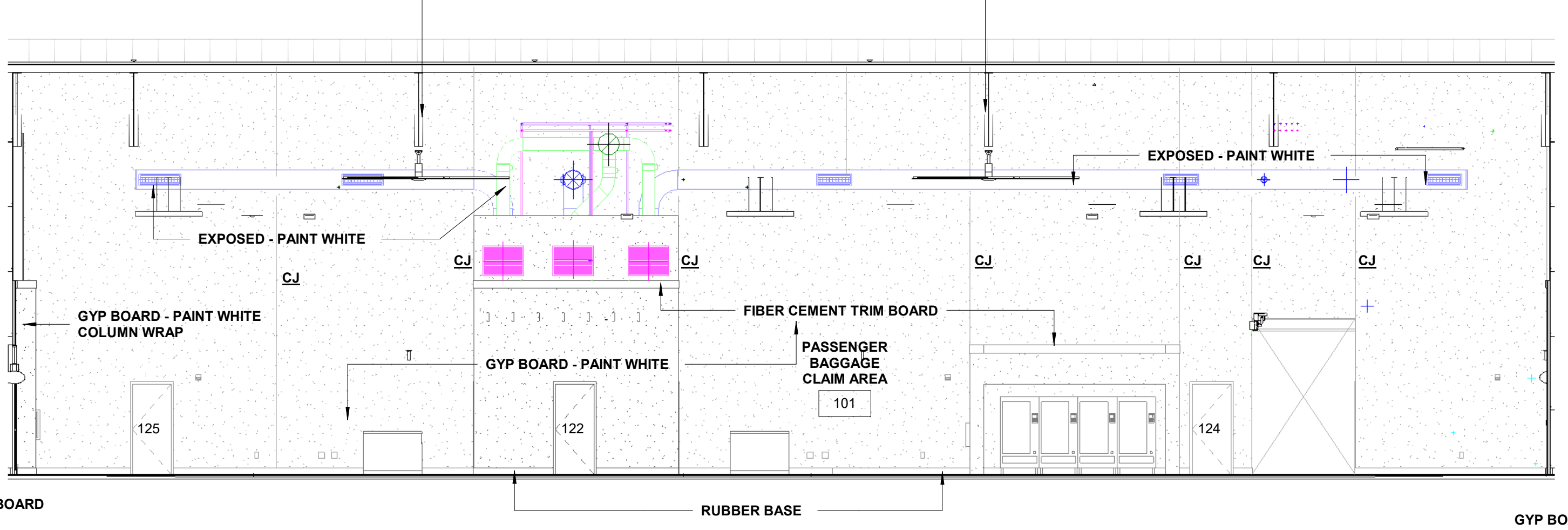




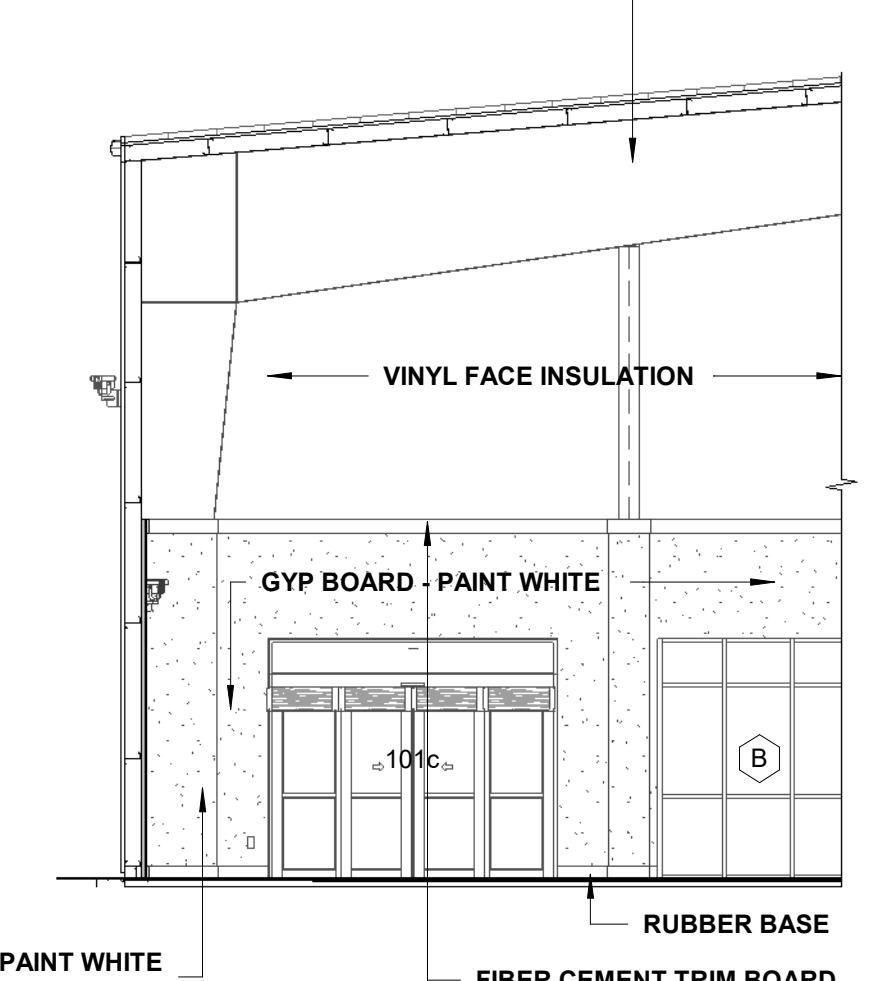
1 INT. ELEV.1 @ BAGGAGE CLAIM
1/8" = 1'-0"



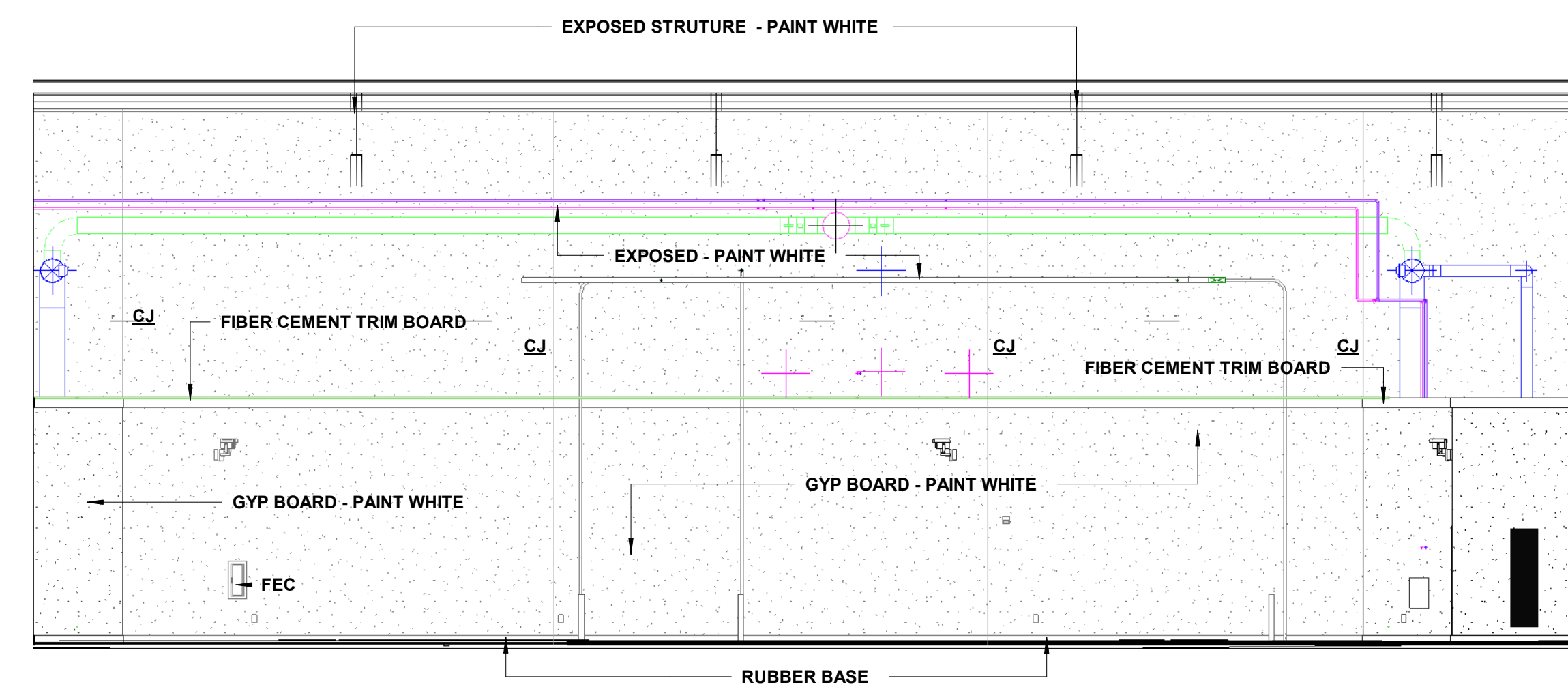
2 INT. ELEV.2 @ BAGGAGE CLAIM
1/8" = 1'-0"



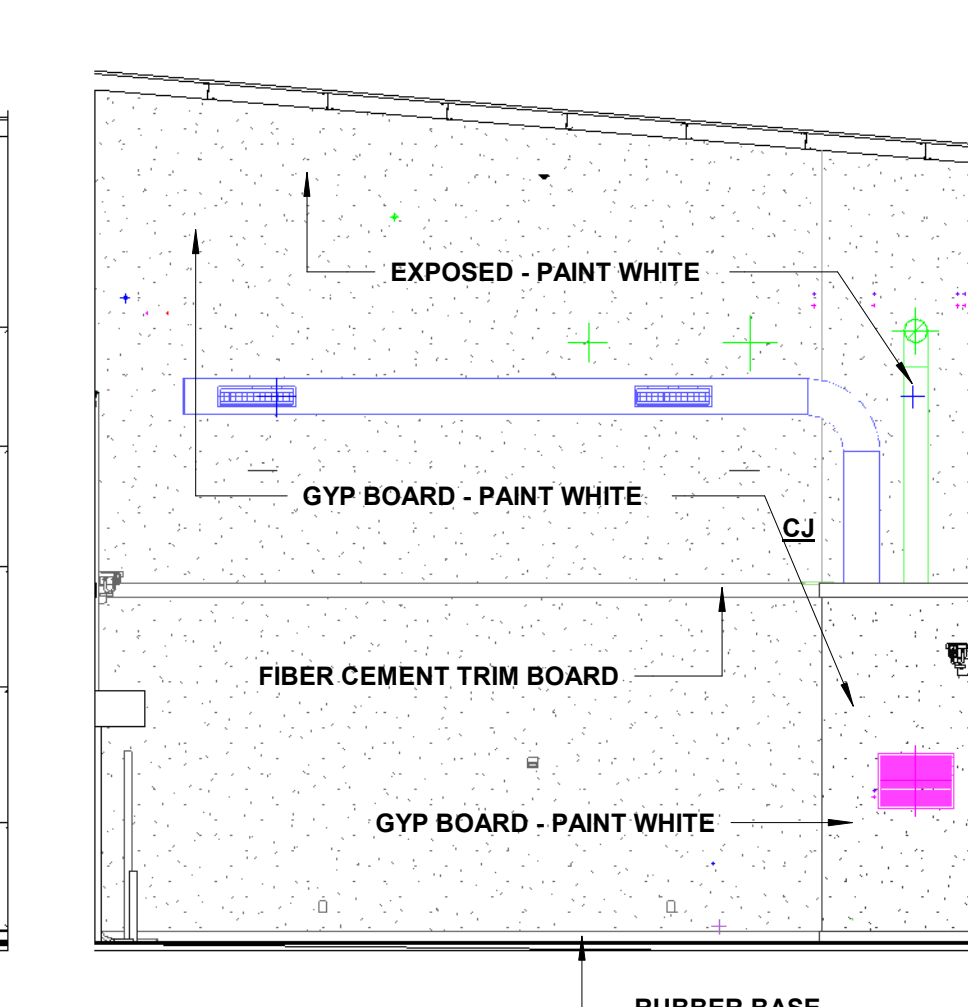
4 INT. ELEV.3 @ BAGGAGE CLAIM
1/8" = 1'-0"



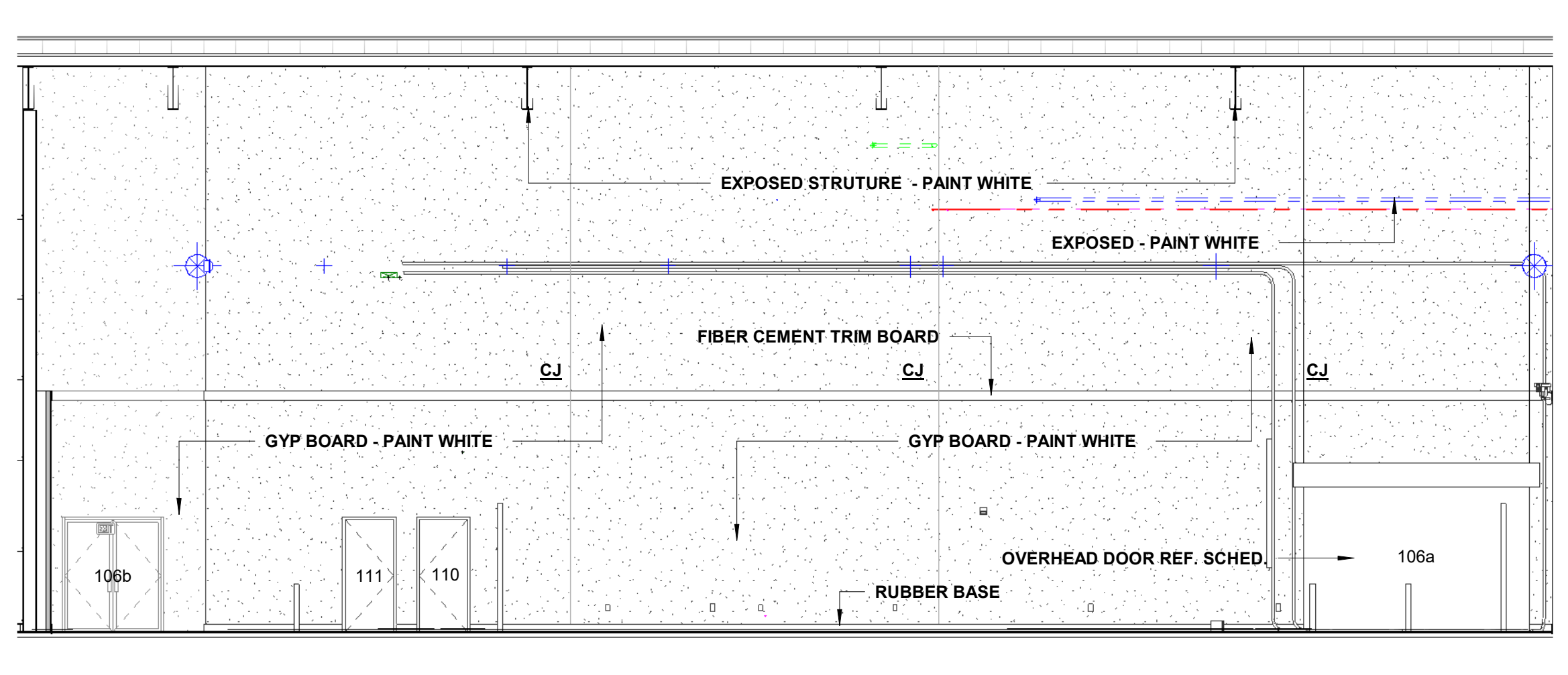
3 INT. ELEV. 4 @ BAGGAGE CLAIM
1/8" = 1'-0"



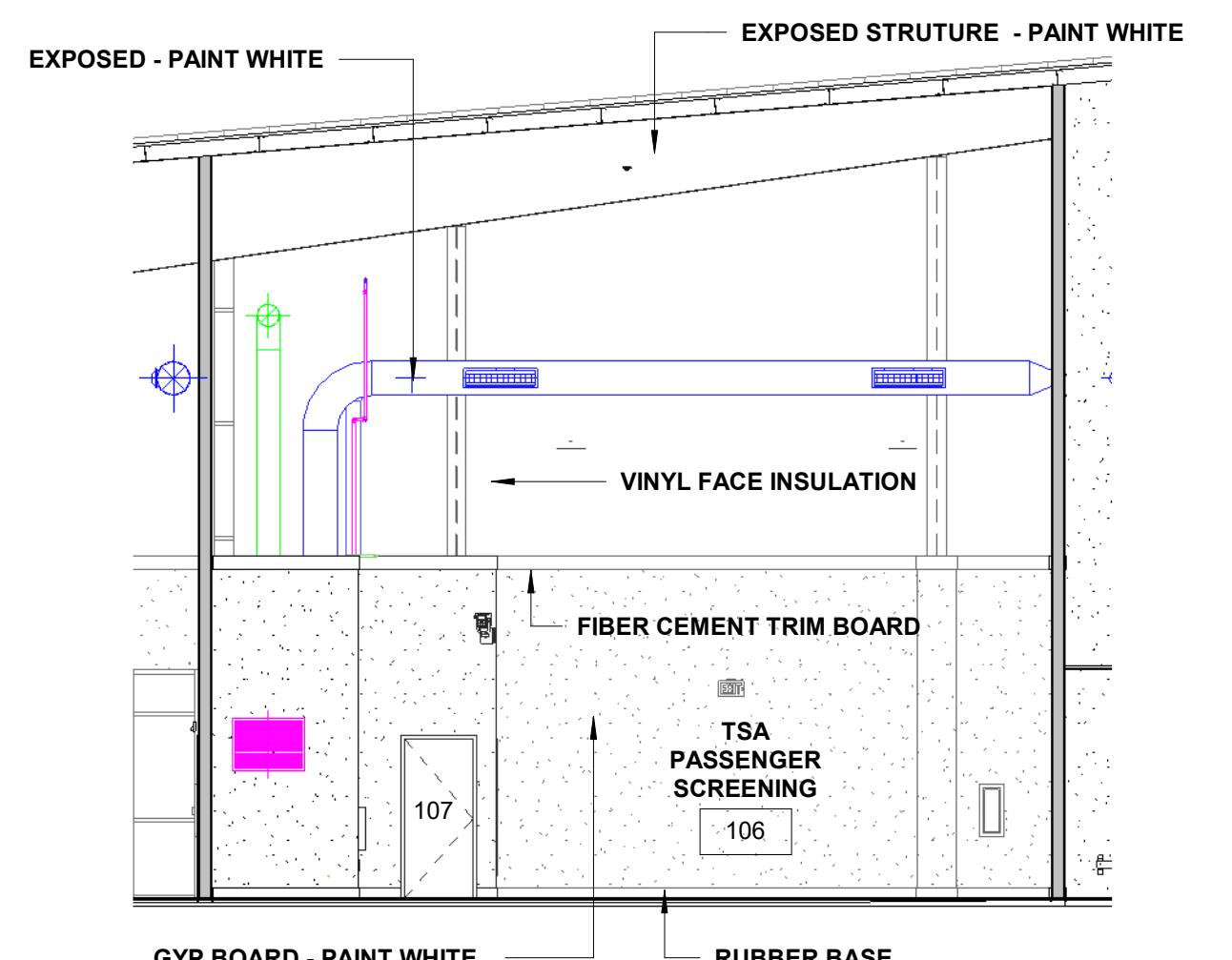
5 INT. ELEV.1 @ TSA PASSENGER
1/8" = 1'-0"



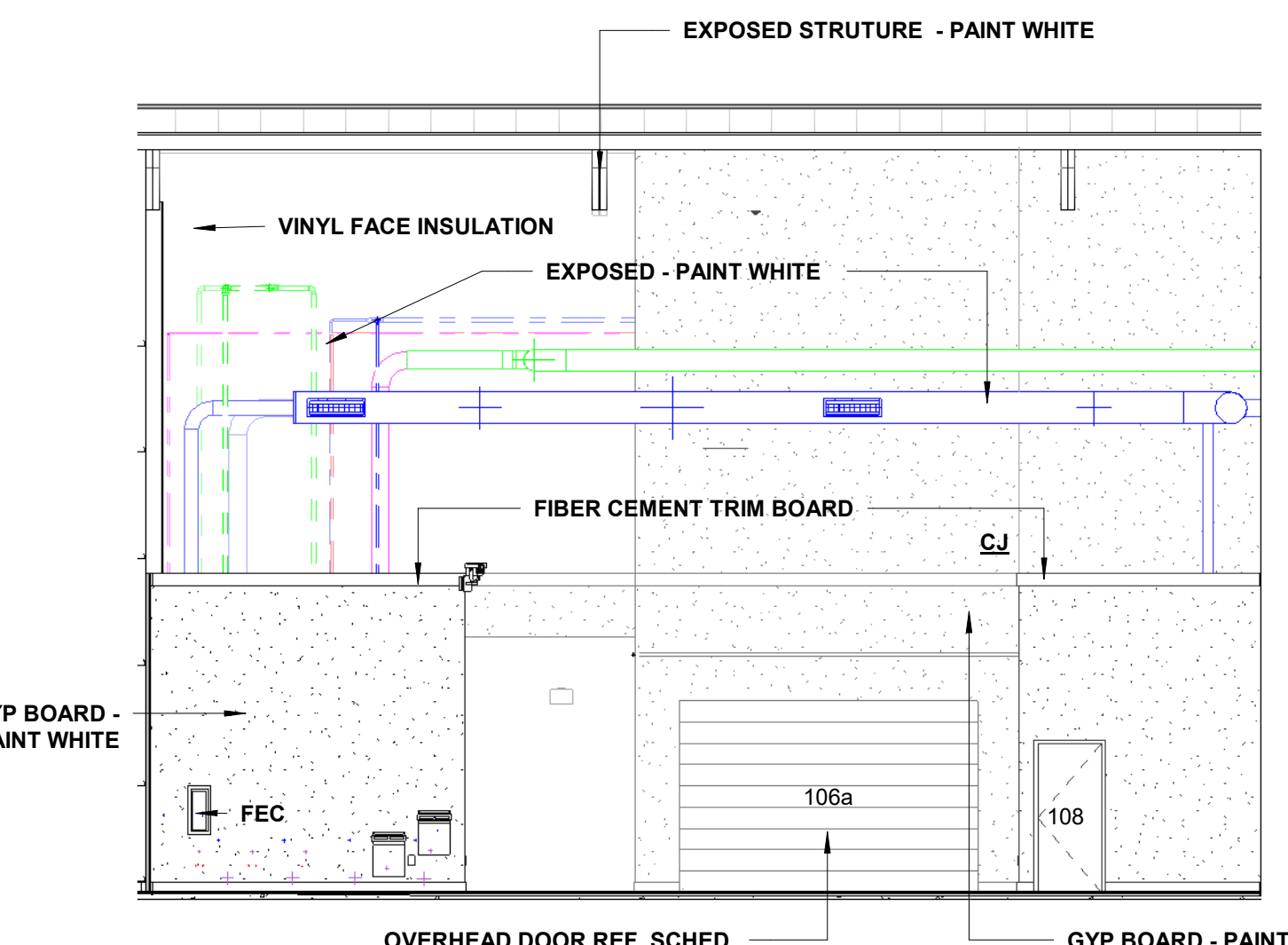
6 INT. ELEV. 2 @ TSA PASSENGER
1/8" = 1'-0"



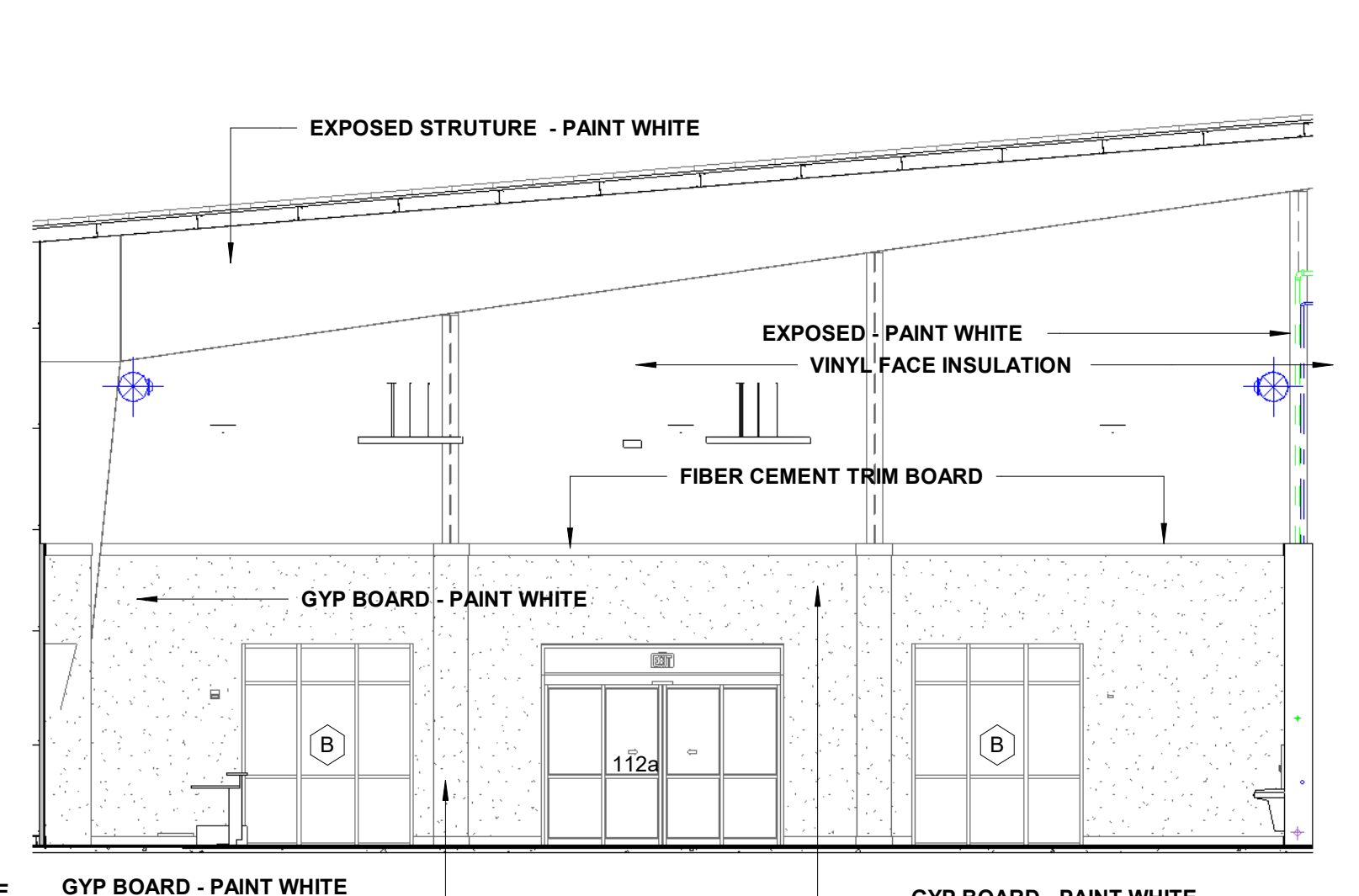
7 INT. ELEV.3 @ TSA PASSENGER
1/8" = 1'-0"



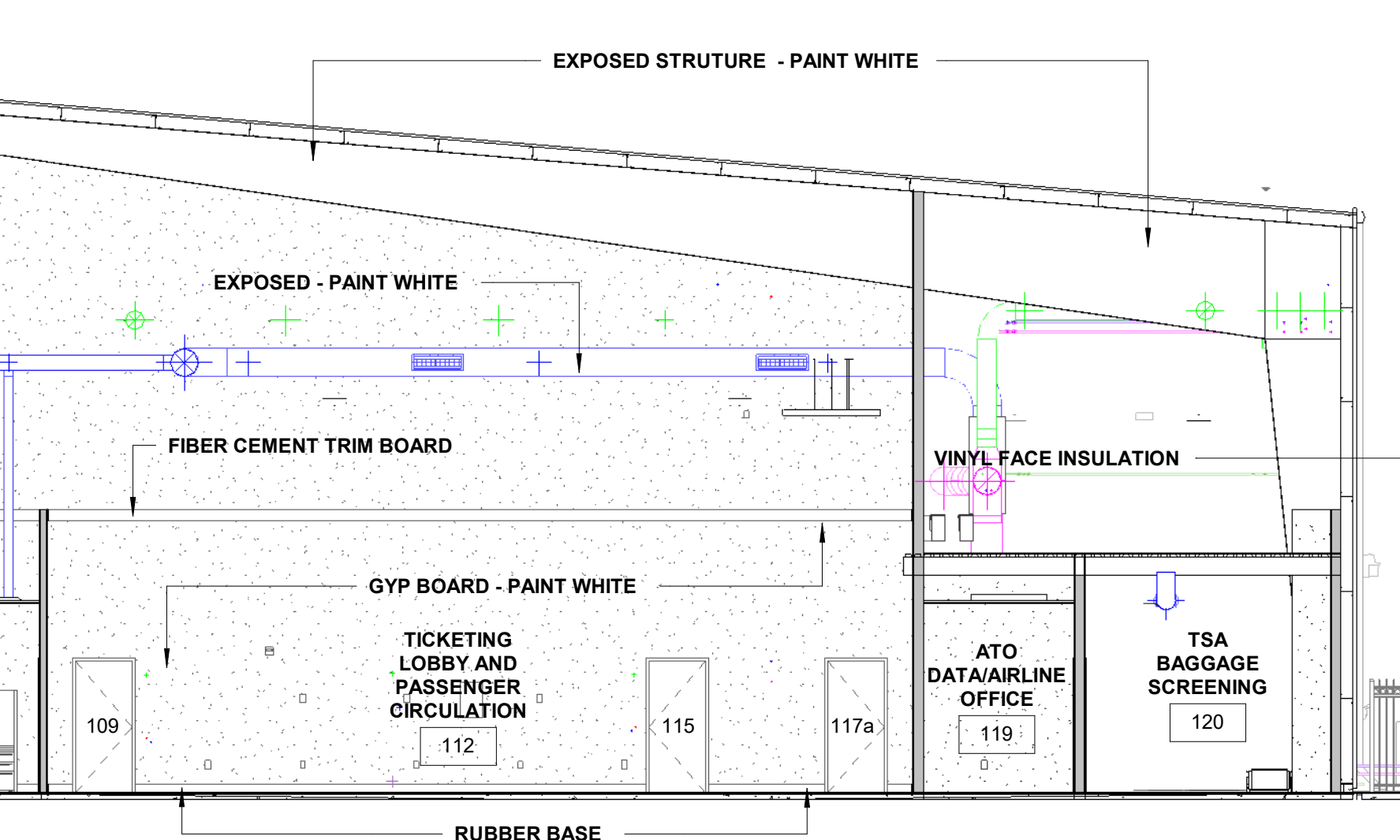
8 Elevation 16 - a
1/8" = 1'-0"



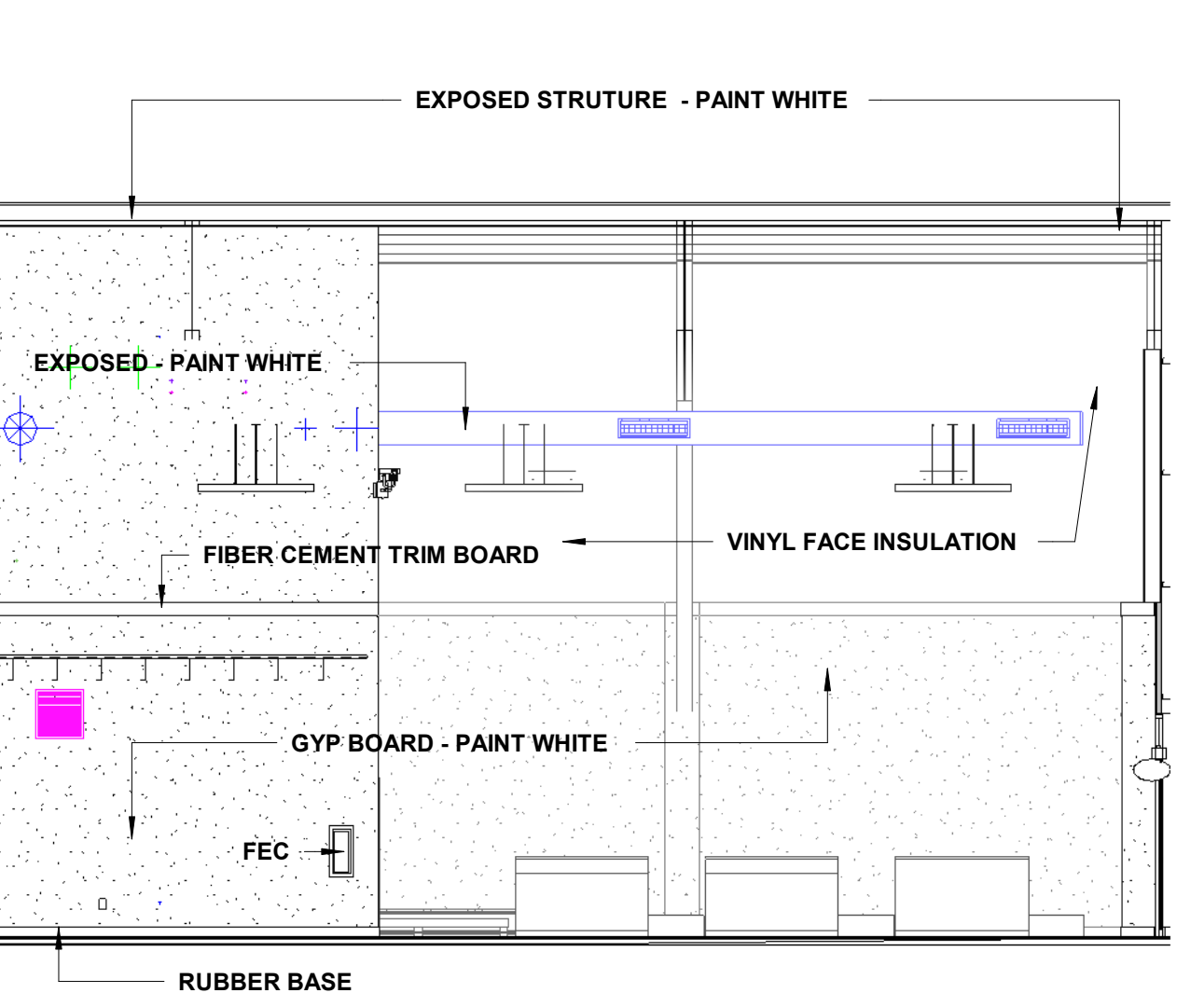
9 INT. ELEV.1 TICKETING LOBBY
1/8" = 1'-0"



10 INT. ELEV.2 TICKETING LOBBY
1/8" = 1'-0"

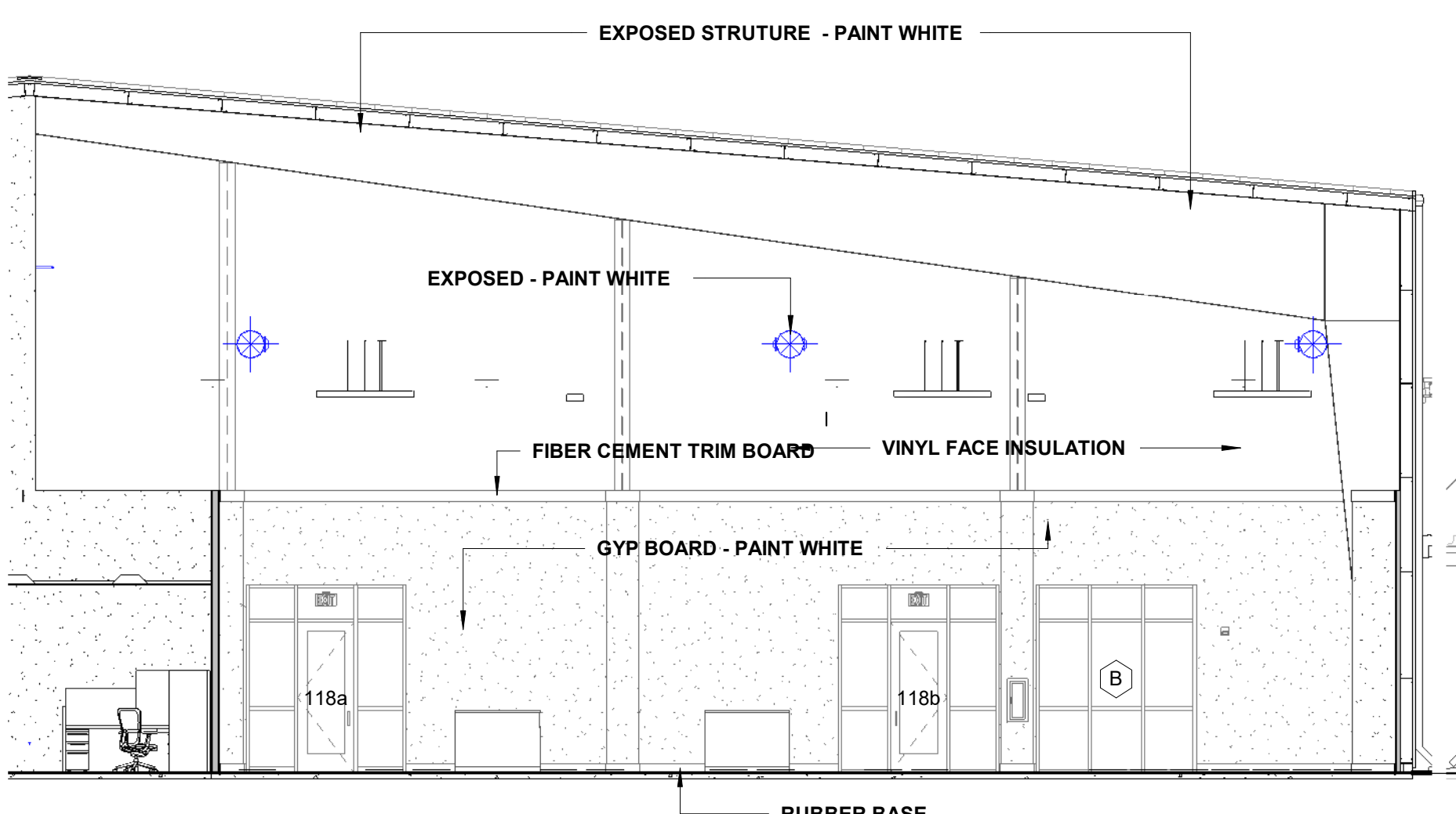


11 INT. ELEV.3 TICKETING LOBBY
1/8" = 1'-0"

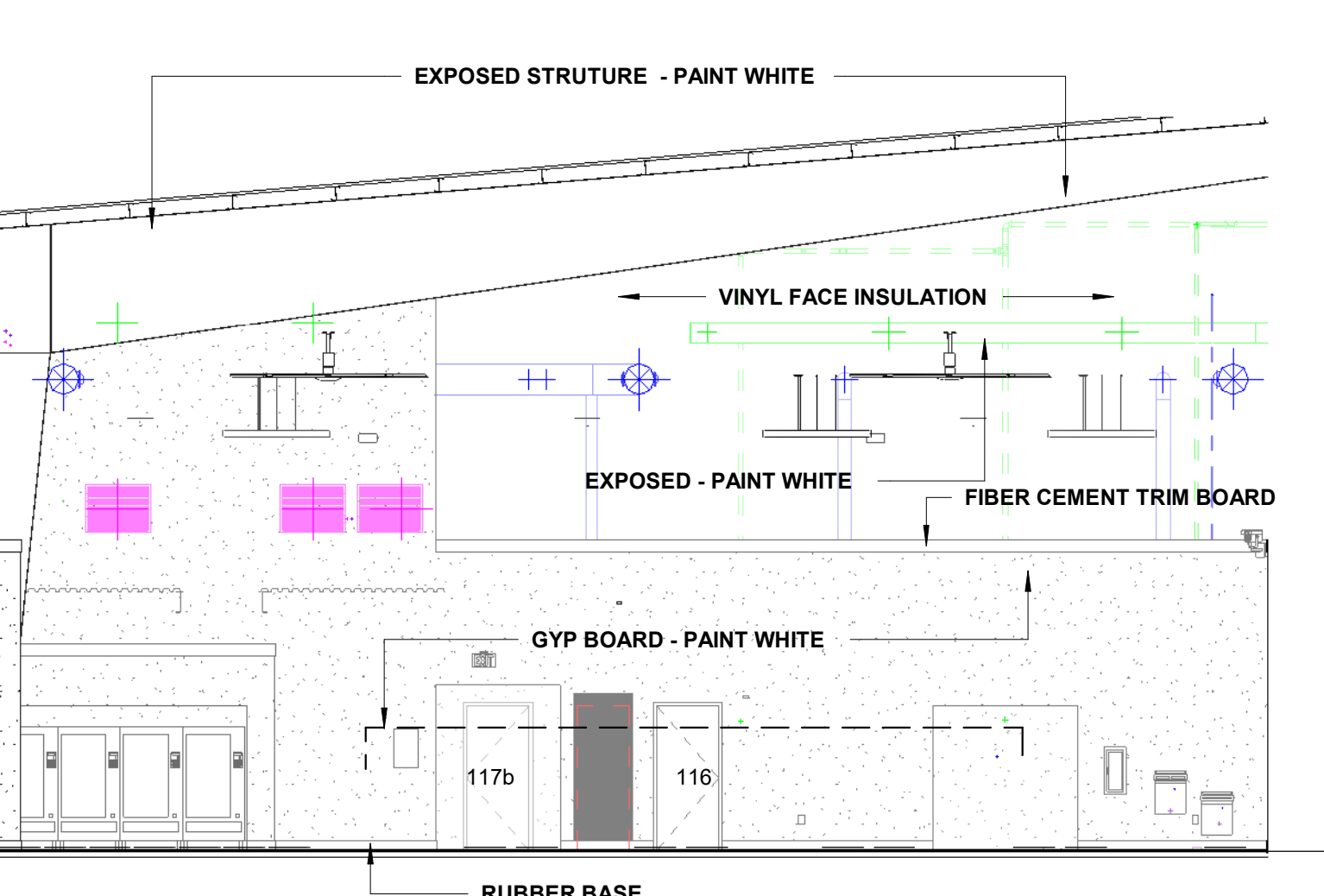


12 INT. ELEV.4 TICKING LOBBY
1/8" = 1'-0"

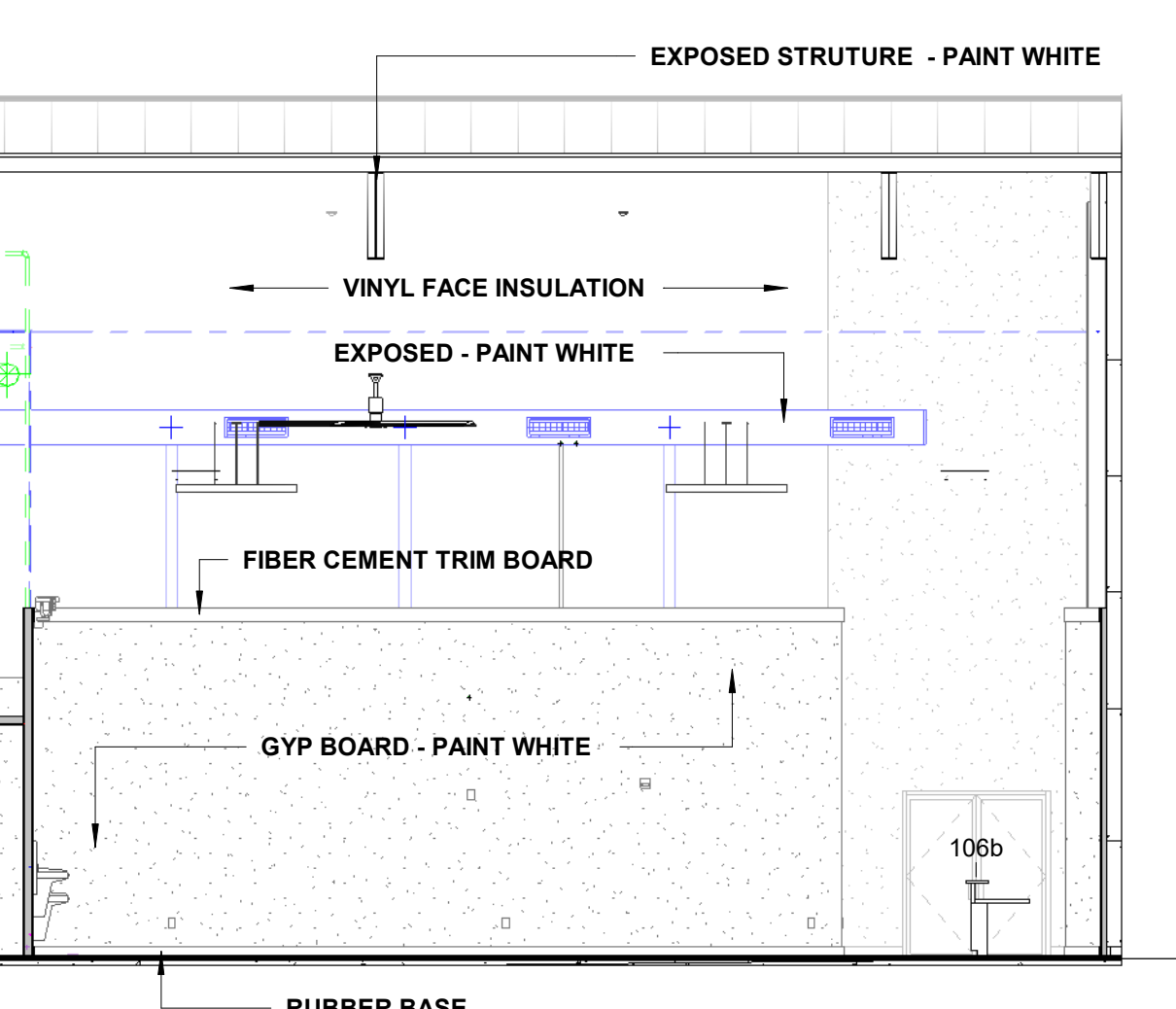
- A. FINAL COLOR TO BE APPROVED BY OWNER.
- B. EXCEPT FOR LIFE SAFETY AUDIO OR VISUAL DEVICES, ANY EXPOSED SURFACE 21 FEET ABOVE FINISHED FLOOR TO BE PAINTED BLACK.
- C. PROVIDE 4" RUBBER BASE THROUGHOUT THE FACILITY IN ALL SPACES.
- D. PROVIDE GYP BD WALL JOINTS ON ANY CONTINUOUS GYP WALL CONSTRUCTION LONGER THAN 30' OR TALLER THAN 15'.
- E. PROVIDE CORNER GUARD AT ALL EXPOSED OUTSIDE CORNERS @ GYPSUM WALL CONSTRUCTION. THE 4 FEET TALL 2" GURAD SHALL CONSIST OF THE ALUMINUM RETAINER IS COVERED BY VINYL AND ROUNDED CAPS AT EACH END. FINAL COLOR TO BE APPROVED BY OWNER. PRODUCT TO BE COMMERCIAL CORNERGUARDS.COM OR APPROVED EQUAL.
- F. TYPICAL PAINT ALL UNFINISHED ITEMS EXPOSED TO VIEW FROM THE INSIDE. ITEMS INCLUDE BUT NOT LIMITED TO
- MECHANICAL DUCTWORK AND SUPPORT
 - PRE ENGINEERING BUILDING STRUCTURE PRIMARY AND SECONDARY STEEL FRAMING
 - VINYL FACED INSULATION
 - PLUMBING PIPING AND SUPPORT
 - ELECTRICAL CONDUITS AND JUNCTION BOXES, RACEWAY, J HOOKS
 - EXPOSED WIRING.
 - GYPSUM WALL BOARD



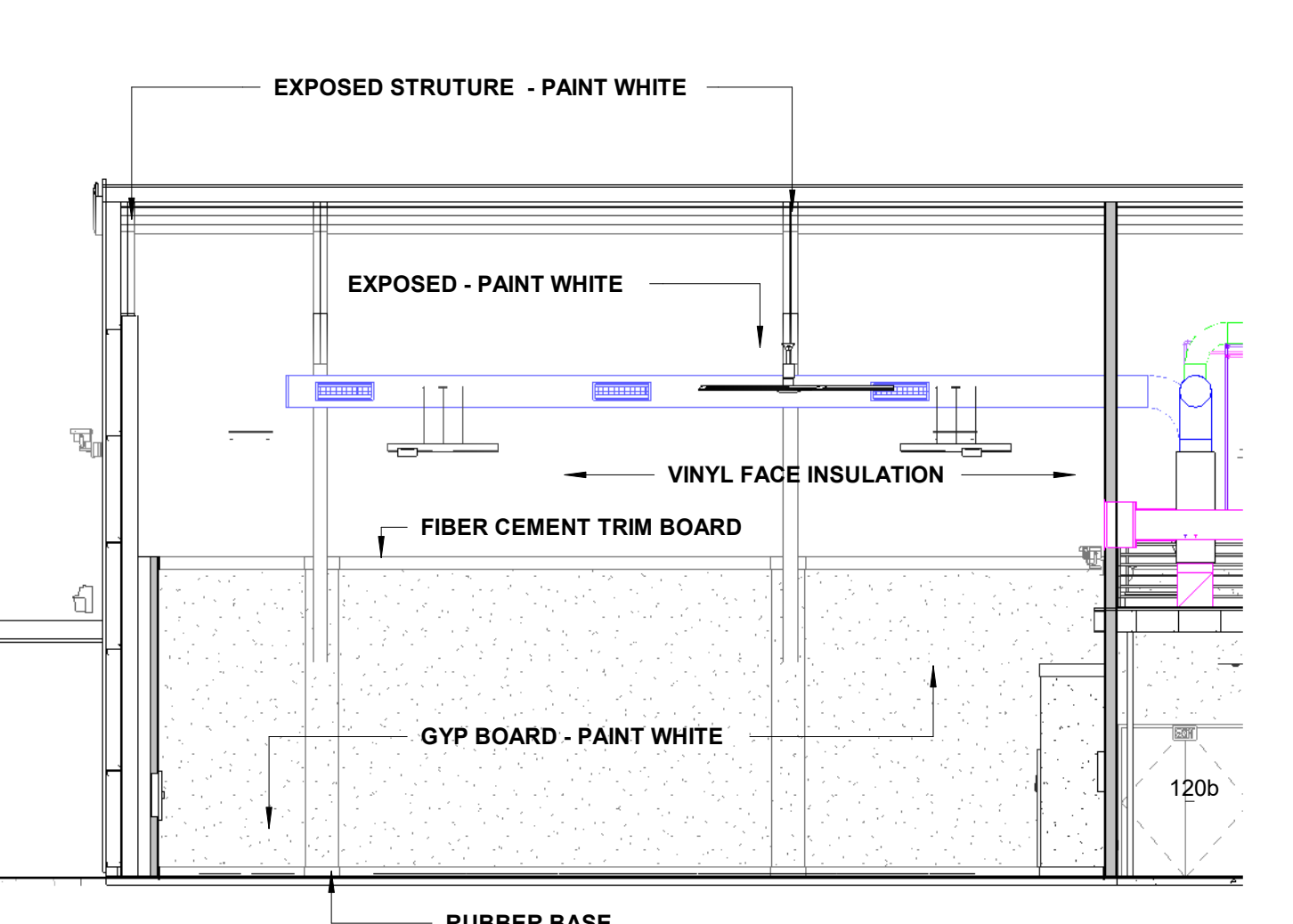
13 INT. ELEV.1 @ DEPARTURE LOUNGE
1/8" = 1'-0"



14 INT. ELEV.2 @ DEPARTURE LOUNGE
1/8" = 1'-0"



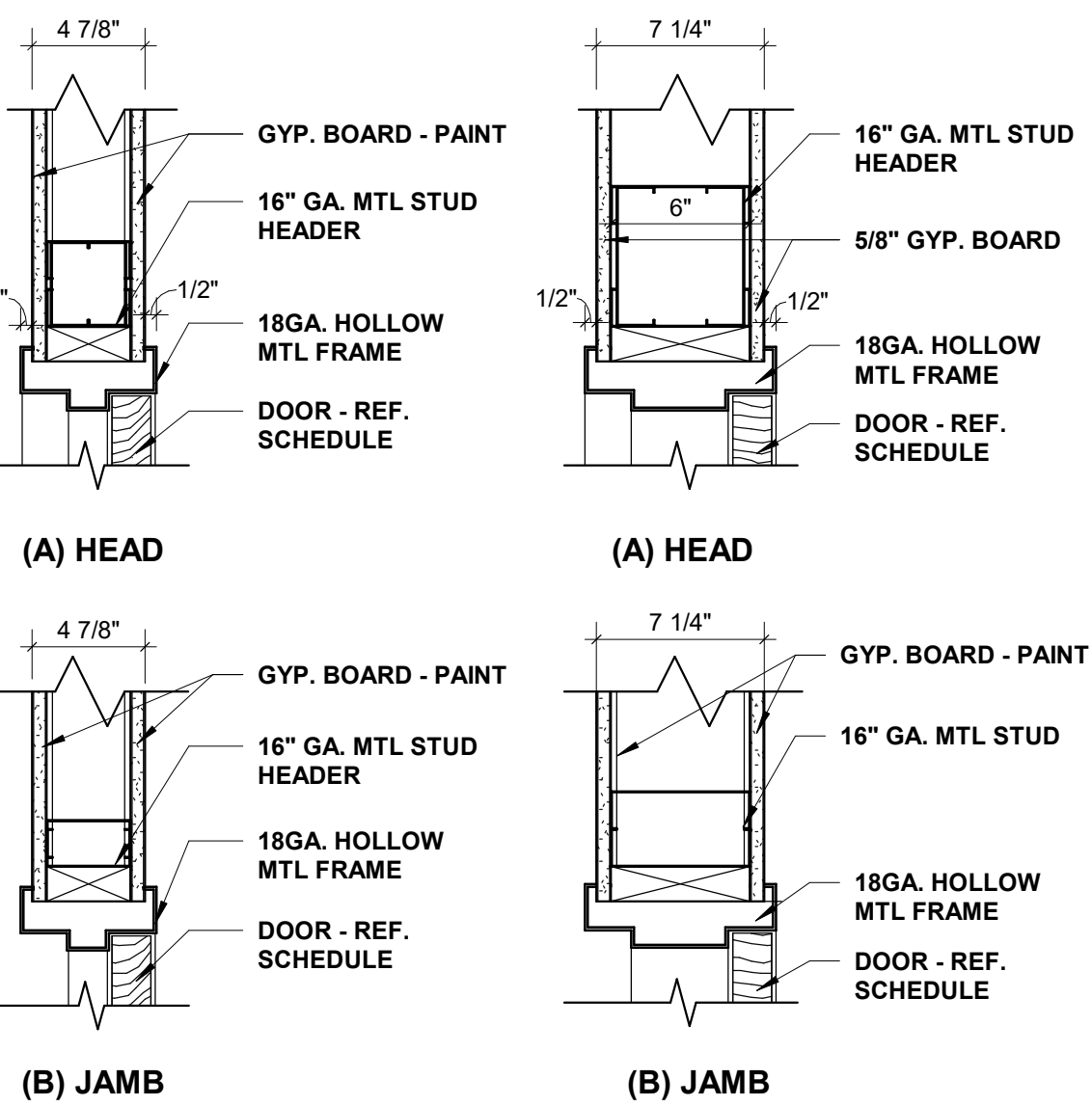
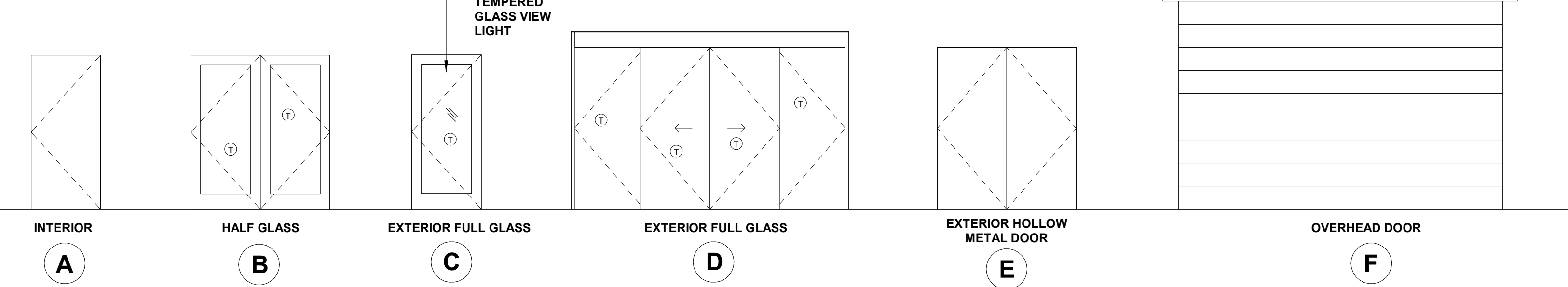
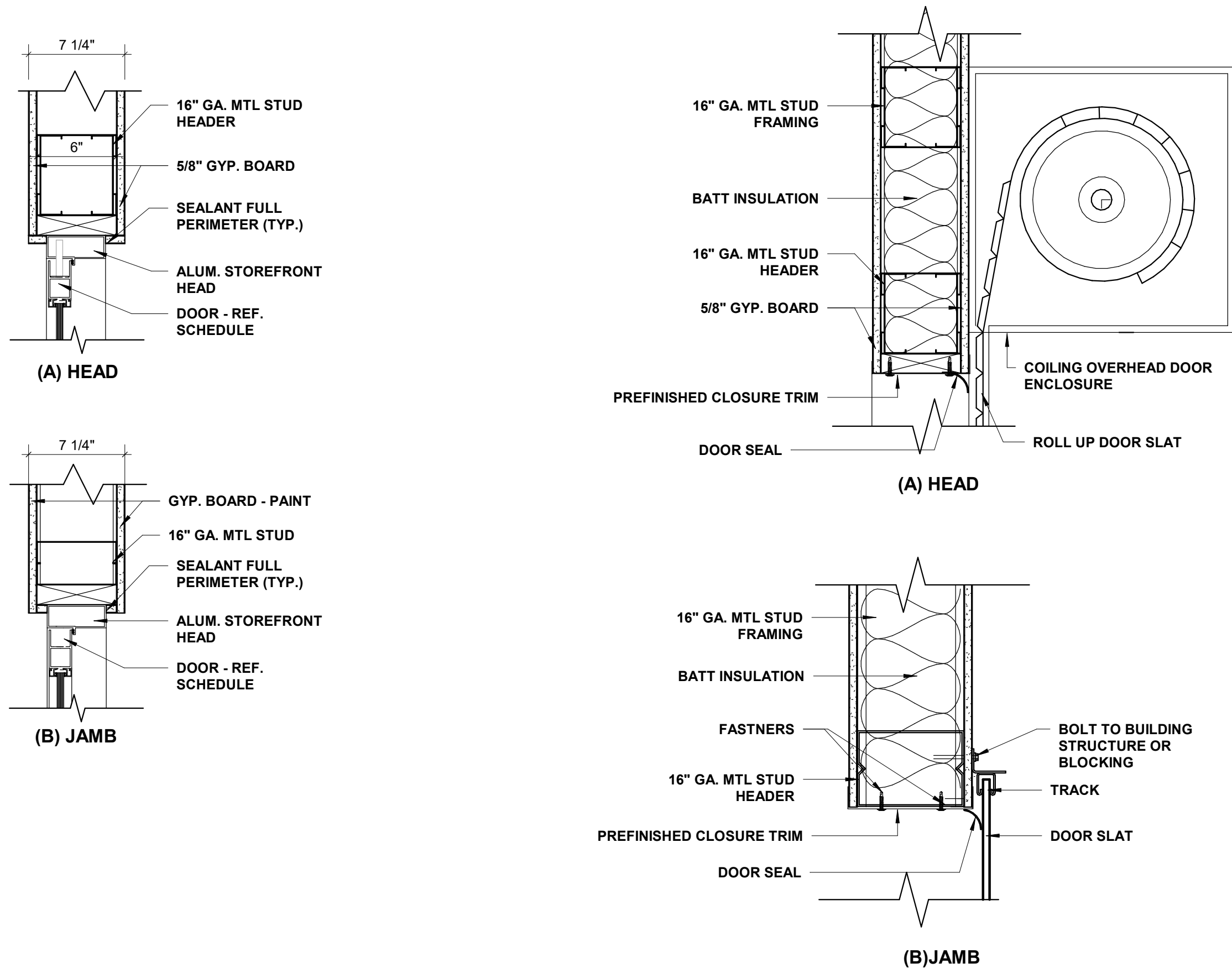
15 INT. ELEV.3 @ DEPARTURE LOUNGE
1/8" = 1'-0"



16 INT. ELEV. 4 @ DEPARTURE LOUNGE
1/8" = 1'-0"

DOOR TYPES

1/4" = 1'-0" ⑦ = TEMPERED GLASS

1 HM DOOR DETAIL @ STUD
1 1/2" = 1'-0"2 HM DOOR DETAIL @ MTL. PANEL
1 1/2" = 1'-0"4 STOREFRONT DOOR DETAIL @ STUD
1 1/2" = 1'-0"5 OVERHEAD DOOR DETAIL @ STUD
1 1/2" = 1'-0"

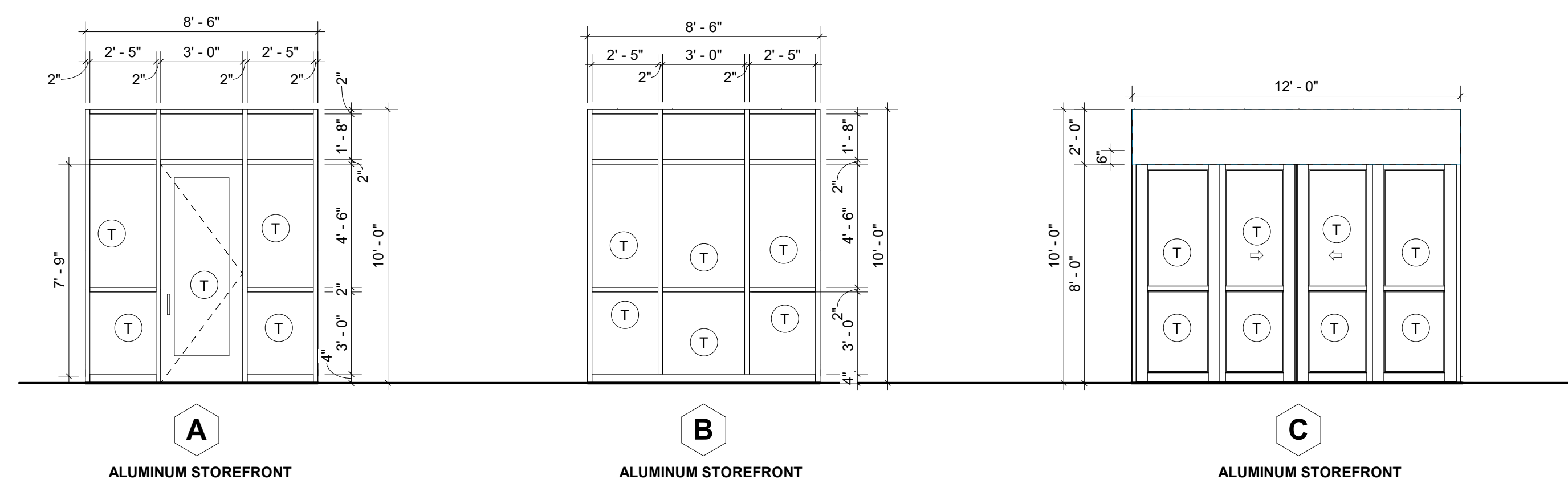
WINDOW TYPES

1/4" = 1'-0"

⑦ = TEMPERED GLAZING

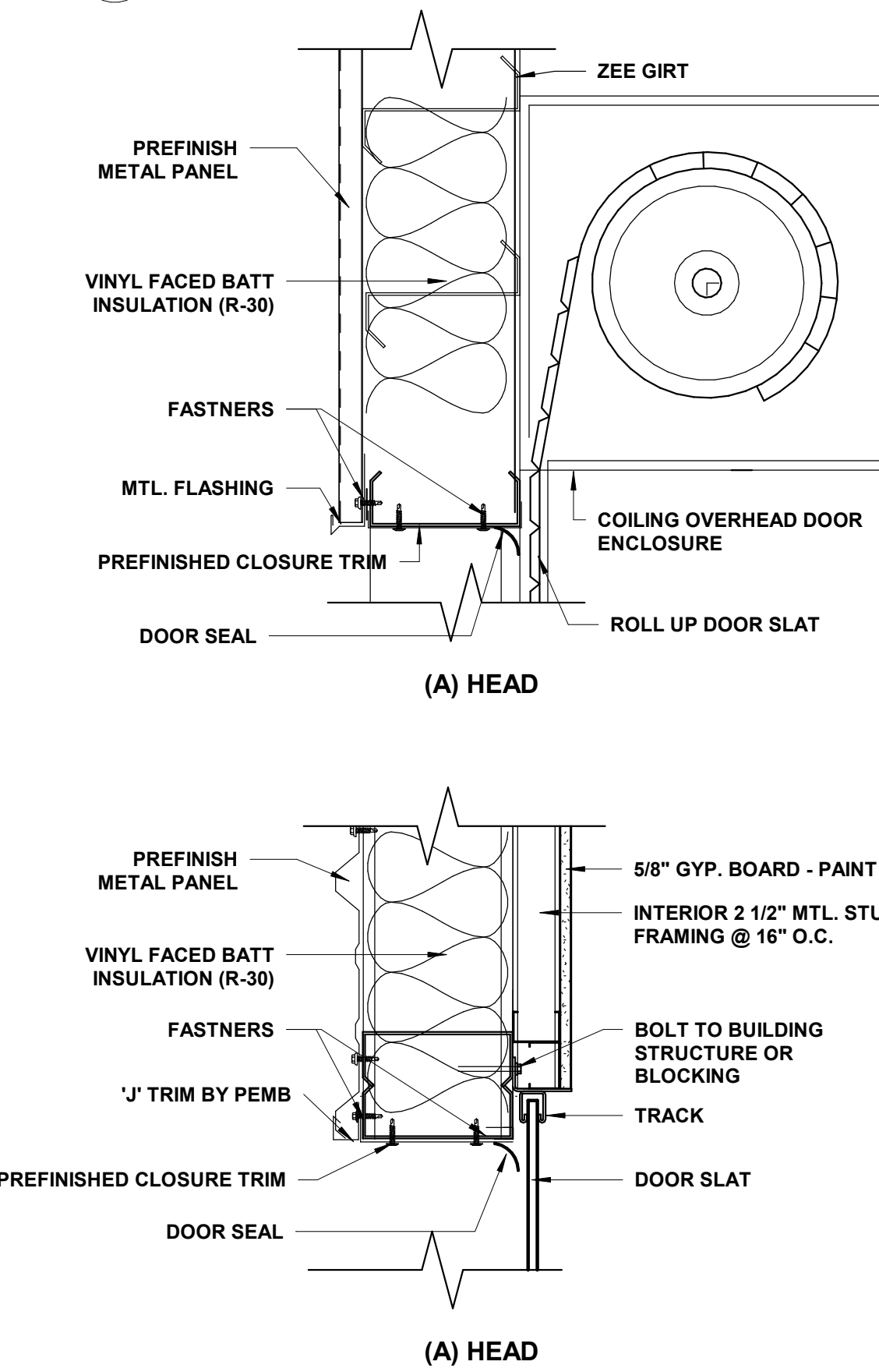
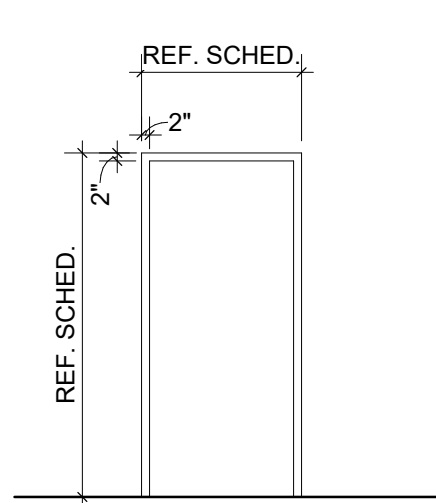
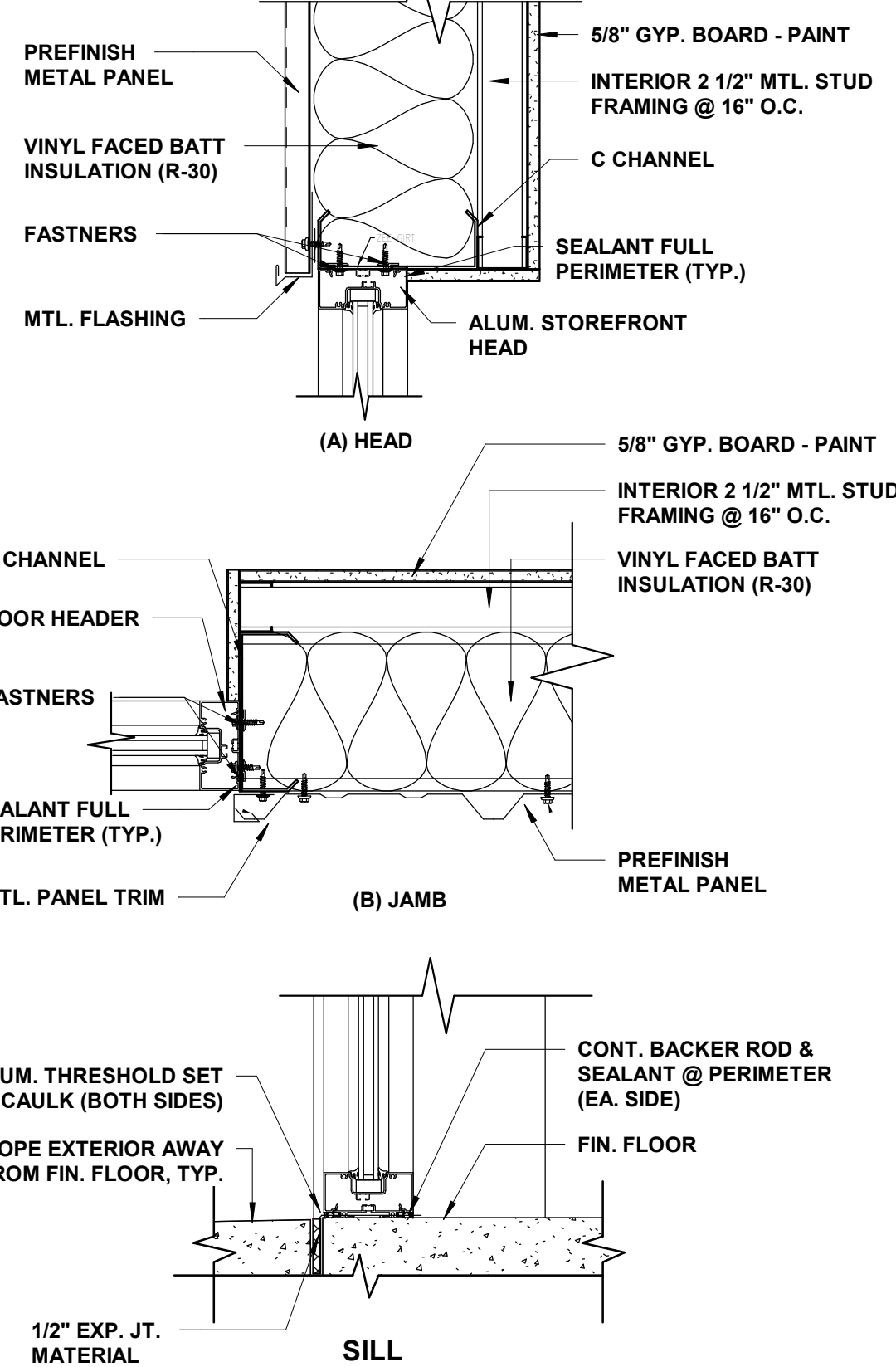
NOTE: ALL EXTERIOR FRAMES SHALL BE THERMALLY BROKEN.

