

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

PROJECT #: 20250023
2026/05/01

FENTRESS STUDIOS
A Populous Company

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
SHEET INDEX

PROJECT #: 20250023

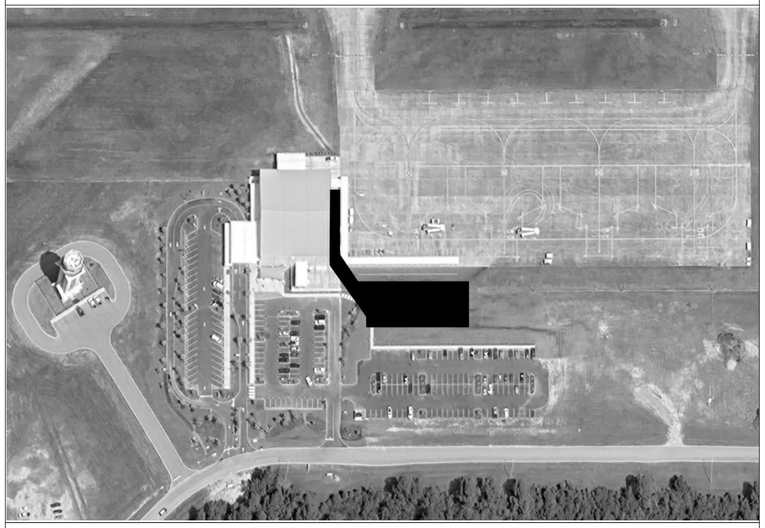
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VICINITY MAP



TEAM INFORMATION

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ABBREVIATIONS

A/C	air conditioning	GALV	galvanized	SPEC	specification
AB	anchor bolt	GB	grab bar	SPKLR	sprinkler
AC	acoustical ceiling tile	GC	general contractor	SPKR	speaker
ACC	access	GEN	generator	SQ	square
ACS PNL	access panel	GL	glass	SS	stainless steel
ACST	acoustical	GPM	gallons per minute	SSMA	Steel Stud Manufacturers Association
AD	area drain, access door	GYP	gypsum		
ADA	Americans with Disabilities Act	GYP BD	gypsum board	STA	station
ADDL	additional			STD	standard
ADDM	addendum	HB	hose bib	STL	steel
ADJ	adjacent, adjustable, adjoining	HC	hollow core	STOR	storage
AFF	above finished floor	HDR	header	STRUCT	structural
AGGR	aggregate	HDW	hardware	SUSP	suspend
AHR	anchor	HID	high intensity discharge	SYMM	symmetrical
AL	aluminum	HM	hollow metal	SYS	system
ALT	alternate	HORIZ	horizontal		
ALUM	aluminum	HP	horsepower	T	tread
ANOD	anodized	HPC	high performance coating	T&B	top & bottom
APPROX	approximate	HR	horizontal rated	T&G	tongue & groove
ARCH	architect	HT	height	TB	towel bar
ASPH	asphalt	HTR	heater	TEL	telephone
AUTO	automatic	HVAC	heating ventilation & air condition	TEMP	temperature, temporary
AUX	auxiliary	HW	hot water	THK	thickness
AV	audio visual	HWS	hot water supply	THRES	threshold
AVE	avenue	HWY	highway	TO	top of
AVG	average			TOC	top of curb
AWRB	air & weather resistive barrier	ID	inside diameter	TOS	top of steel
		ILLUM	illumination	TOW	tow of wall
BC	back of curb	INCAND	incandescent	TP	toilet partition
BD	board	INCL	included	TS	tube steel
BD FT	board feet (foot)	INSUL	insulation	TSTAT	thermostat
BEV	beveled	INT	interior	TV	television
BITUM	bituminous	INV	invert	TYP	typical
BLDG	building				
BM	benchmark, beam	JAN	janitor	UL	Underwriters Laboratory
BOT	bottom	JR	junior	UNFIN	unfinish
BRG	bearing			UNO	unless noted otherwise
BSMT	basement	KIP	thousand pounds	UON	unless otherwise noted
BTWN	between	KIT	kitchen	UR	urinal
BUR	built-up roof	KO	knockout		
		kVA	kilovolt-ampere	V	volt
CAB	cabinet	kW	kilowatt	VAR	varies
CAC	ceiling attenuation class			VCT	vinyl composition tile
CAP	capacity	LAM	laminate	VENT	ventilation
CEM	cement(itious)	LAV	lavatory	VERT	vertical
CER	ceramic	LDR	leader	VEST	vestibule
CFCI	contractor furnished / contractor installed	LH	left hand	VIF/V.I.F.	verify in field
		LIN	linear	VOL	volume
CFM	cubic feet per minute	LIQ	liquid	VTR	vent through roof
CHFR	chamfer	LL	live load	VWC	vinyl wall covering
CIP	cast-in-place	LP	light proof		
CJ	control joint	LR	living room	W	west, wide, wood
CL	centerline	LT	light	W/	with
CLG	ceiling	LTG PNL	lighting panel	W/O	without
CLO	closet			WC	water closet
CLR	clear(ance)	MACH	machine	WD	wood door
cm	centimeter(s)	MAG	magnet	WDW	window
CMU	concrete masonry unit	MATL	material	WP	waterproofing
CO	clean out	MAX	maximum	WR	water resistant
COL	column	MECH	mechanical	WSCT	wainscot
COMB	combination	MED	medium	WT	weight
COMPT	compartment	MEMB	membrane	WWF	welded wire fabric
CONC	concrete	MEZZ	mezzanine		
CONF	conference	MFR	manufacturer	XFER	transfer
CONN	connect	MH	manhole		
CONSTR	construction	MIN	minimum	YD	yard
CONT	continue	MIR	mirror		
CONTR	contractor	MISC	miscellaneous		
CORR	corridor	mm	millimeter		
CPT	carpet	MO	masonry opening		
CRCMF	circumference	MTD	mounted		
CSK	countersink	MTL	metal		
CT	ceramic tile	MULL	mullion		
CTW	curtain wall				
CU	cubic	N	north		
CW	cold water piping	NCMA	National Concrete Masonry Association		
DBL	double	NIC	not in contract		
DEG	degree	NO	number		
DEMO	demolition	NOM	nominal		
DEPT	department	NRC	noise reduction coefficient		
DES	designation	NTS	not to scale		
DET	detail				
DF	drinking fountain	OC	on center		
DIA	diameter	OD	outside diameter		
DIAG	diagram, diagonal	OFCI	owner furnished contractor installed		
DIM	dimension	OFF	office		
DISP	dispenser	OFOI	owner furnished owner installed		
DIV	division, divide	OPH	opposite hand		
DL	dead load	OPNG	opening		
DMPF	dampproofing	OPP	opposite		
DS	downspout				
DWG	drawing	P	paint		
DWR	drawer	PAR	parallel		
		PART	partial		
E	east	PCC	precast concrete		
EA	each	PCF	pounds per cubic foot		
EFS	exterior foundation system	PEN	penetrate		
EJ	expansion joint	PERF	perforated		
EL	elevation	PERIM	perimeter		
ELAST	elastomeric	PL	property line		
ELEC	electric	PLAM	plastic laminate		
ELEV	elevator	PLAS	plaster		
EMER	emergency	PLBG	plumbing		
ENCL	enclosure	PLYWD	plywood		
EPS	exterior parapet system	PNEU	pneumatic		
EQ	equal	POL	polished		
EQUIP	equipment	PREFAB	prefabricate		
EST	estimate	PREFIN	prefinish		
EW	each way	PRI	primary		
EWC	electric water cooler	PRKG	parking		
EWH	electric water heater	PRT	pressure treated		
EWS	exterior wall system	PSF	pounds per square foot		
EXH	exhaust	PSI	pounds per square inch		
EXIST	existing	PT	post-tensioned		
EXP	expansion, exposed	PTD	paper towel dispenser		
EXP BT	expansion bolt	PTN	partition		
EXT	exterior	PTR	paper towel receptacle		
		PVC	polyvinyl chloride		
F	fahrenheit				
FA	fire alarm	R	riser		
FACP	fire alarm control panel	r	radius		
FD	floor drain	RCP	reflected ceiling plan		
FDC	fire department connection	RD	roof drain, road		
FDMPR	fire damper	RE	reference		
FDTN	foundation	RECPT	receptacle		
FE	fire extinguisher	REF	reference		
FEC	fire extinguisher cabinet	REFL	reflect		
FHC	fire hose cabinet	REG	register		
FIG	figure	REINF	reinforce(ment)		
FIN	finish	REM	removable		
FIXT	fixture	REQD	required		
FLASH	flashing	RESIL	resilient		
FLEX	flexible	REV	revision		
FLL	flow line	RFG	refrigerator		
FLR	floor	RH	right hand		
FLUOR	fluorescent	RM	room		
FOC	face of concrete	RO	rough opening		
FOF	face of finish	ROW	right of way		
FOM	face of masonry	RPM	revolutions per minute		
FOS	face of stud	RS	roof system		
FPM	feet per minute	RVS	reverse		
FR	fire resistant				
FT	foot, feet	S	south		
FTG	footing	SAN	sanitary		
FURG	furring	SC	solid core		
FURN	furnish, furnished	SCHED	schedule		
FUT	future	SD	soap dispenser		
FVC	fire valve cabinet	SECT	section		
		SHT	sheet		
G	natural gas	SHTHG	sheathing		
GA	gauge	SIM	similar		
GA	Gypsum Association	SLNT	sealant		
GAL	gallon	SND	sanitary napkin dispenser		

