

OUTBOUND BAGGAGE EXPANSION



DEMOLITION + RENOVATION

GENERAL		STRUCTURAL		FIRE PROTECTION	
G-0.0.0	COVER SHEET	S-0.0.1	STRUCTURAL SPECIFICATION	FP-0.0.1	FIRE PROTECTION LEGEND AND NOTES
G-0.0.1	NOTES, SYMBOLS, & ABBREVIATIONS	S-0.0.2	STRUCTURAL SPECIFICATION	FP-1.0.1	FIRE PROTECTION NEW WORK PLAN
G-0.0.2	CODE INFORMATION	S-0.0.3	WIND TABLES & SCHEDULES		
G-0.0.3	ADA CLEARANCES	S-1.0.1	FOUNDATION PLAN	BAGGAGE	
G-1.0.0	LIFE SAFETY PLAN	S-2.0.1	ROOF FRAMING PLAN	BH0.IS.01	ABBREVIATIONS GENERAL NOTES AND DRAWING INDEX
		S-3.0.1	FOUNDATION DETAILS		
ARCHITECTURE		S-4.0.1	MASONRY DETAILS	BH1.0.00	PLAN VIEW- EXISTING/ DEMO MU ROOM
A-1.0.1	DEMOLITION FLOOR PLAN	S-5.0.1	FRAMING DETAILS	BH1.1.00	PLAN VIEW - NEW SYSTEM OVERALL LAYOUT
A-1.1.1	DEMOLITION ELEVATIONS	S-5.0.2	FRAMING DETAILS	BH1.1.01	3D VIEW- NEW SYSTEM OVERALL LAYOUT
A-2.0.1	SITE PLAN	S-6.0.1	WALL SECTIONS	BH1.1.02	PLAN VIEW - CL2 CL3 AND MF1 DETAIL LAYOUT
A-2.0.2	FLOOR PLAN	S-6.0.2	WALL SECTIONS	BH1.1.03	PLAN VIEW - MF2 AND MU2 DETAIL LAYOUT
A-2.0.3	ROOF PLAN			BH2.1.01	BHS PLAN PHASE 1
A-3.0.1	EXTERIOR ELEVATIONS			BH2.1.02	BHS PLAN PHASE 2a1
A-4.0.1	BUILDING SECTIONS	M-0.0.1	HVAC LEGEND, SCHEDULES, NOTES & DETAILS	BH2.1.03	BHS PLAN PHASE 2a2
A-4.0.2	BUILDING SECTIONS	M-1.0.1	HVAC DEMOLITION PLAN	BH2.1.04	BHS PLAN PHASE 2a3
A-4.1.1	WALL SECTIONS	M-2.0.1	HVAC NEW WORK PLAN	BH2.1.05	BHS PLAN PHASE 2b
A-4.1.2	WALL SECTIONS			BH2.1.06	BHS PLAN PHASE 2c&d
A-4.1.3	ROOF SECTIONS			BH2.1.07	BHS PLAN PHASE 3
A-5.0.1	DOOR AND WINDOW ELEVATIONS	ELECTRICAL		BH-4.1.01	ELEVATION VIEWS- NEW CONVEYOR
A-6.0.1	REFLECTED CEILING PLAN	E-001	LEGENDS AND NOTES	BH-4.1.02	ELEVATION VIEWS- NEW CONVEYOR
A-7.0.1	ENLARGED DETAILS	E-003	DEMOLITION PLAN - ELECTRICAL	BH-4.1.03	ELEVATION VIEWS- NEW CONVEYOR
A-7.0.2	ROOF DETAILS	E-201	NEW POWER PLAN- FIRST FLOOR	BH-5.1.00	ELECTRICAL DEVICE STANDARDS
		E-202	NEW LIGHTING PLAN- FIRST FLOOR	BH-5.1.01	ELECTRICAL PLAN VIEW- CL2 CL3 & MF1
		E-203	NEW HVAC PLAN- FIRST FLOOR	BH-5.1.02	ELECTRICAL PLAN VIEW- MF2 & MU2
CIVIL		E-204	NEW FIRE ALARM PLAN- FIRST FLOOR	BH-6.1.00	SECTIONS AND DETAILS (CBIS TO MAKEUP AREA OPENINGS)
C-1	GENERAL NOTES	E-205	NEW LIGHTNING PROTECTION PLAN- ROOF		
C-2	SAFETY AND SECURITY NOTES	E-301	LIGHTING FIXTURE SCHEDULE & CONTROLS	BH-6.1.01	SECTIONS AND DETAILS (ATR)
C-3	CONSTRUCTION SAFETY AND PHASING PLAN	E-401	ELECTRICAL DETAILS	BH-6.1.02	SECTIONS AND DETAILS (MAKEUP TRANSFER)
C-4	HAUL ROUTE AND STAGING PLAN	E-402	LIGHTNING PROTECTION DETAILS	BH-6.1.03	SECTIONS AND DETAILS (TUG CLEARANCE AREAS)
C-5	EXISTING CONDITIONS, EROSION CONTROL AND DEMOLITION PLAN	E-501	PANEL & MECH EQUIPMENT SCHEDULES	BH-6.1.04	SECTIONS AND DETAILS (SUPPORT HANGERS)
C-6	SITE PLAN			BH-6.1.05	SECTIONS AND DETAILS (SUPPORT HANGERS)
C-7	GRADING & UTILITY PLAN	PLUMBING		BH-6.1.06	SECTIONS AND DETAILS (SUPPORT HANGERS)
C-8	MISCELLANEOUS DETAILS	P0.0.1	PLUMBING LEGEND, SCHEDULES, NOTES & DETAILS	BH-6.1.07	SECTIONS AND DETAILS (IMPACT PROTECTION)
C-9	FENCE DETAILS	P1.0.1	PARTIAL PLUMBING DEMOLITION PLAN- LEVEL 1	BH-6.1.08	SECTIONS AND DETAILS (FLOOR SUPPORTS)
C-10	SOD PLAN	P2.0.1	PLUMBING NEW WORK PLAN	BH-6.1.09	SECTIONS AND DETAILS (POINT LOADS)
		P2.0.2	PLUMBING ROOF PLAN	BH-7.1.01	PLAN VIEW- CATWALK LAYOUT



ABBREVIATIONS

A/C	AIR CONDITION	N	NORTH
AB	ANCHOR BOLT	NA	NOT APPLICABLE / NOT AVAILABLE
ACT	ACOUSTICAL CEILING TILE	NL	NATURAL LIGHT
ACTV	VINYL FACED ACT	NTE	NOT TO EXCEED
ADA	AMERICANS WITH DISABILITIES ACT	NTS	NOT TO SCALE
ADJ	ADJUSTABLE	OFCl	OWNER FURNISHED, GC INSTALLED
AEDC	DEFIBRILLATOR & CABINET	OFCl	OWNER FURNISHED & INSTALLED
AFF	ABOVE FINISHED FLOOR	O.H.	OPPOSITE HAND
AHU	AIR HANDLING UNIT	OH DR	OVERHEAD DOOR
ALUM	ALUMINUM	OTC	OUTSIDE / INSIDE TRANSMISSION CLASS
ARCH	ARCHITECT	ORD	OVERFLOW ROOF DRAIN
AWT	ACOUSTICAL WALL TREATMENT		
BALC	BALCONY	PCC	PRECAST CONCRETE
BD	BOARD	PEMB	PRE-ENGINEERED METAL BUILDING
BITUM	BITUMINOUS	PERIM	PERIMETER
BLDG	BUILDING	PLAM	PLASTIC LAMINATE
BM	BENCHMARK	PNL	PANEL
BN	BARN DOOR	PR	PAIR
B.O.	BOTTOM OF	PT	PAINT
BR	BEDROOM	P.T.	PRESSURE TREATED
BRKT	BRACKET	PWR	POWER
C/C	CENTER TO CENTER	QTR	QUARTER
CAB	CABINET	QTY	QUANTITY
CBF	CEMENTITIOUS BACKER BOARD	R	RADIUS
CFMF	COLD FORMED METAL FRAMING	RB	RUBBER BASE
CH	COAT HOOK	RCP	REFLECTED CEILING PLAN
CL	CAST IN PLACE	RD	ROOF DRAIN
CJ	CONTROL JOINT	ROL	ROOF DRAIN LEADER
CIP	CENTER LINE	REBAR	REINFORCING STEEL BARS
CLL	COLUMN CENTER LINE	REC	RECESSED
CMU	CONCRETE MASONRY UNIT	REF	REFERENCE OR REFRIGERATOR
COLUMN	COLUMN	REIN	REINFORCE
CONT	CONTINUOUS	REOD	REQUIRED
CPT	CARPET	REV	REVISION
CR	CLOSET ROD	RH	ROUGH OPENING
CSB	CONCRETE SPLASH BLOCK	RO	ROUGH OPENING
CT	CERAMIC TILE	RWL	RAINWATER LEADER
CTB	CERAMIC TILE BASE		
CTR	CENTER	S	SOUTH
CW	CURTAIN WALL	SAN	SANITARY
DBL	DOUBLE	SCHD	SCHEDULE
DEMO	DEMOLITION	SCWD	SOLID CORE WOOD DOOR
DET	DETAIL	SGD	SLIDING GLASS DOOR
DHW	DOUBLE HUNG WINDOWS	SF	SQUARE FOOT / FEET
DIA	DIAMETER	SH	SHINGLES
DIM	DIMENSION	SHV	SHELVING
DMP	DAMP PROOFING	SHWR	SHOWER
DS	DOWNSCOUT	SM	SIMILAR
DWG	DRAWING	SM	SHEET METAL
E	EAST	SS	SQUARE
EA	EACH	SS	STAINLESS STEEL
EB	EXPANSION BOLT	STC	SOUND TRANSMISSION CLASS
EBS	EXTERIOR INSULATION AND FINISH SYSTEM	SY	SQUARE YARD
EJ	EXPANSION JOINT	TEMP	TEMPORARY
EL	ELEVATION	THK	THICKNESS
EL PNL	ELECTRICAL PANEL	THRU	THROUGH
EOS	EDGE OF SLAB	TN	TRUE NORTH
EP	EPOXY PAINT	T.O.	TOP OF
EQ	EQUAL	TOB	TOP OF BEAM
EQUIP	EQUIPMENT	TOS	TOP OF STEEL
EW	ELECTRIC WATER COOLER	TLT	TILE
EXH	EXHAUST	TYP	TYPICAL
EXIST	EXISTING	UCD	UNDERCUT DOOR
EXP	EXPANSION	UNO	UNLESS NOTED OTHERWISE
EXTR	EXTERIOR	URNAL	URNAL
F	FLUSH	VB	VINYL BASE
FA	FIRE ALARM	VCT	VINYL COMPOSITION TILE
FB	FIBERGLASS	VERT	VERTICAL
FD	FLOOR DRAIN	VF	VERIFY IN FIELD
FE	FIRE EXTINGUISHER	VR	VAPOR RETARDER
FEC	FIRE EXTINGUISHER & CABINET	VTR	VENT THROUGH ROOF
FFE	FINISH FLOOR ELEVATION		
F&E	FIXTURES, FURNITURE & EQUIPMENT	W	WITH
FHC	FIRE HOSE CABINET	WC	WATER CLOSET
FIN	FINISH	WD	WOOD
FIN FLR	FINISH FLOOR	WDF	WOOD DOOR & FRAME
FLR	FINFLOOR FINISH	WH	WATER HEATER
FLUOR	FLUORESCENT	WPM	WATERPROOF-MEMBRANE
FO	FINISHED OPENING	WWF	WELDED WIRE FABRIC
FOG	FACE OF GLASS	WGL	WIRED GLASS
FOM	FACE OF MASONRY		
FOS	FACE OF STUD		
FT	FEET		
FV	FIELD VERIFY		
GALV	GALVANIZED		
GB	GRAB BAR		
GC	GENERAL CONTRACTOR		
GD	GARAGE DISPOSAL		
GDR	GUARD RAIL		
GFRG	GLASS FIBER REINFORCED CONCRETE		
GFRG	GLASS FIBER REINFORCED GYPSUM		
GHM	GALVANIZED HOLLOW METAL		
GL	GLASS		
GL BLK	GLASS BLOCK		
GR FL	GROUND FLOOR		
GYM	GYMNASIUM		
GYP	BDGYPSUM BOARD		
GWB	GYPSUM WALLBOARD		
H&CW	HOT & COLD WATER		
HB	HOSE BIBB		
HC	HANDICAP		
HM	HOLLOW METAL		
HT	HEIGHT		
HMD	HOLLOW METAL DOOR		
HMDF	HOLLOW METAL DOOR & FRAME		
HMF	HOLLOW METAL FRAME		
HORIZ	HORIZONTAL		
HW	HOT WATER		
ID	INSIDE DIAMETER		
INCL	INCLUDED		
INFO	INFORMATION		
INSUL	INSULATION		
JC	JANITOR CLOSET		
JST	JOIST		
LAM	LAMINATE		
LAM GL	LAMINATED GLASS		
LAV	LAVATORY		
LD BRG	LOAD BEARING		
LT GA	LIGHT GAUGE		
LVR	LOUVER		
LVT	LUXURY VINYL TILE		
LWC	LIGHT WEIGHT CONCRETE		
MAX	MAXIMUM		
MBR	MASTER BEDROOM		
MECH	MECHANICAL		
MEMB	MEMBRANE		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MFR RECMFR	RECOMMENDATION		
MID	MIDDLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MLDG	MOLDING / MOULDING		
MO	MASONRY OPENING		
MRT	MARBLE THRESHOLD		
MS	MOP SINK		
MTL	METAL		
MW	MICROWAVE		
MWP	MEMBRANE WATERPROOFING		

SAFETY NOTES:

- SAFETY NOTES (AIRFIELD):**
- SAFETY GUIDELINES - IN THE INTEREST OF SAFETY, THE CONTRACTOR IS ALSO DIRECTED TO ACQUAINT HIS/HER EMPLOYEES WITH THE PROVISIONS OF THE FOLLOWING FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS, CURRENT EDITION:
150/5370-2F OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
 - AIRPORT OPERATIONS - THE CONTRACTOR SHALL APPOINT SAFETY OFFICERS IN ACCORDANCE WITH THE PROJECT MANUAL. THE CONTRACTOR SHALL ALSO ACQUAINT ALL SUPERVISORS AND EMPLOYEES WITH THE ACTIVITIES OF THE NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT AND OPERATIONS THAT ARE INHERENT AT THIS ACTIVE AIRPORT AND SHALL CONDUCT CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES ON SAFETY SPECIFIED IN THE PROJECT MANUAL AND AS SPECIFIED BY THE FIELD REPRESENTATIVE AND THE FM.
 - VEHICLE IDENTIFICATION - ALL CONTRACTOR VEHICLES THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3' X 3' OR LARGER ORANGE AND WHITE CHECKERED FLAG, EACH CHECK BEING 1' SQUARE. COMPANY DECALS WITH NOT LESS THAN 6" LETTERS MAY BE SUBSTITUTED FOR FLAGS ON SUPERVISORY VEHICLES AND LIGHT TRUCKS. ALL VEHICLES OPERATING IN THE ACTIVE AIRPORT OPERATIONS AREA (AOA) DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING YELLOW DOME- TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
 - GROUND CONTROL - NO CONTRACTOR VEHICLES OR EQUIPMENT SHALL ACCESS OR CROSS ACTIVE RUNCOORDINATED WITH THE AIRPORT AUTHORITY.
 - WORK REQUIRING PAVEMENT CLOSURE SHALL BE PERFORMED IN ACCORDANCE WITH THE SAFETY PLANS AND THE PROJECT MANUAL. NO RUNWAY, TAXIWAY, APRON OR AIRPORT ROADWAY SHALL BE CLOSED WITHOUT APPROVAL OF AIRPORT MANAGEMENT. TO ENABLE NECESSARY NOTICES TO ARMEN (NOTAMS) OR ADVISORIES TO AIRPORT SERVICES OR TENANTS, A MINIMUM OF SEVENTY-TWO (72) HOURS WRITTEN NOTICE OF REQUESTED CLOSING SHALL BE DIRECTED TO THE ENGINEER, WHO WILL COORDINATE THE REQUEST WITH AIRPORT OPERATIONS.
 - OPEN TRENCHES - ANY CONSTRUCTION ABOVE 3' OR OPEN TRENCHES IN EXCESS OF 3' WITHIN 150' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 40' FROM AN ACTIVE TAXIWAY CENTERLINE WILL REQUIRE CLOSURE OF THE AFFECTED RUNWAY OR TAXIWAY, UNLESS OTHERWISE APPROVED BY THE OWNER. (SEE NOTE ABOVE). ALL TRENCHING MUST BE CONSTRUCTED TO MEET ALL FEDERAL, STATE (FLORIDA TRENCH SAFETY ACT) AND LOCAL LAWS (INCLUDES OSHA STANDARDS).
 - TRENCH MARKING - OPEN TRENCHES AND EXCAVATIONS LOCATED WITHIN 200' FROM AN ACTIVE TAXIWAY CENTERLINE SHALL BE PROMINENTLY MARKED WITH FLAGS AND LIGHTED BY APPROVED LIGHT UNITS (FLARE POTS NOT ALLOWED) DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS. THE CONTRACTOR WILL ENSURE THAT AN EMPLOYEE REMAINS ON-CALL TWENTY-FOUR (24) HOURS PER DAY FOR EMERGENCY MAINTENANCE OF HAZARD LIGHTING AND BARRICADES. NO OPEN TRENCHES ARE PERMITTED ADJACENT TO ACTIVE AOA, UNLESS APPROVED BY AIRSIDE OPERATIONS. THESE TRENCHES SHALL BE BACKFILLED WHEN THE CONTRACTOR IS NOT PERFORMING CONSTRUCTION IN THESE TRENCHES. DITCHES OR EXCAVATIONS PERMITTED TO REMAIN OPEN SHALL BE COMPLETELY ENCLOSED WITHIN AIRPORT-TYPE BARRICADES AND PROPERLY LIGHTED. INDIVIDUAL FLAGS AND/OR LIGHTS WILL NOT BE PERMITTED AROUND OPEN TRENCHES/EXCAVATIONS DURING NIGHTTIME HOURS.
 - OPEN FLAME - OPEN FLAME, WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE APPROVED BY AIRPORT OPERATIONS.
 - STOCKPILE EROSION AND DUST CONTROL - STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS. STOCKPILED MATERIALS SHALL NOT BE PERMITTED WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR 65.5' FROM AN ACTIVE TAXIWAY CENTERLINE.
 - DEBRIS CONTROL - DEBRIS, WASTE AND LOOSE MATERIAL (FOREIGN OBJECT DEBRIS - FOD) SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS. IF OBSERVED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS, THE MATERIAL WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE FIELD REPRESENTATIVE MAY DIRECT THAT DEBRIS PROBLEMS DURING CONSTRUCTION NOT CORRECTED BY THE CONTRACTOR BE CORRECTED BY OTHERS AT THE EXPENSE OF CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE PAVEMENTS ADJACENT TO THE WORK AREA CLEAR OF DEBRIS AND FOD AT ALL TIMES.
 - INSPECTION BY OPERATIONS - PRIOR TO OPENING FOR AIRCRAFT USE AND THE DEPARTURE OF THE CONTRACTOR'S WORK CREWS, THE FIELD REPRESENTATIVE WILL ARRANGE FOR INSPECTION BY AIRPORT OPERATIONS OF ANY RUNWAY, TAXIWAY SAFETY AREA, OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. THESE AREAS MUST COMPLY WITH THE SAFETY REQUIREMENTS DEFINED BY FEDERAL AVIATION REGULATIONS PART 139 AND INSPECTED BY THE DESIGNATED OPERATIONS INSPECTOR BEFORE PERMISSION FOR THE CONTRACTORS WORK CREWS TO DEPART WILL BE GRANTED.
 - NO SMOKING SHALL BE ALLOWED WITHIN THE AOA.
 - DESIGNATED AIRPORT REPRESENTATIVE SHALL HAVE THE AUTHORITY TO DISCONTINUE CONSTRUCTION OPERATIONS AT ANY TIME, FOR ANY REASON. THE AIRPORT REPRESENTATIVE CAN REQUIRE THE CONTRACTOR TO LEAVE THE AIRSIDE AOA AND/OR AIRPORT PROPERTY AND EVACUATE THE WORK AREA WITHIN THIRTY (30) MINUTES AFTER RECEIVING NOTICE.
 - EACH BARRICADE LIGHTING, TEMPORARY SIGNAGE AND COVERS SHALL BE VERIFIED BY THE CONTRACTOR FOR PROPER OPERATION AT THE END OF EACH DAY BEFORE THE CONTRACTOR CEASES OPERATION. THE INTENSITY OF THE LIGHTS AND THE SPACING FOR BARRICADES SHALL BE ADEQUATE TO DELINEATE THE HAZARDOUS AREA WITHOUT AMBIGUITY. NO MORE THAN 10% OF THE LIGHTS FOR BARRICADES SHALL BE INOPERABLE AT ANY TIME, AND AT NO TIME SHALL TWO (2) CONSECUTIVE LIGHTS BE INOPERABLE. THE CONTRACTOR SHALL IMMEDIATELY REPLACE ANY BARRICADES, LIGHTS OR FLAGS WHICH IN THE OPINION OF THE FIELD REPRESENTATIVE OR AIRPORT OPERATIONS ARE NOT ADEQUATE.
 - THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN VEHICLES, EQUIPMENT AND MATERIALS OUTSIDE THE AIRCRAFT CONTAINMENT LINE DURING CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO WORK 24 HOURS EACH DAY IN DESIGNATED AREAS IN ORDER TO MINIMIZE THE SHUT DOWN TIME. NO ADDITIONAL CONTRACT COST SHALL BE ALLOWED FOR WORK TO BE ACCOMPLISHED "AROUND THE CLOCK" (24 HOURS PER DAY).
 - ALL MARKINGS WITHIN THE CONSTRUCTION AREA IN CONFLICT WITH THE SAFETY PLANS SHALL BE REMOVED & REPLACED AS REQUIRED AND IN ACCORDANCE WITH THE AIRPORT AUTHORITY.
 - ALL EQUIPMENT, MATERIAL AND CONSTRUCTION PERSONNEL SHALL BE KEPT AT LEAST 250' FROM CENTERLINE OF ACTIVE RUNWAY, 65.5' FROM AN ACTIVE TAXIWAY AT ALL TIMES.
 - CONTRACTOR IS REQUIRED TO MONITOR RADIO COMMUNICATIONS AT ALL TIMES. GROUND CONTROL FREQUENCY: 121.65 AND CTAF 118.95.
 - CONTRACTOR SHALL MAINTAIN CONSTANT CONTACT WITH ATCT BEFORE AND DURING ANY OPERATIONS IN THE AOA.
 - CONTRACTOR SHALL REMOVE ALL EQUIPMENT FROM OBJECT FREE AREAS DURING HOURS OF AIRCRAFT OPERATIONS.
 - CONTRACTOR SHALL COORDINATE WITH THE OWNER AND DESIGNATED AIRPORT REPRESENTATIVES FOR THE ISSUANCE OF NOTAMS BEFORE CONSTRUCTION BEGINS. HEIGHT RESTRICTIONS IN ANY AREAS OF CONSTRUCTION THAT WILL NECESSITATE THE CLOSURE OF A RUNWAY OR TAXIWAY WILL REQUIRE THAT WORK BE PERFORMED DURING NIGHTTIME ONLY (10:00PM-7:00AM), PRIOR TO THE END OF THE WORK SHIFT. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, MATERIALS AND STOCK PILES FROM THE CONSTRUCTION AREA, AND SHALL SWEEP THE AREA FOR ALL LOOSE PARTICLES THAT MAY BE INGESTED BY JET ENGINES.



GENERAL NOTES:

- CONTRACTOR SHALL NOT SCALE DRAWINGS.
- THESE WORKING DRAWINGS INDICATE MATERIALS AND METHODS OF CONSTRUCTION TO SET STANDARDS OF QUALITY AND/OR PERFORMANCE. OTHER MATERIALS AND/OR METHODS MAY BE CONSIDERED BY THE ARCHITECT FOR ACCEPTANCE PROVIDED THEY DO NOT ALTER THE ORIGINAL DESIGN INTENT. SUBMIT ALL PROPOSED ALTERNATES TO THE DESIGNER IN WRITING FOR CONSIDERATION PRIOR TO IMPLEMENTATION. INCLUDE REASON/PURPOSE FOR SUBSTITUTION, COST DIFFERENCE TO ORIGINALLY SPECIFIED ITEM AND LEADTIME. ANY SUGGESTED SUBSTITUTIONS SHALL BE FORWARDED TO THE ARCHITECT A MINIMUM OF THREE WEEKS IN ADVANCE OF BIDDING OR IMPLEMENTING WORK. PROJECT COMPLETION SCHEDULE SHALL NOT BE JEOPARDIZED BY CONTRACTOR BY LATE SUBMITTAL OF SUBSTITUTIONS.
- THE ARCHITECT IS NOT RESPONSIBLE FOR DISCREPANCIES OR OMISSIONS THAT ARISE DUE TO CHANGES BY THE CONTRACTOR, OR OWNER AFTER THE DATE OF ISSUANCE OF THE DRAWINGS.
- ALL CONSTRUCTION EITHER OUTLINED OR IMPLIED IN THESE DOCUMENTS SHALL COMPLY WITH ALL APPLICABLE CODE REQUIREMENTS.
- ALL SUBCONTRACTORS INCLUDING MECHANICAL, PLUMBING AND ELECTRICAL SHALL BE RESPONSIBLE FOR SECURING PERMITS FOR THEIR WORK AND TRADES, UTILITY HOOK-UPS, AND FOR PROVIDING ANY ADDITIONAL DRAWINGS THE BUILDING DEPARTMENT MAY REQUIRE.
- THIS DESIGN TEAM (ARCHITECTS/INTERIOR DESIGNERS, AND ENGINEERS) WILL NOT BE RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OR CHARGE OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS PROJECT AND WILL NOT BE RESPONSIBLE FOR CONTRACTORS FAILURE TO CARRY OUT THE WORK ON THIS PROJECT IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS OR INDUSTRY STANDARDS. THE DESIGN TEAM WILL NOT BE RESPONSIBLE FOR OR HAVE CONTROL OR CHARGE OVER THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OF THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSON PERFORMING ANY OF THE WORK OF THIS PROJECT.
- ALL WORK OF OUTLINED TRADES SHALL BE PERFORMED BY SKILLED CRAFTSMEN IN THE TRADE, AND THE WORK SHALL BE OF A QUALITY THAT IS ACCEPTABLE BY INDUSTRY STANDARDS AND SATISFACTORY TO THE DESIGNER, ARCHITECT, BUILDING MANAGEMENT AND CLIENT.
- DEBRIS RESULTING FROM CONSTRUCTION SHALL BE REMOVED ENTIRELY FROM THE SITE ON A REGULAR BASIS TO A WASTE AND/OR RECYCLING AREA PROVIDED BY THE CONTRACTOR. REFER TO AIRPORT AUTHORITY FOR FOREIGN OBJECT DEBRIS REMOVAL SCHEDULES AND PROCEDURES.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF FIXTURES, WALL/ CEILING HUNG UNITS, AND EQUIPMENT AS IMPLIED AND INDICATED ON CONSTRUCTION DOCUMENTS. PROVIDE APPROPRIATE ELECTRICAL, MECHANICAL AND PLUMBING SUPPORT FOR ALL APPLIANCES AS PER MANUFACTURER'S RECOMMENDATIONS.
- UPON AWARDING CONTRACTS TO SUBCONTRACTORS, THE GENERAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT AND OWNER A SCHEDULE FOR ALL LONG LEAD TIME ITEMS ON THE PROJECT (I.E. MATERIALS, EQUIPMENT, HARDWARE, FABRICS) AND SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT AND OWNER AS TO ANY ITEM WHICH MAY CAUSE THE PROJECT COMPLETION TO BE DELAYED, PRIOR TO ORDERING THAT ITEM.
- PATCH AND FIRE STOP ALL PENETRATIONS IN FLOOR AND WALL ASSEMBLIES TO COMPLY WITH APPLICABLE BUILDING CODE.
- CONSIDERATION SHALL BE GIVEN WHEN LAYING OUT AND DETAILING THE WORK TO BE DONE TO VARIATIONS IN FLOOR PLANES RESULTING FROM CONSTRUCTION QUALITY AND LIVE DEAD LOADS IMPOSED ON THE STRUCTURE. ALIGNMENT OF DOOR AND WINDOW HEADS, AND ANY OTHER HORIZONTAL ELEMENT SHALL BE MAINTAINED AT A CONSTANT AND SHALL NOT FOLLOW VARIATIONS IN FLOOR PLANE.
- CONTRACTOR SHALL DISPOSE OF ALL CHEMICALS AND HAZARDOUS MATERIALS IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND ORDINANCES.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE ORDERING MATERIALS, BEGINNING FABRICATION, OR STARTING CONSTRUCTION.
- CONTRACTOR SHALL CLEAN THE JOB SITE ON A WEEKLY BASIS (MINIMUM) AS THE PROJECT PROGRESSES AND AT THE END OF THE PROJECT. REMOVE DUST, DEBRIS, OILS, STAINS, FINGERPRINTS AND LABELS FROM EXPOSED FINISHED SURFACES, INCLUDING GLASS SURFACES AND PERIMETER WINDOW SILLS, GLAZING AND WINDOW TREATMENTS.
- AFTER COMPLETION OF WORK, THE CONTRACTOR SHALL REFINISH/ RESTORE ANY EXISTING CONDITION THAT WERE TEMPORARILY REMOVED/ ALTERED FOR, OR DAMAGED DURING CONSTRUCTION, MATCHING ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER OR OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL TURN OVER CLOSE-OUT PACKAGE TO ARCHITECT AT SUBSTANTIAL COMPLETION. CLOSE-OUT DOCUMENTS TO INCLUDE: CERTIFICATE OF OCCUPANCY, AS-BUILT DRAWINGS, TEST AND BALANCE REPORTS, WARRANTY INFORMATION AND OPERATIONS AND MAINTENANCE MANUAL.
- CONTRACTOR TO ENSURE THAT ALL COMPOSITE WOOD AND AGRIFIBER PRODUCTS, INCLUDING CORE MATERIALS, MUST CONTAIN NO ADDED UREA-FORMALDEHYDE RESINS.
- CONTRACTOR TO ENSURE THAT ALL ADHESIVES, SEALANTS AND SEALANT PRIMERS USED MUST NOT EXCEED THE VOC CONTENT LIMITS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQM) RULE #1168 REQUIREMENTS IN EFFECT ON JANUARY 1, 2003 AND RULE AMENDMENT DATED OCTOBER 3, 2003.

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621 N Tyndall Pkwy,
Panama City, FL 32404

Contact: Dan White, P.E., LEED AP (BD+C)
dwhite@hgenengineering.com

PENNONI

Structural Engineers
1705 S. Gadsden Street, Suite 100
Tallahassee, FL 32301
352.504.6873

Contact: Justin Duncan, PE
jduncan@pennoni.com

WATFORD ENGINEERING

Mechanical, Plumbing, and Fire Engineers
4452 Clinton Street
Marianna, FL 32446
850.526.3447

Contact: David N Watford, P.E., LEED AP
david@watford-engineering.com

LOGAN TECHNOLOGIES GROUP

Security & Telecommunications Consultants
918 Hwy. 98 East
Destin, FL 32441
850.427.2140

Contact: Josh A. Logan, RCDD, CTS
josh@logantechgroup-llc.com

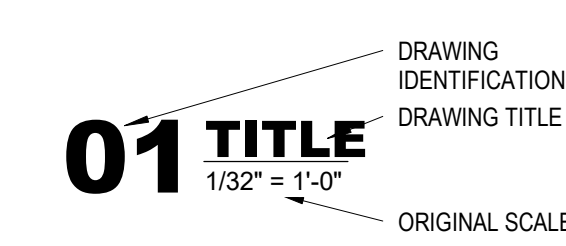
AVCON, INC.

Engineers & Planners
320 Bayshore Dr.
Niceville, FL 32578
850.678.0050

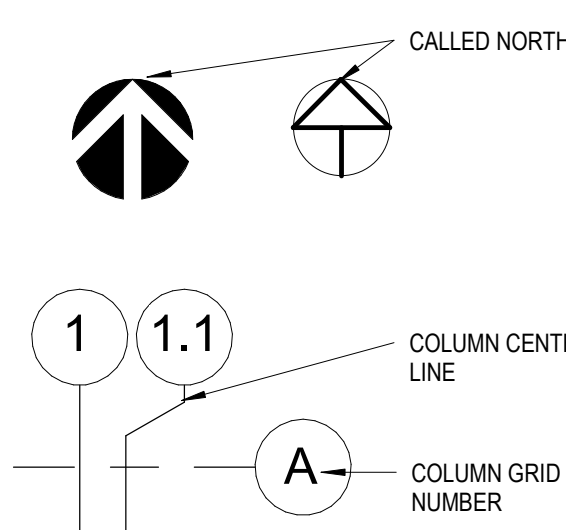
Contact: Tonia Nation, P.E.
tdnation@avconinc.com

ANNOTATION SYMBOLS

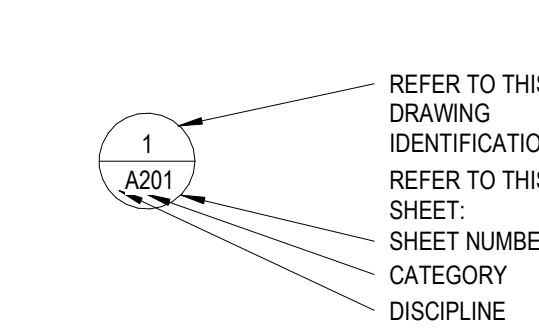
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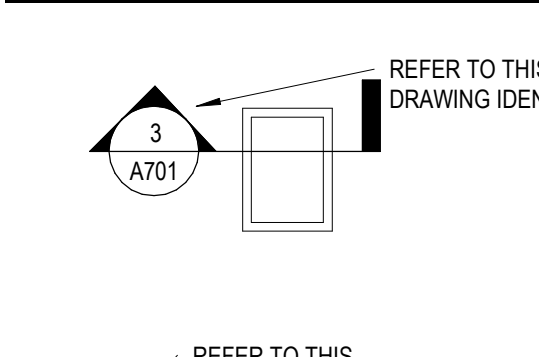
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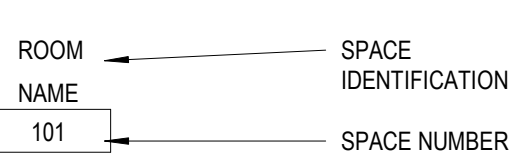
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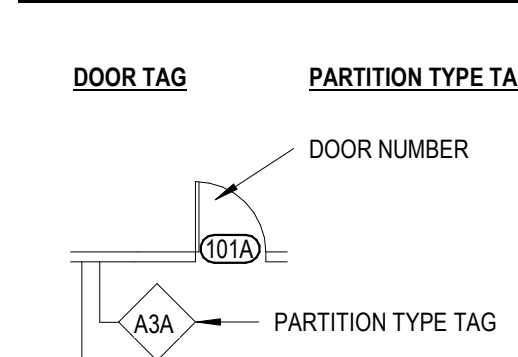
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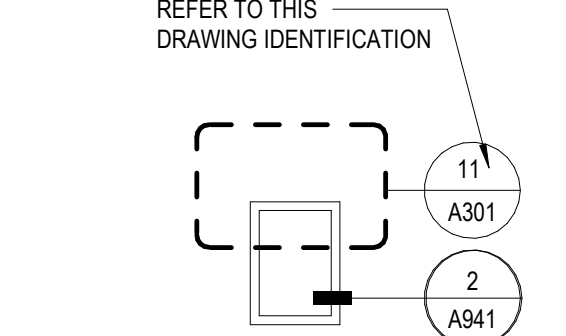
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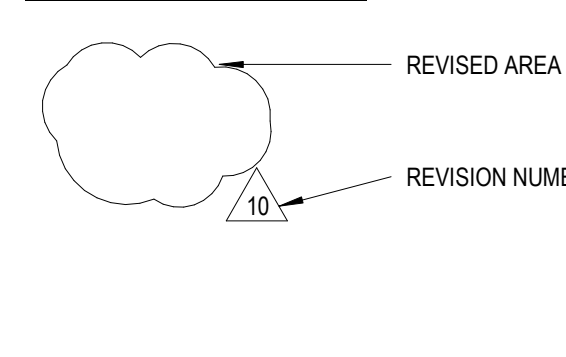
PARTITION/ DOOR TYPE SYMBOLS:



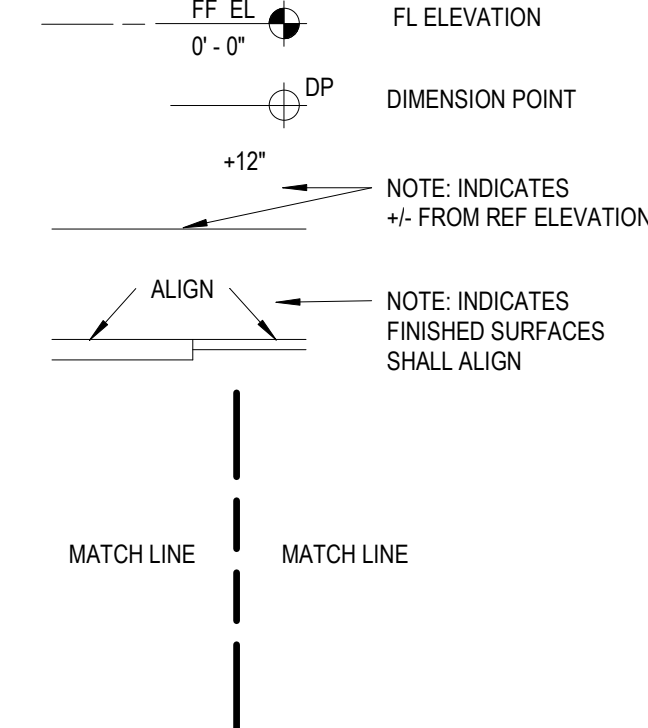
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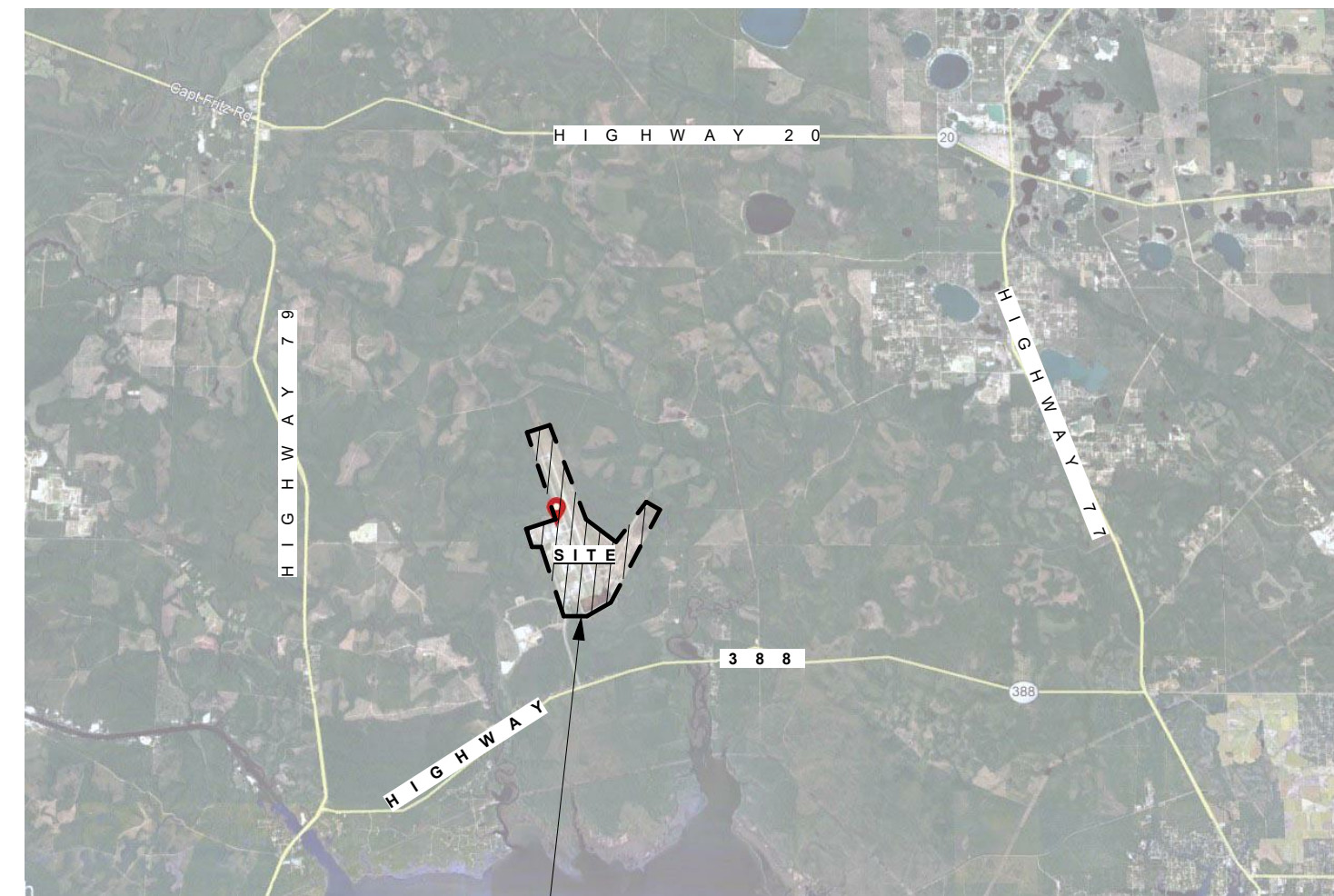
REVISION SYMBOLS:



GRAPHIC ARROWS:



LOCATION MAP



SITE -
6300 W BAY PKWY,
PANAMA CITY, FL 32409



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REVISION

NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

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NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

DRAWING TITLE

NOTES, SYMBOLS, & ABBREVIATIONS

SHEET NUMBER

G-0.0.1

5/9/2022 5:19:17 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NWFBI_TASK_1_R21.rvt

1. 1. GENERAL INFORMATION:
OWNER: NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT, AIRPORT AUTHORITY PROJECT NAME: PANAMA CITY AIRPORT - NWFBI OUTBOUND BAGGAGE EXPANSION PROJECT ADDRESS: 6300 W BAY PKWY, PANAMA CITY, FL 32409 COUNTY: BAY COUNTY

2. ADMINISTRATION - APPLICABLE CODES
A. FLORIDA BUILDING CODE: (FBC-B) 2020 - SEVENTH EDITION B. FLORIDA BUILDING CODE: ACCESSIBILITY (FBC-A) 2020 - SEVENTH EDITION C. FLORIDA BUILDING CODE: ENERGY CONSERVATION (FBC-EG) 2020 - SEVENTH EDITION D. FLORIDA BUILDING CODE: MECHANICAL (FBC-M) 2020 - SEVENTH EDITION E. FLORIDA BUILDING CODE: PLUMBING (FBC-P) 2020 - SEVENTH EDITION F. FLORIDA BUILDING CODE: FUEL GAS (FBC-FG) 2020 - SEVENTH EDITION G. NATIONAL ELECTRICAL CODE: (NEC) 2020 EDITION H. FLORIDA FIRE PREVENTION CODE (FFPC) 2020 - SEVENTH EDITION I. FLORIDA BUILDING CODE (FBC-EB), 2020 - SEVENTH EDITION

3. USE AND OCCUPANCY CLASSIFICATION
PRIMARY OCCUPANCY - Utility & Miscellaneous "U" (FBC Section 312.1)
BAGGAGE HANDLING (FBC 1004.5)
300 GROSS SF PER PERSON

4. BUILDING HEIGHT
EXISTING BUILDING - EXISTING CONSTRUCTION TYPE IB, FULLY SPRINKLERED
ACTUAL BUILDING HEIGHTS
ALLOWABLE BUILDING HEIGHTS
HEIGHT
NUMBER OF STORIES
ALLOWABLE HEIGHT (FBC TABLE 504.3)
ALLOWABLE NUMBER OF STORIES (FBC TABLE 504.4)
XX FEET
1 STORY
180 FEET
12 STORIES

5. EGRESS RELATED REQUIREMENTS
MINIMUM CORRIDOR WIDTH
MINIMUM CORRIDOR WIDTH = 0.2 INCH PER OCCUPANT LOAD (FBC 1006.3.2, BUT NOT LESS THAN 44 INCHES PER FBC TABLE 1020.2)
DEAD END CORRIDORS NOT TO EXCEED
UTILITY 50'-0" (PER FFPC 38.2.5.1.2 W/ SPRINKLER SYSTEM)
MAXIMUM TRAVEL DISTANCES
UTILITY 400'-0" (PER FFPC 38.2.6.3 W/ SPRINKLER SYSTEM) 300'-0" (PER FFPC 38.2.6.3 W/O SPRINKLER SYSTEM)
COMMON PATH LIMIT
UTILITY 100'-0" (PER FFPC 38.2.5.3.1 W/ SPRINKLER SYSTEM)
NUMBER OF EXITS (FBC 1006.3.2)
ALL ROOMS, AREAS, OR SPACES INCLUDING MEZZANINES SHALL HAVE TWO EXITS OR EXIT ACCESS DOORWAYS (FBC 1006.2.1), EXCEPT AS NOTED: OCCUPANT LOAD NUMBER OF EXITS 1 - 500 2 501 - 1,000 3 MORE THAN 1,000 4 *ONE EXIT ALLOWED, IF BOTH MAXIMUM OCCUPANT LOAD AND MAXIMUM PATH OF TRAVEL WITH SPRINKLER SYSTEM ARE MET AS LISTED BELOW (FBC TABLE 1006.2.1): OCCUPANCY MAX OCCUPANT LOAD MAX COMMON PATH OF TRAVEL UTILITY < 30 100'-0" >30 75'-0"
MINIMUM DOOR WIDTH (FBC 1006.3.2)
MINIMUM DOOR WIDTH = 0.2 INCHES PER OCCUPANT, BUT NOT LESS THAN 32 INCHES. PER FBC 1010.1.1, MINIMUM CLEAR OPENING = 32 INCHES MAXIMUM DOOR LEAF WIDTH = 48 INCHES
MINIMUM STAIRWAY WIDTH (FBC 1006.3.1)
0.3 INCHES PER OCCUPANT
MINIMUM EXIT PASSAGEWAYS WIDTH (FBC 1024.2)
NOT LESS THAN 44 INCHES. NOT LESS THAN 36 INCHES WHEN OCCUPANT LOAD IS LESS THAN 50

6. FIRE RESISTANCE RATINGS
EXISTING CONSTRUCTION TYPE IB
BUILDING ELEMENTS (FBC TABLE 601)
RATING (HOURS)
COMMENTS
STRUCTURAL FRAME
2
BEARING WALLS: EXTERIOR INTERIOR
1 1
NON-BEARING WALLS: EXTERIOR
X< 6 FEET 1 6<= X <=10 1 10<= X < 30 1
INTERIOR
0
FLOOR CONSTRUCTION
2
ROOF CONSTRUCTION
1
0 HR, IF ANY PART OF ROOF IS ABOVE 20 FEET FROM ANY FLOOR BELOW
CORRIDOR (FBC TABLE 1020.1)
0
WITH AUTOMATIC SPRINKLERT SYSTEM FOR OCCUPANT LOAD >30
FIRE SEPARATION
SHAFT ENCLOSURE (FBC 713.4)
1 2
WHERE CONNECTING LESS THAN (4) STORIES WHERE CONNECTING (4) OR MORE STORIES
OPENINGS IN A SHAFT ENCLOSURE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 716. DOORS SHALL BE SELF- OR AUTOMATIC-CLOSING BY SMOKE DETECTION
EXIT PASSAGEWAYS (FBC 1024.3)
1
OPENING PROTECTIVES
1 1/2 1 1/3
DOOR IN (2) HOUR FIRE BARRIER DOOR IN (1) HOUR FIRE BARRIER DOOR IN CORRIDOR WALLS OR SMOKE BARRIER WALLS

7. PORTABLE FIRE EXTINGUISHERS
PORTABLE EXTINGUISHERS ARE REQUIRED PER FBC 906
MAXIMUM FLOOR AREA PER EXTINGUISHER
11,250 SF
MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER
75 FEET

8. INTERIOR FINISH REQUIREMENTS
INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED AS FOLLOWS AND SHALL BE RESTRICTED FOR USE BY THE FOLLOWING TABLE AS DEFINED PER FBC TABLE 803.1.1
CLASS
FLAME SPREAD INDEX
SMOKE DEVELOPMENT INDEX
A
0 - 25
0 - 450
B
26 - 75
0 - 450
C
76 - 200
0 - 450
WALL AND CEILING FINISHE REQUIREMENTS BY OCCUPANCY (FBC TABLE 803.1.1)
SPRINKLERED
OCCUPANCY
EXIT ENCLOSURE
CORRIDORS
ROOMS
U
NO RESTRICTIONS
NO RESTRICTIONS
NO RESTRICTIONS

9. PLUMBING FIXTURES
PORTABLE EXTINGUISHERS ARE REQUIRED PER FBC 906

01 CODE INFORMATION

1/8" = 1'-0"



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NO. DESCRIPTION DATE

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FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND
BAGGAGE
EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

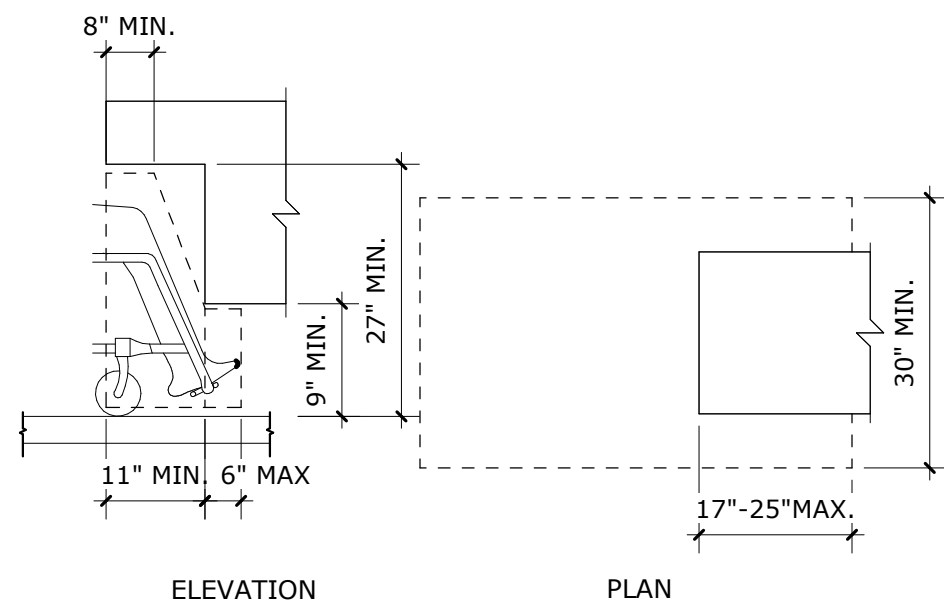
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INFORMATION

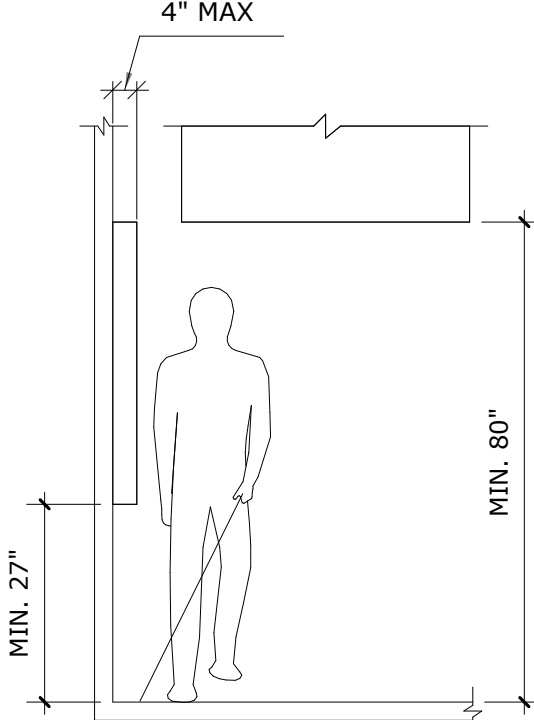
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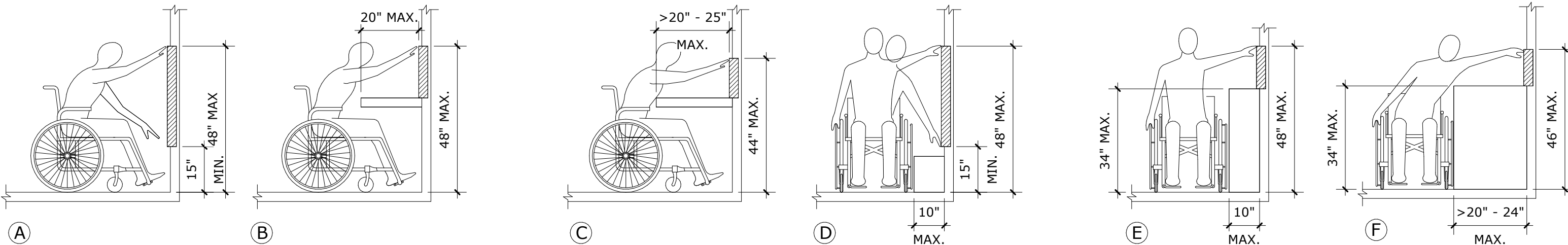
12 ADA TOE CLEARANCES

3/8" = 1'-0"



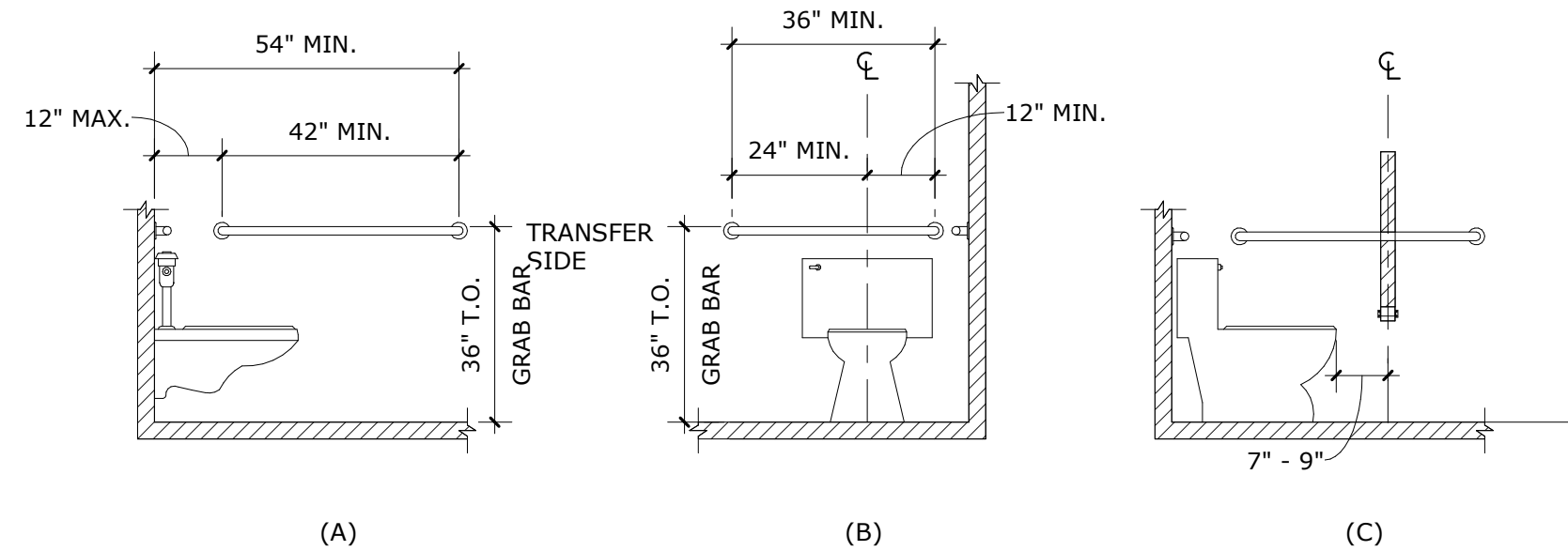
11 ADA PROTRUDING OBJECT

3/8" = 1'-0"



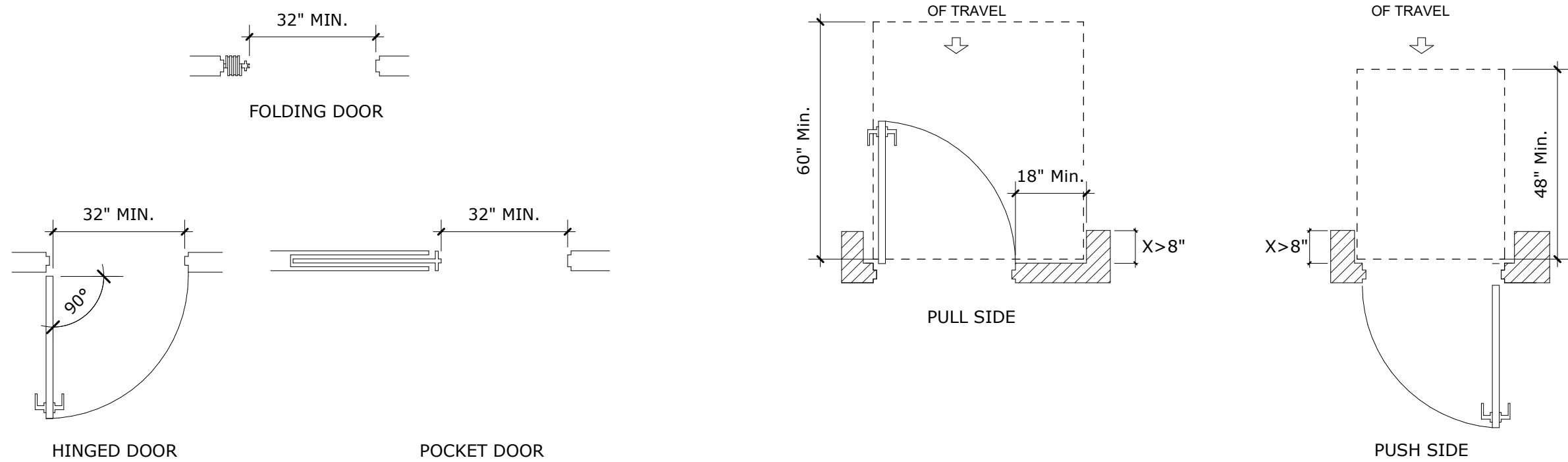
09 ADA REACH RANGES

3/8" = 1'-0"



08 ADA WATER CLOSET CLEARANCES

3/8" = 1'-0"

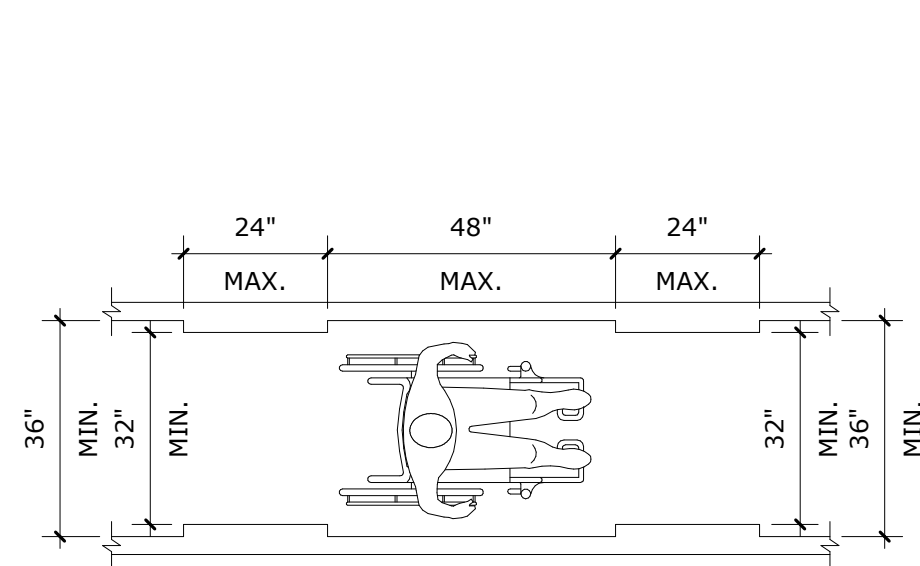


07 ADA DOOR OPENINGS

3/8" = 1'-0"

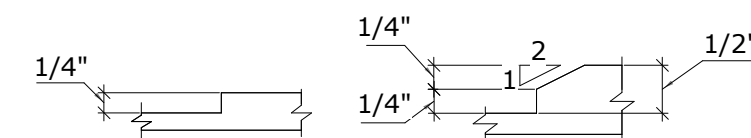
06 ADA DOORS RECESSED CLEARANCES

3/8" = 1'-0"



04 ADA ACCESSIBLE ROUTE

3/8" = 1'-0"



03 ADA VERTICAL CHANGES

1/4" = 1'-0"

02 ADA WHEEL CHAIR CLEARANCES

3/8" = 1'-0"

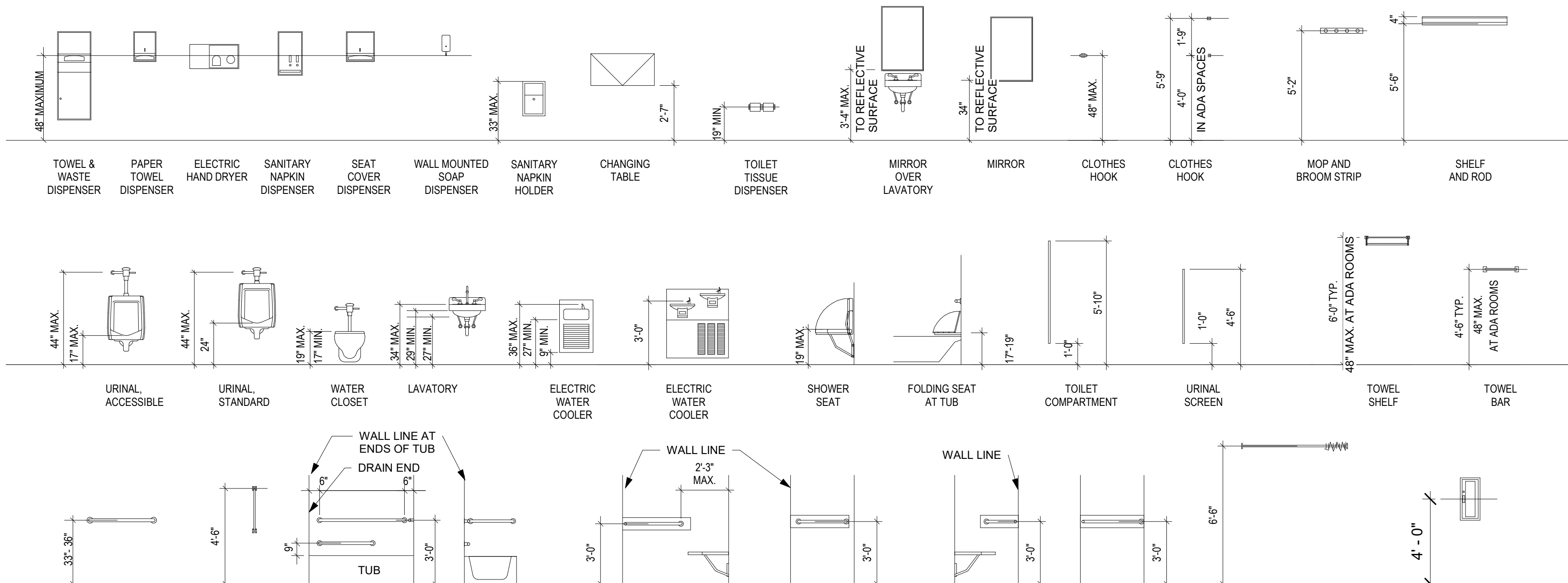
01 ADA DOORS MANEUVERING CLEARANCES

3/8" = 1'-0"

MOUNTING HEIGHTS- PLUMBING AND ACCESSORIES

NOTE: INSTALL ALL ITEMS IN ACCORDANCE WITH THIS DRAWING
NOTE: DIMENSIONS ARE TO TOP OF FINISH FLOOR

NOTE: PROVIDE BLOCKING FOR ALL ACCESSORIES MOUNTED ON GWB PARTITIONS
NOTE: MAINTAIN INTEGRITY OF FIRE RATING WHERE ACCESSORIES ARE MOUNTED IN OR ON RATED WALLS



10 TYP RESTROOM MOUNTING HEIGHTS

1/4" = 1'-0"

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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFB:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

DRAWING TITLE

ADA CLEARANCES

SHEET NUMBER

5/9/2022 8:56:18 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NFBIA_TASK_1_021.rvt

HATCHED AREA 3
INDICATES
EXISTING BAGGAGE
HANDLING AREA

HATCHED AREA 1
INDICATES EXISTING
TICKETING /
TERMINAL

HATCHED AREA 2
INDICATES TUG
STORAGE AREA

Ge

Ee

E

Ew

D2

D1

D

C1

C

B

223.1 23.2

24

25

26

27

EXISTING OUTBOUND
BAGGAGE HANDLING

NEW OUTBOUND
BAGGAGE HANDLING

NEW PRE-
ENGINEERED
CANOPY

NEW CONCRETE
APRON-







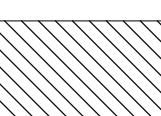

NEW CONCRETE APRON FLUSH
WITH NEW FLOOR SLAB - REFER
TO CIVIL DRAWINGS

EXIT 36" 10.2180

EXIT 36" 10.2180

154'-0"

153'-3"

LIFE SAFETY PLAN LEGEND			
	EXIT SIGN	----	SMOKE TIGHT PARTITION
	FIRE EXTINGUISHER CABINET (75' TRAVEL DISTANCE)	-----	1 HOUR RATED PARTITION
	EGRESS CAPACITY	- . - . -	2 HOUR RATED PARTITION
EXIT	EXIT DISCHARGE	- . . . -	3 HOUR RATED PARTITION
	ROOM OCCUPANT LOAD	(45)	DOOR RATING
	ROOM SQUARE FOOTAGE		
	TRAVEL DISTANCE- PATH OF EGRESS		TUG STORAGE
	NOT IN SCOPE		



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INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NFBIA:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

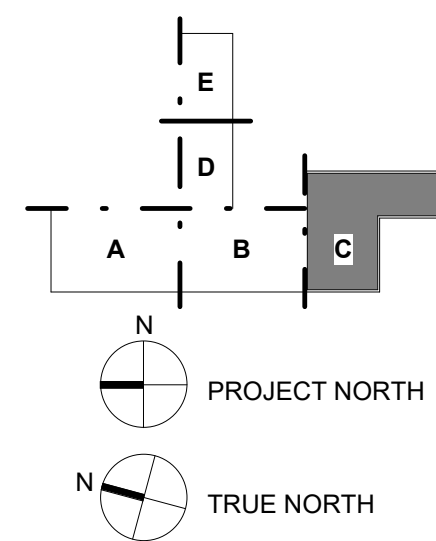
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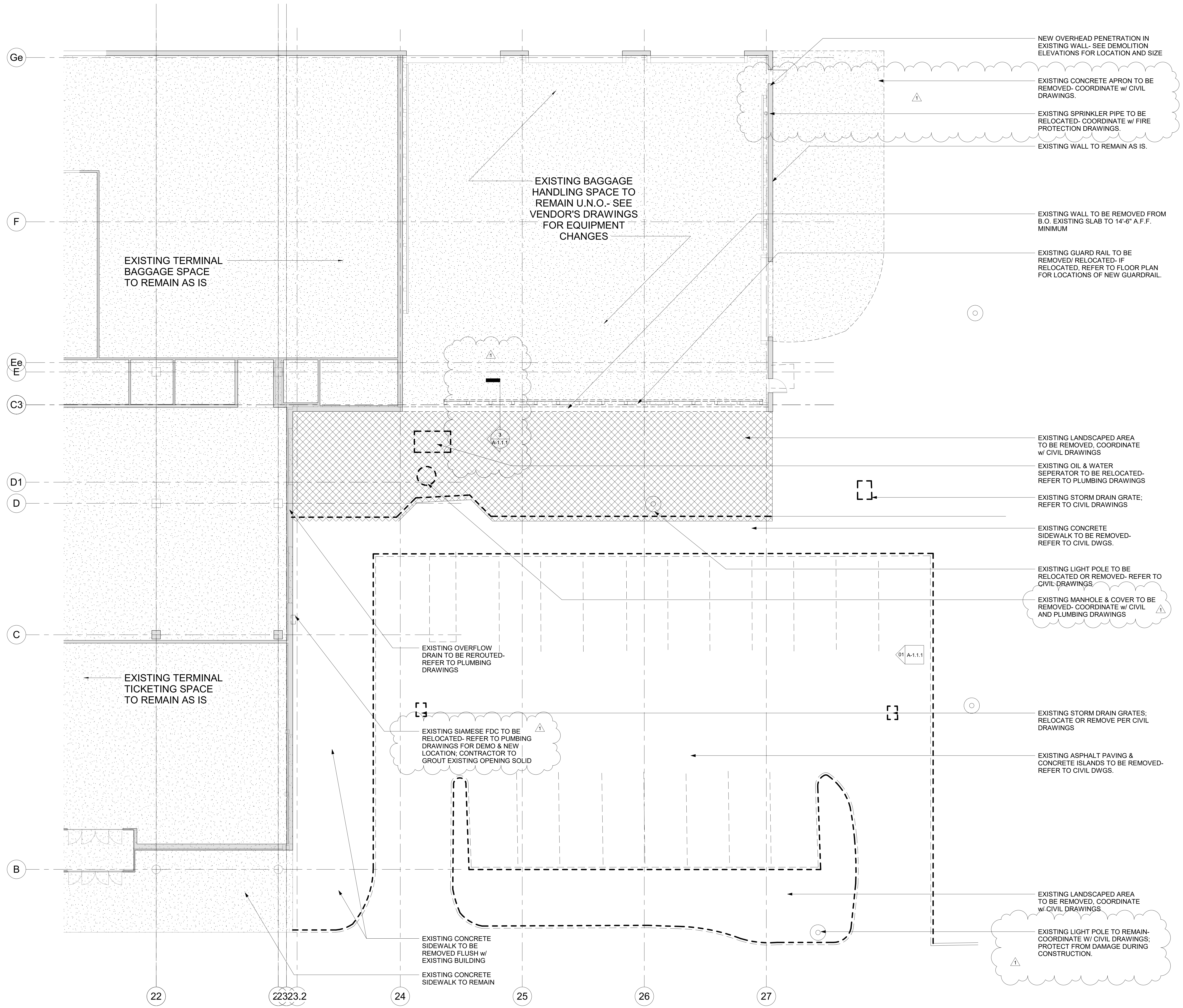
**LIFE SAFETY
PLAN**

SHEET NUMBER

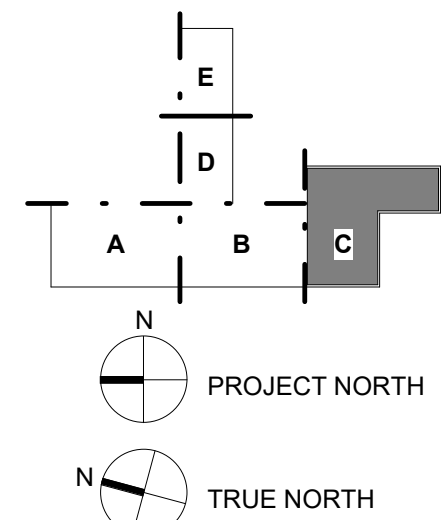
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5/8/2022 5:57:15 PM BIM 360://210115 NWBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NWBIA_TASK_1_021.rvt



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



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PANAMA CITY AIRPORT NWBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

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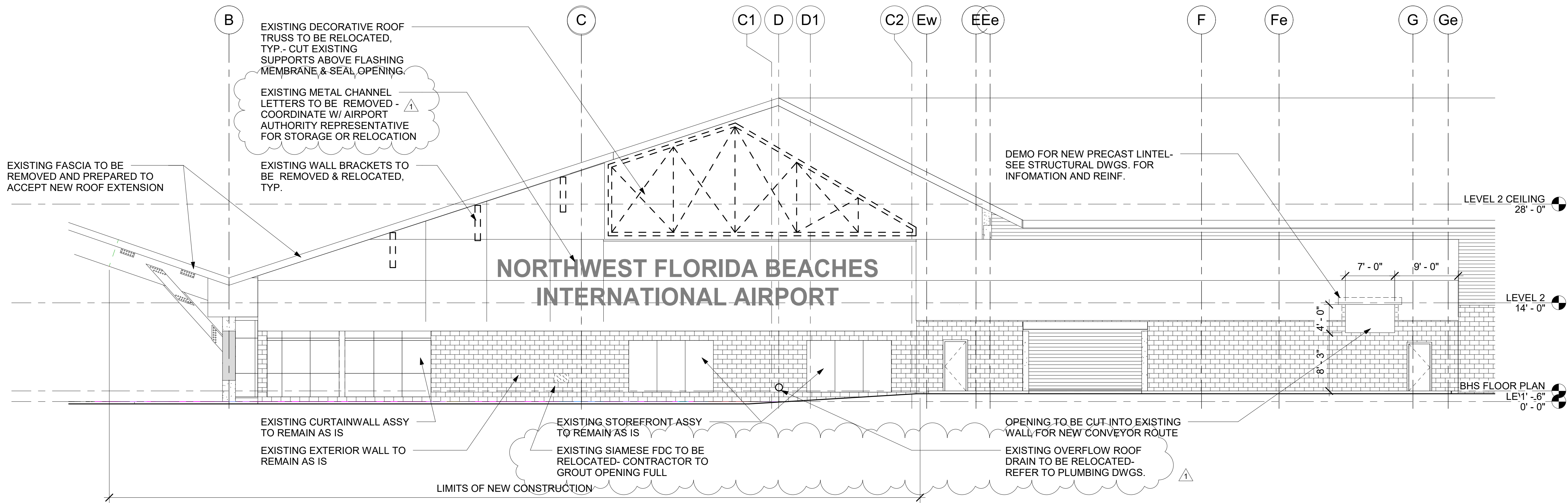
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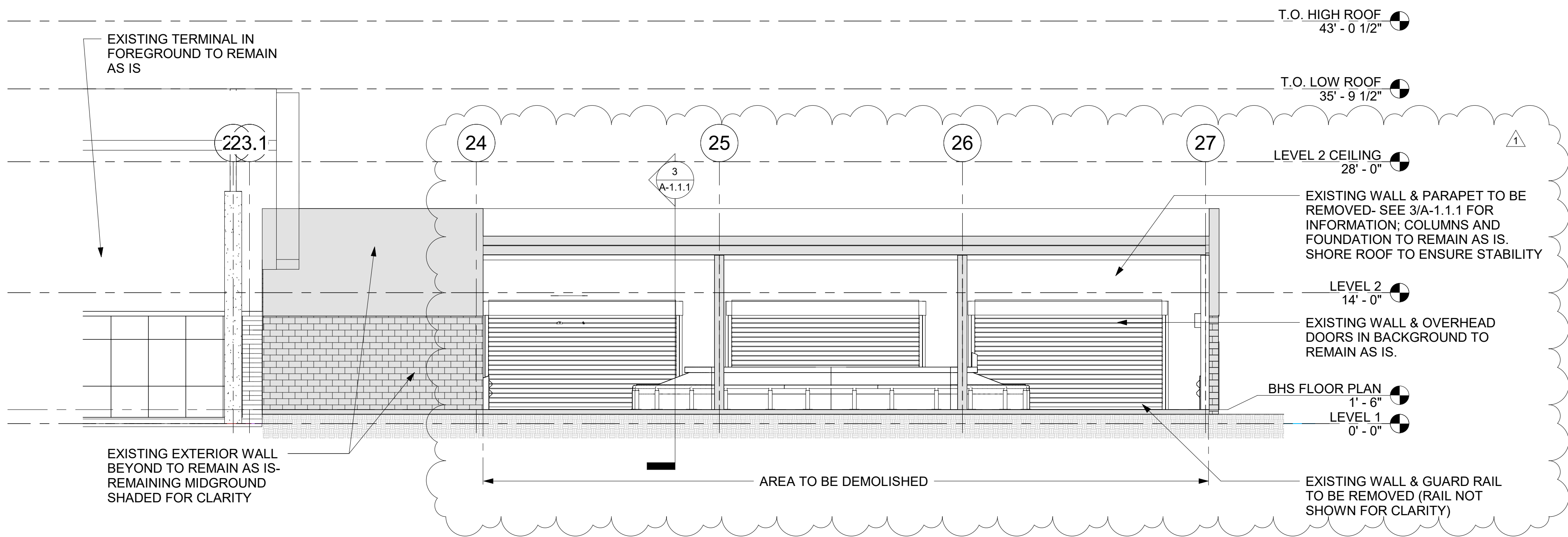
DEMOLITION FLOOR PLAN

SHEET NUMBER

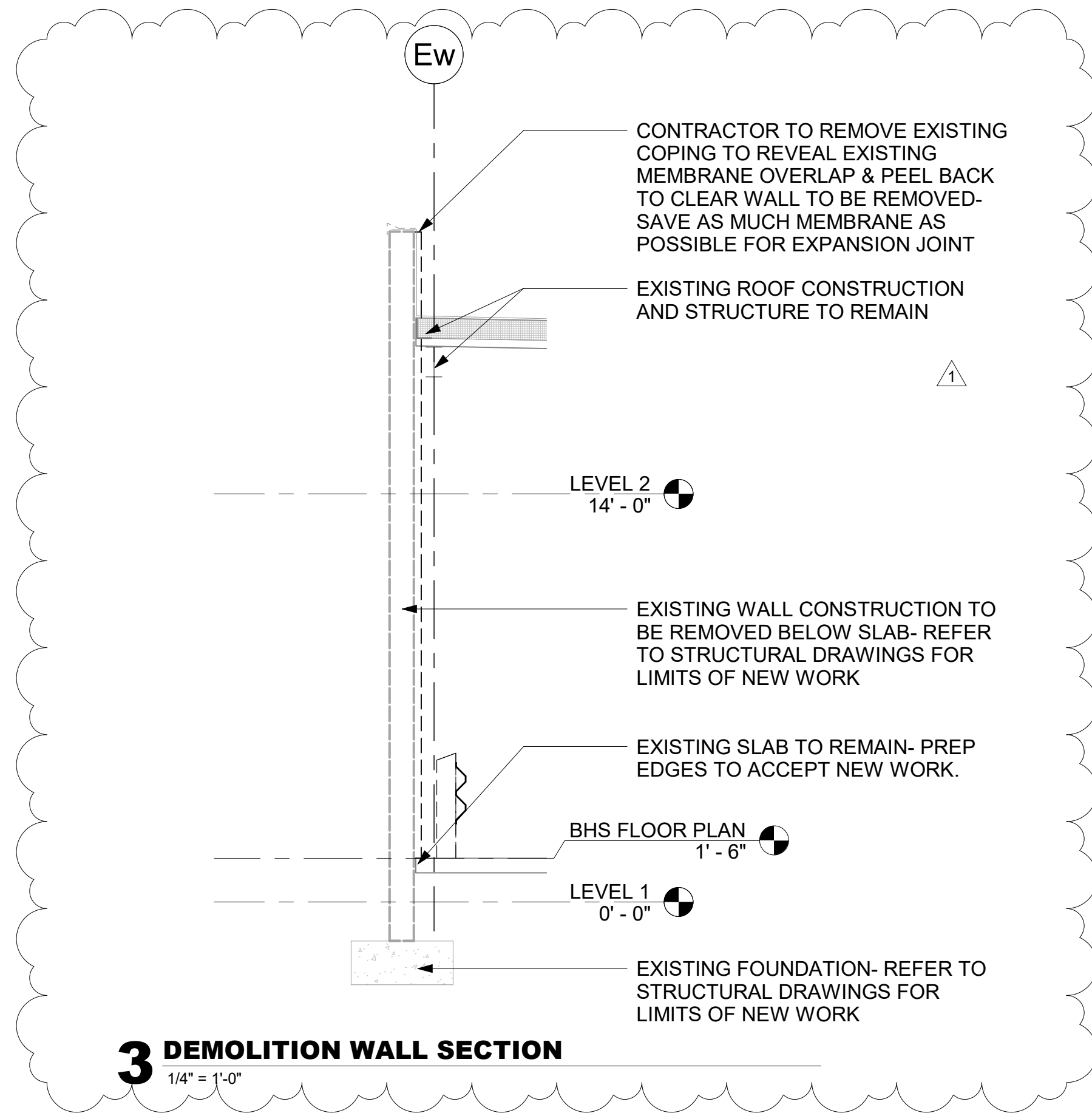
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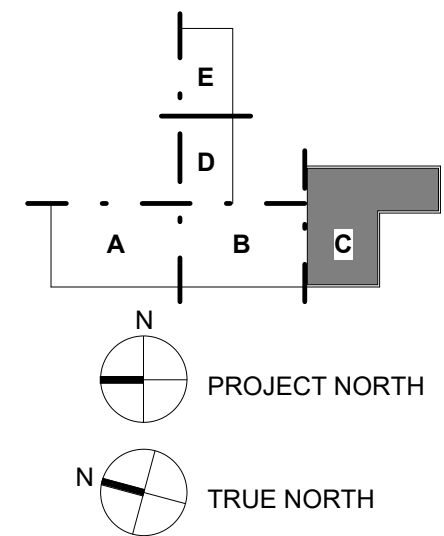
01 SOUTH ELEVATION- DEMOLITION
1/8" = 1'-0"



02 WEST ELEVATION- DEMOLITION
1/8" = 1'-0"



3 DEMOLITION WALL SECTION
1/4" = 1'-0"



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PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211

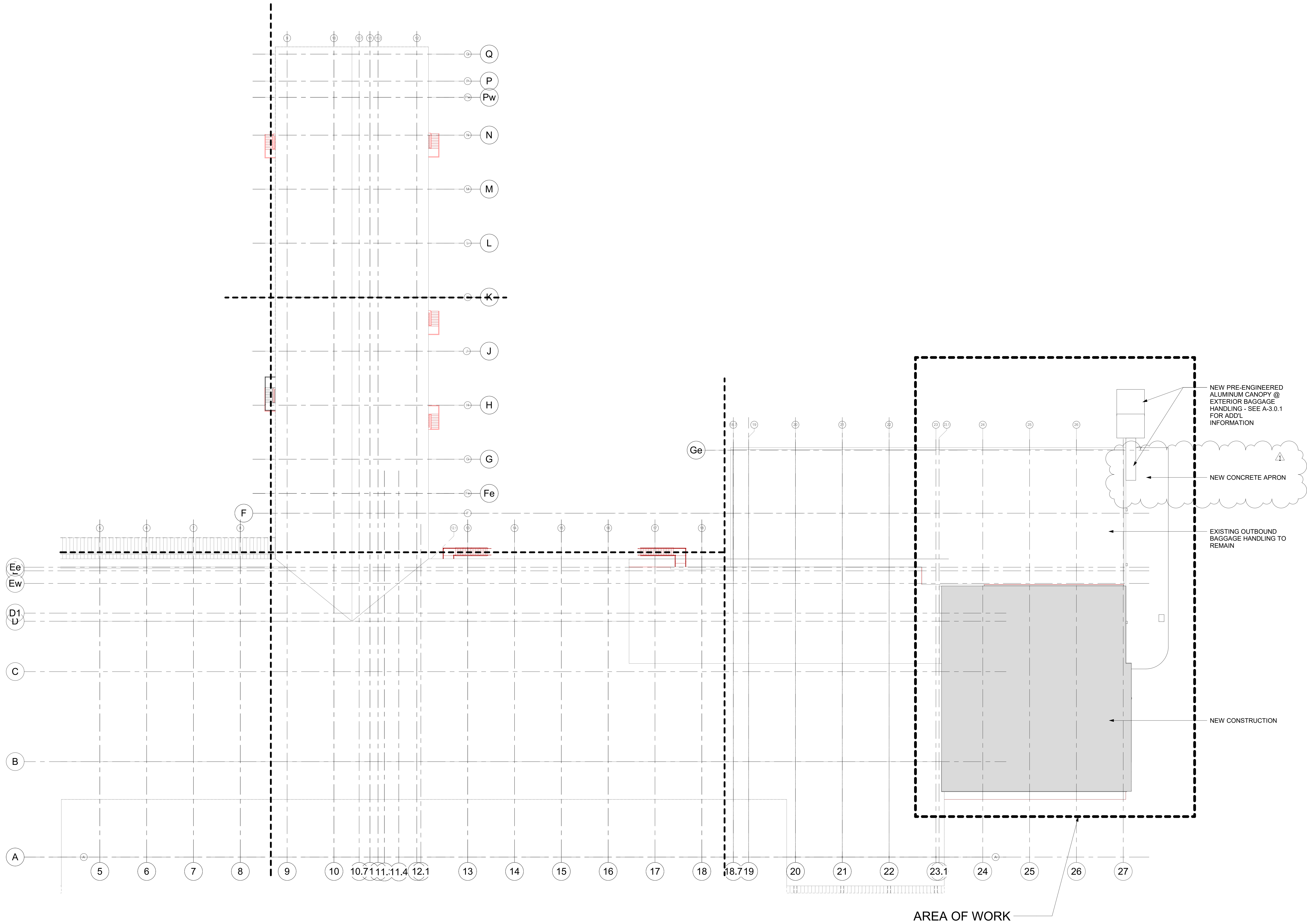
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DEMOLITION ELEVATIONS

SHEET NUMBER

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01 Site
1" = 20'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NFBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

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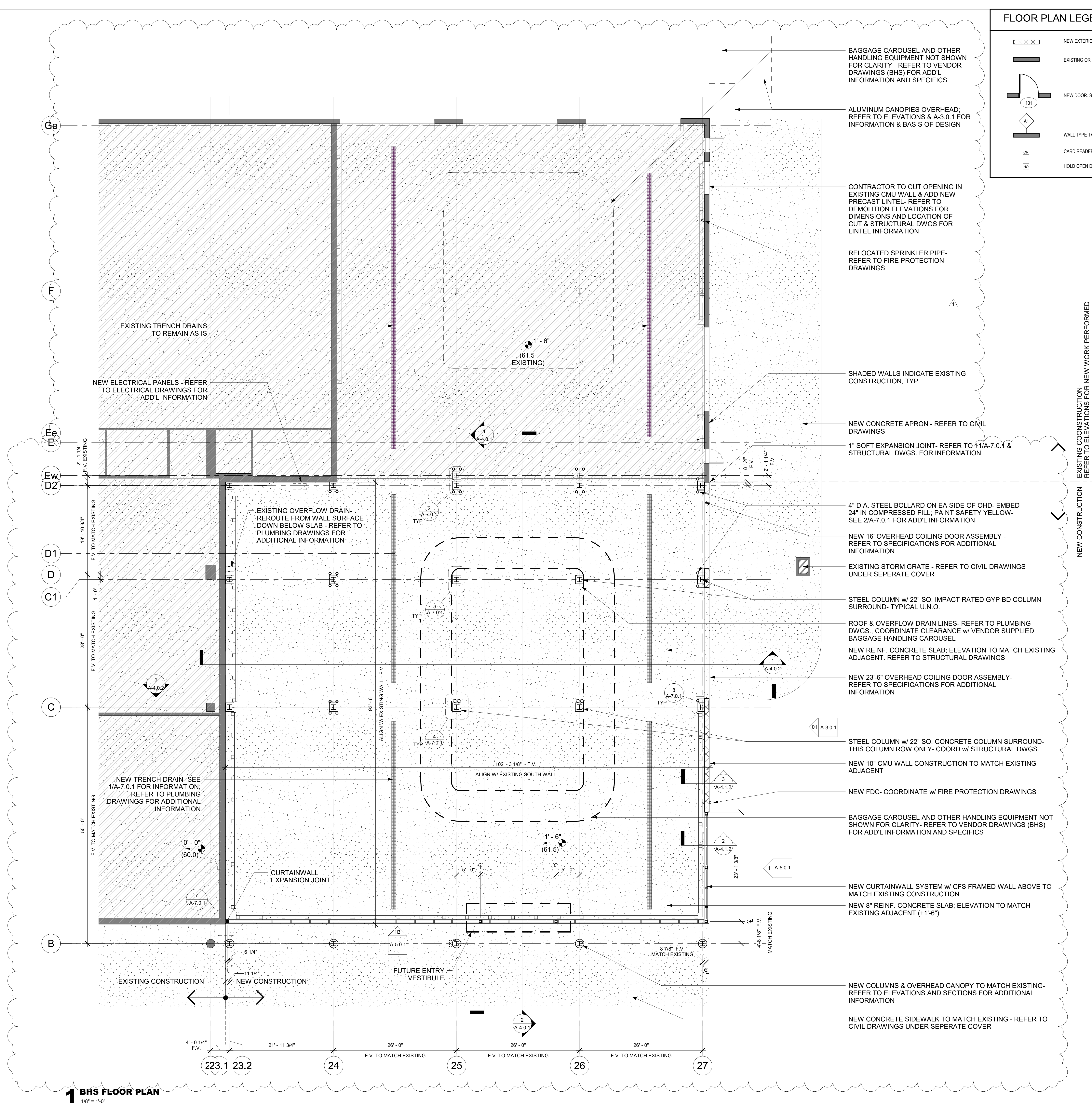
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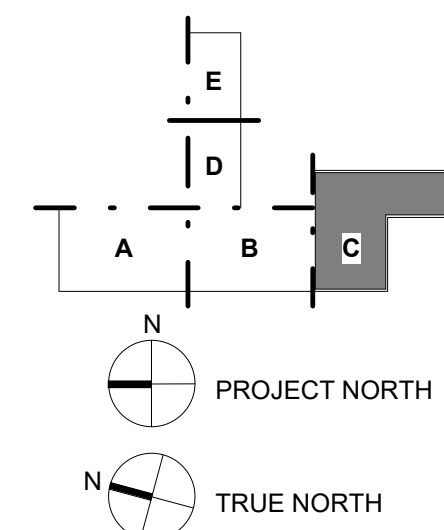
SITE PLAN

SHEET NUMBER

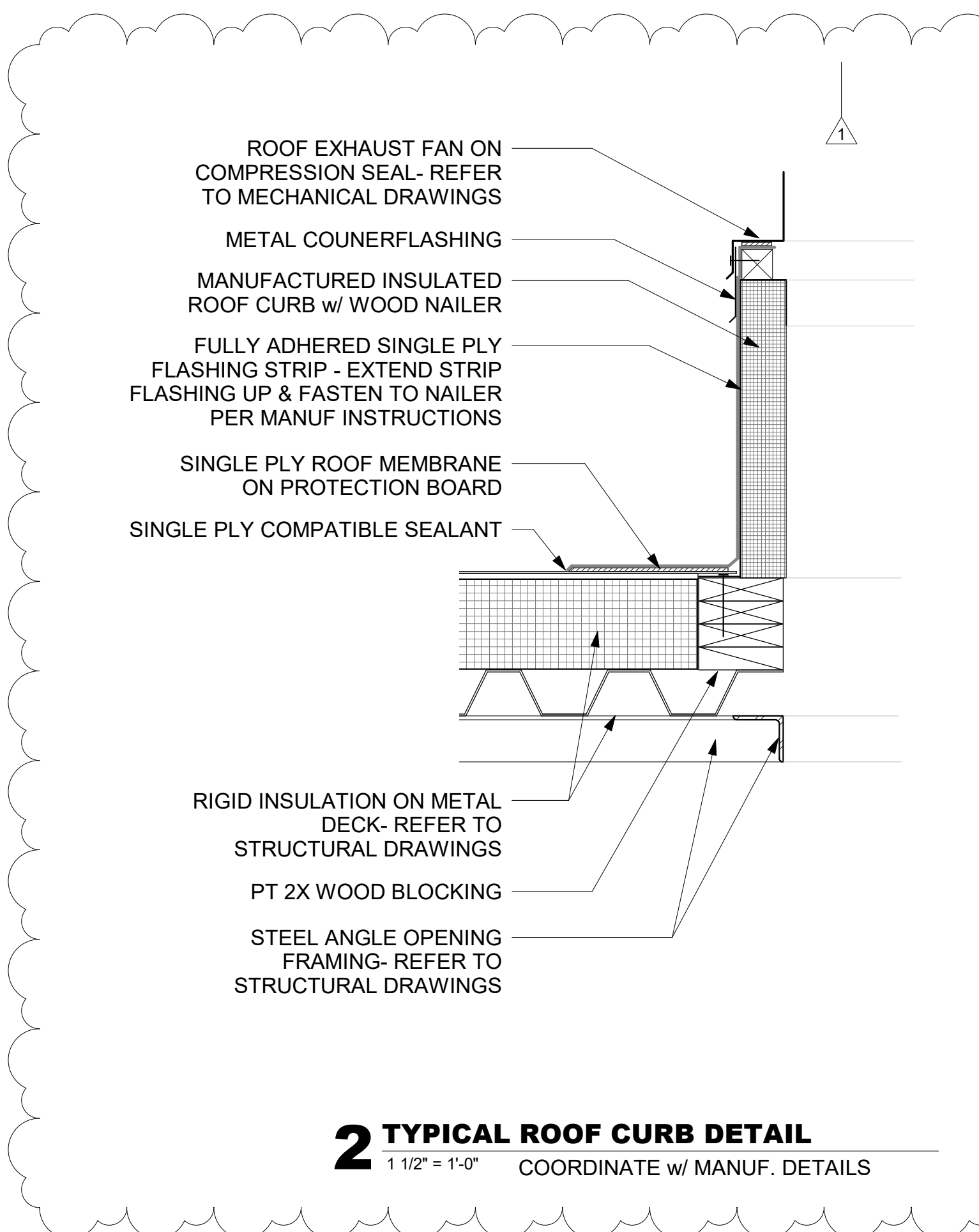
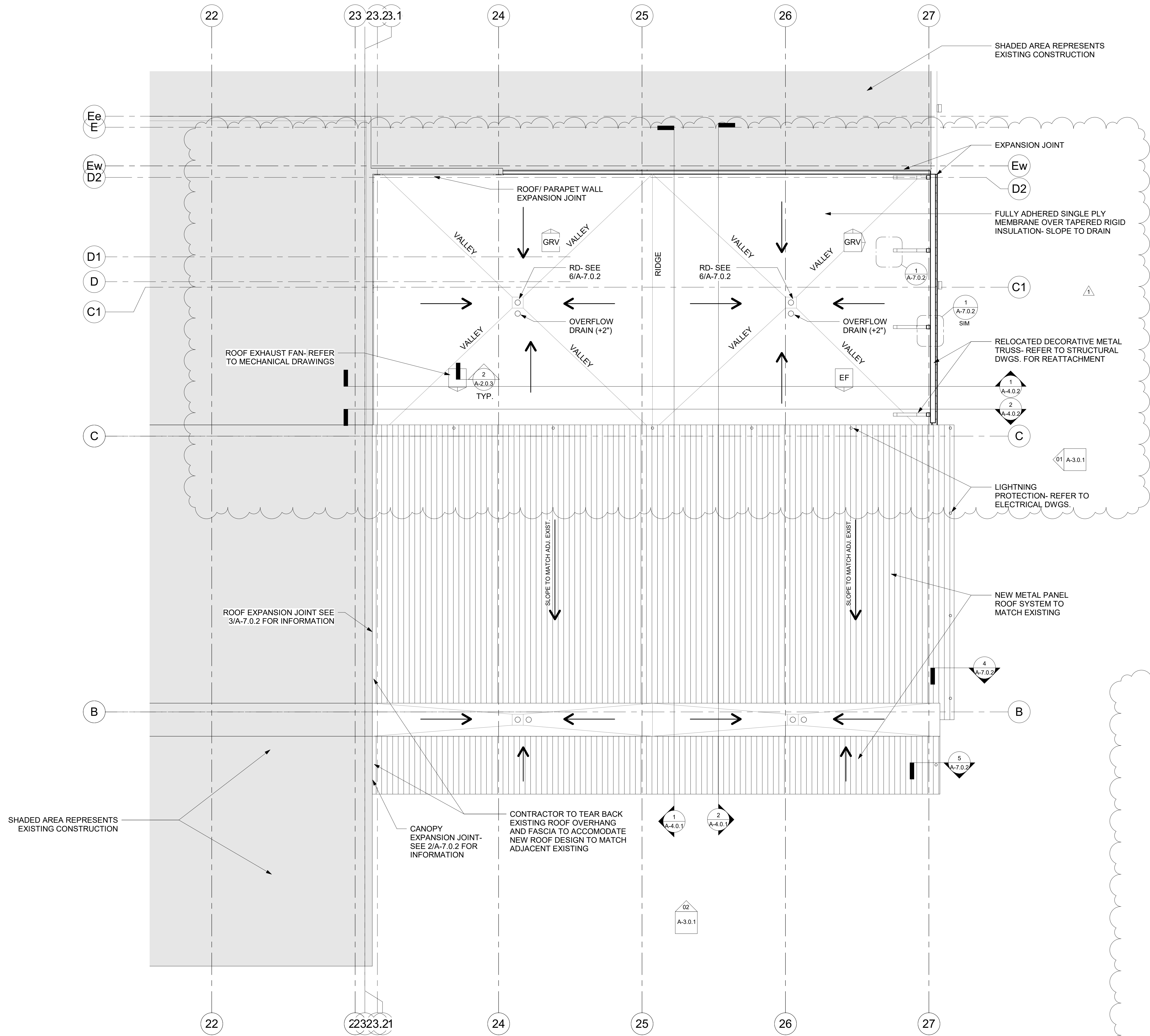
A-2.0.1



NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL



5/11/2022 2:05:47 PM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NFBIA_TASK_1_021.rvt



1 Roof Plan
1/8" = 1'-0"

NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL

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ZHA

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1	BID DOCUMENT REVISIONS	05/10/2022

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CLIENT

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)

PROJECT TITLE

PANAMA CITY AIRPORT NFBIA: OUTBOUND BAGGAGE EXPANSION

PROJECT NUMBER

NO. 210211

ISSUE DATE

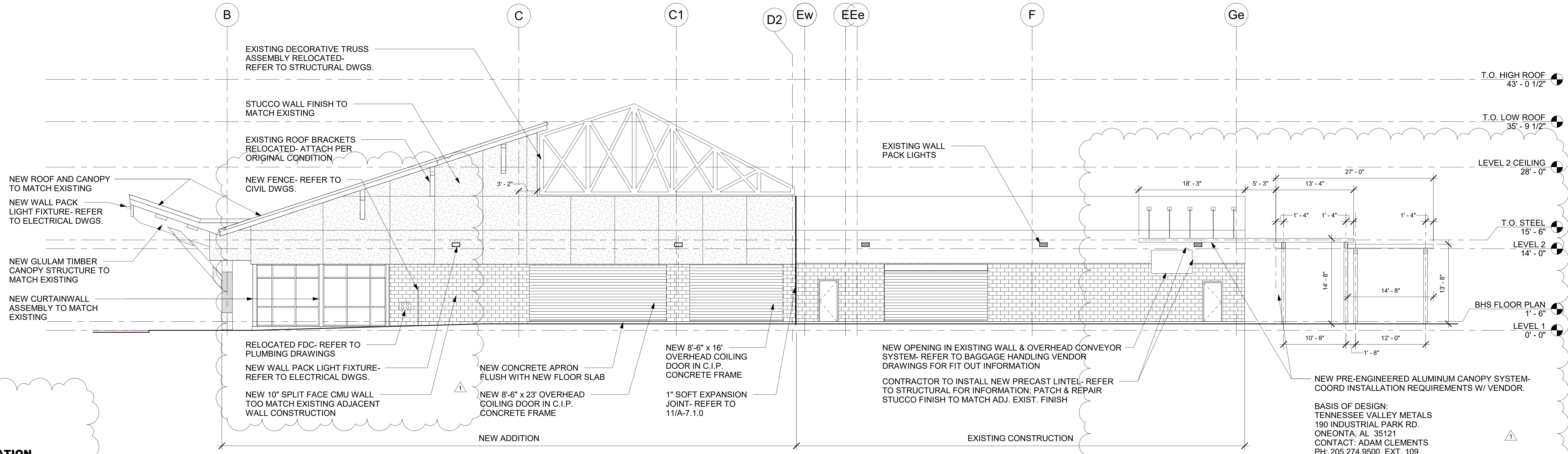
5.10.2022

DRAWING TITLE

ROOF PLAN

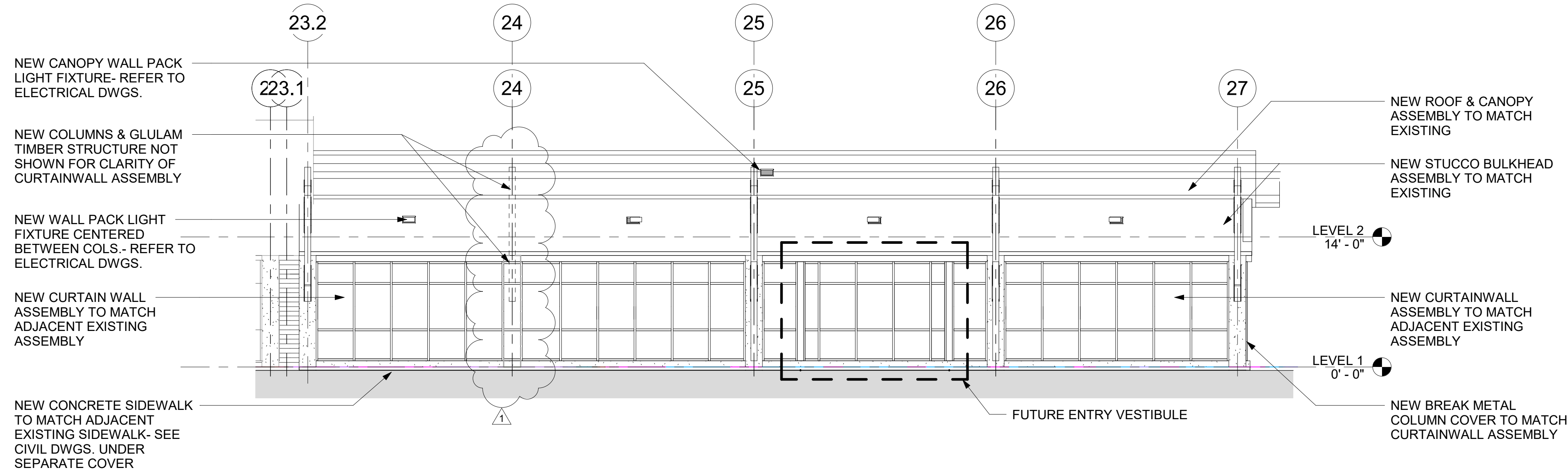
SHEET NUMBER

A-2.0.3



01 SOUTH ELEVATION

1/8" = 1'-0"



02 WEST ELEVATION

1/8" = 1'-0"



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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

DRAWING TITLE

**EXTERIOR
ELEVATIONS**

SHEET NUMBER

A-3.0.1



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE:

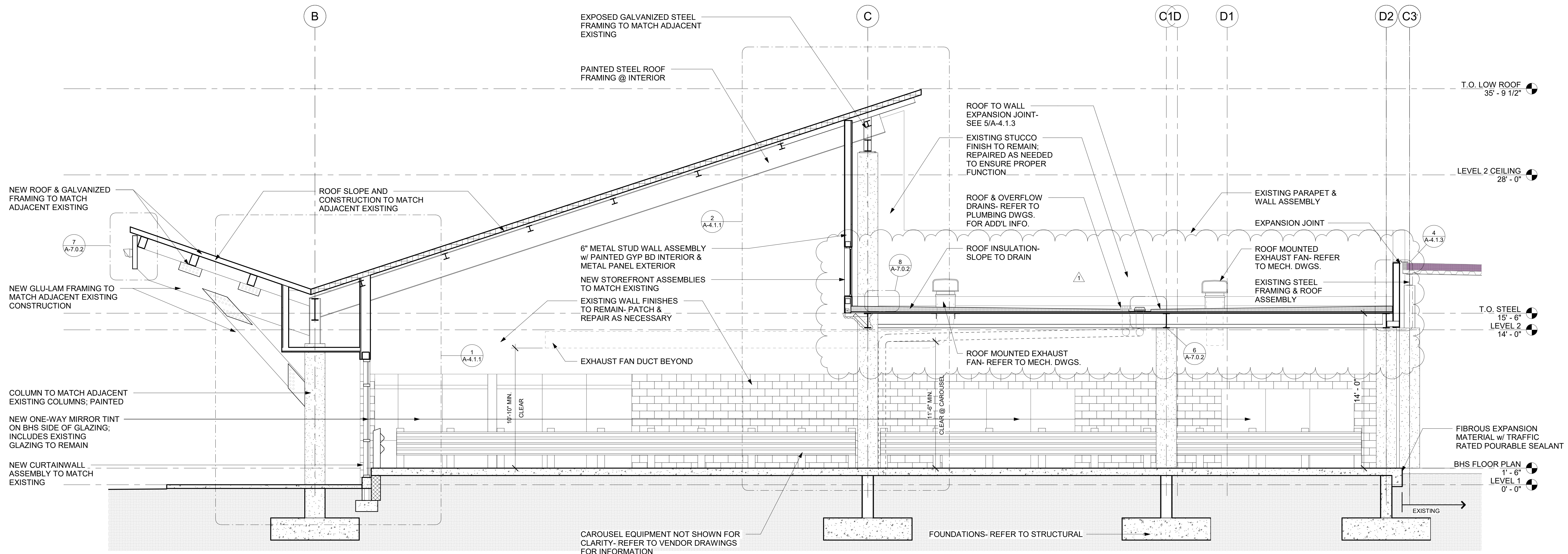
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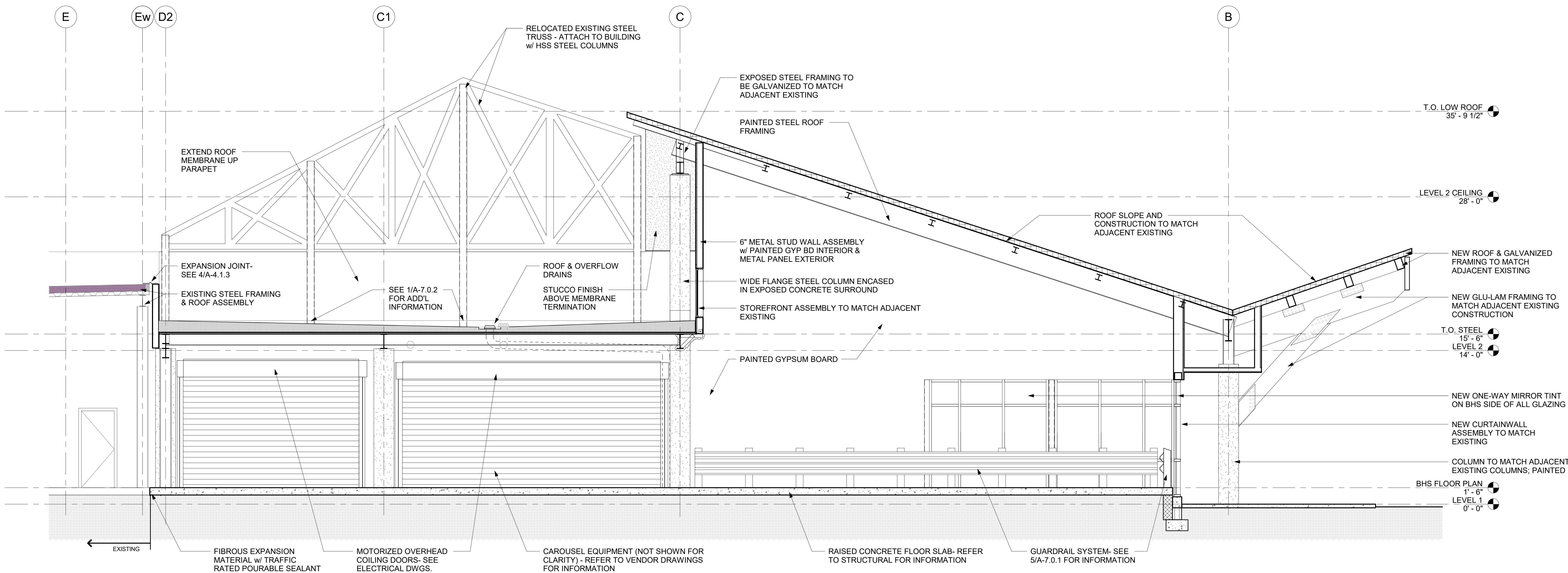
BUILDING SECTIONS

SHEET NUMBER

A-4.0.1



1 E-W Longitudinal Section- Looking North
1/4" = 1'-0"



2 E-W Longitudinal Section- Looking South
1/4" = 1'-0"

NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL



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1	ADDENDUM 3		4/26/22
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PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

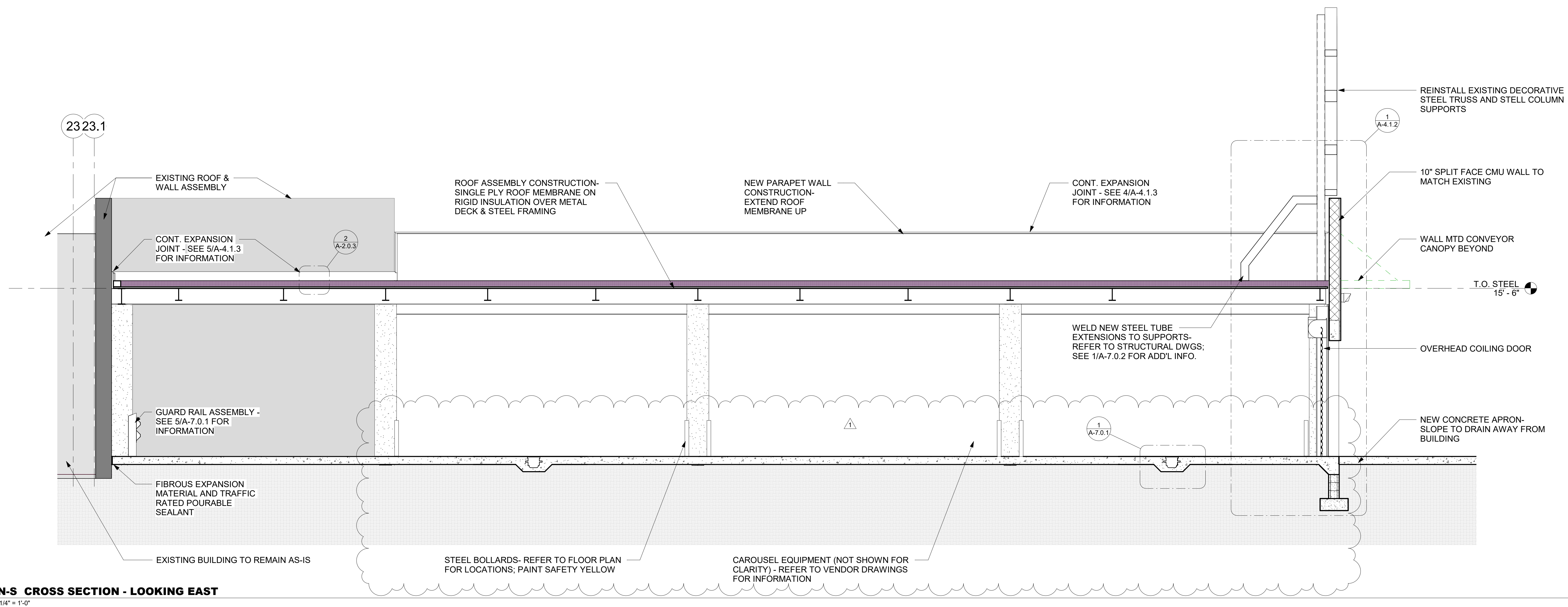
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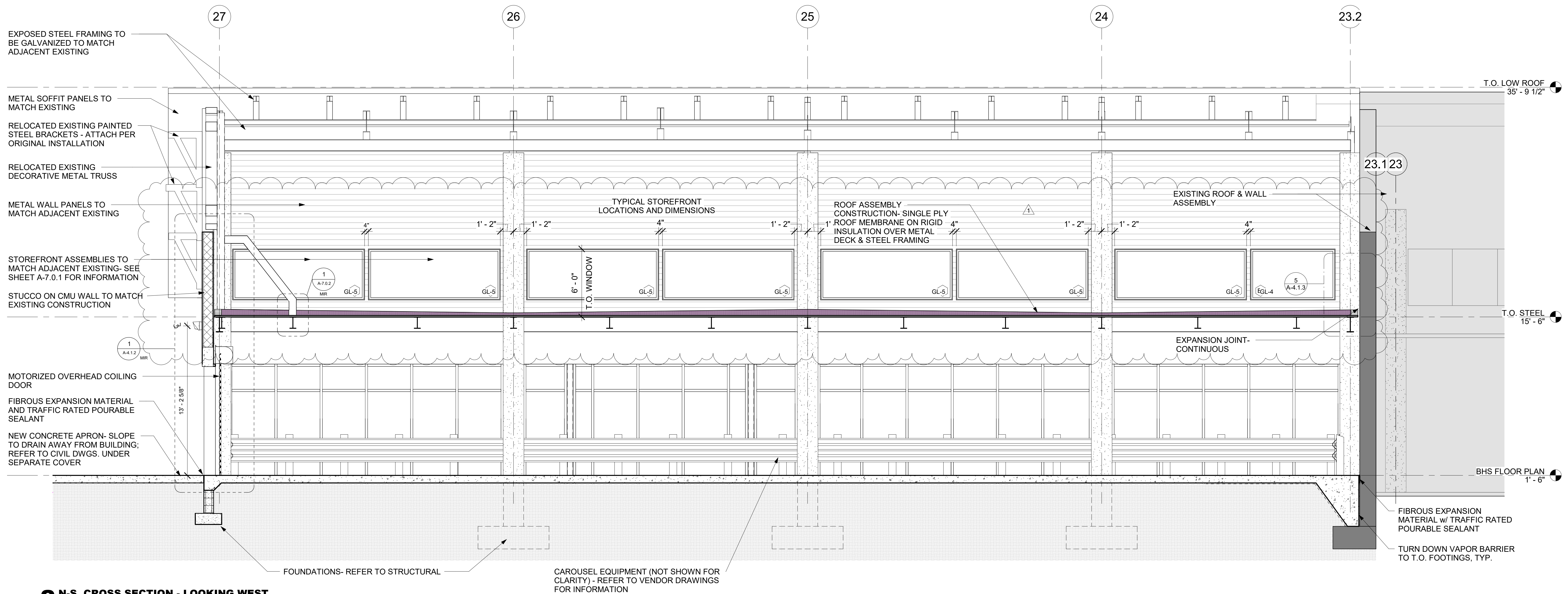
BUILDING SECTIONS

SHEET NUMBER

A-4.0.2



1 N-S CROSS SECTION - LOOKING EAST
1/4" = 1'-0"



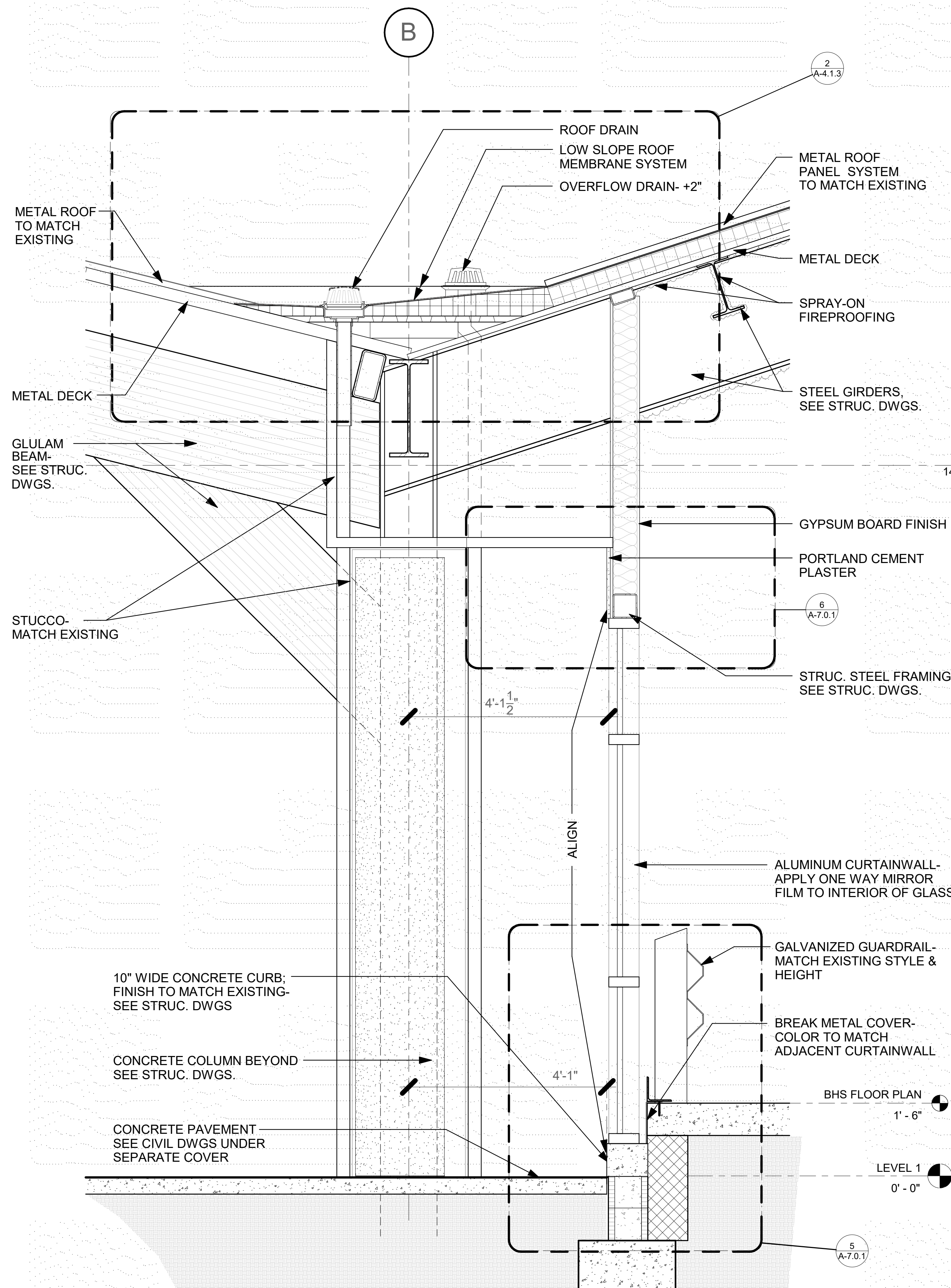
2 N-S CROSS SECTION - LOOKING WEST
1/4" = 1'-0"

NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL

5/10/2022 3:52:26 PM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NWFB Task 1_1211.rvt

1 West Curtainwall Low

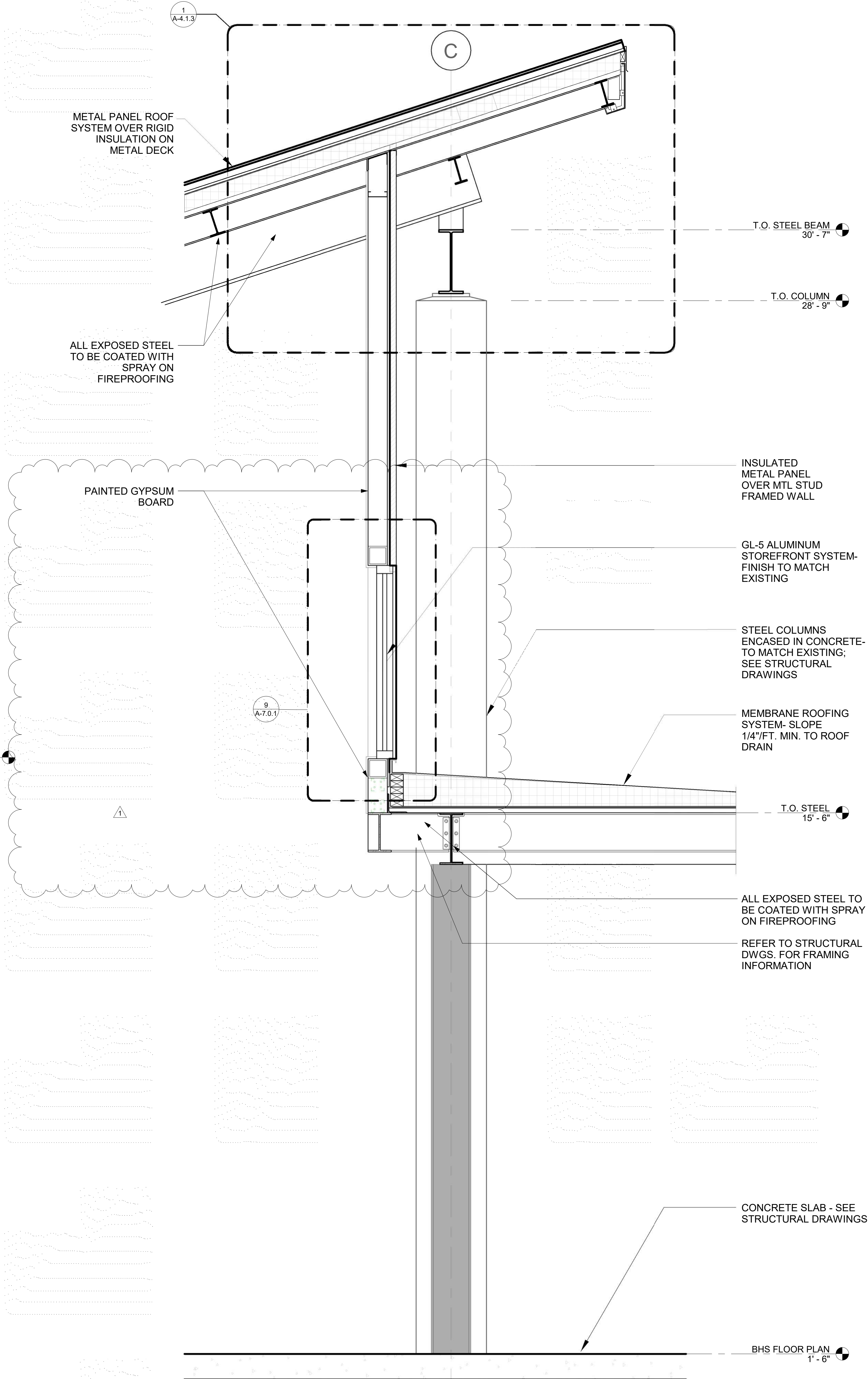
3/4" = 1'-0"



NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL

2 High Wall Section

3/4" = 1'-0"



NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

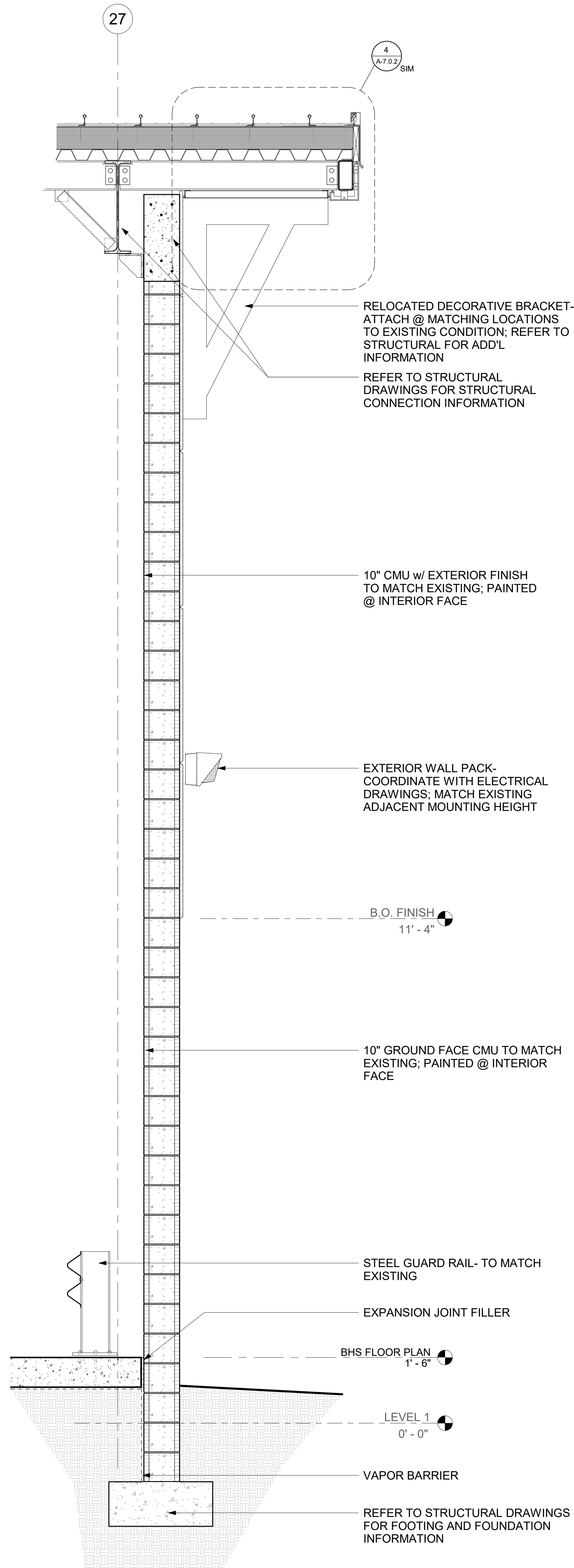
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**WALL
SECTIONS**

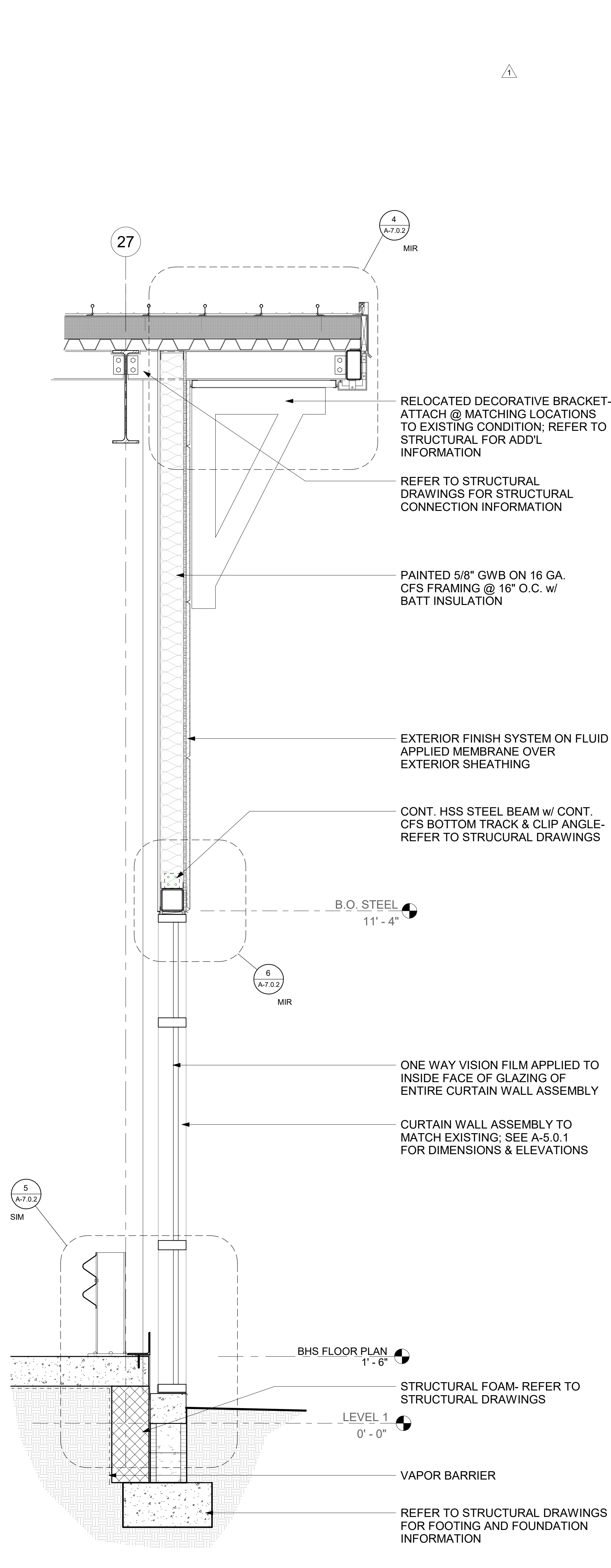
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A-4.1.1