2B/A7.1



FRAME TYPES

1/4" = 1'-0"

3 OVERHEAD DOOR DETAIL @ MTL. PANEL
1 1/2" = 1'-0"9 DETAIL @ STOREFRONT
1 1/2" = 1'-0"

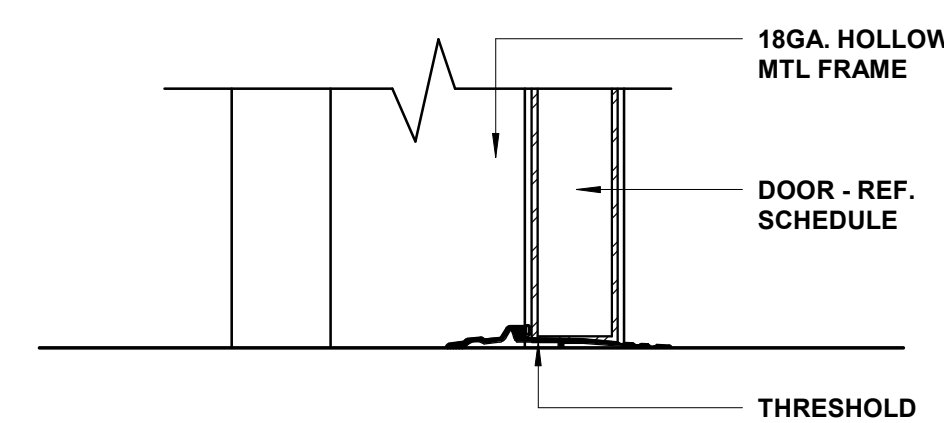
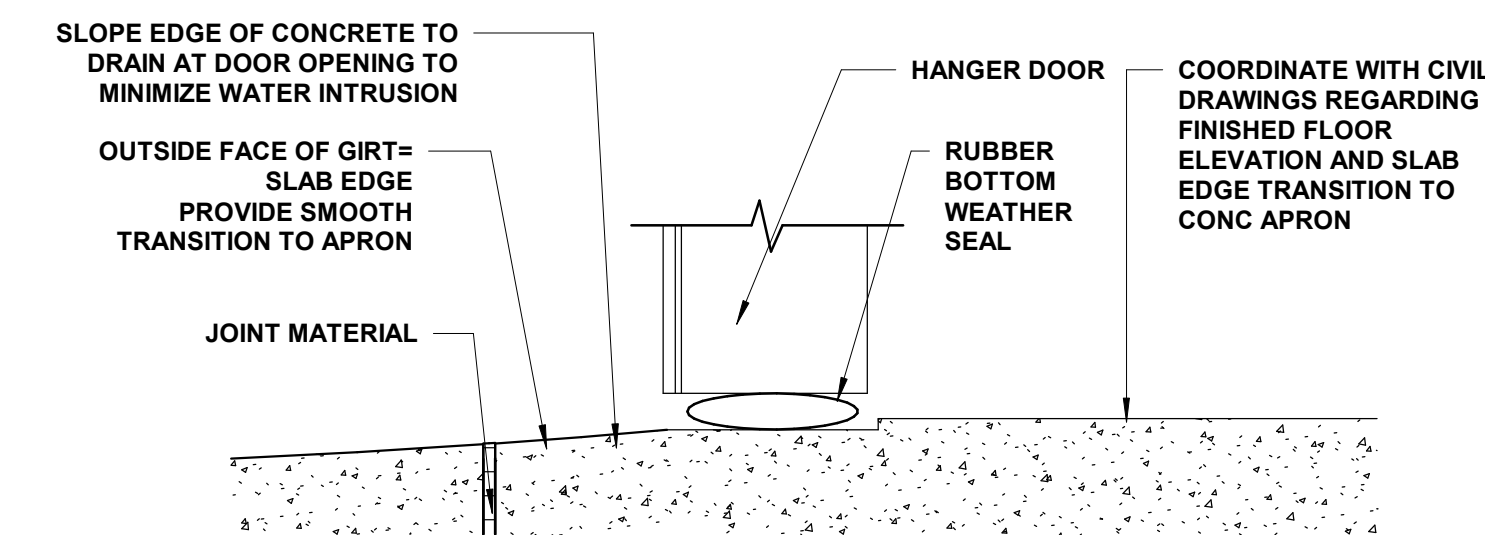
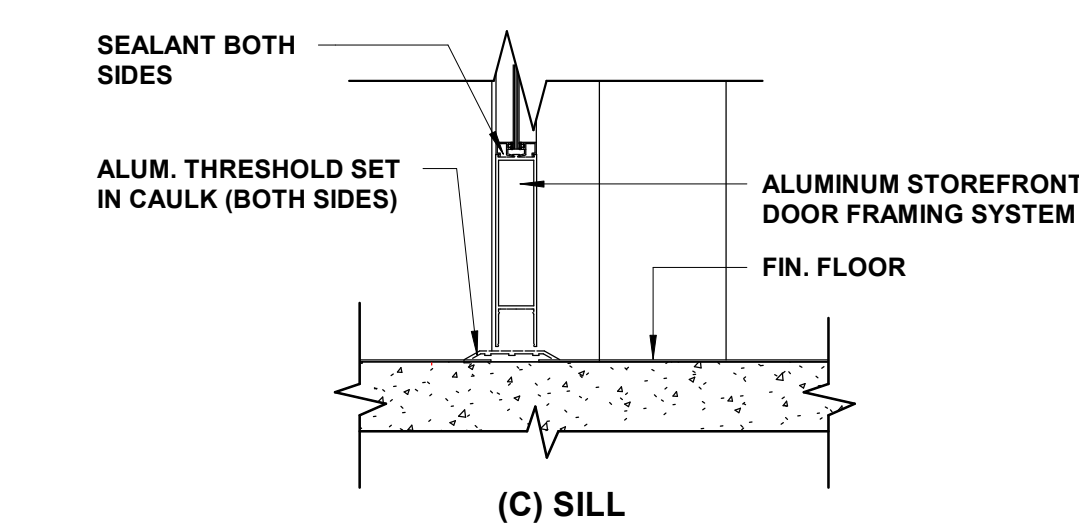
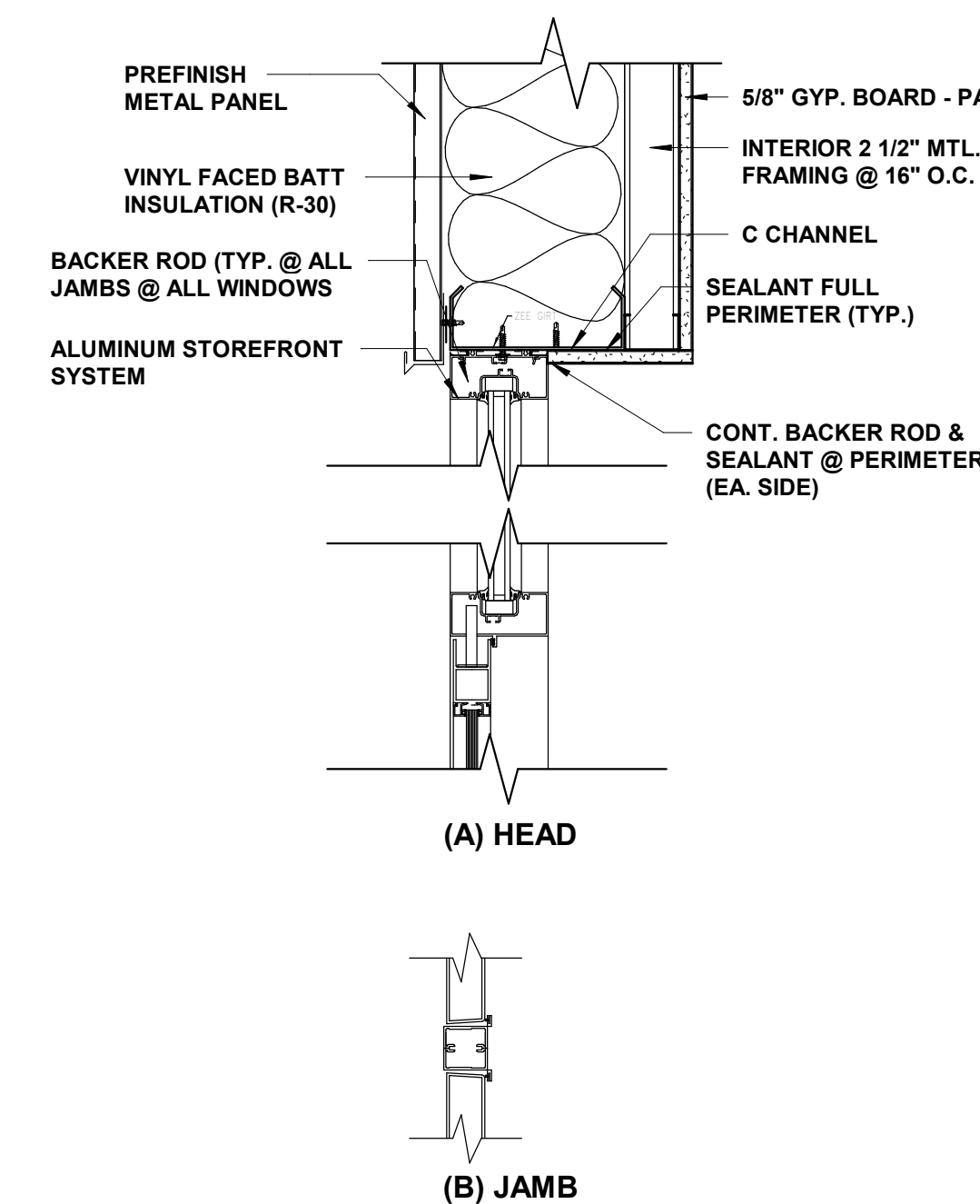
DOOR SCHEDULE

DOOR #	SIZE			DOOR			FRAME			HEAD DTL.	JAMB DTL.	LOCK FUNCTION	HARD WARE	REMARKS
	HEIGHT	WIDTH	TYPE	MATERIAL	FINISH		TYPE	MATERIAL	FINISH					
101a	14' - 0"	14' - 0"	F	STEEL	POWDERCOAT	----	----	STEEL	----	3A/A601	3B/A601		2	MOTORIZED WITH KEY SWITCH
101b	8' - 6"	12' - 0"	D	ALUM	MILL	----	----	ALUM	MILL	6A/A601	6B/A601		7	ACTUAL DOOR 8' - 0" 7' 6" HEADER
101c	8' - 6"	12' - 0"	D	ALUM	MILL	----	----	ALUM	MILL	6A/A601	6B/A601		7	ACTUAL DOOR 8' - 0" 7' 6" HEADER
102	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	5	
105	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	5	
106a	14' - 0"	14' - 0"	F	STEEL	POWDERCOAT	----	----	STEEL	----	5A/A601	5B/A601			MOTORIZED WITH KEY SWITCH
106b	7' - 0"	6' - 0"	B	ALUM	MILL	----	----	ALUM	MILL	4A/A601	4B/A601	PASSAGE	4,5,7	
107	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	OFFICE	5	
108	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	OFFICE	5	
109	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	OFFICE	5	
110	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	PASSAGE	5	
111	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	OFFICE	5	
112a	8' - 6"	12' - 0"	D	ALUM	MILL	----	----	ALUM	MILL	6A/A601	6B/A601		7	ACTUAL DOOR 8' - 0" 7' 6" HEADER
115	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	5	
116	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	5	
117a	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	PASSAGE	4,5	
117b	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	PASSAGE	4,5	
118a	8' - 0"	3' - 0"	C	ALUM	MILL	----	----	ALUM	MILL	6A/A601	6B/A601	CYLINDER	1,4,5,6	
118b	8' - 0"	3' - 0"	C	ALUM	MILL	----	----	ALUM	MILL	6A/A601	6B/A601	CYLINDER	1,4,5,6	
119	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	OFFICE		
120a	3' - 6"	2' - 6"	F	STEEL	POWDERCOAT	----	----	STEEL	----	5A/A601	5B/A601		3	MANUAL OPERATION
120b	7' - 0"	6' - 0"	E	HM	PAINT	1	1	HM	PAINT	2A/A601	3A/A601	EXIT	1,4,5,6	
120c	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	PASSAGE		
121	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	8	
122	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	8	
123	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	8	
124	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	8	
125	7' - 0"	3' - 0"	A	HM	PAINT	1	1	HM	PAINT	1A/A601	1B/A601	STORAGE	8	

DOOR HARDWARE

1. METAL THRESHOLD
2. WEATHERSTRIP @ FULL PERIMETER
3. BLACK VINYL STRIP CURTAIN
4. PANIC BAR
5. DOOR CLOSER
6. DRIP CAP
7. HARDWARE BY DOOR MANUFACTURER
8. ANTI-THEFT LATCH PROTECTOR

UNLESS NOTED OTHERWISE, ALL HOLLOW METAL DOOR FRAME SHALL RECEIVE RUBBER SILENCER

7 THRESHOLD @ HM DOOR
3" = 1'-0"8 THRESHOLD @ ROLLUP DOOR
1 1/2" = 1'-0"6 DR, DETAILS @ STOREFRONT
1 1/2" = 1'-0"



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

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	COLOR	BASE FINISH	COLOR	WALLS FINISH	COLOR	CEILING MATERIAL	COLOR	REMARKS
101	PASSENGER BAGGAGE CLAIM AREA	POLISH CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	SW OC 141 CHINA WHITE	DISCUSS BANDING AND COLOR CHANGE ON TALL WALLS
102	BUILDING UTILITY	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	ARMSTRONG RADOM TEXT	BASIC ACT GRID
103	M (PUBLIC)	TILE 1	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
104	F (PUBLIC)	TILE 1	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
105	MEP / FIRE PROTECTION	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	ARMSTRONG RADOM TEXT	BASIC ACT GRID
106	TSA PASSENGER SCREENING	POLISH CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	SW OC 141 CHINA WHITE	DISCUSS BANDING AND COLOR CHANGE ON TALL WALLS
107	TSA PASSENGER SEARCH	CARPET TILE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
108	POLICE	CARPET TILE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
109	AIRPORT OPERATION OFFICE	CARPET TILE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
110	TSA TRAINING COMM TSA BREAK	CARPET TILE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
111	TSA SECURITY MANAGER	CARPET TILE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
112	TICKETING LOBBY AND PASSENGER CIRCULATION	POLISH CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	SW OC 141 CHINA WHITE	DISCUSS BANDING AND COLOR CHANGE ON TALL WALLS
113	M (STER)	TILE 1	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	JOHNSONITE 55 SILVER GRAY	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
114	F (STER)	TILE 1	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	TILE 2	DALTILE, VOL 1.0, STEREO GRAY 12X24	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
115	JANITOR	PLAIN CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	FRP	WHITE SMOOTH	EXPOSED CEILING	ARMSTRONG RADOM TEXT	BASIC ACT GRID
116	STORAGE (STERILE)	PLAIN CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	ARMSTRONG RADOM TEXT	BASIC ACT GRID
117	EXIT CIRCULATION	POLISH CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
118	STERILE DEPARTURE AND CIRCULATION	POLISH CONCRETE	LEVEL 2	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	SW OC 141 CHINA WHITE	DISCUSS BANDING AND COLOR CHANGE ON TALL WALLS
119	ATO DATA/AIRLINE OFFICE	POLISH CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	2X2 ACT	ARMSTRONG RADOM TEXT	BASIC ACT GRID
120	TSA BAGGAGE SCREENING	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	EXPOSED CEILING	SW OC 141 CHINA WHITE	DISCUSS BANDING AND COLOR CHANGE ON TALL WALLS
121	CLO.	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	PAINTED GYP. BOARD	ARMSTRONG RADOM TEXT	BASIC ACT GRID
122	CLO	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	PAINTED GYP. BOARD	ARMSTRONG RADOM TEXT	BASIC ACT GRID
123	CLO	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	PAINTED GYP. BOARD	ARMSTRONG RADOM TEXT	BASIC ACT GRID
124	CLO	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	PAINTED GYP. BOARD	ARMSTRONG RADOM TEXT	BASIC ACT GRID
125	CLO	PLAIN CONCRETE	CLEAR SEALANT	RUBBER	JOHNSONITE 55 SILVER GRAY	PAINTED GYP BD.	SW 7029 AGREEABLE GRAY	PAINTED GYP. BOARD	ARMSTRONG RADOM TEXT	BASIC ACT GRID
200	MECH. PLATFORM 1									
201	MECH. PLATFORM 2									

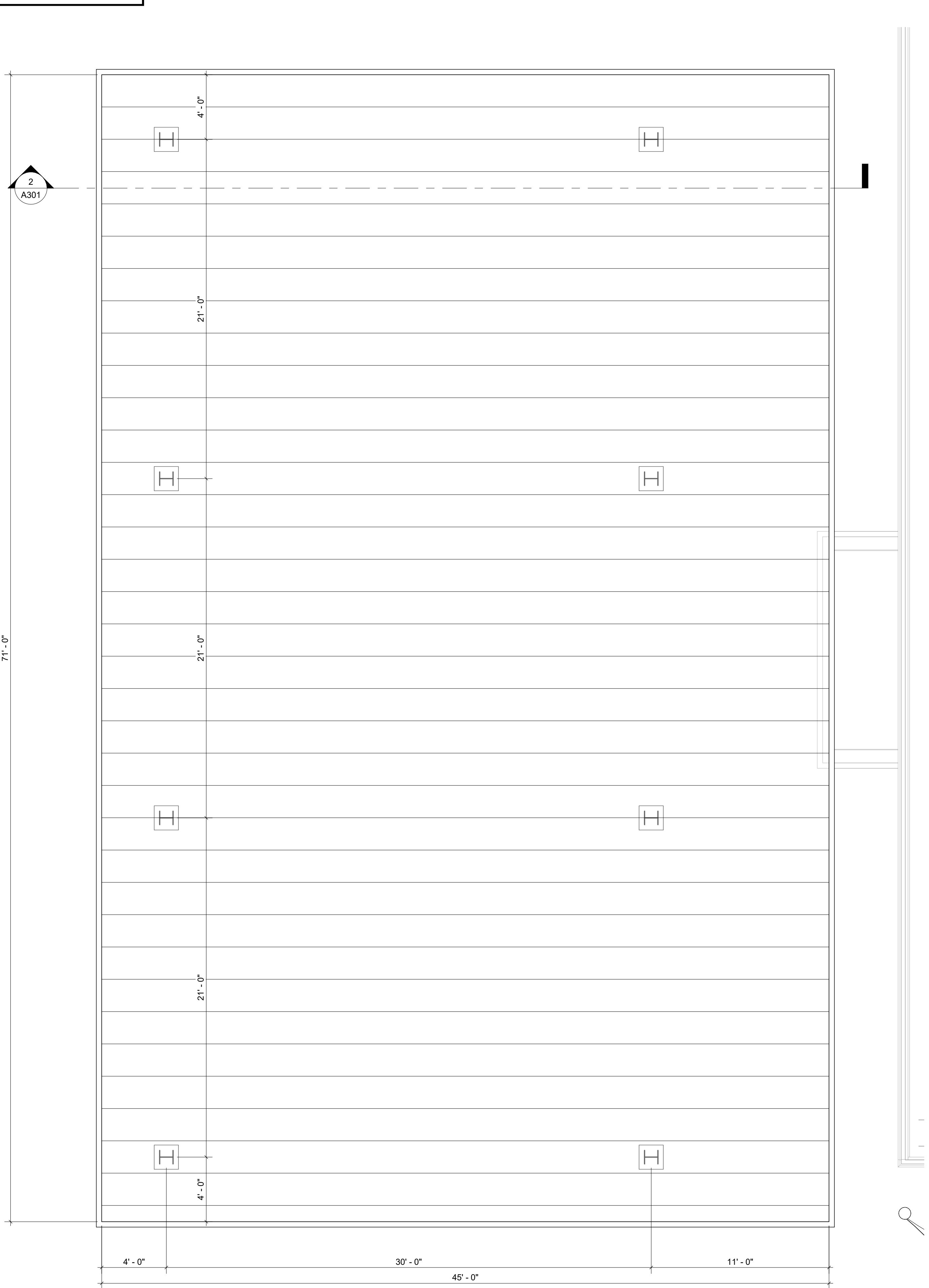
NOTE:

PROVIDE CORNER GUARD AT ALL EXPOSED EXTERIOR CORNERS @ GYPSUM WALL CONSTRUCTION. THE 4 FEET TALL 2" GURAD SHALL CONSISTS OF THE ALUMINUM RETAINER IS COVERED BY VINYL AND ROUNDED CAPS AT EACH END. FINAL COLOR TO BE APPROVED BY OWNER. PRODUCT TO BE COMMERCIALCORNERGUARDS.COM OR APPROVED EQUAL.

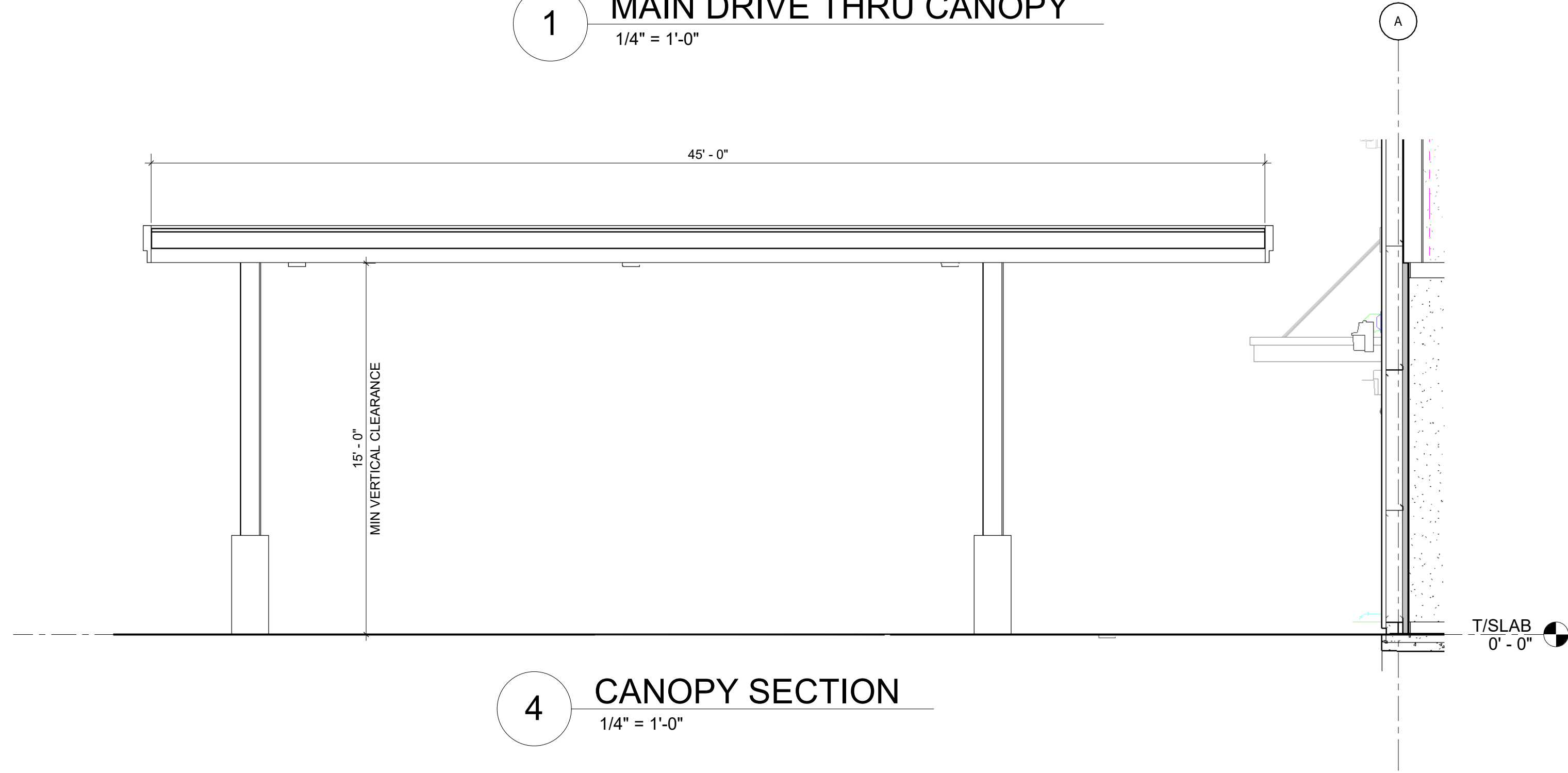
ALL ELECTRICAL TRIM SUCH AS SWITCHES, PLATE, DEVICES COVER ETC TO BE WHITE

PROVIDE 12"X12" ENTRANCE SELF ADHERED WALKOFF MAT TILE AT ALL SLIDING DOORS ENTRANCE WITH ALUMINUM EDGE REDUCER ON ALL SIDES.

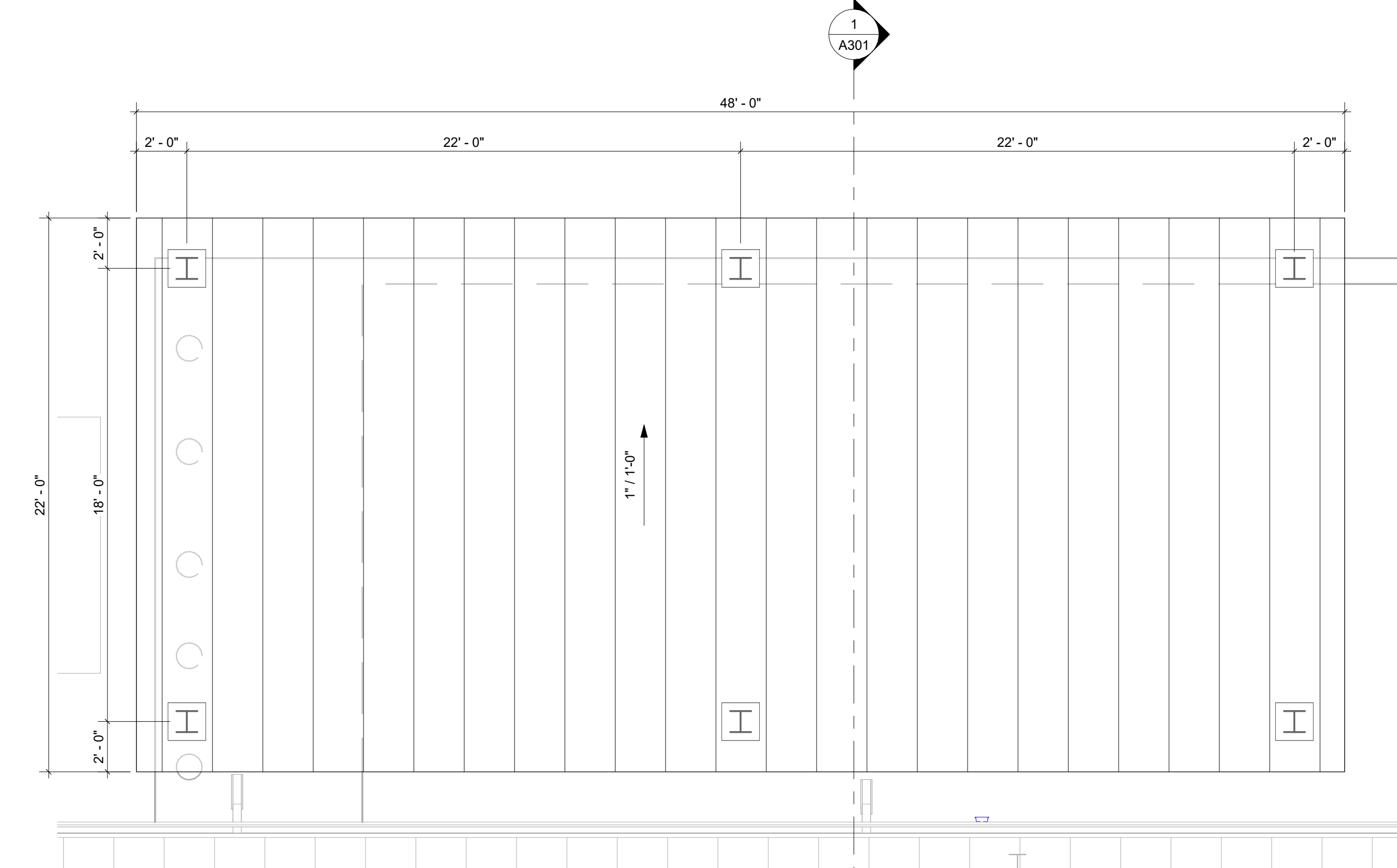




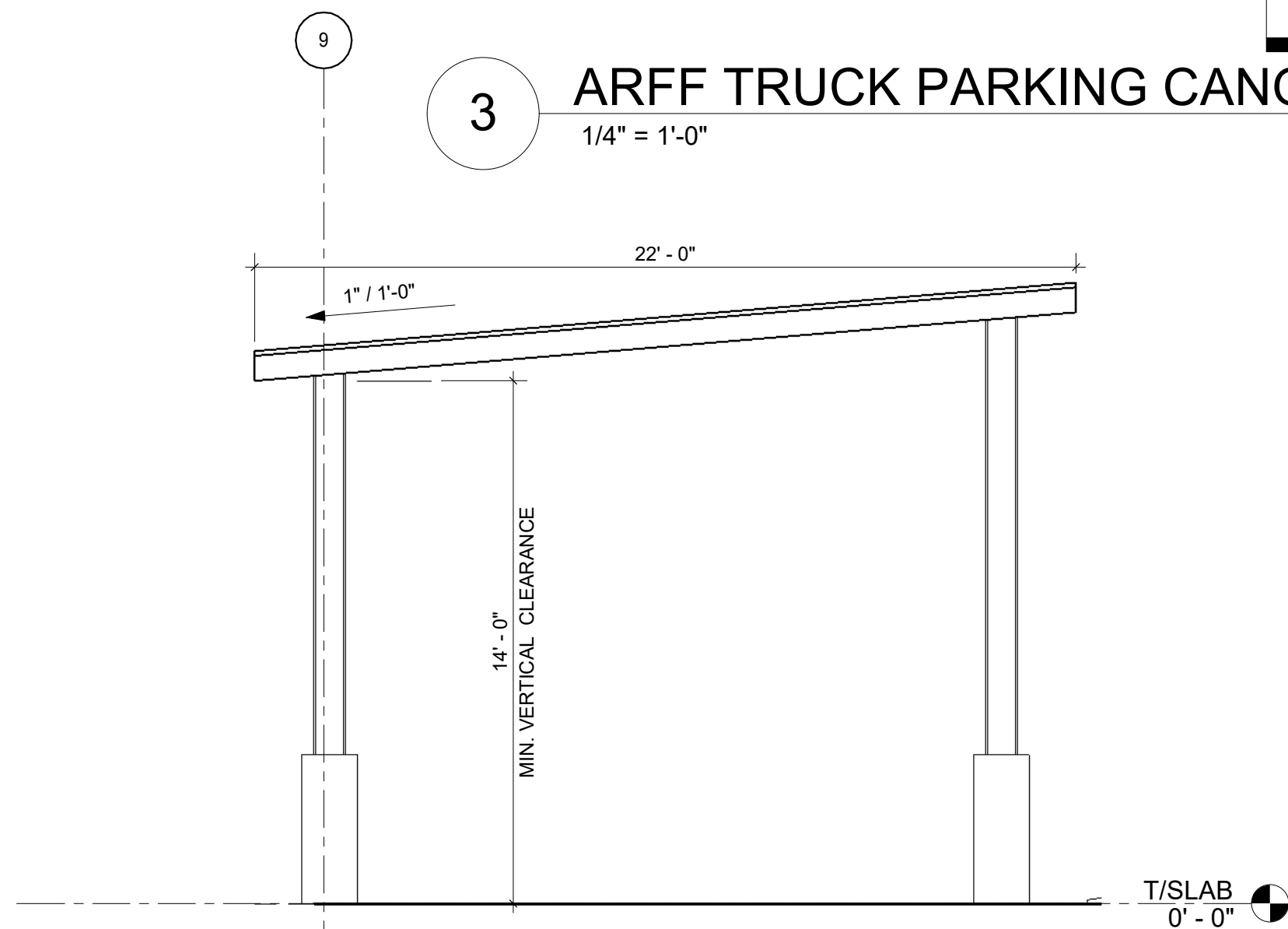
1 MAIN DRIVE THRU CANOPY
1/4" = 1'-0"



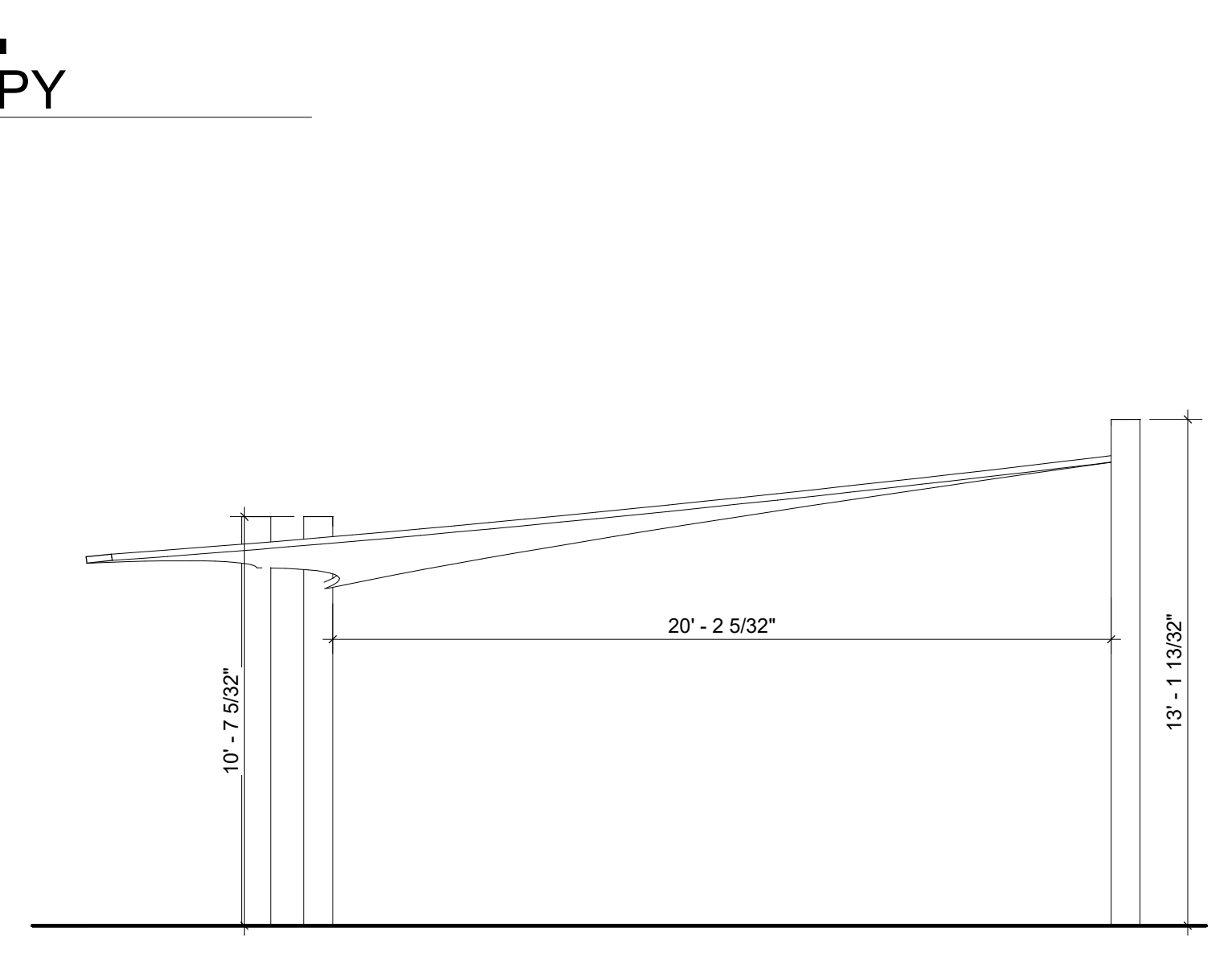
4 CANOPY SECTION
1/4" = 1'-0"



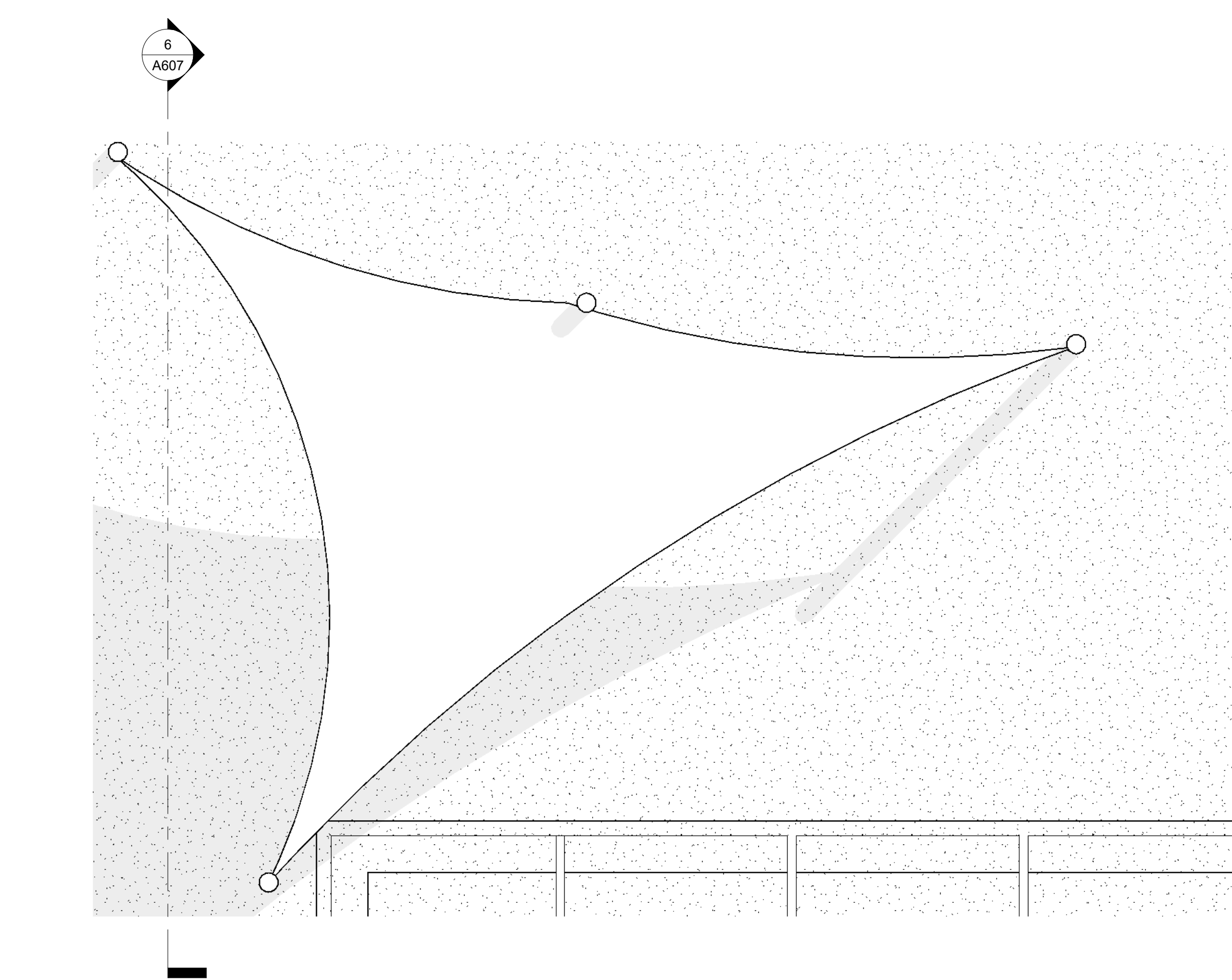
3 ARFF TRUCK PARKING CANOPY
1/4" = 1'-0"



5 ARFF TRUCK PARKING SECTION
1/4" = 1'-0"



6 SECTION @ FABRIC SHADE CANOPY
1/4" = 1'-0"



2 FOUR POST EXTERIOR FABRIC SHADE CANOPY
1/4" = 1'-0"

GC TO PROVIDE CONCRETE PER FINAL DESIGN BY CANOPY SUPPLIER

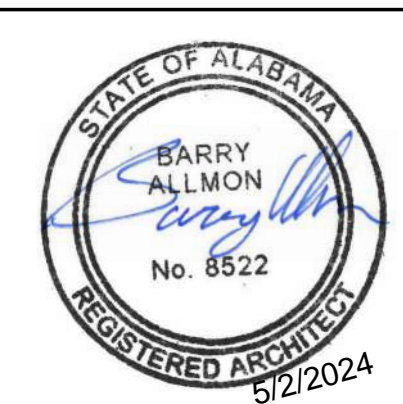
ALL CANOPIES TO BE DELEGATED DESIGN. CANOPY DESIGN AND CONSTRUCTION TO BE TURN KEY BY VENDOR

THE EXTERIOR CANOPIES INFORMATION PROVIDED ON THIS PAGE IS FOR BASIS OF DESIGN ONLY. EQUAL SUBSTITUTION WILL BE CONSIDERED. SUBSTITUTION SHALL MEET THE INTENT, THE LAYOUT, THE DIMENSION AND DESIGN CRITERIA.

THE DESIGN SHALL COMPLY WITH LOCAL BUILDING CODES.

THE COST SHALL INCLUDE ALL THE FINAL ENGINEERING OF THE CANOPIES, THE ASSOCIATED FOUNDATION REQUIRED BY THE FINAL DESIGN, THE MATERIAL FOR THE CANOPY CONSTRUCTION AS WELL AS THE PLACEMENT OF THE NECESSARY CONCRETE FOOTING.

CONTRACTOR TO SUBMIT VENDOR'S FINAL DESIGN SHOP DRAWING AND COLOR SELECTION FOR OWNER APPROVAL.



EXTERIOR PREMANUFACTURED CANOPIES

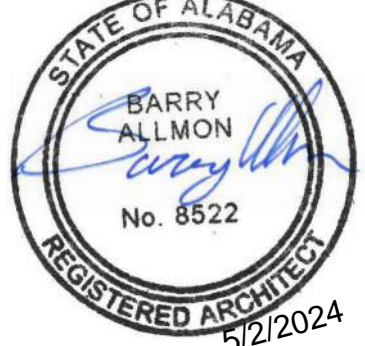
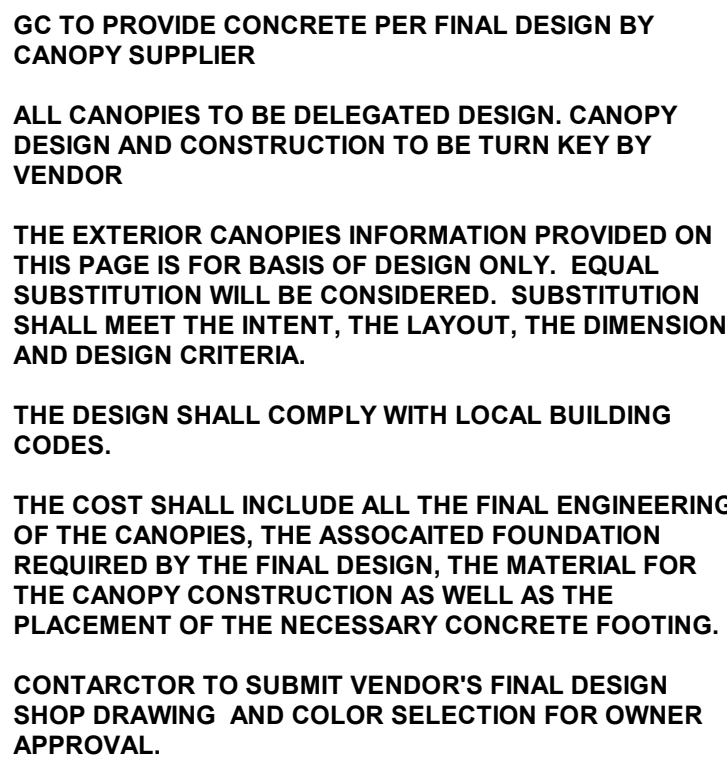
NEW TERMINAL BUILDING
GULF SHORES INTERNATIONAL AIRPORT
Gulf Shores, AL 36542



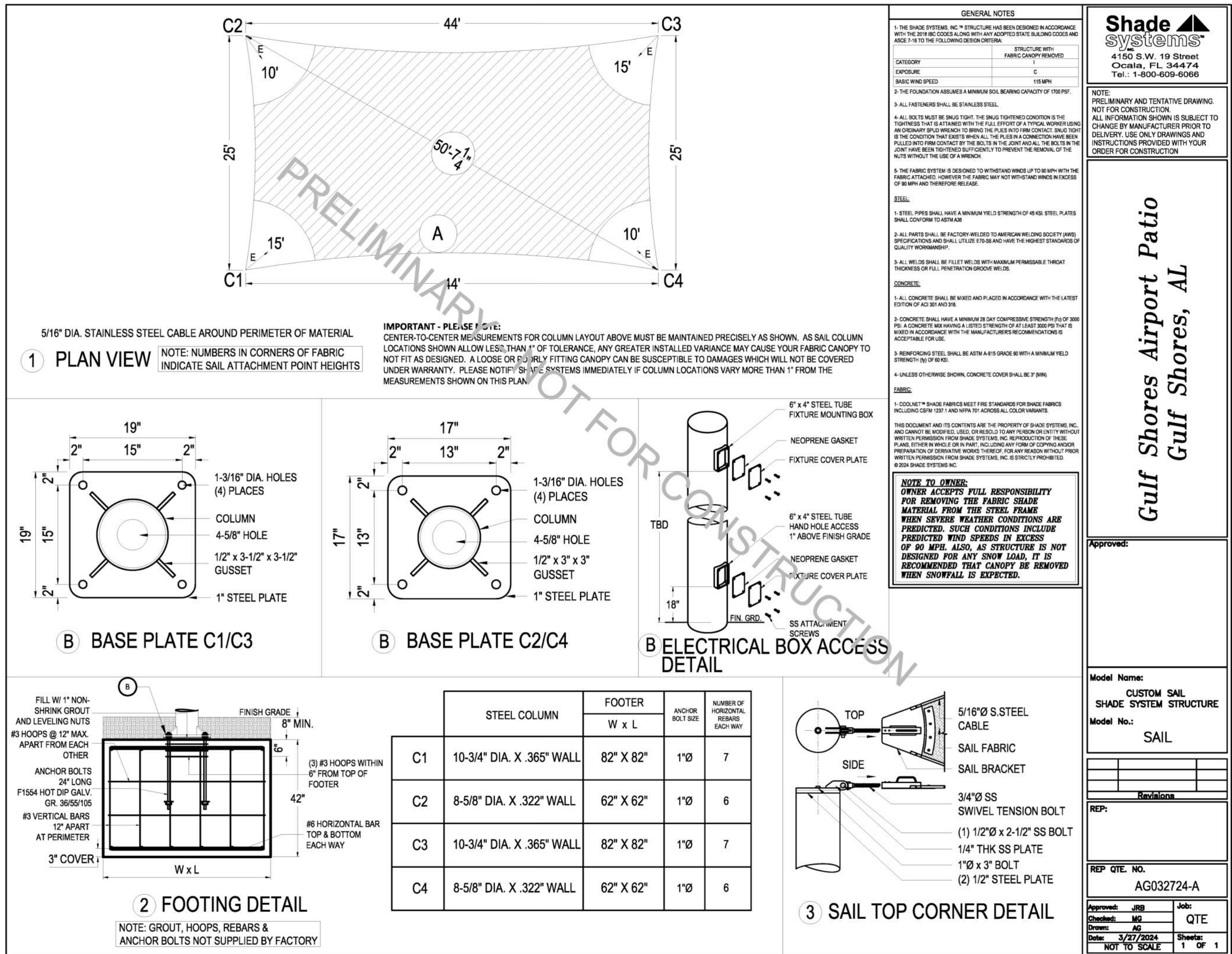
REV	DATE	BY	CHK	DESCRIPTION
1	05/03/2024	BA		ISSUED FOR BID

A607

FILE NO: 3110648



IMPORTANT: The footings sizes provided are estimated only. Depending on local conditions, actual engineered concrete footings may be substantially larger than estimates provided herein. Shade Systems is not responsible for actual engineered footings sizes differing from the estimates given or for any additional concrete installation costs which may be incurred by you as a result thereof.



AS INDICATED IN BLUE COLOR ON THE ATTACHED FFE PLAN, THE FOLLOWING IS A LIST OF EQUIPMENT AND DEVICES TO BE PROVIDED AND INSTALLED BY OWNER AFTER THE BUILDING CONSTRUCTION IS COMPLETED. THE CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING THE INFRASTRUCTURE AS INDICATED IN THE CONSTRUCTION DOCUMENT.

1. PA AND AUDIO SYSTEM
2. SECURITY ALARM SYSTEM
3. FACILITY ACCESS CONTROL SYSTEM
4. RENTAL CAR DESKS, TICKETING COUNTERS DESK AND PRINTER SYSTEM
5. WAY FINDING SIGNAGE, FLIGHT INFO DISPLAY AND RACKS
6. SECURITY CAMERA, SURVEILLANCE SYSTEM
7. FIBEROPTICS, IT NETWORK
8. COMPUTER NETWORK UPS SYSTEMS
9. CABLE TV SYSTEM
10. TICKETING SYSTEM AND COUNTER, AIRLINE BOARDING COUNTER ETC
11. TSA EQUIPMENT AND SYSTEM
12. FACILITY OFFICE FURNITURE SYSTEM
13. SEATING SYSTEM
14. TOILET ACCESSORIES SUCH AS SOAP DISPENSER PAPER TOWEL DISPENSER ETC
15. VENDING SYSTEM, MACHINES.
16. FACILITY GENERATOR?
17. CONVEYOR, CAROUSEL, LUGGAGE HANDLING SYSTEM

BARGE
DESIGN SOLUTIONS.

16 GERMANTOWN COURT / SUITE 100 / MEMPHIS, TN 38103
PHONE: (901) 251-1000



FFE PLAN

NEW TERMINAL BUILDING
GULF SHORES INTERNATIONAL AIRPORT

Gulf Shores, AL 36542

REVISION INFORMATION

DATE: 05-03-2024

ISSUED FOR: BID

DESCRIPTION:

REV: 01

CHK: BA

TO: 01

BY: 01

DATE: 05-03-2024

ISSUED FOR: BID

DESCRIPTION:

REV: 01

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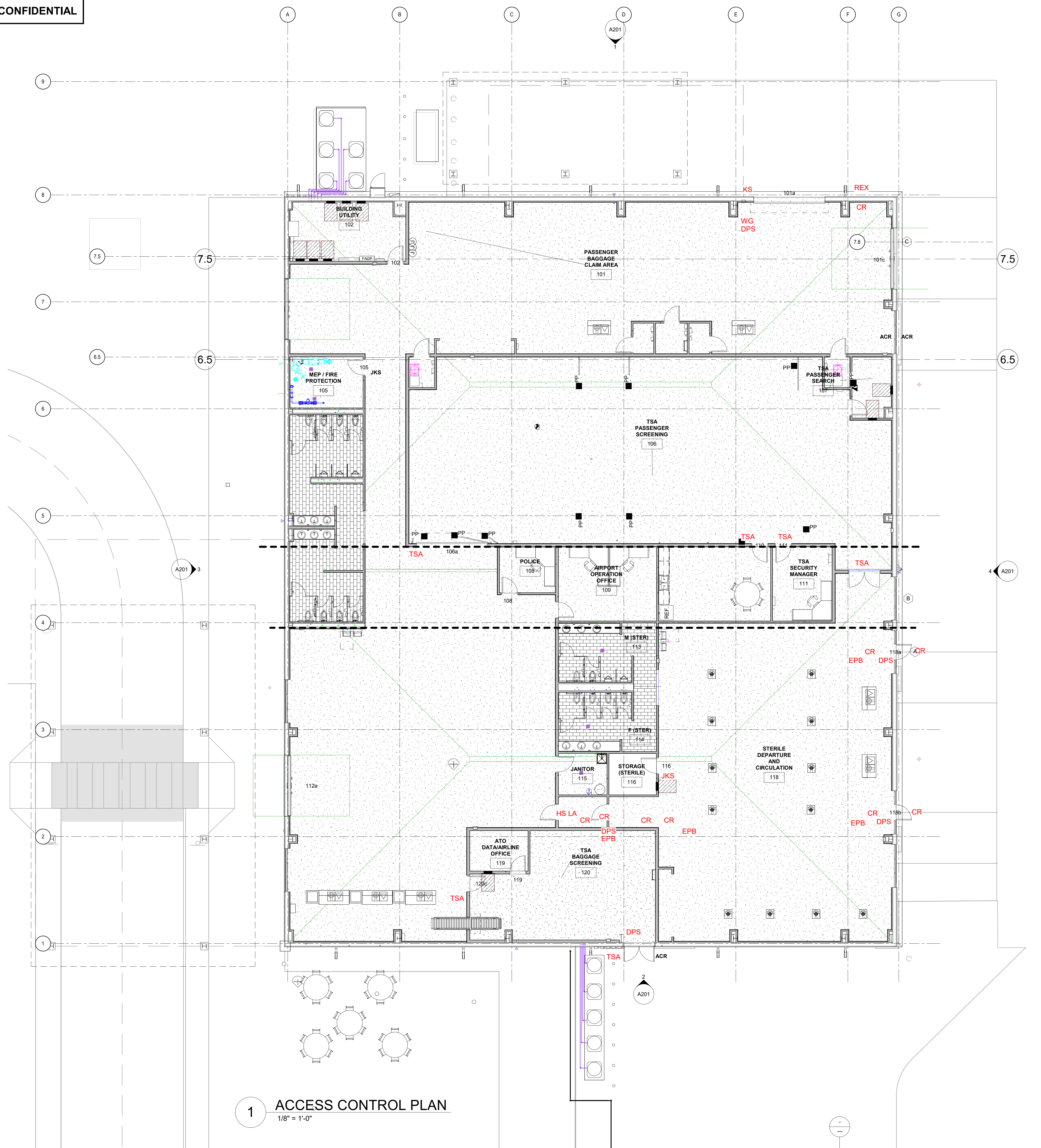
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TO: 01

BY: 01

DATE: 05-03-2024

CONFIDENTIAL



1 ACCESS CONTROL PLAN

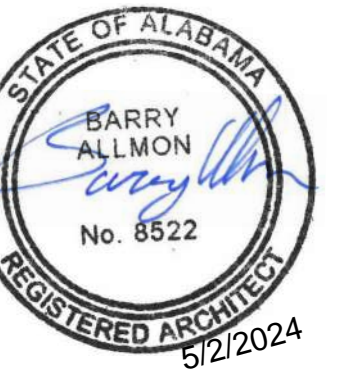
THIS DRAWING IS PROVIDED FOR GENERAL COORDINATION FOR OWNER SECURITY DESIGN ONLY.

IT IS THE RESPONSIBILITY OF THE OWNER'S SELECTED SECURITY AND ACCESS CONTROL VENDOR FOR THE FULL DESIGN OF THE SYSTEM. GC TO COORDINATE WITH OWNER'S VENDORS.

GC TO COORDINATE WITH VENDOR AND ELECTRICAL FOR PROVISION OF UTILITY AND ANY INFRASTRUCTURE NEEDED SUCH AS CONDUITS AND JUNCTION BOXES OR BLOCKING BEHIND WALLS FOR A COMPLETE INSTALLATION.

CR = ACCESS CONTROL CARD READER AND KEY PAD
DP = DOOR POSITION SWITCH
ES = EMERGENCY PANIC BAR
TSA = TSA APPROVED CONTROLLED LOCK AND KEY CAME
CSA = SECURITY CAMERA

CR = ACCESS CONTROL CARD READER AND KEY PAD
DPS = DOOR POSITION SWITCH
EPB = EMERGENCY PANIC BAR
TSA = TSA APPROVED CONTROLLED LOCK AND KEY
CAM = SECURITY CAMERA



ACCESS CONTROL

NEW TERMINAL BUILDING

GULF SHORES INTERNATIONAL AIRPORT

Gulf Shores, AL 36542

ACCESS CONTROL

NEW TERMINAL BUILDING

GULF SHORES INTERNATIONAL AIRPORT

Gulf Shores, AL 36542

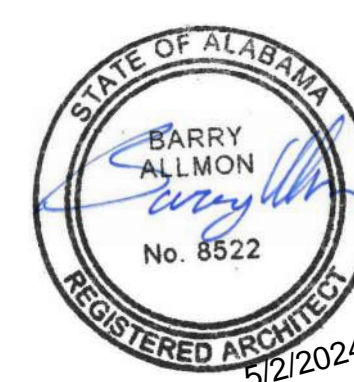
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AI802

FILE NO: 3110648

FOR LONG TERM PLANNING PURPOSE, THE AIRPORT INTENTS TO REMODEL THE TERMINAL INTO AN AIRCRAFT HANGAR IN THE FUTURE. THE PRE ENGINEERING BUILDING STRUCTURAL FRAMING DESIGN SHALL TAKE INTO CONSIDERATION THAT A FUTURE HANGAR DOOR OF THE SIZE OF 105' WIDE BY 28 FEET TALL MAX. THE LAYOUT AND THE ENGINEERING OF THE STEEL FRAME SHALL BE ABLE TO ACCOMMODATE THE REQUIREMENT OF SUCH DOOR.

THE INTENT IS TO ALLOW MOVMENT OF POSSIBLY A GULFSTREAM V AS THE LARGEST AIRCRAFT AS THE BASIS OF THE CONSIDERATION.



FUTURE CONSTRUCTION CONSIDERATION

NEW TERMINAL BUILDING

GULF SHORES INTERNATIONAL AIRPORT
NEW TERMINAL BUILDING

Gulf Shores, AL 36542

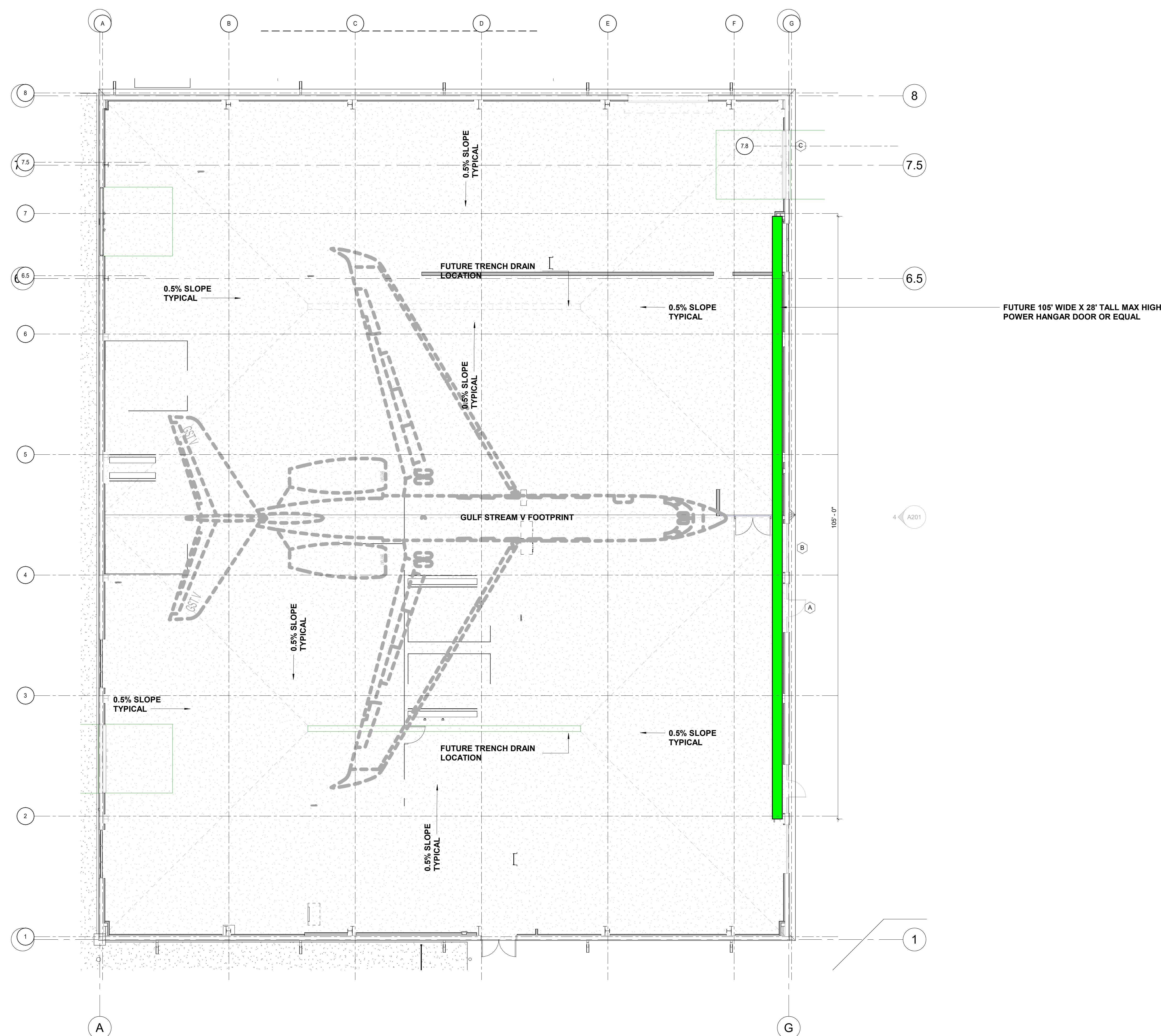
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**Renaissance
Group**



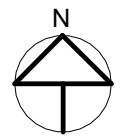
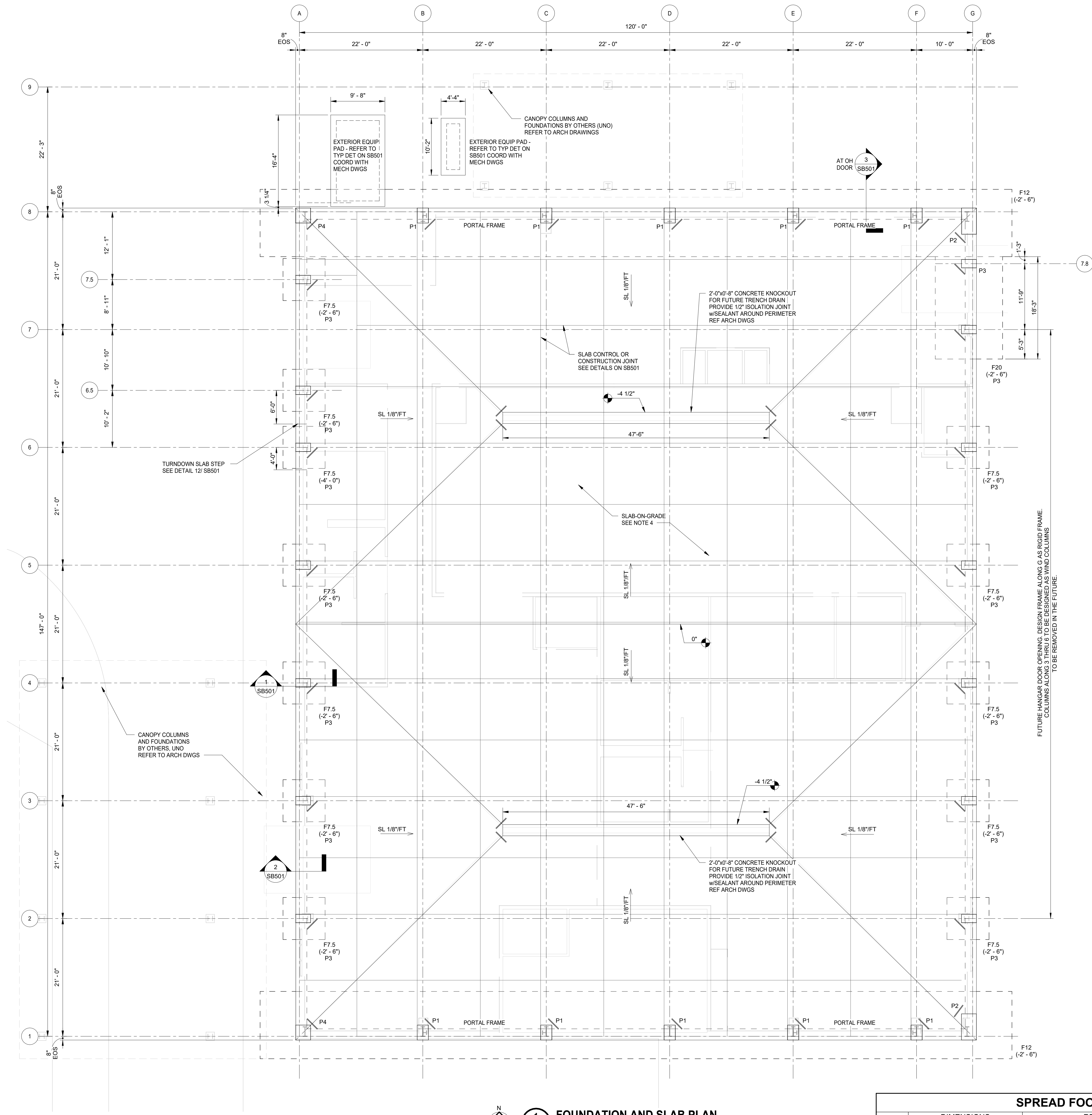
Al803

FILE NO: 3110648



1 PRE ENGINEERING METAL BUILDING STRUCTURAL FRAMING CONSIDERATIONS

$$\frac{1}{8}'' = 1'-0''$$



1 FOUNDATION AND SLAB PLAN
SCALE: 1/8" = 1'-0"

SPREAD FOOTING SCHEDULE						
MARK	DIMENSIONS			REINFORCING		COMMENTS
	WIDTH	LENGTH	THICKNESS	BOTTOM	TOP	
F7.5	7'-6"	7'-6"	2'-0"	#8 @ 12" C/C EW	#8 @ 12" C/C EW	ISOLATED FOOTING
F12	134'-0"	12'-0"	3'-0"	#8 @ 12" C/C EW	#8 @ 12" C/C EW	COMBINED FOOTING
F20	12'-0"	18'-3"	2'-0"	#8 @ 12" C/C EW	#8 @ 12" C/C EW	COMBINED FOOTING

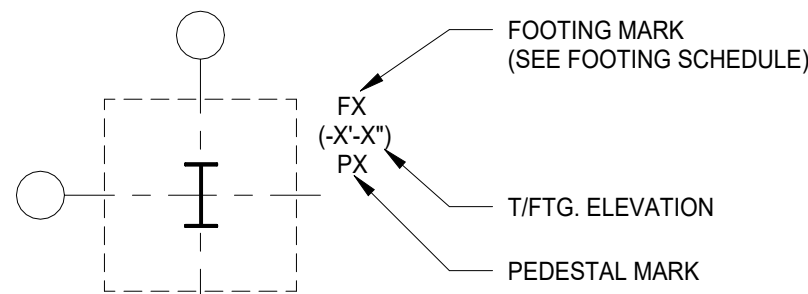
PEDESTAL SCHEDULE						
MARK	REINFORCING DETAIL	REINFORCING	TIES	WIDTH (w)	LENGTH (l)	TOP OF PEDESTAL
P1	R1	(12) #6 DOWELS VERT	#4 (3) @ 3" OC, THEN @ 12" OC	2'-8"	2'-0"	EL 0'-0"
P2	R2	(20) #6 DOWELS VERT	#6 (3) @ 3" OC, THEN @ 12" OC	4'-8"	2'-8"	EL 0'-0"
P3	R1	(10) #6 DOWELS VERT	#4 (5) @ 3" OC, THEN @ 6" OC	2'-8"	1'-6"	EL 0'-0"
P4	R1	(12) #6 DOWELS VERT	#4 (3) @ 3" OC, THEN @ 12" OC	2'-8"	2'-8"	EL 0'-0"

NOTE:
PEDESTAL SIZES AND REINFORCEMENT BASED ON PRELIMINARY COLUMN SIZES RECEIVED BY PEMB MANUFACTURER. SUBJECT TO CHANGE BASED ON FINAL PEMB DRAWINGS.

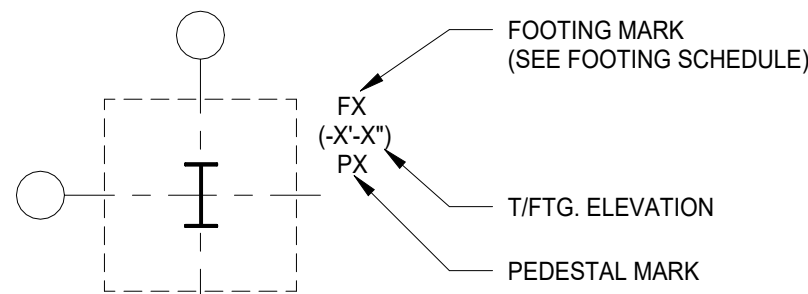
PLAN NOTES

- ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL. OF 0'-0" REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
- REFER TO DRAWING SG001 AND FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
- REFER TO DRAWING SB501 FOR FOUNDATION SECTIONS AND DETAILS.
- SLAB ON GRADE SHALL BE 8" MINIMUM THICKNESS CONCRETE SLAB REINFORCED WITH STEEL FIBERS, TO BE DESIGNED BY OTHERS PER DESIGN CRITERIA SPECIFIED ON DRAWING SG001. ON 15 MIL VAPOR RETARDER, ON 6" COMPACTED AGGREGATE BASE, COMPACTED STONE BASE SHALL BE ALODIT-825-B CRUSHED AGGREGATE BASE.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- FLOOR SLAB TO SLOPE AT A RATE OF 1/8 INCH PER LINEAR FOOT TO FLOOR DRAINS (REFERENCE ARCH DRAWINGS). FINAL FLOOR DRAIN LOCATIONS TO BE DETERMINED.
- MAXIMUM SPACING OF CONSTRUCTION JOINTS TO BE 120'-0".
- REFER TO DRAWING SB501 FOR ANCHOR RODS.
- INDICATES RE-ENTRANT CORNER BARS. SEE DETAIL 7/SB501.

LEGEND



FOOTING LEGEND



FOOTING/PEDESTAL NOTES

- EW = EACH WAY.
- ALL COLUMN FOUNDATIONS SHALL BE CENTERED ON THE PEDESTALS.
- ALL REINFORCEMENT SHALL BE EQUALLY SPACED.
- TOP OF PEDESTAL ELEVATION IS 0'-0" UNO.

BARGE
DESIGN SOLUTIONS.