STANDARD SYMBOLS

DRAWING TITLE & GRAPHIC SCALE
1 VIEW NAME — A1100 A2100 SCALE: 1/8" = 1'-0"
DRAWING NUMBER
DRAWING TITLE
SCALE
SHEET NUMBER DRAWING IS LOCATED
SHEET WHERE DRAWING IS REFERENCED FROM

SECTION/DETAIL MARKER
0 SIM — A1100
DRAWING NUMBER
SHEET NUMBER DRAWING IS LOCATED

ELEVATION EXTERIOR BUILDING
0 — A1100
DRAWING NUMBER
SHEET NUMBER DRAWING IS LOCATED

ELEVATION INTERIOR
1 A1100 1 — 1 — 1
DRAWING NUMBER
SHEET NUMBER DRAWING IS LOCATED
NO FILL INDICATES NO ELEVATION

ENLARGED DETAIL OR PLAN INDICATOR
0" — A1100
DRAWING NUMBER
SHEET NUMBER DRAWING IS LOCATED
DETAIL CALLOUT, BUBBLE MAY VARY IN SIZE AND SHAPE

ELEVATION LEVEL MARKERS
LEVEL 1 — 100' - 0"
USED ON BUILDING ELEVATIONS, BUILDING SECTIONS, WALL SECTIONS AND DETAILS
FLOOR ELEVATION

SPOT ELEVATIONS
100'-10 1/2"
ELEVATION

NORTH ARROW
PLAN TRUE
PLAN NORTH INDICATES THE DIRECTION THAT IS MOST CLOSE TO TRUE NORTH AND IS SQUARE WITH THE PROJECT CONSTRUCTION

DIMENSIONING AND GRIDS
0 — 1 67/256" — 0
INDICATES DIMENSIONS TO FACE OF FINISHED MATERIAL OR TO CENTERLINE (UON)
COLUMN OR GRID LINE
COLUMN OR GRID REFERENCE NUMBERS

ALIGN SYMBOL
ALIGN TYP.
THIS SYMBOL TAKES PRECEDENCE OVER DIMENSIONS

ROOM NAME AND NUMBER
ROOM NAME — 10101B
ROOM NAME
ROOM NUMBER (LAST TWO DIGITS TYPICALLY)
AREA NUMBER (WHEN APPLICABLE)
LEVEL OR FLOOR NUMBER TYPICALLY)

ROOM NAME, NUMBER AND FINISH TYPE
ROOM NAME — 10101B — F-XX
ROOM NAME
ROOM NUMBER (IF DESIRED ON THE FINISH PLAN)
ROOM FINISH TYPE

DOOR NUMBER
9999A
DOOR NUMBER (ROOM TO WHICH DOOR SWINGS)
SUB NUMBER (FOR MORE THAN ONE DOOR SWINGING FROM A ROOM) REFER TO DOOR SCHEDULE FOR DOOR TYPE, SIZE, MATERIAL, FINISH, HARDWARE, ETC.

WINDOW TAG
A
DIGIT INDICATES WINDOW TYPE - SHOWN ON BUILDING ELEVATION, SEE WINDOW SCHEDULE FOR MORE INFORMATION

LOUVER TAG
A
DIGIT INDICATES LOUVER TYPE

EXTERIOR SYSTEMS TAGS
FS-XX — FLOOR SYSTEM - SEE SYSTEMS TYPE SHEET
WS-xx — EXTERIOR WALL SYSTEM - SEE SYSTEMS TYPE SHEET
SS-xx — SOFFIT SYSTEM - SEE SYSTEMS TYPE SHEET
RS-xx — ROOF SYSTEM - SEE SYSTEMS TYPE SHEET

CEILING HEIGHT TAG
1' - 0"
INDICATES HEIGHT OF CEILING ABOVE FINISHED FLOOR

FINISH TAG
P-01
REFER TO SCHEDULE OF COLORS AND FINISHES FOR ADDITIONAL INFORMATION ABOUT THIS FINISH

EQUIPMENT, CASEWORK AND TOILET ACCESSORY
TA-3
LETTER INDICATES ITEM TYPE

REVISION OR ADDENDUM NUMBER
16
DIGIT INDICATES SEQUENCE NUMBER FOR REVISION
CLOUD INDICATES AREA MODIFIED

RFI TAG
RFI-999
DIGIT INDICATES RFI NUMBER
CLOUD INDICATES AREA MODIFIED

SPECIFICATION KEYNOTES
08 1113.A SCHEDULED HM DOOR
SPECIFICATION REFERENCE SECTION IN WHICH THE ELEMENT IS SPECIFIED. DIVISION OF THE WORK INTO SPEC REFERENCE SECTION IS NOT INTENDED TO DIVIDE OR DEFINE THE WORK TO BE PERFORMED BY INDIVIDUAL SUBCONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE TO DIVIDE THE WORK AS NECESSARY SO THAT ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE FULFILLED.
ELEMENT DESCRIPTION (KEYNOTE)
UNIQUE NOTE DESIGNATOR (NOT FOR CONTRACTOR'S USE)

KEYED NOTATION
? ?
SPECIFIC NOTATIONS ON A SHEET

ELEVATION CHANGE
INDICATED CHANGE IN ELEVATION (EITHER PLAN OR ELEVATION CHANGE)

CLEAR FLOOR SPACE
CLEAR FLOOR SPACE AREAS

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ESTABLISH LOCATION OF ALL PARTITIONS, OPENINGS, EQUIPMENT, ETC.
2. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS IN THE DRAWINGS AND/OR SPECIFICATIONS, REQUEST AND RECEIVE AN INTERPRETATION OR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
4. ARCHITECTURAL ELEVATION OF 100'-0" = CIVIL ELEVATION OF 16.0'.
5. DISTANCE FROM PERPENDICULAR WALL TO DOOR JAMB SHALL BE 4" UNLESS OTHERWISE NOTED.
6. AT ROOMS WITH FLOOR DRAINS (TOILET ROOMS, MECHANICAL ROOMS, ETC.), PROVIDE 1/2 INCH DEPRESSION AT THE DRAINS AND SLOPE FLOOR TO DRAIN WITH A 24 INCH DISH AROUND THE DRAINS.
7. PROVIDE FULLY TEMPERED OR LAMINATED SAFETY GLASS WHERE REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND/OR LAWS.
8. CONCRETE SLAB CONTROL JOINTS AND EXPANSION JOINTS SHALL BE CLOSELY COORDINATED WITH TILE AND PAVING PATTERN AND SHALL OCCUR UNDER TILE JOINTS WHERE POSSIBLE. PROVIDE CRACK ISOLATION MEMBRANE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHERE CONTROL JOINTS AND TILE JOINTS DO NOT ALIGN AND PROVIDE SOFT JOINT IN TILE ABOVE.
9. DISTANCE FROM PERPENDICULAR WALL TO DOOR JAMB SHALL BE 4" UNLESS OTHERWISE NOTED.

GENERAL DEMO NOTES

1. THE ARCHITECT HAS NO KNOWLEDGE OF, AND SHALL NOT BE HELD LIABLE FOR, ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ON THE JOBSITE. IF ASBESTOS, OR OTHER HAZARDOUS MATERIALS, ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING.
2. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ALL UTILITIES DETERMINED IN COURSE OF CONSTRUCTION AS BEING NECESSARY TO BE REMOVED WHICH HAVE NOT OTHERWISE BEEN NOTED FOR REMOVAL IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL REMOVE SUCH UTILITIES ONLY AFTER CONSULTATION WITH ARCHITECT AND OWNER. WHETHER PREDETERMINED IN THE CONSTRUCTION DOCUMENTS, OR DETERMINED LATER IN THE FIELD, DISCONNECT, CUT BACK TO SOURCE, AND CAP ALL UTILITY SERVICES REMOVED. SEAL ALL PENETRATIONS CREATED BY REMOVAL OF UTILITIES TO MATCH ADJACENT CONSTRUCTION AND FINISHES.
3. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION
4. PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURES. PROVIDE AND PLACE BRACING OR SHORING AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURE.
5. PROVIDE, ERECT AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
6. ERECT AND MAINTAIN DUSTPROOF PARTITIONS, AS REQUIRED, TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC., TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
7. REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED, AT NO COST TO THE OWNER.
8. REMOVE TOOLS AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK. LEAVE CONTRACT AREAS AND SITE CLEAN, ORDERLY, AND IN A CONDITION ACCEPTABLE FOR NEW OR OTHER CONSTRUCTION.
9. THE INTENT OF THE CONTRACT DOCUMENTS IS TO REMOVE ALL NONSTRUCTURAL ITEMS WITHIN THE BUILDING DOWN TO THE STRUCTURE, UNLESS OTHERWISE NOTED.
10. STRUCTURAL DEMOLITION, AS SHOWN ON THE DRAWINGS, SHALL BE REVIEWED ON SITE WITH THE ARCHITECT AND/OR ENGINEER PRIOR TO COMMENCEMENT OF THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS.
11. PROTECT ALL ITEMS AND FINISHES THAT ARE TO REMAIN OR BE RE-USED IN ACCORDANCE WITH A PROTECTION PLAN TO BE REVIEWED AND APPROVED BY THE ARCHITECT.
12. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY SIGNAGE, INCLUDING WAYFINDING AND EGRESS, DURING DEMOLITION AND CONSTRUCTION DUE TO PHASING AND SEQUENCING.