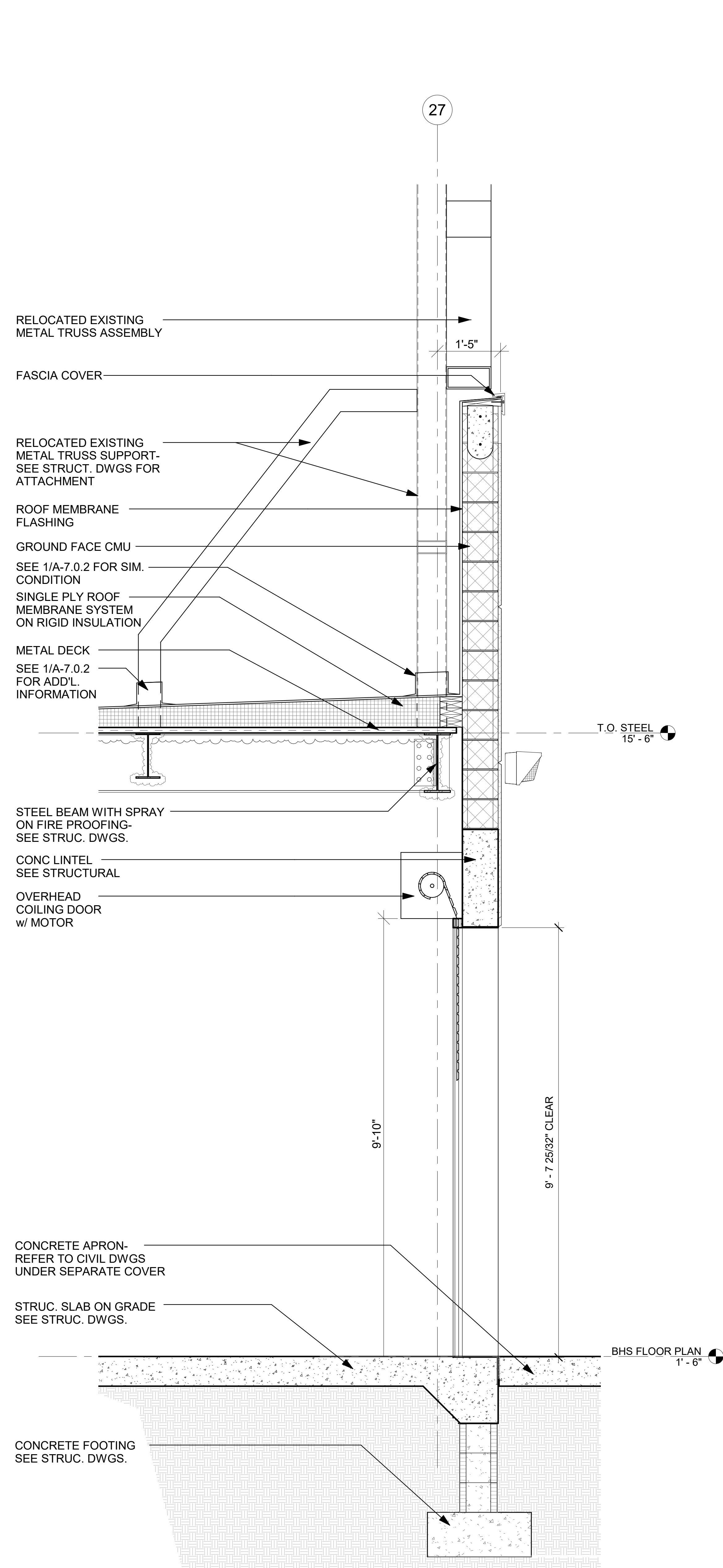
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3 TYPICAL CMU WALL SECTION - SOUTH WALL
3/4" = 1'-0"



2 WALL SECTION @ SOUTH CURTAIN WALL
3/4" = 1'-0"



1 CMU WALL OHD SECTION
3/4" = 1'-0"

NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL



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PROJECT TITLE
PANAMA CITY AIRPORT NWFBA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211

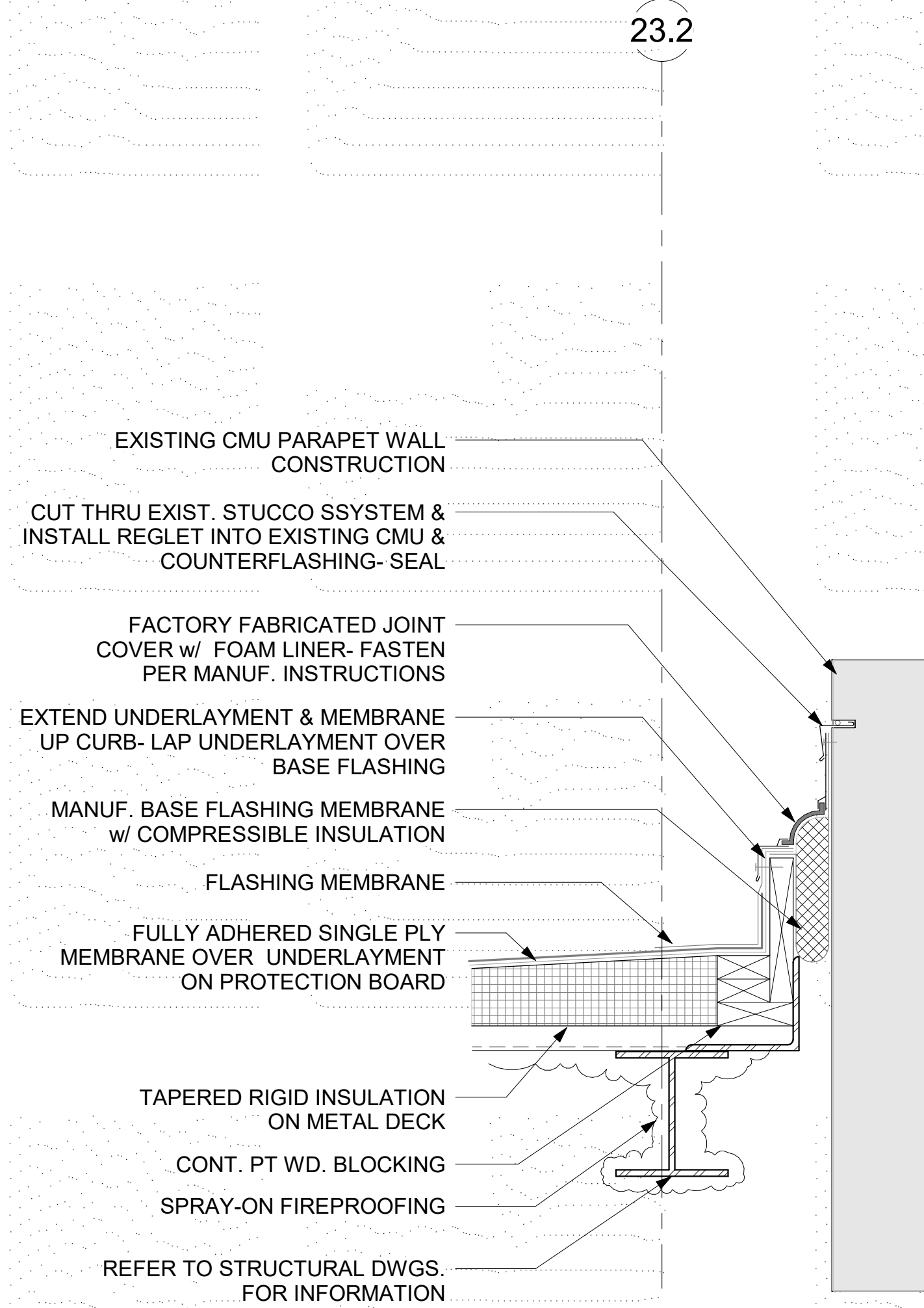
ISSUE DATE
5.10.2022

DRAWING TITLE
**WALL
SECTIONS**

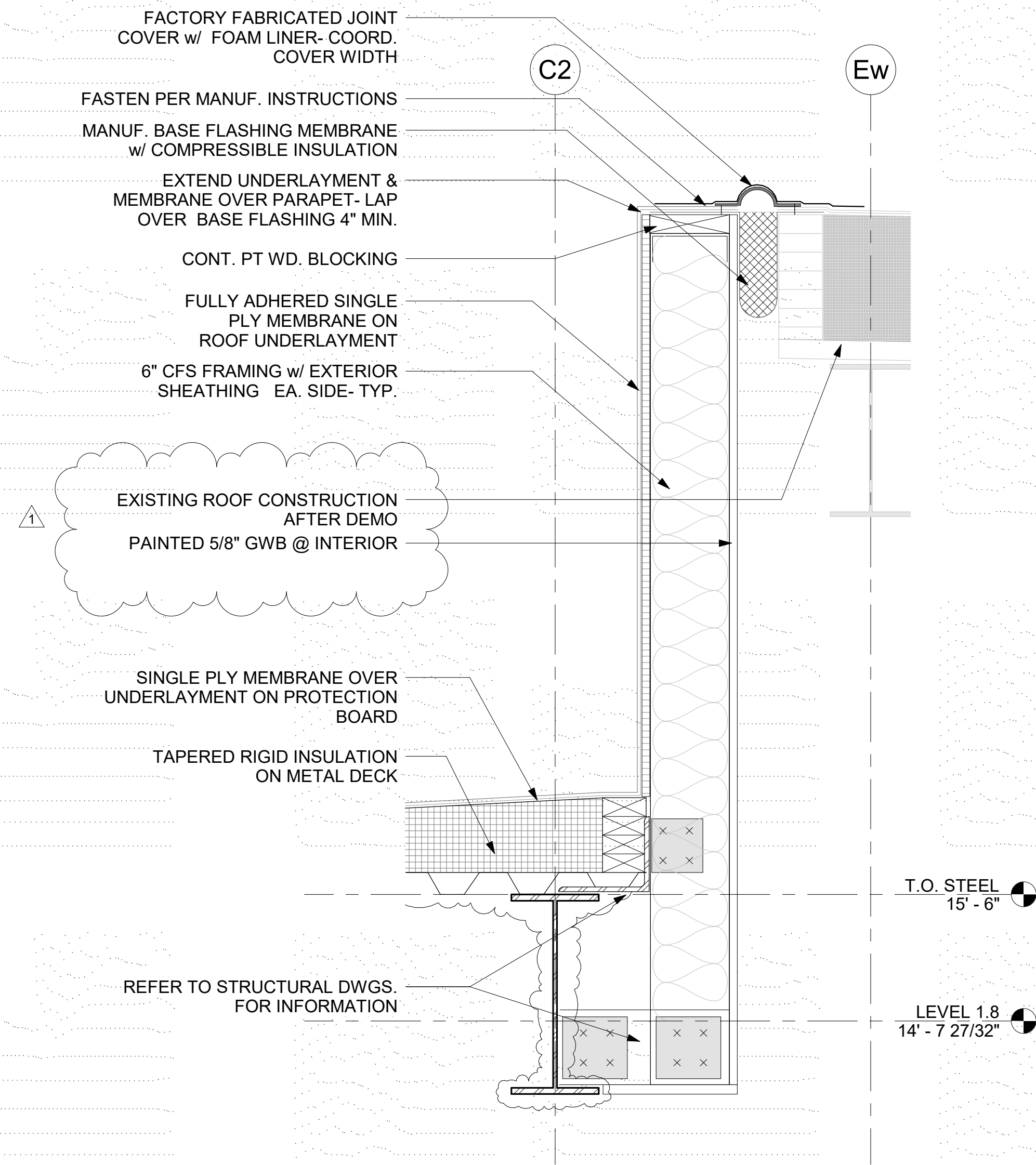
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A-4.1.2

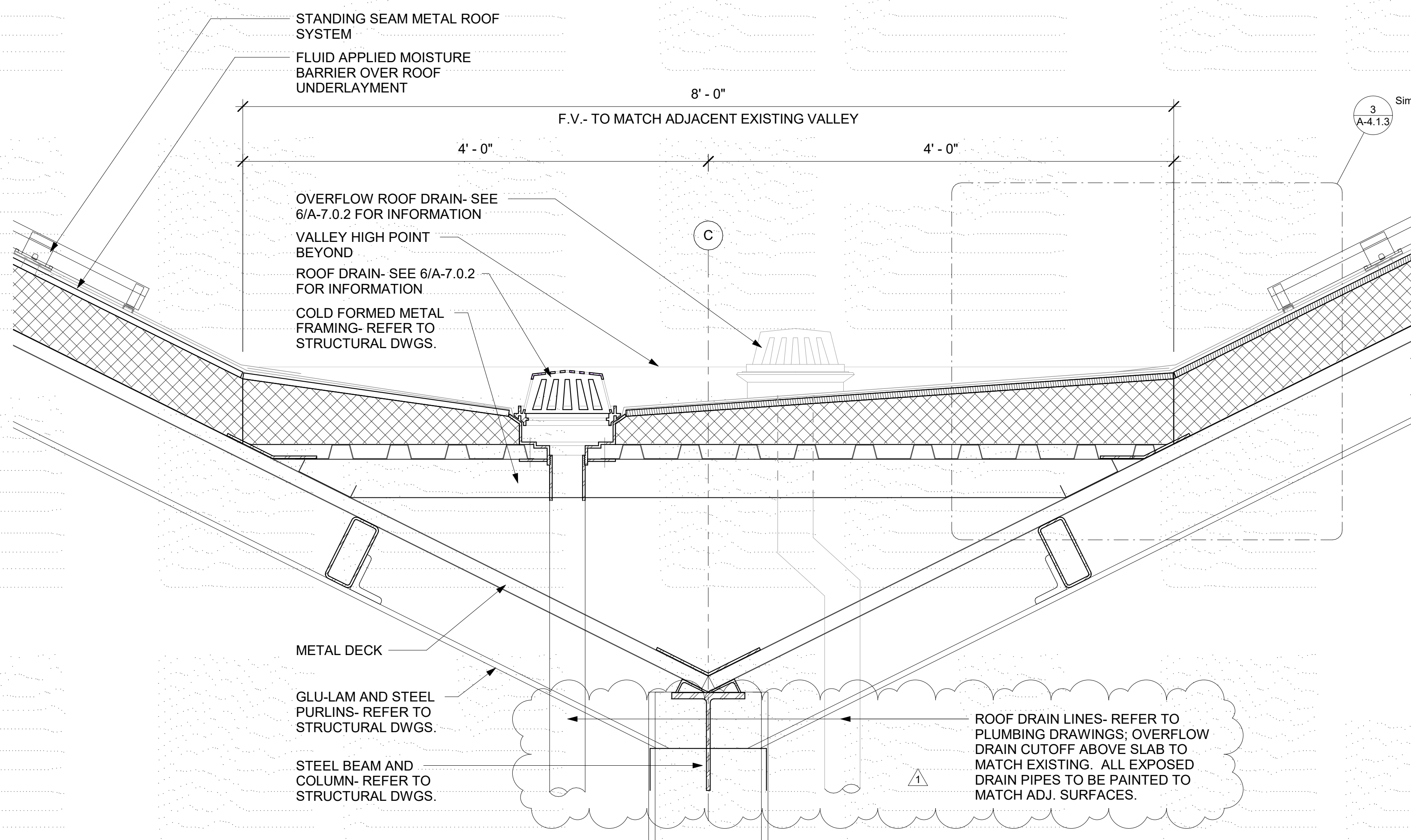
5/10/2022 4:41:19 PM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 Panama City Airport NWFB Task 1_2101.rvt



5 ROOF TO PARAPET EXPANSION JOINT DETAIL
1 1/2" = 1'-0"

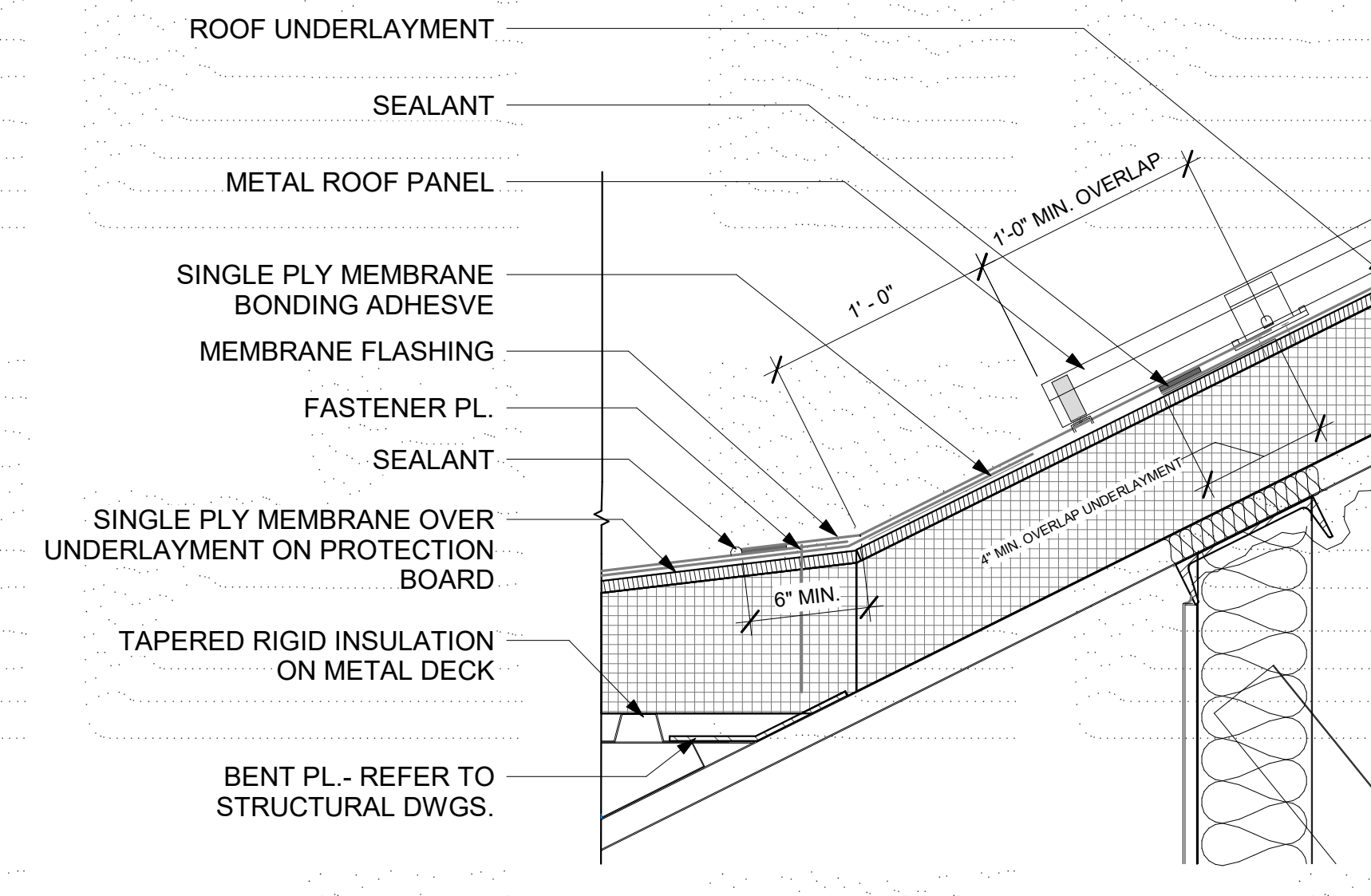


4 North Wall Parapet Section
1 1/2" = 1'-0"

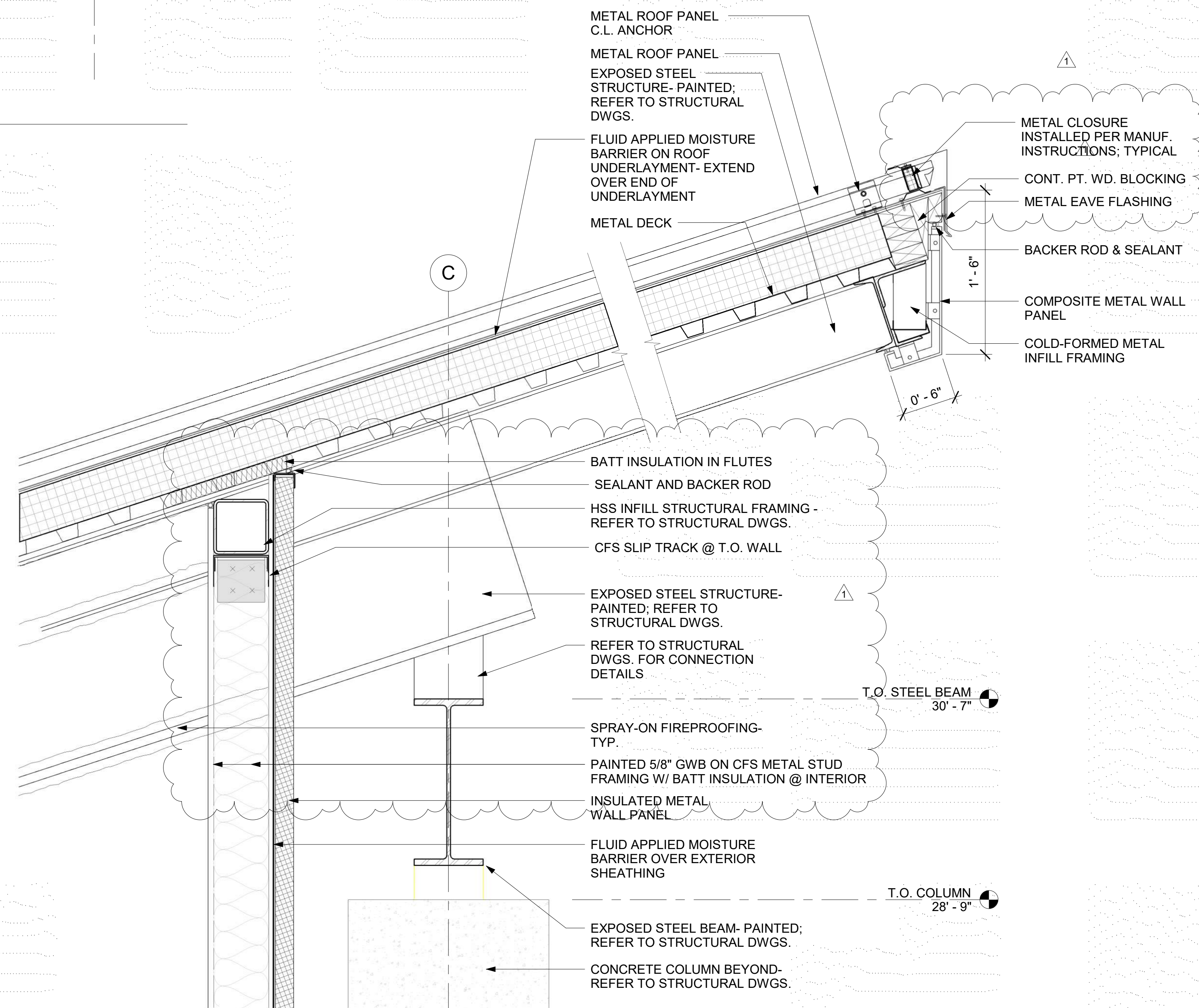


NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL

2 ENLARGED VALLEY DETAIL
1 1/2" = 1'-0"



3 VALLEY FLASHING DETAIL
1 1/2" = 1'-0"



NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL

1 HIGH ROOF FASCIA DETAIL
1 1/2" = 1'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

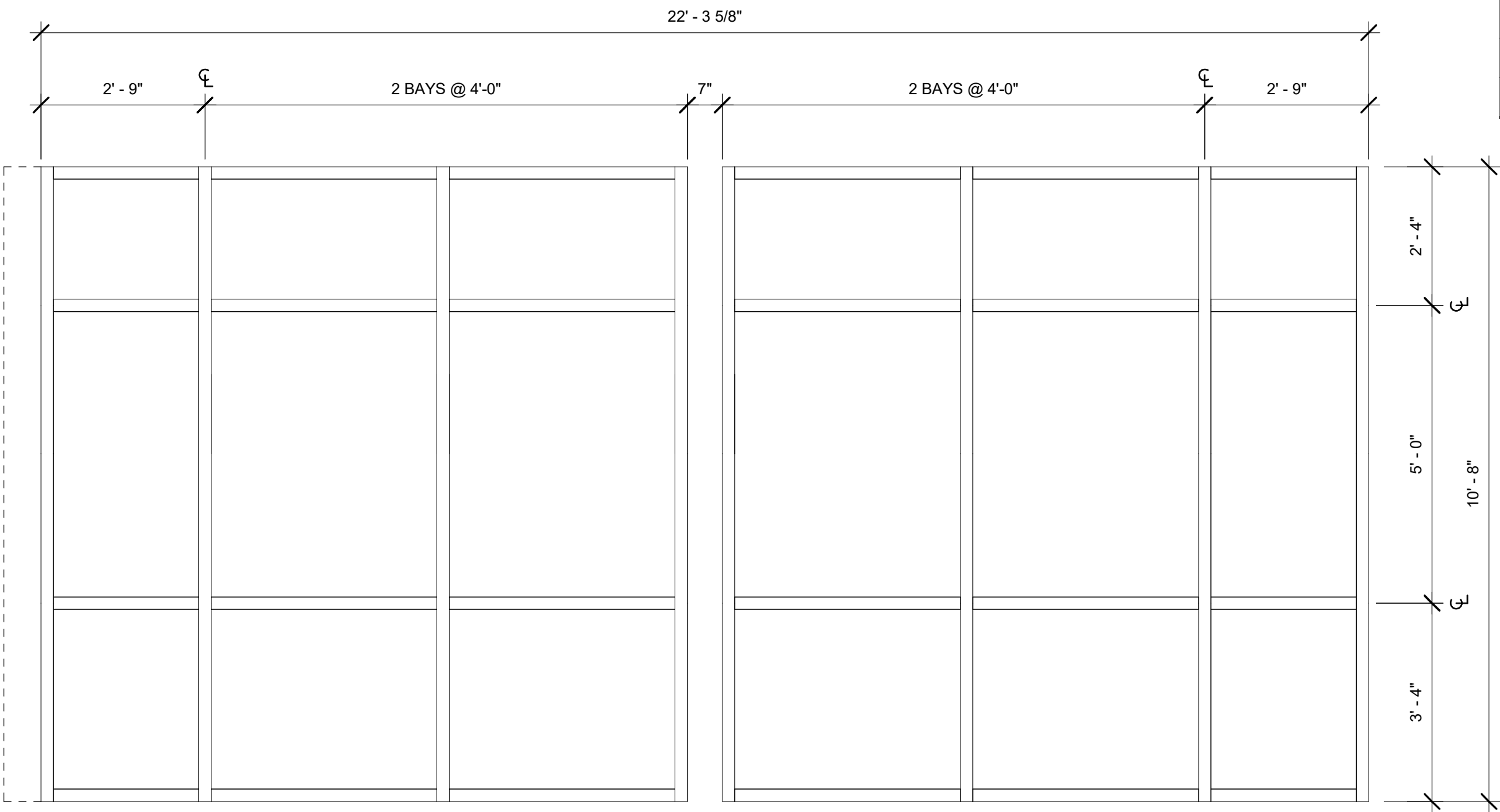
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ROOF SECTIONS

SHEET NUMBER

A-4.1.3

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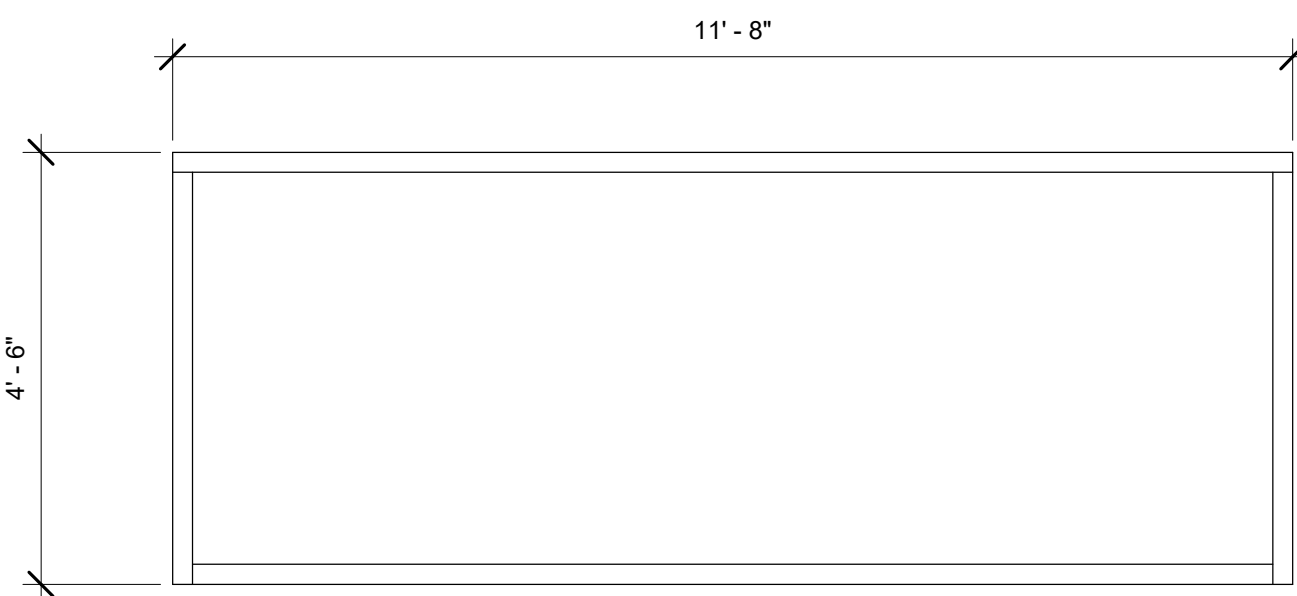


2 CURTAINWALL ELEVATIONS (SOUTH)

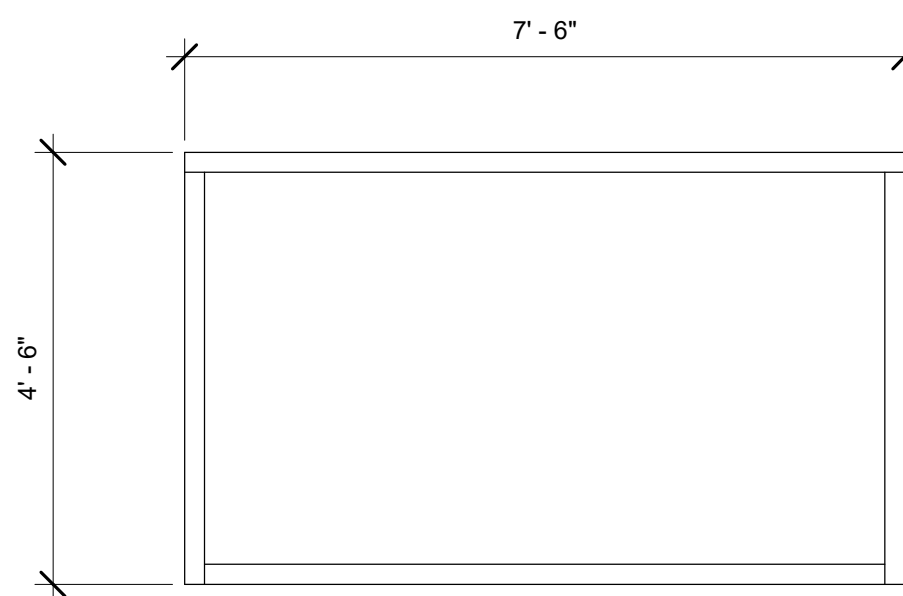
1/2" = 1'-0"

4 OHD DOOR ELEVATIONS

1/2" = 1'-0"



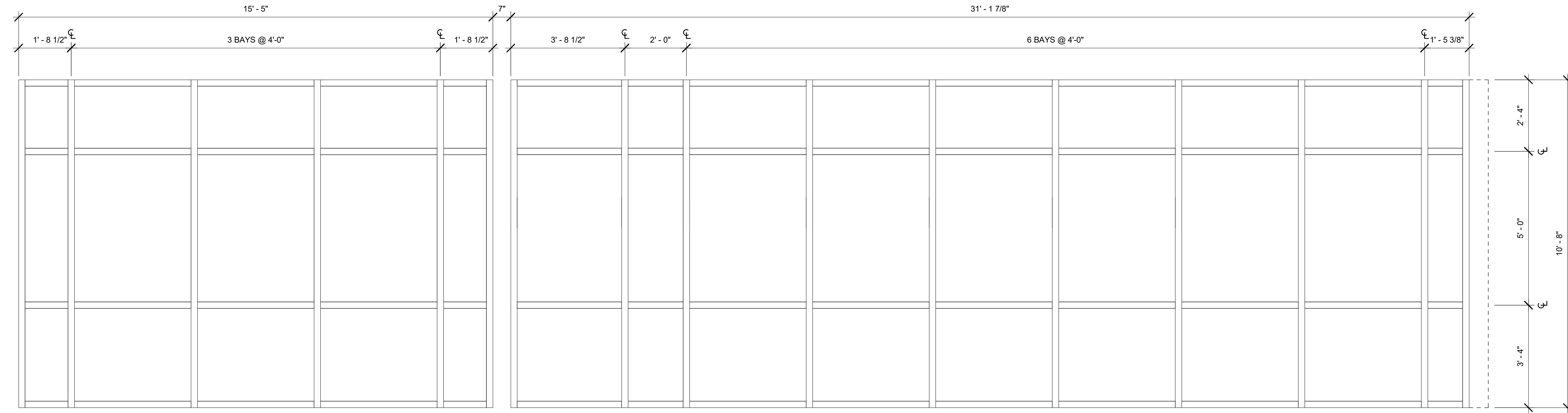
A



B

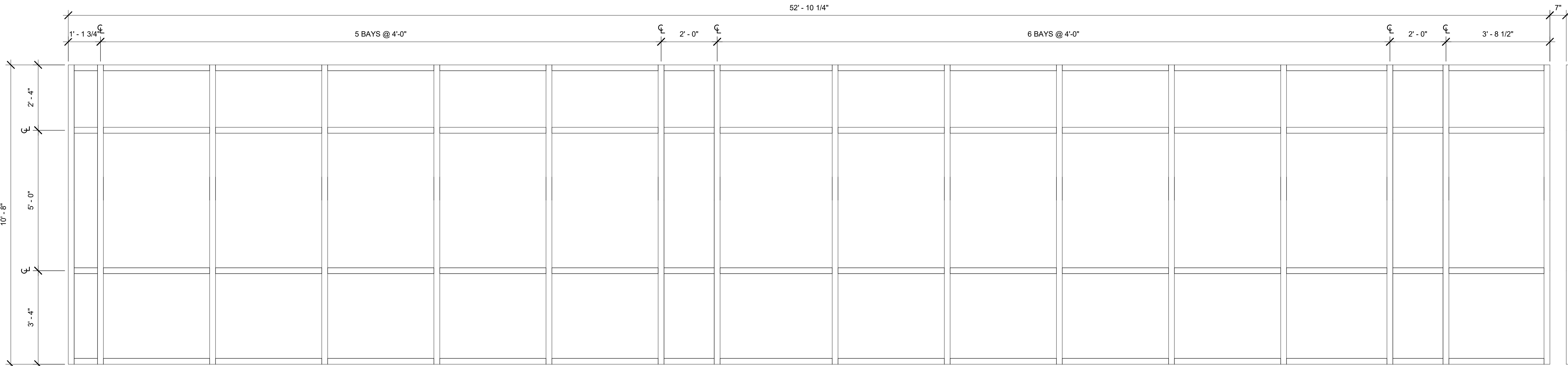
3 STOREFRONT ELEVATIONS

1/2" = 1'-0"



1B CURTAINWALL ELEVATIONS (WEST cont.)

1/2" = 1'-0"



1A CURTAINWALL ELEVATIONS (WEST)

1/2" = 1'-0"

REFER TO
18/A-5.0.1 FOR
CONTINUATION
OF CURTAIN
WALL SYSTEM

NEW SHEET ADDED TO SET



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PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

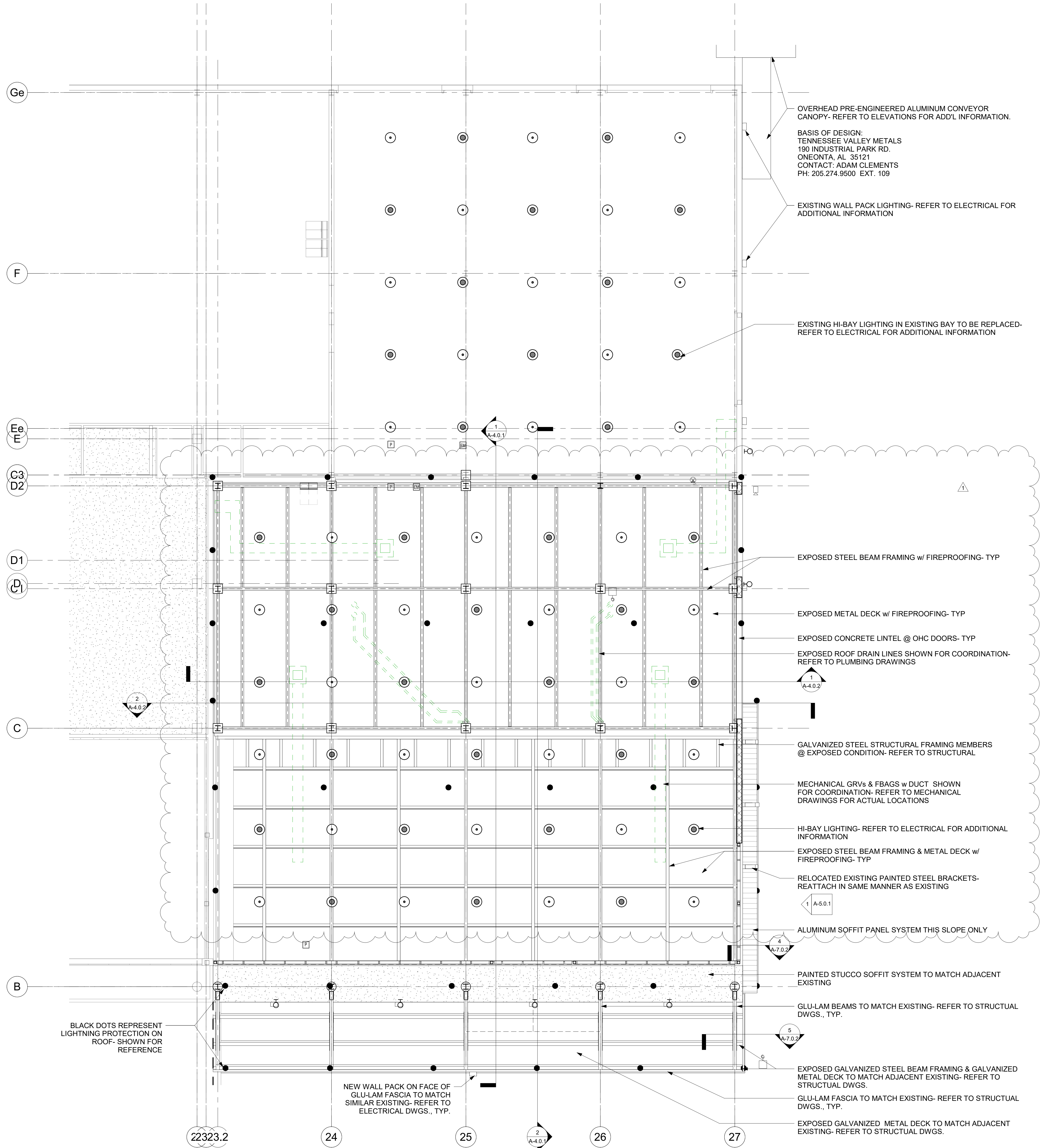
DRAWING TITLE

DOOR AND WINDOW ELEVATIONS

SHEET NUMBER

A-5.0.1

5/10/2022 5:25:30 PM BIM 360://210215 NWBIA - Baggage Makeup Expansion - Task #1 (2021)1210215 - Panama City Airport NWBIA_TASK_1_021.rvt



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



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PROJECT TITLE

PANAMA CITY AIRPORT NWBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

5.10.2022

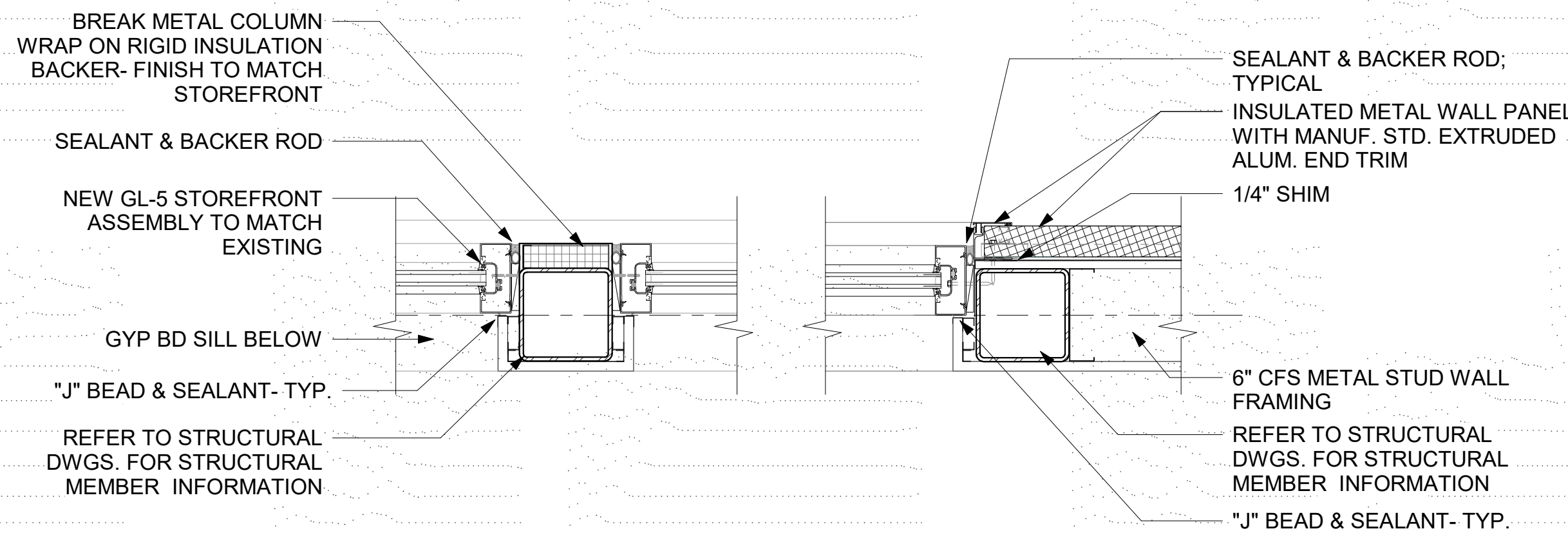
DRAWING TITLE

REFLECTED CEILING PLAN

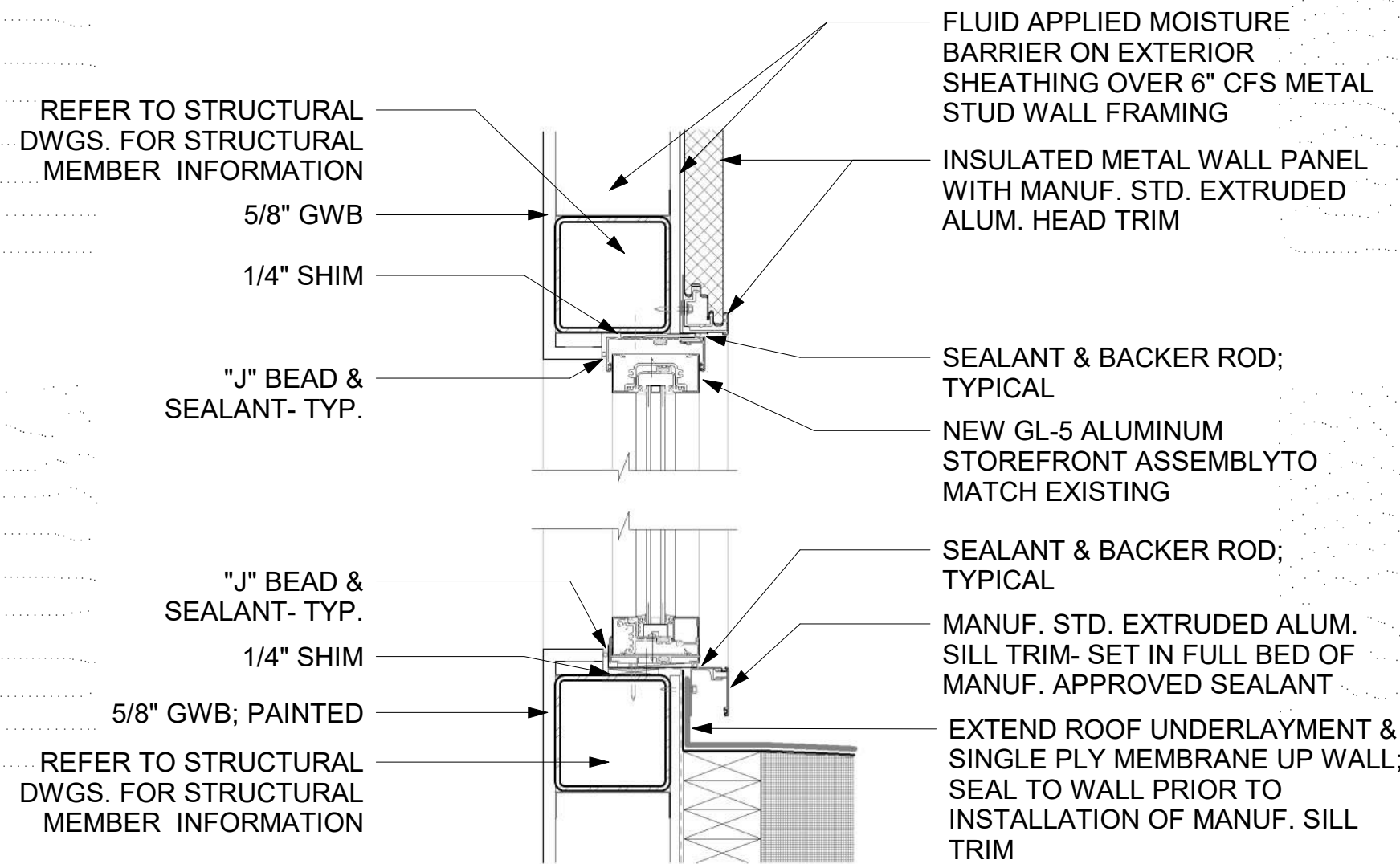
SHEET NUMBER

A-6.0.1

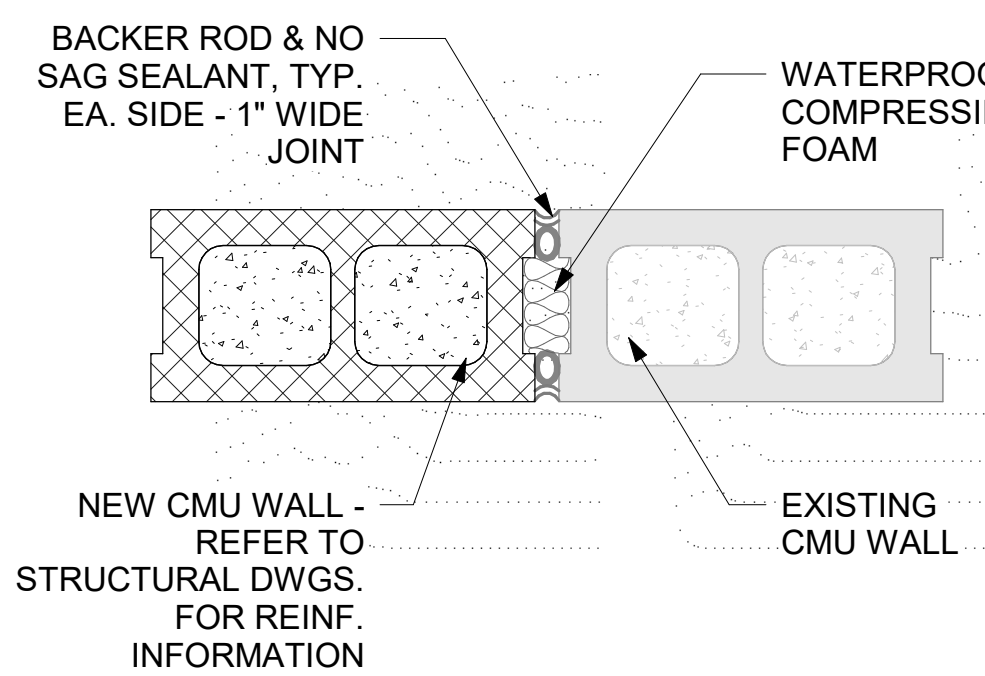
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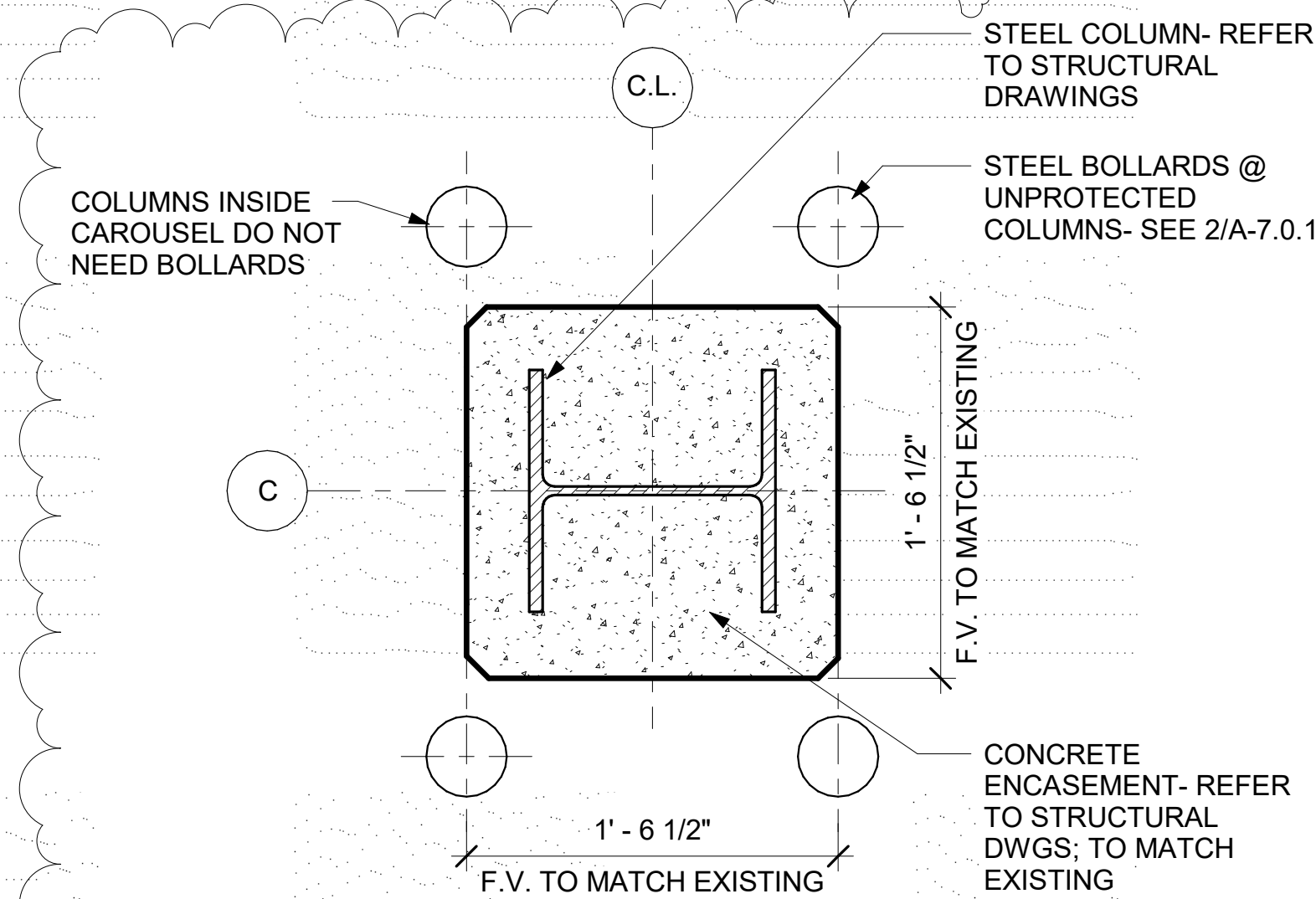
10 UPPER STOREFRONT HSJ DETAILS
1 1/2" = 1'-0"



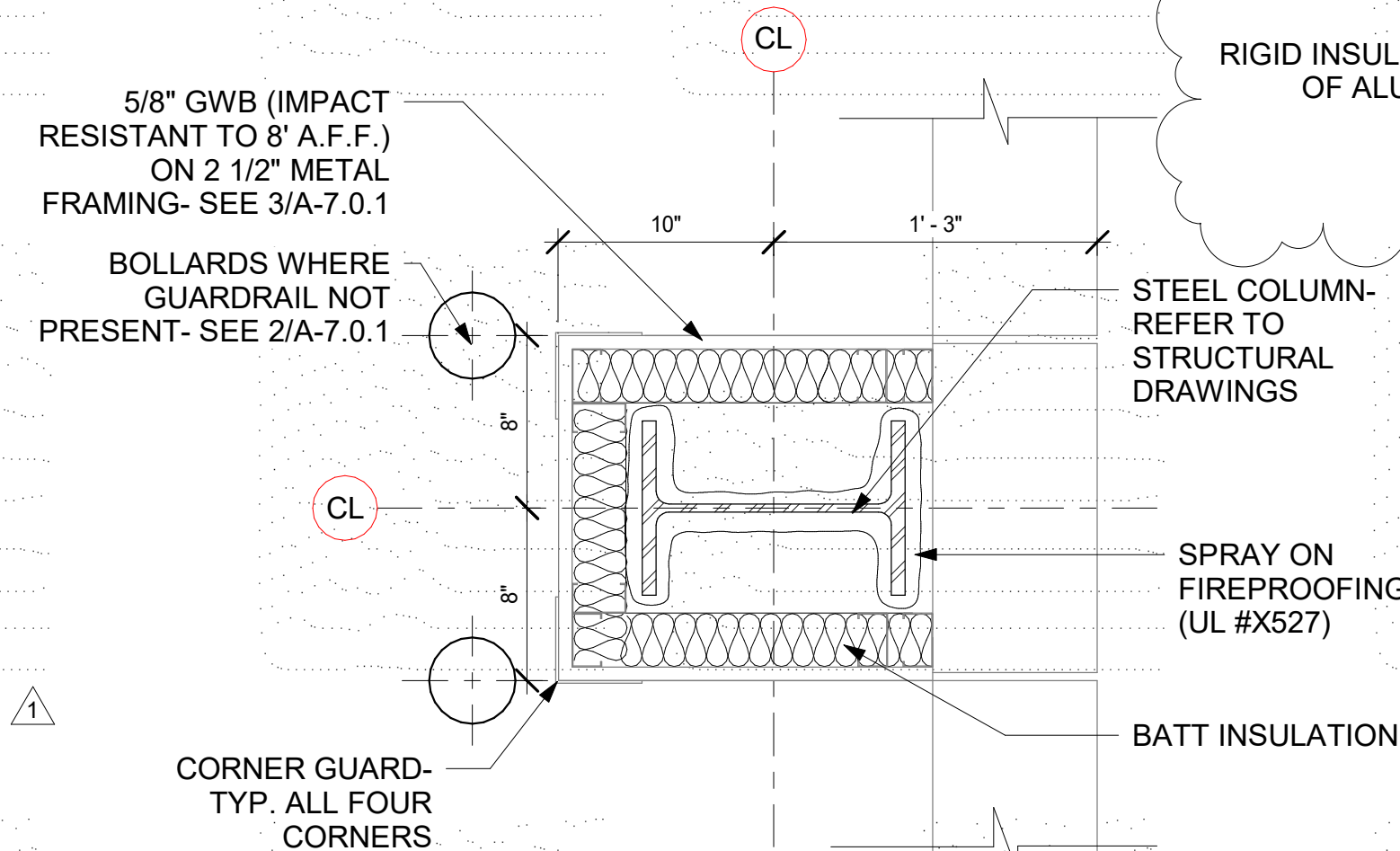
9 High Wall Section - Callout 1
1 1/2" = 1'-0"



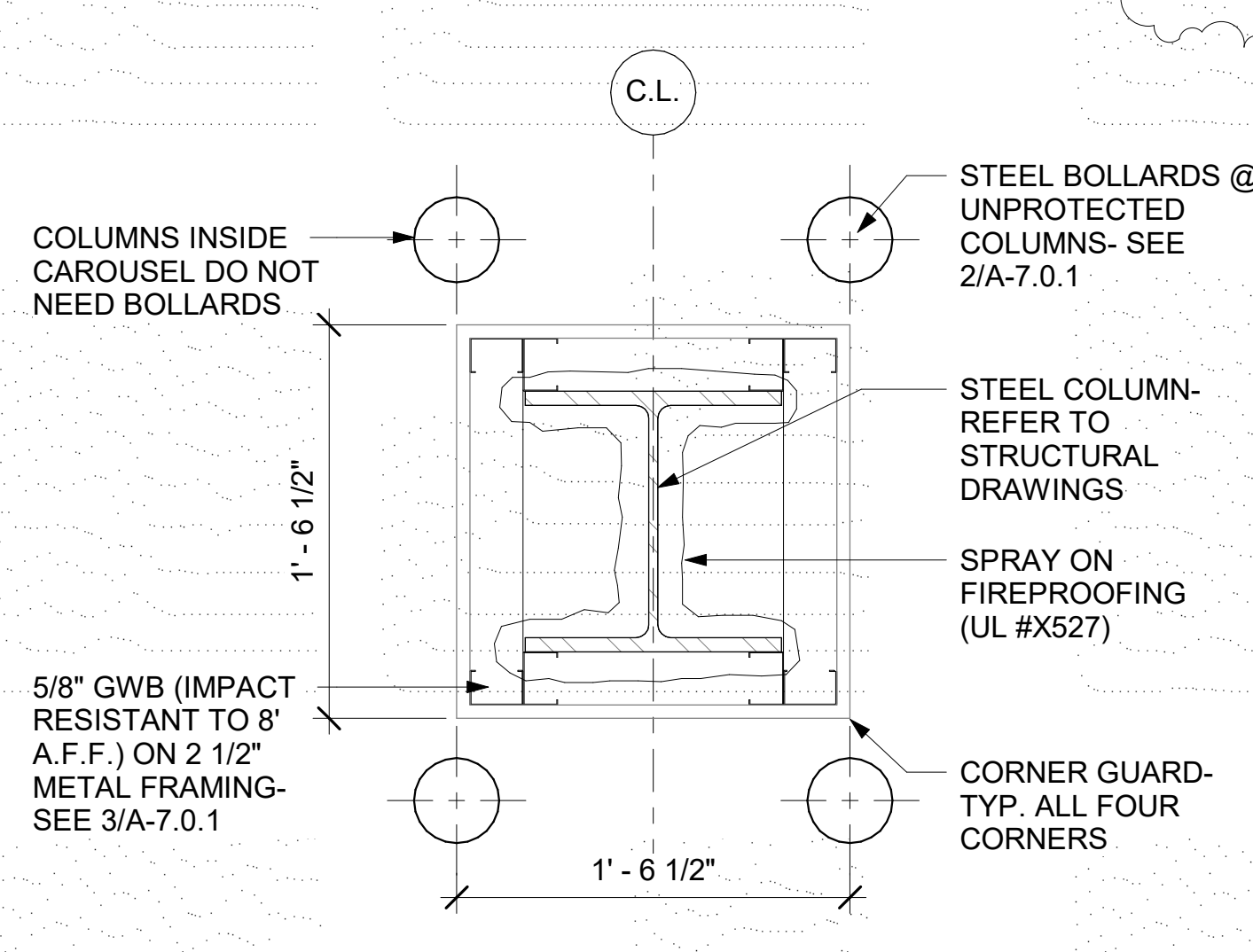
11 CMU EXPANSION JOINT
1 1/2" = 1'-0"



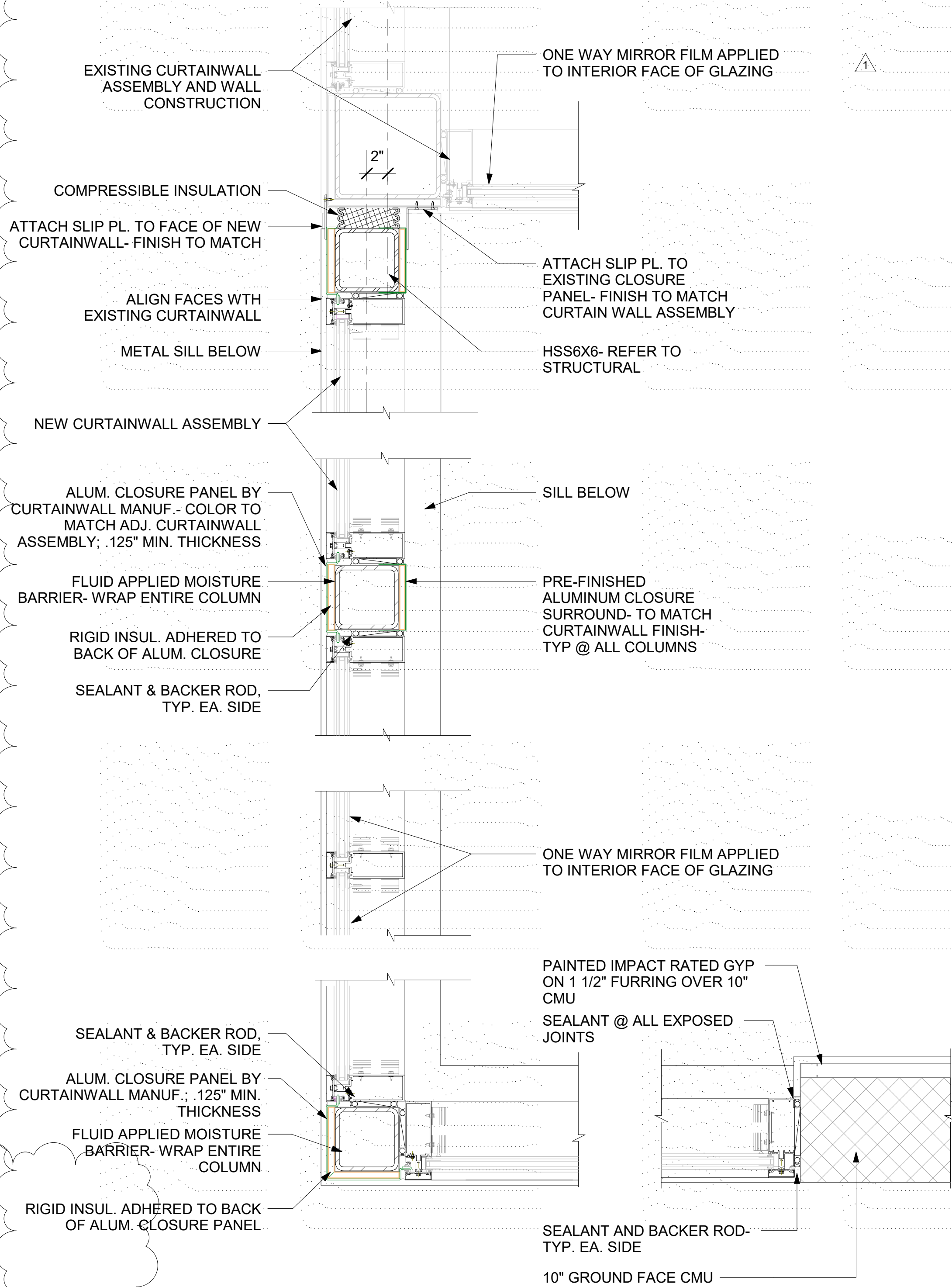
4 CONCRETE ENCASED COLUMN
1 1/2" = 1'-0"



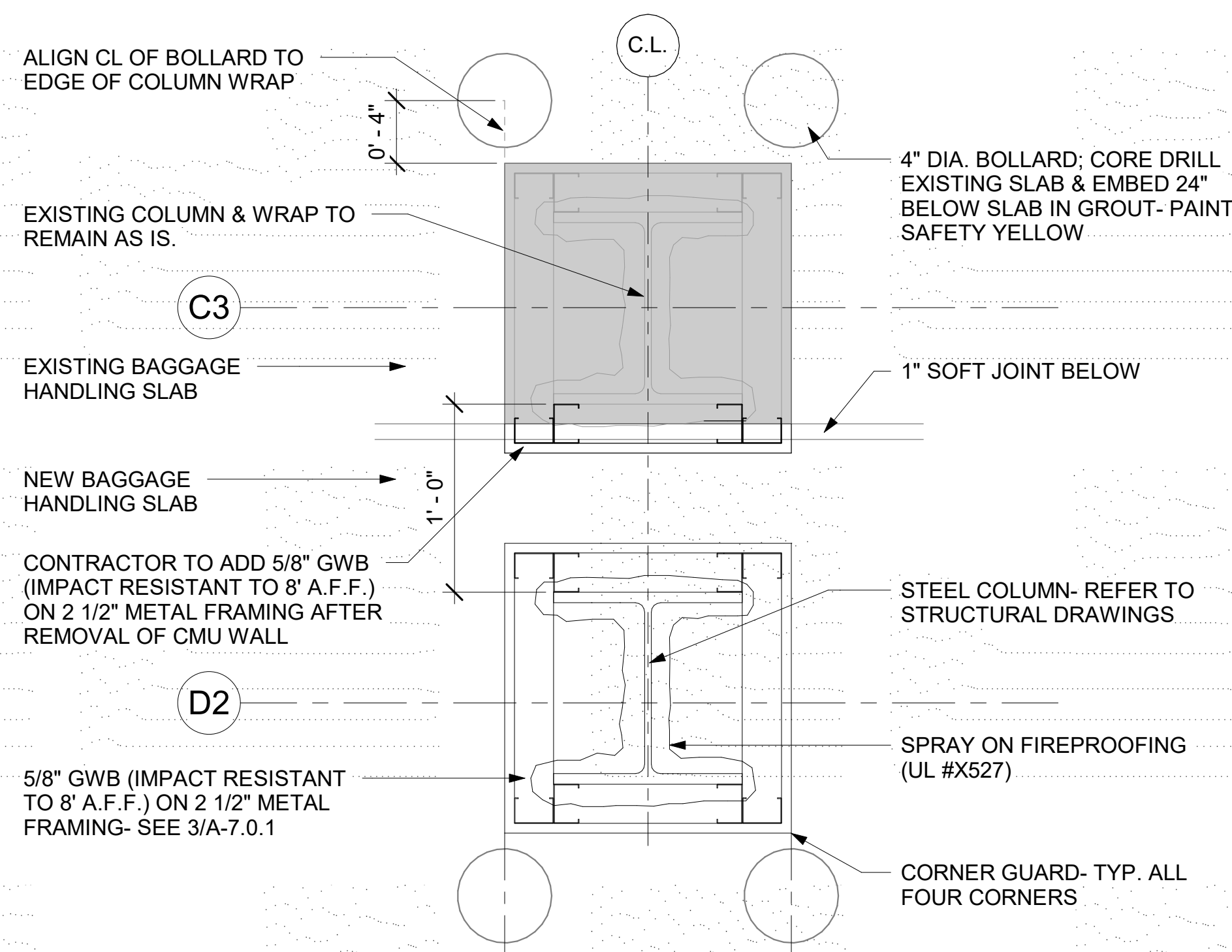
8 COLUMN AT PERIMETER WALL
1 1/2" = 1'-0"



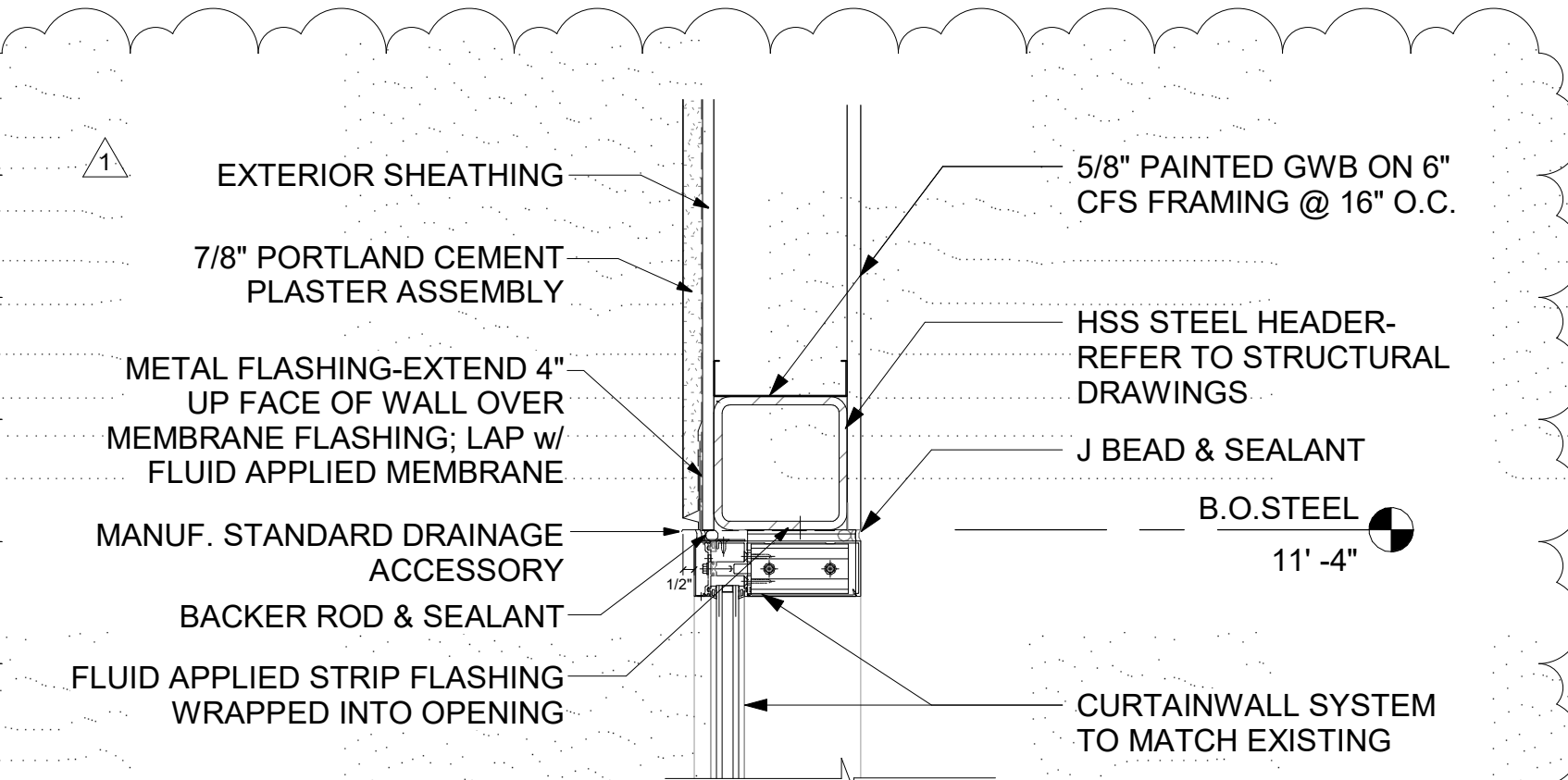
3 COLUMN w/ FRAMED WRAP
1 1/2" = 1'-0"



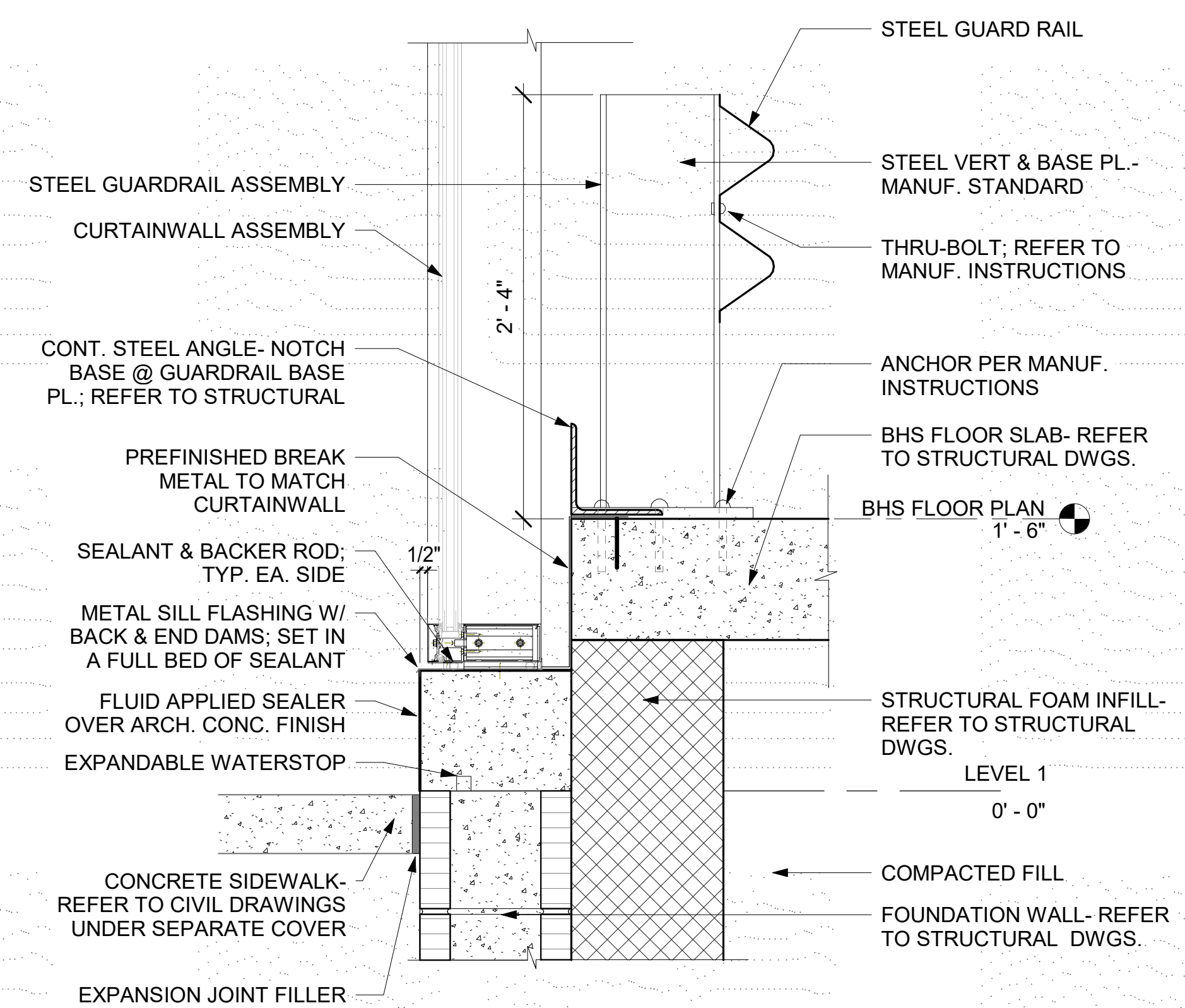
7 CURTAIN WALL DETAILS- PLAN VIEW
1 1/2" = 1'-0"



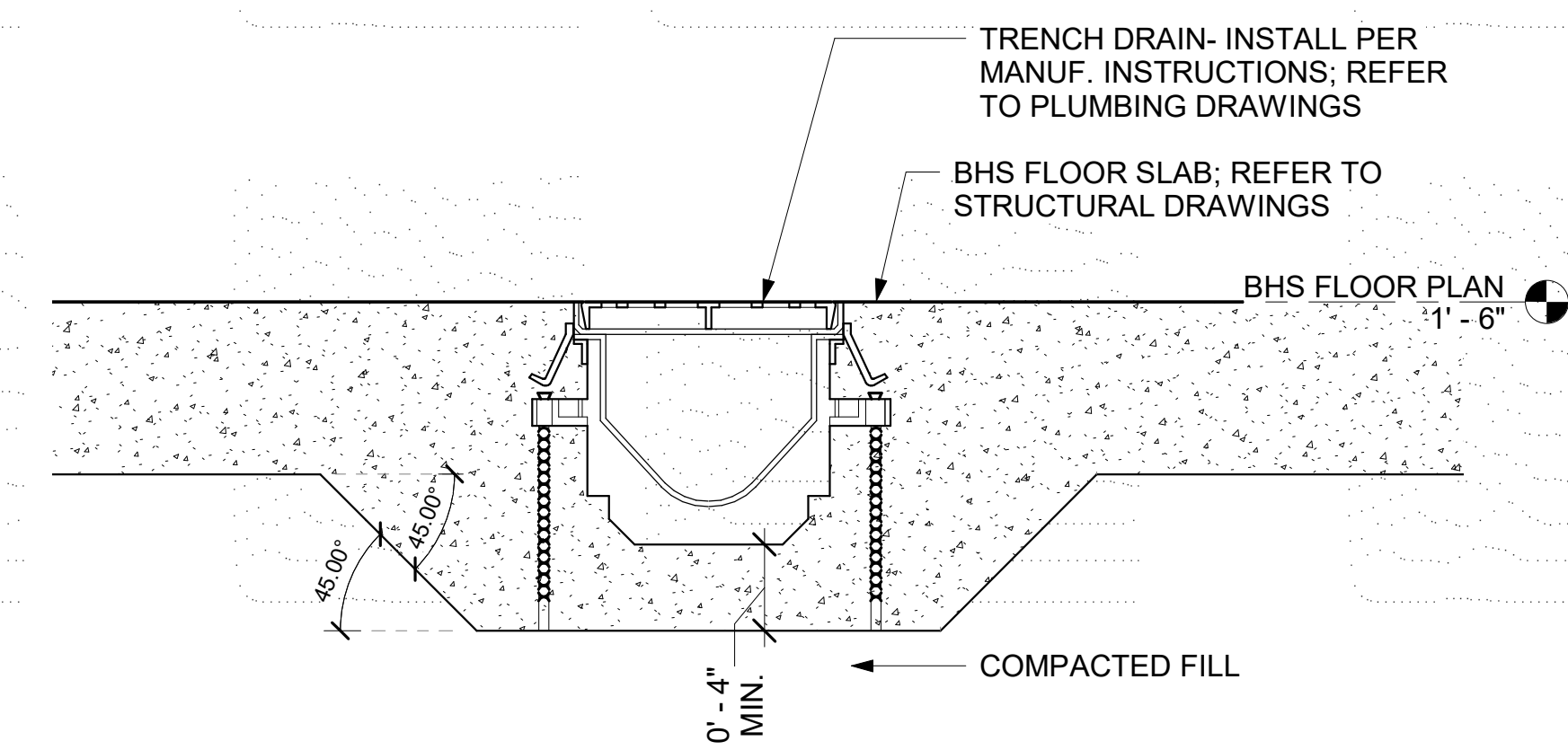
2 EXISTING COL./ NEW COL.
1 1/2" = 1'-0"



6 Low Curtainwall Head
1 1/2" = 1'-0"



5 Low Curtainwall Sill
1 1/2" = 1'-0"



1 TRENCH DRAIN DETAIL
1 1/2" = 1'-0"

NOTE: CONSTRUCTION TO ALIGN WITH AND MATCH ADJACENT EXISTING CONSTRUCTION, TYPICAL



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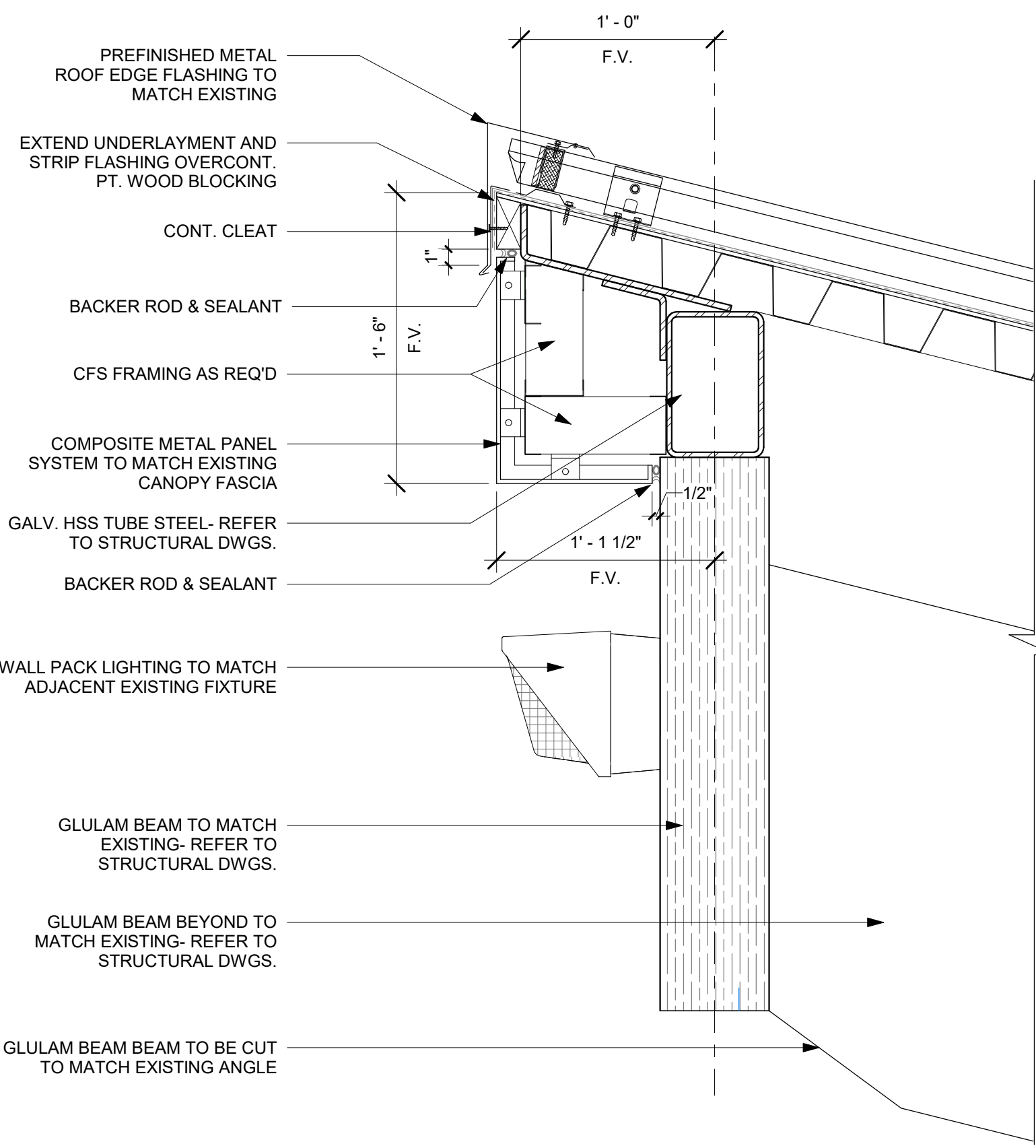
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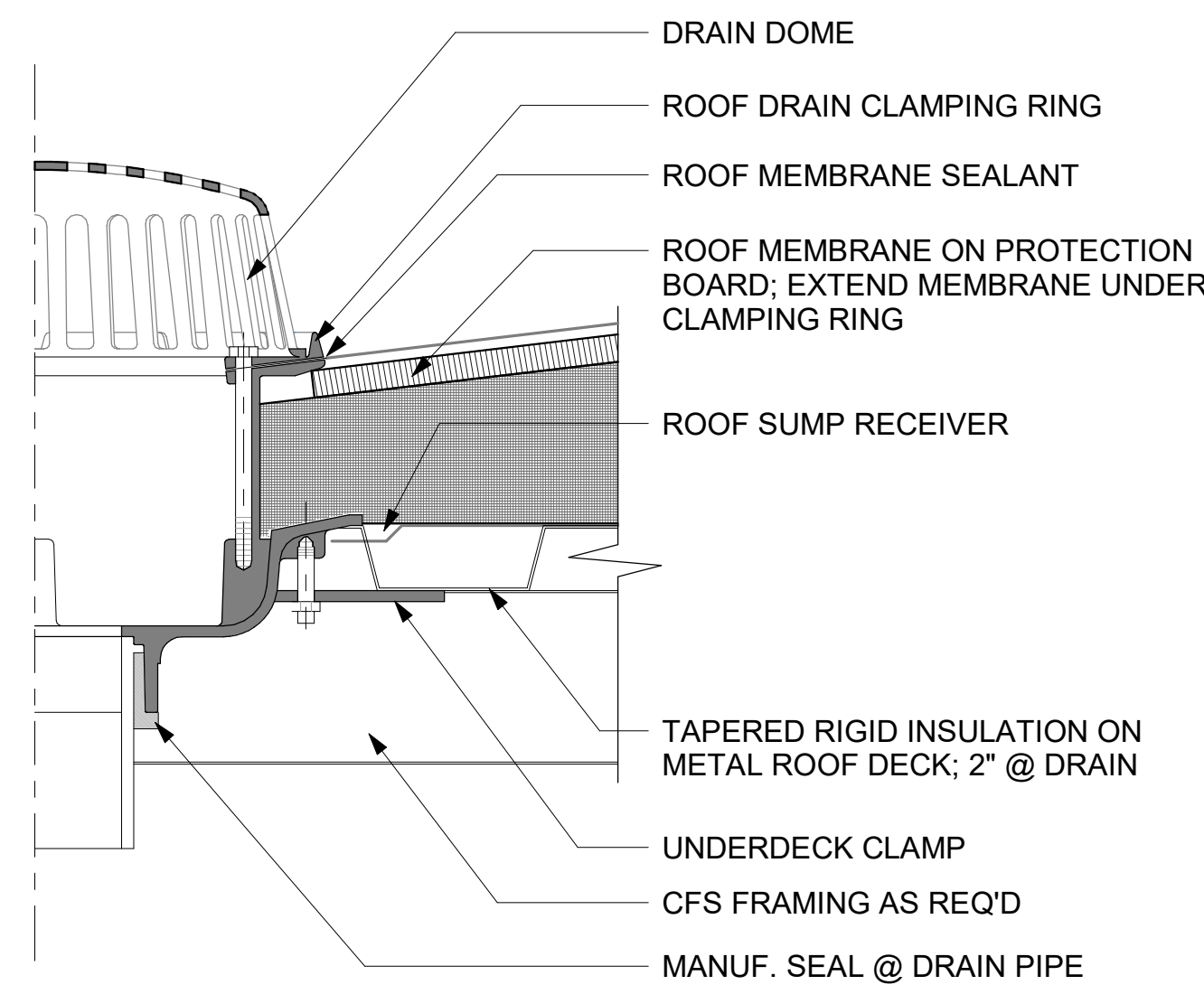
ARCHITECTS



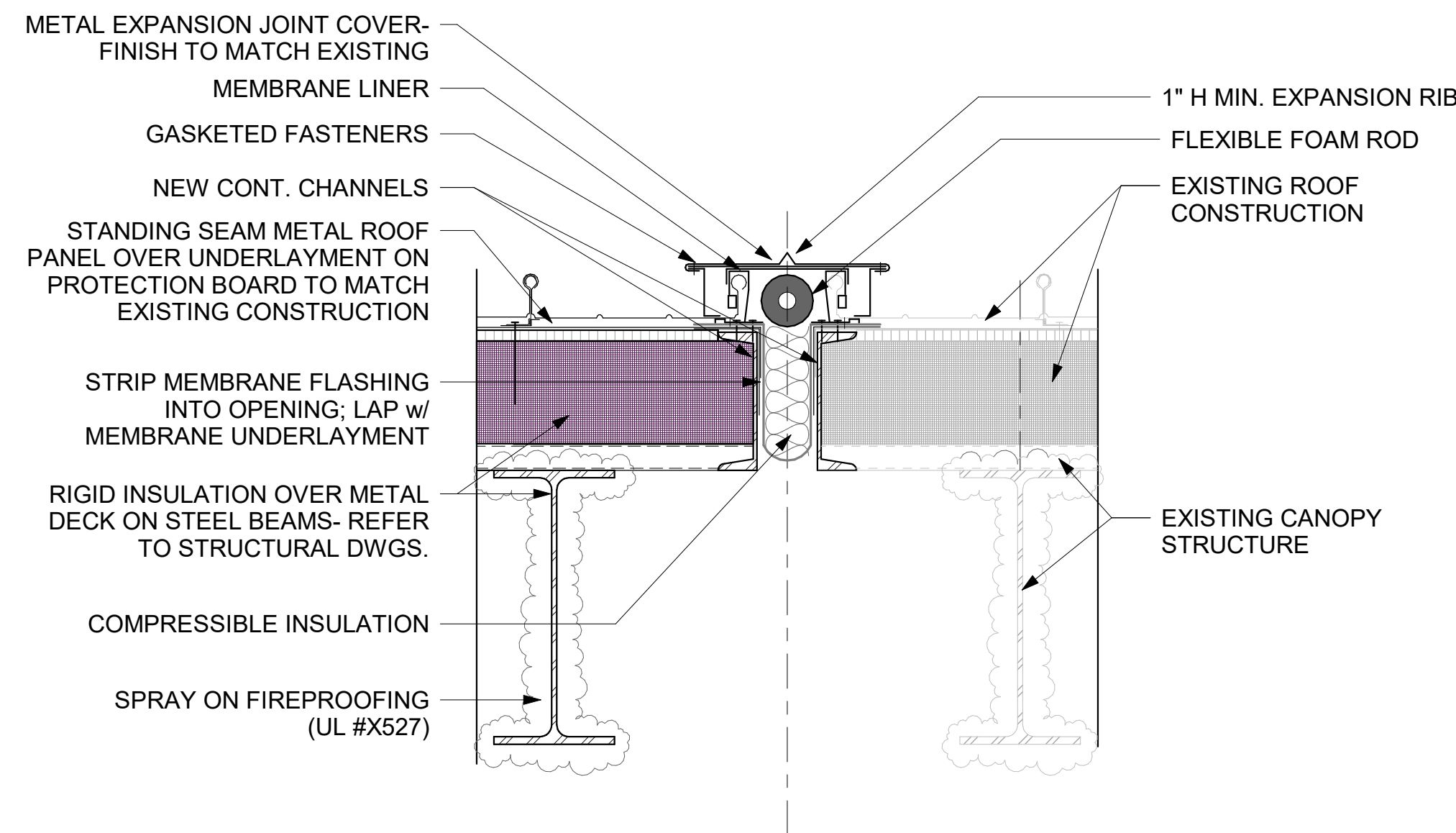
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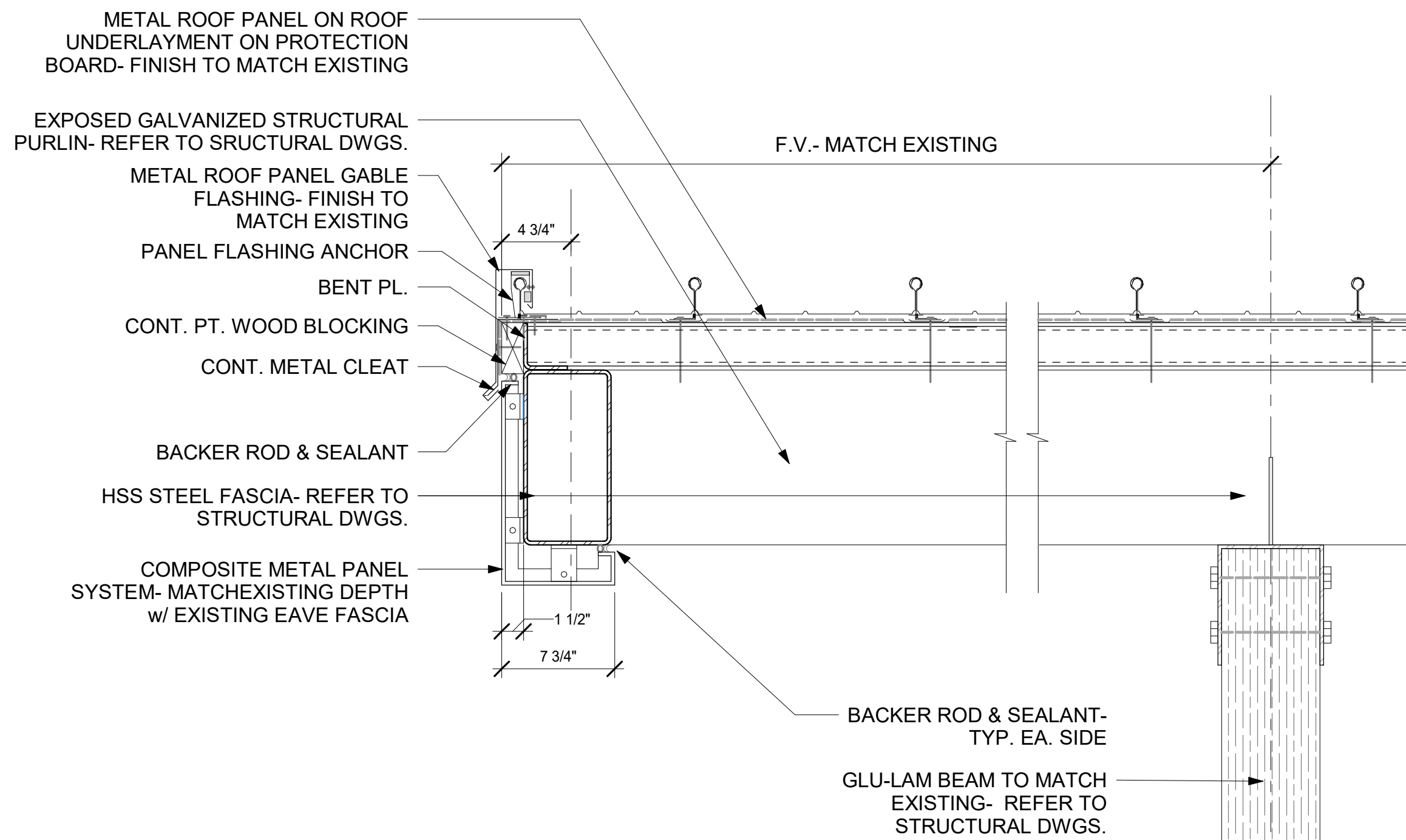
7 CANOPY FASCIA DETAIL
1 1/2" = 1'-0"



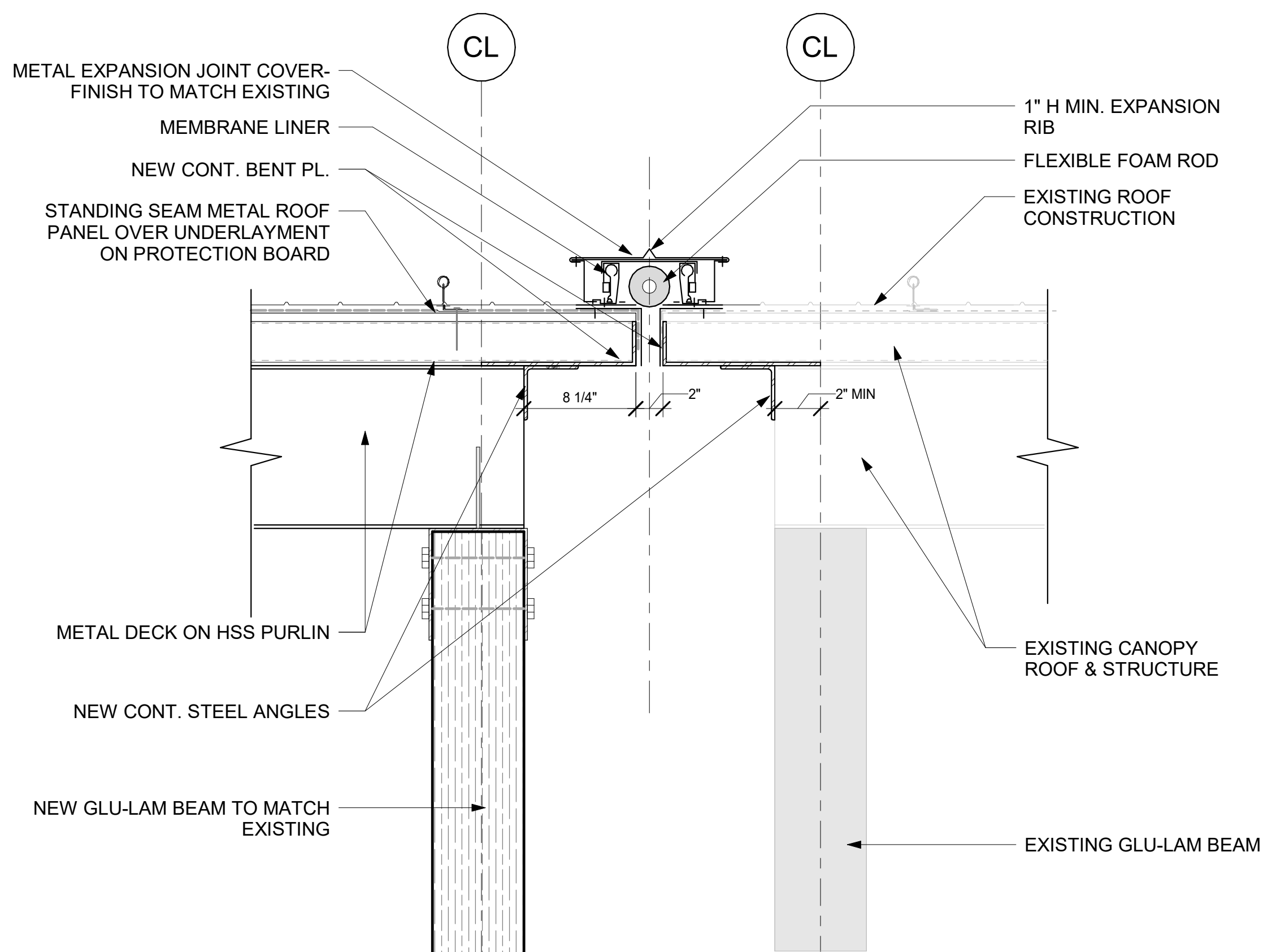
6 ROOF DRAIN DETAIL
3" = 1'-0"



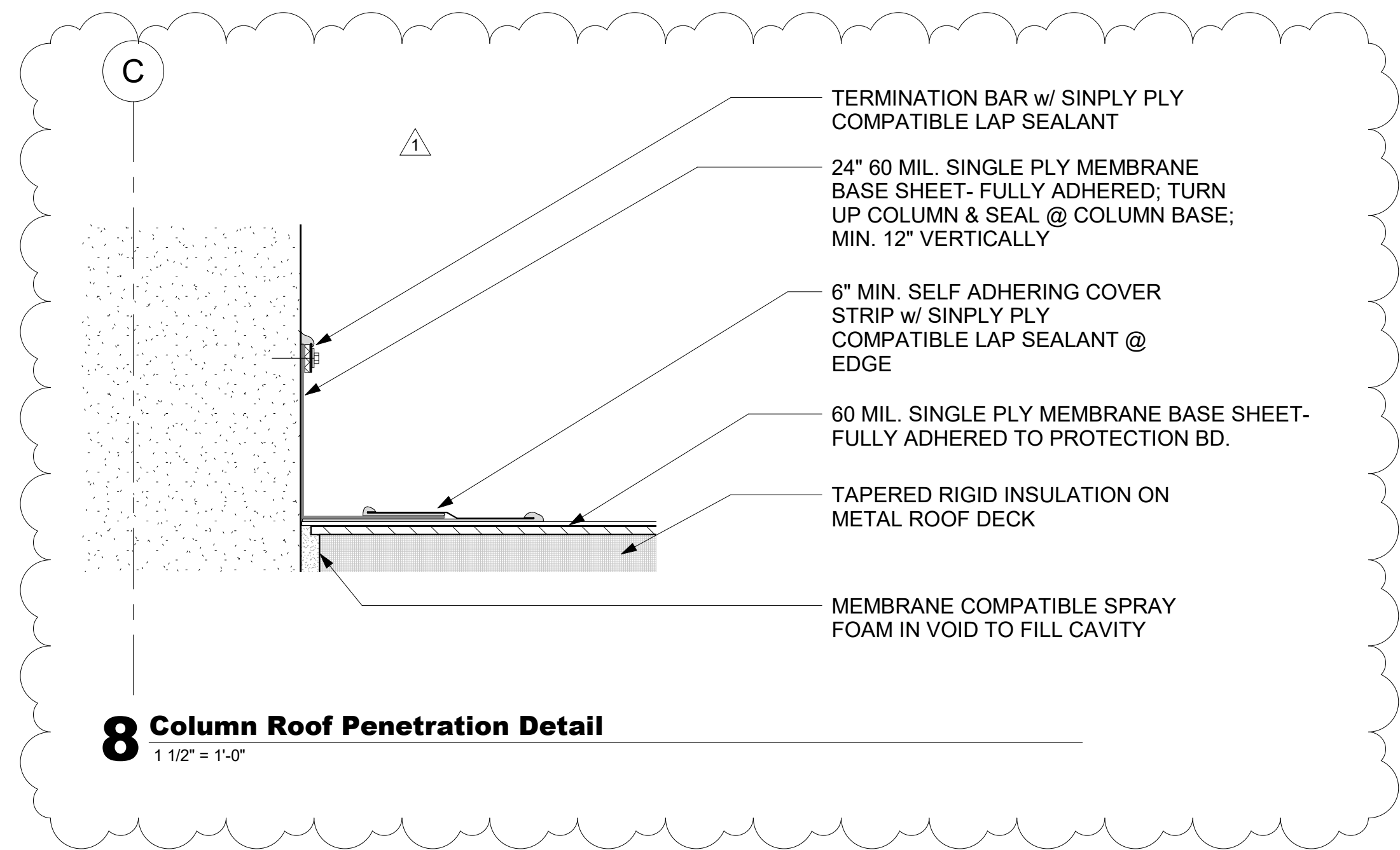
3 HIGH ROOF EXPANSION JOINT
1 1/2" = 1'-0"



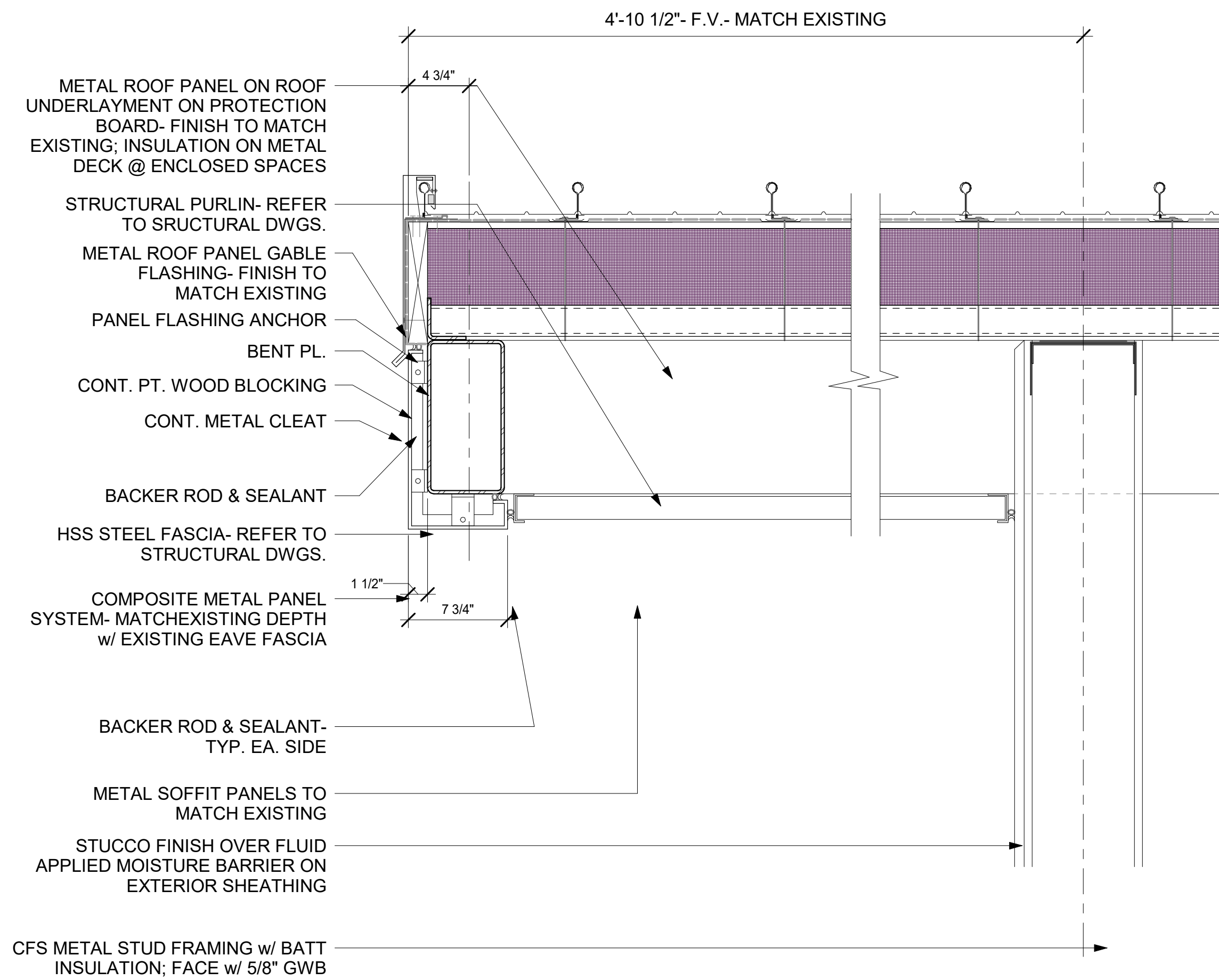
5 CANOPY OVERHANG DETAIL
1 1/2" = 1'-0"



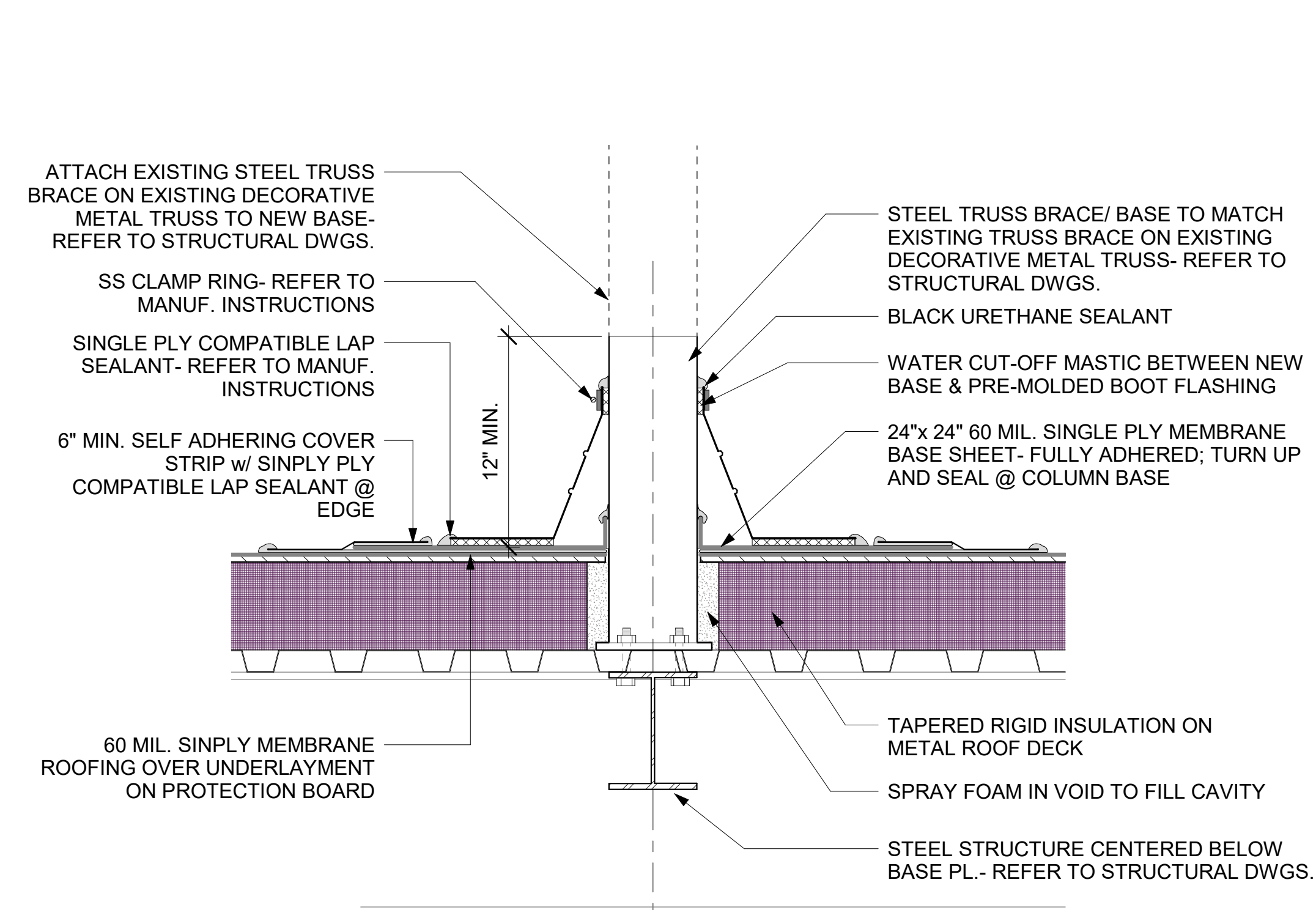
2 CANOPY ROOF EXPANSION JOINT
1 1/2" = 1'-0"



8 Column Roof Penetration Detail
1 1/2" = 1'-0"



4 SOFFIT DETAIL @ STUD WALL
1 1/2" = 1'-0"



1 COLUMN BASE ROOF PENETRATION DETAIL
1 1/2" = 1'-0"



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INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER
NO. 210211
ISSUE DATE
5.10.2022

ROOF DETAILS

SHEET NUMBER

A-7.0.2

GENERAL NOTES

- UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS: BAY COUNTY, FAA, AND FDOT.
- NOT USED.
- NOT USED.
- ALL QUALITY CONTROL TESTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN THE SPECIFICATIONS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL QUALITY CONTROL TESTING REQUIRED IN THE CONTRACT SPECIFICATIONS. THE ENGINEER RESERVES THE RIGHT TO CONDUCT QUALITY ACCEPTANCE TESTING TO CHECK THE CONTRACTOR'S TEST RESULTS.
- THE CONTRACTOR SHALL PREPARE A WRITTEN QUALITY CONTROL / QUALITY ACCEPTANCE PLAN THAT DESCRIBES THE CONTRACTOR QUALITY CONTROL PROGRAM AND THE CONTRACTOR'S QUALITY ACCEPTANCE TESTING REQUIREMENTS. THIS WRITTEN PLAN MUST BE SUBMITTED PRIOR TO ISSUANCE OF THE NOTICE-TO-PROCEED.
- THE PROJECT PAY ITEMS ARE PROVIDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL WORK NOT IDENTIFIED UNDER A SPECIFIC PAY ITEM SHALL BE CONSIDERED REQUIRED AND IS INCIDENTAL TO THE COST OF THE PROJECT PAY ITEMS PROVIDED.
- CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING, SIDEWALKS, PAVEMENTS, CURBS, SEEDING, AND SOD NOT SPECIFIED FOR REMOVAL IN THESE PLANS. ANY DAMAGE TO THE EXISTING IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS OTHERWISE SPECIFIED HEREIN.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUB-SURFACE CONDITIONS, THE WORK REQUIRED AND ALL OTHER CONDITIONS THAT MAY AFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, WATER, SEWER, GAS, ELECTRICAL, AND TELEPHONE FACILITIES SUCH AS PAVEMENTS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
- UNLESS OTHERWISE SPECIFIED IN THE GENERAL CONDITIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, SPECIFICATIONS, LAWS AND ORDINANCES TO INCLUDE BUT NOT LIMITED TO THE FAA, THE FDOT, THE FLORIDA BUILDING CODE, AND THE BAY COUNTY CODES.
- PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRAFFIC CONTROL PLAN CONSISTENT WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- PRIOR TO PERFORMING ANY WORK WITHIN ANY UTILITY RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN AUTHORIZATION AND PERMIT FROM JURISDICTION RESPONSIBLE FOR SUCH RIGHT-OF-WAY.
- IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT BENCH MARKS AND PROPERTY CORNERS. IN THE EVENT THE MONUMENTS, POINTS OR MARKERS ARE DISTURBED THE CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE THEM. CERTIFICATION OF THE RESET OR REPLACEMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK WHEREVER AND WHENEVER IT IS IN PREPARATION OR PROGRESS; AND THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND FOR THE INSPECTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS OR USE UNTIL SUCH TIME THAT THE OWNER TAKES WRITTEN OWNERSHIP OF THE COMPLETED PROJECT. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
- CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY THE MANUFACTURER.
- PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORMWATER PONDS, CANALS) CONTRACTOR SHALL INSTALL FENCES AND TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO ENSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:
 - ALL EMPLOYEES ON THE WORK SITE AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;
 - ALL WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS;
 - ANY OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS ON MAIN AIRPORT ENTRANCE ACCESS ROAD, ON GENERAL AVIATION ACCESS ROAD, AND ON THE AIRSIDE AIRPORT ACCESS ROAD AT ALL TIMES.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI-PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
- ALL DAMAGE OR LOSS TO ANY PROPERTY REFERRED TO IN CLAUSES 22.1 AND 22.3 CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART, TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
- UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURIES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
- THOSE PARTS OF WORK IN PLACE WHICH ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- ADEQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE CONVEYING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTERS ONTO OR CROSSES TRAFFIC-CARRYING ROADS.
- THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
- THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION. ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.

- ALL WORK PERFORMED UNDER THE CONTRACT, AND ALL EQUIPMENT, APPLIANCES, TOOLS AND LIKE ITEMS USED IN THE WORK SHALL CONFORM TO APPLICABLE SAFETY CODES AND REGULATIONS OF ANY PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION. IN THE EVENT OF CONFLICTING REQUIREMENTS, THE MORE STRINGENT INTERPRETATION OR REGULATION SHALL GOVERN.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT AN EROSION CONTROL PLAN TO MINIMIZE EROSION AND ENSURE FUNCTIONING OF STORMWATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION. EROSION CONTROL PLAN SHALL INCLUDE PROVISIONS TO STABILIZE DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE DISTURBANCE WITH A WRITTEN LOG OF THE EVENTS. CONTRACTOR SHALL SUBMIT EROSION CONTROL PLAN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED PARAGRAPH 40.) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.
- CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE, IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
- CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING AND HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS OF THIS PARAGRAPH.
- CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEAN-UP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THIS ARTICLE.
- SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF REGULATIONS, CONTRACTOR SHALL IMMEDIATELY SO INFORM OWNER IN WRITING.
- IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY. IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ANY PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO OWNER IN WRITING.
- IF CONTRACTOR OR ITS SUBCONTRACTORS DO NOT COMPLY WITH FEDERAL AND STATE REQUIREMENTS, OWNER MAY, BUT IS NOT OBLIGATED TO, GIVE WRITTEN NOTICE OF VIOLATION TO CONTRACTOR. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS FAIL TO COMPLY WITH THE REQUIREMENTS WITHIN TWENTY-FOUR (24) HOURS FROM THE TIME OWNER ISSUES SUCH WRITTEN NOTICE OF NONCOMPLIANCE OR WITHIN THE TIME OF AN ABATEMENT PERIOD SPECIFIED BY ANY GOVERNMENTAL AGENCY, WHICHEVER PERIOD IS SHORTER, CONTRACTOR SHALL BE IN MATERIAL DEFAULT OF THIS CONTRACT.
- "HAZARDOUS MATERIAL" MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
- THE EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- IF ANY TESTING, INSPECTION OR APPROVAL REVEAL DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ENTITLED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR OWNER AUTHORIZED REPRESENTATIVE, DESIGN ENGINEER'S SERVICES, FIELD REPRESENTATIVE SERVICES, AND OTHER RELATED COSTS.
- ENGINEER SHALL REVIEW RED LINE (AS-BUILT) DRAWINGS MONTHLY AT ALTERNATE BI-WEEKLY JOB COORDINATION MEETINGS. THE DRAWINGS CAN BE PROVIDED BY THE OWNER'S AUTHORIZED REPRESENTATIVE OR THE CONTRACTOR. NO PERIODIC PAY REQUESTS WILL BE PROCESSED UNTIL THIS PROVISION IS MET.
- TYPE AND HEIGHT (NOT-TO-EXCEED) OF CONSTRUCTION EQUIPMENT:
TRUCKS (DUMP, FLATBED, PANEL, PICKUP, CONCRETE) – 35 FEET
FRONT END LOADERS – 35 FEET
DOZERS – 35 FEET
CRANE – 50 FEET
ROLLERS AND COMPACTORS – 35 FEET

*NOTE – CONSTRUCTION EQUIPMENT LOCATIONS SHALL NOT VIOLATE RUNWAY 7 TO 1 TRANSITIONAL SURFACES AND RUNWAY APPROACH ZONE HEIGHT LIMITATIONS PER SAFETY DURING CONSTRUCTION PLAN EXCEPT UNDER SPECIAL WAIVER CONDITIONS. APPROPRIATE WAIVERS MUST BE OBTAINED BY THE OWNER FROM FAA.
- THE FOLLOWING FAA ADVISORY CIRCULARS SHALL APPLY TO THIS PROJECT, CURRENT EDITION:
AC 150/5300-13A-CHANGE 1 AIRPORT DESIGN
AC 150/5340-18F STANDARDS FOR AIRPORT SIGN SYSTEMS
AC 150/5340-30J DESIGN AND INSTALLATION DETAILS FOR VISUAL AIDS
AC 150/5370-10H STANDARDS FOR SPECIFYING CONSTRUCTION OF AIRPORTS
AC 150/5345-44K SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS
AC 150/5340-1L STANDARD FOR AIRPORT MARKINGS
AC 150/5345-46E SPECIFICATION FOR RUNWAY AND TAXIWAY LIGHT FIXTURES
- CONTRACTOR SHALL ABIDE BY FEDERAL BUY AMERICAN REQUIREMENTS.

PERMITS:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS IN REGARD TO NOISE CONTROL, EROSION CONTROL, DUST CONTROL, WATERSHED, EMISSIONS, AND OPEN-FIRE BURNING DURING CONSTRUCTION WHICH PERTAIN TO CONSTRUCTION ACTIVITIES. COPIES OF ALL PERMITS SHALL BE SUBMITTED TO THE ENGINEER FOR THEIR RECORDS.
- AS REQUIRED UNDER ACT OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. A COPY OF THE NOI AND SWPPP SHALL BE SUBMITTED TO THE ENGINEER FOR THEIR RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE SWPPP CURRENT UNTIL PROJECT COMPLETION AND FINAL ACCEPTANCE OF THE WORK.

ITEM NO.	BID ITEM	ITEM DESCRIPTION	UNIT	QUANTITY
1	101-1	MOBILIZATION	LS	1
2	102-1	MAINTENANCE OF TRAFFIC	LS	1
3	104-1	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1
4	110-1	CLEARING AND GRUBBING	LS	1
5	110-2	MISCELLANEOUS DEMOLITION	LS	1
6	110-3	1" ASPHALT MILLING	SY	280
7	120-1	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	625
8	160-1	12" STABILIZED SUBBASE	SY	210
9	285-1	8" LIMEROCK BASE COURSE	SY	200
10	334-1	2.5" SUPERPAVE ASPHALTIC CONCRETE	TON	35
11	334-2	1" SUPERPAVE ASPHALTIC CONCRETE OVERLAY	TON	30
12	425-1	FDOT TYPE "P" ALT. B BOTTOM W/ SOLID GRATE	EA	1
13	425-2	FDOT TYPE "C" DBI	EA	2
14	425-3	FDOT TYPE "F" DBI	EA	1
15	430-1	6" ADS, N-12 PIPE	LF	50
16	430-2	18" ADS, N-12 PIPE	LF	165
17	620-1	F-CURB	LF	150
18	620-2	E-CURB	LF	75
19	922-1	CONCRETE SIDEWALK (6")	SY	540
20	550-1	FENCE IMPROVEMENTS	LF	90
21	670-1	SODDING	SY	500
22	710-1	PAVEMENT MARKINGS	LS	1



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FITZGERALD COLLABORATIVE GROUP, LLC.
AAZ6001957



KEYWORD	NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022	

PERMIT
DOCUMENTS

CLIENT

NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND
BAGGAGE
EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

SHEET NUMBER

NO. 210211

ISSUE DATE

05.10.2022

DRAWING TITLE

GENERAL
NOTES &
SUMMARY OF
QUANTITIES

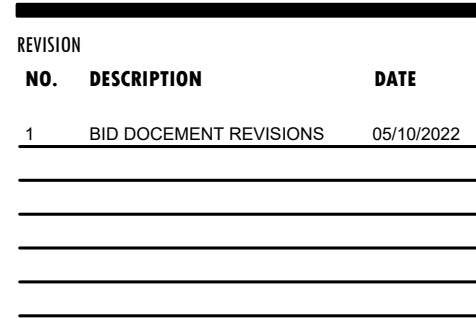
SHEET NUMBER

C-1



ATLANTA
1201 W. PEACHTREE ST, SUITE 630
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FITZGERALD COLLABORATIVE GROUP, LLC
AA26001957



**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**

**PANAMA CITY AIRPORT NWEBIA**

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER:

NO. 21021

ISSUE DATE

05.10.2022

DRAWING TITLE

SHEET NUMBER:

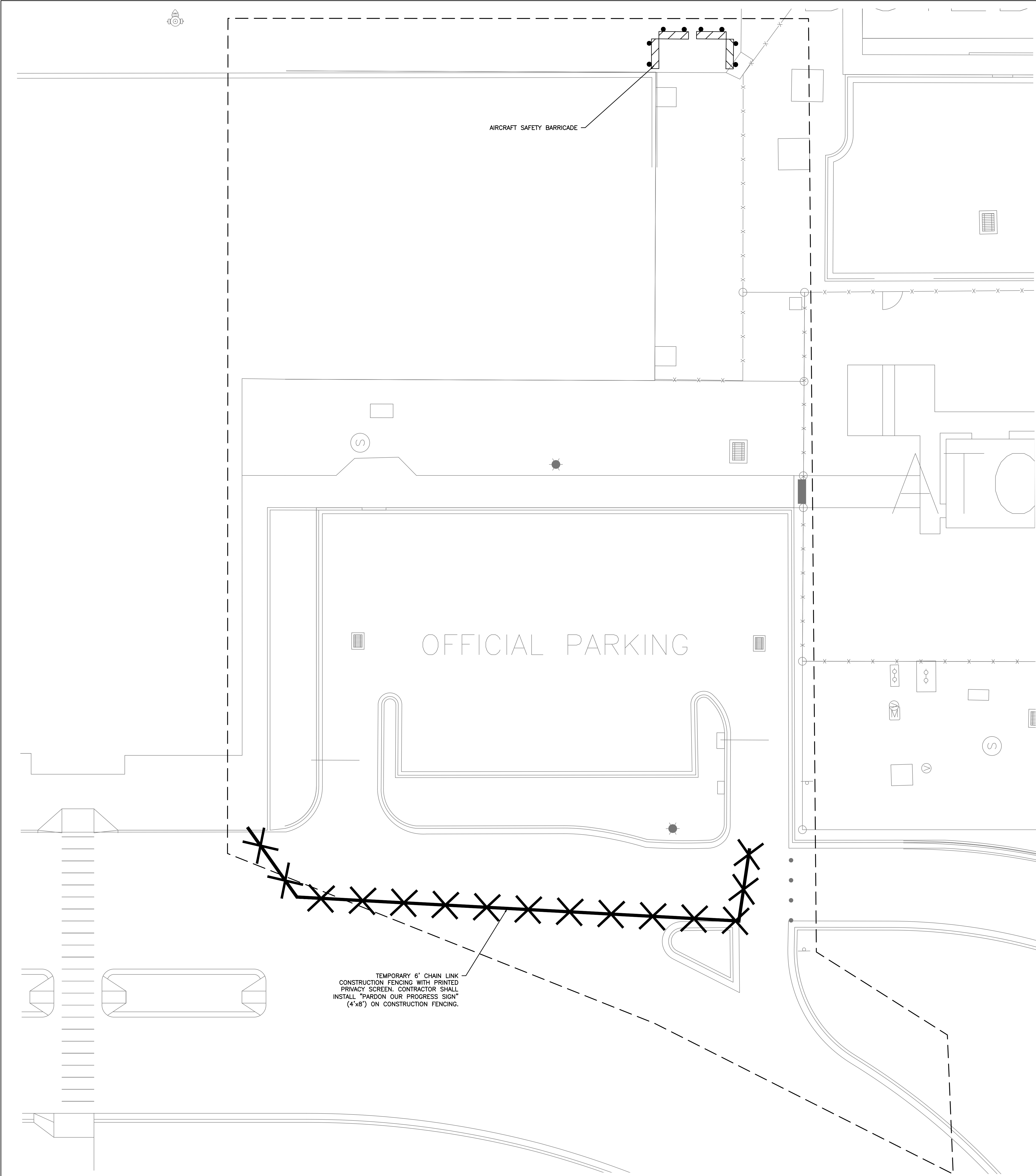
C-2

1. GENERAL - THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED IN THE CONTRACT MANUAL. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE FIELD REPRESENTATIVE, THE NAME OF THE "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.

2. CONSTRUCTION SECURITY COMMITTEE – A COMMITTEE SHALL BE ESTABLISHED CONCURRENT WITH THE LIFE OF THIS CONTRACT TO MONITOR AND COORDINATE SECURITY PROVISIONS, ADOPT NEW SECURITY PROVISIONS IF REQUIRED AND REVIEW AND APPROVE ALL MATTERS OF AIRPORT SECURITY RELATING TO THIS CONTRACT. MEETINGS SHALL BE SCHEDULED BY THE FIELD REPRESENTATIVE. COMMITTEE MEMBERSHIP SHALL INCLUDE THE CONTRACTOR SECURITY OFFICER, FIELD REPRESENTATIVE AND AIRPORT OPERATIONS.
3. CONTRACTOR PERSONNEL SECURITY ORIENTATION – THE CONTRACTOR SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND, FROM TIME TO TIME, OTHER SECURITY PROVISIONS ADOPTED BY THE CONSTRUCTION SECURITY COMMITTEE. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
4. ACCESS TO THE SITE – CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE FIELD REPRESENTATIVE. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND ANY OTHER ACCESS TO THE CONSTRUCTION AREA ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG ANY ACCESS ROAD AS A RESULT OF THE CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNING AT THE ACCESS GATE AND ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL NOT BE PERMITTED.
5. MATERIALS DELIVERY TO THE SITE – ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE WILL USE THE ACCESS POINT AT THE CONTRACTOR'S STAGING AREA AS A DELIVERY ADDRESS AT THE AIRPORT. ALL ASSOCIATED COSTS SHALL BE INCIDENTAL TO VARIOUS OTHER BID ITEMS.
6. CONSTRUCTION AREA LIMITS – THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE FIELD REPRESENTATIVE. THE CONTRACTOR SHALL ERECT AND MAINTAIN SUITABLE FENCING, SIGNAGE AND WARNING DEVICES VISIBLE FOR BOTH DAY/NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
7. VEHICLE IDENTIFICATION – THE CONTRACTOR, THROUGH THE CONTRACTOR SECURITY OFFICER, SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUBCONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE SITE. THE CONTRACTOR SECURITY OFFICER WILL REQUIRE EACH VEHICLE TO DISPLAY A LARGE COMPANY SIGN (WITH NOT LESS THAN 6" LETTERING) ON BOTH SIDES OF THE VEHICLE. THE CONTRACTOR SHALL PROVIDE A CURRENT LISTING OF VEHICLES AND COMPANIES AUTHORIZED TO ENTER AND CONDUCT WORK ON THE AIRPORT TO THE FIELD REPRESENTATIVE. CONTRACTOR'S EMPLOYEE PERSONAL VEHICLES SHALL BE RESTRICTED TO THE CONTRACTOR'S STAGING AREA OR CONTRACTOR'S EMPLOYEE PARKING AREA AND ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.
8. OPERATORS OF VEHICLES MUST POSSESS A VALID DRIVER'S LICENSE, FOR THE VEHICLE BEING OPERATED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EMPLOYEES DRIVING WITHIN THE AOA AND SHALL LIMIT EMPLOYEE ACCESS TO RUNWAY AND TAXIWAY OBJECT FREE AREAS TO THOSE WHOSE FUNCTIONS ARE ABSOLUTELY NECESSARY. DRIVERS SHALL MONITOR NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT GROUND CONTROL FREQUENCY AT ALL TIMES WHEN DRIVING WITHIN ANY RUNWAY OR TAXIWAY OBJECT FREE AREA, AND SHALL BE PREPARED TO LEAVE THE AREA IMMEDIATELY IF NECESSARY.
9. ALL ACCESS GATES SHALL REMAIN LOCKED OR MONITORED AT ALL TIMES. THE COST OF PROVIDING FLAGGER AND SECURITY GUARDS, IF NEEDED, SHALL BE INCIDENTAL AND INCLUDED IN THE VARIOUS CONTRACT ITEMS.