FOUNDATION PLAN

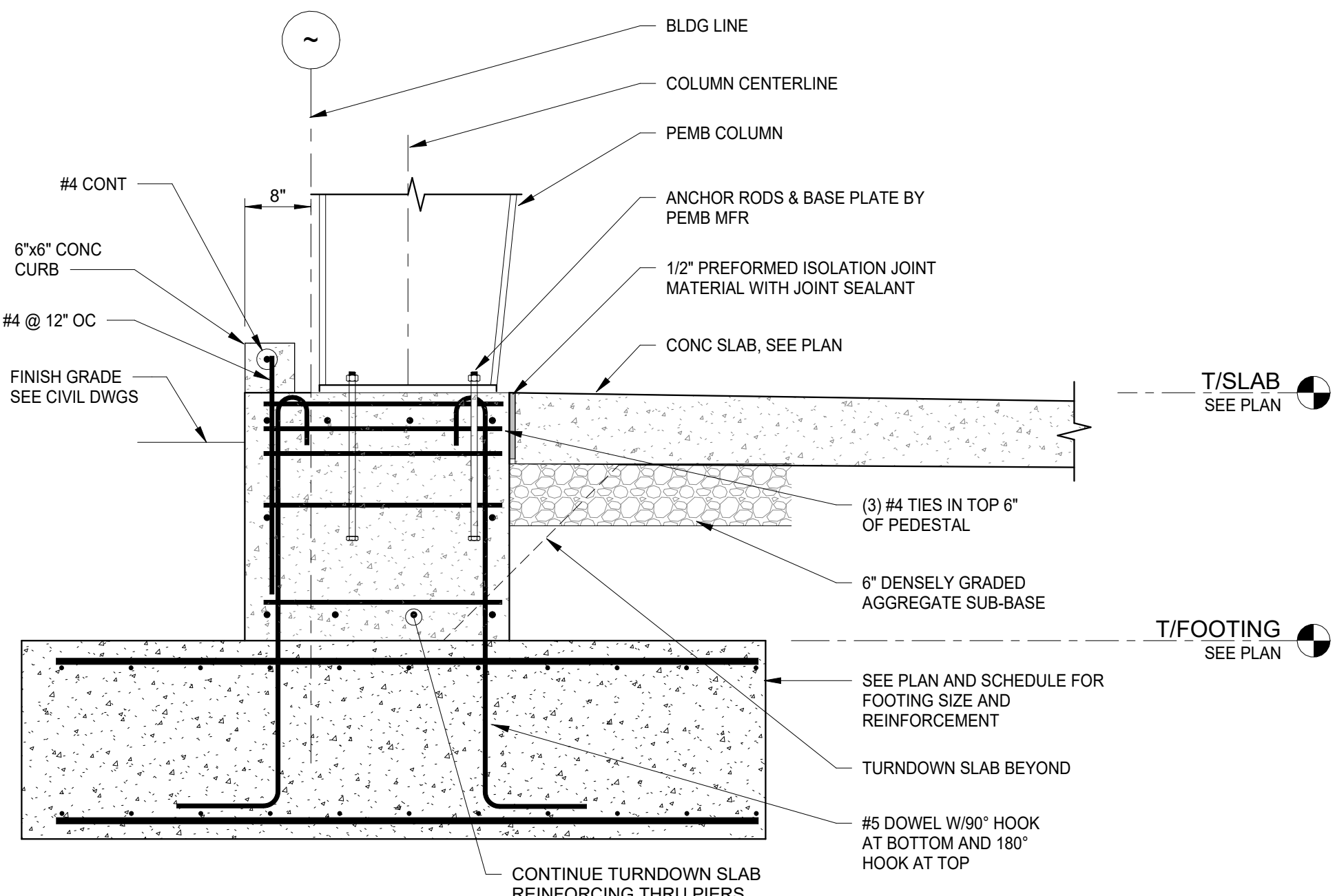
GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

3190 Airport Dr, Gulf Shores, AL 36542

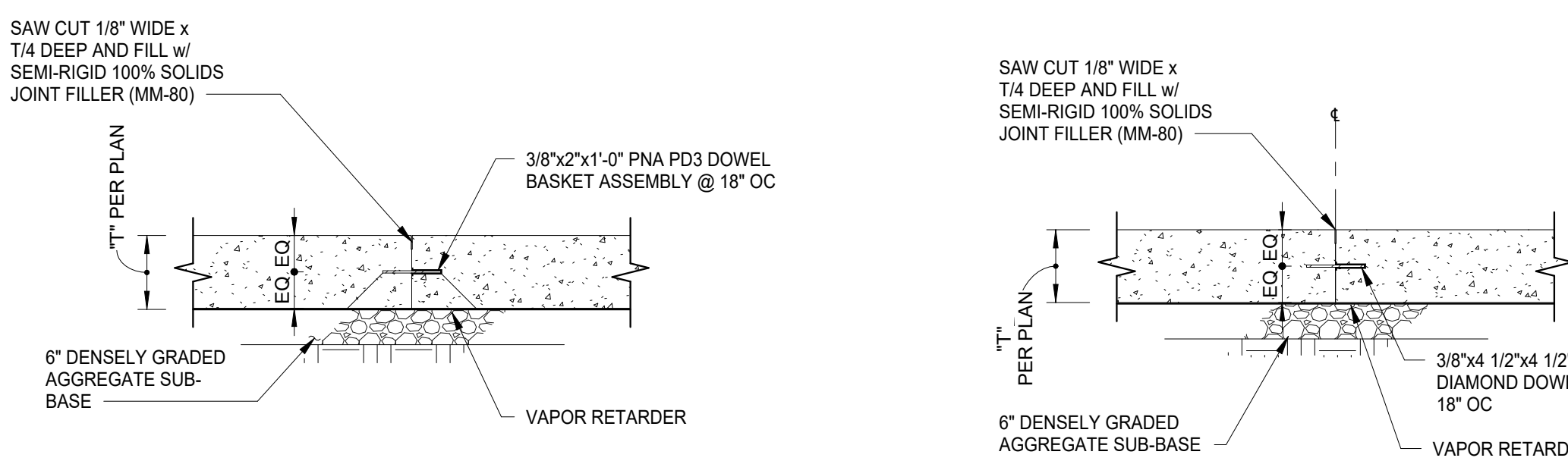
SB101

FILE NO: 3110648



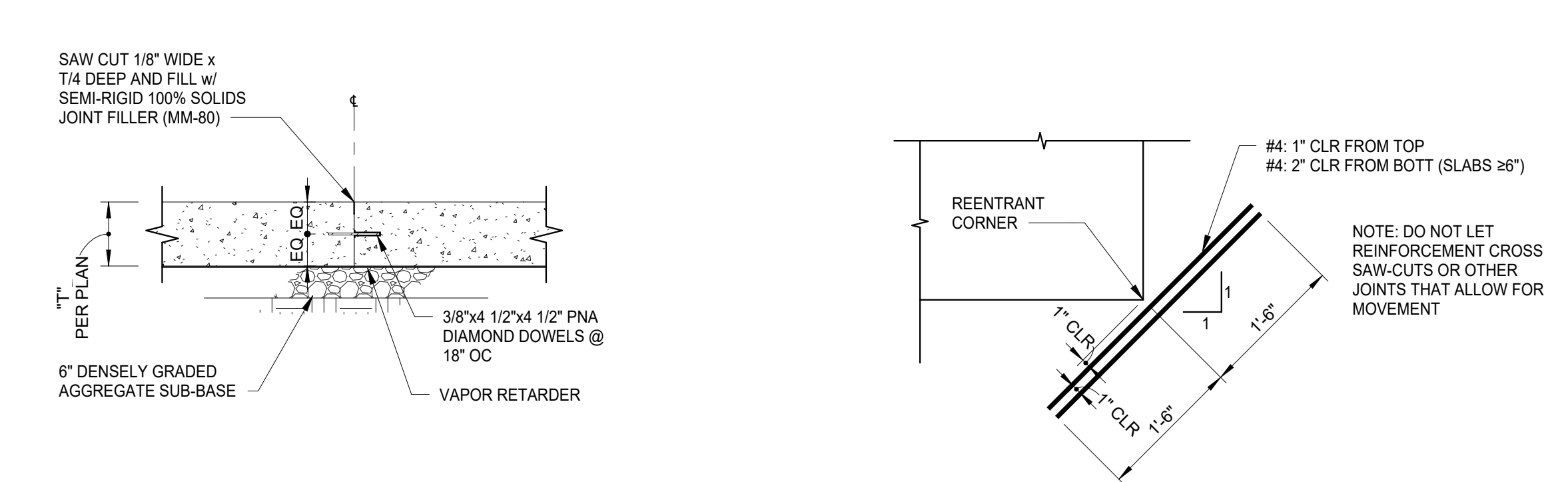
1 TYPICAL ISOLATED FOOTING

SB501 NTS



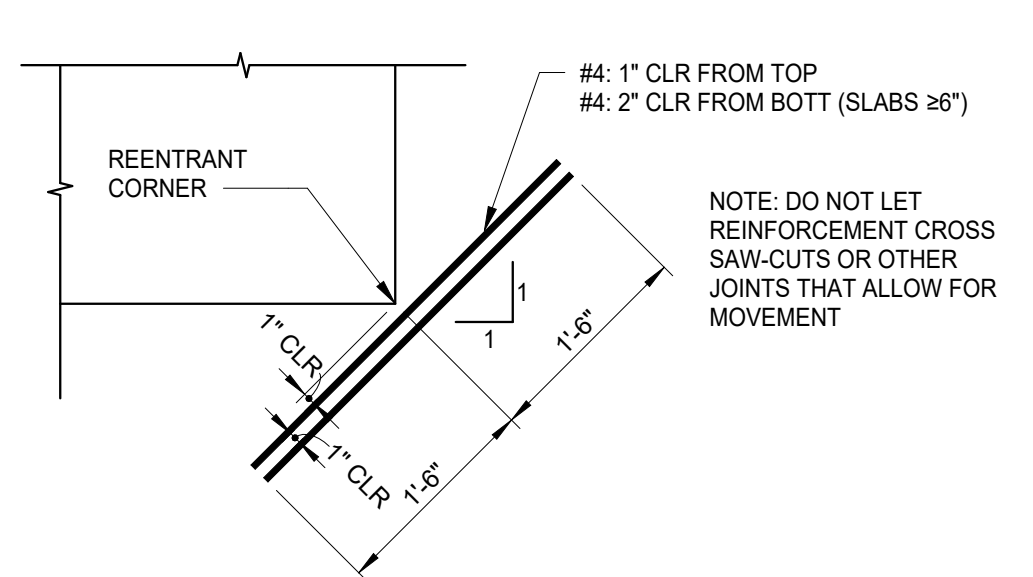
5 TYPICAL SLAB CONTROL JT

SB501 NTS



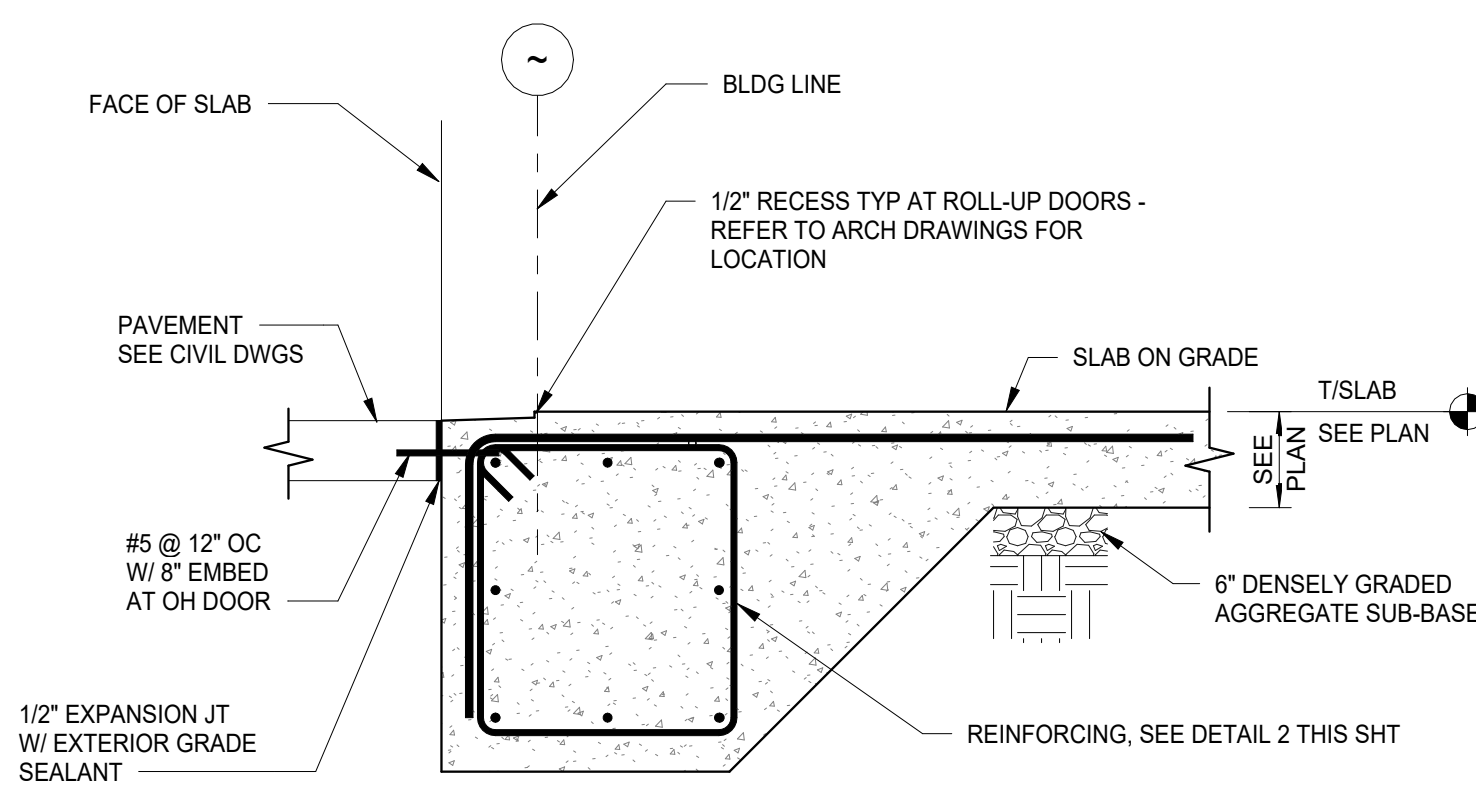
6 TYPICAL SLAB CONSTRUCTION JT

SB501 NTS



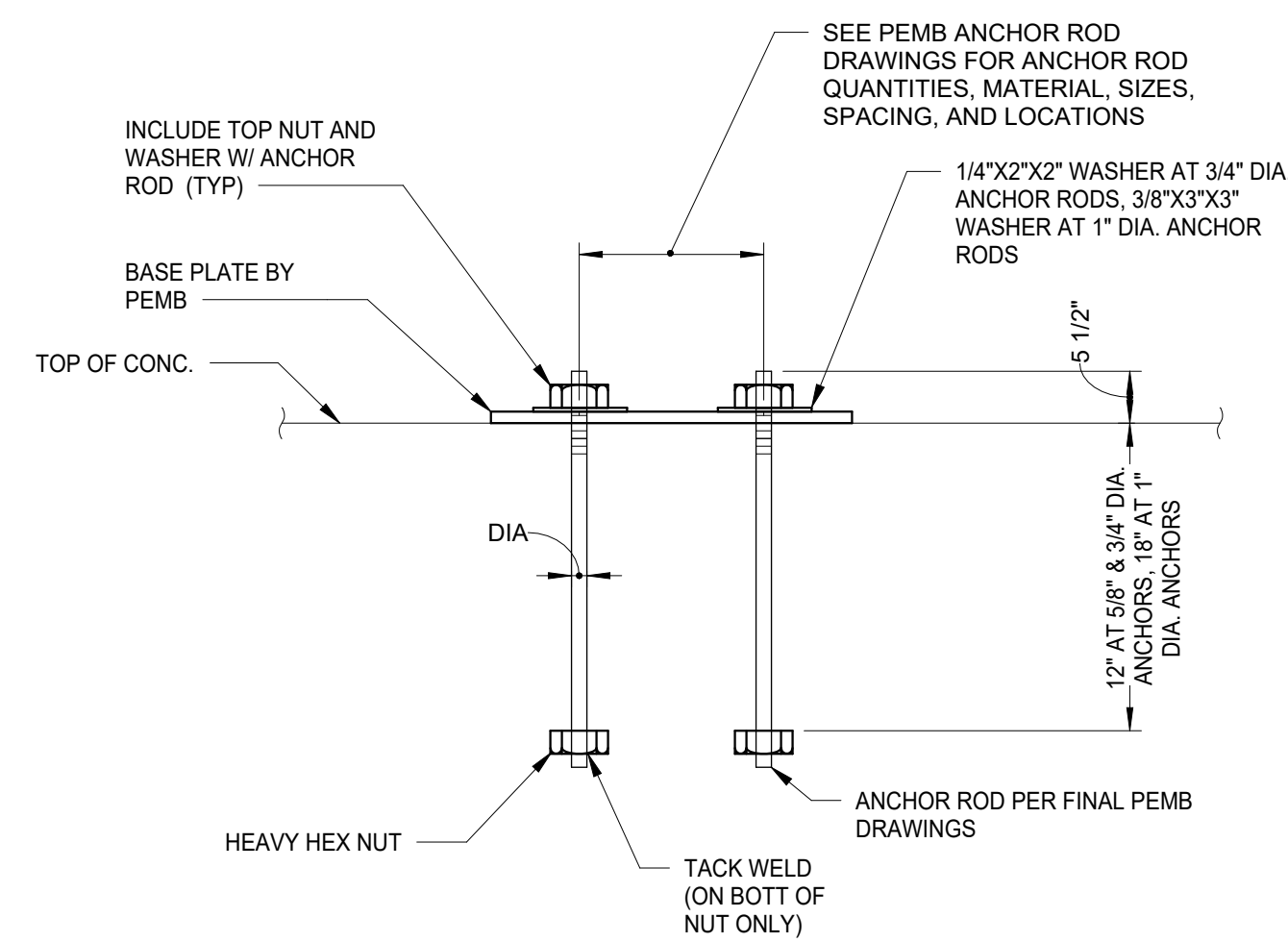
7 TYPICAL REENRANT CORNER REINFORCING

SB501 NTS



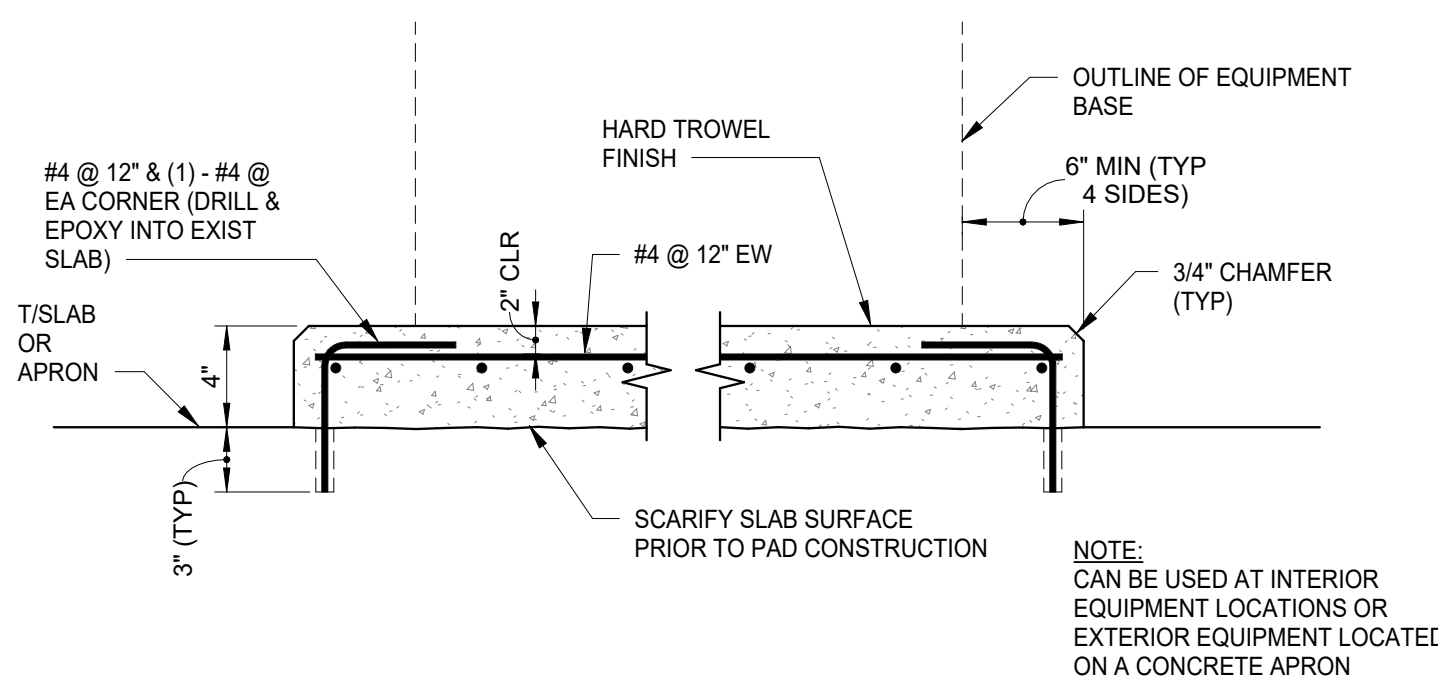
3 TYPICAL EXTERIOR DOOR THRESHOLD

SB501 NTS



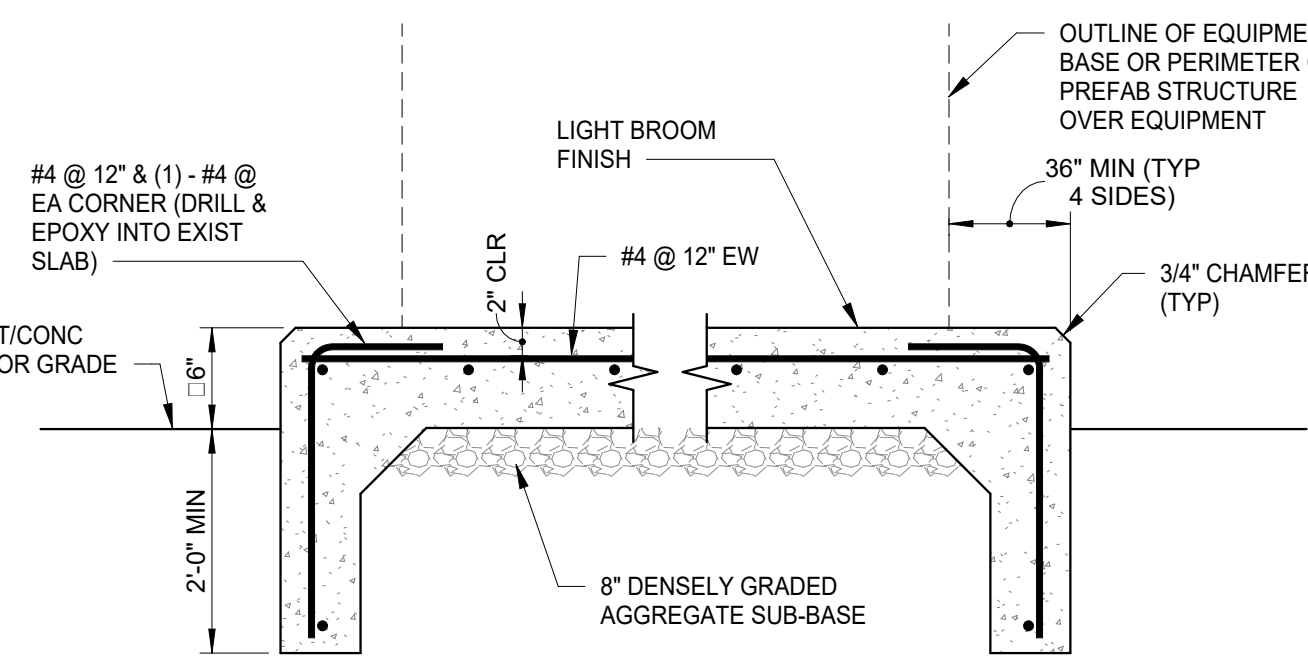
4 PEMB COL ANCHOR RODS

SB501 NTS



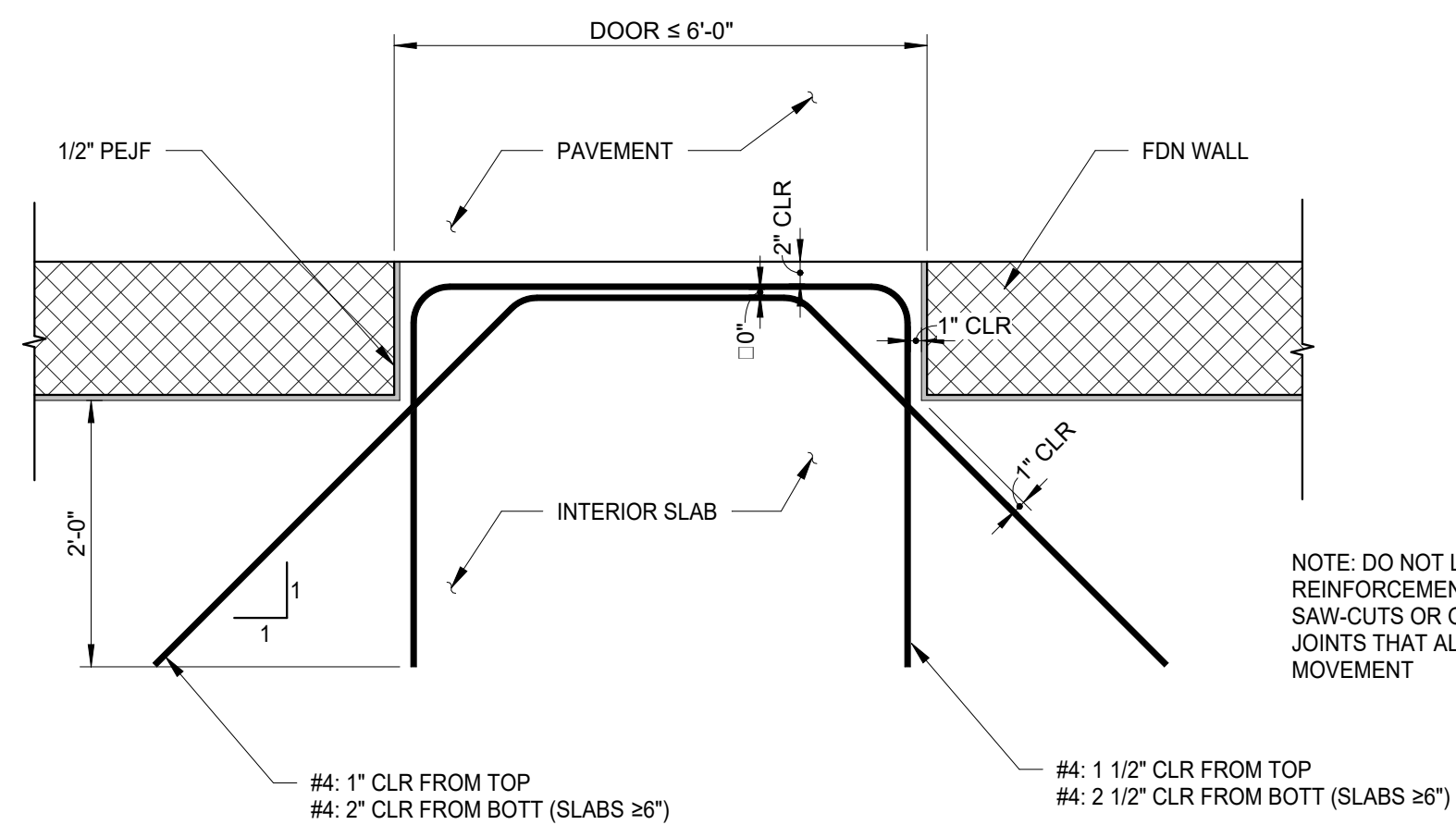
8 TYPICAL INTERIOR HOUSEKEEPING PAD

SB501 NTS



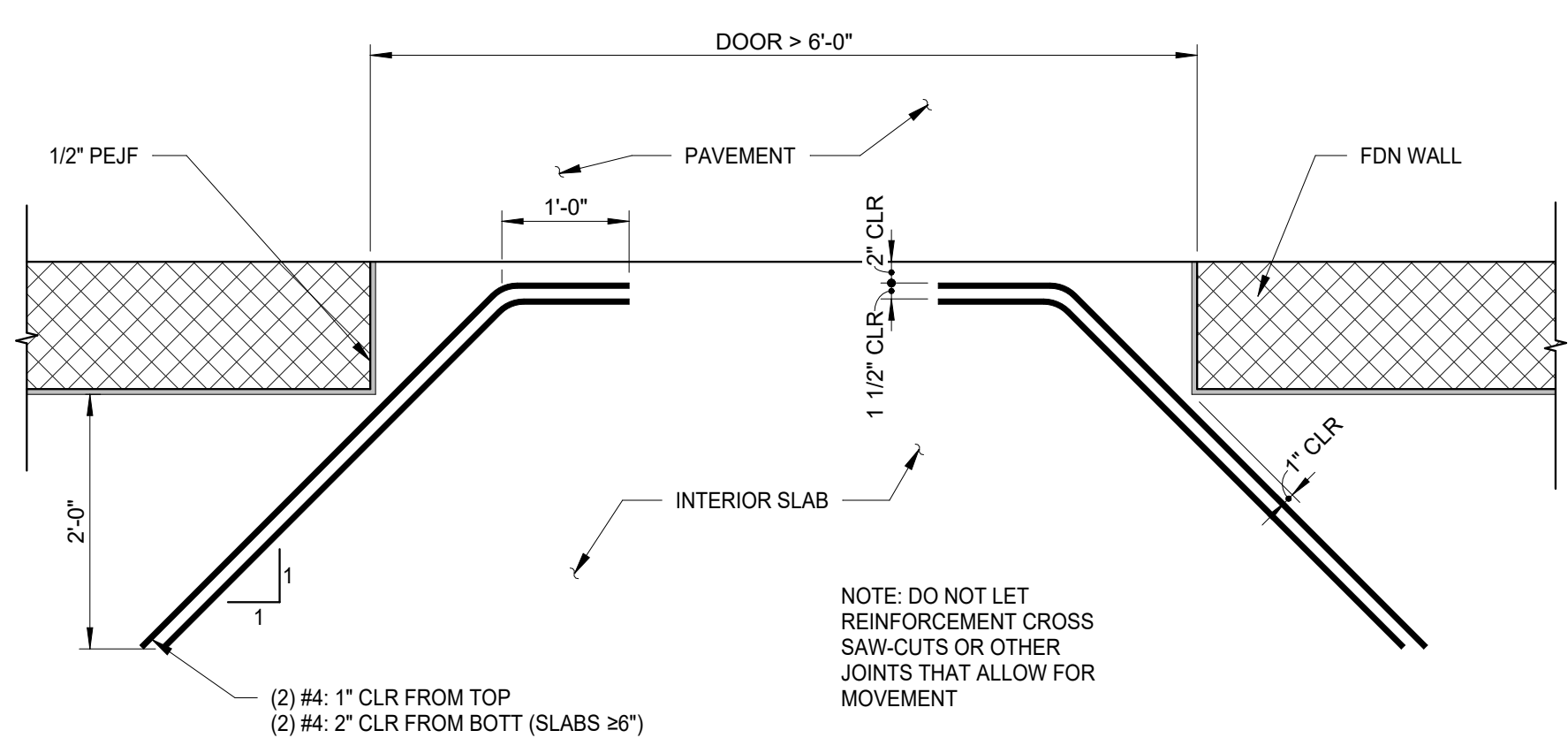
9 TYPICAL EXTERIOR EQUIPMENT PAD

SB501 NTS



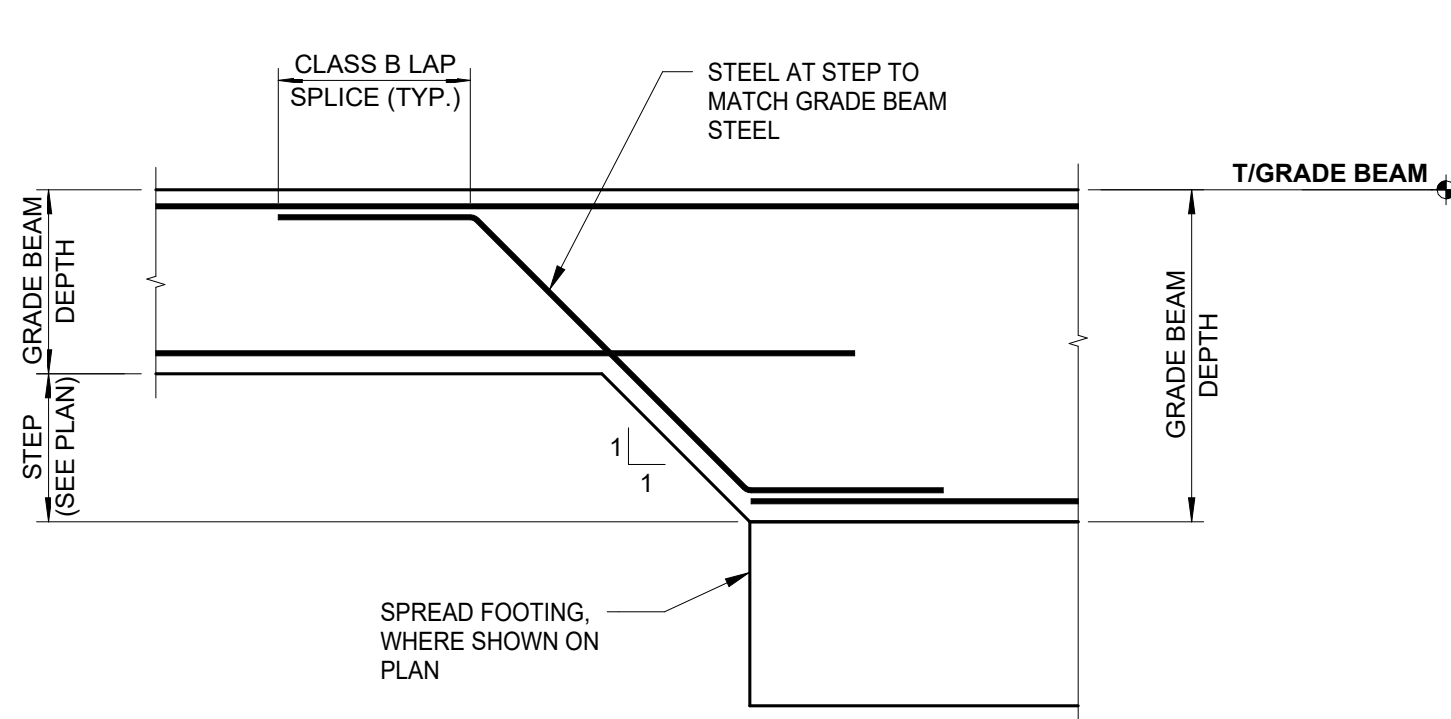
10 TYPICAL REINFORCING AT DOORS ≤6'-0"

SB501 NTS



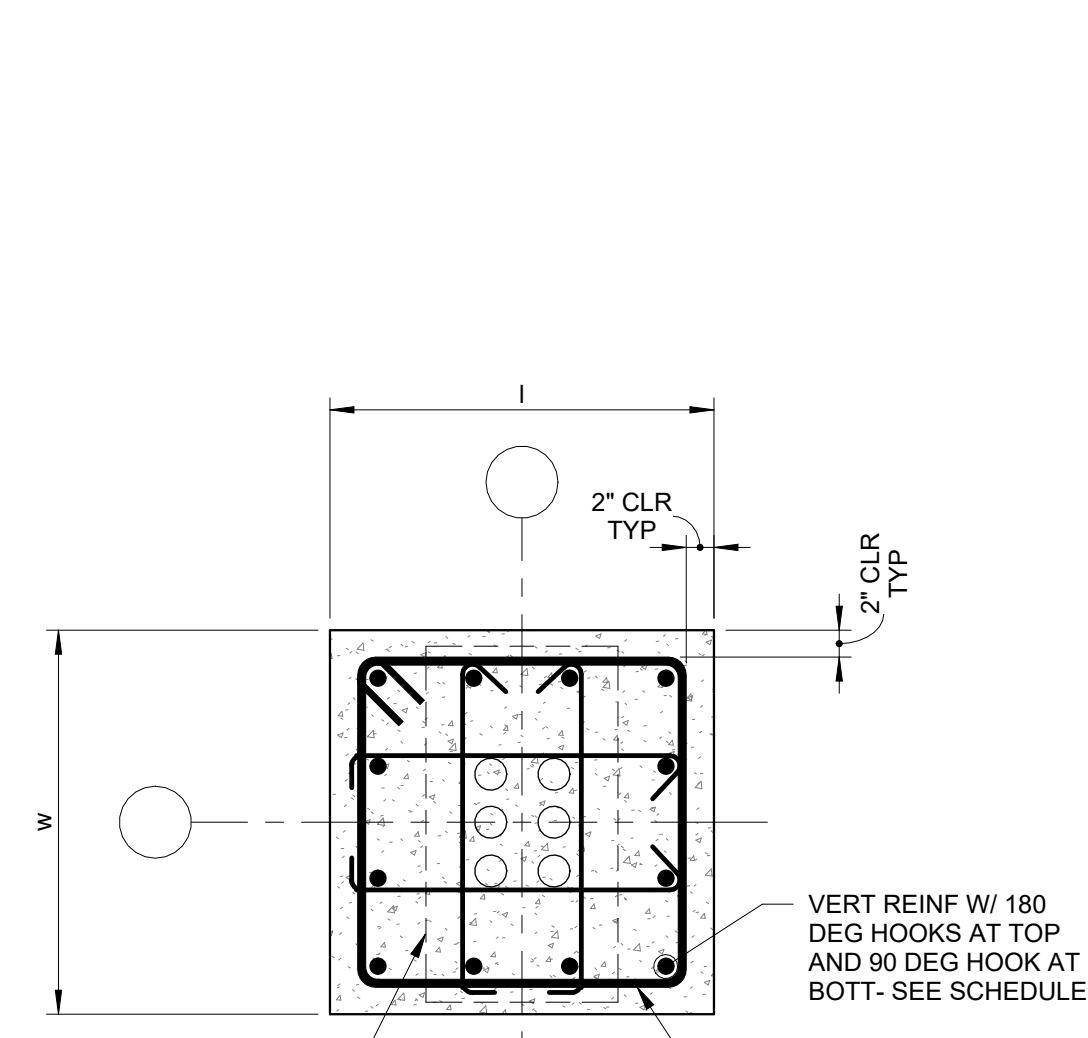
11 TYPICAL REINFORCING AT DOORS >6'-0"

SB501 NTS

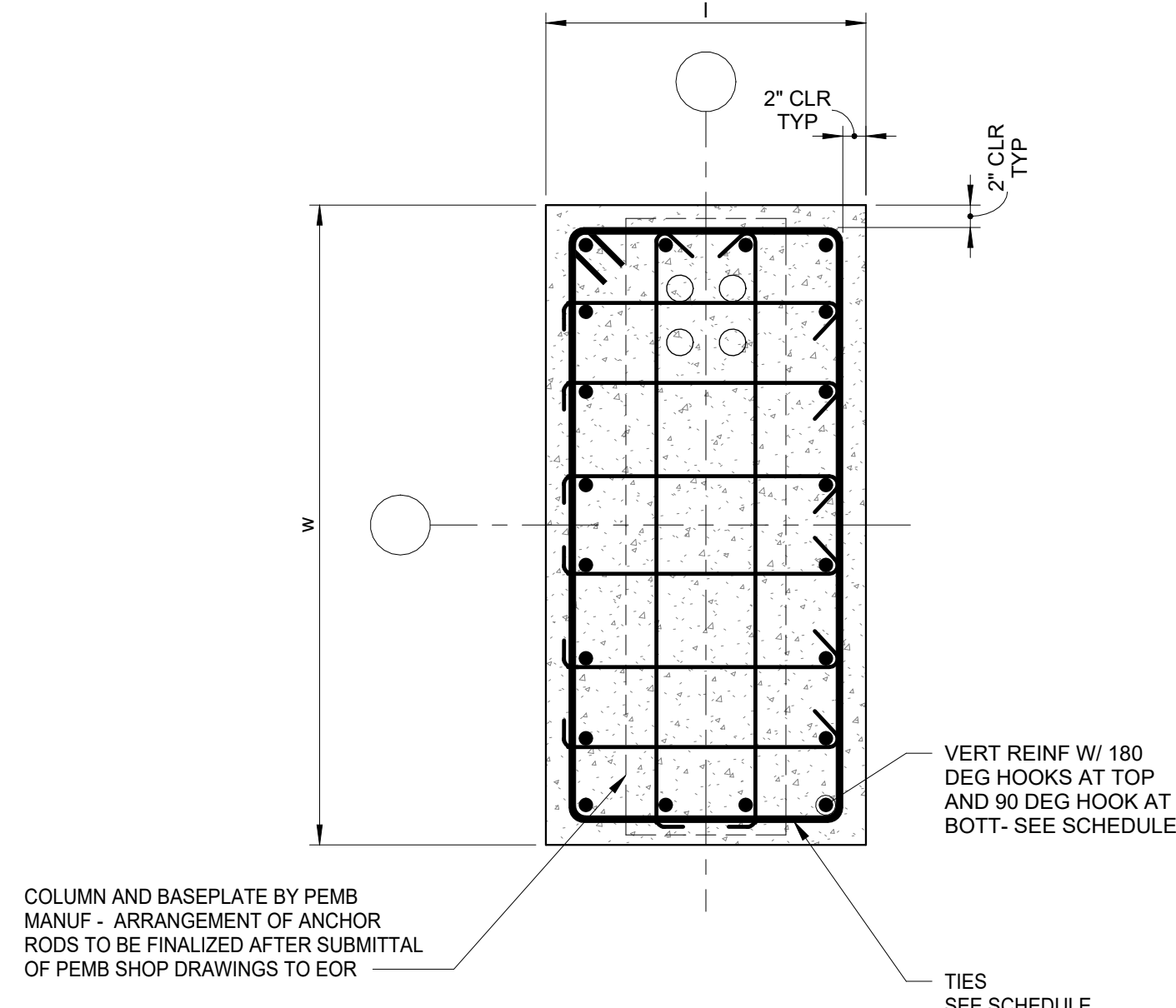


12 GRADE BEAM STEP

SB501 NTS



PEDESTAL REINFORCING TYPE 'R1'



PEDESTAL REINFORCING TYPE 'R2'

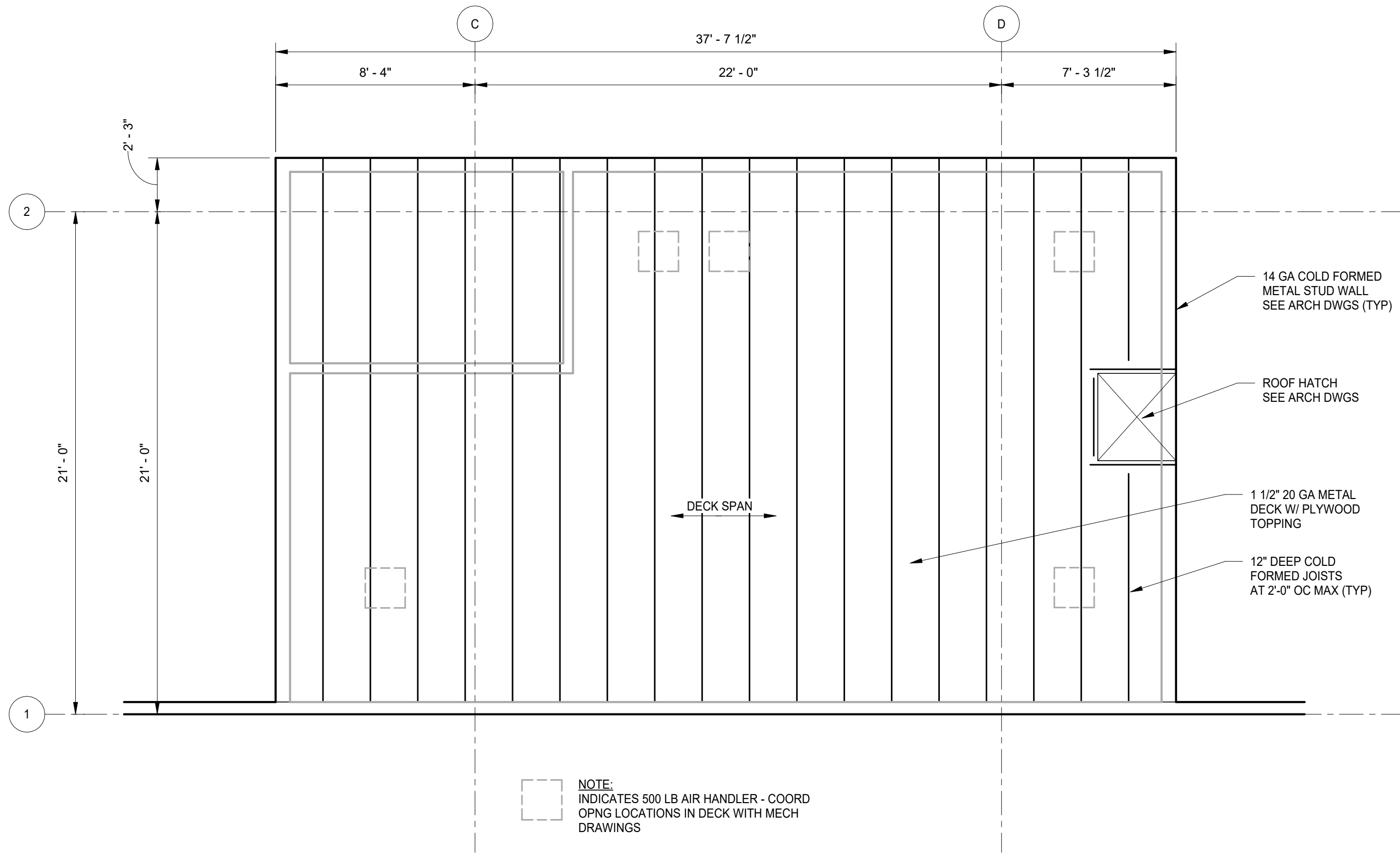
13 PEDESTAL REINFORCING DETAILS

SB501 NTS

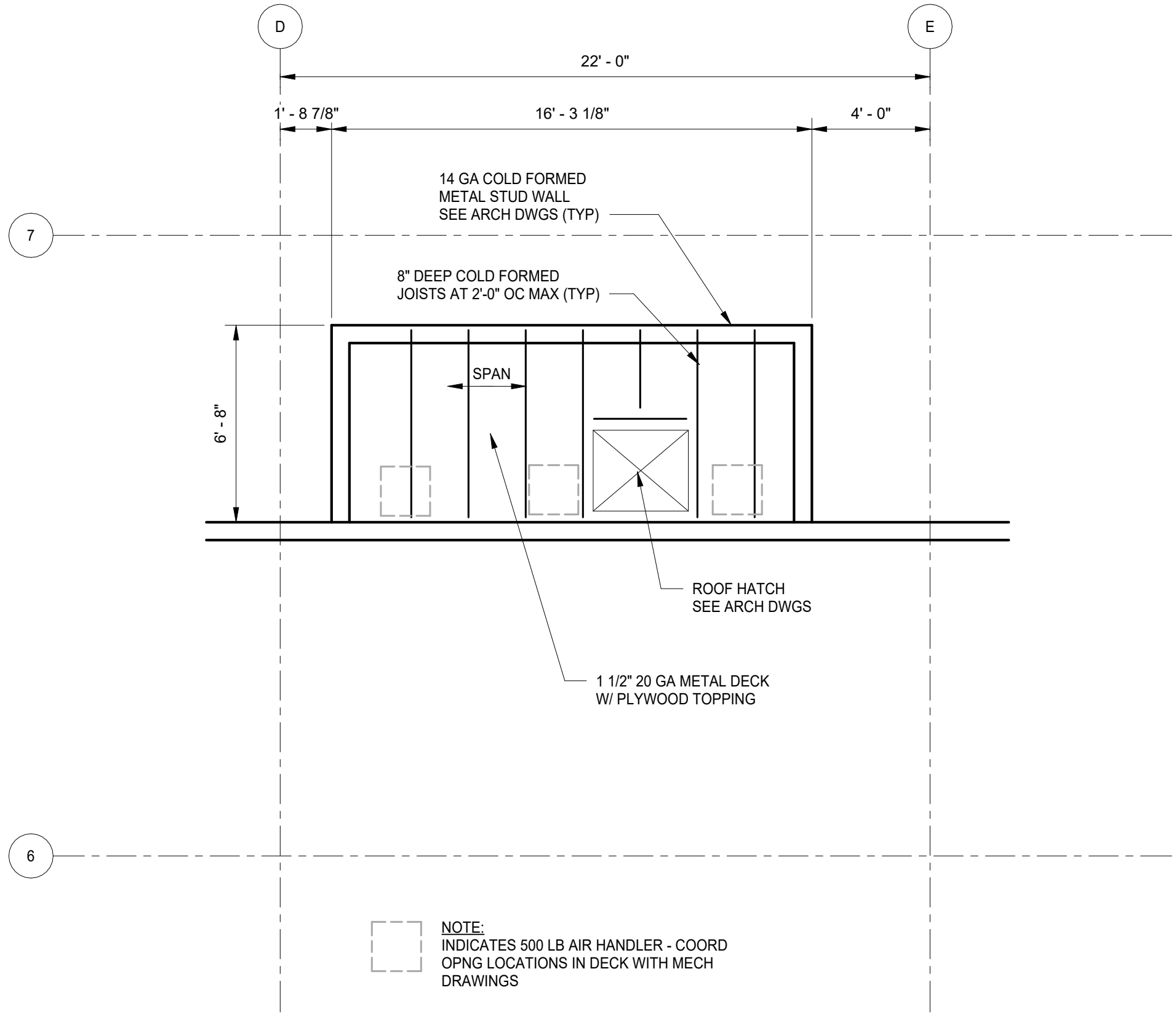
NOTE: PEDESTAL SIZES AND REINFORCEMENT BASED ON PRELIMINARY COLUMN SIZES RECEIVED BY PEMB MANUFACTURER SUBJECT TO CHANGE BASED ON FINAL PEMB DRAWINGS.

REVISION INFORMATION		DESCRIPTION
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Drawing: SF111, ENLARGED FRAMING PLANS
 Date: 09/06/24
 File: 3110648



1
 SF111
 ENLARGED PLAN - SOUTH MECHANICAL MEZZANINE
 SCALE: 1/4" = 1'-0"
 1" STEEL EL 12'-6" AFF



2
 SF111
 ENLARGED PLAN - NORTH MECHANICAL MEZZANINE
 SCALE: 1/4" = 1'-0"
 1" STEEL EL 12'-6" AFF

PLAN NOTES

- ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL OF 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
- REFER TO DRAWING SG001 FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- MECHANICAL MEZZANINES ARE A DELEGATED DESIGN ITEM TO BE DESIGNED PER THE LOAD CRITERIA SPECIFIED ON DRAWING SG001.



ENLARGED FRAMING PLANS
 GULF SHORES AIRPORT AUTHORITY
 GULF SHORES NEW TERMINAL
 3190 Airport Dr, Gulf Shores, AL 36542

REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	09/06/24	ISSUED FOR BID

SF111

FILE NO: 3110648

CODES AND STANDARDS

THE FOLLOWING CODES AND STANDARDS HAVE BEEN USED AS THE BASIS FOR DESIGN AND/OR SHALL BE UTILIZED BY THE CONTRACTOR TO ESTABLISH MINIMUM LEVELS OF QUALITY AND CONSTRUCTION TECHNIQUES.

- GENERAL
 - INTERNATIONAL BUILDING CODE (IBC 2021).
 - AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES," (ASCE 7-16).
- CONCRETE
 - AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-14).
 - AMERICAN CONCRETE INSTITUTE, "SPECIFICATIONS FOR STRUCTURAL CONCRETE," (ACI 301-16).
 - AMERICAN CONCRETE INSTITUTE, "GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI 302.1R-15).
- MASONRY
 - THE MASONRY SOCIETY, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (TMS 402-16).
 - THE MASONRY SOCIETY, "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-16).
- STEEL DECK
 - STEEL DECK INSTITUTE, "STANDARD FOR STEEL ROOF DECK" (SDI RD-2017).
- COLD FORM STEEL
 - STEEL STUD MANUFACTURERS ASSOCIATION "PRODUCT TECHNICAL GUIDE".

DESIGN CRITERIA

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADS.

- DEAD LOADS
 - ROOF DEAD LOADS
 - COLLATERAL 7 PSF ACTUAL
 - PEMB STRUCTURE INCLUDING DECKING, INSUL & FRMG 7 PSF AS INDICATED ON PLANS
 - MECHANICAL, MEZZANINES DEAD LOADS
 - COLLATERAL 7 PSF AS INDICATED ON PLANS
 - MECHANICAL EQUIPMENT ACTUAL
 - DECKING & FRAMING ACTUAL
- LIVE LOADS
 - ROOF LIVE LOADS (REDUCIBLE) 20 PSF (REDUCIBLE)
 - MECHANICAL, MEZZANINES LIVE LOADS 100 PSF
 - SLAB ON GRADE LIVE LOADS
 - UNIFORM AREA 1,000 PSF
 - GULF STREAM 5 AIRCRAFT 50,000 LB
 - TOTAL OPERATIONAL WEIGHT 18,400 LB
 - WHEEL LOAD 18,400 LB
- MISCELLANEOUS LIVE LOADS
 - GUARDRAILS/HANDRAILS
 - 50 PLF FOR AREAS WITH OCCUPANT LOAD GREATER THAN OR EQUAL TO 50.
 - OR 20 PLF FOR AREAS WITH OCCUPANT LOAD LESS THAN 50.
 - OR 200 LB CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT.
 - LADDERS (FIXED) 300 LB CONCENTRATED LOAD FOR EVERY 10 FT OF HEIGHT.
- SNOW LOADS
 - GROUND SNOW LOAD (P_g) 0.0 PSF
- WIND LOADS
 - BUILDING
 - ULTIMATE DESIGN WIND SPEED (V_{ult}) 158 MPH
 - ALLOWABLE STRESS DESIGN WIND SPEED (V_{asd}) 122.4 MPH
 - RISK CATEGORY II
 - EXPOSURE CATEGORY C
 - INTERNAL PRESSURE COEFF. (GC_i) ± 0.18
 - ± 0.18 SEE THIS SHEET
 - C & WIND PRESSURES ENCLOSED
 - ENCLOSURE CLASSIFICATION ENCLOSED
 - SEISMIC LOADS
 - BUILDING
 - RISK CATEGORY II
 - SEISMIC IMPORTANCE FACTOR (I_s) 1.0
 - 0.2 SEC MAPPED SPECTRAL ACCELERATION (S_s) 0.083
 - 1.0 SEC MAPPED SPECTRAL ACCELERATION (S₁) 0.055
 - SITE CLASS D
 - 0.2 SEC DESIGN SPECTRAL ACCELERATION (S_{ds}) 0.089
 - 1.0 SEC DESIGN SPECTRAL ACCELERATION (S_{d1}) 0.087
 - SEISMIC DESIGN CATEGORY B
 - BASIC SEISMIC FORCE RESISTING SYSTEM STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
 - DESIGN BASE SHEAR 0.03 x W
 11. SEISMIC RESPONSE COEFFICIENT (C_s) 0.03
 12. RESPONSE MODIFICATION COEFFICIENT (R) 3
 - ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE PROCEDURE
 - OFFICE CORE & STAIRWELLS
 - BASIC SEISMIC FORCE RESISTING SYSTEM ORDINARY REINFORCED MASONRY SHEAR WALLS
 - DESIGN BASE SHEAR 0.044 x W
 - SEISMIC RESPONSE COEFFICIENT (C_s) 0.04
 - RESPONSE MODIFICATION COEFFICIENT (R) 2
 - RAIN LOADS
 - RAINFALL INTENSITY (100 YEAR - 1 HOUR) 4.50 IN/HR

CONCRETE

- MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
 - SPREAD & CONTINUOUS FOOTINGS 4,000 PSI
 - SLABS, FOUNDATION WALLS & PEDESTALS 4,000 PSI
- CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304, 308, 309 AND 318.
- ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
- WHERE STRIP/GRADE FOOTINGS OR WALLS INTERSECT COLUMN FOUNDATIONS, LONGITUDINAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE COLUMN FOUNDATION.
- UNLESS OTHERWISE SHOWN, THE CONCRETE CLEAR COVER AT ALL REINFORCING STEEL SHALL BE:
 - CONCRETE CAST AGAINST EARTH 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER 2"
 - CONCRETE NOT EXPOSED TO EARTH OR WEATHER 1 1/2"
- ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 304 AND ACI 309.
- PROVIDE 3/4"x3/4"x 45 DEGREE CHAMFERED CORNERS AT ALL EXPOSED CONCRETE CORNERS UNO.
- PROVIDE SMOOTH RUBBED FINISH ON CONCRETE VERTICAL SURFACES EXPOSED TO VIEW.

REINFORCING STEEL FOR CONCRETE

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (DEFORMED).
- WELDED WIRE REINFORCEMENT (WWR) SHALL CONFORM TO ASTM A1064 AND SHALL BE PROVIDED IN FLAT SHEETS ONLY. FABRIC SHALL LAP TWO FULL MESHES AND BE SECURELY FASTENED AT EACH SIDE AND EACH END.
- DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI 315, "DETAILS AND DETAILING OF REINFORCED CONCRETE STRUCTURES", SP-66, THE CRSI, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" AND ACI 318.
- REINFORCING STEEL SHALL BE CONTINUOUS ACROSS ALL CONSTRUCTION JOINTS UNO.
- REINFORCING STEEL SHALL NOT BE HEATED OR WELDED MUST BE DRY AND FREE OF CONTAMINANTS SUCH AS RUST, DIRT, GREASE, AND PROTECTIVE COATINGS.
- ALL BAR SPLICES SHALL BE CLASS B TENSION SPLICES IN ACCORDANCE WITH ACI 318.

FOUNDATIONS

- SHALLOW FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS REPORTED IN THE SITE SPECIFIC GEOTECHNICAL EXPLORATION REPORT PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL LLC, PROJECT NUMBER 10116-2024009R1, DATED MARCH 7, 2024.
- THE FOUNDATIONS WERE DESIGNED BASED ON A NET ALLOWABLE SOIL BEARING PRESSURES OF 2000 PSF.
- ALLOWABLE BEARING PRESSURES ARE BASED ON BEARING AGAINST FIRM, UNDISTURBED SOIL AND/OR ENGINEERED BACKFILL WHERE UNACCEPTABLE MATERIAL OCCURS. EXCAVATE AND REPLACE WITH ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT TO ENSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH THE ALLOWABLE BEARING PRESSURES NOTED.
- CONTRACTOR SHALL KEEP ALL FREE STANDING WATER OUT OF EXCAVATION CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS NECESSARY PRIOR TO PLACING CONCRETE.
- EXISTING SOIL WHICH IS DEEMED NON-USABLE BY THE GEOTECHNICAL ENGINEER DUE TO FAILURE OF THE CONTRACTOR TO PROMPTLY DE-WATER THE SITE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL AT THE CONTRACTOR'S EXPENSE.
- DESIGN OF TEMPORARY AND PERMANENT SHORING FOR EXCAVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- FOR WALLS OR GRADE WALLS HAVING FILL ON EACH SIDE, PROCEED WITH BACKFILLING OPERATIONS SIMULTANEOUSLY IN UNIFORM LIFTS. DIFFERENTIAL ELEVATION OF TOP OF LIFTS BETWEEN EACH SIDE SHALL NOT EXCEED 18 INCHES.

SLAB ON GRADE

- CRUSHED AGGREGATE BASE SHALL CONFORM TO SECTION 825A OR B OF THE ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) SPECIFICATIONS. LOOSE LIFT THICKNESS SHALL BE MAXIMUM 6" AND COMPACTED TO AT LEAST 100 PERCENT OF THE STANDARD PROCTOR MAXIMUM (ASTM D 6938) DRY DENSITY.
- SITE PREPARATION BENEATH THE BUILDING SHALL BE IN ACCORDANCE w/ GEOTECHNICAL ENGINEER RECOMMENDATIONS.
- EXCAVATED/ STRIPPED AREAS SHALL BE PROOF-ROLLED WITH APPROPRIATE EQUIPMENT AS APPROVED BY THE GEOTECHNICAL ENGINEER. SOFT AREAS SHALL BE REMOVED AND REPLACED WITH APPROVED BACKFILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- SAVED CONTROL JOINTS SHALL BE CUT AS SOON AS SLAB CAN BE WALKED ON, BUT STARTED NO LATER THAN 8 HOURS AFTER POURING. CONTROL JOINTS SHALL BE COMPLETED NO LATER THAN 16 HOURS AFTER POURING. THESE TIME LIMITS SHALL APPLY REGARDLESS OF THE TIME OF DAY. AN EARLY ENTRY DRY CUT SAW SUCH AS THE SOFF-CUT SYSTEM SHALL BE USED.
- SEMI-RIGID JOINT FILLER SHALL NOT BE INSTALLED UNTIL THE SLAB ON GRADE HAS CURED FOR A MINIMUM OF 90 DAYS OR AS RECOMMENDED BY MANUFACTURER. SEPARATION OF THE SURFACES DUE TO CONCRETE SHRINKAGE SHALL BE REPAIRED PER THE MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 2" #4 x 3'-0" LONG DIAGONAL BARS IN TOP FACE OF CONCRETE AT ALL RE-ENTRANT CORNERS IN SLABS. SEE DETAIL 7/SB501.
- CURE ALL SLABS BY MOIST CURING, MOISTURE RETAINING COVER CURING, OR MEMBRANE CURING IN ACCORDANCE WITH ACI 302.
- PREFORMED EXPANSION JOINT MATERIAL SHALL CONFORM TO ASTM D1752 (TYPE 1) TOPPED WITH FLEXIBLE JOINT SEALANT.
- EXTERIOR RAMPS, STAIRS AND SLABS SHALL HAVE LIGHT BROOM FINISH PERPENDICULAR TO MAIN TRAFFIC ROUTE.

MISCELLANEOUS

- GENERAL NOTES AND TYPICAL DETAILS DESCRIBE GENERAL CRITERIA APPLICABLE TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT REGARDLESS OF WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED IN THE PLANS OR DETAILS.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE STRUCTURAL ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
- THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. FOR DIMENSIONS TO BE CONFIRMED AT THE JOBSITE, FOR FABRICATION PROCESSES, AND FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.
- NO SUBSTITUTIONS OF MATERIAL WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- SHOP DRAWINGS SHALL NOT BE REVIEWED FOR APPROVAL UNLESS CHECKED BY THE FABRICATOR AND APPROVED BY THE CONTRACTOR.
- CONTRACTOR SHALL COMPLY WITH LOCAL, STATE, FEDERAL AND OWNERS SAFETY REGULATIONS WHILE WORKING. STRUCTURAL ENGINEER DOES NOT ASSUME ANY RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.
- CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY. NOTIFY STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.

STEEL DECK

- STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE (SDI).
- PROVIDE 2" MINIMUM DECK END BEARING.
- PROVIDE STEEL METAL CLOSURE PLATES AS REQUIRED TO PREVENT LEAKAGE OF CONCRETE.
- COMPOSITE STEEL DECK SHALL BE ERECTED WITH SINGLE SPAN CONDITION.
- STEEL DECK SHALL BE 36 KSI MINIMUM.

PRE-ENGINEERED METAL BUILDING

- DESIGN OF STRUCTURE SHALL BE IN ACCORDANCE WITH THE "CODES AND STANDARDS" AND "DESIGN CRITERIA" AS LISTED ON THIS DRAWING.
- THE METAL BUILDING MANUFACTURER SHALL BE SOLELY RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE STRUCTURE INCLUDING DETAILING, COLUMN, GIRTS, BASEPLATES, X-BRACES, AND ANCHOR BOLTS (EXCLUDING EMBEDMENT). A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALABAMA SHALL DESIGN THE MEMBERS OR DIRECTLY SUPERVISE THE DESIGN AND AFFIX HIS SEAL TO ALL DRAWINGS AND DESIGN CALCULATIONS.
- THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE ANCHOR BOLT DESIGN, INCLUDING ORIENTATION, DIAMETER, AND MATERIAL TYPE TO ADEQUATELY TRANSFER BUILDING COLUMN REACTIONS TO THE FOUNDATION. MINIMUM EMBEDMENT LENGTHS SHALL BE AS SHOWN ON THE FOUNDATION DRAWINGS. THE GENERAL CONTRACTOR SHALL PROVIDE THE ANCHOR BOLTS SPECIFIED.
- CONTRACTOR SHALL VERIFY QUANTITY AND PLACEMENT LOCATIONS OF ANCHOR BOLTS WITH METAL BUILDING MANUFACTURER. ANCHOR BOLTS MUST BE LOCATED BY MEANS OF A TEMPLATE. DO NOT HAND SET ANCHOR BOLTS. ANCHOR BOLT LAYOUT, DIAMETER, PROJECTION, AND MATERIAL SHALL BE AS SHOWN ON THE METAL BUILDING DRAWINGS.
- ANCHOR BOLT EMBEDMENT SHALL BE AS INDICATED ON THE FOUNDATION DRAWINGS.
- THE METAL BUILDING COLUMNS SHALL HAVE PINNED BASES AND SHALL TRANSFER NO MOMENTS TO THE FOUNDATIONS.
- HORIZONTAL DEFLECTION OF THE RIGID FRAMES AND BRACED FRAMES SHALL NOT EXCEED H/120 UNDER ALL LOAD COMBINATIONS USING SERVICE LEVEL WIND LOADS.
- REFER TO ARCHITECTURAL DRAWINGS FOR METAL PANEL AND ROOFING REQUIREMENTS.
- REFER TO MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, AND EQUIPMENT VENDOR DRAWINGS FOR EQUIPMENT TO BE SUPPORTED BY PRE-ENGINEERED COMPONENTS AND OPENINGS WHICH REQUIRE SPECIAL FRAMING. PROVIDE ANY ADDITIONAL PURLINS, GIRTS, ETC. AS REQUIRED FOR THESE ITEMS.
- ALL BOLTED CONNECTIONS SHALL HAVE AT LEAST TWO BOLTS.
- NO FIELD MODIFICATIONS SHALL BE MADE TO ANY PRIMARY OR SECONDARY STRUCTURAL MEMBER EXCEPT AS AUTHORIZED IN WRITING BY BUILDING MANUFACTURER DESIGN ENGINEER AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- THE FOUNDATIONS HAVE BEEN DESIGNED FOR ESTIMATED COLUMN AND FRAME REACTIONS. PRIOR TO FABRICATION AND PRIOR TO ANY FOUNDATION WORK, THE ACTUAL COLUMN AND FRAME REACTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. IF, IN THE OPINION OF THE ENGINEER, THE ACTUAL REACTIONS DIFFER APPRECIABLY FROM THE ESTIMATED, THE ENGINEER SHALL REDESIGN THE FOUNDATION FOR THE ACTUAL REACTIONS.
- THE BUILDING COLUMNS SHALL HAVE PINNED BASES AND TRANSFER NO MOMENT TO THE FOUNDATIONS.

COLD-FORMED METAL FRAMING

- THE COLD-FORMED METAL FRAMING SIZES SHOWN ON THE PLANS ARE MINIMUM SIZES ONLY. THE COLD-FORMED METAL FRAMING MANUFACTURER SHALL ASSUME FULL RESPONSIBILITY FOR THE STRUCTURAL DESIGN OF THE COLD-FORMED METAL FRAMING AND THE CONNECTIONS.
- SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR REVIEW SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE.
- REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTORS INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OR THE MANUFACTURER OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED METAL FRAMING AND THE CONNECTIONS.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL DESIGN CRITERIA.
- COLD-FORMED METAL FRAMING DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- COLD-FORMED METAL FRAMING MAY BE CONNECTED BY EITHER WELDS OR SCREWS SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS.
- NON-BEARING COLD-FORMED METAL FRAMING STUDS SHOULD NOT BE ATTACHED DIRECTLY TO STRUCTURE ABOVE WITHOUT THE USE OF SLOTTED VERTICAL DEFLECTION AND HORIZONTAL DRIFT CLIPS TO ALLOW FOR MOVEMENT.
- MEMBER SIZES AND CONNECTION DETAILS SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS ONLY. COLD-FORMED SUPPLIER SHALL PROPERLY DETAIL ALL CONNECTIONS ON SHOP DRAWINGS, INCLUDING TYPE, QUANTITY AND CAPACITY OF SCREWS.

STATEMENT OF SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE AND THE FOLLOWING TABLES. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE ARCHITECT A WRITTEN STATEMENT OF RESPONSIBILITY THAT CONTAINS THE FOLLOWING:

- ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STRUCTURAL QUALITY ASSURANCE PLAN.
- ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
- IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.

THE STRUCTURAL TESTING/INSPECTION AGENCY THAT IS TO ACT AS THE SPECIAL INSPECTOR WILL BE HIRED BY THE OWNER.

CONTRACTOR SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR WORK OR MATERIALS NOT COMPLYING WITH THE CONSTRUCTION DOCUMENTS DUE TO NEGLIGENCE OR NONCONFORMANCE AND SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR HIS CONVENIENCE.

CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BEING DEMOLISHED AND RECONSTRUCTED.

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

- PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
- NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
- COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
- PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
- PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
- PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR RESPONSIBILITIES

SPECIAL INSPECTOR SHALL MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE AND SHALL DISTRIBUTE THESE RECORDS TO THE BUILDING OFFICIAL, ARCHITECT, AND STRUCTURAL ENGINEER ON A WEEKLY BASIS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL. AT THE CONCLUSION OF THE PROJECT THE SPECIAL INSPECTOR SHALL SUBMIT A WRITTEN STATEMENT THAT THE SPECIAL INSPECTIONS DURING CONSTRUCTION HAVE COMPLIED WITH THIS STRUCTURAL QUALITY ASSURANCE PLAN AND THAT ANY DISCREPANCIES NOTED DURING CONSTRUCTION HAVE BEEN CORRECTED.

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL

SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLES AND THE REQUIREMENTS GIVEN IN AISI 360-16 CHAPTER N. THESE REQUIREMENTS SHALL APPLY TO PRE-ENGINEERED METAL BUILDING STRUCTURES.

QC-QUALITY CONTROL (QC) INSPECTION TASKS SHALL BE PERFORMED BY THE FABRICATORS OR ERECTORS QUALITY CONTROL INSPECTOR (QCI). TASKS IN THE FOLLOWING TABLES LISTED FOR QC ARE THOSE INSPECTIONS PERFORMED BY THE QCI TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. FOR QC INSPECTION, THE APPLICABLE CONSTRUCTION DOCUMENTS ARE THE SHOP DRAWINGS AND ERECTION DRAWINGS, AND THE ERECTION DRAWINGS, AND THE APPLICABLE REFERENCED SPECIFICATIONS, CODES AND STANDARDS.

QA-QUALITY ASSURANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE FABRICATORS PLANT. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE FABRICATOR. QA INSPECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT SITE. THE QAI SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE ERECTOR. QA INSPECTION TASKS SHALL BE PERFORMED BY THE QAI IN ACCORDANCE WITH AISI 360-16 SECTIONS N5.4, N5.6 AND N5.7. TASKS IN THE FOLLOWING TABLES LISTED FOR QA ARE THOSE INSPECTIONS PERFORMED BY THE QAI TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. CONCURRENT WITH THE SUBMITTAL OF SUCH REPORTS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ENGINEER OF RECORD (EOR) OR OWNER, THE QA AGENCY SHALL SUBMIT TO THE FABRICATOR AND ERECTOR: (1) INSPECTION REPORTS, AND (2) NONDESTRUCTIVE TESTING REPORTS.

- OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED DURING THESE INSPECTIONS.
- PERFORM THESE TASKS FOR EACH WELDED JOINT, MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT.

NOTE: SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1.

AISI 360-10 TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING		
INSPECTION TASKS PRIOR TO BOLTING	QC	QA
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O

AISI 360-10 TABLE N5.6-2 INSPECTION TASKS DURING BOLTING		
INSPECTION TASKS DURING BOLTING	QC	QA
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O

AISI 360-10 TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING		
INSPECTION TASKS AFTER BOLTING	QC	QA
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P

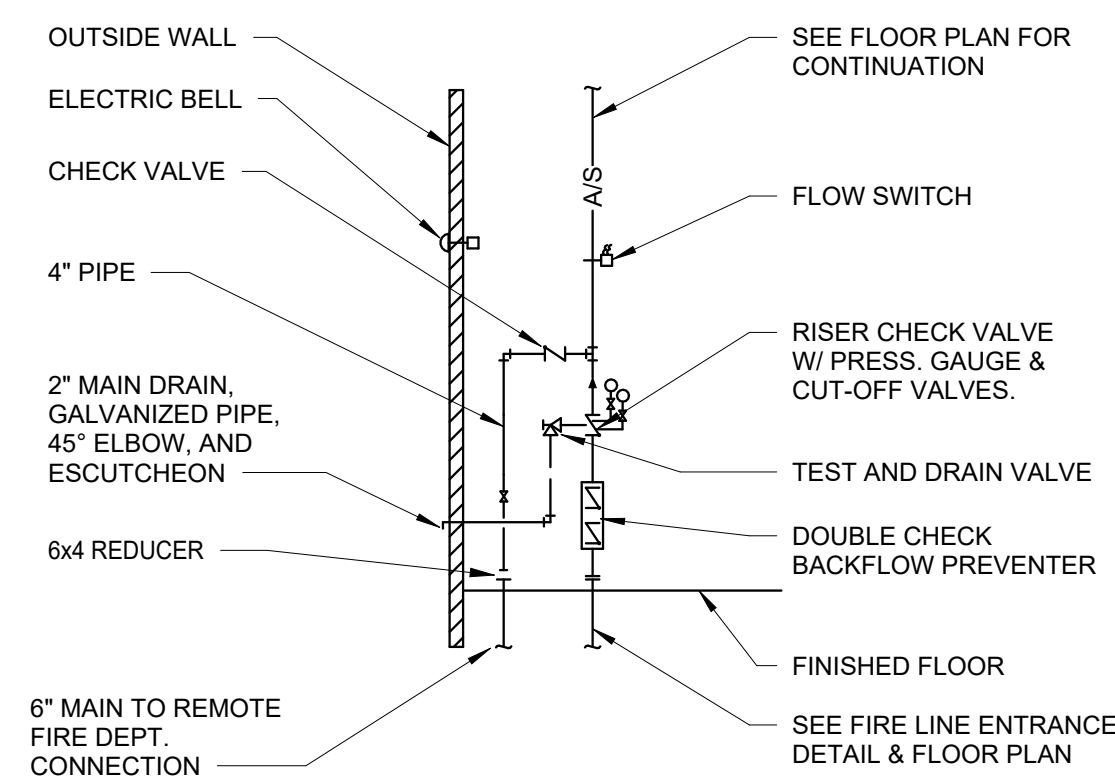
TABLE 1705.6 REQUIRED SPECIAL VERIFICATIONS AND TESTS OF SOILS		
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODICALLY SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

ABBREVIATIONS

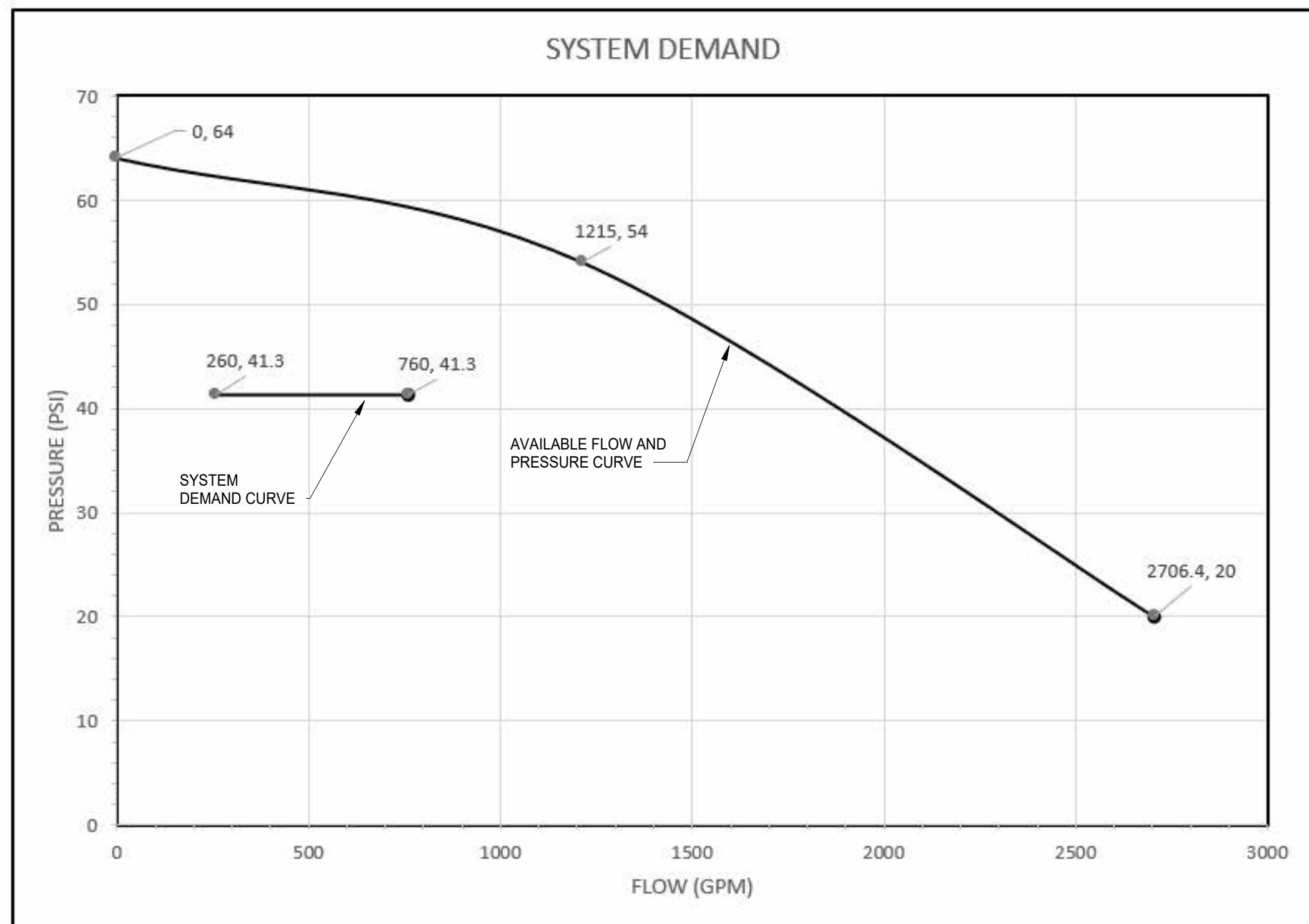
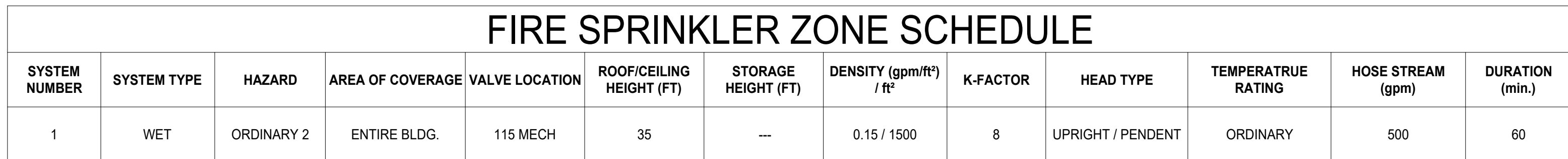
AB	ANCHOR BOLT	FD	FLOOR DRAIN	PREFAB	PREFABRICATED
ADDL	ADDITIONAL	FDN	FOUNDATION	PSF	POUNDS PER SQUARE FOOT
AFT	ABOVE FINISH FLOOR	FIN FLR	FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FTG	FOOTING	PSL	PARALLEL STRAND LUMBER
APPROX	APPROXIMATE, APPROXIMATELY	GAU	GAUGE	PT	PRESERVATIVE TREATED
ARCH	ARCHITECT/ ARCHITECTURAL	GLV	GALVANIZE, GALVANIZED	RD	ROOF DRAIN
B	BOTTOM OF	HDD	HEADED	REF	REFER, REFERENCE
BLDG	BUILDING	HORIZ	HORIZONTAL	REINF	REINFORCING
BM	BEAM	INT	INTERIOR	REQD	REQUIRED
BO	BOTTOM OF	JO	JOINT	RET	RETAINING
BOD	BASIS OF DESIGN	K	KIPS	SCHED	SCHEDULE
BOT	BOTTOM	KSF	KIPS PER SQUARE FOOT	SECT	SECTION
BP	BASEPLATE	LSI	KIPS PER SQUARE INCH	SIM	SIMILAR
BRG	BEARING	L	ANGLE	SLV	SHORT LEG VERTICAL
CC	CENTER TO CENTER	LONG	LONG	SO3	SLAB-ON-GRADE
CJ	CONTROL JOINT, CONSTRUCTION JOINT	LL	LIVE LOAD	SPEC	SPECIFICATIONS
CL	CENTER LINE	LLV	LONG LEG VERTICAL	STIFF	STIFFENER
CLR	CLEAR	LONGIT	LONGITUDINAL	SQ	SQUARE
CMU	CONCRETE MASONRY UNIT	LVL	LAMINATED VENEER LUMBER	STD	STANDARD
COL	COLUMN	LWT	LIGHT-WEIGHT	STL	STEEL
CONC	CONCRETE	MANUF	MANUFACTURER	SS	STAINLESS STEEL
CONT	CONTINUOUS	MAS	MASONRY	SYM	SYMMETRICAL
CP	COMPLETE PENETRATION	MATL	MATERIAL	T&G	TOP AND BOTTOM TONGUE AND GROOVE
DA	DIAMETER	MAX	MAXIMUM	T	TOP OF
DIAG	DIAGONAL	MIN	MINIMUM	THDD	THREADED
DL	DEAD LOAD	MTL	METAL	TOP	TOP OF
DITTO	DITTO	NIC	NOT IN CONTRACT	TRANS	TRANSVERSE
DWG	DRAWING	NTS	NOT TO SCALE	TYP	TYPICAL
EOS	EDGE OF SLAB	NW	NORMAL-WEIGHT	UNO	UNLESS NOTED OTHERWISE
EA	EACH	OC	ON CENTER	VIF	VERIFY IN FIELD
EF	EACH FACE	OPNG	OPENING	VERT	VERTICAL
EL	ELEVATION	OPP	OPPOSITE	W	WITH
EOR	ENGINEER OF RECORD	PAL	PRE-ENGINEERED	WO	WITHOUT
EW	EACH WAY	PC	PRECAST CONCRETE	WIP	WORKING POINT
EXIST	EXISTING	PEJF	PRE-MOLDED EXPANSION JOINT FILLER	WWR	WELDED WIRE REINFORCING
EXP	EXPANSION	PMB	PRE-ENGINEERED METAL BUILDING		
EXT	EXTERIOR	PL	PLATE		

TABLE 1705.2.2 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:			
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	APPLICABLE ASTM MATERIAL STANDARDS
b. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	X	-
2. INSPECTION OF WELDING:			
a. COLD-FORMED STEEL DECK:			
1) FLOOR AND ROOF DECK WELDS.	-	X	AWS D1.3
b. REINFORCING STEEL:			
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	-	X	
2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	-	AWS D14 ACI 318 SECTION 3.5.2
3) SHEAR REINFORCEMENT	X	-	
4) OTHER REINFORCING STEEL	-	X	
a. WHERE APPLICABLE, SEE ALSO SECTION 1705.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.			

TABLE 1705.3 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.	-	-	AWS D14 ACI 318: 3.5.2	-
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	-	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS ^b .	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 4, 5.2-5.4	1904.2, 1910.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
7. INSPECTION OF CONCRETE PLACEMENT FOR APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1910.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	-
a. WHERE APPLICABLE, SEE SECTION 1705.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.				
b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 305.2, OR OTHER QUALIFICATION PROCEDURES, WHERE SUCH REQUIREMENTS ARE NOT PROVIDED. SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.				