STANDARD MATERIALS

- ALUMINUM
- BATT INSULATION
- CAST-IN-PLACE AND PRECAST CONCRETE
- CEMENTITIOUS FIREPROOFING
- CONCRETE MASONRY UNITS
- CONCRETE, STUCCO, PLASTER OR GYPSUM BOARD (ELEVATION)
- FIRESAFING
- FINISH WOOD (SECTION / END)
- PLYWOOD
- POROUS FILL (GRAVEL) OR ROOF BALLAST
- RIGID OR FOAM INSULATION
- ROUGH WOOD FRAMING AND BLOCKING (SECTION / END)
- SAND OR PLASTER
- SOIL
- STEEL
- STONE

EXISTING CONSTRUCTION SYMBOLS

SPOT ELEVATIONS
100'-10 1/2"
EXISTING ELEVATION

GRIDS
0 — 0
EXISTING COLUMN OR GRID REFERENCE NUMBERS

EXISTING ROOM NAME AND NUMBER
ROOM NAME — [10101B] — 150 SF
ROOM NAME
ROOM NUMBER
AREA NUMBER (WHEN APPLICABLE)

EXISTING EXTERIOR SYSTEMS TAGS
WS-xx — EXISTING EXTERIOR WALL SYSTEM - SEE EXISTING SYSTEMS TYPE SHEET
RS-xx — EXISTING ROOF SYSTEM - SEE EXISTING SYSTEMS TYPE SHEET

EXISTING INTERIOR PARTITION TAG
299 / 12
EXISTING PARTITION TYPE. SEE PARTITION TYPES AND SCHEDULES

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CONSULTANT

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY T. OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
GENERAL INFORMATION

PROJECT #: 20250023

SHEET NUMBER
G0101

5/1/2026 6:30:06 PM
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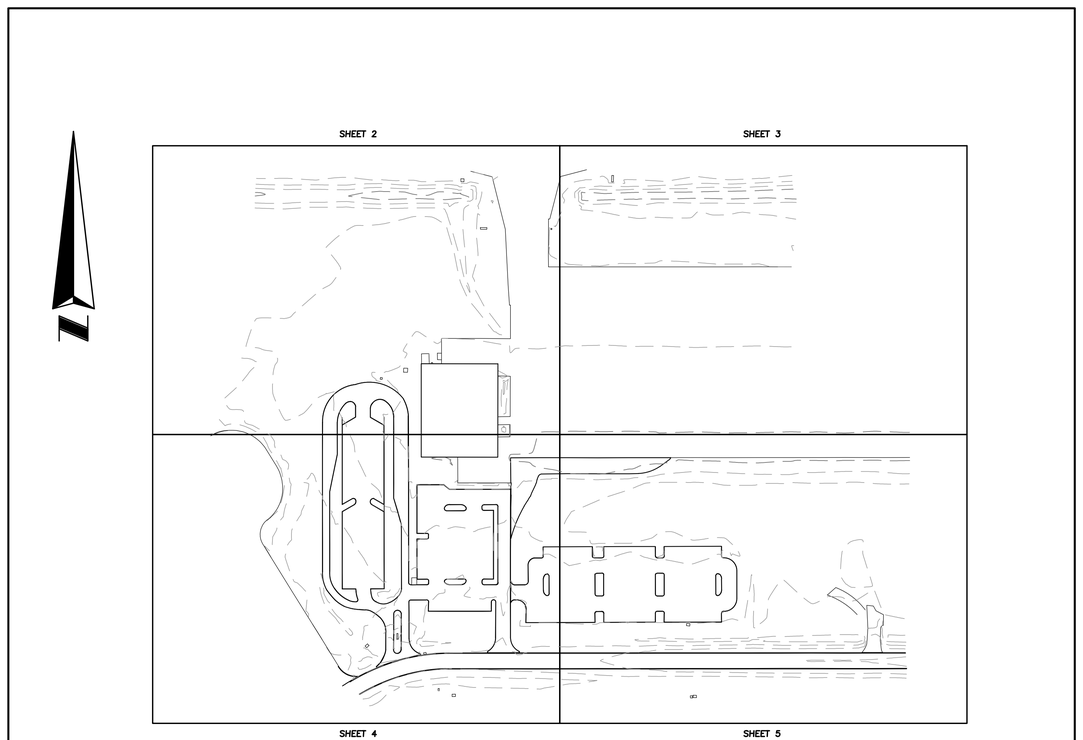
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TOPOGRAPHIC SURVEY

GULF SHORES INTERNATIONAL AIRPORT
JACK EDWARDS FIELD
GULF SHORES, ALABAMA

LEGEND & ABBREVIATIONS:

	= DRAINAGE MANHOLE
	= TAXIWAY LIGHT
AC	= AIR CONDITIONING UNIT
	= BACKFLOW PREVENTER
	= COLUMN
	= ELECTRIC SERVICE METER
	= FIRE HYDRANT
	= GAS METER
	= GAS VALVE
	= ROUND METAL BOLTED PLATE
	= IRON ROD
	= LIGHT POLE
	= MAILBOX
MW	= MONITORING WELL
	= POST/BOLLARD
	= TIE DOWN
	= SANITARY MANHOLE
	= SEWER VALVE
	= TRAFFIC SIGN
TR	= TRANSFORMER ON SLAB
UM	= UTILITY MARKER
	= WATER METER
	= WIRING PULL BOX
	= WATER VALVE
MES	= MITERED END SECTION
–X–	= FENCE
–BE–	= BURIED ELECTRIC LINE
–FOC–	= BURIED FIBER OPTIC LINE
–BTL–	= BURIED TELEPHONE LINE
–GM–	= GAS MAIN
–OHL–	= OVERHEAD UTILITY LINE
–WL–	= WATER LINE
–SAN–	= SANITARY SEWER
–UNK–	= UNKNOWN UTILITY LINE
	= TREE/HEDGE LINE
ABS	= ACRYLONITRILE BUTADIENE STYRENE PIPE
CMP	= CORRUGATED METAL PIPE
CPP	= CORRUGATED PLASTIC PIPE
HDPE	= HIGH DENSITY POLYETHYLENE PIPE
DIP	= DUCTILE IRON PIPE
PVC	= POLYVINYL CHLORIDE PIPE
RCP	= REINFORCED CONCRETE PIPE
VCP	= VITRIFIED CLAY PIPE
INV	= INVERT
FF	= FINISH FLOOR ELEVATION
EOI	= END OF INFORMATION
MES	= MITERED END SECTION
TRAV.PT.	= TRAVERSE POINT
SSMC	= SOUTHEASTERN SURVEYING & MAPPING CORPORATION



SHEET LAYOUT
NOT TO SCALE

SURVEYOR'S REPORT:

1. THE MINIMUM HORIZONTAL ACCURACY FOR THIS SURVEY IS IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA. THE MAP AND MEASUREMENT METHODS USED FOR THIS SURVEY MEET OR EXCEED THIS REQUIREMENT. THE DIMENSIONS SHOWN HEREON ARE IN UNITED STATES SURVEY FEET AND DECIMALS THEREOF.
2. HORIZONTAL AND VERTICAL POSITIONS FOR ALL FEATURES SHOWN ON THE MAP ARE RELATIVE TO NORTH AMERICAN DATUM, (NAD83), 2011 ADJUSTMENT, STATE PLANE COORDINATE SYSTEM, ALABAMA WEST ZONE, AND ARE BASED ON GNSS REFERENCE STATION "ALFO". VERTICAL INFORMATION IS NAVD88. THE CONTOUR INTERVAL IS 1 FOOT. DISTANCES SHOWN ARE GRID DISTANCES.
3. IMPROVEMENTS AND TOPOGRAPHIC FEATURES SHOWN HEREON ARE LIMITED TO AREAS PER SPECIFIC INSTRUCTIONS OF THE CLIENT.
4. THIS SURVEY DOES NOT DETERMINE THE OWNERSHIP OF THE LANDS SHOWN HEREON.
5. UNLESS OTHERWISE DENOTED ON THIS SURVEY, NO STATE OR FEDERAL JURISDICTIONAL BOUNDARIES WERE ESTABLISHED, RECOVERED, DEFINED, OR DELINEATED, IF THEY EXIST.
6. IN THE EVENT OF A DISPUTE OR DISAGREEMENT, THE CLIENT IS ADVISED TO SEEK LEGAL COUNCIL BEFORE CLEARING, CONSTRUCTING, OR REMOVING ANY FENCES OR OTHER PERMANENT STRUCTURES.
7. FEATURES SHOWN BY SYMBOL AS INDICATED IN THE LEGEND ARE NOT TO SCALE. THESE AND OTHER FEATURES SUCH AS PERMANENT STRUCTURES, FENCE LINES, ADDITIONAL MONUMENTATION, ETC. FOUND NEAR THE SUBJECT BOUNDARY LINES, MAY BE SHOWN AT AN EXAGGERATED SCALE TO MORE CLEARLY REPRESENT THEIR LOCATION.
8. UTILITY LOCATIONS IF SHOWN HEREON ARE BASED ON FIELD LOCATION OF MARKINGS BY UTILITY COMPANY REPRESENTATIVES, SURFACE FEATURES AND/OR CONSTRUCTION PLANS FURNISHED TO THE SURVEYOR. ADDITIONAL SUB-SURFACE UTILITIES MAY EXIST THAT HAVE NOT BEEN FIELD LOCATED.
9. UNDERGROUND FOUNDATIONS, IF ANY, HAVE NOT BEEN LOCATED.
10. THE SURVEY MAP AND REPORT OR THE COPIES THEREOF, ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE OR THE ELECTRONIC SIGNATURE AND SEAL OF A ALABAMA PROFESSIONAL LAND SURVEYOR.
11. 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.