1. SAFETY GUIDELINES - IN THE INTEREST OF SAFETY, THE CONTRACTOR IS ALSO DIRECTED TO ACQUAINT HIS/HER EMPLOYEES WITH THE PROVISIONS OF THE FOLLOWING FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS, CURRENT EDITION:

- 150/5370-20 - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
150/5210-50 - PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AIRPORT
150/5200-180 - AIRPORT SAFETY SELF-INSPECTION
150/5340-1M - STANDARDS FOR AIRPORT MARKINGS
2. AFTER COMPLETION OF WORK, THE CONTRACTOR SHALL RE-STRIPE ALL/ANY EXISTING RUNWAY, TAXIWAY, OR TAXILANE CENTERLINE MARKINGS WHICH WERE TEMPORARILY REMOVED FOR CONSTRUCTION OR DAMAGED DURING CONSTRUCTION, MATCHING ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL RELOCATE AND RESTORE AFTER COMPLETION OF CONSTRUCTION, ANY TAXIWAY CENTER LIGHTS, EDGE LIGHTS, OR GROUND SIGNS THAT MAY EXIST WITHIN THE CONSTRUCTION AREA, IF REMOVED OR RELOCATED. CONTRACTOR SHALL PROVIDE "JUMPER CABLES" TO KEEP ELECTRICAL CIRCUITS IN OPERATION.
4. AIRPORT OPERATIONS - THE CONTRACTOR SHALL APPROPRIATE SAFETY OFFICERS IN ACCORDANCE WITH THE PROJECT MANUAL. THE CONTRACTOR SHALL ALSO ACQUAINT ALL SUBCONTRACTORS AND EMPLOYEES WITH THE ACTIVITIES OF THE NORTH FLORIDA BEACHES INTERNATIONAL AIRPORT AND OPERATIONS THAT ARE INHERENT AT THIS ACTIVE AIRPORT AND SHALL CONDUCT CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES ON SAFETY SPECIFIED IN THE PROJECT MANUAL AND AS SPECIFIED BY THE FIELD REPRESENTATIVE AND THE FAA.
5. VEHICLE IDENTIFICATION - ALL CONTRACTOR VEHICLES THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3' X 3' OR LARGER ORANGE AND WHITE CHECKERED FLAG, EACH CHECK BEING 1" SQUARE. COMPANY DECALS WITH NOT LESS THAN 4" LETTERS MAY BE SUBSTITUTED FOR FLAMES ON SUPERVISORY VEHICLES AND LIGHT TRUCKS. ALL VEHICLES OPERATING IN THE ACTIVE AIRPORT OPERATIONS AREA (AOA) DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING YELLOW LIGHT - TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
6. GROUND CONTROL - NO CONTRACTOR VEHICLES OR EQUIPMENT SHALL ACCESS OR CROSS ACTIVE RUNWAYS, TAXIWAYS, OBJECT FREE AREAS AND APPROACH CLEAR ZONES. ACCESS ONTO THE WORK AREA SHALL BE LIMITED TO THE JOHNNY REAVER ROAD GATE.
7. WORK REQUIRING PAVEMENT CLOSURE SHALL BE PERFORMED IN ACCORDANCE WITH THE SAFETY PLANS AND THE PROJECT MANUAL. NO RUNWAY, TAXIWAY, APRON OR AIRPORT ROADWAY SHALL BE CLOSED WITHOUT APPROVAL OF AIRPORT MANAGEMENT. TO ENABLE NECESSARY NOTICES TO AIRMEN (NOTAMS) OR ADVISORIES TO AIRPORT SERVICES OR TENANTS, A MINIMUM OF SEVENTY-TWO (72) HOURS WRITTEN NOTICE OF REQUESTED CLOSING SHALL BE DIRECTED TO THE ENGINEER, WHO WILL COORDINATE THE REQUEST WITH AIRPORT OPERATIONS.
8. OPEN TRENCHES - ANY CONSTRUCTION ABOVE 3' OR OPEN TRENCHES IN EXCESS OF 3' WITHIN 150' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 48' FROM AN ACTIVE TAXIWAY CENTERLINE WILL REQUIRE CLOSURE OF THE AFFECTED RUNWAY OR TAXIWAY, UNLESS OTHERWISE APPROVED BY THE OWNER. ANY TRENCHES 18" OR ABOVE MUST BE CONSTRUCTED TO MEET ALL FEDERAL, STATE (FLORIDA TRENCH SAFETY ACT) AND LOCAL LAWS (INCLUDES OSHA STANDARDS).
9. TRENCH MARKING - OPEN TRENCHES AND EXCAVATIONS LOCATED WITHIN 200' FROM AN ACTIVE TAXIWAY CENTERLINE SHALL BE TEMPORARILY MARKED WITH FLAGS AND LIGHTED BY APPROVED LIGHT UNITS (FLARE POTS NOT ALLOWED) DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS. THE CONTRACTOR WILL ENSURE THAT AN EMPLOYEE REMAINS ON-CALL TWENTY-FOUR (24) HOURS PER DAY FOR EMERGENCY MAINTENANCE OF HAZARD LIGHTING AND BARRICADES. NO OPEN TRENCHES ARE PERMITTED ADJACENT TO ACTIVE AOA, UNLESS APPROVED BY AIRSIDE OPERATIONS. THESE TRENCHES SHALL BE BACKFILLED WHEN THE CONTRACTOR IS NOT PERFORMING WORKS IN THE TRENCHES. ANY EXISTING DITCHES PERMITTED TO REMAIN OPEN SHALL BE COMPLETELY ENCLOSED WITHIN AIRPORT-TYPE BARRICADES AND PROPERLY LIGHTED. INDIVIDUAL FLAGS AND/OR LIGHTS WILL NOT BE PERMITTED AROUND OPEN TRENCHES/EXCAVATIONS DURING NIGHTTIME HOURS.
10. OPEN FLAME - OPEN FLAME, WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE APPROVED BY AIRPORT OPERATIONS.
11. STOCKPILE EROSION AND DUST CONTROL - STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS. STOCKPILED MATERIALS SHALL NOT BE PERMITTED WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR 65.5' FROM AN ACTIVE TAXIWAY CENTERLINE.
12. DEBRIS CONTROL - DEBRIS, WASTE AND LOOSE MATERIAL SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS. IF OBSERVED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS, THE MATERIAL WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE FIELD REPRESENTATIVE MAY DIRECT THAT DEBRIS PROBLEMS DURING CONSTRUCTION NOT CORRECTED BY THE CONTRACTOR BE CORRECTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE PAVEMENTS ADJACENT TO THE WORK AREA CLEAR OF DEBRIS AND FOD AT ALL TIMES.
13. INSPECTION BY OPERATIONS - PRIOR TO OPENING FOR AIRCRAFT USE AND THE DEPARTURE OF THE CONTRACTOR'S WORK CREWS, THE FIELD REPRESENTATIVE WILL ARRANGE FOR INSPECTION BY AIRPORT OPERATIONS OF ANY RUNWAY, TAXIWAY SAFETY AREA, OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. THESE AREAS MUST COMPLY WITH THE SAFETY REQUIREMENTS DEFINED BY FEDERAL AVIATION REGULATIONS PART 139 AND INSPECTED BY THE DESIGNATED OPERATION'S INSPECTOR BEFORE PERMISSION FOR THE CONTRACTOR'S WORK CREWS TO DEPART WILL BE GRANTED.
14. NO SMOKING SHALL BE ALLOWED WITHIN THE AOA.
15. DESIGNATED AIRPORT REPRESENTATIVE SHALL HAVE THE AUTHORITY TO DISCONTINUE CONSTRUCTION OPERATIONS AT ANY TIME, FOR ANY REASON. THE AIRPORT REPRESENTATIVE CAN REQUIRE THE CONTRACTOR TO LEAVE THE AIRSIDE AOA AND/OR AIRPORT PROPERTY AND EVACUATE THE WORK AREA WITHIN THIRTY (30) MINUTES AFTER RECEIVING NOTICE.
16. ALL BARRICADE LIGHTING, TEMPORARY SIGNAGE AND COVERS SHALL BE VERIFIED BY THE CONTRACTOR FOR PROPER OPERATION AT THE END OF EACH DAY BEFORE THE CONTRACTOR CEASES OPERATION. THE INTENSITY OF THE LIGHTS AND THE SPACING FOR BARRICADES, SHALL BE ADEQUATE TO DELINEATE THE HAZARDOUS AREA WITHOUT AMBIGUITY. NO MORE THAN 10% OF THE LIGHTS FOR BARRICADES SHALL BE OBSOLETE OR DEFECTIVE AT ANY TIME. TWO (2) CONSECUTIVE LIGHTS BE INOPERABLE. THE CONTRACTOR SHALL IMMEDIATELY REPLACE ANY BARRICADES, LIGHTS OR FLAGS WHICH IN THE OPINION OF THE FIELD REPRESENTATIVE OR AIRPORT OPERATIONS ARE NOT ADEQUATE.
17. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN VEHICLES, EQUIPMENT AND MATERIALS OUTSIDE THE AIRCRAFT CONTAINMENT LINE DURING CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO WORK 24 HOURS EACH DAY IN DESIGNATED AREAS IN ORDER TO MINIMIZE THE SHUT DOWN TIME. NO ADDITIONAL CONTRACT COST SHALL BE ALLOWED FOR WORK TO BE ACCOMPLISHED "AROUND THE CLOCK" (24 HOURS PER DAY).
18. ALL MARKINGS WITHIN THE CONSTRUCTION AREA IN CONFLICT WITH THE SAFETY PLANS SHALL BE REMOVED & REPLACED AS REQUIRED AND IN ACCORDANCE WITH P-620 OF THE PROJECT MANUAL.
19. ALL EQUIPMENT, MATERIAL AND CONSTRUCTION PERSONNEL SHALL BE KEPT AT LEAST 250' FROM CENTERLINE OF ACTIVE RUNWAY, 65.5' FROM AN ACTIVE TAXIWAY AT ALL TIMES.
20. CONTRACTOR IS REQUIRED TO MONITOR RADAR COMMUNICATIONS AT ALL TIMES. GROUND CONTROL FREQUENCY: 121.65 AND CTAF 118.95.
21. EQUIPMENT OR MATERIALS SHALL NOT EXCEED A HEIGHT OF 35 FT WITHOUT PRIOR APPROVAL FROM ENGINEER.
22. CONTRACTOR SHALL MAINTAIN CONSTANT CONTACT WITH ATOT BEFORE AND DURING ANY OPERATIONS IN THE AOA.
23. CONTRACTOR SHALL REMOVE ALL EQUIPMENT FROM OBJECT FREE AREAS DURING HOURS OF AIRCRAFT OPERATIONS.
24. THE FINAL LIFT OF ASPHALT SHALL BE CONSTRUCTED DURING DAYLIGHT HOURS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
25. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND DESIGNATED AIRPORT REPRESENTATIVES FOR THE ISSUANCE OF NOTAMS BEFORE CONSTRUCTION BEGINS; HEIGHT RESTRICTIONS IN ANY AREAS OF CONSTRUCTION THAT WILL NECESSITATE THE CLOSURE OF A RUNWAY OR TAXIWAY WILL REQUIRE THAT WORK BE PERFORMED DURING NIGHTTIME ONLY (10:00PM-7:00AM). PRIOR TO THE END OF THE WORK SHIFT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, MATERIAL AND STOCK PILES FROM THE CONSTRUCTION AREA, AND SHALL SWEEP THE AREA FOR ALL LOOSE PARTICLES THAT MAY BE INGESTED BY JET ENGINES.



North

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GRAPHIC SCALE IN FEET

LEGEND

PROJECT AREA

AIRCRAFT SAFETY BARRICADE

6' CHAIN LINK TEMPORARY CONSTRUCTION FENCING

EXISTING PAVEMENT

NOTES:

- CONTRACTOR TO PROVIDE ALL, FUEL, EQUIPMENT, TOOLS AND ALL/ANY OTHER INCIDENTALS TO COMPLETE THE WORK.
- CONTRACTOR'S QUALIFIED PERSONNEL SHALL MONITOR ECP GROUND CONTROL 121.65 MHz (BETWEEN 0600 AND 2300) AND CTAF 118.95 (BETWEEN 2300 AND 0600) DURING CONSTRUCTION IN ORDER TO BE AWARE OF AIRCRAFT OPERATIONS IN AND AROUND THE AIRFIELD.
- THE CONTRACTOR SHALL NOTIFY THE AIRPORT PRIOR TO ENTERING THE WORK AREA AT THE BEGINNING OF EACH WORK DAY AND WHEN DEPARTING THE WORK AREA AT THE END OF THE DAY.
- AIRPORT'S NORMAL WORK WEEK IS MONDAY THROUGH FRIDAY. THE CONTRACTOR SHOULD PLAN ON COMPLETING THE WORK DURING THIS SCHEDULE. OTHER WORK DAY REQUESTS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE AIRPORT, ON A CASE BY CASE BASIS.
- SEE SHEETS C-5 THROUGH C-7 AND ARCHITECTURAL SHEETS FOR EXACT LIMITS OF WORK.
- CONTRACTOR SHALL PLACE BARRICADES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL COORDINATE FENCE CONSTRUCTION AND DEMOLITION SCHEDULE WITH AIRPORT.
- OWNER MAY MAKE FIELD MODIFICATIONS TO CONSTRUCTION BARRICADES TO ENSURE OPERATIONS ARE MAINTAINED.
- CONTRACTOR'S EQUIPMENT AND VEHICLES SHALL REMAIN 56.8' FEET OR GREATER FROM TAXIWAY F CENTERLINE (EXTENDED) AT ALL TIMES.
- CONTRACTOR SHALL YIELD TO AIRCRAFT AT ALL TIMES. CONTRACTOR SHALL YIELD RIGHT-OF-WAY IN AREAS LEASED BY OTHERS AT ALL TIMES.
- EQUIPMENT HEIGHT SHALL NOT EXCEED 35 FEET ABOVE GROUND LEVEL UNLESS SPECIFICALLY REQUESTED BY CONTRACTOR AND APPROVED BY THE AIRPORT.
- RESTRICTIONS INDICATED ON THIS SHEET SHALL APPLY AT ALL TIMES.
- BARRICADE PLACEMENT TO BE COORDINATED WITH OWNER'S FIELD REPRESENTATIVE, 2 FEET FROM THE EDGE OF ALL EXISTING AFFECTED PAVEMENTS, UNLESS OTHERWISE SHOWN. BARRICADES SHALL BE CONTINUOUS (NO SPACES).
- BARRICADE SECTIONS SHALL BE WHITE WITH ORANGE REFLECTIVE MEDIA. ALL INCIDENTAL CONNECTORS, SPACERS, SPLICE PLATES, ETC. SHALL BE PAINTED WHITE.
- ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAINTED WHEN DEEMED APPROPRIATE BY THE ENGINEER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY.
- ALL BARRICADES SHALL BE MOVED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP THE DEBRIS WHICH HAS ACCUMULATED AND REMOVE FROM THE SITE. THE BARRICADES SHALL THEN BE REPLACED AT THE APPROPRIATE LOCATION.
- THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE BARRICADES. BARRICADES SHALL BE CHECKED DAILY FOR PROPER PLACEMENT.
- REFER TO SHEET C-2 FOR ADDITIONAL INFORMATION ON SAFETY AND SECURITY.

AIRCRAFT SAFETY BARRICADE - WATER FILLED

NTS
CONTRACTOR TO CHECK BARRICADES DAILY FOR LEAKS OR DAMAGE AND REPLACE IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER

AIRPORT SAFETY FLAG DETAIL

NTS
ORANGE AND WHITE CHECKERED FLAG TO BE PLACED ON ALL CONTRACTOR VEHICLES

VEHICLE SAFETY BARRICADE

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CLIENT

NORTHWEST

FLORIDA BEACHES

INTERNATIONAL

AIRPORT (ECP)

NORTHWEST FLORIDA

BEACHES INTERNATIONAL AIRPORT

PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND

BAGGAGE

EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

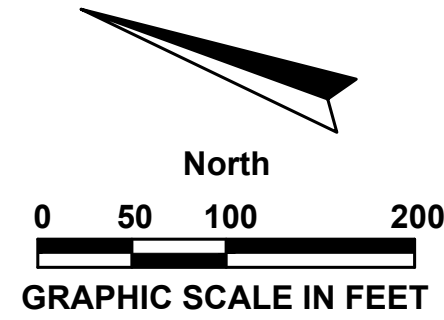
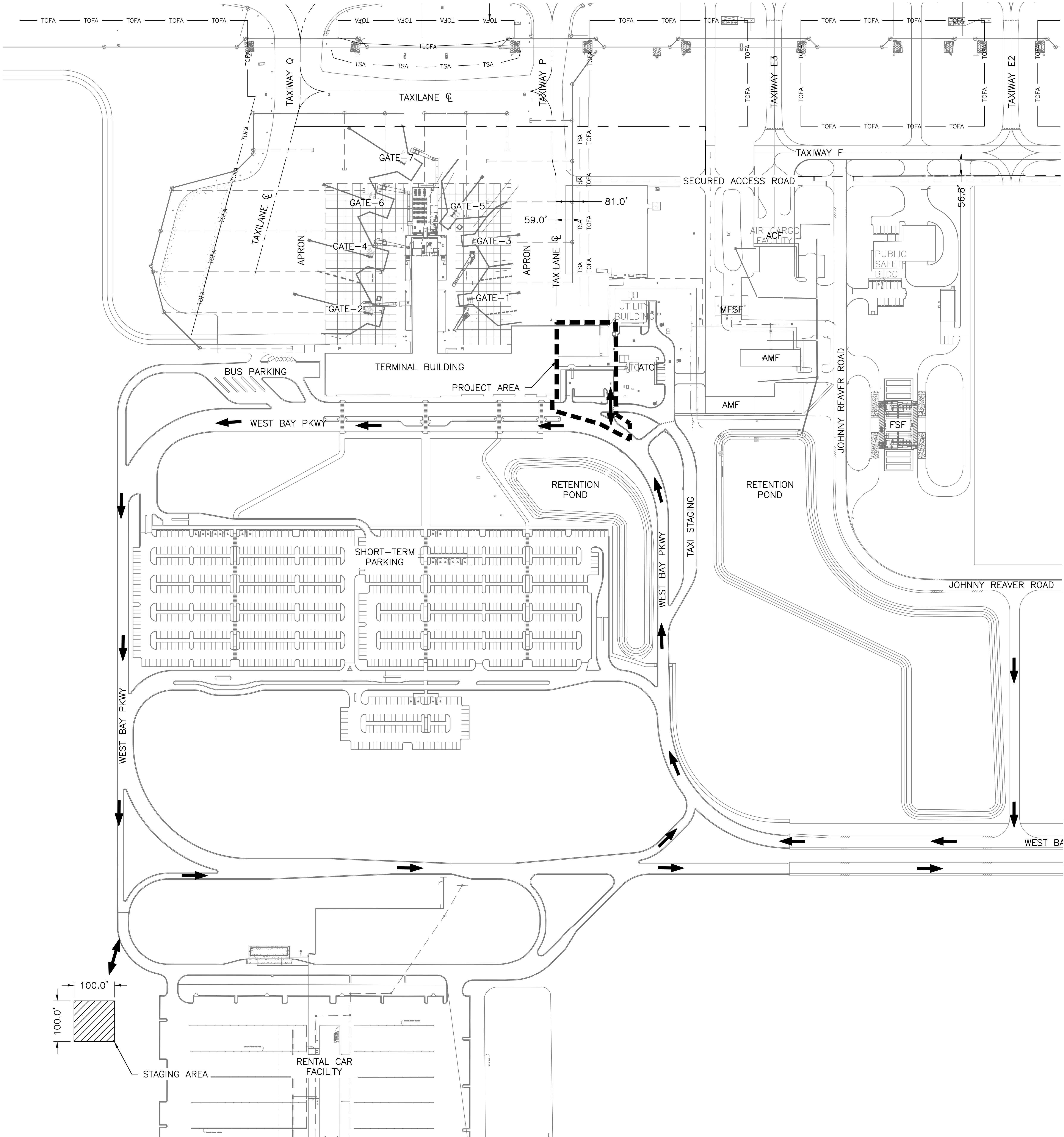
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CONSTRUCTION SAFETY AND PHASING PLAN

SHEET NUMBER

C-3



LEGEND	
	TAXIWAY/TAXILANE OBJECT FREE AREA
	CONSTRUCTION BARRICADE
	CONTRACTORS HAUL ROUTE
	PROJECT LIMITS
	100' X 100' STAGING AREA

NOTES:

STAGING/STORAGE AREAS:

1. THE EXACT LIMITS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER IN THE AREAS GENERALLY AS SHOWN ON THE PLANS. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY AGENCIES. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL PROVIDE PROPER AND SANITARY TOILET FACILITIES FOR HIS/HER EMPLOYEES.
2. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE ALL GRASSED, GRAVELED AND PAVED AREAS USED FOR STAGING AND STORAGE TO A CLEAN AND NEAT CONDITION ACCEPTABLE TO THE OWNER. THE TERRAIN SHALL BE LEFT IN A SMOOTH, WELL-GROOMED, AND GRADED-TO-DRAIN CONDITION INCLUDING THE REFILLING OF ANY RUTS, HOLES, OR OTHER DEPRESSIONS OR THE LEVELING OF BERMS OR OTHER SIMILAR EMBANKMENTS AS MAY BE APPLICABLE. UPON ACCEPTANCE OF THE RESTORED STAGING OR STORAGE AREAS, THE CONTRACTOR SHALL SOD THESE AREAS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE FOR THE CONSTRUCTION, MAINTENANCE, RESTORATION, REPAIR, AND SODDING OF STAGING AND STORAGE AREAS.
3. CONTRACTOR SHALL USE NON-GRAVEL STABILIZATION, TO MINIMIZE FOREIGN OBJECT DEBRIS (FOD) DURING CONSTRUCTION ACTIVITIES AND PREVENT ALL OFFSITE SEDIMENT TRACKING. CONTRACTOR SHALL INSTALL TYPE "III" SILT FENCE 5' OUTSIDE THE PERIMETER OF THE STAGING AREA. SEE SHEET C-XX FOR SILT FENCE DETAIL.

HAUL AND ACCESS ROADS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING HAUL AND ACCESS ROADS WITHIN THE LIMITS OF CONSTRUCTION, STAGING AREAS, AND BETWEEN CONSTRUCTION AREAS. AND FOR THE DUST CONTROL OF THESE ROADS. ALL COSTS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE PROJECT AND SHALL NOT BE PAID FOR SEPARATELY.
2. ANY ADDITIONAL HAUL OR ACCESS ROADS REQUESTED BY THE CONTRACTOR FOR HIS OPERATIONS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE CONSTRUCTED BY THE CONTRACTOR AT LOCATIONS WHERE AND IF APPROVED BY THE ENGINEER AT NO ADDITIONAL COMPENSATION.
3. THE ENGINEER RESERVES THE RIGHT TO SHIFT THE LOCATION OF CONTRACTOR HAUL AND ACCESS ROUTES AS MAY BE DEEMED NECESSARY FOR THE ORDERLY PROGRESS OF THE OVERALL AIRPORT DEVELOPMENT PROJECT AT NO ADDITIONAL COMPENSATION.
4. PRIOR TO BEGINNING THE WORK, THE CONDITION OF APPLICABLE ROADWAYS SHALL BE JOINTLY INSPECTED AND AGREED UPON BY THE CONTRACTOR AND ENGINEER. ANY DAMAGE TO EXISTING ROADWAYS USED AS A HAUL OR ACCESS ROUTE SHALL BE CONSIDERED THE RESPONSIBILITY OF THE CONTRACTOR AND HE OR SHE SHALL PROMPTLY REPAIR ANY DAMAGED ROADWAYS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER WITH NO ADDITIONAL COMPENSATION.
5. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE ALL GRASSED, GRAVELED AND PAVED AREAS USED FOR HAUL ROADS TO A CLEAN AND NEAT CONDITION ACCEPTABLE TO THE OWNER. THE TERRAIN SHALL BE LEFT IN A SMOOTH, WELL-GROOMED, AND GRADED-TO-DRAIN CONDITION INCLUDING THE REFILLING OF ANY HOLES OR DEPRESSIONS OR THE LEVELING OF ANY RUTS AS MAY BE APPLICABLE. THE REFILLED MATERIAL SHALL BE SUITABLE TO THE AREA BEING RESTORED (GRAVEL IF AN EXISTING GRAVEL ROAD IS BEING RESTORED, SOIL IF A TURF AREA IS BEING RESTORED, ETC.). UPON ACCEPTANCE OF A HAUL ROAD RESTORED WITHIN A PREEXISTING TURF AREA, THE CONTRACTOR SHALL SOD THESE AREAS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE FOR THE CONSTRUCTION, MAINTENANCE, RESTORATION, REPAIR, GRAVELING, SODDING OF HAUL ROADS.
6. WORK BY OTHERS: ADDITIONAL CONTRACTORS MAY BE WORKING WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT. CLOSE COORDINATION OF WORK BETWEEN THE CONTRACTOR AND OTHER WORK IN THE AREA WILL BE REQUIRED. THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER IN COORDINATING SCHEDULES IN ORDER TO MINIMIZE CONFLICTS AND COMPLETE THE PROJECTS IN A TIMELY MANNER. THE CONTRACTOR SHALL COORDINATE HIS WORK SO AS NOT TO DISRUPT OR INTERFERE WITH WORK BEING ACCOMPLISHED BY OTHER CONTRACTORS. THE ENGINEER RESERVES THE RIGHT TO ADJUST PROJECT LIMITS AS MAY BE DEEMED NECESSARY TO ACCOMMODATE ADJACENT WORK BY OTHERS. ANY SUCH NECESSARY ADJUSTMENT WHICH IMPACTS THE SCHEDULE OF THE CONTRACTOR MAY BE THE BASIS FOR A REQUEST FOR EXTRA TIME. HOWEVER, IT SHALL NOT BE THE BASIS FOR A CLAIM FOR EXTRA COSTS.



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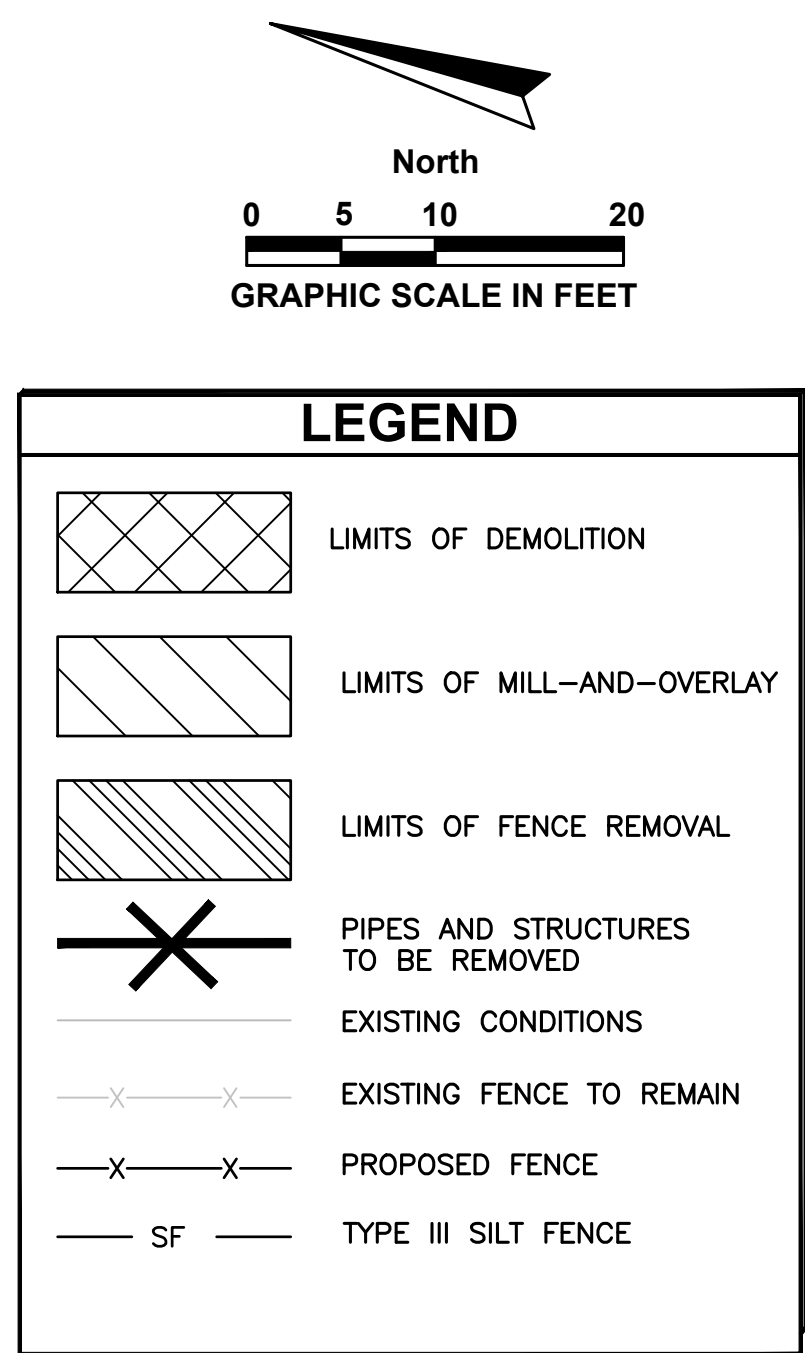
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DRAWING TITLE

HAUL ROUTE
AND STAGING
PLAN

SHEET NUMBER

C-4

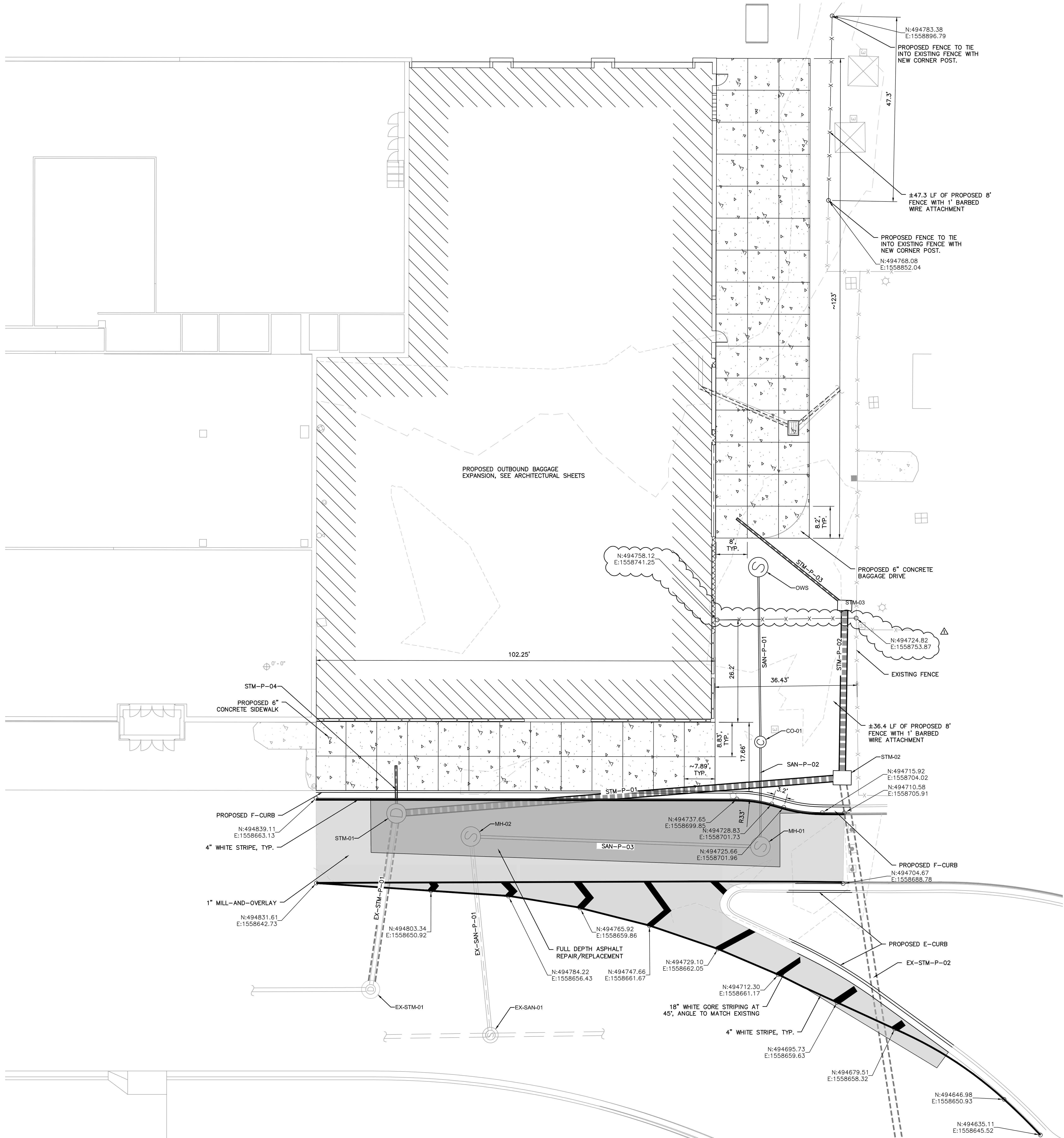


1. SAW-CUT CLEAN EDGES AND MATCH EXISTING GRADE FOR ALL DEMOLITION TIE-IN LOCATIONS. SEE SHEET C-8 FOR DOUBLE SAW CUT ASPHALT/CONCRETE DEMOLITION DETAIL.
2. CONTRACTOR SHALL KEEP AREA SWEEPED AND FREE OF DEBRIS TO PREVENT FOD FROM ENTERING ACTIVE AIRFIELD.

1. ALL SEDIMENT CONTROL MEASURES SHOWN OF THESE PLANS ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE BALANCE OF THE SITE.
2. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED AT NO ADDITIONAL COST TO THE OWNER.
3. ALL TEMPORARY EARTH BERMS AND DIVERSIONS ARE TO BE MACHINE COMPACTED AND SODDED FOR TEMPORARY VEGETATIVE COVER WITHIN 10 DAYS AFTER GRADING.
4. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. THE IN PLACE SEDIMENT CONTROL MEASURES WILL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.
6. THE CONSTRUCTION OF SWALES SHALL BE PERFORMED PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS.
7. EXISTING AND PROPOSED INLET OPENINGS IN THE PROJECT SHALL BE COVERED WITH FILTER FABRIC AND SURROUNDED BY TYPE III SILT FENCE ALONG WITH HAY BALES.
8. THE CONTRACTOR SHALL MINIMIZE THE EXTENT OF EXPOSED EARTH AT ONE TIME DURING CONSTRUCTION AND UTILIZE WATERING TRUCKS TO WET THE EARTH DURING DRY MONTHS TO MINIMIZE EROSION DUE TO WIND.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER IF EROSION CONTROL ISSUES DEVELOP ONSITE.
10. SEE SHEET C-8 FOR EROSION CONTROL DETAILS.
11. SAW-CUT CLEAN EDGES AND MATCH EXISTING GRADE FOR ALL DEMOLITION TIE-IN LOCATIONS. APPLY TACK COAT ON ALL EDGES PER FDOT 300. SEE SHEET C-8 FOR DOUBLE SAW CUT ASPHALT DEMOLITION DETAIL.
12. STRIPPINGS (6" DEPTH) INTENDED FOR USE AS TOPSOIL PER FDOT 987.
13. SAW CUT MIN 2 FOOT BACK OR PER FLEX BUTT JOINT DETAIL, TYPICAL PAVEMENT SECTION AND DETAILS SHEET(S), WHICHEVER IS GREATER. BUTT JOINT REQUIRES TACK AND CLEAN SAW CUT FOR THE FULL LENGTH OF THE TIE-IN.
14. CONTRACTOR SHALL PROTECT EXISTING SIGNS TO REMAIN TO ENSURE THEY ARE NOT DAMAGED DURING CONSTRUCTION. IF SIGNS ARE DAMAGED THEY SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL BE REQUIRED TO CLEAN EXISTING DRAINS AND PIPES. ALL PIPES AND DRAINS SHALL BE FREE FROM DIRT AND DEBRIS PRIOR TO OWNER ACCEPTING THE PROJECT.
16. THE DEMOLISHED AOA FENCE IS THE PROPERTY OF THE OWNER AND SHALL BE NEATLY ROLLED AND TIED PRIOR TO TURNING OVER TO THE AIRPORT. LOCATION OF DELIVERY ON PROPERTY TO BE DETERMINED BY THE OWNER.
17. CONTRACTOR SHALL KEEP AREA SWEEPED AND FREE OF DEBRIS TO PREVENT FOD FROM ENTERING ACTIVE AIRFIELD.

1. ALL BOUNDARY LINES, LOT LINES, RIGHT-OF-WAY LINES, CENTERLINES, WETLAND LINES, WETLAND BUFFER LINES, EASEMENT LINES, SETBACK LINES, CURBING, EDGE OF PAVEMENT, ERIER ETC. ARE TO BE SHOWN BY ANY OTHER LINEWORK/TEXT NOT PERTAINING TO THE SANITARY SEWER, POTABLE WATER, REUSE WATER OR STORMWATER AS BUILTS SHOWN HEREON AS GREYSCALED WERE PROVIDED BY THE CONTRACTOR AND ARE FOR INFORMATION PURPOSES ONLY, AND WERE NOT FIELD LOCATED/VERIFIED UNLESS OTHERWISE NOTED.
2. SLOPE PERCENTAGES FOR SANITARY SEWER AND LENGTH OF PIPE FOR SANITARY SEWER AND STORMWATER AS SHOWN HEREON ARE COMPUTED RESULTS BASED ON FIELD MEASUREMENTS AS TAKEN FOR THE INVERTS AT THE CENTER/TOP OF STRUCTURE. NO ATTEMPT WAS MADE TO FIELD VERIFY THE ACTUAL SLOPES BY ANY OTHER METHOD.
3. PIPE SIZES AND TYPES AS SHOWN HEREON, ARE SHOWN ACCORDING TO INFORMATION/DATA AS PROVIDED BY THE UTILITY CONTRACTOR AND WERE NOT FIELD EXCAVATED/UNCOVERED FOR VERIFICATION.
4. UNDERGROUND LOCATIONS OF SANITARY SEWER LATERALS/STUB-OUTS, WATER VALVES, WATER LINES AND WATER SERVICES ARE SHOWN AS SURFACE MARKED/INDICATED BY THE UTILITY CONTRACTOR AND WERE NOT FIELD EXCAVATED/UNCOVERED FOR VERIFICATION.
5. PLANNED INFORMATION IS SHOWN IN PARENTHESIS.
6. THE SURVEY MAP AND REPORT NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. 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.

THE CONTRACTOR SHALL COORDINATE UTILITY LOCATES WITH AIRPORT 2 WEEKS PRIOR TO DIGGING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS PRIOR TO ANY EXCAVATION. DELIVERY OF THE CONTRACTOR'S PROVIDED A WRITTEN NOTICE (RETURN RECEIPT REQUESTED) TO EACH OF THE UTILITY COMPANIES AFFECTED BY THE PROJECT, ALONG WITH THE VARIOUS DEPARTMENTS OF FLORIDA SUNSHINE ONE CALL AS PRESCRIBED BY STATE LAW. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE OWNER'S REP WITH A COPY OF THE RETURN RECEIPT FROM EACH OF THE UTILITY COMPANIES OR BAY COUNTY DEPARTMENTS. THIS REQUIREMENT IS IN ADDITION TO ANY OTHER STATE LAWS REGARDING PUBLIC NOTIFICATION PRIOR TO EXCAVATION.



PROPOSED 1" MILL-AND-OVERLAY

FULL DEPTH ASPHALT REPAIR/REPLACEMENT

PROPOSED OUTBOUND BAGGAGE EXPANSION

PROPOSED CONCRETE SIDEWALK

PROPOSED FENCE REALIGNMENT

EXISTING CONDITIONS

LEGEND

- NOTES:**
- SEE SHEET C-3 FOR CONSTRUCTION SAFETY AND PHASING PLAN.
 - SEE SHEET C-5 FOR LIMITS OF DEMOLITION.
 - SEE SHEET C-7 FOR GRADING PLAN AND STORM AND SANITARY INFORMATION.
 - SEE SHEET C-8 FOR PAVEMENT SECTION DETAILS.
 - ALL FENCE SHALL COMPLY WITH F-162 AND AIRPORT SECURITY REQUIREMENTS. CONTRACTOR SHALL HAVE NO MORE THAN 1" GAP BETWEEN BOTTOM OF FENCE AND EXISTING GROUND, TYP.
 - AIRPORT POLICE SHALL INSPECT AND APPROVE ALL POINTS OF ACCESS AND FENCE INSTALLATION AND PROVIDE APPROVAL PRIOR TO FENCE ACCEPTANCE, TYP.
 - ALL MILL-AND-OVERLAY WORK TO BE COMPLETED OUTSIDE OF REGULAR AIRPORT BUSINESS HOURS.

REVISION NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT DOCUMENTS

CLIENT
NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE
PANAMA CITY AIRPORT NWFBIA:

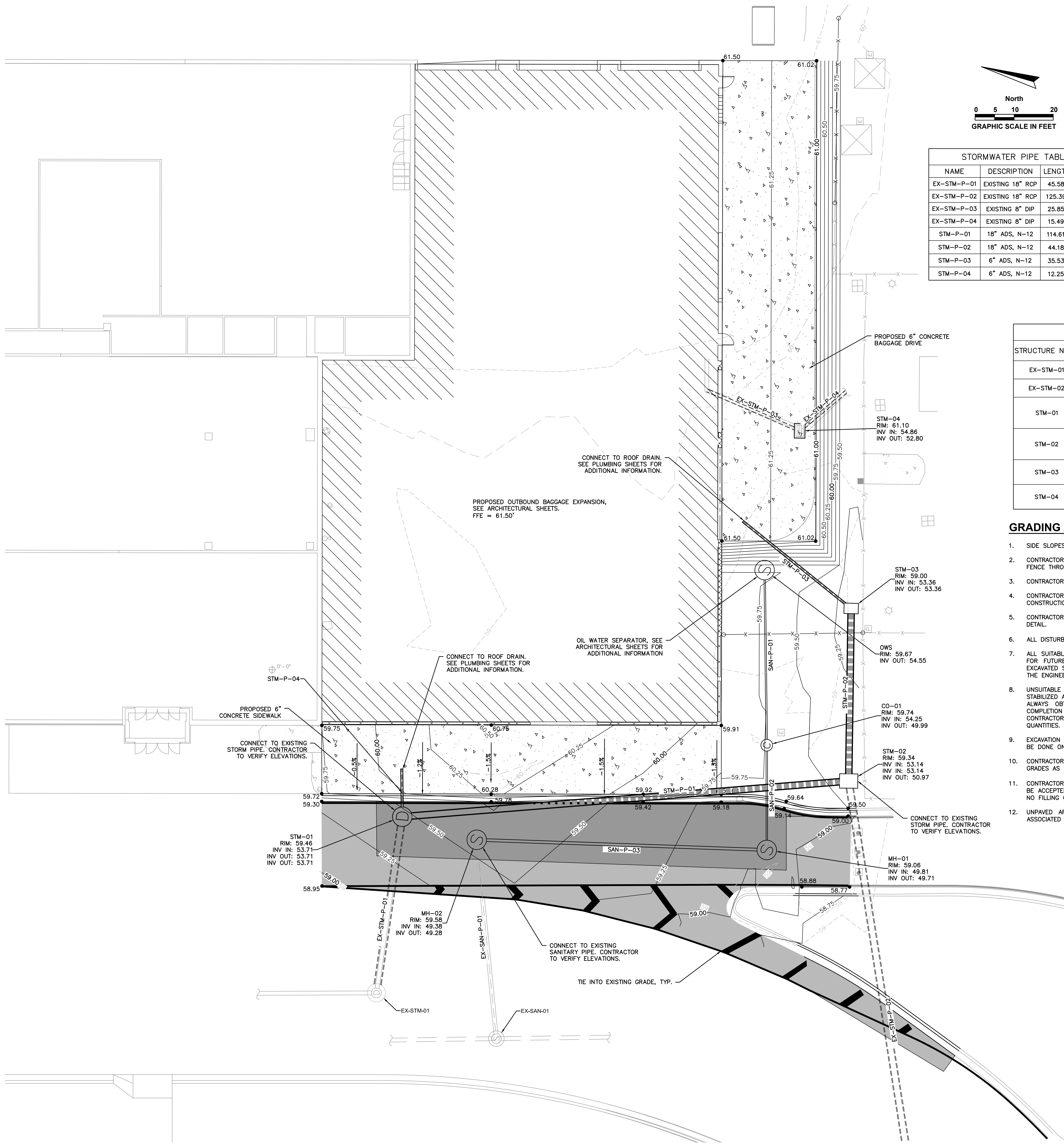
OUTBOUND BAGGAGE EXPANSION

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER
NO. 210211

ISSUE DATE
05.10.2022

SITE PLAN



STORMWATER PIPE TABLE			
NAME	DESCRIPTION	LENGTH	SLOPE
EX-STM-P-01	EXISTING 18" RCP	45.58'	0.22%
EX-STM-P-02	EXISTING 18" RCP	125.39'	1.00%
EX-STM-P-03	EXISTING 8" DIP	25.85'	1.00%
EX-STM-P-04	EXISTING 8" DIP	15.49'	0.50%
STM-P-01	18" ADS, N-12	114.61'	0.50%
STM-P-02	18" ADS, N-12	44.18'	0.50%
STM-P-03	6" ADS, N-12	35.53'	2.00%
STM-P-04	6" ADS, N-12	12.25'	-2.00%

LEGEND	
	PROPOSED 1" MILL-AND-OVERLAY
	FULL DEPTH ASPHALT REPAIR/REPLACEMENT
	PROPOSED BAGGAGE MAKE-UP EXPANSION
	PROPOSED CONCRETE SIDEWALK
	PROPOSED FENCE REALIGNMENT
	EXISTING CONDITIONS
	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPOSED SPOT ELEVATION
	PROPOSED STORM PIPE
	EXISTING STORM PIPE

STORMWATER STRUCTURE TABLE			
STRUCTURE NAME	STRUCTURE TYPE	DETAILS	NORTHING/EASTING
EX-STM-01	EXISTING STORM INLET	RIM = 58.72 EX-STM-P-01 INV OUT = 53.81	N:494809.21 E:1558621.8730
EX-STM-02	EXISTING STORM INLET	RIM = 54.61 EX-STM-P-02 INV IN = 49.72	N:494653.55 E:1558604.4225
STM-01	FDOT TYPE 'P' ALT. B BOTTOM W/ SOLID GRATE	RIM = 59.46 EX-STM-P-01 INV IN = 53.71 STM-P-01 INV OUT = 53.71 STM-P-04 INV OUT = 53.71	N:494818.40 E:1558666.5139
STM-02	FDOT TYP 'C' DBI	RIM = 59.34 STM-P-01 INV IN = 53.14 STM-P-02 INV IN = 53.14 EX-STM-P-02 INV OUT = 50.97	N:494714.17 E:1558714.1787
STM-03	FDOT TYPE 'C' DBI	RIM = 59.00 STM-P-03 INV IN = 53.36 STM-P-02 INV OUT = 53.36	N:494728.68 E:1558755.9100
STM-04	FDOT TYPE 'F' DBI	RIM = 61.10 EX-STM-P-03 INV IN = 54.86 EX-STM-P-04 INV OUT = 52.80	N:494756.61 E:1558794.1260

GRADING AND DRAINAGE NOTES:

- SIDE SLOPES OF ALL SWALES AND PONDS SHALL BE NO STEEPER THAN 5:1. (MAX).
- CONTRACTOR SHALL INSTALL SILT FENCE PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES AND MAINTAIN SILT FENCE THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE ENGINEER IF EROSION CONTROL ISSUES DEVELOP ONSITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MEASURES ON SITE 24 HOURS A DAY THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET PROTECTION THROUGHOUT CONSTRUCTION, SEE SHEET C-8 FOR DETAIL.
- ALL DISTURBED AREAS (INCLUDING RE-GRADED AREA) SHALL BE RETURNED TO ORIGINAL CONDITION.
- ALL SUITABLE MATERIAL EXCAVATED SHALL BE USED IN THE FORMATION OF EMBANKMENTS OR PLACED IN STOCKPILES FOR FUTURE USE IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER. UNSUITABLE MATERIAL EXCAVATED SHALL BE DISPOSED OF BY THE CONTRACTOR AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- UNSUITABLE OR UNSTABLE MATERIALS ENCOUNTERED IN THE SUBGRADE PREPARATION SHALL BE UNDERCUT AND STABILIZED AS SPECIFIED IN THE PROJECT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL ALWAYS OBTAIN ENGINEER AUTHORIZATION PRIOR TO BEGINNING ANY UNDERCUT EXCAVATION OPERATIONS. UPON COMPLETION OF THE UNDERCUT AND ACCEPTANCE OF THE RESULTING STABLE SUBGRADE BY THE ENGINEER, THE CONTRACTOR SHALL SURVEY THE BOTTOM OF THE UNDERCUT AREA FOR THE PURPOSES OF ESTABLISHING PAYMENT QUANTITIES.
- EXCAVATION LIKELY TO DISLOCATE, DAMAGE, OR IMPAIR THE STRENGTH OF OTHER STRUCTURES ALREADY IN PLACE SHALL BE DONE ONLY AFTER ADEQUATE PROTECTION HAS BEEN PROVIDED FOR THE IN-PLACE STRUCTURES.
- CONTRACTOR SHALL GRADE ALL AREAS AS INDICATED OR DIRECTED BY OWNER. FILL SHALL BE BROUGHT TO FINISH GRADES AS SHOWN AND SHALL BE GRADED TO DRAIN WATER AWAY FROM STRUCTURES.
- CONTRACTOR SHALL PROMOTE POSITIVE DRAINAGE TOWARDS INLETS OR SWALES. NO "BIRD BATHS" OR PONDING SHALL BE ACCEPTED. ANY AREAS WHERE BIRD BATHS OR PONDING HAS BEEN CREATED SHALL BE REGRADED AND RESODDED. NO FILLING OF LOW AREAS WITH SAND WILL BE ACCEPTED.
- UNPAVED AREAS SHALL BE GRADED TO PROMOTE POSITIVE DRAINAGE TO THE STORMWATER DETENTION AREA OR ASSOCIATED INLET.

SANITARY SEWER STRUCTURE TABLE				
STRUCTURE NAME:	STRUCTURE TYPE:	DETAILS:	NORTHING:	EASTING:
CO-01	SANITARY CLEANOUT W/ DROP	RIM = 59.74 INV IN = 54.25 INV OUT = 49.99	494737.00	1558715.62
EX-SAN-01	EXISTING SANITARY MANHOLE	RIM = 52.17 INV IN = 48.65	494776.34	1558621.37
MH-01	SANITARY MANHOLE	RIM = 59.06 INV IN = 49.81 INV OUT = 49.71	494727.82	1558690.43
MH-02	SANITARY MANHOLE	RIM = 59.58 INV IN = 49.38 INV OUT = 49.28	494798.48	1558667.49
OWS	OIL WATER SEPARATOR	RIM = 59.67 INV OUT = 54.55	494752.85	1558757.56

SANITARY SEWER PIPE TABLE			
PIPE NAME	SIZE	LENGTH	SLOPE
EX-SAN-P-01	EXISTING 8" PVC	51'	1.24%
SAN-P-01	4" PVC	45'	0.66%
SAN-P-02	4" PVC	27'	0.66%
SAN-P-03	8" PVC	74'	0.44%



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AAZ6001957



KEYWORD	NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022	

PERMIT DOCUMENTS

CLIENT
NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE
PANAMA CITY AIRPORT NWFBIA:

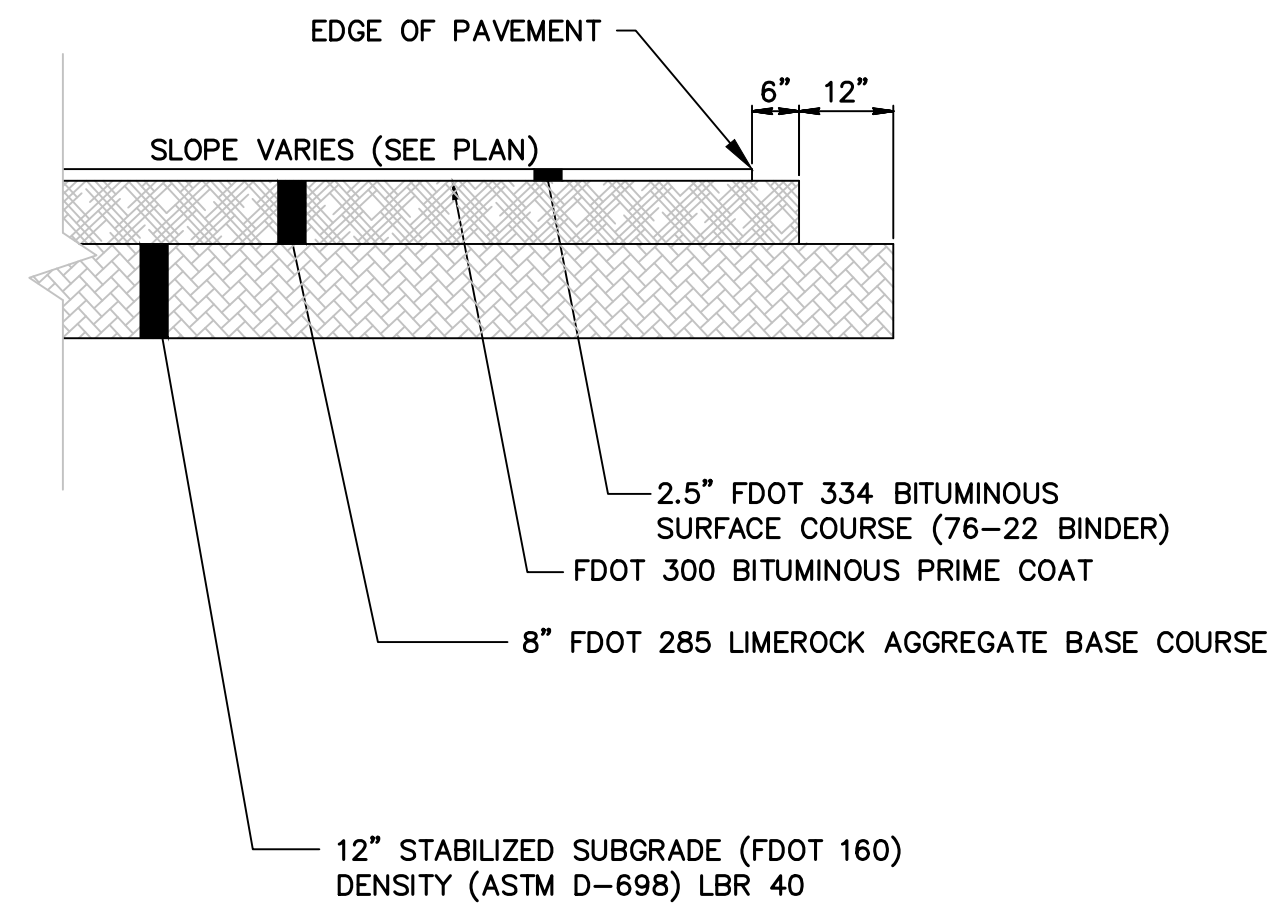
OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211
ISSUE DATE
05.10.2022

DRAWING TITLE
GRADING & UTILITY PLAN

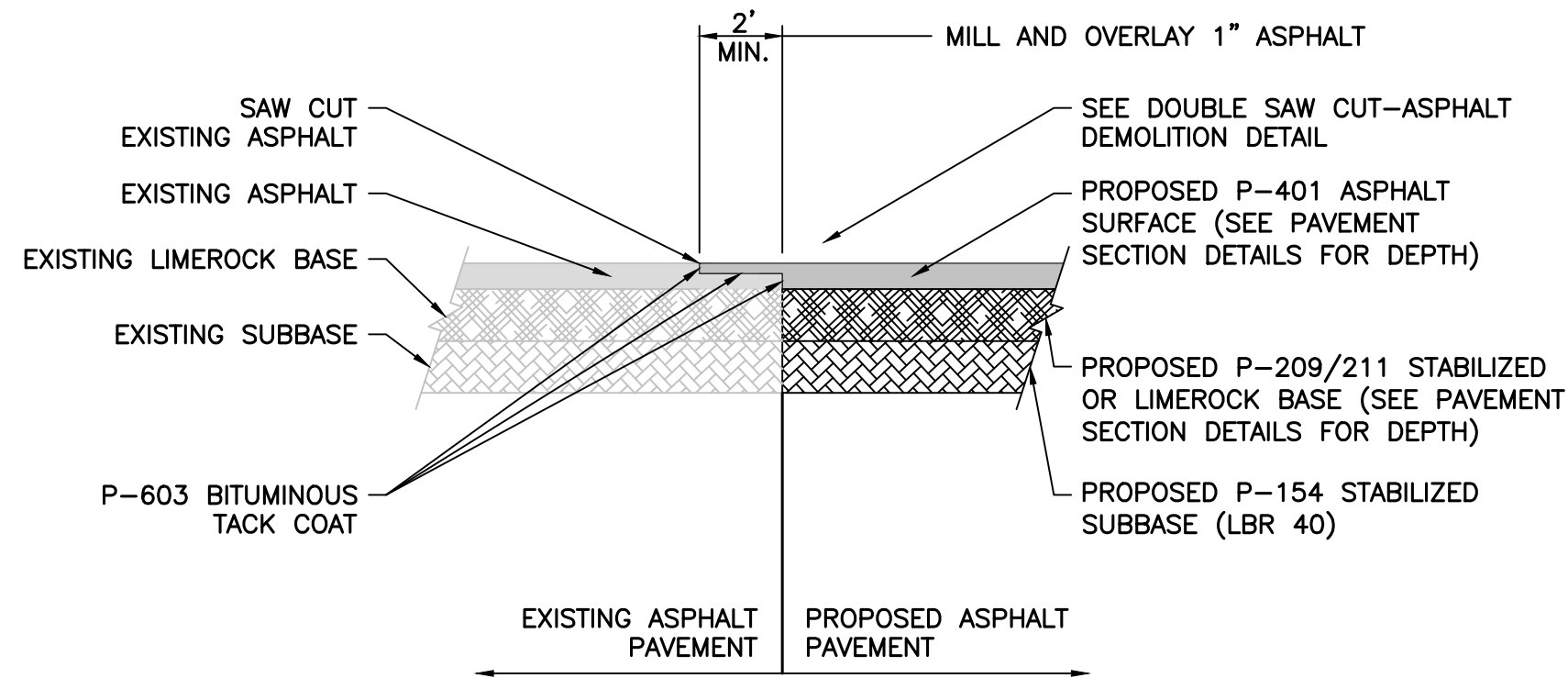
SHEET NUMBER
C-7



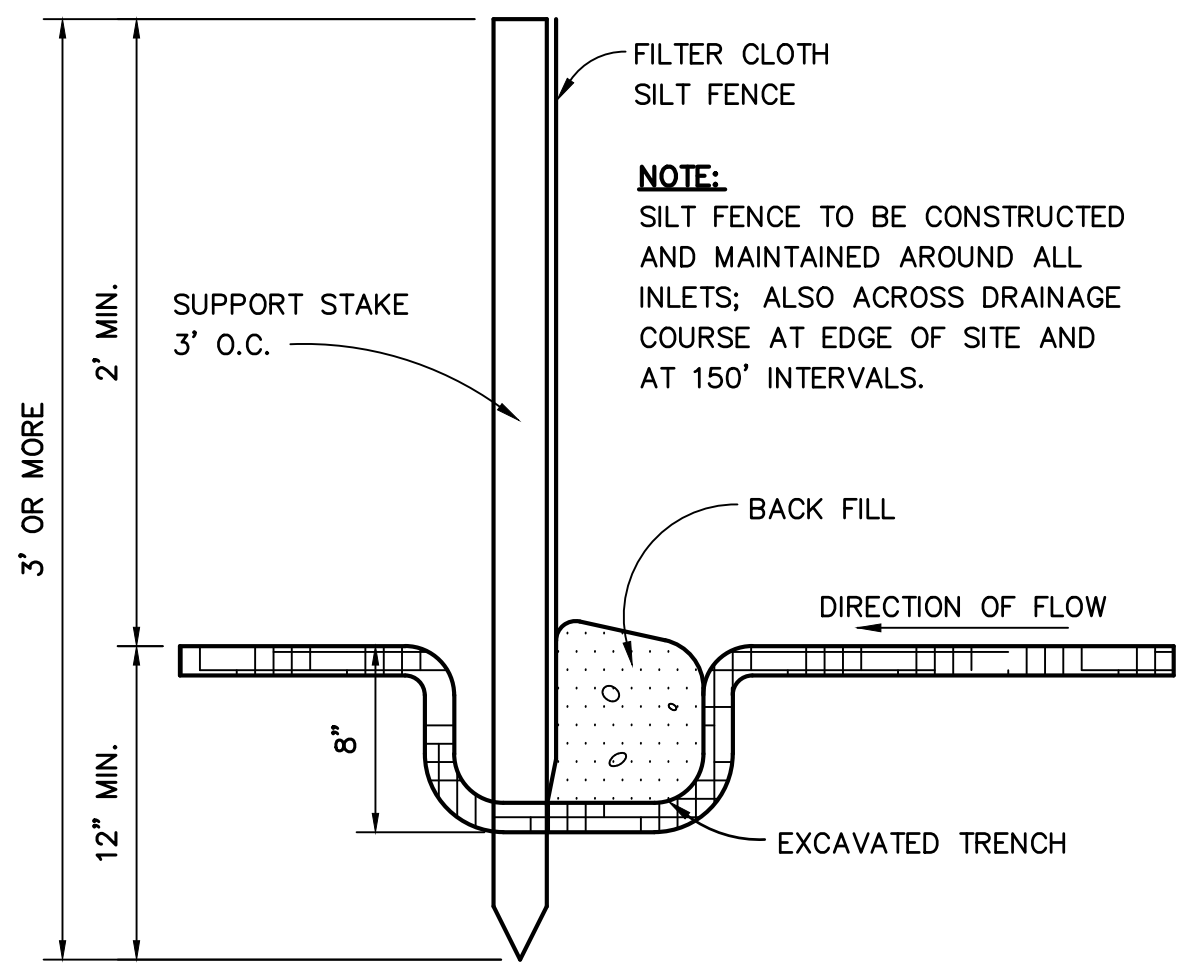
TYPICAL PAVEMENT SECTION
N.T.S.

NOTES:

- CONTRACTOR SHALL SUBMIT ELECTRONIC SURVEY DATA FOR THE FOLLOWING:
FINAL SURFACE COURSE = 2" (FDOT 334 WITH 76-22 BINDER)
FINAL BASE COURSE
FINAL SUBGRADE COURSE



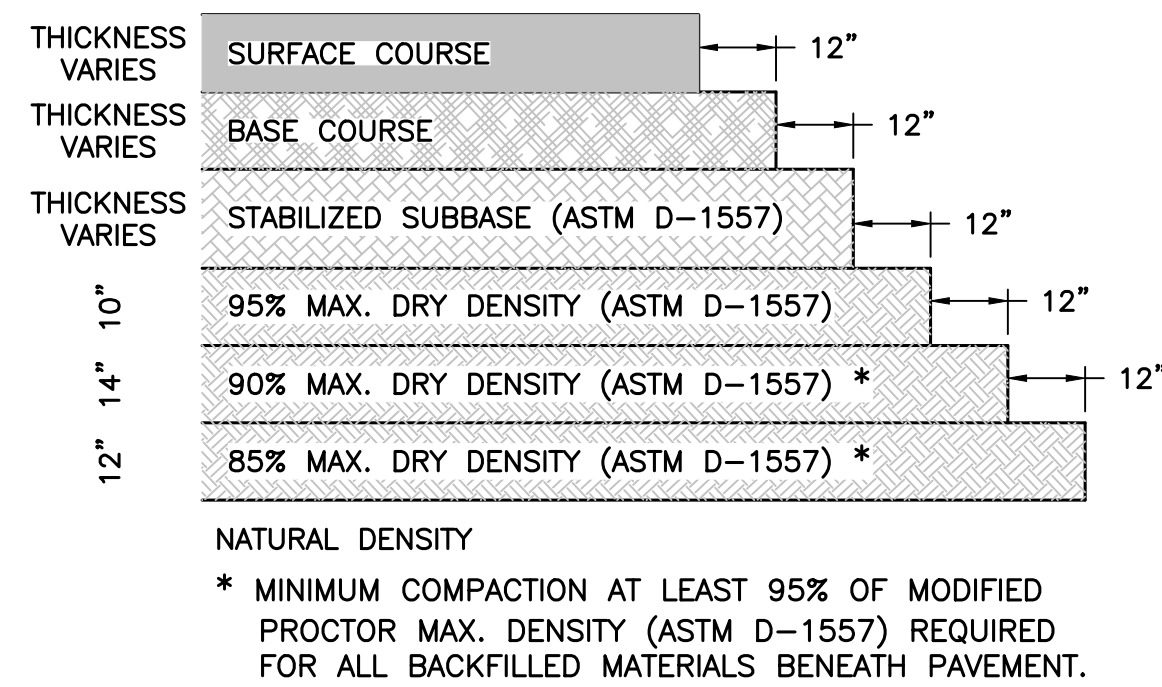
ASPHALT / ASPHALT PAVEMENT BUTT JOINT DETAIL
N.T.S.



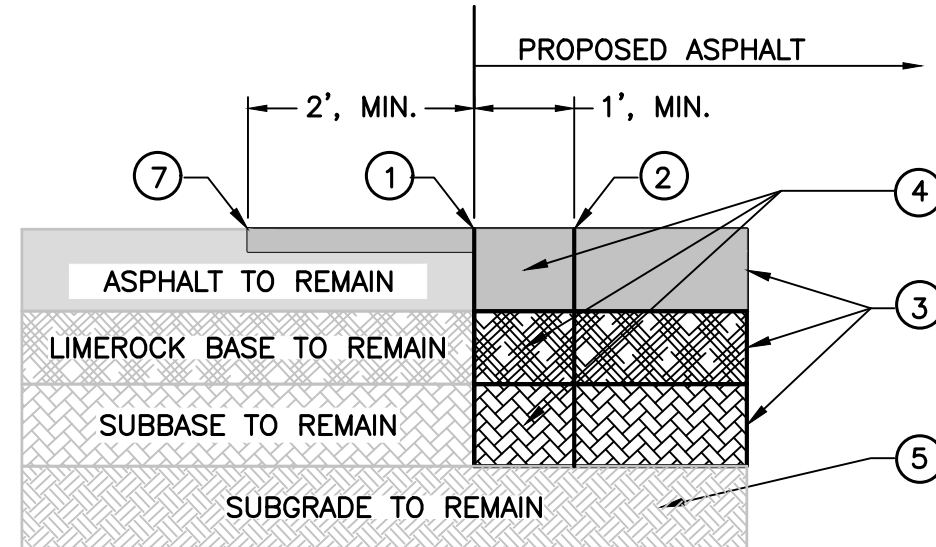
SILT FENCE DETAIL
N.T.S.

EROSION NOTES:

- ALL SILT FENCING SHALL BE INSTALLED AND SPACED ACCORDING TO FDOT STD. SPECIFICATIONS 104-4.
- EROSION PROTECTION, SUCH AS STAKED BALED HAY AND SILT FENCE BARRIERS, MUST BE INSTALLED PRIOR TO START OF CONSTRUCTION.
- SILT FENCE BARRIER SHALL BE INSTALLED AS SHOWN ON PLANS, AND IN ALL AREAS SUBJECT TO SOIL EROSION SEDIMENTATION, SPECIFICALLY ADJACENT TO ALL BODIES OF WATER AND WETLAND AREAS WHERE THERE IS A POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED AT COMPLETION OF THE PROJECT.



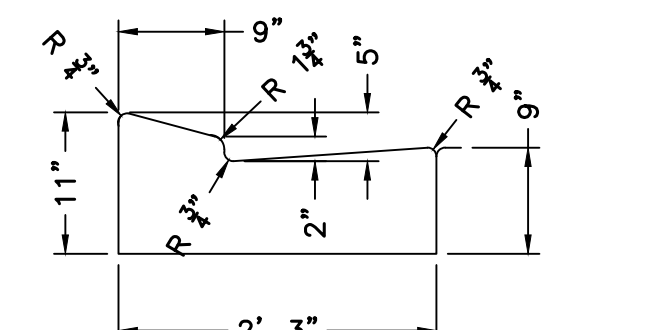
DETAIL B - SUBGRADE COMPACTION
N.T.S.



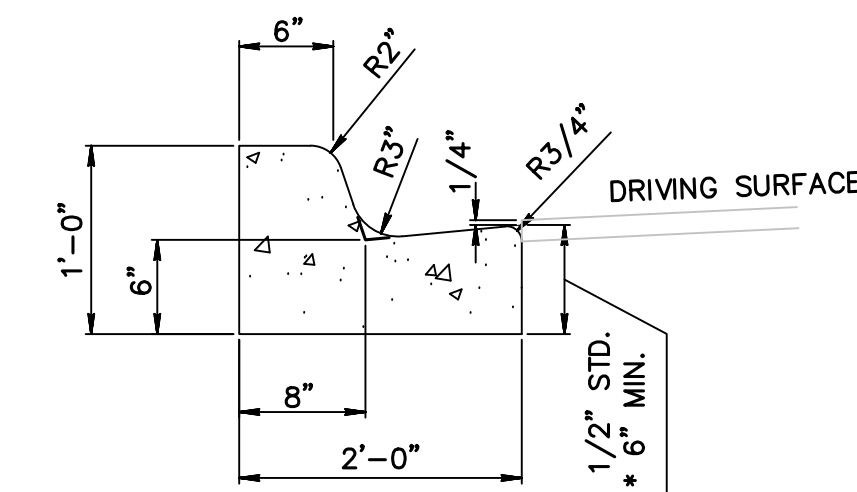
DOUBLE SAW CUT - ASPHALT / ASPHALT DEMOLITION DETAIL
N.T.S.

SEQUENCING OF ASPHALT PAVEMENT DEMOLITION:

- FINAL FOOTPRINT OF NEW ASPHALT. CONTRACTOR SHALL SAW CUT AROUND THE FINAL FOOTPRINT TO THE FULL DEPTH OF THE ASPHALT PAVEMENT STRUCTURE.
- THE CONTRACTOR SHALL THEN OFFSET 1' (ONE FOOT) MINIMUM TO THE INTERIOR SIDES OF THE PROPOSED ASPHALT AND SAW CUT THE FULL DEPTH OF THE ASPHALT PAVEMENT.
- CONTRACTOR SHALL REMOVE ASPHALT PAVEMENT ON THE INTERIOR OF CUT 2, BUT LEAVE REMAINING 1' OF ASPHALT BETWEEN CUTS 1 AND 2 FOR PROTECTION OF ASPHALT TO REMAIN.
- CONTRACTOR MAY THEN REMOVE REMAINING ASPHALT STRIP BY BREAKING IT DOWN INTO SMALLER MORE MANAGEABLE SIZED PIECES FOR REMOVAL.
- REMOVE SUBGRADE MATERIAL SUFFICIENT TO PLACE REQUIRED AMOUNT OF SUBBASE, BASE, AND ASPHALT PER PLAN. COMPACT SUBGRADE TO 100% OF THE MODIFIED PROCTOR VALUE AT OPTIMUM MOISTURE PER P-152.
- PLACE NEW P-154 SUBBASE & P-209/211 BASE MATERIAL TO THICKNESSES SPECIFIED IN PLANS, COMPACTING EACH TO 100% OF THE MODIFIED PROCTOR VALUE AT OPTIMUM MOISTURE PER P-154 & P-209/211.
- CONTRACTOR SHALL OFFSET 2' (TWO FEET) MINIMUM TO THE EXTERIOR SIDES OF THE PROPOSED ASPHALT AND SAW CUT TO A DEPTH OF 2". THE 2' WIDE STRIP WILL THEN BE MILLED TO A DEPTH OF 2".
- PAVE, FINISHED SURFACES TO MATCH EXISTING ASPHALT GRADES AT ALL COMMON EDGES (SEE GRADING PLANS).

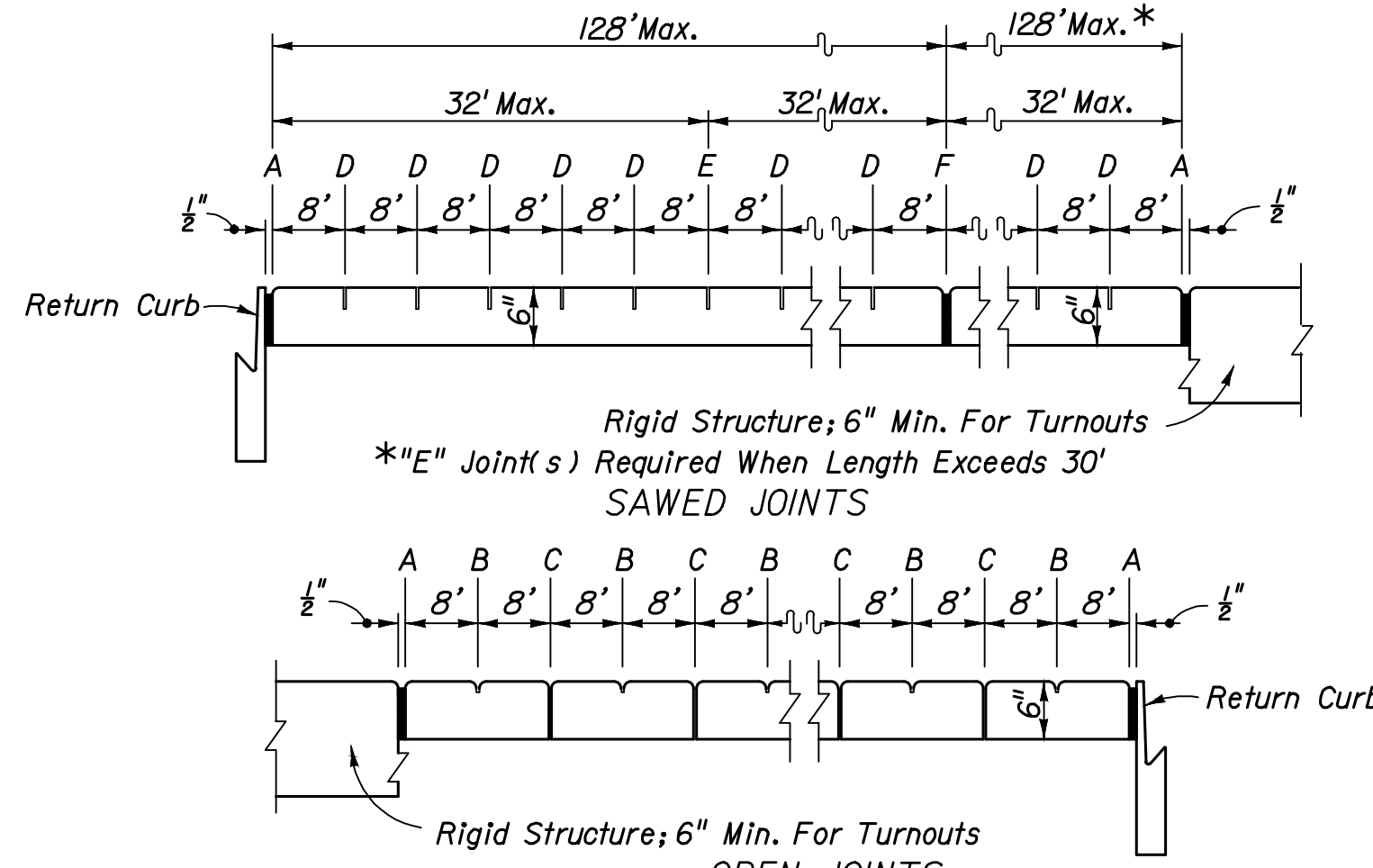


FDOT TYPE "E" CURB DETAIL
N.T.S.



* NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

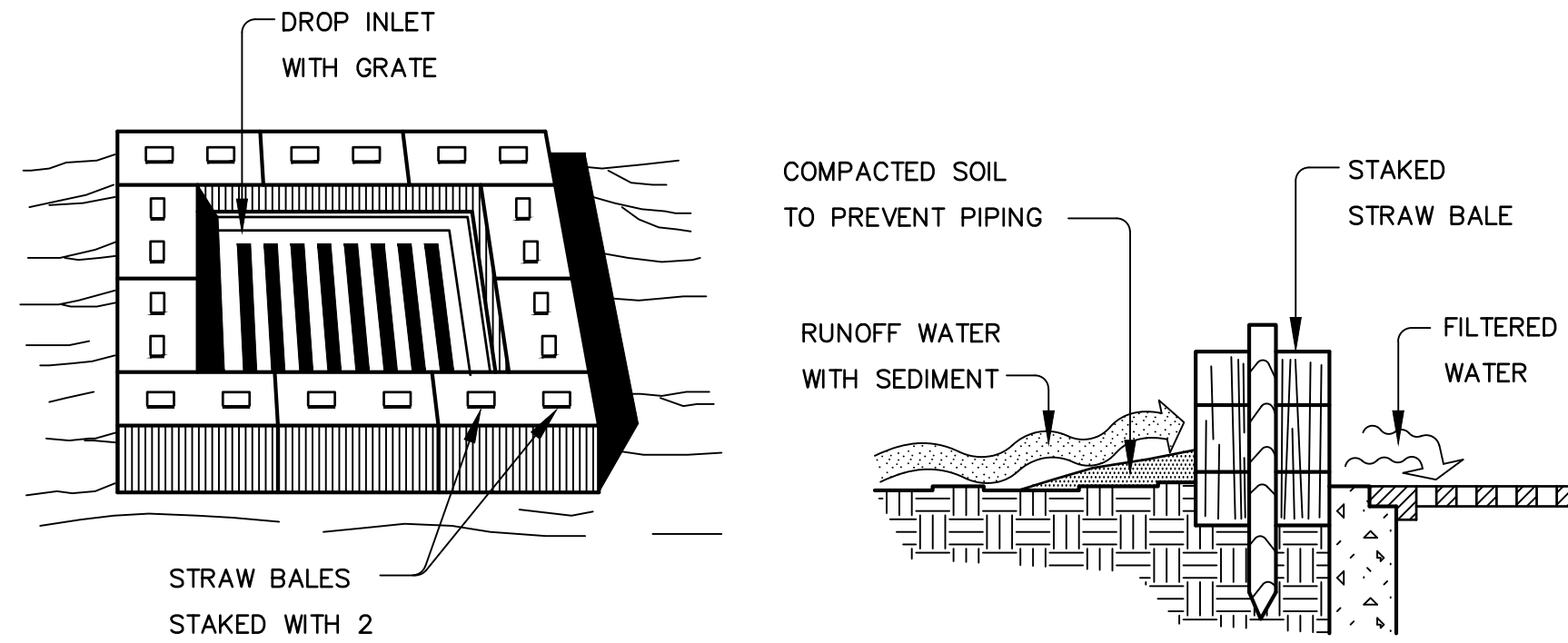
FDOT TYPE "F" CURB DETAIL
N.T.S.



8' CONCRETE SIDEWALK JOINT DETAIL
N.T.S.

JOINT LEGEND

- A- $\frac{1}{2}$ " Expansion Joints (Preformed Joint Filler)
- B- $\frac{1}{4}$ " Dummy Joints, Tooled
- C- $\frac{1}{4}$ " Formed Open Joints
- D- $\frac{3}{8}$ " Saw Cut Joints, $\frac{1}{4}$ " Deep (96 Hour) Max. 5' Centers
- E- $\frac{3}{8}$ " Saw Cut Joints, $\frac{1}{2}$ " Deep (12 Hour) Max. 30' Centers
- F- $\frac{1}{2}$ " Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at loc as directed by the Engineer.
- G- Cold Joint With Bond Breaker, Tooled



STRAW BALE DROP INLET SEDIMENT FILTER
N.T.S.

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.



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AAZ6001957



NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT DOCUMENTS

CLIENT

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI-A:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

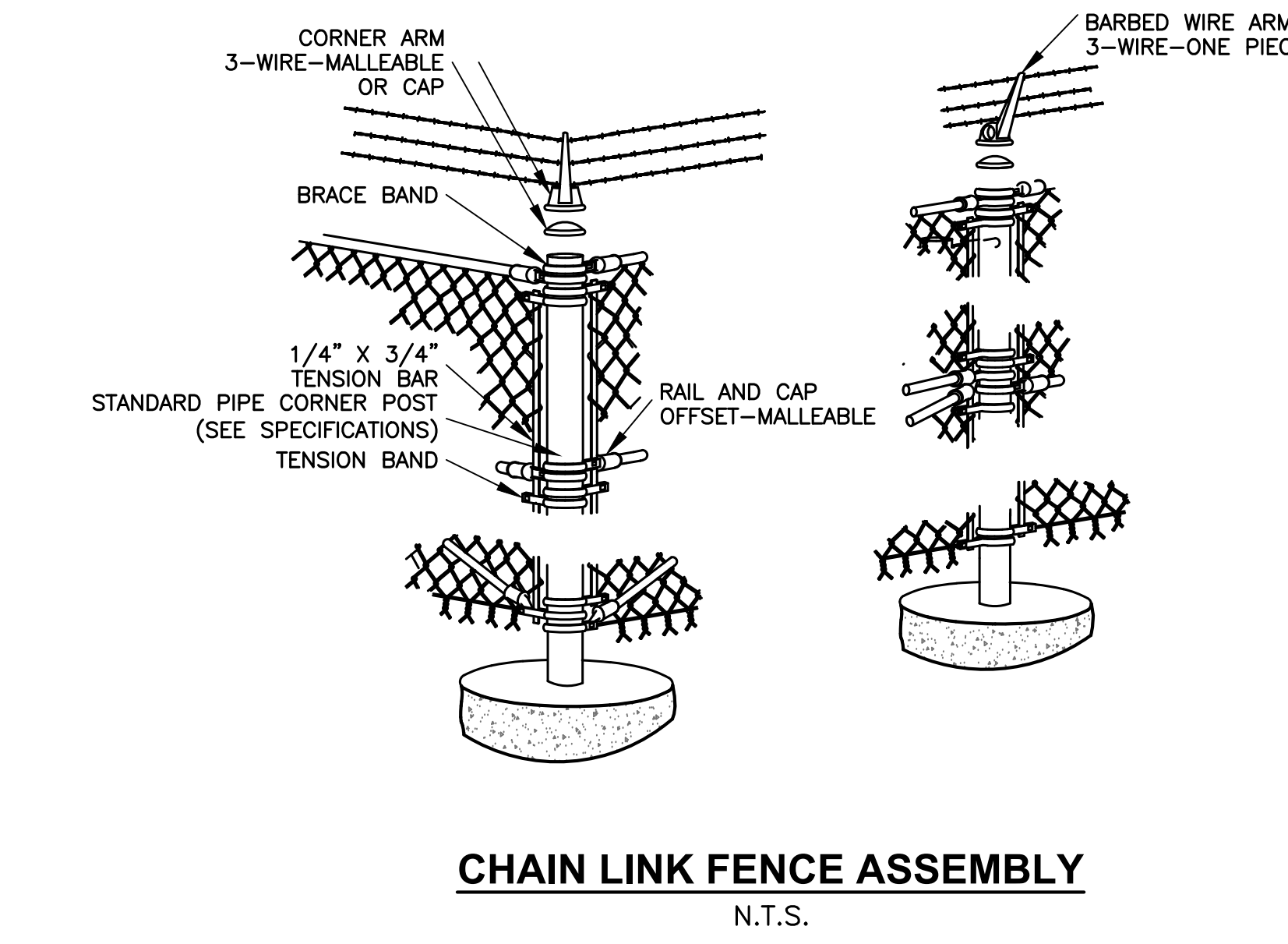
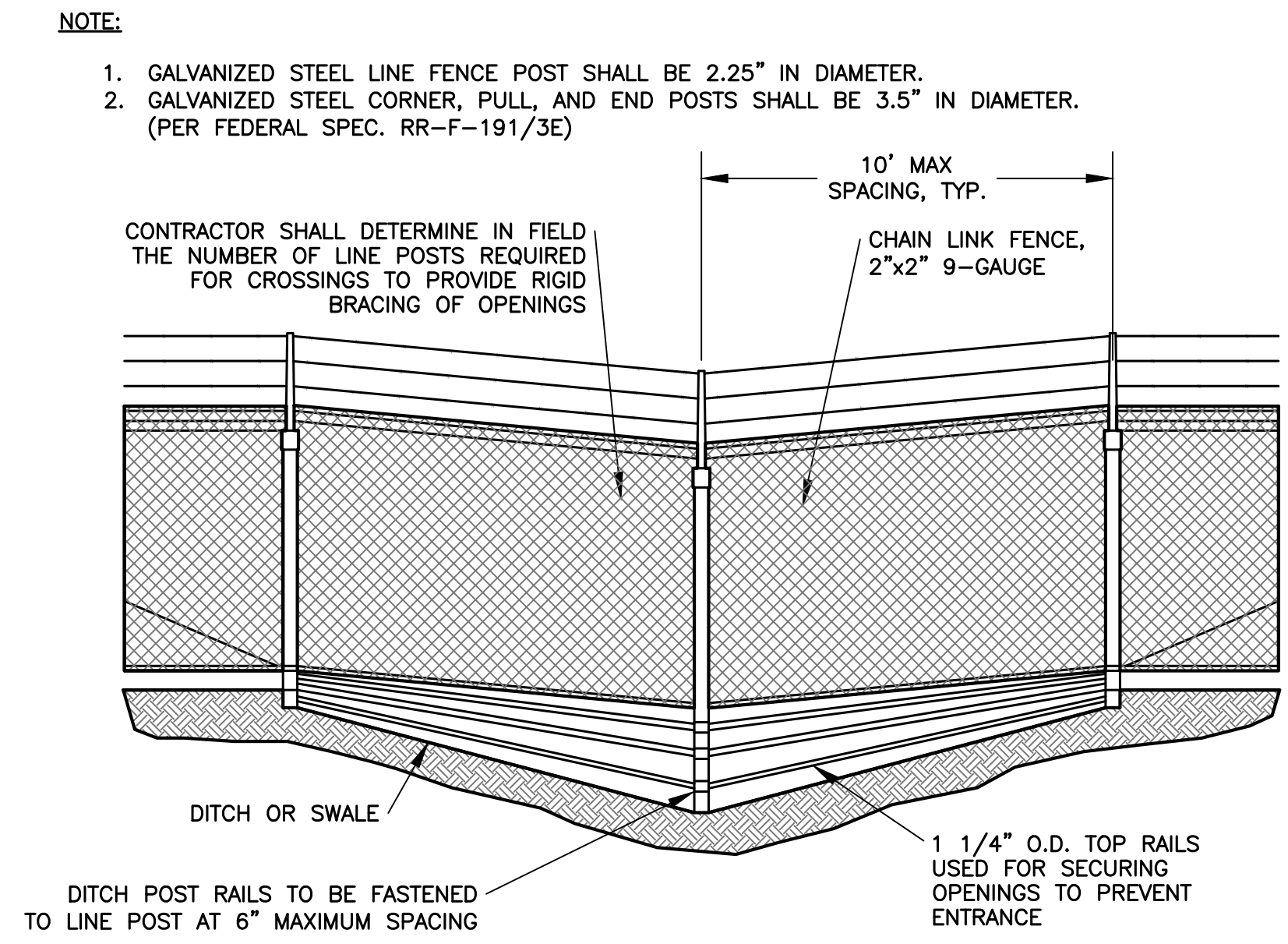
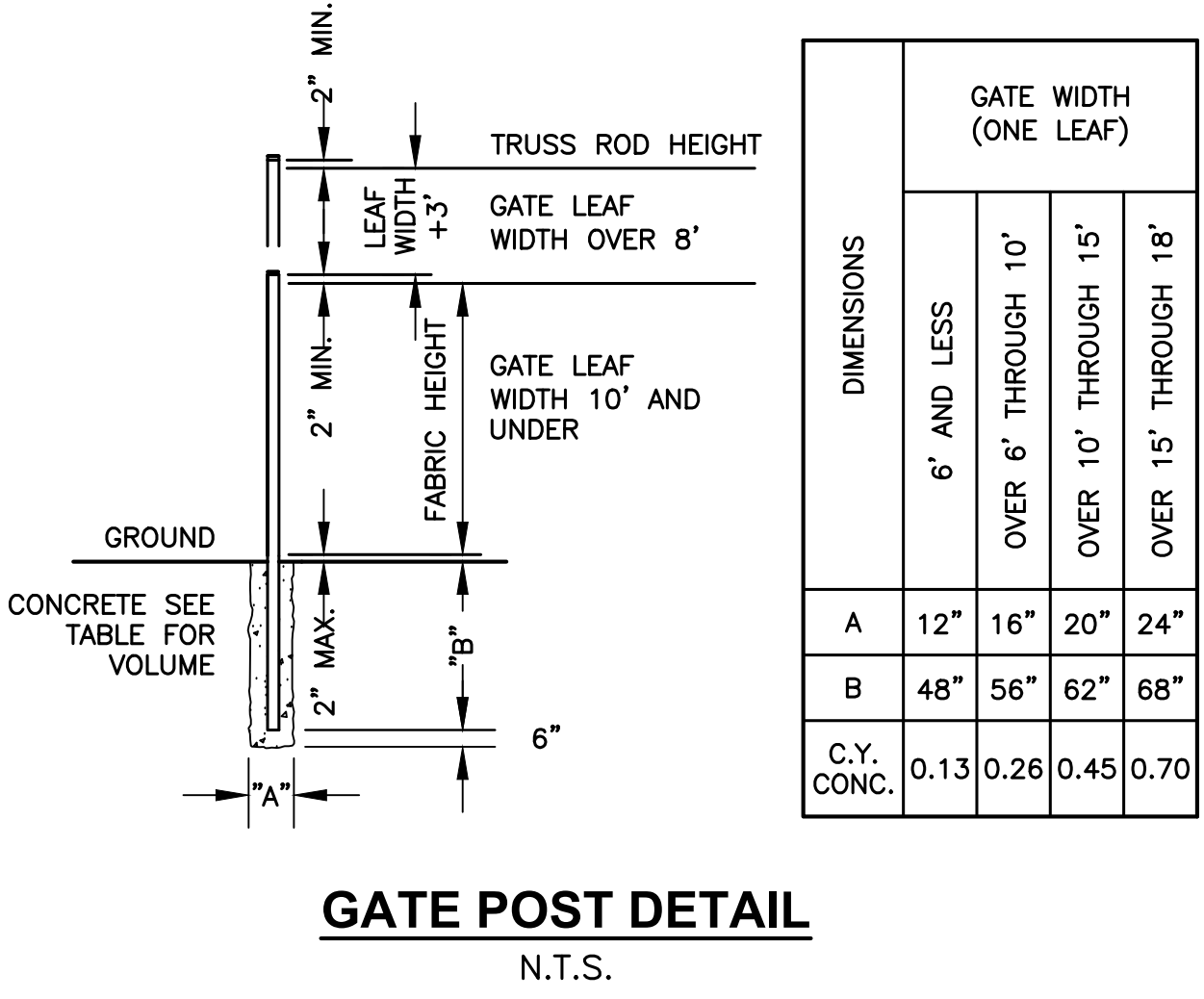
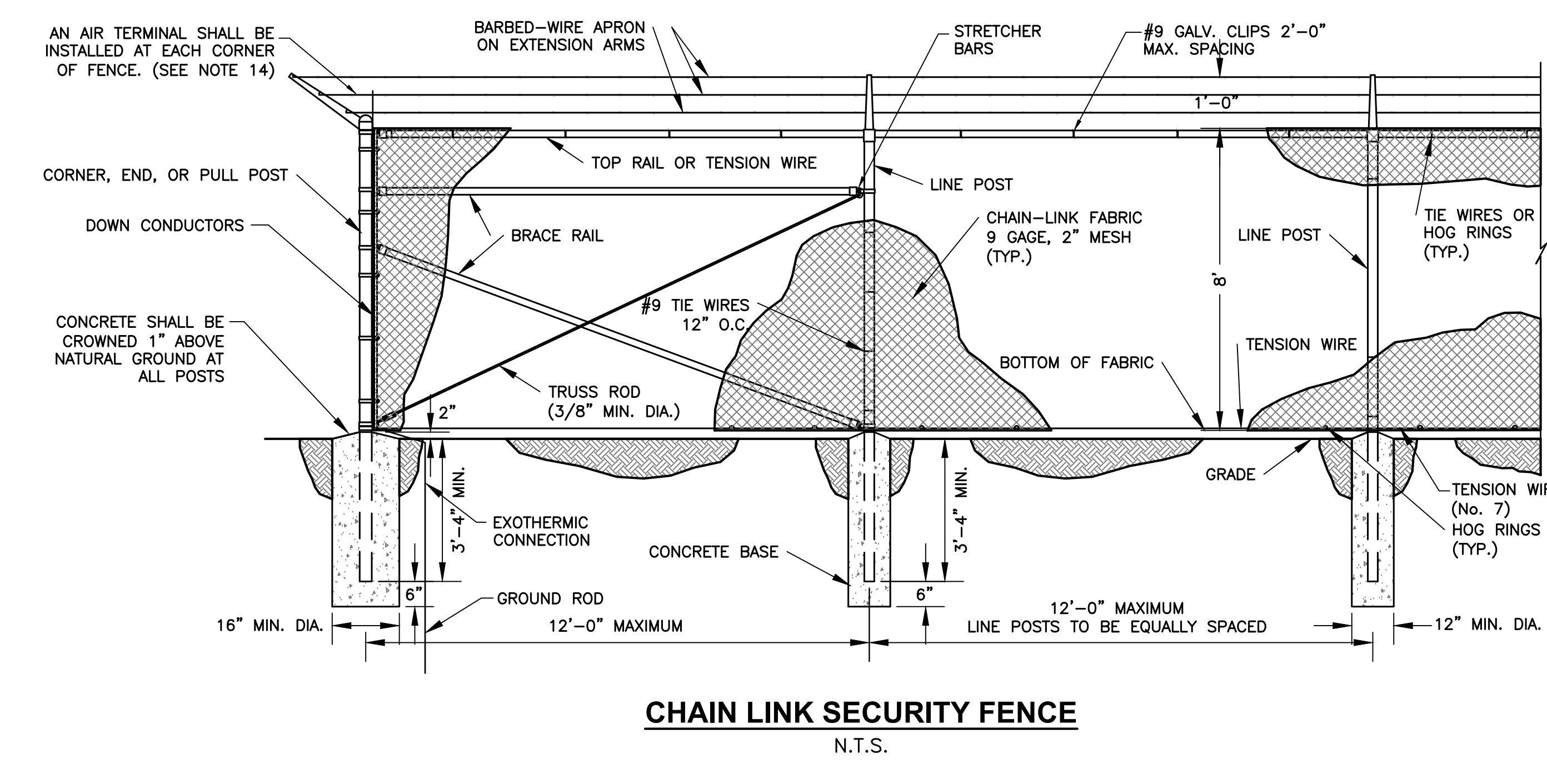
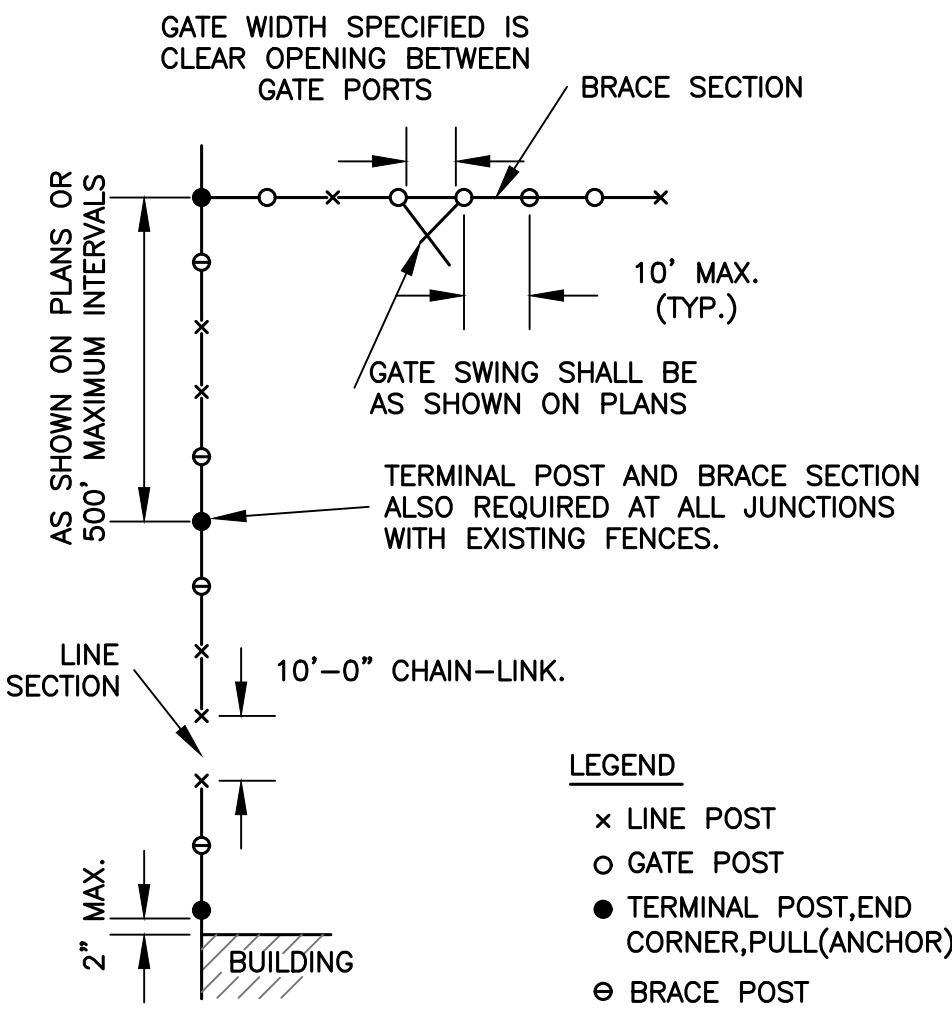
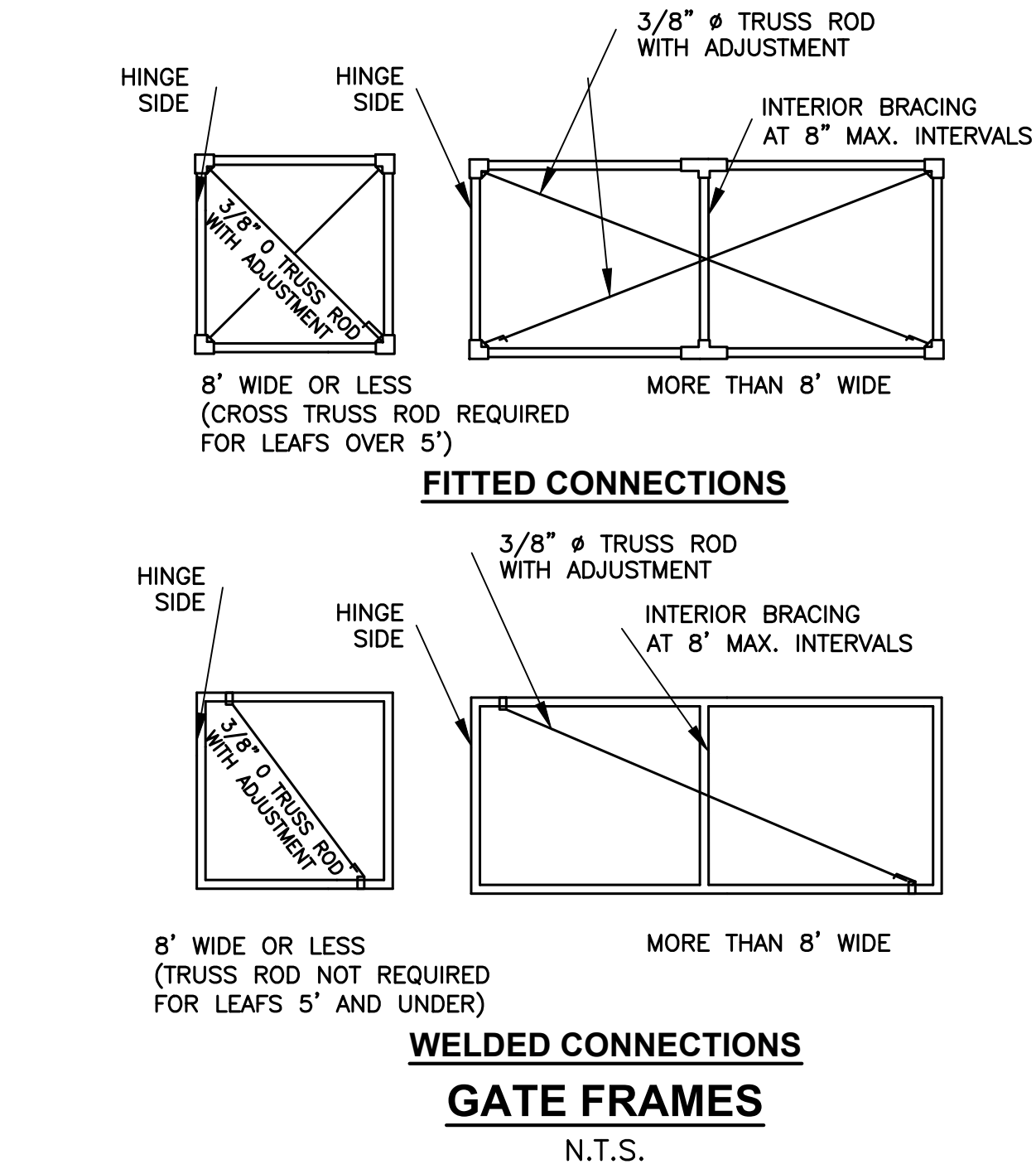
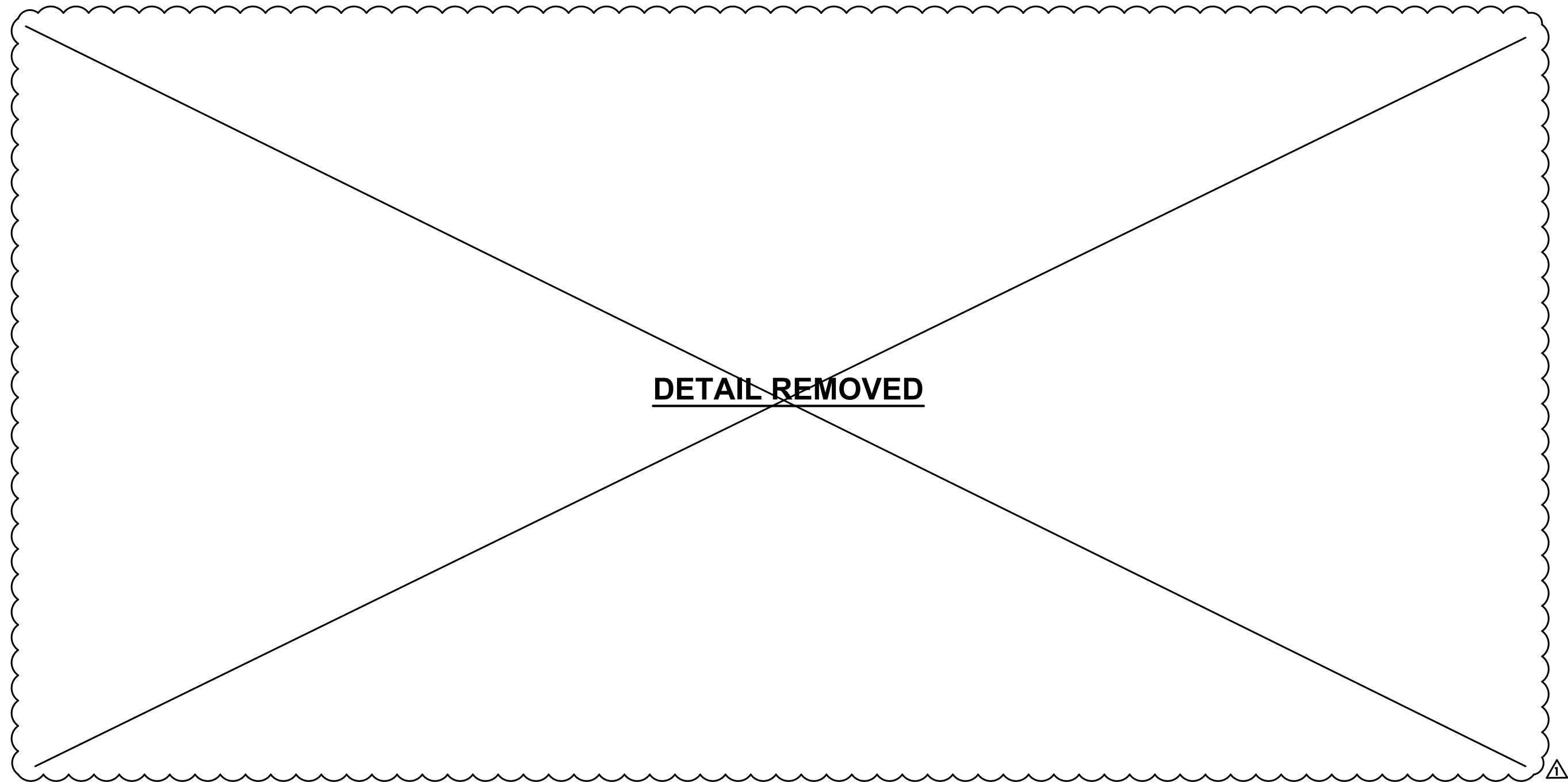
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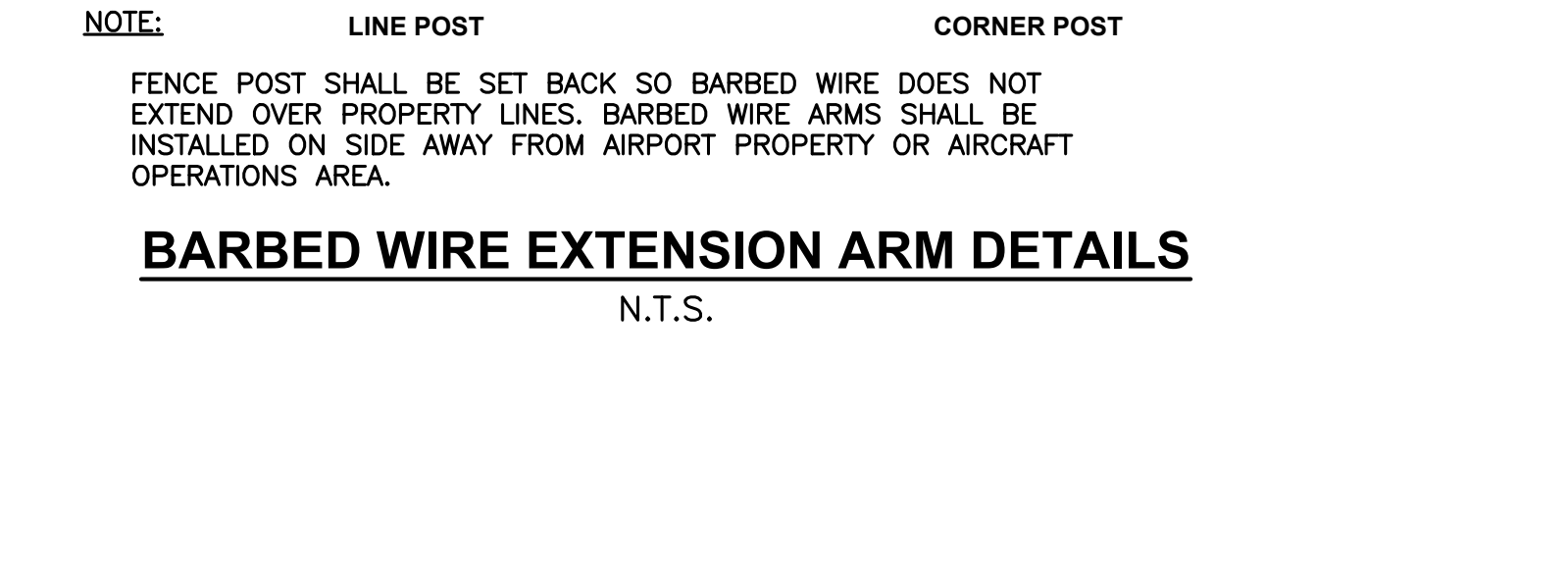
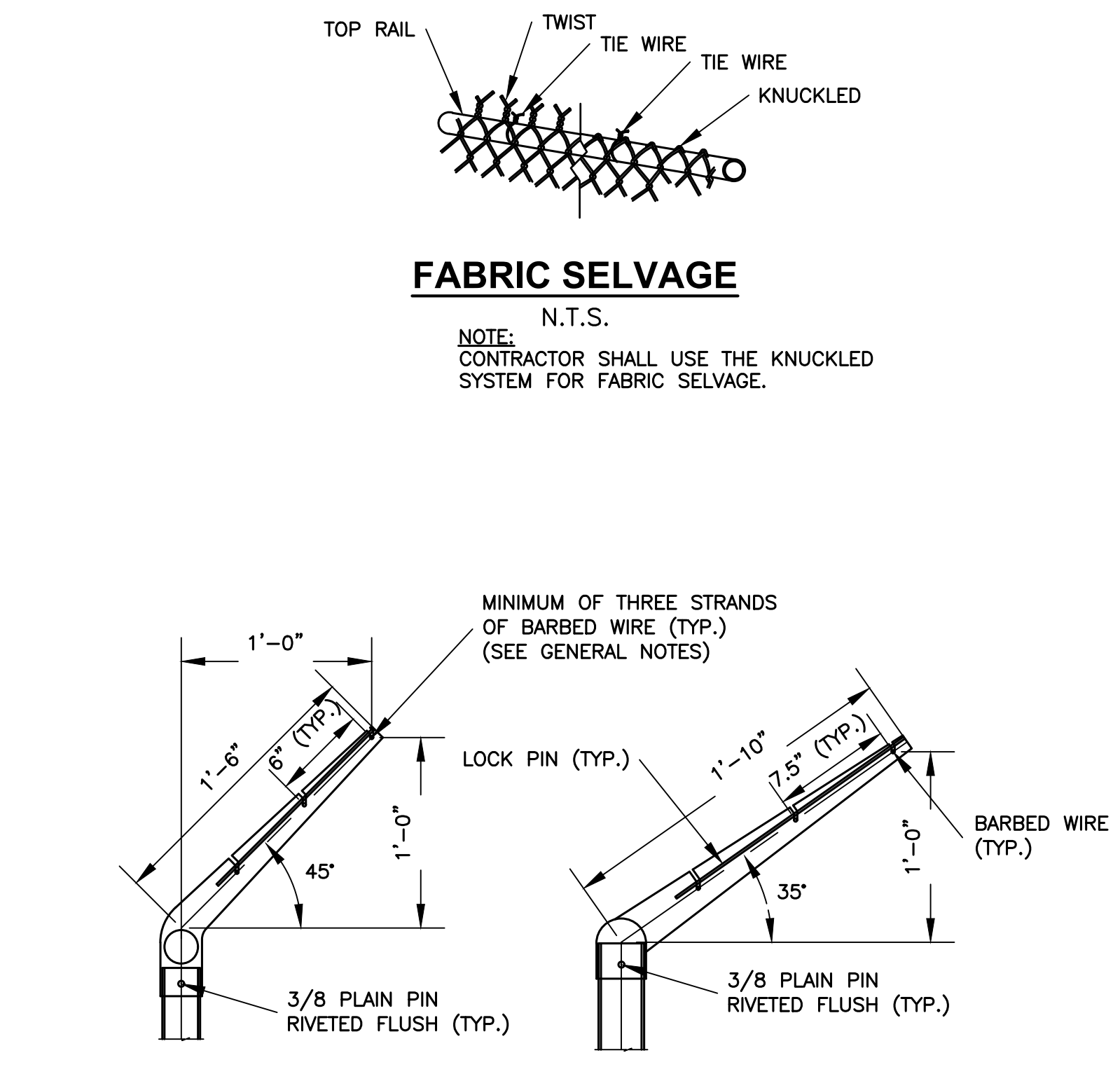
MISCELLANEOUS DETAILS

SHEET NUMBER

C-8



- FENCE NOTES:**
- ALL PIPE FRAMEWORK AND OTHER FERROUS MATERIALS SHALL BE HOT GALVANIZED, UNLESS OTHERWISE NOTED.
 - BOTTOM TENSION WIRE SHALL BE STRETCHED TAUT FROM TERMINAL POST TO TERMINAL POST AND SECURELY FASTENED TO EACH INTERMEDIATE POST 6 INCHES ABOVE GROUND LINE AND TO THE FABRIC CHAIN LINK.
 - PULL POSTS SHALL BE INSTALLED AT 500 FOOT INTERVALS ON STRAIGHT RUNS.
 - GATE POST ASSEMBLIES SHALL CONSIST OF A BRACE POST AND CORNER, END, OR PULL POST WITH BRACE AND TRUSS ROD ON EACH SIDE OF THE GATE.
 - CONNECTIONS TO EXISTING FENCES OR BUILDINGS SHALL BE MADE BY SETTING A NEW ANCHOR POST WITH BRACE ASSEMBLY AT JUNCTION POINT.
 - ALL FENCE AND GATES TO BE GROUNDED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - DIMENSIONS: ALL DIMENSIONS, SIZES, GAUGES, WEIGHTS OR THICKNESS' SHOWN ARE THE MINIMUM ACCEPTABLE, UNLESS OTHERWISE INDICATED.
 - SPECIFICATIONS: MATERIALS AND CONSTRUCTION METHODS NOT DETAILED HEREON SHALL BE IN ACCORDANCE WITH THE FAA SPECIFICATION F-162 UNLESS OTHERWISE NOTED ON THE CONTRACT PLANS. FAA SPECIFICATIONS SHOWN ARE FROM THE FEDERAL AVIATION ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS. THE FEDERAL SPECIFICATION F-162 SHALL BE INTERPRETED TO MEAN THE LATEST ISSUE OR AMENDMENT OF SUCH SPECIFICATION IN EFFECT ON THE DATE OF PLAN APPROVAL.
 - MEASUREMENTS: FENCES ARE MEASURED IN PLACE, FROM CENTER TO CENTER OF END, CORNER OR GATE POSTS. MEASUREMENT DOES NOT INCLUDE GATE OPENINGS. GATES ARE MEASURED IN UNITS FOR EACH TYPE AND SIZE INSTALLED.
 - FABRIC INSTALLATION: WIRE OR FABRIC ON BOUNDARY AND SECURITY FENCES AND GATES SHALL BE ON THE SIDE OF POSTS AWAY FROM AOA.
 - PVC COATING: (NOT APPLICABLE)
 - CONCRETE: CONCRETE SHALL BE OF A COMMERCIAL GRADE WITH A MINIMUM 28 DAY STRENGTH OF 2500 P.S.I. FOOTING TOPS SHALL BE 1-INCH MINIMUM ABOVE GROUND AT ALL THE POSTS, AND TROWEL FINISHED TO SLOPE AWAY FROM THE POST.
 - OPENINGS UNDER FENCE: ANY OPENING UNDER FENCES, WHEREIN THE BOTTOM FENCE WIRE IS MORE THAN 4 INCHES ABOVE GROUND AND THE TOTAL AREA OF OPENING IS 96 SQUARE INCHES OR MORE, SHALL BE CLOSED USING THE DETAIL FOR SPANNING DITCHES OR APPROVED EQUAL. OPENINGS LESS THAN 18 INCHES HIGH SHALL BE CLOSED BY INSTALLING ONE OR MORE ADDITIONAL LINE POSTS BETWEEN THE OPENING CENTER AND ADJACENT LINE POSTS AT A 6-INCH MAXIMUM VERTICAL SPACING. THIS WORK SHALL BE INCIDENTAL TO FENCE INSTALLATION COSTS.
 - GROUNDING AND LIGHTNING PROTECTION, CHAIN LINK FENCE ONLY: EACH GATE LEAF FRAME SHALL BE CONNECTED TO THE GATE POST BY A BRAIDED, FLEXIBLE COPPER STRAP. EACH GATE POST SHALL BE GROUNDED. GROUND RODS SHALL BE PER SECTION F-162. GROUND CABLE SHALL BE NO. 2 AWG COPPER MINIMUM BARE STRANDED COPPER WIRE. CONNECTIONS TO GATE, FENCE, ETC. ABOVE GROUND SHALL BE MADE WITH SUITABLE NON-CORROSIVE METAL CLAMPS, LUGS OR CONNECTORS. CONNECTIONS TO GROUND RODS SHALL BE MADE BY THE EXOTHERMIC PROCESS. EACH ELEMENT OF THE FENCE SHALL BE GROUNDED. INSTALL GROUND RODS AND BONDING CONDUCTORS IN ACCORDANCE WITH F-162.
 - FENCE LINE AND ALIGNMENT: FENCE LINES SHALL BE CLEARED OF ALL OBSTRUCTIONS AND SMOOTH GRADED TO THE GENERAL CONTOUR OF THE ADJACENT GROUND. STUMPS AND ROOTS NOT INTERFERING WITH FENCE CONSTRUCTION, MAY BE CHIPPED TO GROUND LEVEL. THE FENCE SHALL BE CONSTRUCTED PLUMB STRAIGHT AND TRUE TO LINE. THE LONGITUDINAL GRADIENT SHALL PARALLEL TO THE GENERAL SLOPE OF THE GROUND. CONTRACTOR SHALL LAY OUT THE FENCE ALIGNMENT AS SHOWN ON THE CONSTRUCTION PLANS. THE ENGINEER SHALL APPROVE THE ALIGNMENT, LINE AND GRADE OF THE FENCE AND THE GATE LOCATION(S) PRIOR TO CONSTRUCTION.
 - AIRPORT SECURITY FENCES AND GATES SHALL INCLUDE BARB WIRE ATTACHMENT. BARB WIRE ATTACHMENTS SHALL EXTEND IN THE DIRECTION AWAY FROM THE AIRFIELD.
 - THE CAP ARM SHALL BE DESIGNED TO PROVIDE A DRIVE FIT OVER THE TOP OF POSTS AND TO EXCLUDE MOISTURE IN POSTS WITH TUBULAR SECTIONS.
 - GATES SHALL BE INSTALLED PLUMB, LEVEL, AND SECURE, WITH FULL OPENING WITHOUT INTERFERENCE. GROUND-SET ITEMS SHALL BE INSTALLED IN CONCRETE FOR ANCHORAGE. HARDWARE SHALL BE ADJUSTED FOR SMOOTH OPERATION.
 - PERIMETER GATE FRAMES SHALL BE FABRICATED OF TUBULAR MEMBERS. ADDITIONAL HORIZONTAL AND VERTICAL MEMBERS SHALL BE PROVIDED AS REQUIRED TO ENSURE PROPER GATE OPERATION AND FOR ATTACHMENT OF FABRIC AND HARDWARE. SIZES OF FRAME MEMBERS LISTED ARE MINIMUM; LARGER SIZES SHALL BE PROVIDED AS REQUIRED.
 - GATE FRAME ASSEMBLY SHALL BE WELDED OR ASSEMBLED WITH SPECIAL MALLEABLE OR PRESSED STEEL FITTINGS AND RIVETS TO PROVIDE RIGID CONNECTIONS. FABRIC SHALL BE INSTALLED WITH STRETCHER BARS AT VERTICAL EDGES. STRETCHER BARS MAY ALSO BE USED AT THE TOP AND BOTTOM EDGES. STRETCHER BARS AND FABRIC SHALL BE ATTACHED TO GATE FRAMES ON ALL SIDES AT INTERVALS NOT EXCEEDING 15 INCHES. HARDWARE SHALL BE ATTACHED WITH RIVETS OR BY OTHER MEANS THAT WILL PROVIDE EQUAL SECURITY AGAINST BREAKAGE OR REMOVAL.
 - WHERE BARBED WIRE IS INDICATED ABOVE GATES, THE END MEMBERS OF GATE FRAMES SHALL BE EXTENDED APPROXIMATELY ONE FOOT ABOVE THE TOP MEMBER WITH PROVISION FOR ATTACHING THE WIRE. VERTICAL SUPPORT ARMS SHALL BE PROVIDED AT INTERMEDIATE POINTS, WITH SPACING TO MATCH THE SPACING OF THE LINE POSTS.
 - DIAGONAL CROSS-BRACING SHALL BE PROVIDED, CONSISTING OF 3/8 INCH DIAMETER ADJUSTABLE LENGTH TRUSS RODS ON WELDED GATE FRAMES WHERE NECESSARY TO OBTAIN FRAME RIGIDITY WITHOUT SAG OR TWIST. NON-WELDED GATE FRAMES SHALL HAVE DIAGONAL BRACING.



FITZGERALD COLLABORATIVE

ATLANTA
1201 W. PEACHTREE ST, SUITE 630
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TALLAHASSEE
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FITZGERALD COLLABORATIVE GROUP, LLC.
AAZ6001957

DAG **AVCON**

ARCHITECTS

ZHA

KEYWORD

NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

CLIENT

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT

PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

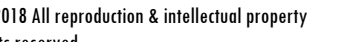
05.10.2022

DRAWING TITLE

FENCE DETAILS

SHEET NUMBER

C-9



LANTA
01 W. PEACHTREE ST, SUITE 630
LANTA, GA 30309

GERALD COLLABORATIVE GROUP, LLC.
26001957





NORTHWEST FLORIDA
BEACHES INTERNATIONAL AIRPORT

PROJECT TITLE

NAMA CITY AIRPORT NWFBIA:

00 WEST BAY PKWY,
NAMA CITY, FL 32409

PROJECT NUMBER

210211

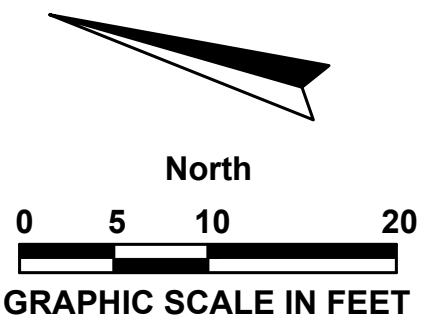
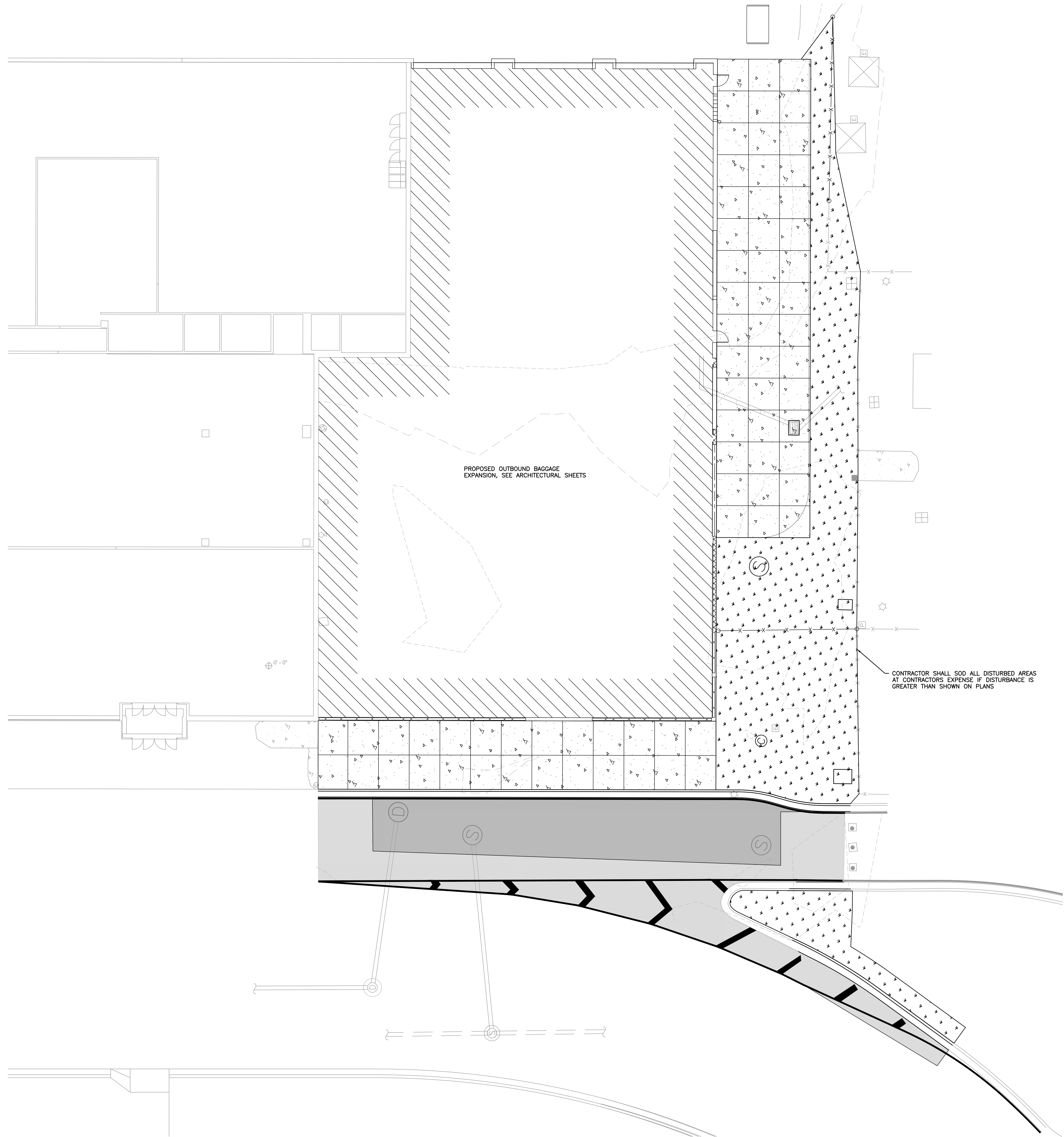
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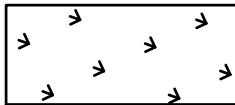
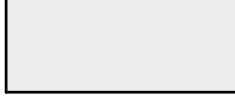


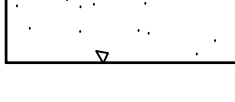


MOVING TITLE

T NUMBER: _____

C-10



LEGEND

	SOD
	PROPOSED 1" MILL-AND-OVERLAY
	FULL DEPTH ASPHALT REPAIR/REPLACEMENT
	PROPOSED OUTBOUND BAGGAGE EXPANSION
	PROPOSED CONCRETE SIDEWALK
	PROPOSED FENCE REALIGNMENT
	EXISTING CONDITIONS

GENERAL NOTES:

- SOD SHALL BE CERTIFIED TO BE FREE OF MILLET SEED AND NOXIOUS WEEDS BY THE FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY.
- ALL DISTURBED AREAS SHALL BE SODDED; IF AREAS TO BE SODDED ARE OUTSIDE OF THE LIMITS SHOWN ON THIS SHEET, THIS SODDING SHALL BE AT THE CONTRACTORS EXPENSE.
- SOD FOR RESTORATION PURPOSES TO BE BAHIA ARGENTINA.
- CONTRACTOR IS RESPONSIBLE FOR MINIMIZING AND REPAIRING EROSION DURING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PROTECTING NEW SOD FROM EROSION UNTIL THE SOD IS FULLY ESTABLISHED.
- CONTRACTOR SHALL WATER SOD REGULARLY TO ENSURE SOD BECOMES ESTABLISHED. PAYMENT FOR SOD SHALL NOT BE PROVIDED UNTIL A HEALTHY STAND OF SOD IS ESTABLISHED.

CONTRACTOR SHALL SOD ALL DISTURBED AREAS
AT CONTRACTORS EXPENSE IF DISTURBANCE IS
GREATER THAN SHOWN ON PLANS

PROPOSED OUTBOUND BAGGAGE
EXPANSION, SEE ARCHITECTURAL SHEETS

STRUCTURAL GENERAL NOTES

MISCELLANEOUS

1. THESE ABBREVIATED DRAWING NOTES ARE WRITTEN TO MATCH THE BOOK SPECIFICATIONS. IF THERE ARE ANY ITEMS THAT DO NOT CORRESPOND EXACTLY AS WRITTEN, THE MORE STRINGENT WILL TAKE PRECEDENCE.
2. THE STRUCTURAL SYSTEM IS UNSTABLE UNTIL ALL CONNECTIONS HAVE BEEN MADE AND ALL CONCRETE HAS REACHED ITS MINIMUM DESIGN STRENGTH, AS SHOWN IN THE STRUCTURAL DOCUMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE BUILDING UNTIL STRUCTURAL SYSTEM IS COMPLETED. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

4. CONTRACTOR TO SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION.

5. APPLICABLE BUILDING CODE: 7TH EDITION (2020) FLORIDA BUILDING CODE.

6. GRAVITY DESIGN LOADS:

AREA	SUPERIMPOSED LIVE LOAD	TOTAL DEAD LOAD
ROOF	20 PSF	25 PSF

7. WIND DESIGN CRITERIA:
ULTIMATE WIND SPEED: $V_{ult} = 143$ MPH (3 SECOND GUST)
EQUIVALENT NOMINAL BASIC WIND SPEED $V_{50} = 111$ MPH (3 SECOND GUST)
RISK CATEGORY = III
EXPOSURE CATEGORY = D
ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT, $C_{pi} = +/-0.18$
WIND BORNE DEBRIS REGION

8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.

9. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.

10. CONTACT ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON DRAWINGS.
11. BUILDING EXPANSION JOINTS (E.J.), WHERE SHOWN, WILL EXPAND AND CONTRACT OVER THE LIFE OF THE BUILDING. JOINT SEALANTS AND COVERS MUST ACCOMMODATE THIS MOVEMENT.

12. SECTIONS AND DETAILS ARE REFERENCED IN TYPICAL LOCATIONS BUT ALSO APPLY TO ALL OTHER SIMILAR CONDITIONS.

13. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

14. SUBMIT SHOP DRAWINGS AS REQUIRED HEREIN, ALLOW FOR TWO WEEKS REVIEW TIME AFTER RECEIPT OF SUBMITTALS BY THIS FIRM. ALL SUBMITTALS SHALL BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR AND SIGNED/SEALED BY THE DELEGATED ENGINEER, WHERE SPECIFIED HEREIN.

15. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW THEREOF.

16. ANY CHANGES TO THE STRUCTURE SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.

17. CONTRACTOR SHALL NOTIFY THIS OFFICE WHEN THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETED, AND BEFORE SHEATHING, CEILINGS, OR ROOFING IS INSTALLED.

GLAZED CURTAIN WALL, STOREFRONT, WINDOW AND DOOR SYSTEMS

1. EXTERIOR GLAZED OPENINGS SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRINCIPLES AND GOVERNING CODES.

2. THIS BUILDING HAS BEEN DESIGNED AS "ENCLOSED". REFER TO THE STRUCTURAL DRAWINGS FOR COMPONENTS AND CLADDING MINIMUM DESIGN WIND PRESSURES.

3. IF THIS SITE IS LOCATED WITHIN A WIND BORNE DEBRIS REGION, AS SHOWN IN FIGURE 1609 OF THE FLORIDA BUILDING CODE, ALL EXTERIOR GLAZED OPENINGS SHALL BE DESIGNED AND TESTED FOR MISSILE IMPACT OR PROTECTED BY APPROVED SCREENS OR SHUTTERS.

4. A LICENSED PROFESSIONAL ENGINEER SHALL DESIGN THE EXTERIOR GLAZED SYSTEMS, SHOP DRAWINGS, AND OVERSEE ANY LOAD TESTING.

5. SIGNED AND SEALED SHOP DRAWINGS, NOTICE OF ACCEPTANCE (NOA), OR FLORIDA PRODUCT APPROVAL DOCUMENTATION SHALL BE SUBMITTED IN ACCORDANCE WITH THE ARCHITECT'S REQUIREMENTS.