2 WET PIPE FIRE PROTECTION RISER
FG001 NTS



FIRE PROTECTION WATER SUPPLY CALCULATIONS			
OCCUPANCY HAZARD FIRE CONTROL APPROACH - AREA/DENSITY METHOD			
I AVAILABLE WATER SUPPLY			
A.	DESCRIPTION	MANUCIPAL	
B.	HYDRANT NUMBER		
C.	DATE/TIME		
D.	STATIC PRESSURE	64 PSI	
E.	FLOW	1215 GPM	
F.	RESIDUAL PRESSURE	54 PSI	
II WATER DEMAND REQUIREMENTS			
A.	SYSTEM TYPE	WET	
B.	OCCUPANCY CLASSIFICATION	Ordinary 2	
C.	DESIGN DENSITY	0.15 GPM/SF	
D.	DESIGN AREA	1500 SF	
E.	HOSE ALLOWANCE	500 GPM/SF	
F.	DURATION	60 MIN.	
G.	MAXIMUM HEAD SPACING	130 SF	
III SERVICE ENTRANCE CALCULATIONS			
A.	WATER SUPPLY TEST ELEVATION	7 FT	
B.	BUILDING ENTRANCE ELEVATION	14.0 FT	
C.	ELEVATION PRESSURE (GAIN) OR LOSS	3.03 PSI	
D.	SERVICE LINE DIAMETER:	8 INCH	
E.	SERVICE LINE LENGTH (ESTIMATED)	450 FT	
F.	FITTING ALLOWANCE:	10 %	
G.	SERVICE LINE FRICTION LOSS	0.231 PSI	
H.	PRESSURE LOSS AT TAP:	1 PSI	
I.	METER PRESSURE LOSS:	0 PSI	
J.	BACKFLOW PREVENTOR LOSS:	8.5 PSI	
K.	SERVICE ENTRANCE PRESSURE LOSS	9.73 PSI	
IV WATER SUPPLY SUMMARY			
A.	CALCULATED FIRE FLOW DEMAND	760 GPM	
B.	CALCULATED PRESSURE REQUIRED AT BASE OF RISER	47.0 PSI	
C.	REQUIRED PRESSURE AT BASE OF RISER	41.3 PSI	
D.	RESULTING FACTOR OF SAFETY	5.7 PSI	
E.	MINIMUM REQUIRED FACTOR OF SAFETY	10 PSI	

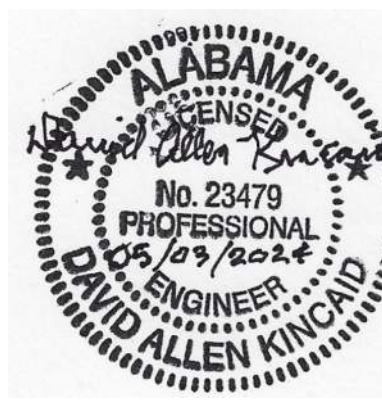
SCOPE OF WORK

1. PROVIDE COMPLETE FIRE PROTECTION FOR ALL PORTIONS OF THE BUILDING. ALL PROTECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF IFCC(2013) AND NFPA 13(2016) AND THE AUTHORITY HAVING JURISDICTION.
2. THE SYSTEM LAYOUT DRAWINGS SHOULD BE INTENDED TO ESTABLISH THE GENERAL ARRANGEMENT OF THE FIRE SUPPRESSION SYSTEM AND NOT TO ESTABLISH A DETAILED SCOPE OF WORK. LAYOUT DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING INFORMATION:
 - a. ALL SYSTEM COMPONENTS REQUIRED. THEY ARE NOT TO BE USED AS OR CONSIDERED FABRICATION OR SHOP DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION AND HEAD LAYOUT INDICATED TO IMPROVE SYSTEM PERFORMANCE, SYSTEM EFFICIENCY, OR SIMPLY INSTALLATION. THESE DEVIATIONS SHALL NOT ALTER THE BASIC FEATURES OF THE SYSTEM.
3. ARRANGE OR CONDUCT A FLOW TEST TO CONFIRM THE FLOW DATA PRIOR TO BEGINNING THE PREPARATION OR SHOP DRAWINGS.
4. THE CONTRACTOR SHALL PREPARE DETAILED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS BASED UPON ALL OF THE APPLICABLE REQUIREMENTS OF NFPA 13 AND SHALL SUBMIT THEM FOR REVIEW.
5. IN PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND OTHER AVAILABLE PERTINENT INFORMATION. THE CONTRACTOR SHALL MODIFY THE PIPING LAYOUT, SYSTEM ARRANGEMENT AND HEAD SPACING AS NECESSARY TO AVOID INTERFERENCE WITH OTHER WORK AND TO ALLOW NORMAL MAINTENANCE OF SYSTEM AND OTHER BUILDING COMPONENTS.
6. IN PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL ADJUST THE GENERAL ARRANGEMENT OF THE SYSTEM AS NEEDED TO MEET THE NFPA 13 REQUIREMENTS. THE CONTRACTOR IS NOT LIMITED TO ADJUSTMENTS OR MODIFICATIONS TO COMPLY WITH SPRINKLER SPACING REQUIREMENTS, TO AVOID OBSTRUCTIONS TO SPRINKLER DISCHARGE FROM SHIMMING THE HAZARD, TO PROTECT CONCEALED SPACES, RAFTERS, VERTICAL OPENINGS, TO PROVIDE CLEAR WAYS, DOCK LEVELS, PLATFORMS, AND TO PROTECT SPECIAL HAZARD OCCUPANCIES.
7. IN PREPARATION OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, SIZE PIPING TO MAINTAIN WATER VELOCITIES NOT EXCEED 15 FEET PER SECOND IN ORDER TO MAINTAIN THE MINIMUM FACTOR OF SAFETY INDICATED.
8. AFTER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND ANY COMMENTS INCORPORATED, SUBMIT THE DRAWINGS AND CALCULATIONS TO THE AUTHORITY HAVING JURISDICTION. OBTAIN THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION.
9. COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION TO OBTAIN THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION OF THE COMPLETED INSTALLATION.

GENERAL NOTES

- ALL SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED SPRINKLER CONTRACTOR. THIS INCLUDES ALL INTERIOR WORK AND AN EXTERIOR WORK FROM THE POINT OF CONNECTION TO THE WATER SUPPLY.
- REFER TO CIVIL DRAWINGS FOR EXTERIOR COMPONENTS OF FIRE PROTECTION SYSTEM.
- PROTECTION AGAINST EARTHQUAKE DAMAGE AS DEFINED IN NFPA 13 IS NOT REQUIRED FOR THIS FACILITY BASED UPON THE CRITERIA ESTABLISHED IN THE INTERNATIONAL BUILDING CODE.
- SPRINKLERS SHALL HAVE ORDINARY TEMPERATURE RANGES UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- CENTER HEADS IN ACOUSTICAL CEILING TILES.
- IN SPACES WITH SUSPENDED CEILINGS, ROUTE PIPING ABOVE CEILINGS, ADJUST PIPING TO AVOID CONFLICTS WITH OTHER WORK.
- CONCEAL PIPING FROM VIEW IN FINISHED SPACES.
- FIELD MEASURE CEILING HEIGHTS PRIOR TO FABRICATION. FABRICATE PIPING INSTALLED CEILING HEIGHT.

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FIRE PROTECTION LEGEND

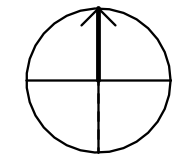
GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

3190 Airport Dr, Gulf Shores, AL 36542

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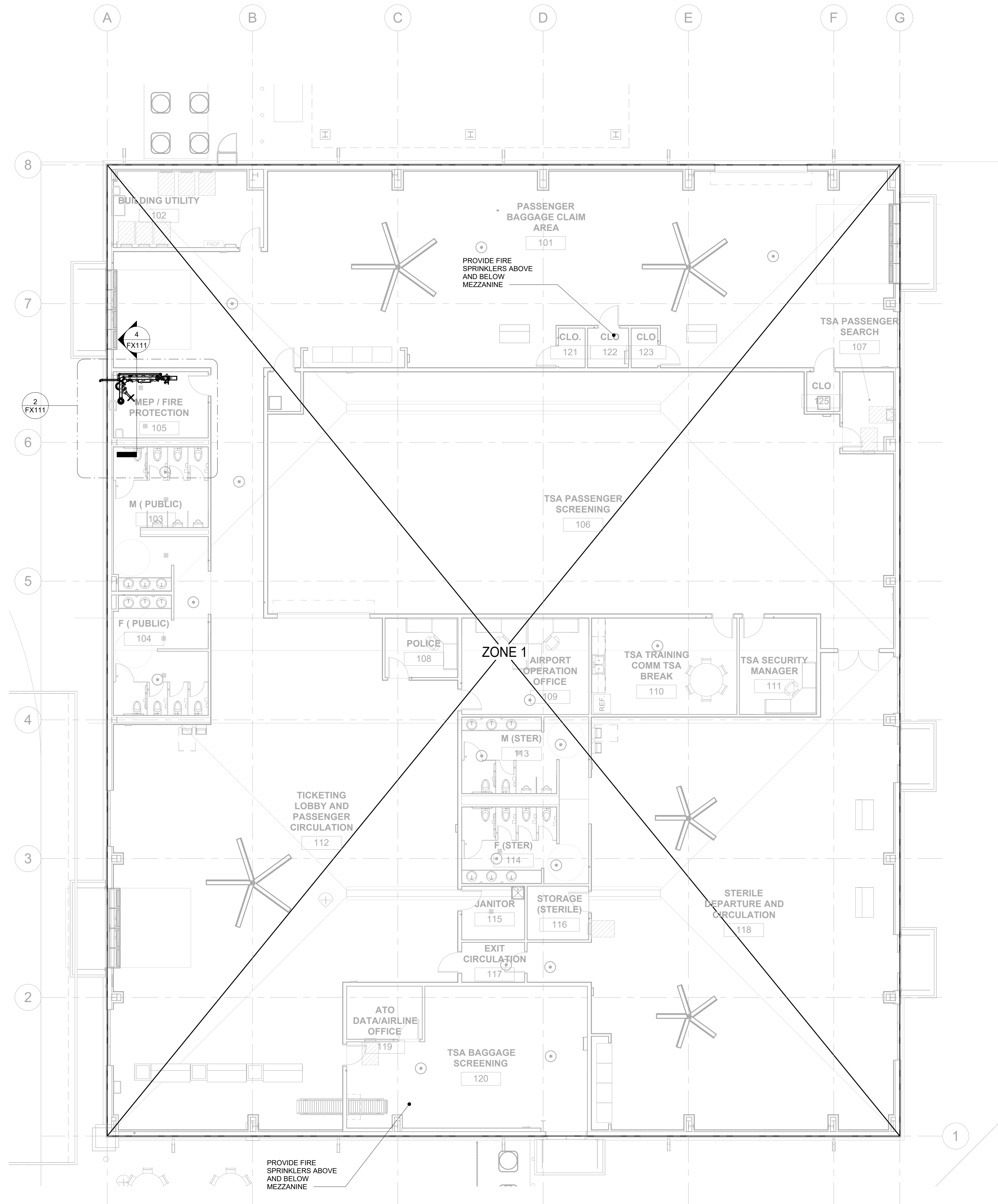
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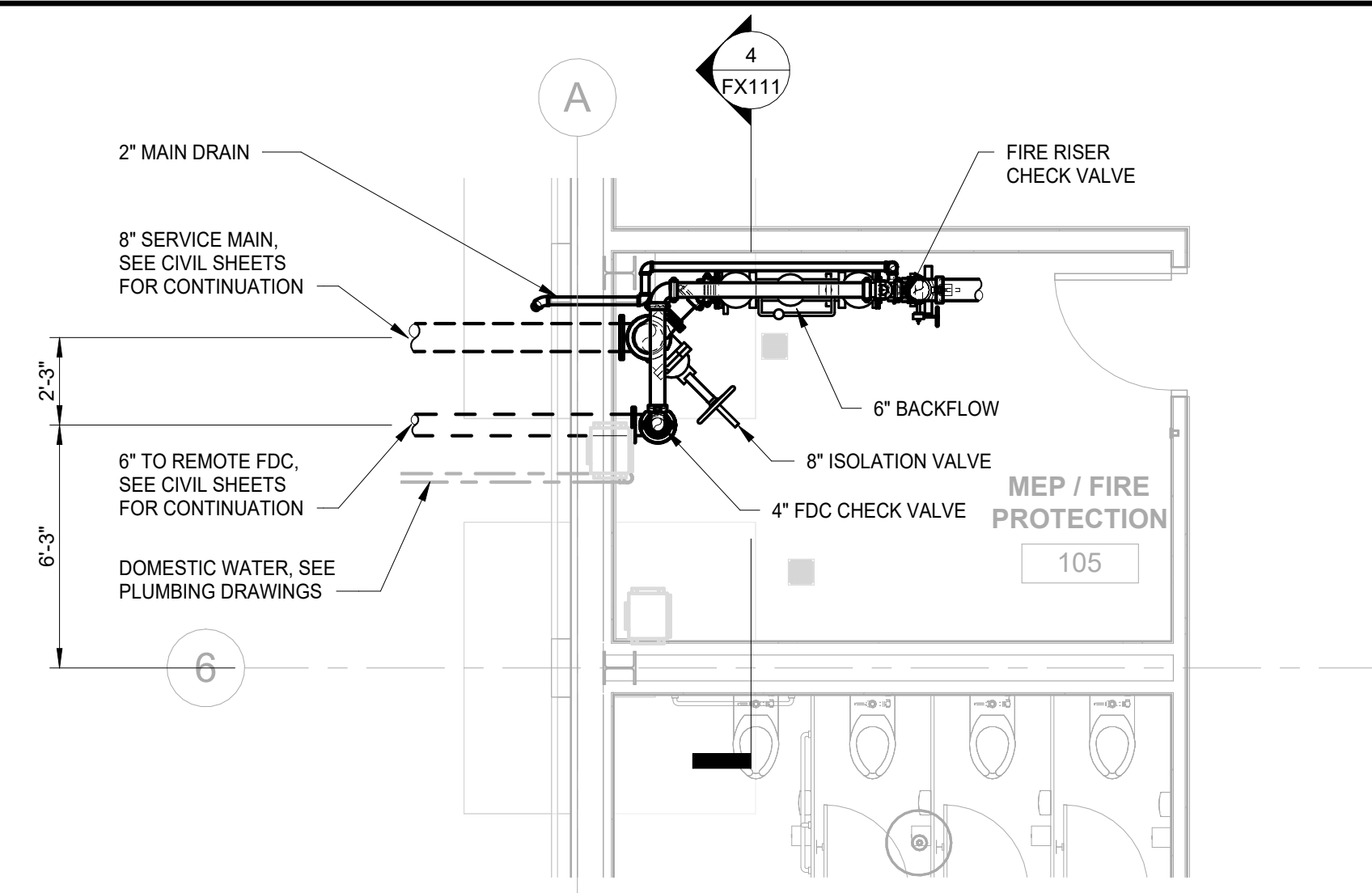
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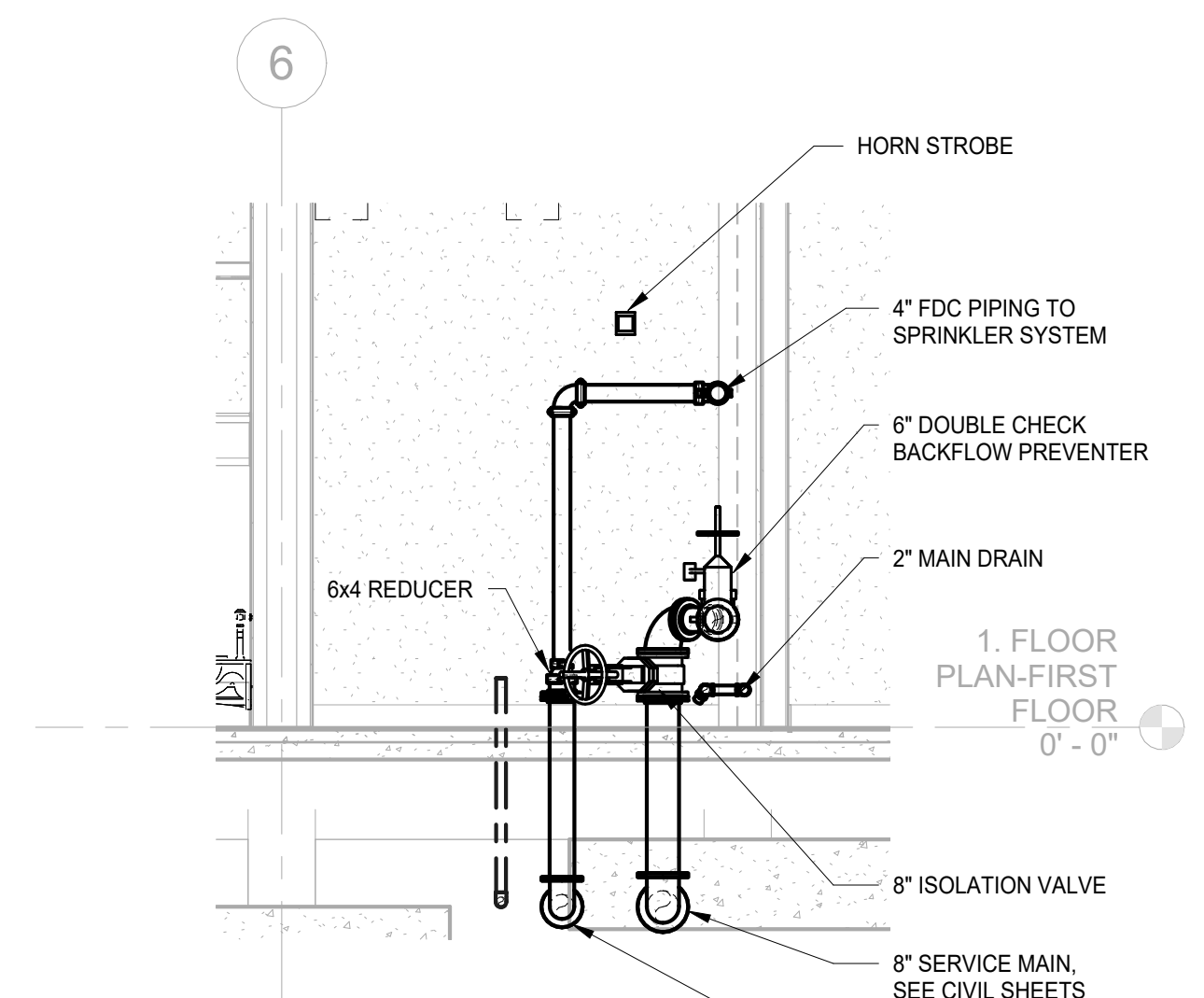
Drawn by: JH
Checked by: JH
Title: FIRE PROTECTION SUPPRESSION FLOOR PLAN
Date: 08/08/2024 12:27:58 AM
Project: 3110648



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



2 FIRE PROTECTION ENLARGED PLAN
SCALE: 1/4" = 1'-0"



4 FIRE SERVICE ENTRANCE SECTION
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- DESIGN FIRE SPRINKLER HEADS SO THAT THE HVLS FANS ARE CENTERED APPROXIMATELY BETWEEN FOUR ADJACENT SPRINKLERS. ALL HVLS FANS SHALL BE INTERLOCKED TO SHUT DOWN IMMEDIATELY UPON WATERFLOW ALARM.

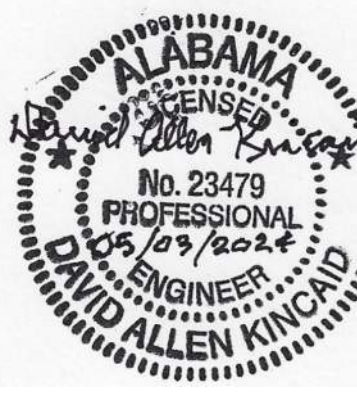
FIRE PROTECTION SUPPRESSION FLOOR PLAN

GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542

REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	08/08/2024	ISSUED FOR BID

FX111
FILE NO: 3110648

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815 962 AVENUE SOUTH SUITE 206 / NASHVILLE, TN 37203
PHONE: 615 246-5500



HVAC LEGEND		
SYMBOL	DESCRIPTION	ABBV.
	SUPPLY AIR CEILING DIFFUSER	CD
	3-WAY SUPPLY AIR GRILLE/REGISTER	SAG/SAR
	2-WAY SUPPLY AIR CEILING DIFFUSER	CD
	RETURN AIR GRILLE / REGISTER	RAG / RAR
	EXHAUST GRILLE / REGISTER	EG / ER
	DUCT MTD. SIDEWALL SUPPLY AIR GRILLE/REGISTER	SAG/SAR
	SUPPLY DUCT RISE/DROP	
	RETURN DUCT RISE/DROP	
	EXHAUST DUCT RISE/DROP	
	MANUAL VOLUME DAMPER	MVD
	NEW DUCTWORK	FLEX.CONN.
	DUCT MOUNTED SMOKE DETECTOR	
	THERMOSTAT	T'STAT
	MOTORIZED DAMPER ACTUATOR	DMPR.MTR.
	AIRFLOW DIRECTION RETURN / EXHAUST	
	AIRFLOW DIRECTION SUPPLY	
SA	SUPPLY AIR	
RA	RETURN AIR	
OA	OUTSIDE AIR	
EA	EXHAUST AIR	
AFF	ABOVE FINISHED FLOOR	
B.O.D.	BOTTOM OF DUCT	
CD	HVAC CONDENSATE DRAIN	
RS	REFRIGERANT SUCTION	
RL	REFRIGERANT LIQUID	
	DIFFUSER NECK SIZE DIFFUSER SCHEDULE CFM	NOTE: DUCT RUNOUT TO NECK SAME SIZE UNLESS OTHERWISE NOTED

CODES AND STANDARDS			
BUILDING CODE:	INTERNATIONAL BUILDING CODE (IBC) - 2021		
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE (IMC) - 2021		
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE (IPC) -2018		
ELECTRICAL CODE:	NATIONAL ELECTRIC CODE (NEC) - 2020		
ENERGY CODE	INTERNATIONAL BUILDING CODE (IBC)		
SITE LOCATION			
STATE / COUNTY:	ALABAMA / BALDWIN		
ASHRAE CLIMATE ZONE:	ZONE 2A		
ELEVATION:	7 FEET		
OUTDOOR DESIGN TEMPERATURES			
DAUPHIN ISLAND, AL	SUMMER		
	88° DB	78° F WB	SEE NOTE 1
	82° DB	76° F WB	SEE NOTE 2
	WINTER		
	34° DB	32° F WB	SEE NOTE 3
INDOOR DESIGN TEMPERATURES			
SPACE	COOLING		HEATING
COMFORT COOLING	75° F	50% RH	70° F
MECH & FP ROOMS	OUTDOOR DRY BULB + 10° F		50° F
DUCT CONSTRUCTION & SEALING			
GENERAL NOTES: A. REFER TO SPECIFICATIONS FOR DUCT CONSTRUCTION OPTIONS: SHEET METAL DUCT; INTERIOR LINING; EXTERIOR INSULATION, ETC. B. LEAKAGE CLASS NUMBERS ARE FOR RECTANGULAR / ROUND METAL DUCT.			
DUCT SYSTEM	S.M.A.C.N.A. CLASS		
	S.P. CONST.	SEAL CLASS	LEAKAGE CLASS
ALL OTHER SUPPLY DUCTWORK	+ 1.0"	A	16/8
OUTSIDE AIR DUCTWORK & PLENUMS	+ 1.0"	A	16/8
RELIEF AIR DUCTWORK & PLENUMS	- 1.0"	A	16/8
EXHAUST DUCTWORK	- 1.0"	A	16/8
FIBERBOARD DUCTWORK	± 1.0"	A	4
SEISMIC CRITERIA			
OCCUPANCY CATEGORY:	II	COMPONENT IMPORTANCE FACTOR:	
SITE CLASS:	D	1.5 FOR NATURAL GAS DISTRIBUTION SYSTEMS AND NATURAL GAS EQUIPMENT. 1.0 FOR ALL OTHER SYSTEMS	
SEISMIC DESIGN CATEGORY:	B		
EXEMPTIONS PER ASCE 7-10 13.1.4	THE FOLLOWING NON-STRUCTURAL COMPONENTS ARE EXEMPT FROM SEISMIC BRACING REQUIREMENTS: MECHANICAL, AND ELECTRICAL. COMPONENTS IN SEISMIC DESIGN CATEGORY B		

1. TEMPERATURE BASED ON COOLING DB/MCWB - 1.0%
2. TEMPERATURE BASED ON COOLING HUMIDITY RATIO/MCDB - 1.0%
3. TEMPERATURE BASED ON HEATING DB - 99.0%

GENERAL NOTES (MECHANICAL):

1. FURNISH LABOR, INSTALL MATERIALS AND EQUIPMENT, AND INCLUDE SERVICES AND INCIDENTALS PRIOR TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
2. GUARANTEE WORK TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE OR AS REQUIRED BY SPECIFICATIONS.
3. THE CONTRACTOR TO OBTAIN AND PAY FOR REQUIRED PERMITS, FEES AND INSPECTIONS FOR THE PROJECT.
4. PROVIDE EQUIPMENT THAT BEARS ACCEPTANCE LABEL FROM CERTIFIED TESTING LABORATORY (UL OF OTHER).
5. COORDINATE WITH OTHER TRADES, SPECS AND DRAWINGS, AND OWNER'S DIRECTIONS.
6. EQUIPMENT SELECTION AS SHOWN ON THE DRAWING IS FOR DESIGN PURPOSES ONLY. ACTUAL INSTALLED EQUIPMENT MAY DIFFER FROM THAT SHOWN. EQUIPMENT PERFORMANCE CHARACTERISTICS AND TYPE ARE THE GOVERNING FACTORS IN SUBSTITUTION OR EQUIVALENT COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.
7. THE MECHANICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATION. DETAILS AND ASSEMBLY DRAWINGS ARE SPECIFIC AND SHOULD BE CLOSELY FOLLOWED.
8. INSTALL THE MECHANICAL SYSTEM IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION, THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, NFPA 90A, NFPA 54, ETC.
9. FABRICATE AND INSTALL DUCTS IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS."
10. FABRICATE SHEET METAL DUCTWORK FROM GALVANIZED STEEL SHEET, ASTM 507.
11. EXTERNALLY INSULATE CONCEALED SUPPLY DUCTWORK WITH THE BUILDING ENVELOPE UNLESS OTHERWISE NOTED. DUCT DIMENSIONS ARE NET INSIDE DIMENSIONS. DO NOT INSULATE GENERAL EXHAUST DUCT.
12. INSULATE FLEXIBLE DUCTWORK WITH INSULATION TYPE FOR LOW PRESSURE APPLICATIONS. FLEXIBLE DUCTWORK WILL BE UL LISTED FOR UL181 CLASS 1 AIR DUCT MATERIAL, COMPLYING WITH NFPA STANDARD 90A 508. 3-4" MAXIMUM LENGTH OF RETURN AND INSTALLED FREE OF KINKS IN AIRBENT TURNS.
13. BELL-MOUTH WITH SELF-STICK GASKET DAMPER OR CONICAL BELL-MOUTH SPIN IN FITTING WITH DAMPER INSTALLED INSIDE OF RECTANGULAR SUPPLY DUCT AT 4" DUCT TAKE-OFFS. INSTALL PER MANUFACTURER'S RECOMMENDATION.
14. DUCTWORK ELBOWS WILL BE RADIIUS TYPE WHERE INSTALLATION PERMITS. CENTERLINE RADIUS WILL BE NOMINALLY 1.5 X W, WHERE A RADIUS TYPE ELBOW IS NOT FEASIBLE, ELBOW WILL BE SQUARE THROATED TYPE WITH TURNING VANES.
15. INSTALL BALANCING DAMPERS AT BRANCH DUCT TAKE-OFFS AND AT DUCT RUNOUTS ON END OF RUNS.
16. INSTALL SLEEVES WHERE DUCTS OR PIPING PENETRATE FOUNDATION WALLS, PARTITIONS, FLOOR OR ROOF. PACE ARROUND SLEEVES AND SEAL. WEATHER TIGHT. INSTALL FLASHING AS REQUIRED.
17. UNLESS OTHERWISE NOTED, MOUNT WALL THERMOSTATS AT 4'-6" ABOVE FINISHED FLOOR.
18. INSTALL CONTROLS IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS.
19. ADJUST THE FINAL LOCATION OF GRILLES AND DIFFUSERS AS NECESSARY TO CLEAR THE STRUCTURAL SYSTEM. COORDINATE LOCATION OF CEILING AIR DISTRIBUTION DEVICES WITH ARCHITECT, REFLECTED CEILING PLAN. FIRE SPRINKLER HEAD LOCATIONS, AND INSTALLED GRILL SYSTEM.
20. COORDINATE THE LOCATIONS OF EQUIPMENT TO PROVIDE REQUIRED CLEARANCES FOR MAXIMUM PERFORMANCE AND MAINTENANCE.
21. SIZE REFRIGERANT LINES IN ACCORDANCE WITH DX EQUIPMENT MANUFACTURERS' RECOMMENDATION, ASHRAE STANDARDS, APPLICABLE DETAILS AND SPECIFICATIONS, WHERE CONDITIONS WARRANT. CONSIDER LENGTH OF RUN AND CHANGE IN ELEVATION IN SIZING REFRIGERANT LINES.
22. RECIRCULATING AIR HANDLING UNITS 2000 CFM OR GREATER WILL HAVE A SMOKE DETECTOR INSTALLED IN THE RETURN AIR STREAM PRIOR TO ANY EXHAUSTING OR MIXING WITH FRESH AIR AND A SMOKE DETECTOR INSTALLED IN THE SUPPLY AIR STREAM AHEAD OF ANY BRANCH CONNECTIONS. THE SENSING DEVICE WILL AUTOMATICALLY SHUTDOWN THE SYSTEM FAN(S) IF SMOKE IS DETECTED. COORDINATE WITH ELECTRICAL CONTRACTOR.
23. FABRICATE RECTANGULAR DUCTWORK AND PLenums WITH 2" FIBERBOARD, FORM AND INSTALL PER MANUFACTURERS INSTRUCTIONS AND THE SPECIFICATIONS.

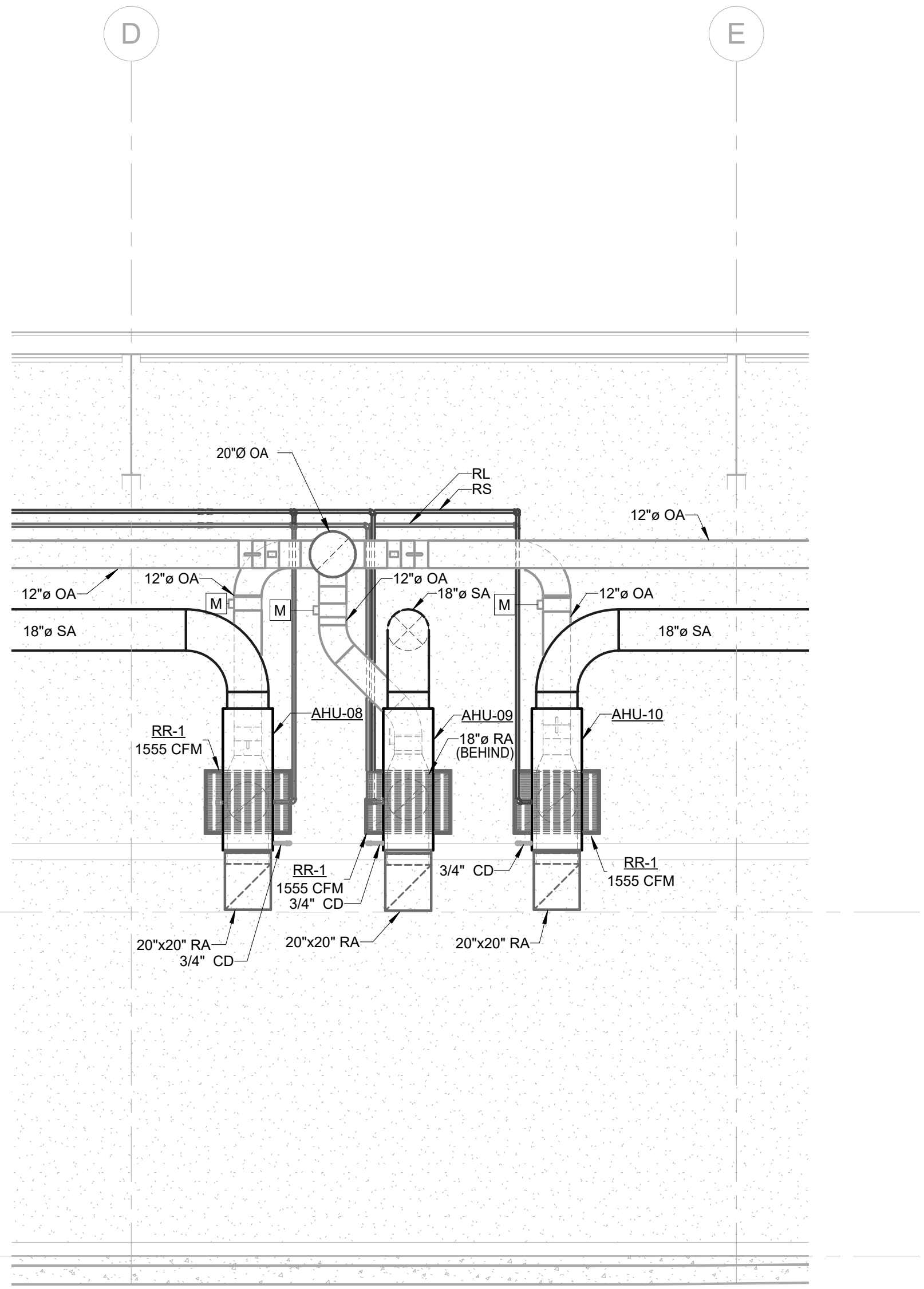
CONTROL SEQUENCES

1. AIR HANDLING UNITS/HEAT PUMPS:
 - A. SYSTEM SHALL BE CONTROLLED BY MANUFACTURER PROVIDED SPACE THERMOSTAT.
 - B. AIR HANDLING UNIT RETURN AIR SMOKE DETECTOR SHALL SHUT DOWN THE UNIT ON SENSING PICTURES OF OBSTRUCTIONS.
 - C. SYSTEM NORMALLY CLOSED OUTSIDE AIR DAMPER SHALL BE INTERLOCKED WITH THE SYSTEM TO OPEN WHEN SYSTEM IS OPERATING AND CLOSED WHEN SYSTEM IS OFF.
2. EF-02 AND EF-03:
 - A. FAN SHALL BE CONTROLLED BY A SPACE THERMOSTAT. FAN SHALL START WHEN THE ROOM TEMPERATURE EXCEEDS 80 DEG. F.
3. EF-01:
 - A. FAN SHALL BE INTERLOCKED WITH AHU-03. WHEN AHU STARTS, EF-01 SHALL START. IF AHU IS SHUTDOWN, EF-01 SHALL STOP.

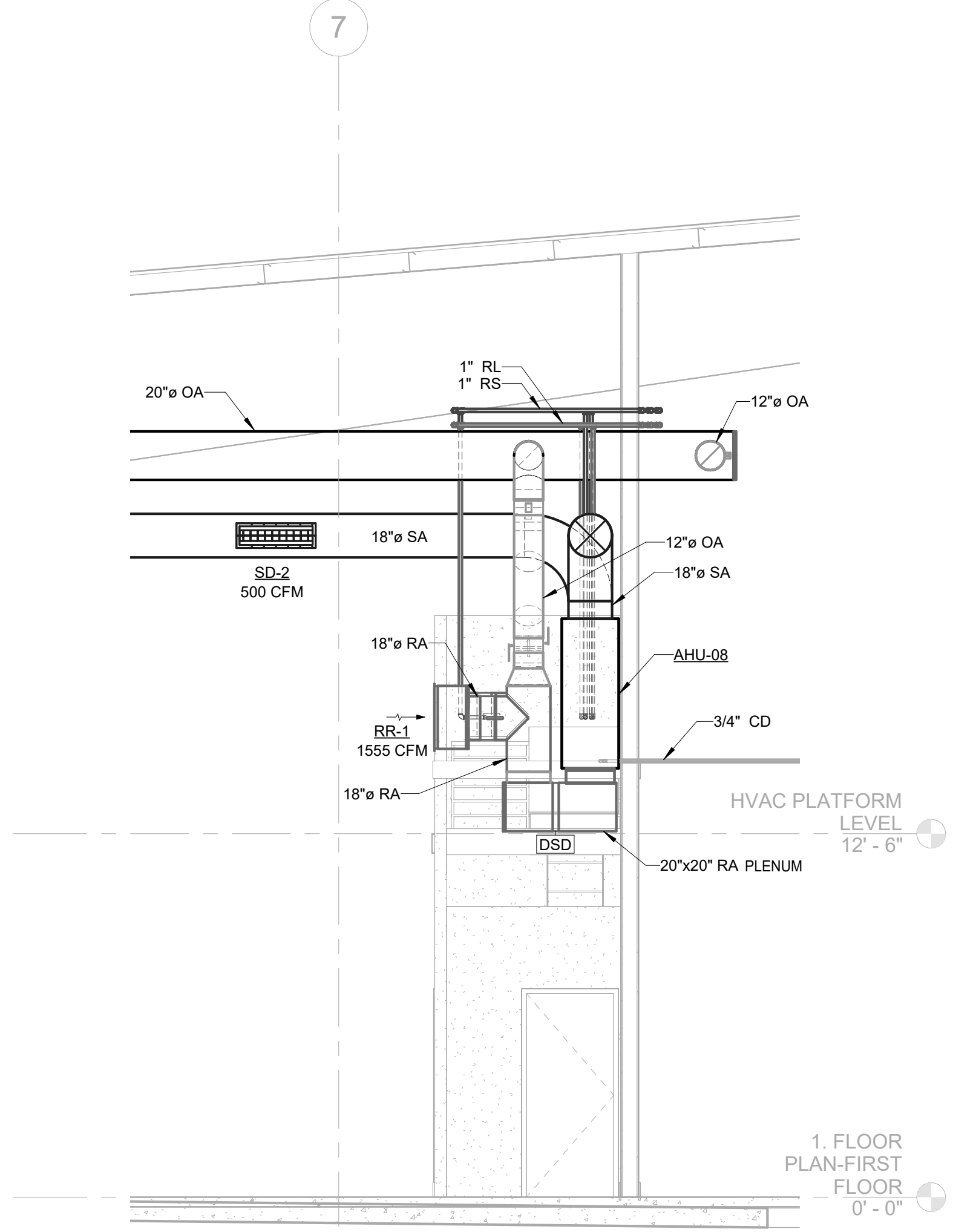
ADDITIVE BID ITEM:

1. HVLS-01, 02, 03, 04, 05

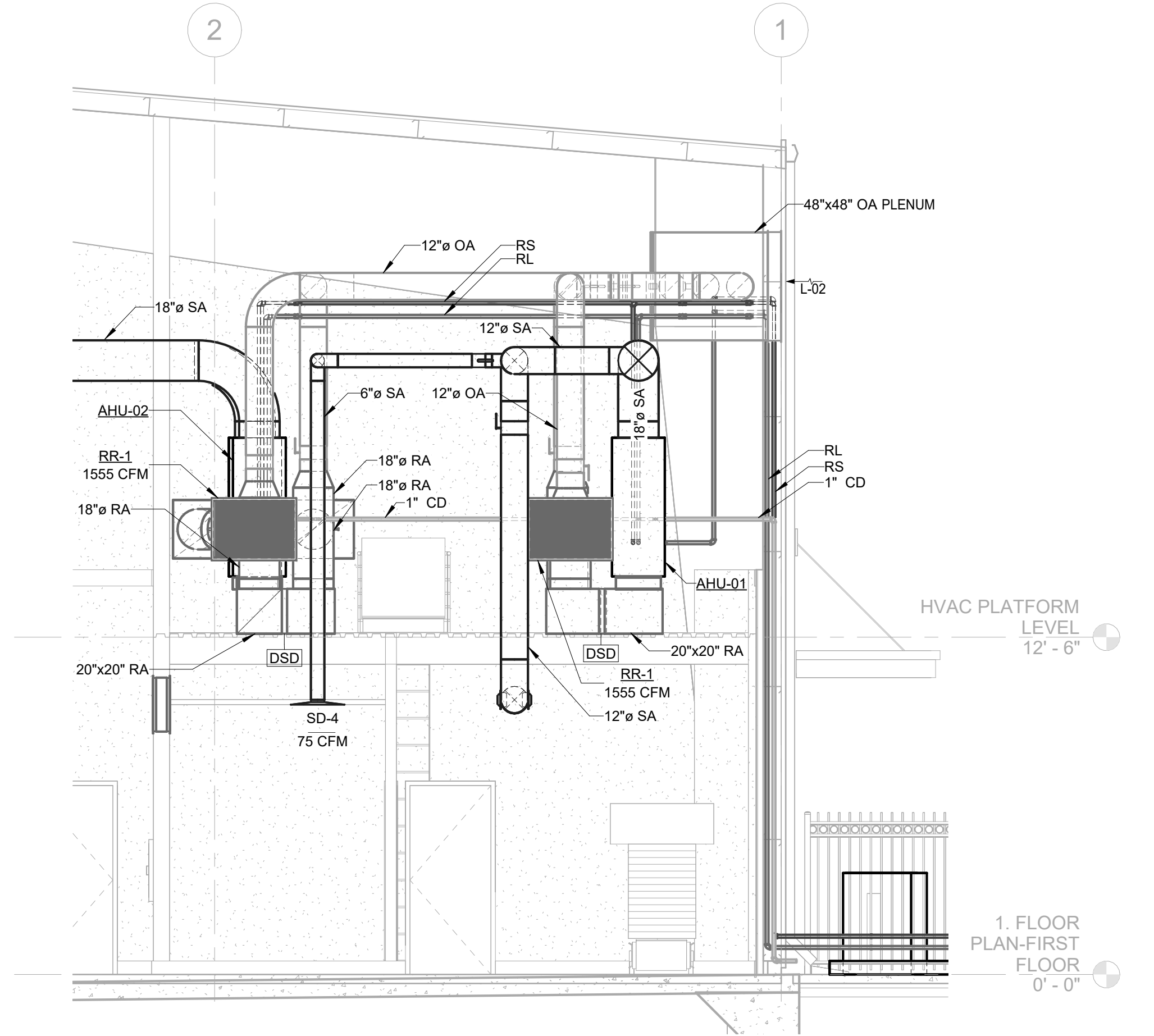
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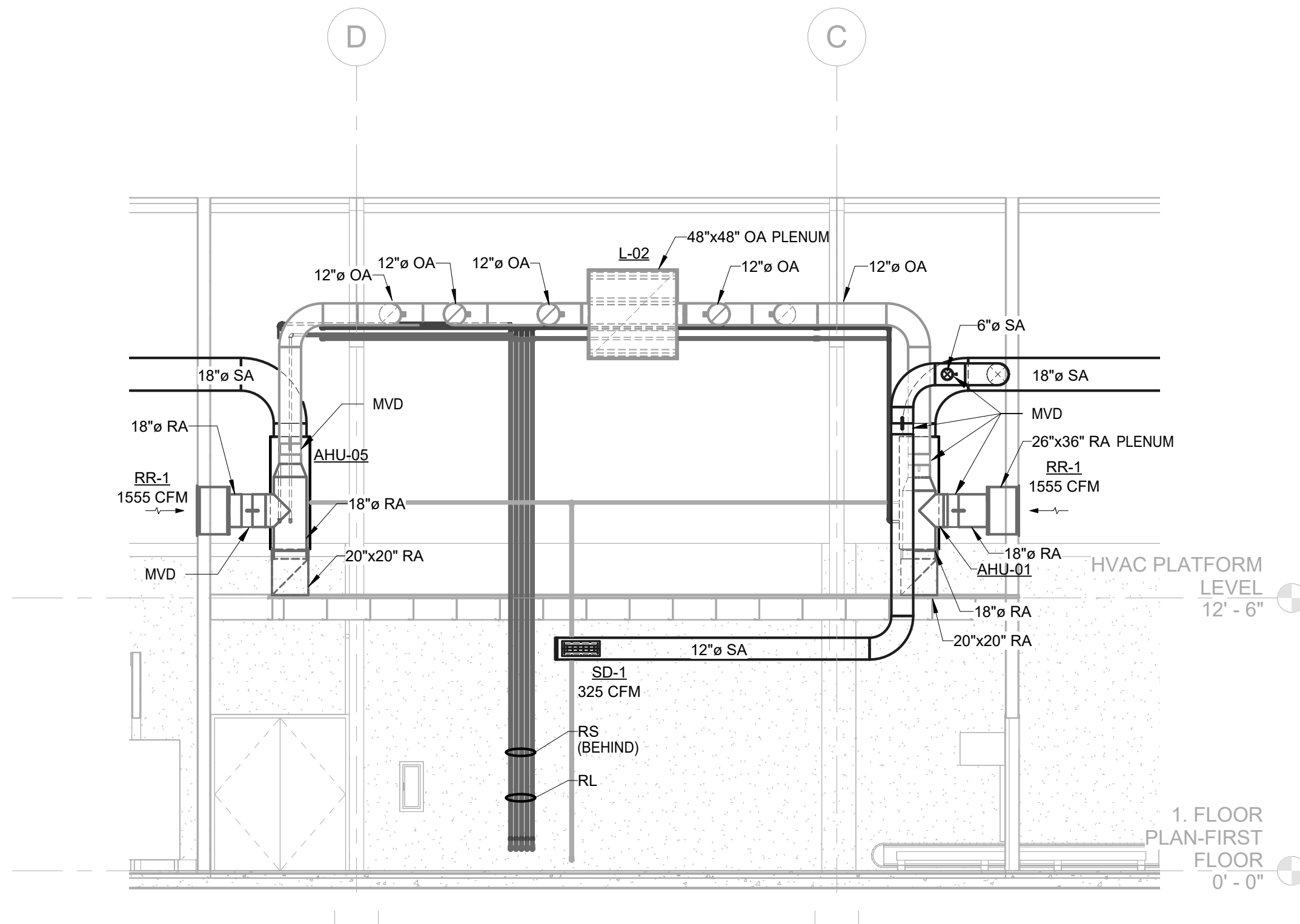
3 BAGGAGE CLAIM HVAC MEZZANINE LOOKING EAST LOOKING NORTH
MH301 SCALE: 1/4" = 1'-0"



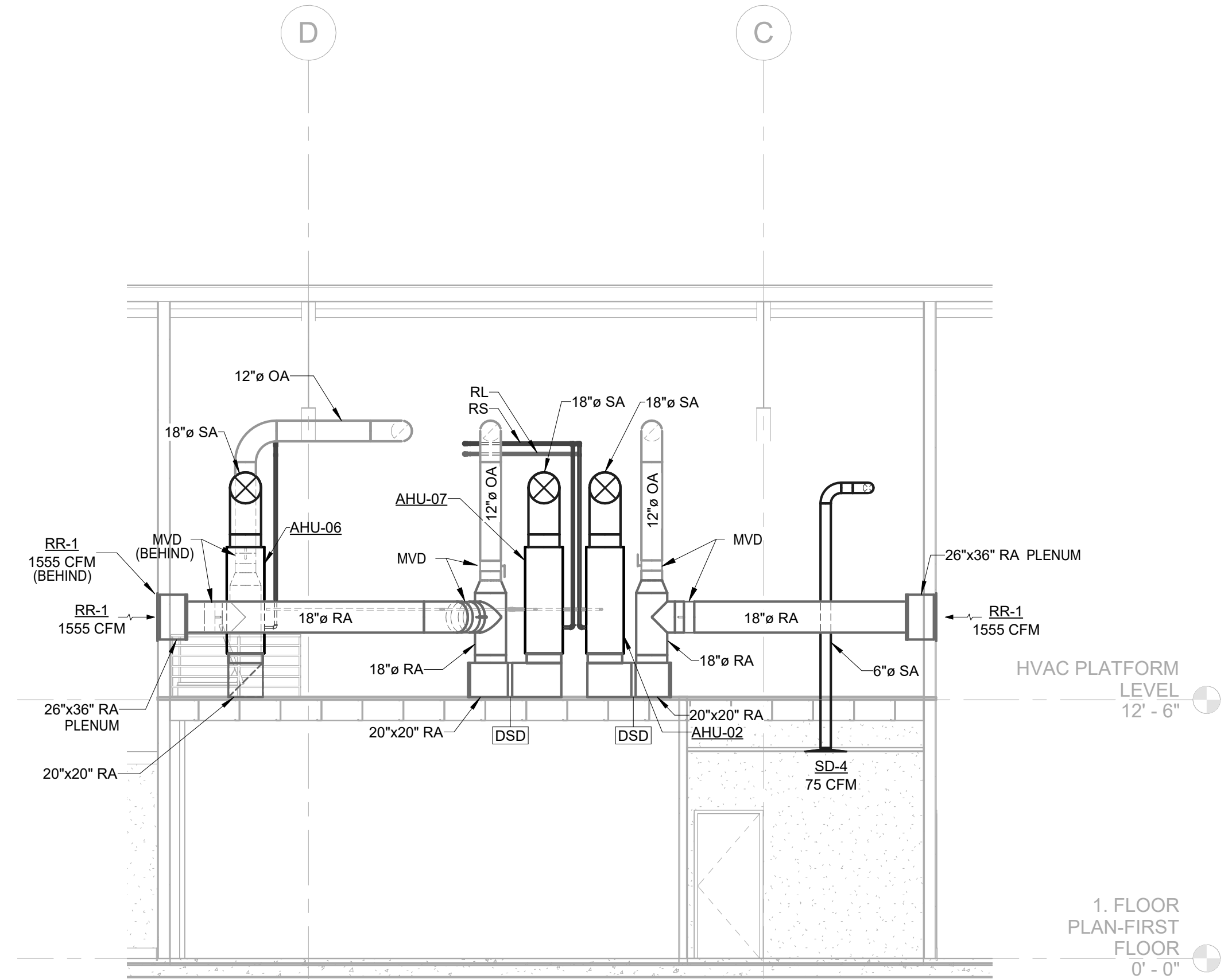
2 BAGGAGE CLAIM HVAC MEZZANINE LOOKING EAST
MH301 SCALE: 1/4" = 1'-0"



1 TSA BAGGAGE SCREENING HVAC MEZZANINE LOOKING EAST
MH301 SCALE: 1/4" = 1'-0"



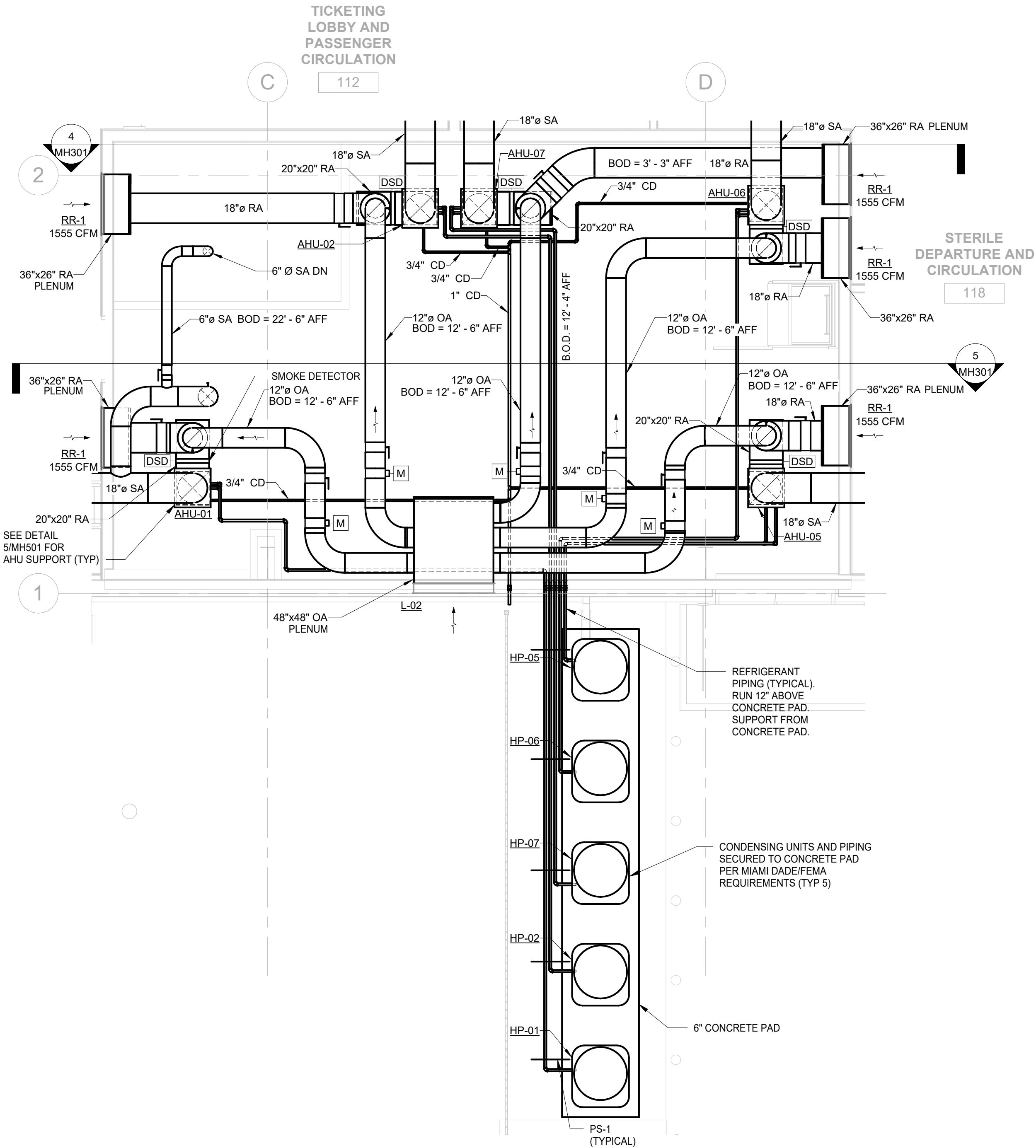
5 TSA BAGGAGE SCREENING HVAC MEZZANINE LOOKING SOUTH
MH301 SCALE: 3/16" = 1'-0"



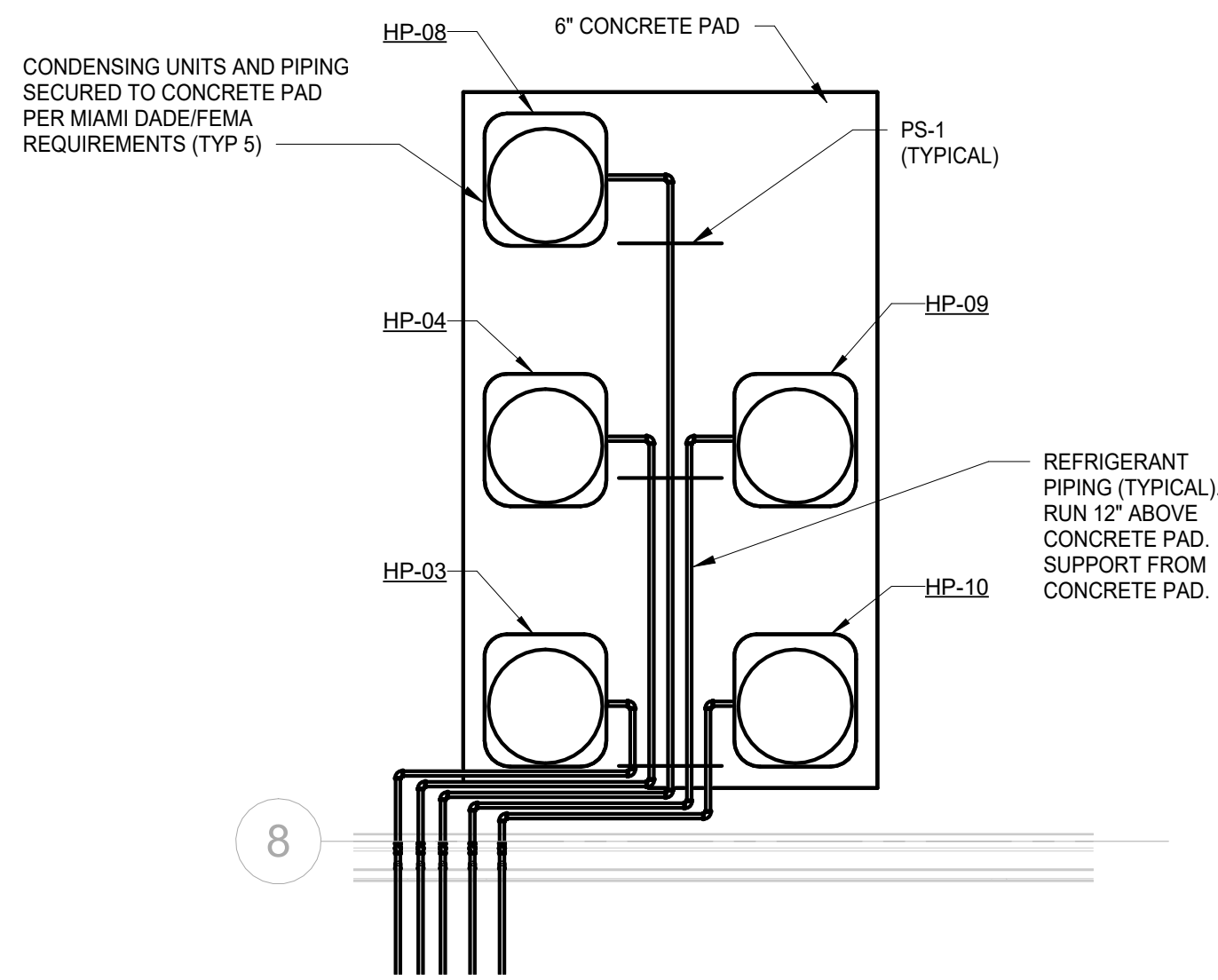
4 TSA BAGGAGE SCREENING HVAC MEZZANINE LOOKING SOUTH
MH301 SCALE: 3/16" = 1'-0"

REVISION INFORMATION		DESCRIPTION
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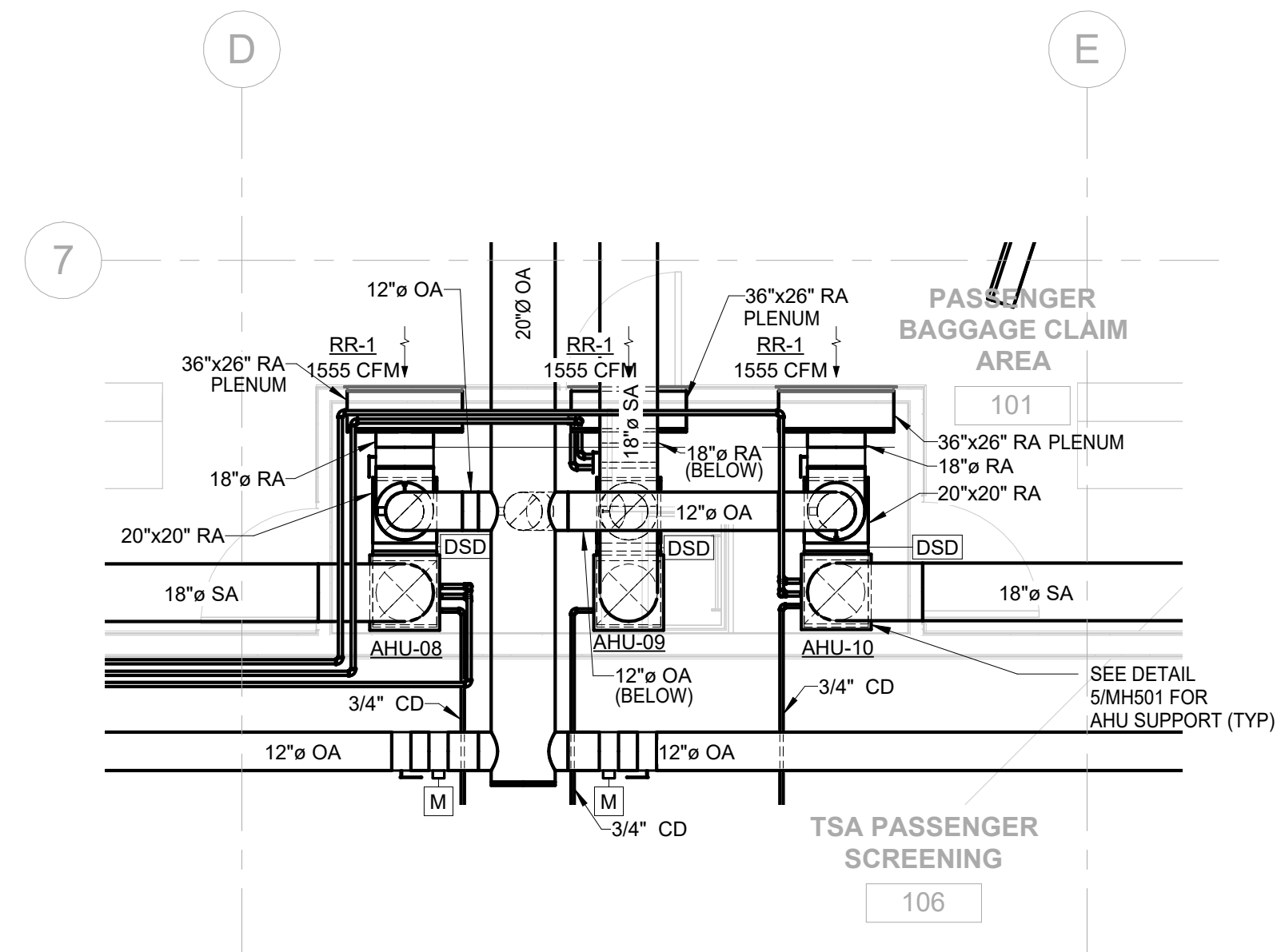
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Date: 09/05/2024 10:28:52 AM
Project: 3110648
Client: GSA



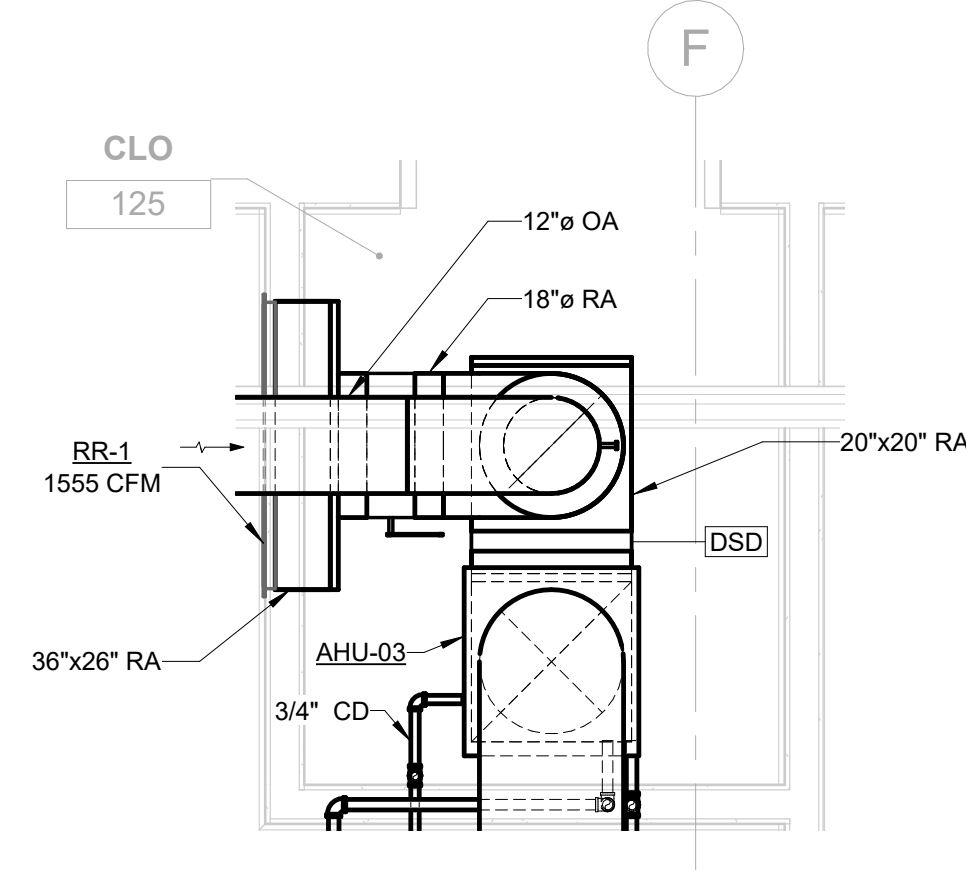
1 TSA BAGGAGE SCREENING AREA HVAC MEZZANINE
SCALE: 1/4" = 1'-0"



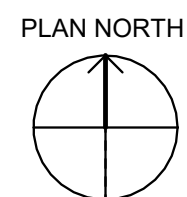
2 HVAC PAD NORTH
SCALE: 1/4" = 1'-0"



3 BAGGAGE CLAIM AREA HVAC MEZZANINE
SCALE: 1/4" = 1'-0"



4 TSA HVAC CLOSET
SCALE: 1/2" = 1'-0"



NOTE BLOCK 1

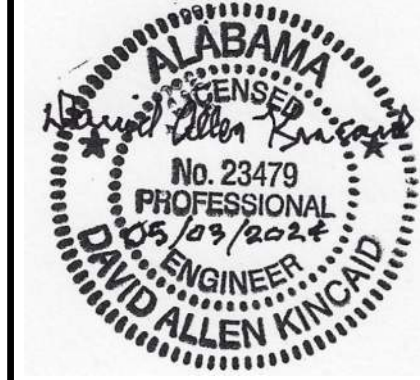
NOTE BLOCK 2

NOTE BLOCK 3

MECHANICAL HVAC FIRST FLOOR ENLARGED PLANS
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542

REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	09/05/2024	ISSUED FOR RED

MH411
FILE NO: 3110648



BARGE
DESIGN SOLUTIONS
815 3RD AVENUE SOUTH SUITE 200 N. MARSHALL, TN 37070
PHONE: 615.246.5000



LOUVER SCHEDULE													
EQUIPMENT TAG	DESCRIPTON	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	AIRFLOW (CFM)	SIZE			FREE AREA (FT. SQ.)	MAX. AIR P.D. (IN. WG)	FRAME TYPE	REMARKS
							WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)				
L-01	6 IN. DEEP, STATIONARY LOUVER - HURRICANE RATED	GREENHECK	ESD-635D	AIR INTAKE	NORTH WALL	2,225	48	48	6	4.7	0.06	AS SELECTED BY ARCHITECT	1,2,3,4,5
L-02	6 IN. DEEP, STATIONARY LOUVER - HURRICANE RATED	GREENHECK	ESD-635D	AIR INTAKE	SOUTH WALL	2,225	48	48	6	4.7	0.06	AS SELECTED BY ARCHITECT	1,2,3,4,5
REMARKS: 1. ALUMINUM CONSTRUCTION 2. BIRDSCREEN 3. LOUVER COLOR BY ARCHITECT. 4. OR APPROVED EQUAL 5. AMCA 540 LISTED.													

AIR DEVICE SCHEDULE									
TAG NO.	DESCRIPTION	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER	TYPE	NECK TYPE IN. X IN.	CEILING PANEL IN. X IN.	PRESSURE DROP IN. WG.	CFM RANGE	MAX. NC LEVEL	REMARKS/ ACCESSORIES
SD-1	SUPPLY DIFFUSER	TITUS DL-SV/SPLIT VANE	DRUM LOUVER	18 X 6		0.08	0-350	11	1,2
SD-2	SUPPLY DIFFUSER	TITUS DL-SV/SPLIT VANE	DRUM LOUVER	30 X 8		0.10	351-825	15	1,2
SD-3	SUPPLY DIFFUSER	TITUS DL-SV/SPLIT VANE	DRUM LOUVER	36 X 8		0.11	826-1000	16	1,2
SD-4	SUPPLY DIFFUSER	TITUS TMS-AA	LOUVER FACE, LAY-IN	6" DIA	24 X 24	0.03	0-100	—	1,2
SD-5	SUPPLY DIFFUSER	TITUS TMS-AA	LOUVER FACE, LAY-IN	8" DIA	24 X 24	0.03	101-175	—	1,2
SD-6	SUPPLY DIFFUSER	TITUS TMS-AA	LOUVER FACE, SURFACE	6" DIA	24 X 24	0.04	0-100	—	1,2,4
SD-7	SUPPLY DIFFUSER	TITUS TMS-AA	LOUVER FACE, SURFACE	8" DIA	24 X 24	0.03	101-175	—	1,2,4
SD-8	SUPPLY DIFFUSER	TITUS TMS-AA	LOUVER FACE, SURFACE	10" DIA	24 X 24	0.04	176-325	18	1,2,4
TR-1	TRANSFER REGISTER	TITUS-350FL	LOUVER FACE, SURFACE MOUNTED	24 X 24	-	0.01	0-750	-	1,2,4
RR-1	RETURN REGISTER	TITUS-350FLF/2" FILTER	LOUVER FACED, SURFACE MOUNTED	36 X 26	-	0.13	0-1750	13	1,2,3,4
RR-2	RETURN REGISTER	TITUS-PXP-NT	PERFORATED, LAY-IN	-	24 X 24	-	-	-	2,4
ER-1	EXHAUST REGISTER	TITUS-PAR AA	PERFORATED, SURFACE MOUNTED	6" ø	12 X 12	0.13	50-135	18	1,2,4
ER-2	EXHAUST REGISTER	TITUS-PAR AA	PERFORATED, SURFACE MOUNTED	10" ø	24 X 24	0.13	211-350	20	1,2,4
REMARKS/ ACCESSORIES: 1. OPPOSED BLADE DAMPERS 2. ALUMINUM CONSTRUCTION 3. HINGED REGISTER WITH HINGE ON TOP. 4. OR APPROVED EQUAL									

FAN SCHEDULE																
EQUIPMENT TAG	DESCRIPTION	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER	SERVICE	LOCATION	TOTAL AIRFLOW CFM	EXT. S.P. IN. WG	FAN RPM	MOTOR					CLASS	ARRANGEMENT	WEIGHT LBS	REMARKS/ ACCESSORIES
								WATTS	DRIVE	MOTOR TYPE	VFD	V/PH/HZ				
EF-01	INLINE CENTRIFUGAL	GREENHECK MODEL CSP-A1050-VG	TOILET EXHAUST	EXPOSED RM. 105	1,000	0.38	1,225	241	DIRECT	PSC	SPEED CONTROL	120/1/60	-	-	59	1.2.3.4.5,8,9,11
EF-02	INLINE CENTRIFUGAL	GREENHECK MODEL CSP-A510-VG	BUILDING UTILITY	EXPOSED RM. 102	510	0.125	1,275	160	DIRECT	PSC	SPEED CONTROL	120/1/60			36	1.2.3.4.6,8,9,11,12
EF-03	INLINE CENTRIFUGAL	GREENHECK MODEL CSP-A280	MEP/FIRE PROTECTION	EXPOSED RM. 105	280	0.125	1,050	102	DIRECT	PSC	SPEED CONTROL	120/1/60			23	1.2.3.4.7,8,9,11,12
HVLS-01	PROPELLER/AXIAL CIRCULATION	GREENHECK MODEL DC-5-14	AIR CIRCULATION	EXPOSED RM. 112	55,800	-	76	1/4 HP	DIRECT	PSC	-	120/1/60	-	-	91	8.9.10.11
HVLS-02	PROPELLER/AXIAL CIRCULATION	GREENHECK MODEL DC-5-14	AIR CIRCULATION	EXPOSED RM. 101	55,800	-	76	1/4 HP	DIRECT	PSC	-	120/1/60	-	-	91	8.9.10.11
HVLS-03	PROPELLER/AXIAL CIRCULATION	GREENHECK MODEL DC-5-14	AIR CIRCULATION	EXPOSED RM. 101	55,800	-	76	1/4 HP	DIRECT	PSC	-	120/1/60	-	-	91	8.9.10.11
HVLS-04	PROPELLER/AXIAL CIRCULATION	GREENHECK MODEL DC-5-10	AIR CIRCULATION	EXPOSED RM. 118	11,300	-	140	1/4 HP	DIRECT	PSC	-	120/1/60	-	-	77	8.9.10.11
HVLS-05	PROPELLER/AXIAL CIRCULATION	GREENHECK MODEL DC-5-10	AIR CIRCULATION	EXPOSED RM. 118	11,300	-	140	1/4 HP	DIRECT	PSC	-	120/1/60	-	-	77	8.9.10.11
REMARKS/ ACCESSORIES: 1. BACKDRAFT DAMPER 2. PREMIUM EFFICIENCY MOTOR 3. BIRDSCREEN 4. INLET AND OUTLET FLEX DUCT CONNECTOR 5. WC-18x8 WALL CAP 6. WC-8x8 WALL CAP 7. WC-10x3 WALL CAP 8. MOTOR THERMAL OVERLOAD PROTECTION 9. HANGING SPRING ISOLATORS, HOUSED 10.PROVIDE SAFETY CABLE, GUY WIRES, MOUNTING KIT, DISCONNECT SWITCH, EXTENDED WARRANTY, KEYPAD CONTROL, FIRE RELAY 11 OR APPROVED EQUAL 12.PROVIDE ROOM THERMOSTAT TO START AND STOP FAN.																