NOTICE OF LIABILITY:

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

SURVEYOR'S CERTIFICATION:

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

SURVEYOR'S SIGNATURE: _____

ALABAMA LICENSE NUMBER 33664 DATE 3/17/2026

ALABAMA REGISTERED No. 33664-S PROFESSIONAL LAND SURVEYOR AARON D. BLANKENSHIP

AARON D. BLANKENSHIP
ALABAMA PROFESSIONAL LAND SURVEYOR
PLS NO. 33664

SSMC SUE • SURVEY • GIS
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
355 N. DATES STREET, SUITE 5
DOTHAN, ALABAMA 36303
(334) 648-0288
e-mail: info@southeasternsurveying.com
Certification of Authorization CA-3900-LS

REVISION	BY
REVISION DATE:	

SHEET NUMBER 1 OF 5
NOT VALID WITHOUT SHEETS 1 THROUGH 5

TOPOGRAPHIC SURVEY
Project: 1155 COMMERCE DRIVE
GULF SHORES, ALABAMA
Field Date: 1/16/26 | Drawn By: ES | Scale: 1" = 20'

Certified to:
AIRPORT AUTHORITY OF THE
CITY OF GULF SHORES &
BARGE DESIGN SOLUTIONS, INC

DRAWING NUMBER
70465003
SHEET NUMBER
1 OF 5

1" = 20'
GRAPHIC SCALE
0 10' 20' 40'

TAXIWAY

METAL VAULT ON CONCRETE

MES
N INV=10.09
S INV=10.05

13"X22" OVAL RCP

13"X22" OVAL RCP

ELECTRICAL HAND HOLE

GUIDANCE SIGN

ELECTRICAL HAND HOLE

DUCT CABLE MARKER

DUCT CABLE MARKER

CONCRETE APRON

SITE BENCHMARK
5/8" IRON ROD
"BARGE"
ELEVATION=13.68
N=104860.44
E=1913863.94

6' CHAINLINK FENCE

PROPERTY LINE

DOG WASTE STATION

SIGN
AIRPORT INFO

FDC

FIRE DEPARTMENT CONNECTION

SIGN
AIRPORT INFO

CANOPY OVERHANG

10' WOOD FENCE

CONCRETE

CONCRETE

COLUMN

CANOPY OVERHANG

ASPHALT DRIVE

SIGN
AIRPORT INFO

SIGN
AIRPORT INFO

CANOPY OVERHANG

SEWER CLEAN OUT
TOP=14.05
TOP OF 6" PVC CAP=13.61

SEWER CLEAN OUT
TOP=14.68

SIGN
AIRPORT INFO

ASPHALT PARKING LOT

HANDICAP PARKING

CONCRETE WALK

NO PARKING ANYTIME
SHUTTLE/TAXI ONLY

120.5'X14.2'
1-STORY METAL
BUILDING
FF=14.76

COVERED CONCRETE WALKWAY

COVERED CONCRETE WALKWAY

MES
INV=12.85

MES
INV=13.34

MES
INV=13.52

MATCHLINE SEE SHEET 4

MATCHLINE SEE SHEET 3

SHEET NUMBER 2 OF 5
NOT VALID WITHOUT SHEETS
1 THROUGH 5

SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION
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(334) 648-0288
e-mail: info@southeasternsurveying.com
Certification of Authorization CA-980-LS

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REVISION DATE	REVISION	BY

TOPOGRAPHIC SURVEY

Project:
1155 COMMERCE DRIVE
GULF SHORES, ALABAMA

Field Date: 1/16/26
Drawn By: ES
Scale: 1" = 20'

SEE SHEET 1 FOR NOTES,
LEGEND AND DESCRIPTION.

DRAWING NUMBER
70465003
SHEET NUMBER
2 OF 5

MATCHLINE SEE SHEET 2

ELECTRICAL HAND HOLE

GUIDANCE SIGN

13"X22" OVAL RCP

12"X ?

13"X22" OVAL RCP

MES
N INV=9.57
S INV=9.68

PROPERTY LINE

CONCRETE APRON

MATCHLINE SEE SHEET 5

1" = 20'
GRAPHIC SCALE
0 10' 20' 40'

SHEET NUMBER 3 OF 5
NOT VALID WITHOUT SHEETS
1 THROUGH 5

SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION
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e-mail: info@southeasternsurveying.com
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REVISION DATE	REVISION	BY

TOPOGRAPHIC SURVEY

Project:
1155 COMMERCE DRIVE
GULF SHORES, ALABAMA

Field Date: 1/16/26
Drawn By: ES
Scale: 1" = 20'

SEE SHEET 1 FOR NOTES, LEGEND AND DESCRIPTION.

DRAWING NUMBER
70465003
SHEET NUMBER
3 OF 5

MATCHLINE SEE SHEET 2

1" = 20'
GRAPHIC SCALE
0 10' 20' 40'

LOT 46B
GULF SHORES BUSINESS AND
INDUSTRIAL PARK, PHASE II
SLIDE 2393-C

COMMERCE DRIVE

MATCHLINE SEE SHEET 5

SHEET NUMBER 4 OF 5
NOT VALID WITHOUT SHEETS
1 THROUGH 5

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REVISION	BY
REVISION DATE:	

TOPOGRAPHIC SURVEY

1155 COMMERCE DRIVE
GULF SHORES, ALABAMA

Project:

Scale: 1" = 20'
Drawn By: ES
Field Date: 1/16/26

SEE SHEET 1 FOR NOTES,
LEGEND AND DESCRIPTION.

DRAWING NUMBER
70465003
SHEET
NUMBER
4 OF 5

MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 4

CONCRETE APRON

COVERED CONCRETE WALKWAY

ASPHALT DRIVE

6' CHAINLINK FENCE

OHL

LOT 45
GULF SHORES BUSINESS AND INDUSTRIAL PARK, PHASE II
SLIDE 2314-B

LOT 44
GULF SHORES BUSINESS AND INDUSTRIAL PARK
SLIDE 1653-A & B

HANDICAP PARKING

PAY PARKING INFO

CONCRETE WALK

ASPHALT PARKING LOT

PROPERTY LINE

CONC. RIBBON CURB

EDGE OF PAVEMENT

COMMERCE DRIVE

DIRT DRIVE

GRAVEL DRIVE

8" PVC

GM

BE

TOP=12.39
E INV=6.99
S INV=7.02
W INV=7.47

DIRECTIONAL

18" RCP
INVERT=10.86

INVERT=10.74

TOP=12.58
W INV=6.06

TR

SITE BENCHMARK
SET 1/2" IRON ROD
"SSMC TRAV. PT."
ELEVATION=12.02
N=104653.39
E=1914883.19

SITE BENCHMARK
SET 1/2" IRON ROD
"SSMC TRAV. PT."
ELEVATION=12.82
N=104379.64
E=1914733.40

1" = 20'
GRAPHIC SCALE
0 10' 20' 40'

SHEET NUMBER 5 OF 5
NOT VALID WITHOUT SHEETS
1 THROUGH 5

SSMC
SUE • SURVEY • GIS

SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION
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DOTHAN, ALABAMA 36303
(334) 648-0288
e-mail: info@southeasternsurveying.com
Certification of Authorization CA-980-LS

REVISION	BY

REVISION DATE

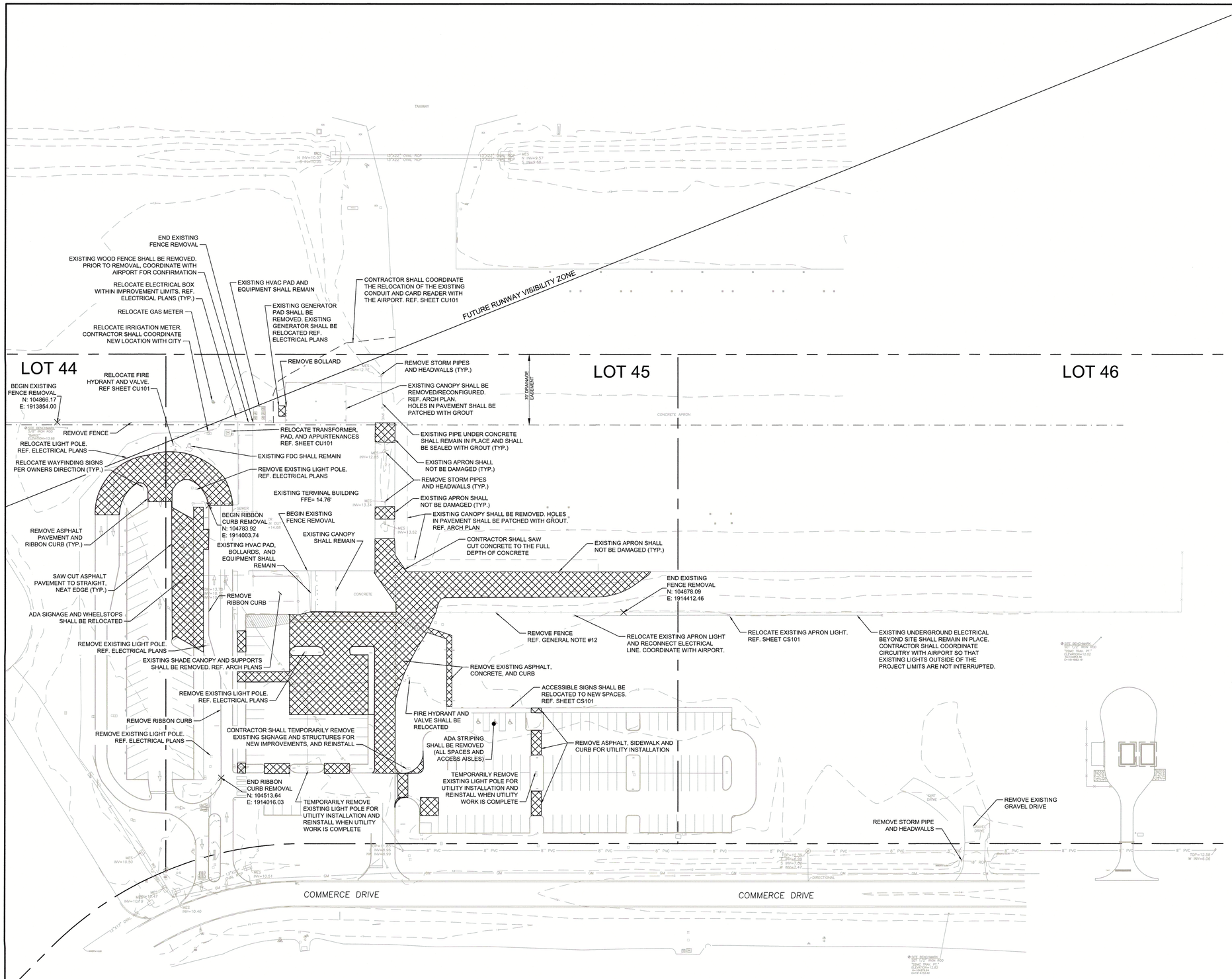
TOPOGRAPHIC SURVEY

Project: 1155 COMMERCE DRIVE
GULF SHORES, ALABAMA

Drawn By: ES
Scale: 1" = 20'
Field Date: 1/16/26

SEE SHEET 1 FOR NOTES, LEGEND AND DESCRIPTION.