DELEGATED ENGINEER

1. WHERE NOTED HEREIN, A LICENSED PROFESSIONAL (DELEGATED) ENGINEER SHALL BE RETAINED TO DESIGN THE PRODUCT OR ASSEMBLY.

2. THE DELEGATED ENGINEER SHALL BE EXPERIENCED IN THE DESIGN OF THE REFERENCED PRODUCT OR ASSEMBLY.

3. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.

4. IT IS THE DELEGATED ENGINEER'S RESPONSIBILITY TO REVIEW THE ENGINEER OF RECORD'S WRITTEN ENGINEERING REQUIREMENTS AND AUTHORIZATION FOR THE DELEGATED ENGINEERING DOCUMENT TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.

5. THE DELEGATED ENGINEERING DOCUMENT SHALL COMPLY WITH THE WRITTEN ENGINEERING REQUIREMENTS RECEIVED FROM THE ENGINEER OF RECORD. THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE CRITERIA USED AS A BASIS FOR ITS PREPARATION. IF A DELEGATED ENGINEER DETERMINES THERE ARE DETAILS, FEATURES, OR UNANTICIPATED PROJECT LIMITS WHICH CONFLICT WITH THE WRITTEN ENGINEERING REQUIREMENTS PROVIDED BY THE ENGINEER OF RECORD, THE DELEGATED ENGINEER SHALL TIMELY CONTACT THE ENGINEER OF RECORD FOR RESOLUTION OF CONFLICTS.

6. THE DELEGATED ENGINEER SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE ENGINEER OF RECORD FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AND INCLUDE:
A) DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
B) CALCULATIONS.

EXISTING BUILDINGS

INFORMATION ON THE EXISTING BUILDING, SHOWN ON THESE PLANS, IS OBTAINED FROM EXISTING BUILDING PLANS BY HNTB ARCHITECTURE & PBS & J DATED MAY 22, 2008 & DECEMBER 5, 2008 "ISSUED FOR CONSTRUCTION". EXISTING INFORMATION DOES NOT NECESSARILY REFLECT "AS-BUILT" CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THESE PLANS AND NOTIFY THE ENGINEER OF ANY VARIATION.

SITE WORK

1. A SUBSURFACE INVESTIGATION HAS BEEN COMPLETED AT THE PROJECT SITE BY NOVA. SOIL BORING LOGS AND SITE PREPARATION PROCEDURES ARE INCLUDED IN THE PROJECT SOILS REPORT 10111-2021210, DATED OCTOBER 8, 2021, WHICH IS AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS.

2. SITE WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SOILS REPORT.

3. CONTRACTOR SHALL REVIEW THE SOILS REPORT AND VERIFY THAT TEST BORINGS HAVE BEEN DONE UNDER ALL BUILDING(S) PRIOR TO BEGINNING EARTHWORK.

4. INFORMATION FROM GEOTECHNICAL REPORT:

- A) DESIGN SOIL BEARING PRESSURE = 2,000 PSF.
B) ESTIMATED MAXIMUM SETTLEMENT = 1 INCH.
C) ESTIMATED DIFFERENTIAL SETTLEMENT = $\frac{1}{4}$ INCHES.

5. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING MINIMUM TESTS. REFER TO SOILS REPORT FOR ANY ADDITIONAL TESTING.

- A) ONE DENSITY TEST FOR EACH 2,000 SQUARE FEET OF COMPACTED SUBGRADE AND COMPACTED FILL.
B) ONE DENSITY TEST AT EACH COLUMN FOOTING.
C) ONE DENSITY TEST PER 50 FEET OF WALL FOOTING.

6. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.

7. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.

8. THE SIDES OF FOOTINGS MAY BE EARTH-FORMED IF THE EXCAVATION CAN BE KEPT VERTICAL, CLEAN, AND STABLE, OTHERWISE, PLYWOOD FORMS MUST BE USED.

9. EXERCISE CARE WHEN COMPACTING NEAR ADJACENT STRUCTURES. FOLLOW THE RECOMMENDATIONS IN THE SOILS REPORT AND DOCUMENT EXISTING CONDITIONS WITH PHOTOGRAPHS PRIOR TO STARTING WORK.

10. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITY LINES, TANKS, ETC. WITHIN THE CONSTRUCTION AREA AND RELOCATE THEM AS DIRECTED BY THE CIVIL ENGINEER.

CAST IN PLACE CONCRETE

1. ALL CAST-IN-PLACE CONCRETE WORK INCLUDES REINFORCING STEEL AND RELATED WORK SHOWN INCLUDING FORMWORK, SETTING ANCHOR BOLTS, PLATES, FRAMES, DOWELS FOR MASONRY OR OTHER ITEMS EMBEDDED IN CONCRETE.

2. APPLICABLE STANDARDS

ACI NUMBER	TITLE
117	STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION
226	GROUND GRANULATED BLAST-FURNACE SLAG
301	STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
302	GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION
304-2R	GUIDE FOR MEASURING MIXING, TRANSPORTING AND PLACING CONCRETE
305R	PLACING CONCRETE BY PUMPING METHODS.
305R	HOT WEATHER CONCRETING
306R	COLD WEATHER CONCRETING
308	STANDARD PRACTICE FOR CURING CONCRETE
309R	GUIDE FOR CONSOLIDATION OF CONCRETE
315	MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES
318	BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
347	RECOMMENDED PRACTICE FOR CONCRETE FORMWORK

CRSI NUMBER	TITLE
63	RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS

3. CONCRETE MATERIALS

- A) PORTLAND CEMENT – ASTM C 150, TYPE I
B) AGGREGATES – NORMAL WEIGHT CONCRETE, COARSE AND FINE, ASTM C33. STRUCTURAL LIGHT WEIGHT AGGREGATE ASTM C330.
C) AIR-ENTRAINING – ASTM C260
D) WATER REDUCING – ASTM C494, TYPE A
E) WATER – FRESH, CLEAN AND POTABLE
F) NO ACCELERATORS, RETARDERS OR ADMIXTURES CONTAINING CHLORIDES WILL BE PERMITTED
G) FLY-ASH – ASTM C618, CLASS F, 20% MAXIMUM OF CEMENTITIOUS MATERIAL BY WEIGHT. DO NOT USE FOR EXPOSED SLABS OR ARCHITECTURAL CONCRETE.
H) SUPER PLASTICIZER – ASTM C494, TYPE F OR G, WHERE AUTHORIZED BY THE ENGINEER.
I) GROUND GRANULATED BLAST-FURNACE SLAG CEMENT – ASTM C989, 50% MAXIMUM BY WEIGHT.
J) MAXIMUM AGGREGATE SIZE – FOOTINGS = #57, OTHERS #67

4. REINFORCING MATERIALS

- A) DEFORMED BARS – ASTM A615, GRADE 60
B) SMOOTH DOWELS – ASTM A615, PLAIN BARS, MINIMUM YIELD STRENGTH OF 60,000 PSI.
C) CORROSION RESISTANT UNCOATED STEEL (MMFX-2) – ASTM A615, GRADE 75 AND ASTM A1035 LOW-CARBON (8% MINIMUM) CHROMIUM BY MMFX OR EQUAL.
D) WELDED WIRE FABRIC – ASTM A1064, PLAIN WIRE FABRIC IN FLAT SHEETS ONLY.
E) ACCESSORIES TO CONFORM TO ACI 315.
F) WHERE CONCRETE SURFACES ARE EXPOSED, MAKE THOSE PORTIONS OF ALL ACCESSORIES IN CONTACT WITH THE CONCRETE SURFACE OR WITHIN 1/2 INCH THEREOF, OF PLASTIC OR STAINLESS STEEL.

5. PROVIDE THE FOLLOWING MINIMUM CONCRETE STRENGTHS AT 28 DAYS:
A) FOOTINGS, SLAB-ON-GRADE----- 3000 PSI
B) MASONRY WALL BEAMS, THE COLUMNS----- 3000 PSI
C) FORMED COLUMNS, WALLS, BEAMS & SLABS----- 4000 PSI

6. CONCRETE MUST BE BATCHED, MIXED AND TRANSPORTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR READY-MIXED CONCRETE ASTM C94.

7. REQUIRED SLUMP = 4 PLUS OR MINUS ONE INCH.

8. CONCRETE MUST BE PLACED WITHIN 90 MINUTES OF BATCH TIME, WHEN AIR TEMPERATURE IS BETWEEN 85 AND 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 75 MINUTES. WHEN AIR TEMPERATURE IS HIGHER THAN 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.

9. DO NOT ADD WATER AT THE JOB SITE WITHOUT APPROVAL OF THE PROJECT SUPERINTENDENT. DO NOT EXCEED THE SLUMP LIMITATION. USE ONLY COLD WATER FROM THE TRUCK TANK. ANY ADDED WATER MUST BE INDICATED ON THE DELIVERY TICKET PLUS THE NAME OF THE PERSON AUTHORIZING. TEST CYLINDERS SHALL BE TAKEN AFTER THE ADDITION OF WATER.

10. LAP SPICE REINFORCING PER CONCRETE LAP SCHEDULE MINIMUM UNLESS OTHERWISE SHOWN OR NOTED.

11. PROVIDE CORNER BARS AT ALL WALL FOOTING, WALL AND BEAM CORNERS. SIZE AND NUMBER TO MATCH HORIZONTAL BARS.

12. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND NUMBER OF VERTICAL BARS. EMBED DOWELS TO:
A) 3" ABOVE BOTTOM OF FOOTINGS

13. REINFORCEMENT SHALL BE FASTENED AND SECURED TOGETHER TO PREVENT DISPLACEMENT BY CONSTRUCTION LOADS OR THE PLACING OF CONCRETE.

14. REINFORCING BAR COVER

- A) FOOTINGS 2" (TOP), 3" (SIDES AND BOTTOM)
B) COLUMNS AND BEAMS 1-1/2"
C) SLABS 3/4" (INTERIOR), 1-1/2" (EXTERIOR)

15. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, LENGTH OF HOOK, IF REQUIRED, IS NOT INCLUDED.

16. SELECT PROPORTIONS IN ACCORDANCE WITH ACI 301 TO PROVIDE CONCRETE CAPABLE OF BEING PLACED WITHOUT EXCESSIVE SEGREGATION AND WITH ACCEPTABLE FINISHING

PROPERTIES, DURABILITY, SURFACE HARDENERS, APPEARANCE, AND STRENGTH REQUIREMENTS REQUIRED BY THESE SPECIFICATIONS.

17. CHAIR, WELDED WIRE FABRIC REINFORCING AT 3"-0" ON CENTER MAXIMUM IN EACH DIRECTION.

18. MAXIMUM WATER TO CEMENT RATIO WHEN NO BACK-UP DATA IS AVAILABLE:

- A) 4000 PSI, 28-DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.44 MAXIMUM (NON-AIR-ENTRAINED), 0.36 MAXIMUM (AIR-ENTRAINED).
B) 3000 PSI, 28-DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.58 MAXIMUM (NON-AIR-ENTRAINED), 0.47 MAXIMUM (AIR-ENTRAINED).

19. DATA TO BE SUBMITTED:

- A) INTENDED USAGE AND LOCATION FOR EACH TYPE
B) MIX DESIGN FOR EACH TYPE
C) CEMENT CONTENT IN POUNDS-PER-CUBIC YARD
D) COARSE AND FINE AGGREGATE IN POUNDS/CUBIC YARD
E) WATER CEMENT RATIO BY WEIGHT
F) CEMENT TYPE AND MANUFACTURER
G) SLUMP RANGE
H) AIR CONTENT
I) ADMIXTURE TYPE AND MANUFACTURER
J) PERCENT ADMIXTURE BY WEIGHT
K) STRENGTH TEST DATA REQUIRED TO ESTABLISH MIX DESIGN.
L) COMPLETE DETAIL AND PLACING SHOP DRAWINGS FOR ALL REINFORCING STEEL INCLUDING ACCESSORIES THAT HAVE BEEN REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR. INCLUDE ALL REQUIRED DIMENSIONS AND ELEVATIONS (E. TOP OF CONCRETE)

20. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CONSTRUCTION OF FORMWORK, SHORING AND RE-SHORING IN ACCORDANCE WITH ACI 347.
A) FORM AND SHORING DESIGN BY A P.E. REGISTERED IN THE STATE OF FLORIDA.

21. SUBMIT FORM WORK AND SHORING DRAWINGS TO LOCAL BUILDING DEPARTMENT WHEN REQUIRED BY FLORIDA THRESHOLD LAW.

22. CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS MUST BE MADE AND LOCATED TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE.

- A) NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS, ORDERS AND SLABS.
B) LOCATION OF ANY CONSTRUCTION JOINT NOT SHOWN IS SUBJECT TO REVIEW AND ACCEPTANCE BY ENGINEER.

23. INTERNAL VIBRATION, PROPERLY APPLIED IS THE REQUIRED METHOD OF CONSOLIDATING PLASTIC CONCRETE.

24. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

25. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, AND SLAB RECESSES AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED. NO SLEEVE, OPENINGS, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMN UNLESS APPROVED BY THE ENGINEER.

26. CONTRACTOR SHALL VERIFY EMBEDDED ITEMS INCLUDING, BUT NOT LIMITED TO, ANCHOR BOLTS, BOLT CLUSTERS, WELD PLATES, ETC., BEFORE PLACING CONCRETE. NOTIFY ENGINEER OF ANY CONFLICTS WITH REBAR.

27. ALL EXPOSED CONCRETE SURFACES TO BE IN ACCORDANCE WITH ACI 301 SECTION 5.3.3.(C), INCLUDING SURFACE TOLERANCE CLASS A AS SPECIFIED IN ACI 117.U.N.O.

28. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISHES.

29. SLOPE WALKWAYS AND BALCONIES TO DRAIN AWAY FROM THE BUILDING.

30. BUILDING FLOOR AND SITE SLABS-ON-GRADE SHALL BE 4" MINIMUM THICKNESS, UNLESS NOTED OTHERWISE.

- A) REINFORCED WITH 6X6 – W1.4 X W1.4 W.W.F.
B) PLACED ON 10 MIL POLYETHYLENE VAPOR RETARDER, LAP 6" AND TAPE ALL JOINTS.
C) SAW-CUT CONTROL JOINTS @ LESS THAN OR EQUAL TO 15'-0" EACH WAY.
D) PROVIDE HOUSEKEEPING PADS AS REQUIRED.
E) SEE DRAWINGS FOR ANY ADDITIONAL CONDITIONS.

31. TESTING

- A) A QUALIFIED TESTING LAB SHALL BE RETAINED TO PERFORM QUALITY CONTROL WORK AND ON-SITE TESTING.
B) SLUMP TEST – ASTM 143
C) MOLD AND CURE TEST CYLINDERS (ASTM C-31) AND TEST CYLINDERS FOR STRENGTH (ASTM C39). TAKE ONE TEST – THREE CYLINDERS (MIN.) FOR EACH DAYS POUR OF 100 CUBIC YARDS, OR FRACTION THEREOF. TEST ONE CYLINDER AT 7 DAYS, TWO AT 28 DAYS. THE CONTRACTOR CAN REQUEST ADDITIONAL TEST CYLINDERS AT DIFFERENT INTERVALS IF DEEMED NECESSARY FOR THE CONSTRUCTION SCHEDULE AS APPROVED BY THE OWNER. TEST CYLINDER SAMPLES SHALL BE TAKEN AT THE POINT OF DISCHARGE WHEN USING A PUMP.
D) ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO THE OWNER, ENGINEER, ARCHITECT AND GENERAL CONTRACTOR.

32. CONTRACTOR SHALL PROVIDE FLATNESS AND LEVELNESS IN CONCRETE SLABS PER ACI 302.1R, FIG. 10.7 MINIMUM REQUIRED "F" MINIMUMS FOR TYPE OF SLAB USE. REFER TO ACI 117 FOR FLOOR TOLERANCES.

33. REPAIR ANY CRACKS OR DEFECTIVE AREAS THAT WILL RESTORE THE AFFECTED SURFACE OR AREAS TO THEIR FULL DESIGN STRENGTH AND APPEARANCE. CONTACT THE STRUCTURAL ENGINEER FOR ADVICE AND EVALUATION.

34. ACCEPTANCE OF THE STRUCTURE WILL BE MADE IN CONFORMANCE WITH ACI 301.

35. ALL CAST-IN-PLACE CONCRETE MUST BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A MINIMUM OF 7 DAYS FOLLOWING THE PLACING OF THE CONCRETE BY THE USE OF A WATER SPRAY, WATER SATURATED FABRIC, MOISTURE RETAINING MEMBRANE OR LIQUID CURING COMPOUND.

36. CURE SLABS-ON-GRADE FOR THE FIRST 72 HOURS BY THE USE OF:

- A) FOG SPRAYING
B) PONDING
C) SPRINKLING
D) CONTINUOUSLY WET ABSORPTIVE MATS OR FABRIC
E) CONTINUE CURING BY USE OF MOISTURE RETAINING COVER UNTIL CONCRETE HAS OBTAINED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.
F) OR LIQUID CURING COMPOUND AFTER FINISHING PROCESS IS COMPLETED.
G) CONCRETE WET CURE TIME TO BE 7 DAYS MINIMUM AT 50 DEGREES MINIMUM TEMPERATURE.

37. SUBMIT MATERIALS AND METHOD OF CURING FOR REVIEW.

38. DO NOT USE MOISTURE RETAINING CURING COMPOUNDS FOR CURING SURFACES TO RECEIVE CARPET, FLEXIBLE FLOORING, CERAMIC TILED FLOORS OR OTHER SPECIFIED FLOOR SYSTEMS, UNLESS IT HAS BEEN DEMONSTRATED THAT SUCH COMPOUNDS WILL NOT PREVENT BOND.

39. DO NOT PERMIT CONCRETE NOT FULLY CURED TO BE EXPOSED TO EXCESSIVE TEMPERATURE CHANGES OR HIGH WINDS.

40. POUR ALL GROUND SLABS ON 10 MIL MINIMUM VAPOR RETARDER IN COMPLIANCE WITH ASTM E1745, LAPPED 6" MINIMUM AND FULLY TAPED.

41. EQUIPMENT MADE OF ALUMINUM OR ALUMINUM ALLOYS, SHALL NOT BE USED FOR PUMP LINES, TREMIES, OR CHUTES OTHER THAN SHORT CHUTES SUCH AS THOSE USED TO CONVEY CONCRETE FROM A TRUCK MIXER.

42. THE CODE PROHIBITS THE USE OF ALUMINUM (CONDUIT, PIPES, ETC.) IN STRUCTURAL CONCRETE UNLESS IT IS EFFECTIVELY COATED OR COVERED.

PRECAST CONCRETE U-LINTELS AND SILLS

1. UNITS SHALL BE FABRICATED BY A FIRM ENGAGED IN THE MANUFACTURING OF PRECAST AND PRE-STRESSED CONCRETE U-LINTELS AND SILLS FOR A MINIMUM OF 5 YEARS. FABRICATOR SHALL HAVE A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH THE PROCEDURES OF MANUAL 116 BY THE PRECAST/PRE-STRESSED CONCRETE INSTITUTE (PCI).

2. PLANT RECORDS OF PRODUCTION AND QUALITY CONTROL SHALL BE KEPT IN ACCORDANCE WITH PCI RECOMMENDATIONS AND MADE AVAILABLE UPON REQUEST FOR THE ARCHITECT/ENGINEER.

3. CODES AND STANDARDS:

- A) AMERICAN SOCIETY FOR TESTING AND MATERIALS(ASTM)
1) C33 – SPECIFICATION FOR CONCRETE AGGREGATES
2) C150 – SPECIFICATION FOR PORTLAND CEMENT
B) PRECAST/PRE-STRESSED CONCRETE INSTITUTE (PCI) STANDARDS: MANUAL FOR QUALITY CONTROL FOR PRECAST AND PRE-STRESSED CONCRETE MNL-116.
C) AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
D) AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530)

4. CONCRETE MATERIALS:

- A) PORTLAND CEMENT: ASTM C150 TYPE I OR III, GRAY COLOR
B) AGGREGATES: ASTM C33
C) WATER: POTABLE
D) ADMIXTURES: SHALL NOT CONTAIN CALCIUM CHLORIDE OR CHLORIDE IONS

5. REINFORCING

- A) DEFORMED REINFORCEMENT: ASTM A615 GRADE 40 OR 60.
B) PRE-STRESSING STRAND: ASTM A416 270 KSI LL.

6. U-LINTEL UNITS 14 FEET IN OVERALL LENGTH AND SHORTER SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3500 PSI AT 28 DAYS.

7. U-LINTEL UNITS EXCEEDING 14 FEET IN OVERALL LENGTH SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 6000 PSI AT 28 DAYS AND SHALL BE PRE-STRESSED CONCRETE.

8. SILL UNITS SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.

9. UNITS SHALL BE SAND BLOCK FINISH EXCEPT PRE-STRESSED, 6" WIDE, AND 12" WIDE U-LINTELS SHALL BE SMOOTH FORM FINISHED.

10. PRECAST CONCRETE U-LINTELS SHALL BE DESIGNED BY A LICENSED DELEGATED ENGINEER.

11. SUBMITTALS

- A) PROVIDE MANUFACTURER'S CATALOG ENGINEERING DATA.

- B) MANUFACTURER SHALL RATE U-LINTEL UNITS FOR GRAVITY, UPLIFT, AND LATERAL LOADS IN UNITS OF POUNDS PER LINEAR FOOT.

MASONRY

1. HOLLOW LOAD BEARING UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE II, MINIMUM NET COMPRESSIVE UNIT STRENGTH = 2000 PSI. (NET AREA COMPRESSIVE MASONRY STRENGTH $F_m = 2000$ PSI).

2. MORTAR SHALL BE TYPE S AND CONFORM TO ASTM C270 (PROPORTION OR PROPERTY SPECIFICATION).

- A) COARSE GROUT SHALL CONFORM TO ASTM C476:
A) 2500 PSI AT 28 DAYS.
B) 1/4" MAXIMUM AGGREGATE.
C) 8" – 11" SLUMP.

4. CODES AND STANDARDS:

- A) SPECIFICATIONS FOR MASONRY STRUCTURES – ACI 530.1/ASCE 6/ TMS 602 IS INCLUDED BY REFERENCE IN ITS ENTIRETY.
B) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES – ACI 530/ ASCE 5/TMS 402.

5. A REINFORCED TIE BEAM SHALL BE PROVIDED IN ALL WALLS SHOWN ON THE STRUCTURAL DRAWINGS AT EACH FLOOR, THE ROOF, AND AT TOP OF ANY PARAPET WALL. USE GALVANIZED MESH-TYPE CELL CMPS. PROVIDE CORNER BARS AT ALL BEAM CORNERS TO MATCH HORIZONTAL BARS.

6. UNLESS NOTED OTHERWISE, THE BEAMS SHALL BE AS FOLLOWS:

- A) FLOOR LEVELS: DOUBLE COURSE OF KNOCK-OUT BLOCKS WITH (1) #5 BAR IN EACH COURSE.
B) ROOF LEVEL: DOUBLE COURSE OF KNOCK-OUT BLOCKS WITH (1) #5 IN EACH COURSE.
C) TOP OF PARAPET: (1) #5 BAR IN GROUTED KNOCK-OUT BLOCKS.

7. VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM OF BAR AND AT 8'-0" O.C. MAXIMUM WITH A MINIMUM CLEARANCE OF 1/2" FROM MASONRY. THE CLEAR DISTANCE BETWEEN BARS SHALL NOT EXCEED ONE BAR DIAMETER, OR MORE THAN 1", CENTER BARS IN WALLS U.N.O.

8. VERTICAL REINFORCING SHALL BE AS SHOWN ON THE DRAWINGS. FILLCELLS WITH COARSE GROUT AS SPECIFIED. PROVIDE ACI 90 DEGREE STANDARD HOOKS INTO FOOTING AND ROOF TIE BEAM. LAP SPlice VERTICAL REINFORCEMENT ABOVE FOOTING AND ABOVE EACH FLOOR LEVEL UNLESS NOTED OTHERWISE. MAINTAIN VERTICAL REINFORCING SHOWN ON PLANS ABOVE AND BELOW MASONRY OPENINGS. CONTINUE FOUNDATION DOWELS BELOW ALL MASONRY OPENINGS.

9. REINFORCED FILL CELLS ARE TO BE CLEAN AND FREE OF ANY FOREIGN MATERIAL OR DEBRIS. REMOVE ANY INSULATING MATERIAL FROM CELLS, INCLUDING POLYSTYRENE INSULATING INSERTS, PRIOR TO GROUT POUR.

10. REINFORCING BARS SHALL BE STRAIGHT EXCEPT FOR BENDS AROUND CORNERS AND WHERE BENDS OR HOOKS ARE DETAILED ON THE PLANS.

11. REINFORCING BARS SHALL BE LAPPED PER MASONRY LAP SCHEDULE MINIMUM (UNLESS OTHERWISE NOTED) WHERE SPLICED AND SHALL BE WIRED TOGETHER.

12. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED. THE DOWEL SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM OF BAR AND AT 8'-0" O.C. MAXIMUM WITH A MINIMUM CLEARANCE OF 1/2" FROM MASONRY. THE CLEAR DISTANCE BETWEEN BARS SHALL NOT EXCEED ONE BAR DIAMETER, OR MORE THAN 1", CENTER BARS IN WALLS U.N.O.

13. PROVIDE HORIZONTAL WALL REINFORCING (9 GA.) HOT DIPPED GALVANIZED LADDER TYPE DUR-O-WALL (OR EQUIVALENT) AT 16" O.C. JOINT REINFORCING SHALL CONFORM TO ASTM A-951.

14. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT DOORS AND WINDOWS FOR FIRST AND SECOND BLOCK COURSE ABOVE AND BELOW APERTURES. RUN REINFORCING CONTINUOUS OR EXTEND TWO FEET FROM APERTURE EDGE.

15. WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AT SPLICES AND SHALL CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT IN THE LAPPED DISTANCE.

16. CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE OF MASONRY IN EACH GROUT POUR WHEN THE POUR HEIGHT EXCEEDS 5'. CLEANOUTS TO BE SAW-CUT 4" X 4".

17. GROUT POUR HEIGHT SHALL NOT EXCEED 24'. PLACE GROUT IN 5' MAX. LIFTS HEIGHTS.

18. CONSOLIDATE GROUT POURS AT THE TIME OF PLACEMENT BY MECHANICAL MEANS AND RECONSOLIDATE AFTER INITIAL WATER LOSS AND SETTLEMENT.

19. ALL MASONRY FOUNDATION STEMWALLS AND RETAINING WALLS SHALL BE FULLY GROUTED.

20. STORE BLOCKS ON PALLETS AND COVER WITH PLASTIC SHEETING.



STRUCTURAL SPECIFICATIONS (CONTINUED)
STRUCTURAL STEEL (CONTINUED)

4. SIZE AND USE OF HOLES: SEE ALSO TABLE J3.3.
- A) LARGER HOLES ARE PERMITTED IN STANDARD COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 3/8". HARDENED WASHERS, TO COVER THE LARGER HOLE, SHALL BE PROVIDED.
- B) LARGER HOLES ARE NOT PERMITTED IN WIND FRAME COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 1/16".
- C) SLOTTED HOLES: A PLATE WASHERS OR A CONTINUOUS BAR WITHSTANDARD HOLES, HAVING A SIZE SUFFICIENT TO COMPLETELY COVER THE SLOT AFTER INSTALLATION, AND A MIN. OF 5/16" THICK SHALL BE PROVIDED. TACK WELD NUT TO BOLT AFTER ERECTION.
5. STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN THE MILL TOLERANCE) LOCATED ABOVE THE HORIZONTAL CENTERLINE BETWEEN THE END CONNECTIONS.
6. VERIFY THE EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS FOR MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION OF MATERIALS.
7. SHOP PRIME STEEL SURFACES EXCEPT THE FOLLOWING:
- A) SURFACES EMBEDDED IN CONCRETE OR MORTAR. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2 INCHES.
- B) SURFACES TO BE FIELD WELDED.
- C) SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS.
- D) SURFACES TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS.
- E) GALVANIZED SURFACES.
8. SURFACE PREPARATION: CLEAN SURFACES TO BE PAINTED. REMOVE LOOSE RUST AND MILL SCALE AND SPATTER, SLAG, OR FLUX DEPOSITS. PREPARE SURFACES ACCORDING TO THE FOLLOWING SPECIFICATIONS AND STANDARDS.
9. PRIMING: IMMEDIATELY AFTER SURFACE PREPARATION, APPLY PRIMER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND AT RATE RECOMMENDED BY SSPC TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. USE PRIMING METHODS THAT RESULT IN FULL COVERAGE OF JOINTS, CORNERS, EDGES, AND EXPOSED SURFACES.
- A) STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES.
- B) APPLY TWO COATS OF SHOP PAINT TO INACCESSIBLE SURFACES AFTER ASSEMBLY OR ERECTION. CHANGE COLOR OF SECOND COAT TO DISTINGUISH IT FROM FIRST.
10. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.
11. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING TESTS.
- A) VISUALLY INSPECT ALL STEEL MEMBERS AND CONNECTIONS.
- B) TEST 50 PERCENT OF FULL PENETRATION WELDS.
12. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.
13. STEEL SHALL CONFORM TO:
- WIDE FLANGE (WF)(WT)----- ASTM A992 (50 KSI)
- SHAPES (S, L, C, MC)----- ASTM A36
- HOLLOW STRUCTURAL SECTIONS (HSS)---ASTM A500 GRADE C
- (RECTANGULAR 50 KSI; ROUND 46 KSI)
- STEEL PIPE----- ASTM A53
- ANCHOR RODS----- ASTM F1554 (55 KSI W/S1 SUPPLEMENT)
- ANCHOR BOLTS----- ASTM A307
- FRAMING BOLTS----- ASTM A325N OR A490N
- SHEAR STUDS----- ASTM A108
- WELDING ELECTRODES----- E70XX
14. FASTENERS AND MATERIALS USED FOR WELDING OR OTHERWISE SECURING COMPONENTS ONE TO ANOTHER SHALL BE OF DOMESTIC (USA MADE) MANUFACTURE. SIMILARLY, ALL MATERIALS USED IN THE MANUFACTURING PROCESS SHALL BE FROM A DOMESTIC SOURCE.
15. OPENINGS THROUGH STEEL BEAMS SHALL BE PROVIDED AS DETAILED ON THE DRAWINGS. ALL SUCH OPENINGS SHALL BE MACHINE CUT IN THE SHOP. ALL RECTANGULAR OPENINGS SHALL HAVE A CORNER RADIUS OF 2 TIMES THE WEB THICKNESS, 1/2" MINIMUM.
16. SHOP AND FIELD WELDS SHALL BE DONE BY A.W.S. CERTIFIED WELDERS. PROVIDE CURRENT CERTIFICATES UPON REQUEST.
17. NO SPLICES SHALL BE PERMITTED IN ANY STRUCTURAL STEEL MEMBER UNLESS SHOWN ON APPROVED SHOP DRAWINGS.
18. STEEL STAIRS AND/OR LADDERS SHALL BE DESIGNED FOR 100 PSF LIVE LOAD BY A LICENSED DELEGATED ENGINEER, WHO SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS. SHOP DRAWINGS SHALL SPECIFY ALL DESIGN LOADS.
19. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING ALL STRUCTURAL STEEL LAYOUTS AND DETAILS, SIZES OF MEMBERS, TYPE OF STEEL, CONNECTION DETAILS, WELDS, BOLTS, ETC., AS REQUIRED TO FABRICATE AND ERECT ALL STRUCTURAL STEEL FRAMING. ALL CONNECTIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE DETAILER AND SUBMITTED ON SHOP DRAWINGS, SIGNED AND SEALED BY A REGISTERED FLORIDA DELEGATED ENGINEER.
20. NON-SHRINK GROUT SHALL BE: NONMETALLIC SHRINKAGE-RESISTANT GROUT, PREMIXED, NON-CORROSIVE, NON-STAINING PRODUCT CONTAINING SELECTED SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER-REDUCING AGENTS, COMPLYING WITH CRD-C621, CORPS OF ENGINEERS.
21. IF NOT SPECIFIED ON THE DRAWINGS, THE THROAT SIZE OF ANY FILLET WELD SHALL BE EQUAL TO 1/16" LESS THAN THE THINNEST CONNECTION COMPONENT.

22. NO FIELD WELDING OF GALVANIZED MEMBERS IS PERMITTED UNLESS IN A WELL VENTILATED AREA. TOUCH UP ALL FIELD WELDS WITH PAINT ON GALVANIZED PAINT.

23. MINIMUM EMBEDMENT DEPTH OF ANCHOR BOLTS:
- A) BEAMS, COLUMNS, WALLS = 6"
- B) FOOTINGS = 3" FROM BOTTOM

24. ERECTION
- A) BEFORE ERECTION, THE CONTRACTOR IS TO REMOVE ALL MUD, DIRT OR OTHER FOREIGN MATTER, WHICH ACCUMULATES DURING HANDLING AND STORAGE.
- B) DRIFTING TO ENLARGE UNFAIR HOLES WILL NOT BE PERMITTED. DRILL SUCH HOLES TO ACCOMMODATE THE NEXT LARGER SIZE FASTENER, WHERE POSSIBLE.
- C) AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS WHERE SHOP COAT HAS BEEN DAMAGED. SPOT AND PRIME AREAS USING SAME MATERIAL AS SHOP COAT.
- D) SET ALL MEMBERS SO THAT, IN THEIR FINAL LOCATION, LEVEL, PLUMBNESS AND ALIGNMENT ARE WITHIN THE TOLERANCES PRESCRIBED BY AISC CODE.
- E) DOUBLE CONNECTIONS THROUGH COLUMN WEBS OR AT BEAMS THAT FRAME OVER THE TOPS OF COLUMNS MUST BE DESIGNED TO HAVE AT LEAST ONE INSTALLED BOLT REMAIN IN PLACE TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED. ALTERNATIVELY, THE FABRICATOR MUST SUPPLY A SEAT OR EQUIVALENT DEVICE WITH A MEANS OF POSITIVE ATTACHMENT TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED.

METAL DECKING

1. METAL DECK WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
2. METAL ROOF DECK SHALL BE 50 KSI, 1 1/2" DEEP, WIDE RIB TYPE B AND GALVANIZED (VULCRAFT 1.5B OR EQUIVALENT.) AT HIGH ROOF AND 3" DEEP WIDE RIB TYPE N AND GALVANIZED (VULCRAFT 3N OR EQUIVALENT) AT LOW ROOF.
3. FASTEN ROOF DECK AS INDICATED ON PLANS.
4. MINIMUM FASTENING AT BUILDING PERIMETER OF DECK SHALL BE 5/8" DIAMETER PUDDLE WELDS AT 6" O.C. U.N.O.

5. METAL DECK AND SHEET METAL COATING DESIGNATION:
- A) WITH STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING - G90
- B) WITHOUT STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING - G60

6. INSTALL ALL DECKING 3 SPAN CONTINUOUS.

7. USE WELD WASHERS FOR ALL DECKING 24 GA. AND THINNER.

8. DO NOT HANG OR ATTACH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, CEILING, ETC. FROM METAL DECKING.

9. ROOF DECK OPENINGS 12" DIAMETER OR LARGER ARE TO HAVE SUPPORT ANGLES PER TYPICAL DECK OPENING DETAIL, INCLUDING OPENINGS FOR ROOF SUMP PANS.

10. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION WITH A GALVANIZED TOUCH-UP PAINT. (SEE NOTE BELOW)

11. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING LAYOUT OF DECK, TYPE OF DECK, ALL CONNECTIONS INCLUDING END WELDS, SEAM WELDS, INTERMEDIATE WELDS, AND ALL ACCESSORY MATERIAL SUCH AS CLOSURES, SUMPS FOR DRAINS, ETC.

12. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO VISUALLY INSPECT ALL DECK WELDS AND FASTENERS.

13. METAL ROOF DECK AT CANOPY WEST SHALL BE 2" 18 GA. EPICORE ER2R METAL DECK BY EPIC METALS OR AN APPROVED EQUAL (MATCH EXISTING) CONTINUOUS OVER THREE OR MORE SPANS, FURNISH IN SINGLE SHEETS. ALL ROOF DECK SHALL BE GALVANIZED PER ASTM A525, G90. FASTEN ROOF DECK TO SUPPORTS WITH 3/4" DIA. PUDDLES WELDS WITH 24/6 PATTERN. ATTACH SIDELAPS WITH 1 1/2" FILLET WELDS AT 12" ON CENTER BETWEEN SUPPORTS.

GLUE LAMINATED TIMBER

1. MATERIAL, MANUFACTURE AND QUALITY CONTROL SHALL BE IN CONFORMANCE WITH ANS/ATC A 190.1, "PRODUCTION REQUIREMENTS FOR GLULAM."
2. MINIMUM ALLOWABLE STRESS VALUES OF GLUE LAMINATED MEMBERS ARE: FB = 2400 PSI
FV = 200 PSI
E = 1,600,000 PSI
3. PROVIDE WRITTEN CERTIFICATION THAT GLUE LAMINATED MEMBERS CONFORM TO THE REQUIRED SPECIFICATIONS.
4. SEE ARCHITECT FOR APPEARANCE GRADE (MATCH EXISTING). MEMBERS SHALL BE INDIVIDUALLY WRAPPED.
5. STRUCTURAL GLUE LAMINATED BEAMS SHALL BE IN ACCORDANCE WITH DESIGN SPECIFICATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
6. THE ENTIRE GLUE LAM SYSTEM, INCLUDING MEMBERS, CONNECTIONS, AND BRACING SHALL BE DESIGNED BY A LICENSED DELEGATED ENGINEER WHO SHALL PREPARE DESIGN CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS. ALL FRAMING SIZES AND CONNECTIONS SHALL MATCH EXISTING CONDITIONS. GC TO COORDINATE AS-BUILT CONDITIONS WITH DELEGATED ENGINEER.
7. SUBMIT COMPLETE DESIGN CALCULATIONS AND SHOP DRAWINGS BEARING THE SEAL OF THE DELEGATED ENGINEER.
8. SHOP DRAWINGS TO INCLUDE:
- A) ERECTION PLAN.
- B) MEMBER SIZES AND SPECIES.
- C) MEMBER AND CONNECTION DETAILS, INCLUDING DECKING.
- D) TEMPORARY SHORING PLAN, IF REQUIRED.
- E) DESIGN CALCULATIONS.
9. SEE SHOP DRAWINGS FOR NAILING AND BOLTING REQUIREMENTS.
10. SEE ARCHITECT FOR COLOR AND FINISH (MATCH EXISTING).
11. MAXIMUM LONG TERM DEFLECTION
- A) BEAMS AND ARCHES = L/360
- B) DECKING = L/240

COLD-FORM STEEL FRAMING

1. STEEL FRAMING SHALL CONFORM TO THE A.I.S.I. "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. COLD-FORMED STEEL FRAMING SYSTEM, INCLUDING STUDS, TRUSSES, CONNECTIONS, AND ALL ACCESSORIES, SHALL BE DESIGNED BY A DELEGATED ENGINEER WHO SHALL PREPARE CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS.
3. WELDED CONNECTIONS SHALL CONFORM TO "CODE FOR WELDING IN BUILDING CONSTRUCTION, AWS D1.3".
4. ASTM A 568 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR STEEL, CARBON AND HIGH STRENGTH LOW ALLOY HOT ROLLED SHEET AND COLD ROLLED SHEET.
5. ALL STEEL FRAMING SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHT GAUGE STEEL FRAMING INSTALLATION.
6. WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED FOR A FIRE-RESISTANCE RATINGS, INCLUDING THOSE REQUIRED FOR COMPLIANCE WITH GOVERNING REGULATIONS, PROVIDE MEMBERS WHICH HAVE BEEN APPROVED BY GOVERNING AUTHORITIES HAVING JURISDICTION.
7. PROTECT LIGHT GAUGE STEEL FRAMING MEMBERS FROM RUSTING AND DAMAGE. DELIVER TO PROJECT SITE IN BUNDLES, FULLY IDENTIFIED WITH NAME, BRAND, TYPE AND GRADE. STORE OFF-GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH SUITABLE WATERPROOF COVERINGS.
8. WITH EACH TYPE OF STEEL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM.
9. FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY SHEET STEEL WITH A MINIMUM YIELD POINT OF 50,000 PSI FOR STUDS, AND 33,000 PSI FOR RUNNERS; ASTM A653.
10. PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A525 WITH A G60 COATING.
11. PROVIDE MANUFACTURER'S STANDARD STRUCTURAL "C" SHAPED STEEL STUDS OF SIZE, SHAPE, AND GAUGE INDICATED, WITH A NOMINAL 1.5/8" FLANGE AND MINIMUM 1/2" FLANGE RETURN LIP BY DETRICH INDUSTRIES, INC. OR PRIOR APPROVED EQUAL.
12. THE EXTERIOR WALL SYSTEM SHALL BE DESIGNED TO WITHSTAND BOTH POSITIVE AND NEGATIVE WIND PRESSURE WITH A MAXIMUM DEFLECTION BASED UPON THE APPLICABLE CODE AND MATERIAL REQUIREMENTS OF THE VENEER, BUT SHALL NOT EXCEED L/360.
13. FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION. FABRICATE PANELS PLUMB, SQUARE, TRUE TO LINE AND BRACED AGAINST RACKING WITH JOINTS WELDED. PERFORM LIFTING OF PREFABRICATED PANELS IN A MANNER TO PREVENT DAMAGE OR DISTORTION.
14. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH REVIEWED SHOP DRAWINGS.
15. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUD DEPTH. ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED, EXCEPT DO NOT EXCEED 24" O.C. SPACING FOR NAIL OR POWDER-DRIVEN FASTENERS, OR 16" O.C., FOR OTHER TYPES OF ATTACHMENT. PROVIDE FASTENERS AT CORNERS AND ENDS OF TRACKS.
16. FRAME BOTH SIDES OF EXPANSION AND CONTROL JOINTS, AS SHOWN FOR THE WALL

SYSTEM, WITH SEPARATE STUDS AND DO NOT BRIDGE THE JOINT WITH COMPONENTS OF THE STUD SYSTEM.

17. WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.

18. RESISTANCE TO BENDING AND ROTATION ABOUT THE MINOR AXIS SHALL BE PROVIDED BY MECHANICAL LATERAL BRACING WHERE REQUIRED.

19. ATTACHMENTS OF SIMILAR COMPONENTS SHALL BE DONE BY WELDING, SCREW ATTACHMENT, OR BOLTING. WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED.

20. WELDING OF MEMBERS LIGHTER THAN 18 GAUGE SHALL NOT BE PERMITTED.

21. SPLICES SHALL NOT BE PERMITTED.

22. PROVIDE HORIZONTAL BLOCKING BETWEEN EACH STUD AT 4'-0" ON CENTER MAXIMUM OR AT EACH SHEATHING JOINT.

23. FULLY INSTALL ALL BRIDGING BEFORE APPLYING LOADS.

24. CONTRACTOR TO SUBMIT THE FOLLOWING:

- A) SUBMIT COMPLETE STRUCTURAL CALCULATIONS FOR THE STEEL FRAMING SYSTEM. CALCULATIONS SHALL COVER ALL STUDS, JAMB STUDS, RUNNER TRACK, BRACING, ATTACHMENT OF LIGHT GAUGE FRAMING TO LIGHT GAUGE FRAMING, AND ATTACHMENT OF LIGHT GAUGE FRAMING TO CONCRETE OR STRUCTURAL STEEL.
- B) SUBMIT DETAILED SHOP DRAWINGS FOR STEEL FRAMING SHOWING THE TYPE AND SPACING OF ALL MEMBERS. ALL ATTACHMENTS SHALL BE CLEARLY DETAILED ON THE DRAWINGS. INDICATED SUPPLEMENTAL STRAPPING, BRACING, CLIPS, AND OTHER ACCESSORIES REQUIRED FOR PROPER INSTALLATION.
- C) SUBMIT CERTIFICATION OF MATERIALS FROM THE MANUFACTURER TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS AND RELATED DRAWINGS.

25. SUBMITTALS SHALL BEAR THE SEAL OF THE DELEGATED ENGINEER.

26. SUBMITTED SHOP DRAWINGS MUST BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR.



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AA26001957



NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT
DOCUMENTS

NOT RELEASED FOR
CONSTRUCTION

CLIENT

NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND
BAGGAGE
EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

05.10.2022

DRAWING TITLE

STRUCTURAL
SPECIFICATIONS

SHEET NUMBER

S-0.0.2

MASONRY REINF. LAP SCHEDULE	
BAR SIZE	LAP LENGTH
#3 BAR	20"
#4 BAR	26"
#5 BAR	32"
#6 BAR	43"
#7 BAR	60"

VERTICAL REINFORCEMENT BAR LAP SCHEDULE - MASONRY

VERTICAL REINFORCEMENT BAR LAP SCHEDULE			
BAR SIZE	CLASS "B" TENSION LAP		
	3,000 PSI	4,000 PSI	5,000 PSI
# 5	36"	31"	28"
# 6	43"	37"	33"
# 7	63"	54"	49"
# 8	72"	62"	55"
# 9	81"	70"	63"
# 10	91"	79"	70"

NOTES:
1. BASED ON NORMAL WEIGHT CONCRETE 4 GRADE 60 REINFORCING BARS.

VERTICAL REINFORCEMENT BAR LAP SCHEDULE - CONCRETE

CONCRETE BEAM TENSION LAP SPLICE SCHEDULE				
BAR SIZE	LOCATION	CONCRETE STRENGTH		
		3,000 PSI	4,000 PSI	5,000 PSI
# 4	TOP BARS	37"	32"	29"
	OTHER BARS	29"	25"	22"
# 5	TOP BARS	47"	40"	36"
	OTHER BARS	36"	31"	28"
# 6	TOP BARS	56"	48"	43"
	OTHER BARS	43"	37"	33"
# 7	TOP BARS	81"	70"	63"
	OTHER BARS	63"	54"	49"
# 8	TOP BARS	93"	80"	72"
	OTHER BARS	72"	62"	55"
# 9	TOP BARS	105"	91"	81"
	OTHER BARS	81"	70"	63"
# 10	TOP BARS	118"	102"	91"
	OTHER BARS	91"	79"	70"

- NOTES:
1. BASED ON NORMAL WEIGHT CONCRETE 4 GRADE 60 REINFORCING BARS.
 2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
 3. FOR LIGHTWEIGHT AGGREGATE, MULTIPLY ABOVE VALUES BY 13.

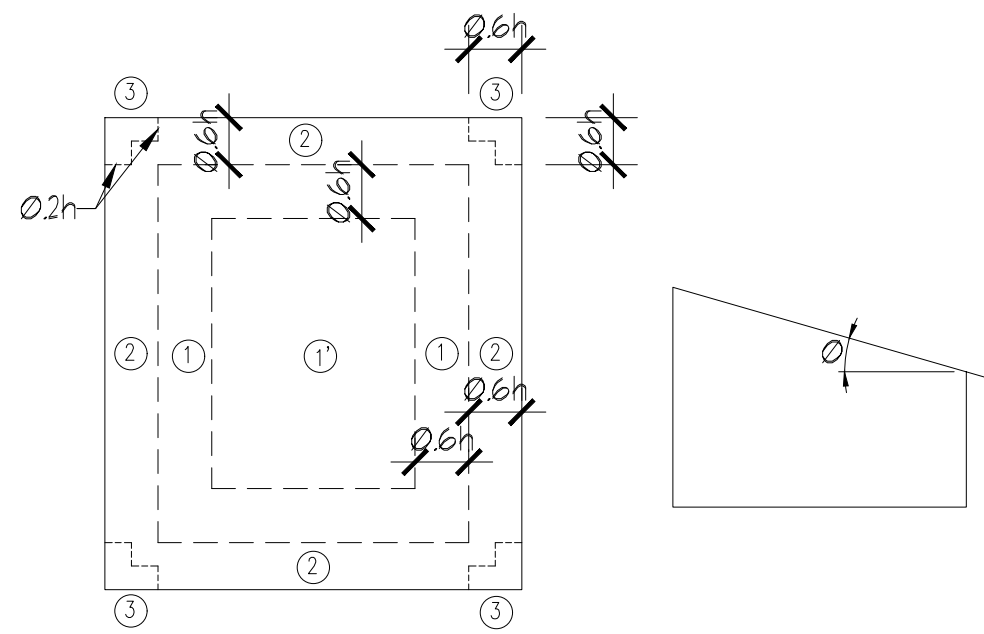
CONCRETE BEAM TENSION LAP SPLICE SCHEDULE

10"-12" LINTEL SAFE LOAD TABLE FOR HIGH-STRENGTH CASTCRETE PRECAST-PRESTRESSED U LINTELS		
LENGTH	UNIFORM SAFE LOAD - POUNDS PER LINEAR FOOT W/O K.O. BLOCK	
4'-0" (48") PRECAST	4,232 LBS.	7,619 LBS.
4'-6" (54") PRECAST	3,464 LBS.	7,619 LBS.
5'-0" (60") PRECAST	2,320 LBS.	5,234 LBS.
7'-6" (90") PRECAST	1,628 LBS.	3,218 LBS.
9'-4" (112") PRECAST	1,216 LBS.	2,230 LBS.
10'-6" (126") PRECAST	1,043 LBS.	1,853 LBS.
11'-4" (136") PRECAST	945 LBS.	1,649 LBS.
12'-0" (144") PRECAST	878 LBS.	1,513 LBS.
14'-0" (168") PRECAST	720 LBS.	1,204 LBS.
17'-4" (208") PRECAST	451 LBS.	881 LBS.
19'-4" (232") PRECAST	343 LBS.	700 LBS.

- NOTE:
1. W/O K.O. BLOCK DESIGNATION REPRESENTS AN 10"x8" FULLY GROUTED CASTCRETE LINTEL WITH (2) #5 CONT. BOTTOM REINF.
 2. W/ K.O. BLOCK DESIGNATION REPRESENTS A 16" NOMINAL DEPTH FULLY GROUTED COMPOSITE LINTEL WITH (2) #5 CONT. TOP REINF. IN THE K.O. BEAM AND (2) #5 CONT. BOTTOM IN CASTCRETE LINTEL.
 3. PROVIDE CASTCRETE PRECAST CONCRETE LINTELS OVER ALL MASONRY OPENINGS GREATER THAN 12" USE RECESSED LINTELS WHERE REQUIRED BY ARCHITECTURAL DRAWINGS. PROVIDE MINIMUM 8" BEARING EACH SIDE OF OPENINGS AND KNOCKOUT BOTTOM OF LINTEL FOR MASONRY / CONCRETE COLUMN REINFORCING TO CONTINUE. SUBMIT LINTEL MANUFACTURER'S LOAD CAPACITY TABLE WITH LINTEL SHOP DRAWINGS.

GROSS ULTIMATE WIND LOADS LOW FLAT ROOF ROOFING MATERIALS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	1'	2	3
PRESSURE (psf)	22.0	22.0	22.0	22.0
SUCTION (psf)	(-) 49.5	(-) 86.1	(-) 114.0	(-) 114.0

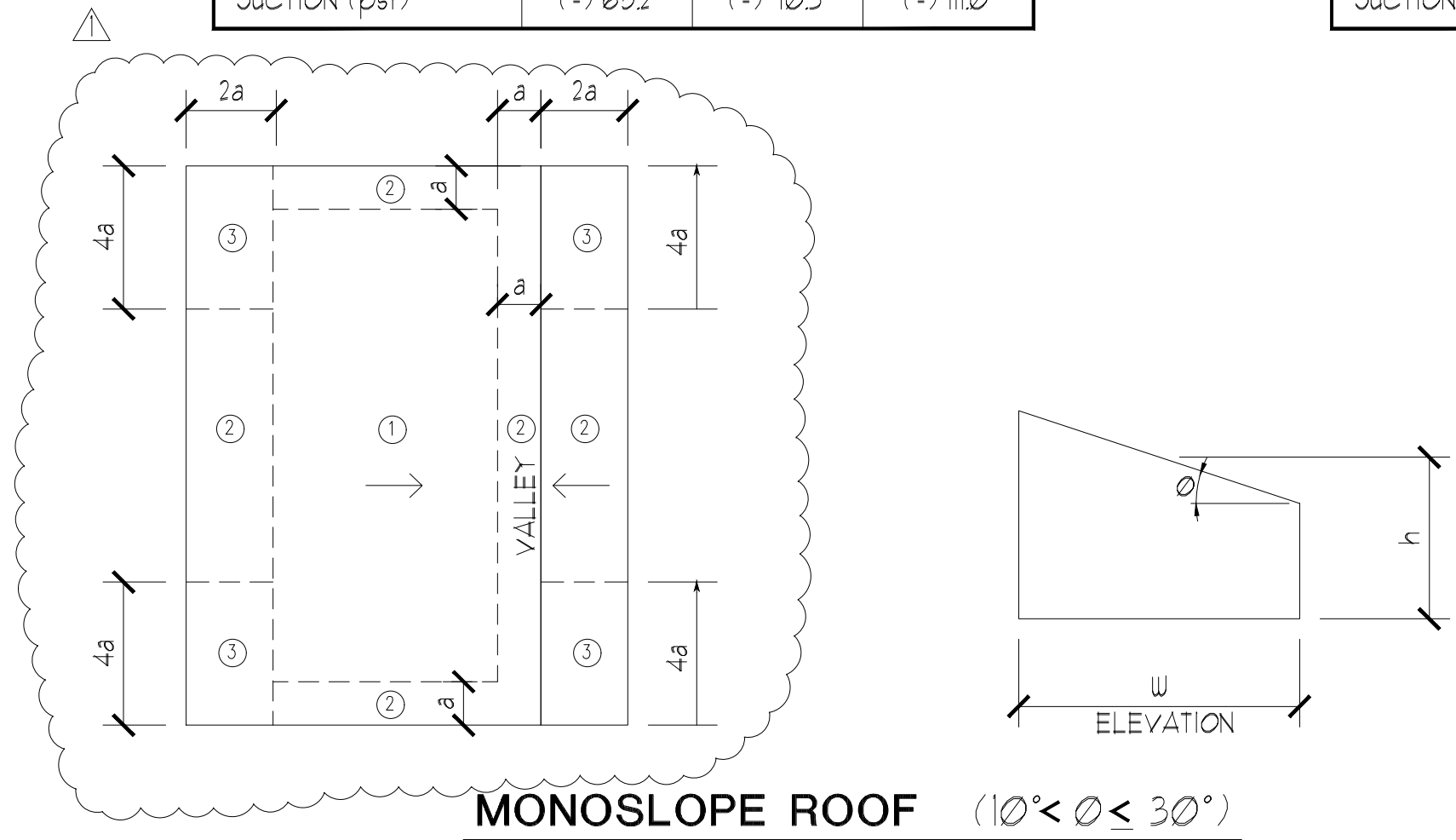
NET ULTIMATE WIND LOADS LOW FLAT ROOF ROOF BEAMS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	1'	2	3
PRESSURE (psf)	11.4	11.4	45.3	45.3
SUCTION (psf)	(-) 46.8	(-) 65.1	(-) 87.4	(-) 87.4



MONOSLOPE ROOF ($\theta \leq 3^\circ$)

GROSS ULTIMATE WIND LOADS HIGH SLOPE ROOF ROOFING MATERIALS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	2	3	
PRESSURE (psf)	29.5	29.5	29.5	
SUCTION (psf)	(-) 75.3	(-) 90.6	(-) 157.0	

NET ULTIMATE WIND LOADS HIGH SLOPE ROOF ROOF BEAMS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	2	3	
PRESSURE (psf)	24.4	24.4	24.4	
SUCTION (psf)	(-) 65.2	(-) 70.3	(-) 111.0	



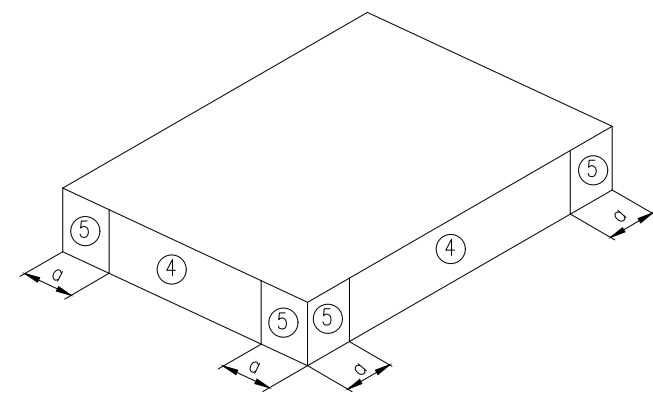
MONOSLOPE ROOF ($10^\circ \leq \theta \leq 30^\circ$)

GROSS ULTIMATE WIND LOADS OVERHANGS AND CANOPIES LOW FLAT ROOF ROOFING MATERIALS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	1'	2	3
PRESSURE (psf)	22.0	22.0	22.0	22.0
SUCTION (psf)	(-) 49.5	(-) 86.1	(-) 114.0	(-) 114.0

NET ULTIMATE WIND LOADS OVERHANGS AND CANOPIES LOW FLAT ROOF ROOF BEAMS				
COMPONENTS AND CLADDING	ROOF ZONE			
	1	1'	2	3
PRESSURE (psf)	11.4	11.4	45.3	45.3
SUCTION (psf)	(-) 91.1	(-) 110.0	(-) 131.7	(-) 131.7

COMPONENT AND CLADDING LOADING DIAGRAMS

1. $a = 15'-0"$
2. THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
3. TO CONVERT THE (ASCE 7-16) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.



DOORS, WINDOWS AND WALLS

ULTIMATE WIND PRESSURES (PSF) HIGH SLOPE ROOF EXTERIOR DOORS, WINDOWS, WALLS				
EFFECTIVE AREA (ft ²)	ZONE 4		ZONE 5	
	PRESSURE	SUCTION	PRESSURE	SUCTION
1 TO 20	60.1	(-) 65.2	60.1	(-) 80.4
21 TO 50	57.2	(-) 62.3	57.2	(-) 74.7
51 TO 100	53.7	(-) 58.8	53.7	(-) 67.7
101 TO 150	51.0	(-) 56.1	51.0	(-) 62.4
151 TO 250	49.5	(-) 54.6	49.5	(-) 59.2
251 TO 500	47.5	(-) 52.6	47.5	(-) 55.3
501 + ABOVE	44.8	(-) 49.8	44.8	(-) 49.9

COMPONENT AND CLADDING LOADING DIAGRAMS

1. $a = 5'-0"$
2. THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
3. TO CONVERT THE (ASCE 7-16) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.

PERMIT DOCUMENTS

NOT RELEASED FOR
CONSTRUCTION

CLIENT
**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER

NO. 210211

ISSUE DATE

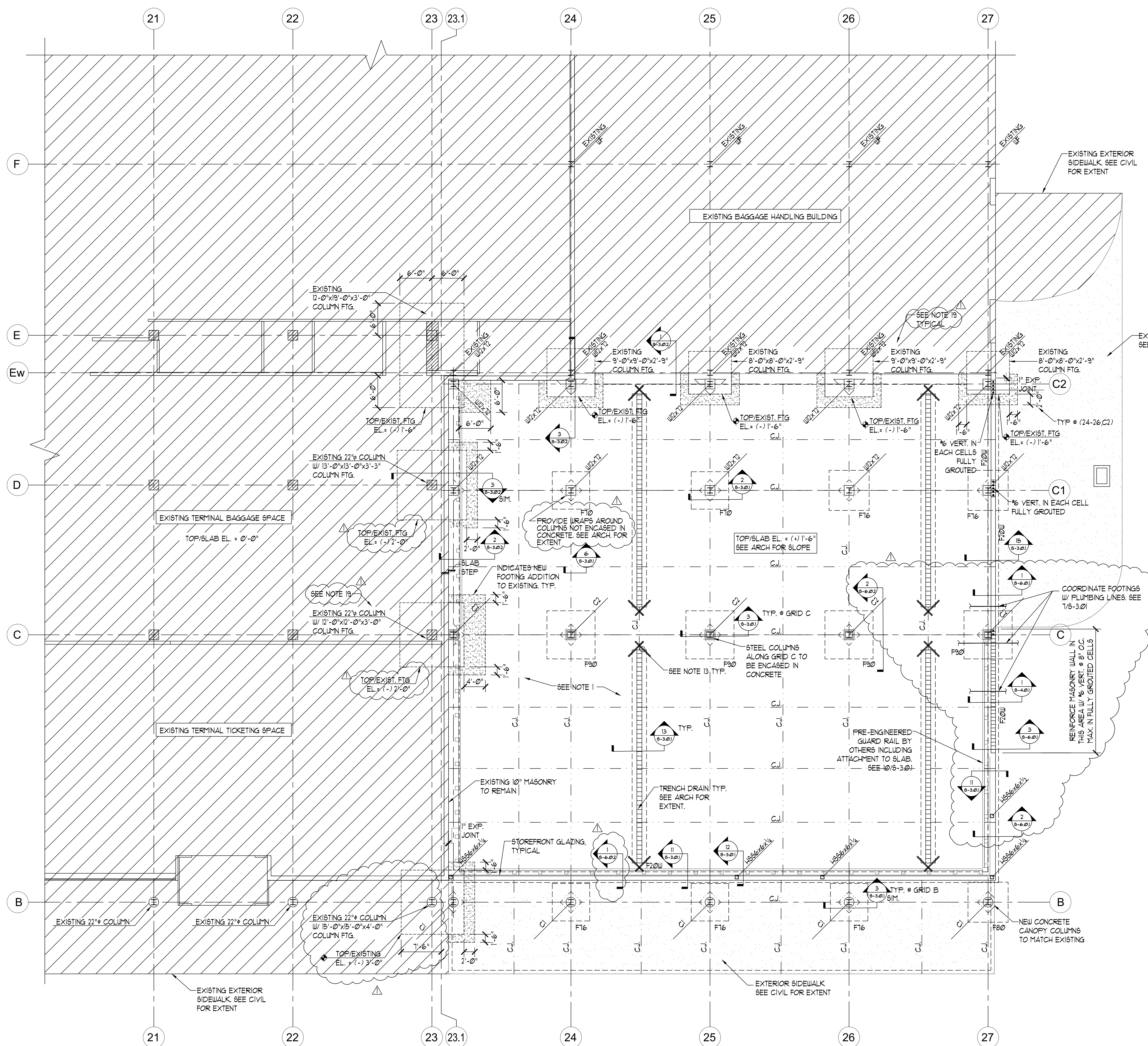
05.10.2022

DRAWING TITLE

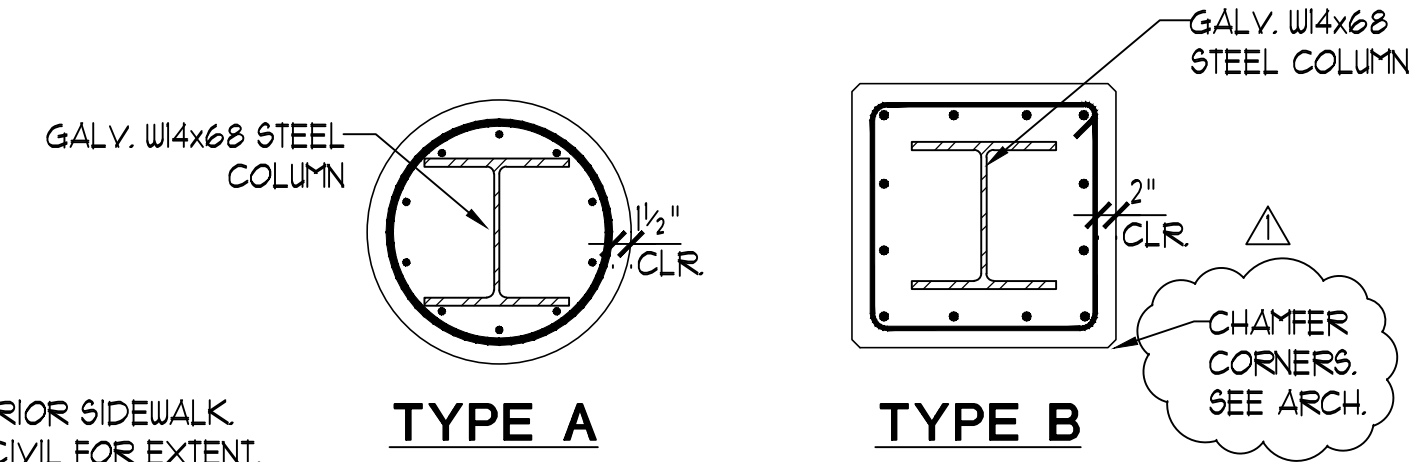
**WIND TABLES
& SCHEDULES**

SHEET NUMBER

S-0.0.3



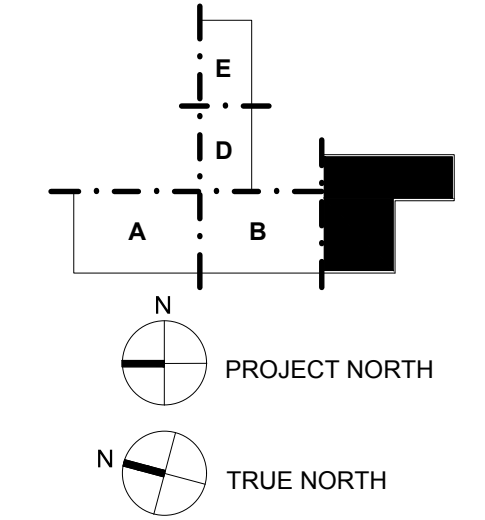
CONCRETE COLUMN SCHEDULE					
MARK	SIZE	VERT.	REINFORCING TIES	REMARKS	
C1	22\"	(10) %	#3 @ 12\"	TYPE A	
C2	22\"x22\"	(12) %	#3 @ 12\"	TYPE B	



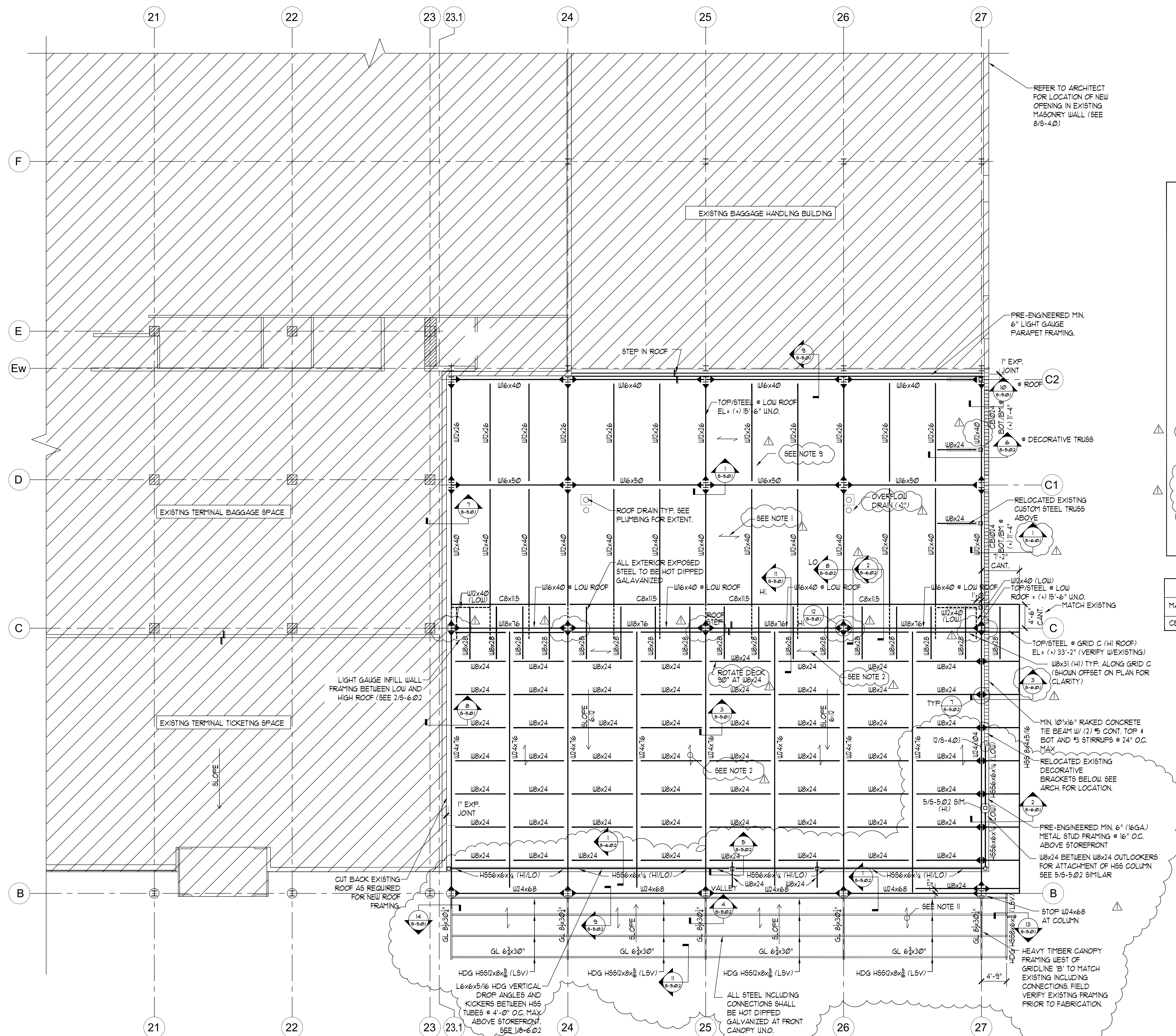
FOUNDATION PLAN NOTES

- SLAB ON GRADE TO BE 8" THICK (FC-4000 F9) CONCRETE EXCEPT WHERE NOTED OTHERWISE REINFORCED W/ #5@12" O.C. EACH WAY, CENTERED. PROVIDED IN SHEETS ON 10 MIL VAPOR RETARDER, LAP AND TAPE BEAMS OVER 6" MINIMUM CRUSHED ROCK BASE (CAPILLARY WATER BARRIER) OVER COMPACTED SOIL.
- TOP OF SLAB EL. = (+) 1'-6" FUTURE SLAB-ON-GRADE EL. = 0'-0" TOP OF FOOTING EL. (-) 1'-4" UNO.
- ALL FOOTING REINFORCING TO BE BOTTOM BARS UNO.
- ALL WALL FOOTINGS TO BE F20W, UNO.
- REFER TO SHEETS 5-001 AND 5-002 FOR STRUCTURAL SPECIFICATIONS.
- C.J. = CONTRACTION JOINT - SEE 6/5-3.01
- COORDINATE ALL DIMENSIONS, ELEVATIONS, SLOPES, RECESSES, AND SLAB EDGES W/ ARCH. DRAWINGS.
- CENTER ALL FOOTINGS BELOW WALLS, PIERS, AND COLUMNS, UNO.
- M.C.J. = MASONRY CONTROL JOINT. REFER TO ARCHITECTURAL FOR LOCATION SEE 2/1/5-4.01
- SEE 5-3.01 AND 5-3.02 FOR ALL FOUNDATION DETAILS.
- SEE 5-4.01 FOR ALL MASONRY DETAILS.
- STEP FOOTING AS REQUIRED TO MAINTAIN 12" MINIMUM SOIL COVER ON TOP OF FOOTING BASED ON FINAL SITE GRADING. SEE 4/5-3.01
- (2) 4 x 4'-0" MID-DEPTH IN SLAB-ON-GRADE.
- REINFORCING INDICATES 10" NOMINAL SPLIT FACE MASONRY WALLS WITH 1/2" VERTICALS AT 24" O.C. MAX. IN FULLY GROUTED CELLS EXCEPT WHERE NOTED ON PLAN AND AT ALL MASONRY WALL INTERSECTIONS, UNO. PROVIDE (2) 1/2" VERTICALS IN ADJACENT CELLS AT ALL WALL OPENINGS, AND CORNERS WITH MATCHING DOUELS INTO FOUNDATION. HOOK INTO FOOTING AND CONTINUE UP AND HOOK INTO ROOF TIE BEAM. DO NOT USE SPLIT FACE CMU AT STUCCO LOCATIONS.
- REFER TO 5-1.01 FOR CONCRETE COLUMN SCHEDULE.
- REFER TO 5-1.01 FOR FOOTING SCHEDULE.
- COORDINATE ALL FOOTING STEPS AND TOP OF FOOTING ELEVATIONS WITH PLUMBING DRAWINGS. STEP FOOTINGS BELOW PIPES TYPICAL SEE 1/5-3.01
- AT ALL NEW FOOTING TO EXISTING FOOTING LOCATIONS, UNO. BOTTOM OF NEW FOOTING TO MATCH BOTTOM OF EXISTING FOOTING.
- GENERAL CONTRACTOR SHALL FIELD VERIFY WIDTH AND DEPTH OF EXISTING FOOTING DURING EXCAVATION FOR NEW FOOTING ADDITION. CONTACT A/E IMMEDIATELY IF ACTUAL CONDITIONS VARY FROM WHAT IS SHOWN.

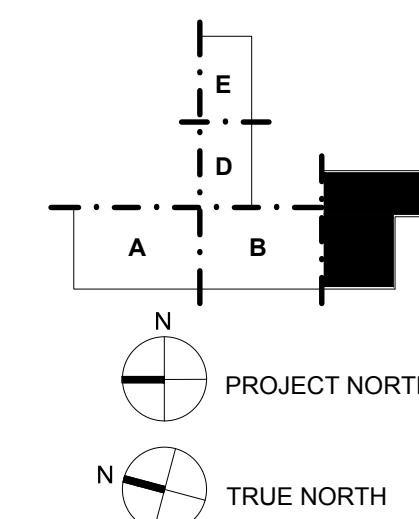
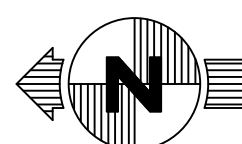
FOOTING SCHEDULE					
MARK	SIZE	DEPTH	REIN. EA. WAY	REMARKS	DWL/A.B. EMBEDMENT
F20W	2'-0"	1'-0"	(3) #5 CONT. #5@12" TRANSV.	WALL FTG.	9"
F10	1'-0"x1'-0"	1'-5"	(6) #4 T4B		1'-2"
F16	1'-6"x1'-6"	1'-6"	(7) #4 T4B		1'-3"
F80	8'-0"x8'-0"	1'-1"	(6) #1 T4B		1'-4"
F90	9'-0"x9'-0"	1'-9"	(8) #1 T4B		1'-6"

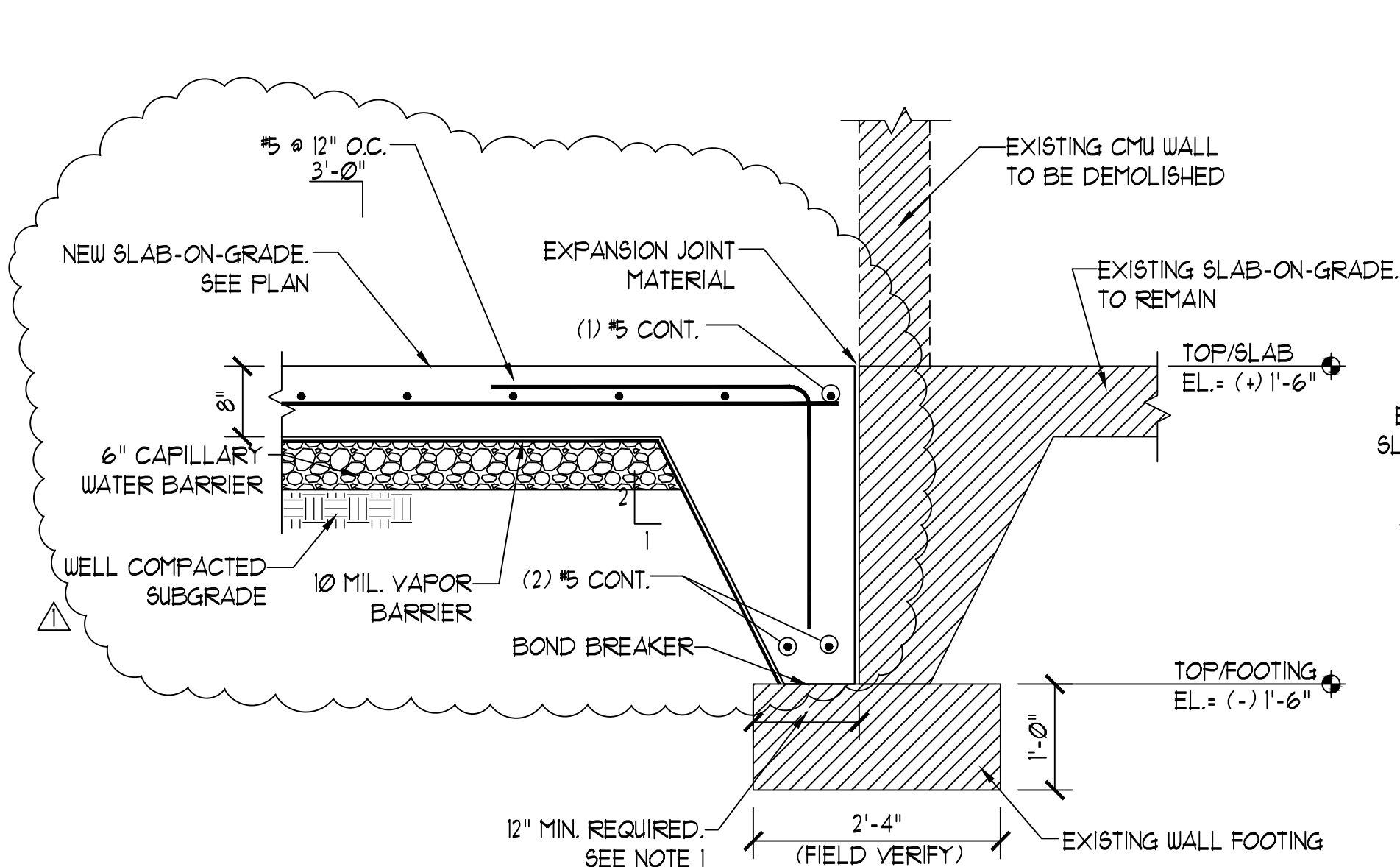


FOUNDATION PLAN
SCALE : 1/8" = 1'-0"



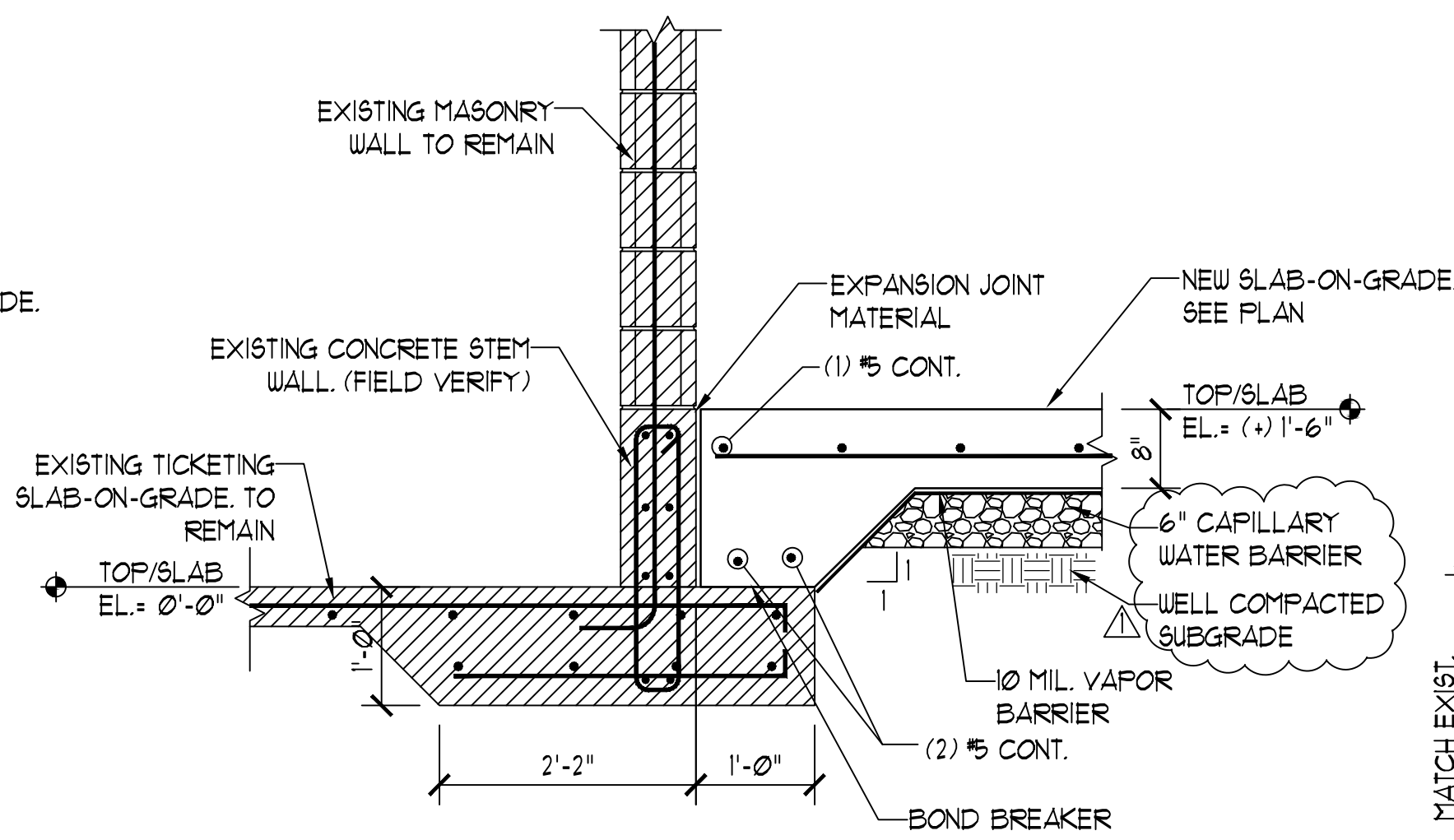
ROOF FRAMING PLAN



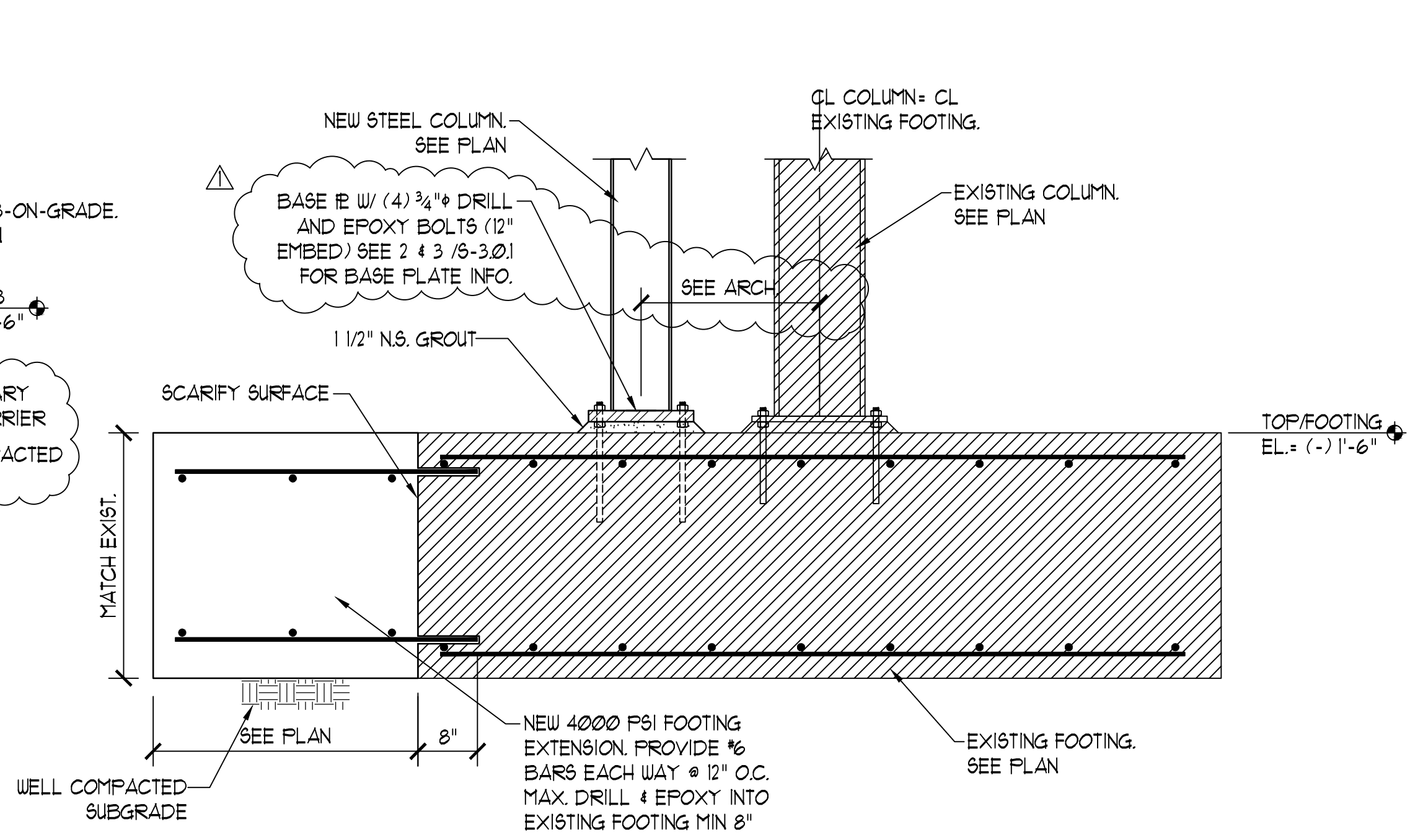


NOTES: 1. IF EXISTING IS NOT A MINIMUM OF 12" WIDE, CONTACT A/E IMMEDIATELY FOR FOOTING ADD ON DETAIL.

DETAIL AT EXISTING BAGGAGE 1



DETAIL AT EXISTING TICKETING 2



DETAIL AT EXISTING COLUMN FOOTING 3

NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT DOCUMENTS

NOT RELEASED FOR CONSTRUCTION

CLIENT

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

05.10.2022

DRAWING TITLE

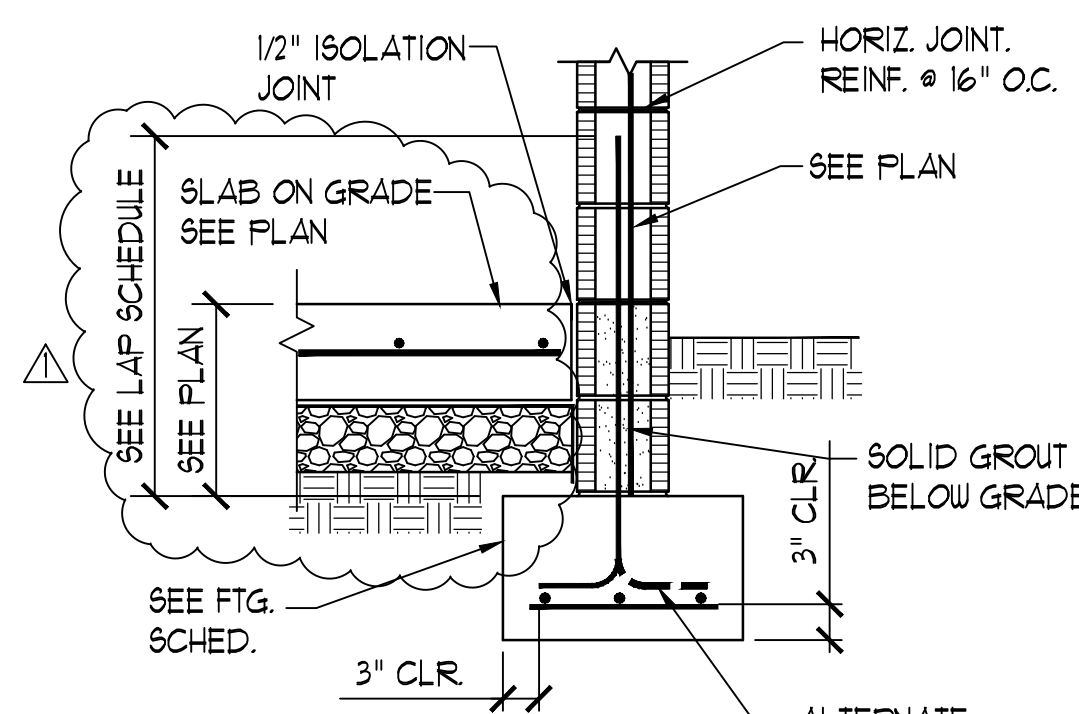
FOUNDATION DETAILS

SHEET NUMBER

S-3.0.2

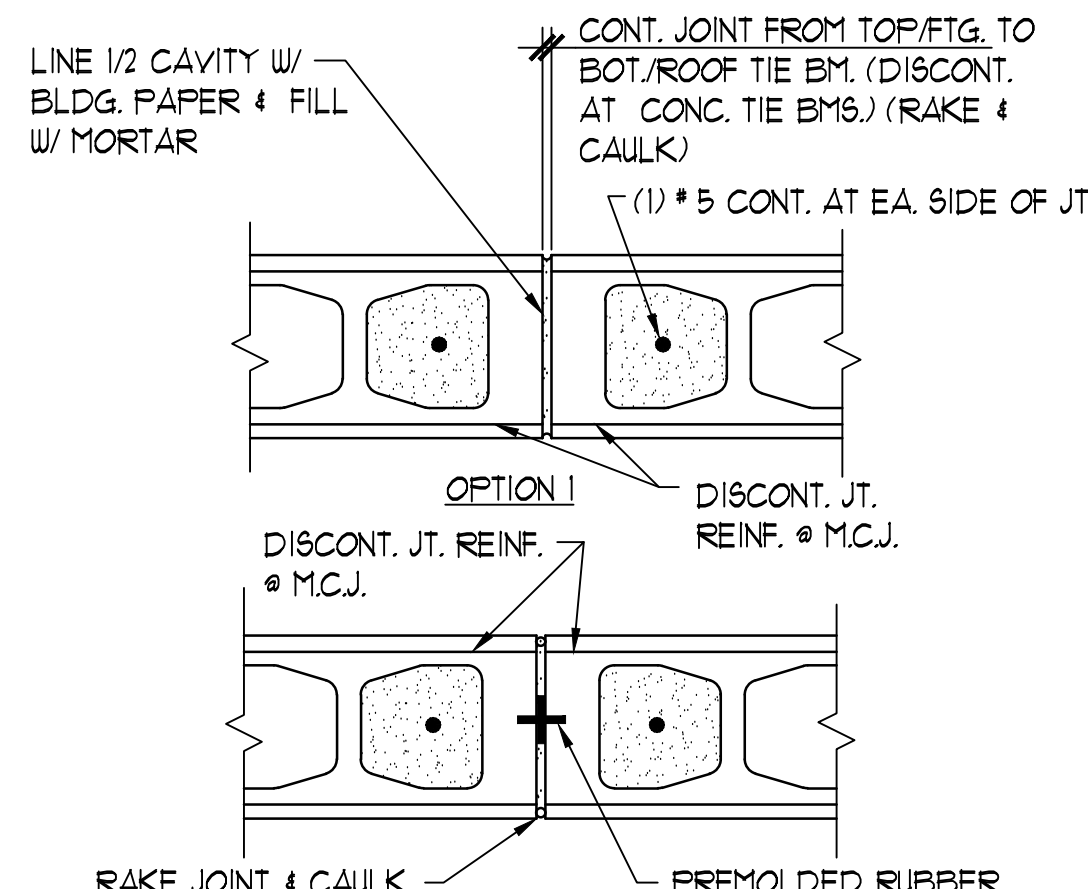
NOTES

1. EXTEND JOINT VERTICALLY FROM TOP OF FOOTING TO ROOF.
2. DISCONTINUE AT INTERMEDIATE TIE BEAMS AND ROOF TIE BEAMS.
3. SCORE ALL TIE BEAMS ON BOTH SIDES OF WALL TO MATCH JOINT.
4. SPACE JOINTS AT 26'-0" O.C. MAXIMUM.
5. COORDINATE LOCATIONS OF JOINTS WITH ARCH. JOINT LOCATIONS.



WALL FOOTING

1



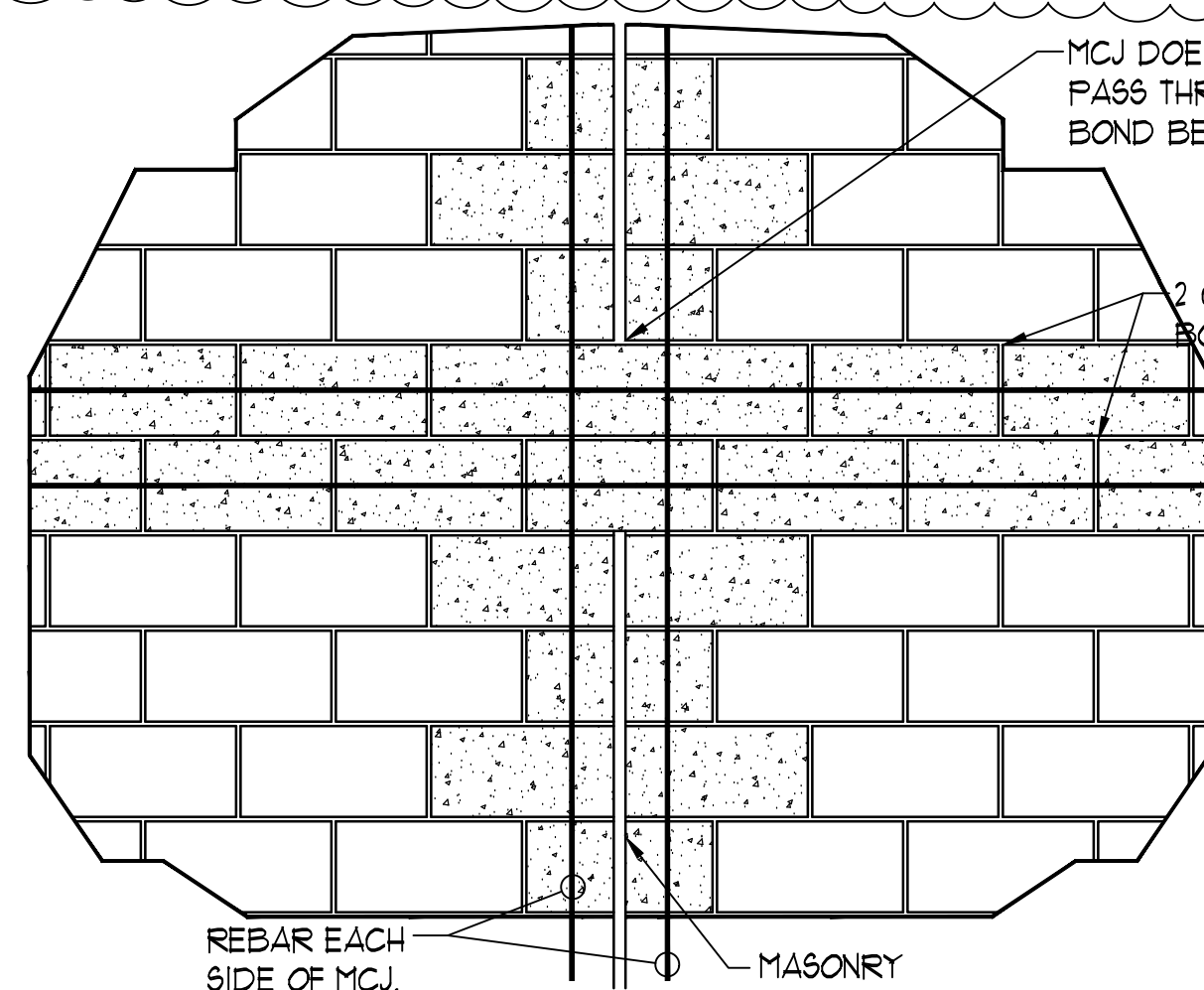
MASONRY CONTROL JOINT

2

**TYPICAL CONCRETE LINTEL
REINFORCING DETAIL**

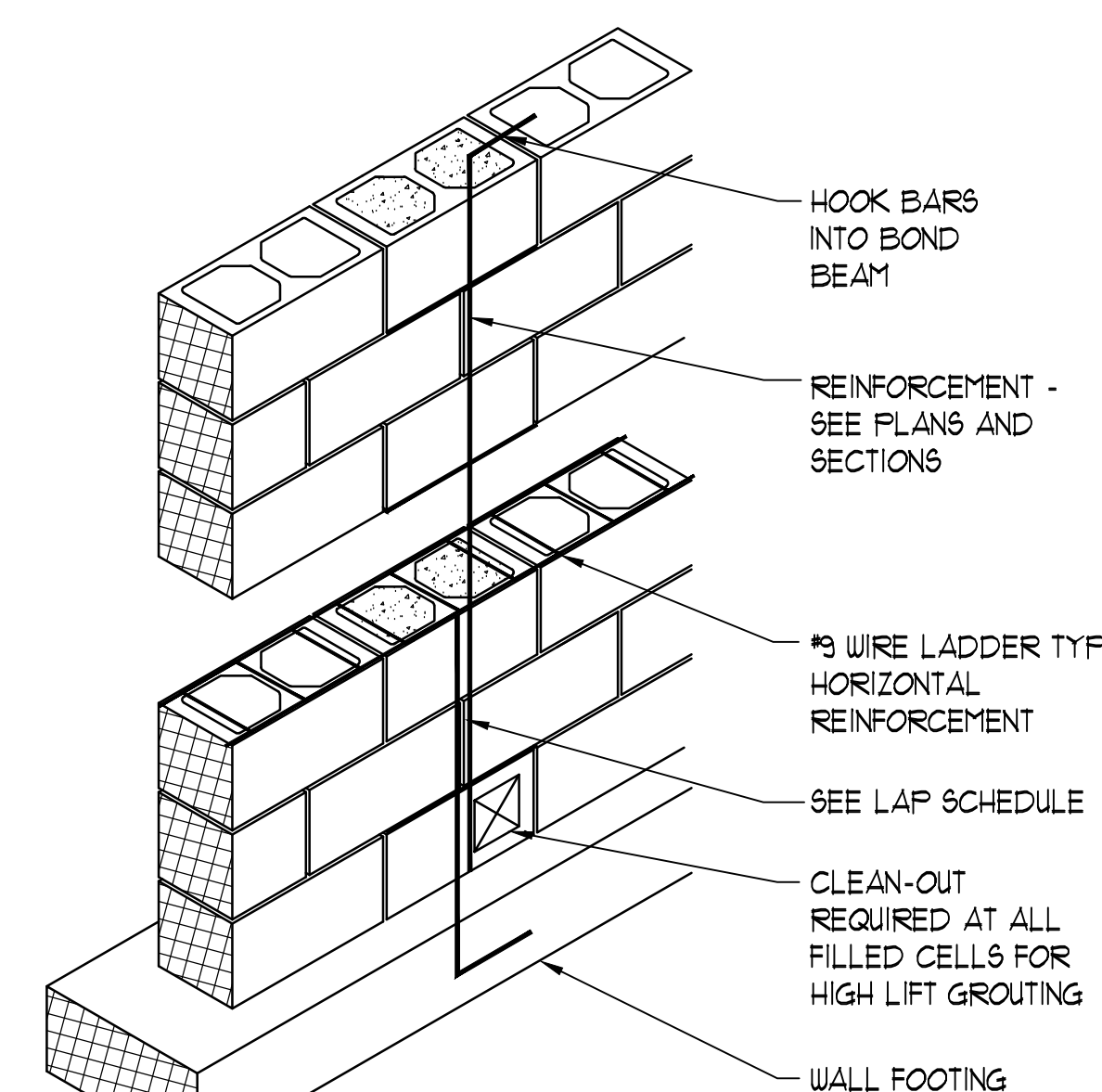
3

NOTE: CONTRACTOR'S OPTION TO PROVIDE 10" x 16" CONCRETE BEAM W/ (2) #6 TOP AND BOT. AND #3 STIRRUPS @ 6" O.C. IF 10" LINTELS ARE DIFFICULT TO OBTAIN.



**MASONRY CONTROL
JOINT ELEVATION**

7



WALL REINFORCING

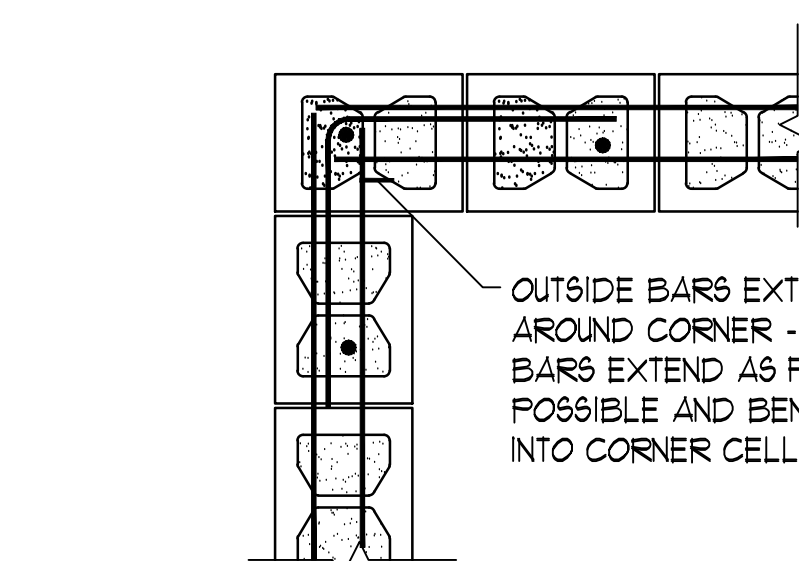
4

LOW LIFT GROUTING PROCEDURE:

1. CONSTRUCT WALL TO HEIGHT OF 4'-0" TO 5'-4" MAX. ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
2. VERTICAL WALL REIN. BARS TO EXTEND BEYOND HEIGHT OF WALL FOR PROPER LAP.
3. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
4. FILL CELLS TO 5 FOOT MAX. GROUT FOUR.
5. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.

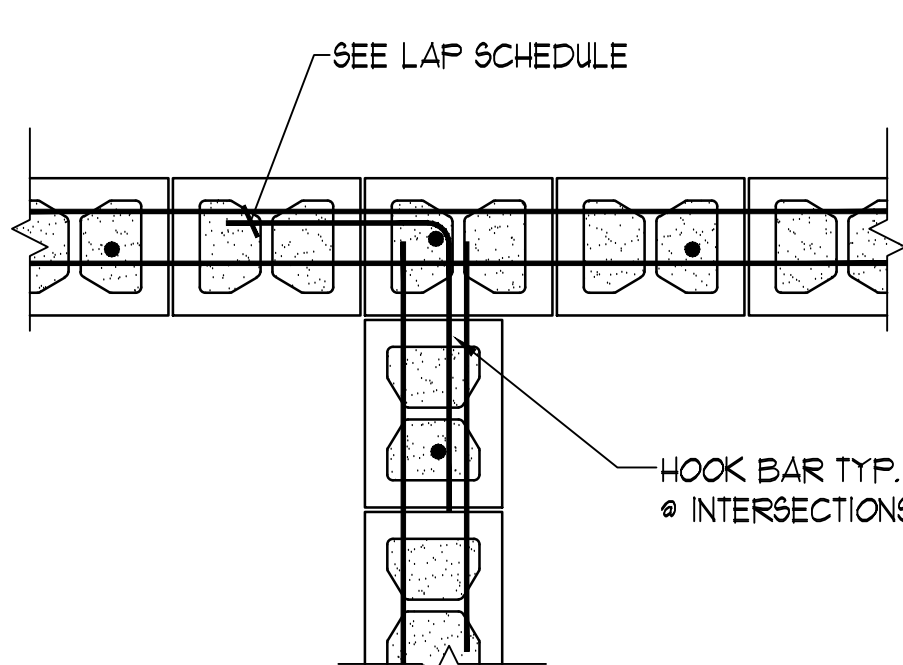
HIGH LIFT GROUTING PROCEDURE:

1. CONSTRUCT WALL TO FULL HEIGHT (24 FEET MAX.) WITH PROPER REINFORCING AND ALLOW MASONRY TO CURE AT LEAST 3 DAYS.
2. CLEAN CELLS, WHICH ARE TO BE GROUTED THROUGH CLEAN-OUT PORTS.
3. PLACE GROUT IN 4 FOOT, 5 FOOT MAX. LIFTS AND CONSOLIDATE AFTER EXCESS MOISTURE HAS BEEN ABSORBED BY MASONRY.
4. PLACE THE NEXT LIFT AS SOON AS POSSIBLE BUT NO LONGER THAN ONE HOUR LATER.



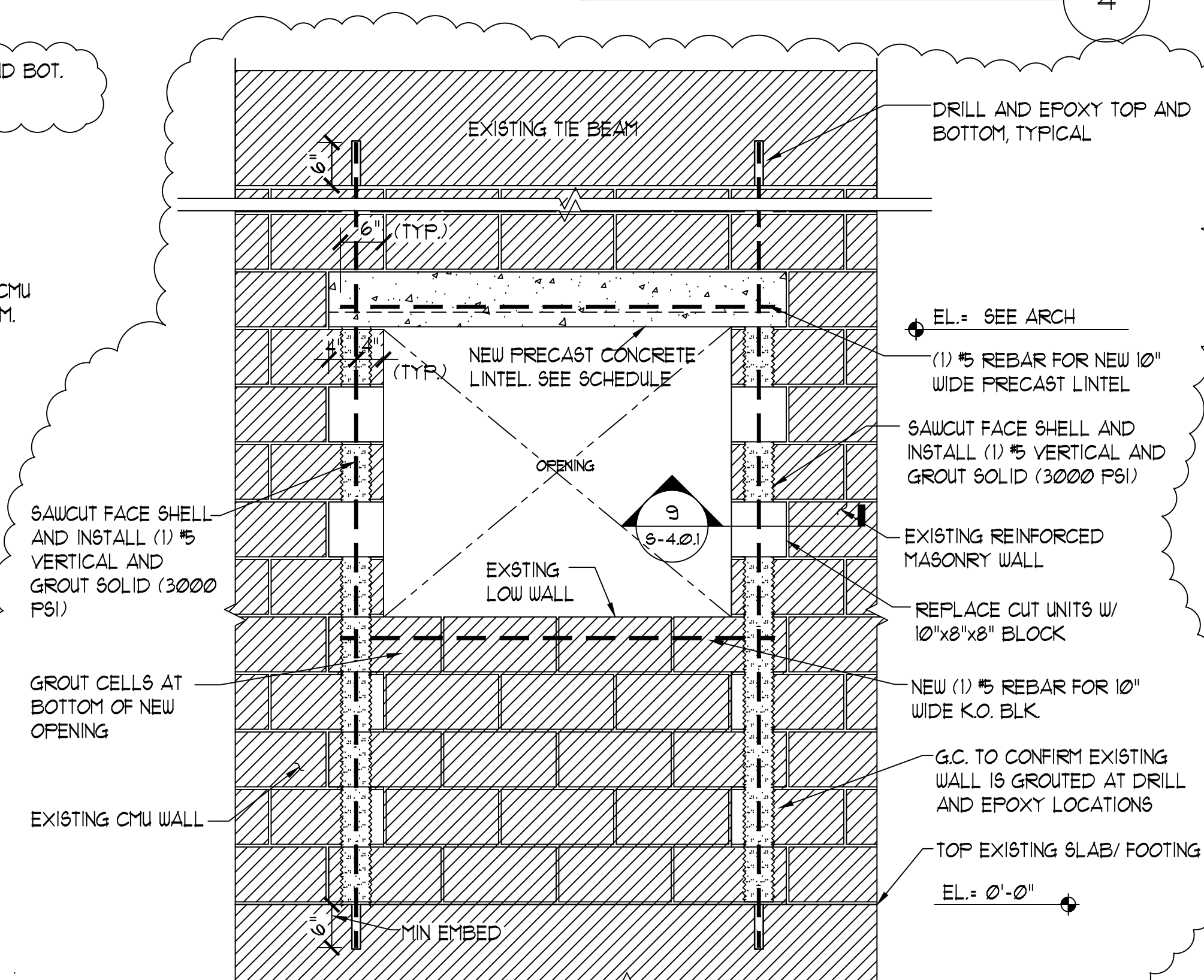
**10" MASONRY BOND
BEAM CONNECTION**

5



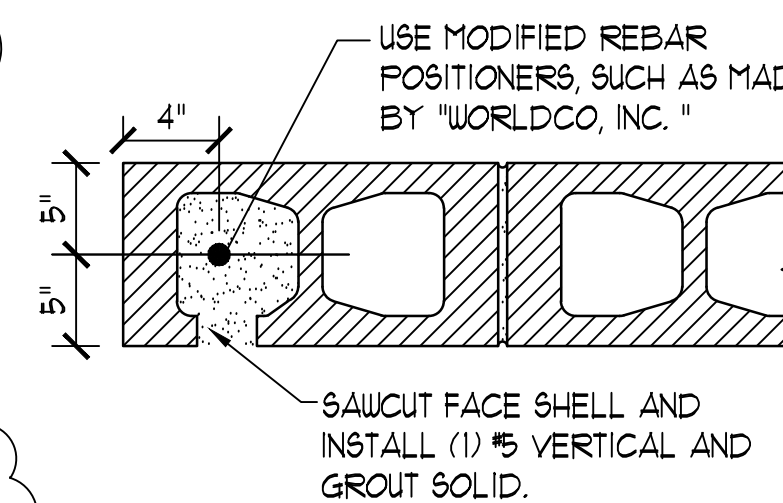
**10" MASONRY BOND
BEAM CONNECTION**

6



**NEW CONVEYOR OPENING
REINFORCING DETAIL**

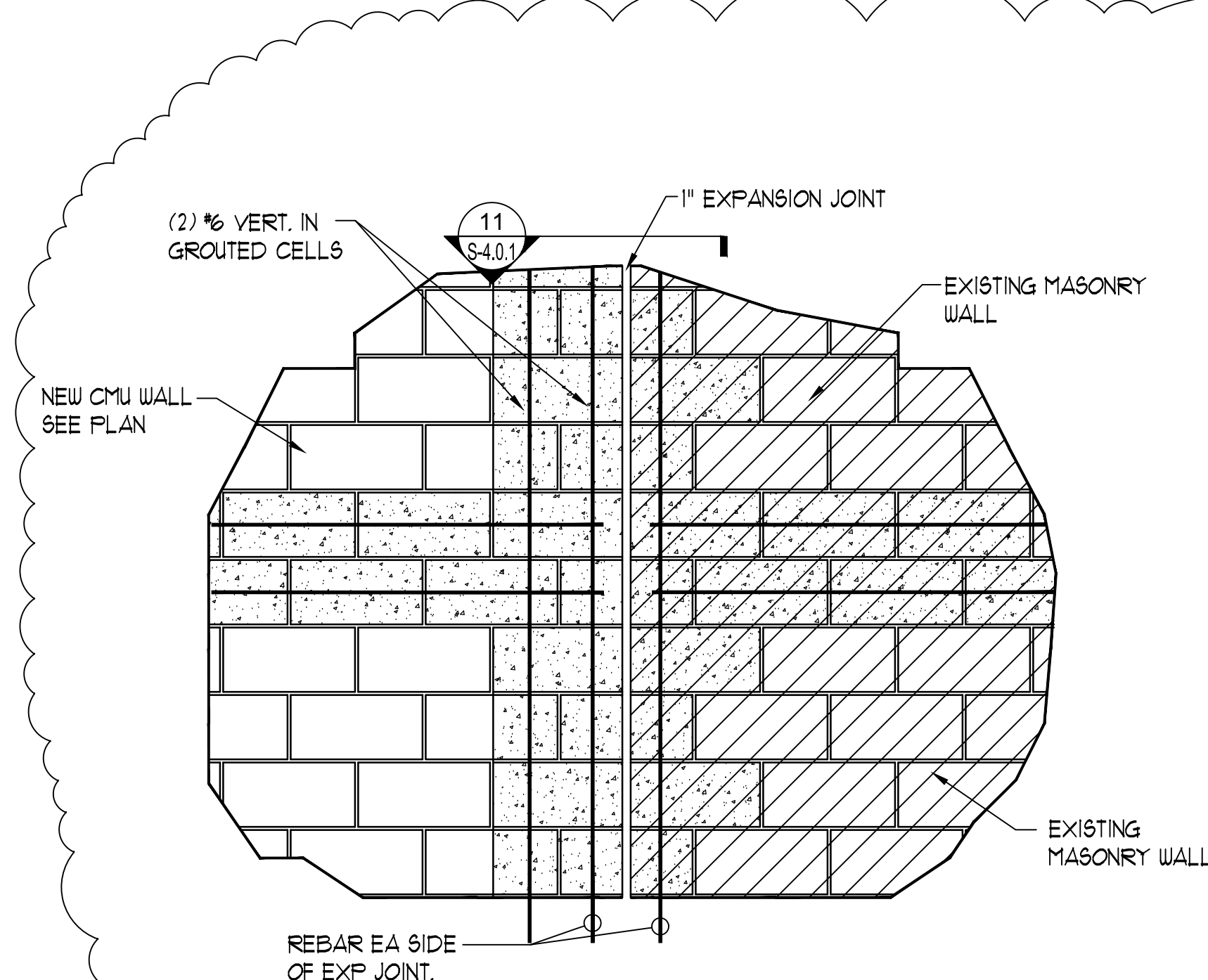
8



DETAIL

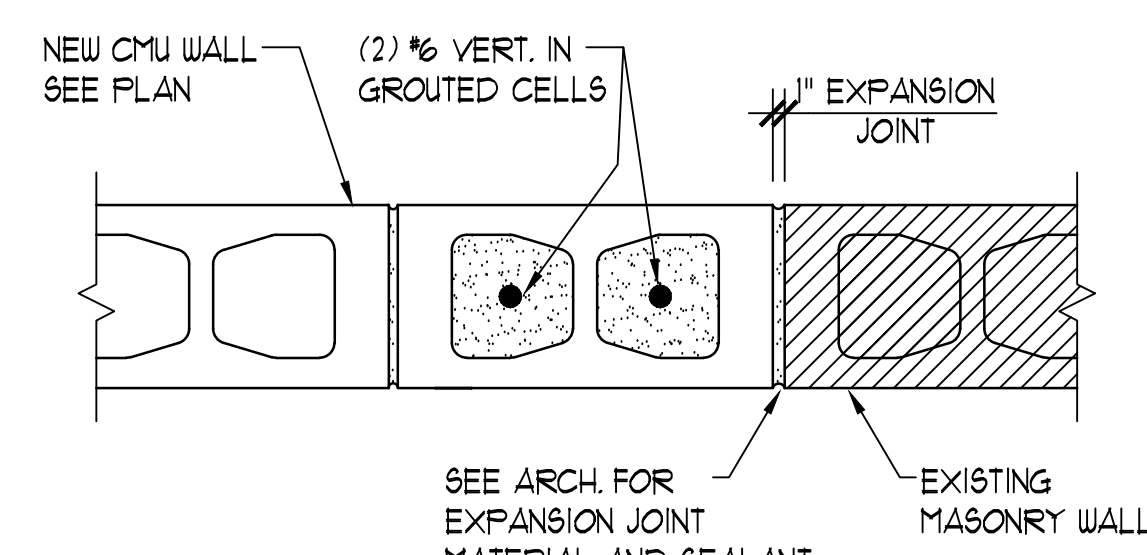
SCALE: 1 1/2" = 1'-0"

9



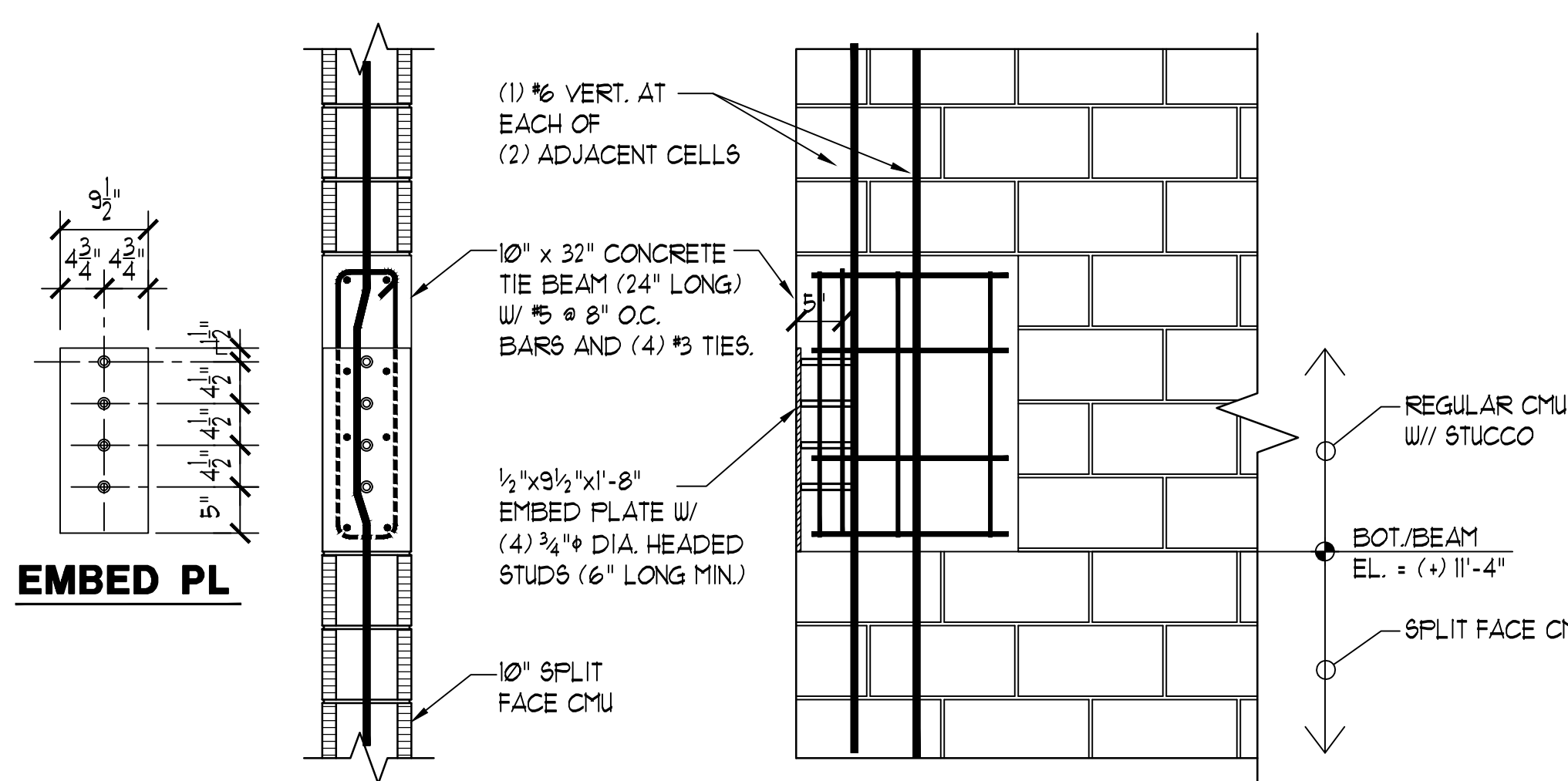
**EXPANSION JOINT
ELEVATION**

10



**EXPANSION JOINT
AT EXISTING**

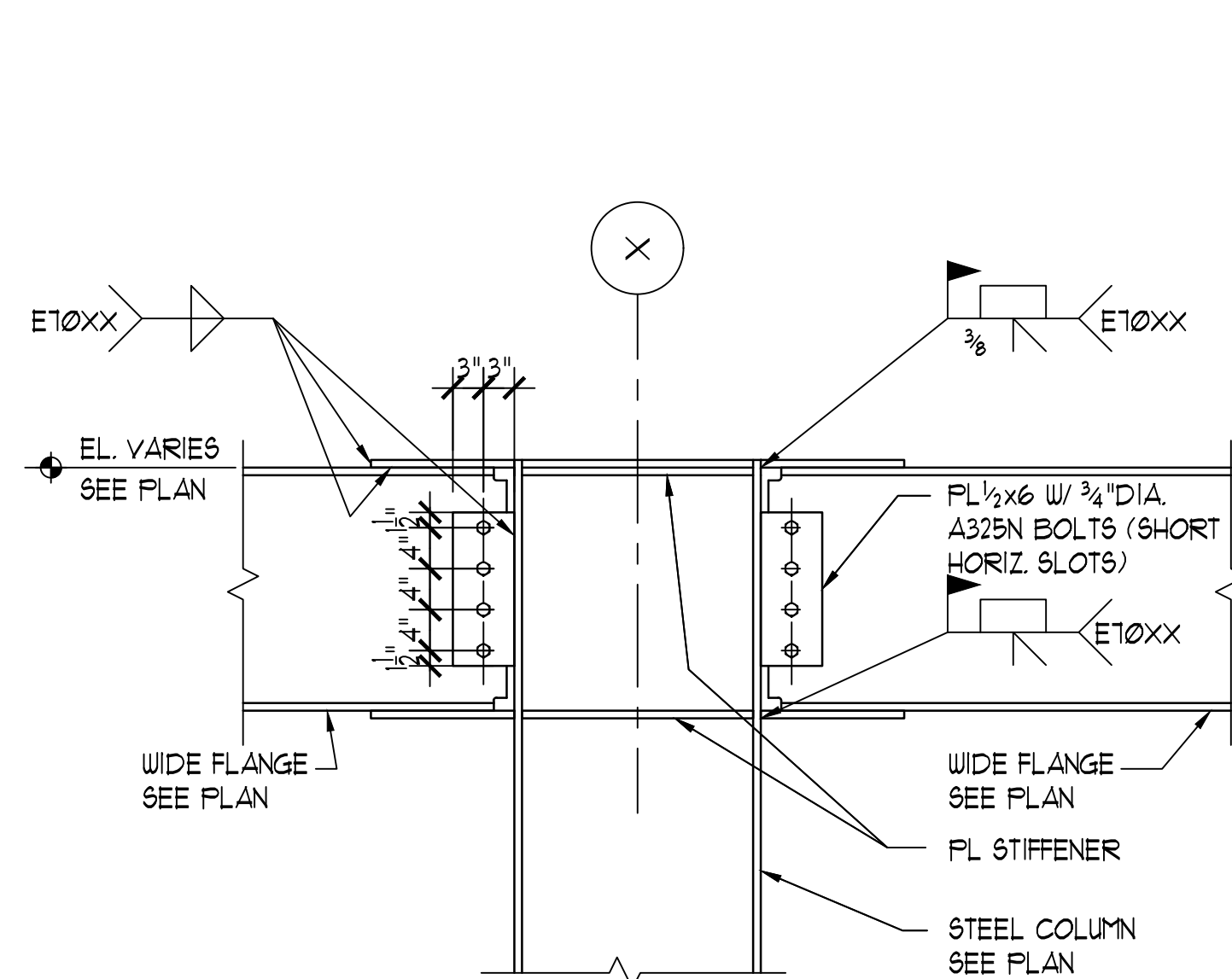
11



SECTION

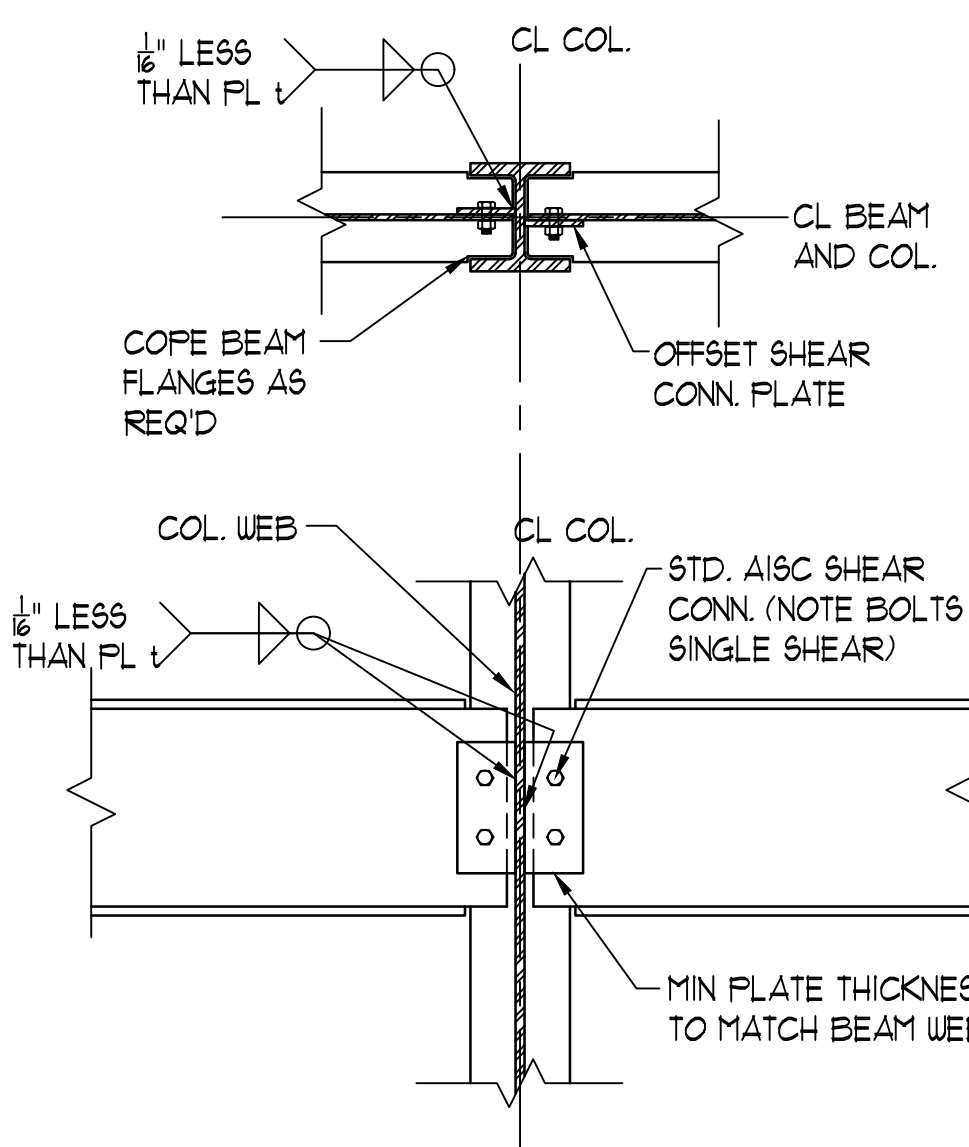
ELEVATION

12



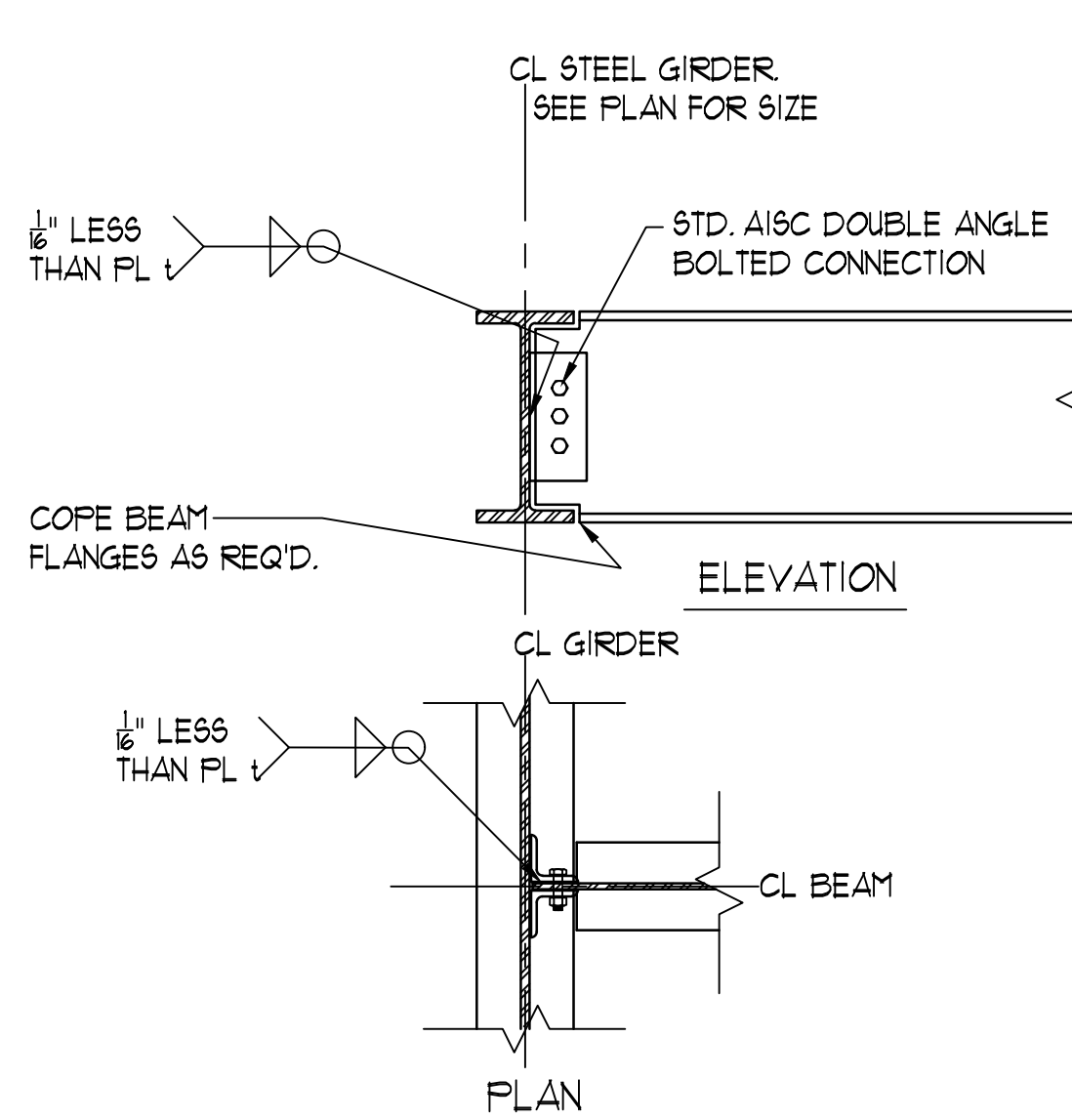
DETAIL

1



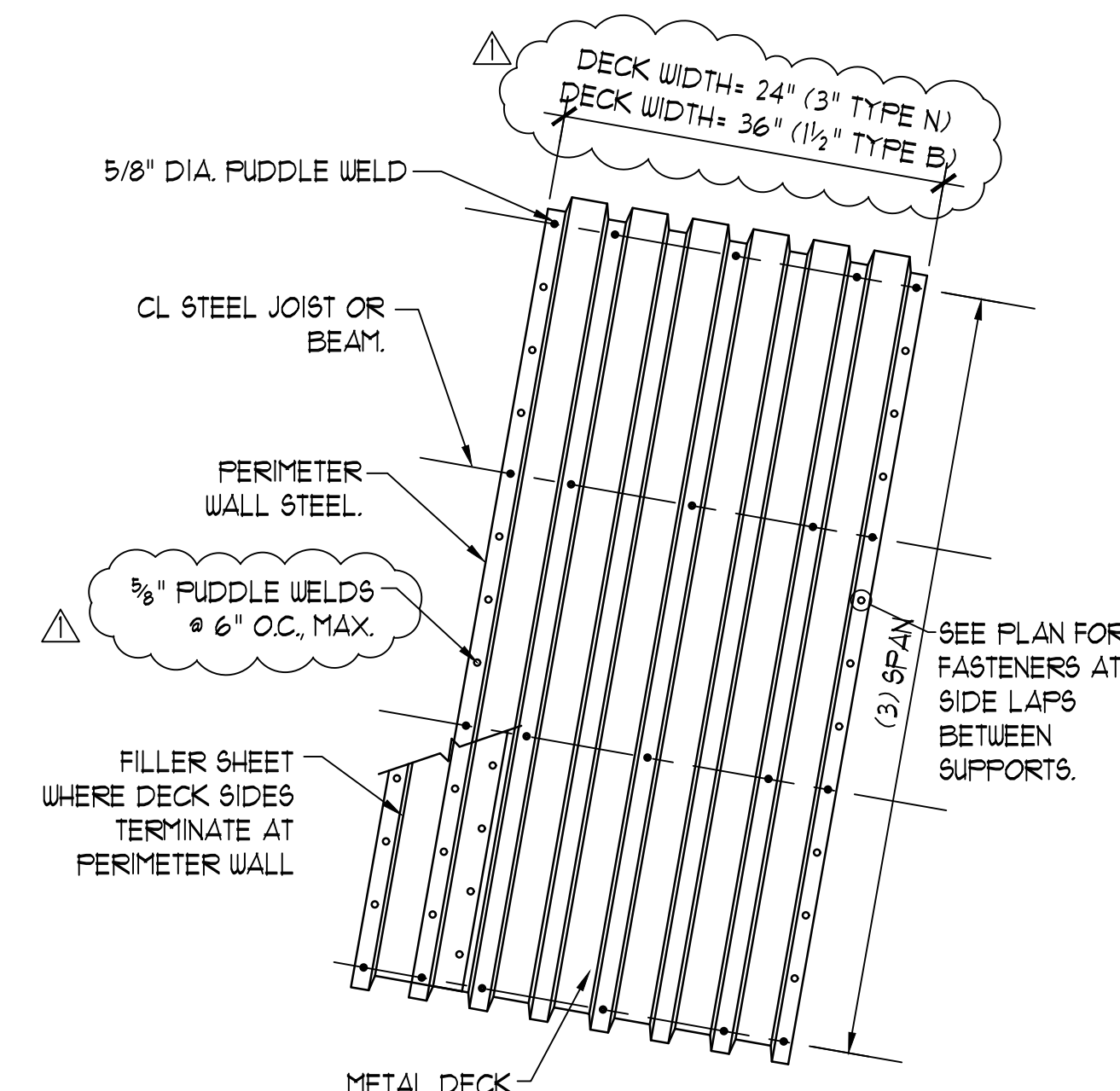
NOTE: SEE STRUCTURAL SPEC'S FOR CONNECTION DESIGN
**BEAM TO COL.
WEB CONNECTION**