SPLIT SYSTEM HEAT PUMP SCHEDULE																							
EQUIPMENT TAG	NOMINAL TONS	AREA SERVED	MANUFACTURER	MODEL NUMBER		CFM	O.A. CFM	ESP (IN.)	FAN HP	COOLING CAPACITY		SEER	HEATING CAPACITY @ 17°F	AUX. HEAT ELECTRICAL			AIR HANDLER ELECTRICAL			HEAT PUMP ELECTRICAL			ACCESSORIES
				HEAT PUMP	AIR HANDLER					TOTAL MBH	SENSIBLE MBH			KW	MCA	MOP	V/PH/Hz	MCA	MOCp	V/PH/Hz	MCA	MOCp	
HP-01/AHU-01	5.0	LOBBY	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-02/AHU-02	5.0	LOBBY	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-03/AHU-03	5.0	TSA	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-04/AHU-04	5.0	TSA	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-05/AHU-05	5.0	DEPARTURE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-06/AHU-06	5.0	DEPARTURE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-07/AHU-07	5.0	DEPARTURE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-08/AHU-08	5.0	BAGGAGE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-09/AHU-09	5.0	BAGGAGE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
HP-10/AHU-10	5.0	BAGGAGE	TRANE	4TWR6060N1	TAMXB0C60V51	2,000	445	1.0	1.00	55.3	42.4	15.6	36.2	10.6	72	80	208/1/60	9	15	208/1/60	35	60	SEE BELOW
ACCESSORIES:																							
1. LOW AMBIENT COOLING KIT																							
2. CONDENSER HAIL GUARD																							
3. TRANE CONTROL INTERFACE																							
4. HIGH STATIC FAN MOTOR																							
5. PROVIDE DRAIN PAD CONDENSATE PUMPS.																							
6. PROVIDE WEB BASE THERMOSTAT CONTROL.																							
7. OR APPROVED EQUAL																							
8. PROVIDE 1" MERV 8 FILTER																							
9. PROVIDE EPOXY-COATED COILS																							

PLUMBING LEGEND		
SYMBOL	DESCRIPTION	ABBV.
	COLD WATER	DCW
	HOT WATER	DHW
	HOT WATER RECIRC.	DHWR
	SANITARY WASTE (ABOVE SLAB)	SS
	SANITARY WASTE (BELOW SLAB)	SS
	VENT LINE (ABOVE OR BELOW SLAB)	V
	CLEANOUT (ABOVE GROUND PIPING)	CO
	CLEANOUT (BURIED PIPING)	CO
	CLEANOUT (IN WALL)	WCO
	PIPE TURNED UP/DOWN	
	GATE VALVE	
	CHECK VALVE	
	BALL VALVE	
	A.S.M.E. RATED T&P RELIEF VALVE	
	FLOOR DRAIN	FD
	SHOCK ARRESTOR	SA
	UNION IN LINE	
	CAP OR PLUG	
	TEE	
	ELBOW	
	THERMOMETER	
	PRESSURE GAUGE & GAUGE COCK	
	EXT. C.O.	EXT. C.O.
	DIRECTION OF FLOW	
WC-1, ETC.	FIXTURE IDENTIFICATION (SEE SPEC'S.)	
VTR	VENT THRU ROOF	VTR
AVTR	ACID VENT THRU ROOF	AVTR
I.E.	INVERT ELEVATION	I.E.
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	RPBP
AFF	ABOVE FINISHED FLOOR	AFF
BFF	BELOW FINISHED FLOOR	BFF
AFG	ABOVE FINISHED GRADE	AFG
	REFER TO NOTE NO.	
	RISER DIAGRAM IDENTIFICATION	
(1)	FLOOR LEVEL ON RISER	
	CALIBRATED BALANCING VALVE	

GENERAL NOTES (PLUMBING):

- THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN FIXTURES AND CONNECTIONS. DO NOT SCALE THE DRAWINGS. FOR EXACT LOCATIONS VERIFY LOCATIONS WITH ARCHITECT'S DRAWINGS.
- COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES AND NOTIFY OTHERS OF ANY CHANGES OF ANY CHASE OR ACCESS REQUIREMENTS FOR HIS PORTION OF THE WORK.
- INSTALL PLUMBING IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES. CONTRACTOR TO PAY FOR PERMITS, FEES, INSPECTIONS AND CONNECTIONS AS MAY BE REQUIRED FOR THIS WORK.
- VENT PIPING TO PENETRATE AND EXTEND A MINIMUM OF 12" ABOVE TOP OF ROOF. FLASH AND SEAL WEATHERIGHT TO ROOF.
- WASTE PIPES 2 1/2" AND SMALLER TO SLOPE A MINIMUM OF 1/4" PER FOOT. 3" AND LARGER TO SLOPE A MINIMUM OF 1/8" PER FOOT. SLOPE POTABLE WATER LINES AT A MINIMUM OF 1/8" PER FOOT TO LOW POINTS
- ROUTE PIPING IN ORDERLY MANNER AND MAINTAIN SLOPE GRADIENT.
- INSTALL PIPING TO CONSERVE BUILDING SPACE AND NOT TO INTERFERE WITH USE OF SPACE.
- GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS.
- INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT.
- PROVIDE CLEARANCE FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS.
- PROVIDE ACCESS WHERE VALVES AND FITTINGS ARE NOT EXPOSED.
- INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
- INSTALL BALL VALVES FOR SHUT-OFF AND TO ISOLATE EQUIPMENT, PARTS OF SYSTEM, OR VERTICAL RISERS. INSTALL MANUAL AIR VENTS AT HIGH POINTS OF POTABLE WATER LINES.
- INSTALL BALL VALVES FOR THROTTLING, BYPASS OR MANUAL FLOW CONTROL. SERVICES.
- PROVIDE NEW WATER SERVICE COMPLETE WITH REDUCED PRESSURE BACKFLOW PREVENTER AND PRESSURE REDUCING VALVE WITH STRAINER AND BY-PASS
- ADJUST STOPS AND VALVES FOR INTENDED WATER FLOW RATE TO FIXTURES WITHOUT SPLASHING, NOISE OR OVERFLOW.
- EXTEND CLEANOUTS TO FINISHED FLOOR OR WALL SURFACE. LUBRICATE THREADED CLEANOUT PLUG WITH MIXTURE OF GRAPHITE AND UNSEED OIL. ENSURE CLEARANCE OF CLEANOUT FOR ROOF OR DRAINAGE SYSTEM. ENCASE EXTENDED CLEANOUTS AND CONCRETE FLUSH WITH GRADE.
- INSTALL APPROVED POTABLE WATER PROTECTION DEVICE ON PLUMBING LINES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR.
- INSTALL WATER HAMMER ARRESTORS COMPLETE WITH ACCESSIBLE ISOLATED VALVE ON HOT AND COLD WATER SUPPLY PIPES. INSTALL THEM AT LOCATIONS THAT REQUIRES THEM TO PREVENT WATER HAMMER. CONTRACTOR IS TO INSTALL WATER HAMMER ARRESTORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. AS A MINIMUM ARRESTORS ARE TO BE INSTALLED AT ANY FAST CLOSING VALVE, AND AT FLUSH VALVES IN TOILETS GROOMS. WATER HAMMER ARRESTORS ARE TO BE SIZED AND SELECTED IN ACCORDANCE WITH UNIVERSAL STANDARD P.D.I. - W0201.
- INSTALL WATER HEATER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH PLUMBING AND RELATED ELECTRICAL WORK TO ACHIEVE OPERATING SYSTEM.
- ROOF VENT PENETRATION FLASHING FOR WATERPROOFING ARE TO BE MANUFACTURED ALUMINUM FLASHING PRODUCTS WITH WATERPROOF RUBBER SEALS MADE FOR VENT LINE SIZE.
- PROVIDE SLEEVES FOR PIPES THROUGH CONCRETE FLOORS AND MASONRY WALLS AND FIREPROOF CABLE SLEEVES IN ACCORDANCE WITH NFPA REQUIREMENTS.
- SIZE SLEEVES LARGE ENOUGH TO ALLOW FOR MOVEMENT DUE TO EXPANSION AND CONTRACTION. PROVIDE AN INERT, CONTINUOUS INSUL. INSULATION OF GLASS FIBER TYPE, COMBUSTIBLE. PROVIDE FLEXIBLE FLASHING AND METAL COUNTER FLASHING WHERE PIPING PENETRATES WEATHER OR WATERPROOFED WALLS, FLOORS AND ROOFS.
- WHERE PIPING PENETRATES FLOOR, CEILING OR WALL, CLOSE OFF SPACE BETWEEN PIPE AND ADJACENT WORK WITH STUFFING INSULATION AND CEMENT SEAL. PROVIDE CLOSE FITTING METAL COLLAR OR ESCUTCHEON COVERS AT BOTH SIDES OF PENETRATION.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. THAT WALL AND FLOOR JOINTS ARE SOUND AND MEET MANUFACTURER'S REQUIREMENTS FOR PREPARATION OF SEALANT. FORCE IS AVAILABLE AND OF THE CORRECT CHARACTERISTICS AND THAT THE MILLWORK IS CONSTRUCTED WITH ADEQUATE PROVISIONS FOR THE INSTALLATION OF COUNTERTOP LAVORATORIES IN SINKS.
- CONTRACTOR TO ROUGH-IN FLOOR PIPING CONNECTIONS IN ACCORDANCE WITH MINIMUM SIZE INDICATED AND PLUMBING FIXTURE SCHEDULE FOR PARTICULAR FIXTURES.
- INSTALL EACH FIXTURE, "P" TRAP SUCH THAT IT IS EASILY REMOVABLE FOR SERVICING AND CLEANING.
- INSTALL CHROME PLATED RING OR FLEXIBLE SPOONS TO FIXTURES WITH LOOSE KEY STOPS, REDUCERS AND ESCUTCHEONS.
- INSTALL COMPONENTS LEVEL AND PLUMB
- SEAL FIXTURES TO COUNTERTOP, WALL AND FLOOR SURFACE WITH SEALANT IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS FOR PREPARATION OF SEALANT AND MATERIAL. INSULATION INSTRUCTIONS, COLOR TO MATCH FIXTURE.

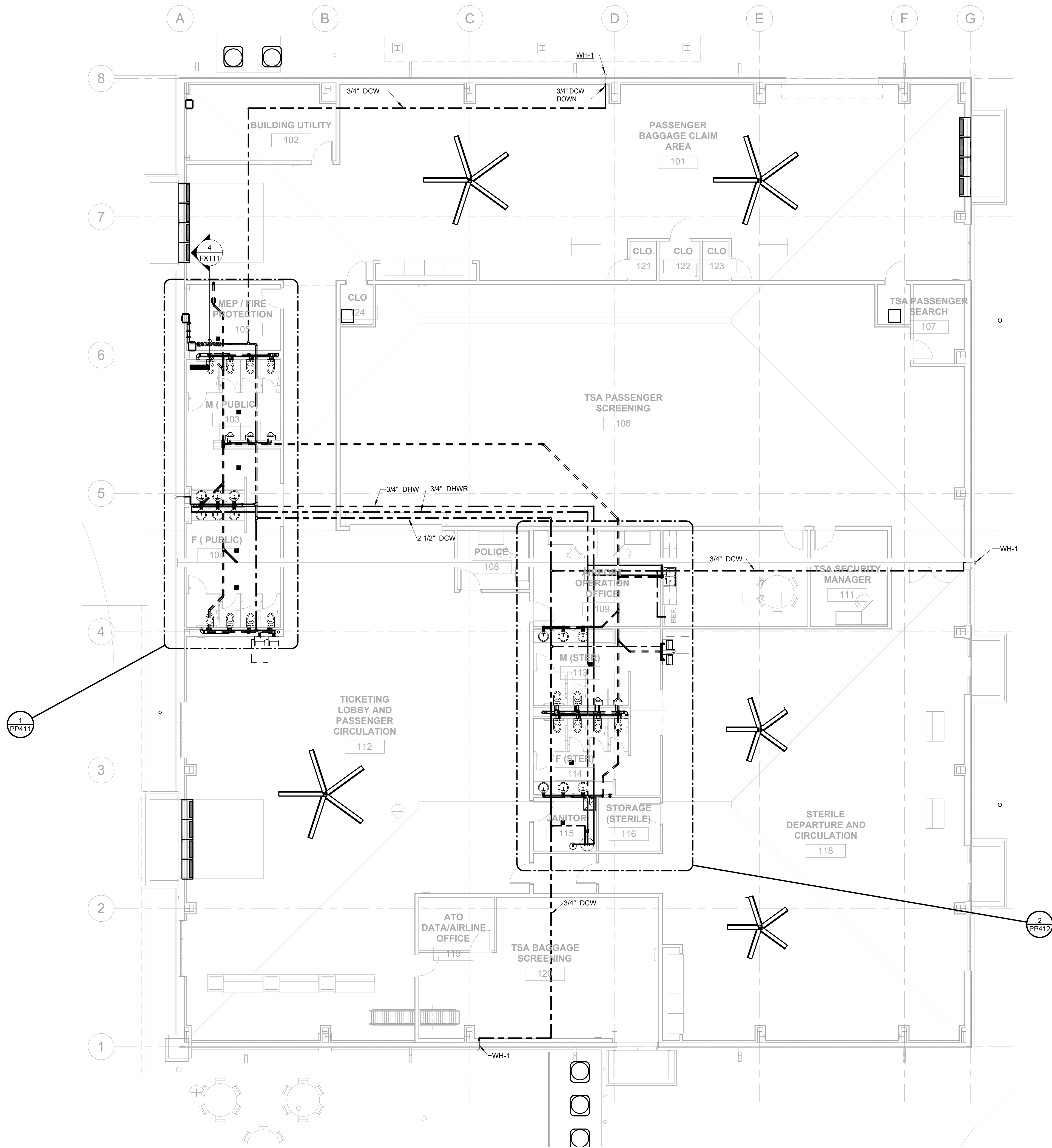




FILE NO: 3110648

Discipline: Soil
Drawing: PP111, PLUMBING UNDERSLAB PLAN
File: Autodesk Docs \\Gulf Shores New Terminal - 3110648310648_GSNT_M_V24.rvt
Time / Date: 5/8/2024 7:28:27 AM

Drawn by: 11
Checked by: 11
Title: 11
Date: 11/11/2024
Time: 11:11:11 AM
Drawing: 11
Project: 11
Revision: 11
Description: 11



1
PP112
PLUMBING PLAN
SCALE: 1/8" = 1'-0"

REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	11/11/2024	ISSUED FOR BID

PP112

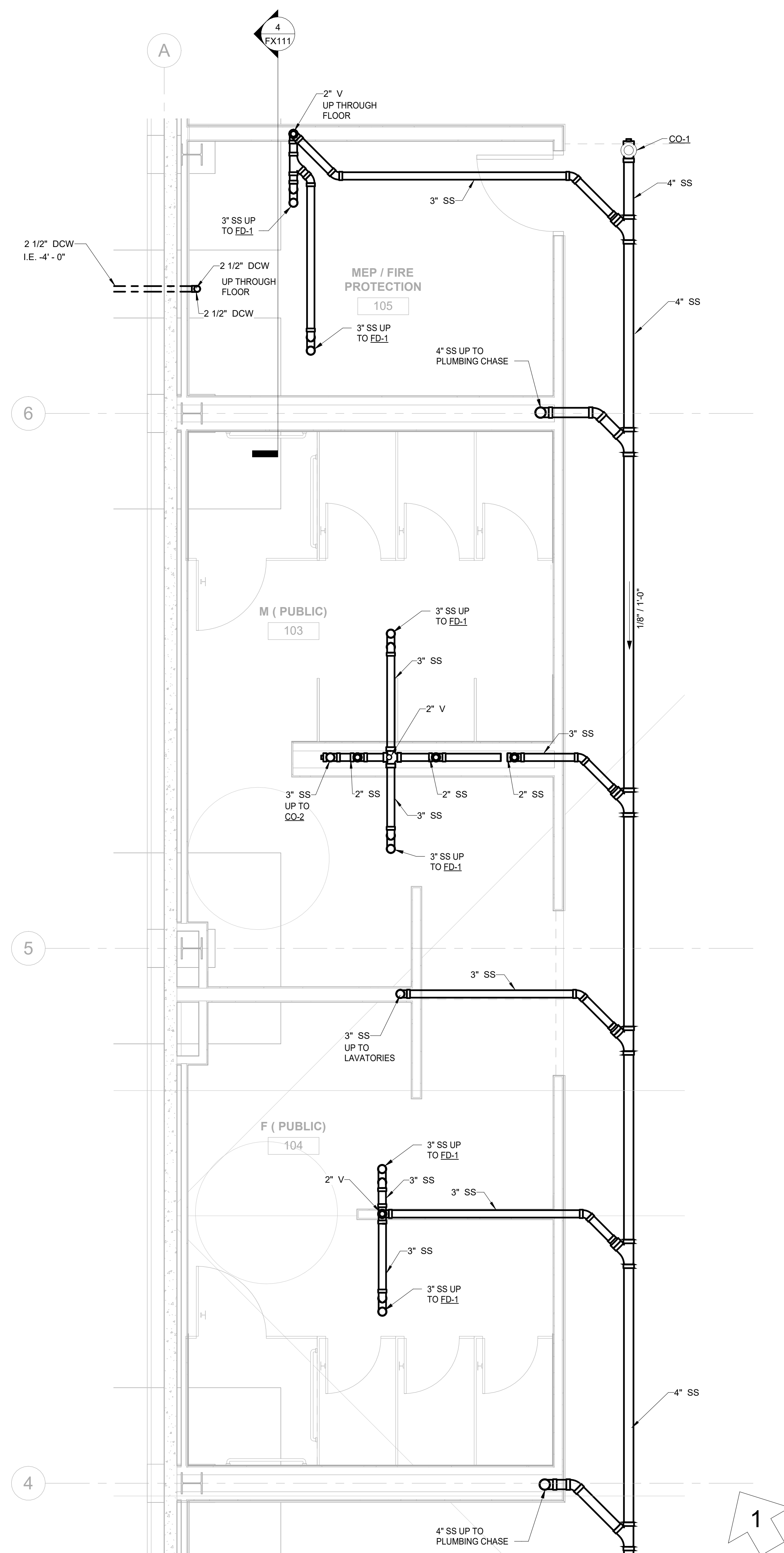
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PLUMBING PLAN

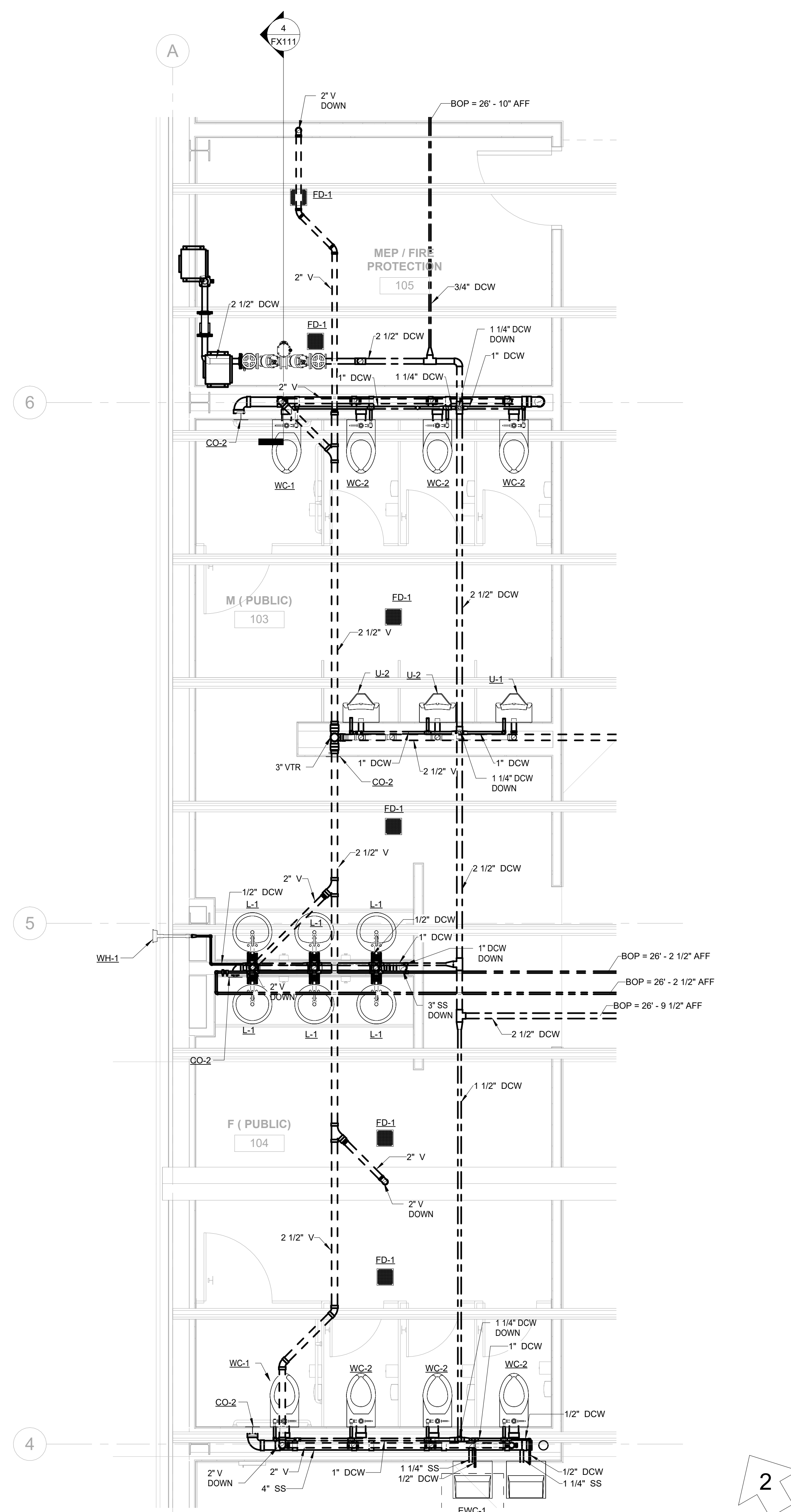
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542



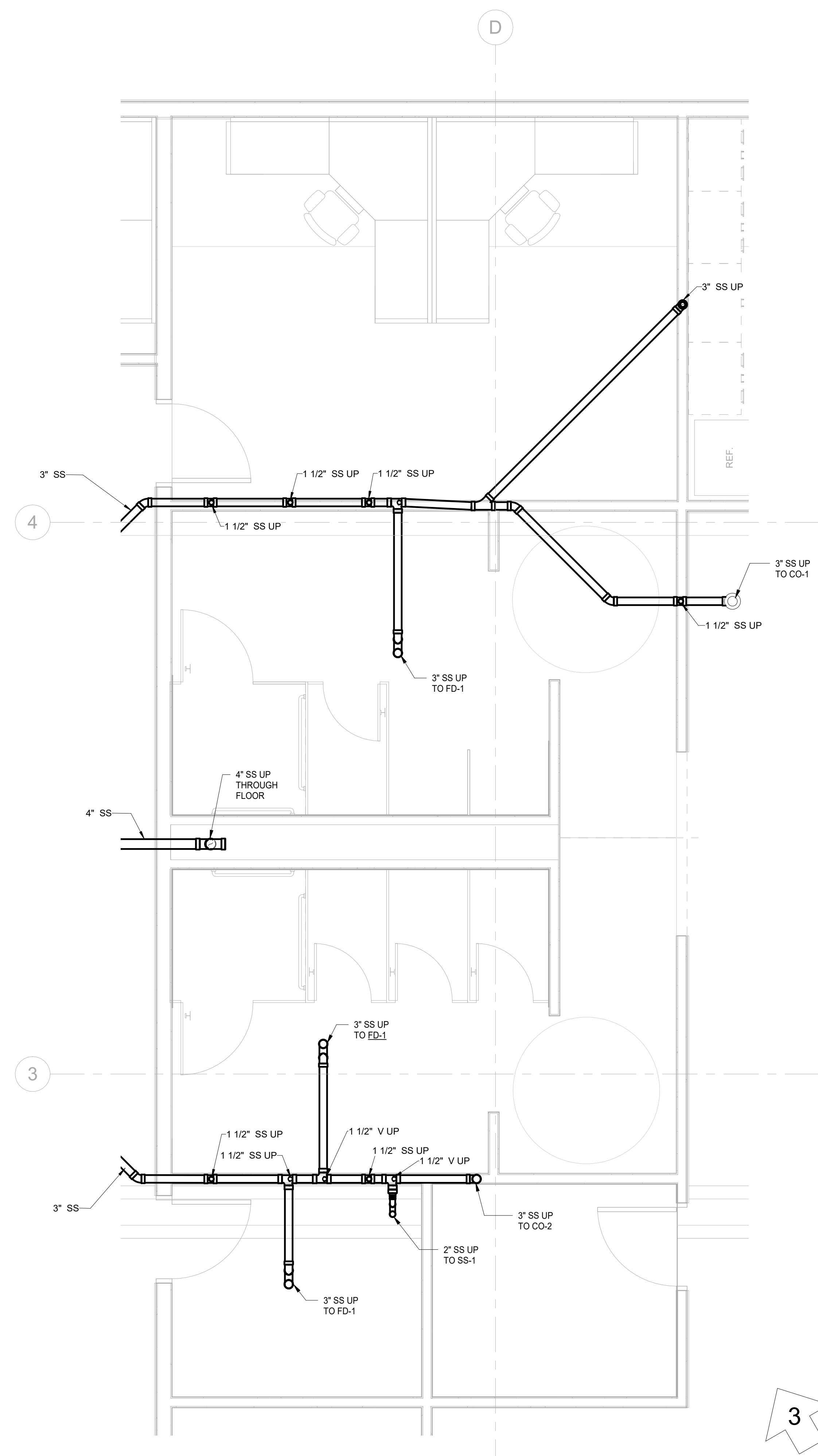
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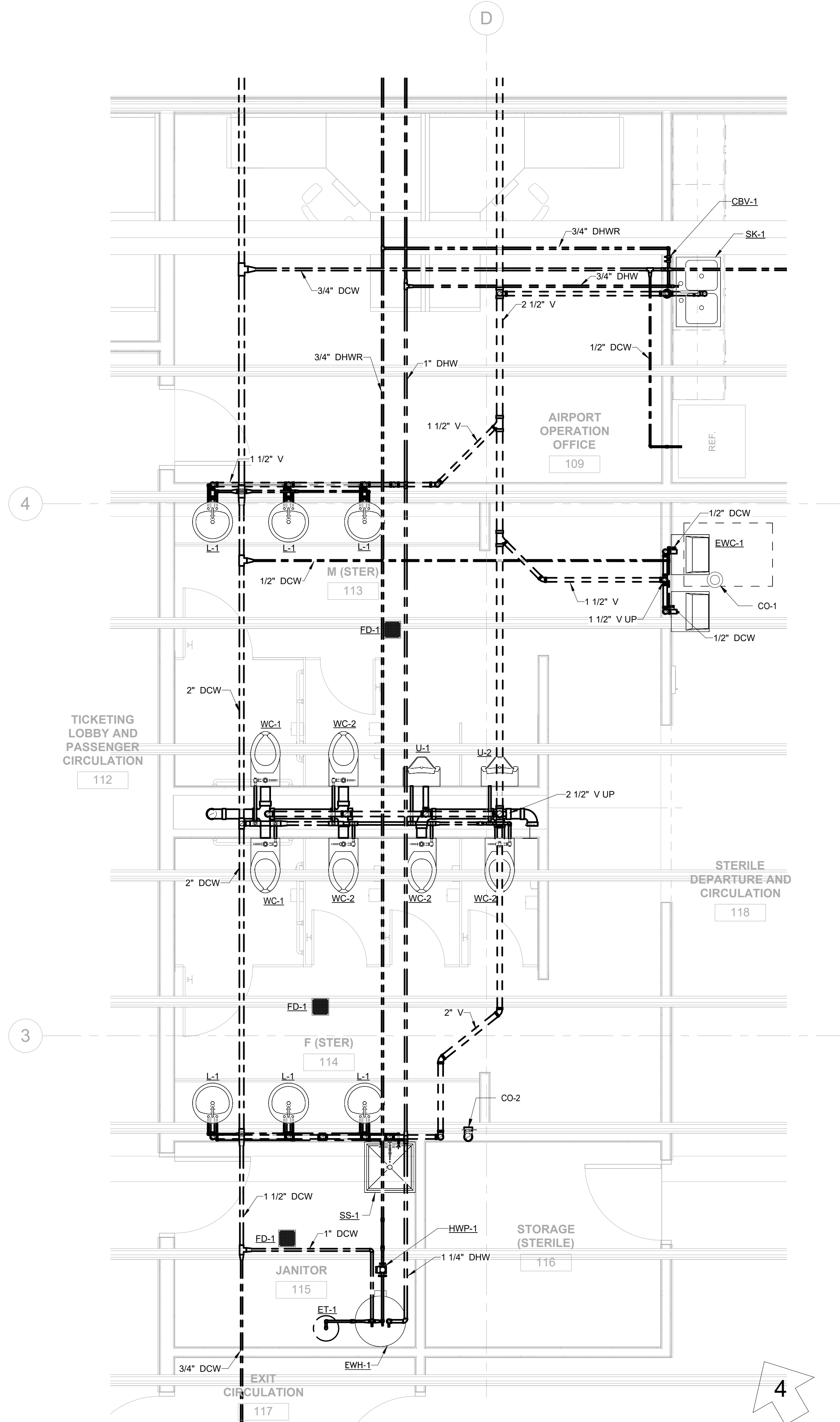
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PP411 SCALE: 3/8" = 1'-0"



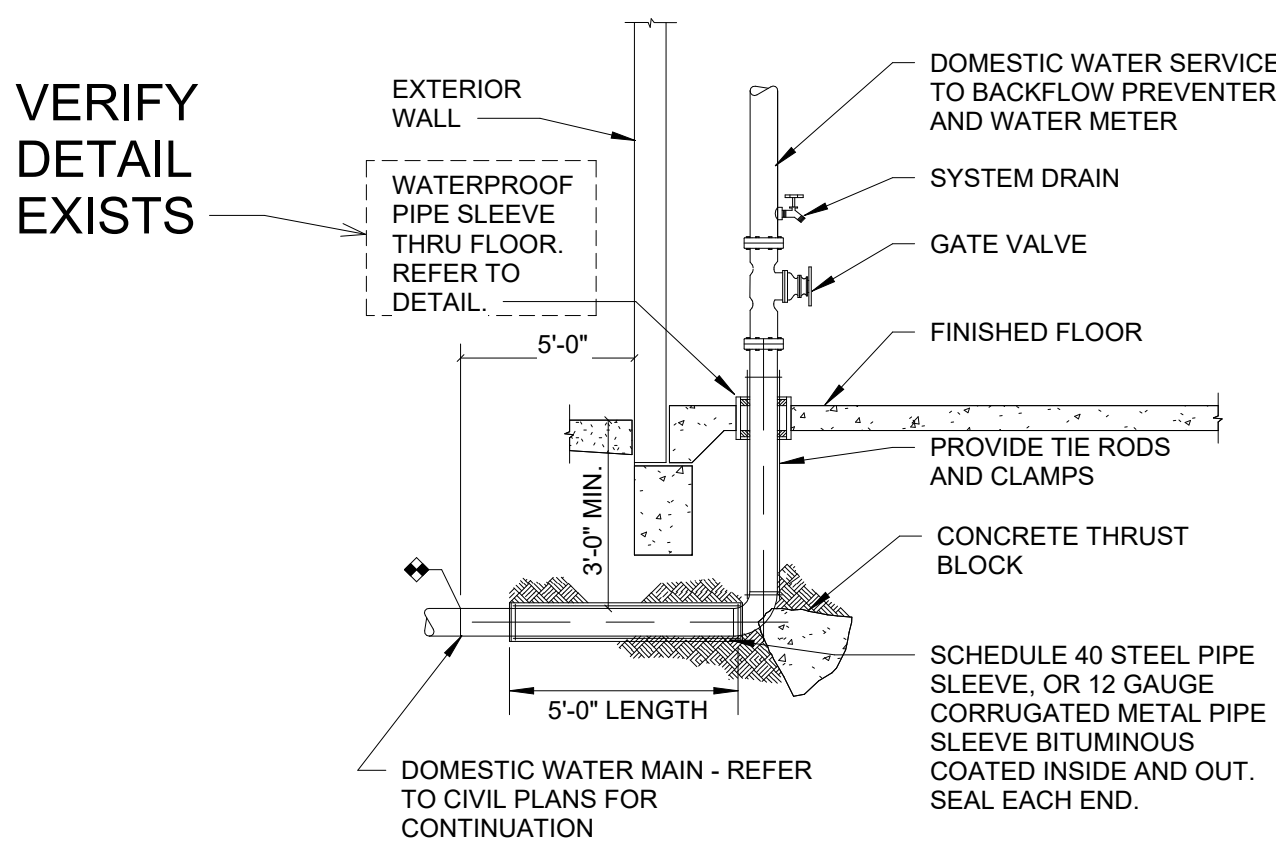
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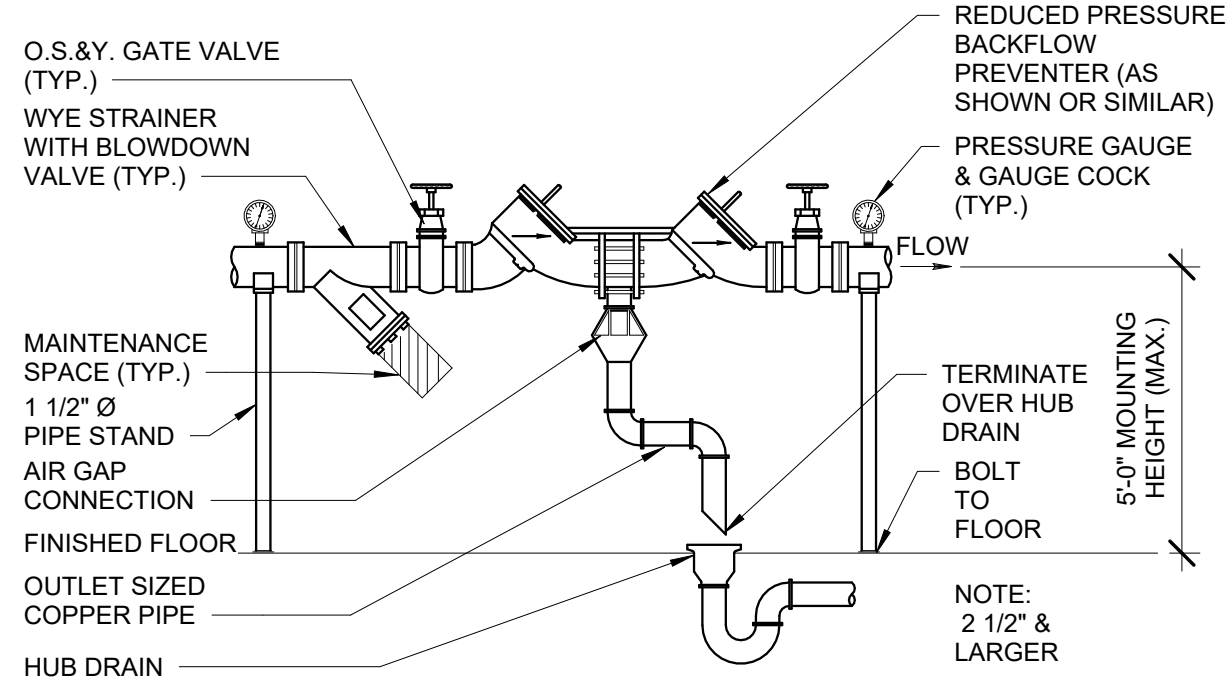
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PP412 SCALE: 3/8" = 1'-0"



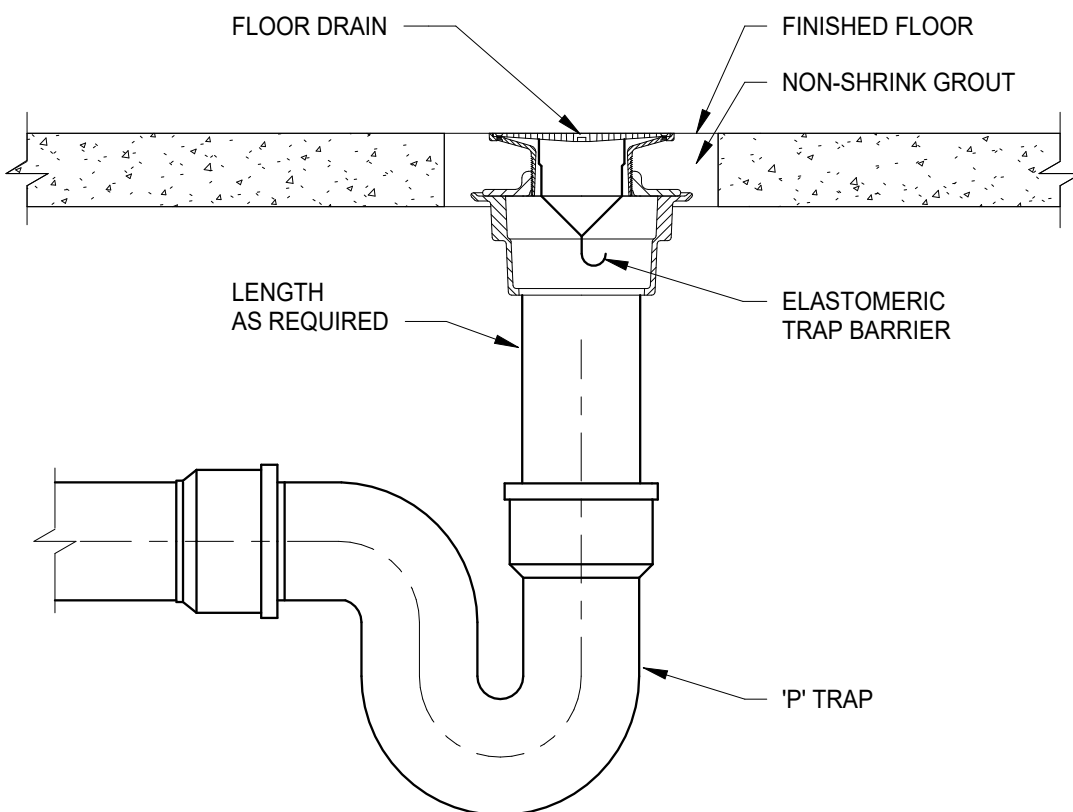
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PP412 SCALE: 3/8" = 1'-0"



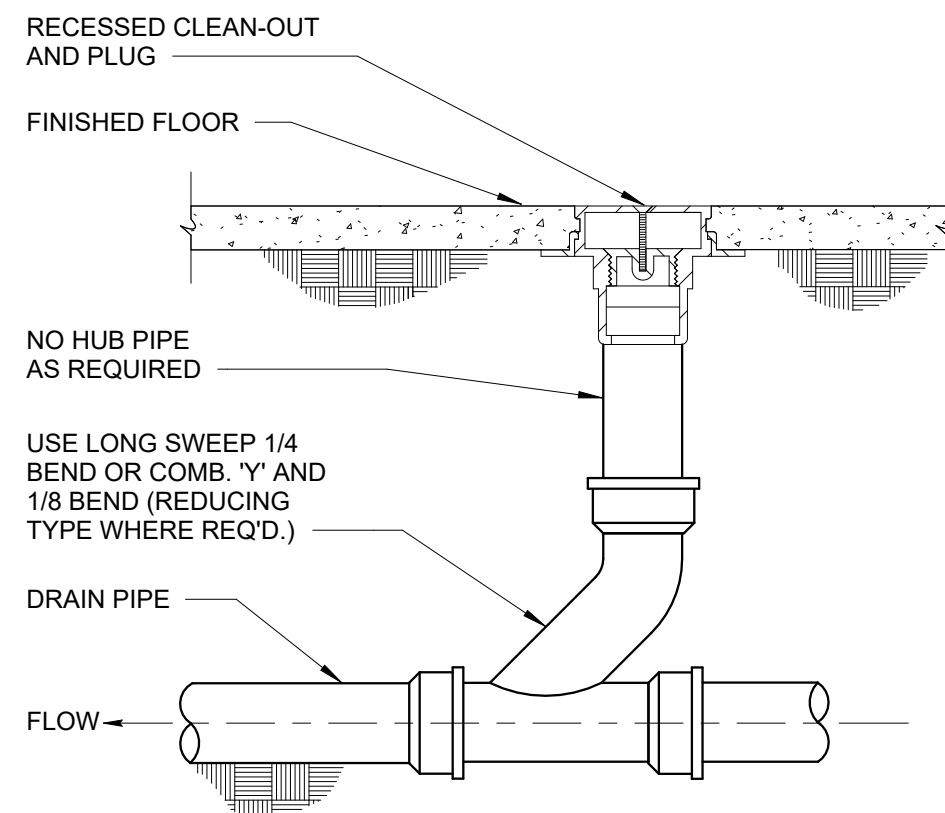
1 DOMESTIC WATER SERVICE ENTRANCE
PP501 NTS



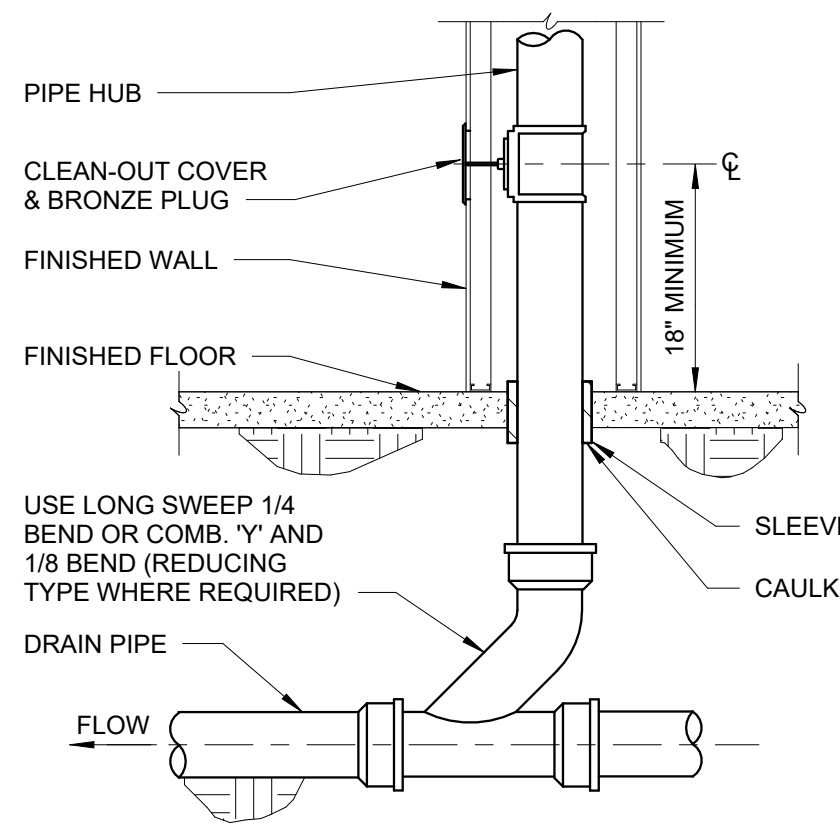
X REDUCED PRESSURE BACKFLOW PREVENTER
PP501 NTS



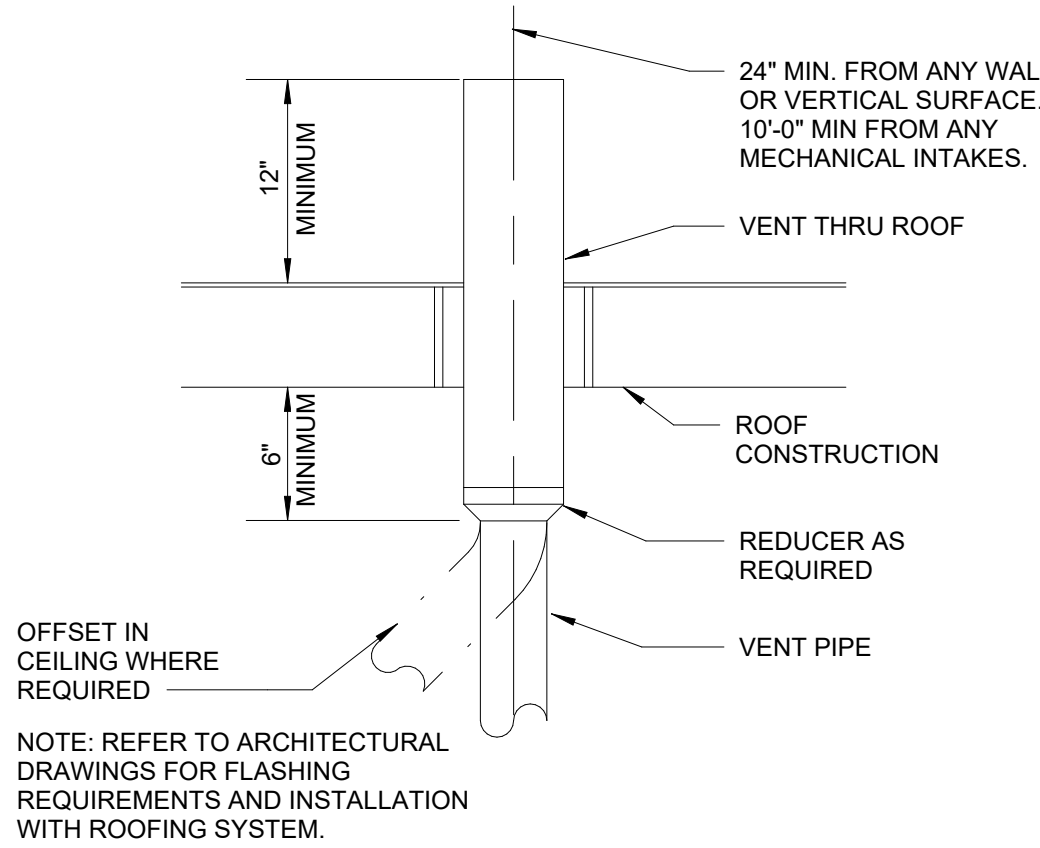
2 FLOOR DRAIN WITH TRAP GUARD
PP501 NTS



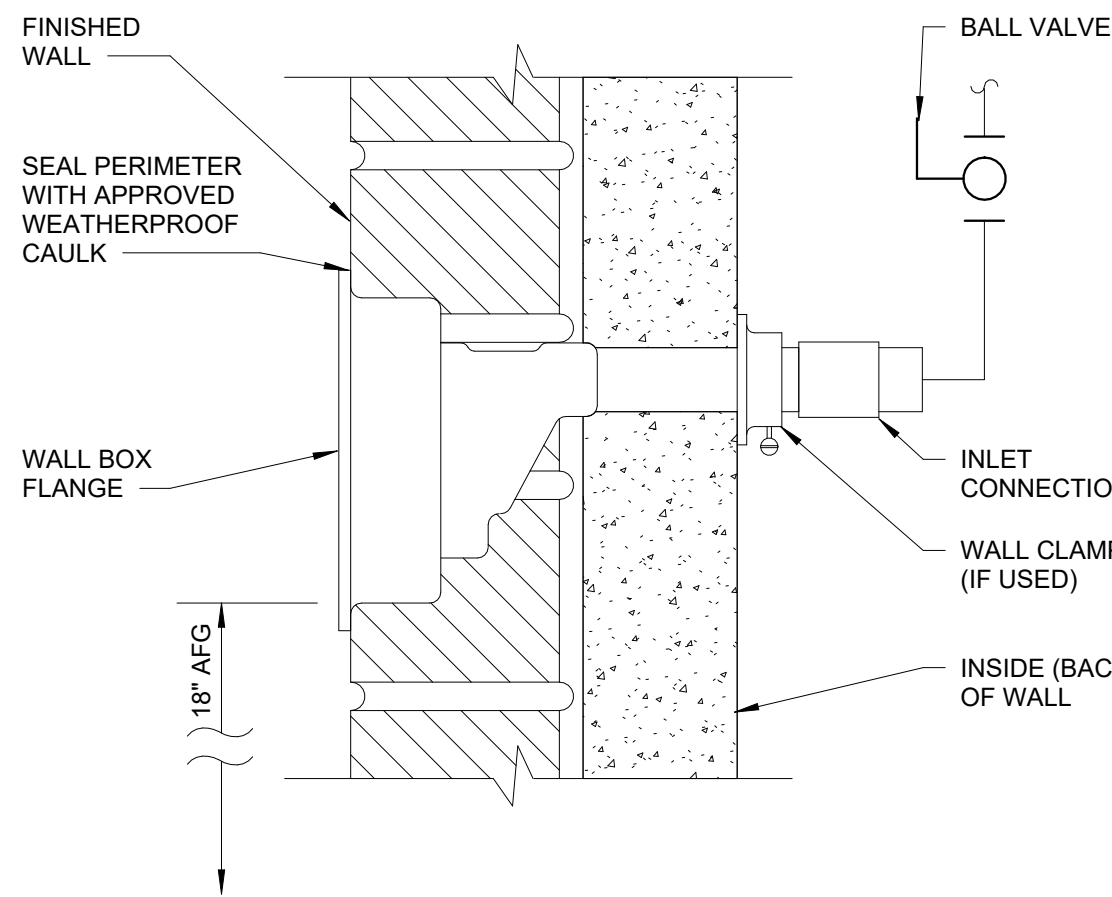
3 FLOOR CLEANOUT
PP501 NTS



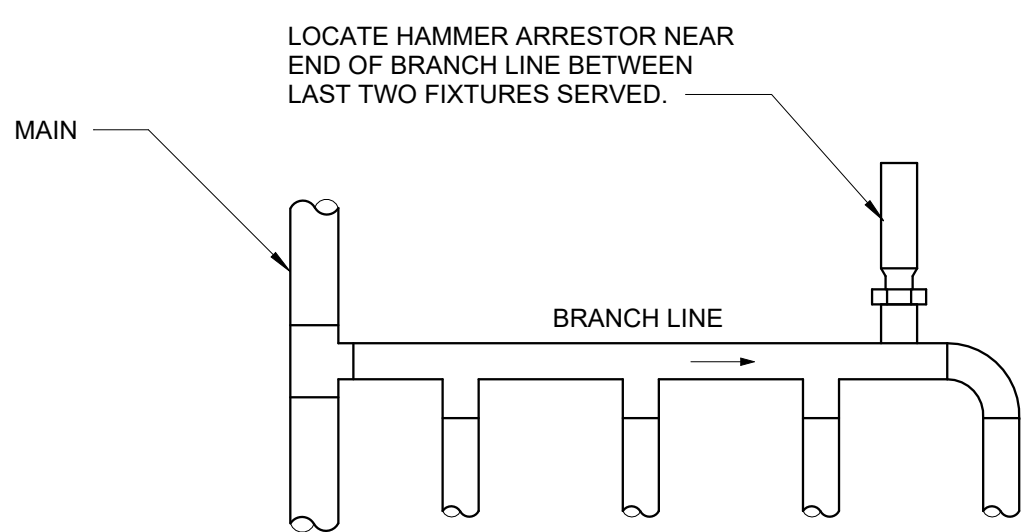
4 WALL CLEAN-OUT (WCO)
PP501 NTS



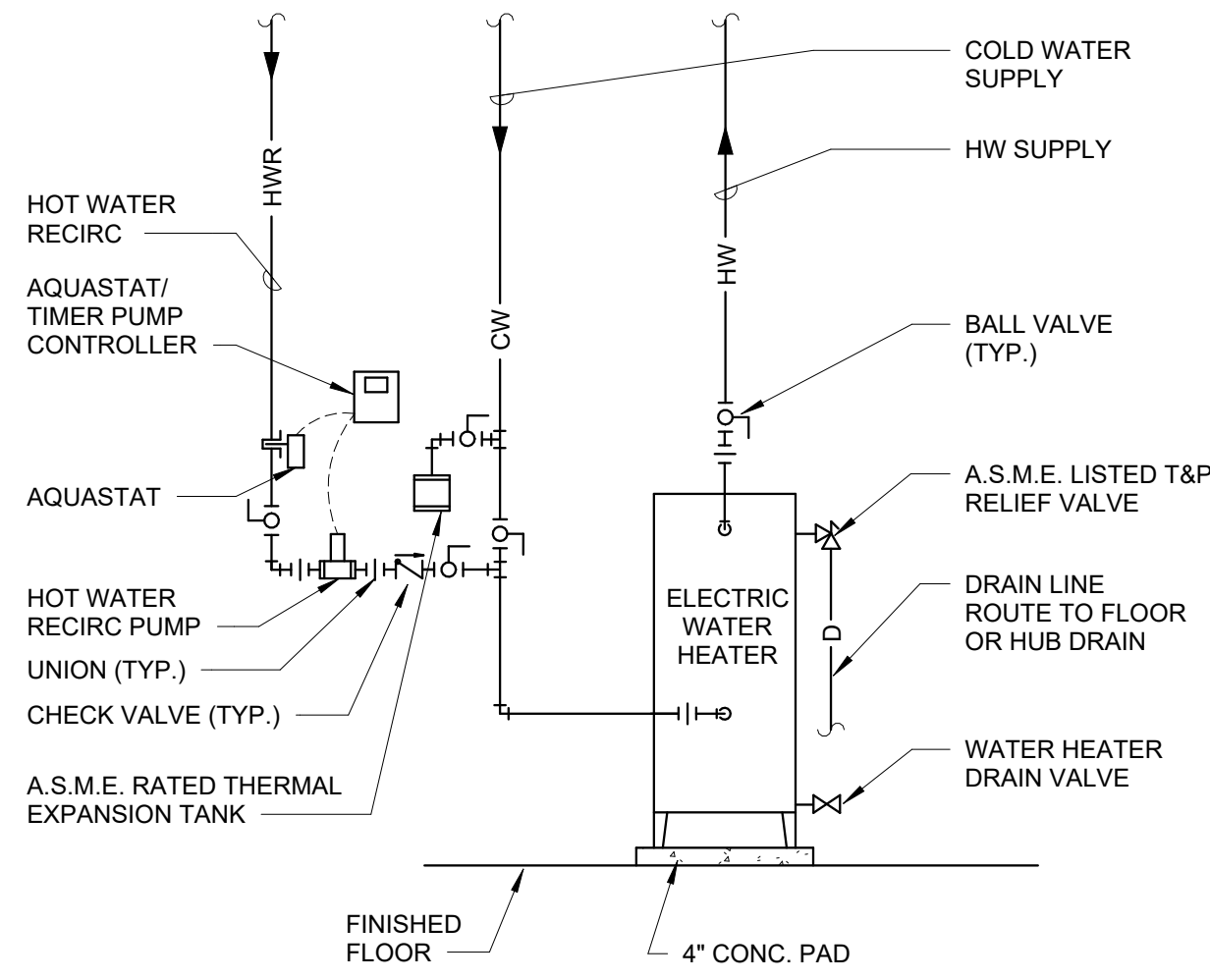
5 VENT THROUGH ROOF
PP501 NTS



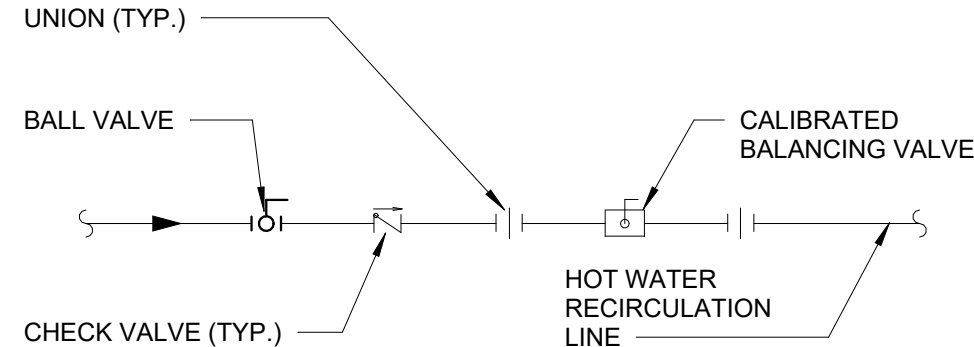
6 FREEZEPROOF WALL HYDRANT
PP501 NTS



7 WATER HAMMER ARRESTOR
PP501 NTS



8 ELECTRIC WATER HEATER PIPING
PP501 NTS



9 BALANCING VALVE ASSEMBLY
PP501 NTS

PLUMBING DETAILS
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542

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REVISION INFORMATION				DESCRIPTION
REV	BY	CHK	DATE	REVISION OR REF
0	BTC	DAK	06/12/2024	ISSUED FOR RFD

PP501

FILE NO: 3110648

Drawing Set: 11
 Project: PLUMBING SCHEDULES
 Drawing: PLUMBING SCHEDULES
 Title: Date: 8/6/2024 7:28:52 AM
 Revision: 3138462110646_GSHT_11_01.dwg

WATER HEATER SCHEDULE													
EQUIPMENT TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	RATED CAPACITY (GAL)	LOCATION	RECOVERY RATE (GPH @ 120°F RISE)	RECOVERY RATE (GPH @ 90°F RISE)	WEIGHT (LBS)	WATER CONNECTION SIZE (IN.)	ELECTRIC DATA			REMARKS
										AMPS	KW	V/PH	
EWB-1	ELECTRIC WATER HEATER	LOCHINVAR	LDT-50-TN	55	JAN. 115	19	22	145	3/4	38.0	5.5	208/1	1,2,3
REMARKS/ ACCESSORIES: 1. PROVIDE DRAIN PAN. 2. PROVIDE PRESSURE AND TEMP RELIEF VALVE 3. OR APPROVED EQUAL													

PUMP SCHEDULE										
EQUIPMENT TAG	SERVICE	MANUFACTURER / MODEL NO.	TYPE	GPM	HEAD (FT.)	WATTS	F.L. AMPS	RPM	V/P/HZ	REMARKS
HWP-1	DOMESTIC HOT WATER	BELL & GOSSETT / NBF-22U	INLINE CIRCULATION PUMP	10	8.5	92	0.8	2940	115/1/60	1,2
REMARKS: 1. PROVIDE BRONZE UNION CONNECTORS 2. PROVIDE AUTOMATIC TIMER AND AQUASTAT. 3. OR APPROVED EQUAL										

WATER HAMMER ARRESTOR SCHEDULE			
EQUIPMENT TAG	FIXTURE UNIT CAPACITY	CONNECTION SIZE	REMARKS
TYPE A	1-11	3/4"	1,2,3
TYPE B	12-32	1"	1,2,3
TYPE C	33-60	1"	1,2,3
TYPE D	61-113	1"	1,2,3
REMARKS: 1. TESTED AND CERTIFIED BY PDI WH-201. 2. INSTALL PER MANUFACTURER'S INSTRUCTIONS. 3. PROVIDE STAINLESS STEEL PISTON TYPE WATER HAMMER ARRESTORS AT ALL FAST CLOSING VALVES, AS A MINIMUM AT WATER CLOSETS AND TOILET GROUPS AND AT SINKS ON HOT AND COLD WATER LINES. SIZE SHOCK ARRESTORS PER THE PDI SIZING METHOD BASED ON DRAINAGE FIXTURE UNITS. EXAMPLE: 3 WATER CLOSETS = 30 DRAINAGE FIXTURE UNITS = TYPE C, 1" ARRESTOR.			

PLUMBING FIXTURE CONNECTION SCHEDULE							
EQUIPMENT TAG	FIXTURE	C.W.	H.W.	WASTE	VENT	REMARKS	
CBV-1	CALIBRATE D BALANCING VALVE	---	---	---	---	BELL AND GOSSETT CIRCUIT SETTER OR EQUAL, CALIBRATED BALANCING VALVE, LEAD FREE BALL VALVE WITH MEMORY STOP.	
CO-1	CLEANOUT - INTERIOR - FLOOR	---	---	SEE PLAN	---	ZURN ZN1400-K DURA-COATED CAST IRON BODY WITH ANCHOR FLANGE, THREADED TOP ASSEMBLY, AND ROUND GASKETED SCORED COVER IN SERVICE AREAS AND ROUND GASKETED DEPRESSED COVER FOR FLOOR FINISH IN FINISHED AREAS. PROVIDE CARPET MARKER WHERE REQ.	
CO-2	CLEANOUT - WALL	---	---	SEE PLAN	---	ZURN ZN1443-BP SQUARE STAINLESS STEEL ACCESS COVER AND FRAME SECURED WITH MACHINE SCREWS WITH CAST IRON BODY, ROUND NO-HUB CLEANOUT WITH BRASS PLUG.	
ECO	CLEANOUT - EXTERIOR	---	---	SEE PLAN	---	ZURN ZN-1400-HD ROUND, CAST NICKEL BRONZE ACCESS FRAME, WITH VANDAL-PROOF SCREWS.	
ET-1	THERMAL EXPANSION TANK	3/4"	---	---	---	AMTROL THERM-X-TROL ST-5C, PROVIDE WITH MINIMUM 2 GAL TANK VOLUME, 0.9 GAL ACCEPTANCE VOLUME, FACTORY PRE-CHARGE 55 PSIG, ASME RATED, 150 PSIG WORKING PRESSURE.	
EWB-1	ELECTRIC WATER COOLER HIGH LOW	1/2"	---	1 1/4"	1 1/4"	ELKAY EMABFTL8WSLK SURFACE-MOUNTED BARRIER-FREE BLEVEL ELECTRIC WATER COOLER, BOTTLE FILLING STATION, STAINLESS STEEL TOP, 3-SIDE EASY TOUCH CONTROLS, FLEXIBLE HOODED STREAM PROTECTOR AND FLOW LIMITER, LEAD FREE WATERWAYS, 8.0 GPM OF 50 DEGREE WATER, 370 WATTS, POWER PLUG, 115-1-60.	
FD-1	FLOOR DRAIN	---	---	3"	2"	ZURN Z415B-VP DURA-COATED CAST IRON, 2 PIECE BODY FLOOR DRAIN WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, ROUND ADJUSTABLE NICKEL-BRONZE STRAINER WITH VANDAL-PROOF SCREWS, PROVIDE WITH ELASTOMERIC BARRIER-TYPE TRAP SEAL PROTECTION DEVICE CONFORMING TO ASSE 1072.	
L-1	LAVATORY WALL HUNG 20 X 18 ADA COMPLIANT	1/2"	1/2"	1 1/4"	1 1/4"	ZURN Z5114 VITREOUS CHINA LAVATORY, COUNTERTOP, 20 X 17 INCH MINIMUM, 4" CENTERS, SELF RIMMING FRONT OVERFLOW, ADA COMPLIANT. ZURN Z8800 SERIES STOP WITH FLEXIBLE SUPPLIES; Z8746-PC ADA GRID STRAINER; Z8700 SERIES P-TRAP; Z8946-3-NIT ADA TRAP, STOP AND SUPPLY PROTECTORS FOR OFFSET GRID STRAINERS, ZURN Z8915-XL AQUASENSE BATTER POWERED FAUCET.	
SA-A-D	SHOCK ARRESTER	---	---	---	---	ZURN Z1700 SERIES STAINLESS STEEL CONSTRUCTION ARRESTER, BELLOWS TYPE, SIZED PER PDWH-201, PRE-CHARGED, OPERATING TEMPERATURE RANGE OF -100 TO 300 DEGREES, MAXIMUM 250 PSI WORKING PRESSURE.	
RPZBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	2 1/2"	---	---	---	WATTS LF909-DNRS-FS 2 1/2" CAST IRON BODY REDUSED PRESSURE ZONE BACKFLOW PREVENTER WITH EXPOXY COATING, NRS VALVES, FLOOD SENSOR AND TOP MOUNTED TEST COCKS.	
SK-1	SINK STAINLESS COUNTER TOP 33 X 21 DOUBLE COMPARTM ENT	1/2"	1/2"	2"	1 1/4"	ELKAY LR-3322 TYPE 302 STAINLESS STEEL SINK, DOUBLE COMPARTMENT, 18 GAGE, 33 X 22 X 7 7/8" OUTSIDE DIMENSION, SELF-RIMMING, UNDERCOATING, 3 HOLE, GRID STRAINER AND TAILPIECE, ADA COMPLIANT; ELKAY LK6000 1.5 GPM SINGLE HOLE DECK FAUCET WITH PULL-DOWN SPRAY, INCLUDE ESCUTCHEON COVER PLATE	
SS-1	SERVICE SINK FLOOR BASIN CORNER	1/2"	1/2"	3"	1 1/2"	STERN-WILLIAMS SBC-1700 CORNER MODEL MOLDED STONE SINK, FLOOR BASIN, 24 X 24 X 12" HIGH BOWL, 6" DROP FRONT, STAINLESS STEEL CAP AND CHROME PLATED STRAINER, 12" HIGH STAINLESS STEEL TWO WALL SPLASH PANELS, SYMMONS T-15-V8 WALL TYPE COMBINATION SUPPLY WITH POLISHED CHROME FINISH, SPOUT WALL BRACE, VACUUM BREAKER, HOSE END SPOUT, PROVIDE WALL MOUNTED MOP RACK.	
U-1	URINAL 0.5 GPF ADA COMPLIANT	3/4"	---	3"	1 1/2"	SLOAN SU-1009 VITREOUS CHINA WASHDOWN URINAL, ADA COMPLIANT, TOP SPUD INLET, VANDEL RESISTANT STRAINER, USE MANUFACTURER'S SUGGESTED CARRIER, SLOAN G2-8186-5-CO SENSOR FLUSHOMETER, 0.5 GPF, LOW BATTERY FLASHING LIGHT, SHALL HAVE OPERATING PRESSURE AT 15 PSI.	
U-2	URINAL 0.5 GPF	3/4"	---	3"	1 1/2"	SLOAN SU-1009 VITREOUS CHINA WASHDOWN URINAL, ADA COMPLIANT, TOP SPUD INLET, VANDEL RESISTANT STRAINER, USE MANUFACTURER'S SUGGESTED CARRIER, SLOAN G2-8186-5-CO SENSOR FLUSHOMETER, 0.5 GPF, LOW BATTERY FLASHING LIGHT, SHALL HAVE OPERATING PRESSURE AT 15 PSI	
VTR	VENT THRU ROOF	---	---	---	SEE PLAN	OATEY 11910 NO-CAULK VENT THRU ROOF, NON-FADING AND NON-CRACKING RIGID BLACK THERMOPLASTIC BASE, 180 DEGREE RATED CONTINUOUS HEAT.	
WC-1	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED ADA COMPLIANT	1"	---	4"	2"	SLOAN ST-2459 WHITE ELONGATED VITREOUS CHINA WALL-MOUNTED WATER CLOSET, 750 LBS STATIC LOAD RATING, BEMIS SEAT 1955CT-000, USE MANUFACTURER'S SUGGESTED CARRIERS. SLOAN SOLIS 8111 1.6 BATTERY OPERATED FLUSH VALVE. FLUSH VALVE SHALL HAVE OPERATING PRESSURE AT 15 PSI	
WC-2	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED	1"	---	4"	2"	SLOAN ST-2459 WHITE ELONGATED VITREOUS CHINA WALL-MOUNTED WATER CLOSET, 750 LBS STATIC LOAD RATING, BEMIS SEAT 1955CT-000, USE MANUFACTURER'S SUGGESTED CARRIERS. SLOAN SOLIS 8111 1.6 BATTERY OPERATED FLUSH VALVE. FLUSH VALVE SHALL HAVE OPERATING PRESSURE AT 15 PSI	
WH-1	WALL HYDRANT	3/4"	---	---	---	ZURN Z1300 CAST BRONZE NON-FREEZE WALL HYDRANT WITH -HANDLE, CHROME PLATED ROUGH CAST BRONZE BOX, HINGED LATCHING COVER, BRONZE CASTING, NEOPRENE PLUNGERS, REMOVABLE NYLON SEATS, REMOVABLE BRONZE OPERATING PARTS, 3/4" FEMALE AND 1" MALE NPT, INLET CONNECTION FOR COLD WATER AND A 3/4" NPT OUTLET , MOUNT 24" ABOVE FINISHED GRADE.	

NOTE:
 1 ALL EQUIPMENT MODEL DESIGNATIONS ARE OR APPROVED EQUAL.

PLUMBING SCHEDULES
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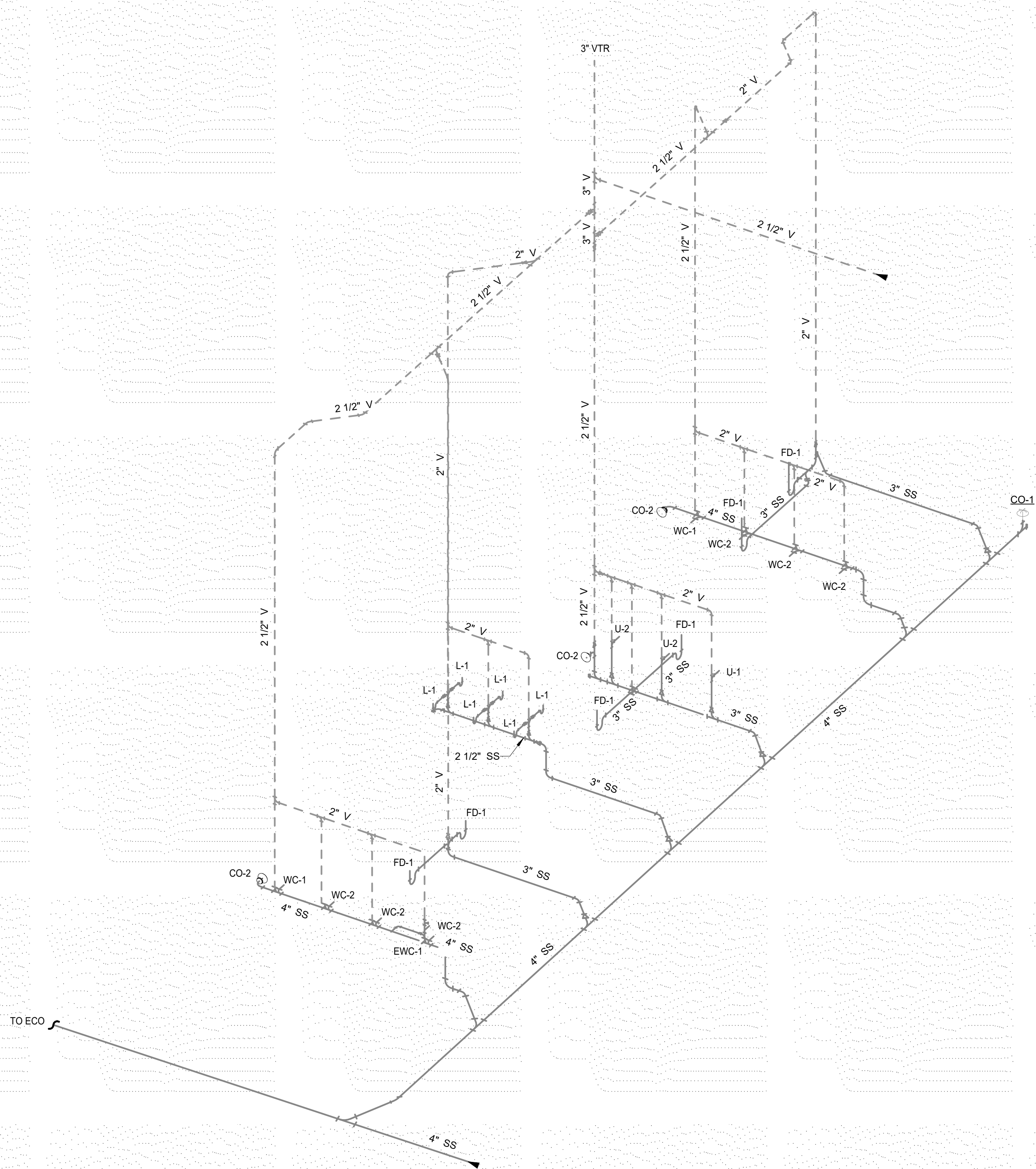
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0		ETC	DAK	08/01/2024

PP601

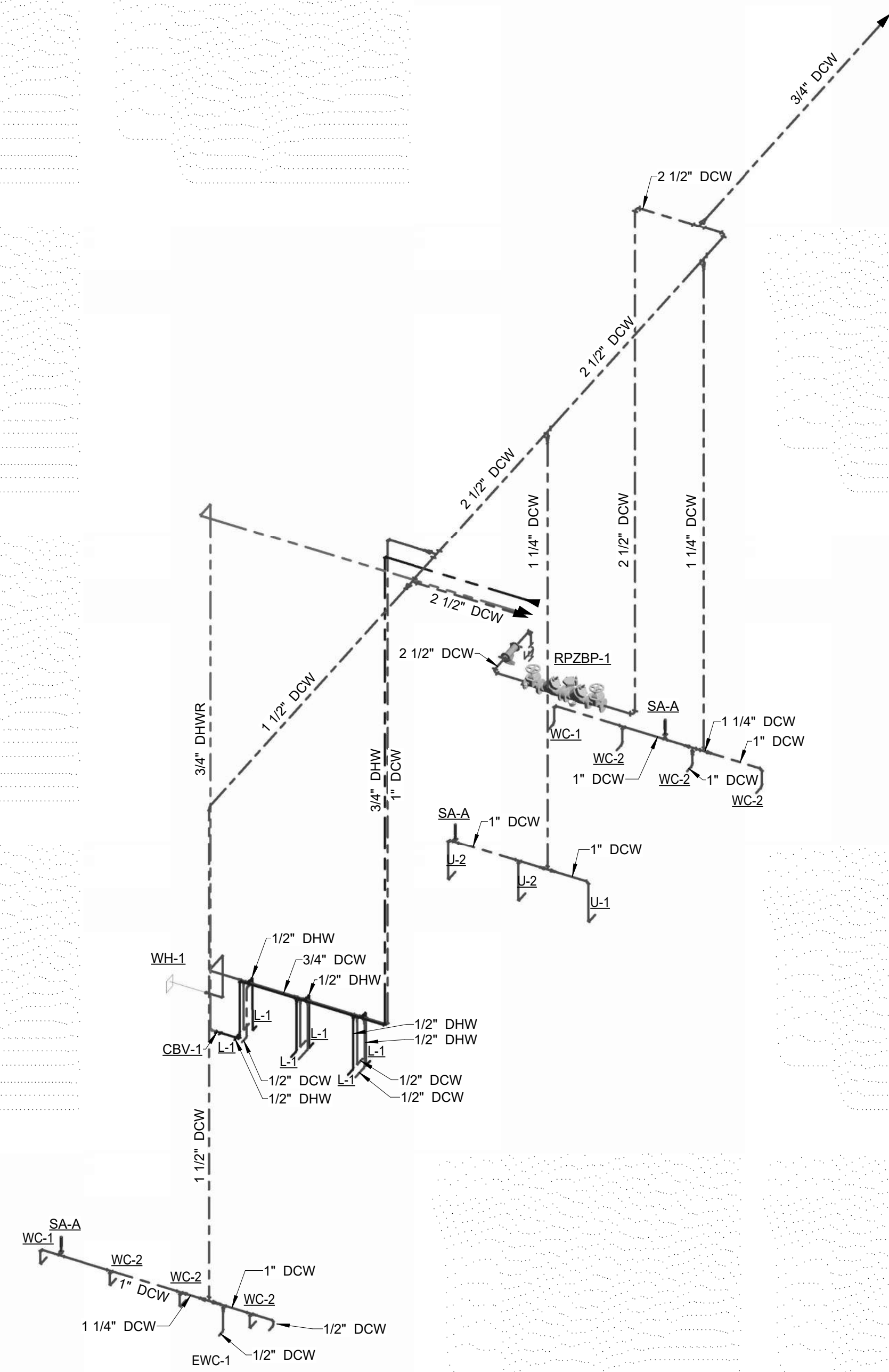
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Drawn by: PP801
Checked by: PP801
Date: 08/08/2024
Time: 10:00 AM



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NTS

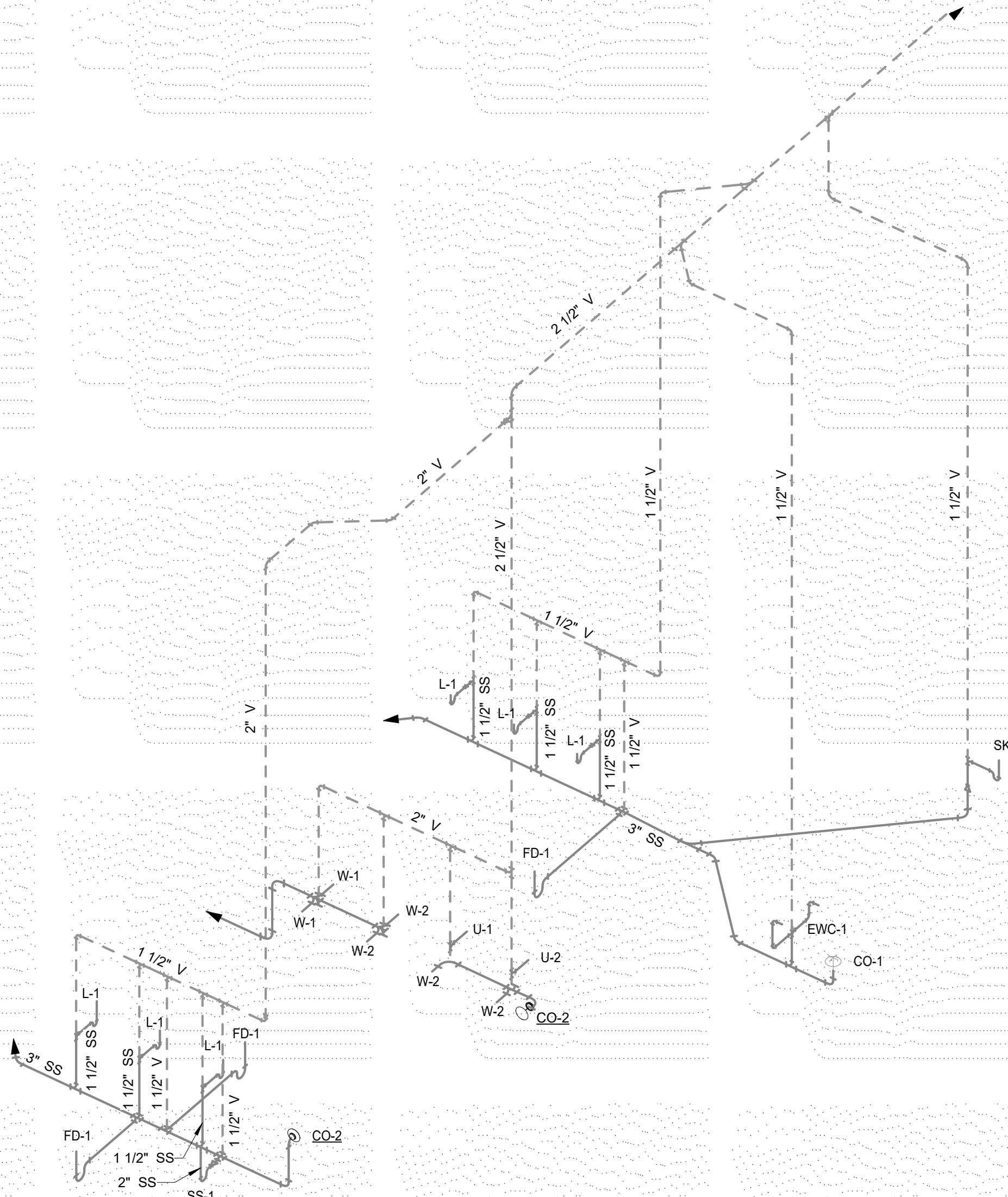


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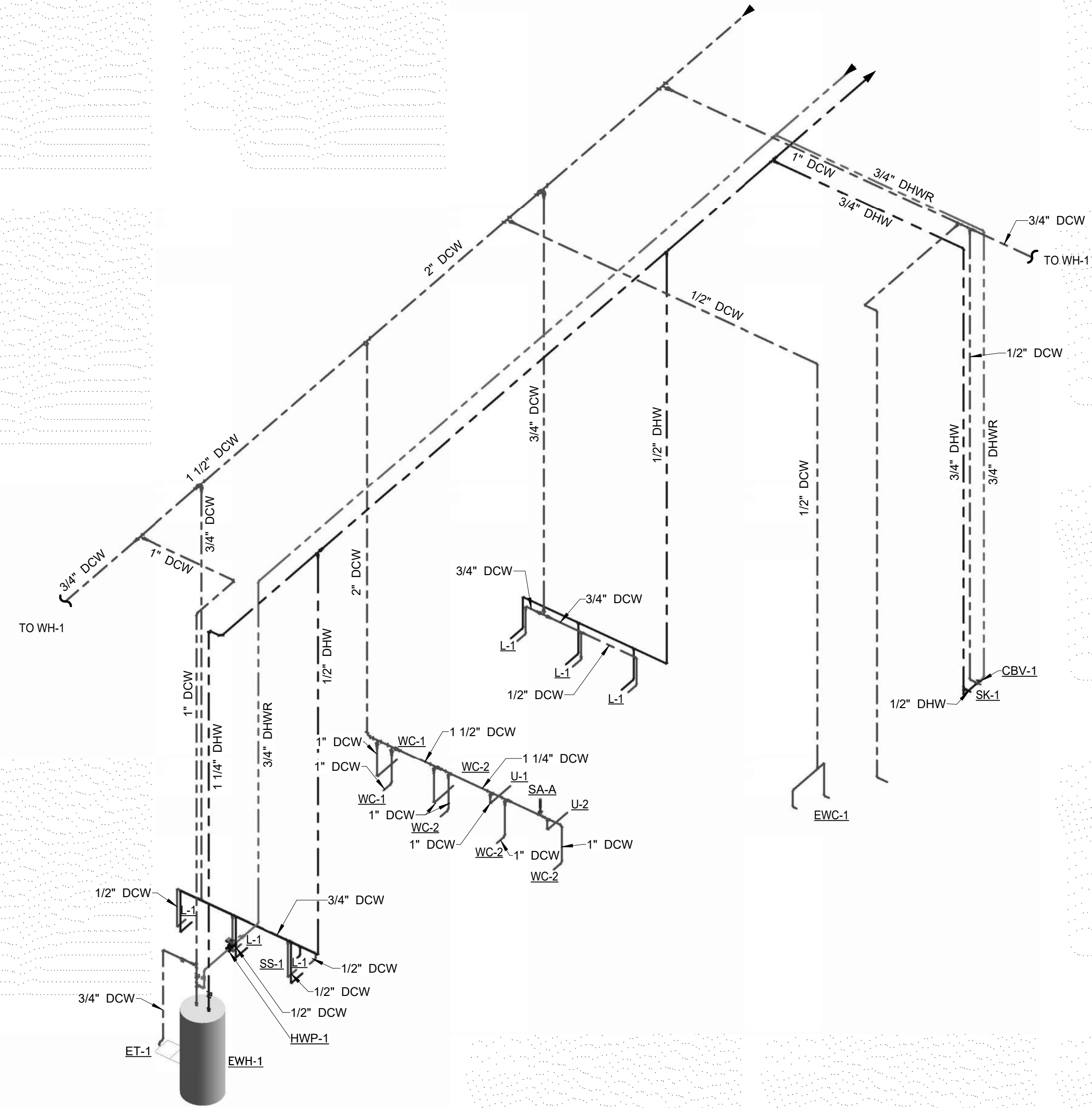
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Checked by: J. B. P. PLUMBING ISOMETRICS
Title: Gulf Shores New Terminal
Date: 06/04/2024 1:20:12 AM
Project: 3110648