DRAWING NUMBER
70465003
SHEET NUMBER
5 OF 5



LEGEND

- APPROXIMATE REMOVAL LIMITS (ASPHALT, CONCRETE, SIDEWALK)
- EASEMENT
- PROPERTY LINE

GENERAL NOTES:

1. WHERE ENGINEER'S SPECIFICATIONS ARE IN CONFLICT WITH THE DRAWINGS, THE DRAWINGS SHALL CONTROL.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FAA OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION AC No: 150/5370-2G, LATEST EDITION.
3. ALL DIMENSIONS ARE IN U.S. CUSTOMARY UNITS (DECIMAL FEET).
4. ALL COORDINATES ARE IN ALABAMA STATE PLANE COORDINATES - WEST ZONE. CONTRACTOR SHALL REFER TO THE SURVEY FOR SURVEY CONTROL POINTS.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL POST PERMITS ON-SITE AS REQUIRED BY GOVERNING AUTHORITIES.
6. THE LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES IS THE RESPONSIBILITY OF THE CONTRACTOR. EXISTING UTILITY LOCATIONS NOTED ON THE PLANS ARE APPROXIMATE ONLY, MAY NOT INCLUDE ALL ACTUAL UTILITY LINES, AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCING WORK. ANY DEVIATIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND SHALL MAINTAIN A PROGRAM OF SAFETY MEETING ALL REQUIREMENTS OF FEDERAL, STATE, AND LOCAL GOVERNING AGENCIES DURING ALL PHASES OF CONSTRUCTION AND AT ALL TIMES UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. CURRENT OSHA REGULATIONS SHALL BE ADHERED TO WITH RESPECT TO EXCAVATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL (INCLUDING ADA PARKING SPACES AND PEDESTRIAN ROUTES) DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE TEMPORARY TRAFFIC CONTROL MEASURES WITH THE OWNER AND AIRPORT MANAGER TO ENSURE OPERATIONS ARE NOT IMPACTED. IF ANY TEMPORARY IMPACTS ARE NECESSARY, CONTRACTOR SHALL OBTAIN APPROVALS PRIOR TO IMPACT.
9. ALL PUBLIC RIGHTS-OF-WAY, PRIVATE DRIVES, AND AIRPORT PAVEMENTS SHALL BE CLEAR OF OBSTRUCTIONS. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED / STAGED IN THESE AREAS.
10. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS FOR ACTUAL BUILDING DIMENSIONS, DIMENSIONS AND LOCATIONS OF CANOPIES, WALLS, MECHANICAL UNIT PADS, GENERATOR, STEPS, RAILINGS/FENCES AND REFER TO MEP PLANS FOR LOCATIONS OF ALL UTILITY ENTRANCES TO BUILDINGS.
11. THE CONTRACTOR SHALL KEEP THE PUBLIC OUT OF CONSTRUCTIONS AREAS AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS NECESSARY TO ENSURE PUBLIC SAFETY.
12. THE CONTRACTOR SHALL MAINTAIN A SECURE FENCED PERIMETER FOR THE AIRPORT THROUGHOUT THE DURATION OF THE PROJECT. FENCE REMOVAL AND REPLACEMENT SHALL BE COORDINATED WITH THE AIRPORT.
13. CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH THE GEOTECHNICAL ENGINEERING REPORT DATED 2/11/2026 PREPARED BY NOVA.
14. CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH THE SURVEY WITH FIELD DATE OF 1/16/2026 AND SEALED DATE OF 3/17/2026, PREPARED BY SSMC.
15. CITY OF GULF SHORES TO PROVIDE SITE LANDSCAPING.
16. THESE CIVIL PLANS ARE COORDINATED WITH ARCH PLANS DATED 4/27/2026.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL QUALITY CONTROL/CONSTRUCTION MATERIALS TESTING AS REQUIRED BY THE PROJECT SPECIFICATIONS. THE OWNER MAY CONDUCT ANY ADDITIONAL QUALITY ASSURANCE TESTING AT THE OWNER'S EXPENSE.

DEMOLITION NOTES:

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

ABBREVIATIONS

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

811 Know what's **below** **Call** before you dig. 811 www.call811.com

PLAN NORTH | TRUE NORTH

SCALE: 0' 10' 20' 40' 80'

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PHONE: 615.254.5300

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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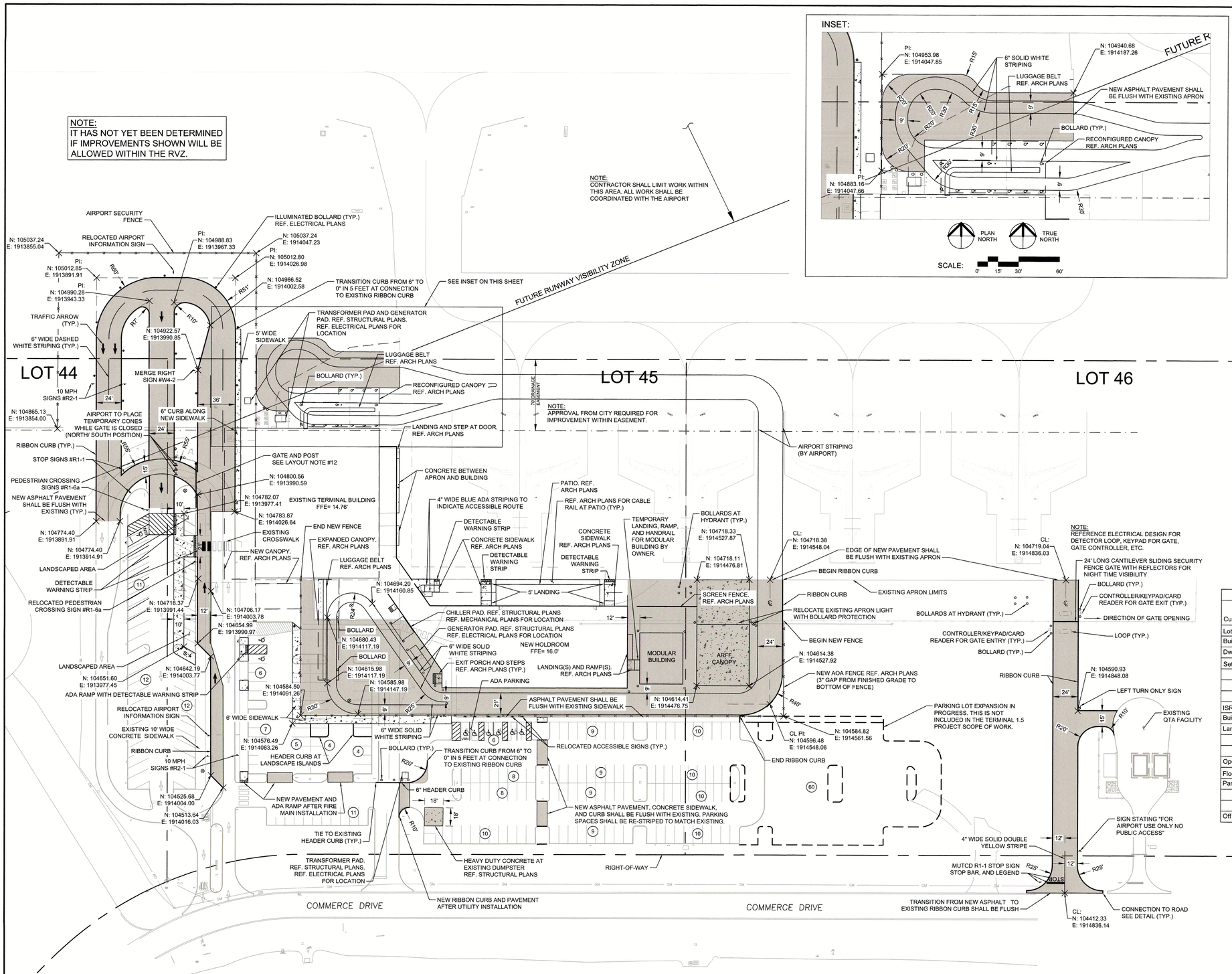
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 23133 WILLIAM L. BARGE 04/01/26