2



NOTE: SEE STRUCTURAL SPEC'S FOR CONNECTION DESIGN
**BEAM TO GIRDER
WEB CONNECTION**

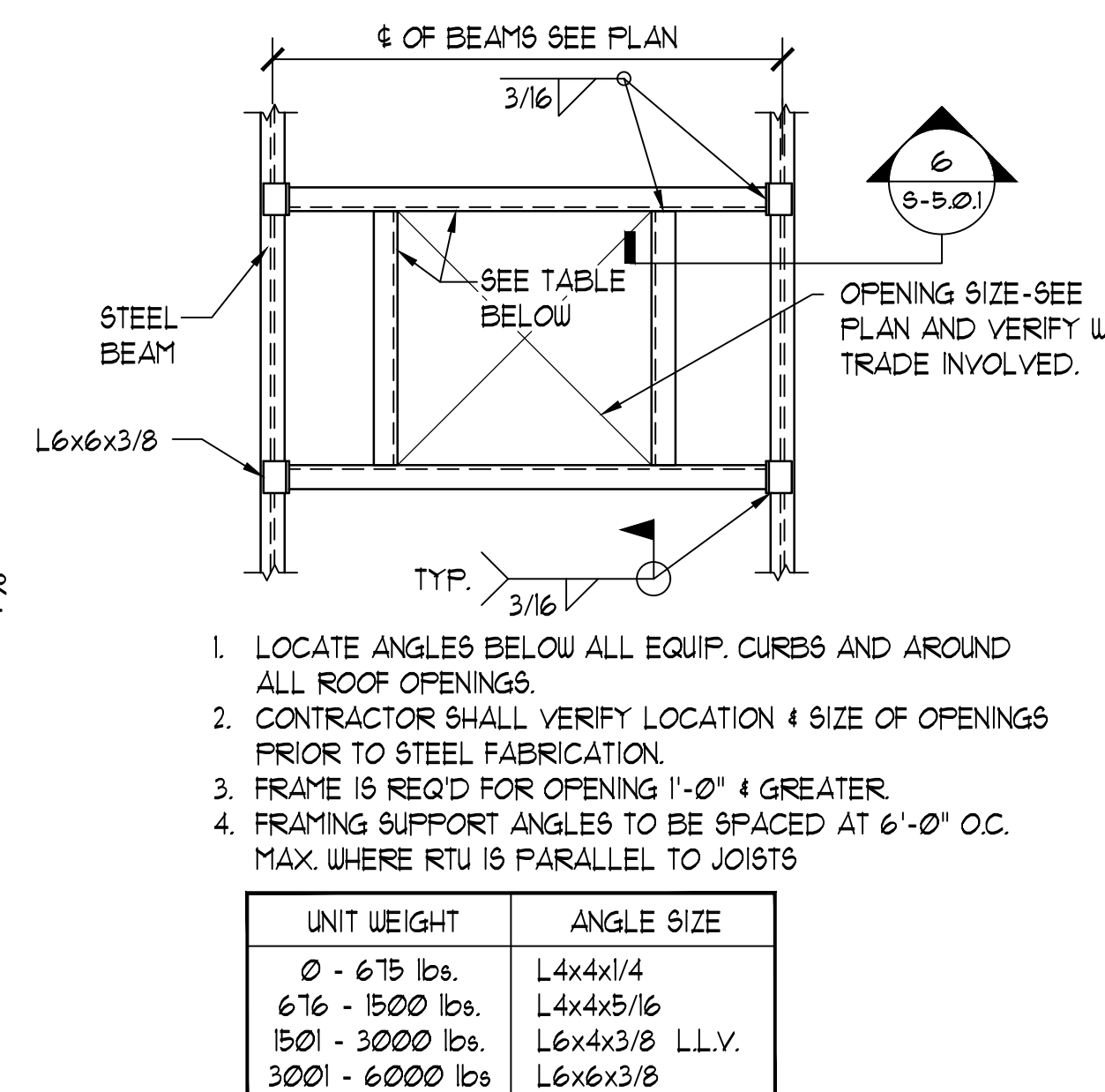
3



ROOF DECK FASTENERS

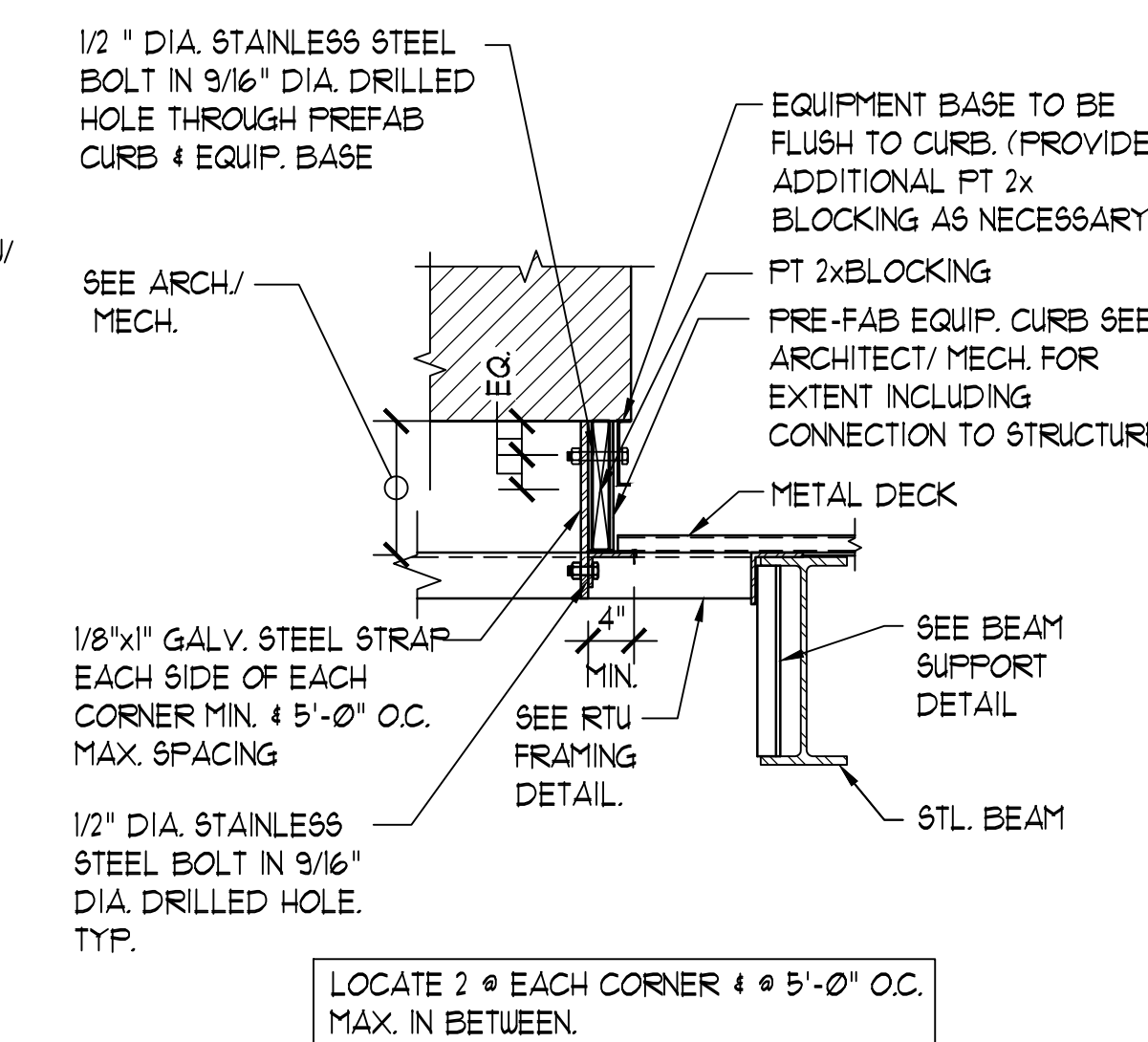
WHEN DECK STARTER SHEET LOW LIP IS WELDED TO PERIMETER AT 1'-0\"/>

4



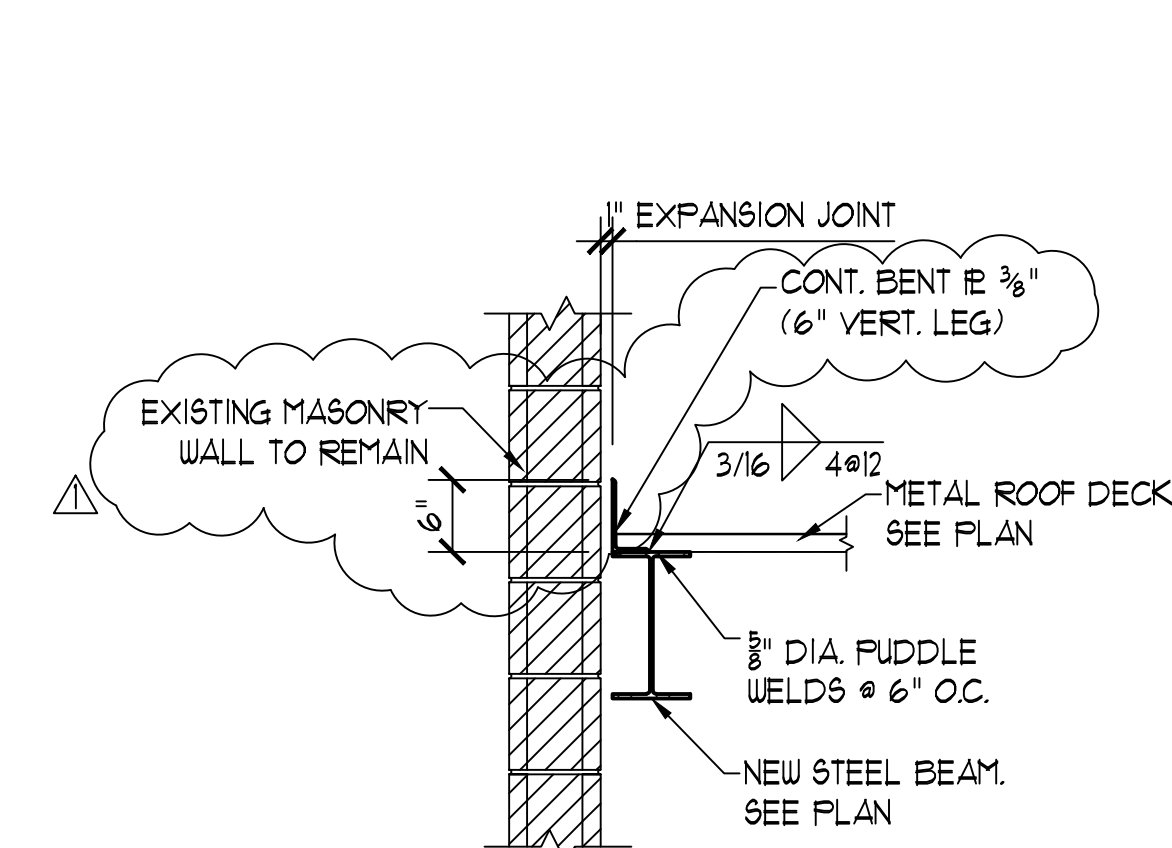
RTU FRAMING
FOR FUTURE ROOF TOP EQUIPMENT

5



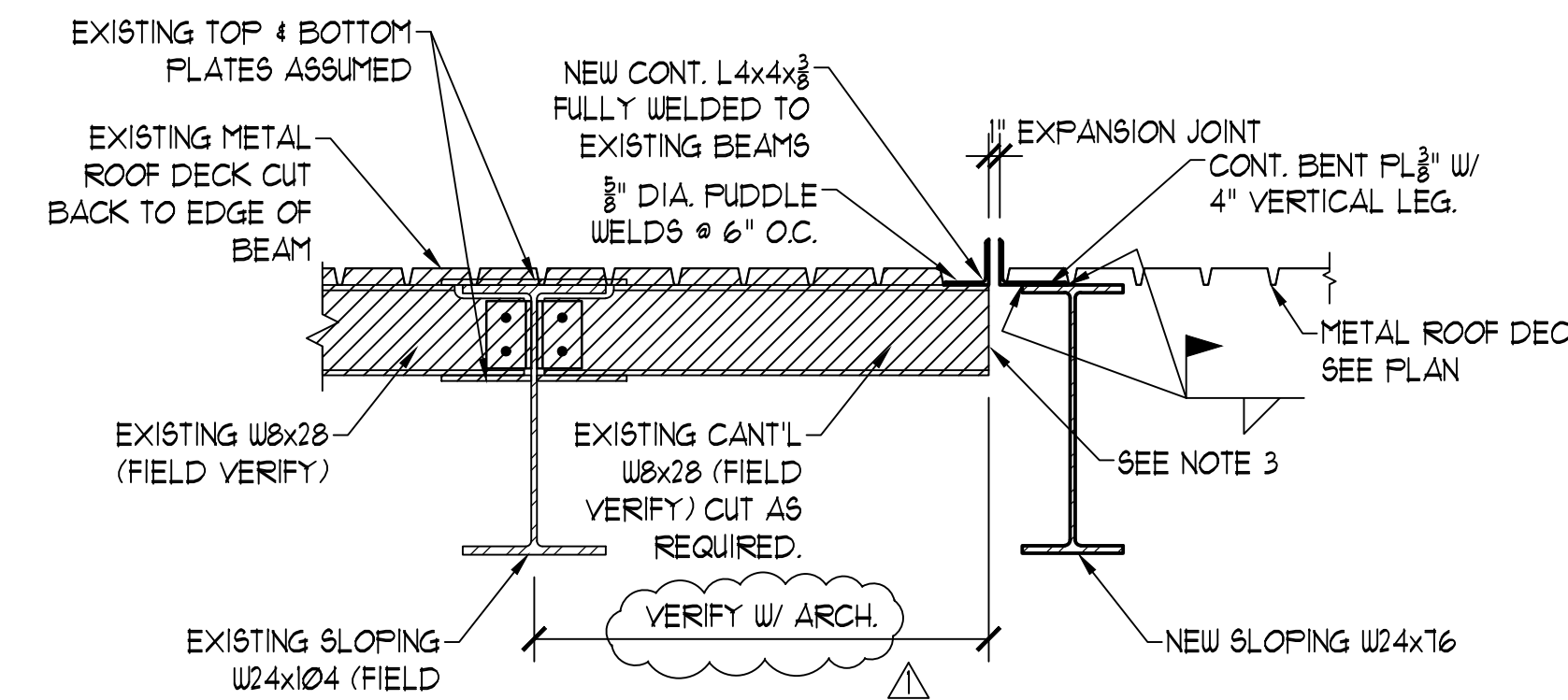
RTU HOLD-DOWN
FOR FUTURE ROOF TOP EQUIPMENT

6



LOW ROOF AT EXISTING

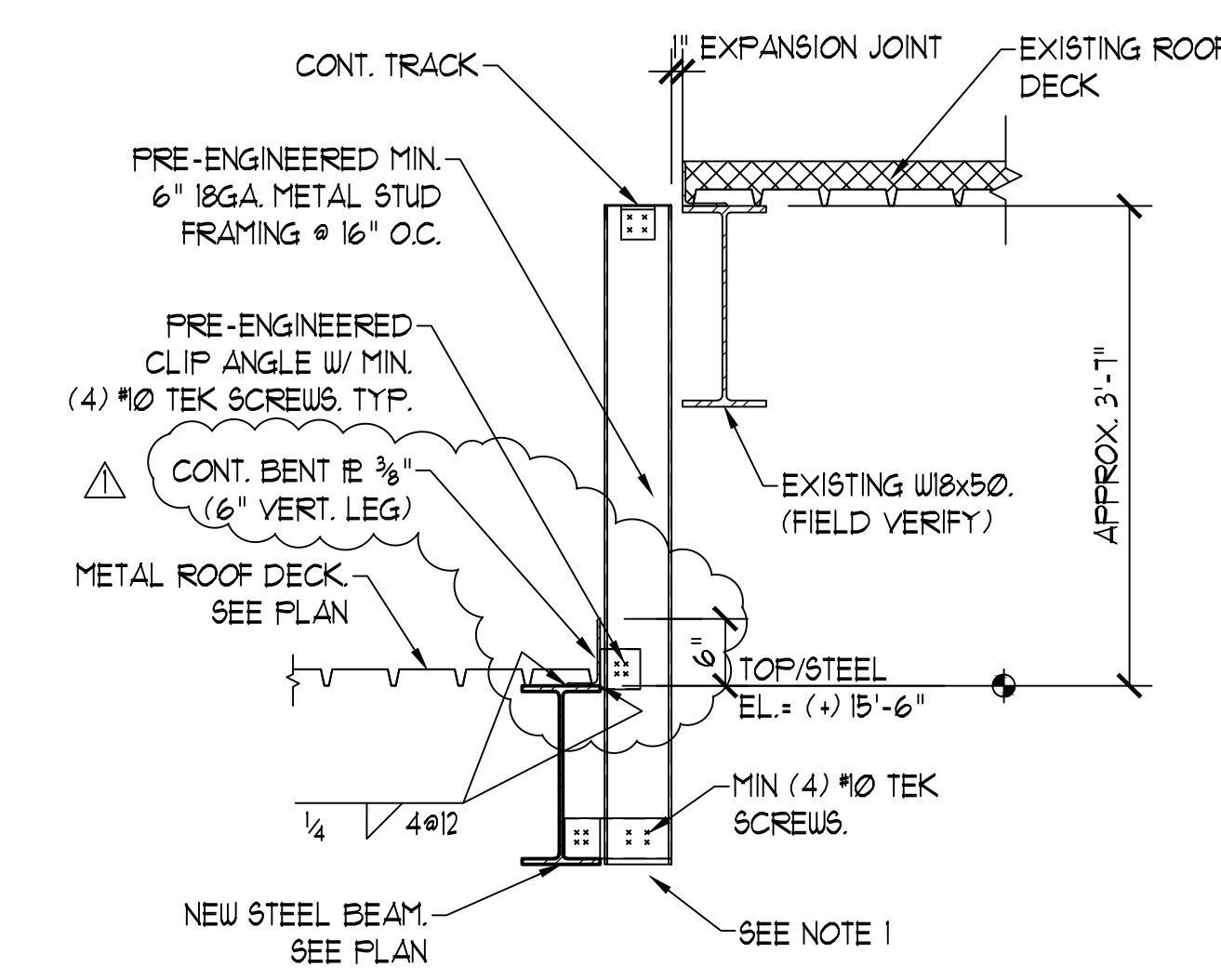
7



NOTES: 1. CONTACT A/E IMMEDIATELY IF EXISTING CONDITIONS DIFFER FROM WHAT IS SHOWN.
2. SEE ARCH. FOR NEW FLASHING DETAILS & EXISTING ROOF
3. CUT EXISTING ROOF OVERHANG BACK AS REQUIRED. USE CAUTION NOT TO DAMAGE ANY FRAMING TO REMAIN.

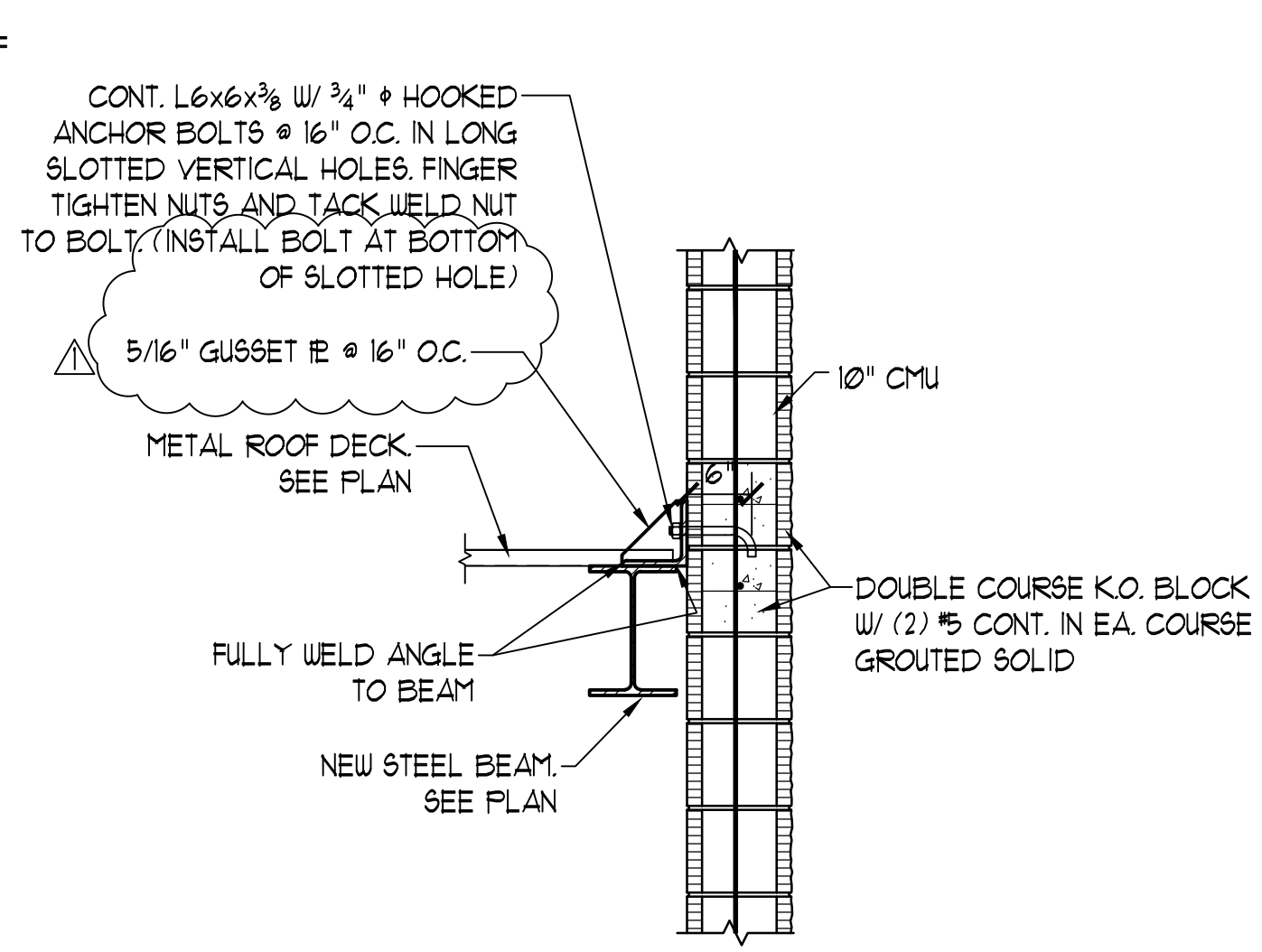
HIGH ROOF AT EXISTING

8



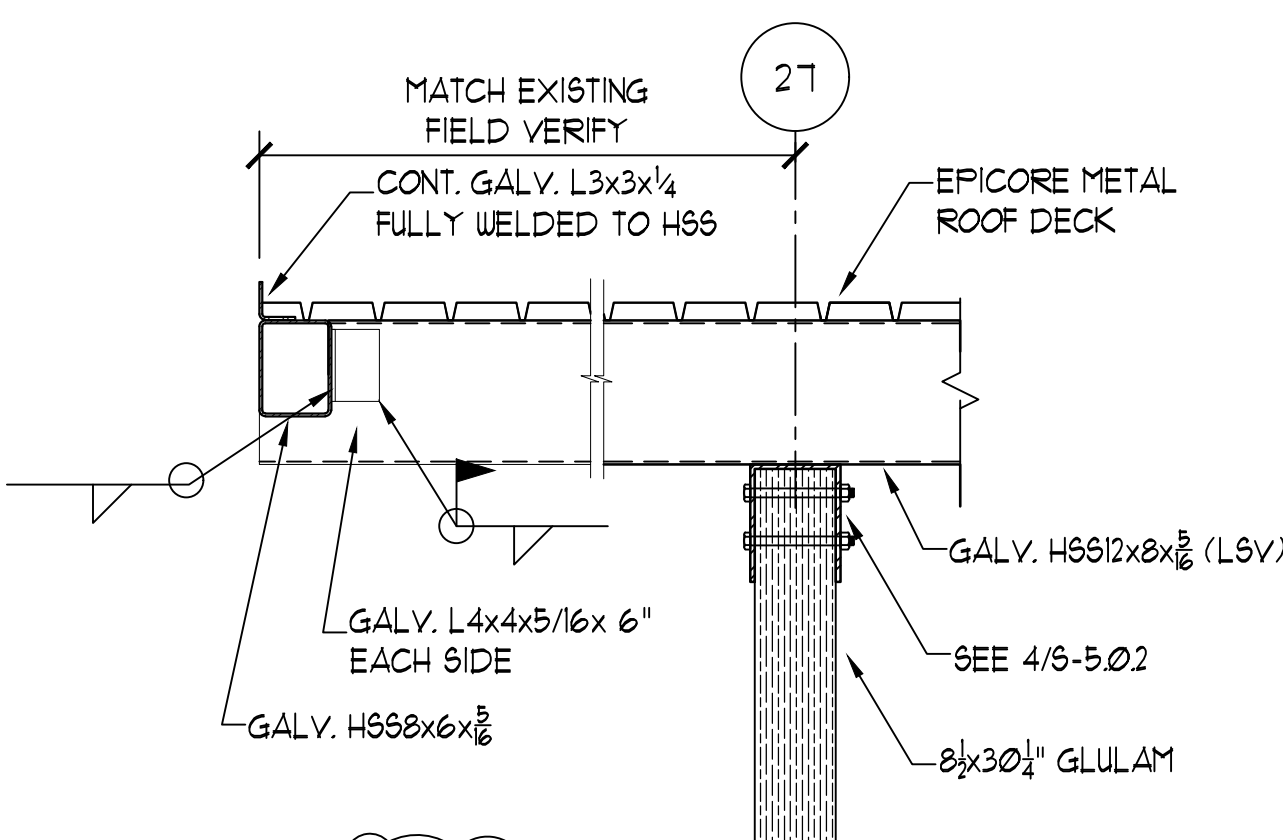
**DETAIL AT EXISTING
BAGGAGE HANDLING**

9



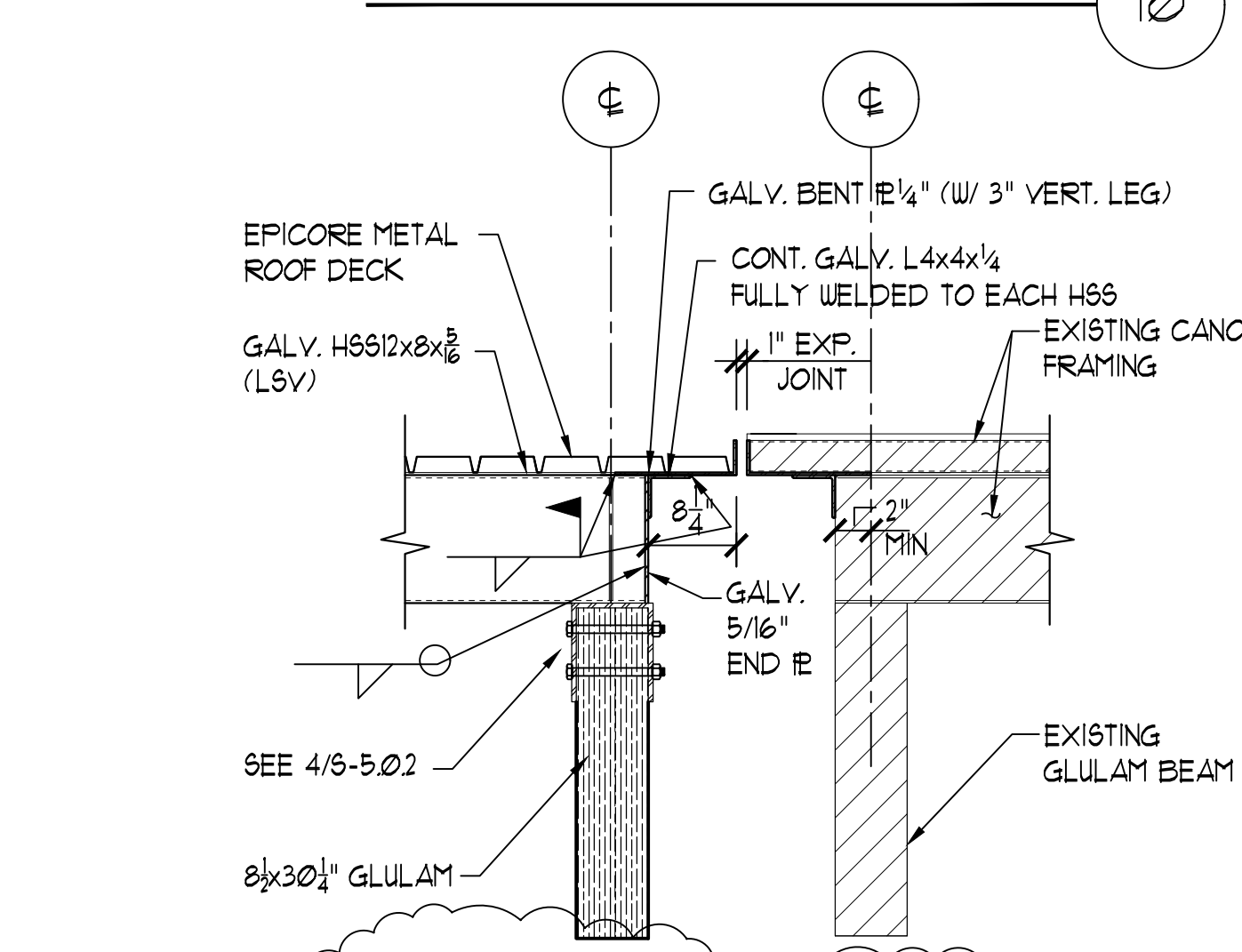
ROOF EDGE DETAIL

10



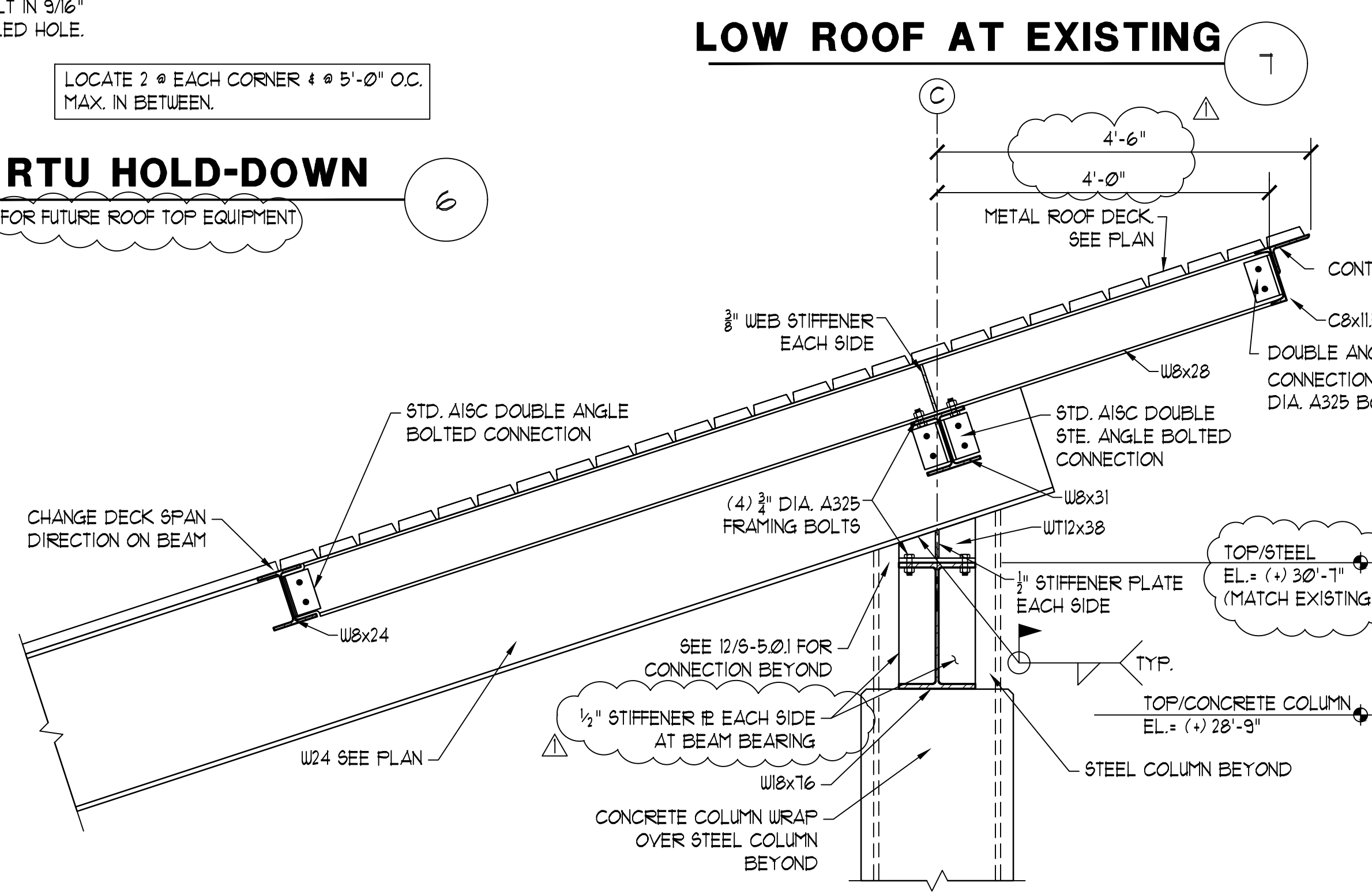
CANOPY OVERHANG

13



CANOPY EXP. JOINT

14

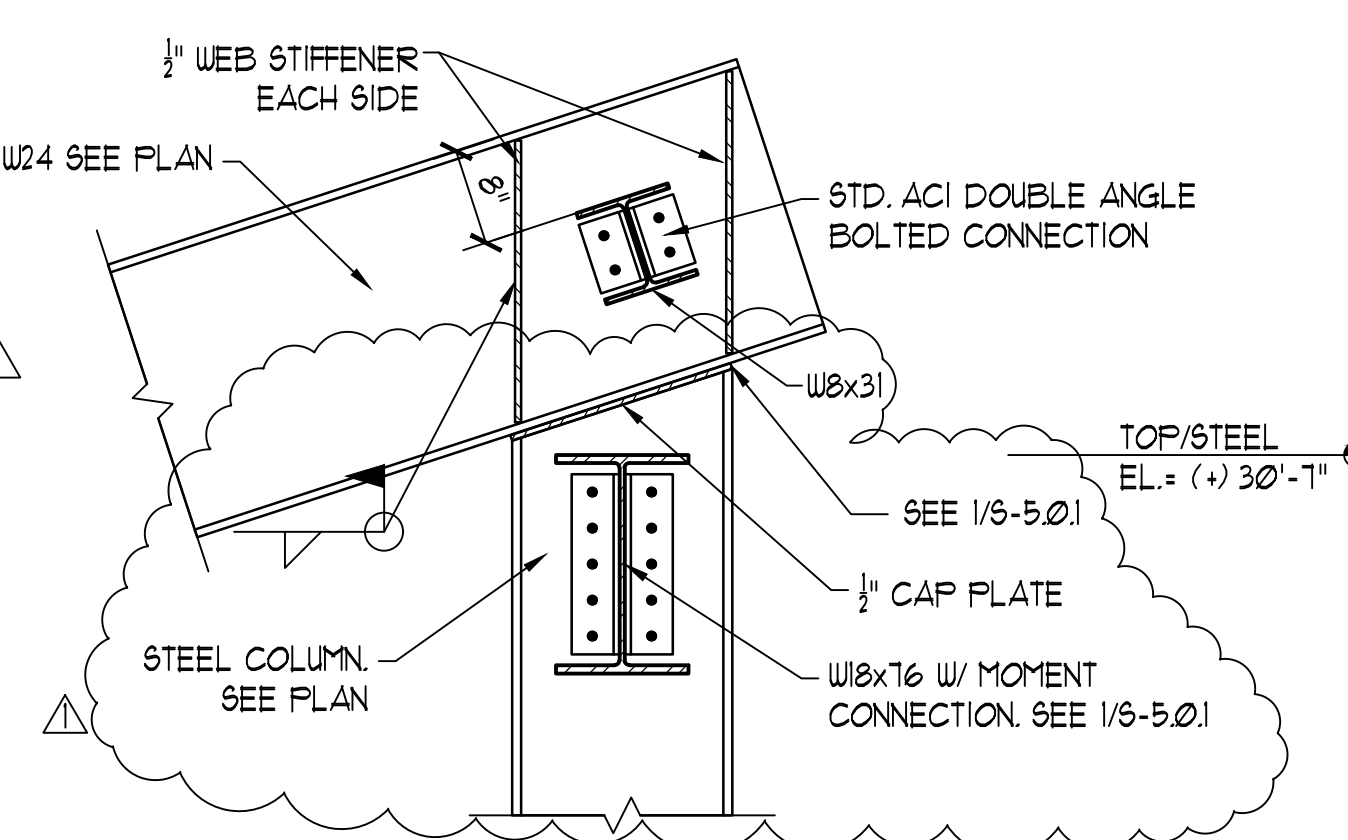


NOTES: 1. ALL STEEL TO BE HOT DIPPED GALVANIZED. TOUCH UP ALL FIELD WELDS W/ BRUSH-ON GALV. PAINT.

HIGH ROOF FRAMING

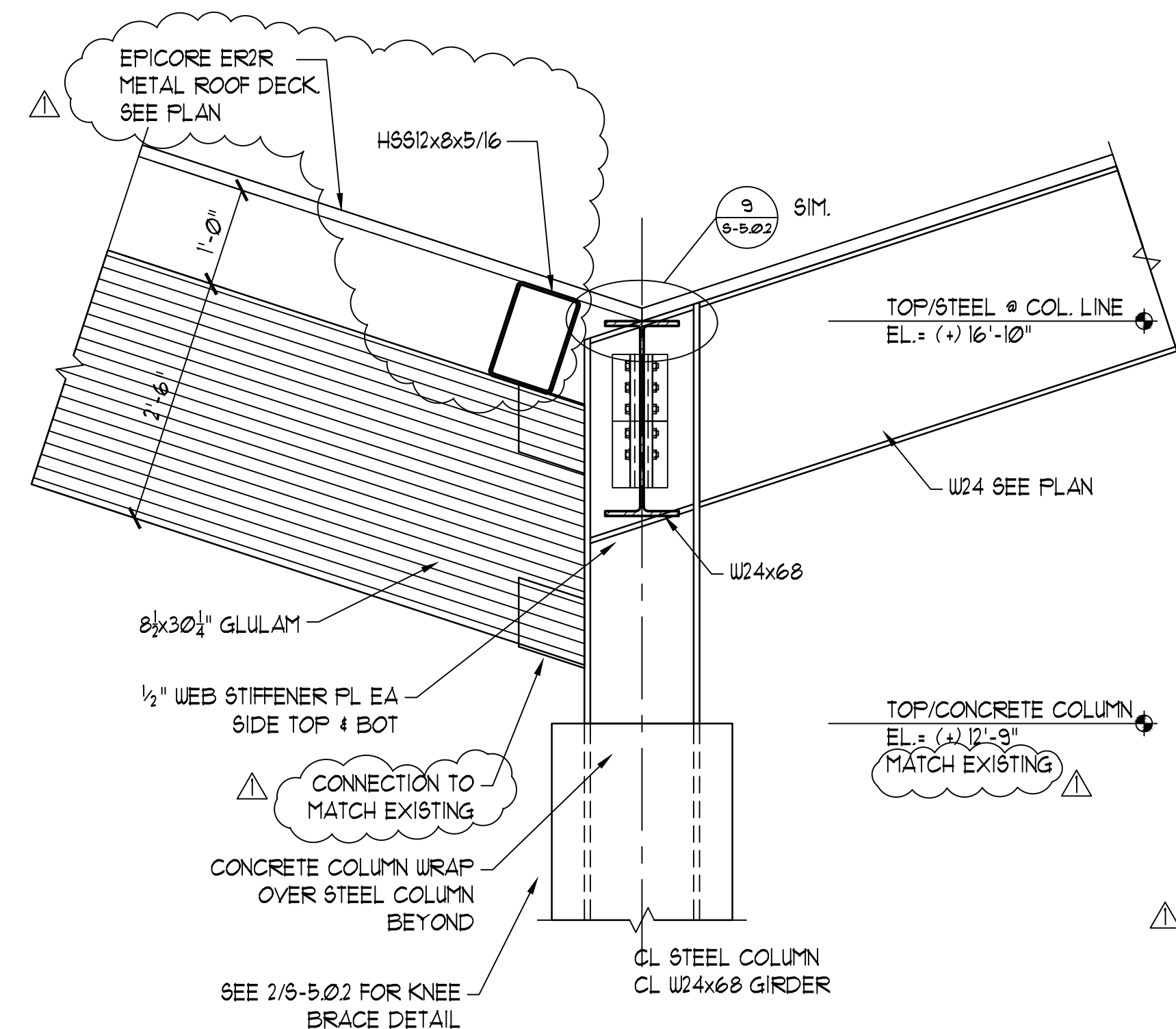
NOTES: CONFIRM OVERHANG DIMENSIONS (MATCH EXISTING)

11

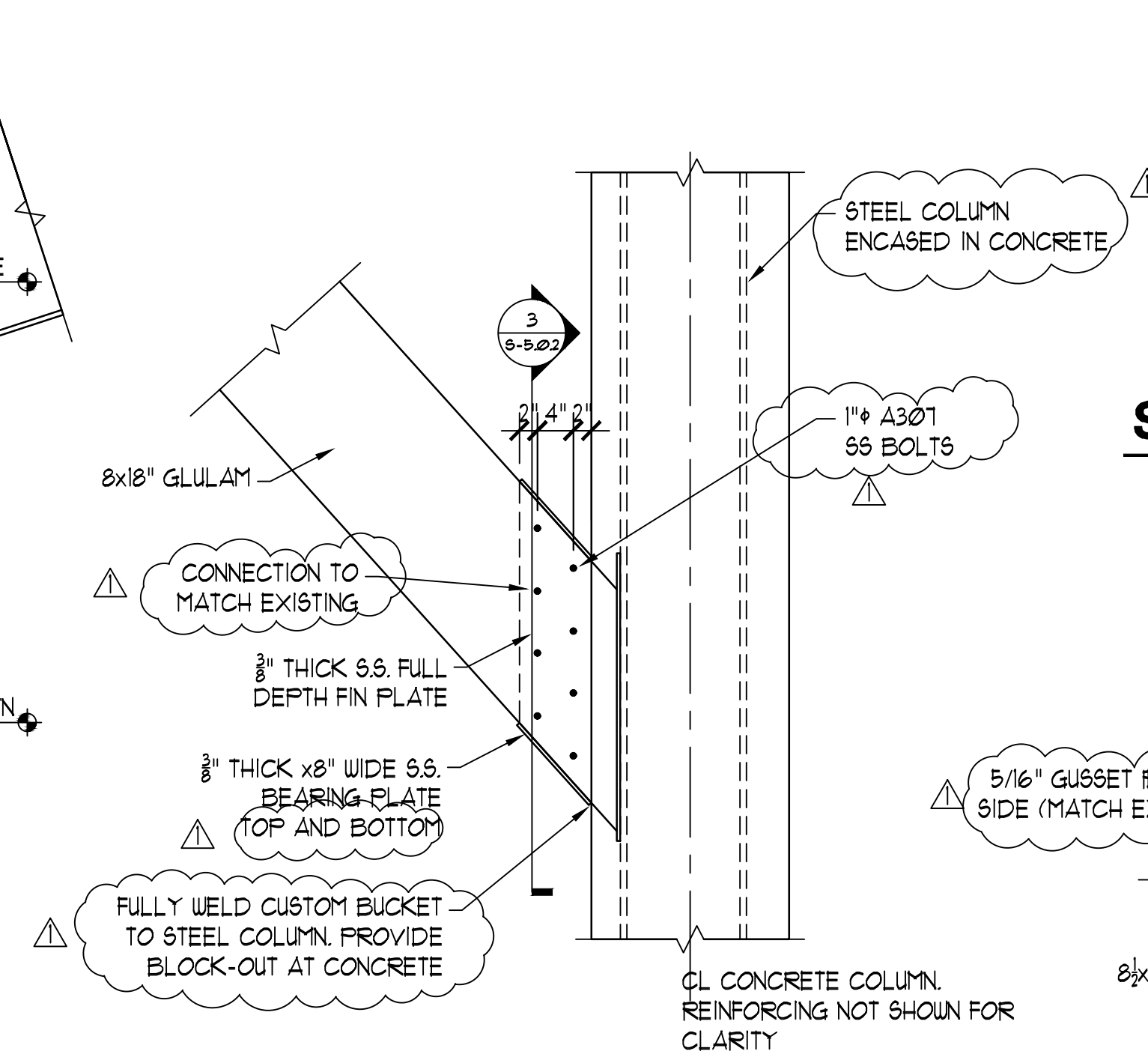


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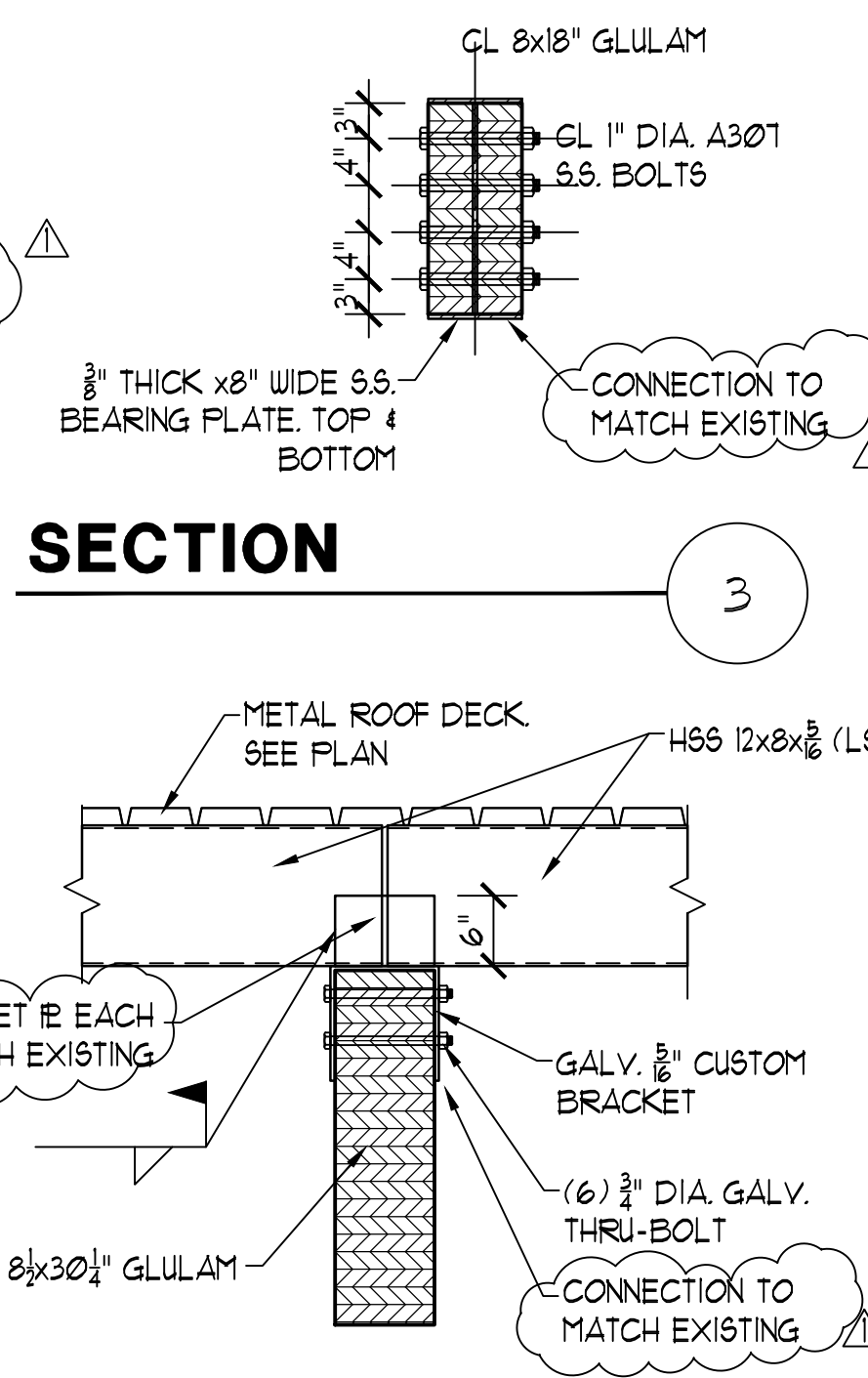
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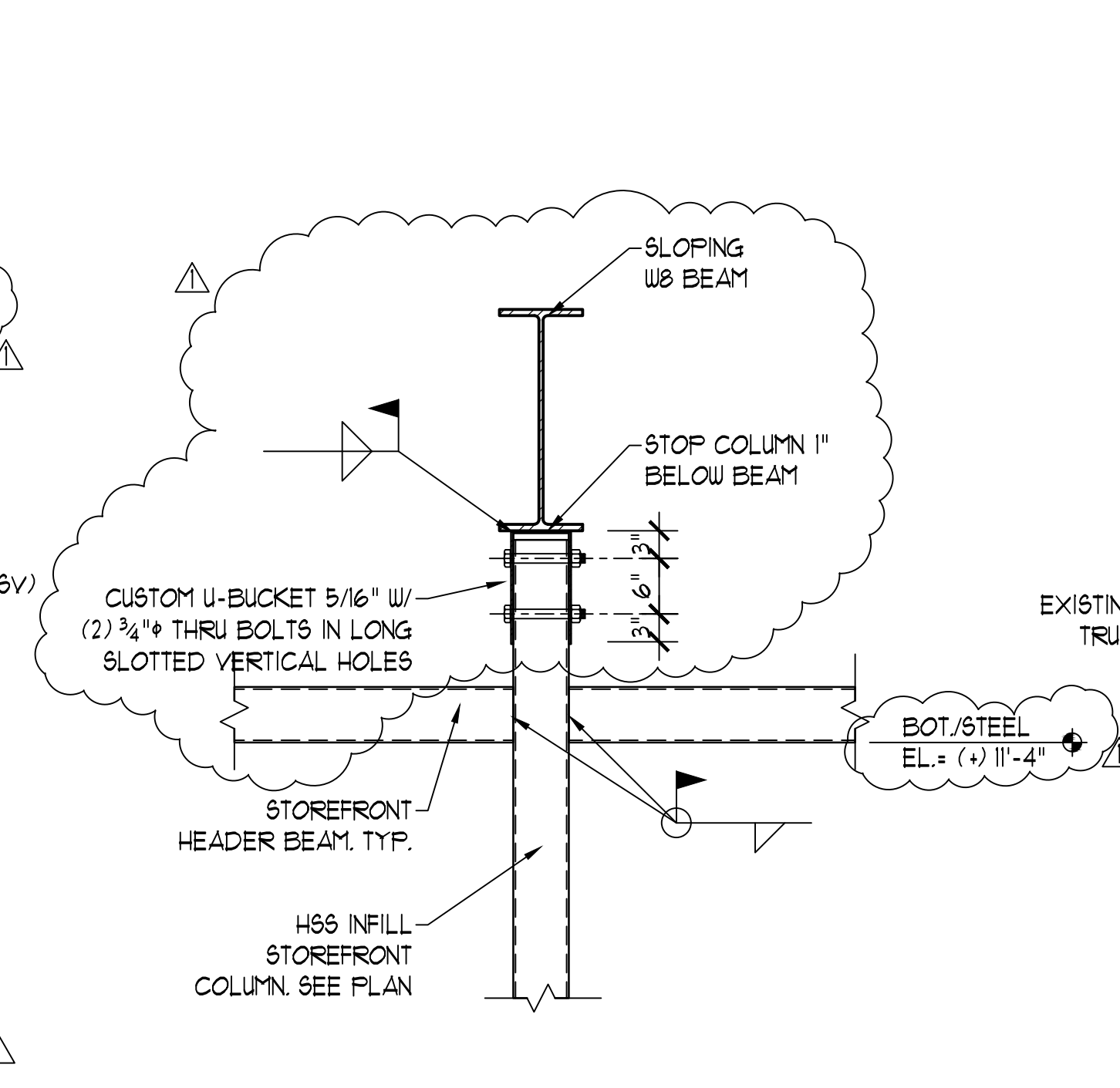
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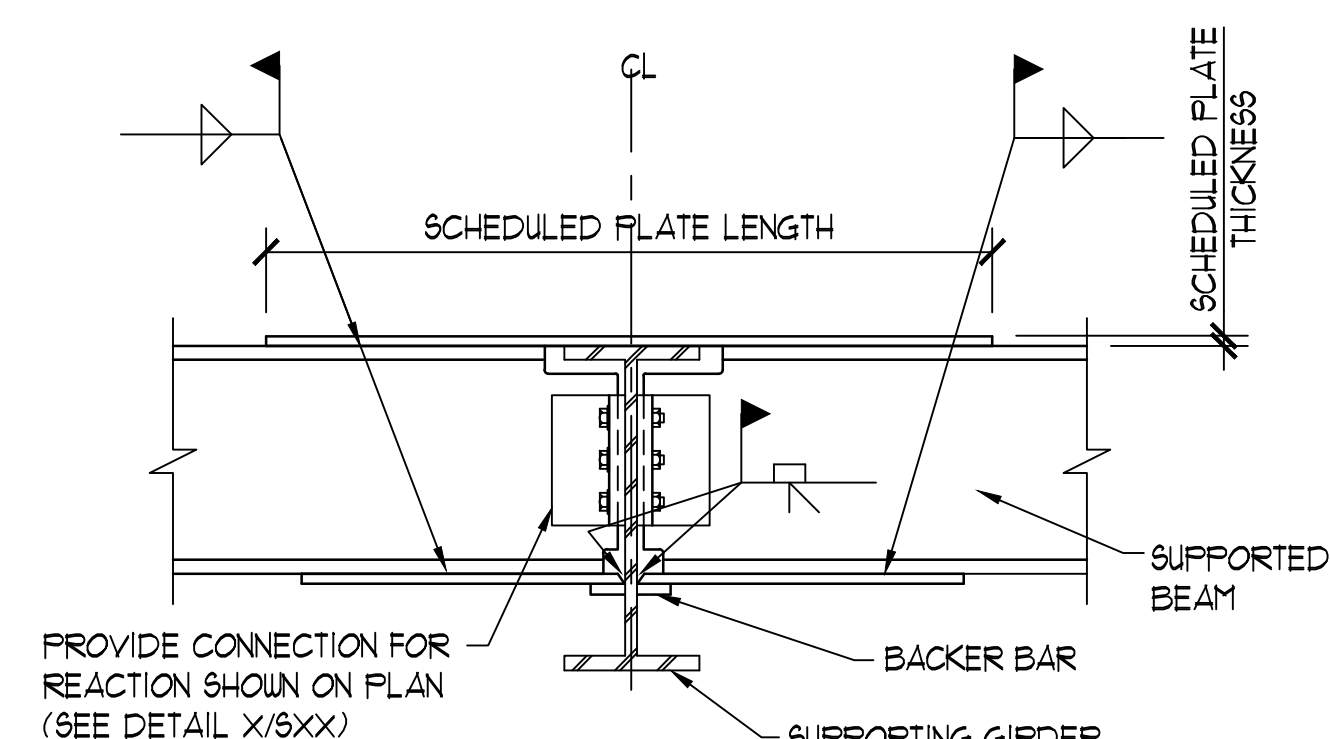
KNEE BRACE DETAIL



DETAIL AT GLULAM

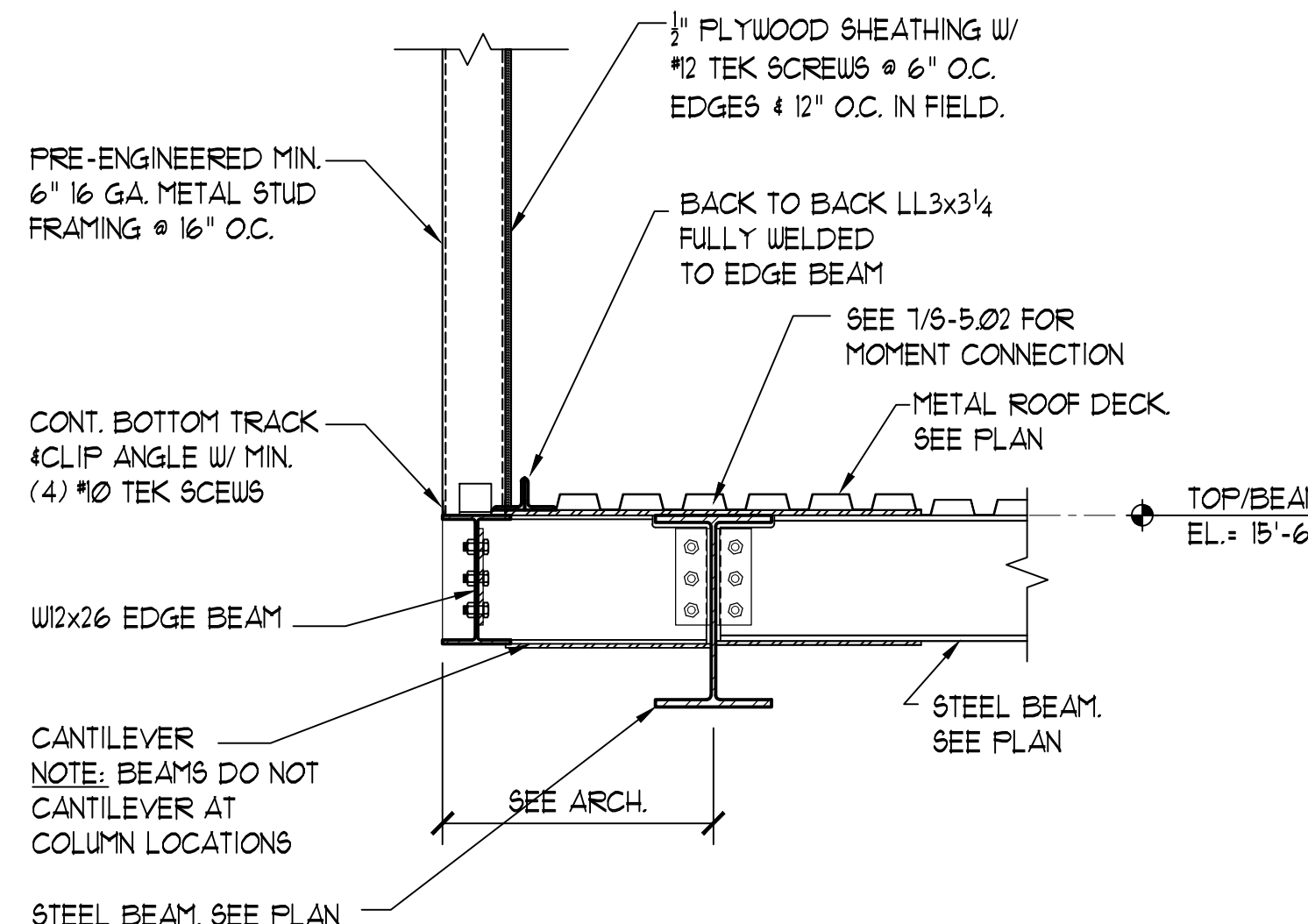


STOREFRONT FRAMING

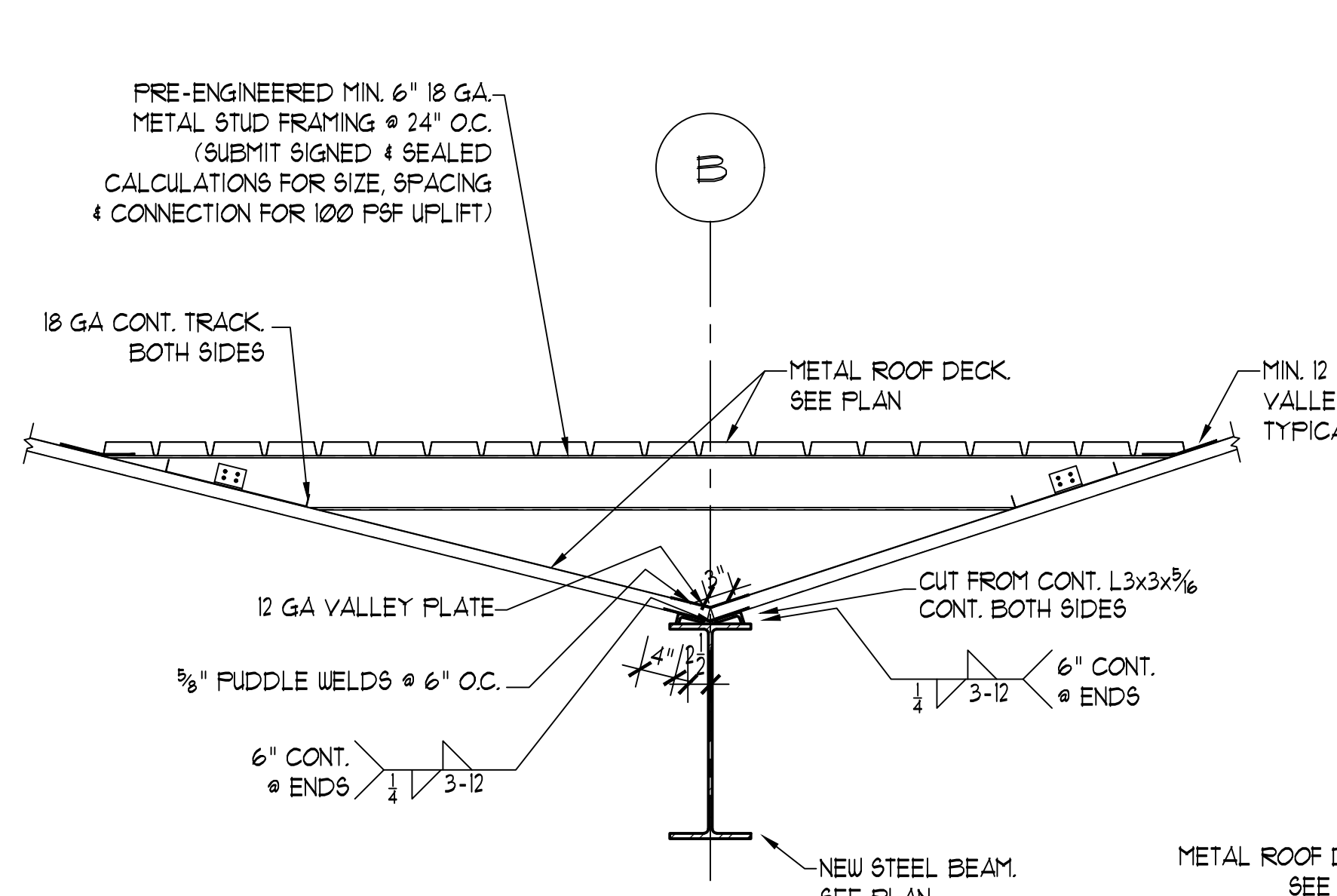


**MOMENT CONNECTION DETAIL
BEAM TO GIRDER**

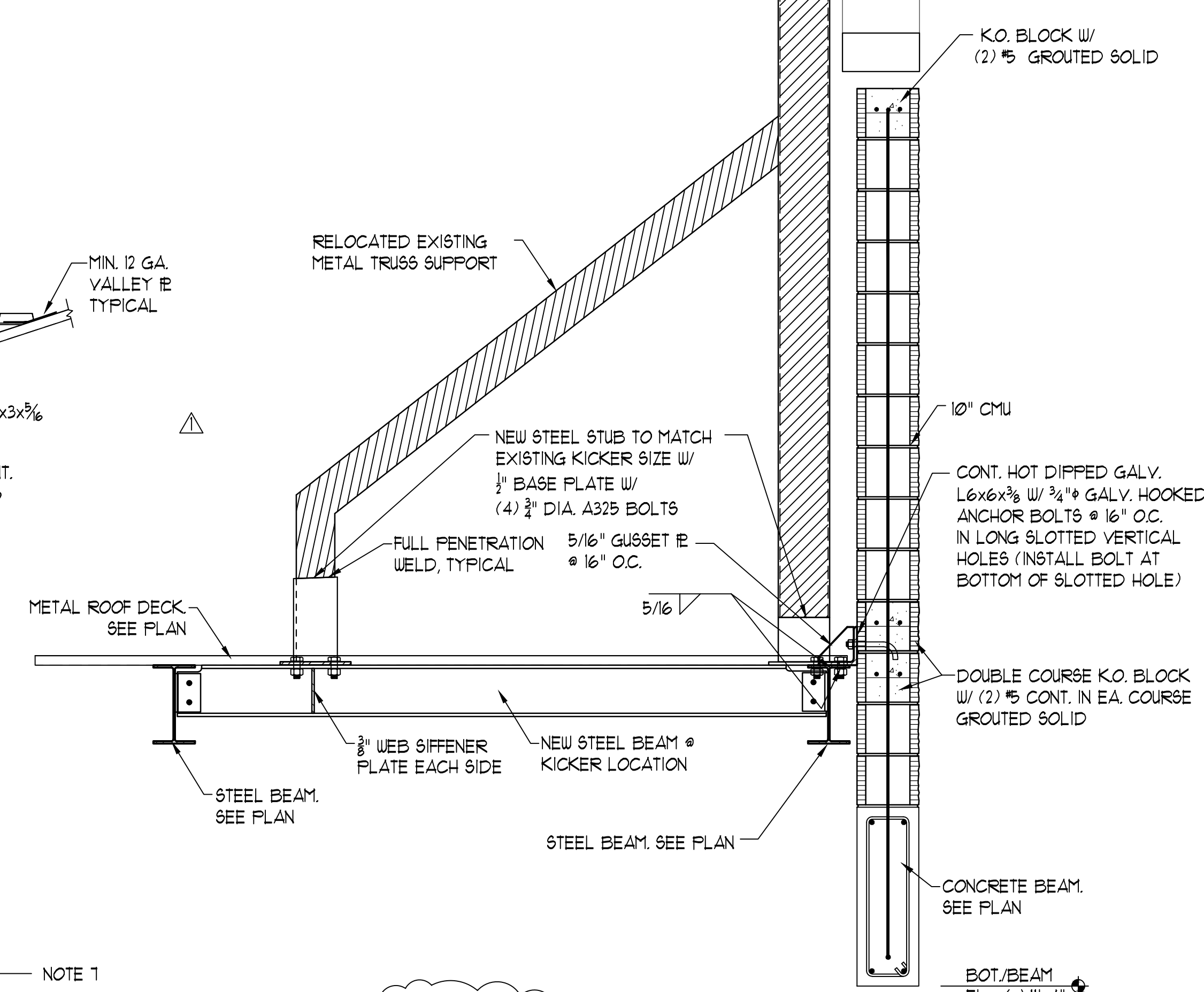
SUPPORTING GIRDER	SUPPORTED BEAM	TOP PLATE LENGTH	TOP PLATE WIDTH	TOP PLATE THICKNESS	BOTTOM PLATE LENGTH	BOTTOM PLATE WIDTH	BOTTOM PLATE THICKNESS	WELD SIZE
W16x40	W12x40	32"	1"	1/2"	12"	9"	1/2"	1/4"
W12x104	W8x24	38"	5 1/2"	3/8"	12"	7 1/2"	3/8"	1/4"



FRAMING AT LOW ROOF

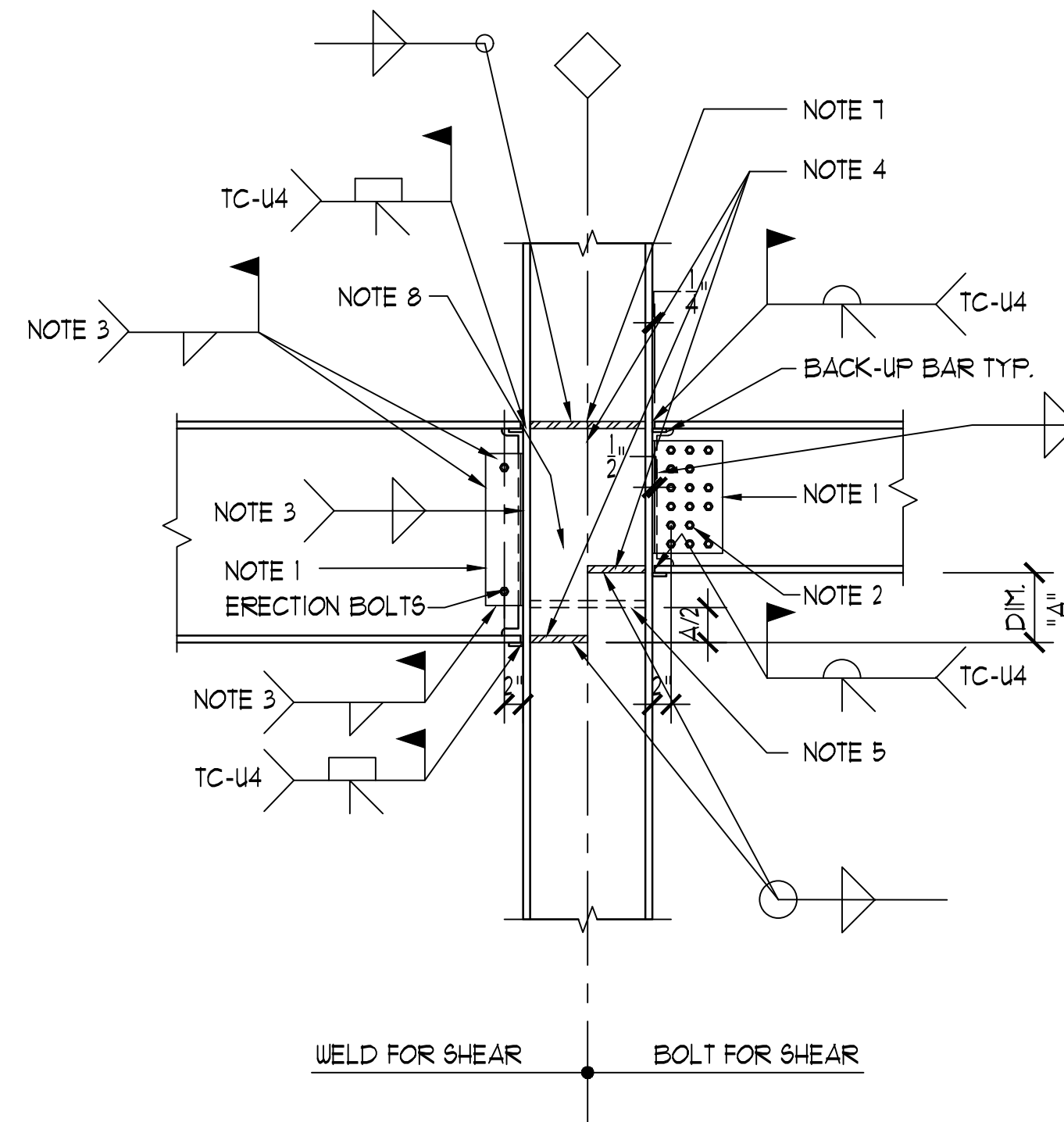


DETAIL AT VALLEY

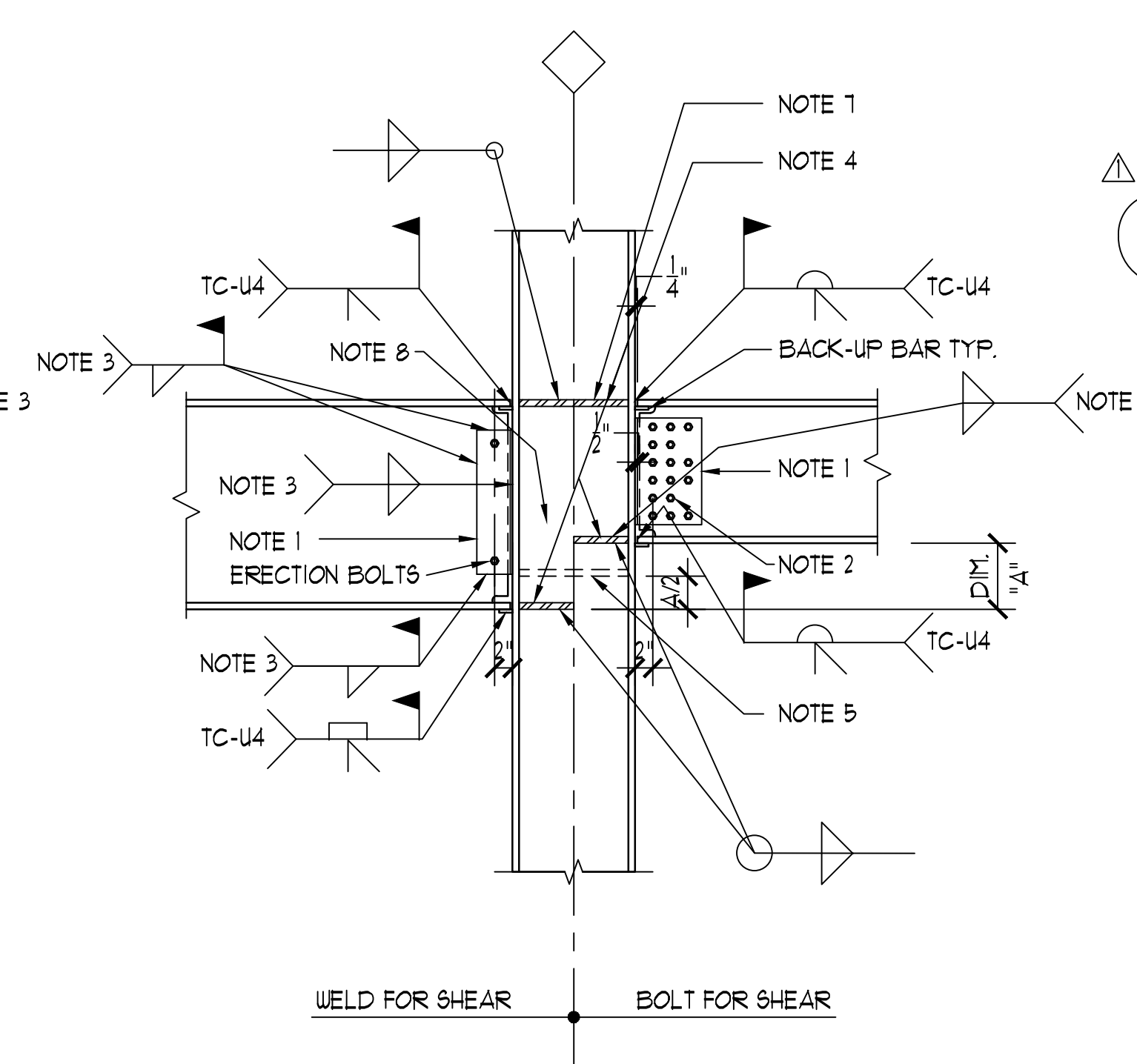


**RELOCATED TRUSS
DETAIL**

- NOTES:
1. SHEAR PLATE ONE SIDE ONLY, SIZE AS REQUIRED. OFFSET PLATE SO THAT CL. OF BEAM AND COLUMN COINCIDE.
 2. A325 FRICTION TYPE BOLTS, SIZE AND QUANTITY AS REQUIRED TO TRANSFER SHEAR. PROVIDE CLASS A FRICTION FINISH AT CONNECTING SURFACES. SHORT SLOTTED HOLES ARE PERMITTED IN SHEAR PLATE ONLY. BEAMS NOT REQUIRING ALL ROWS TO BE COMPLETELY FILLED SHALL HAVE BOLTED OMITTED AT GAGE MOST DISTANT FROM COLUMN FACE. ALL OPEN HOLES SHALL BE FILLED WITH BOLTS.
 3. SIZE WELD TO TRANSFER SHEAR INCLUDING EFFECT OF ECCENTRICITY.
 4. PROVIDE STIFFENER PLATES AS REQUIRED TO FULLY DEVELOP CAPACITY OF BEAM FLANGES.
 5. WHERE "A" IS 3" OR LESS, PROVIDE A SINGLE STIFFENER PLATE WITH CAPACITY EQUAL OR GREATER THAN LARGER BEAM FLANGE.
 6. STIFFENER PLATE THICKNESS SHALL BE INCREASED AS NECESSARY MATCHING BEAM FLANGE TO ACCOMMODATE MILL TOLERANCE IN BEAM DEPTH AND OUT-OF-SQUARE.
 7. AT TOP OF COLUMN, CAP PLATE MAY BE SUBSTITUTED FOR STIFFENER PLATES. REQUIREMENTS OF NOTE 6 AND 8 SHALL APPLY.
 8. PROVIDE DOUBLER PLATE IF REQUIRED.
 9. DELEGATE ENGINEER TO SUBMIT SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS OF ALL MOMENT CONNECTIONS.



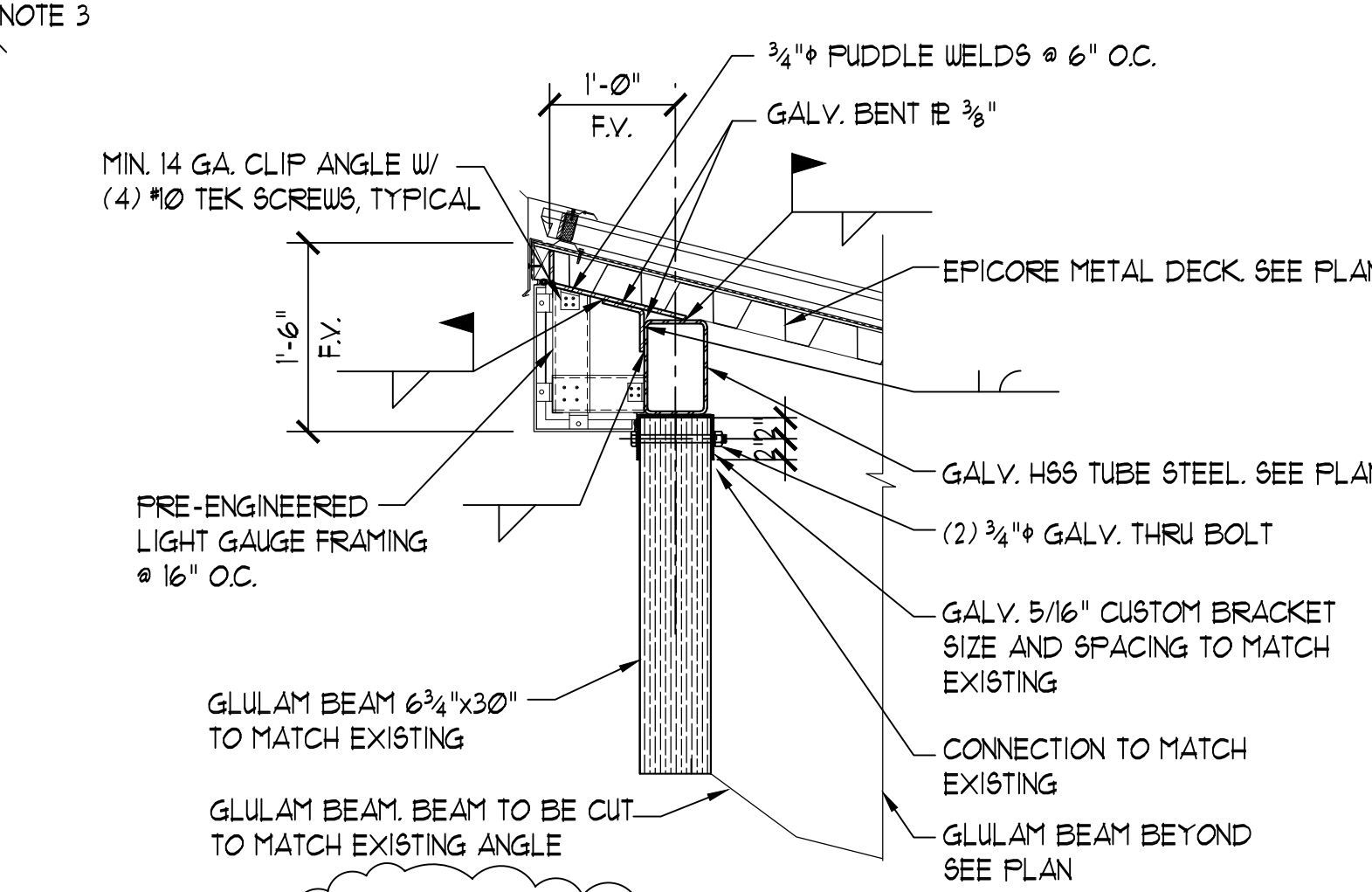
BEAM TO COLUMN FLANGE



BEAM TO COLUMN WEB

TYPICAL BEAM TO COLUMN MOMENT CONNECTIONS

NOTE: BLOCK OUT CONCRETE WRAP AT ALL STEEL BEAM TO COLUMN MOMENT CONNECTIONS



CANOPY EDGE DETAIL

REVISION		
NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT DOCUMENTS

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CLIENT

**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBIA:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

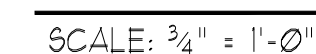
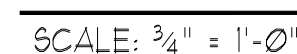
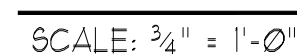
05.10.2022

DRAWING TITLE

WALL SECTIONS

SHEET NUMBER

S-6.0.1





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Justin W. Dunoon, P.E.
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Pennoni Project No. FCGP21002



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FITZGERALD COLLABORATIVE GROUP, LLC.
AA26001957



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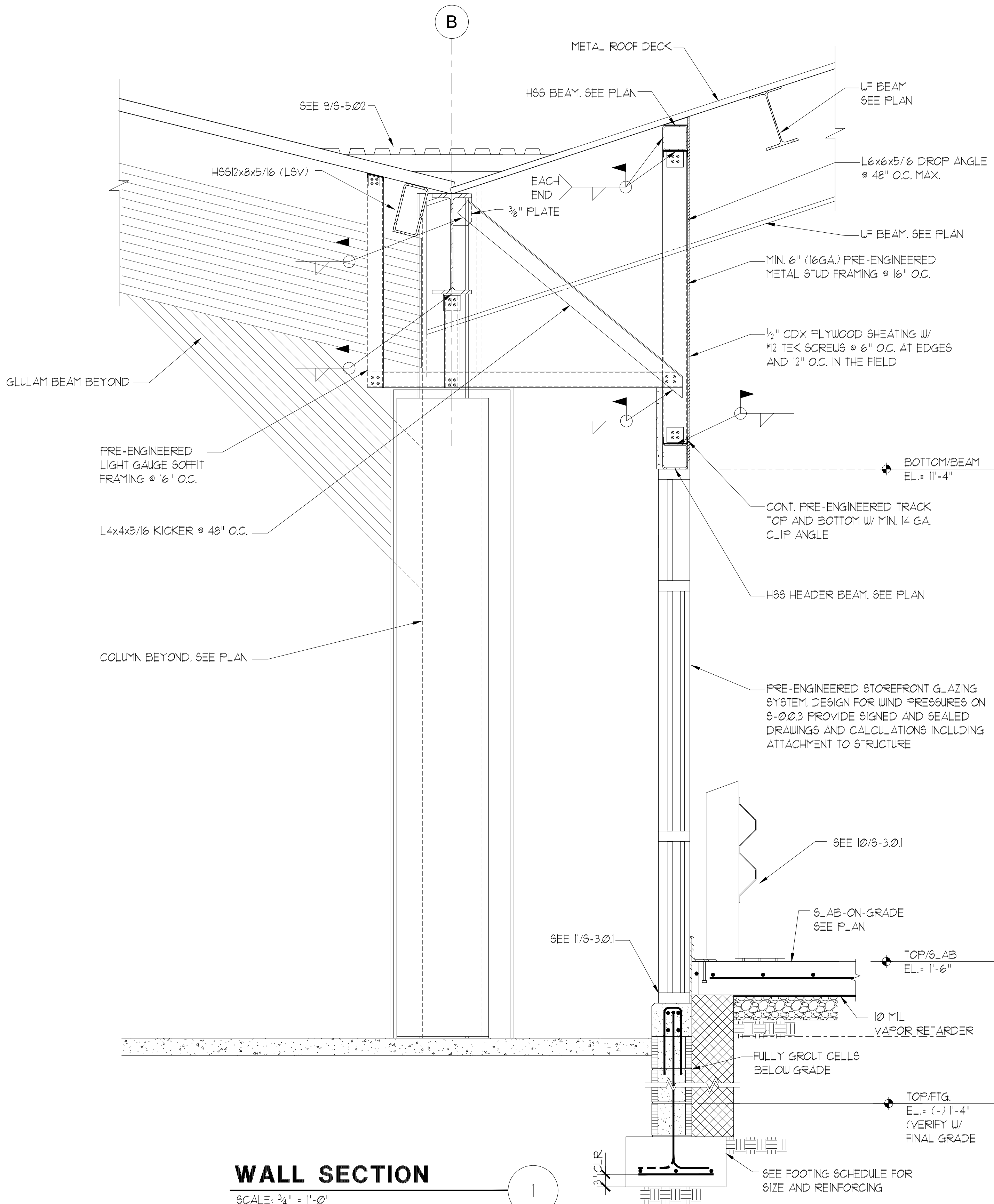
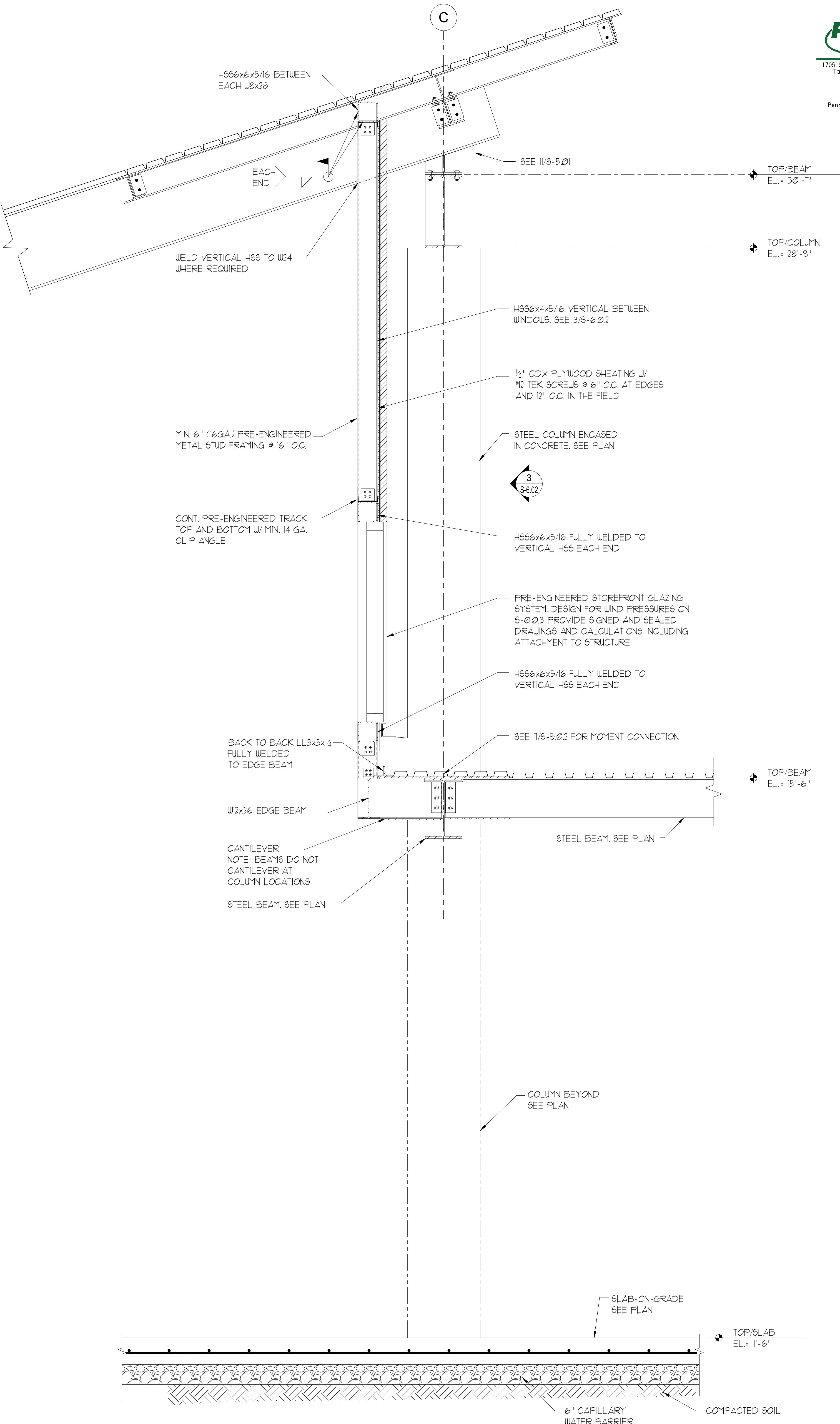
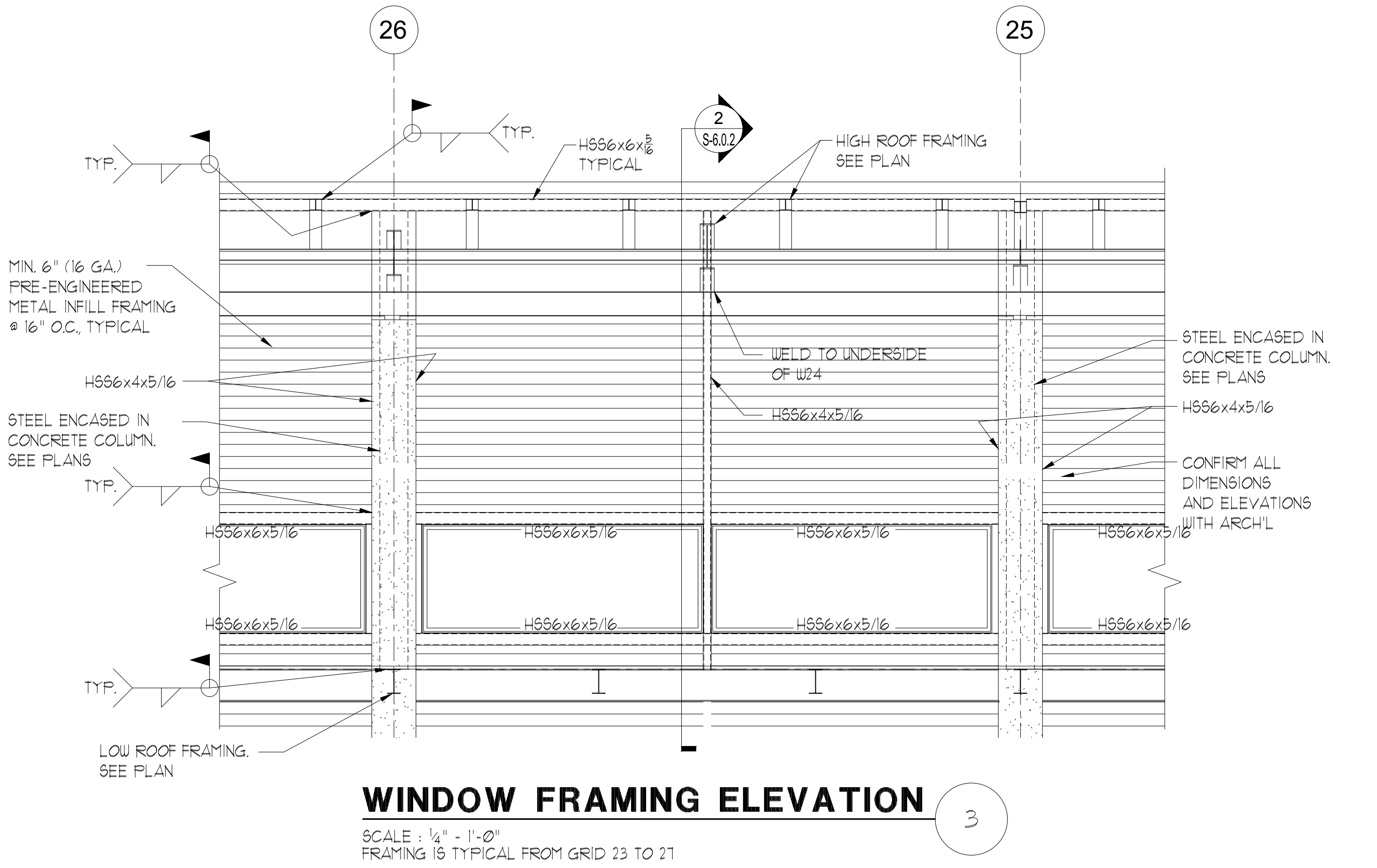
**OUTBOUND
BAGGAGE
EXPANSION**

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211
ISSUE DATE
05.10.2022

DRAWING TITLE
**WALL
SECTIONS**

SHEET NUMBER
S-6.0.2



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

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

HVAC LEGEND

AHU-1	EQUIPMENT TAG	SR-1 100	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM
	DETAIL TAG ("1" INDICATES IDENTIFICATION NUMBER; "MS" INDICATES THE SHEET NUMBER DRAWN ON) SHEET NOTE	LSR-1 100	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM (2) INDICATES TYPICAL OF TWO DEVICES
		TYP	TYPICAL
	SUPPLY DUCT SECTION POSITIVE PRESSURE	TEMP	TEMPERATURE
	RETURN OR EXHAUST DUCT NEGATIVE PRESSURE	SA	SUPPLY AIR
		RA	RETURN AIR
AxB	RECTANGULAR DUCT SIZE ("A" INDICATES SIDE SHOWN; "B" INDICATES SIDE NOT SHOWN) INDICATES RISE IN ELEVATION OF DUCT.	EA	EXHAUST AIR
		MA	MIXED AIR
	EXTERNALLY INSULATED DUCTWORK	OA	OUTDOOR AIR
		TA	TRANSFER AIR
	EXTERNALLY INSULATED ROUND FLEXIBLE DUCTWORK	EF	EXHAUST FAN
	DUCT ELBOW WITH TURNING VANES	CD	CEILING DIFFUSER
	RADIUSUED DUCT ELBOW	RG	RETURN GRILLE
	FLEXIBLE DUCT CONNECTION	EG	EXHAUST GRILLE
		ER	EXHAUST REGISTER
	MANUAL VOLUME BALANCING DAMPER	CREF	CEILING ROOF EXHAUST FAN
	MOTORIZED DAMPER	AHU	INDOOR AIR HANDLING UNIT
		HP	HEAT PUMP
		OAU	OUTSIDE AIR UNIT
			THERMOSTAT, "1" INDICATES UNIT CONTROLLED DUCT MOUNTED SMOKE DETECTOR
		UC	UNDERCUT DOOR 3/4"
		DG	DOOR GRILLE, REFER TO DOOR SCHEDULE
		AFF	ABOVE FINISHED FLOOR
			FIRE DAMPER AT CEILING DIFFUSER OR GRILLE
		XFR	TRANSFER AIR
		ESP	EXTERNAL STATIC PRESSURE
		DDC	DIRECT DIGITAL CONTROLS
		TAB	TESTING, ADJUSTING, AND BALANCING
		NOM	NOMINAL
		VFD	VARIABLE FREQUENCY DRIVE
		WM	DUCTLESS FCU - WALL MOUNTED UNIT
		S	EQUIPMENT SWITCH

GENERAL NOTES

- ALL DUCT DIMENSIONS ARE NET INSIDE.
- VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
- FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL DUCTWORK FOR LEAKS. SEE SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
- PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
- WASTE VENT STACKS, EXHAUST FANS, ETC. SHALL BE A MINIMUM OF 10 FT. FROM OUTSIDE AIR INTAKES.
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- ALL AHU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
- PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
- ALL BIRD AND INSECT SCREENS SHALL BE ANODIZED ALUMINUM.
- BECAUSE OF THE SMALL SCALE OF CONTRACT DOCUMENTS IT IS NOT POSSIBLE TO SHOW ALL OFFSETS, TRANSITIONS, ETC. THE CONTRACT DOCUMENTS ARE ESSENTIALLY DIAGRAMATIC. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COORDINATED WITH THE STRUCTURE AND ARCHITECTURAL WORK FOR REVIEW PRIOR TO COMMENCING WORK.
- ALL WORK SHALL COMPLY WITH 2020 FLORIDA BUILDING CODE.

SEQUENCE OF OPERATION

GENERAL: PROVIDE A PROGRAMMABLE THERMOSTAT WITH HUMIDITY CONTROL, OCCUPIED/UNOCCUPIED SETPOINTS, AND SCHEDULE FUNCTIONS.

TYPICAL AHU/HP:

OCCUPIED MODE: THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE SETPOINT FOR COOLING SHALL BE 95° F ADJUSTABLE.

UNOCCUPIED MODE: THE INDOOR FAN SHALL CYCLE TO MAINTAIN SETPOINT TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 80° F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE.

FAN SCHEDULE

UNIT	TYPE	CFM	MAX FAN	ESP (IN. H2O)	MAX MOTOR	SONES/HP	BASIS OF DESIGN	MODEL	CONTROL	ELECTRICAL VOLTS/PHASE	NOTES
F-BAG-6	ROOF	5000	1041	0.5	2 HP	17.1	GREENHECK	G-200-VG	INTERLOCK WITH WALL SWITCH	460/3	1,2,3,4,5,6,7
F-BAG-7	ROOF	5000	1041	0.5	2 HP	17.1	GREENHECK	G-200-VG	INTERLOCK WITH WALL SWITCH	460/3	1,2,3,4,5,6,7

- PROVIDE DISCONNECT
- PROVIDE SOLID STATE SPEED CONTROLLER
- PROVIDE BACKDRAFT DAMPER
- PROVIDE THERMAL OVERLOAD
- PROVIDE DIRECT DRIVE FAN
- PROVIDE RUBBER IN SHEAR VIBRATION ISOLATION
- PROVIDE FAN WITH FLORIDA PRODUCT APPROVAL RATING OR NOA RATING.

VENTILATION SCHEDULE

SPACE TYPE	VENTILATION CFMS F.	VENTILATION CFM/PERSON	EXHAUST CFM
SORTING, PACKING, LIGHT ASSEMBLY	0.12	7.5	0

NOTE:

VENTILATION RATES IN COMPLIANCE WITH ASHRAE STANDARD 62.1-2016. BIPOLAR IONIZATION IS UTILIZED TO CLEAN INDOOR AIR AND MAINTAIN ACCEPTABLE INDOOR AIR QUALITY WITH A REDUCTION IN OUTDOOR AIRFLOW.

GRAVITY VENTILATOR SCHEDULE

UNIT	CFM	THROAT SIZE	BASIS OF DESIGN	MODEL	NOTES
GV-1-5	5000	32x32	COOK	GI	1,2,3,4
GV-1-6	5000	32x32	COOK	GI	1,2,3,4

- PROVIDE ALUMINUM GRAVITY VENTILATOR.
- PROVIDE ALUMINUM ROOF CURB.
- PROVIDE ALUMINUM BIRDSCREEN.
- PROVIDE WITH AND INSTALL IN ACCORDANCE WITH FLORIDA PRODUCT APPROVAL.

AIR DEVICE SCHEDULE

MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 CFM	80	9x9	60	TDC
CD-2 CFM	250	12x12	80	TDC
CD-3 CFM	350	12x12	100	TDC
SWGL CFM	60	6x6	6x6	272RL
REG. SC. TO RRRR				
SC-1 CFM	350	12x12	12x12	350FL
SC-2 CFM	1800	22x22	22x22	350FL

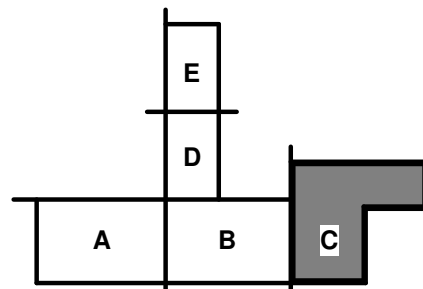
NOTES:

- MAX NG=20
- PROVIDE 2x2 LAY IN PANEL FOR AIR DEVICES IN LAY IN CEILINGS.
- PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILINGS.
- PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILINGS.
- PAIN ALL DUCT VISIBLE THROUGH GRILLES FLAT BLACK.

TABLE 1: CURB-TO-DECK MOUNTING

THROAT SIZE (LARGEST DIM.)	FASTENERS PER SIDE
≤24	2
≤48	3
≤54	3
≤64	4

FASTENERS REQUIRED ONLY ON TWO OPPOSITE SIDES OF CURB; FASTEN ON LONGER SIDES OF CURB IF RECTANGULAR. MIN. 3/16" EDGE DISTANCE ON BOTH SIDES.



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CLIENT

NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)

PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

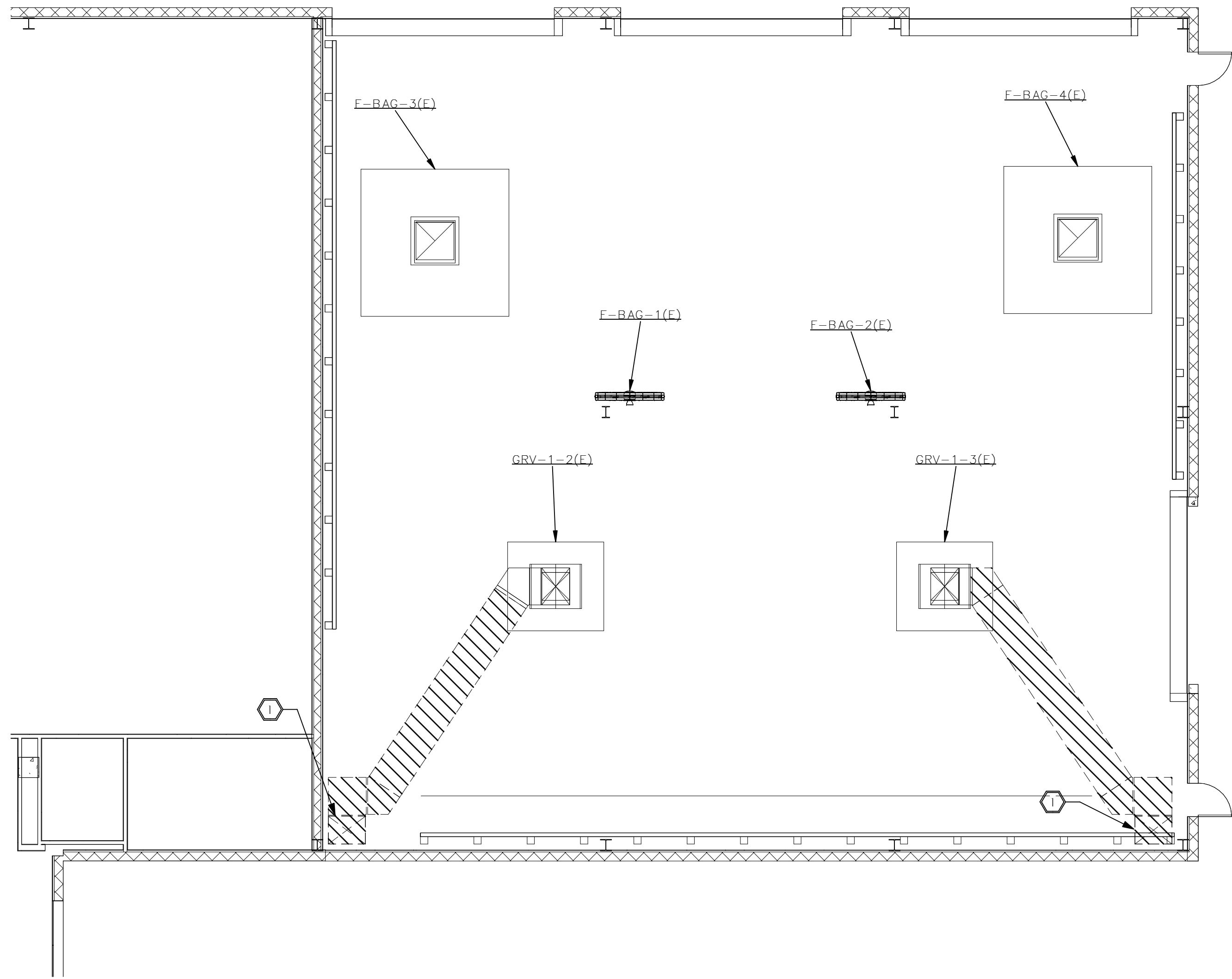
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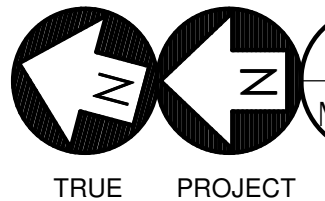
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HVAC LEGEND, SCHEDULES, NOTES, AND DETAILS

SHEET NUMBER

5/9/2022 9:42:24 AM BIM 360://21015 NFBIA - Baggage Makeup Expansion - Task #1 (2021/2021-073_ECP Baggage Makeup Expansion Mechanical.rvt



 **1** HVAC DEMOLITION PLAN
M1.0.1 SCALE: 1/8" = 1'-0"

SHEET NOTES

1 REMOVE EXISTING DUCTWORK AND AIR DEVICES AS SHOWN.



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FITZGERALD COLLABORATIVE GROUP, LLC.
AA26001957



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INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE
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**OUTBOUND
BAGGAGE
EXPANSION**

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER

NO. 210211

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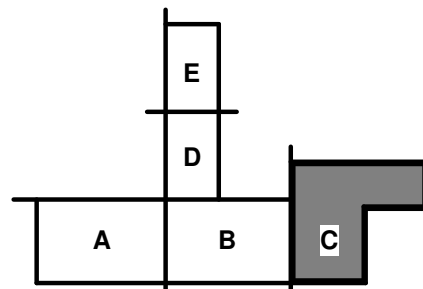
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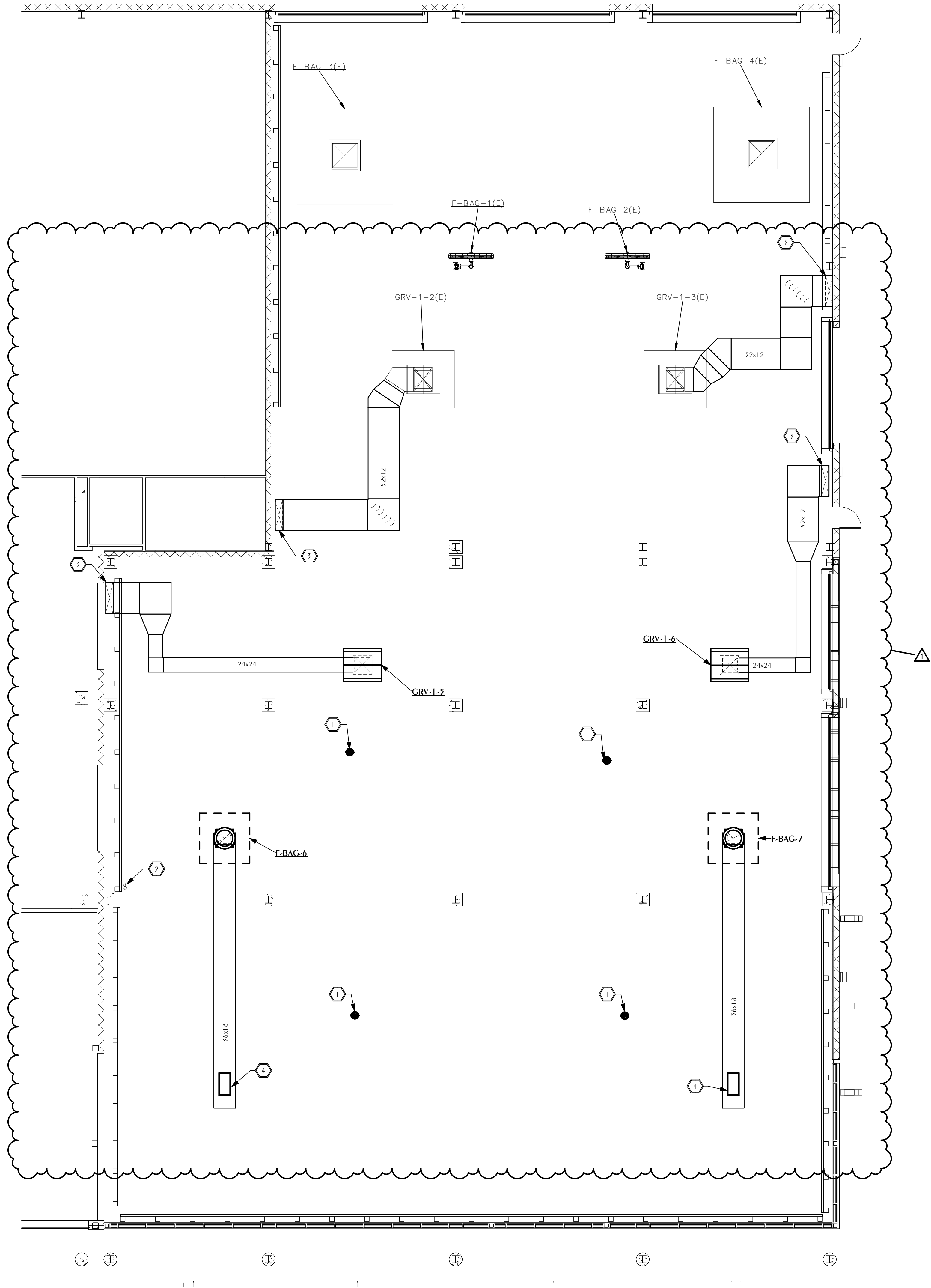
**HVAC
DEMOLITION
PLAN**

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M1.0.1



5/9/2022 9:42:27 AM BIM 360://21015 NFBIA - Baggage Makeup Expansion - Task #1 (2021/2021-0715_ECP Baggage Makeup Expansion Mechanical.rvt



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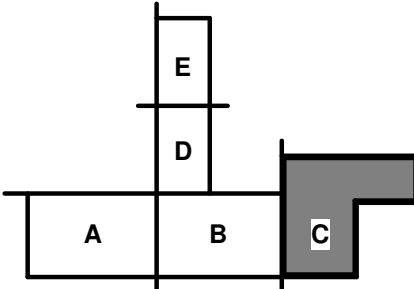
PROJECT

1

M2.0.1

HVAC NEW WORK PLAN

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



WATFORD

ENGINEERING

850.501.3447

4402 Orion Street

Memphis, Florida 32446

Florida CA Number: 27825

David W. Watford, P.E.

Florida License Number: 06039

Project Number: 2021-010

SHEET NOTES

1

PROVIDE AIRBUS A-27-SP DESTRATIFICATION FAN. COLOR TO BE SELECTED BY THE ARCHITECT. PROVIDE ALL ACCESSORIES REQUIRED TO MOUNT FAN.

2

PROVIDE SINGLE CONTROLLER CAPABLE OF CONTROLLING ALL AIRBUS DESTRATIFICATION FANS. AIRBUS TRAC-120-5 OR APPROVED EQUAL. CONTROLLER SHALL BE WALL MOUNTED IN STANDARD 2" X 4" JUNCTION BOX.

3

(2) 36"x18" GRILLES LOCATED IN DUCTWORK. BOTTOM GRILLE TO BE LOCATED WITH BOTTOM 8" AFF. TOP GRILLE TO BE LOCATED WITH BOTTOM 11'-7'-0" AFF. GRILLES SHALL BE MOD 22AFC OR APPROVED EQUAL.

4

18"x36" GRILLE LOCATED ON BOTTOM OF DUCTWORK. GRILLE SHALL BE ITILUS 350FL OR APPROVED EQUAL.

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ARCHITECTS

ZHA

ARCHITECTS

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INTERNATIONAL

AIRPORT (ECP)

NORTHWEST FLORIDA

BEACHES INTERNATIONAL AIRPORT

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PANAMA CITY, FL 32409

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HVAC NEW WORK PLAN

SHEET NUMBER
M2.0.1



CONTROLS

S	WALL SWITCH ; 120/277V; 20A; 1 POLE; A.C. ONLY; MT 48" AFF TO CL
S ₃	WALL SWITCH; 120/277V; 20A; 3 WAY; A.C. ONLY; MT 48" AFF TO CL; HUBBELL SERIES HBL1223
S ₄	WALL SWITCH; 120/277V; 20A; 4 WAY; A.C. ONLY; MT 48" AFF TO CL; HUBBELL SERIES HBL1224
Sw	WALL SWITCH; 120/277V; 20A; OCCUPANCY SENSOR DUAL TECHNOLOGY MULTI-WAY TYPE; MT 48" AFF TO CL; REFER TO SPECS
S _{Lx}	LOW VOLTAGE WALL SWITCH; MT 48" AFF TO CL; REFER TO SPECS; SEE LIGHTING CONTROL DETAILS
	MOTOR CONTROL SWITCH; 120V; 30A; 2 POLE; A.C. ONLY; NEAR OR ON EQUIPMENT BEING SERVED; HUBBELL SERIES HBL78320.
	NEMA 3R MOTOR CONTROL SWITCH; 120V; 30A; 2 POLE; A.C. ONLY; NEAR OR ON EQUIPMENT BEING SERVED; HUBBELL SERIES HBL13R22D.
	RED MUSHROOM PUSH-BUTTON WITH KEY RELEASE; MT. 60" AFF TO CL LABEL 'EMERGENCY STOP', EQUAL TO SQUARE D MODEL XBSA55345B
	OCCUPANCY SENSOR POWER PACK; MOUNT ABOVE CEILING
	OCCUPANCY SENSOR RECEPTACLE POWER PACK; MOUNT ABOVE CEILING
	LOW VOLTAGE OCCUPANCY SENSOR; 360° DUAL-TECHNOLOGY TYPE; CEILING MOUNTED
	LOW VOLTAGE OCCUPANCY SENSOR; WALL MOUNTED
	LOW VOLTAGE VACANCY SENSOR; 360° DUAL-TECHNOLOGY TYPE; CEILING MOUNTED

LIGHTING

	CEILING FIXTURE
	WALL BRACKET FIXTURE
	POLE MOUNTED FIXTURE
	2' X 2' TROFFER FIXTURE; ARROW INDICATES LAMP DIRECTION; SEE SCHEDULE FOR MOUNT TYPE
	2' X 2' TROFFER FIXTURE WITH SELF-CONTAINED EMERGENCY BALLAST; ARROW INDICATES LAMP DIRECTION; SEE SCHEDULE FOR MOUNT TYPE
	TROFFER FIXTURE; SEE SCHEDULE FOR MOUNT TYPE
	TROFFER FIXTURE WITH SELF-CONTAINED EMERGENCY BALLAST; SEE SCHEDULE FOR MOUNT TYPE
	STRIP FIXTURE; SHADING INDICATES EMERGENCY BALLAST
	TWIN HEAD EMERGENCY BATTERY UNIT
	EXIT SIGN; CEILING MOUNTED; ARROWS AS NOTED; SHADED SECTION INDICATES LIGHTED FACE OF EXIT SIGN
	EXIT SIGN; BACK MOUNTED; ARROWS AS NOTED; SHADED SECTION INDICATES LIGHTED FACE OF EXIT SIGN

MISCELLANEOUS SYSTEMS

	TELEPHONE WALL OUTLET WITH MODULAR JACK AND COVERPLATE; MT 18" AFF TO CL UNLESS NOTED OTHERWISE - INSTALL 3/4"C WITH PULLRIBBON UP INTO CEILING SPACE.
	DATA SYSTEM WALL OUTLET WITH TWO(2) RJ-45 JACKS AND COVERPLATE; MT 18" AFF TO CL UNLESS NOTED OTHERWISE - INSTALL 3/4"C WITH PULLRIBBON UP INTO CABLE TRAY RACEWAY OR ATTIC WHERE APPLICABLE; ALL CONDUIT SHALL BE CONCEALED.
	DATA SYSTEM FLOOR OUTLET WITH TWO(2) RJ-45 JACKS AND COVERPLATE; HUBBELL SERIES B-2538; AND S-3825 COVER WITH CARPET FLANGE - INSTALL 3/4"C WITH PULLRIBBON UP INTO CABLE TRAY RACEWAY OR ATTIC WHERE APPLICABLE; ALL CONDUIT SHALL BE CONCEALED.
	DATA SYSTEM CEILING OUTLET WITH TWO RJ-45 JACKS AND COVERPLATE.
	FIRE ALARM SYSTEM MANUAL PULL STATION; MT 48" AFF TO CL
	FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE; MT 80" AFF TO BOTTOM; '110' INDICATES CANDELA RATING; NO NUMBER INDICATES 75 CANDELA MINIMUM
	FIRE ALARM SYSTEM EXTERIOR, WEATHERPROOF SIGNAL SPEAKER; MT 90" AFF TO BOTTOM
	FIRE ALARM SYSTEM STROBE; MT 80" AFF TO BOTTOM; '110' INDICATES CANDELA RATING; NO NUMBER INDICATES 75 CANDELA MINIMUM
	FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
	FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
	FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR
	PHOTOCELL TORCH MODEL 2101 (120V) OR 2104 (277V)
	DIGITAL TIMESWITCH WITH RESERVE POWER; REFER TO LIGHTING CONTROL DIAGRAM FOR TYPE
	SECURITY CAMERA; PROVIDE JUNCTION BOX AND 3/4" CONDUIT WITH PULL RIBBON TO ATTIC SPACE FOR SECURITY CAMERA. COORDINATE WITH SECURITY CONTRACTOR.
	LIGHTNING PROTECTION AIR TERMINAL.
	LIGHTNING PROTECTION GROUNDING ROD.
	LIGHTNING PROTECTION ROOFTOP CONDUCTOR

NOTE DESIGNATIONS

	KEY NOTE REFERENCE
	DEMO NOTE REFERENCE
	FEEDER OR PARTS REFERENCE. SEE SCHEDULE

POWER DISTRIBUTION

	SURFACE MOUNTED PANELBOARD; 120/208V; MT 72" AFF TO TOP
	FLUSH MOUNTED PANELBOARD; 120/208V; MT 72" AFF TO TOP
	DRY TYPE TRANSFORMER; SIZE AND RATING AS NOTED
	DISCONNECT SWITCH; AMP SIZE AS NOTED;
	FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA
	MOTOR; FURNISHED BY OTHERS
	JUNCTION BOX; MOUNTED ABOVE CEILING
	RACEWAY BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER

RACEWAYS

	CONDUIT CAP
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING
	RACEWAY INSTALLED CONCEALED IN FLOOR SLAB AND/OR BELOW GRADE
	RACEWAY INSTALLED EXPOSED
	FLEXIBLE CONDUIT CONNECTION
	CONDUIT STUB UP WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT

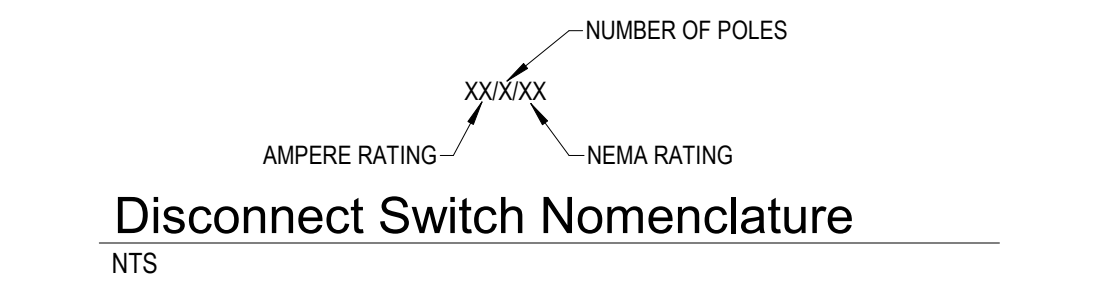
WIRE DESIGNATIONS

	A-1 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUIT NO. 1 TO PANEL A; 'B' INDICATES FIXTURE TYPE; MARKS ACROSS RACEWAY RUN INDICATES THE NUMBER OF NO. 12 CONDUCTORS; UNLESS NOTED OTHERWISE NO MARKS INDICATES TWO NO.12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2#12 & 1#12 GND-1/2"C)
	TICK MARKS REPRESENT WIRE COUNT AS INDICATED. EACH TICK MARK REPRESENTS 1 PHASE CONDUCTOR AND/OR GROUND(ED) NEUTRAL) CONDUCTOR. DOTTED TICK MARK REPRESENTS EQUIPMENT GROUNDING CONDUCTOR. UNLESS NOTED OTHERWISE, NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2 #12 & 1#12 GND-1/2"C)

RECEPTACLES

CLG	FLOOR	WALL	
			DUPLEX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5352
			QUAD - 2 DUPLEX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5352
			DUPLEX GFCI RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES GF5362
			TAMPER-RESISTANT DUPLEX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES BR20xTR
			TAMPER-RESISTANT DUPLEX GFCI RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES GFTR20
			SPD DUPLEX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5362SA
			SPECIAL TYPE RECEPTACLE 'X' DENOTES NEMA TYPE A = 120V, 30A, 2P, 3W, NEMA L5-20R; HUBBELL SERIES HBL2610. B = 250V, 30A, 2P, 4W, NEMA 14-30R; HUBBELL SERIES HBL8430. C = 250V, 50A, 2P, 4W, NEMA L5-20R; HUBBELL SERIES HBL9450.

DESIGNATIONS		
		LETTERS "WTF" ADJACENT TO SYMBOL, INDICATES RECEPTACLE WITH WEATHERPROOF COVER, PASS, AND SEYMOUR WILCOX COVER BOX.
		LETTERS "-NTS" ADJACENT TO SYMBOL, INDICATES RECEPTACLE MOUNTING HEIGHT, WHEN NO HEIGHT IS INDICATED, MOUNT 18" AFF. +AC" = ABOVE COUNTER +DP" = VERIFY HEIGHT FOR DRINKING FOUNTAIN WITH CONTRACTOR +TV" = VERIFY HEIGHT OF TV WITH OWNER.



GENERAL NOTES

- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN WALL FOR SWITCHES.
- RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
- LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
- FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
- ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
- PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C.
- ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- PROVIDE CONCRETE MARKER AT END OF ALL CONDUITS STUBBED OUT OF BUILDING FOR FUTURE USE. MARKER SHALL BE 6" DIA X 18" HIGH WITH 2" ABOVE FINISHED GRADE. INSCRIBE IN TOP OF MARKER "E" FOR ELECTRICAL, "T" FOR TELEPHONE, "Y" FOR TV CABLE, "F" FOR FIRE ALARM, AND "IC" FOR INTERCOM.
- GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- FIRE ALARM LOW VOLTAGE SOURCE AND BATTERY STANDBY SHALL ENERGIZE ALL ITEMS IN FIRE ALARM SYSTEM THAT REQUIRE POWER.
- VERIFY EXACT LOCATION OF ALL FLOOR OUTLETS WITH THE ARCHITECT PRIOR TO ROUGHING-IN.
- FINAL CONNECTION TO ALL DRY TYPE TRANSFORMERS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE FAULT CURRENT CALCULATIONS FOR THE SERVICE EQUIPMENT AND SHALL MARK THE EQUIPMENT WITH AVAILABLE FAULT CURRENT AND DATE OF THE CALCULATION PER NEC 110.24. REFER TO TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FAULT LABELS PER NFPA 70E ARTICLE 110.16 FOR NEW EQUIPMENT. THE OWNER SHALL PROVIDE AVAILABLE CALCULATION DATA FOR THE EXISTING EQUIPMENT IN THE ELECTRICAL SYSTEM. REFER TO TYPICAL ARC FLASH HAZARD LABEL DETAIL.
- PROVIDE NEUTRAL AT ALL LINE VOLTAGE SWITCH LOCATIONS PER N.E.C. 404.2(C).