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PP802 NTS



2 PLUMBING ISOMETRIC - 4
PP802 NTS

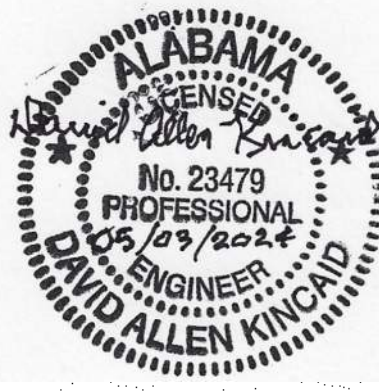


REVISION INFORMATION				DESCRIPTION
REV	DATE	BY	CHK	
0	06/04/2024	PP802	PP802	ISSUED FOR BID

PP802

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PLUMBING ISOMETRICS
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POWER

	SURFACE MOUNTED FLOOR BOX W/ NEMA 5-20 DUPLEX RECEPTACLE UNLESS NOTED OTHERWISE
	SURFACE MOUNTED FLOOR BOX W/ NEMA 5-20 QUAD RECEPTACLE UNLESS NOTED OTHERWISE
	SURFACE MOUNTED FLOOR BOX WITH NEMA 5-20 QUAD RECEPTACLE, COMBINATION TELEPHONE/DATA, AND AV JACKS. REFER TO KEYED NOTE FOR SIZING AND ACCESSORIES.
	NEMA 5-20 DUPLEX RECEPTACLE (FLUSH) MOUNTED 18" AFF UNLESS NOTED OTHERWISE. (AC INDICATES ABOVE COUNTER, GFI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF IN USE COVER.)
	NEMA 5-20 DUPLEX RECEPTACLE (SURFACE) MOUNTED 18" AFF UNLESS NOTED OTHERWISE. (AC INDICATES ABOVE COUNTER, GFI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF IN USE COVER.)
	NEMA 5-20 QUAD RECEPTACLE (FLUSH/SURFACE) MOUNTED 18" AFF UNLESS NOTED OTHERWISE. (AC INDICATES ABOVE COUNTER, GFI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF IN USE COVER.)
	SPECIALTY RECEPTACLE. REFER TO KEYED NOTES FOR ADDITIONAL INFORMATION.
	NEMA 5-20 SIMPLEX RECEPTACLE (FLUSH OR SURFACE) MOUNTED 18" AFF UNLESS NOTED OTHERWISE.
	JUNCTION BOX
	POWER POLE
	MOTOR RATED, 20 AMP, 125 VOLT TOGGLE SWITCH
	SURFACE MOUNTED PANELBOARD. REFER TO PANEL SCHEDULES FOR VOLTAGE CONFIGURATION. CROSS HATCHED AREA IN FRONT OF PANELBOARD INDICATES EXTENT OF WORKING CLEARANCE.
	RECESSED MOUNTED PANELBOARD. LINE INDICATES WALL FACE. REFER TO PANEL SCHEDULES FOR VOLTAGE CONFIGURATION. CROSS HATCHED AREA IN FRONT OF PANELBOARD INDICATES EXTENT OF WORKING CLEARANCE.
	GENERATOR.
	MOTOR, HP NOT INDICATED.
	MOTOR, # INDICATES MOTOR HP, F INDICATES FRACTIONAL HORSEPOWER.
	UNFUSED DISCONNECT SWITCH. SIZE AS INDICATED ON DRAWINGS
	FUSED DISCONNECT SWITCH. SIZE FUSES FOR EQUIPMENT BASED ON MANUFACTURERS RECOMMENDATIONS
	COMBINATION STARTER / DISCONNECT SWITCH. SIZE FOR EQUIPMENT BASED ON MANUFACTURERS RECOMMENDATIONS
	BREAKER
	DRAWOUT BREAKER
	CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP OVER BREAKER
	FRAME SIZE. SOLID STATE TRIP FEATURES SHOWN: L = LONG DELAY S = SHORT DELAY I = INSTANTANEOUS
	CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP OVER BREAKER
	FRAME SIZE. SOLID STATE TRIP FEATURES SHOWN: L = LONG DELAY S = SHORT DELAY I = INSTANTANEOUS G = GROUND FAULT
	MINI POWER ZONE PANELBOARD
	TRANSFORMER (PLAN VIEWS)
	CURRENT TRANSFORMER (SHOWN AROUND FEEDER)
	POTENTIAL TRANSFORMER (NUMBER INDICATES QUANTITY)
	TRANSFORMER. "V1" INDICATES PRIMARY VOLTAGE, "V2" INDICATES SECONDARY VOLTAGE, "TX" INDICATES THE TRANSFORMER NAME, "XX KVA" IS THE TRANSFORMER RATING.
	DIGITAL POWER METER. "A" INDICATES AMMETER ON CTS FOR FEEDER BREAKER
	METER
	AMMETER
	VOLTMETER
	KILOWATT METER
	FUSE
	SURGE PROTECTION DEVICE
	PULL BOX. SUPERScript DENOTES TYPE OF PULL BOX: C - COMMUNICATION, P - POWER, F - FIBER OPTIC, L - LIGHTING CIRCUIT.
	VOLTMETER SWITCH
	AMMETER SWITCH
	KIRK KEY
	VARIABLE FREQUENCY DRIVE
	PANEL BOARD
	SINGLE POLE SWITCH
	CONTROL PANEL
	OVERLOAD SWITCH
	MCC
	STARTER. REFER TO SCHEDULE FOR ADDITIONAL STARTER OPTIONS
	TERMINAL BLOCK
	GROUND ROD/CONNECTION
	POLE BASE 20" DIAMETER
	ENCLOSED CIRCUIT BREAKER
	TRANSFER SWITCH
	THERMOSTAT

LIGHTING

	2" x 2" "LED" FIXTURE RECESS OR SURFACE. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	1" x 4" "LED" FIXTURE RECESS OR SURFACE MOUNTED. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	2" x 4" "LED" FIXTURE RECESS OR SURFACE MOUNTED. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	SURFACE OR PENDENT MOUNTED LED STRIP FIXTURE. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	LED INDUSTRIAL FIXTURE SUSPENDED FROM CEILING. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	WALL MOUNTED LED EMERGENCY FIXTURE. THE LETTER "A" INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER. THE LETTER "A" INDICATES ZONE, AND "PNL-XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.
	RECESSED LED DOWNLIGHT. LETTER INDICATES TYPE PER FIXTURE SCHEDULE. "E" INDICATES CONNECT TO EMERGENCY POWER SOURCE, BATTERY BACK-UP, OR INVERTER.
	POLE MOUNTED LED SITE LIGHTING FIXTURE, LETTER INDICATES TYPE PER FIXTURE SCHEDULE.
	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, SHADED AREA REPRESENTS FACE OF SIGNAGE, CEILING MOUNTED.
	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, SHADED AREA REPRESENTS FACE OF SIGNAGE, WALL MOUNTED.
	BATTERY OPERATED EMERGENCY LIGHT FIXTURE/ ASSOCIATED REMOTE EMERGENCY LIGHT FIXTURE
	COMBINED BATTERY-POWERED EMERGENCY LIGHT AND ILLUMINATED EXIT SIGN
	20 AMP, 125 VOLT TOGGLE SWITCH MOUNTED 42" AFF. LETTER INDICATES SWITCHING CIRCUIT AS REQUIRED.
	3-WAY, 20 AMP, 125 VOLT TOGGLE SWITCH MOUNTED 42" AFF. LETTER INDICATES SWITCHING CIRCUIT AS REQUIRED.
	LOW VOLTAGE TOGGLE SWITCH WITH OCCUPANCY/ VACANCY SENSOR. LETTER INDICATES SWITCHING CIRCUIT AS REQUIRED.
	LOW VOLTAGE TOGGLE SWITCH CONTROLLED BY CEILING MOUNTED OCCUPANCY/VACANCY SENSOR. LETTER INDICATES SWITCHING CIRCUIT AS REQUIRED.
	LOW VOLTAGE CEILING MOUNTED OCCUPANCY/ VACANCY SENSOR. COORDINATE SENSOR TYPE WITH ROOM GEOMETRY AND CEILING HEIGHT
	LOW VOLTAGE CEILING MOUNTED OCCUPANCY/ VACANCY SENSOR WITH INTEGRATED DAYLIGHT HARVESTING PHOTOCELL IN SPACES NEAR EXTERIOR WALLS. COORDINATE SENSOR TYPE WITH ROOM GEOMETRY AND CEILING HEIGHT

EQUIPMENT CALLOUT

DP-XX	DISTRIBUTION PANEL. XX INDICATES UNIQUE PANEL NAME.
T-RP-XX	TRANSFORMER. RP-XX INDICATES SECONDARY PANEL NAME.
RP-XX	RECEPTACLE PANEL. XX INDICATES UNIQUE PANEL NAME.
LP-XX	LIGHTING PANEL. XX INDICATES UNIQUE PANEL NAME.
LC-XX	LIGHTING CONTROL PANEL. XX INDICATES UNIQUE PANEL NAME.
FD-XX	FUSED DISCONNECT. XX INDICATES UNIQUE DISCONNECT NAME.
NF-XX	NON-FUSED DISCONNECT. XX INDICATES UNIQUE DISCONNECT NAME.
CS-XX	COMBINATION STARTER. XX INDICATES UNIQUE DISCONNECT NAME.
CP-XX	CONTROL PANEL. XX INDICATES UNIQUE CONTROL PANEL NAME.
VFD-XX	VARIABLE FREQUENCY DRIVE. XX INDICATES UNIQUE CONTROL PANEL NAME.
MP-XX	MINI-POWER ZONE. XX INDICATED UNIQUE PANEL NAME
STR-XX	STARTER. XX INDICATED UNIQUE STARTER NAME
MRS-XX	MOTOR RATED SWITCH. XX INDICATED UNIQUE STARTER NAME
TC-XX	TERMINAL CABINET. XX INDICATED UNIQUE STARTER NAME
PBC-XX	CONTROLS PULLBOX. XX INDICATED UNIQUE STARTER NAME
PBP-XX	POWER PULLBOX. XX INDICATED UNIQUE STARTER NAME

DRAWING

	KEYED NOTE
	ELEVATION IDENTIFIER
	CONDUIT EXPOSED ON CEILING OR WALL
	CONDUIT CONCEALED IN CEILING, WALL, OR FLOOR
	FLEXIBLE CONDUIT

ABBREVIATIONS

A	AMPERE
AC	ABOVE COUNTER / ALTERNATING CURRENT
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPS FRAME
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIM	ADDRESSABLE INPUT MODULE
AL	ALUMINUM
AOM	ADDRESSABLE OUTPUT MODULE
AT	AMPS TRIP
ATS	AUTO TRANSFER SWITCH
AV	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
#C	# OF CONDUCTOR(S)
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION CAMERA
CKT	CIRCUIT
COMM	COMMUNICATIONS
CR	CARD READER
CU	COPPER
DC	DIRECT CURRENT
DIM	DIMENSION
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EW	ELECTRICAL WATER COOLER
FW	FIRE ALARM
FAR	FUSED AS REQUIRED
FE	FURNISHED EQUIPMENT
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
FM	FREQUENCY MODULATION
FS	FLOW SWITCH
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HP	HORSEPOWER
HS	HORN STROBE
HT	HEIGHT
HZ	HERTZ
J	JUNCTION BOX
KAIC	KILOAMPS INTERRUPTING CAPACITY
KVA	KILO-VOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LCP	LIGHTING CONTROL PANEL
LIT	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NF	NON-FUSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OS	OCCUPANCY SENSOR
PH	PHASE
PIR	PASSIVE INFRARED
PIV	PRESSURE INDICATING VALVE
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
RP	RECEPTACLE PANEL
RSFACU	RELEASING SYSTEM FIRE ALARM CONTROL UNIT
RTA	RADIO TRANSMITTER
SEC	SECONDARY
SPD	SURGE PROTECTION DEVICE
SNAC	SUPERVISED NOTIFICATION APPLIANCE CIRCUIT
SS	STAINLESS STEEL
SW	SWITCH
SWBD	SWITCHBOARD
TS	TAMPER SWITCH
TV	TELEVISION/MONITOR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHERPROOF IN USE COVER
WTMB	WALK THROUGH METAL DETECTOR
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

WIRING

	A-21 BRANCH CIRCUIT. PROVIDE CONDUIT AND WIRING AS REQUIRED. ARROW INDICATES HOMERUN TO PANEL A CIRCUIT 21, BY WAY OF EXAMPLE.
	FLEXIBLE CONDUIT CONNECTION XXX = UGP - UNDERGROUND POWER UGS - UG SECONDARY UGE - UG ELEC UGC - UG COMMUNICATIONS P - POWER S - SIGNAL E - ETHERNET D - DIGITAL I/O A - ANALOG I/O COMM - COMMUNICATIONS OH - OVERHEAD
	GROUNDING

GROUNDING

	GROUNDING - 3/4" X 10' COPPER WELD GROUND ROD
	GROUND ROD WITH TEST WELL
	GROUNDING - CONDUCTOR CONNECTION
	GROUND BUS BAR

SYSTEMS

	CARD READER (PROVIDED BY LOUDON UTILITIES) FOR SECURITY SYSTEM MOUNTED AT 52" AFF - PROVIDE BACKBOX, TEMPORARY COVER AND WIRING / RACEWAYS TO SECURITY SYSTEM
	DATA OUTLET MOUNTED 18" AFF UNLESS NOTED OTHERWISE. "XD" INDICATES NUMBER OF CABLES/PORTS. IF NOT INDICATED, STANDARD CONFIGURATION IS 2 CABLE/PORTS.
	WIFI ACCESS LOCATION - PROVIDE 20' OF SLACK CAT6 CABLE COILED UP AT LOCATION FOR CONNECTION BY LOUDON UTILITIES
	AUDIO/VIDEO RACK
	CEILING MOUNTED CLOSED CIRCUIT TELEVISION
	FIRE ALARM CONTROL PANEL - FLUSH/SURFACE MOUNTED
	FIRE ALARM ANNUNCIATOR - FLUSH/SURFACE MOUNTED
	FIRE ALARM PULL STATION
	CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	DUCT SMOKE DETECTOR (IN SUPPLY AND RETURN TYP. 2)
	WALL MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE
	FIRE ALARM BELL
	WALL MOUNTED FIRE ALARM STROBE
	ADDRESSABLE INPUT MODULE
	ADDRESSABLE OUTPUT MODULE
	PRE-ACTION SPRINKLER SYSTEM PRESSURE DETECTOR / SWITCH
	SPRINKLER SYSTEM TAMPER SWITCH
	SPRINKLER SYSTEM FLOW SWITCH
	SPRINKLER SYSTEM POST INDICATOR VALVE SUPERVISORY SWITCH
	SECURITY CAMERA
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	CABLE TRAY DESIGNATION TAG. TYPE INDICATES SERVICE TYPE. ELEV INDICATES ELEVATION OF BOTTOM OF CABLE TRAY, SIZE INDICATES WIDTH OF CABLE TRAY.

1. FURNISH AND INSTALL ALL LABOR, MATERIALS AND EQUIPMENT AND INCLUDE SERVICES AND INCIDENTALS TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
2. INCLUDE ALL WIRING, CONDUIT, JUNCTION BOXES, HANGERS, SUPPORTS AND HARDWARE, LIGHT FIXTURES AND LAMPS, POWER, WIRING DEVICES, WALL SWITCHES, COVER PLATES, OWNER'S EQUIPMENT, PANELBOARD CONNECTIONS, WITH BOLT-ON TYPE BREAKERS (WHEN REQUIRED), CIRCUIT HOOK-UPS, ETC.
3. CONDUIT MINIMUM SIZE 3/4" USING THIRTYTHIN COPPER CONDUCTORS MINIMUM #12 AWG. PROVIDE A GROUND CONDUCTOR IN ALL CONDUITS.
4. CONTRACTOR SHALL NOTE THAT UNKNOWN CONDITIONS EXIST. INCLUDE ALLOWANCES FOR MINOR ADJUSTMENTS TO MEET INTENT OF WORK INVOLVED.
5. VISIT SITE SO AS TO HAVE A FULL UNDERSTANDING OF THE WORK IN CONNECTION WITH SURROUNDING CONDITIONS LOCATED ON SITE PRIOR TO BIDDING.
6. PROVIDE AND INSTALL CODE SIZE GROUND CONDUCTORS IN ALL CONDUIT RUNS, SIZE GROUNDS FOR ALL EQUIPMENT UNLESS NOTED OTHERWISE.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS, FEES AND INSPECTIONS REQUIRED FOR THIS JOB.
8. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL.
9. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES, SPECS AND DRAWINGS AND OWNER'S ENGINEERING AND MAINTENANCE PERSONNEL.
10. WHERE CONFLICTS OCCUR BETWEEN TRADES CONTACT ARCHITECT/ENGINEER FOR RULING.
11. ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.
12. WHERE CONDUIT IS EXPOSED WITHIN PUBLIC SPACES OR PAINTED SPACES PAINT TO MATCH SURROUNDINGS.
13. ALL POWER WIRING SHALL BE COPPER AND CONCEALED IN WALLS, FLOORS, ABOVE CEILING OR WITHIN TRUSS SPACE AND IN APPROVED CONDUIT OR CABLE TRAY.
14. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICES LOCATIONS, MOUNTING HEIGHTS, COLOR, ETC., WITH ARCHITECT/OWNER.
15. CONTRACTOR SHALL COORDINATE LOCATIONS OF SHELVING, COUNTERTOPS, OR OTHER MILLWORK THAT MAY CREATE INTERFERENCES WITH DEVICES LOCATIONS. MAKE ADJUSTMENTS WHEN NECESSARY.
16. VERIFY EXACT MECHANICAL EQUIPMENT TO BE INSTALLED. ADJUST WIRING, CONDUIT, DISCONNECT SIZES AND CONFORM TO NAMEPLATE RATINGS OF ACTUAL EQUIPMENT SELECTED.
17. WHERE CONDUIT RUNS ARE NOT SHOWN BETWEEN DEVICES, CONTRACTOR SHALL DETERMINE ROUTING SUCH THAT DEVICES SHOWN ON SAME CIRCUITS ARE INTERCONNECTED.
18. EXACT LOCATION OF RECEPTABLES/DEVICES SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES, ALL MILLWORK AND ANY OWNER FURNISHED EQUIPMENT. MAKE NECESSARY ALLOWANCES AND ADJUSTMENTS.
19. WHERE OUTLETS OCCUR BACK TO BACK OFFSET A MINIMUM OF 24" TO MINIMIZE SOUND TRANSMISSION AND TO MAINTAIN FIRE RATINGS OF WALL CONSTRUCTION.
20. FIRE SEAL ALL CONDUIT PENETRATIONS OF RATED WALLS.
21. MOUNTING HEIGHTS FOR ALL WALL SWITCHES, AND TELEPHONE DEVICES SHALL MEET THE ADA CODE REQUIREMENTS. INSTALL AT 48" MAX ABOVE FINISHED FLOOR.
22. GFCI PROTECTION SHALL BE PROVIDED ON RECEPTABLES WHERE REQUIRED BY APPLICABLE CODES OR WHERE INDICATED ON DRAWINGS.
23. PANEL BOARD ADHESIVE, PRINTED LABELS (WHITE WITH BLACK LETTERINGS) ON ALL, RECEPTACLE COVERS; DISCONNECT SWITCHES AND PROVIDE SELF'S LABEL SHALL CLEARLY INDICATE CIRCUIT NUMBER AND PANEL.
24. GROUP ADJACENT WIRING DEVICES UNDER A COMMON MULTIGANG FACEPLATE.
25. LABEL ALL ELECTRICAL DEVICES WITH PANEL NAME AND CIRCUIT NUMBER.
26. ALL DEVICE TRIMS, RECEPTABLES, SWITCHES, CONTROL DEVICE, ETC. SHALL BE WHITE.
27. "PROVIDE" IS AN ALL-INCLUSIVE TERM REQUIRING THE CONTRACTOR TO FURNISH, INSTALL, WIRE AND CONNECT ALL SPECIFIED EQUIPMENT AS WELL AS COMPONENTS, ACCESSORIES, AND MOUNTING HARDWARE TO MEET SYSTEM REQUIREMENTS.
28. "INSTALL" SPECIFIES THAT THE CONTRACTOR SHALL INSTALL EQUIPMENT PROVIDED BY OTHERS. THE CONTRACTOR SHALL PROVIDE ALL AUXILIARY EQUIPMENT FOR A COMPLETE INSTALLATION.
29. ALL LIGHTING SHOWN AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM OF 90 MINUTE BATTERY BACKUP. EMERGENCY LIGHTING SHALL BE INSTALLED TO MEET NFPA 101 - LIFE SAFETY CODE AND IBC 2018 MINIMUM EGRESS LIGHTING REQUIREMENTS.
30. PROVIDE A GREEN-INSULATED GROUNDING CONDUCTOR, SIZED PER NEC ARTICLE 250, IN ALL FEEDER AND BRANCH CIRCUIT RACEWAYS.
31. BOND ALL INTERIOR METALLIC PIPING SYSTEMS, INCLUDING NATURAL GAS, IN ACCORDANCE WITH NFPA 70-250 REQUIREMENTS.
32. MAINTAIN A CURRENT SET OF AS-BUILT RECORD DRAWINGS WHICH SHALL BE AVAILABLE FOR REVIEW DURING ENGINEER'S SITE OBSERVATIONS, UPON COMPLETION, PROVIDE RECORD DRAWINGS TO OWNER.

3. REFER TO SHEET E-001 FOR SYMBOL SCHEDULE AND GENERAL NOTES.

4. INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH ALL PERTINENT CODES, REGULATIONS, RULES, AND LAWS OF THE AUTHORITY, AND LOCAL JURISDICTION, AS WELL AS PER PLANS AND SPECIFICATIONS.

5. THE CONTRACTOR SHALL FURNISH ALL LABOR, SERVICES AND MATERIALS NECESSARY TO INSTALL A COMPLETE, AND FUNCTIONAL FIRE ALARM SYSTEM AND BE LICENSED IN THE JURISDICTION FOR FIRE ALARM SYSTEM INSTALLATION. PROVIDE NICET LEVEL FOUR MINIMUM CERTIFICATION FOR SUPERVISORS OF INSTALLATION TEAMS AND COMMISSIONING TECHNICIANS. THE CONTRACTOR SHALL HAVE SUCCESSFULLY INSTALLED A SIMILAR FIRE DETECTOR SYSTEM AND SIGNALING CONTROL COMPONENTS ON A PREVIOUS PROJECT OF COMPARABLE SIZE AND COMPLEXITY.

6. ALL EQUIPMENT AND COMPONENTS SHALL BE THE MANUFACTURER'S CURRENT MODEL. ALL SYSTEM COMPONENTS SHALL BE CATALOGED PRODUCTS OF A SINGLE SUPPLIER. ALL PRODUCTS SHALL BE LISTED BY THE MANUFACTURER FOR THEIR INTENDED PURPOSE.

7. EACH AUTOMATIC OR MANUAL INITIATING DEVICE SHALL BE A SINGLE ADDRESSABLE POINT.

8. MONITORING OF ALL FIRE PUMP CONTROLLERS, POST INDICATOR VALVES, SECTIONAL CONTROL VALVES, SPRINKLER FLOW SWITCHES, AND SPRINKLER VALVE TAMPER SWITCHES SHALL BE PROVIDED. PROVIDE EXTENDED NOTIFICATION APPLIANCES AT THE LOCATION OF ALL SUPPRESSION SYSTEM RISERS. CLOSE COORDINATION WITH THE SPRINKLER SYSTEM DESIGN DOCUMENTS AND THE SPRINKLER SYSTEM CONTRACTOR IS REQUIRED.

9. THE FIRE ALARM VENDOR SHALL PROVIDE MONITORING OF ALL CODE REQUIRED SYSTEMS INCLUDING ALARM, TROUBLE, AND SUPERVISORY SIGNALS.

10. ADDRESSABLE DUCT SMOKE DETECTORS SHALL BE INSTALLED IN ALL AIR HANDLER UNITS AS REQUIRED BY CODE. IN A LOCATION ACCESSIBLE FOR CLEANING AND TESTING, IN A LOCATION APPROVED BY THE HVAC UNIT MANUFACTURERS, AND IN A LOCATION APPROVED BY THE AHI. DUCT SMOKE DETECTORS SHALL BE WIRED TO THE POWER TO LOCAL AIR HANDLING EQUIPMENT MOUNT SO THAT THE DEVICE IS ACCESSIBLE. VERIFY PLACEMENT WITH MECHANICAL TRADERS AND OWNER. BOTH ENDS OF THE SAMPLING TUBE SHALL BE SECURED, AND THE SUPPLY TUBE END CAPPED. PROVIDE DUCT SMOKE DETECTOR AT ALL SMOKE DAMPERS CONFIGURED TO CLOSE THE DAMPER UPON ACTIVATION AND CONNECTED TO THE BUILDING FIRE ALARM SYSTEM. PROVIDE REMOTE INDICATOR/TEST SWITCH UNITS FOR EACH DUCT SMOKE DETECTOR.

11. INCOMING 120VAC 60HZ POWER TO FIRE ALARM PANELS SHALL BE DEDICATED AND EQUIPPED WITH ADDITIONAL SURGE SUPPRESSION SEPARATE FROM THE FIRE ALARM PANEL. PROVIDE A LOCKING BREAKER FOR ALL 120VAC POWER FEEDS TO FIRE ALARM EQUIPMENT AND LABEL IN RED TEXT AS "FIRE ALARM SYSTEM".

12. WHERE MORE THAN TWO STROBES ARE IN THE SAME LINE OF SIGHT, OR IN THE SAME ROOM, THE STROBES SHALL FLASH IN SYNCHRONIZATION. ALL WALL MOUNTED STROBES SHALL BE PLACED 8" TO 96" A.F.F. FROM THE BOTTOM OF THE LENS.

13. LOCATE SMOKE DETECTORS AND HEAT DETECTORS SO AS TO BE ACCESSIBLE FOR TESTING AND MAINTENANCE. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.

14. CONTRACTOR SHALL INSTALL THE NUMBER OF TRANSPONDER PANELS, REMOTE POWER SUPPLIES, AND REMOTE AMPLIFIERS REQUIRED FOR THE ENTIRE PROJECT SCOPE AREA BASED ON THE MOST ECONOMICAL DESIGN.

15. PROVIDE AND INSTALL HARDWARE INTERFACE BETWEEN FIRE ALARM PANEL AND ACCESS CONTROL DOORS TO PROVIDE FOR UNLOCKING AND DOOR RELEASE IN THE EVENT OF A FIRE ALARM.

16. PROVIDE FOR 20% EXPANSION ON ALL ADDRESSABLE LOOPS, VOLUME CIRCUITS, AUDIBLE CIRCUITS, POWER SUPPLIES, AMPLIFIERS, BATTERIES, AND INTERNAL PNEUMATION.

17. PROVIDE AND INSTALL THE REQUIRED INPUT AND OUTPUT CONNECTIONS TO ANCILLARY SYSTEMS. THIS INCLUDES BUT IS NOT LIMITED TO SHUTTING OFF ALL SMOKE MAKING SYSTEMS, PAGING SYSTEMS AND BACKGROUND MUSIC SYSTEMS IN THE EVENT OF AN ALARM CONDITION.

18. ALL EXTERIOR UNDERGROUND WIRING WILL BE RATED AND LISTED FOR OUTDOOR USE AND BE CAPABLE OF BEING SUBMERGED UNDER WATER. SURGE PROTECTION SHALL BE INSTALLED AT EACH END OF ALL EXTERIOR MONITORED DEVICES.

19. ALL FIRE ALARM CABLE WILL BE IN FIRE ALARM LISTED FOR INTENDED USE AND SHALL HAVE ITS LISTING ON THE OUTER JACKET. ALL FIRE ALARM CABLES SHALL HAVE AN OUTER JACKET THAT IS RED IN COLOR. THIS INCLUDES ALL CABLING USED FOR ALL FIRE ALARM DEVICES INCLUDING PYS, SCYS, FLOW SWITCHES, OR ANY OTHER MONITORED POINT CONNECTED TO THE FIRE ALARM SYSTEM. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN CONDUIT FROM DEVICE UP TO THE CEILING SPACE INCLUDING IN WALL INSTALLATIONS. CABLING IN THE CEILING SPACE SHALL BE INSTALLED IN CABLE TRAY OR IN J-HOOKS.

20. FIRE ALARM SYSTEM RISER DIAGRAM IS REPRESENTATIVE AND CONCEPTUAL ONLY. CABLES ARE SHOWN AS EXAMPLE ONLY. RISER DIAGRAM IS PROVIDED FOR A BASIC SYSTEM OUTLINE AND ZONING AID. FURNISH AND INSTALL ALL EQUIPMENT, CABLE AND DEVICES REQUIRED TO MEET THE INTENT OF THE SPECIFICATION. PROVIDE CABLE PER MANUFACTURER AND CIRCUIT REQUIREMENTS. ALL DEVICES NOT SHOWN.

21. PROVIDE CONDUCTORS POWER SUPPLIES AND WIRE GAUGE NECESSARY TO SUPPLY EACH STROBE WITH 110vdc PER DEVICE AND EACH SPEAKER WITH 2w.

22. ALL CABLES SHALL BE SHIELDED UNLESS MANUFACTURER CAN PROVE THAT SIGNALING, POWER, AND AUDIO WILL NOT BE AFFECTED BY EMI AND OTHER INTERFERENCE. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PROPER SEPARATION FROM OTHER CABLES AT ALL TIMES. ALL CABLES AND FIBER WILL BE IN CONDUIT OR CABLE TRAY.

23. PROVIDE MINIMUM 15db ABOVE AMBIENT FIRE ALARM AUDIBLE NOTIFICATION SIGNAL FOR ALL AREAS.

24. FIELD LOCATE NOTIFICATION APPLIANCE POWER SUPPLIES AS REQUIRED TO SERVE STROBES. PROVIDE DEDICATED 120V POWER TO ALL STROBE POWER SUPPLIES. NOTIFICATION APPLIANCE CIRCUITS SHALL NOT BE 1-TAPPED. POWER SUPPLY BATTERY BACKUP SHALL MEET THAT OF THE MAIN FIRE ALARM CONTROL PANEL.

25. LOCATE THE ALARM ANNUNCIATOR PANELS AT THE LOCATIONS INDICATED ON THE PLANS OR BY OWNER.

26. PROVIDE AND INSTALL A FIRE ALARM MANUAL PULL STATION WITH 5'-0" OF EVERY EGRESS DOOR AND SO THAT THE MAXIMUM TRAVEL DISTANCE TO A MANUAL PULL STATION DOES NOT EXCEED 200'-0".

27. PROVIDED SPECIFIED EMERGENCY BATTERY BACKUP TO PROVIDE ALL FIRE ALARM EQUIPMENT 24 HOURS OF STAND BY POWER FOLLOWED BY 15 MINUTES OF ALARM.

28. SMOKE AND HEAT DETECTORS SHALL BE NO CLOSER THAN 3'-0" FROM ANY HVAC DIFFUSER OR RETURN AIR GRILL.

29. FIRE ALARM SYSTEM IS A DESIGN BUILD SYSTEM THAT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. SHOP DRAWINGS SHALL BE PREPARED AND STAMPED BY PERSONS WITH THE FOLLOWING QUALIFICATIONS: 1. FIRE PROTECTION P.E. OR P.E. FIRE ALARM CERTIFIED BY NATIONAL MINIMUM LEVEL FOUR. IN ADDITION TO DISTRIBUTION REQUIREMENTS FOR SUBMITTALS SPECIFIED IN SPECIFICATIONS, MAKE AN IDENTICAL SUBMITTAL WITHIN 15 BUSINESS DAYS OF THE DATE OF THE SPECIFICATION 406 21.1 ADDRESSABLE FIRE ALARM SYSTEM FOR ADDITIONAL INFORMATION.

1. THE CONTRACTOR SHALL INSTALL CABLE IN A PROFESSIONAL MANNER. CARE MUST BE GIVEN IN THE ROUTING OF THE CABLE SO AS TO PROVIDE CLEARANCE TO ALLOW THE SERVING OF OTHER ELECTRICAL CONDUITS, EQUIPMENT, LIGHTS, ETC.
2. MINIMUM CONDUIT SIZE ALLOWABLE SHALL BE "1" UNLESS NOTED OTHERWISE. WIRE SIZE SHALL BE INCREASED AS REQUIRED TO PREVENT A VOLTAGE DROP EXCEEDING 18%. CONDUIT SIZE SHALL BE INCREASED AS REQUIRED TO MEET NEC REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE AND VERIFY ACTUAL EQUIPMENT SIZES WITH SIZES SHOWN ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ALLOCATION WITH OTHER EQUIPMENT, EQUIPMENT ORIENTATION AND FLOOR AND WALL PENETRATIONS.
4. VERTICALLY ALIGN DEVICES INSTALLED ON WALL WITH OTHER EQUIPMENT (THERMOSTATS, LIGHT SWITCHES, CARD READERS, MANUAL PULL STATIONS, ETC.) WHERE APPLICABLE. MAINTAIN PROPER MOUNTING HEIGHT AND LOCATION OF DEVICES TO MEET CODE.
5. COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXS WITH THE FINAL FURNITURE LAYOUT DRAWINGS AND ARCHITECTURAL TRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS, AND LICENSES FOR THE COMPLETE INSTALLATION OF HIS/HER WORK.
6. COORDINATE EXACT PHASING AND SEQUENCING OF ALL WORK WITH PROJECT TECHNICAL LEADER AND THE OWNER.
7. ALL CABLES NOT CONCEALED IN A RACEWAY ROUTED IN CEILING SPACE SHALL BE PLENUM RATED PER NEC REQUIREMENTS.
8. ALL HORIZONTAL AND VERTICAL PENETRATIONS THROUGH FIRE RATED STRUCTURE MUST BE SLEEVED (RGS CONDUIT) AND SEALED WITH AN APPROVED FIRE STOP.
9. ALL OUTLET BOXES INSTALLED BACK-TO-BACK IN WALLS SHALL HAVE FIREPROOF SOUND INSULATING MATERIALS INSTALLED BETWEEN BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO ANOTHER.
10. MISCELLANEOUS SUPPORT STEEL SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. PROVIDE FLOOR MOUNTING SUPPORT RACK FOR CONDUITS RUN BETWEEN THE EQUIPMENT AND VERTICAL DROPS FROM OVERHEAD OR BUSWAY. DO NOT RUN CONDUITS ON THE FLOOR.
11. ELECTRICAL EQUIPMENT SHALL BE UL TESTED AND LABELED.
12. CENTER ALL CEILING MOUNTED DEVICES IN THE CENTER TILE WHERE APPLICABLE.
13. CONTRACTOR TO PROVIDE AND INSTALL CONDUITS TO SUPPORT ALL CABLING IN CEILING SPACES FOR DATA CABLING.

1115 3RD AVENUE SOUTH // SUITE 700 // NASHVILLE, TN 37210
PHONE: 615.254.1600



GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

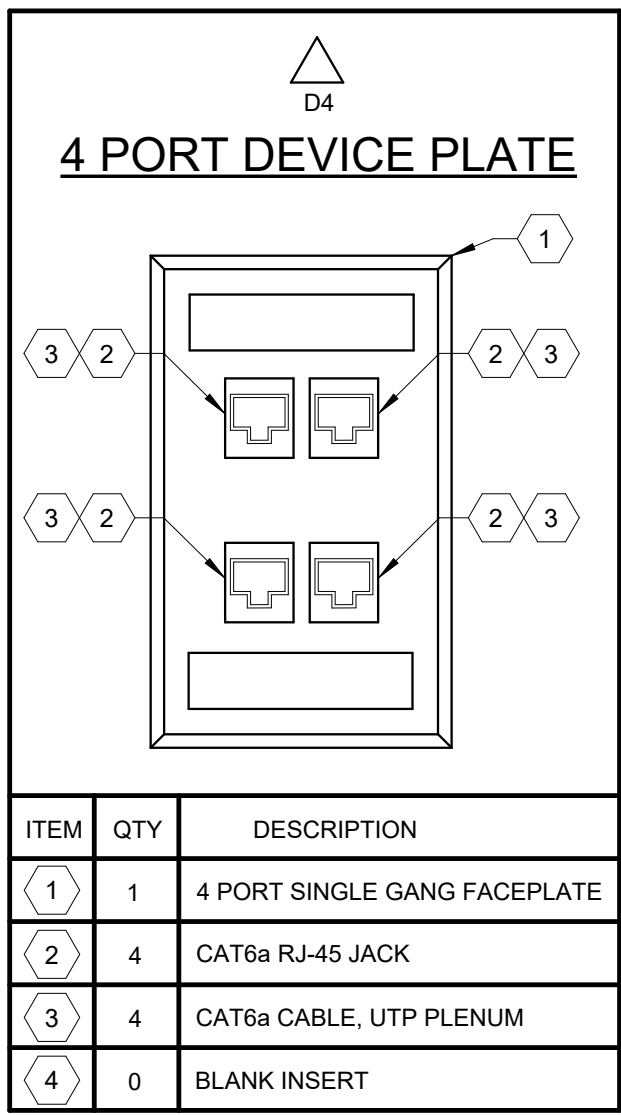
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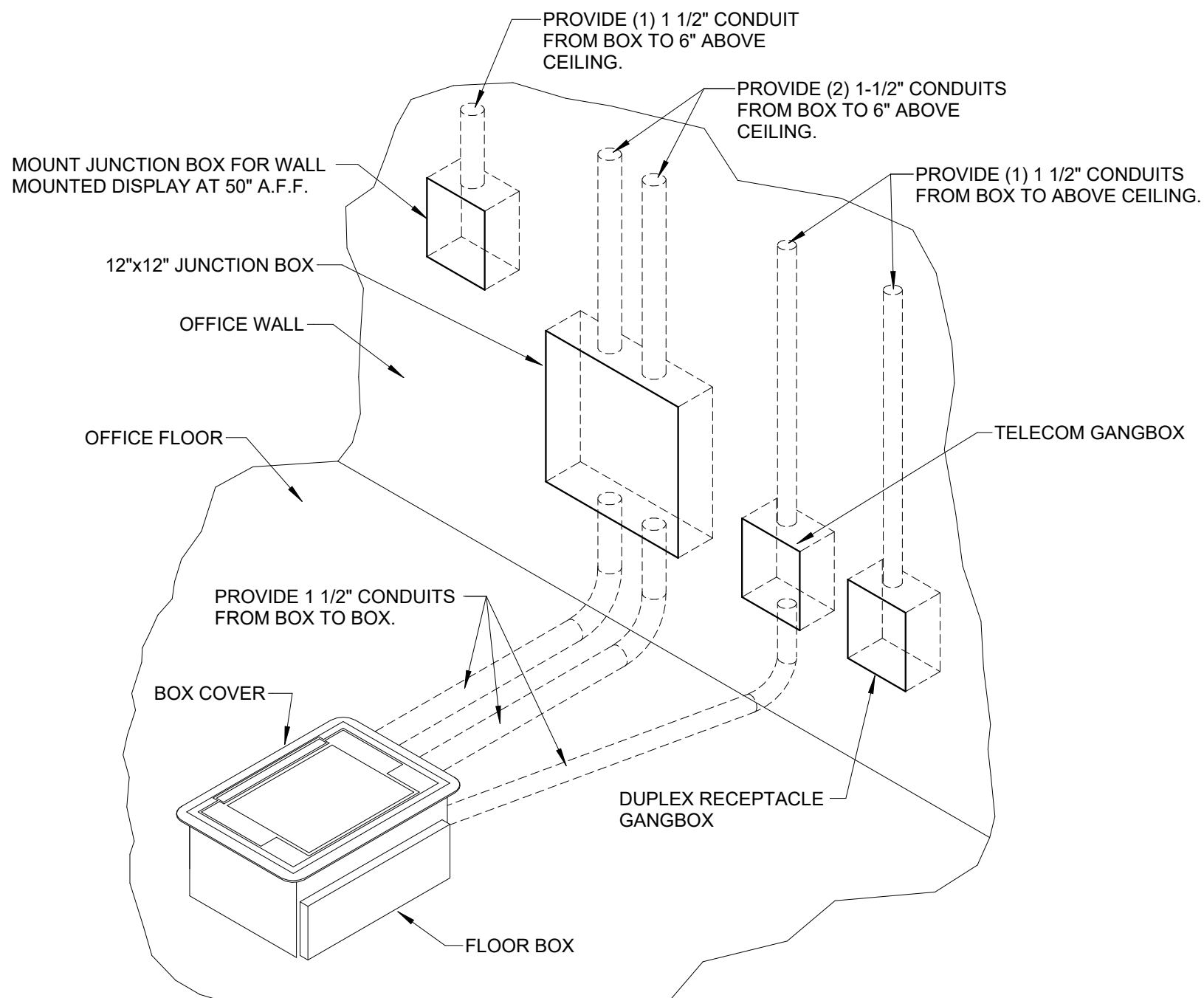


REVISION INFORMATION					DESCRIPTION
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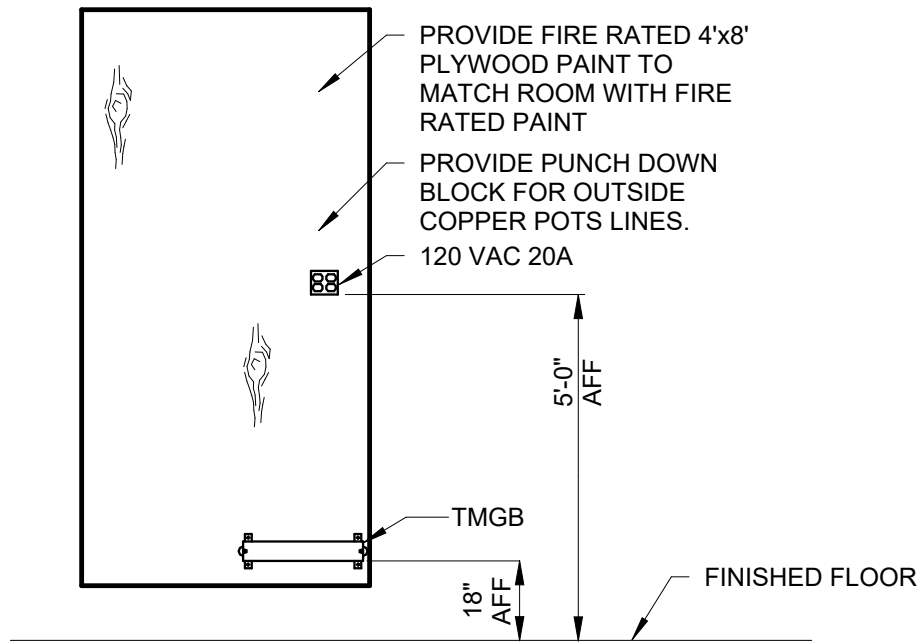
1 DATA FACEPLATE D4