DRAWING TITLE
SITE DEMOLITION PLAN

PROJECT #: 3110650

SHEET NUMBER
CD101

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LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- FENCE
- BOLLARD
- SIGN
- LIGHT POLE / ILLUMINATED BOLLARD
- (11) PARKING COUNT
- PARKING LOT EXPANSION
- EASEMENT
- PROPERTY LINE

LAYOUT NOTES:

1. ALL TRAFFIC SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH MUTCD STANDARDS UNLESS OTHERWISE NOTED (E.G. AIRPORT WAYFINDING SIGNAGE).
2. ALL COORDINATES AND DIMENSIONS ARE TO EDGE OF PAVEMENT OR EXTERIOR BUILDING WALLS UNLESS OTHERWISE NOTED.
3. ALL PARKING LOT STRIPING ANGLES ARE NINETY (90) DEGREES AND SIXTY (60) DEGREES UNLESS OTHERWISE NOTED. PARKING SPACE STRIPES SHALL BE 4" SOLID WHITE EXCEPT FOR ADA SPACES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION LAYOUT AND STAKING.
5. CONTRACTOR SHALL ENSURE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING PAVEMENT SURFACE ELEVATIONS.
6. AIRPORT WAYFINDING SIGNAGE BY OWNER.
7. REFERENCE ELECTRICAL PLANS FOR SITE LIGHTING.
8. SAWED CONTROL JOINTS SHALL BE A MAXIMUM OF 8' AND EXPANSION JOINTS SHALL BE A MAXIMUM OF 30'.
9. SECURITY FENCE SHALL BE GALVANIZED CHAIN LINK MATCHING EXISTING IN HEIGHT AND SHALL HAVE 3 STRANDS OF BARBED WIRE AT TOP.
10. REFERENCE ARCHITECT PLANS FOR EXACT LOCATION OF BUILDING EXPANSION IN RELATION TO EXISTING BUILDING.
11. ALL CURB ALONG NEW PAVEMENT SHALL BE RIBBON CURB UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL INSTALL A MANUAL SWING BARRIER GATE/ARM. WHEN IN OPEN POSITION, THE INTENT IS TO BE IN WEST/EAST POSITION AND EXTEND ACROSS ALL 3 LANES (36') TO DIVERT TRAFFIC TO THE TURNOUT LANE TO THE WEST. WHEN CLOSED IN THE NORTH SOUTH POSITION IT WILL BLOCK THE TURNOUT LANE. GATE SHALL BE VISIBLE AT NIGHT (REFLECTIVE). CONTRACTOR SHALL OBTAIN AIRPORT APPROVAL OF PRODUCT AND INSTALLATION ORIENTATION PRIOR TO CONSTRUCTION.
13. MODULAR BUILDING PROVIDED BY OWNER.

Code:	Proposed	Requirement	Met: Y/N
Current Zoning:	INDUSTRIAL AND BUSINESS BUSINESS AND AVIATION OVERLAY DISTRICT	N/A	N/A
Lot Size:	12.89 AC (Lot 45 & 46 Only)	N/A	N/A
Building Height:	38 FT	Max 50 FT	Y
Dwelling Units:	0	Max 25 DUPA	Y
Setbacks	--		
Front:	30 FT	35 FT	Y
Side:	15 FT	15 FT	Y
Back	0 FT	0 FT	Y
ISR:	38% (213,737 SF)	90% (505,368 SF)	Y
Building Coverage:	36,854 SF	N/A	Y
Landscape:	--		
ROW Landscape Yard:	10 FT Buffer	10 Ft Buffer	Y
Interior Parking:	16,545	10% (-- SF)	Y
Open Space:	62% (347,784 SF)	15% (-- SF)	Y
Floor Area Ratio:	6.60%	N/A	Y
Parking Spaces:			
Vehicular:	240	193	Y
ADA Accessible:	9 Total, 4 Van	7 Total, At least 1 Van	Y
Off Street Loading:	--	0	Y

NOTE:
LOT SIZE, ISR, AND OPEN SPACE CALCULATIONS USING LOT 45 & 46 AREA ONLY. THE REMAINING CODE ITEMS INCLUDE LOTS 44, 45, AND 46.

ABBREVIATIONS

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

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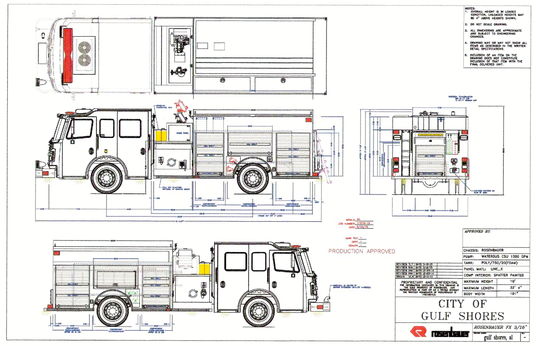
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ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM [illegible] IV

DRAWING TITLE
SITE LAYOUT PLAN

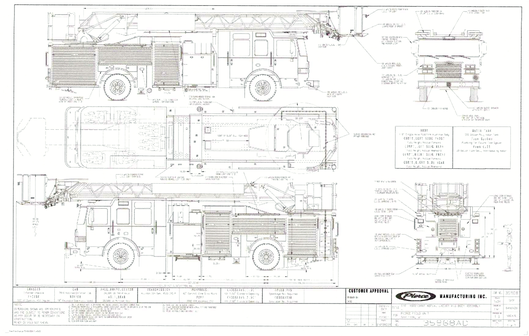
PROJECT #: 3110650

SHEET NUMBER
CS101

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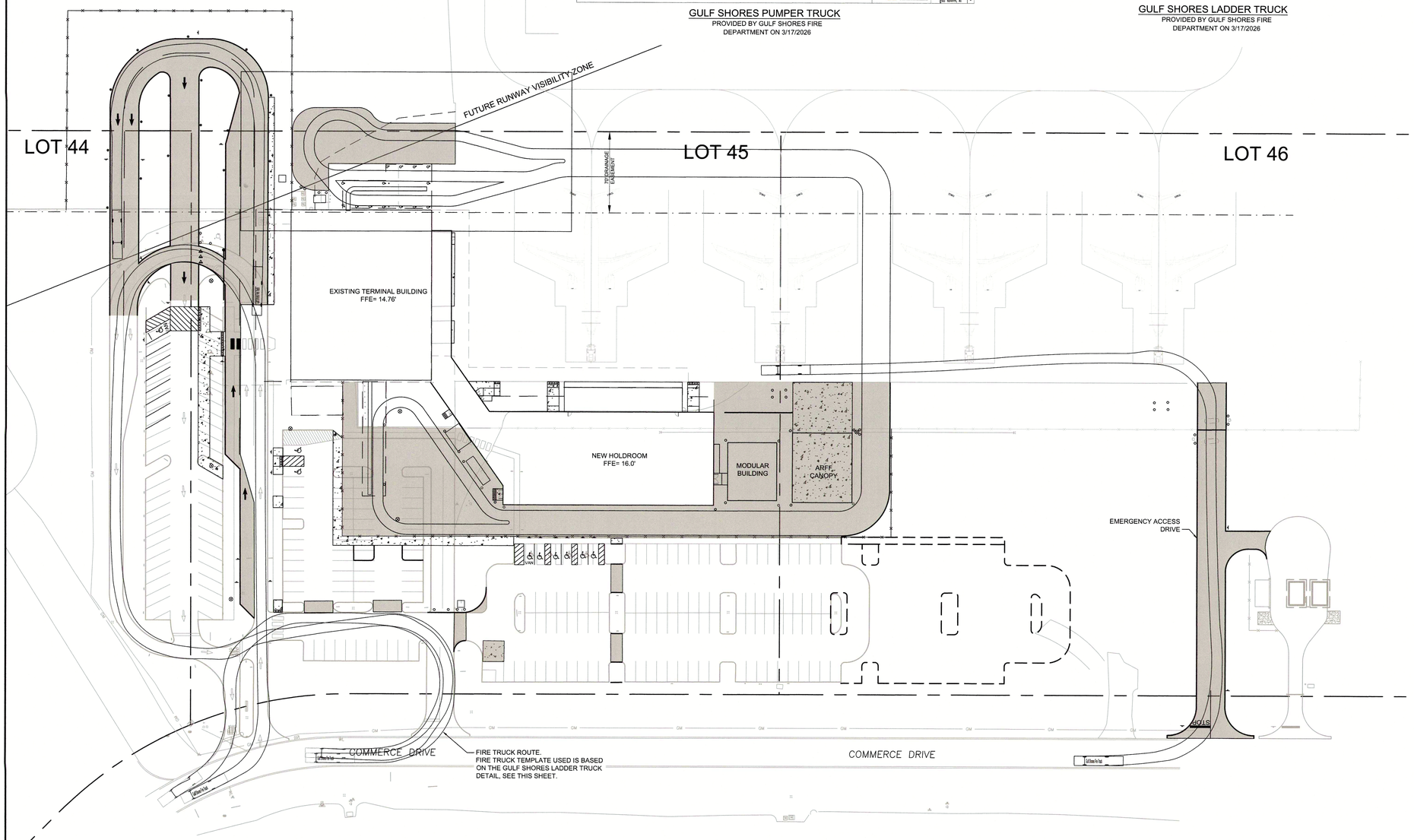
GULF SHORES PUMPER TRUCK
PROVIDED BY GULF SHORES FIRE
DEPARTMENT ON 3/17/2026