ABBREVIATIONS

1P	ONE POLE
2P	TWO POLE
3P	THREE POLE
4P	FOUR POLE
A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECT
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C.T.	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ELEC	ELECTRICAL
EWV	ELECTRIC WATER COOLER
FA	FIRE ALARM
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FURN	FURNITURE
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND(ED)
HP	HORSEPOWER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ (CYCLE) PER SECOND
JB	JUNCTION BOX
KOMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
NEC	NATIONAL ELECTRICAL CODE
PH	PHASE
PNL	PANELBOARD
PRI	PRIMARY
RTU	ROOF TOP UNIT
SEC	SECONDARY
SW	SWITCH
UG	UNDERGROUND
V	VOLT
W	WATT
XTMR	TRANSFORMER
+72	MOUNTING HEIGHT IN INCHES TO CENTERLINE ABOVE FINISHED FLOOR OR GRADE

SHEET INDEX	
SHEET NUMBER	SHEET NAME
E-001	LEGEND AND NOTES
E-101	DEMOLITION PLAN - ELECTRICAL
E-201	NEW POWER PLAN - FIRST FLOOR
E-202	NEW LIGHTING PLAN - FIRST FLOOR
E-203	NEW HVAC PLAN - FIRST FLOOR
E-204	NEW FIRE ALARM PLAN - FIRST FLOOR
E-205	NEW LIGHTNING PROTECTION PLAN - ROOF
E-301	LIGHTING FIXTURE SCHEDULE AND CONTROLS
E-401	ELECTRICAL DETAILS
E-402	LIGHTNING PROTECTION DETAILS
E-501	PANEL SCHEDULES



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

3.25.2022

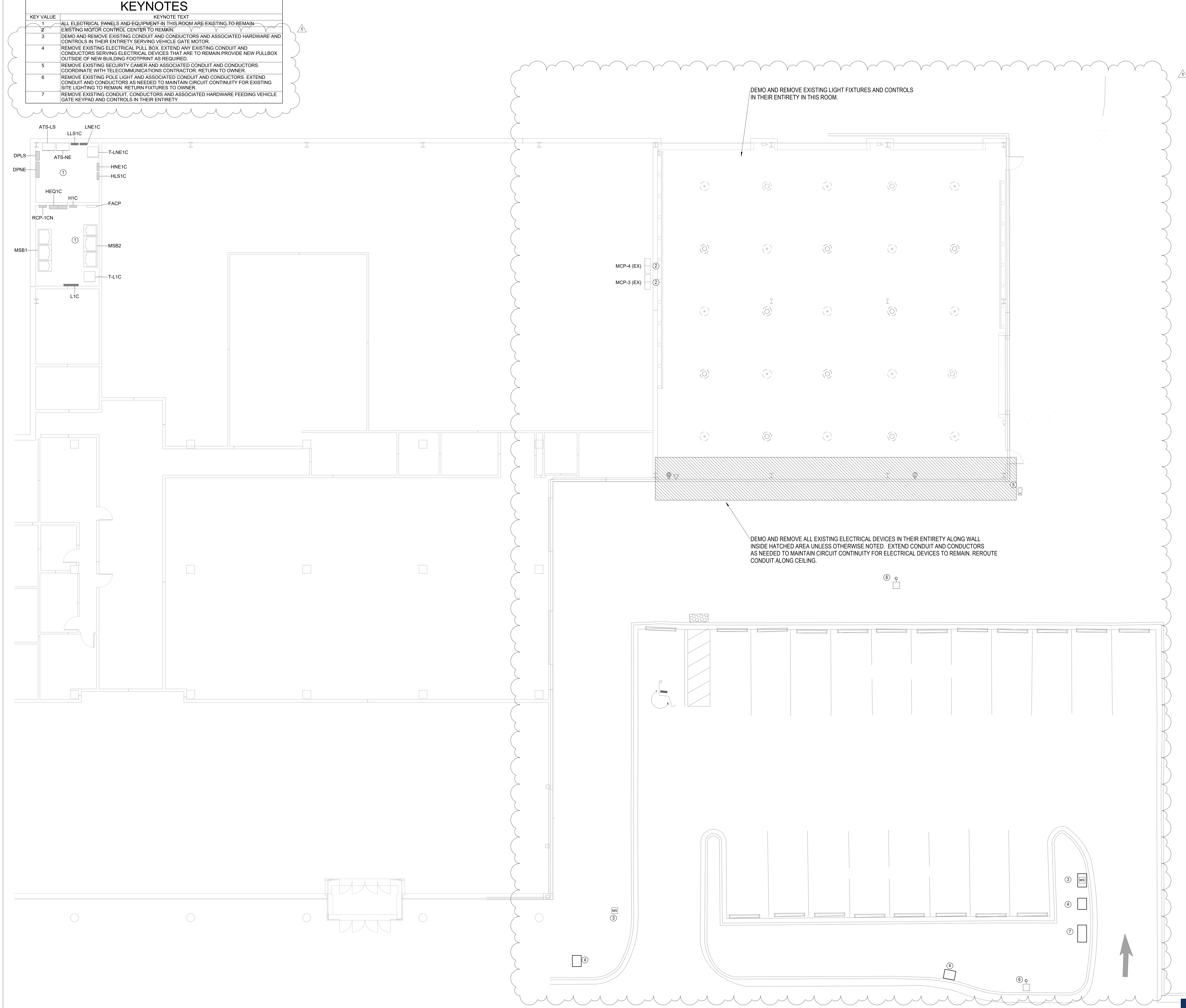
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LEGEND AND NOTES

SHEET NUMBER

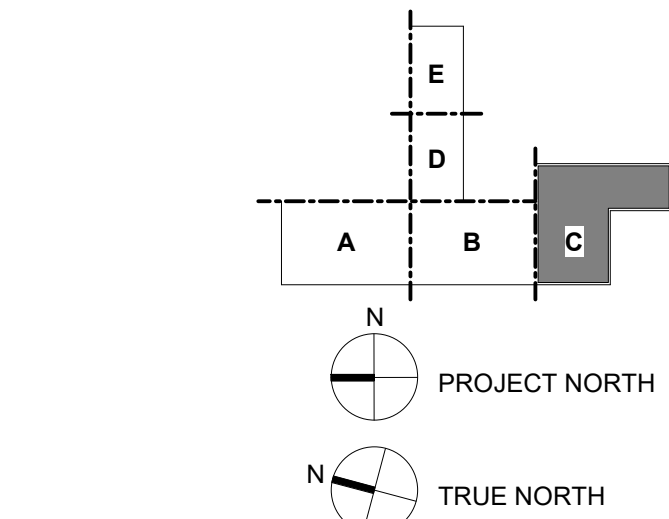
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DEMOLITION POWER PLAN - FIRST FLOOR

1/8" = 1'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI: OUTBOUND BAGGAGE EXPANSION

6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

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DEMOLITION PLAN - ELECTRICAL

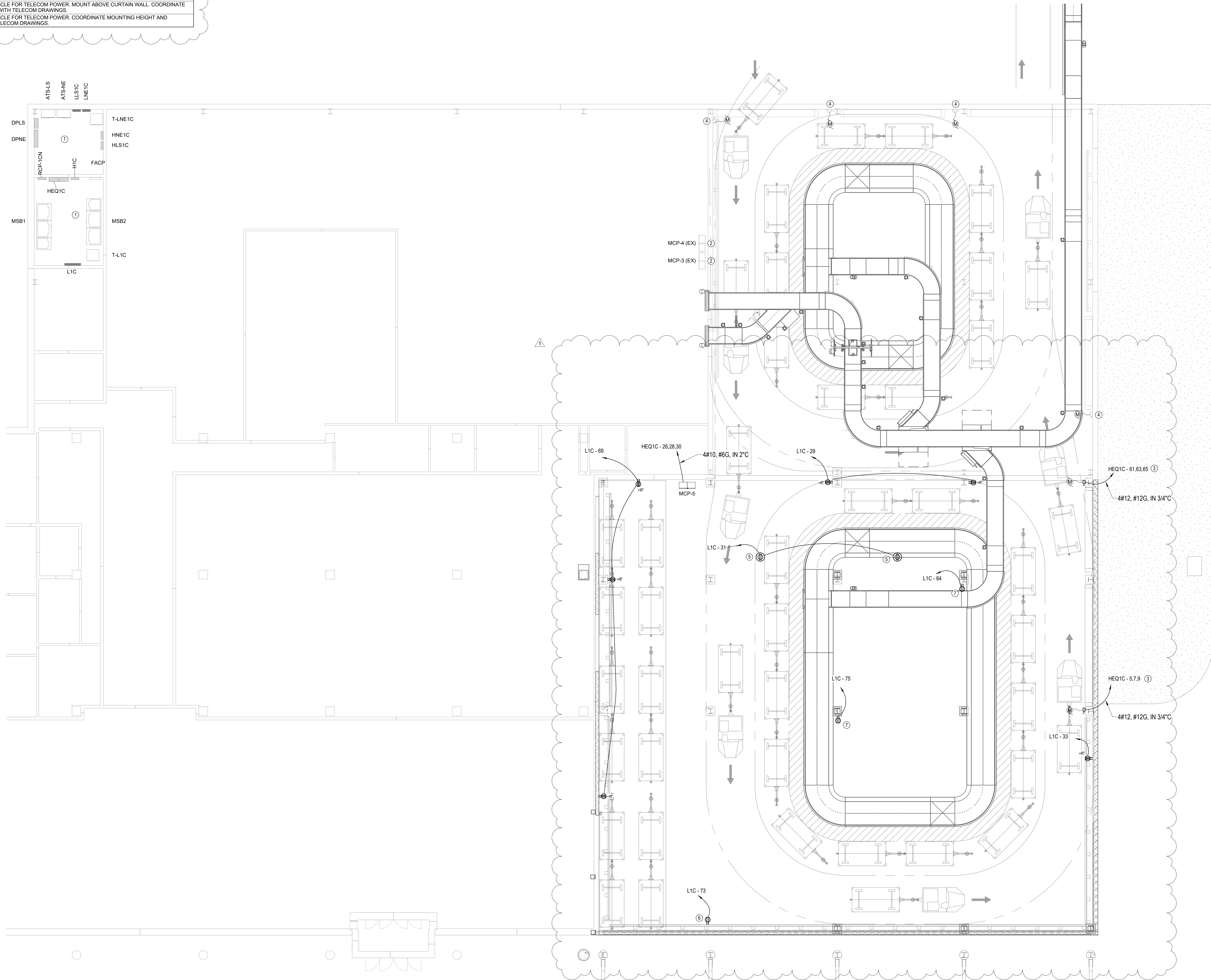
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E-101

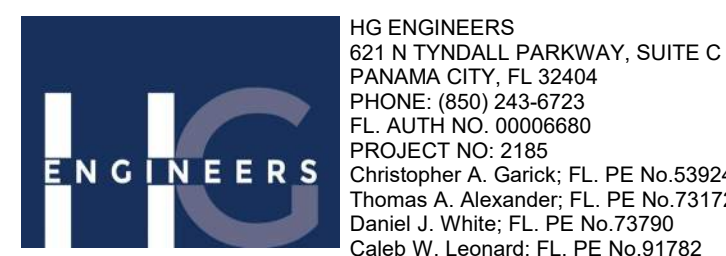
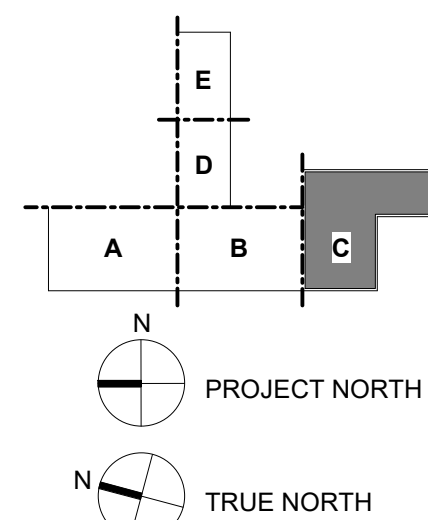
5/9/2022 11:55:35 PM BIM 360/210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021/2185 - ECP Baggage Make-Up Expansion (Task 1)-ELECTRICAL.v1

KEYNOTES

KEY VALUE	KEYNOTE TEXT
1	ALL ELECTRICAL PANELS AND EQUIPMENT IN THIS ROOM ARE EXISTING TO REMAIN.
2	EXISTING MOTOR CONTROL CENTER TO REMAIN.
3	VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
4	EXISTING OVERHEAD DOOR MOTOR AND DISCONNECT TO REMAIN.
5	PROVIDE CEILING RECEPTACLE FOR DESTRATIFICATION FAN.
6	PROVIDE RECEPTACLE FOR TELECOM POWER. MOUNT ABOVE CURTAIN WALL. COORDINATE EXACT LOCATION WITH TELECOM DRAWINGS.
7	PROVIDE RECEPTACLE FOR TELECOM POWER. COORDINATE MOUNTING HEIGHT AND LOCATION WITH TELECOM DRAWINGS.



NEW POWER PLAN - FIRST FLOOR
1/8" = 1'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBA:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

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**NEW POWER
PLAN - FIRST
FLOOR**

SHEET NUMBER

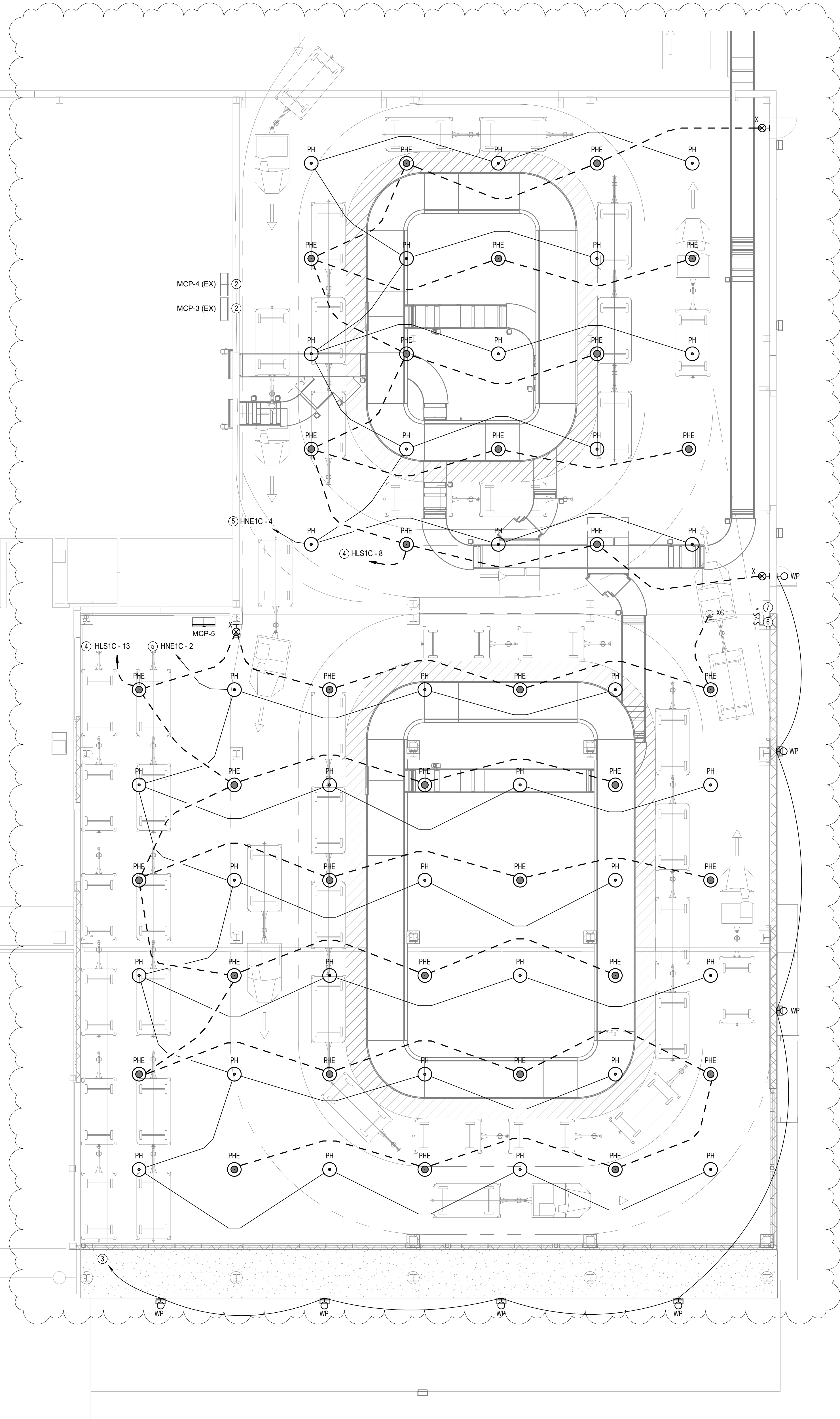
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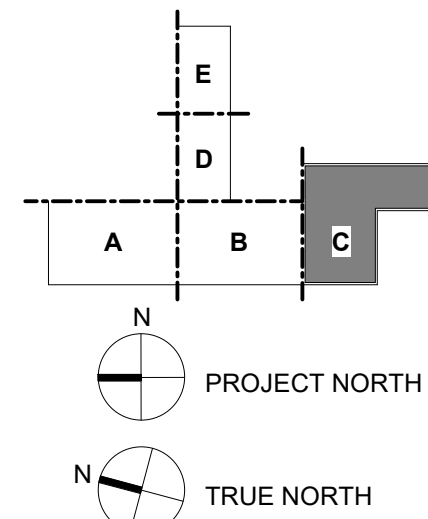
KEYNOTES

KEY VALUE	KEYNOTE TEXT
1	ALL ELECTRICAL PANELS AND EQUIPMENT IN THIS ROOM ARE EXISTING TO REMAIN.
2	EXISTING MOTOR CONTROL CENTER TO REMAIN.
3	CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT.
4	ROUTE HOMERUN BACK TO CIRCUIT VIA EXISTING EMERGENCY LIGHTING CONTROL PANEL RP-1CE.
5	ROUTE HOMERUN BACK TO CIRCUIT VIA EXISTING LIGHTING CONTROL PANEL RP-1CN.
6	GENERAL LIGHTING LOW VOLTAGE 2-BUTTON LUTRON SWITCH. HOMERUN BACK TO LIGHTING CONTROL PANEL RP-1CN.
7	EMERGENCY LIGHTING LOW VOLTAGE 2-BUTTON LUTRON SWITCH. HOMERUN BACK TO LIGHTING CONTROL PANEL RP-1CE.

ATSLS
ATSNE
LLS1C
LNE1C
DPLS
DPNE
RCP-1CN
RCP-1CE
HEQ1C
HTC
FACP
MSB1
MSB2
T-LNE1C
HNE1C
HLS1C
T-L1C
L1C



NEW LIGHTING PLAN - FIRST FLOOR
1/8" = 1'-0"



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PANAMA CITY AIRPORT NWFBA:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 W BAY PKWY,
PANAMA CITY, FL 32409

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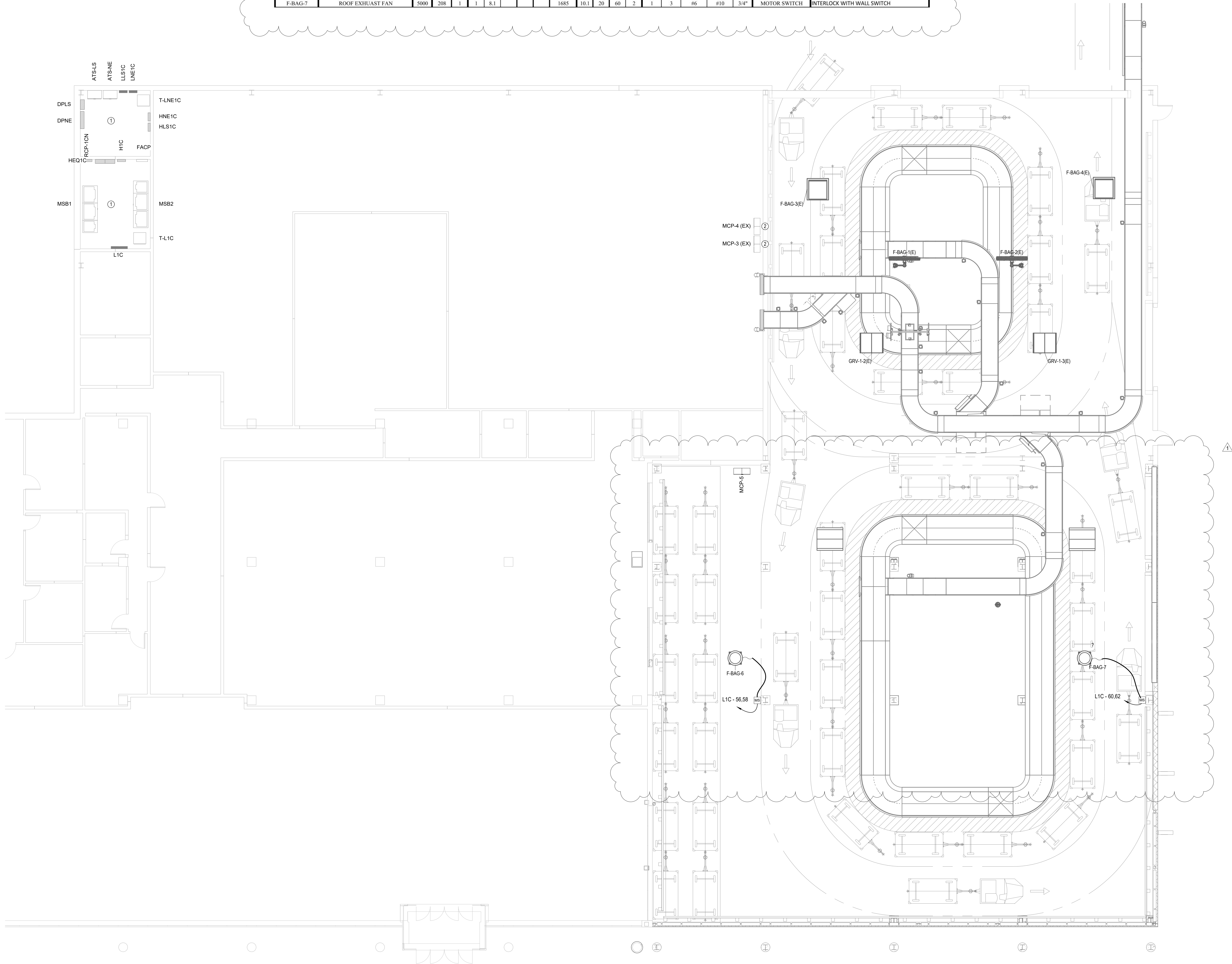
**NEW
LIGHTING
PLAN - FIRST
FLOOR**

SHEET NUMBER

E-202

KEYNOTES	
KEY VALUE	KEYNOTE TEXT
1	ALL ELECTRICAL PANELS AND EQUIPMENT IN THIS ROOM ARE EXISTING TO REMAIN.
2	EXISTING MOTOR CONTROL CENTER TO REMAIN.

MECHANICAL EQUIPMENT SCHEDULE																				
(VERIFY ALL EQUIPMENT CIRCUIT REQUIREMENTS WITH MANUFACTURERS SHOP DRAWINGS PRIOR TO ROUGH-IN)																				
EQUIPMENT DESIGNATION	DESCRIPTION	CFM	VOLT	Φ	ELECTRICAL LOAD					PROTECTION		CONDUCTOR / CONDUIT SIZE				DISC.	REMARKS			
					MOTORS (FLA)					SPECIFIED	THP	POLE	SETS	CONDUCTORS				CONDUIT		
					LARGEST	SMALLER	SHOWN	OTHER VA	OTHER VA					SIZE	SIZE				SIZE	SIZE
F-BAG-6	ROOF EXHAUST FAN	5000	208	1	1	8.1			1685	10.1	20	60	2	1	3	#6	#10	3/4"	MOTOR SWITCH	INTERLOCK WITH WALL SWITCH
F-BAG-7	ROOF EXHAUST FAN	5000	208	1	1	8.1			1685	10.1	20	60	2	1	3	#6	#10	3/4"	MOTOR SWITCH	INTERLOCK WITH WALL SWITCH



NEW HVAC PLAN - FIRST FLOOR

1/8" = 1'-0"

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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI: OUTBOUND BAGGAGE EXPANSION

6300 W BAY PKWY,
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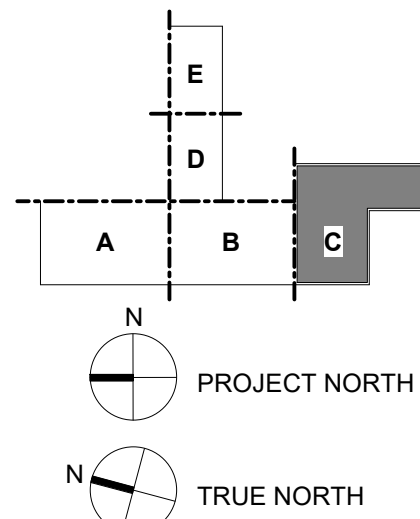
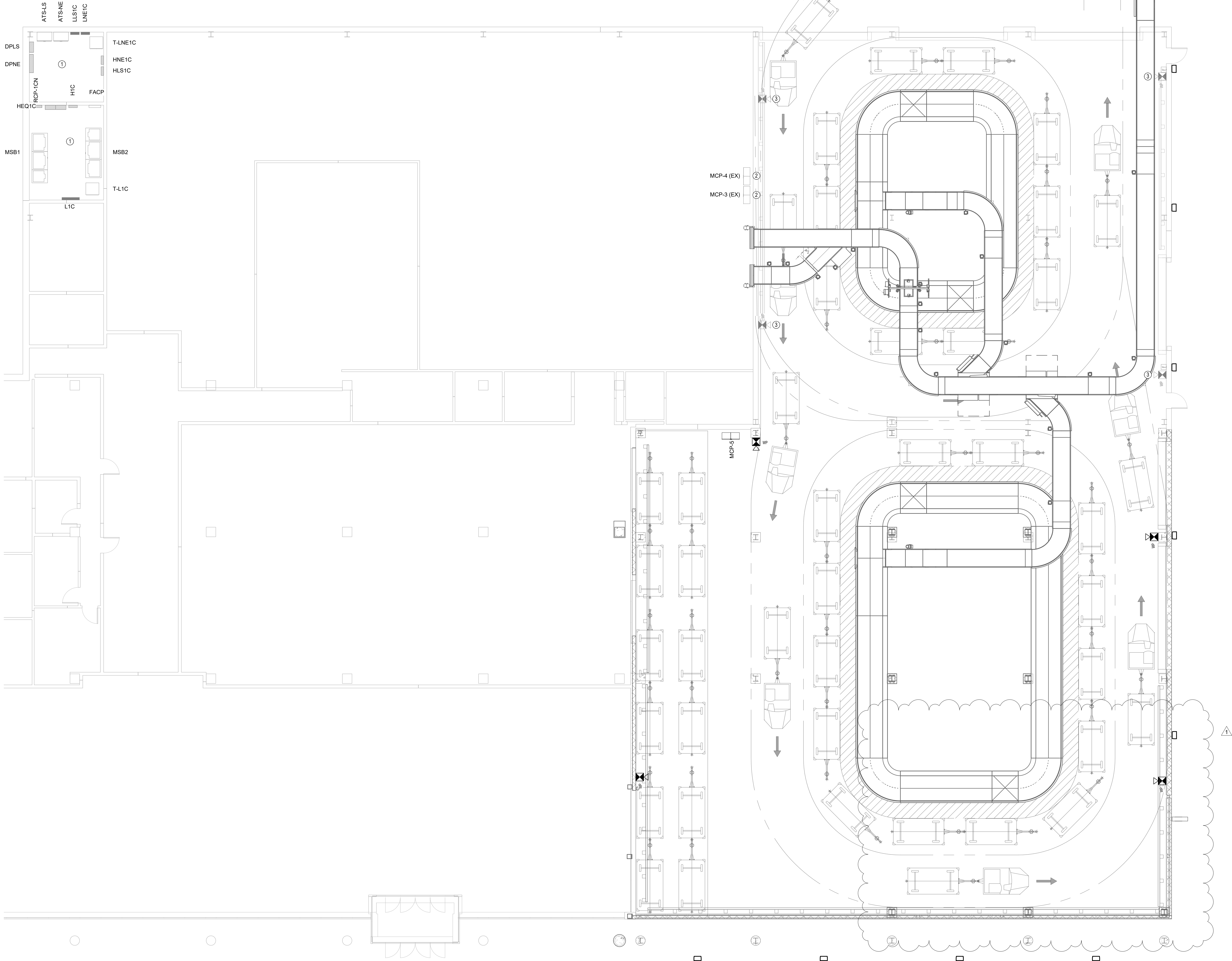
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NEW HVAC PLAN - FIRST FLOOR


SHEET NUMBER

E-203

KEYNOTES	
KEY VALUE	KEYNOTE TEXT
1	ALL ELECTRICAL PANELS AND EQUIPMENT IN THIS ROOM ARE EXISTING TO REMAIN.
2	EXISTING MOTOR CONTROL CENTER TO REMAIN.
3	EXISTING FA SPEAKER STROBE TO REMAIN.



NEW FIRE ALARM - FIRST FLOOR
1/8" = 1'-0"



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INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE
**PANAMA CITY AIRPORT NWFBA:
OUTBOUND
BAGGAGE
EXPANSION**

6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211

ISSUE DATE
3.25.2022

NEW FIRE ALARM PLAN - FIRST FLOOR

SHEET NUMBER
E-204

Lighting Fixture Schedule

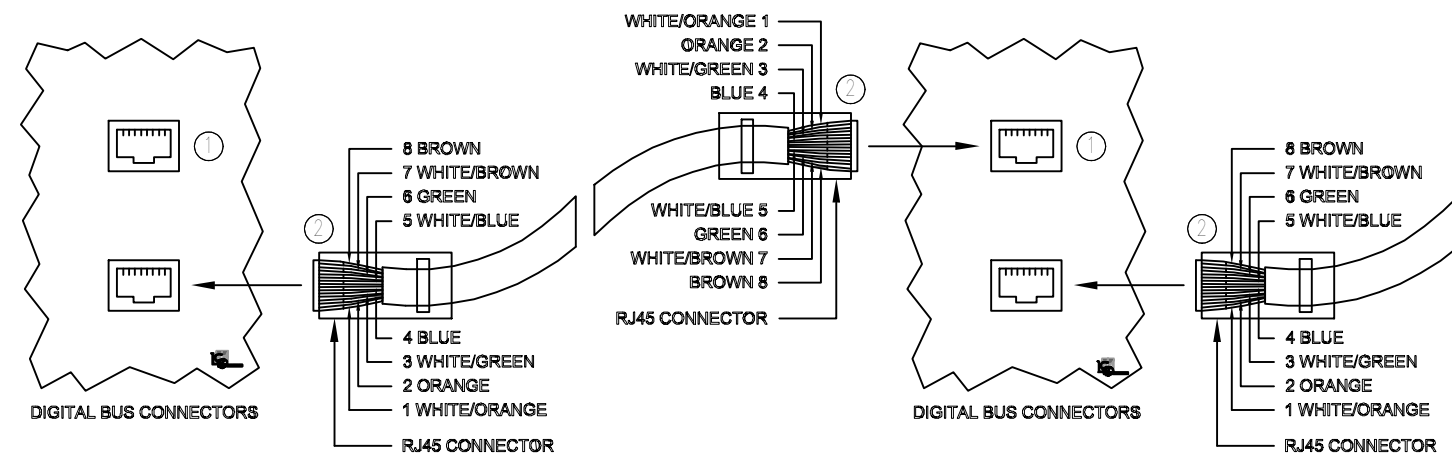
TYPE	MANUFACTURE R	CATALOG NUMBER	VOLTAGE (V)	LIGHTING LOAD (VA)	LAMPING SOURCE	KELVIN TEMPERATURE	COLOR RENDERING INDEX (CRI)	MOUNTING	DESCRIPTION
PH	DAY-BRITE	RBX10L-840-UNV-WT-A-RR16S	277 V	87 VA	LED	4000	80	PENDANT MOUNT AT SAME AS EXISTING FIXTURES IN THIS AREA OR 15' AFF TO BOTTOM OF FIXTURE	LOW BAY PENDANT
PHE	DAY-BRITE	RBX10L-840-UNV-WT-E-MLED-ARR16S	277 V	87 VA	LED	4000	80	PENDANT MOUNT AT SAME AS EXISTING FIXTURES IN THIS AREA OR 15' AFF TO BOTTOM OF FIXTURE	LOW BAY PENDANT (EMERGENCY CIRCUIT)
WP	LITON	WLP32-60W-UE-D10-SH	277 V	60 VA	LED	4000	80	WALL MOUNT AT SAME HEIGHT AS EXISTING WALL PACK FIXTURES	9' ADJUSTABLE FLOODLIGHT
X	HE WILLIAMS	EXIT-RAC-WHT-SDT-D	277 V	3 VA	LED			WALL MOUNT 9' AFF TO BOTTOM OF FIXTURE	LED EXIT SIGN; WALL MOUNTED (EMERGENCY CIRCUIT)
XC	HE WILLIAMS	EXIT-RAC-WHT-SDT-D	277 V	3 VA	LED			CEILING MOUNT	CEILING MOUNT EXIT SIGN (EMERGENCY CIRCUIT)

EXISTING LIGHTING CONTROL PANEL - NORMAL POWER

VOLTAGE: 277/480V SUPPLY PANEL: PANEL HNE1C MOUNTING: SURFACE PANEL: LUTRON SOFT SWITCH128 XPS8-FT NEMA RATING 1 OPTIONS: N/A LOCATION ELECTRICAL RM 1308									
RELAY	LOAD (VA)	LINE FEED	SERVING	VOLTAGE	VOLTAGE	SERVING	LINE FEED	LOAD (VA)	RELAY
1			ETD ROOM	277V	277V	BAGGAGE HANDLING SERVICE			2
3			BAGGAGE HANDLING SERVICE	277V	277V	BAGGAGE HANDLING SERVICE			4
5			BAGGAGE MAKEUP	277V	277V	BAGGAGE HANDLING SERVICE			6
7	1846	HNE1C-4	BAGGAGE HANDLING SERVICE	277V	277V	BAGGAGE HANDLING SERVICE	HNE1C-2	2982	8

EXISTING LIGHTING CONTROL PANEL - EMERGENCY POWER

VOLTAGE: 277/480V SUPPLY PANEL: PANEL HLS1C MOUNTING: SURFACE PANEL: LUTRON SOFT SWITCH128 XPS8-FT NEMA RATING 1 OPTIONS: N/A LOCATION ELECTRICAL RM 1308									
RELAY	LOAD (VA)	LINE FEED	SERVING	VOLTAGE	VOLTAGE	SERVING	LINE FEED	LOAD (VA)	RELAY
1			ETD ROOM	277V	277V	BAGGAGE HANDLING SERVICE			2
3			BAGGAGE HANDLING SERVICE	277V	277V	BAGGAGE MAKEUP			4
5			EXIT DOOR WALKWAYS	277V	277V	EXTERIOR BAGGAGE BUILDING			6
7	1707	HLS1C-8	BAGGAGE HANDLING SERVICE	277V	277V	BAGGAGE HANDLING SERVICE	HLS1C-13	2988	8



KEYNOTES

- RJ45 DIGITAL BUS CONNECTORS ARE LOCATED ON EVERY DIGITAL DEVICE (DIGITAL DEVICES ARE DEFINED AS: RELAY PANELS, DIGITAL SWITCHES AND ALL DIGITAL ACCESSORIES).
- RJ45 CONNECTORS USE THE SAME COLOR CODING AS ETHERNET AND ARE MADE AS STRAIGHT THROUGH CABLES. CROSS OVER CABLES WILL CAUSE SYSTEM FAILURE. ALL CABLES SUPPLIED BY CONTRACTOR.

NOTES

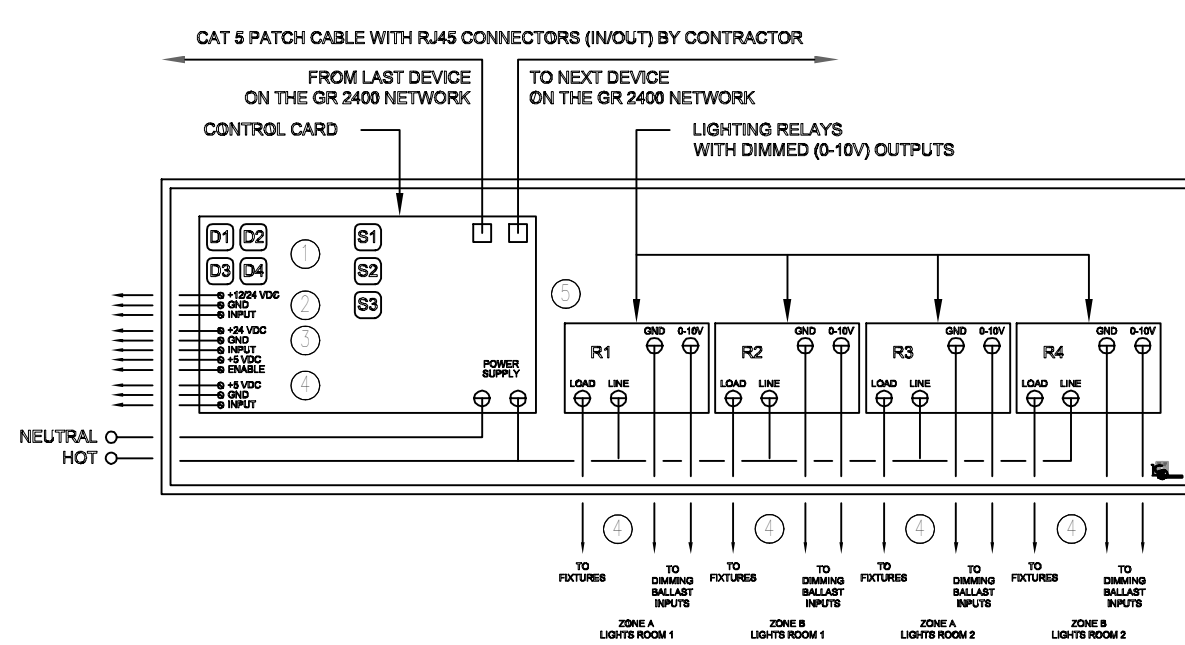
1. DAISY-CHAIN CAT. 5 PATCH CABLE WITH RJ45 CONNECTORS FROM DIGITAL DEVICE TO DIGITAL DEVICE.
2. REFER TO MANUFACTURERS INSTRUCTIONS FOR LONG DISTANCE RUNS BETWEEN DIGITAL DEVICES.
3. UP TO 4,000 FT TOTAL BUS LENGTH
4. CRIMP AND TEST EACH CABLE WITH A LAN CIRCUIT TESTER PRIOR TO INSTALLATION.

TYPICAL LOW VOLTAGE NETWORK HOOK UP

NTS

GR 2404-DIM

WIRING DETAIL

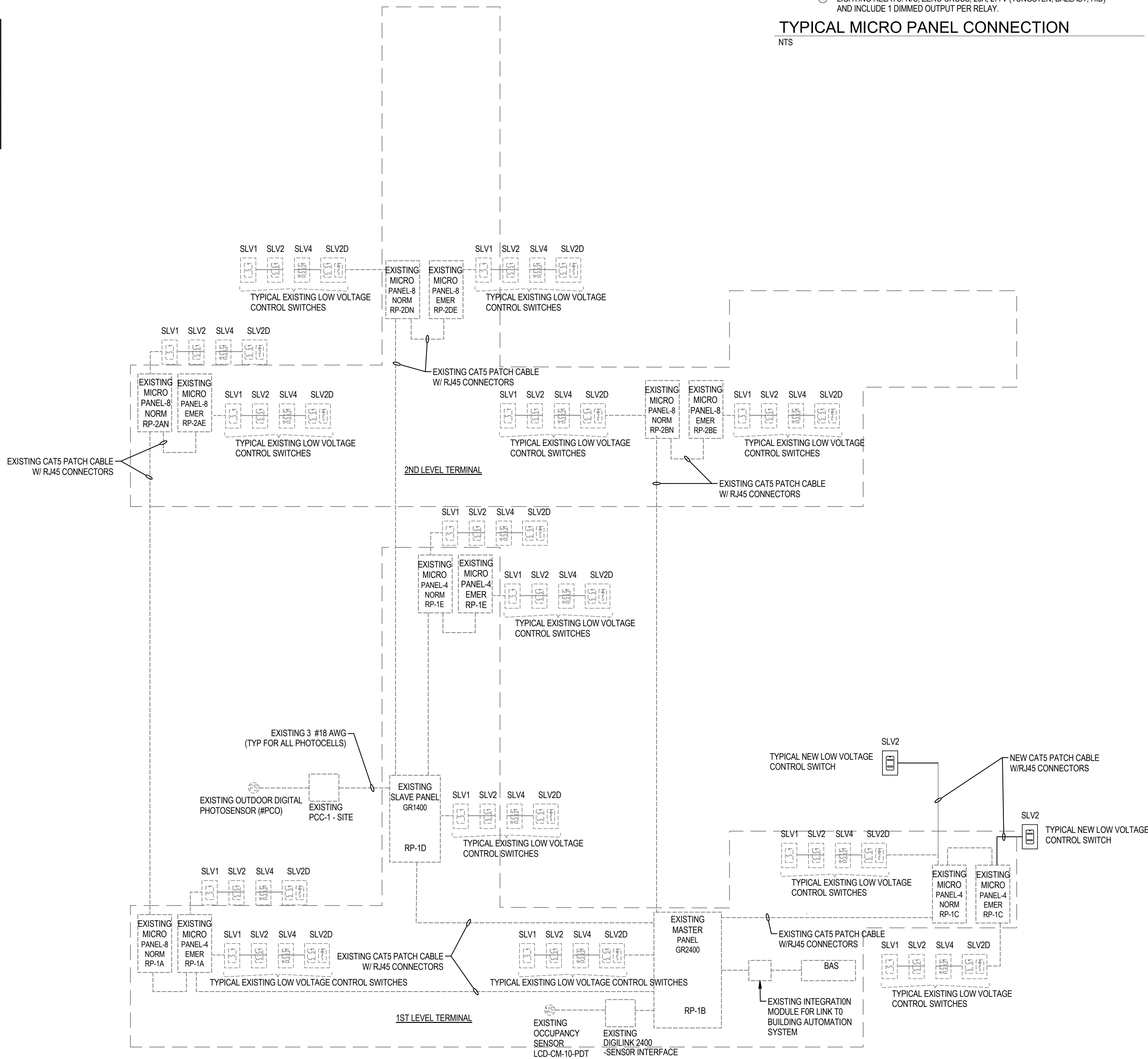


KEYNOTES

- MANUAL SWITCH BUTTONS FOR RAISE/LOWER AND THREE SCENES.
- OCCUPANCY SENSOR INPUTS. TYPICAL OF 4. WILL OPERATE WITH ANY LOW VOLTAGE OCCUPANCY SENSOR THAT OUTPUTS DRY CONTACT. POWER SUPPLY OUT FOR 12V OR 24V SENSORS. 3#18 AWG SHIELDED.
- PHOTOCELL INPUTS. TYPICAL OF 4. SPECIFY LUMEN MAINTENANCE PHOTOCELL (LMPC). DIMMERS MAY BE ENABLE TO FOLLOW PHOTOCELL INPUTS. PROGRAMMING SHALL BE DONE FROM A DTC IN THE MASTER RELAY PANEL OR FROM A DESKTOP COMPUTER, LOCALLY OR REMOTELY 5#18AWG.
- MATRIXABLE CONTACT CLOSURE OR ANALOG INPUTS FOR RAISE LOWER, ON/OFF OR SCENE CONTROL.
- LIGHTING RELAYS: NVC, ZERO CROSS, 20A, 277V (TUNGSTEN, BALLAST, HID) AND INCLUDE 1 DIMMED OUTPUT PER RELAY.

TYPICAL MICRO PANEL CONNECTION

NTS



LIGHTING CONTROLS RISER DIAGRAM

NTS



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AA26001957



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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

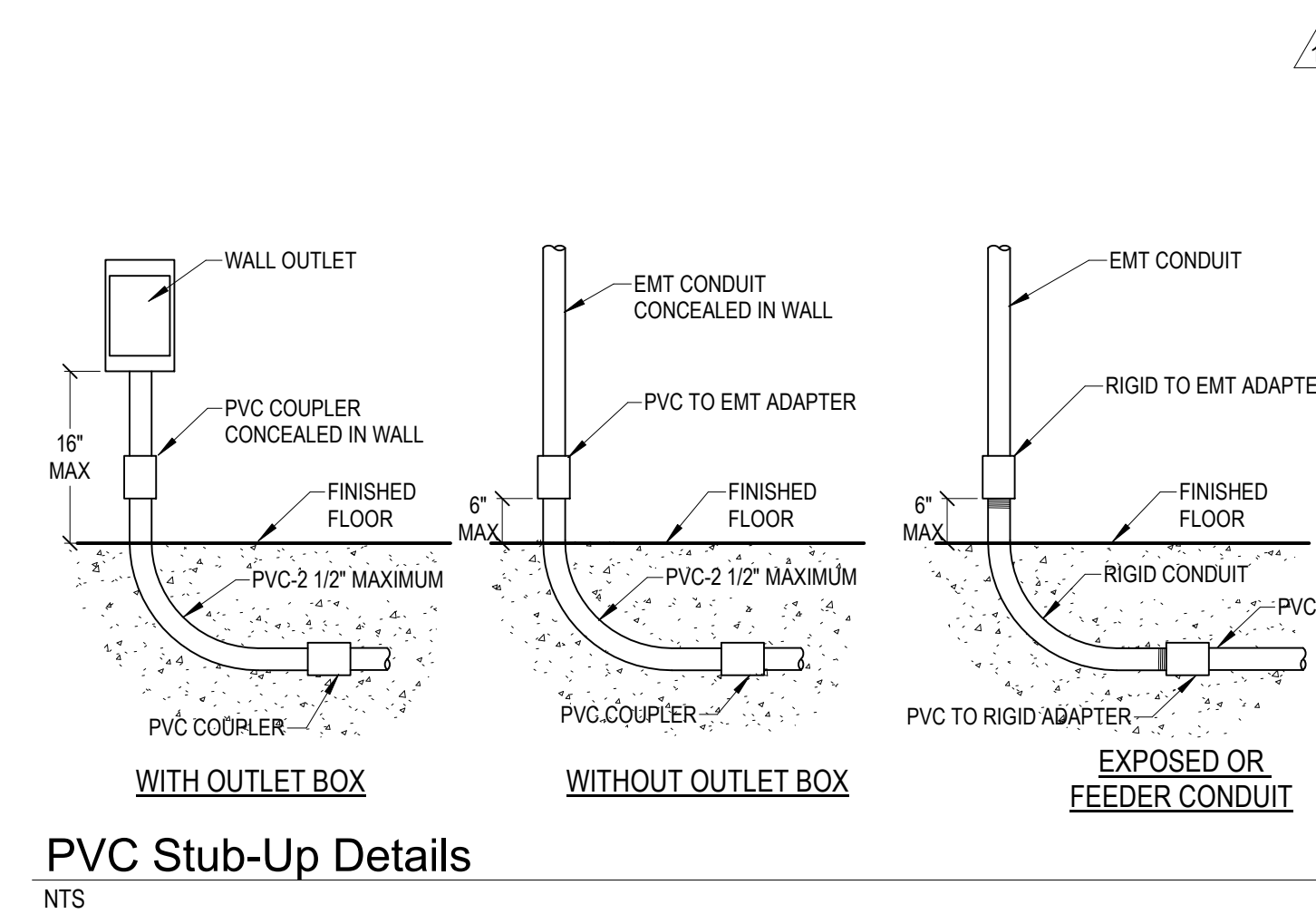
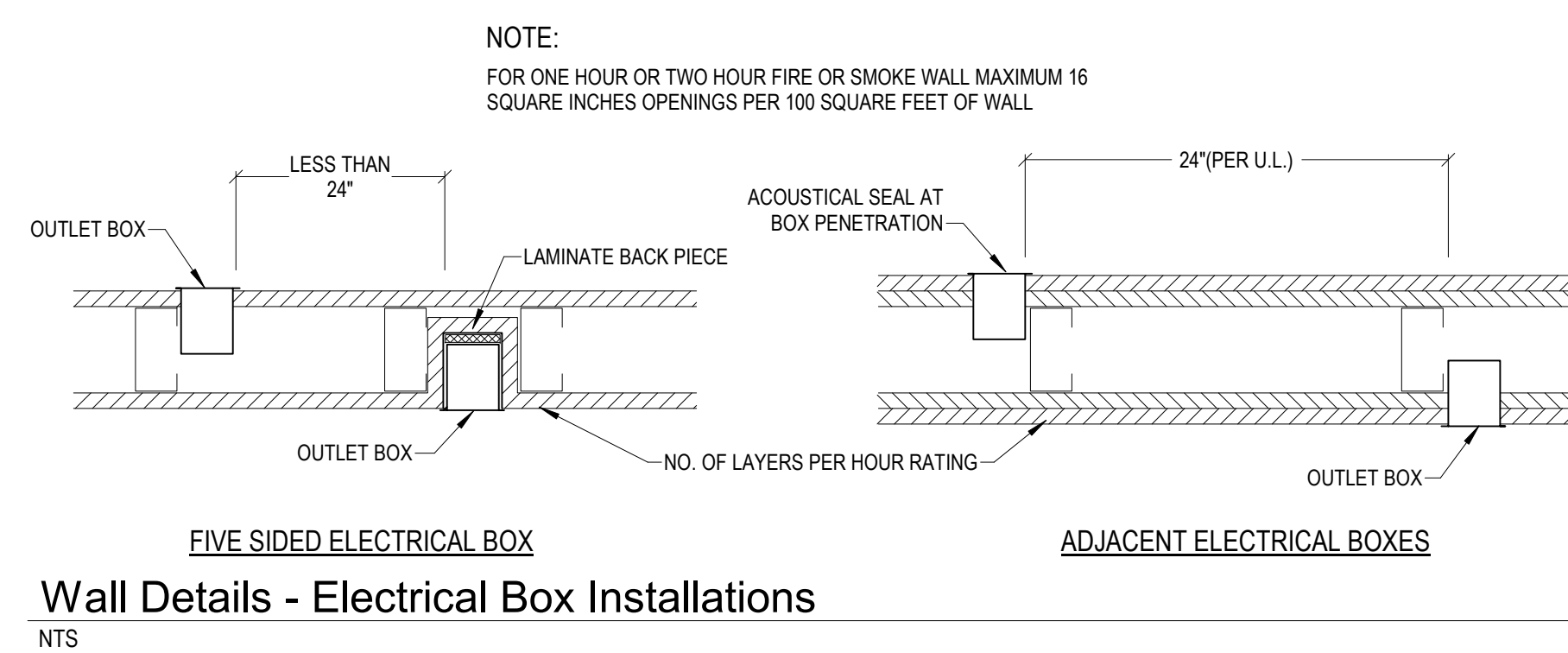
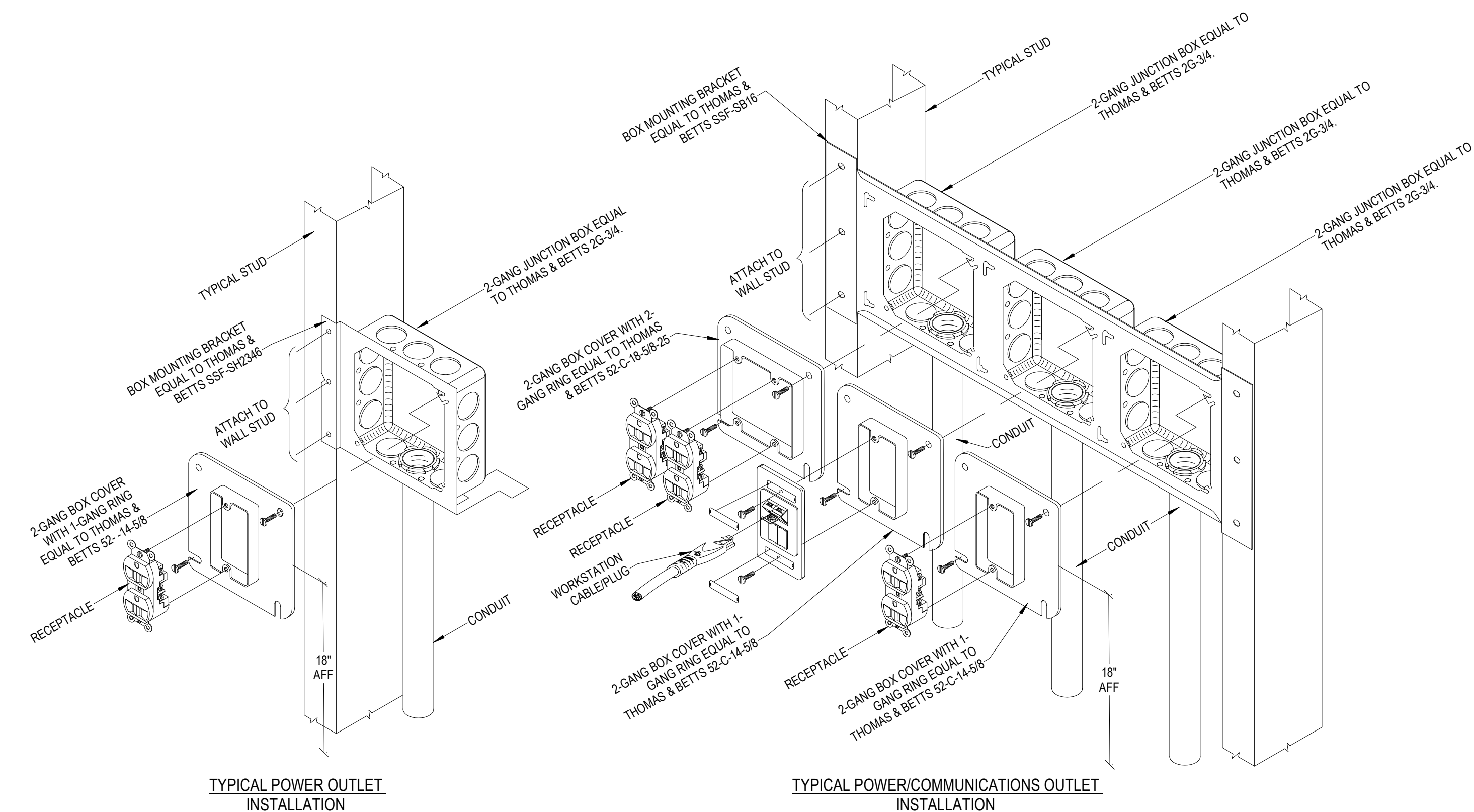
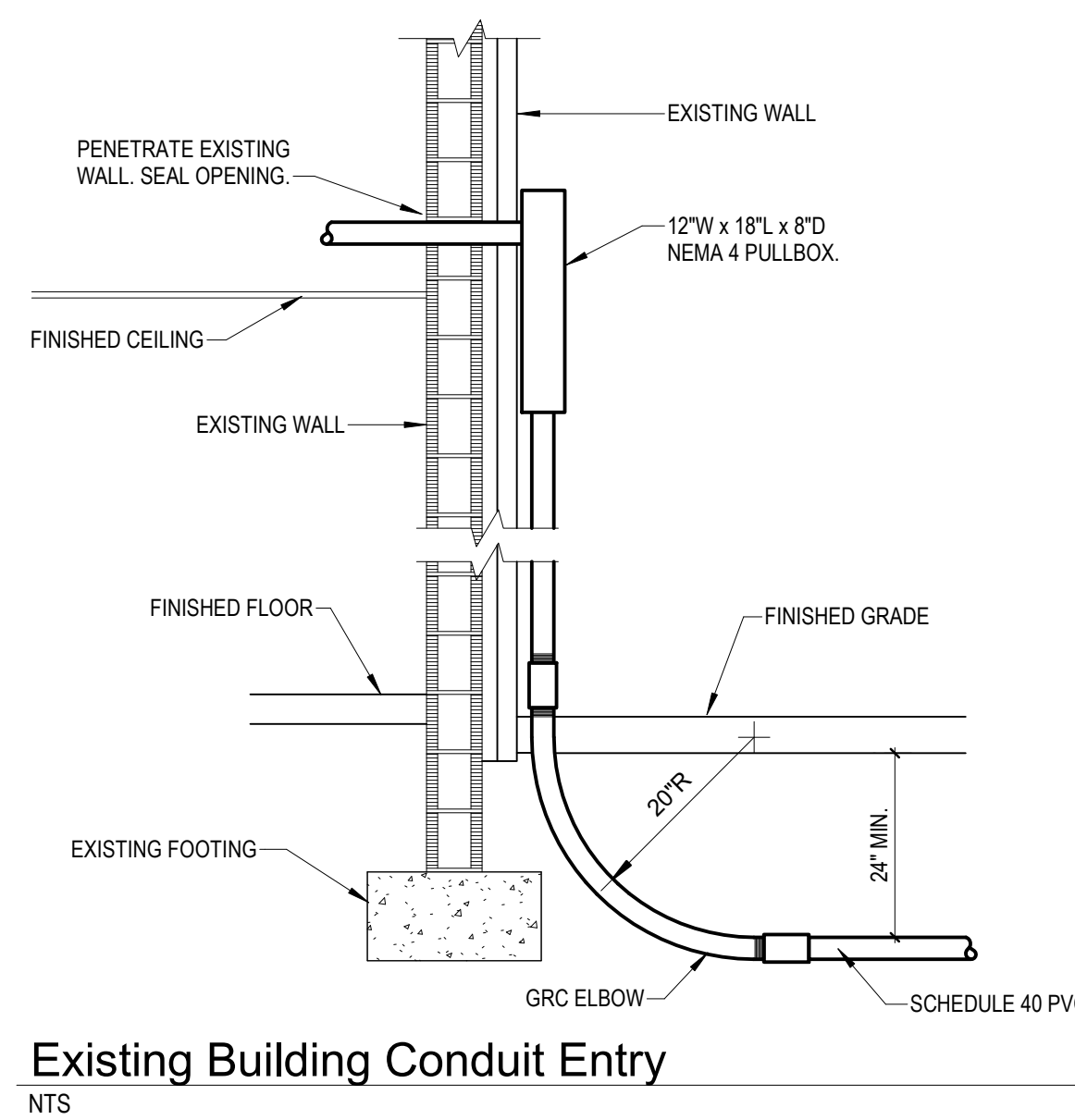
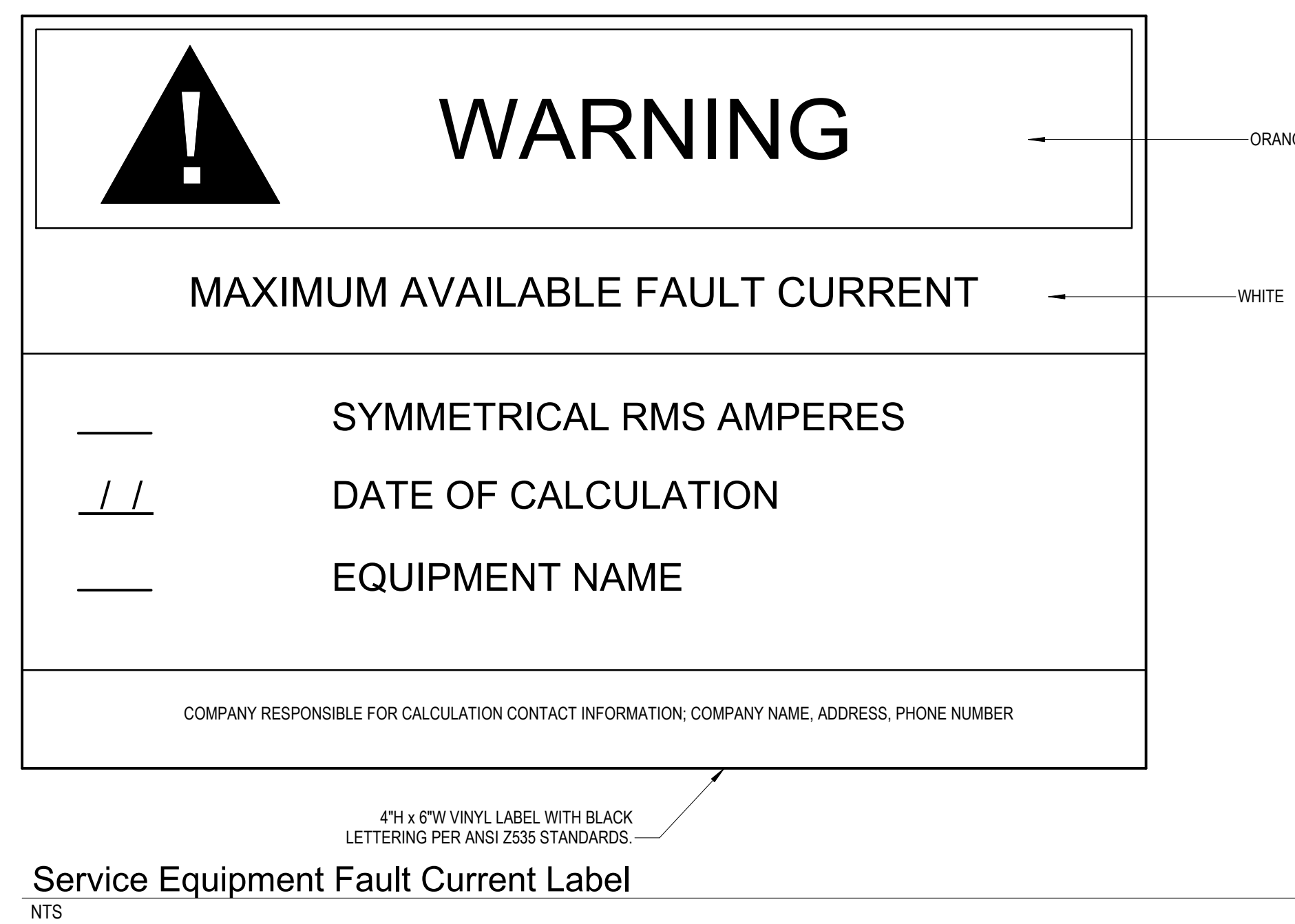
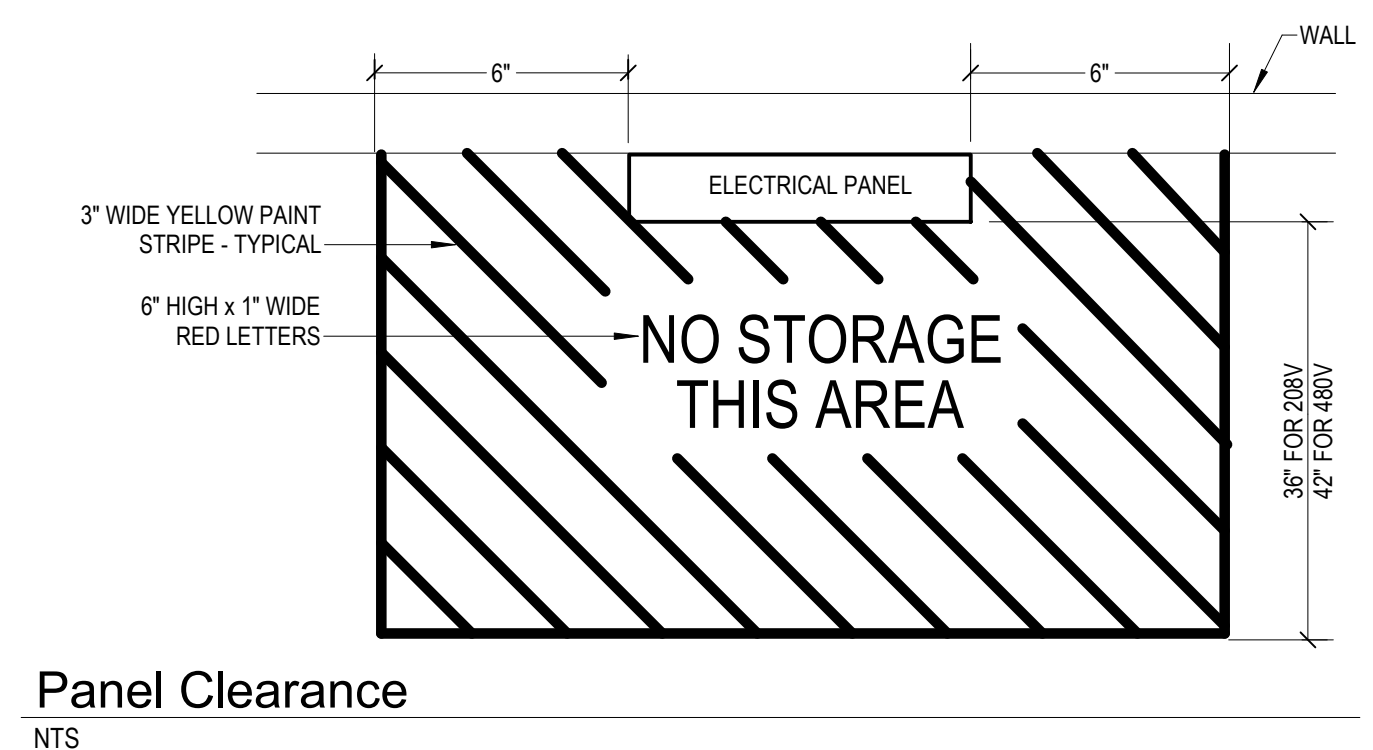
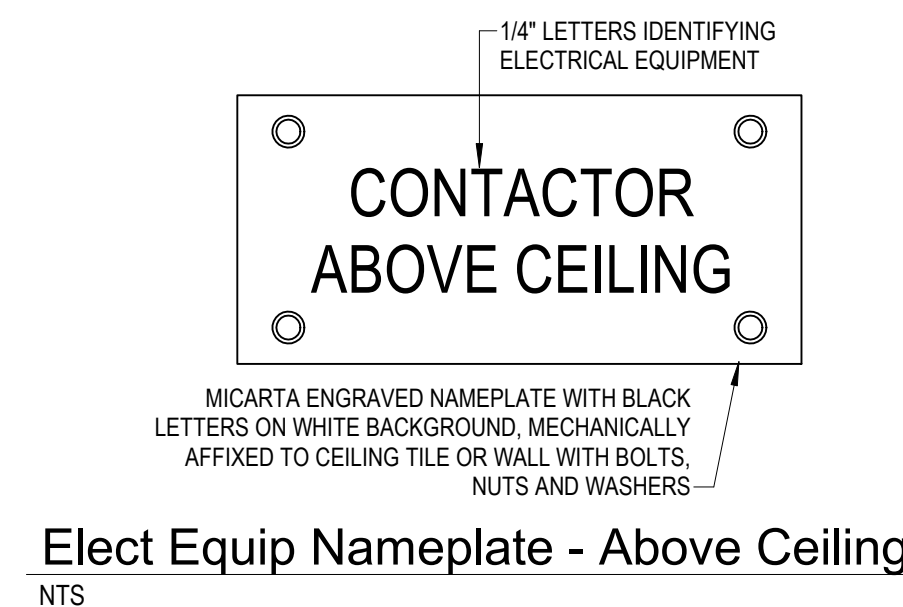
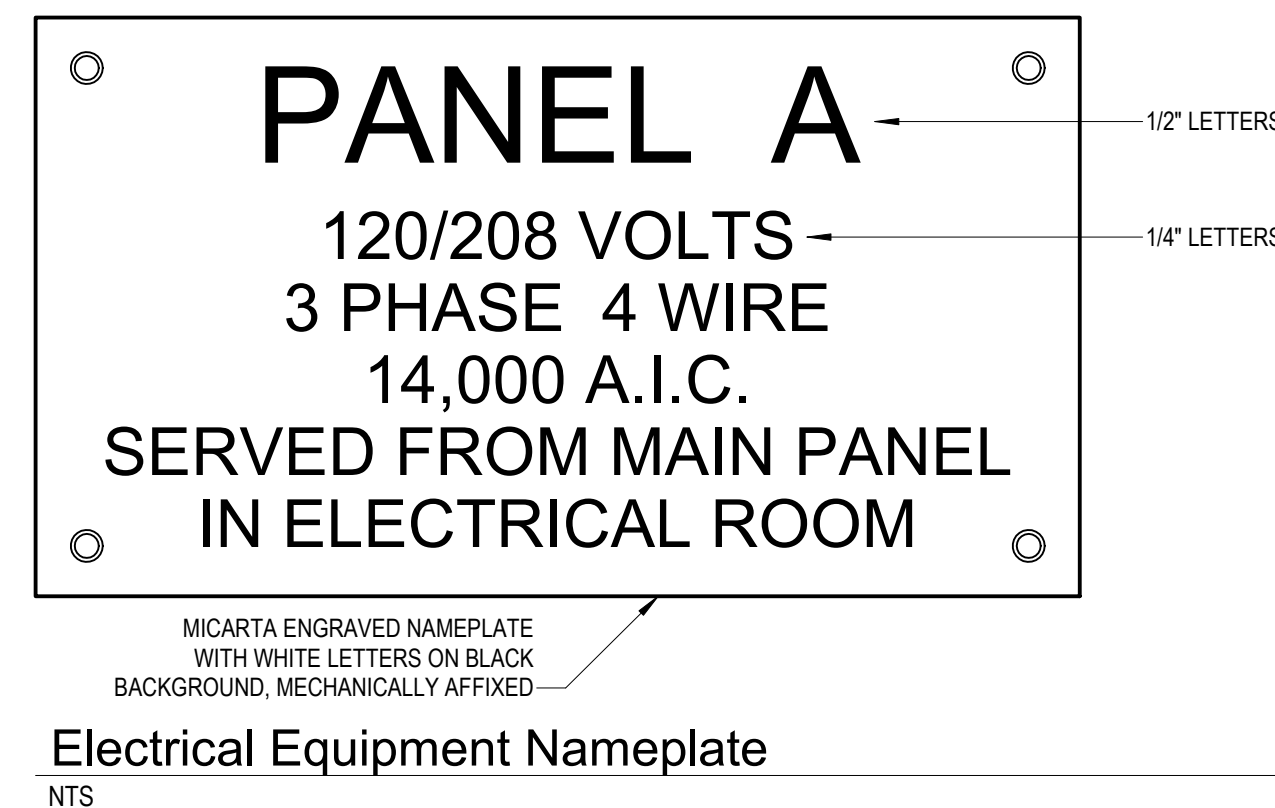
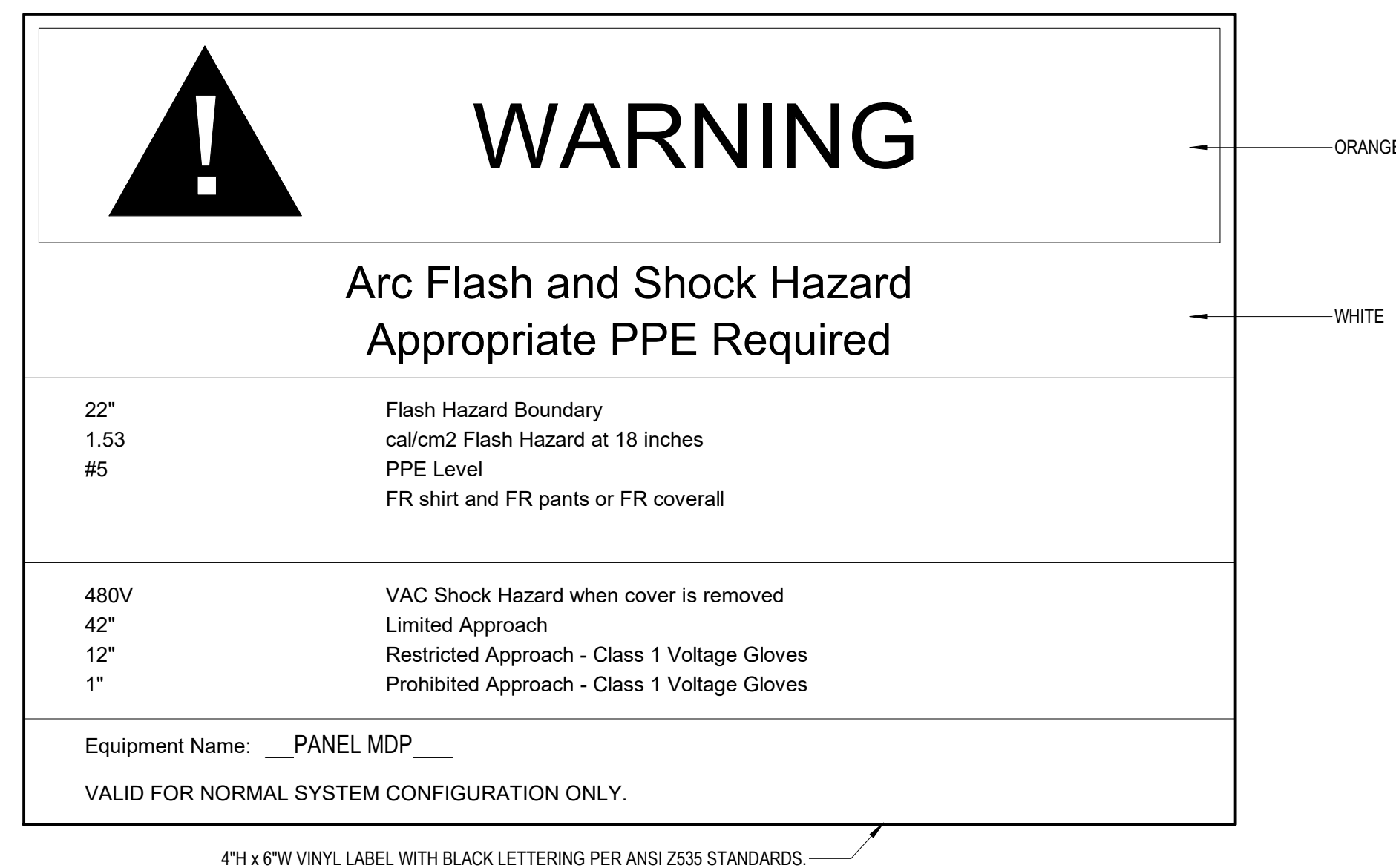
3.25.2022

DRAWING TITLE

LIGHTING FIXTURE SCHEDULE AND CONTROLS

SHEET NUMBER

E-301



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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



OBJECT TITLE

ANAMA CITY AIRPORT NWFBIA:

OUTBOUND BAGGAGE EXPANSION

300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

0. 210211

DUE DATE

25.2022

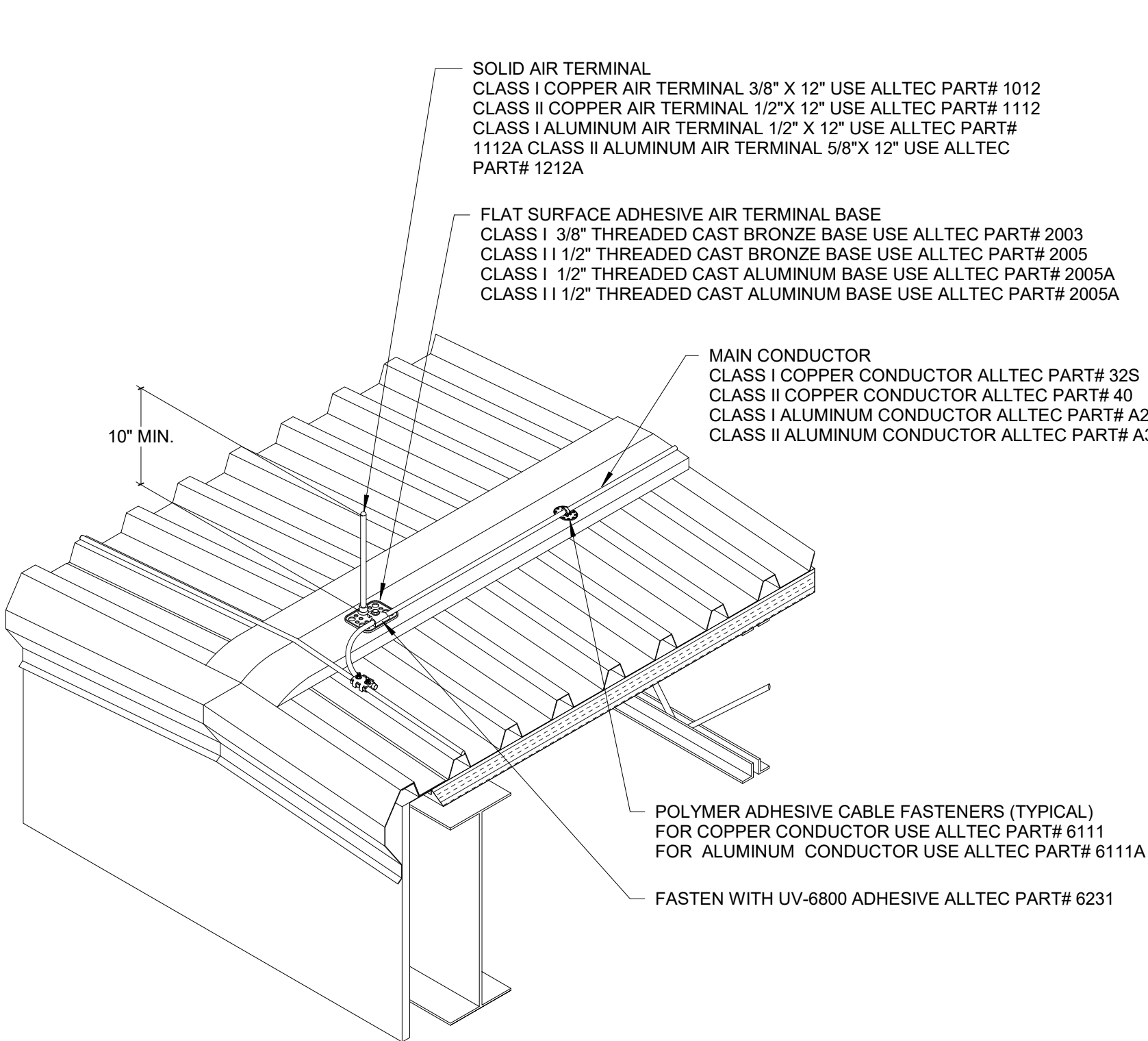
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ELECTRICAL DETAILS

ET NUMBER

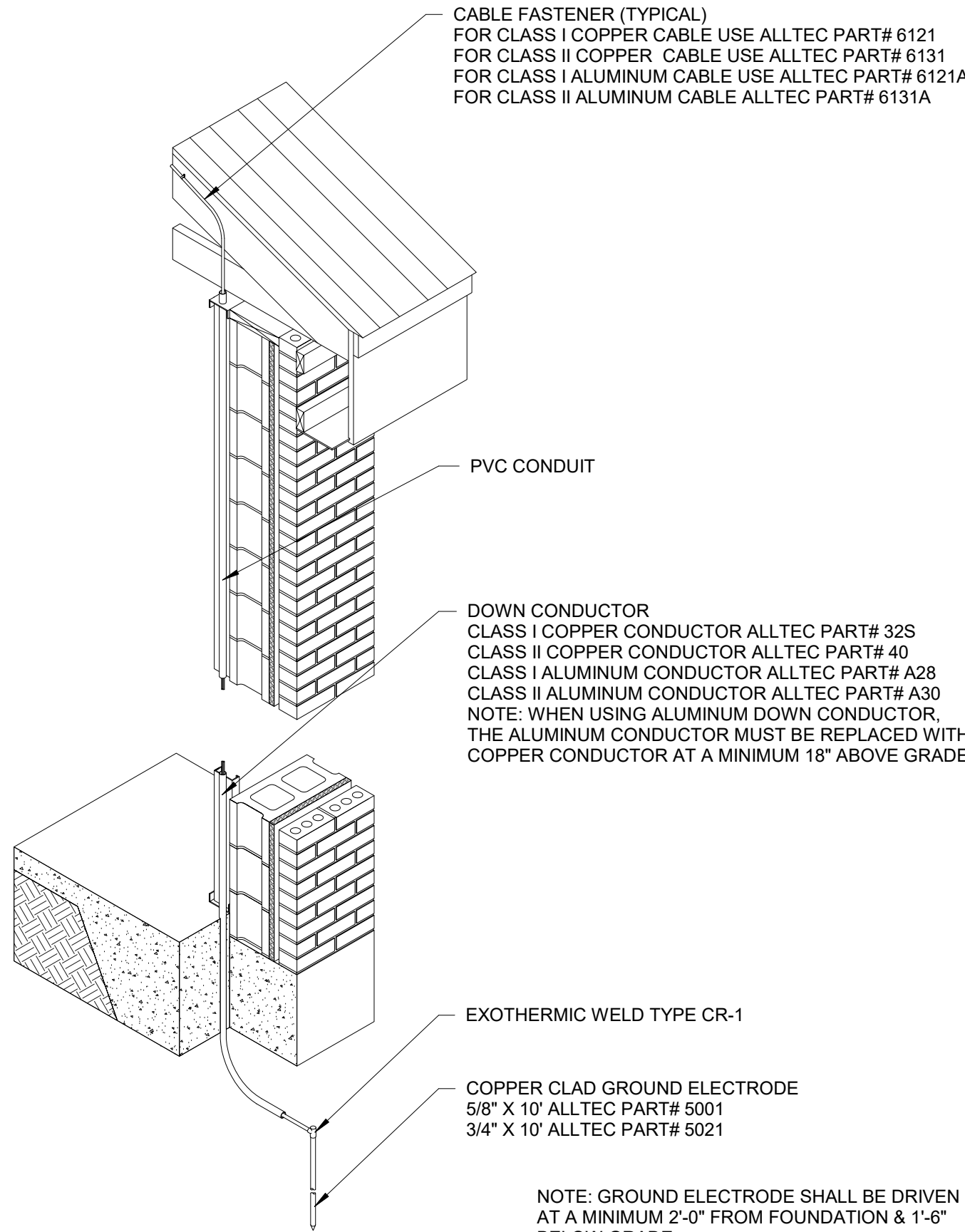
E-401

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Christopher A. Garick; FL. PE No.53924
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Caleb W. Leonard; FL. PE No.91782



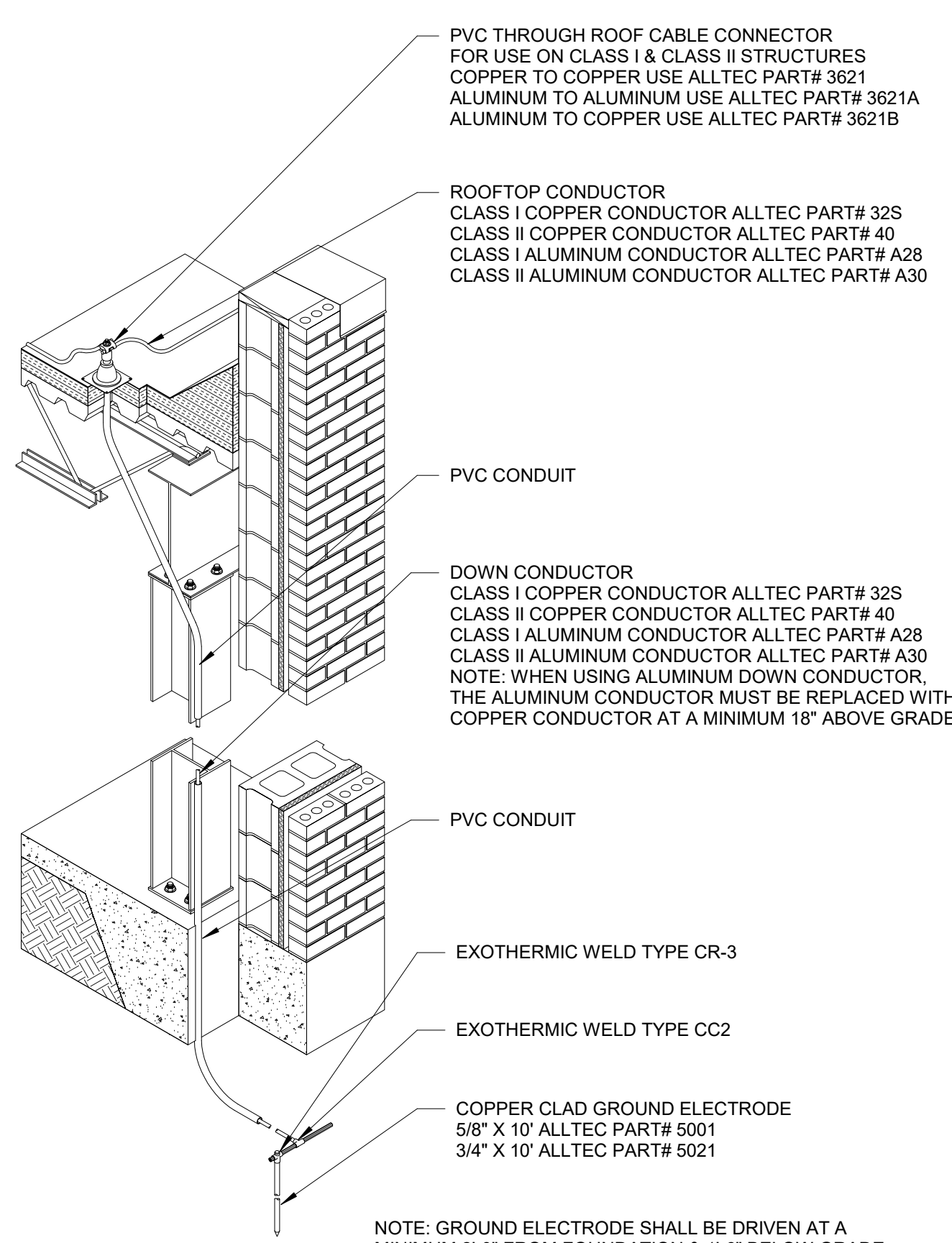
Air Terminal Mounted at Sloped Roof Ridge

NTS



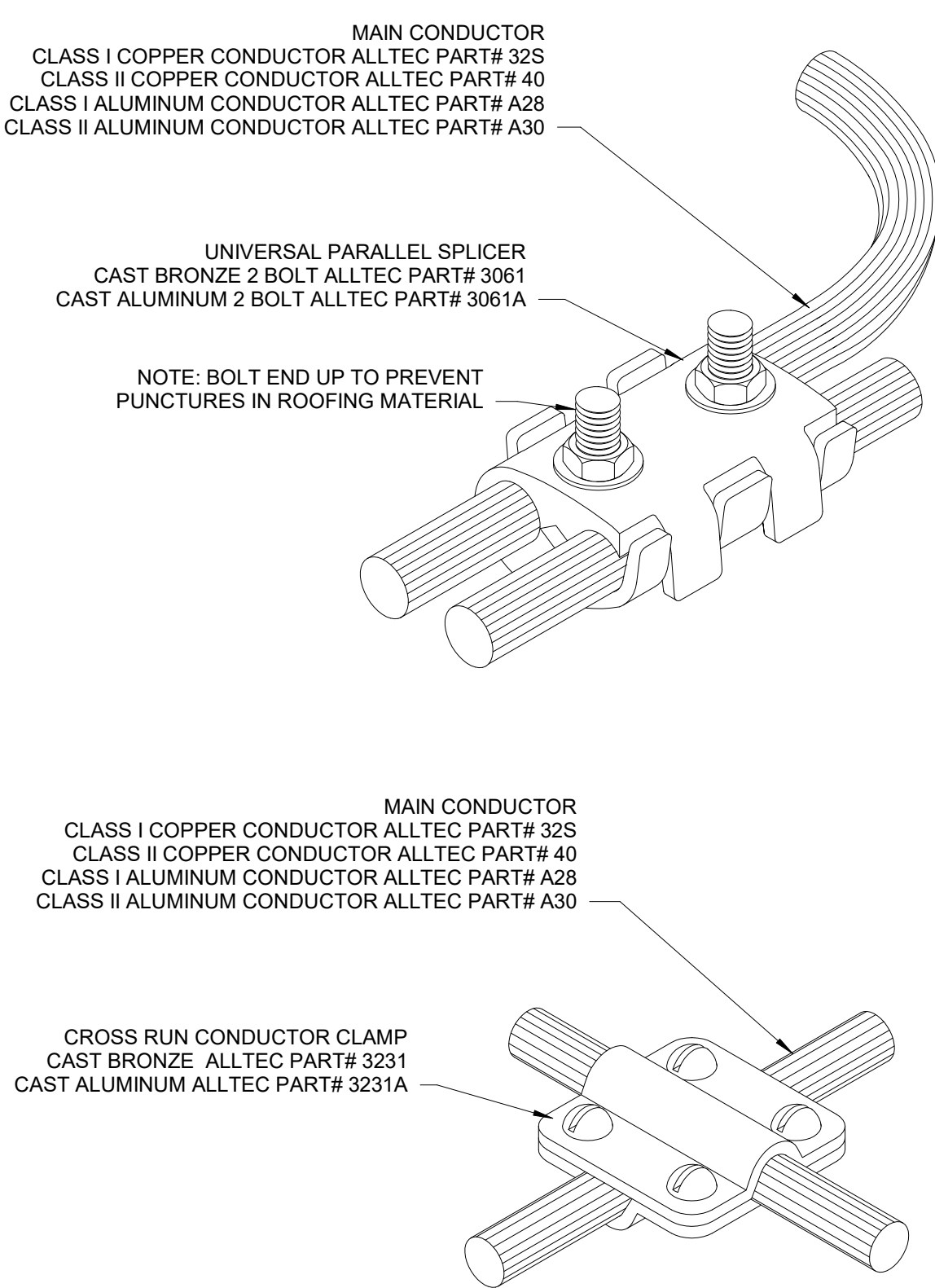
Concealed Copper Down Conductor to Ground

NTS



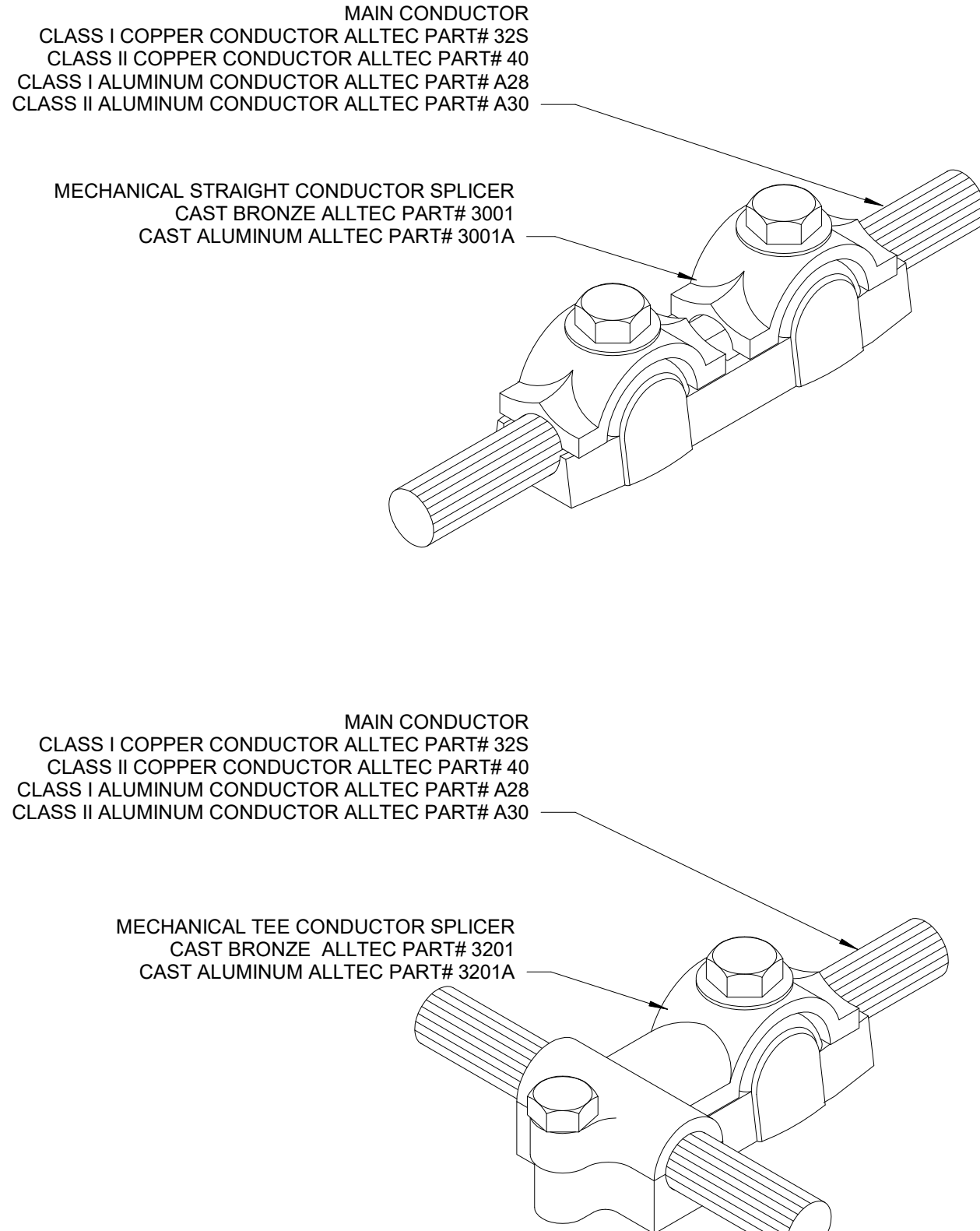
PVC Through Roof Cable Connection to Ground

NTS



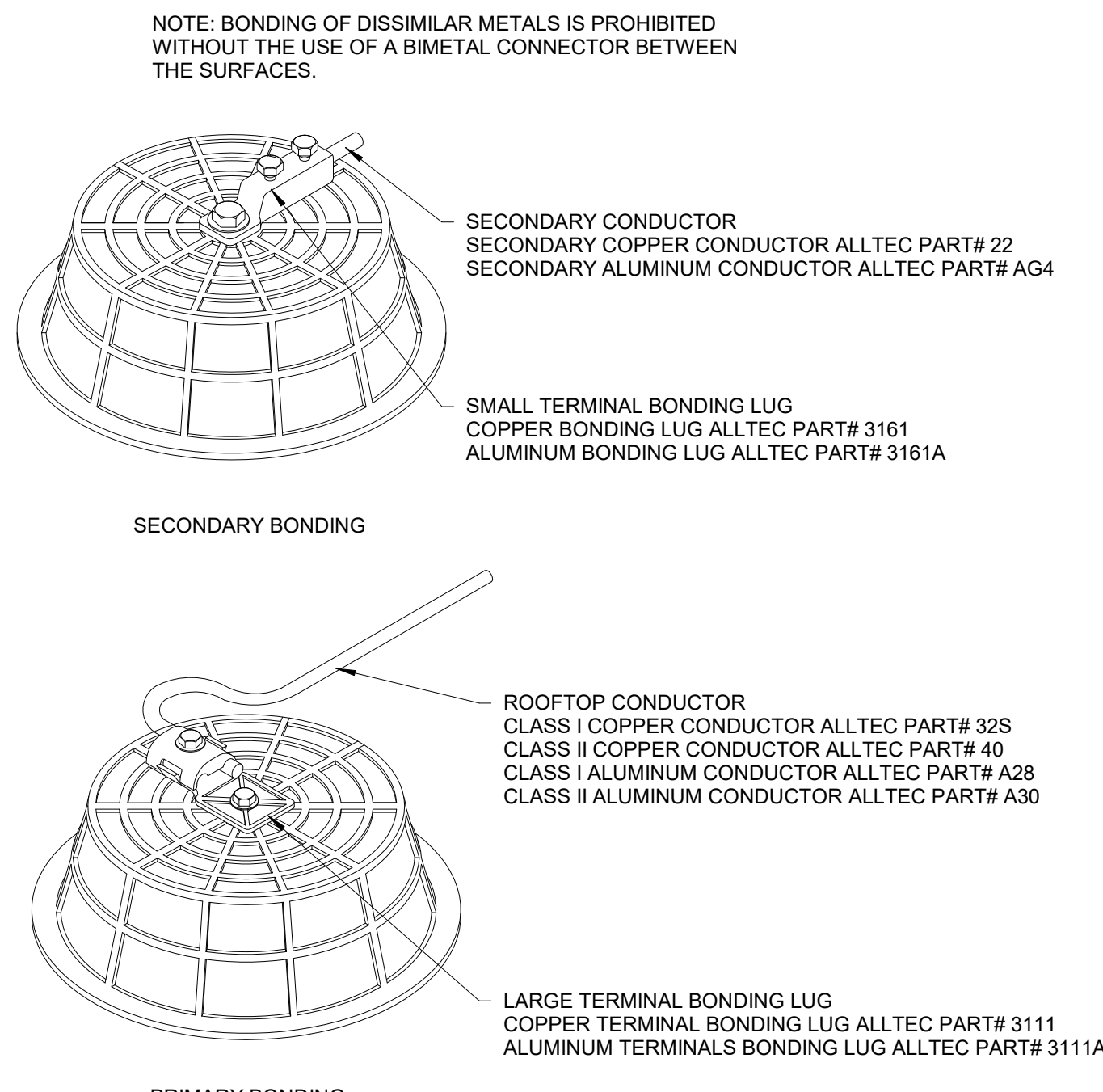
Cable Clamps and Splicers

NTS



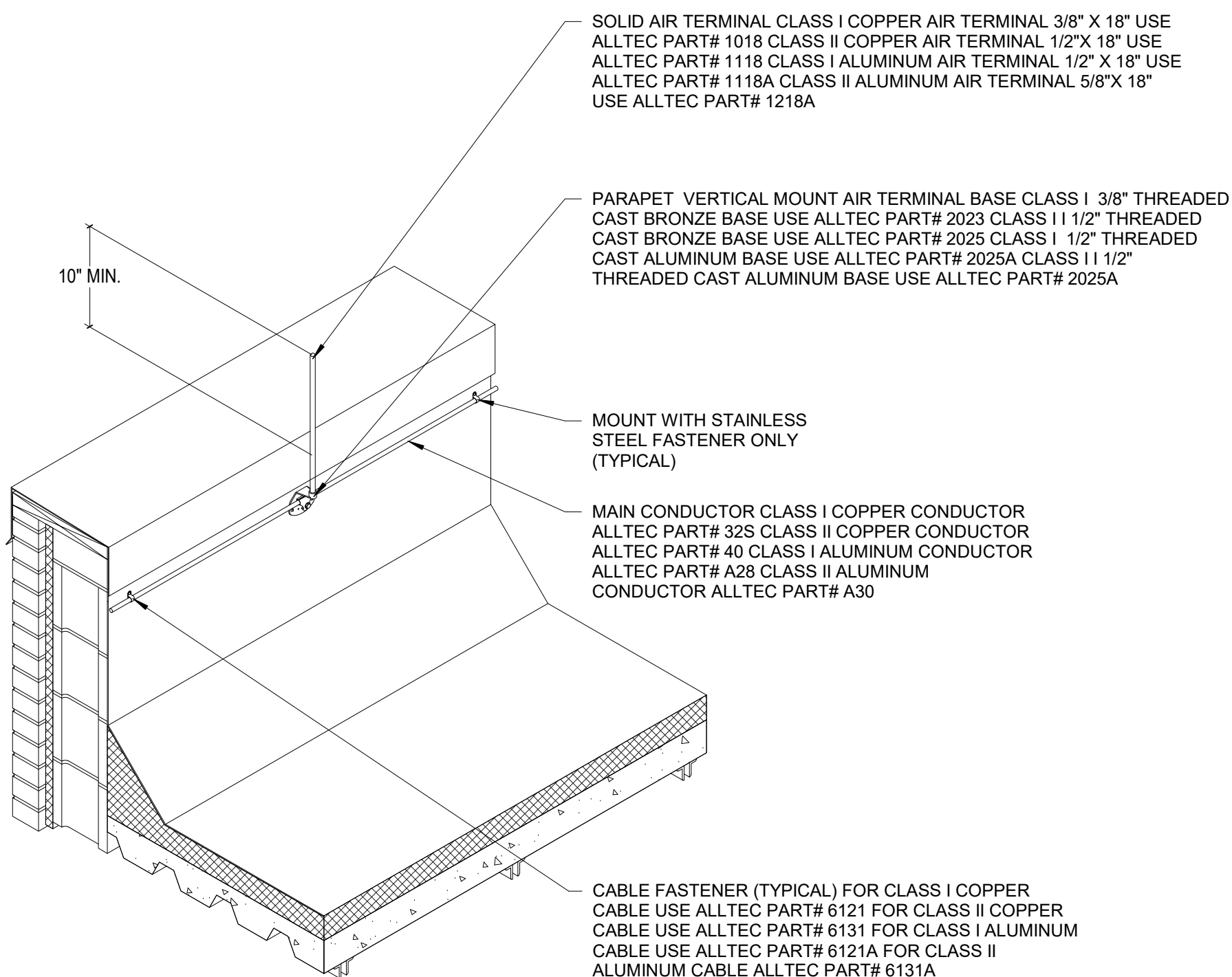
Typical Bonding of Roof Exhaust Vent

NTS



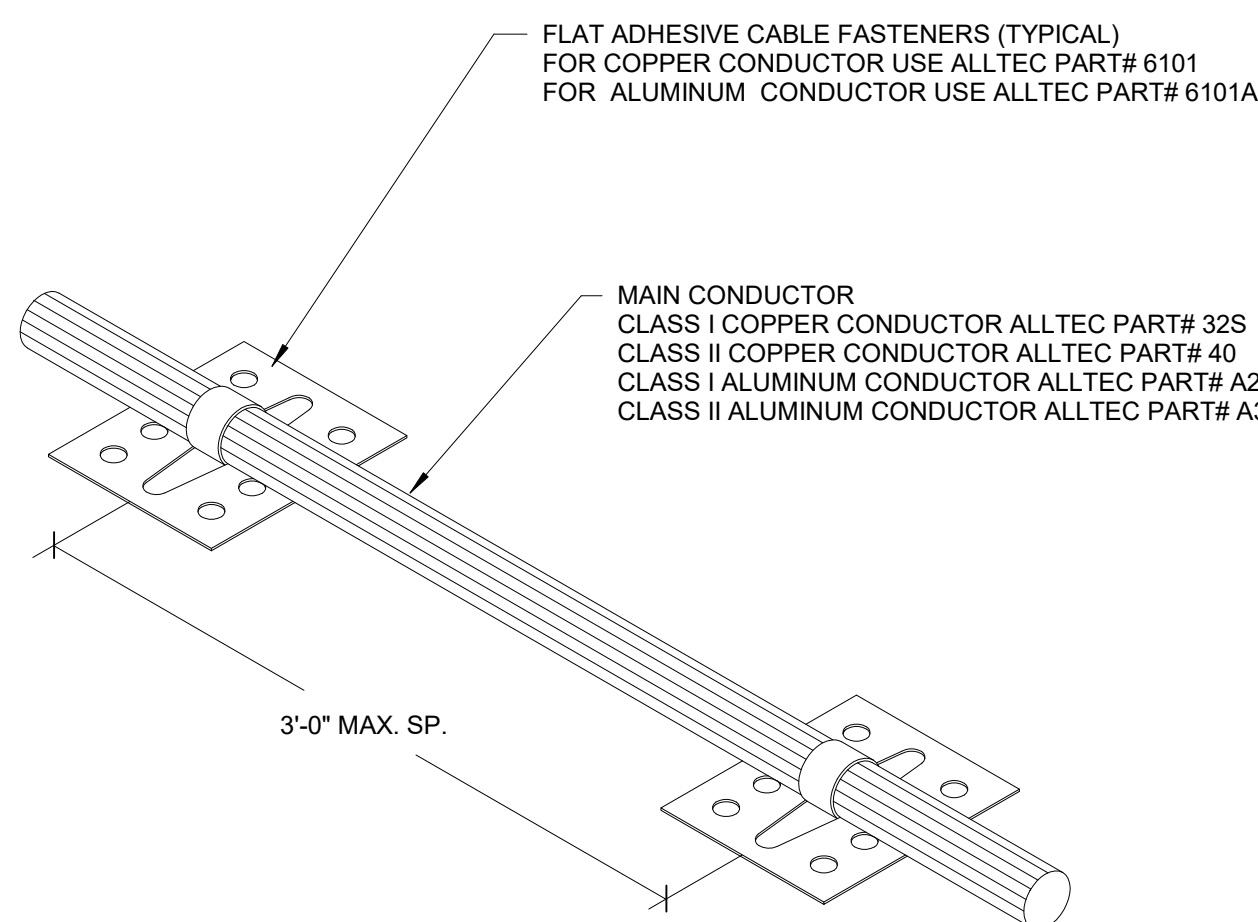
Typical Bonding of Roof Drain

NTS



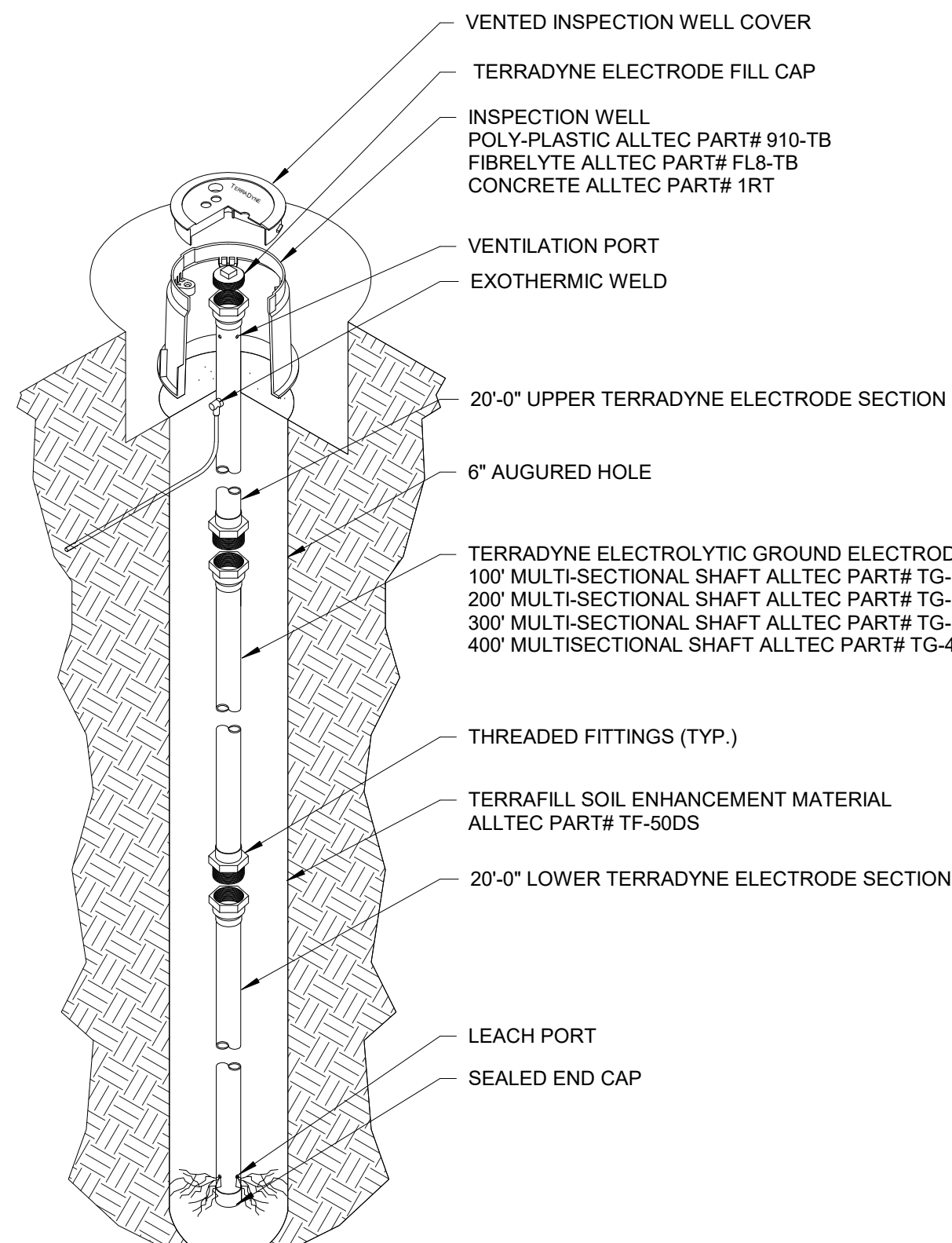
Vertical Offset Parapet Mounted Air Terminal

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Flat Adhesive Cable Fastener

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Electrolytic Grounding - Terradyne 'Deep' Series

NTS



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PANAMA CITY AIRPORT NWFBA:

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6300 W BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

3.25.2022

DRAWING TITLE

LIGHTNING PROTECTION DETAILS

SHEET NUMBER

E-402



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Thomas A. Alexander, FL PE No. 73172
Daniel J. White, FL PE No. 73790
Caleb W. Leonard, FL PE No. 91782

- NEW WORK LEGEND
- EXISTING TO REMAIN: GRAY SHADED
 - NEW WORK: BOLD

EXISTING POWER PANEL

HEQ1C															
MAIN 600 A MLO SYSTEM 480Y/277V 3P 4W OPTIONS BOLT ON BREAKERS; TWO EQUAL SECTIONS						A.I.C. RATING 22kA NEMA 1				LOCATION MOUNTING Surface					
LOAD PER PHASE															
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT		
1	VAV 2-7-7	20 A	1	1500 VA	3500 VA					1	20 A	VAV 2-7-2	2		
3	VAV 2-7-3	20 A	1			1000 VA	2100 VA			1	20 A	FCU-TERM-6	4		
5								2000 VA	2000 VA	1	20 A	H-TERR-1	6		
7	MOTORIZED DOOR	20 A	3	2000 VA	4000 VA					3	20 A	VAV 2-7-1	8		
9						2000 VA	4000 VA						10		
11								400 VA	4000 VA				12		
13	F-BAB-3	20 A	3	400 VA	3300 VA					3	20 A	VAV 2-7-4	14		
15						400 VA	3300 VA						16		
17								3300 VA	3300 VA				18		
19	VAV 2-7-5	20 A	3	3300 VA	3000 VA					3	50 A	AHU 2-7	20		
21						3300 VA	3000 VA						22		
23								0 VA	3000 VA				24		
25	SPARE	40 A	3	0 VA	25344 VA			0 VA	25344 VA	3	150 A	MCP-5	26		
27						0 VA	25344 VA						28		
29	SPARE	20 A	1					0 VA	25344 VA				30		
31						17400 VA	23200 VA			3	110 A	MCP-3	32		
33	MCP-1	80 A	3				17400 VA	23200 VA		3			34		
35								17400 VA	23200 VA				36		
37						38200 VA	33700 VA			3	175 A	MCP-4	38		
39	MCP-2	175 A	3				38200 VA	33700 VA					40		
41								38200 VA	33700 VA				42		
43						1800 VA	2100 VA			3	20 A	MOTORIZED DOOR	44		
45	VAV 2-7-6	20 A	3			1800 VA	2100 VA						46		
47								1800 VA	2100 VA				48		
49						0 VA	2000 VA			3	20 A	MOTORIZED DOOR	50		
51	SPARE	20 A	3			0 VA	2000 VA						52		
53								0 VA	2000 VA				54		
55						2100 VA	2100 VA						56		
57	MOTORIZED DOOR	20 A	3				2100 VA	2100 VA		3	30 A	MOTORIZED DOOR	58		
59								2100 VA	2100 VA				60		
61						2000 VA	800 VA						62		
63	MOTORIZED DOOR	20 A	3				2000 VA	800 VA		3	20 A	F-BAG-4	64		
65								2000 VA	800 VA				66		
67	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	68		
69	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	70		
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72		
73	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	74		
75	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	76		
77	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	78		
79				0 VA	0 VA					1	20 A	SPARE	80		
81	TVSS	30 A	3			0 VA	0 VA			1	20 A	SPARE	82		
83								0 VA	0 VA	1	20 A	SPARE	84		
POWER/PHASE AMPS/PHASE				171744 VA 621 A		168844 VA 614 A		168744 VA 609 A							
LOAD CLASS				CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS					
Other				12000 VA		100.00%		12000 VA		CONNECTED POWER 510332 VA					
Spare				498332 VA		100.00%		498332 VA		DEMAND POWER 510332 VA					
										CONNECTED AMPS 614 A					
										DEMAND AMPS 614 A					
NOTES:															

EXISTING POWER PANEL

HLS1C

MAIN 100 A MLO
SYSTEM 480Y/277V 3P 4W
OPTIONS BOLT ON BREAKERS

A.I.C. RATING 22kA
NEMA 1

LOCATION
MOUNTING Surface

LOAD PER PHASE

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT	
1	LTG	20 A	1	637 VA	0 VA			1	20 A	SPARE	2
3	LTG	20 A	1		609 VA	0 VA		1	20 A	SPARE	4
5	LTG	20 A	1			609 VA	0 VA	1	20 A	SPARE	6
7	LTG	20 A	1	887 VA	1707 VA			1	20 A	LTG - BAGGAGE AREA	8
9	LTG	20 A	1		332 VA	0 VA		1	20 A	SPARE	10
11	LTG	20 A	1			139 VA	0 VA	1	20 A	SPARE	12
13	LIGHTING - BAGGAGE AREA	20 A	1	2988 VA	0 VA			1	20 A	SPARE	14
15	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	16
17	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	20
21	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	28
29	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	32
33	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	34
35	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	38
39	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	40
41	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	42
POWER/PHASE				6219 VA	941 VA	748 VA					
AMPS/PHASE				23 A	4 A	3 A					
LOAD CLASS		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS			
Lighting - General		4692 VA		100.00%		4692 VA		CONNECTED POWER 7908 VA			
Other		3 VA		100.00%		3 VA		DEMAND POWER 7908 VA			
Spare		3213 VA		100.00%		3213 VA		CONNECTED AMPS 10 A			
								DEMAND AMPS 10 A			

NOTES:

EXISTING POWER PANEL

L1C													
MAIN 250 A MCB SYSTEM 208Y/120V 3P 4W OPTIONS BOLT ON BREAKERS; TWO EQUAL SECTIONS				A.I.C. RATING 10kA NEMA 1				LOCATION MOUNTING Surface					
LOAD PER PHASE													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	TVSS	30 A	3	0 VA	0 VA	0 VA	0 VA			3	20 A	SPARE	2
3													4
5								0 VA	0 VA				6
7													8
9	SPARE	20 A	3	0 VA	0 VA	0 VA	0 VA			3	20 A	SPARE	10
11							0 VA	0 VA	12				
13													14
15													16
17	SPARE	20 A	2	0 VA	0 VA	0 VA	0 VA			2	20 A	SPARE	18
19								0 VA	0 VA				20
21													22
23								0 VA	0 VA				24
25	REC	20 A	1	600 VA	100 VA					1	20 A	F-TX-6	26
27	REC	20 A	1			600 VA	400 VA			1	20 A	REC	28
29	REC-BAGGAGE TERMINAL	20 A	1					360 VA	500 VA	1	20 A	REC	30
31	REC-DISTRATIFICATION FANS	20 A	1	360 VA	700 VA					1	20 A	F-BAG-1	32
33	REC-BAGGAGE TERMINAL	20 A	1			180 VA	700 VA			1	20 A	F-BAG-2	34
35	REC	20 A	1					400 VA	700 VA	1	20 A	F-BAG-5	36
37	REC	20 A	1	1400 VA	500 VA					1	20 A	REC	38
39	REC	20 A	1			800 VA	500 VA			1	20 A	REC	40
41	REC	20 A	1					1000 VA	500 VA	1	20 A	REC	42
43	LTG REC	20 A	1	200 VA	500 VA					1	20 A	TP-2	44
45	REC MICROWAVE	20 A	1			800 VA	1000 VA			1	20 A	REC	46
47	REC	20 A	1					800 VA	1000 VA	1	20 A	REC	48
49	HAND DRYER	20 A	1	500 VA	0 VA					1	20 A	REC	50
51	REC FUTURE AUTO LOADS	20 A	1			1200 VA	600 VA			1	20 A	REC	52
53	REC FUTURE AUTO LOADS	20 A	1					1200 VA	400 VA	1	20 A	REC	54
55	REC FUTURE AUTO LOADS	20 A	1	1200 VA	843 VA					2	60 A	FBAG-6	56
57	REC FUTURE AUTO LOADS	20 A	1			1400 VA	843 VA						58
59	REC FUTURE AUTO LOADS	20 A	1					1200 VA	843 VA	2	60 A	FBAG-7	60
61	REC FUTURE AUTO LOADS	20 A	1	1200 VA	843 VA					1	20 A	REC-TELECOM, BAGGAGE TERMINAL	62
63	REC FUTURE AUTO LOADS	20 A	1			1200 VA	180 VA			1	20 A	SPARE	64
65	REC FUTURE AUTO LOADS	20 A	1					1200 VA	0 VA	1	20 A	SPARE	66
67	REC FUTURE AUTO LOADS	20 A	1	1200 VA	0 VA					1	20 A	SPARE	68
69	REC-BAGGAGE TERMINAL	20 A	1			540 VA	0 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72
73	REC-TELECOM, BAGGAGE TERMINAL	20 A	1	180 VA	0 VA					1	20 A	SPARE	74
75	REC-TELECOM, BAGGAGE TERMINAL	20 A	1			180 VA	0 VA			1	20 A	SPARE	76
77	REC MCP CKT	20 A	1					200 VA	0 VA	1	20 A	SPARE	78
79	REC MCP CKT	20 A	1	200 VA	6400 VA					3	100 A	LC-ATO-SW	80
81	REC MCP CKT	20 A	1			200 VA	6400 VA						82
83	REC MCP CKT	20 A	1					200 VA	2500 VA				84
	POWER/PHASE			16925 VA		17723 VA		13003 VA					
	AMPS/PHASE			146 A		153 A		108 A					
LOAD CLASS				CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD				TOTALS	
Spares				42300 VA		100.00%		42300 VA				CONNECTED POWER 47650 VA	
Receptacle				360 VA		100.00%		360 VA				DEMAND POWER 47650 VA	
Equipment				3370 VA		100.00%		3370 VA				CONNECTED AMPS 132 A	
REC-GEN				1620 VA		100.00%		1620 VA				DEMAND AMPS 132 A	
NOTES:													

LEGEND

	S or W	SOIL OR WASTE PIPING
	V	VENT PIPING
	CW	COLD WATER SUPPLY PIPING
	HW	HOT WATER SUPPLY PIPING
	HW R	HOT WATER RETURN PIPING
	TW	TEMPERED WATER PIPING (85°F)
	G	GAS PIPING
	CV	GATE VALVE
	CV	CHECK VALVE
	BV	BALL VALVE
	HB	HOSE BIBB
	WH	WALL HYDRANT
	CO	CLEANOUT TO FLOOR
	FD	FLOOR DRAIN
	FD	FLOOR DRAIN WITH TRAP PRIMER CONNECTION
	COTG	CLEANOUT TO GRADE
	UNION	
	VTR	VENT THRU ROOF
		SHEET NOTE
		POINT OF CONNECTION TO EXISTING
	SS	SOLENOID VALVE
	WC	SERVICE SINK
	TP	WATER CLOSET
	TP	TRAP PRIMER
	EW H	ELECTRIC WATER HEATER
	W H A	WATER HAMMER ARRESTOR TYPE A
	W H B	WATER HAMMER ARRESTOR TYPE B
	W H C	WATER HAMMER ARRESTOR TYPE C
	L	LAVATORY
	U R	URINAL
	K W	KILOWATT
	T C V	THERMOSTATIC CONTROL VALVE
	(E)	EXISTING
	(M)	INDICATES MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.
	(C)	INDICATES CIVIL EQUIPMENT, REFER TO CIVIL DRAWINGS.

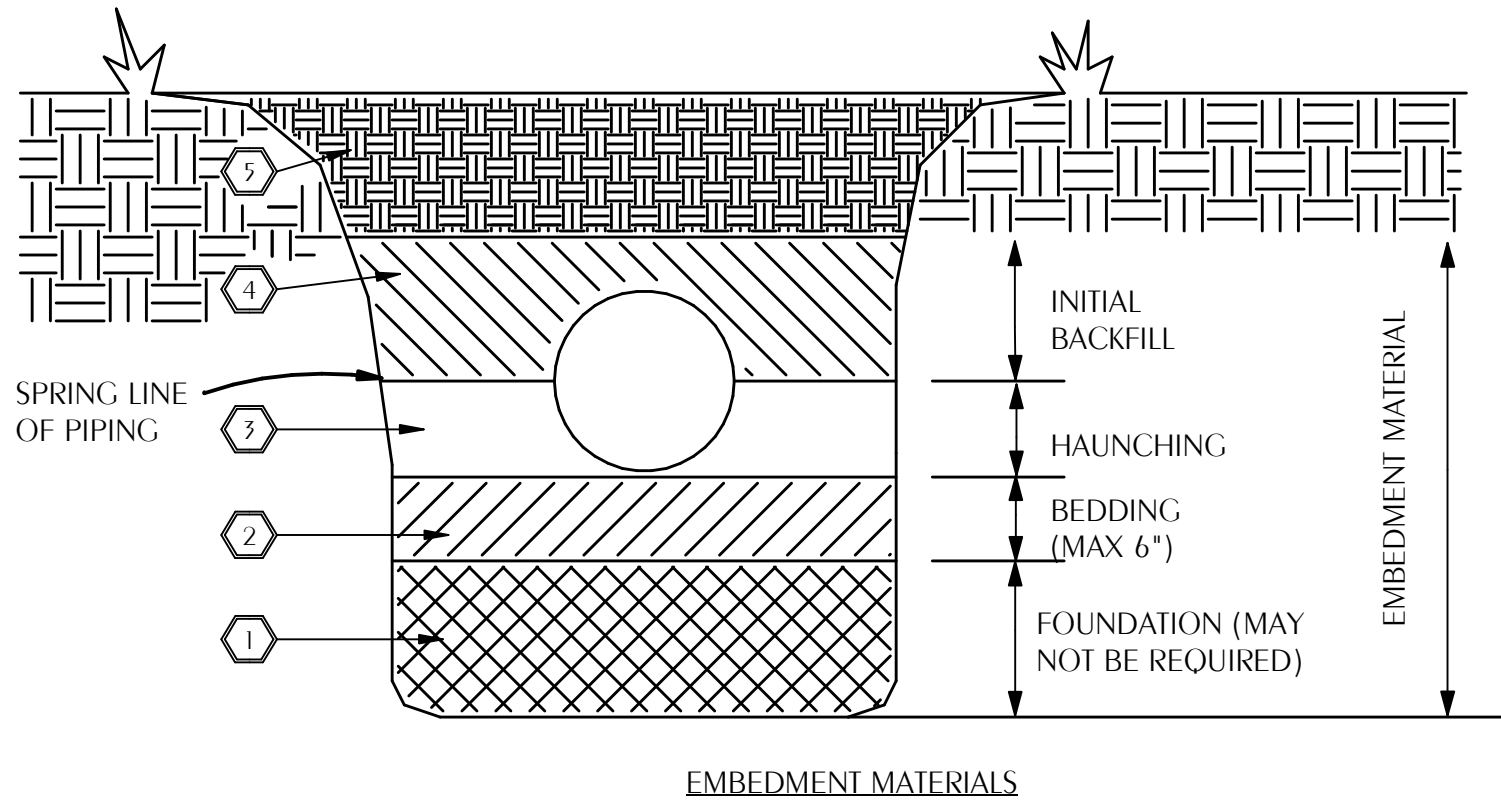
PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	PIPE SIZE-INCHES				REMARKS
		CW	HW	TW	W	
TD-1	TRENCH DRAIN	-	-	-	4	12" WIDE, DUCTILE IRON SLOTTED GRATE, HIGH DENSITY POLYETHYLENE, CARBON STEEL FRAME, TRAP GUARD SEAL
OI-1	OIL INTERCEPTOR	-	-	-	4	EXISTING TO BE RELOCATED BY OTHERS. REFER TO CIVIL PLANS PROVIDED UNDER SEPARATE CONTRACT
WH	RECESSED WALL HYDRANT	3/4	-	-	-	FLUSH MOUNTING WALL BOX, BRASS, CHROME FINISH, ANTI-SIPHON VACUUM BREAKER, WHEEL HANDLE, INTEGRAL STOPS
RD-1	ROOF DRAIN	-	-	-	4	16" DIAMETER, DURA-COATED CAST IRON BODY WITH LOW SILHOUETTE CAST IRON DOME.
OD-1	OVERFLOW ROOF DRAIN	-	-	-	4	16" DIAMETER, DURA-COATED CAST IRON BODY WITH LOW SILHOUETTE CAST IRON DOME, 2" HIGH OVERFLOW DAM

1. WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
2. SEE ELECTRICAL DWCS FOR FINAL POWER REQUIREMENTS.
3. PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.

GENERAL NOTES

1. COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS AND EXISTING CONDITIONS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
2. PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH EXISTING SITE UTILITIES. REPORT ANY CONFLICT WITH ARCHITECT.
3. FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING. COORDINATE WITH EXISTING CONDITIONS.
4. ALL PIPING PASSING THROUGH ANY WALL SHALL HAVE A SLEEVE PER SPECIFICATIONS.
5. ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
6. ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
7. COORDINATE EXACT LOCATION OF ALL EXTERIOR WALL HYDRANTS WITH ARCHITECTURAL DRAWINGS.
8. UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES GREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
9. PRIOR TO SUBSTANTIAL COMPLETION OF NEW AND ALTERED WORK AREAS, CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
10. ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
11. ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
12. CONTRACTOR SHALL DEVELOP AND SUBMIT COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
13. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE 7TH EDITION (2020) PLUMBING.

1. A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS. BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS, CLASS II OR III MATERIAL SHALL BE HAND PLACED IN 4'-6", LIGHTLY COMPACTED UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE USE OF CLASS I MATERIAL.
2. HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
3. INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR III. IT SHALL BE PLACED WITHIN 24-30" ABOVE THE TOP OF THE PIPE AND TAMPED BY A PORTABLE VIBRATOR. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF ROADWAY.
4. FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS. A MINIMUM OF 30" OF COVER OVER THE TOP OF THE PIPE SHALL BE PROVIDED BEFORE THE TRENCH IS WHEEL-LOADED.
5. NOTE: ALL EMBEDMENT MATERIALS SHALL BE NO LESS THAN 95% OF MAXIMUM DENSITY. LABORATORY TESTING OF THE SOIL WILL BE REQUIRED. THIS PROCEDURE SHALL BE REQUIRED ON ALL INSTALLATIONS. ALL TRENCHING, EXCAVATION, AND BACKFILLING SHALL BE IN ACCORDANCE WITH 2020 FLORIDA PLUMBING CODE.



CLASS I: ANGULAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.

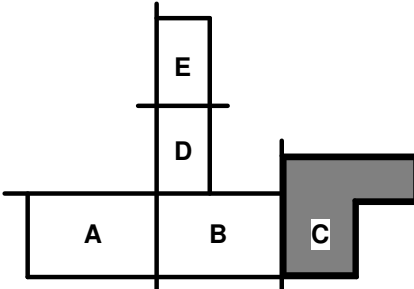
CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES CW, CP, SW, AND SP ARE INCLUDED IN THIS CLASS.

CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.

CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

1 EXCAVATION AND BACKFILL DETAIL
P.O. 0 SCALE NONE



REVISION	NO.	DESCRIPTION	DATE

PERMIT DOCUMENTS

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RICK MELLIN ZHA AIRPORT AUTHORITY



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

PANAMA CITY AIRPORT NWFBI

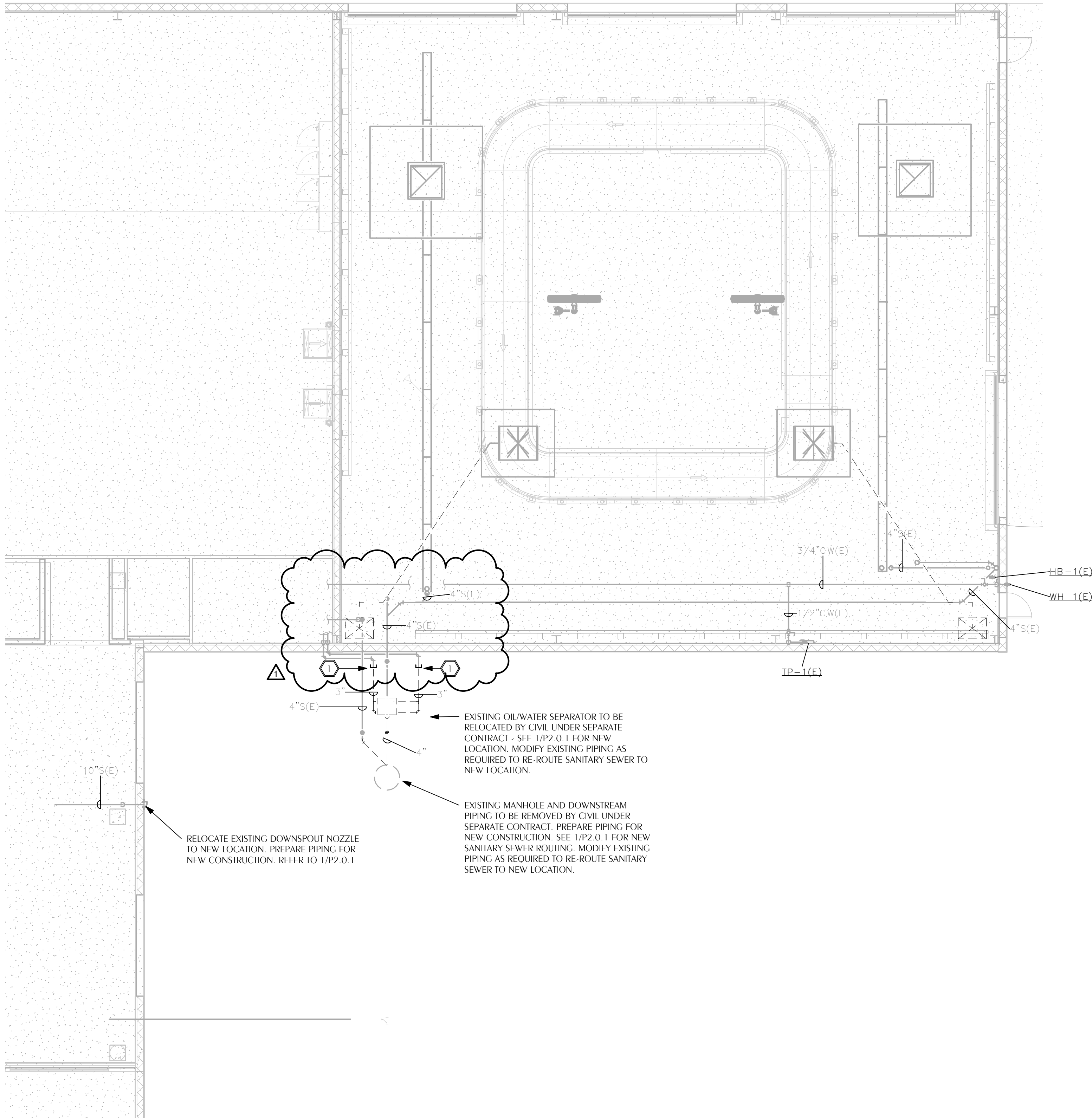
6300 W Bay Pkwy,
Panama City, FL 32409

PROJECT NUMBER
NO. 210211
ISSUE DATE
05.10.2022

DRAWING TITLE
PLUMBING LEGEND, SCHEDULE, DETAILS, AND NOTES

SHEET NUMBER

P0.0.1



   **PARTIAL PLUMBING DEMOLITION PLAN - LEVEL 1**
TRUE PROJECT P1.0.1 SCALE: 1/8" = 1'-0"

SHEET NOTES

⬡ CAP EXISTING VENT PIPING BELOW GRADE AND BELOW NEW ADDITION FLOOR SLAB (BELOW 59.6').

GENERAL NOTES

1. PRIOR TO BEGINNING DEMOLITION CONTRACTOR SHALL WITH COORDINATE WITH ARCHITECT ANY PHASING AND INSTRUCTIONS FOR TEMPORARY LOSS OF SERVICES TO EXISTING BUILDING, INCLUDING (BUT NOT LIMITED TO) EXISTING (BREAK ROOMS), EXISTING TRENCH DRAINS, AND EXISTING TOILET FACILITIES.