E502 NTS

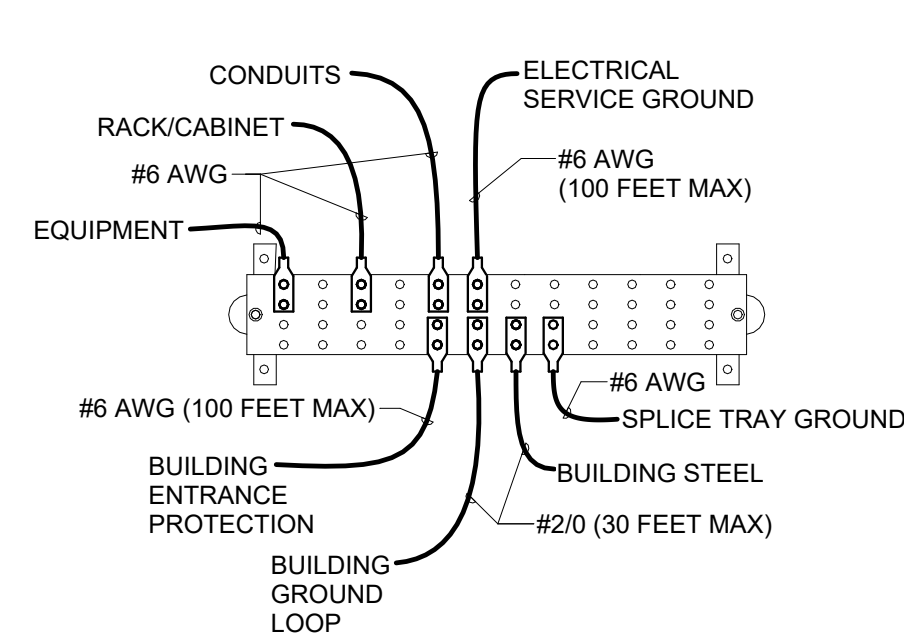


2 DATA FLOOR BOX AND A/V

E502 NTS



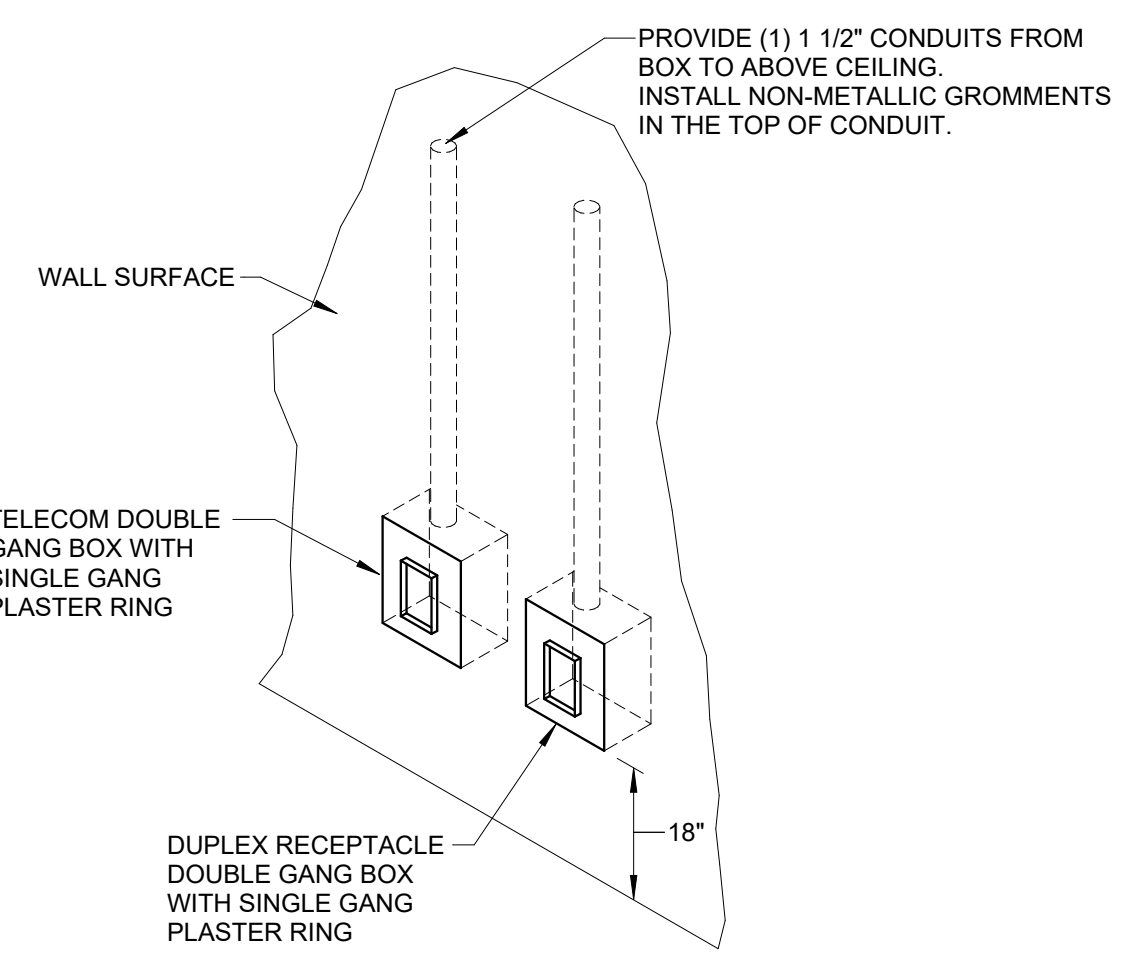
TYPICAL TMGB MOUNTING



TYPICAL TMGB CONNECTIONS

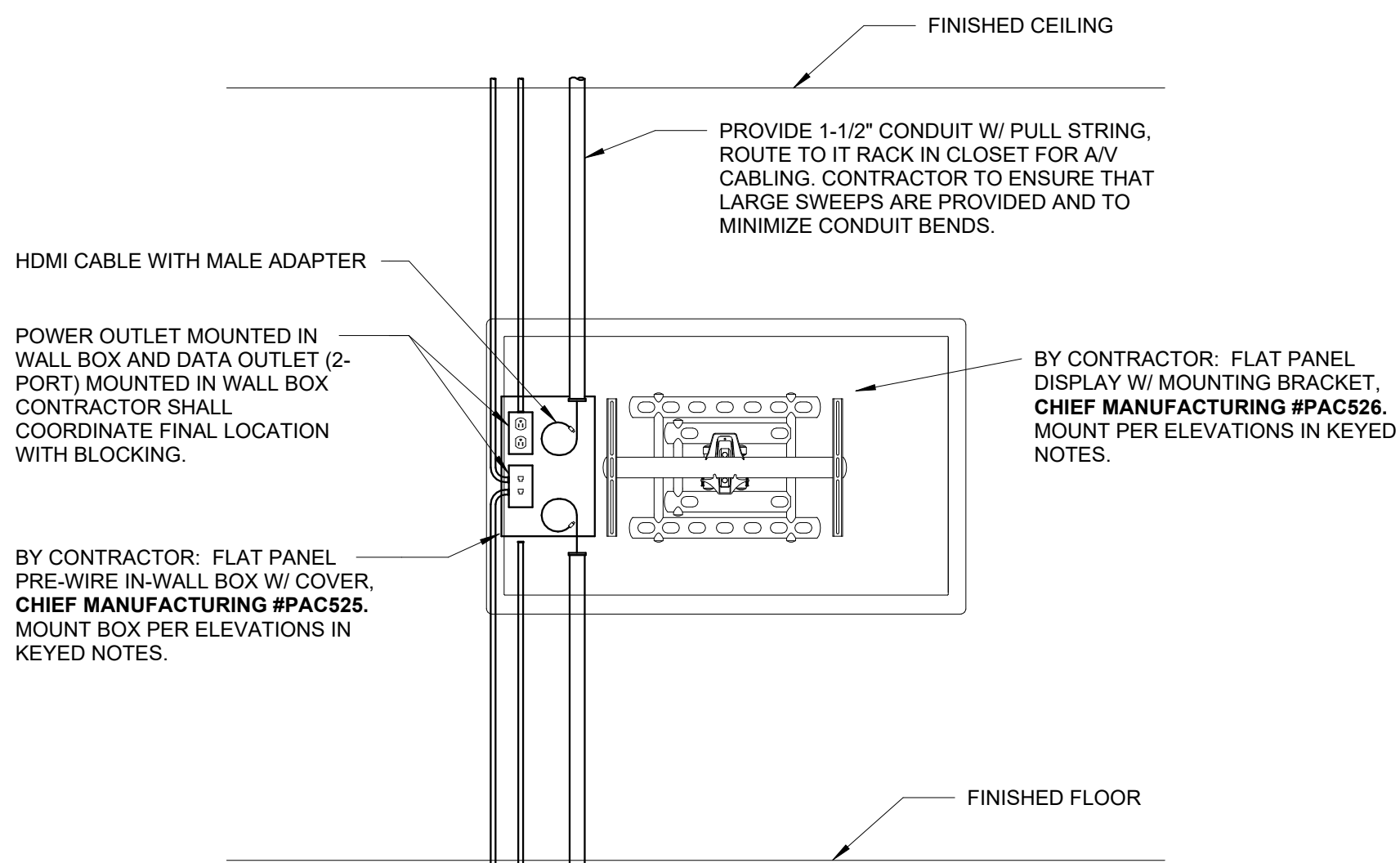
3 DATA TMGB MOUNTING AND CONNECTIONS

E502 NTS



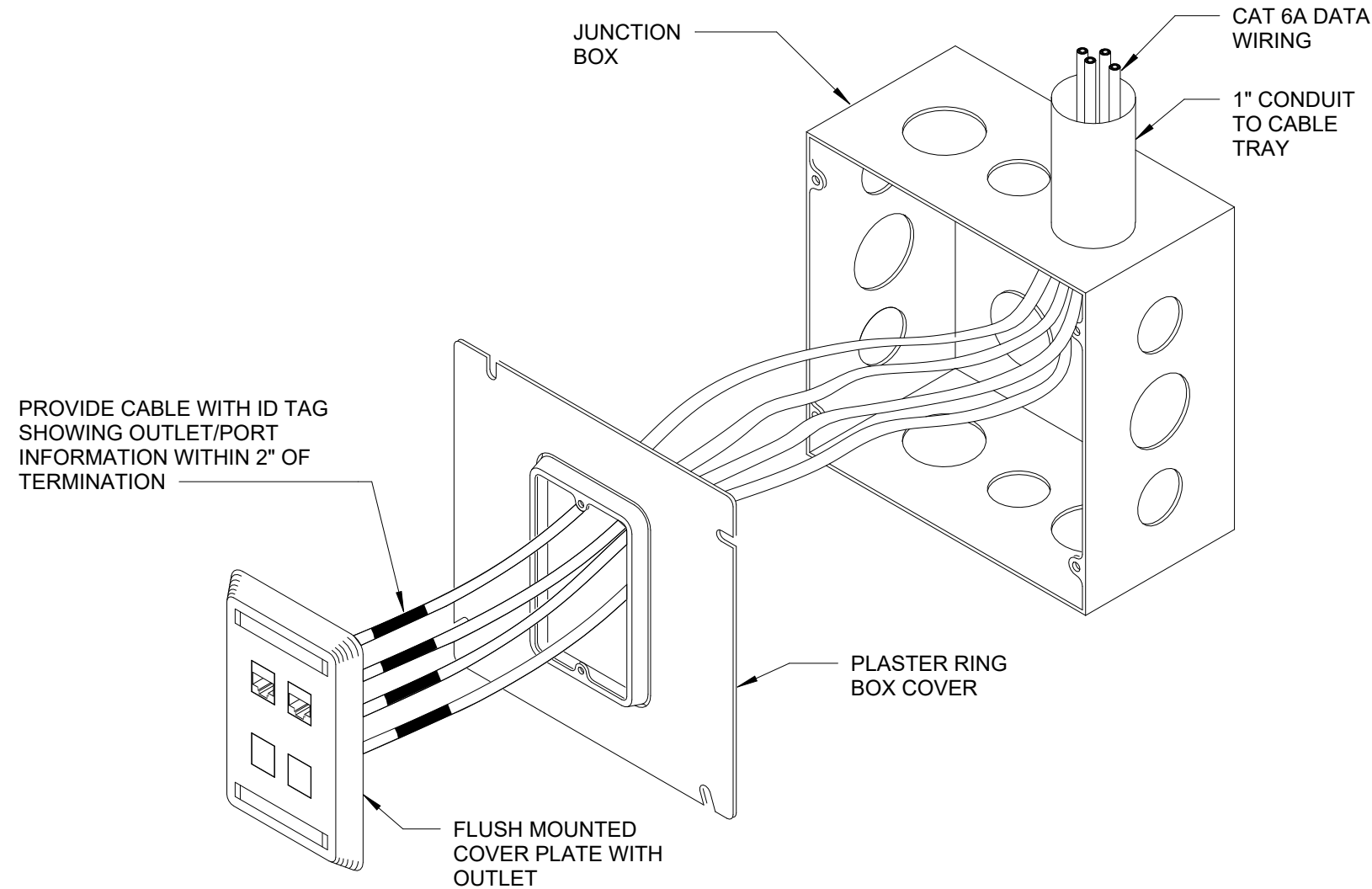
4 DATA DROP ROUGH-IN

E502 NTS



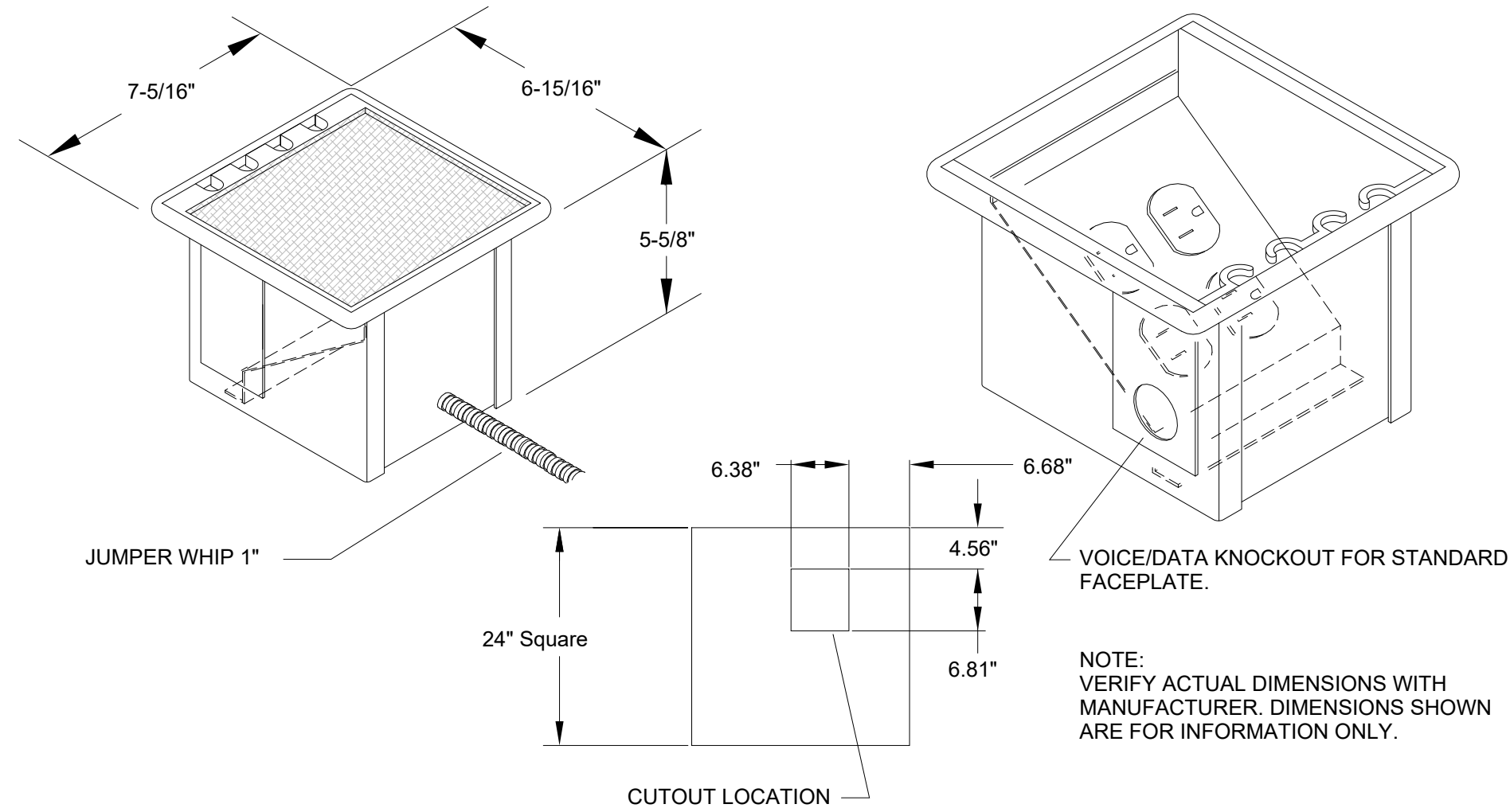
5 A/V - WALL MONITOR ELEVATION

E502 NTS

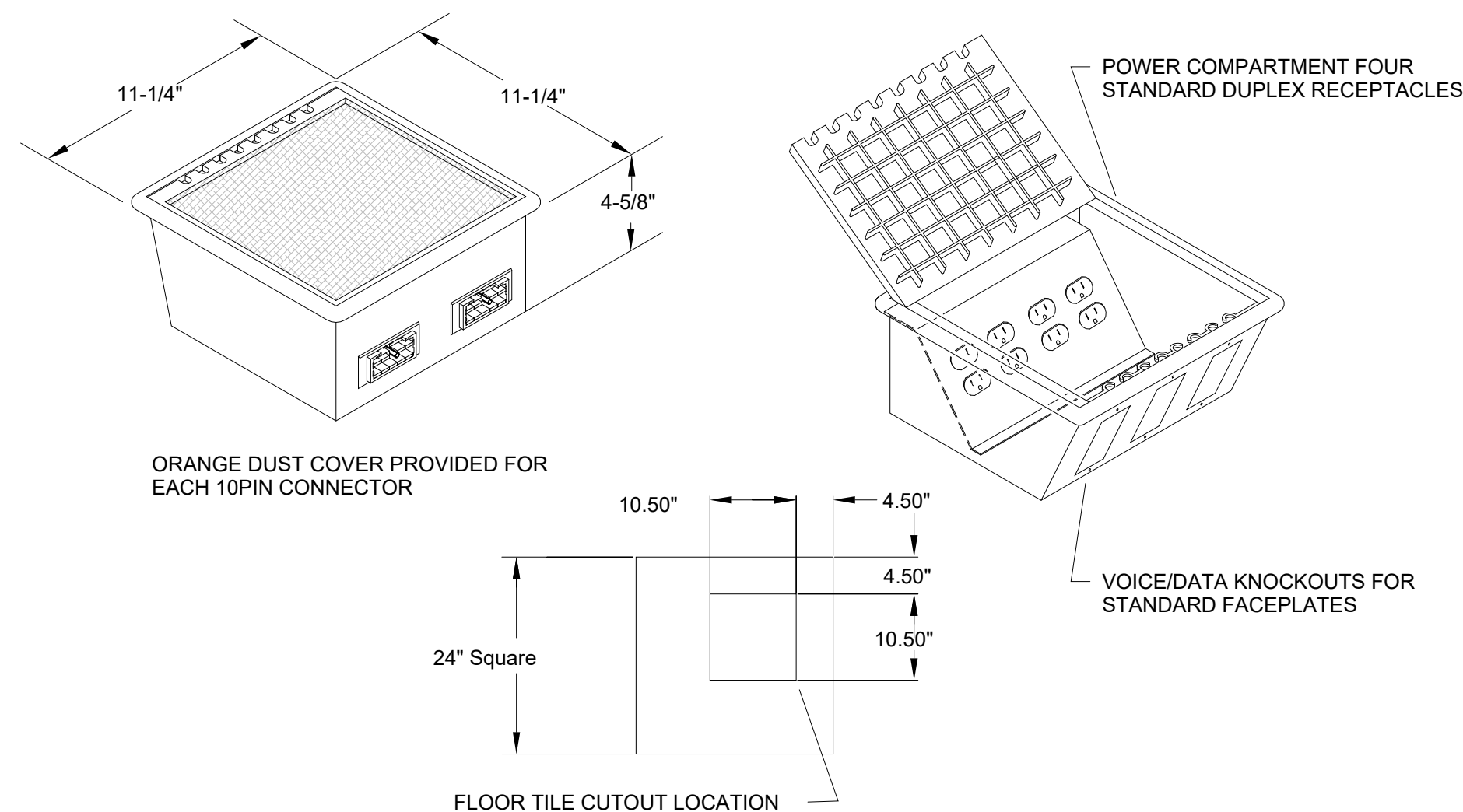


6 DATA/COMMUNICATIONS WIRING

E502 NTS



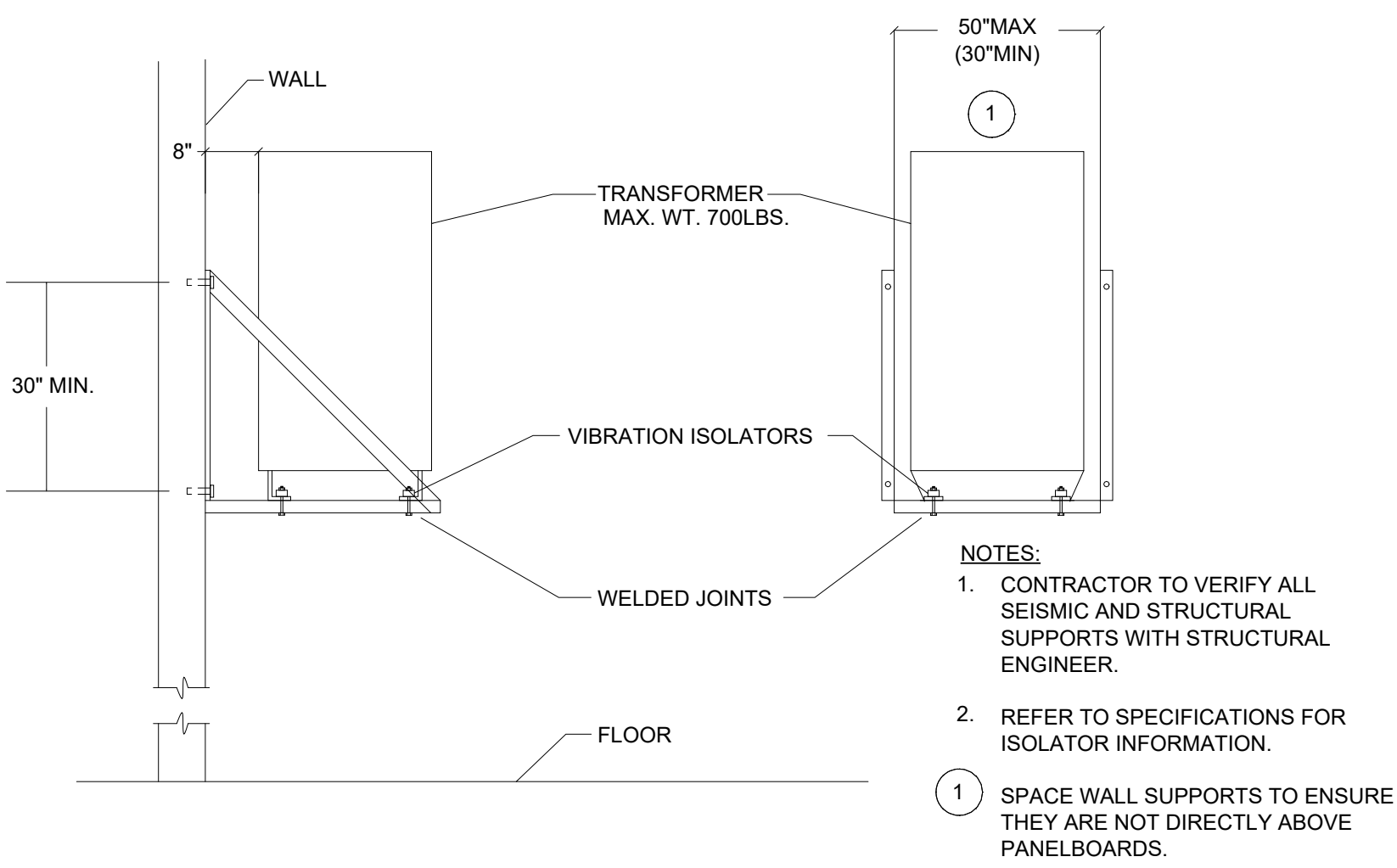
STANDARD CAPACITY, PVD SERVICE CENTER



HIGH CAPACITY, PVD SERVICE CENTER

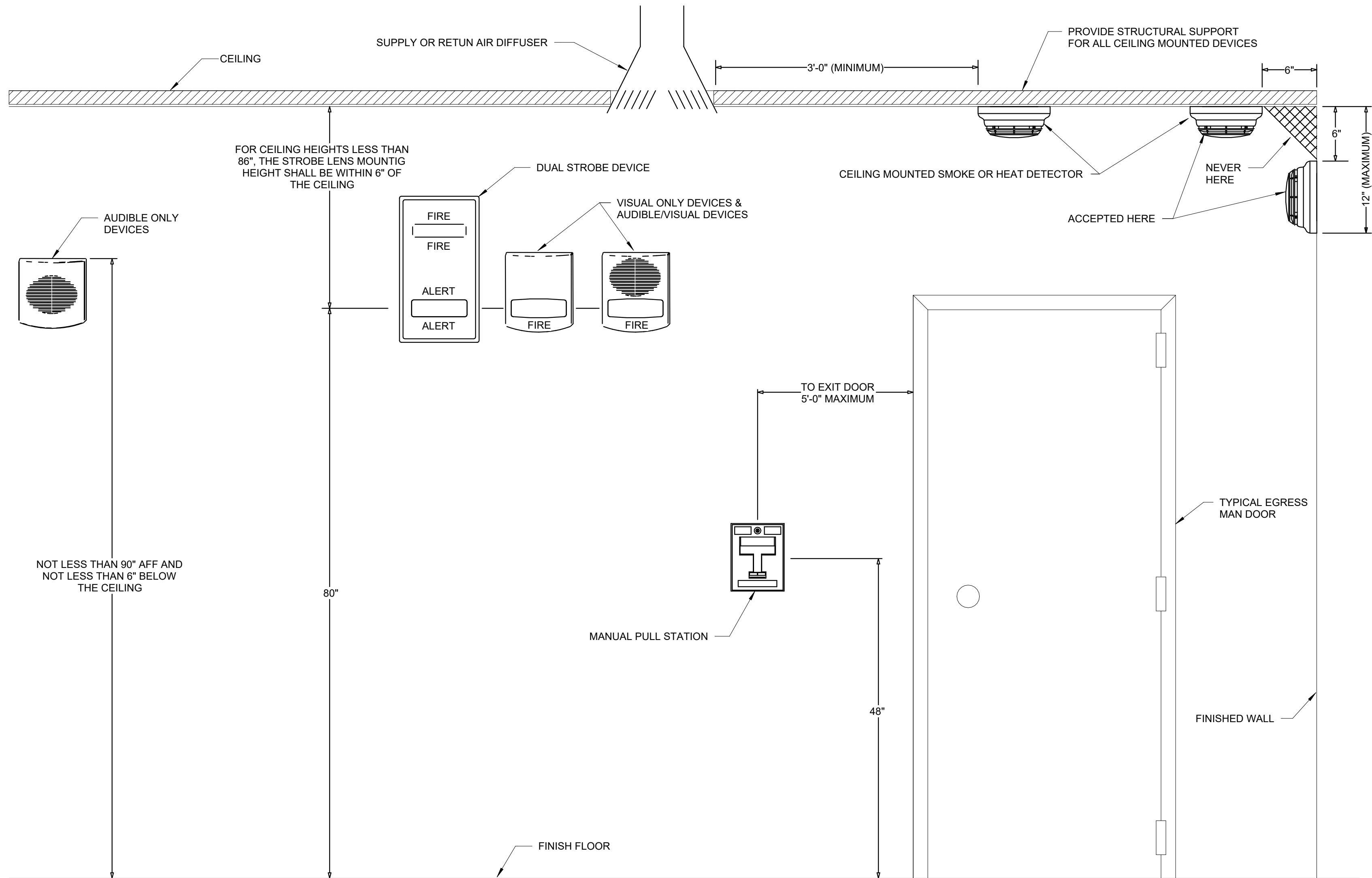
8 CAST IN PLACE FLOORBOX DETAIL

E502 NTS

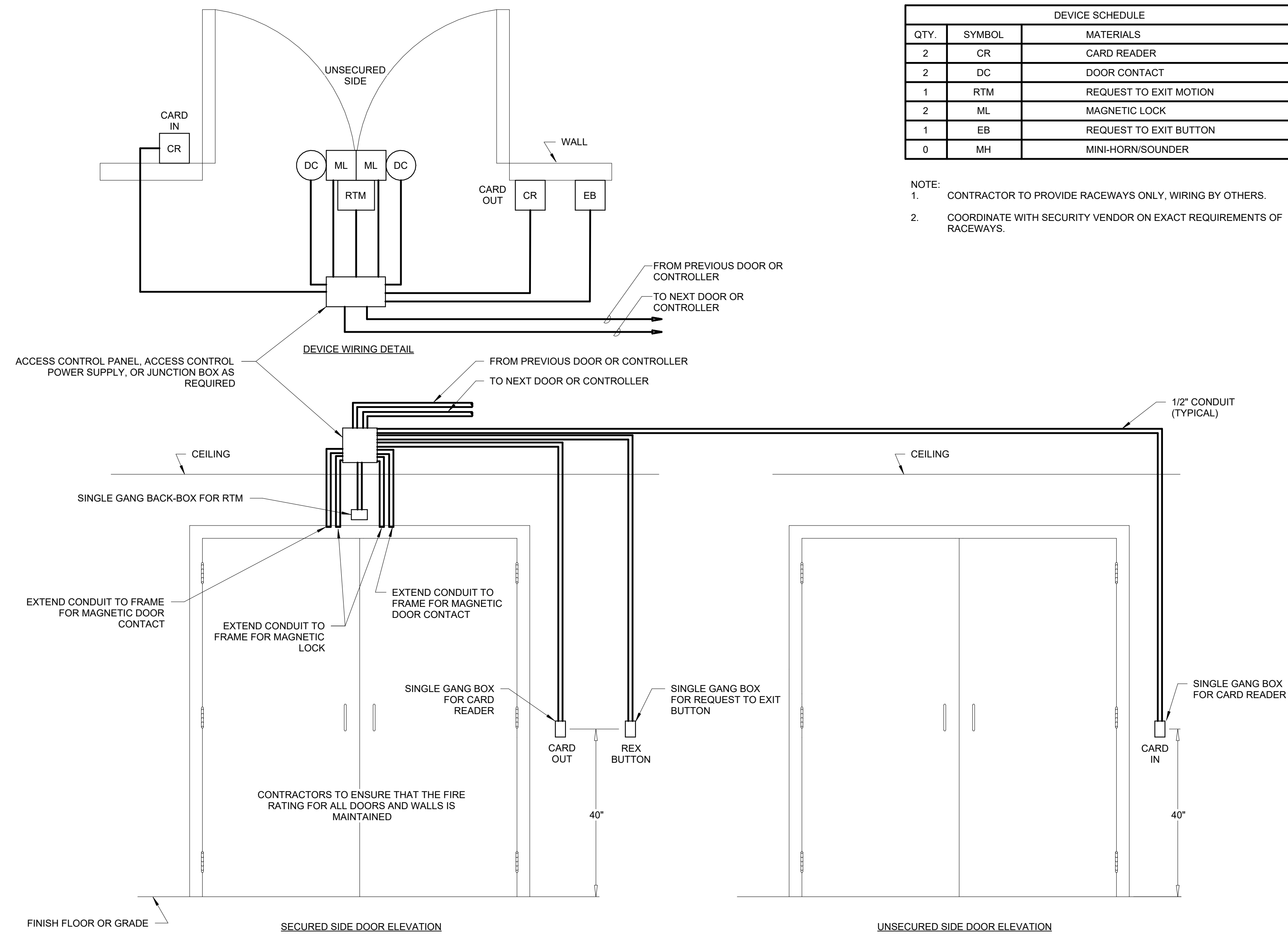


7 WALL MOUNTED TRANSFORMER DETAIL

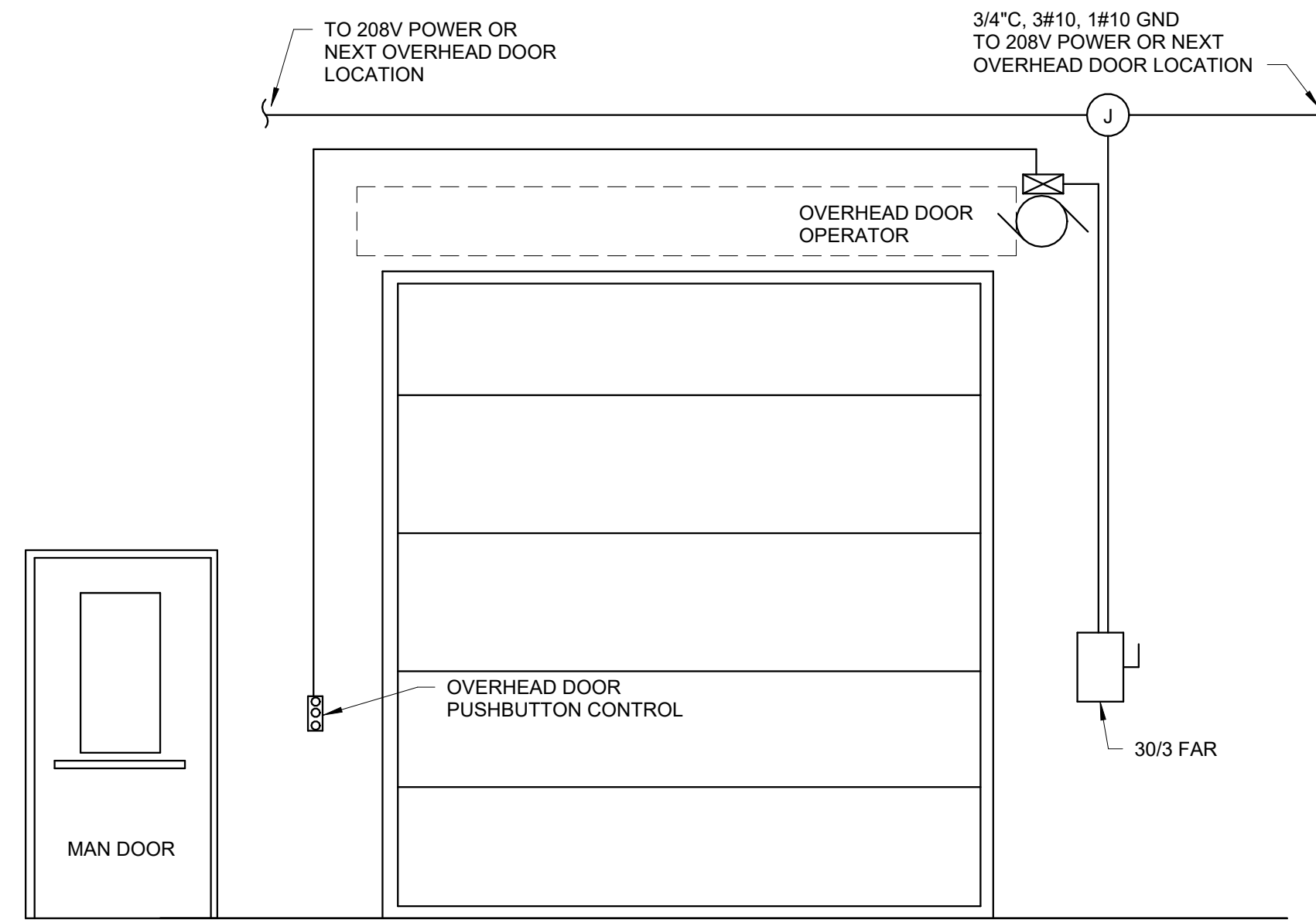
E502 NTS



1 FIRE ALARM DEVICES - TYPICAL MOUNTING HEIGHTS
E503 SCALE: 12" = 1'-0"

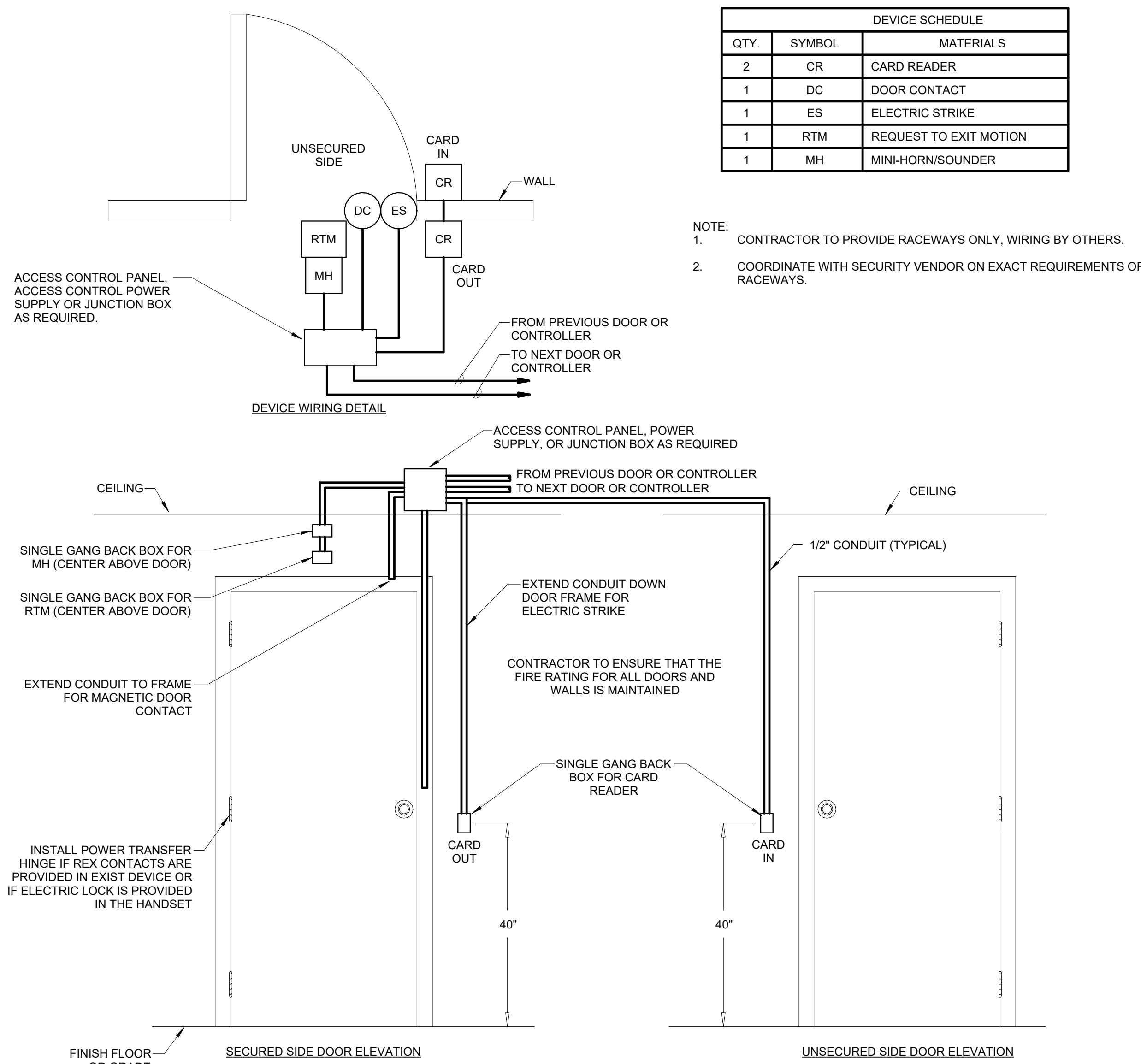


3 SECURITY DOOR TYPE 2B
E503 SCALE: 12" = 1'-0"

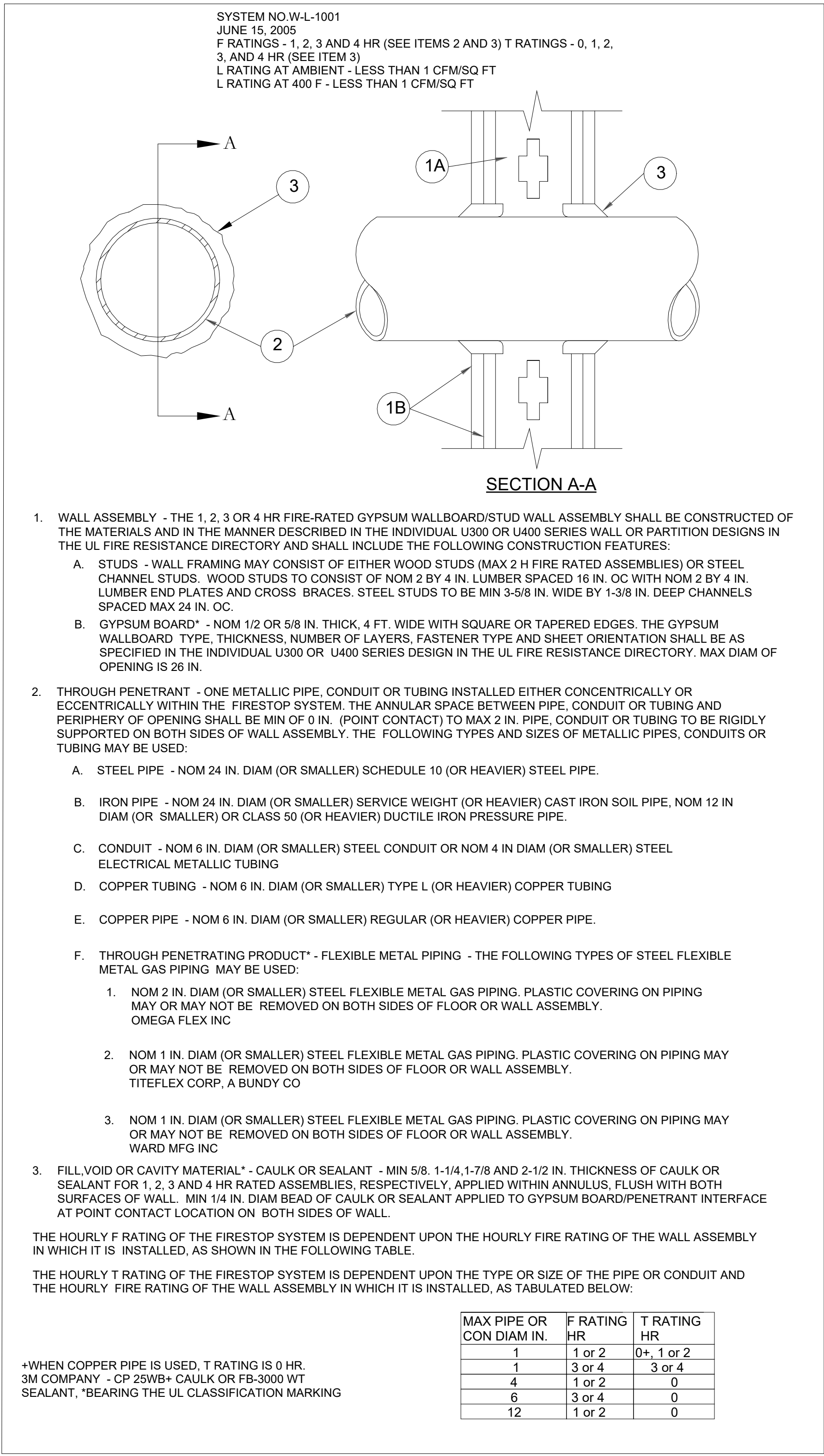


NOTES:
A. COORDINATE ALL WORK WITH DOOR MANUFACTURERS INSTALLATION RECOMMENDATIONS AND GUIDELINES AND WITH OWNER PRIOR TO ROUGH-IN.
B. LOCATE PUSHBUTTON STATION ON MAN DOOR SIDE OF OVERHEAD DOOR.

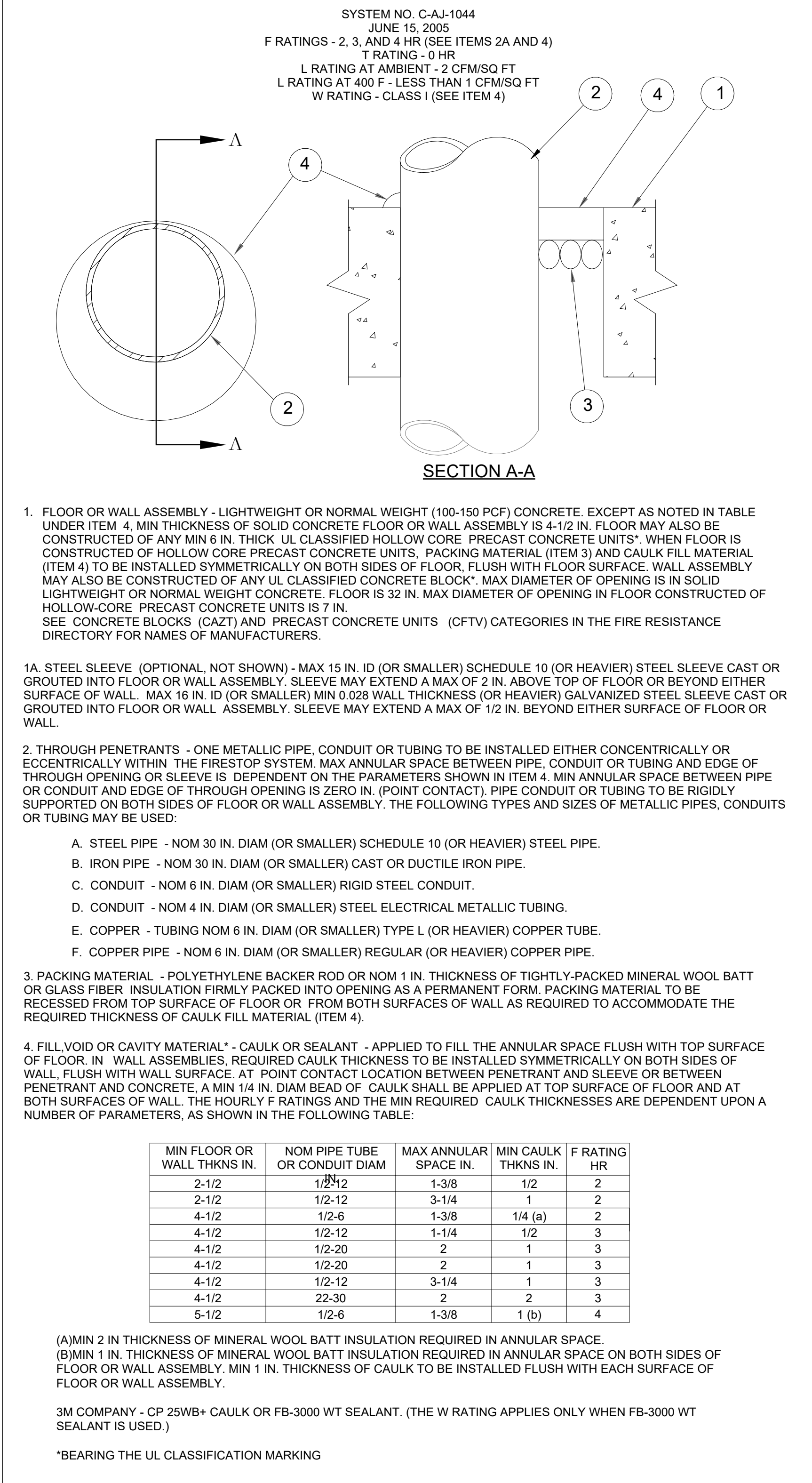
4 DETAIL - OVERHEAD DOOR CONNECTION
E503 SCALE: 1" = 1'-0"



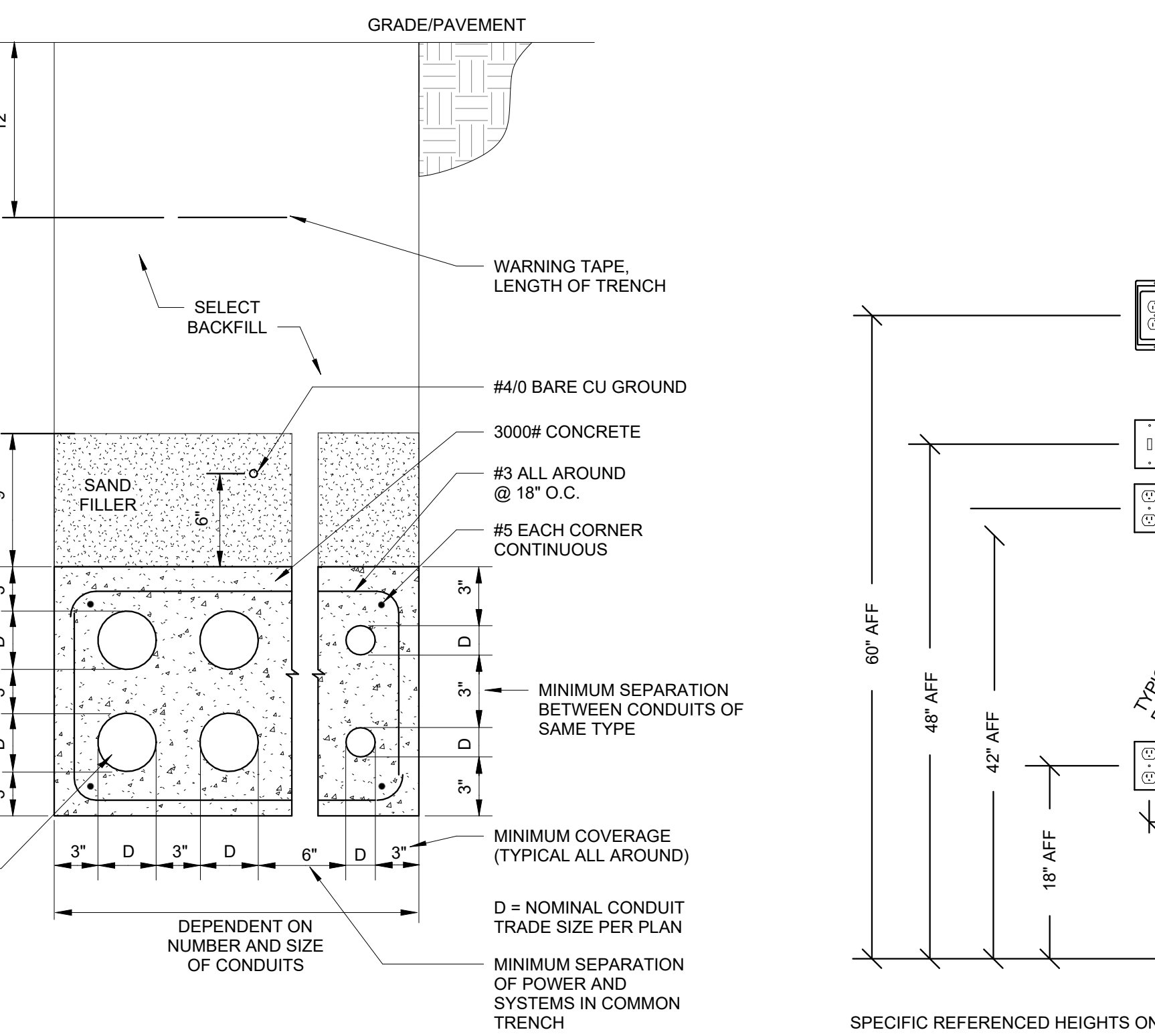
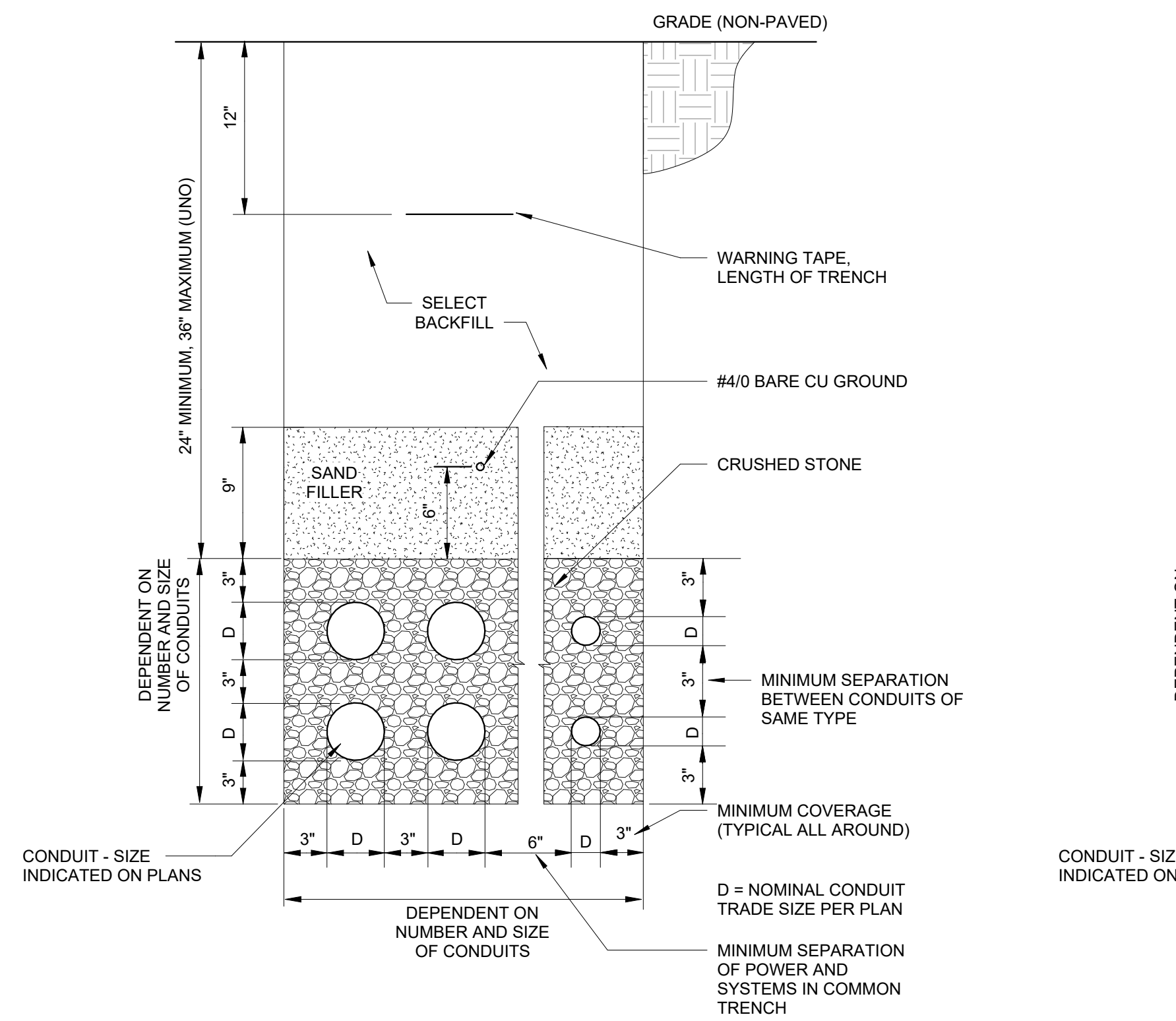
2 SECURITY DOOR TYPE 1A
E503 SCALE: 12" = 1'-0"



1 1-4 HOUR GYPSUM BOARD FIRE STOPPING DETAIL
E504 NTS

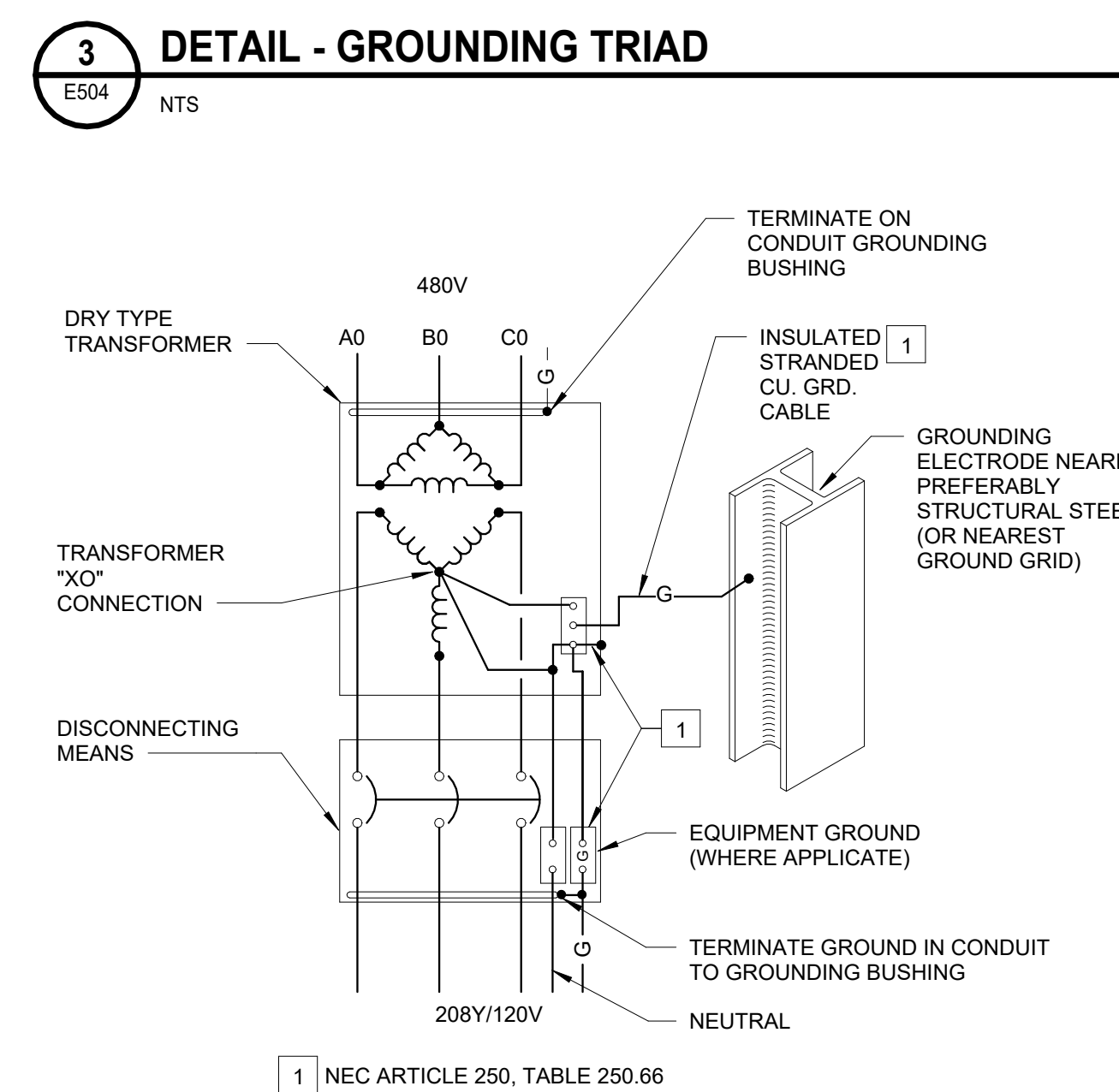
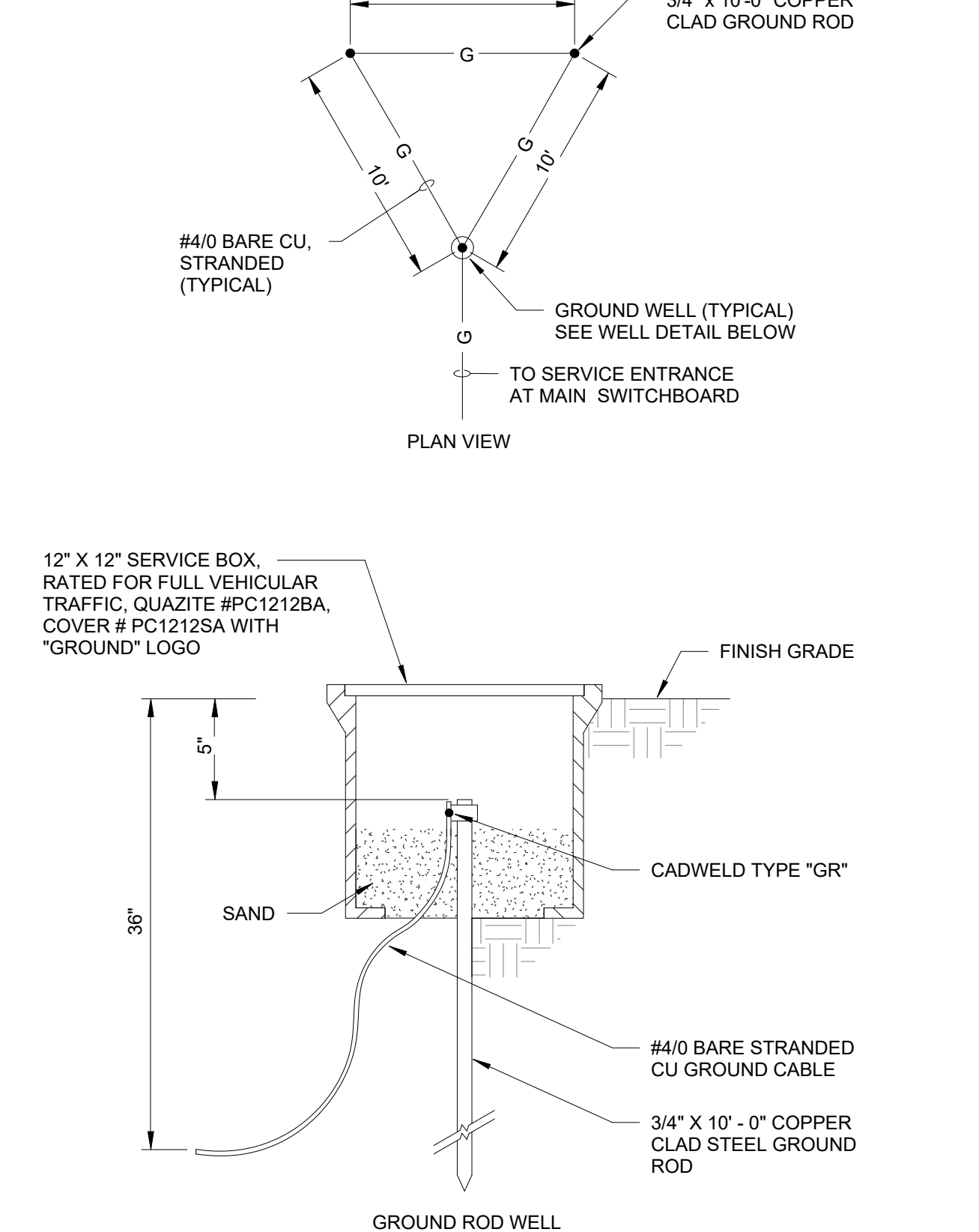


2 2-4 HOUR CONCRETE FIRE STOPPING DETAIL
E504 NTS

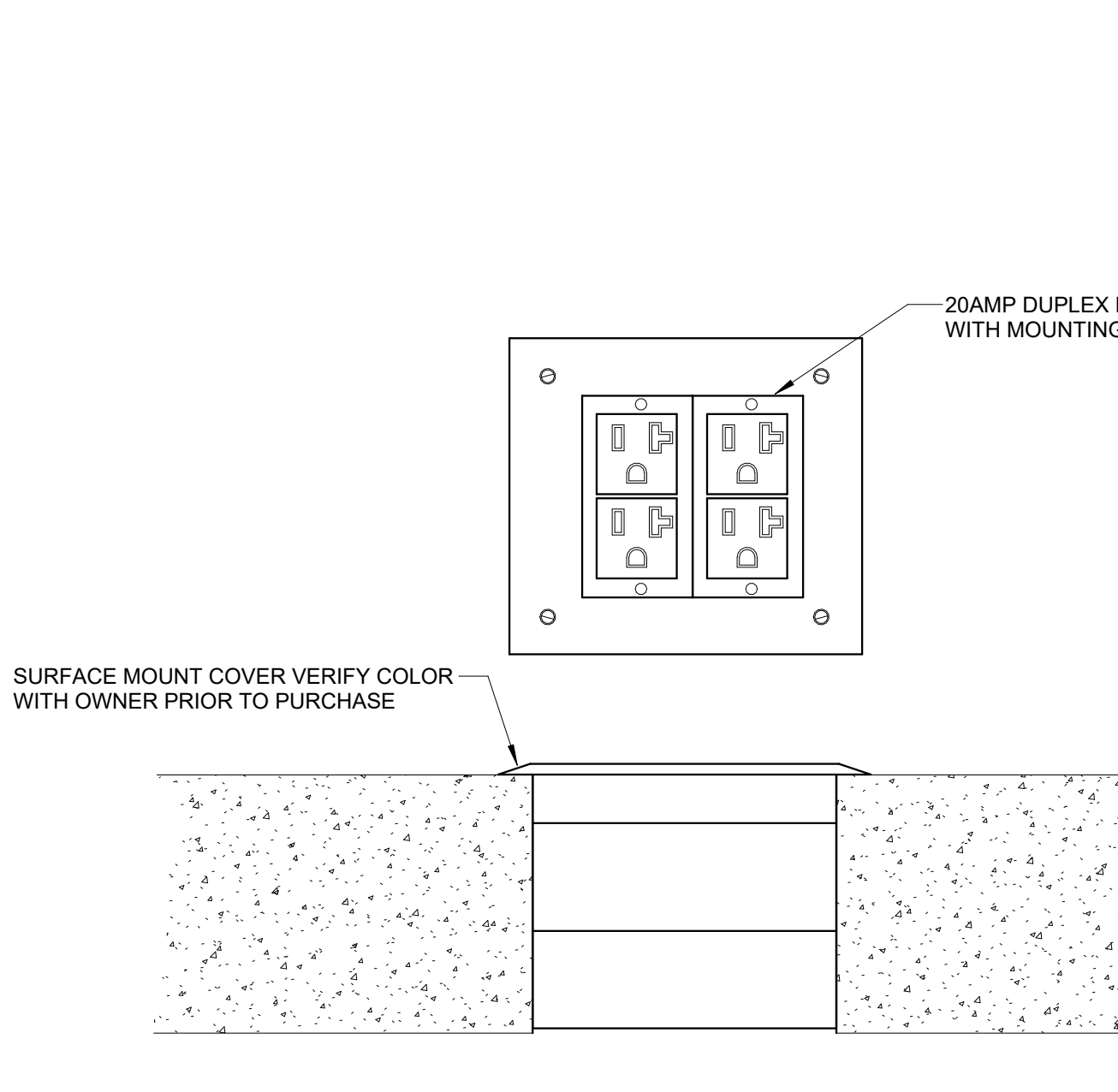
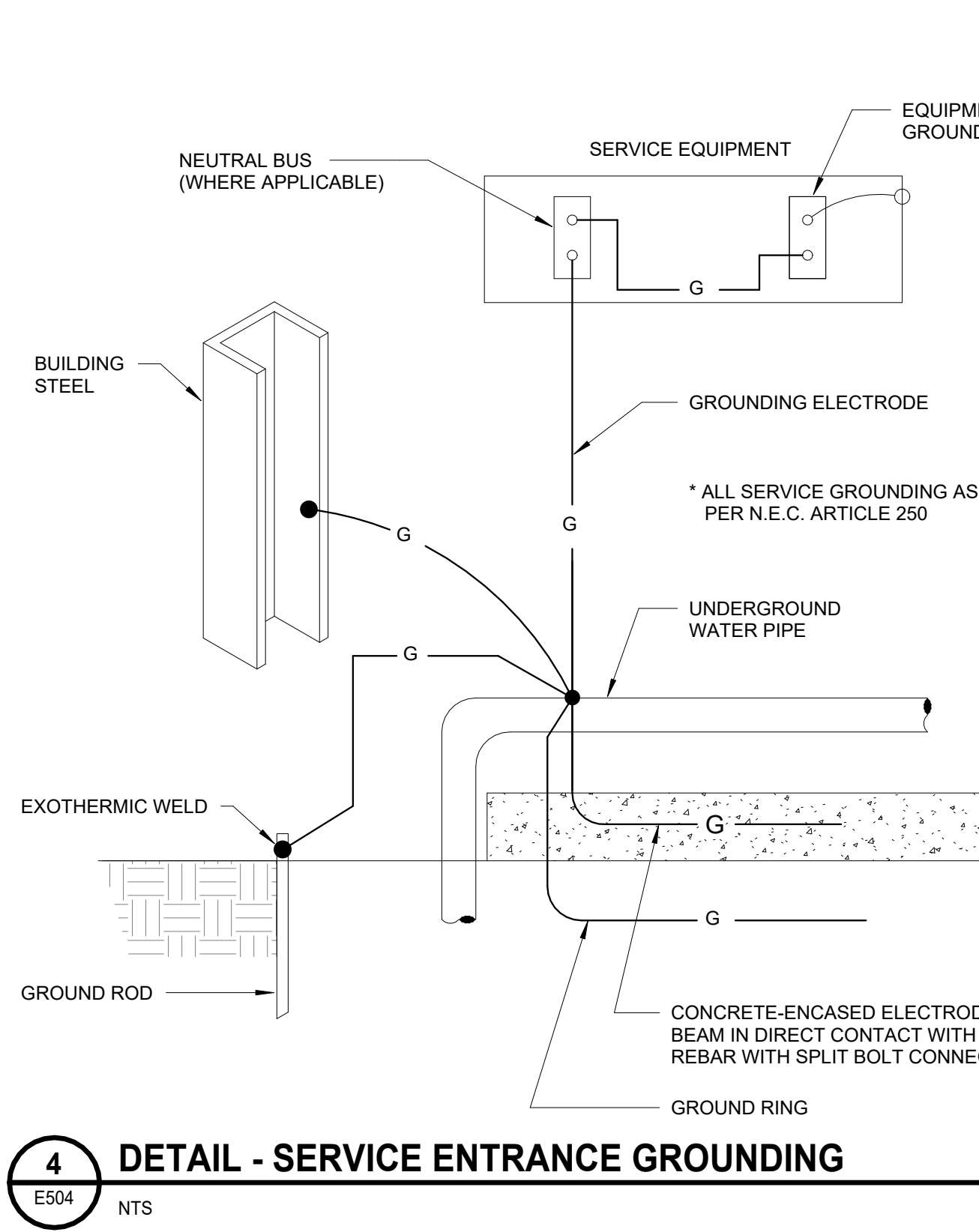


7 TYPICAL DUCT BANK GREATER THAN 3' FROM PAVEMENT
E504 NTS

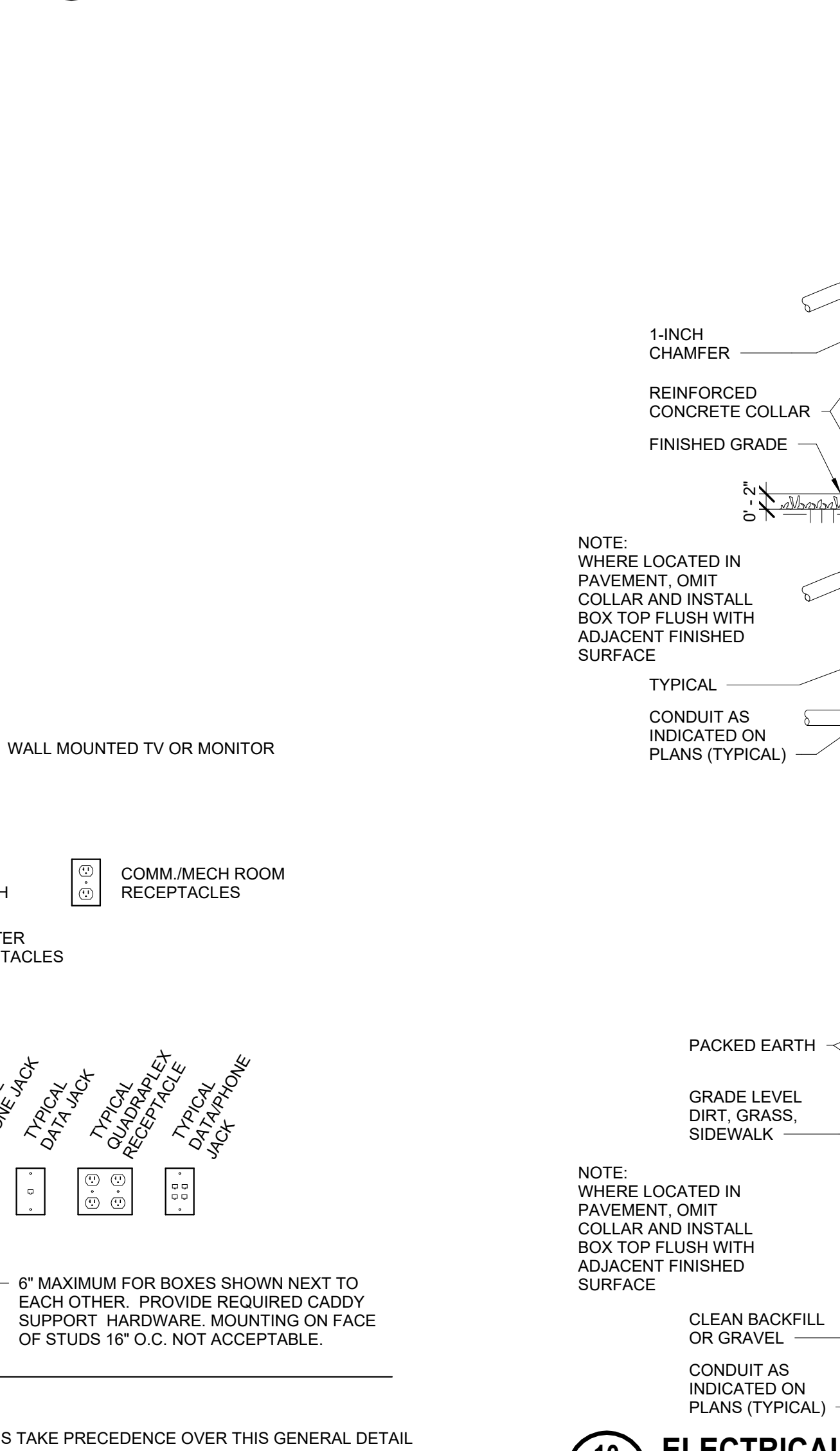
8 TYPICAL DUCT BANK UNDER AND WITHIN 3' OF PAVEMENT
E504 NTS



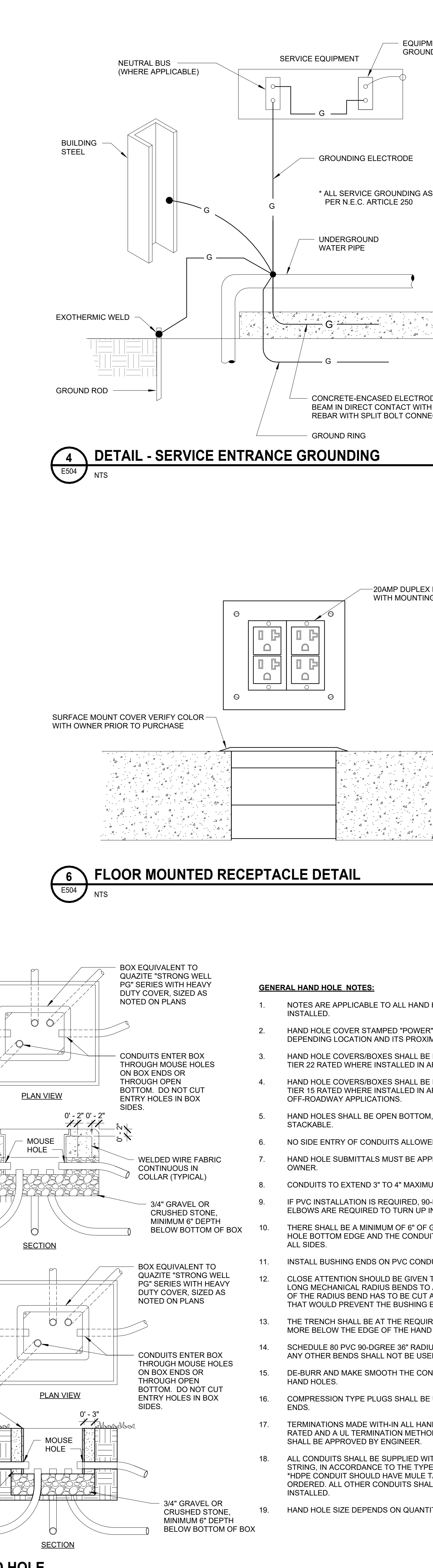
5 LOW VOLTAGE TRANSFORMER GROUNDING
E504 NTS



6 FLOOR MOUNTED RECEPTACLE DETAIL
E504 NTS



9 ELECTRICAL DEVICE MOUNTING HEIGHTS
E504 NTS



10 ELECTRICAL HAND HOLE
E504 NTS

LIGHTING CONTROL SYSTEM

LIGHTING CONTROL SYSTEM OPERATIONAL INTENT:

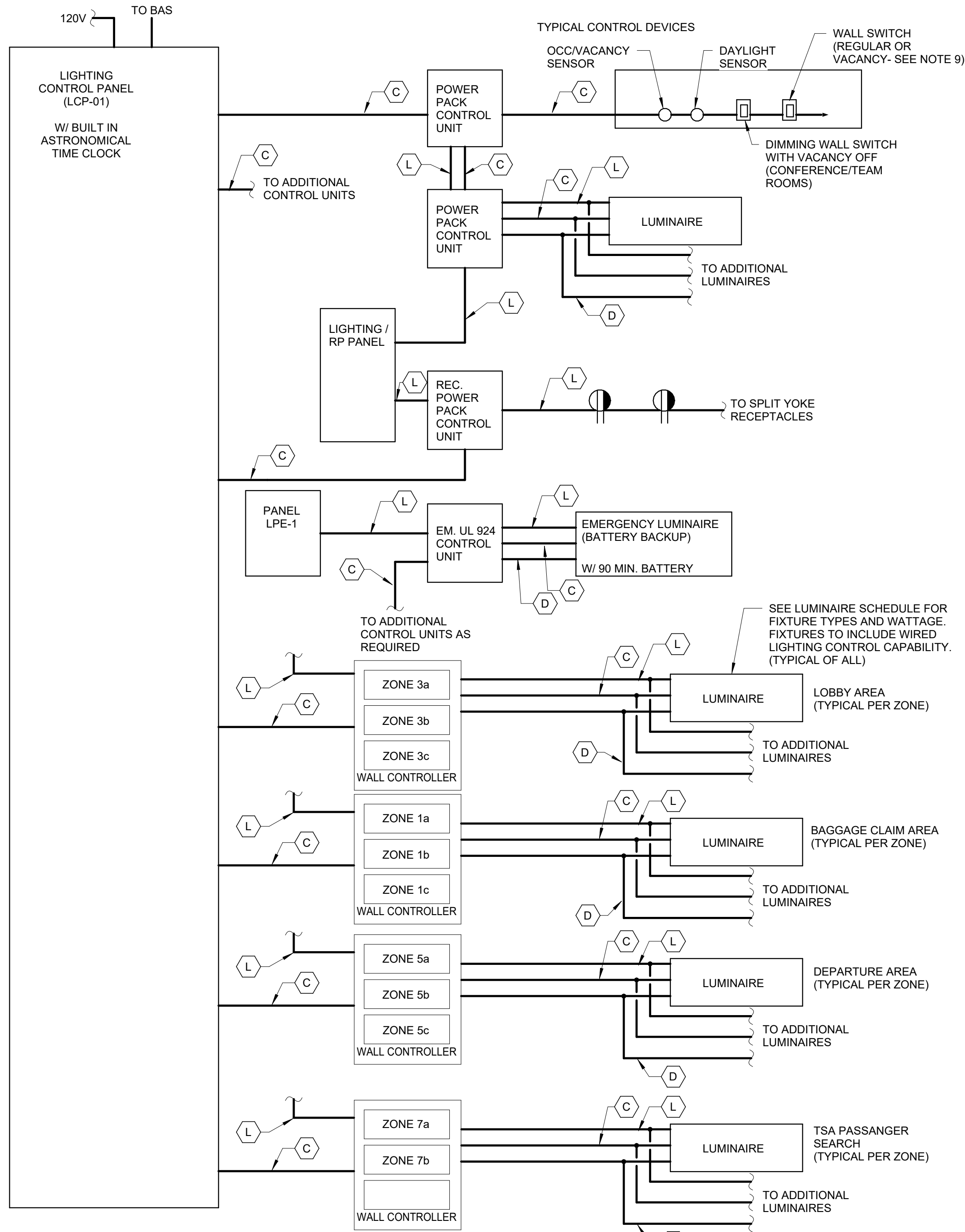
1. LIGHTING FOR BAGGAGE AREA/DEPARTURE LOBBY SHALL BE CONTROLLED VIA ASTRONOMICAL TIMELOCK. PROVIDE MANUAL OVER-RIDE SWITCHES FOR OPERATION DURING NON-BUSINESS HOURS.
2. OVERRIDE SWITCH SHALL PROVIDE 2 HOURS, MINIMUM OF UN-INTERRUPTED OPERATION.
3. REFER TO DRAWINGS FOR ZONE ALLOCATION.
4. ALL ZONES SHALL BE DIMMABLE WITH DIMMING SWITCHES AND 0-10V WIRING PROVIDED BY CONTRACTOR.

LIGHTING CONTROL SYSTEM GENERAL NOTES:

1. MANUFACTURER SHALL INCLUDE SITE VISIT BY QUALIFIED TECHNICIAN FAMILIAR WITH OPERATIONAL INTENT AFTER ROUGH-IN.
2. SEE PLANS FOR FINAL LOCATIONS OF DEVICES AND ZONE CONTROLS.
3. BASIS OF DESIGN LIGHTING CONTROL SYSTEM SHALL BE FLIGHT. CONTROL SYSTEM SHALL MEET INTENT OF DESIGN.
4. PROVIDE ALL PARTS AND ACCESSORIES NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
5. COORDINATE HOURS OF OPERATION WITH OWNER PRIOR TO COMMISSIONING LIGHTING CONTROLS.
6. PROVIDE CONTROL DEVICES AS SHOWN ON SHEET LAYOUTS.
7. POWER PACKS/CONTROL UNITS SHALL BE MOUNTED IN CEILING PER MANUFACTURER'S INSTRUCTIONS OR MAY BE INTEGRAL TO THE LUMINAIRE.
8. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
9. DETAIL IS SCHEMATIC IN NATURE AND MAY VARY BY MANUFACTURER. CONTRACTOR TO PROVIDE FULL SYSTEM TO MEET OPERATIONAL INTENT, INCLUDING 0-10V WIRING/RACEWAYS AND CAT6A CABLING BETWEEN DEVICES AS REQUIRED.
10. ALL ZONE CONTROLLERS SHALL BE LOW VOLTAGE AND CIRCUITED TO LIGHTING CIRCUIT IT SERVES.

WIRE LEGEND

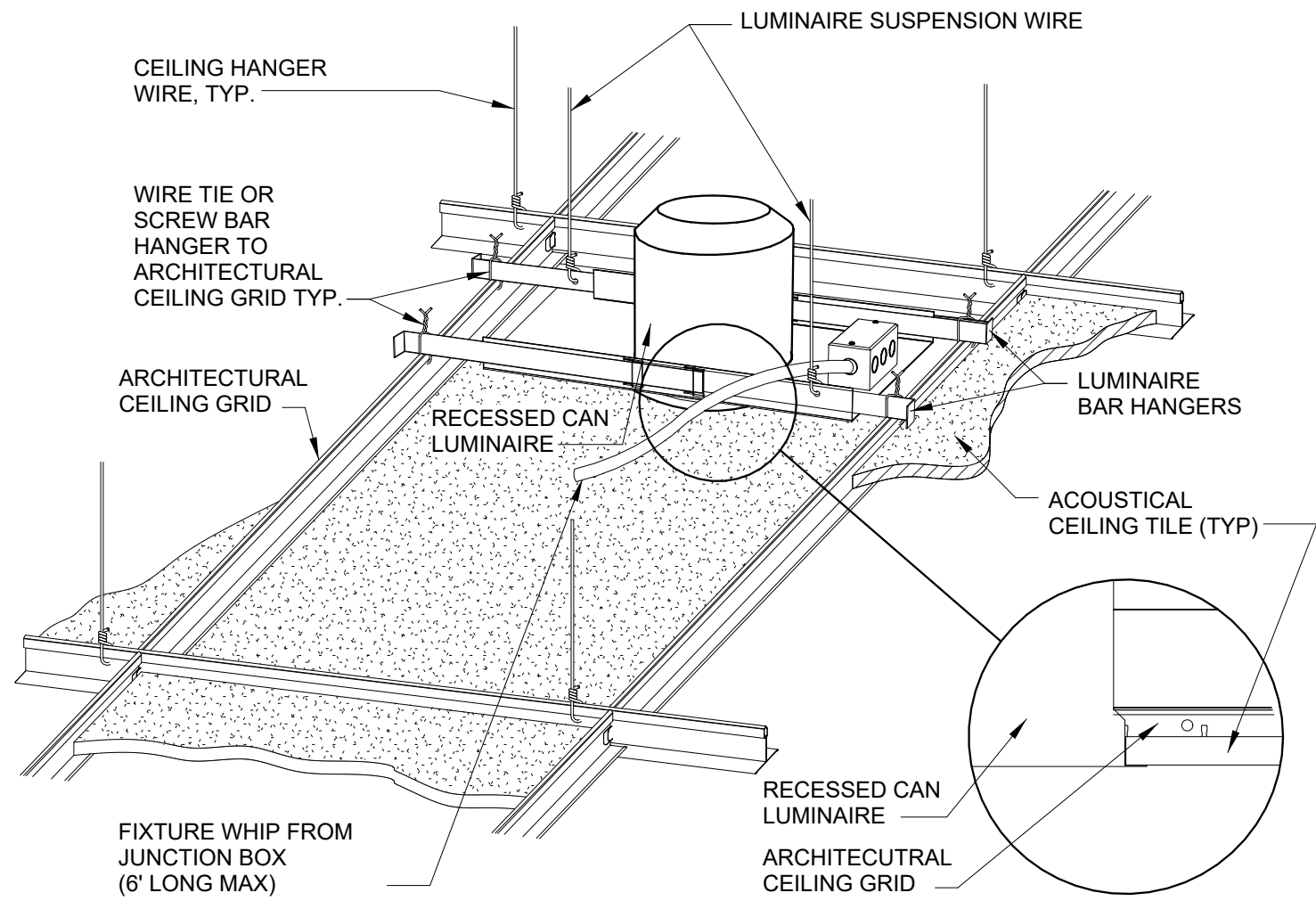
- (C) - CAT 6A (CLASS 2)
- (D) - 0-10V DC (DIMMING) (2/C #12 SAME CONDUIT AS 120V CIRCUIT)
- (L) - LINE VOLTAGE (120V)



1 BAGGAGE CLAIM/LOBBY/DEPARTURE LIGHTING CONTROLS

E505

NTS



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

6 LIGHTING - DOWNLIGHT MOUNTING - LAY-IN CEILING

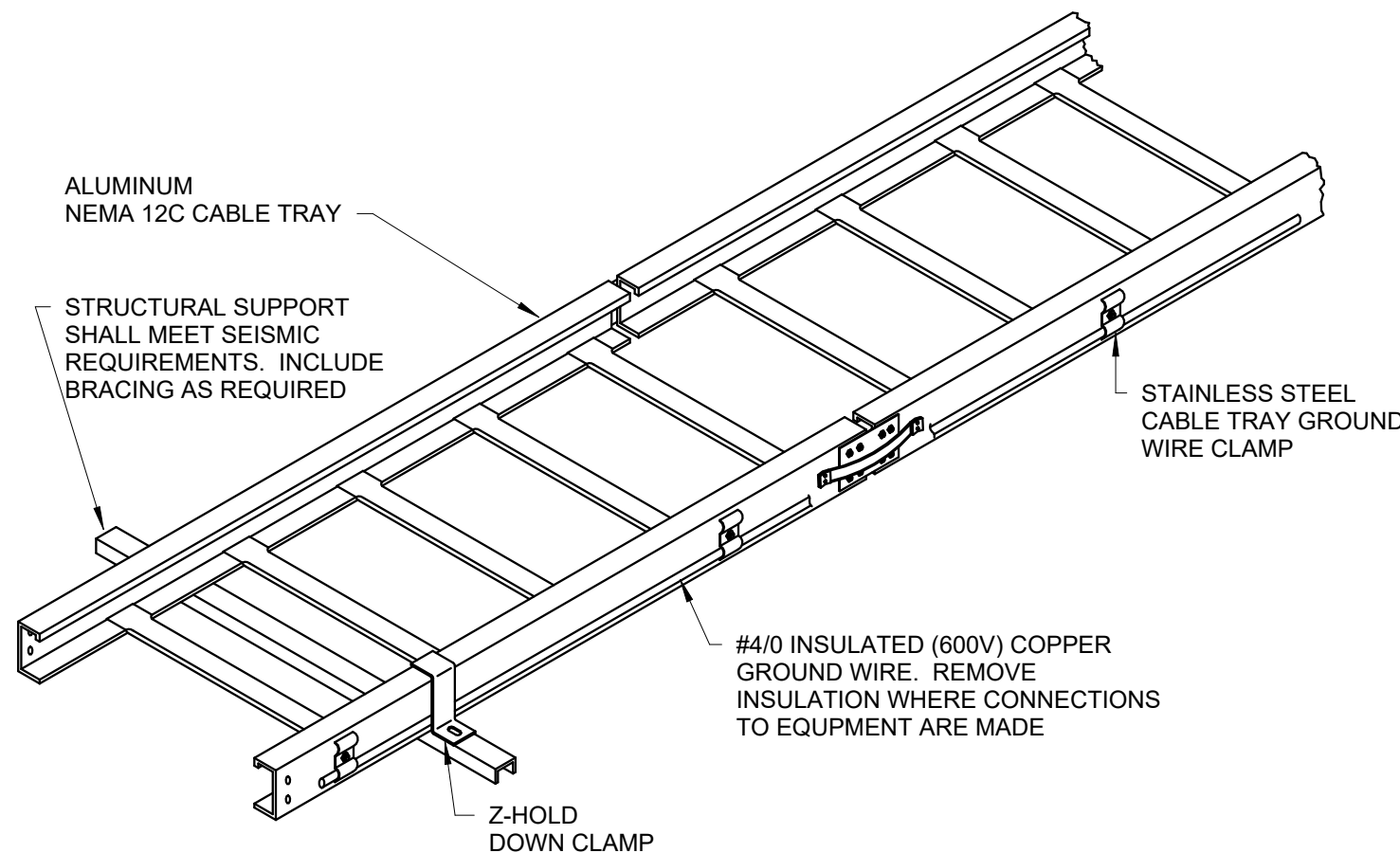
E505

NTS

7 CABLE TRAY DETAIL

E505

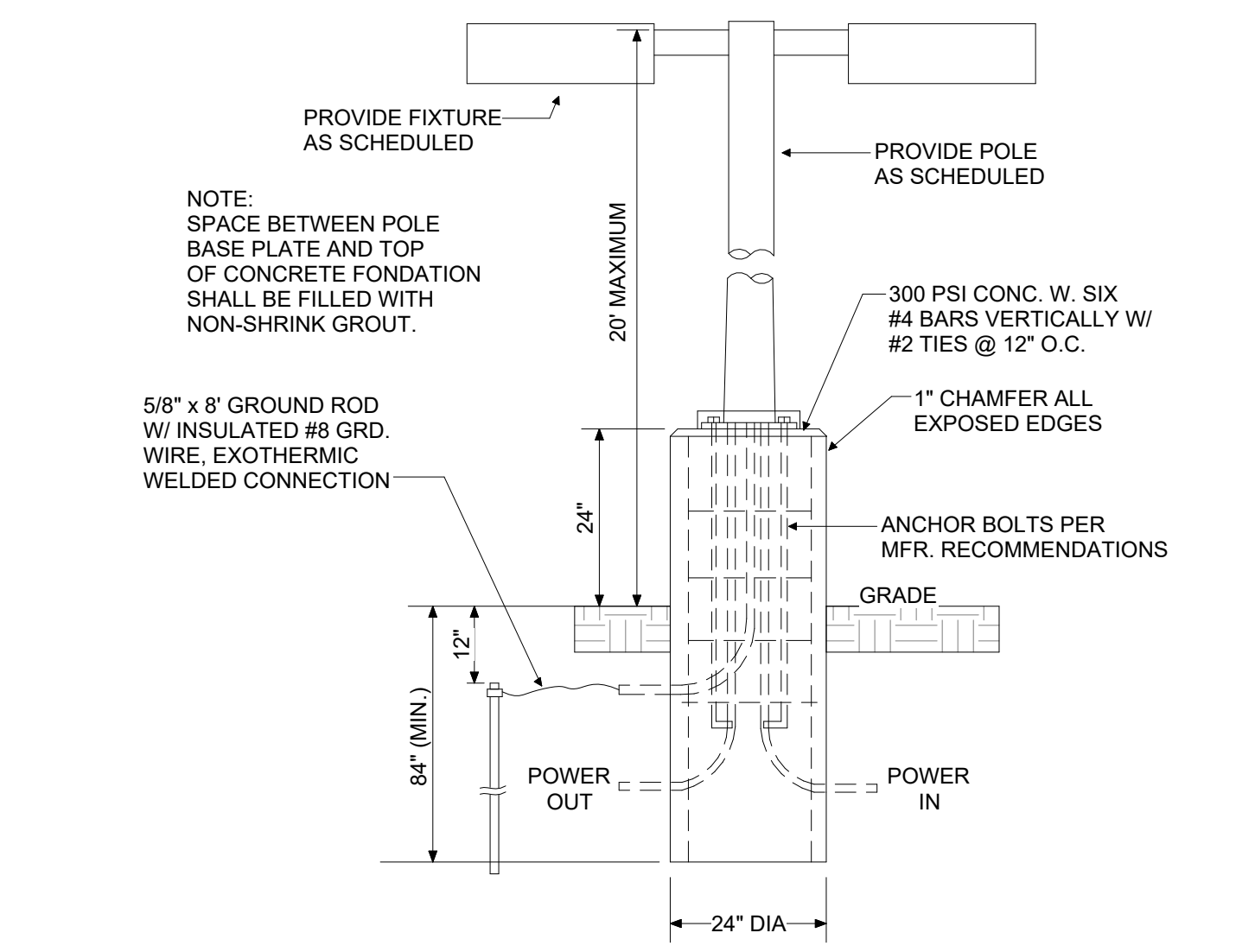
NTS



2 LIGHT POLE DETAIL

E505

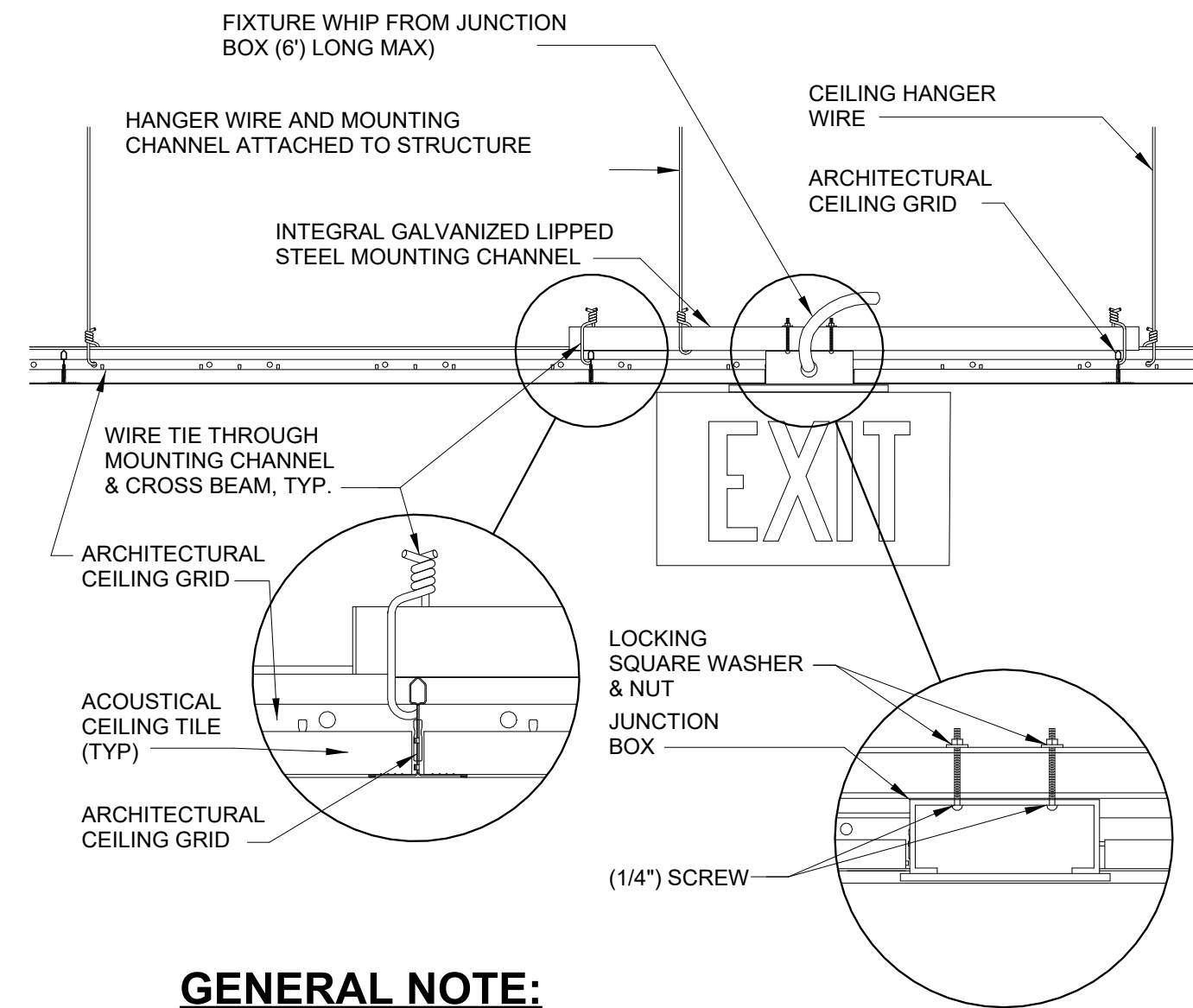
NTS



3 LIGHTNG - LINEAR LED SLOT - SUSPENDED OR SURFACE

E505

NTS



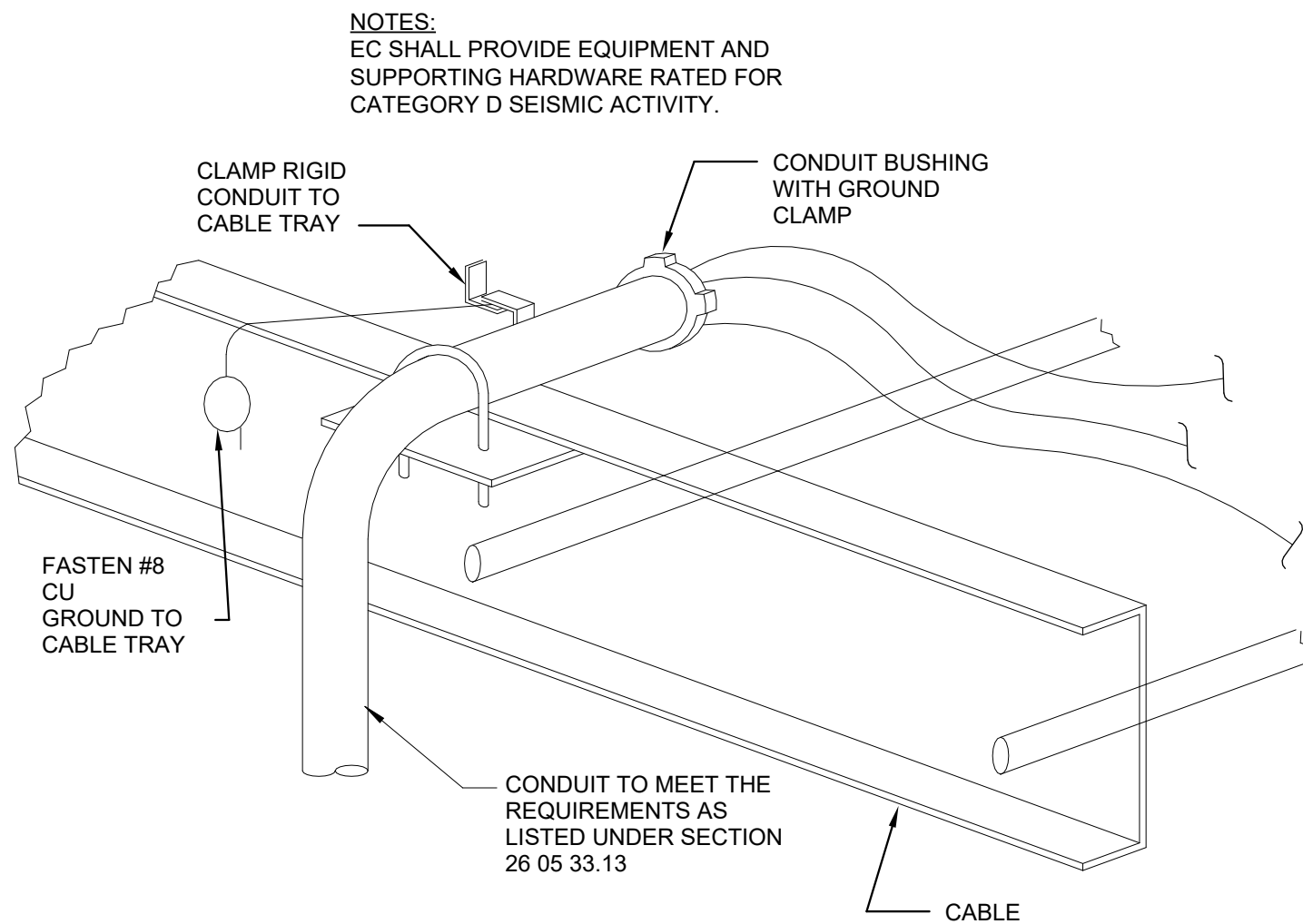
GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

4 LIGHTING - LUMINAIRE MOUNTING - LAY-IN CEILING

E505

NTS



8 CONDUIT TO CABLE TRAY MOUNTING

E505

NTS

ELECTRICAL DETAILS

GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL

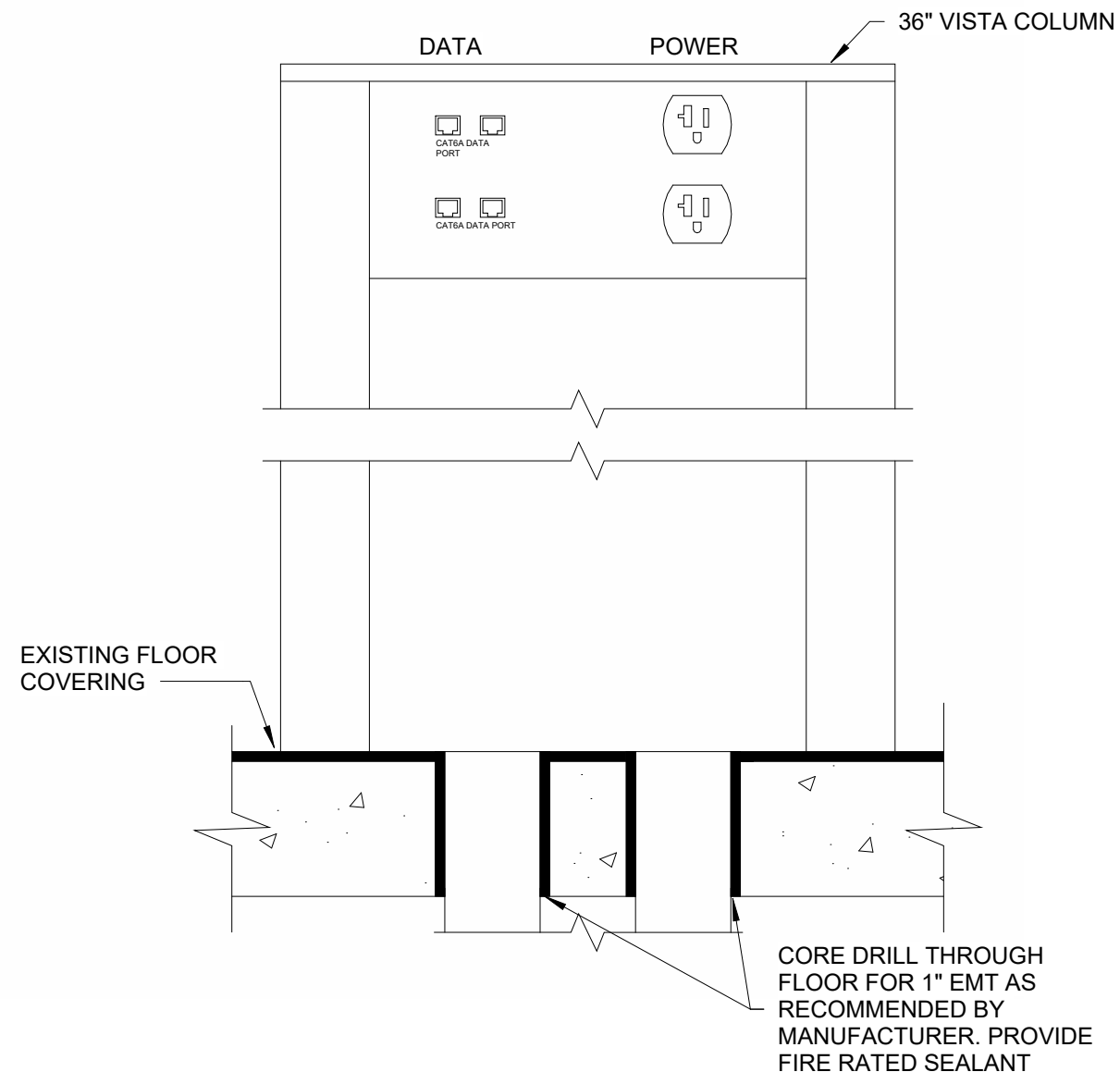
3190 Airport Dr, Gulf Shores, AL 36542

REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	06/01/24	ISSUED FOR BID

E505

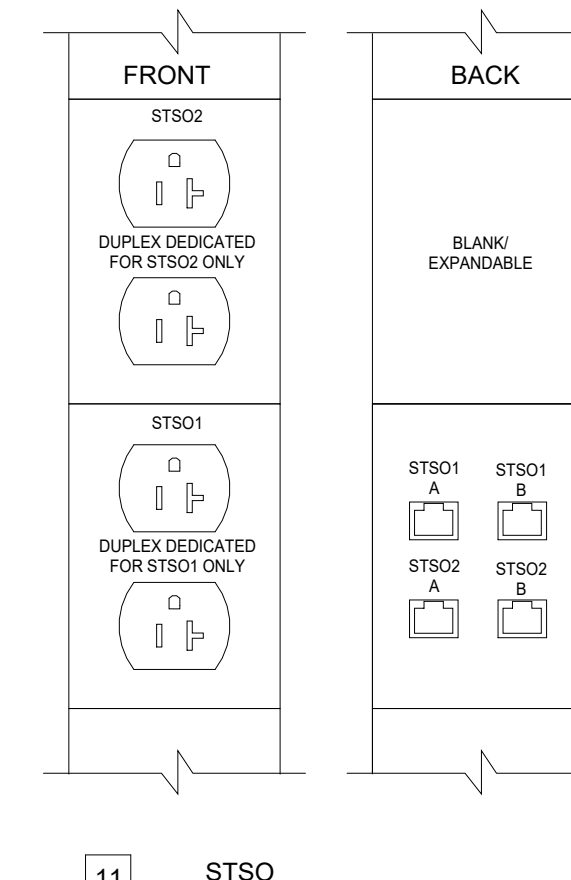
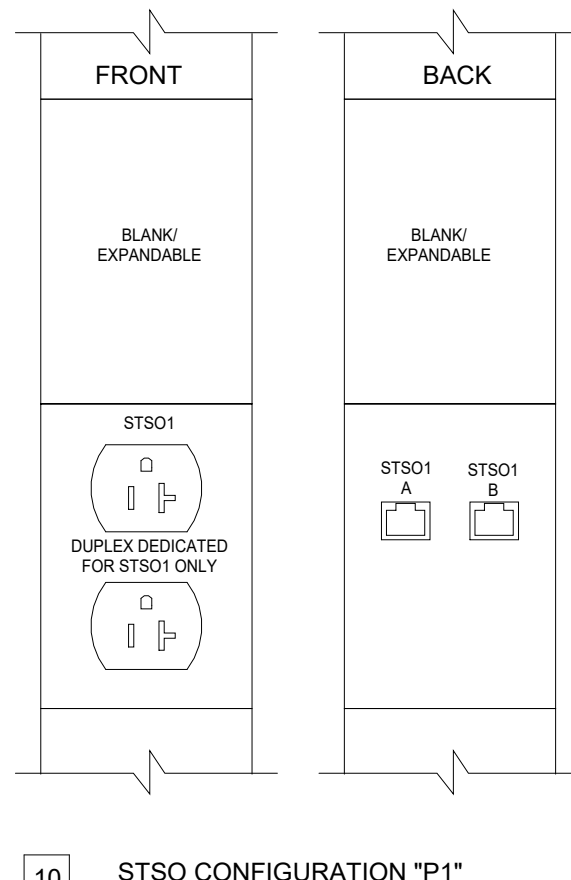
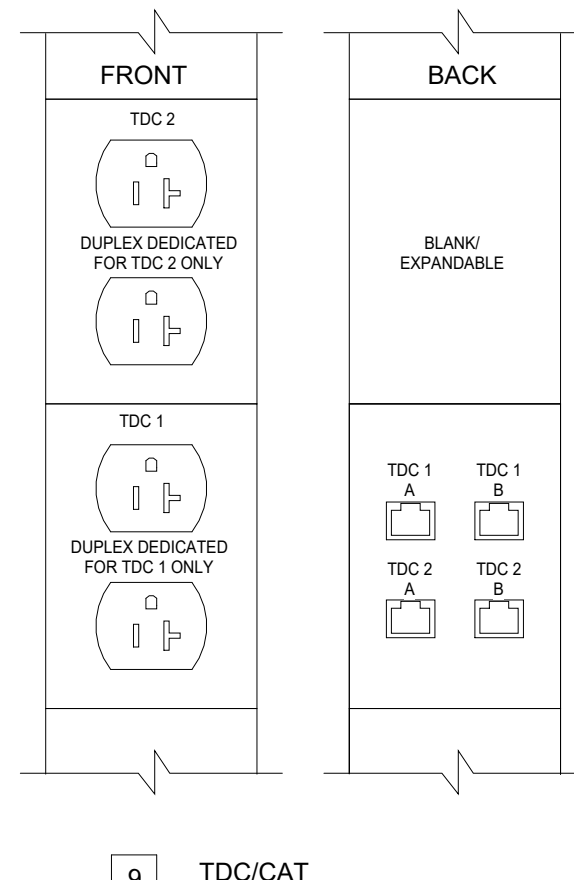
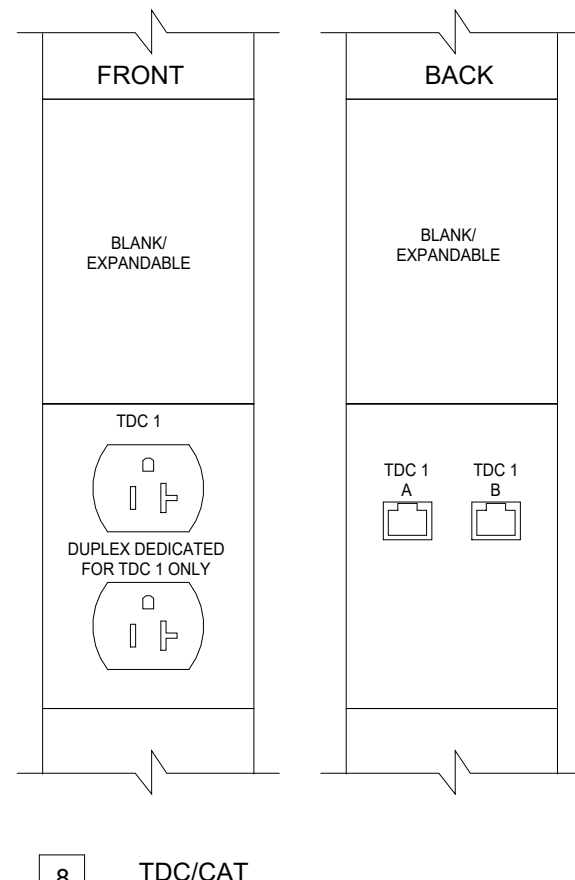
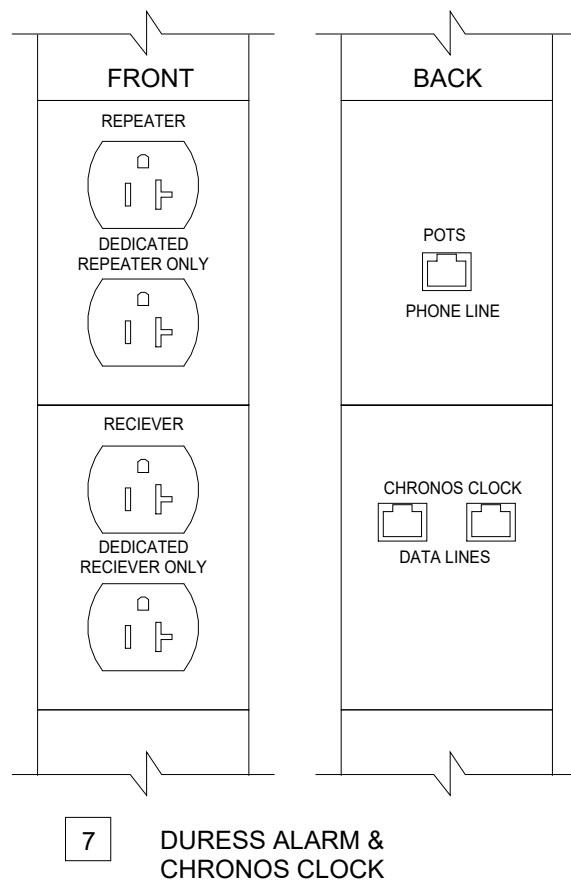
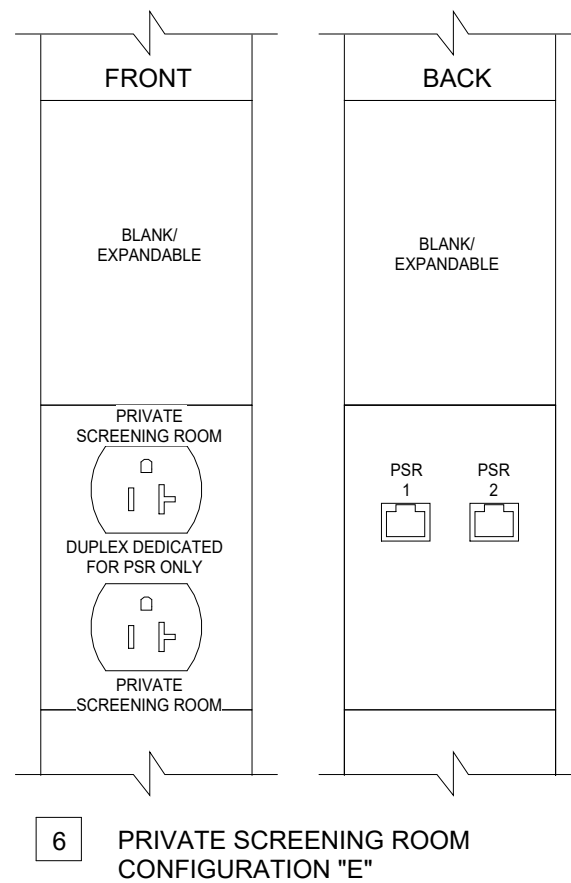
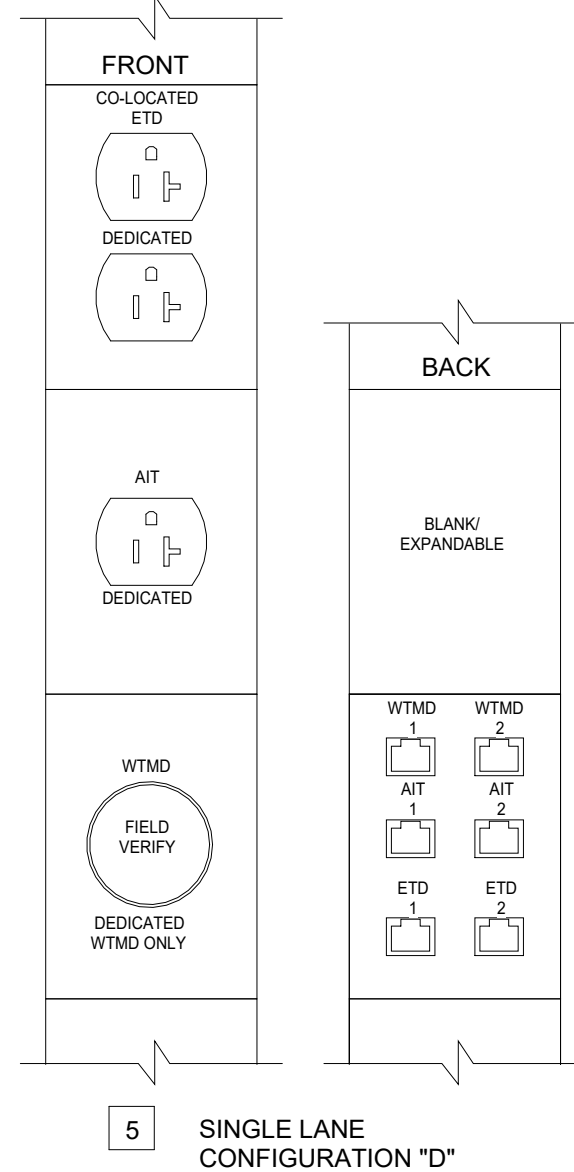
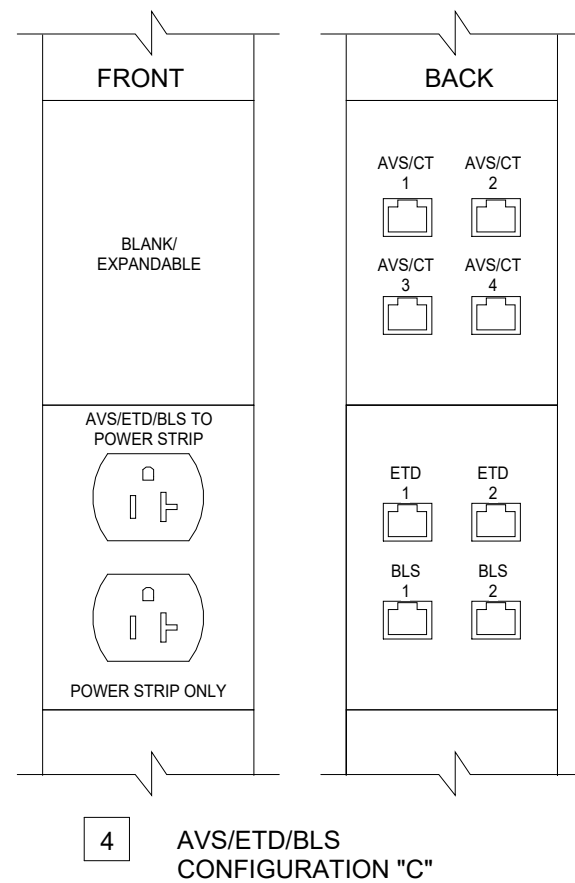
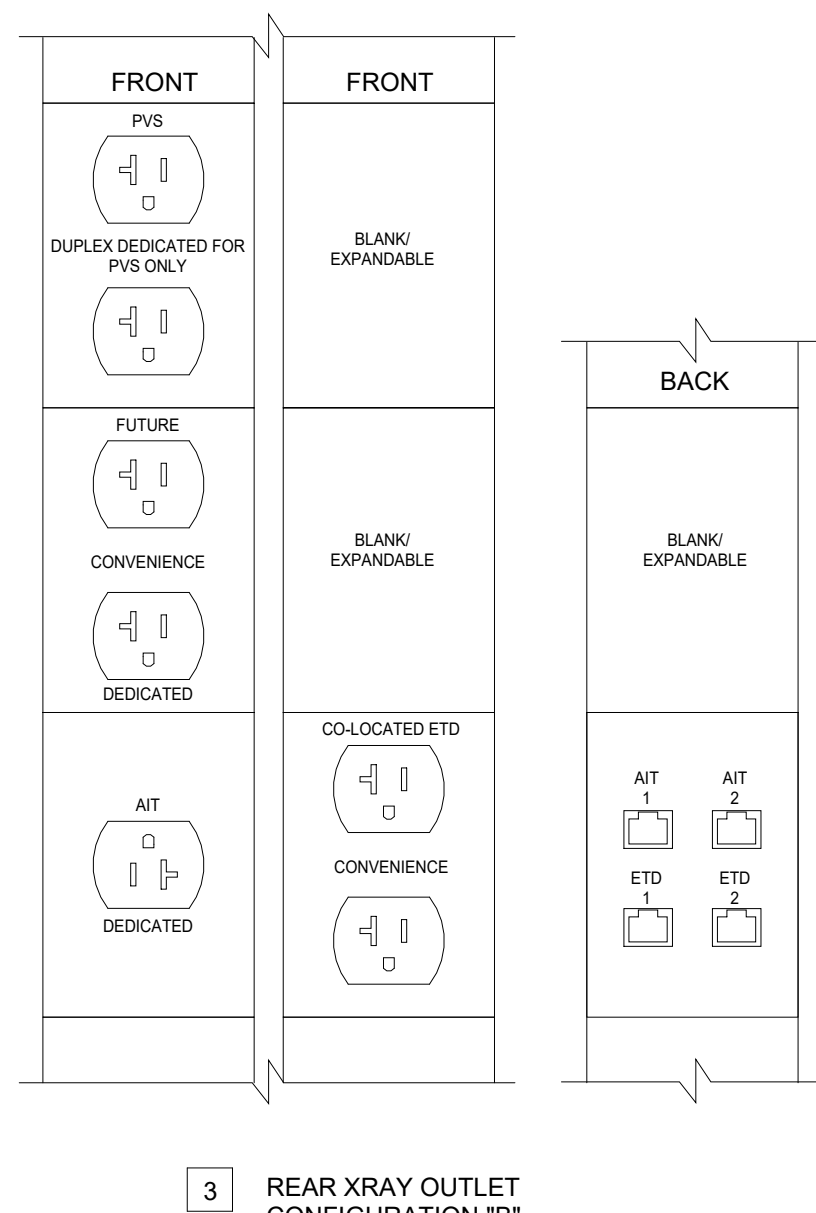
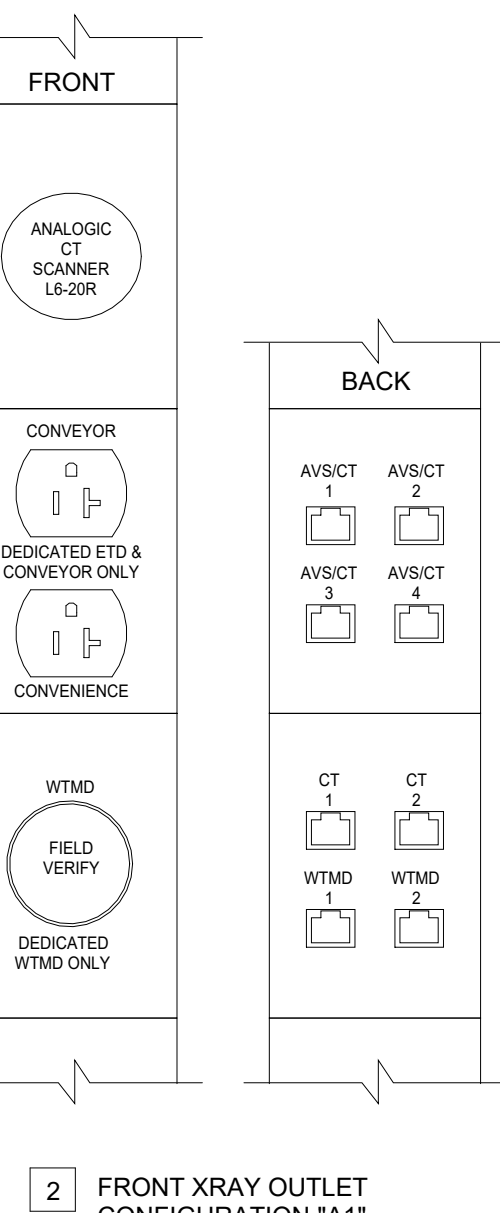
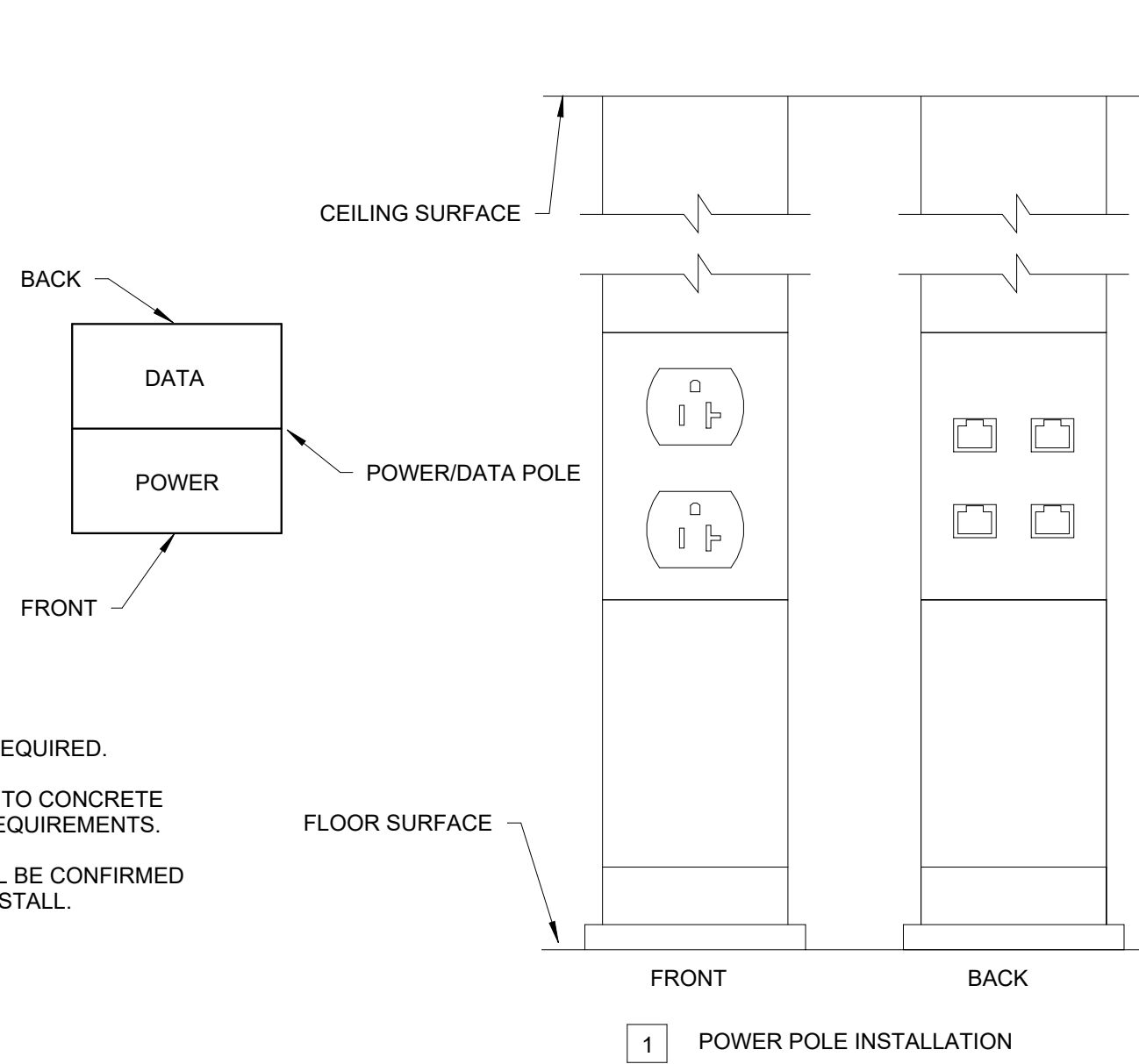
FILE NO: 3110648

Discipline: ELEC
Drawing: E506
Title: CPSS ANALOG MID-SIZE DETAILS (POWER POLES)
Date: 05/06/2024
Author: J. L. V. V. V.
Checked: J. L. V. V. V.
Reviewed: J. L. V. V. V.
Approved: J. L. V. V. V.
Project: 311064801
Revision: 1
Revision Description: Initial Issue
Revision Date: 05/06/2024
Revision By: J. L. V. V. V.
Revision For: RED



NOTES:

1. NO FLOOR CORES REQUIRED.
2. MOUNT PEDESTALS TO CONCRETE FLOORS PER TSA REQUIREMENTS.
3. ALL LABELING SHALL BE CONFIRMED BY TSA PRIOR TO INSTALL.



1 CPSS ANALOG MID-SIZE DETAILS (POWER POLES)

E506 NTS

ELECTRICAL DETAILS

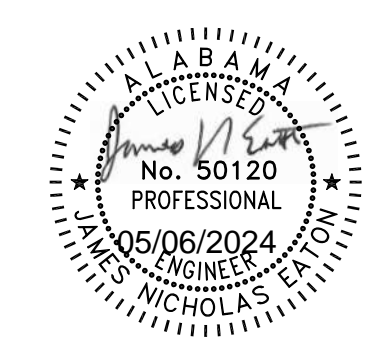
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542

REV	DATE	BY	CHK	APP	DESCRIPTION
0	05/06/24	J. L. V. V. V.	J. L. V. V. V.	J. L. V. V. V.	ISSUED FOR RED

E506

FILE NO: 3110648

BARGE
DESIGN SOLUTIONS®
815 360 AVENUE SOUTH SUITE 100 NASHVILLE, TN 37210
PHONE: 615.246.5000





LIGHT FIXTURE SCHEDULE										
TAG	DESCRIPTION	LED	WATTS (W)	LUMENS	COLOR..	CRI	COMPANY	CATALOG NO.	VOLTAGE	REMARKS
A/AE	2X4 TROFFER CURVED DEEP CENTER	LED	34.2	4117	4000 K	80	WILLIAMS	AT2-2 4-L40/840-DIM-120	UNV	
	2X4 TROFFER SELECTABLE LUMENS	LED	34.5	4777	4000 K	80	COOPER	24ARS-L3C3-UNV	UNV	
A1/A1E	2X4 TROFFER WITH AESTHETIC TRIM RINGS	LED	30.3	4321	4000 K	80	LITHONIA	STAKP 2X4 4000LM 80CRI 40K COL MIN10 MVOLT E7W	UNV	
	2X4 TROFFER CURVED DEEP CENTER	LED	32.3	6117	4000 K	80	WILLIAMS	AT2-2 4-L55/840-DIM-120	UNV	
	2X4 TROFFER SELECTABLE LUMENS	LED	34.7	6771	4000 K	80	COOPER	24ARS-L3C3-UNV	UNV	
	2X4 TROFFER WITH AESTHETIC TRIM RINGS	LED	33.3	6431	4000 K	80	LITHONIA	STAKP 2X4 6000LM 80CRI 40K COL MIN10 MVOLT E7W	UNV	
B/B/E	2X2 TROFFER CURVED DEEP CENTER	LED	37.2	4243	4000 K	80	WILLIAMS	AT2-2 2-L40/840-DIM-120	UNV	
	2X2 TROFFER SELECTABLE LUMENS	LED	26.3	3646	4000 K	80	COOPER	22ARS-L3C3-UNV	UNV	
C/C/E	2X4 TROFFER WITH AESTHETIC TRIM RINGS	LED	30.7	4310	4000 K	80	LITHONIA	STAKP 2X2 4000LM 80CRI 40K COL MIN10 MVOLT E7W	UNV	
	6" DOWNLIGHT	LED	26.9	2335	4000 K	80	WILLIAMS	6DR-LT-L30/840-DIM UNV-LW-OF-CS	UNV	
	6" DOWNLIGHT	LED	28.6	3000	4000 K	80	COOPER	HC630D10REM7-HM6-3040-830	UNV	
	6" DOWNLIGHT	LED	34.8	3821	4000 K	80	LITHONIA	LDN6 40/30 L06 AR LSS MVOLT GZ10 EL	UNV	
D/D/E	4" INDUSTRIAL STRIP	LED	29.3	4020	5000 K	80	SIGNIFY	F5440LL850-120	UNV	
	4" INDUSTRIAL STRIP - FLAT LENS	LED	32.1	4416	4000 K	80	COOPER	4SXU-48SL-FDL UNV-L850-CD1-EL7W-U	UNV	
	4" INDUSTRIAL STRIP - FLAT LENS	LED	31.8	4000	5000 K	80	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 40K 80CRI E10W1CP	UNV	
	LED LOW BAY	LED	163	2473	4000 K	80	ILP	EDV2-24L-U40-FRL	UNV	
E/E/E	LED LOW BAY	LED	169	24420	4000 K	80	WILLIAMS	GS-4L240/840-MD-DIM-UNV	UNV	
	LED LOW BAY	LED	147	24490	4000 K	80	LITHONIA	IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRIE10WCP	UNV	
	LED LOW BAY	LED	184	24120	4000 K	80	COOPER	SFHB-122ASE-M-UNV-LB4050-CD-3P1-U	UNV	
	12" ROUND CANOPY LIGHT	LED	16.6	1077	4000 K	80	LITHONIA	OLCFM 15 DOB	UNV	
F	4" LINEAR WET LISTED CANOPY LIGHT	LED	32	4620	4000 K	80	COOPER	4APVTL-DL-SL3C3-MSWL20	UNV	
	16" SLENDER CANOPY LIGHT	LED	104	9888	3000 K	80	SIGNIFY	SFCR-DD-3-48L 700-NW-G2-UNV-MGY	UNV	
G	WALL MOUNTED EGRESS LIGHT	LED	17	600	3000 K	70	EVENTLITE	WW-AC-XX	UNV	
	WALL MOUNTED EGRESS LIGHT	LED	5.2	600	3000 K	70	COOPER	AEL231SD	UNV	
O	WALL MOUNTED EGRESS LIGHT	LED	8	700	3000 K	70	SIGNIFY	PLACEMITT-BAC	UNV	
	60" DECORATIVE HIGH BAY RING	LED	70	2550	4000 K	80	INTERLUX	1091-40-51-00-22.2 72	UNV	
	60" DECORATIVE HIGH BAY RING	LED	415	38400	4000 K	80	CAMMAN	CH1022-543-LN-40K-CLV-1-WM-PAL-ACC	UNV	
	60" DECORATIVE HIGH BAY RING	LED	150	12900	4000 K	80	COCL	SL1-P1E1M40-MW-SPG LED-40K-UNV-DM1	UNV	
SL1	AREA/SITE LED	LED	153	20050	4000 K	80	COOPER	PPFRV-2-CB0-13-20-0	UNV	POLE MOUNTED 20: SSSA5030FM2
	AREA/SITE LED - MEDIUM DISTRIBUTION	LED	112	20467	4000 K	70	SIGNIFY	OPF-M A10 840 14M AR1 208 BK	UNV	POLE MOUNTED 20: 06TRS-20-11
SL2	AREA/SITE LED - MEDIUM DISTRIBUTION	LED	165	20845	4000 K	80	LITHONIA	DSX1 LED P6 40K 80CRI 14M MVOLT DBLXD	UNV	POLE MOUNTED 20: SSA 20 6J
	AREA/SITE LED	LED	153	19984	4000 K	80	COOPER	PPFRV-2-CB0-14-20-0	UNV	POLE MOUNTED 20: SSSA5030FM2
WP1	AREA/SITE LED - WIDE DISTRIBUTION	LED	112	19487	4000 K	70	SIGNIFY	OPF-M A10 840 14W AR1 208 BK		

20A BKR				30A BKR			
AWG	480V	277V	120V	480V	277V	120V	
#12	245'-0"	140'-0"	95'-0"	160'-0"	95'-0"	N/A	
#10	405'-0"	235'-0"	160'-0"	270'-0"	155'-0"	N/A	
#8	615'-0"	355'-0"	245'-0"	410'-0"	235'-0"	N/A	
#6	960'-0"	560'-0"	380'-0"	640'-0"	365'-0"	N/A	

* MEASUREMENT SHALL BE MADE TO THE CENTER OF THE LOAD SUPPLIED BY THE CIRCUIT CONDUCTORS

** IF THE MAXIMUM DISTANCES FOR #6 AWG ARE EXCEEDED, CONTACT ENGINEER

EQUIPMENT CONNECTION SCHEDULE													
TAG	DESCRIPTION	LOCATION	LOAD		FLAM/CA	MOCP	VOLTS/ PHASE	FEEDERS (HOMERUN)			PANEL : CIRCUIT	DISCONNECT/SWITCH	NOTES
			KW	HP				WIRE	GND	COND...			
MS-EF-01	EXHAUST FAN	EXPOSED RM. 105	.2		2	15	120/1	REFER TO WIRING SCHEDULE ON SHEET E501 FOR SIZES.		MP-1:9	120V/30A/1P/NEMA 1		
MS-EF-02	EXHAUST FAN	EXPOSED RM.102	.2		1	15	120/1			MP-1:6			
MS-EF-03	EXHAUST FAN	EXPOSED RM. 105	.1		1	15	120/1			MP-1:8			
MS-HVSL-1	PROPELLER FAN	EXPOSED RM. 112		1/4	3.5	15	120/1			MP-1:21	120V/30A/1P/NEMA 1	1	
MS-HVSL-2	PROPELLER FAN	EXPOSED RM. 101		1/4	3.5	15	120/1			MP-1:1		1	
MS-HVSL-3	PROPELLER FAN	EXPOSED RM. 101		1/4	3.5	15	120/1			MP-1:10			
MS-HVSL-4	PROPELLER FAN	EXPOSED RM. 118		1/4	3.5	15	120/1			MP-1: 23		1	
MS-HVSL-5	PROPELLER FAN	EXPOSED RM. 118		1/4	3.5	15	120/1			MP-1:22		1	
NF-AHU-01	AIR HANDLING UNIT	EXTERIOR SOUTH WALL	1.8		9	15	208/1			MP-1:14,16	208V/30A/2P/NEMA 1		
NF-AHU-02	AIR HANDLING UNIT	EXTERIOR SOUTH WALL	1.8		9	15	208/1			MP-1:13,15			
NF-AHU-03	AIR HANDLING UNIT	EXTERIOR NORTH WALL	1.8		9	15	208/1			MP-1:5,7			
NF-AHU-04	AIR HANDLING UNIT	EXTERIOR NORTH WALL	1.8		9	15	208/1			MP-1:17,19			
NF-AHU-05	AIR HANDLING UNIT	EXTERIOR SOUTH WALL	1.8		9	15	208/1			DPE-1:7,9			
NF-AHU-06	AIR HANDLING UNIT	EXTERIOR SOUTH WALL	1.8		9	15	208/1			DPE-1:11,13			
NF-AHU-07	AIR HANDLING UNIT	EXTERIOR SOUTH WALL	1.8		9	15	208/1			DPE-1:8,10			
NF-AHU-08	AIR HANDLING UNIT	EXTERIOR NORTH WALL	1.8		9	15	208/1			MP-1:18,20			
NF-AHU-09	AIR HANDLING UNIT	EXTERIOR NORTH WALL	1.8		9	15	208/1			MP-1:2,4			
NF-AHU-10	AIR HANDLING UNIT	EXTERIOR NORTH WALL	1.8		9	15	208/1			MP-1:1,3			
NF-EWH-1	ELECTRIC WATER HEATER	JANITOR 115	5.5		26	30	208/1			MP-1:24,26	208V/30A/2P/NEMA 1		
MS-HWP-1	HOT WATER PUMP	JANITOR 115	.092		.8	15	120/1			MP-1:25	120V/30A/1P/NEMA 1		
NF-HP-01	HEAT PUMP	EXTERIOR SOUTH WALL	5.8		28	60	208/1			MP-1:43,45	208V/60A/2P/NEMA 3R		
NF-HP-02	HEAT PUMP	EXTERIOR SOUTH WALL	5.8		28	60	208/1			MP-1:40,42			
NF-HP-03	HEAT PUMP	EXTERIOR NORTH WALL	5.8		28	60	208/1			MP-1:48,50			
NF-HP-04	HEAT PUMP	EXTERIOR NORTH WALL	5.8		28	60	208/1			MP-1:51,53			
NF-HP-05	HEAT PUMP	EXTERIOR SOUTH WALL	5.8		28	60	208/1			DPE-1:15,17			
NF-HP-06	HEAT PUMP	EXTERIOR SOUTH WALL	5.8		28	60	208/1			DPE-1:12,14			
NF-HP-07	HEAT PUMP	EXTERIOR SOUTH WALL	5.8		28	60	208/1			DPE-1:1,3			
NF-HP-08	HEAT PUMP	EXTERIOR NORTH WALL	5.8		28	60	208/1			MP-1:52,54			
NF-HP-09	HEAT PUMP	EXTERIOR NORTH WALL	5.8		28	60	208/1			MP-1:39,41			
NF-HP-10	HEAT PUMP	EXTERIOR NORTH WALL	5.8		28	60	208/1			MP-1:36,38			
NF-AUX-01	AUXILARY HEAT	EXTERIOR SOUTH WALL	11.9		57.6	80	208/1		MP-1:47,49	240V/100A/2P/NEMA 1			
NF-AUX-02	AUXILARY HEAT	EXTERIOR SOUTH WALL	11.9		57.6	80	208/1		MP-1:44,46				
NF-AUX-03	AUXILARY HEAT	EXTERIOR NORTH WALL	11.9		57.6	80	208/1		MP-1:28,30				
NF-AUX-04	AUXILARY HEAT	EXTERIOR NORTH WALL	11.9		57.6	80	208/1		MP-1:24,26				
NF-AUX-05	AUXILARY HEAT	EXTERIOR SOUTH WALL	11.9		57.6	80	208/1		DPE-1:16,18				
NF-AUX-06	AUXILARY HEAT	EXTERIOR SOUTH WALL	11.9		57.6	80	208/1		DPE-1:20,22				
NF-AUX-07	AUXILARY HEAT	EXTERIOR SOUTH WALL	11.9		57.6	80	208/1		DPE-1:19,21				
NF-AUX-08	AUXILARY HEAT	EXTERIOR NORTH WALL	11.9		57.6	80	208/1		MP-1:35,37				
NF-AUX-09	AUXILARY HEAT	EXTERIOR NORTH WALL	11.9		57.6	80	208/1		MP-1:32,34				
NF-AUX-10	AUXILARY HEAT	EXTERIOR NORTH WALL	11.9		57.6	80	208/1		MP-1:31,33				
NF- BC ROLL UP													

MDP-1

Service: 120/208 Wye, 3 φ, 4 W

Location: BUILDING UTILITY 102

Supply From:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	PHASE A	LOAD PHASE B	PHA..	Remarks
1	PANEL RP-1	3	100 A	100 A	38 A	41 A	41 A	
2	PANEL RP-2	3	100 A	100 A	36 A	27 A	17 A	
3	PANEL RP-3	3	100 A	100 A	42 A	29 A	26 A	
4	PANEL LP-1	3	100 A	100 A	40 A	41 A	16 A	
5	PANEL MP-1	3	400 A	400 A	417 A	379 A	399 A	
6	PANEL RP-4	3	100 A	100 A	89 A	82 A	60 A	
7	Spare	3	100 A	30 A	0 A	0 A	0 A	
8	ATS-1	3	250 A	225 A	218 A	239 A	117 A	
Total Conn. Load:					102.6 kVA	97.8 kVA	80.8 kVA	
Total Amps:					877 A	837 A	673 A	

Load Classification	Connected Load	Estimated Demand	Panel Totals
Equipment	21516 VA	17212 VA	
HVAC	133110 VA	106488 VA	Total Conn. Load: 280.3 kVA
Heating	58240 VA	58240 VA	Total Est. Demand: 229.2 kVA
Lighting	12703 VA	12703 VA	Total Conn.: 778 A
Motor	2881 VA	2305 VA	Total Est. Demand: 636 A
Other	2700 VA	2700 VA	
Receptacle	49210 VA	29605 VA	

ENCLOSURE DATA:

BUS DATA

Remarks and Accessories:

Mounting: SURFACE

Feeds:

MCB Frame: 800 A

MCB Trip: 800 A

Enclosure: NEMA 1

Bus Material: COPPER

Bus Rating: 800

Fault Rating: 65 KAIC

Neutral Bus: 100.00%

Ground Bus: INCLUDED

RP-1

Service: 120/208 Wye, 3 φ, 4 W

Location: BUILDING UTILITY 102

Supply From: MDP-1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - MEP 105/CLOSET 124/FIRE ALRM...	20 A	1	6 A	2 A			1	20 A REC - BAGGAGE CLAIM 101 VENDING	2
3	REC - MEN/WOMENS BATHROOM 103/104	20 A	1		2 A	3 A		1	20 A FIRE ALARM CONTROL PANEL	4
5	REC - CLOSET 121-123	20 A	1			5 A	0 A	3	20 A LIGHTING CONTROL PANEL	6
7	REC - BAGGAGE CLAIM 101 VENDING	20 A	1	2 A	0 A			--	--	8
9	REC - OUTSIDE GFI	20 A	1		6 A	0 A		--	--	10
11	REC - BAGGAGE CLAIM CONV	20 A	1			6 A	13 A	1	20 A GENERATOR BATTERY POWER	12
13	REC - BAGGAGE CLAIM 101 VENDING	20 A	1	2 A	13 A			1	20 A GENERATOR COND HEATER	14
15	REC - BAGGAGE CLAIM 101 VENDING	20 A	1		2 A	13 A		1	20 A GENERATOR COOLANT HEATER	16
17	REC - BAGGAGE CLAIM 101 CONV.	20 A	1			5 A	0 A	1	20 A Spare	18
19	REC - BAGGAGE CLAIM 101 DESK	20 A	1	6 A	0 A			1	20 A Spare	20
21	REC - BAGGAGE CLAIM 101 CONV.	20 A	1		8 A	0 A		1	20 A Spare	22
23	REC - BAGGAGE CLAIM 101 DESK	20 A	1			8 A	0 A	1	20 A Spare	24
25	REC - BAGGAGE CLAIM 101 CONV.	20 A	1	5 A	--			1	-- Space	26
27	REC - MEN PUBLIC 103	20 A	1		2 A	--		1	-- Space	28
29	REC - WOMEN PUBLIC 102	20 A	1			2 A	--	1	-- Space	30
31	REC - WOMEN PUBLIC 102	20 A	1	2 A	--			1	-- Space	32
33	REC - BAGGAGE CLAIM DESK	20 A	1		3 A	--		1	-- Space	34
35	REC - BAGGAGE CLAIM DESK	20 A	1			3 A	--	1	-- Space	36
37	REC - CLO 124	20 A	1	2 A	--			1	-- Space	38
39	IT RACK	20 A	1		3 A	--		1	-- Space	40
41	Spare	20 A	1			0 A	--	1	-- Space	42
Total Load:				4.5 kVA	5 kVA	5 kVA				
Total Amps:				38 A	41 A	41 A				

Load Classification	Connected Load	Estimated Demand	Panel Totals
Equipment	4850 VA	3880 VA	
Receptacle	9000 VA	9000 VA	
			Total Conn. Load: 14 kVA
			Total Est. Demand: 13 kVA
			Total Conn.: 38 A
			Total Est. Demand: 36 A

ENCLOSURE DATA	BUS DATA	Remarks and Accessories:
Mounting: SURFACE	Bus Material: COPPER	
Feeds:	Bus Rating: 100 A	
MCB Frame: 100 A	Fault Rating: 22 KAIC	
MCB Trip: 100 A	Neutral Bus: 100%	
Enclosure: NEMA 1	Ground Bus: Included	

RP-2										Service: 120/208 Wye, 3 φ, 4 W	
Supply From: MDP-1										Location: STERILE DEPARTMENT AND CIRCULATION 118	
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC - DEPARTURE CONV/TV	20 A	1	8 A	6 A			1	20 A REC - DEPARTURE CONV/TVS	2	
3	REC - DEPARTURE 118 VENDING	20 A	1		2 A	2 A		1	20 A REC - DEPARTURE 118 VENDING	4	
5	REC - DEPARTURE 118 VENDING	20 A	1			2 A	2 A	1	20 A REC - DEPARTURE 118 VENDING	6	
7	REC - FLOOR BOXES DEPARTURE	20 A	1	6 A	3 A			1	20 A REC - DEPARTURE 118 WATER FOUNTAIN	8	
9	REC - MEN BATHROOM 113	20 A	1		3 A	6 A		1	20 A REC - FLOOR BOXES DEPARTURE	10	
11	REC - MEN BATHROOM 113	20 A	1			2 A	5 A	1	20 A REC - DEPARTURE COUNTRYTV	12	
13	REC - DEPARTURE DESK/TV	20 A	1	5 A	6 A			1	20 A REC - FLOOR BOXES DEPARTURE	14	
15	REC - FLOOR BOXES DEPARTURE	20 A	1		6 A	6 A		1	20 A REC - FLOOR BOXES DEPARTURE	16	
17	REC - FLOOR BOXES DEPARTURE	20 A	1			6 A	0 A	1	20 A Spare	18	
19	REC - MEN BATHROOM 113	20 A	1	2 A	0 A			1	20 A Spare	20	
21	REC - WOMENS RESTROOM 114	20 A	1		2 A	0 A		1	20 A Spare	22	
23	REC - WOMENS RESTROOM 114	20 A	1			2 A	0 A	1	20 A Spare	24	
25	Spare	20 A	1	0 A	--			1	-- Spare	26	
27	Spare	20 A	1		0 A	--		1	-- Spare	28	
29	Spare	20 A	1			0 A	--	1	-- Spare	30	
31	Spare	20 A	1	0 A	--			1	-- Spare	32	
33	Spare	--	1		--	--	--	1	-- Spare	34	
35	Spare	--	1		--	--	--	1	-- Spare	36	
37	Spare	--	1	--	--	--	--	1	-- Spare	38	
39	Spare	--	1		--	--	--	1	-- Spare	40	
41	Spare	--	1		--	--	--	1	-- Spare	42	
Total Load:				4.2 kVA	3 kVA	2 kVA					
Total Amps:				36 A	27 A	17 A					
Load Classification		Connected Load			Estimated Demand			Panel Totals			
Receptacle		9190 VA			9190 VA			Total Conn. Load: 9 kVA			
								Total Est. Demand: 9 kVA			
								Total Conn.: 26 A			
								Total Est. Demand: 26 A			
ENCLOSURE DATA				BUS DATA		Remarks and Accessories:					
Mounting: RECESSED				Bus Material: COPPER							
Feeds:				Bus Rating: 100 A							
MCB Frame: 100 A				Fault Rating: 22 KAIC							
MCB Trip: 100 A				Neutral Bus: 100%							
Enclosure: NEMA 1				Ground Bus: Included							

RP-3

Service: 120/208 Wye, 3 φ, 4 W

Location: TSA BAGGAGE SCREENING 120

Supply From: MDP-1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - TICKET TVS/CONV	20 A	1	9 A	8 A			1	20 A REC - PATIO CONV.	2
3	REC - AIRLINE OFFICE 119	20 A	1		8 A	2 A		1	20 A REC - LOBBY WATER FOUNTAIN	4
5	TICKET FLOOR BOXES	20 A	1			2 A	5 A	1	20 A REC - TICKETING LOBBY CONV	6
7	REC - TICKETING LOBBY CONV	20 A	1	6 A	8 A			1	20 A REC - LOBBY AND EXIT CONV.	8
9	REC - TSA BAGGAGE	20 A	1		6 A	2 A		2	20 A CT-80DR+ XRAY	10
11	REC - TSA BAGGE PVS	20 A	1					--	--	12
13	BUILDING SIGNAGE	20 A	1	4 A	2 A			1	20 A TICKET FLOOR BOXES	14
15	PAID PARKING METER	20 A	1		4 A	2 A		1	20 A TICKET FLOOR BOXES	16
17	MONUMENT SIGN	20 A	1			4 A	0 A	1	20 A Spare	18
19	FUTURE LANDSCAPING LIGHT FIXTURES	20 A	1	4 A	0 A			1	20 A Spare	20
21	PARKING GATE KEYPAD	20 A	1		4 A	0 A		1	20 A Spare	22
23	REMOTE ANNUNCIATOR PANEL	20 A	1				4 A	--	--	24
25	REC - TICKETING LOBBY TVS	20 A	1	2 A	--	2 A	--	1	--	26
27	REC - TICKET LOBBY TVS	20 A	1		2 A	--		1	--	28
29	REC - TICKETING LOBBY TVS	20 A	1				2 A	--	--	30
31	Spare	20 A	1	0 A	--			1	--	32
33	Spare	20 A	1		0 A	--		1	--	34
35	Spare	20 A	1				0 A	--	--	36
37	Spare	--	1	--	--			1	--	38
39	Spare	--	1		--			1	--	40
41	Spare	--	1			--	--	1	--	42
Total Load:				5.0 kVA	3 kVA		3 kVA			
Total Amps:				42 A	29 A		26 A			

Load Classification

Equipment

Receptacle

Connected Load

3000 VA

7980 VA

Estimated Demand

2400 VA

7980 VA

Panel Totals

Total Conn. Load: 11 kVA

Total Est. Demand: 10 kVA

Total Conn.: 30 A

Total Est. Demand: 29 A

ENCLOSURE DATA

Mounting: RECESSED

Feeds:

MCB Frame: 100 A

MCB Trip: 100 A

Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER

Bus Rating: 100 A

Fault Rating: 22 kAIC

Neutral Bus: 100%

Ground Bus: Included

Remarks and Accessories:



GULF SHORES AIRPORT AUTHORITY

3190 Airport Dr. Gulf Shores. AL 36542

REVISION INFORMATION				
REV	NO	DATE	DESCRIPTION	

FILE NO: 3110648

DPE-1

Supply From:ATS-01

Service: 120/208 Wye, 3 φ, 4 W

Location: BUILDING UTILITY 102

CKT	Circuit Description	Trip	Poles	A	B	Utility 102	Poles	Trip	Circuit Description	CKT	
1	NF-HP-07	60 A	2	28 A	27 A			3	50 A	LPE-1	2
3	--	--	--	--	28 A	15 A		--	--	--	4
5	--	--	--	--	--	--	0 A	--	--	--	6
7	NF-AHU-05	15 A	2	6 A	6 A			2	15 A	NF-AHU-07	8
9	--	--	--	--	6 A	6 A		--	--	--	10
11	NF-AHU-06	15 A	2	--	--	6 A	28 A	2	60 A	NF-HP-06	12
13	--	--	--	6 A	28 A			--	--	--	14
15	NF-HP-05	60 A	2	--	28 A	58 A		2	80 A	NF-AUX-05	16
17	--	--	--	--	--	28 A	58 A	--	--	--	18
19	NF-AUX-07	80 A	2	58 A	58 A			2	80 A	NF-AUX-06	20
21	--	--	--	--	58 A	58 A		--	--	--	22
23	RPE-1	50 A	3	--	--	15 A	0 A	1	20 A	Spare	24
25	--	--	--	17 A	0 A			1	20 A	Spare	26
27	--	--	--	--	3 A	0 A		1	20 A	Spare	28
29	Space	--	1	--	--	--	0 A	1	20 A	Spare	30
		Total Load:		24.6 kVA		27 kVA		14 kVA			
		Total Amps:		218 A		239 A		117 A			

Load Classification	Connected Load	Estimated Demand	Panel Totals
HVAC	39933 VA	31946 VA	
Heating	17472 VA	17472 VA	Total Conn. Load: 66 kVA
Receptacle	3780 VA	3780 VA	Total Est. Demand: 58 kVA
Lighting	4550 VA	4550 VA	Total Conn.: 182 A
			Total Est. Demand: 160 A

ENCLOSURE DATA	BUS DATA	Remarks and Accessories:
Mounting: SURFACE	Bus Material: COPPER	
Feeds:	Bus Rating: 250 A	
MCB Frame: 225 A	Fault Rating: 22 KAIC	
MCB Trip: 225 A	Neutral Bus: 100%	
Enclosure: NEMA 1	Ground Bus: Included	

LPE1

Service: 120/208 Vye, 3 ϕ , 4 W

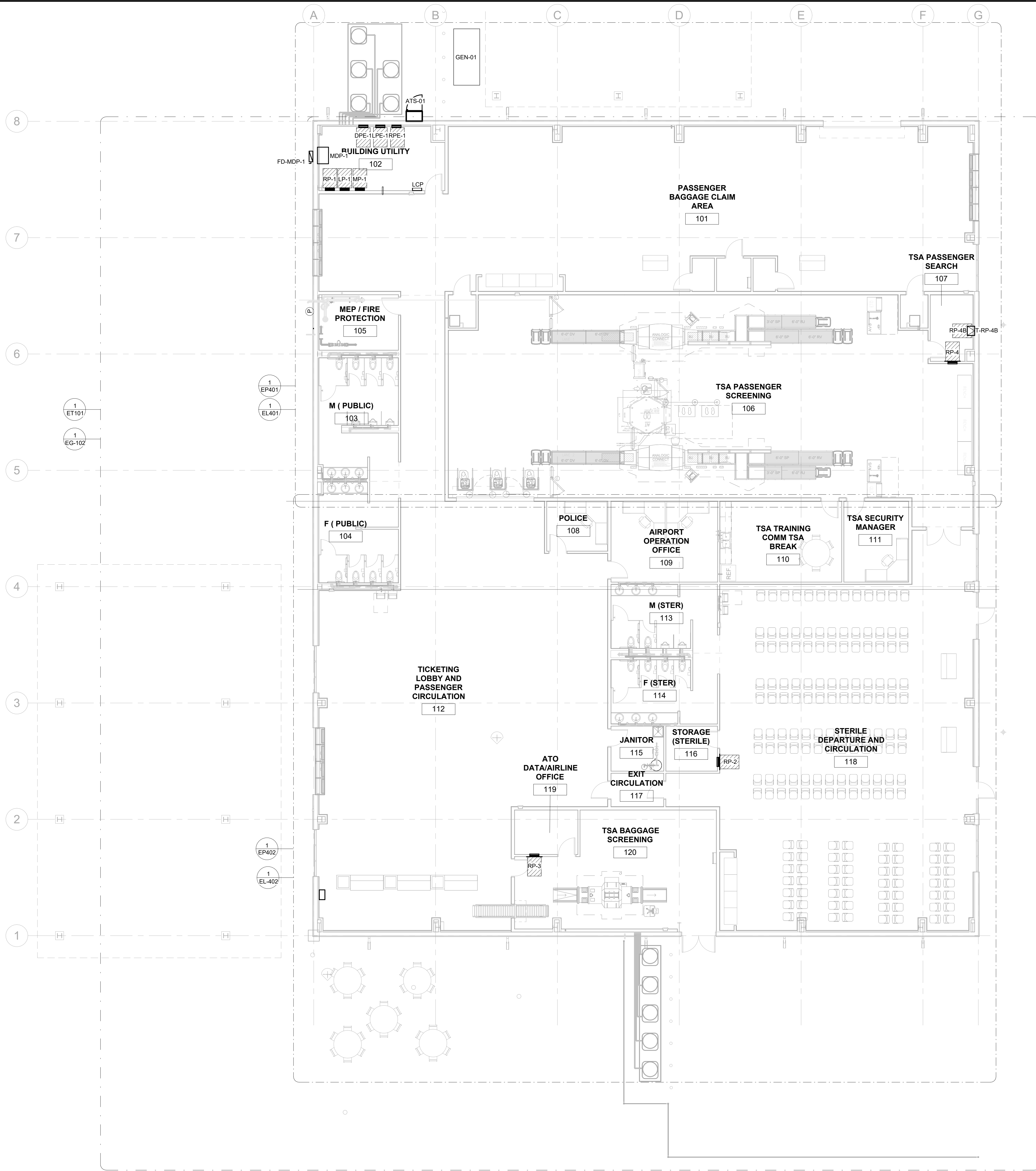
Supply From: DPE-1

Location: BUILDING UTILITY 102

Circuit Description										Circuit Description										CKT					
CKT																									
1	LTS - BAGGAGE CLAIM/TSA/RESTROOMS	20 A	1	19 A	6 A							1	20 A	LTS - TSA SECURITY/DEPARTURE					2						
3	LTS - LOBBY/TSA BAGGAGE	20 A	1			13 A	0 A					1	20 A	Spare					4						
5	Spare	20 A	1					0 A	0 A			1	20 A	Spare					6						
7	Spare	20 A	1	0 A	0 A							1	20 A	Spare					8						
9	Spare	20 A	1			0 A	0 A					1	20 A	Spare					10						
11	Spare	20 A	1					0 A	0 A			1	20 A	Spare					12						
13	Spare	20 A	1	0 A	0 A							1	20 A	Spare					14						
15	Space	--	1			--	--					1	--	Space					16						
17	Space	--	1							--	--	1	--	Space					18						
19	Space	--	1	--	--							1	--	Space					20						
21	Space	--	1			--	--					1	--	Space					22						
23	Space	--	1							--	--	1	--	Space					24						
25	Space	--	1	--	--							1	--	Space					26						
27	Space	--	1			--	--					1	--	Space					28						
29	Space	--	1			--	--					1	--	Space					30						
Total Load:				3.0 kVA		2 kVA		0 kVA																	
Total Amps:				27 A		15 A		0 A																	
Load Classification			Connected Load			Estimated Demand			Panel Totals																
Lighting			4550 VA			4550 VA																			
													Total Conn. Load: 5 kVA												
													Total Est. Demand: 5 kVA												
													Total Conn.: 13 A												
													Total Est. Demand: 13 A												
ENCLOSURE DATA													BUS DATA												
Mounting: SURFACE													Bus Material: COPPER												
Feeds:													Bus Rating: 60A												
MCB Frame: 60 A													Fault Rating: 22 KAIC												
MCB Trip: 50 A													Neutral Bus: 100%												
Enclosure: NEMA 1													Ground Bus: Included												
													Remarks and Accessories:												

12
E603, ELECTRICAL SCHEDULES
Autodesk Docs\Gulf Shores New Terminal - 3110848310648_GSNT_E_V24.rvt
5/8/2024 12:24:32 PM

Drawn by: J. L. B. 08/08/2024
Checked by: J. L. B. 08/08/2024
Title: Overall Electrical Plan
Date: 08/08/2024 10:05 PM

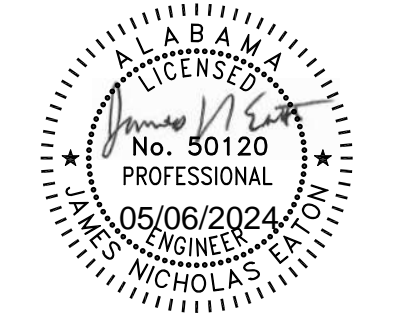


1 OVERALL ELECTRICAL PLAN
1/8" = 1'-0"



REVISION INFORMATION		DESCRIPTION
REV	DATE	DESCRIPTION
0	08/08/24	ISSUED FOR BID

OVERALL ELECTRICAL PLAN
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542



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PHONE: 615.254.5500

EG101
FILE NO: 3110648



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

PLAN NORTH

EG102

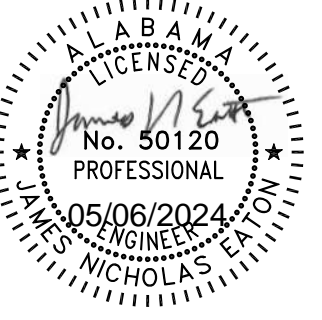
FILE NO: 3110648

OVERALL GROUNDING PLAN

GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

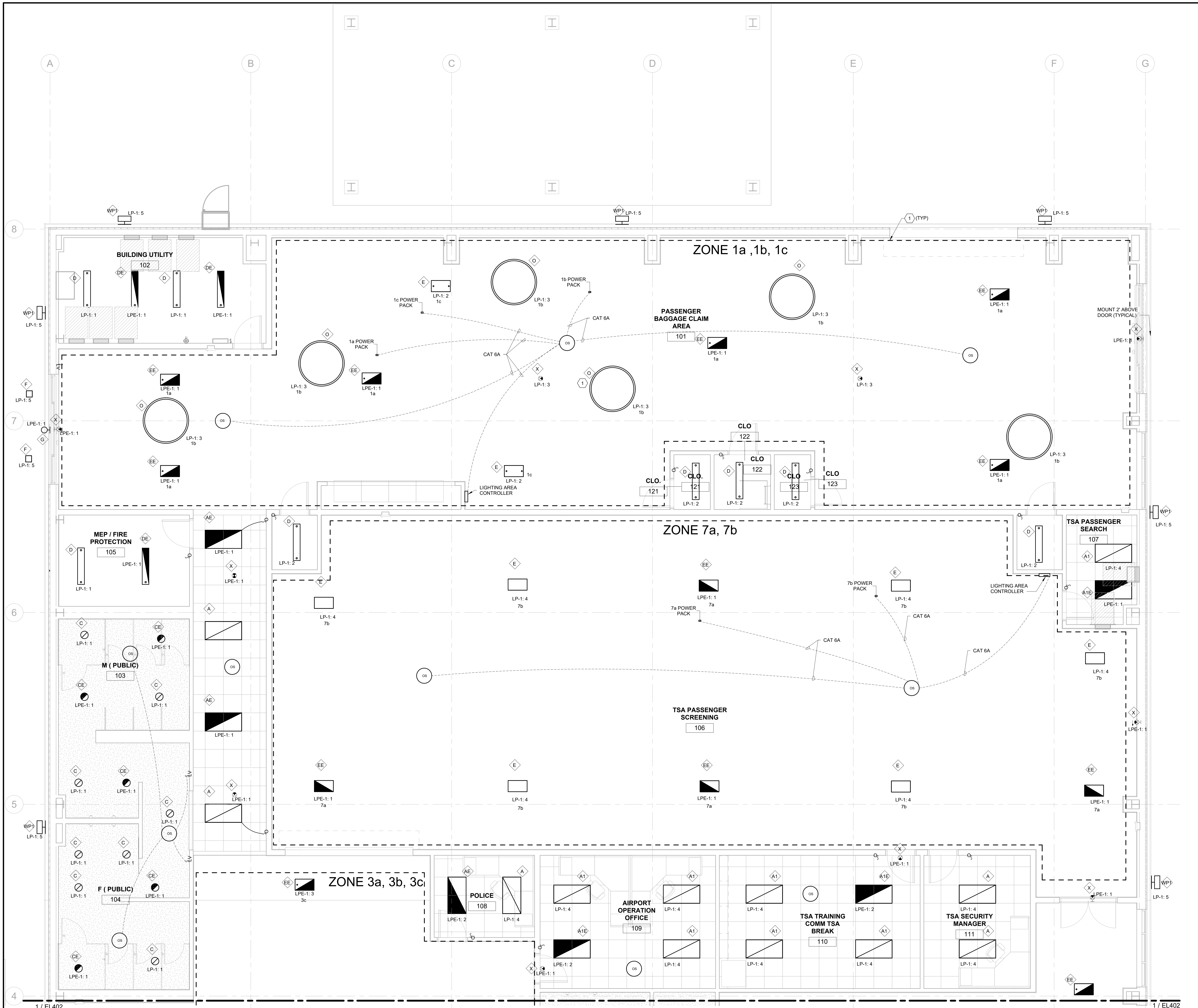
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PHONE: (615) 254-1599

Drawn By: J. B. B. Electrical Lighting Plan
Checked By: J. B. B. Electrical Lighting Plan
Date: 05/06/2024
Time: 10:25:11 PM
Project: 31106401 NEW AL 36542



- ### GENERAL NOTES
- ALL ZONED FIXTURES TO BE MOUNTED AT 20' A.F.F.
 - WALL PACKS 'WP1' TO BE MOUNTED AT 12' A.F.F.
 - ALL EXTERIOR FIXTURES TO BE CONTROLLED BY CONTRACTOR PROVIDED TIMECLOCK/PHOTOCELL. LOCATE TIMECLOCK IN BUILDING UTILITY ROOM.

- ### KEYED NOTES:
- TYPE 'O' LIGHT FIXTURE TO BE ZONE 1A.
 - TYPE 'C1' LIGHT FIXTURE TO BE ZONE 1B.
 - TYPE 'C1' LIGHT FIXTURE TO BE ZONE 3B.

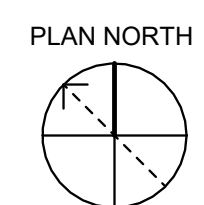
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815 360 AVENUE SOUTH SUITE 106 / NASHVILLE, TN 37210
PHONE: 615.246.5000

ELECTRICAL LIGHTING PLAN
GULF SHORES AIRPORT AUTHORITY
GULF SHORES NEW TERMINAL
3190 Airport Dr, Gulf Shores, AL 36542

REV	DATE	BY	CHK	APP	DESCRIPTION
0					ISSUED FOR RED

EL401
FILE NO: 31106401

1
EL401
LIGHTING PLAN - UPPER PLAN
SCALE: 1/4" = 1'-0"





1. ALL ZONED FIXTURES TO BE MOUNTED AT 20' A.F.F.
2. WALL PACKS 'WP1' TO BE MOUNTED AT 12' A.F.F.
3. ALL EXTERIOR FIXTURES TO BE CONTROLLED BY CONTRACTOR PROVIDED TIMECLOCK/PHOTOCELL. LOCATE TIMECLOCK IN BUILDING UTILITY ROOM.

- 1 TYPE 'O' FIXTURE TO BE ZONE 3b.
- 2 TYPE 'O' FIXTURE TO BE ZONE 5b.
- 3 OVERRIDE SWITCH FOR LOBBY/DEPARTURE/BAGGAGE CLAIM FIXTURES.

ELECTRICAL LIGHTING PLAN

GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

3190 Airport Dr. Gulf Shores. AL 36542

[illegible]

EL402

FILE NO: 3110648

12
 Inspire Sort
 EL402, ELECTRICAL LIGHTING PLAN
 drawing:
 file:
 Autodesk Docs \\Gulf Shores New Terminal - 3110948\\3110648_GSNT_E_V24.rvt



GENERAL NOTES

1. ALL EXTERIOR FIXTURES TO BE CONTROLLED BY CONTRACTOR PROVIDED TIMECLOCK/PHOTOCELL. LOCATE TIMECLOCK IN BUILDING UTILITY ROOM.

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ELECTRICAL ENLARGED LIGHTING PLAN

GULF SHORES AIRPORT AUTHORITY

GULF SHORES NEW TERMINAL

3190 Airport Dr, Gulf Shores, AL 36542

[illegible]

EL403

FILE NO: 3110648





1. COORDINATE WITH EQUIPMENT SPECIFICATION, PER TSA REQUIREMENTS. FOR ALL BREAKER AND CONDUCTOR SIZING, CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL POWER/DATA REQUIRED TO FULLY OPERATE TSA EQUIPMENT.
2. UTILIZE MINIMUM DEDICATED 1" CONDUITS TO LEAVE EXTRA ROOM IN THE CONDUITS FOR EXPANSIONS AND RISKS.
3. PROVIDE TRIP PROTECTION FOR CONDUITS ROUTED ON FLOOR.
4. REFER TO VOLTAGE DROP SCHEDULE ON SHEET E601 FOR CIRCUIT RUNS.

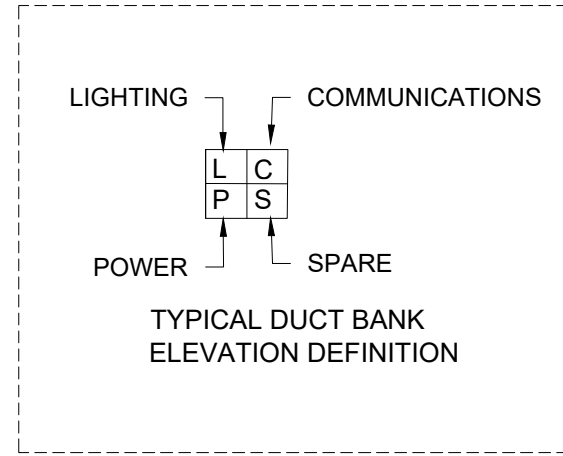
1. REFER TO DETAIL 1 SHEET E506, FIGURE 4 FOR PROPER POWER POLE CONFIGURATION.
2. REFER TO DETAIL 1 SHEET E506, FIGURE 4 FOR PROPER POWER POLE CONFIGURATION.
3. REFER TO DETAIL 1 SHEET E506, FIGURE 2 FOR PROPER POWER POLE CONFIGURATION.
4. REFER TO DETAIL 1 SHEET E506, FIGURE 9 FOR PROPER POWER POLE CONFIGURATION.
5. REFER TO DETAIL 1 SHEET E506, FIGURE 6 FOR PROPER FLOOR DEVICE CONFIGURATION OF PRIVATE SCREENING ROOM.
6. DISCONNECT PROVIDED FOR POWER CONNECTION TO BIG FANS. CONSIDER AS REQUIRED 200 A.F.F. PROVIDE J-BOX IN CEILING FOR FUTURE FAN.
7. REFER TO DETAIL 4 SHEET E503.
8. REFER TO DETAIL 2 CONTAIN SHEET E502 FOR DATA FLOOR BOX DETAIL RACEWAY MUST 2 ON 2IN 2#12, 1#12G.
9. REFER TO DETAIL 1 SHEET E506, FIGURE 7 FOR PROPER POWER POLE CONFIGURATION. PROVIDE 1" BACK TO TSA IT RACK.
10. REFER TO DETAIL 1 SHEET E506, FIGURE 10 FOR PROPER POWER POLE CONFIGURATION. FINAL LOCATION TO BE DETERMINED BY

3190 Airport Dr. Gulf Shores. AL 36542

[illegible]

FILE NO: 3110648

Inciprino Sort 12
EP401, ELECTRICAL POWER PLAN
Autodesk Inventor V24.0 Software New Terminal - 1110649V110648 CSNT E V24.0



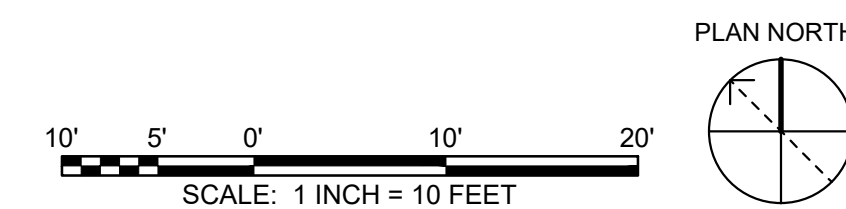
2 DUCT BANK LEGEND

ES101 NTS

NOTES:
1. REFER TO DETAIL 7/8 ON SHEET E50
FOR MORE INFORMATION ON DEPTH
AND SPACING.

1 ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"



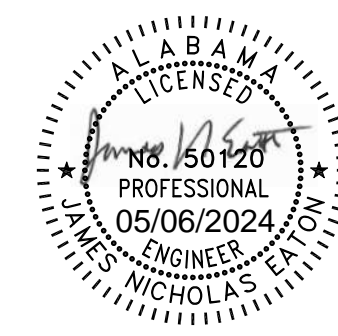
GENERAL NOTES

1. ALL SITE LIGHTING CIRCUITS ARE #6 (PHASE CONDUCTORS AND NEUTRAL) WITH #10IG IN 2" C U.O.
2. REFER TO SHEET E6.01 FOR SITE FIXTURE SCHEDULE.
3. PROVIDE PULL STRING/WIRE IN ALL COMMUNICATION CONDUITS WITH 10' AT END OF EACH TERMINATION.
4. 'SL 1' AND 'SL2' POLE FIXTURES TO BE MOUNTED ON 20' POLES.
5. ALL PULLBOXES TO BE PROVIDED WITH DIVIDER PLATE TO SEPERATE COMMUNICATION WIRING AND POWER.

KEYED NOTES:

- ① IN GROUND ELECTRICAL BOX. PROVIDE 120V, SINGLE PHASE CIRCUIT FOR PARKING GATE AND SPARE 1" CONDUIT ONLY WITH PULLROPE FOR DATA. FINAL PROVISIONS SHALL BE MADE BY OWNER.
- ② IN GROUND ELECTRICAL BOX. PROVIDE 2-1" (POWER AND SPARE) 120V, SINGLE PHASE CIRCUIT FOR MONUMENT SIGN.
- ③ POWER FOR LANDSCAPING LIGHTS. COORDINATE WITH OWNER FOR FINAL LOCATION.
- ④ PRIMARY CONDUCTORS AND RACEWAYS TO BE PROVIDED BY UTILITY. CONTRACTOR IS RESPONSIBLE FOR POURING TRANSFORMER PAD.
- ⑤ PROVIDE 5/2" STUBBED OUT TO UTILITY ROOM WITH CAP FOR FUTURE USE. STUB CONDUIT UP WALL IN UTILITY ROOM AT 42" A.F.

BARGE
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ELECTRICAL SITE PLAN

GULF SHORES AIRPORT AUTHORITY

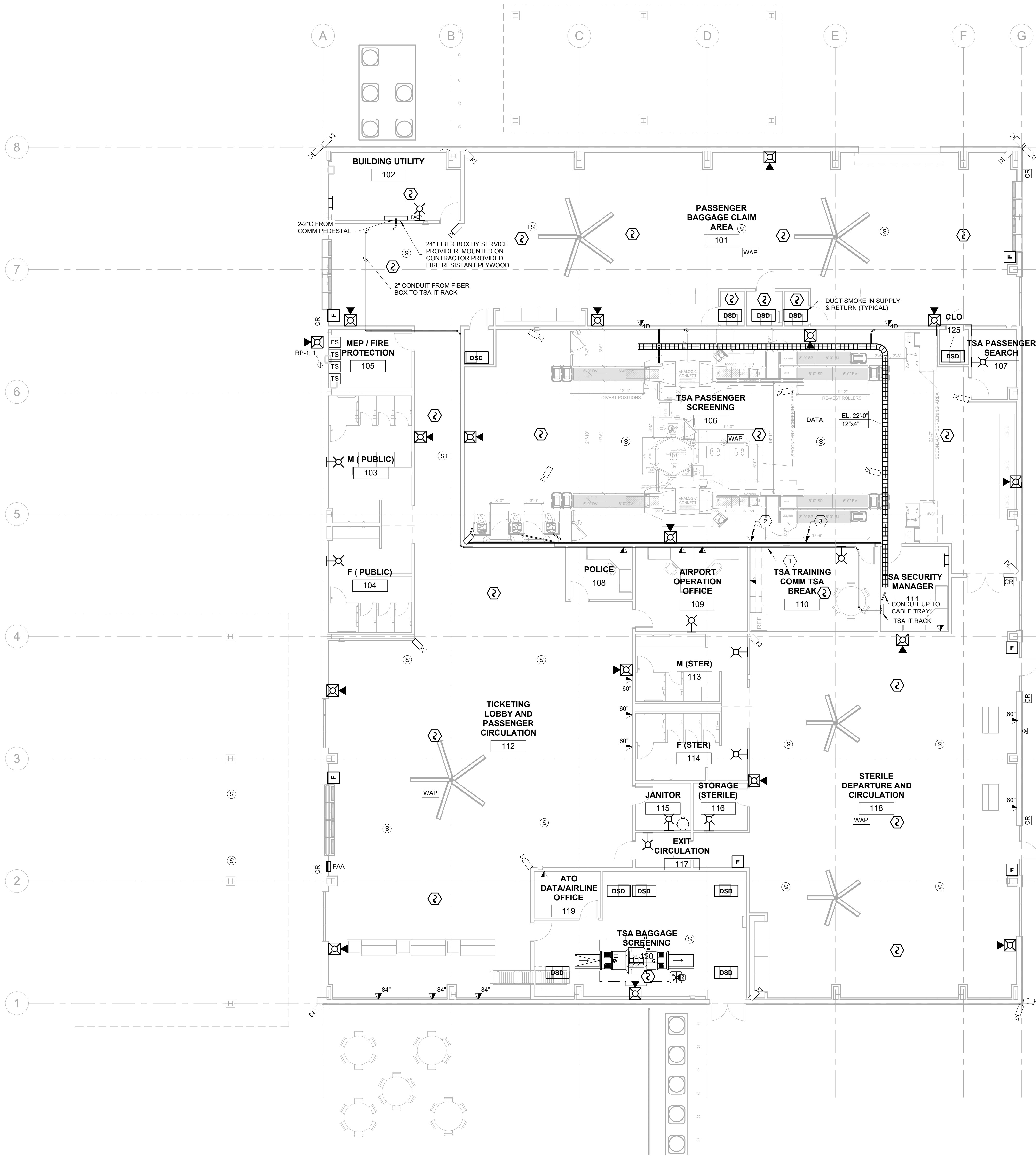
GULF SHORES NEW TERMINAL

3190 Airport Dr, Gulf Shores , AL 36542

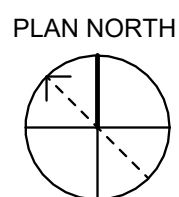
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ES101

Drawn by: ETL, ELECTRICAL SYSTEMS PLAN
Checked by: ETL, ELECTRICAL SYSTEMS PLAN
Date: 05/06/2024 12:25:18 PM
Title: Overall Systems Plan



1 OVERALL SYSTEMS PLAN
1/8" = 1'-0"



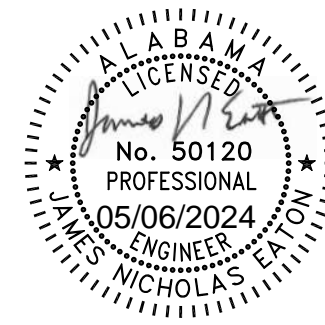
GENERAL NOTES

1. ALL LOW VOLTAGE TO GO BACK TO BUILDING UTILITY ROOM 102.
2. PROVIDE ALL COMMUNICATION DEVICES WITH 1" C FROM DEVICE BACK TO BUILDING UTILITY 102. THIS INCLUDES CAMERA'S, WAP'S, SPEAKERS, AND DATA DROPS.
3. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT, MARKED RED.

KEYED NOTES:

1. PROVIDE 1" C FROM BUILDING UTILITY 102 TO TSA SECURITY MANAGER 111 IT RACK.
2. DATA LINE FOR KRONOS CLOCK LOCATION TO BE FINALIZED BY OWNER. 1-1/2" C BACK TO TSA IT RACK.
3. DATA FOR STSO PODIUM LOCATION TO BE FINALIZED BY OWNER.

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ELECTRICAL SYSTEMS PLAN

GULF SHORES AIRPORT AUTHORITY
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REVISION INFORMATION

DESCRIPTION

ET101

FILE NO: 3110648