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1	BID DOCUMENT REVISION	05/10/22	

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RICK MELLIN ZHA AIRPORT AUTHORITY



PROJECT TITLE
PANAMA CITY AIRPORT NWFBA:

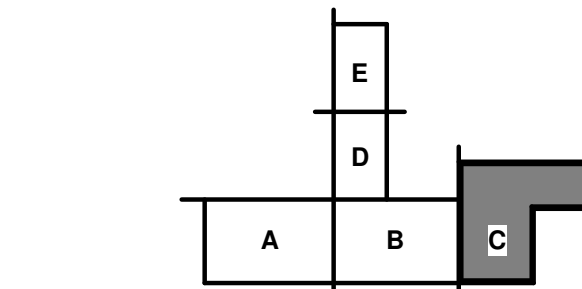
PANAMA CITY AIRPORT NWFBA

**6300 W Bay Pkwy,
Panama City, FL 32409**

PROJECT NUMBER
NO. 210211
ISSUE DATE
05.10.2022

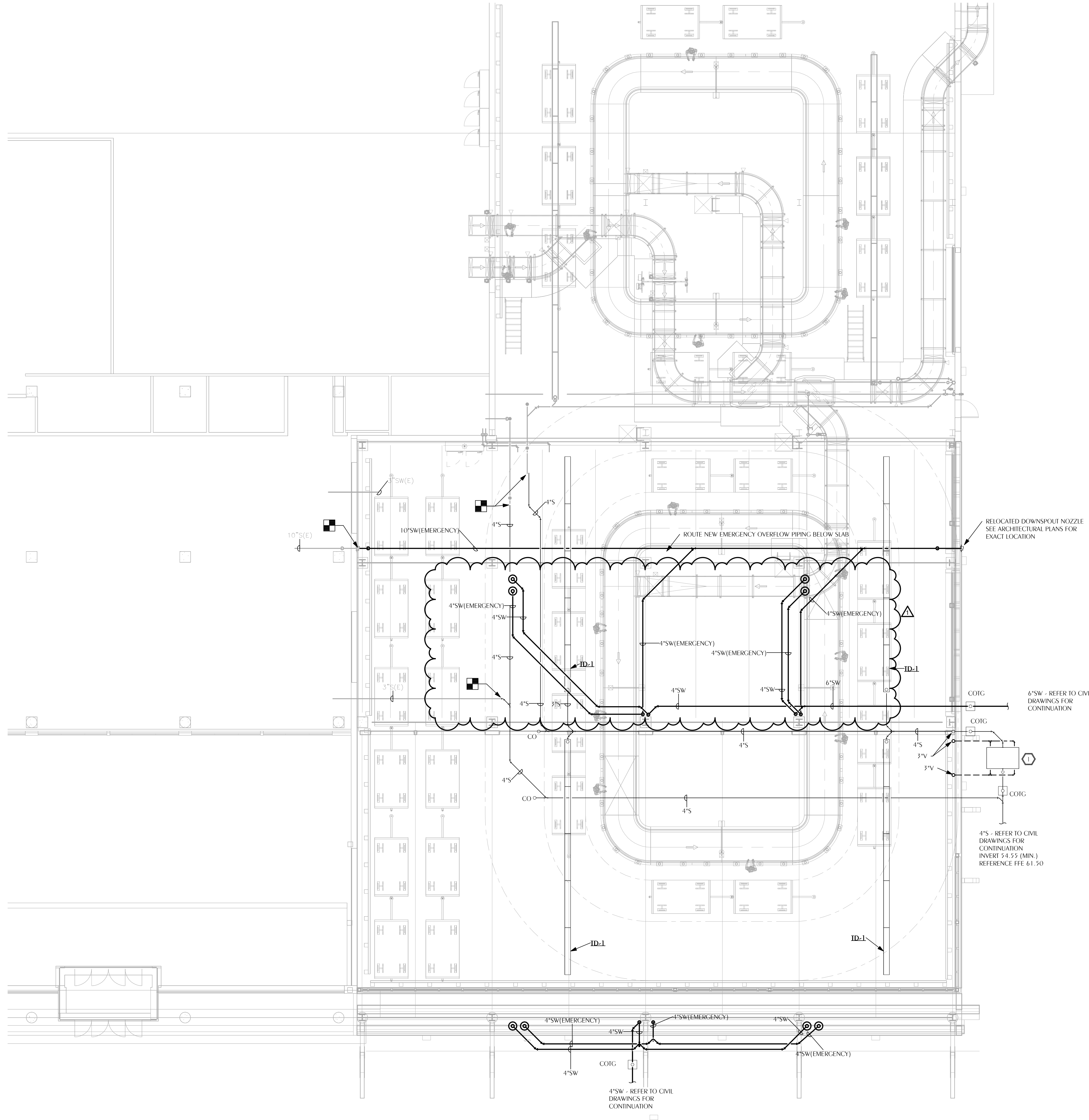
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PARTIAL PLUMBING DEMOLITION PLAN - LEVEL 1

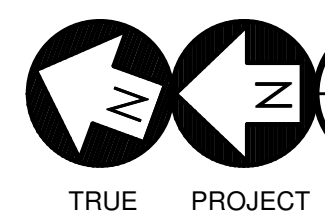
SHEET NUMBER
P1.0.1



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5/9/2022 5:39:54 AM BIM 360://210215 NWBIA - Baggage Makeup Expansion - Task #1 (2021/2021-0715_ECP Baggage Makeup Expansion Plumbing.rvt



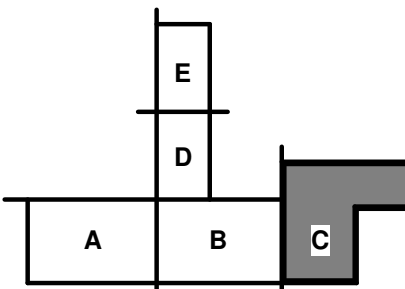
 **1** **PLUMBING NEW WORK PLAN**
P2.0.1 SCALE: 1/8" = 1'-0"
TRUE PROJECT

SHEET NOTES

1. RELOCATED OIL WATER INTERCEPTOR. PROVIDE HEAVY DUTY TRAFFIC RATED EXTENSION AS REQUIRED TO BRING TOP FLUSH WITH FINISH SURFACE. INSTALL PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. COORDINATE WITH CIVIL.

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING INVERT ELEVATIONS, SIZE, AND DIRECTION OF PIPE FOR EXISTING SYSTEMS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT OF ANY CONFLICT.



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AUTHORITY



PROJECT TITLE
PANAMA CITY AIRPORT NWFBIA:

PANAMA CITY
AIRPORT NWFB

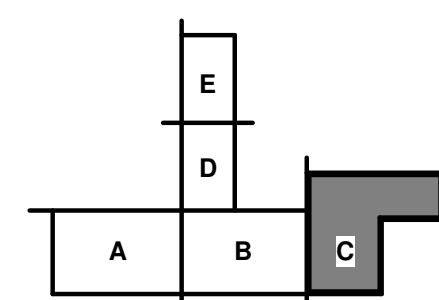
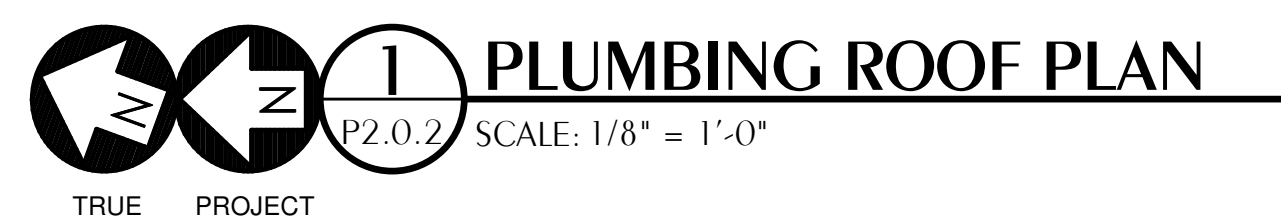
6300 W Bay Pkwy,
Panama City, FL 32409

PROJECT NUMBER
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ISSUE DATE
05.10.2022

DRAWING TITLE
PLUMBING
NEW WORK
PLAN

SHEET NUMBER
P2.0.1



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PROJECT TITLE

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PROJECT NUMBER

0.210211

DUE DATE

5.10.2022

AWING TITLE

PLUMBING ROOF PLAN

SHEET NUMBER

P2.0.2

5/9/2022 2:37:59 PM BIM 360://210115 NFBIA - Baggage Makeup Expansion - Task #1 (2021/2021-0718_ECP Baggage Makeup Expansion Fire Protection.rvt

LEGEND

	FW	FIRE WATER SUPPLY
	PW	POTABLE WATER SUPPLY
		CEILING MOUNTED PENDANT HEAD
		UPRIGHT HEAD
		SIDEWALL HEAD
		FREEZE PROOF SIDEWALL HEAD (EXTENDED COVERAGE)

WATER BASED SPRINKLER SYSTEM REQUIREMENTS

- THE POINT OF SERVICE, BACKFLOW PREVENTER, & FDC ARE EXISTING TO REMAIN.
- THE BUILDING SHALL BE FULLY SPRINKLED IN ACCORDANCE WITH NFPA 13-2016 AND 2020 FLORIDA FIRE PREVENTION CODE (7TH EDITION).
- REFER TO PLAN SHEETS AND HAZARD CLASSIFICATION LEGEND FOR HAZARD CLASSIFICATION OF EACH ROOM OR AREA.
- THE NEW SYSTEMS SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13-2016.

LIGHT HAZARD: 0.10 GPM/SF, MAX 225 SF PER HEAD, 15 FT MAX NOMINAL SPACING; ORDINARY TEMPERATURE RATING HEADS.
ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, MAX 120 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.
ORDINARY HAZARD GROUP 2: 0.20 GPM/SF, MAX 120 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.

FOR ADDITIONAL REQUIREMENTS, REFER TO DESIGN CRITERIA NOTES ON THIS SHEET.
- THE POINT OF SERVICE CONNECTION IS EXISTING TO REMAIN.
- REFER TO DESIGN CRITERIA NOTES ON THIS SHEET FOR FLOW TEST DATA.
- RISER IS EXISTING TO REMAIN.
- MICROBIAL INDUCED CORROSION IS NOT ANTICIPATED IN THIS PROJECT.
- BACKFLOW PREVENTER IS EXISTING TO REMAIN. MAXIMUM DESIGN PRESSURE DROP SHALL NOT EXCEED 3.5 PSI.
- REFER TO DIVISION 21 SPECIFICATIONS FOR QUALITY AND PERFORMANCE SPECIFICATIONS OF ALL FIRE PROTECTION COMPONENTS.
- NO FIRE PUMP IS REQUIRED.
- NO ON SITE FIREWATER STORAGE TANK IS REQUIRED.

GENERAL NOTES

- IT IS NOTED THAT SOME AREAS WILL BE REQUIRED TO BE PROTECTED AS ORDINARY HAZARD (MECHANICAL ROOMS, ETC.) THESE AREAS HAVE BEEN IDENTIFIED BY A DIFFERENT HATCHING PATTERN THEN THE LIGHT HAZARD AREAS ON THE PLANS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN CURRENT WATER FLOW DATA AND DESIGN SPRINKLER SYSTEMS ACCORDINGLY.
- MAINTAIN THE INTEGRITY OF ALL FIRE RATED ASSEMBLIES AND ACOUSTICAL ASSEMBLIES.
- CONTRACTOR SHALL COORDINATE SYSTEM DESIGN WITH ALL OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INSPECTOR'S TEST LOCATIONS IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
- ALL PIPING SHALL OBSERVE PROPER PITCH. PROVIDE DRAINS FOR LOW POINTS.
- THE SPRINKLER SYSTEM SHALL BE ARRANGED FOR FLUSHING. READILY REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSSMAINS.
- PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13 FOR SUPPORTING SPRINKLER PIPING. NO OTHER PIPING OR DEVICE SHALL BE ATTACHED TO THE SPRINKLER HANGER SYSTEM UNLESS THE HANGER HAS BEEN DESIGNED TO CARRY THE ADDITIONAL LOAD.
- THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
- ALL UNDERGROUND PIPING SHALL BE DUCTILE IRON WITH FITTINGS AND JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND.
- ALL ABOVE GROUND WET SPRINKLER PIPE THAT IS THREADED SHALL BE SCHEDULE 40 BLACK WITH BLACK CAST/MALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND. CPVC PIPING IS NOT ACCEPTABLE.
- ALL ABOVE GROUND WET SYSTEM SPRINKLER PIPE THAT IS WELDED OR ROLL-GROOVED SHALL BE SCHEDULE 10 BLACK WITH BLACK CAST/MALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. CPVC PIPING IS NOT ACCEPTABLE.
- TRENCHING SHALL BE PERFORMED BY HAND WHERE THERE IS THE POSSIBILITY OF ENCOUNTERING OBSTACLES OR EXISTING UTILITY LINES. WHERE CLEAR AND UNOBSTRUCTED AREAS ARE TO BE EXCAVATED, APPROPRIATE MACHINE EXCAVATION METHODS MAY BE EMPLOYED. PROVIDE PROPER BACKFILL AS REQUIRED PER SPECIFICATIONS.
- INSTALL SPRINKLER HEADS IN CENTER OF TILE IN ACCOUSTICAL CEILINGS. HEAD LOCATIONS SHALL BE GUIDED BY ARCHITECTURAL ELEMENTS FOR OTHER CEILING TYPES.
- DO NOT LOCATE INSPECTOR'S TEST LOCATIONS OR DRAINS IN FINISHED SPACES. INDICATE ALL LOCATIONS OF EXPOSED PIPING ON SHOP DRAWINGS.
- SITE PIPING BEYOND 5'-0" OUTSIDE OF BUILDING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL SITE UTILITY PLANS FOR BACK FLOW PREVENTER WITH FIRE DEPARTMENT CONNECTION AND HYDRANT LOCATIONS.
- FLEXIBLE CONNECTIONS TO SPRINKLER HEADS ARE NOT ALLOWED.

DESIGN CRITERIA

EACH BUILDING SYSTEM SHALL BE HYDRAULICALLY DESIGNED WITH NO INSIDE HOSE STREAM ALLOWANCE AND FIRE PROTECTION SPRINKLER DENSITY VALUES AS FOLLOWS:

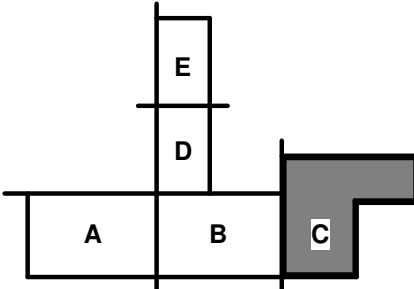
LIGHT HAZARD = 0.10 GPM/SF WITH A MAXIMUM OF 225 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP I = 0.15 GPM/SF WITH A MAXIMUM OF 120 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP II = 0.20 GPM/SF WITH A MAXIMUM OF 120 SF COVERAGE PER SPRINKLER

THE SPRINKLER DESIGN SHALL BE BASED ON THE MOST HYDRAULICALLY DEMANDING: 1500 SF. THE CONTRACTOR IS ALLOWED TO REDUCE THE DESIGN AREA BASED ON THE USE OF QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT IN ACCORDANCE WITH NFPA 13.

THE DESIGN OF THE SPRINKLER SYSTEM SHALL BE BASED UPON WATER SUPPLY INFORMATION OBTAINED BY THE SPRINKLER CONTRACTOR AND WITNESSED BY THE AUTHORITY HAVING JURISDICTION. WATER SUPPLY SHALL BE PRESUMED AVAILABLE AT THE POINT OF CONNECTION OF THE FIRE MAIN TO THE WATER SUPPLY SYSTEM.





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DAG
ARCHITECTS



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CLIENT
**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

**6300 WEST BAY PKWY,
PANAMA CITY, FL 32409**

PROJECT NUMBER

NO. 210211

ISSUE DATE

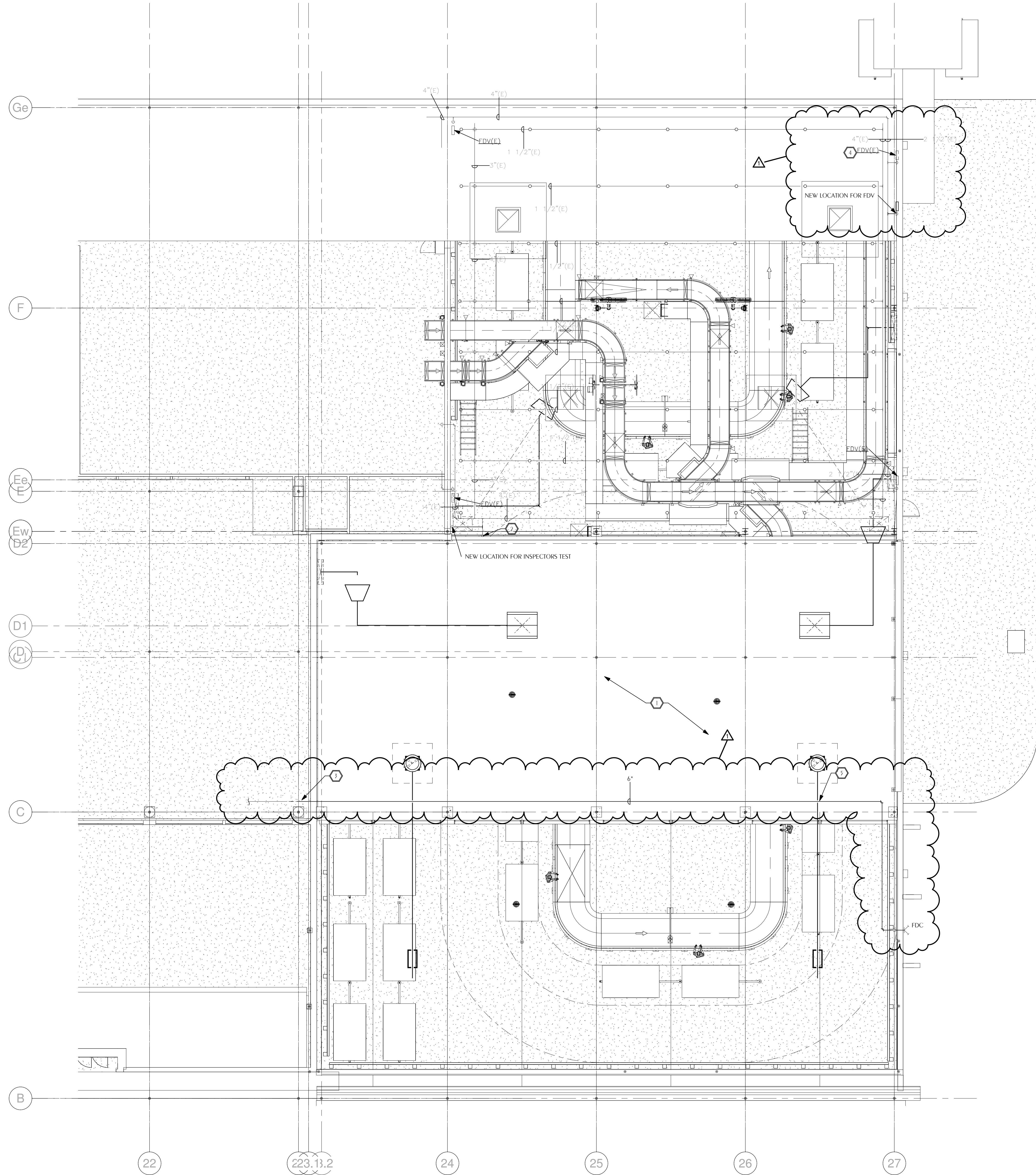
05.10.2022

DRAWING TITLE

**FIRE
PROTECTION
LEGEND AND
NOTES**

SHEET NUMBER

FP0.0.1



- SHEET NOTES
- 1

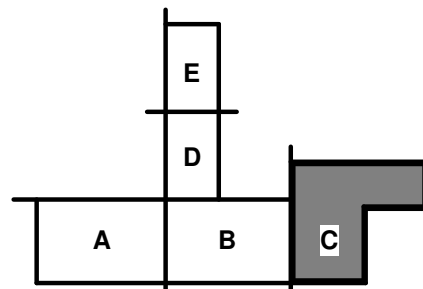
NEW ADDITION SHALL BE FULLY SPRINKLERED. CONNECT TO EXISTING AS NEEDED. ENTIRE ADDITION SHALL BE ORDINARY HAZARD GROUP 1.
- 2

REMOVE EXISTING DRY PIPE INSPECTORS TEST ASSEMBLY. RELOCATE TO ADJACENT WALL.
- 3

REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND RELOCATE TO EXTERIOR WALL. ABANDON VERTICAL PIPING IN THE WALL. CONTINUE HORIZONTAL PIPE ROUTING TO NEW LOCATION.
- 4

REMOVE AND RELOCATE EXISTING FIRE DEPARTMENT VALVE. REFER TO DRAWING FOR NEW LOCATION. PIPE SHALL BE A MINIMUM OF 24" FROM THE OVERHEAD CONVEYOR OPENING. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 5

FIRE SPRINKLER MAIN SHALL BE INSULATED AND HEAT-TRACED IN OPEN AREAS AS SHOWN. PROVIDE CHROMALOX HEAT TRACING SRL-7 (SELF-REGULATING LOW TEMPERATURE), 3 WATTS PER LINEAL FOOT (LENGTH IS 140'-0") WITH 2 INCHES OF FIBERGLASS PIPE INSULATION. PROVIDE 0.016" THICK ALUMINUM JACKET WITH 7 MIL THICK POLYURETHANE MOISTURE BARRIER LAMINATED TO INTERIOR.



1

FIRE PROTECTION NEW WORK PLAN

TRUE

PROJECT

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

W

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ENGINEERING

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Florida CA Number: 27825

Daniel W. Watford, P.E.

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ARCHITECTS

ZHA

NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022

PERMIT DOCUMENTS

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CLIENT
NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 WEST BAY PKWY,
PANAMA CITY, FL 32409

PROJECT NUMBER
NO. 210211
ISSUE DATE
05.10.2022

DRAWING TITLE
FIRE PROTECTION NEW WORK PLAN

SHEET NUMBER
FP1.0.1

GENERAL NOTES

THE FOLLOWING APPLIES IN ADDITION TO THE PROJECT SPECIFICATIONS AND BHS DRAWINGS:

- A. PRIOR TO ENGINEERING AND FABRICATION OF BHS THE CONTRACTOR SHALL FIELD VERIFY ALL BHS RELATED DIMENSIONS AND EXISTING CONDITIONS ON THE JOB SITE. THE CONTRACTOR IS TO BE RESPONSIBLE FOR DIMENSIONAL ACCURACY. CONFLICTS SHALL BE BROUGHT TO THE OWNER'S AND/OR OWNER'S REPRESENTATIVE ATTENTION IMMEDIATELY UPON DISCOVERY. ALL BAGGAGE SYSTEMS WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR FOR THE BUILDING CONTRACT. BHS (DEMO AND NEW INSTALLATION) SHALL BE COORDINATE WITH OWNER. OPERATIONAL IMPACTS SHALL BE KEPT TO A MINIMUM. THE PORTERING REQUIREMENTS ARE LISTED IN THE SPECS.
- B. DRAWING DIMENSIONS SHALL NOT BE SCALED, DIMENSIONS SHOWN SHALL BE USED.
- C. ACTUAL CONVEYOR SPEEDS SHALL BE DETERMINED BY THE BHS CONTRACTOR IN ACCORDANCE WITH GOOD DESIGN PRACTICE AND SYSTEM THROUGHPUT REQUIREMENTS.
- D. BHS CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO MAINTAIN BAGGAGE SYSTEM RIGHT-OF-WAY.
- E. SEE ARCHITECTURAL AND OTHER DISCIPLINE DRAWINGS FOR THE MOST CURRENT BACKGROUND AND COORDINATION INFORMATION.
- F. BHS CONTRACTOR AND ALL OTHER TRADES TO MAINTAIN 3'-0" RIGHT OF WAY FROM TOP OF BELT TO NEAREST OBSTRUCTION. HANGING OF ANY EQUIPMENT COMPONENTS SUCH AS MECHANICAL, ELECTRICAL, PLUMBING OR HVAC FROM THE CONVEYOR, CATWALK OR ASSOCIATED SUPPORTS IS PROHIBITED.
- G. CONVEYORS IN PUBLIC AREAS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
- H. CONVEYOR SECTIONS SHALL BE FIELD CUT TO EXACT LENGTHS WHERE REQUIRED. FLARED SIDE GUARDS ARE TO BE LOCATED AFTER FIRE/SECUTITY DOORS. STAINLESS STEEL SHROUDING IS TO BE UTILIZED ON CONVEYORS IN THE PUBLIC AREA.
- I. REFER TO TECHNICAL SPECIFICATION SECTION FOR THE BAGGAGE HANDLING SYSTEMS REQUIREMENTS. DEVIATIONS FROM THE LOCATIONS SHOWN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- J. REFER TO BASE BUILDING ARCHITECTURAL AND OTHER DISCIPLINE DRAWINGS FOR COORDINATION INFORMATION.
- K. ALL MODIFICATIONS MADE TO EXISTING CONVEYOR FOR FUTURE INSTALLATION IS REQUIRED BY THE BHS CONTRACTOR.

ENGINEER NOTES

CONTRACTOR DOCUMENT SPECIFICATIONS

THE CONTRACTOR IS HEREBY NOTIFIED THAT ESSENTIAL AND PERTINENT INFORMATION REGARDING THE CONSTRUCTION AND COMPLETION OF WORK FOR THIS PROJECT IS CONTAINED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS. REGARDLESS OF DISCIPLINE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO READ AND REVIEW THIS INFORMATION TO HIS OWN SATISFACTION PRIOR TO PERFORMING ANY WORK. ANY DEFICIENT, INCOMPLETE OR INCORRECT WORK SHALL BE REDONE TO MEET SAID REQUIREMENTS AT THE CONTRACTOR'S SOLE EXPENSE.

CONTROL SYSTEM NOTES

- A. PROVIDE AND INSTALL START-UP BEACONS, JAM/E-STOP BEACONS AND HORNS AS REQUIRED.
- B. THE CONTROL SCHEDULE IN THESE DRAWINGS MAY NOT INDICATE ALL OF THE REQUIRED CONTROL STATIONS OR EQUIPMENT. THEY ARE INTENDED FOR REFERENCE ONLY AND INDICATE EITHER THE PREFERRED OR REQUIRED LOCATIONS OF SOME OF THE CONTROL STATIONS REFERENCES IN THE CONTRACT DOCUMENTS. THE CONTROL SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF THE CONTROL SYSTEMS AND REFER TO THE DRAWINGS FOR THE REQUESTED CONTROL STATION LOCATIONS AND EQUIPMENT UNLESS THEY ARE IN CONFLICT WITH OTHER REQUIREMENTS. DEVIATIONS FROM THE LOCATIONS SHOWN SHALL BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE.
- C. THE BHS SHALL INTERFACE WITH THE FIRE ALARM SYSTEM AND THE SECURITY ACCESS CONTROL SYSTEM.
- D. PROVIDE CONTROLS FOR ALL NEW CONVEYOR EQUIPMENT OF THIS PROJECT AS WELL AS RE-WIRING/RE-CONTROLLING ALL CONVEYORS AFFECTED.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MAINT	MAINTENANCE	SACS	SECURITY ACCESS CONTROL PANEL
ARCH	PROJECT ARCHITECT	MAX	MAXIMUM	SCH	SCHEDULE
BC	BAG CLEARANCE	MECH	MECHANICAL	SG	SIDE GUARD
BCS	BAGGAGE CONTROL STANCHION	MFG	MANUFACTURER	SS	STAINLESS STEEL
BG	BETWEEN SIDEGUARDS	MIN	MINIMUM	SSG	SINGLE SIDE GUARD
BHS	BAGGAGE HANDLING SYSTEM	MCP	MOTOR CONTROL PANEL	TC	TICKET COUNTER
BOS	BOTTOM OF STEEL	MU	MAKEUP UNIT	TOB	TOP OF BELT
CL	CENTER LINE	NIC	NOT IN CONTRACT	TOC	TOP OF CONCRETE
COL	COLUMN	NS	NEAR SIDE	TYP	TYPICAL
CONV	CONVEYOR	NSG	NO SIDE GUARD	VIF	VERIFY IN FIELD
CU	CLAIM UNIT	NTS	NOT TO SCALE	VFD	VARIABLE FREQUENCY DRIVE
DIA	DIAMETER	PT	POWER TURN		
DSG	DOUBLE SIDEGUARD	REF	REFERENCE		
DWG	DRAWING	REQD	REQUIRED		
ELEC	ELECTRICAL	REV	REVISION		
EQUIP	EQUIPMENT				
FA	FAR SIDE				
FD	FIRE DOOR				
FF	FINISH FLOOR				
FFE	FINISH FLOOR ELEVATION				
FT	FEET				
HP	HORSE POWER				

SHEET LIST

Sheet Number	Sheet Name	35% Schematic	65% Schematic	95% Schematic	100%
BH0.IS.01	ABBREVIATIONS GENERAL NOTES AND DRAWING INDEX	X	X	X	X
BH1.0.00	PLAN VIEW - EXISTING / DEMO MU ROOM		X	X	X
BH1.1.00	PLAN VIEW - NEW SYSTEM OVERALL LAYOUT	X	X	X	X
BH1.1.01	3D VIEW - NEW SYSTEM OVERALL LAYOUT		X	X	X
BH1.1.02	PLAN VIEW - CL2 CL3 AND MF1 DETAIL LAYOUT	X	X	X	X
BH1.1.03	PLAN VIEW - MF2 AND MU2 DETAIL LAYOUT	X	X	X	X
BH2.1.01	BHS PLAN PHASE 1			X	X
BH2.1.02	BHS PLAN PHASE 2a1			X	X
BH2.1.03	BHS PLAN PHASE 2a2			X	X
BH2.1.04	BHS PLAN PHASE 2a3			X	X
BH2.1.05	BHS PLAN PHASE 2b			X	X
BH2.1.07	BHS PLAN PHASE 3			X	X
BH4.1.01	ELEVATION VIEWS- NEW CONVEYOR		X	X	X
BH4.1.02	ELEVATION VIEWS- NEW CONVEYOR		X	X	X
BH4.1.03	ELEVATION VIEWS- NEW CONVEYOR		X	X	X
BH5.1.00	ELECTRICAL DEVICE STANDARDS		X	X	X
BH5.1.01	ELECTRICAL PLAN VIEW - CL2 CL3 AND MF1		X	X	X
BH5.1.02	ELECTRICAL PLAN VIEW - MF2 AND MU2		X	X	X
BH6.1.00	SECTIONS AND DETAILS (MAKEUP AREA OPENINGS)		X	X	X
BH6.1.01	SECTIONS AND DETAILS (ATR)		X	X	X
BH6.1.02	SECTIONS AND DETAILS (MAKEUP TRANSFER)		X	X	X
BH6.1.03	SECTIONS AND DETAILS (TUG CLEARANCE AREAS)		X	X	X
BH6.1.04	SECTIONS AND DETAILS (SUPPORT HANGERS)		X	X	X
BH6.1.05	SECTIONS AND DETAILS (SUPPORT HANGERS)		X	X	X
BH6.1.06	SECTIONS AND DETAILS (SUPPORT HANGERS)		X	X	X
BH6.1.07	SECTIONS AND DETAILS (IMPACT PROTECTION)		X	X	X
BH6.1.08	SECTIONS AND DETAILS (FLOOR SUPPORTS)		X	X	X
BH6.1.09	SECTIONS AND DETAILS (POINT-LOADS)		X	X	X
BH7.1.01	PLAN VIEW- CATWALK LAYOUT			X	X

Motor List

CONV TYPE	UNIT NO.	SUPPORT	MCP	INC/DCL (deg)	H Begin	H End	LENGTH	BG	SG LEFT	SG RIGHT	CONV SPEED	DRIVE TYPE	HP	FLA
TRANSPORT	CL2-07	HANGING	MCP-5		9' - 0"	9' - 0"	23.9'	39"	21"	21"	210	VFD	2	3.1
090PT	CL2-08	HANGING	MCP-5		9' - 0"	9' - 0"	8.8'	39"	21"	21"	210	VFD	2	3.1
QUEUE	CL2-09	HANGING	MCP-5		9' - 0"	9' - 0"	3.5'	39"	21"	21"	210	VFD	2	3.1
QUEUE	CL2-10	HANGING	MCP-5		9' - 0"	9' - 0"	3.5'	39"	21"	21"	210	VFD	2	3.1
TRANSPORT	CL2-11	HANGING	MCP-5		9' - 0"	9' - 0"	9.7'	39"	21"	21"	210	VFD	2	3.1
090PT	CL2-12	HANGING	MCP-5		9' - 0"	9' - 0"	8.8'	39"	21"	21"	210	VFD	2	3.1
TRANSPORT	CL2-13	HANGING	MCP-5		9' - 0"	9' - 0"	34.3'	39"	21"	21"	210	VFD	3	4.2
ATR	CL2-ATR	HANGING	MCP-5		9' - 0"	9' - 0"	0.3'	0"			210			0
QUEUE	CL3-10	HANGING	MCP-5		9' - 2"	9' - 2"	3.5'	39"	21"	21"	240	VFD	2	3.1
QUEUE	CL3-11	HANGING	MCP-5		9' - 2"	9' - 2"	3.5'	39"	21"	21"	240	VFD	2	3.1
045PT	CL3-12	HANGING	MCP-5		9' - 2"	9' - 2"	4.4'	39"	21"	21"	270	VFD	2	3.1
MERGE	CL3-13	HANGING	MCP-5		9' - 2"	9' - 2"	5.0'	39"	21"	21"	270	VFD	3	4.2
MCP 2 DOOR	MCP5	FLOOR												
TAKE-AWAY	MF1-01	HANGING	MCP-5		9' - 6"	9' - 6"	3.0'	39"	21"	21"	240	VFD	3	4.2
045PT	MF1-02	HANGING	MCP-5		9' - 0"	9' - 0"	4.4'	39"	21"	21"	210	VFD	2	3.1
TRANSPORT	MF1-03	HANGING	MCP-5		9' - 0"	9' - 0"	21.4'	39"	21"	21"	180	VFD	2	3.1
090PT	MF1-04	HANGING	MCP-5		9' - 0"	9' - 0"	8.8'	39"	21"	21"	150	VFD	2	3.1
TRANSPORT	MF1-05	HANGING	MCP-5	-21°	9' - 0"	4' - 5 1/2"	19.8'	39"	21"	21"	120	VFD/BRAKE	2	3.1
HSD	MF1-DIV	HANGING	MCP-5		8' - 0"	8' - 0"	6.0'	39"			0	VFD	2	3.1
TAKE-AWAY	MF2-01	HANGING	MCP-5		9' - 0"	9' - 0"	3.0'	39"	21"	21"	240	VFD	3	4.2
045PT	MF2-02	HANGING	MCP-5		9' - 0"	9' - 0"	4.4'	39"	21"	21"	210	VFD	2	3.1
TRANSPORT	MF2-03	HANGING	MCP-5		9' - 0"	9' - 0"	18.9'	39"	21"	21"	180	VFD	2	3.1
090PT	MF2-04	HANGING	MCP-5		9' - 0"	9' - 0"	8.8'	39"	21"	21"	150	VFD	2	3.1
TRANSPORT	MF2-05	HANGING	MCP-5	-21°	9' - 0"	4' - 5 1/2"	29.0'	39"	21"	21"	120	VFD/BRAKE	2	3.1
HSD	MF2-DIV	HANGING	MCP-5		9' - 0"	9' - 0"	6.0'	39"			0	VFD	2	3.1
INCLINED PLATE	MU2	FLOOR	MCP-5				167.5'				90			
	MU2-01											VFD or SOFT START	5	7.1
	MU2-02											VFD or SOFT START	5	7.1
090PT	NR1-01	HANGING	MCP-5		9' - 0"	9' - 0"	8.8'	39"	21"	21"	180	VFD	2	3.1
TRANSPORT	NR1-02	HANGING	MCP-5		9' - 0"	9' - 0"	43.8'	39"	21"	21"	150	VFD	2	3.1
045PT	NR1-03	HANGING	MCP-5		9' - 0"	9' - 0"	4.4'	39"	21"	21"	210	VFD	2	3.1
QUEUE	NR1-04	HANGING	MCP-5		9' - 0"	9' - 0"	5.9'	39"	21"	21"	210	VFD	2	3.1
045PT	NR1-05	HANGING	MCP-5		9' - 0"	9' - 0"	4.4'	39"	21"	21"	210	VFD	2	3.1
TRANSPORT	NR1-06	HANGING	MCP-5	-21°	9' - 0"	2' - 10"	25.0'	39"	21"	21"	120	VFD/BRAKE	2	3.1
LOAD/UNLOAD	NR1-07	FLOOR	MCP-5		2' - 8"	2' - 8"	12.0'	39"	0"	0"	90	VFD	2	3.1
FIRE/SECURITY DOOR	NR1-SD													



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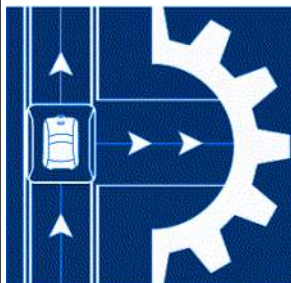
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CLIENT
NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)



PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 W Bay Pkwy,
Panama City, FL 32409

SHEET NUMBER
NO. 210211
ISSUE DATE
05/10/2022

ABBREVIATIONS GENERAL NOTES AND DRAWING INDEX

SHEET NUMBER

BH0.IS.01



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AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 W Bay Pkwy,
Panama City, FL 32409

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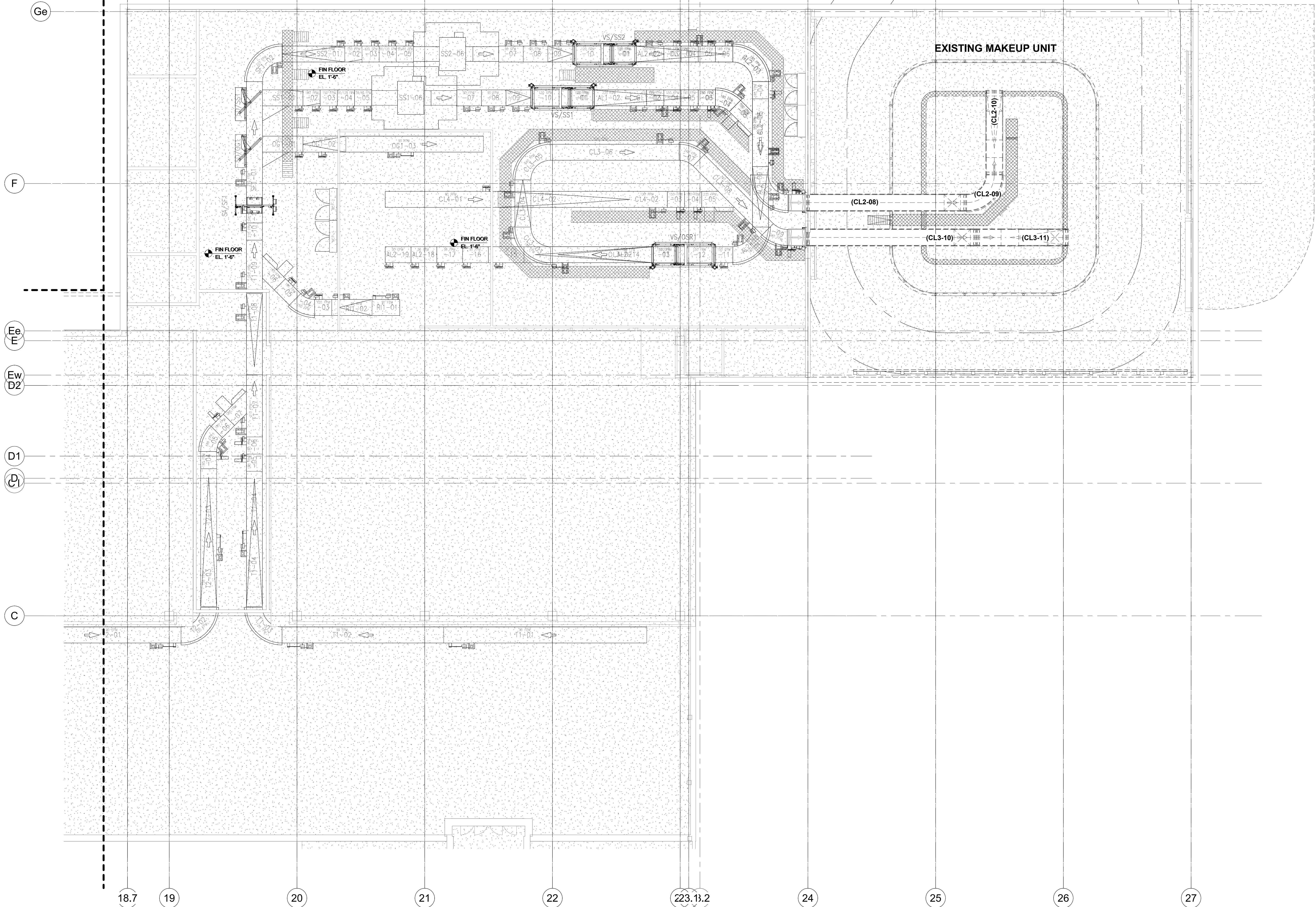
05/10/2022

DRAWING TITLE

**PLAN VIEW -
EXISTING /
DEMO MU
ROOM**

SHEET NUMBER

BH1.0.00



1 PLAN VIEW-EXISTING SYSTEM OVERALL
1/8" = 1'-0"



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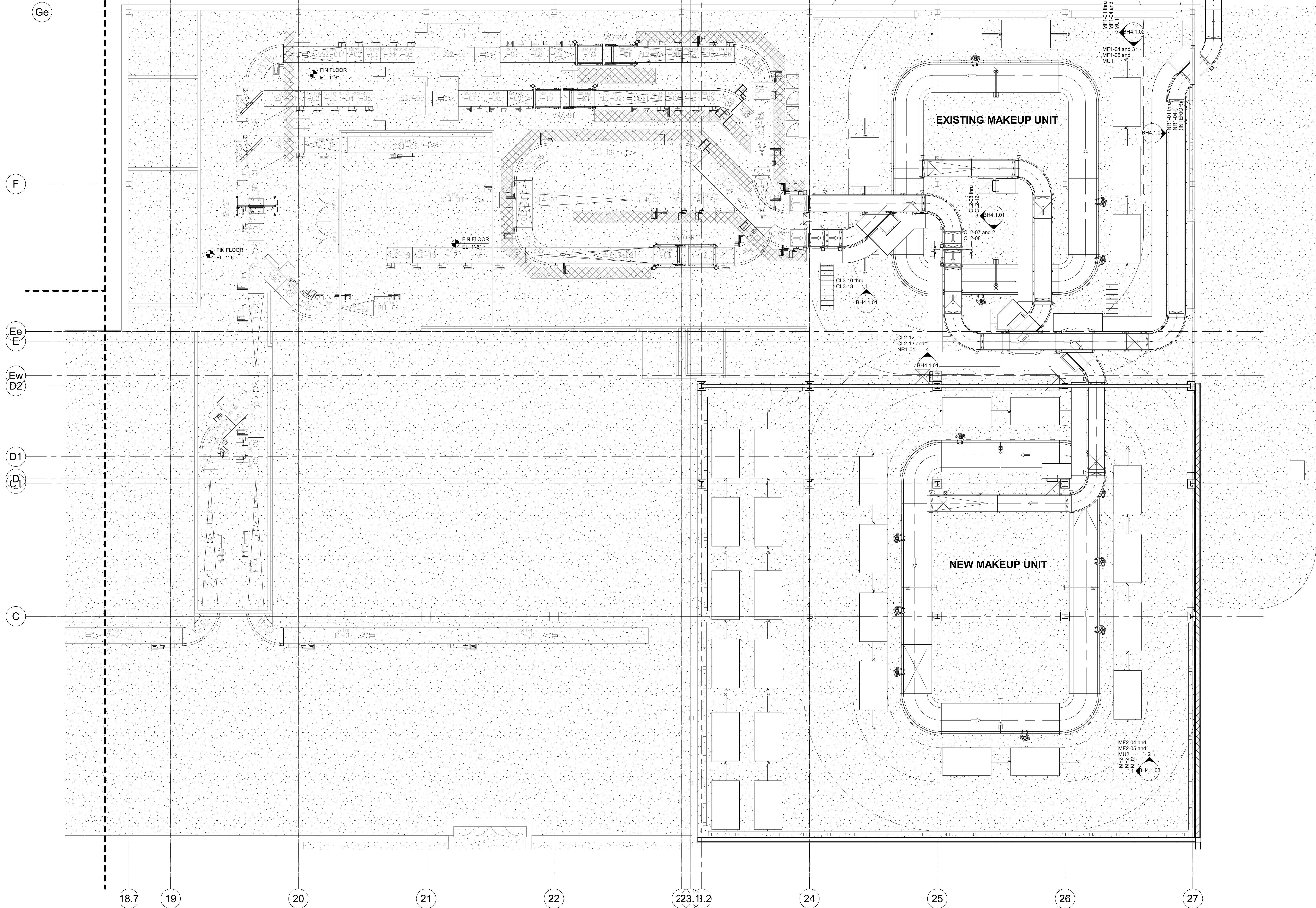
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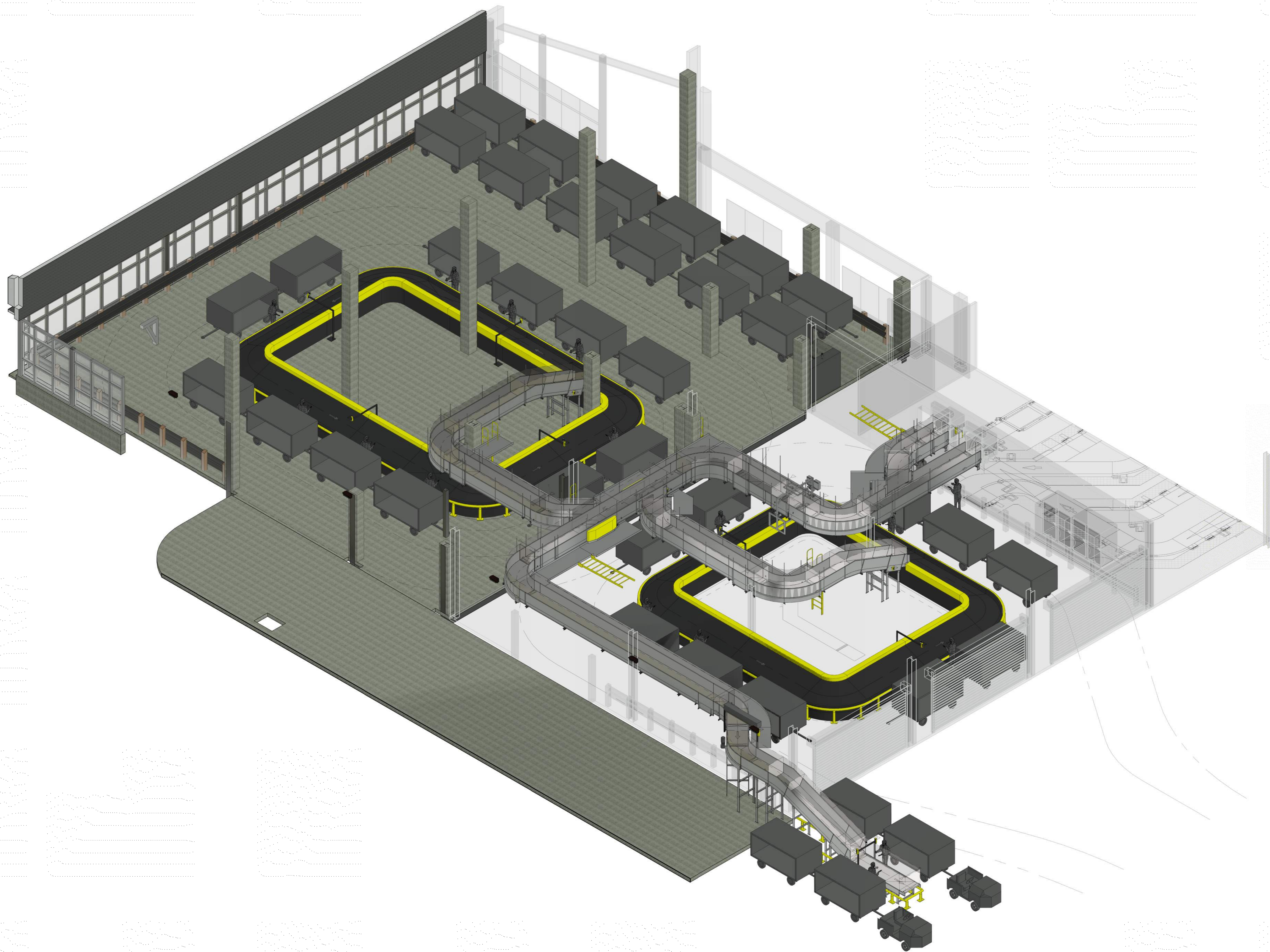
**PLAN VIEW -
NEW SYSTEM
OVERALL
LAYOUT**

SHEET NUMBER

BH1.1.00



1 PLAN VIEW-NEW SYSTEM OVERALL
1/8" = 1'-0"



1 Overall Area - 3D

5/8/2022 8:40:16 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHG_R01.rvt



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 W Bay Pkwy,
Panama City, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

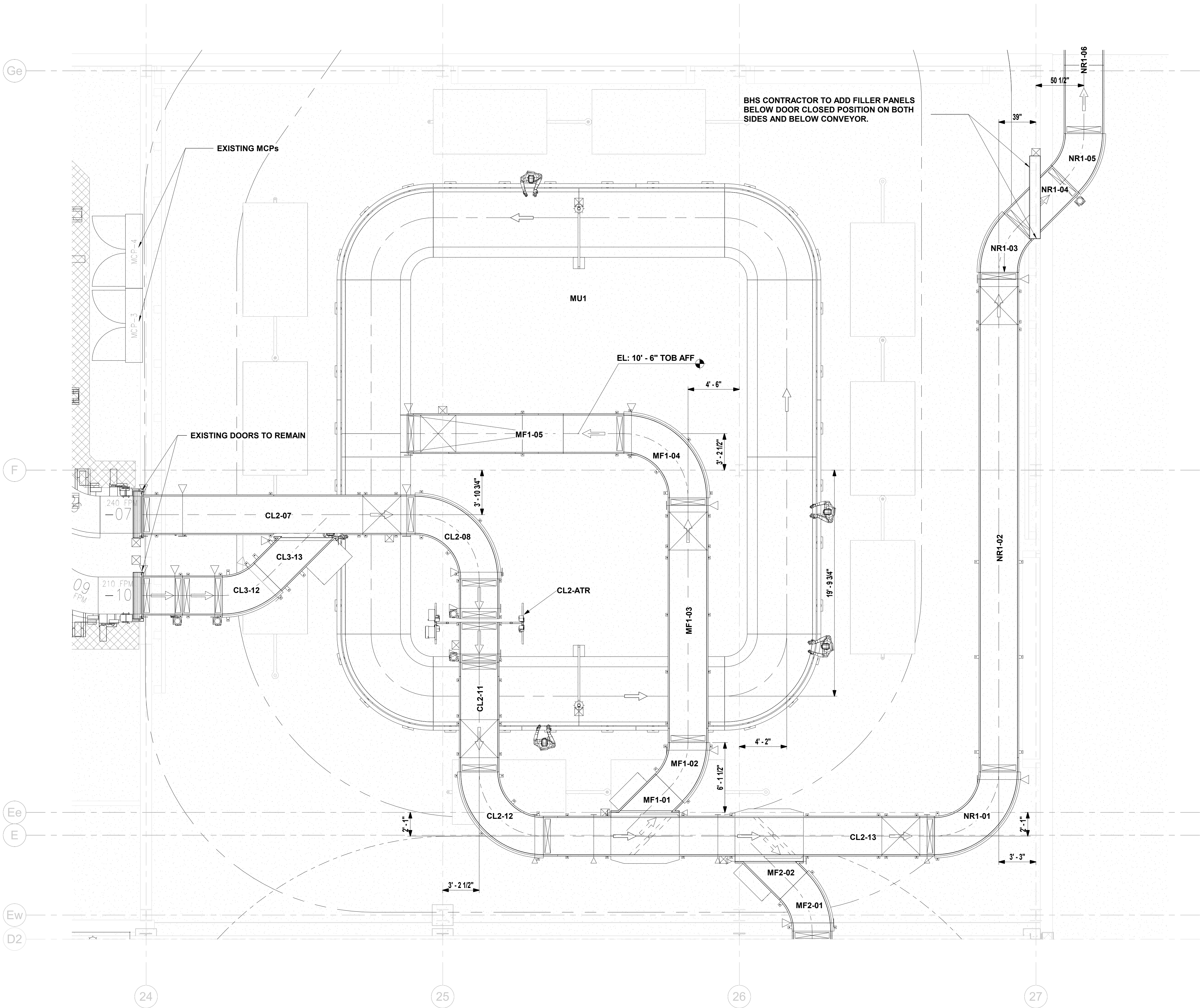
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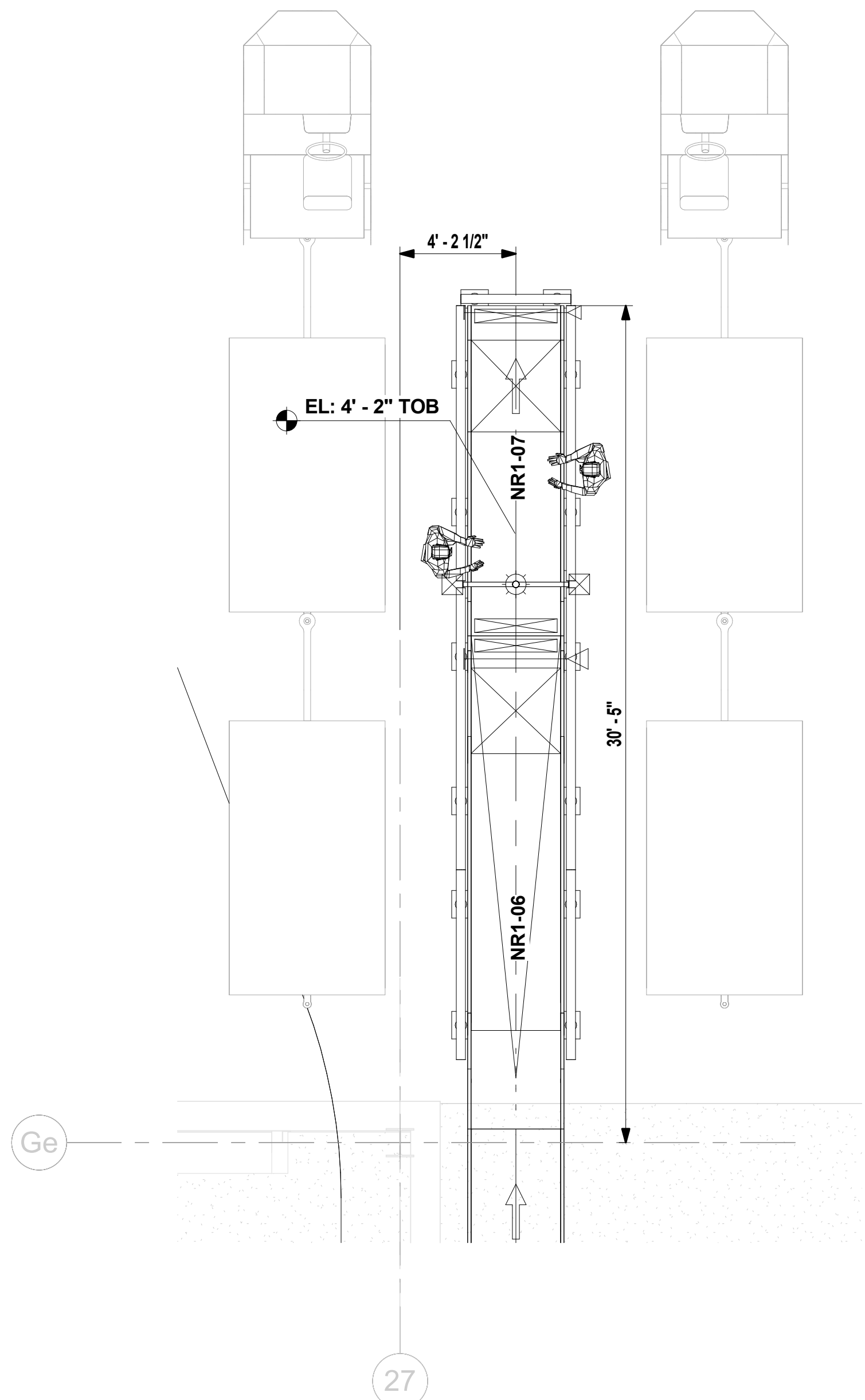
**3D VIEW -
NEW SYSTEM
OVERALL
LAYOUT**

SHEET NUMBER

BH1.1.01



1 PLAN VIEW-CL2 CL3 AND MF1 DETAIL
1/4" = 1'-0"



2 PLAN VIEW-NO READ DETAIL
1/4" = 1'-0"



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OUTBOUND BAGGAGE EXPANSION

6300 W Bay Pkwy,
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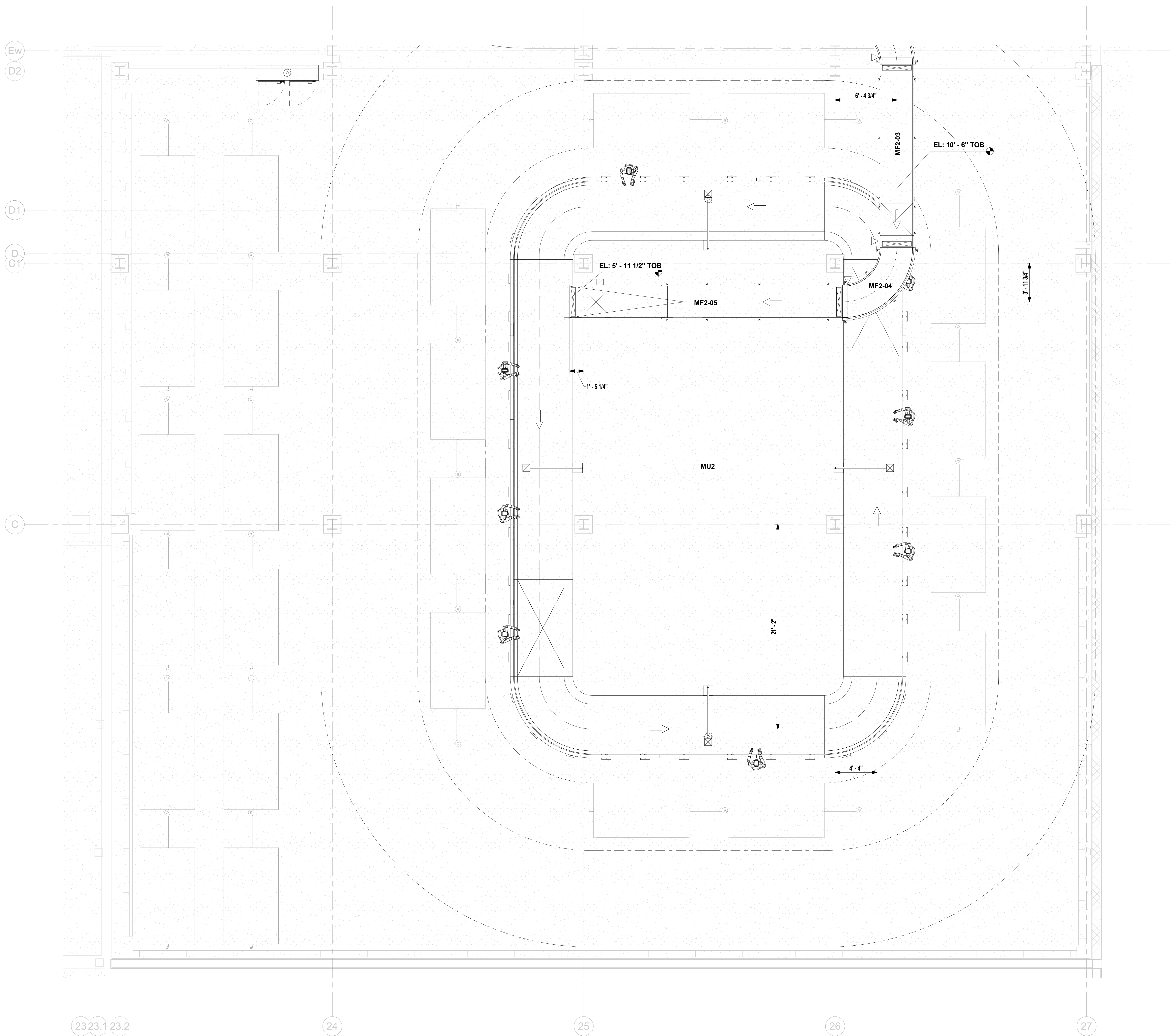
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DRAWING TITLE

PLAN VIEW - CL2 CL3 AND MF1 DETAIL LAYOUT

SHEET NUMBER

BH1.1.02



1 PLAN VIEW-MF2 AND MU2 DETAIL
1/4" = 1'-0"



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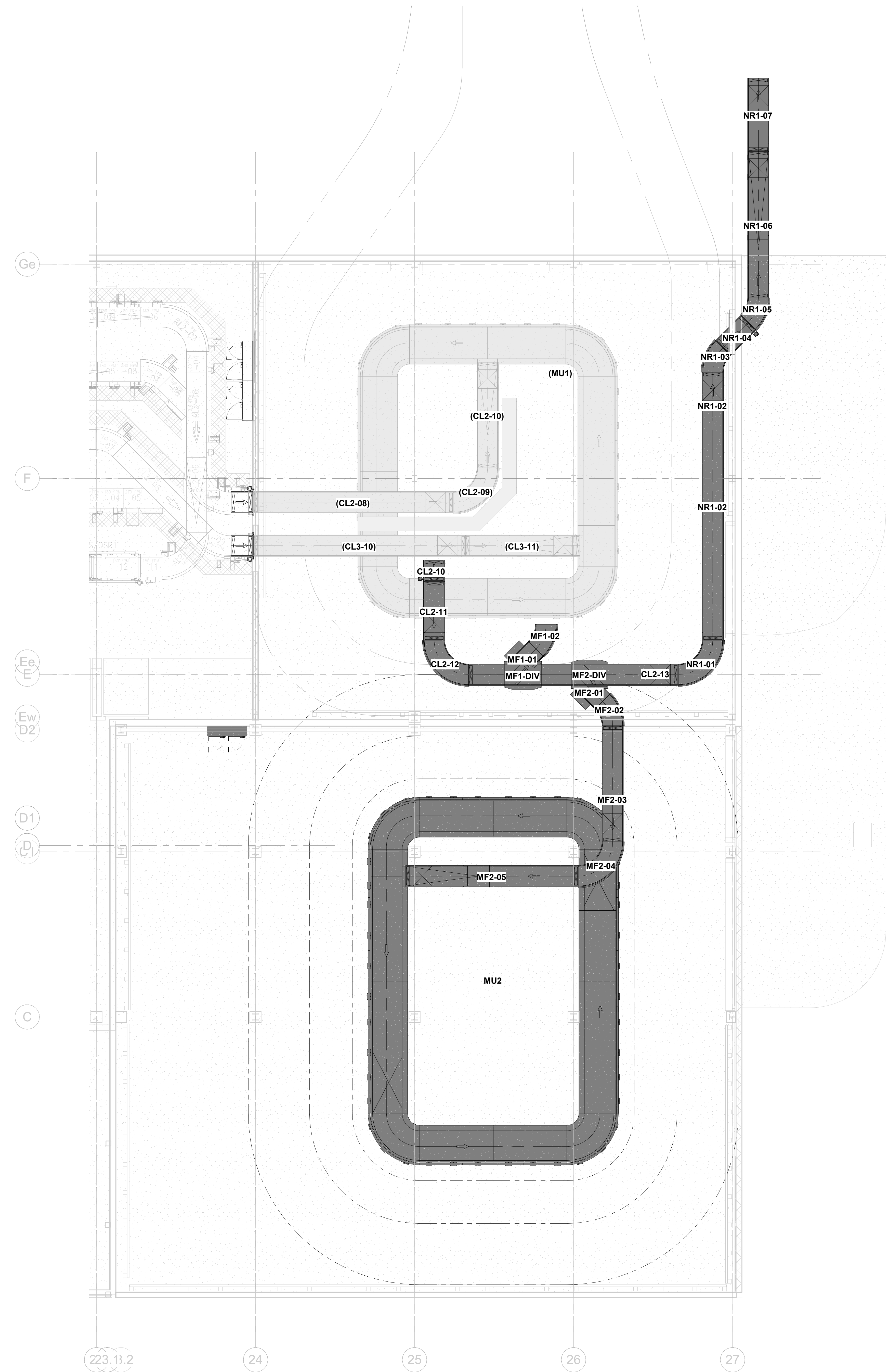
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PLAN VIEW - MF2 AND MU2 DETAIL LAYOUT

SHEET NUMBER

BH1.1.03

5/8/2022 8:40:24 AM BIM 360://21015 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHS_R01.rvt



PHASE 1
Install new makeup unit MU2. Install new belt conveyor from CL2-10 to NR1-07. Install new MF2 conveyor plus MF1-01 and MF1-02. (BH2.1.01). Install the new MCP, power and field wiring associated with the new conveyors in this phase and functionally test the new conveyors to extent possible. Existing CL2 and CL3 conveyors and MU1 remain unchanged and in use as designed during Phase 1.

LEGEND:

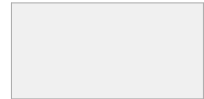
COMPONENTS TO BE DEMOLISHED



COMPONENTS TO BE INSTALLED



EXISTING COMPONENTS



NEW INSTALLED COMPONENTS



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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

**6300 W Bay Pkwy,
Panama City, FL 32409**

PROJECT NUMBER

NO. 210211

ISSUE DATE

05/10/2022

DRAWING TITLE

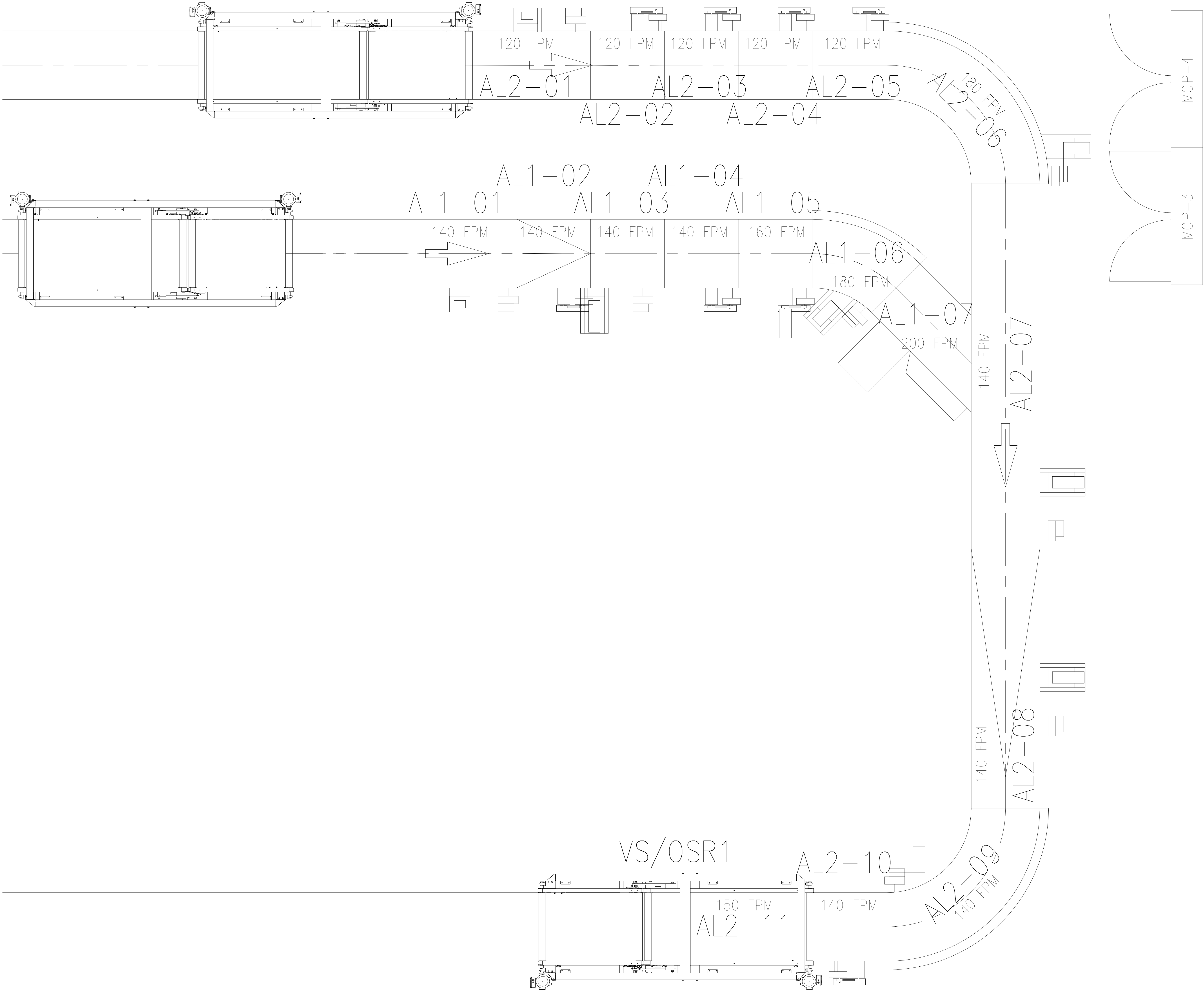
**BHS PLAN
PHASE 1**

SHEET NUMBER

BH2.1.01

1 PHASE 1
1/8" = 1'-0"

PHASE 2a1
Route all bags in CBIS from the SS1/SS2 vertical sorters through the AL1/AL2 lines.



1 ECP EXIST AL
1/2" = 1'-0"

5/8/2022 8:40:24 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHS_R01.rvt



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Panama City, FL 32409

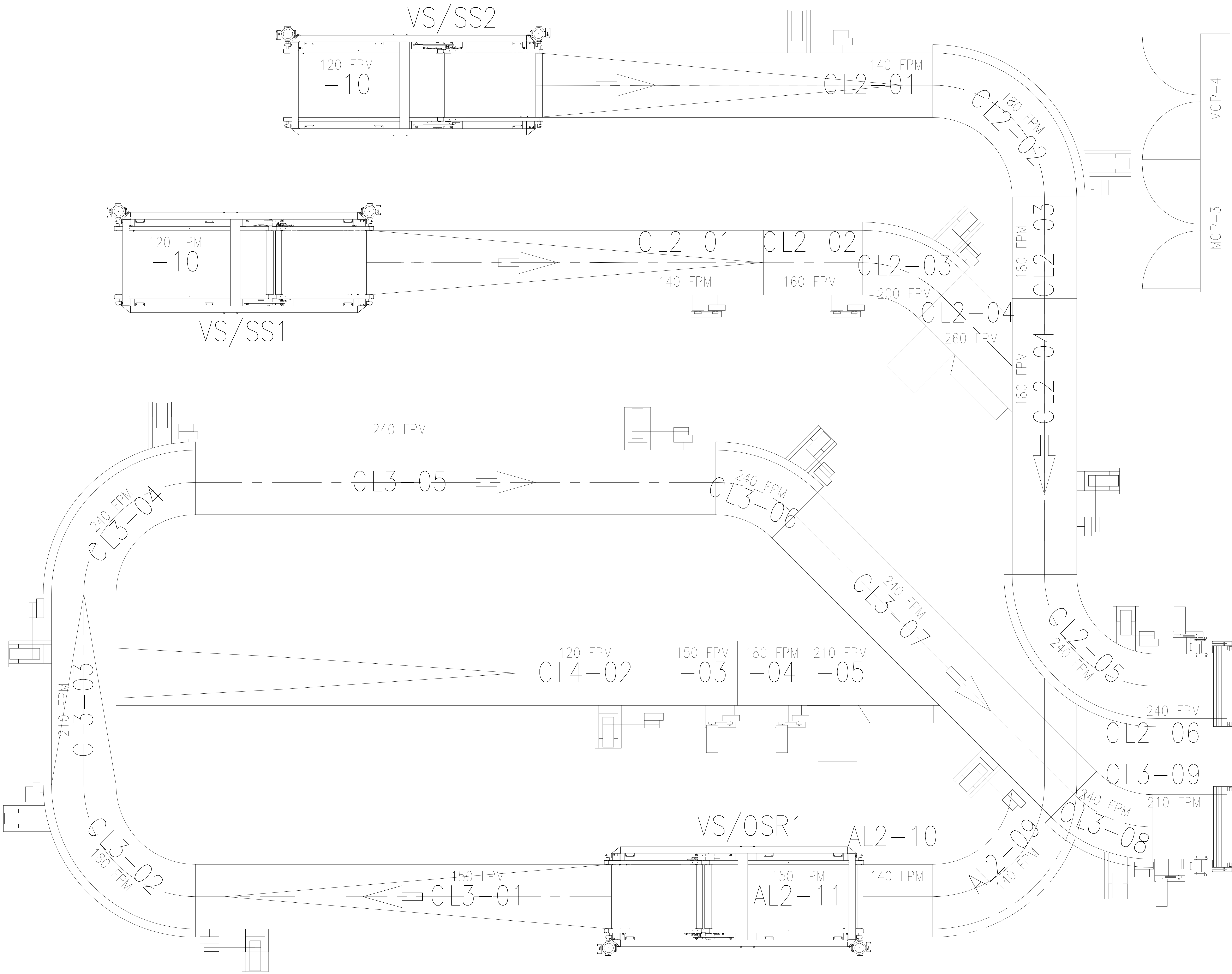
PROJECT NUMBER
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ISSUE DATE
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DRAWING TITLE
**BHS PLAN
PHASE 2a1**

SHEET NUMBER
BH2.1.02

PHASE 2a2
Program OSR1 vertical sorter (AL2-11) to clear all bags
that have passed Level 1 EDS to CL3 line.



① ECP EXIST CL
1/2" = 1'-0"



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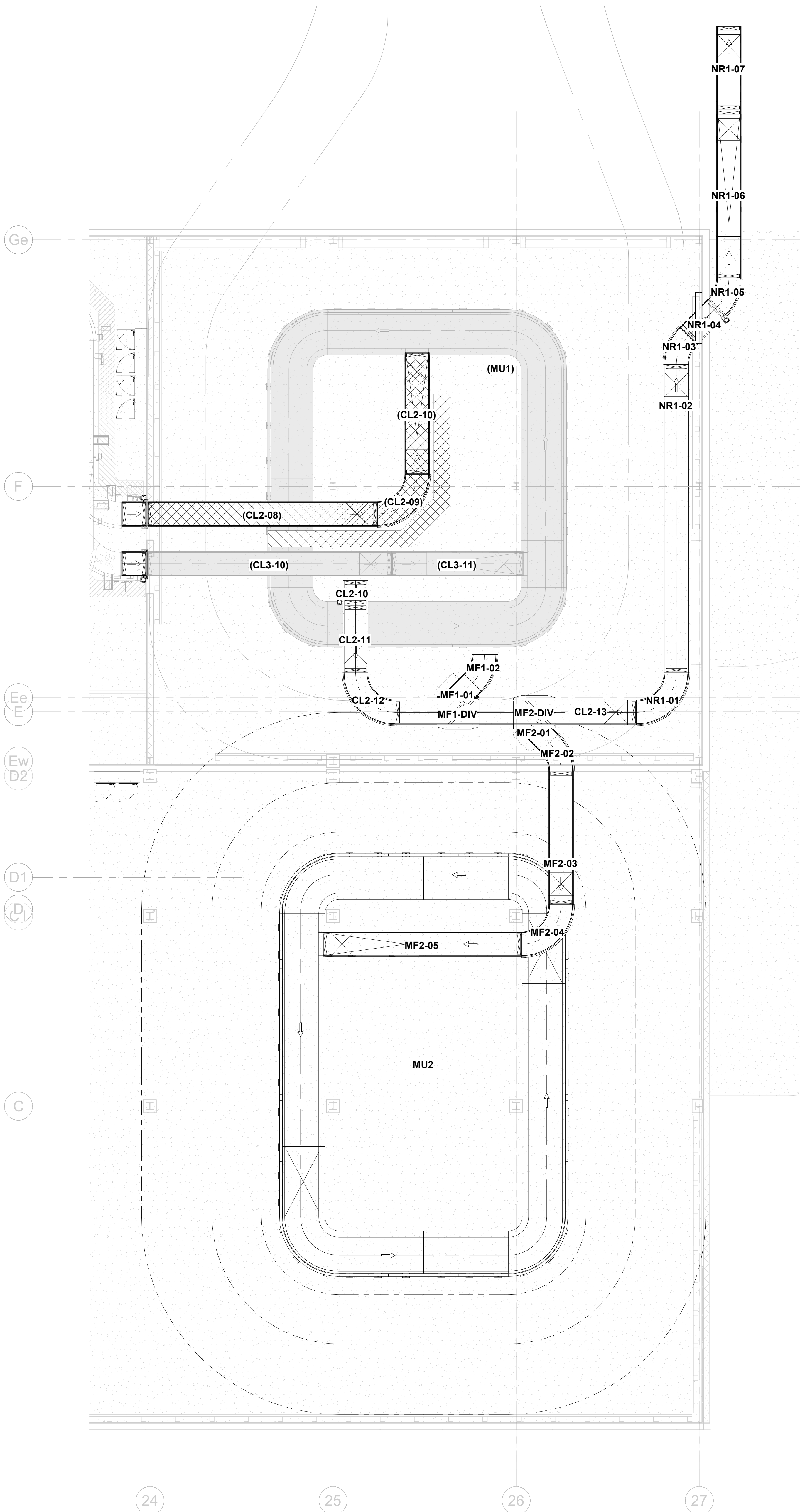
**BHS PLAN
PHASE 2a2**

SHEET NUMBER

BH2.1.03

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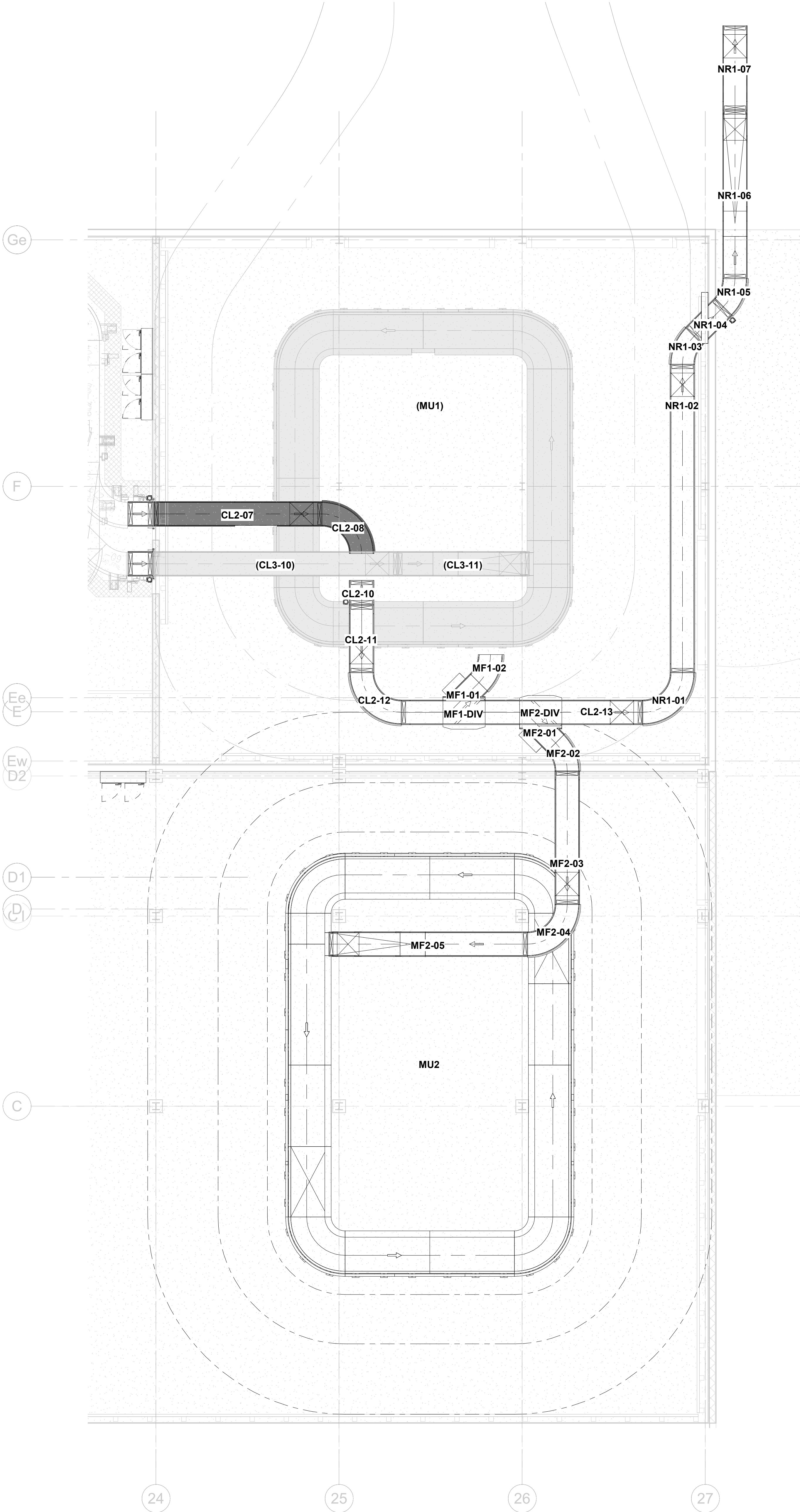
1 PHASE 2a3-1
1/8" = 1'-0"



PHASE 2a3
Demo existing CL2-07 through CL2-09 and catwalk
Install new CL2-07 and hang CL2-08.

- LEGEND:**
- COMPONENTS TO BE DEMOLISHED
 - COMPONENTS TO BE INSTALLED
 - EXISTING COMPONENTS
 - NEW INSTALLED COMPONENTS

2 PHASE 2a3-2
1/8" = 1'-0"



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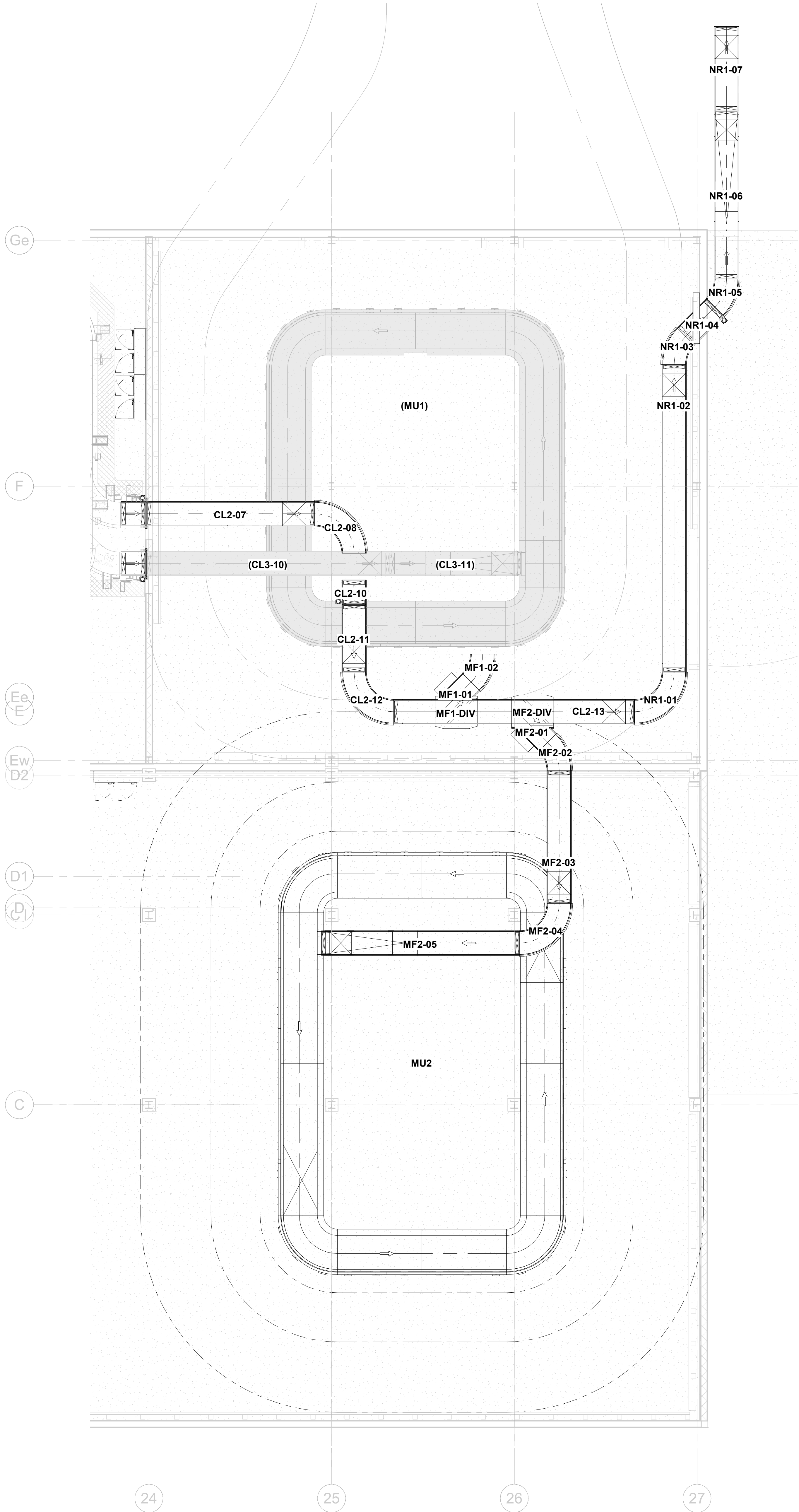
**BHS PLAN
PHASE 2a3**

SHEET NUMBER

BH2.1.04

5/8/2022 8:40:31 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHS_R01.rvt

1 PHASE 2b
1/8" = 1'-0"



PHASE 2b
Prepare hangers for CL2-09 and ATR. Prepare conduit and field wiring for the new CL2-08, CL2-09, CL3-10 through CL3-13 conveyors and the ATR.

LEGEND:

COMPONENTS TO BE DEMOLISHED



COMPONENTS TO BE INSTALLED



EXISTING COMPONENTS



NEW INSTALLED COMPONENTS



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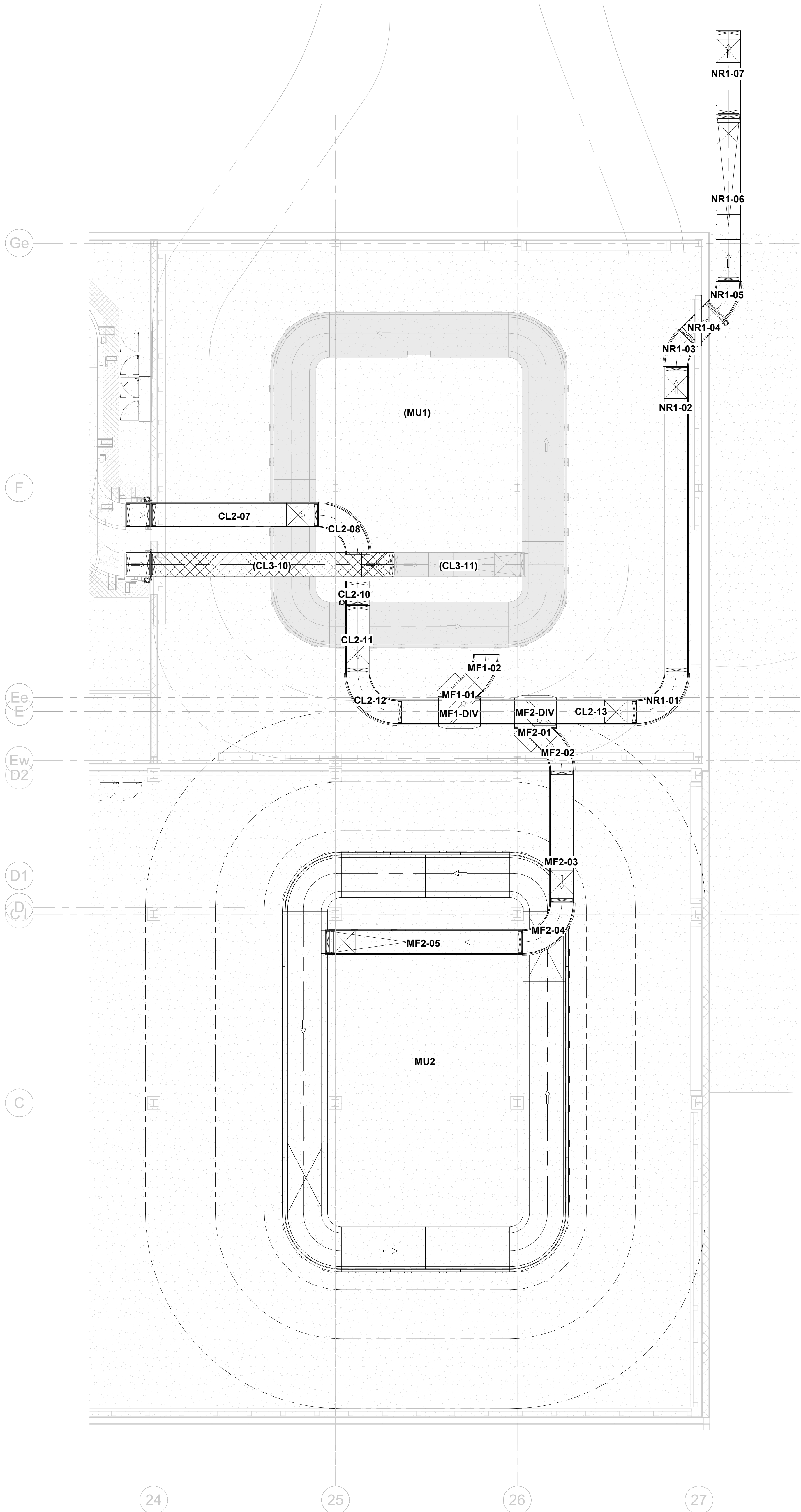
DRAWING TITLE

BHS PLAN
PHASE 2b

SHEET NUMBER

BH2.1.05

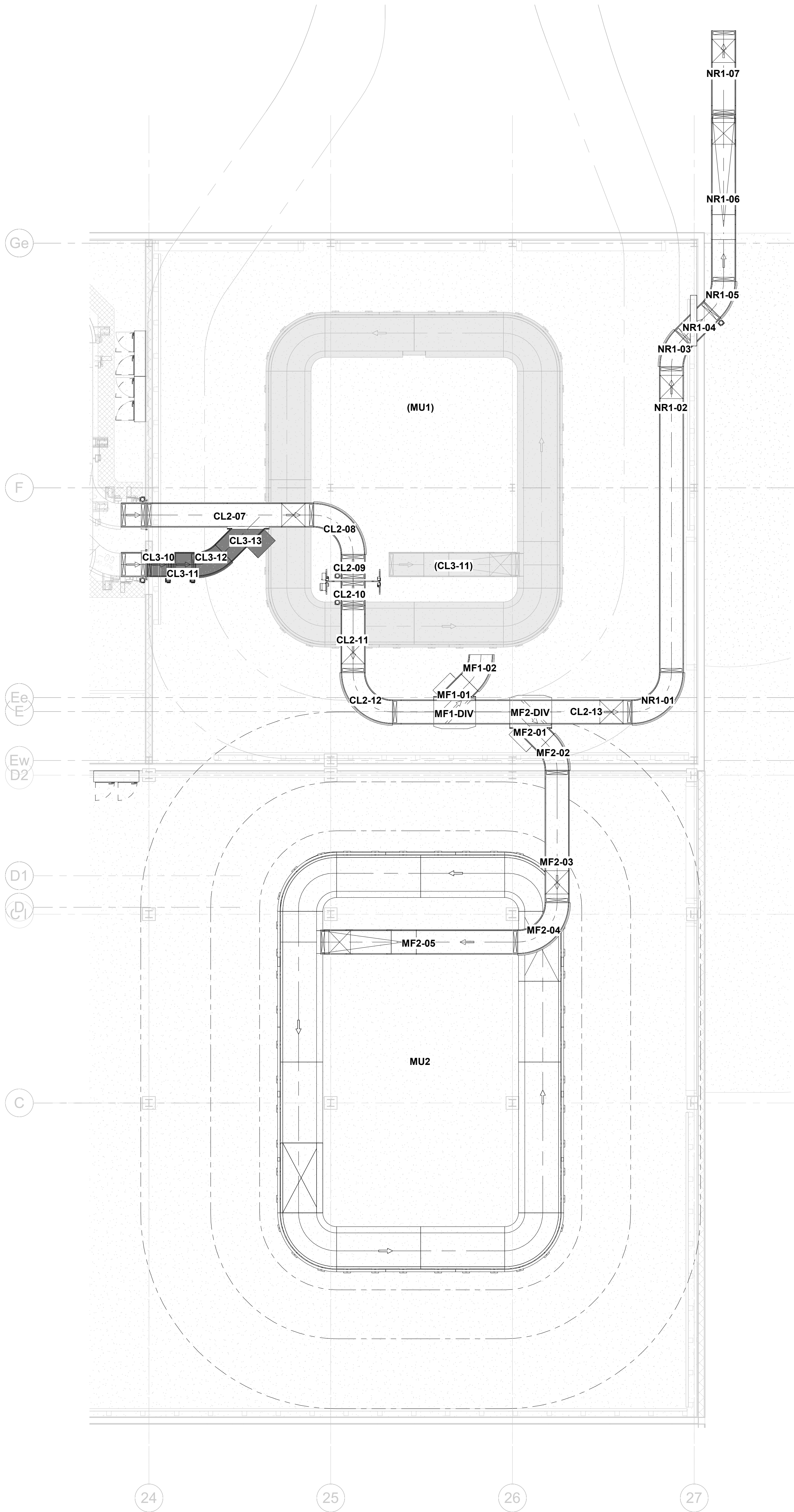
5/8/2022 8:49:35 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_EOP_BHS_R01.rvt



1 PHASE 2c1
1/8" = 1'-0"

PHASE 2c
OVERNIGHT! Demo existing CL3-10. Install new CL2-09 and ATR. Connect CL2-08.
Install new CL3-10 through CL3-13 (queues, power turn and merge). Test

PHASE 2d
Return CBIS to original programming. Test and turn over to airport. All bags will route to MU2.



2 PHASE 2c2
1/8" = 1'-0"

LEGEND:

COMPONENTS TO BE DEMOLISHED

COMPONENTS TO BE INSTALLED

EXISTING COMPONENTS

NEW INSTALLED COMPONENTS



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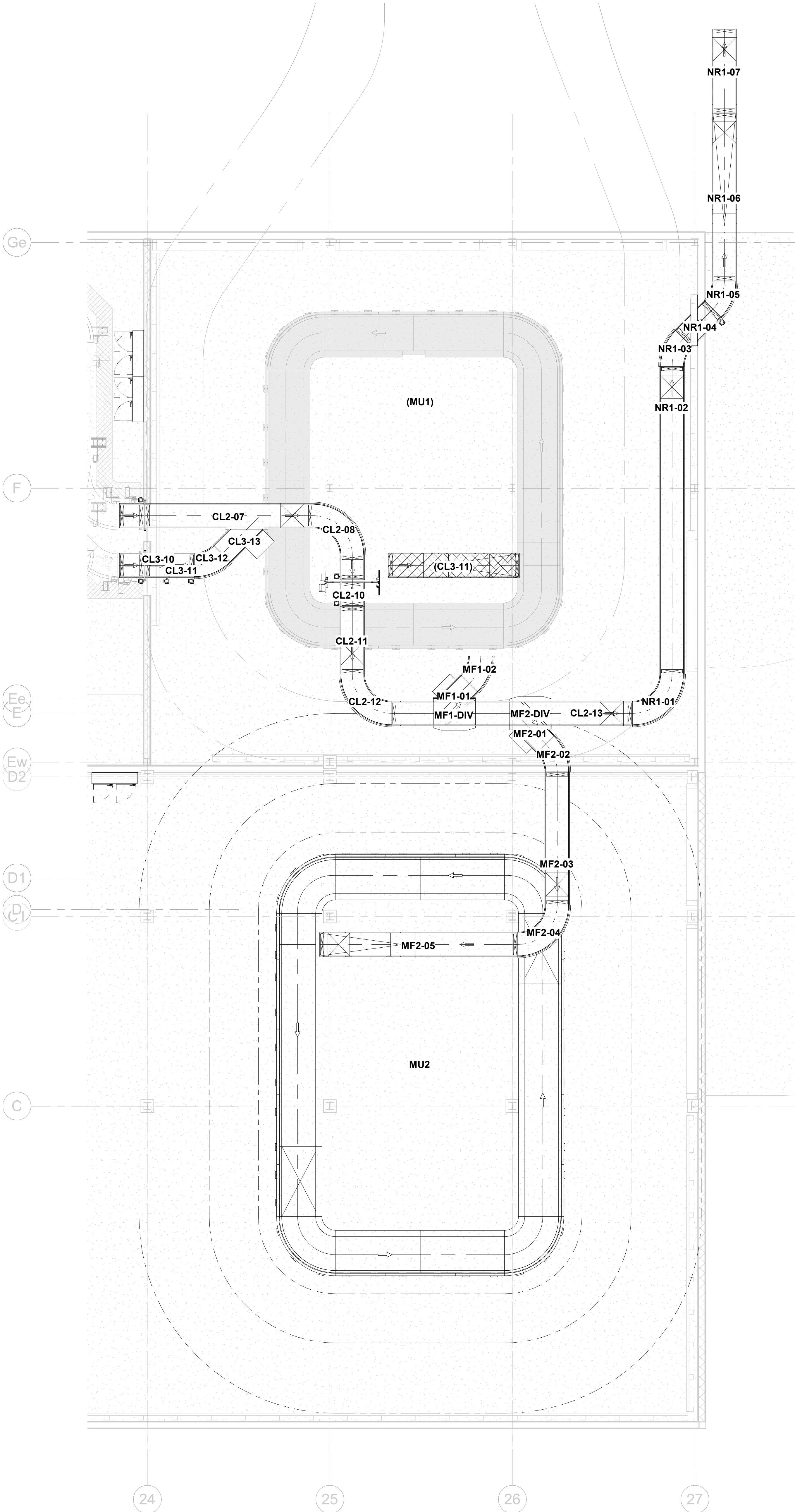
BHS PLAN PHASE 2c&d

SHEET NUMBER

BH2.1.06

5/8/2022 8:40:38 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_EOP_BHS_R01.rvt

1 PHASE 3a
1/8" = 1'-0"



PHASE 3
Demo remaining existing CL3 conveyor. Install MF1-03 through MF1-05. Test sortation system per designated sort plan. Turn over system to airport.

LEGEND:

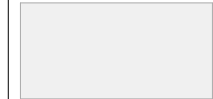
COMPONENTS TO BE DEMOLISHED



COMPONENTS TO BE INSTALLED



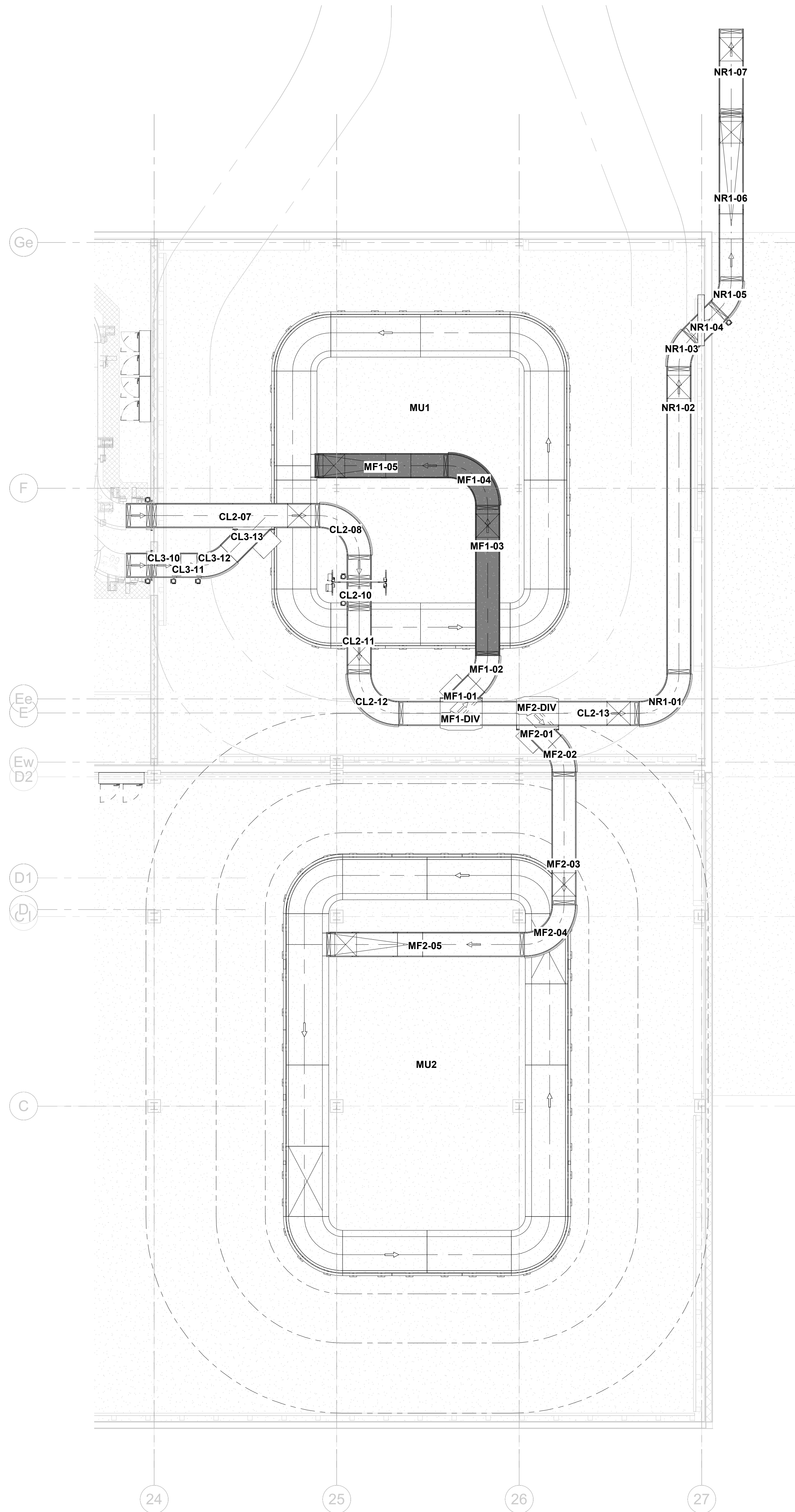
EXISTING COMPONENTS



NEW INSTALLED COMPONENTS



2 PHASE 3b
1/8" = 1'-0"



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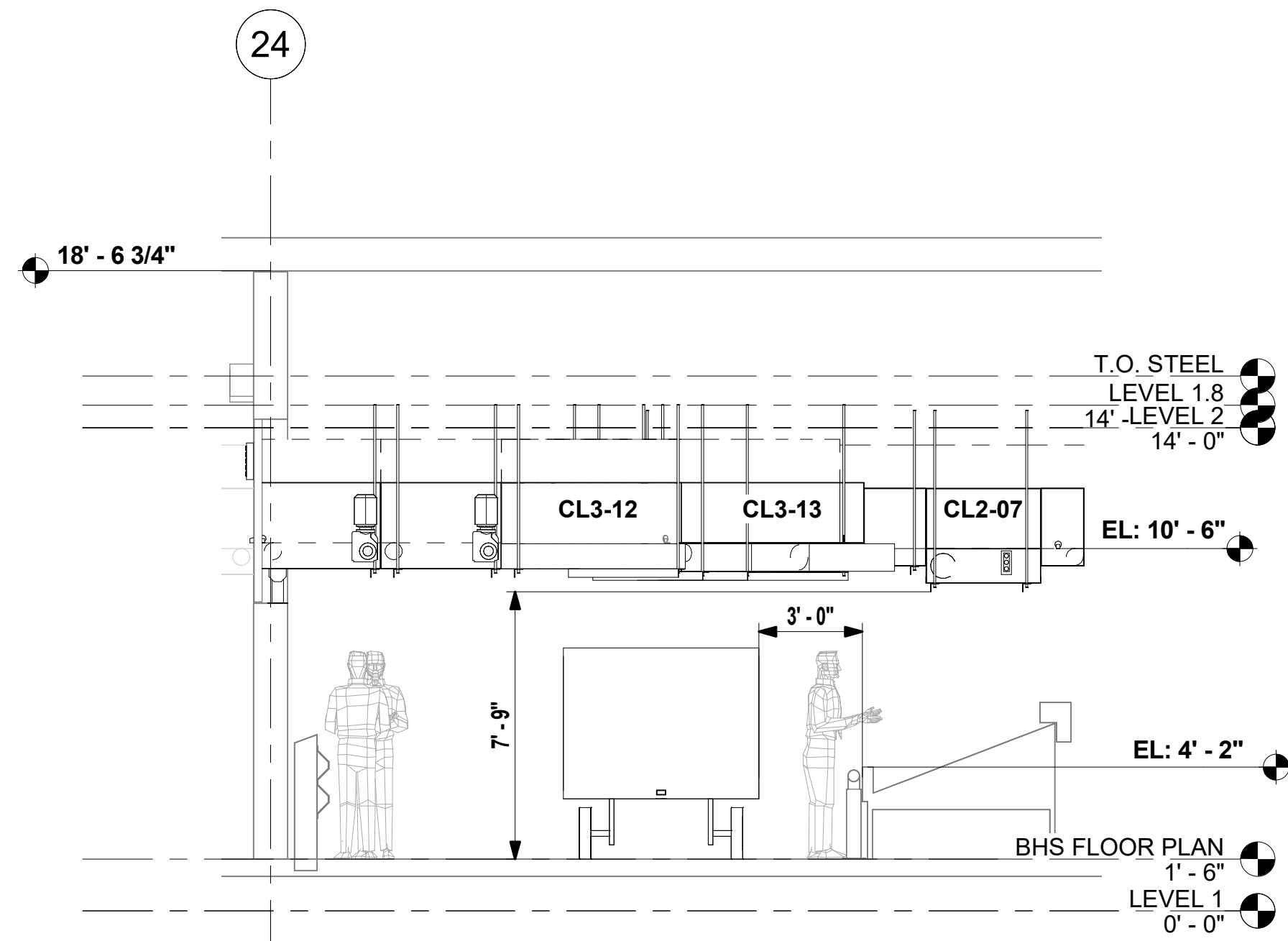
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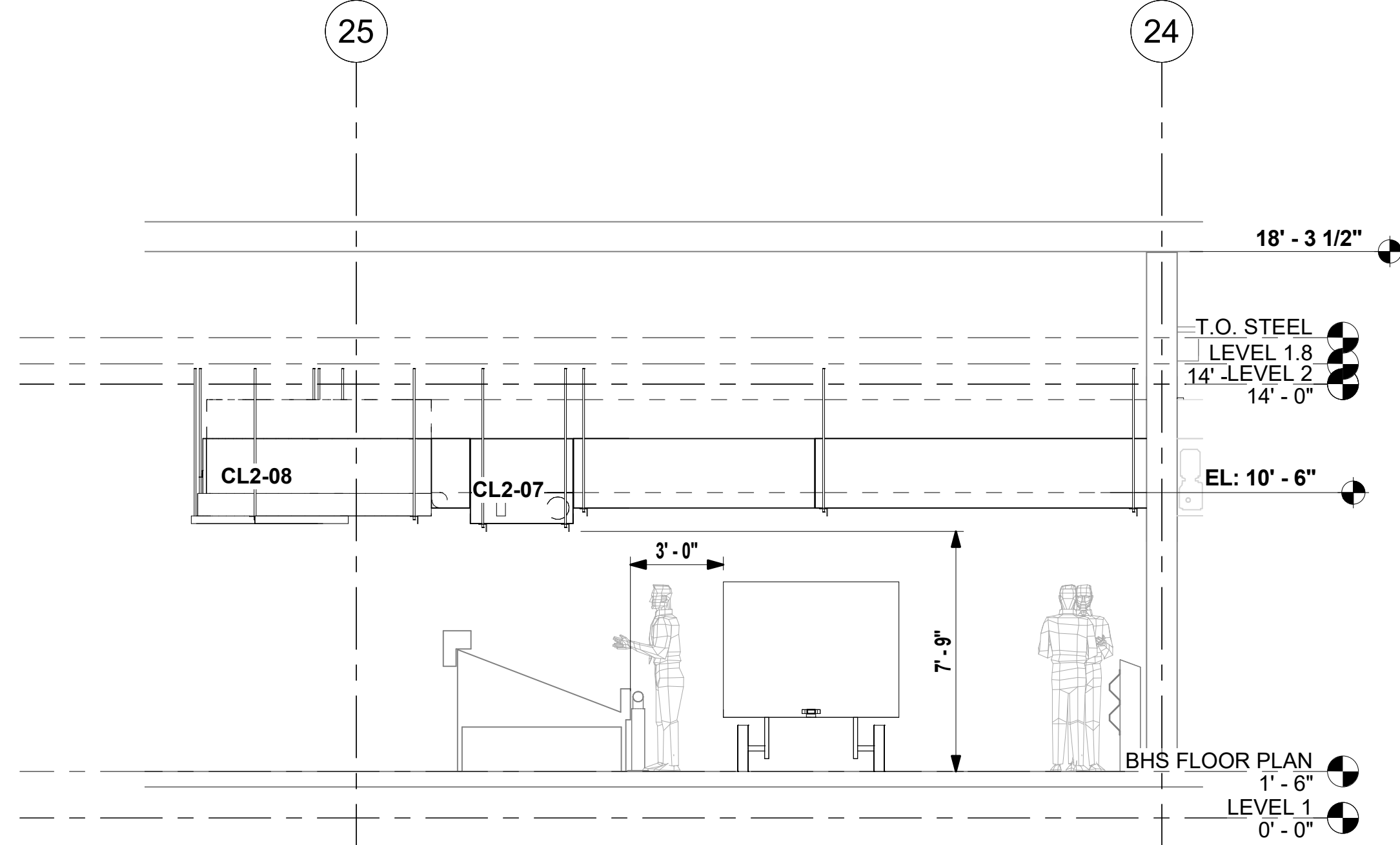
BHS PLAN
PHASE 3

SHEET NUMBER

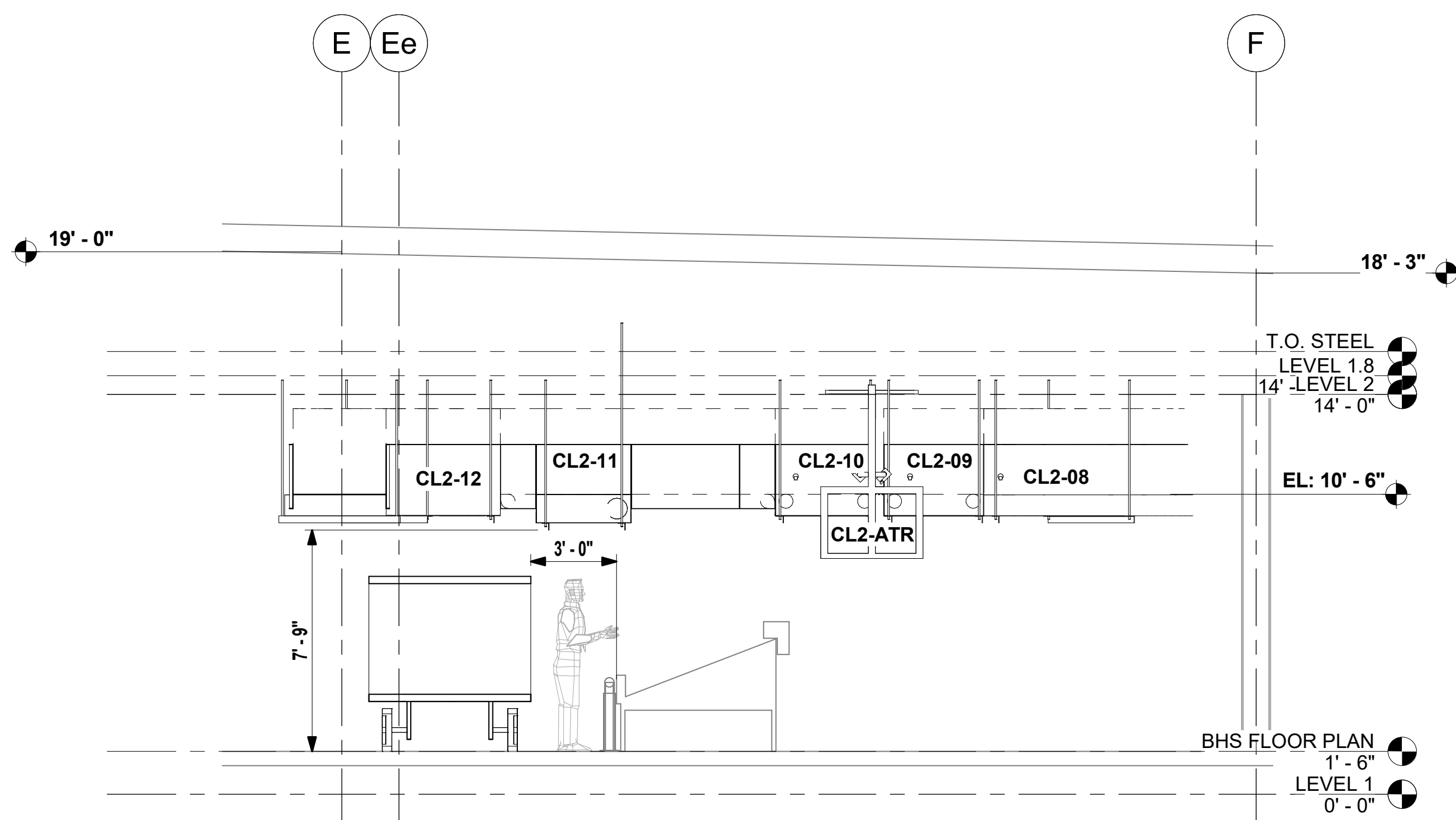
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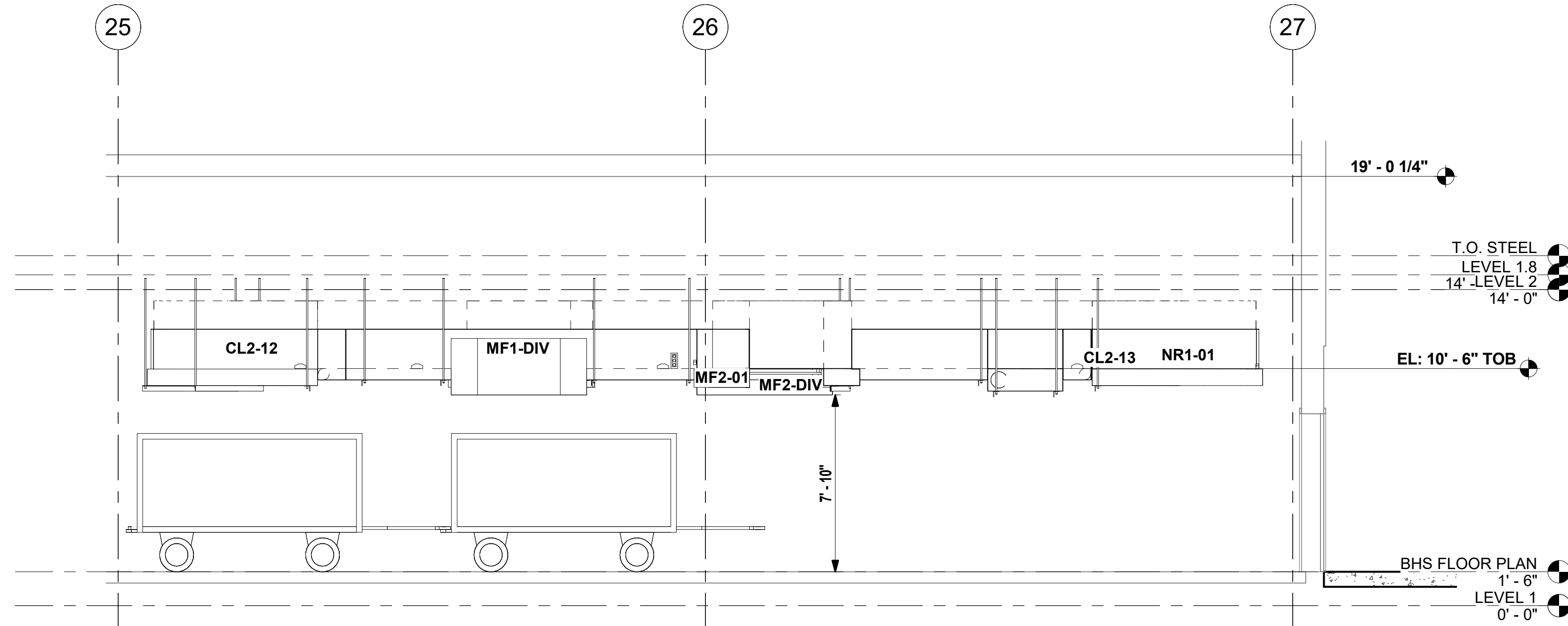
1 CL3-10 thru CL3-13
1/4" = 1'-0"



2 CL2-07 and CL2-08
1/4" = 1'-0"



3 CL2-08 thru CL2-12
1/4" = 1'-0"



4 CL2-12, CL2-13 and NR1-01
1/4" = 1'-0"



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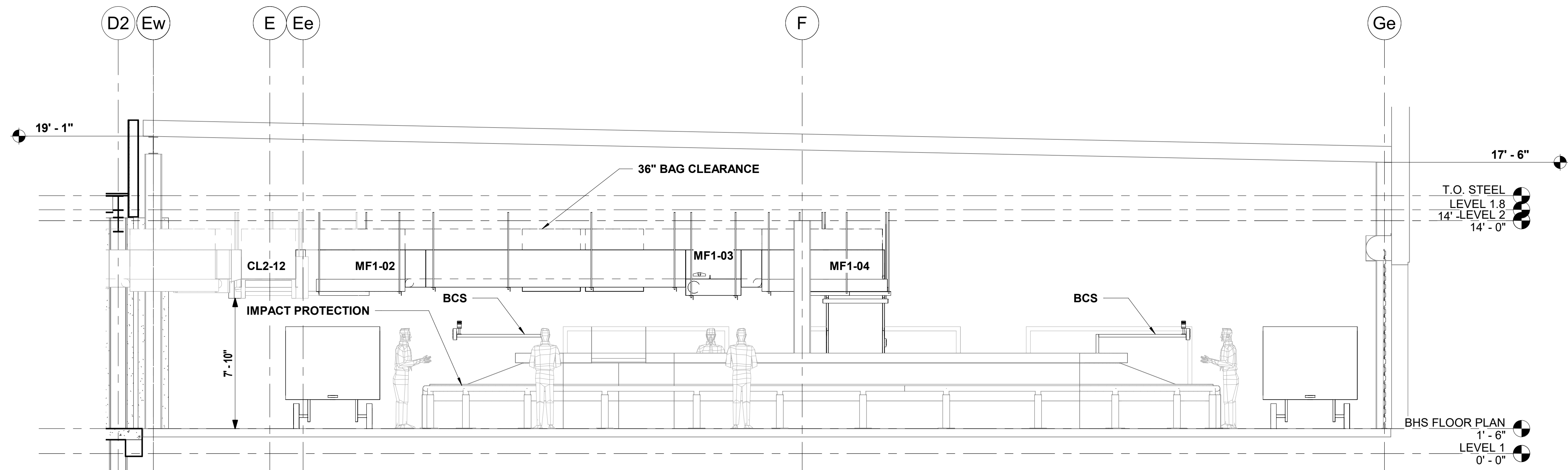
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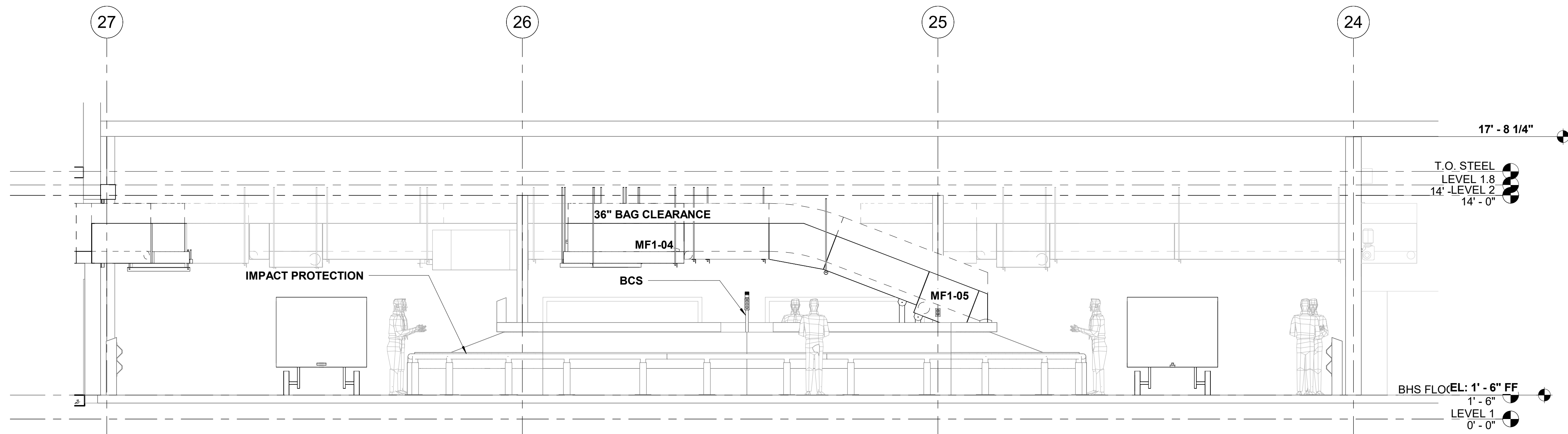
ELEVATION VIEWS- NEW CONVEYOR

SHEET NUMBER

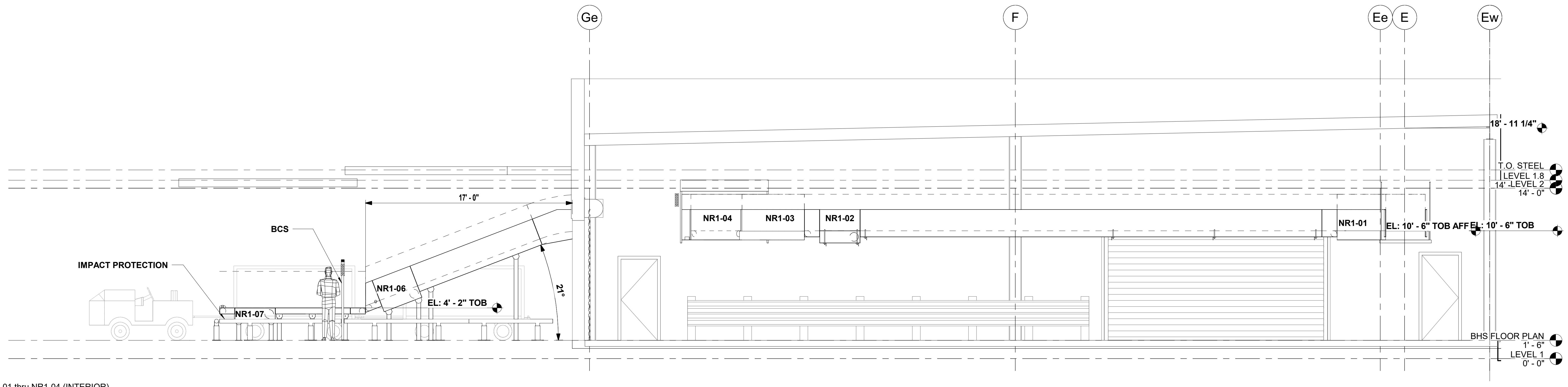
BH4.1.01



② MF1-01 thru MF1-04 and MU1
1/4" = 1'-0"



③ MF1-04 and MF1-05 and MU1
1/4" = 1'-0"



① NR1-01 thru NR1-04 (INTERIOR)
1/4" = 1'-0"



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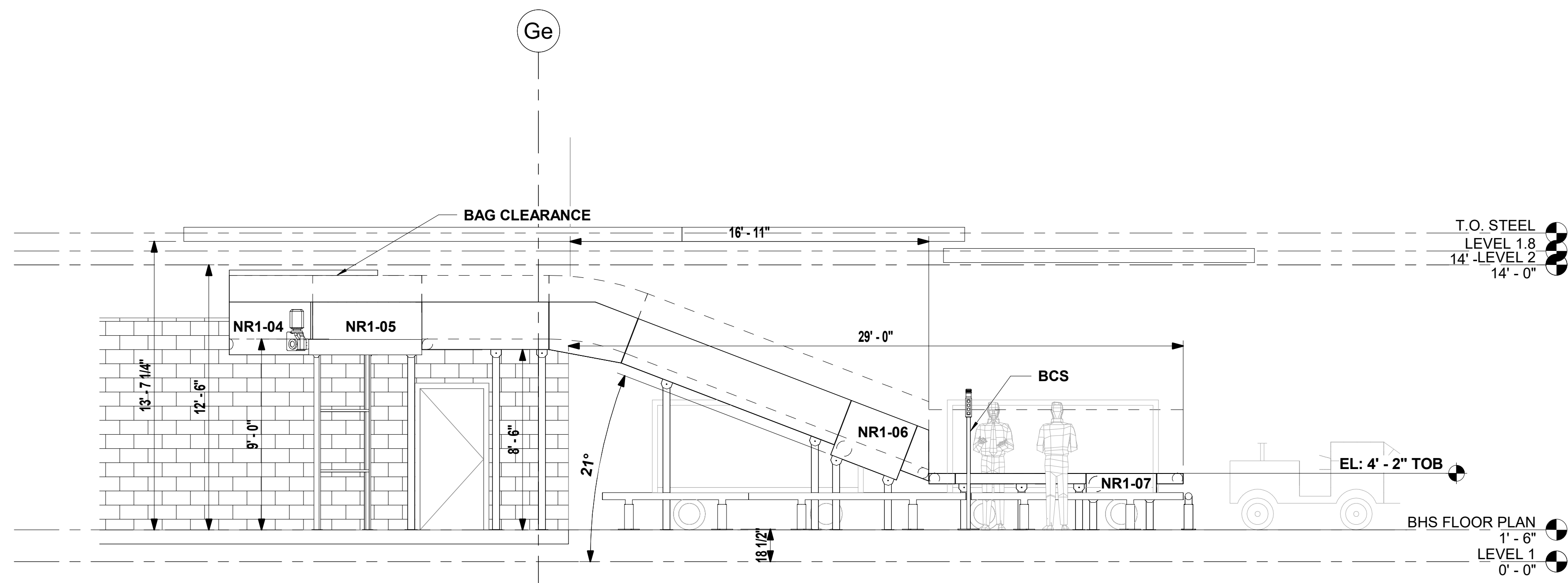
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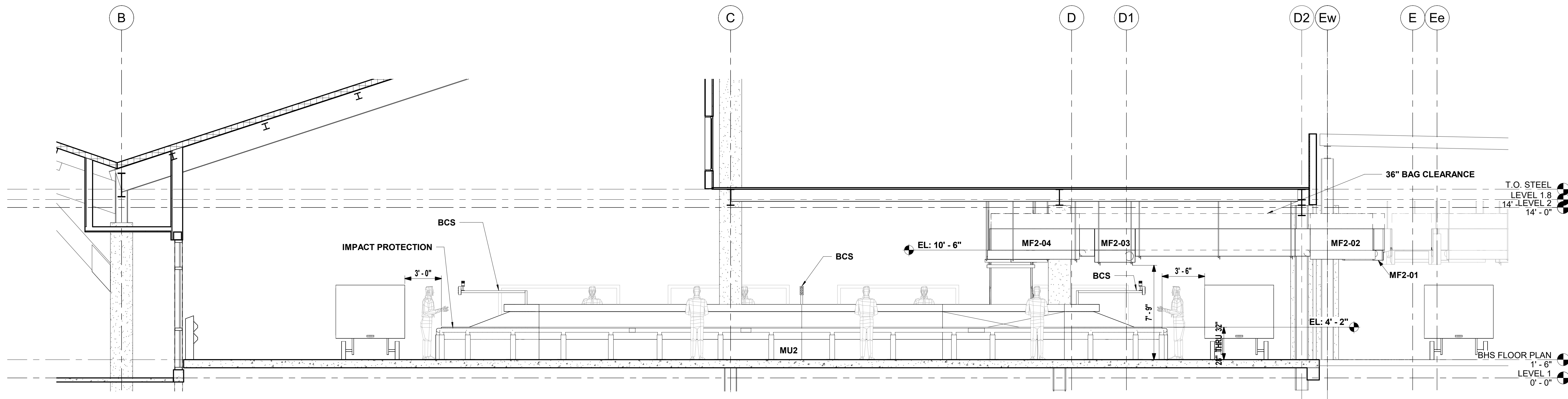
ELEVATION VIEWS- NEW CONVEYOR

SHEET NUMBER

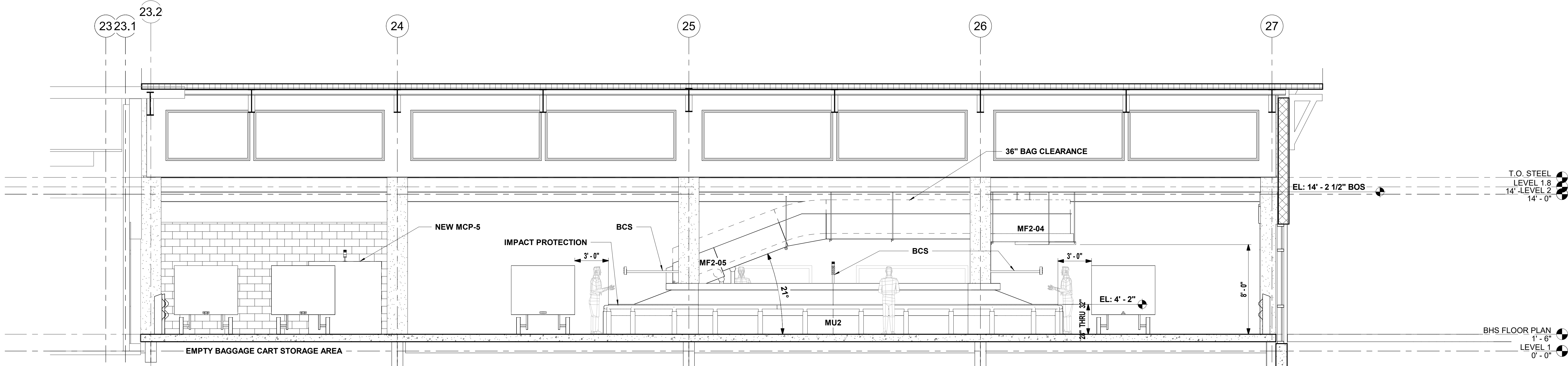
BH4.1.02



③ NR1-01 thru NR1-04 (EXTERIOR)
1/4" = 1'-0"



① MF2-01 thru MF2-04 and MU2
1/4" = 1'-0"



② MF2-04 and MF2-05 and MU2
1/4" = 1'-0"



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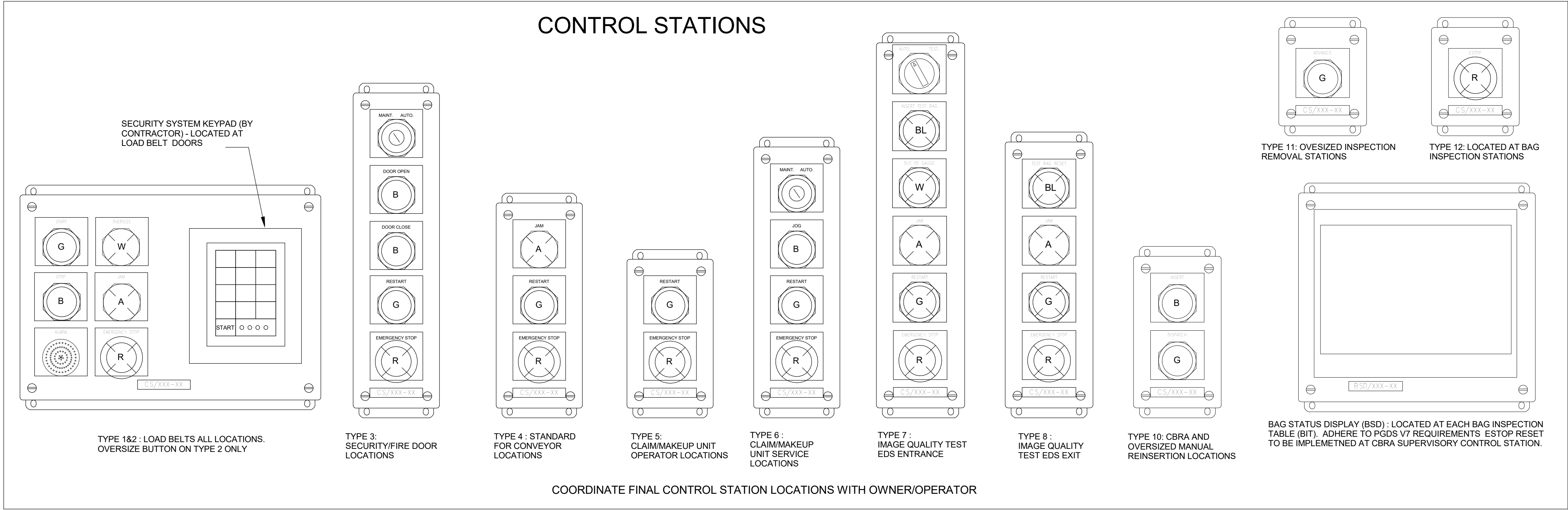
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ELEVATION VIEWS- NEW CONVEYOR

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BH4.1.03

1 ELECTRICAL DEVICE STANDARDS
12" = 1'-0"

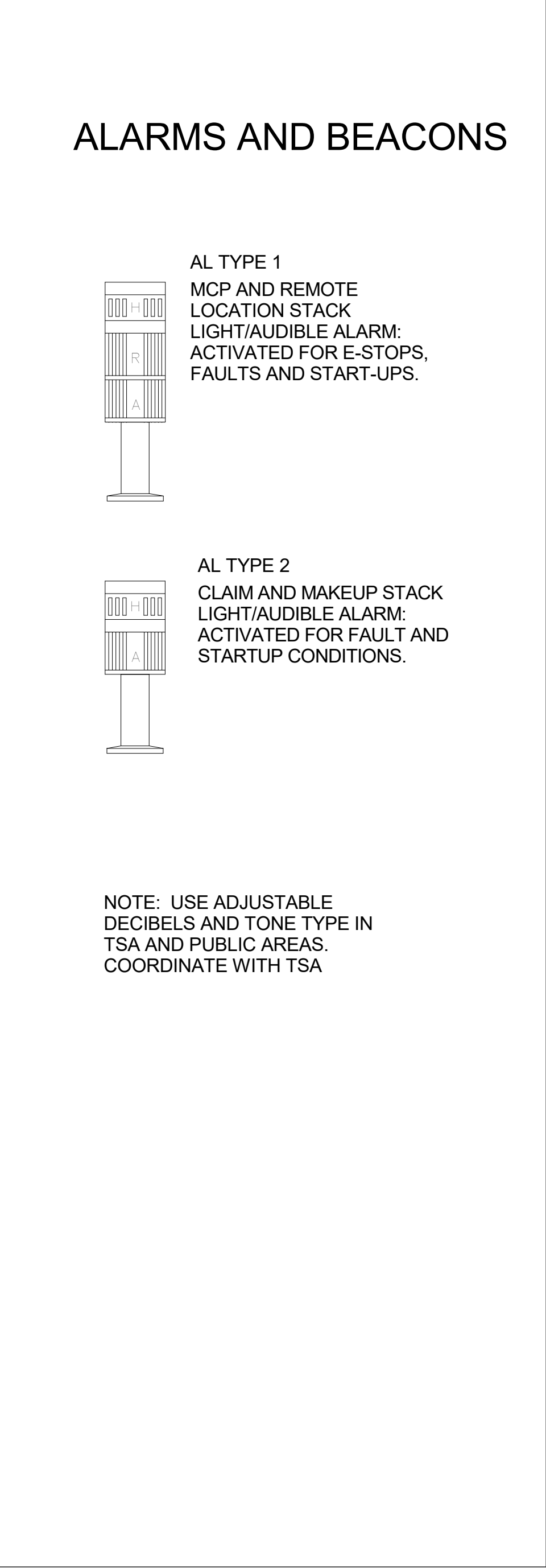
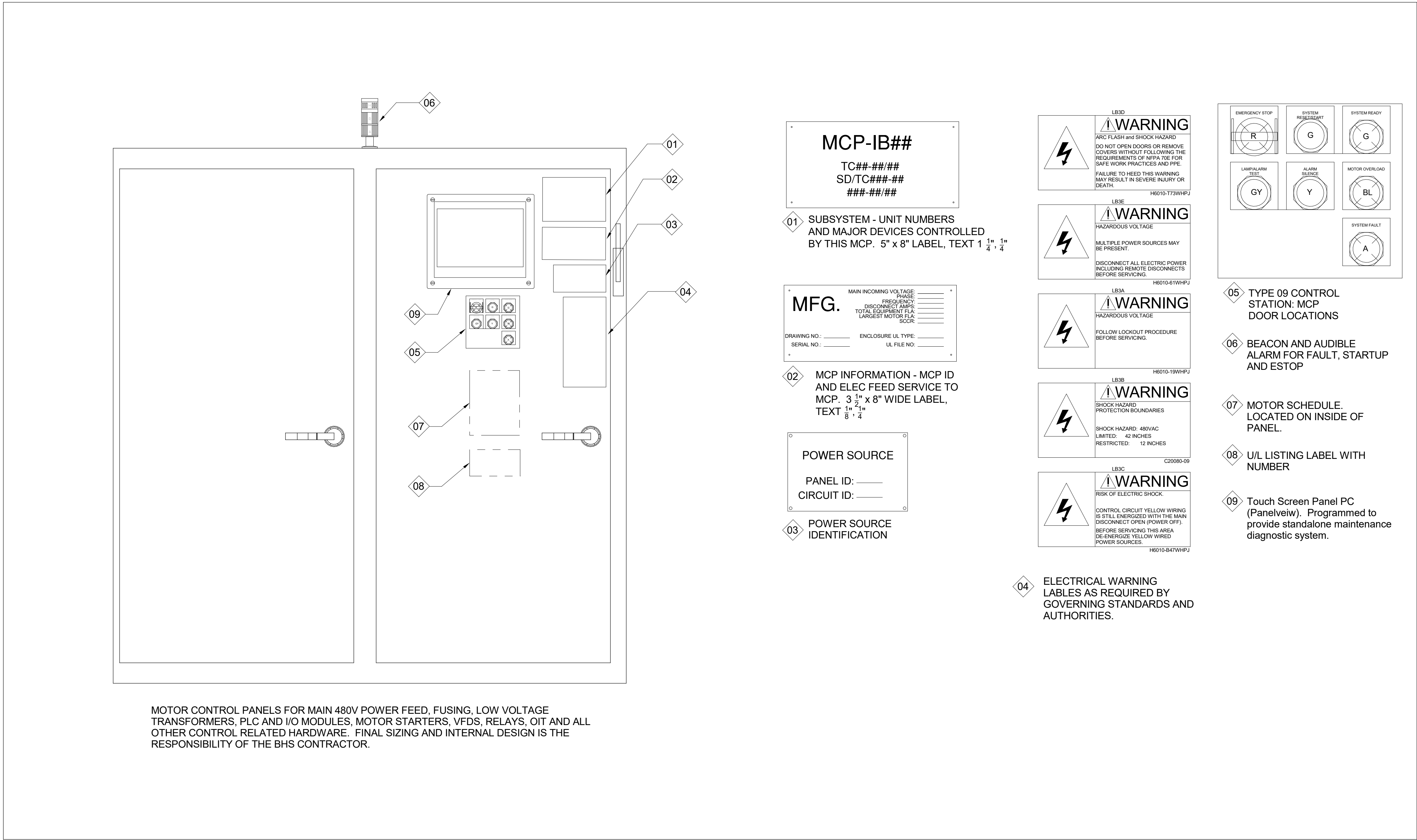


CONTROL DEVICES LEGEND

	TWO POSITION SELECTOR-SWITCH
	ILLUMINATED PUSHBUTTON UNIT
	ILLUMINATED INDICATOR LIGHT
	PUSHBUTTON UNIT
	MUSHROOM HEAD EMERGENCY STOP
	ILLUMINATED PUSH AND PULL RELEASE UNIT
	AUDIBLE ALARM
	KEY SWITCH

CONTROL PANEL OPERATOR ABBREVIATIONS

R - RED, A - AMBER, G - GREEN, Y - YELLOW
W - WHITE, B - BLACK, BL - BLUE, GY - GRAY



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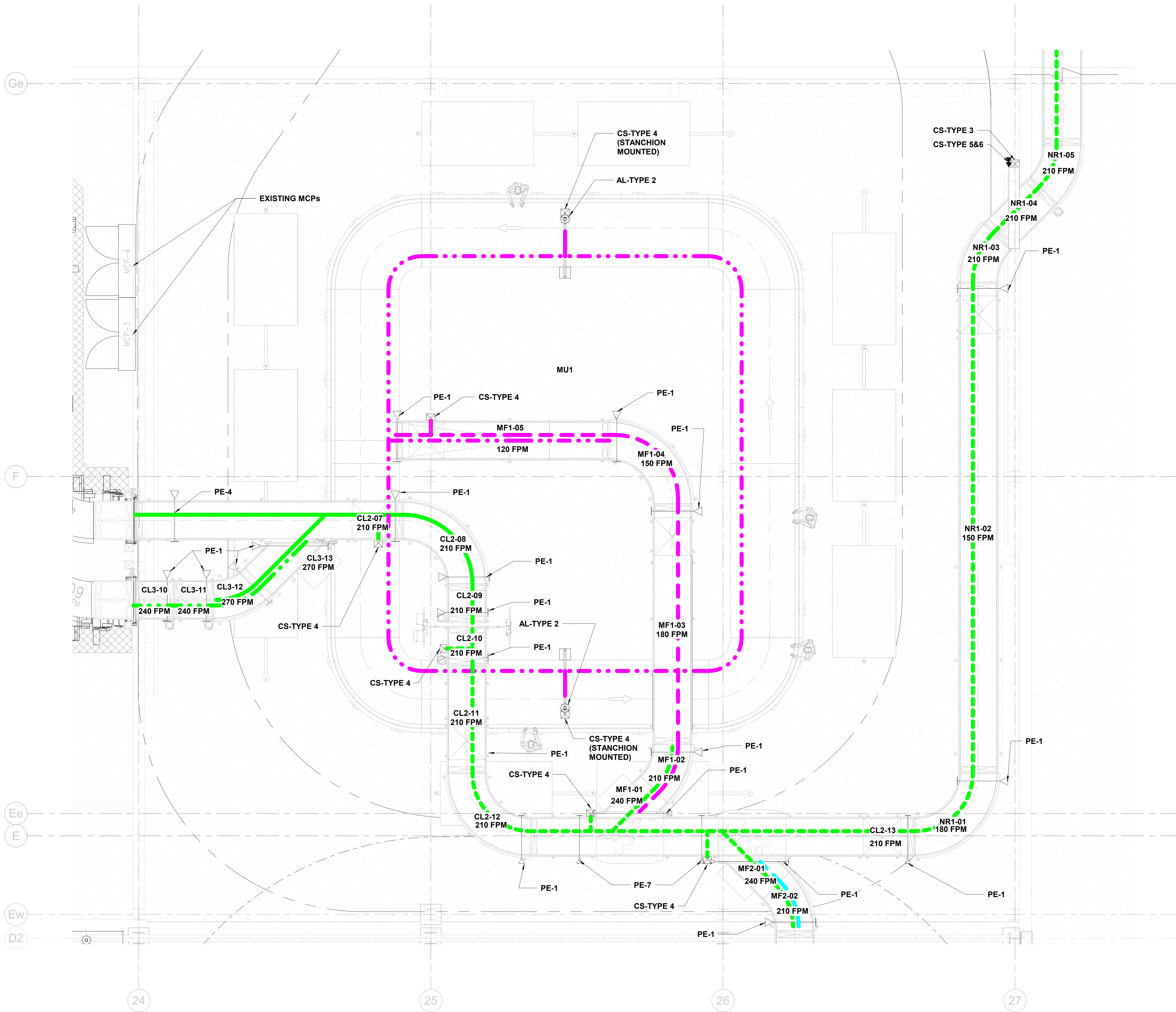
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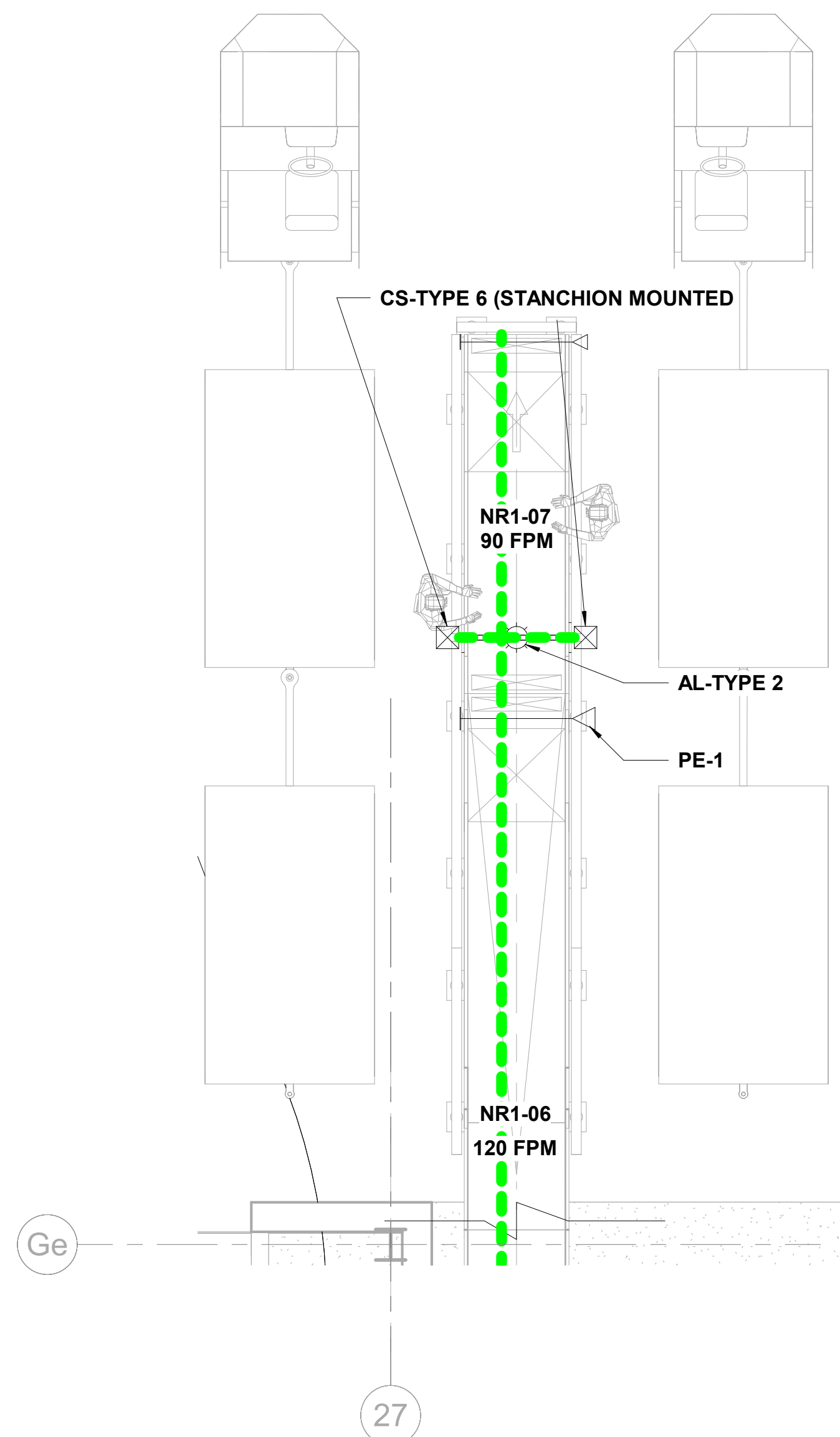
ELECTRICAL DEVICE STANDARDS

SHEET NUMBER

BH5.1.00



① CL2 CL3 AND MF1 ELECTRICAL
1/4" = 1'-0"



② NR1 ELECTRICAL
1/4" = 1'-0"

LEGEND:

- PE-1 CASCADE STOP/JAM PHOTOEYE
- PE-2 DOOR OBSTRUCTION PHOTOEYE
- PE-3 OVERHEIGHT DETECTION PHOTOEYE
- PE-4 MERGE WINDOW PHOTOEYE
- PE-5 DOOR OPEN PHOTOEYE
- PE-6 DOOR CLOSED PHOTOEYE
- CS-1 UNLOAD BELT CONTROL STATION
- CS-2 LOAD BELT W/O'S CONTROL STATION
- CS-3 DOOR CONTROL STATION
- CS-4 STANDARD CONVEYOR SONTROL STATION

LEGEND (SYMBOLS):

- PE (PHOTOEYE)
- PE (DOOR OPEN / CLOSE)
- CS (CONTROL STATION)
- MSD (MOTOR SAFETY DISCONNECT)
- LS (LIMIT SWITCH)
- ENC (SHAFT ENCODER)
- SACR (SECURITY ACCESS CARD READER)
- BEACON / AUDIBLE ALARM
- STANCHION MOUNTED

ESTOP ZONES:

- CL2 ESTOP (1)
- CL2 / NR1 ESTOP (2)
- CL3 ESTOP (1)
- MF1 ESTOP (1)
- MU1 ESTOP (1)
- MF2 ESTOP (1)

FOR FIELD DEVICE TYPES
REFER TO SHEETS BH5.1.01



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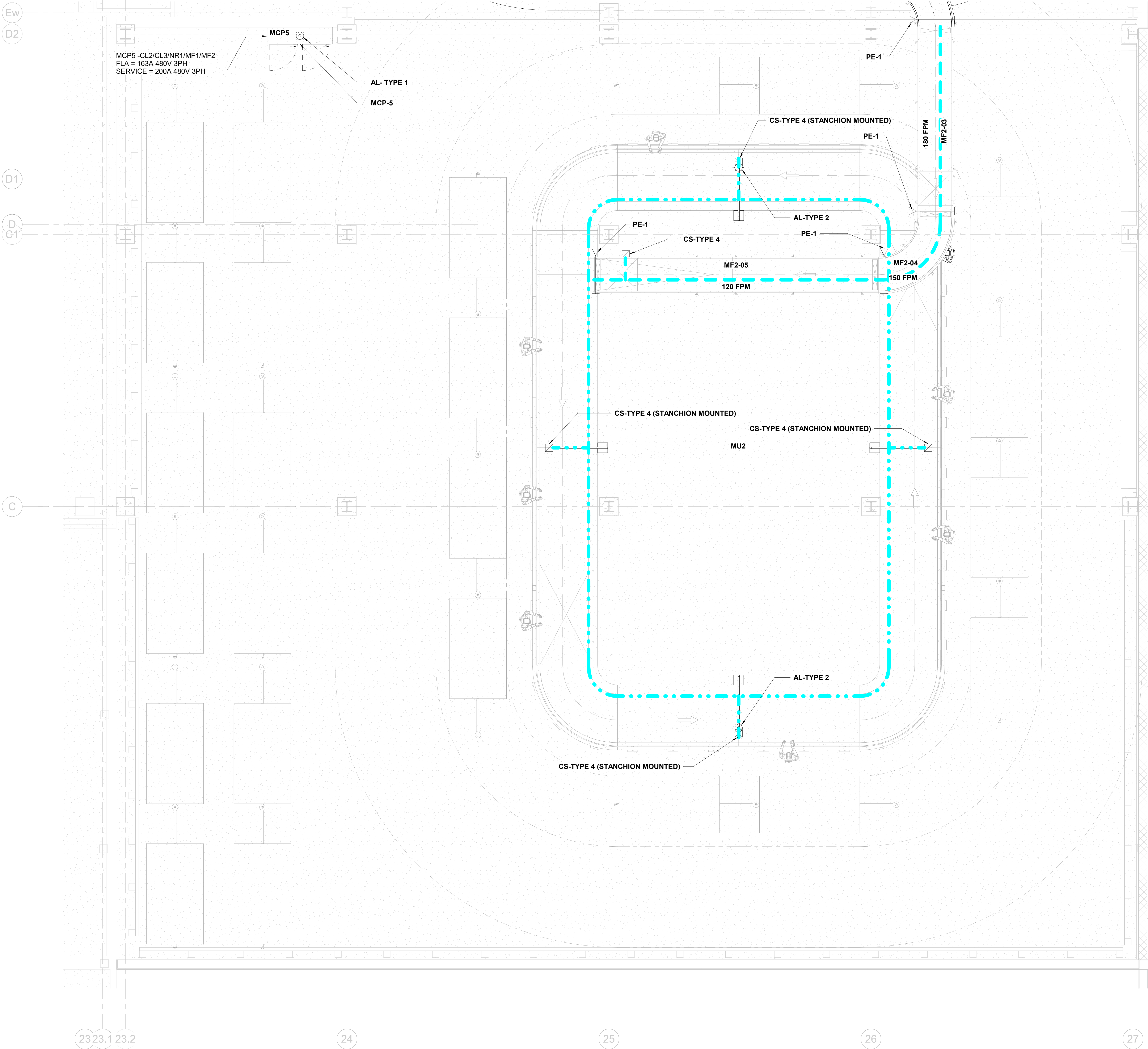
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**ELECTRICAL
PLAN VIEW -
CL2 CL3 AND
MF1**

SHEET NUMBER

BH5.1.01



LEGEND:

PE-1 CASCADE STOP/JAM PHOTOEYE
PE-2 DOOR OBSTRUCTION PHOTOEYE
PE-3 OVERHEIGHT DETECTION PHOTOEYE
PE-4 MERGE WINDOW PHOTOEYE
PE-5 DOOR OPEN PHOTOEYE
PE-6 DOOR CLOSED PHOTOEYE

CS-1 UNLOAD BELT CONTROL STATION
CS-2 LOAD BELT W/OS CONTROL STATION
CS-3 DOOR CONTROL STATION
CS-4 STANDARD CONVEYOR SONTROL STATION

LEGEND (SYMBOLS):

- PE (PHOTOEYE)
- PE (DOOR OPEN / CLOSE)
- CS (CONTROL STATION)
- MSD (MOTOR SAFETY DISCONNECT)
- LS (LIMIT SWITCH)
- ENC (SHAFT ENCODER)
- SACR (SECURITY ACCESS CARD READER)
- BEACON / AUDIBLE ALARM
- STANCHION MOUNTED

ESTOP ZONES:

- MF2 ESTOP (1)
- MU2 ESTOP (1)

GENERAL NOTES:

THE CONTRACTOR SHALL INSTALL A NEW REMOTE I/O AND POWER FEED MCP FOR THE NEW AND MODIFIED CONVEYORS.

CONTRACTOR SHALL INTEGRATE NEW MCP, FIELD DEVICES AND I/O INTO EXISTING PLC CONTROL SYSTEM.

THE CONTRACTOR SHALL UPDATE THE EXISTING MIS/MDS REPORTING AND GRAPHICS.

THE CONTRACTOR SHALL PROVIDE SOFTWARE OPERATOR INTERFACE TO ASSIGN CARRIERS TO MAKEUP UNITS.



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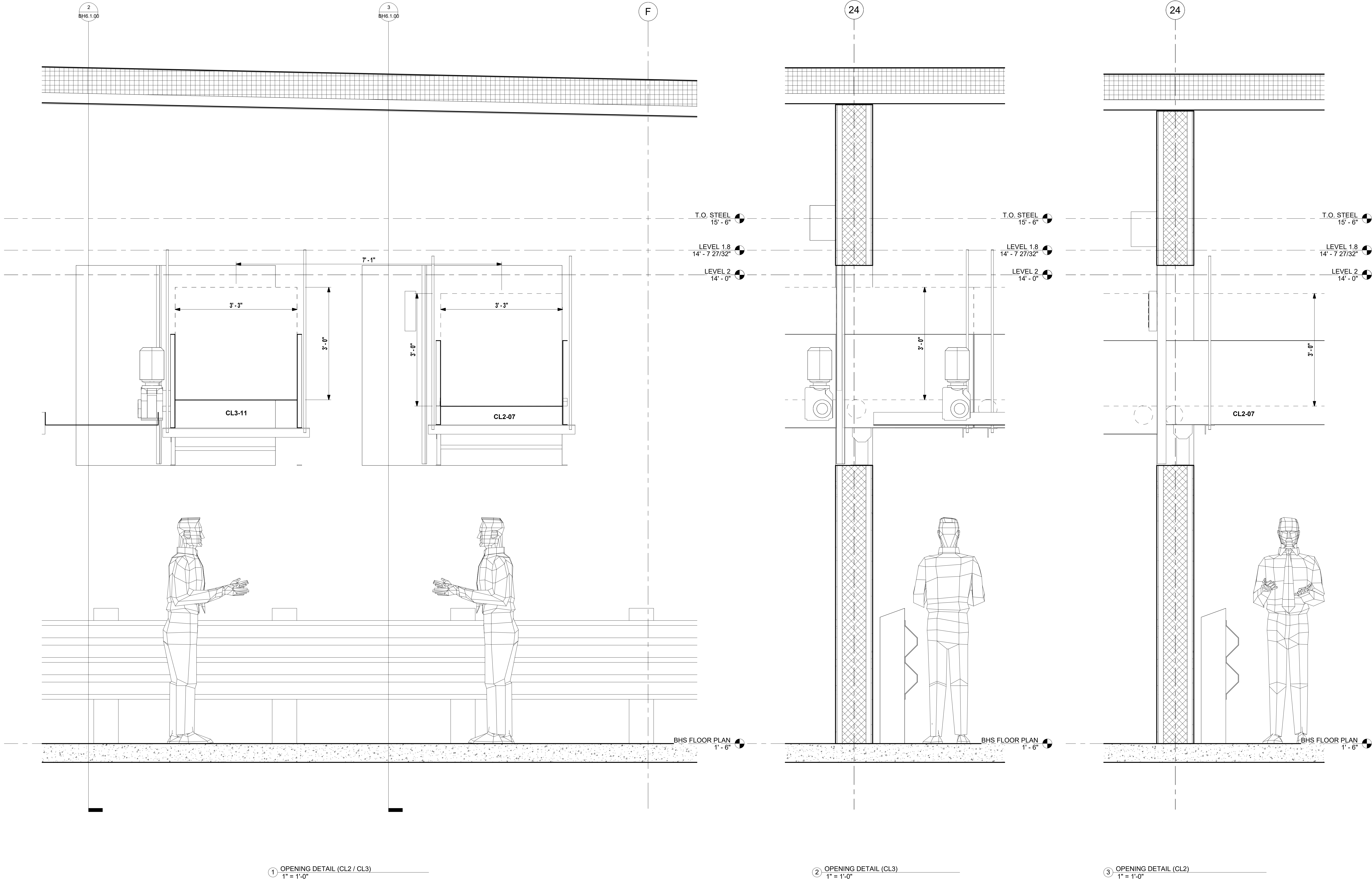
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**ELECTRICAL
PLAN VIEW -
MF2 AND
MU2**

SHEET NUMBER
BH5.1.02

5/8/2022 8:40:50 AM BIM 360://210115 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_EOP_BHS_R01.rvt



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& Associates**
470 County Road 448
Tavares, FL 32778
Office: 352-383-2600

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**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

6300 W Bay Pkwy,
Panama City, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

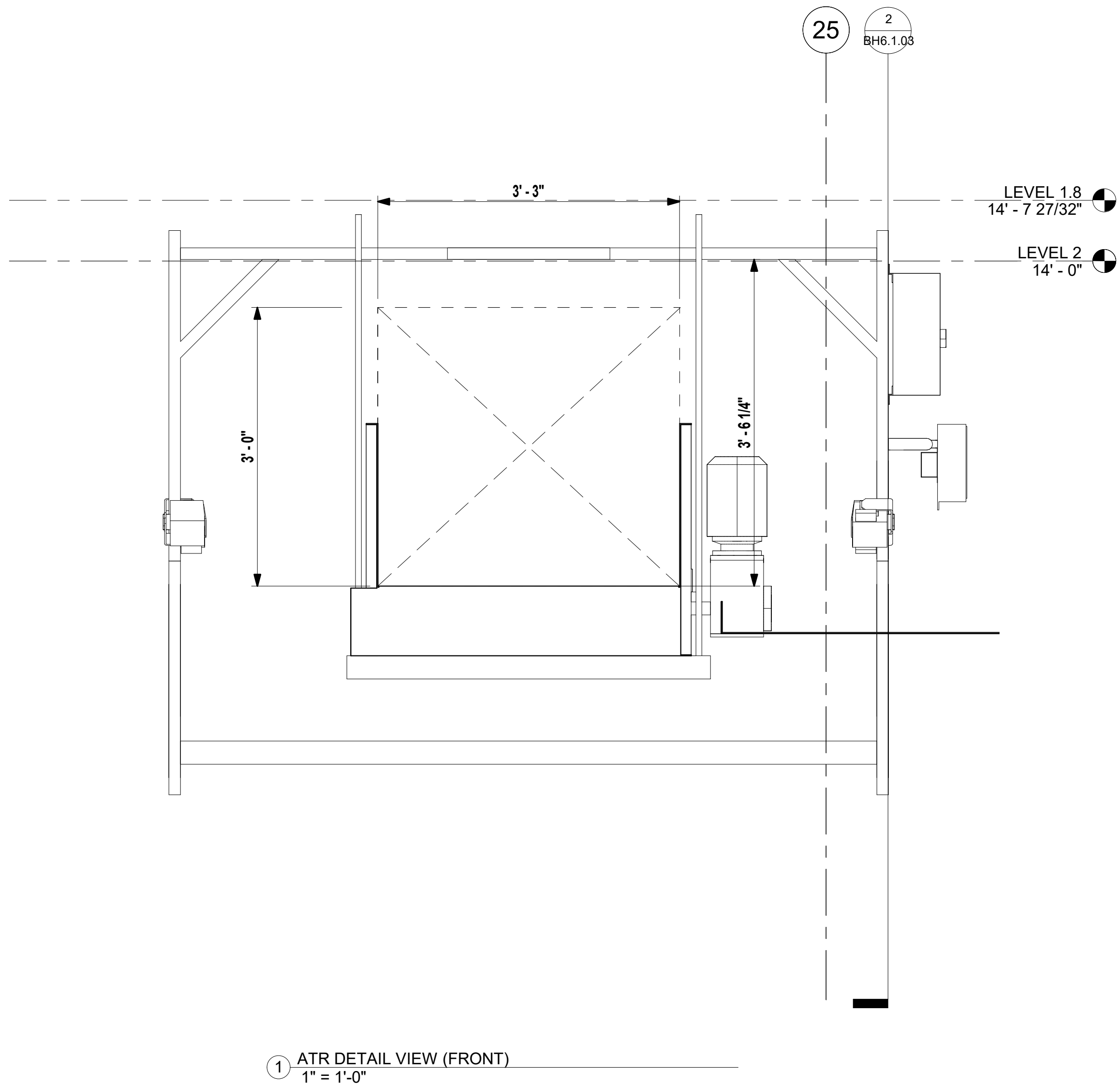
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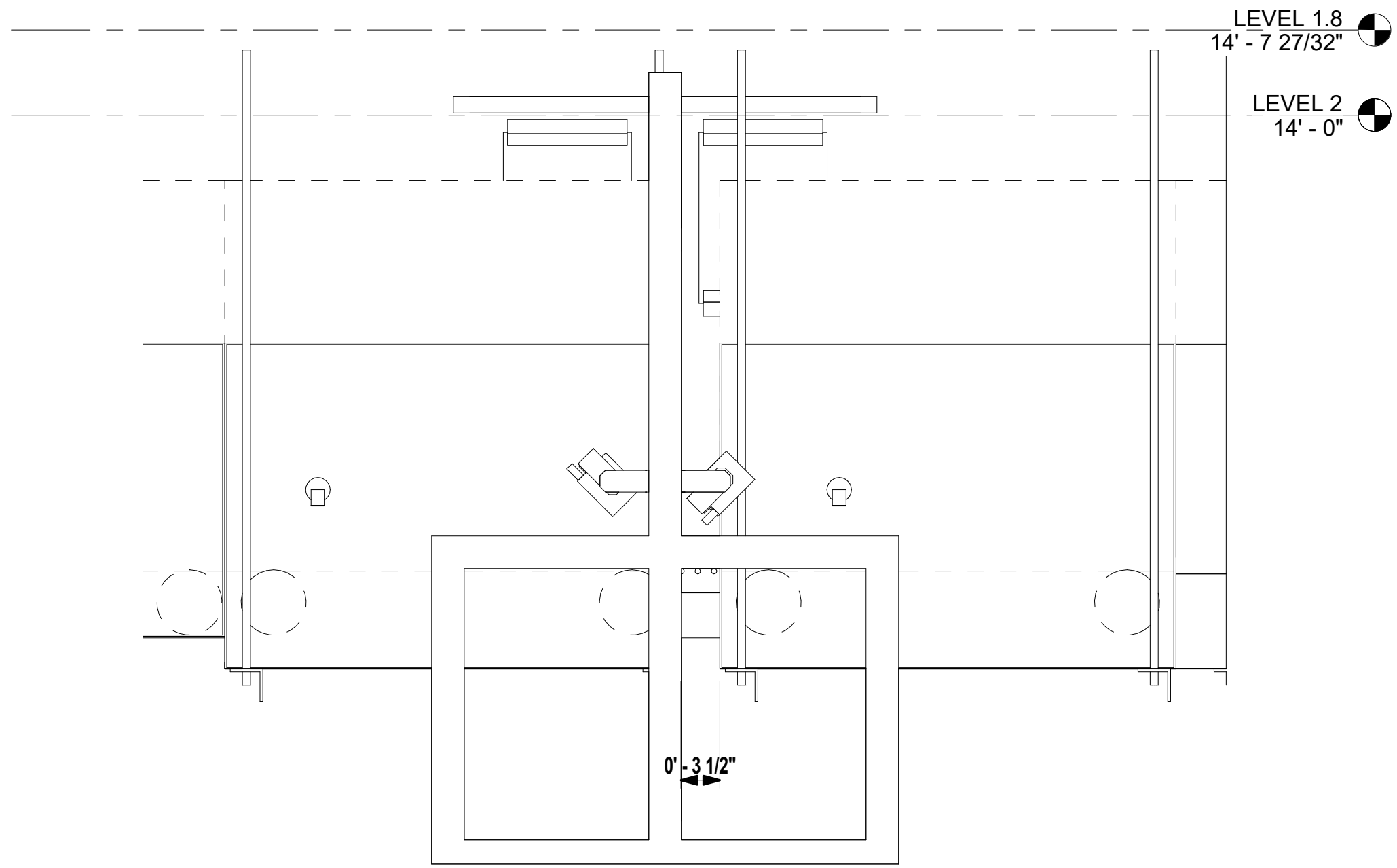
**SECTIONS
AND DETAILS
(MAKEUP
AREA
OPENINGS)**

SHEET NUMBER

BH6.1.00



① ATR DETAIL VIEW (FRONT)
1" = 1'-0"



② ATR DETAIL VIEW (SIDE)
1" = 1'-0"



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PROJECT TITLE

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BAGGAGE
EXPANSION**

**6300 W Bay Pkwy,
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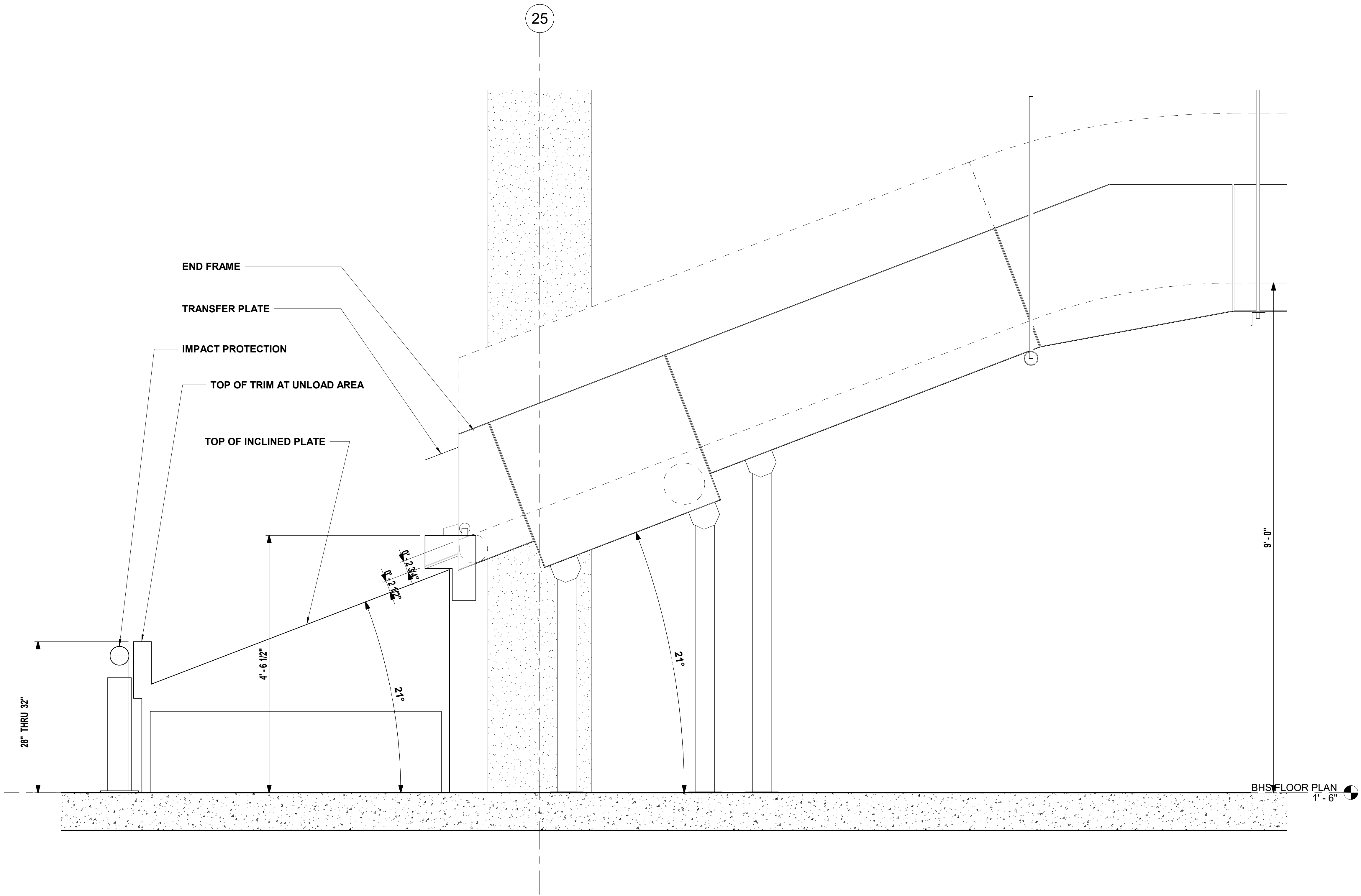
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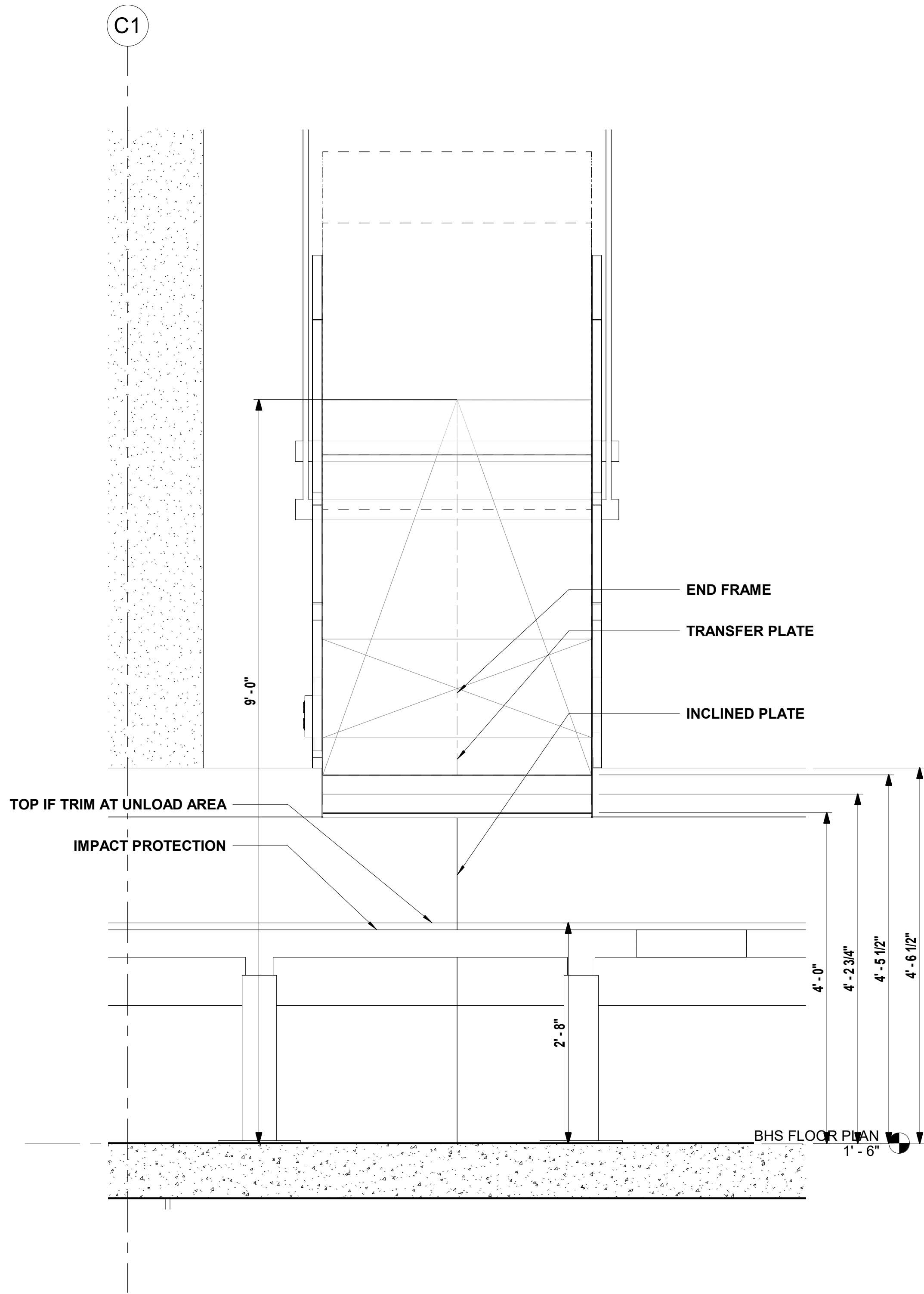
**SECTIONS
AND DETAILS
(ATR)**

SHEET NUMBER

BH6.1.01



① MAKEUP FEED DETAIL VIEW (SIDE)
1" = 1'-0"



② MAKEUP FEED DETAIL VIEW (FRONT)
1" = 1'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

**6300 W Bay Pkwy,
Panama City, FL 32409**

PROJECT NUMBER

NO. 210211

ISSUE DATE

05/10/2022

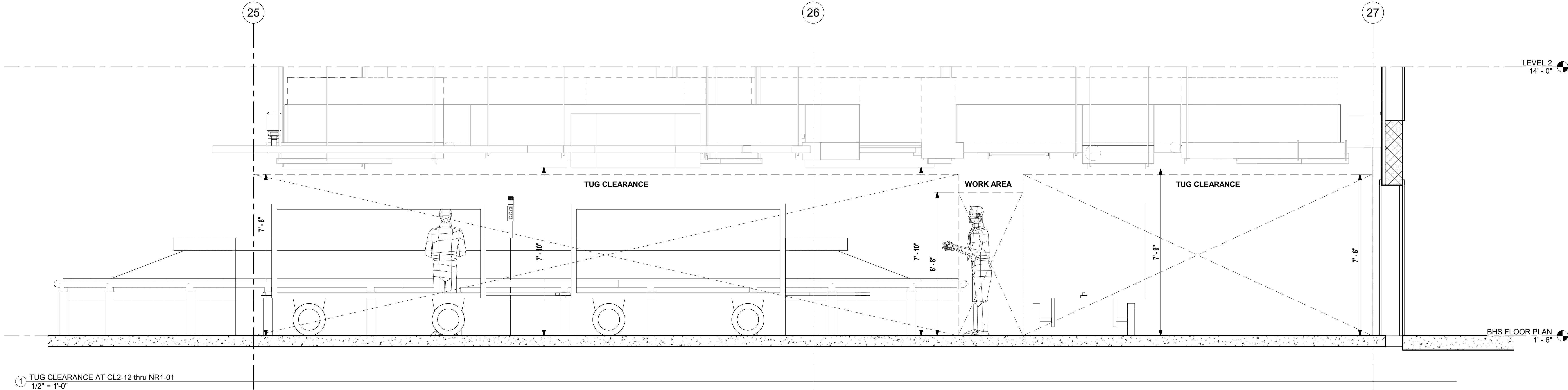
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**SECTIONS
AND DETAILS
(MAKEUP
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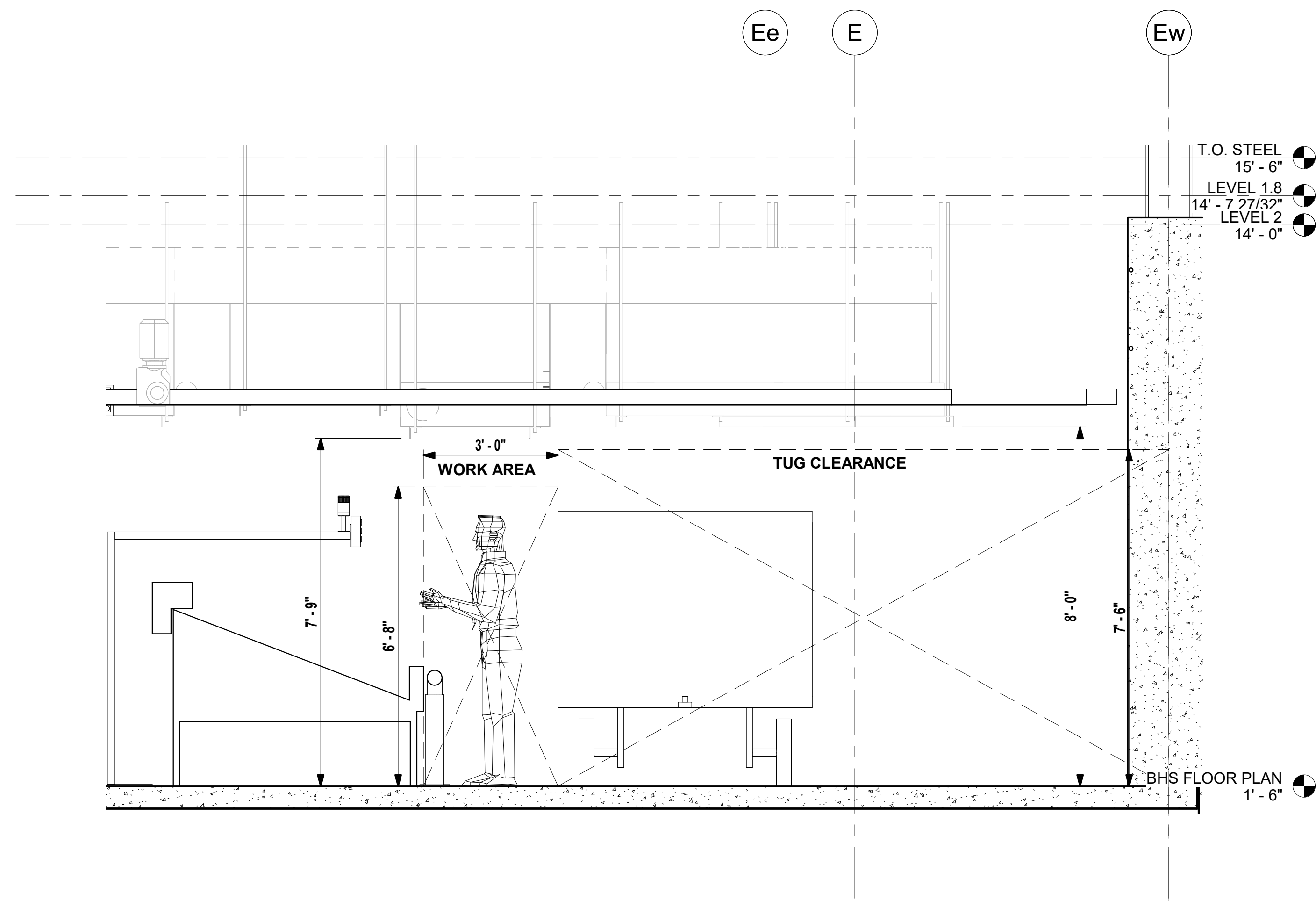
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BH6.1.02

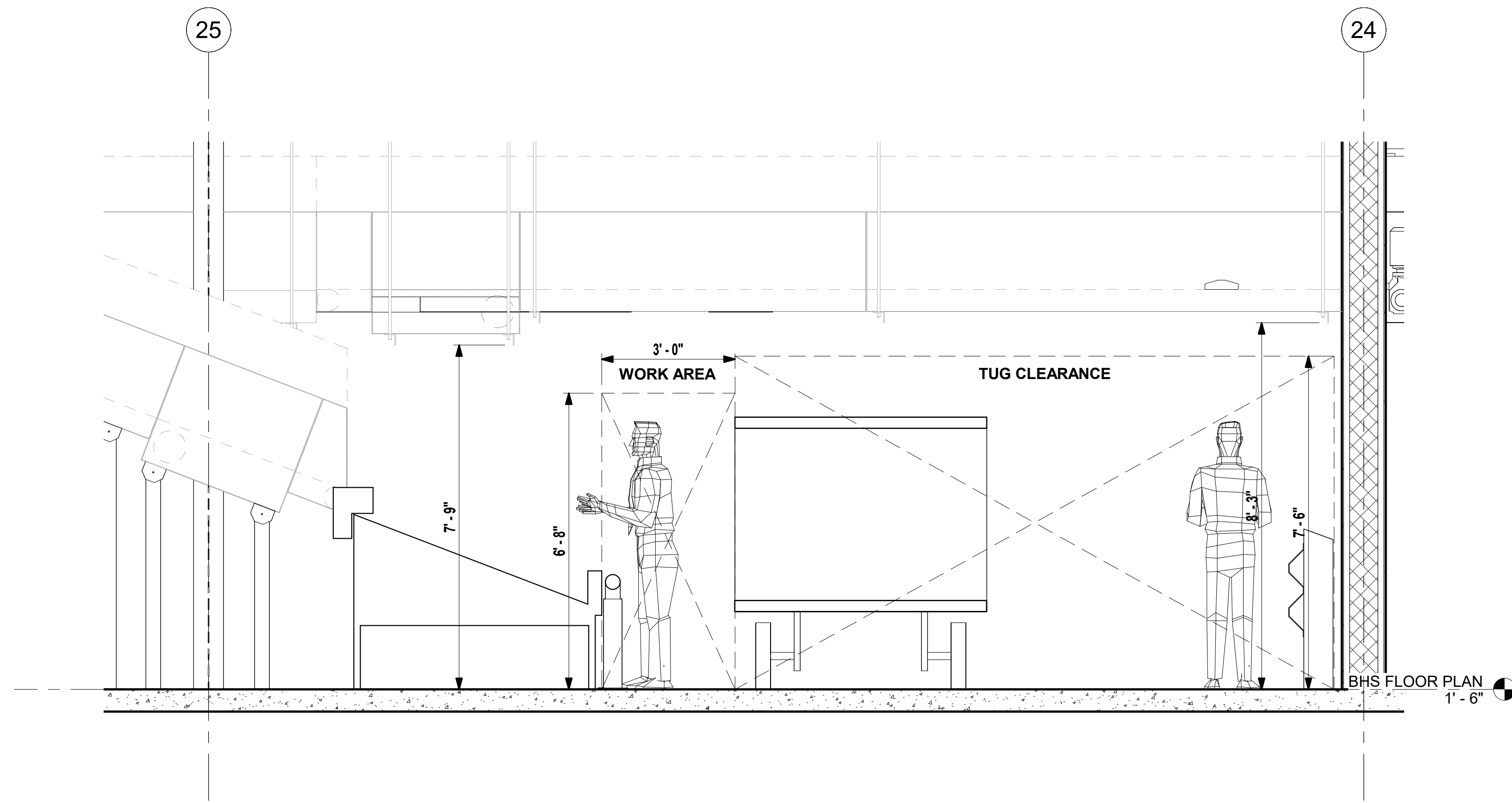
5/8/2022 8:40:54 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHS_R21.rvt



① TUG CLEARANCE AT CL2-12 thru NR1-01
1/2" = 1'-0"



② TUG CLEARANCE AT CL2-11 and CL2-12
1/2" = 1'-0"



③ TUG CLEARANCE AT CL2-07 and CL2-08
1/2" = 1'-0"



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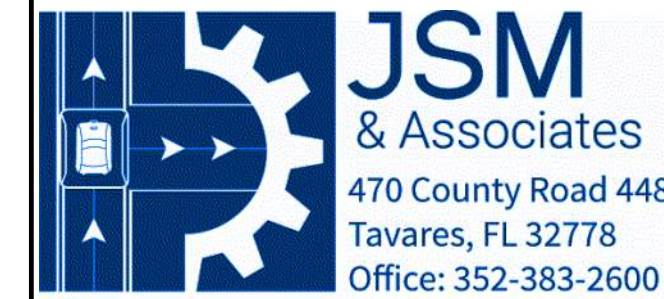
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PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

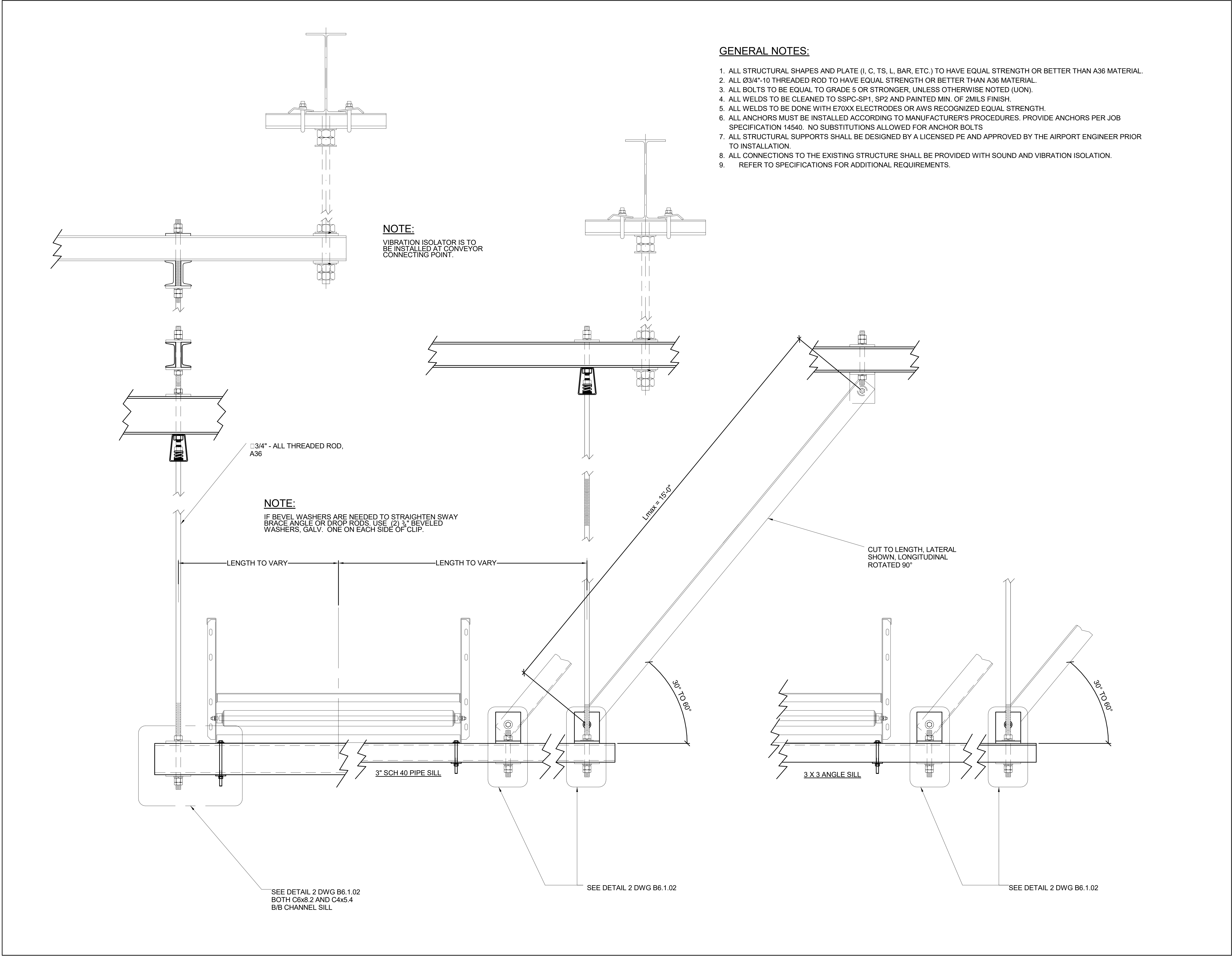
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PROJECT NUMBER
NO. 210211

ISSUE DATE
05/10/2022

SECTIONS AND DETAILS (TUG CLEARANCE AREAS)

SHEET NUMBER
BH6.1.03



GENERAL NOTES:

1. ALL STRUCTURAL SHAPES AND PLATE (I, C, TS, L, BAR, ETC.) TO HAVE EQUAL STRENGTH OR BETTER THAN A36 MATERIAL.
2. ALL Ø3/4"-10 THREADED ROD TO HAVE EQUAL STRENGTH OR BETTER THAN A36 MATERIAL.
3. ALL BOLTS TO BE EQUAL TO GRADE 5 OR STRONGER, UNLESS OTHERWISE NOTED (UON).
4. ALL WELDS TO BE CLEANED TO SSPC-SP1, SP2 AND PAINTED MIN. OF 2MILS FINISH.
5. ALL WELDS TO BE DONE WITH E70XX ELECTRODES OR AWS RECOGNIZED EQUAL STRENGTH.
6. ALL ANCHORS MUST BE INSTALLED ACCORDING TO MANUFACTURER'S PROCEDURES. PROVIDE ANCHORS PER JOB SPECIFICATION 14540. NO SUBSTITUTIONS ALLOWED FOR ANCHOR BOLTS
7. ALL STRUCTURAL SUPPORTS SHALL BE DESIGNED BY A LICENSED PE AND APPROVED BY THE AIRPORT ENGINEER PRIOR TO INSTALLATION.
8. ALL CONNECTIONS TO THE EXISTING STRUCTURE SHALL BE PROVIDED WITH SOUND AND VIBRATION ISOLATION.
9. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE:

VIBRATION ISOLATOR IS TO BE INSTALLED AT CONVEYOR CONNECTING POINT.

NOTE:

IF BEVEL WASHERS ARE NEEDED TO STRAIGHTEN SWAY BRACE ANGLE OR DROP RODS, USE (2) 3" BEVELED WASHERS, GALV. ONE ON EACH SIDE OF CLIP.

1 STANDARD SUPPORT HANGERS (01)
12" = 1'-0"



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PANAMA CITY AIRPORT NWFBA:

**OUTBOUND
BAGGAGE
EXPANSION**

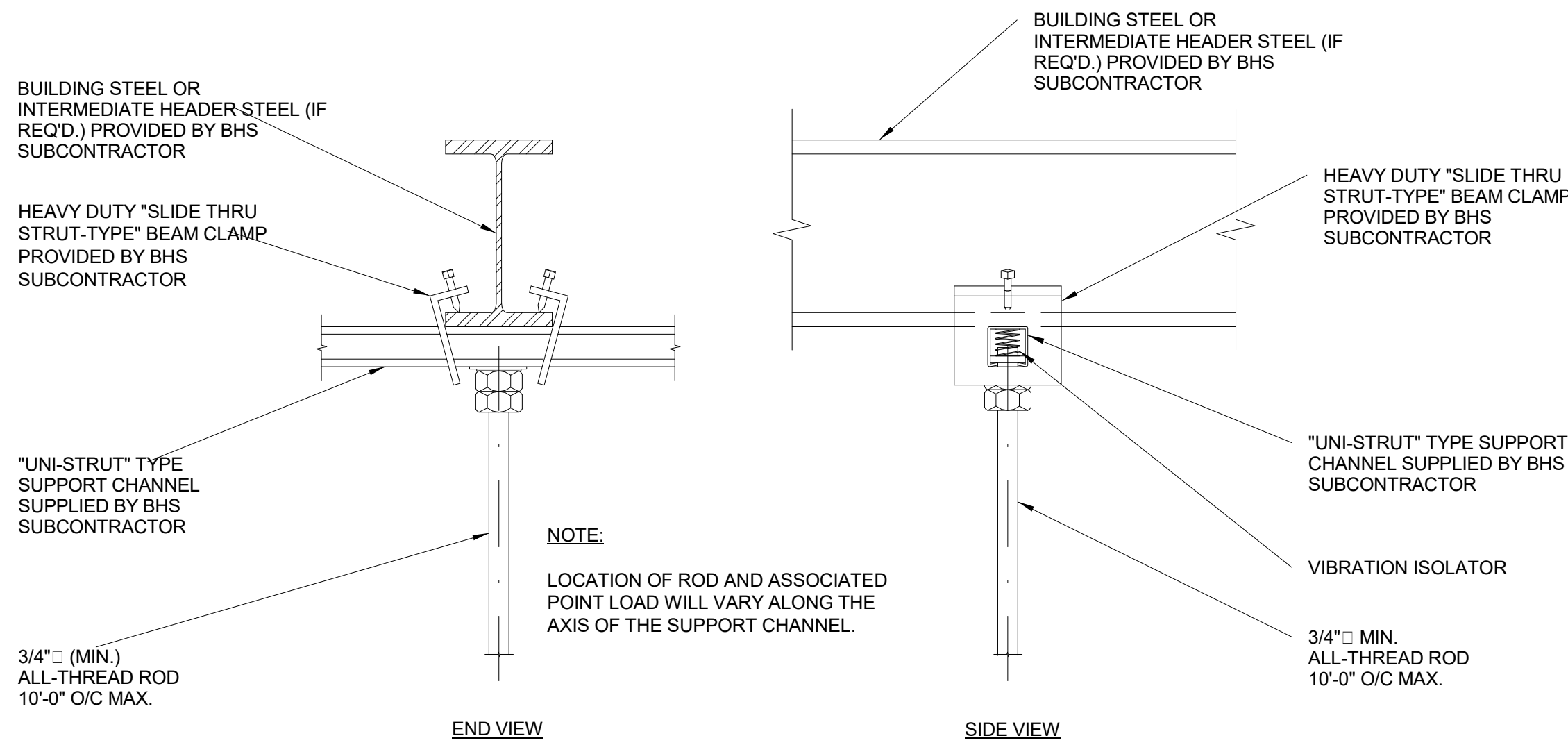
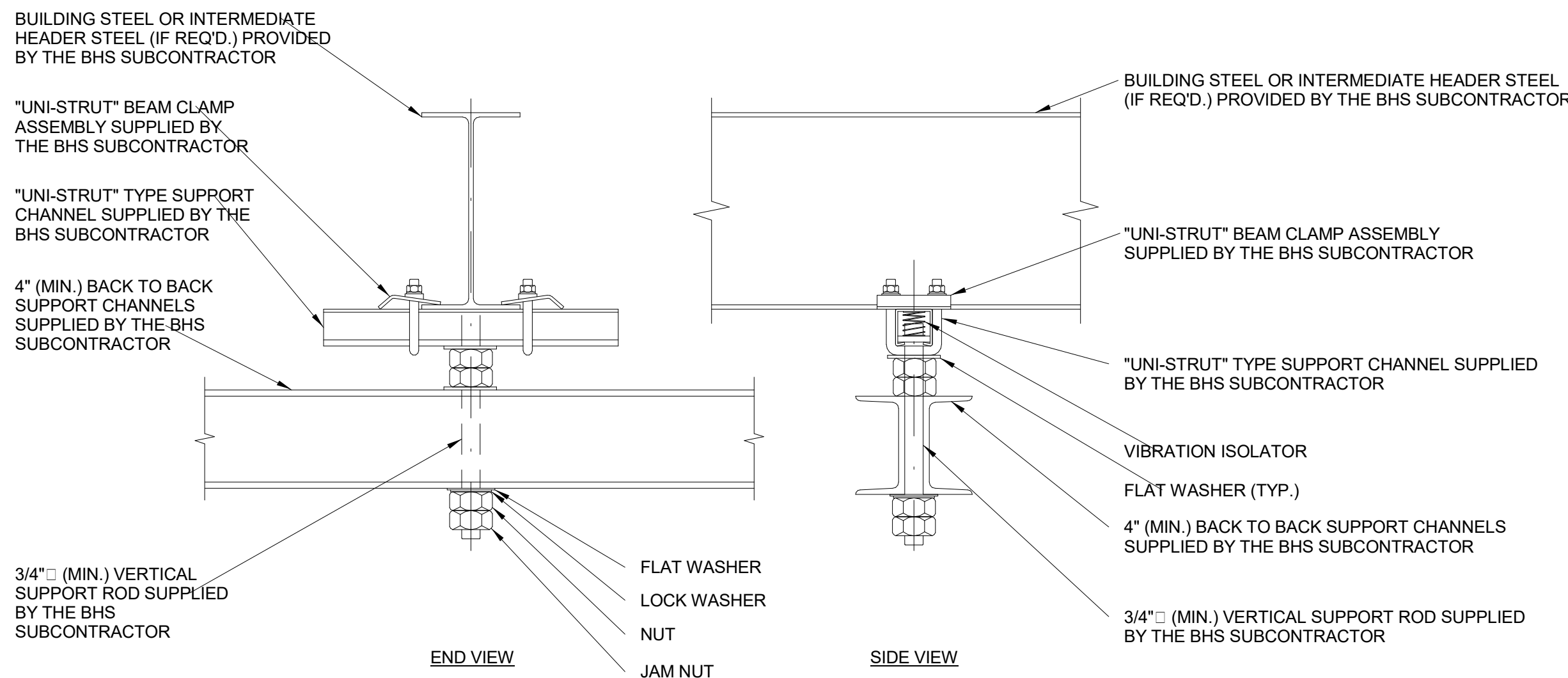
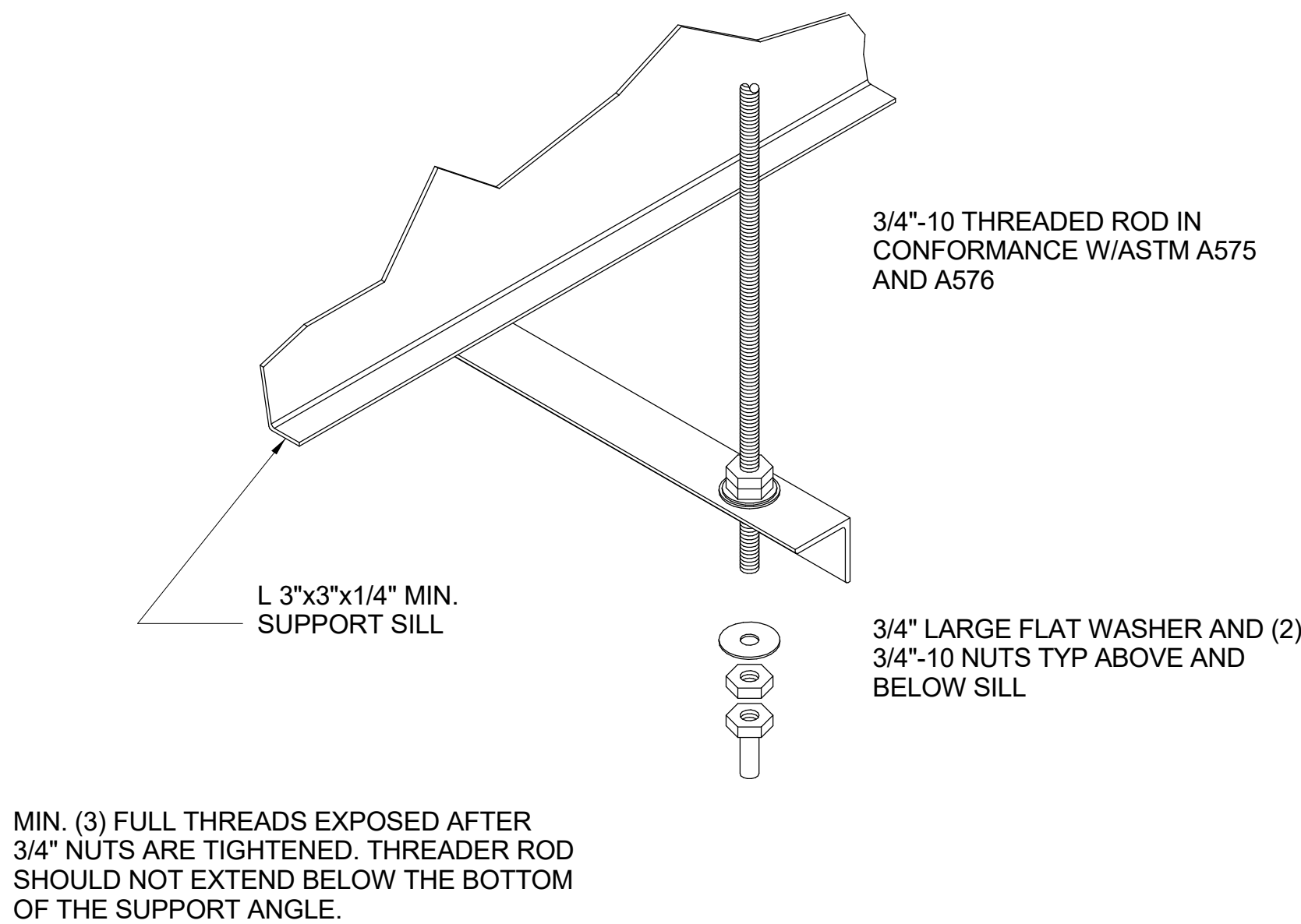
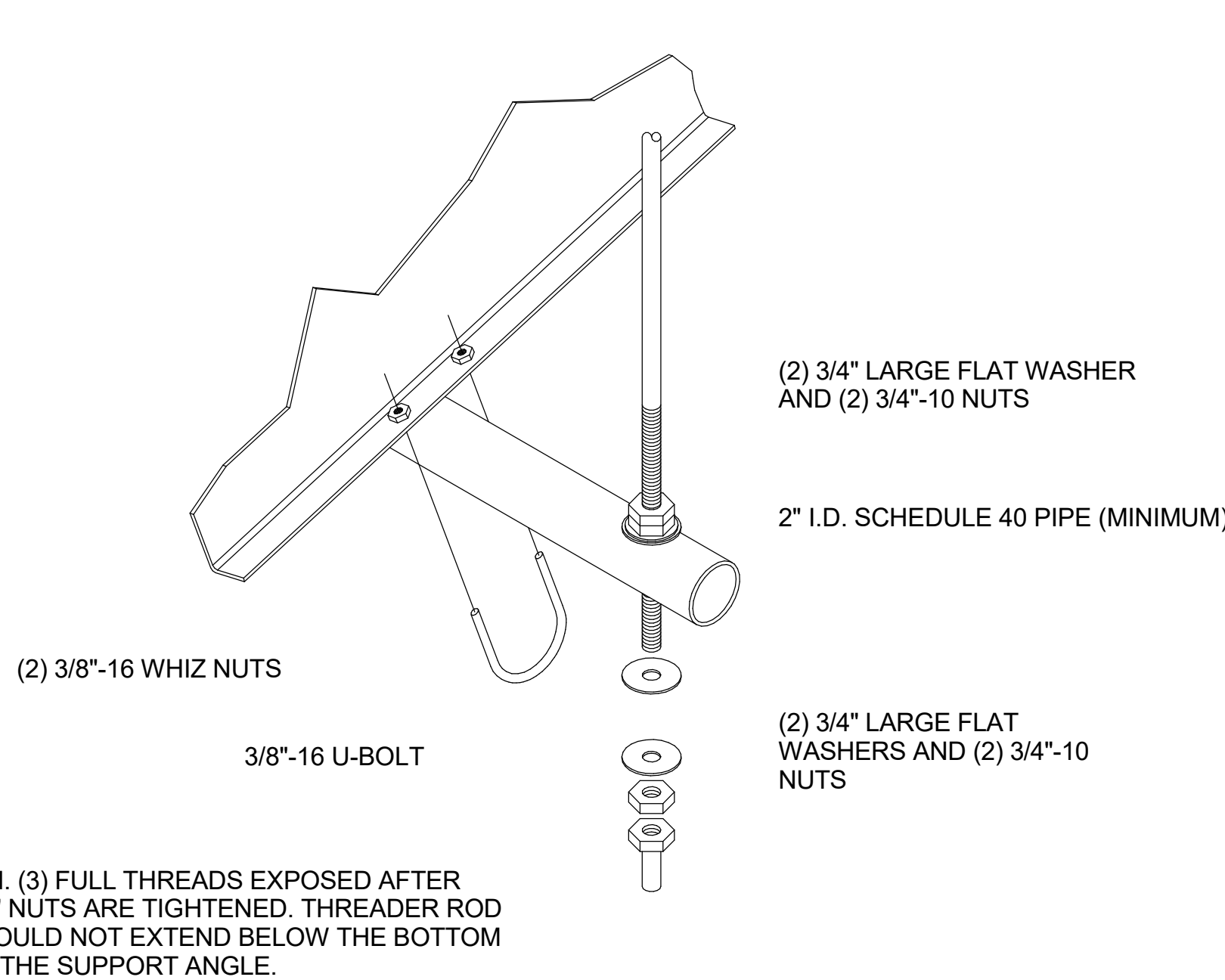
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PROJECT NUMBER
NO. 210211

ISSUE DATE
05/10/2022

**SECTIONS
AND DETAILS
(SUPPORT
HANGERS)**

SHEET NUMBER
BH6.1.04



1 STANDARD SUPPORT HANGERS (02)
12" = 1'-0"



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PROJECT TITLE

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OUTBOUND BAGGAGE EXPANSION

**6300 W Bay Pkwy,
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PROJECT NUMBER

NO. 210211

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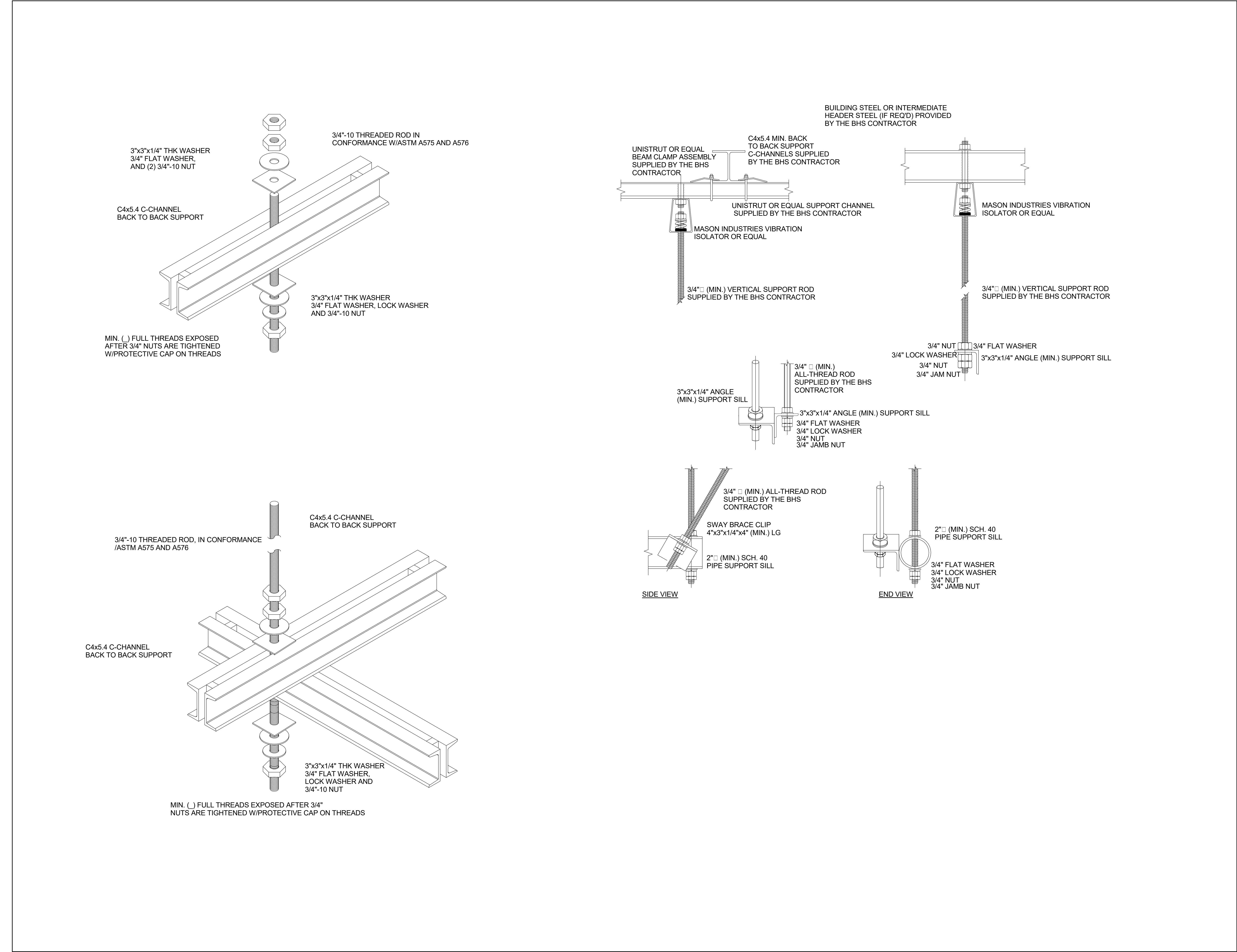
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SECTIONS AND DETAILS (SUPPORT HANGERS)

SHEET NUMBER

BH6.1.05



① STANDARD SUPPORT HANGERS (03)
12" = 1'-0"



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PROJECT TITLE
PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

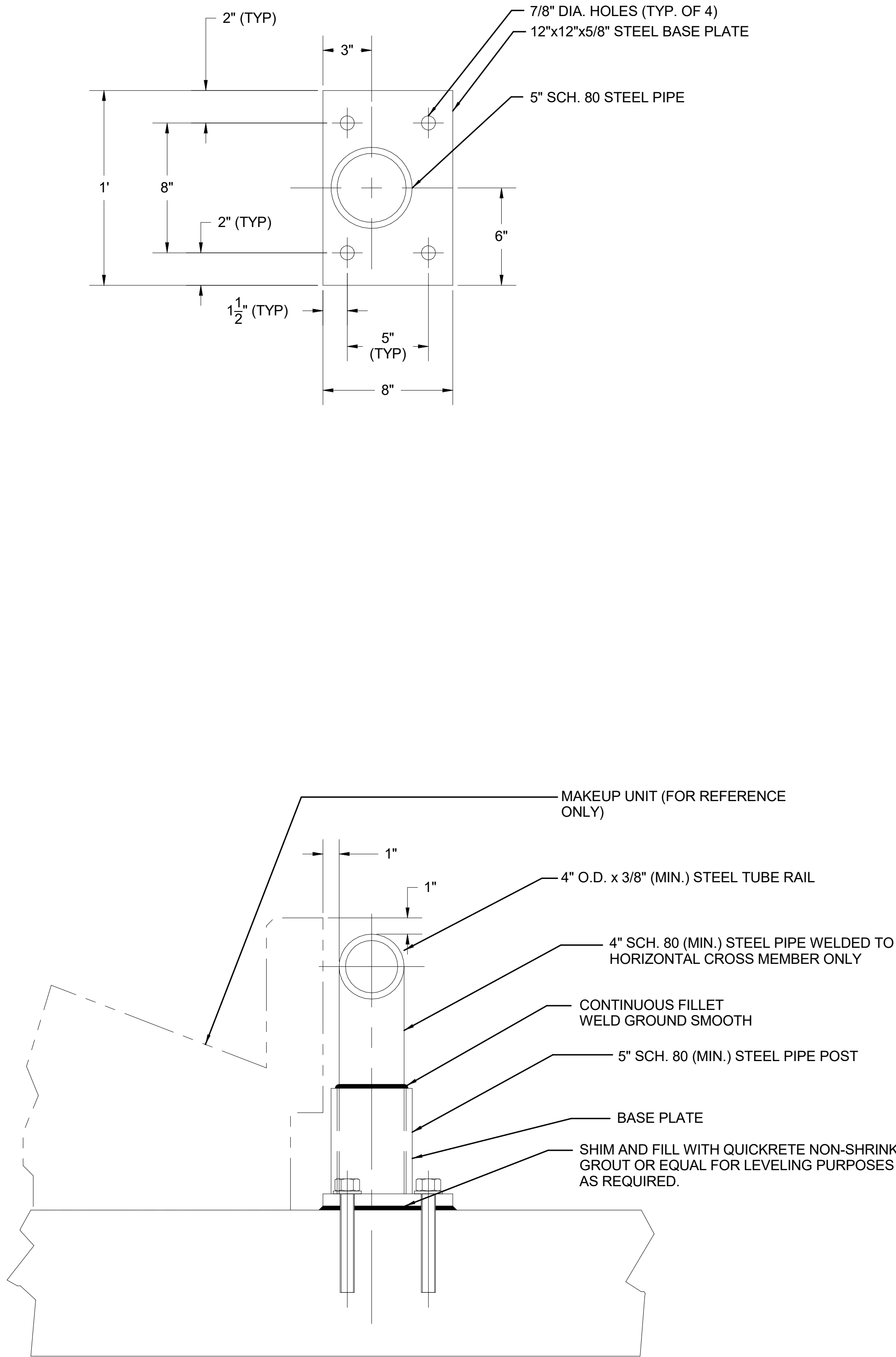
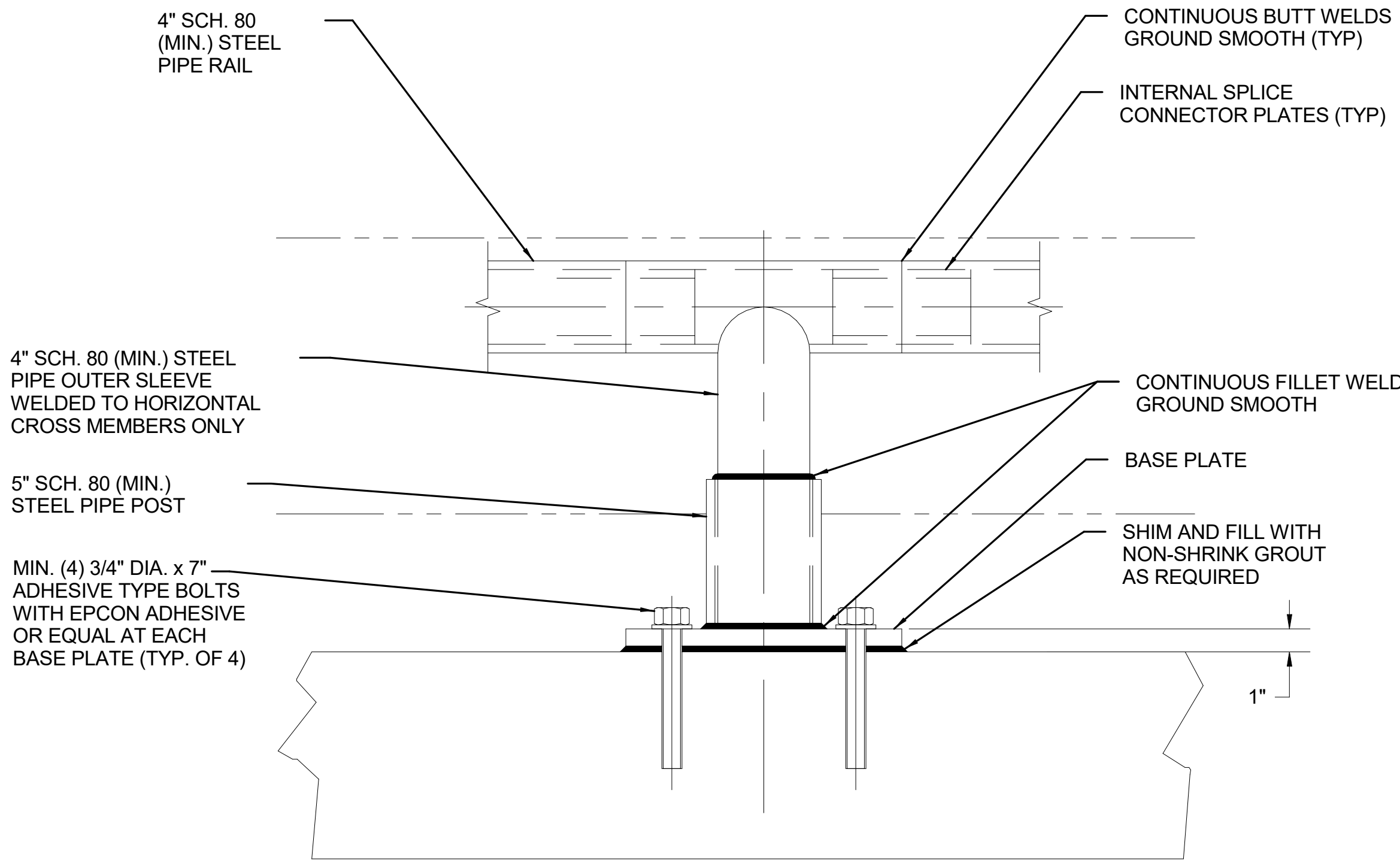
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NO. 210211
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SECTIONS AND DETAILS (SUPPORT HANGERS)

SHEET NUMBER
BH6.1.06

① IMPACT PROTECTION
12" = 1'-0"



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SECTIONS AND DETAILS (IMPACT PROTECTION)

SHEET NUMBER

BH6.1.07

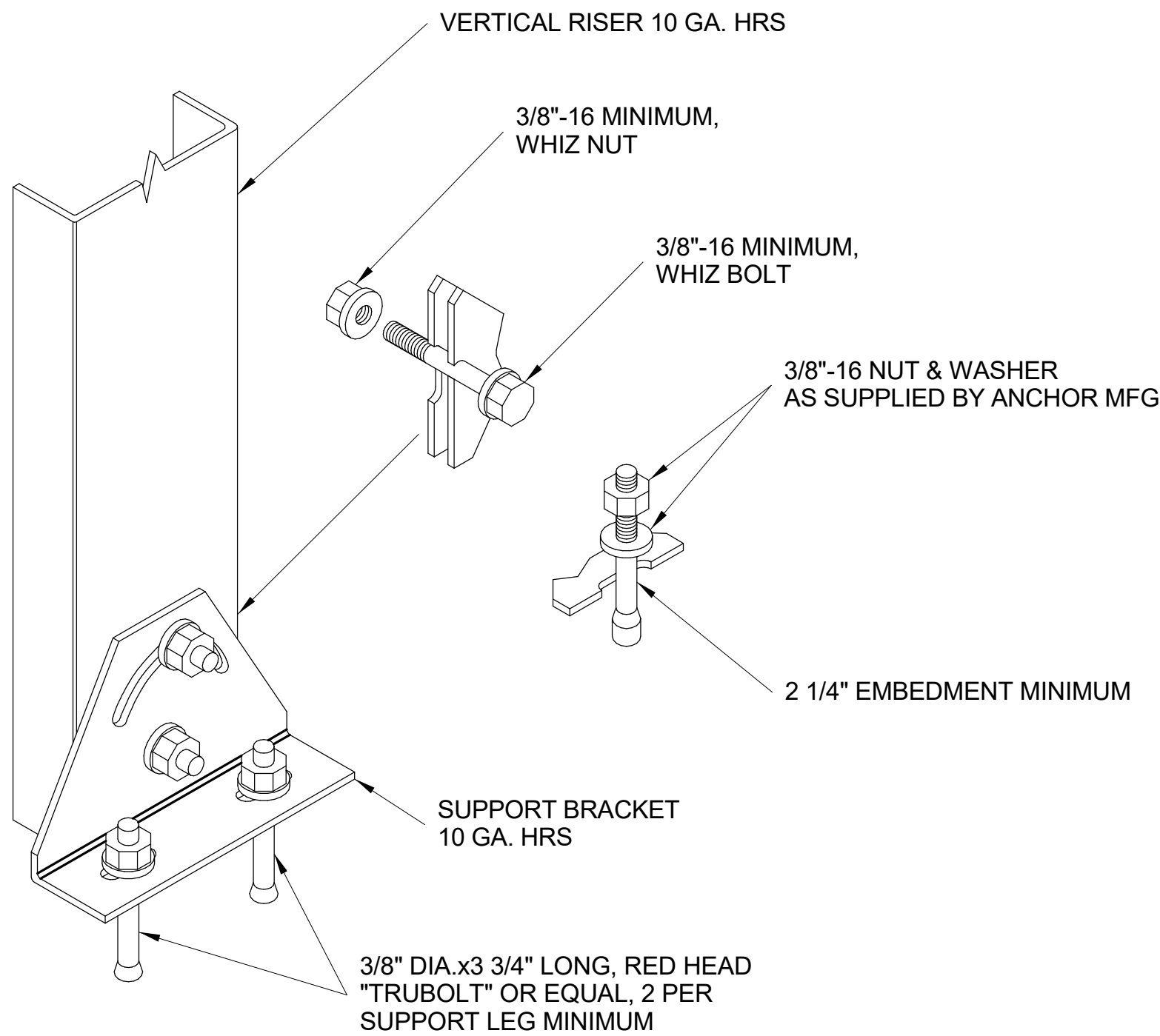
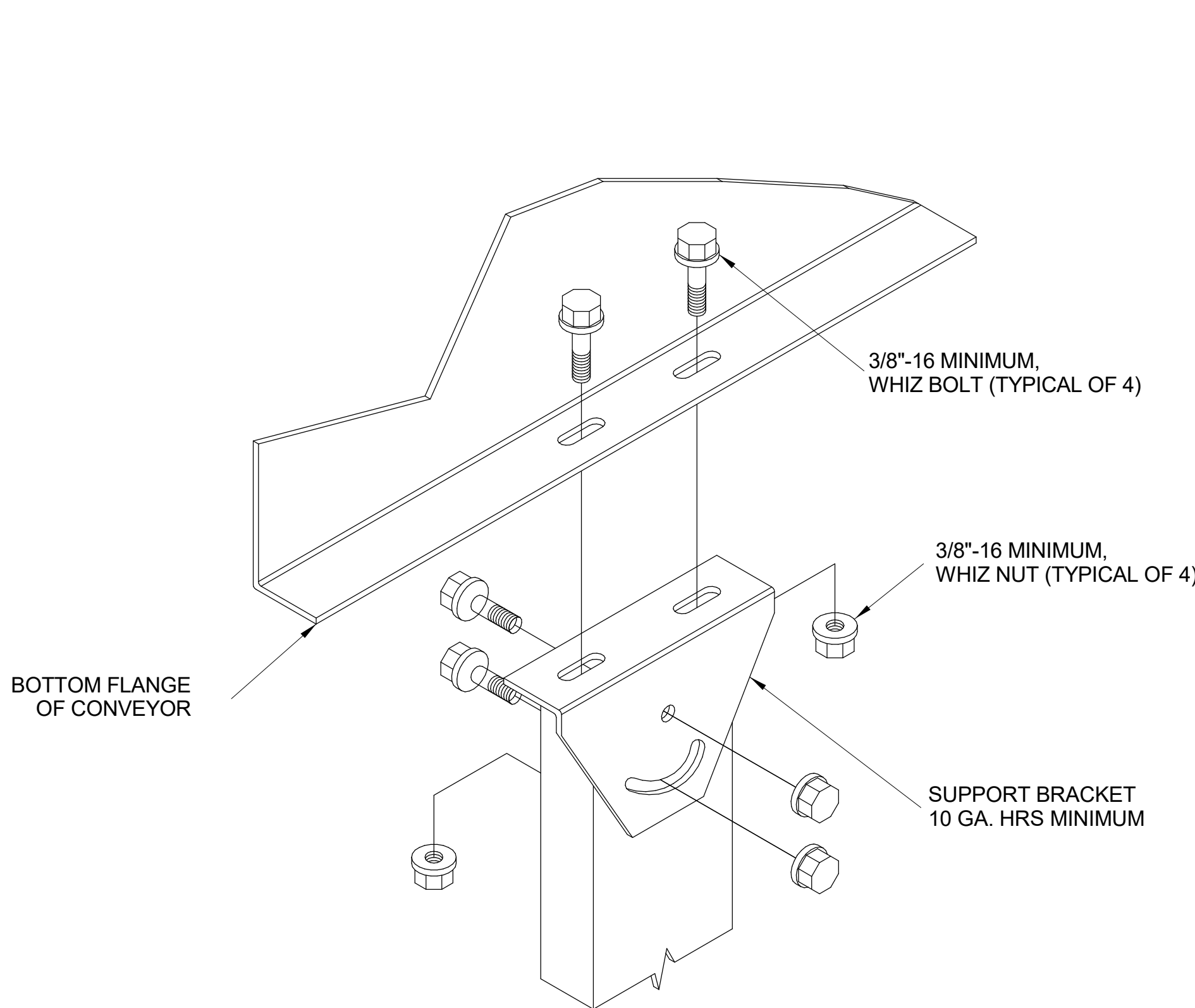
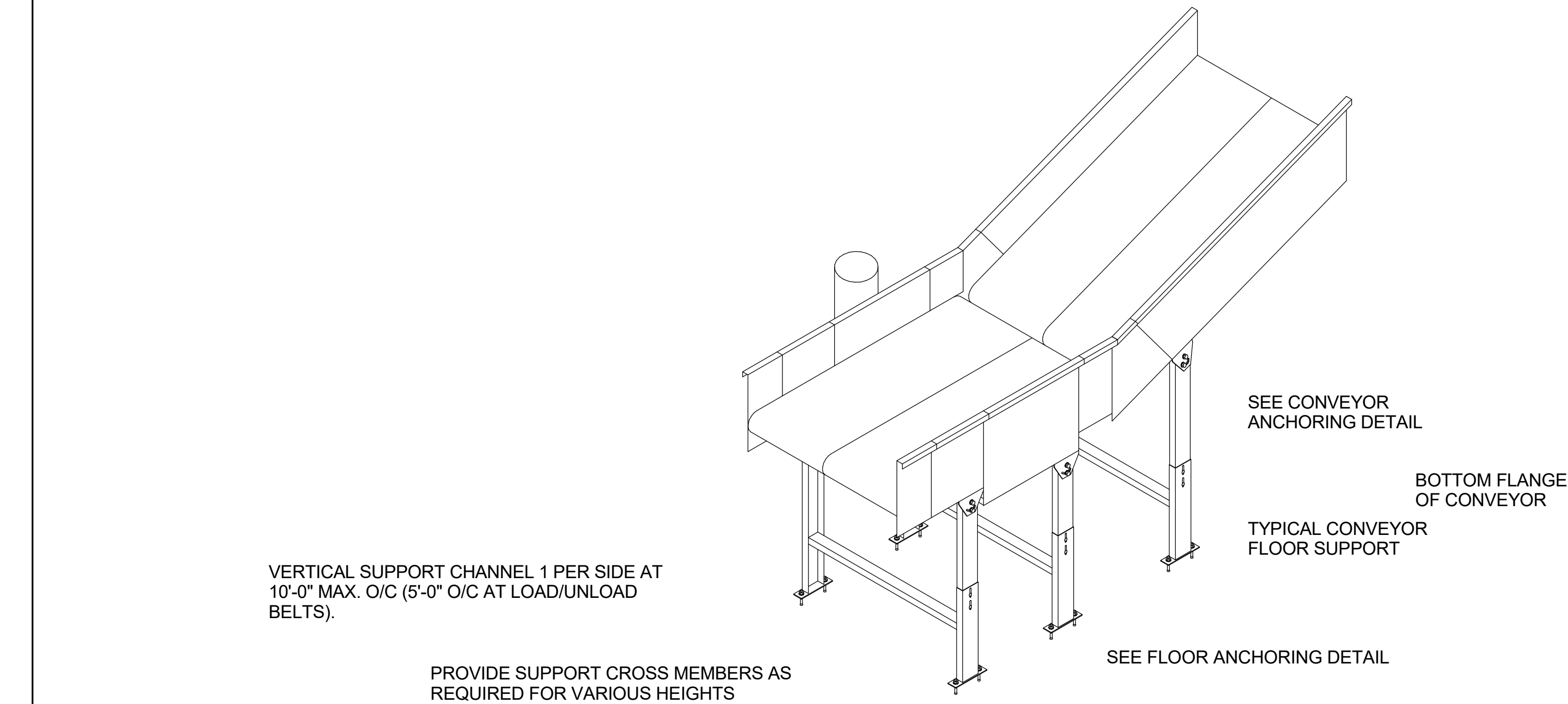
GENERAL NOTES

1. CONNECT THE CONVEYORS TO NEW STEEL FRAME AREAS BY MEANS OF BEAM CLAMPS SIZED FOR THE BOTTOM FLANGE OF THE BEAM USE A 5/8" DIA. ROD BEAM CLAMP.

2. CONNECTING TO THE EXISTING CONCRETE STRUCTURE USING EITHER A HILTI "KWIK BOLT" OR RAWLING "RAWL-STUD" AS FOLLOWS:

- 1000 LBS LOAD - USE 3/8" DIA. (MIN.) WITH 2 1/2" (MIN.) EMBEDMENT
- 1500 LBS LOAD - USE 1/2" DIA. (MIN.) WITH 3 1/2" (MIN.) EMBEDMENT
- 2000 LBS LOAD - USE 5/8" DIA. (MIN.) WITH 4" (MIN.) EMBEDMENT

ALL WITH A MIN. SPACING OF 12"



1 FLOOR SUPPORTS
12" = 1'-0"



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PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND
BAGGAGE
EXPANSION

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PROJECT NUMBER

NO. 210211

ISSUE DATE

05/10/2022

DRAWING TITLE

SECTIONS
AND DETAILS
(FLOOR
SUPPORTS)

SHEET NUMBER

BH6.1.08

BAGGAGE CONVEYOR LOADS:

1. THE CONVEYOR ATTACHMENT METHODS REPRESENTED ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE BAGGAGE HANDLING SYSTEM CONTRACTOR IS REQUIRED TO SUBMIT CONVEYOR ATTACHMENT DETAILS INCLUDING LOADING CALCULATIONS BY A REGISTERED PROFESSIONAL ENGINEER TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
2. ALL STRUCTURAL DESIGNS AND ATTACHMENTS SHALL COMPLY WITH ALL STATE, LOCAL AND NATIONAL GOVERNING CODES AND REGULATIONS. ALL CONVEYOR EQUIPMENT SHALL BE CAPABLE OF SUPPORTING A SINGLE CONCENTRATED LOAD OF 250 LBS.
3. THE CONTRACTOR SHALL INCLUDE VIBRATION ISOLATORS AS PART OF THE BASE BID. THE CONTRACTOR SHALL IDENTIFY A UNIT COST TO ADD INDIVIDUAL VIBRATION ISOLATORS TO SELECTED CONVEYORS DURING THE ENGINEERING PHASE. THE LIVE LOAD TO BE UTILIZED FOR SIZING DRIVES, BELTS, BEARINGS, ETC., SHALL BE 60 LBS/LIN. FT. FOR LOAD-ACCUMULATING, INDEXING AND RUN-OUT CONVEYORS, 40 LBS/LIN FT. AT A CONVEYOR SPEED OF 90 FPM ADJUSTED PROPORTIONAL TO SPEED OF ALL OTHER CONVEYORS WITH RESPECT TO FLOW RATE. NO VIBRATION ISOLATORS ON MERGES.

BHS SUPPORT ATTACHMENT:

1. WHEN CONNECTING TO BUILDING STEEL, USE BEAM CLAMPS SIZED FOR THE BOTTOM FLANGE OF THE BEAM. USE A (MIN.) 3/4" DIA. THREADED ROD FOR HANGING SUPPORT.
2. WHEN CONNECTING TO THE CONCRETE STRUCTURE, USE EITHER A HILTI "KWIK BOLT" OR RAWLING "RAWL-STUD" IN SHEAR. FOLLOWS: 1000 LBS LOAD, USE MIN. 3/8" DIA. WITH 2-1/2" EMBEDMENT (MIN); 1500 LBS LOAD, USE MIN. 1/2" DIA. WITH 3-1/2" EMBEDMENT (MIN); 2000 LBS LOAD USE MIN. 5/8" DIA. WITH 4" EMBEDMENT (MIN). SPACING 4" WITH 8" EDGE DISTANCE. USE ONLY THE TOP 1/3 SECTION WHEN ATTACHING TO ANY OF THE CONCRETE STRUCTURES.

MAINTENANCE PLATFORM GENERAL NOTES:

1. THE MAINTENANCE PLATFORMS AND WALKWAYS THAT ARE SHOWN ON THESE DRAWINGS ARE INTENDED FOR REFERENCE AS TYPICAL EXAMPLES OF WHERE PLATFORMS AND WALKWAYS ARE TO BE PROVIDED AND THE APPROXIMATE CONFIGURATION.
2. PROVIDE AND INSTALL MAINTENANCE PLATFORMS FOR MAINTENANCE PERSONNEL ACCESS TO THE ENTIRE BAGGAGE HANDLING SYSTEM AT ALL MAINTENANCE POINTS AND POTENTIAL BAGGAGE JAM LOCATIONS. PROVIDE AND INSTALL LADDERS TO ALLOW ACCESS TO ALL PLATFORMS.
3. SYSTEM MAINTENANCE AND POTENTIAL BAG JAM LOCATIONS INCLUDE BUT ARE NOT LIMITED TO:
 - a. MOTOR/DRIVE LOCATIONS
 - b. BAG DIMENSION DEVICES
 - c. TAG READER ARRAYS
 - d. ENTRANCE, EXIT AND DRIVE LOCATIONS ON POWER TURNS
4. SEE SPECIFICATIONS FOR MAINTENANCE PLATFORMS AND WALKWAYS REQUIREMENTS AND CRITERIA.

LOADING DIAGRAM NOTES:

1. FOR DESIGN PURPOSES, THE FOLLOWING LOADS WERE SUPPLIED TO THE STRUCTURAL ENGINEER, FOR USE IN DETERMINING THE LOADS (STATIC AND DYNAMIC COMBINES) GENERATED BY THE CONVEYOR EQUIPMENT. DURING THE BIDDING PERIOD, PROVIDE AND IDENTIFY ANY CONVEYOR EQUIPMENT LOADING REQUIREMENTS MORE STRINGENT THAN WHAT IS SHOWN IN THESE DOCUMENTS THAT MAY AFFECT EQUIPMENT CONNECTIONS TO THE BUILDING STRUCTURE.

STANDARD CONVEYOR BED SECTION	100 LBS/LIN. FT.
OS CONVEYOR BED SECTION AND MERGES	150 LBS/LIN. FT.
CONVEYOR DRIVE	1000 LBS EA.
MINI CONVEYOR DRIVE	850 LBS EA.
POWER TURN 45°	925 LBS EA.
POWER TURN 90°	1300 LBS EA.
POWER TURN 180°	2500 LBS EA.
PLATFORM	65 LBS/SQ FT.
MAKE-UP DEVICE	200 LBS/LIN. FT.

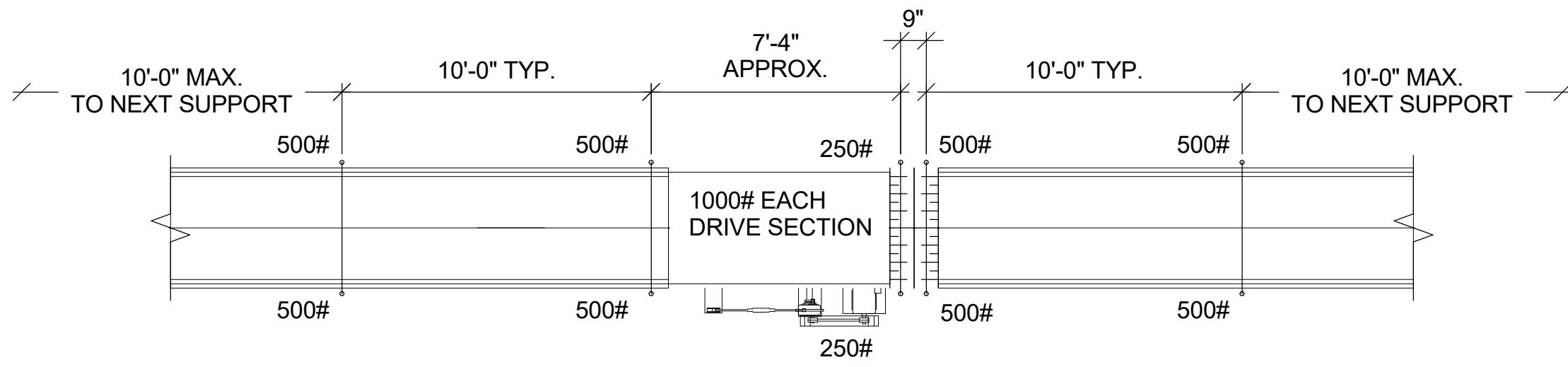
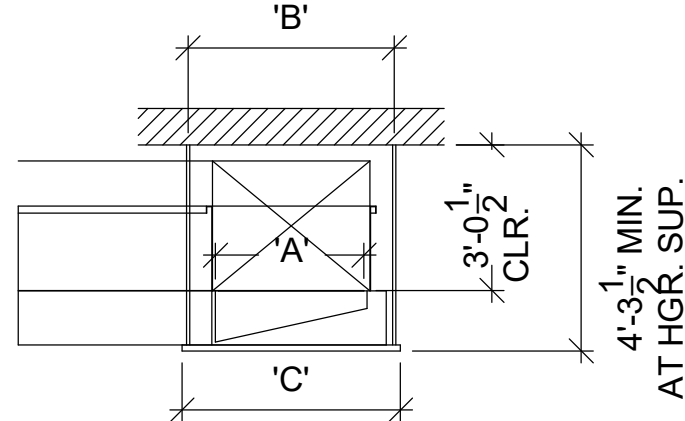
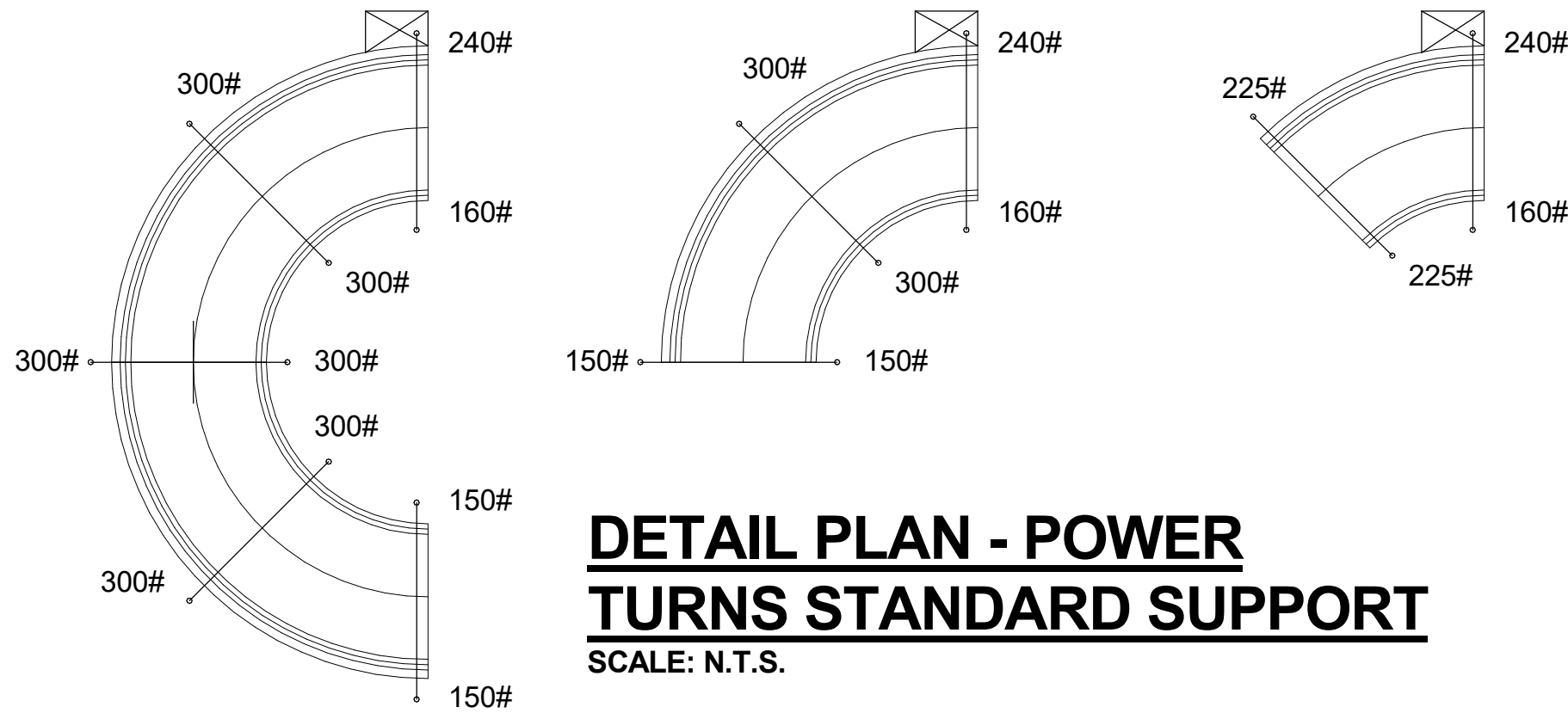
2. THE CONVEYOR SUPPORT POINT LOADING PLACEMENT AND CONFIGURATION SHOWN IS REPRESENTATIVE OF ONE POSSIBLE CONFIGURATION. THIS DIAGRAMMATIC VIEW IS PROVIDED FOR USE BY THE STRUCTURAL ENGINEER IN DETERMINING ALL LOADS IMPOSED BY THE NEW BAGGAGE EQUIPMENT AND ASSOCIATED SERVICES. OTHER CONFIGURATIONS MAY BE PROVIDED.
3. PROVISION OF THE BAGGAGE EQUIPMENT CONTRACTOR SHALL PROVIDE SPECIFIC DETAIL SUPPORT DESIGN FOR ALL BUILDING STRUCTURE CONNECTIONS AND ALL VERTICAL SUPPORT MEMBER CONNECTIONS TO FLOOR SLAB AND BUILDING STRUCTURE.
4. THE FINAL STRUCTURAL SUPPORT DESIGN SOLUTION IS THE RESPONSIBILITY OF THE BAGGAGE EQUIPMENT CONTRACTOR AND SHALL BE COORDINATED WITH AND APPROVED BY THE BHS CONTRACTOR'S PROFESSIONAL PROJECT ENGINEER.
5. THE BAGGAGE EQUIPMENT SUPPLIER IS RESPONSIBLE FOR THE DESIGN AND STRUCTURAL INTEGRITY OF ALL BOLTS, HANGERS, SUPPORT MEMBERS, ETC., AND SHALL PROVIDE ALL NECESSARY MATERIALS REQUIRED FOR INSTALLATION.

SYMBOL DESCRIPTION

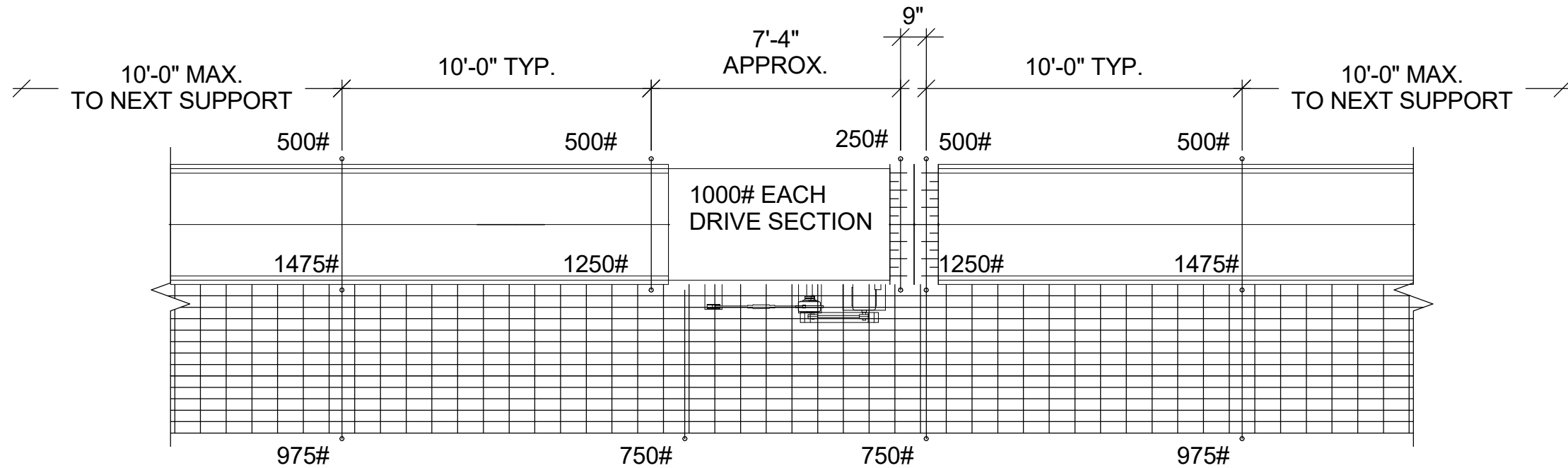
CEILING-SUPPORTED CONVEYOR SILL ASSEMBLY (TYP. +7'-6" AND ABOVE)

FLOOR-SUPPORTED CONVEYOR PEDESTAL ASSEMBLY (TYP. +7'-6" AND BELOW)

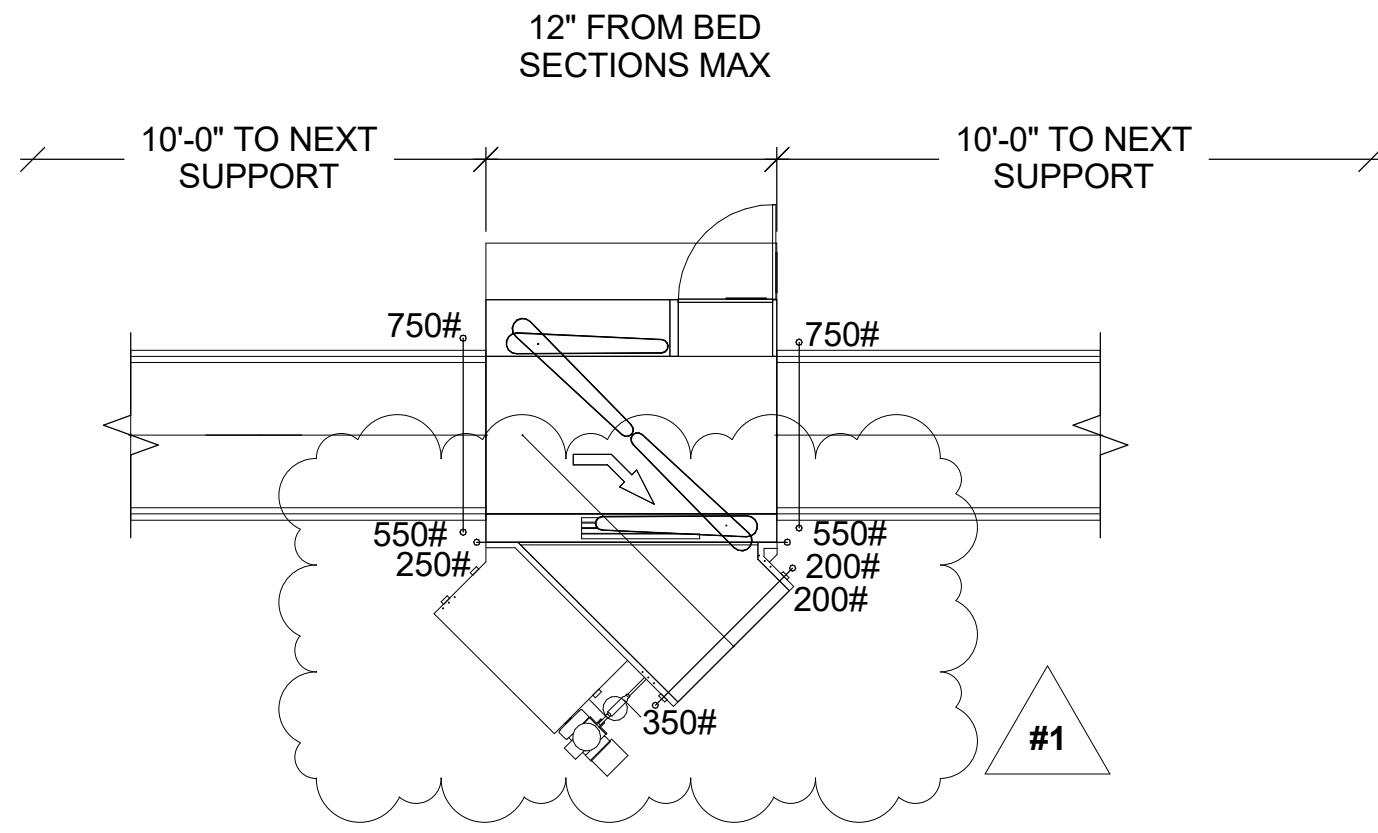
CONCENTRATED POINT LOAD (AT SUPPORT LOCATIONS)



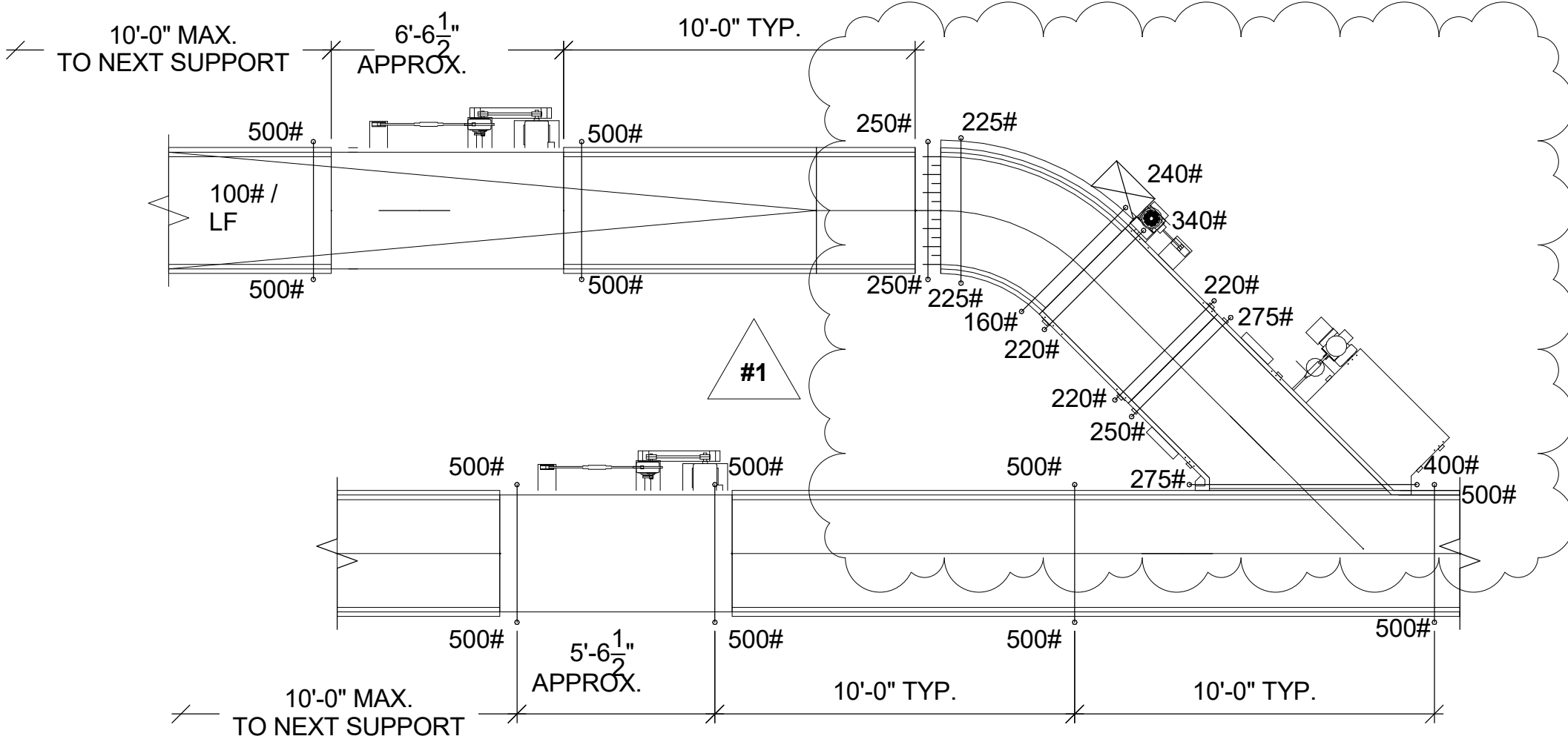
DETAIL PLAN - SINGLE LEVEL CONVEYOR SUPPORT
SCALE: N.T.S.



DETAIL PLAN - SINGLE LEVEL CONVEYOR SUPPORT WITH PLATFORM
SCALE: N.T.S.



DETAIL PLAN - HIGH SPEED DIVERTER WITH 45° TAKE AWAY CONVEYOR
SCALE: N.T.S.



DETAIL PLAN - SUPPORT LOAD FOR CONVEYOR MERGE
SCALE: N.T.S.

1 POINT LOADS
1/4" = 1'-0"



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1	1	Bid Document Revisions	05/10/2022



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PANAMA CITY AIRPORT NWFBI:

**OUTBOUND
BAGGAGE
EXPANSION**

**6300 W Bay Pkwy,
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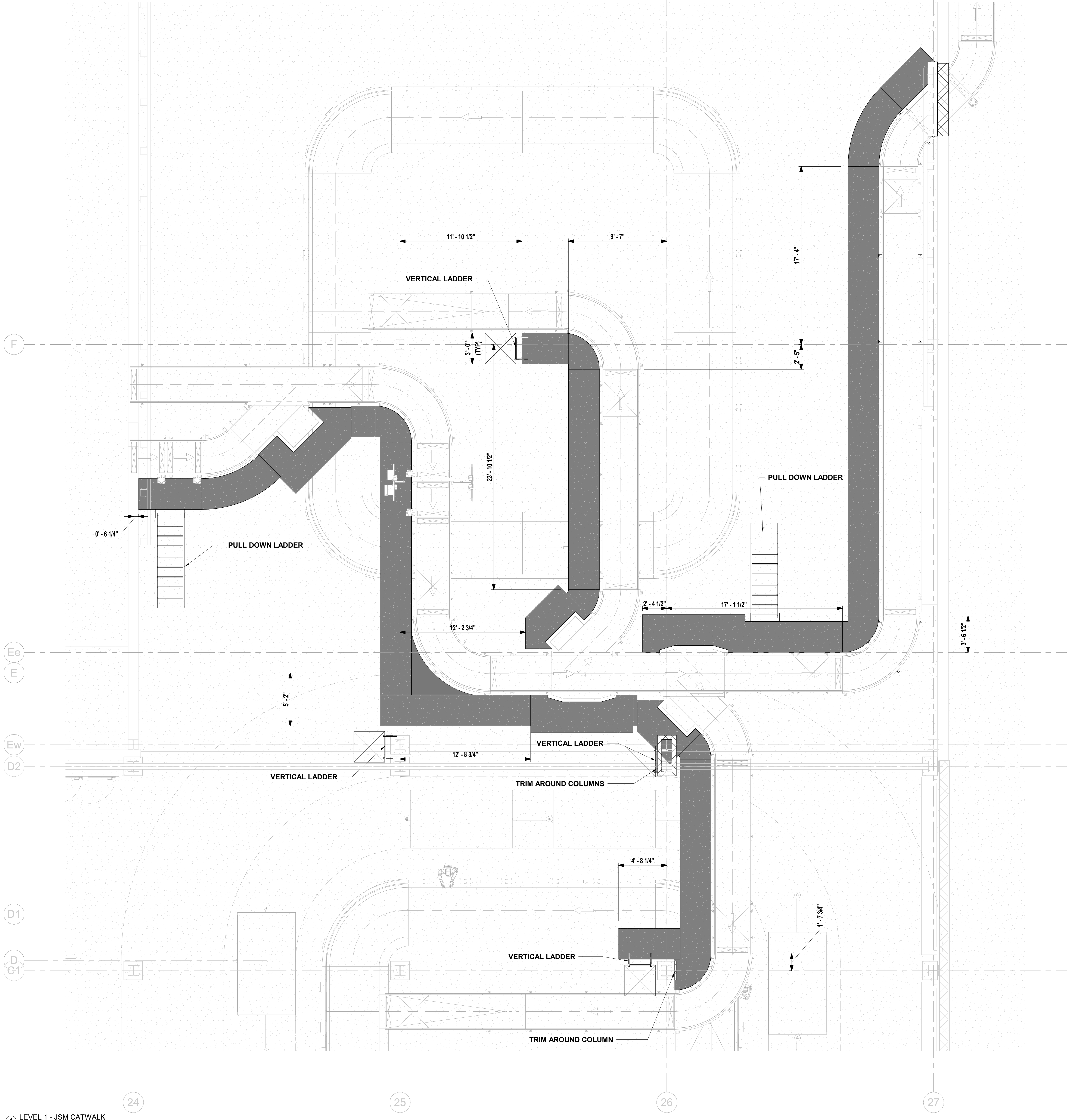
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**SECTIONS
AND DETAILS
(POINT-LOADS)**

SHEET NUMBER

BH6.1.09

5/8/2022 8:50:00 AM BIM 360://210215 NFBIA - Baggage Makeup Expansion - Task #1 (2021)JSM_ECP_BHG_R01.rvt



1 LEVEL 1 - JSM CATWALK
1/4" = 1'-0"



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850 S. GADSDEN ST, SUITE 140
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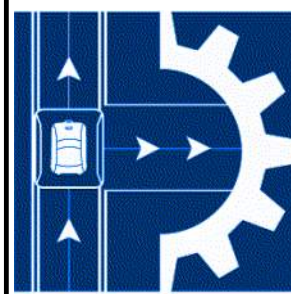
FITZGERALD COLLABORATIVE GROUP, LLC.
AA26001957



ARCHITECTS



REVISION
NO. DESCRIPTION DATE



**JSM
& Associates**
470 County Road 448
Tavares, FL 32778
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PERMIT DOCUMENTS

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CONSTRUCTION

CLIENT

**NORTHWEST
FLORIDA BEACHES
INTERNATIONAL
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

OUTBOUND BAGGAGE EXPANSION

6300 W Bay Pkwy,
Panama City, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

05/10/2022

DRAWING TITLE

PLAN VIEW- CATWALK LAYOUT

SHEET NUMBER

BH7.1.01