GULF SHORES LADDER TRUCK
PROVIDED BY GULF SHORES FIRE
DEPARTMENT ON 3/17/2026

LEGEND

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EXIST	EXISTING	SD	STORM DRAIN
F	FIRE WATER	ST	STORM PIPE
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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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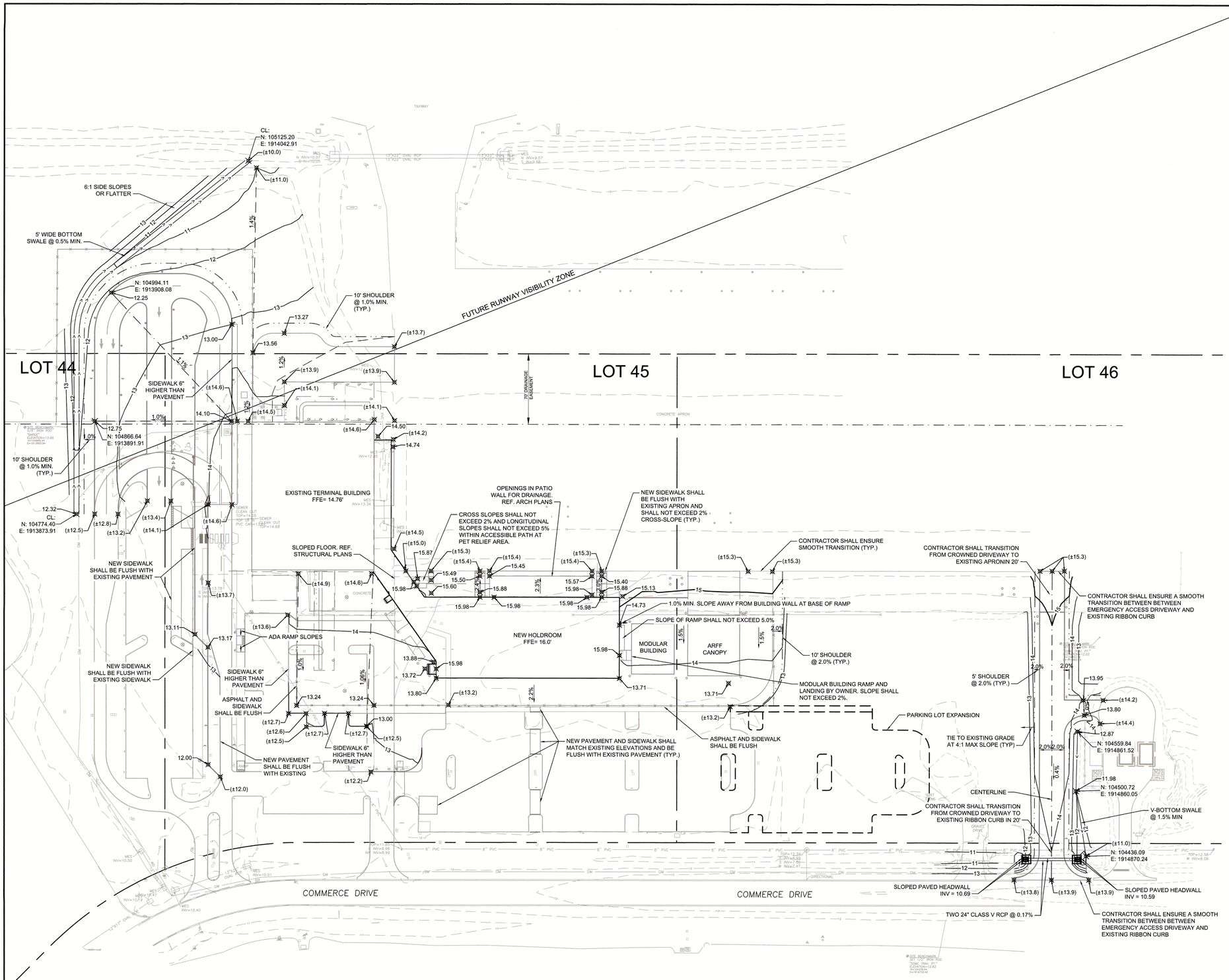
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM L. [illegible] 1/16/26

DRAWING TITLE
FIRE TRUCK MANEUVER SCHEMATIC

PROJECT #: 3110650

SHEET NUMBER
CS102

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LEGEND

12.34	SPOT ELEVATION
(±12.3)	EXISTING SPOT ELEVATION
12	PROPOSED CONTOUR
12	EXISTING CONTOUR
	SHOULDER
	SWALE BOTTOM
	GRADE CONTROL LINE
	EASEMENT
	PROPERTY LINE

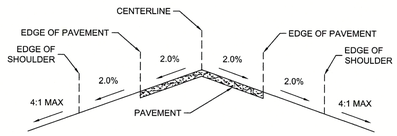
GRADING NOTES:

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

STORM DRAINAGE NOTES:

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

STORMWATER FROM THE SITE IS INTENDED TO DRAIN TOWARDS THE ROADSIDE SWALE ALONG COMMERCE DRIVE, FLOW TOWARDS THE EAST, AND THEN FLOW TOWARDS THE MASTER STORM WATER DETENTION POND TO THE SOUTH. STORMWATER FROM THE AREA NORTH AND WEST OF THE EXISTING TERMINAL BUILDING IS INTENDED TO DRAIN TOWARDS THE STORM CONVEYANCE SYSTEM INSIDE THE AIRPORT FACILITY.



EMERGENCY ACCESS DRIVEWAY CROSS-SECTION
N.T.S

ABBREVIATIONS

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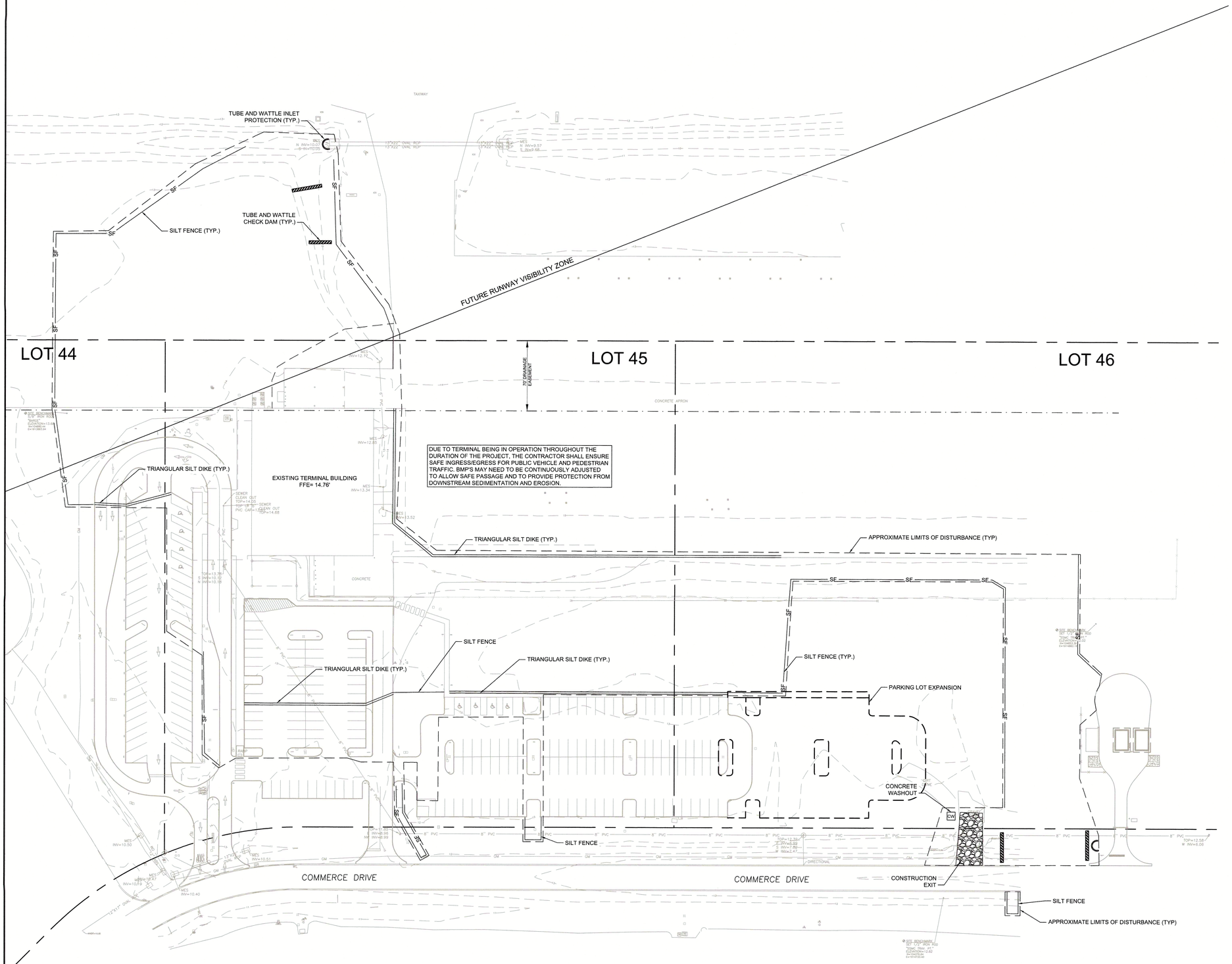
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM A. PETTY IV

DRAWING TITLE
SITE GRADING AND STORM DRAINAGE PLAN

PROJECT #: 3110650

SHEET NUMBER
CG101

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LEGEND

SF	SILT FENCE
	TRIANGULAR SILT DIKE
C	TUBE AND WATTLE INLET PROTECTION
	TUBE AND WATTLE CHECK DAM
CW	CONCRETE WASHOUT
	CONSTRUCTION EXIT
	LIMITS OF DISTURBANCE
	PROPERTY LINE

GENERAL EROSION CONTROL NOTES:

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

APPROXIMATE TOTAL DISTURBED AREA = 6.00 AC

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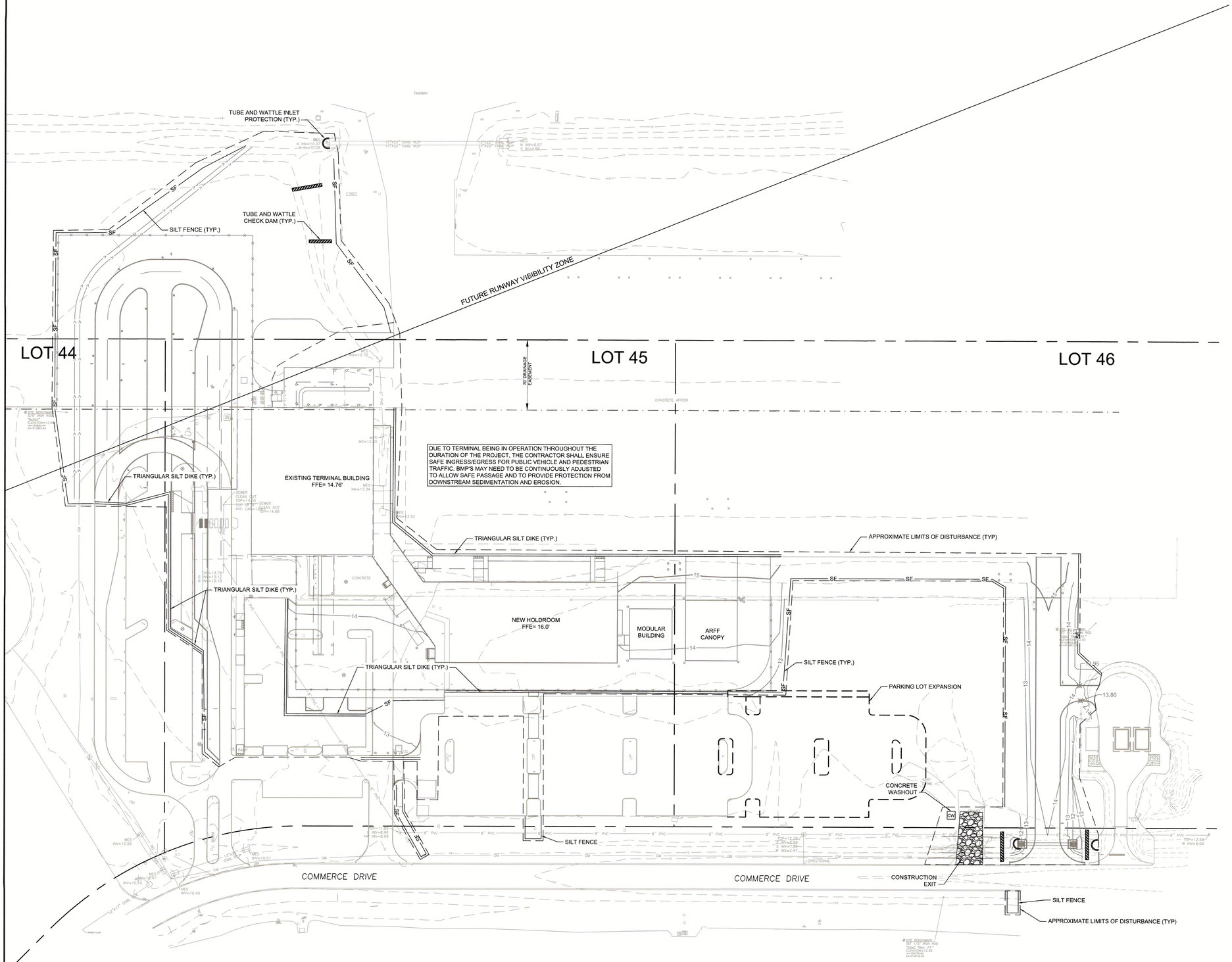
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM L. PRICE III
1 MAY 26

DRAWING TITLE
SITE EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

PROJECT #: 3110650

SHEET NUMBER
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- CONSTRUCTION EXIT
- LIMITS OF DISTURBANCE
- PROPERTY LINE

SEE SHEET CE101 FOR EROSION AND SEDIMENT CONTROL NOTES

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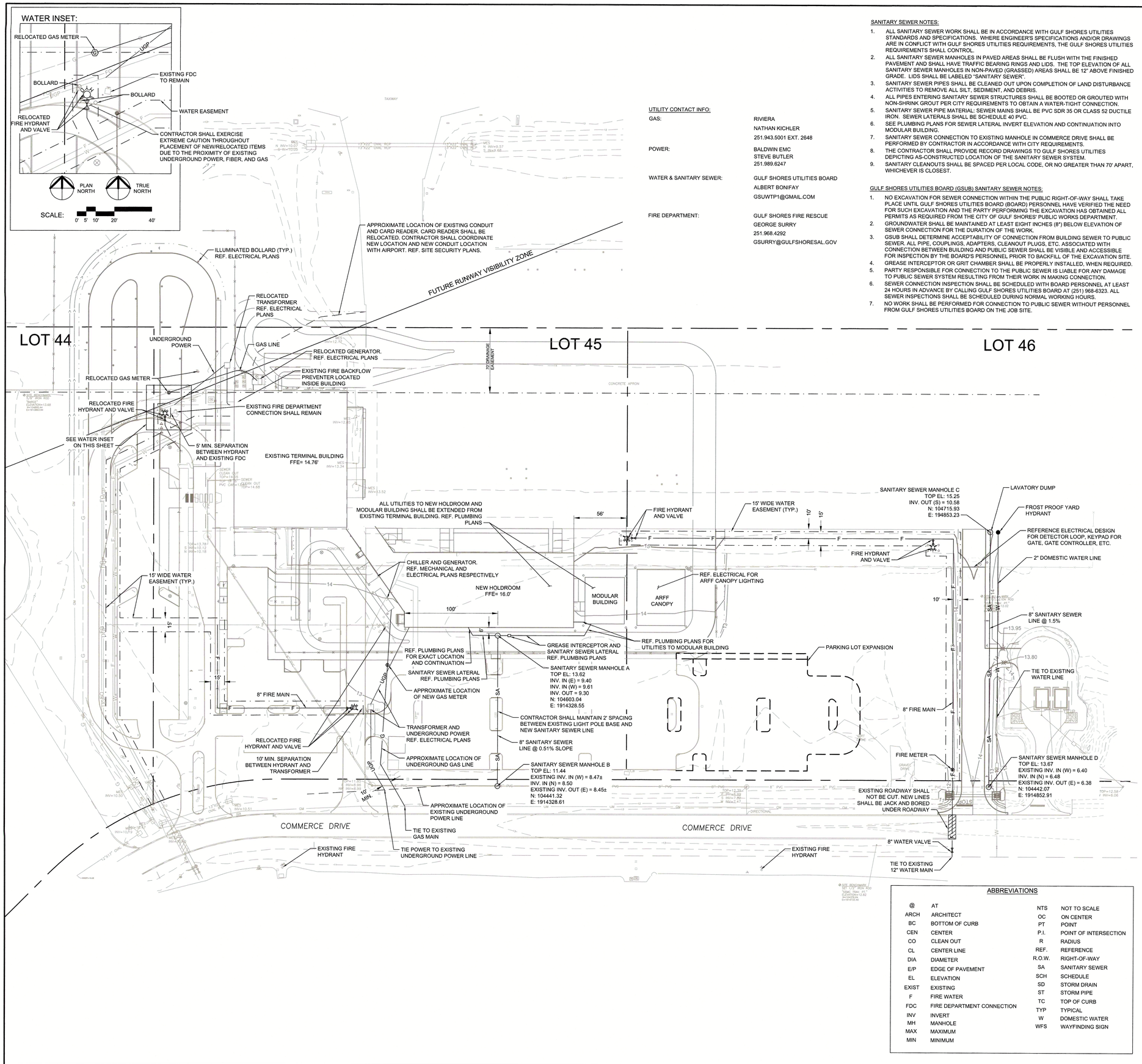
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM [illegible]

DRAWING TITLE
SITE EROSION AND SEDIMENT CONTROL PLAN - PHASE 2

PROJECT #: 3110650

SHEET NUMBER
CE102

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UTILITY CONTACT INFO:

GAS:	RIVIERA NATHAN KICHLER 251.943.5001 EXT. 2648
POWER:	BALDWIN EMC STEVE BUTLER 251.989.6247
WATER & SANITARY SEWER:	GULF SHORES UTILITIES BOARD ALBERT BONIFAY GSUWTP1@GMAIL.COM
FIRE DEPARTMENT:	GULF SHORES FIRE RESCUE GEORGE SURRY 251.968.4292 GSURRY@GULFSHORESAL.GOV

SANITARY SEWER NOTES:

1. ALL SANITARY SEWER WORK SHALL BE IN ACCORDANCE WITH GULF SHORES UTILITIES STANDARDS AND SPECIFICATIONS. WHERE ENGINEER'S SPECIFICATIONS AND/OR DRAWINGS ARE IN CONFLICT WITH GULF SHORES UTILITIES REQUIREMENTS, THE GULF SHORES UTILITIES REQUIREMENTS SHALL CONTROL.
2. ALL SANITARY SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE FINISHED PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND LIDS. THE TOP ELEVATION OF ALL SANITARY SEWER MANHOLES IN NON-PAVED (GRASSED) AREAS SHALL BE 12" ABOVE FINISHED GRADE. LIDS SHALL BE LABELED "SANITARY SEWER".
3. SANITARY SEWER PIPES SHALL BE CLEANED OUT UPON COMPLETION OF LAND DISTURBANCE ACTIVITIES TO REMOVE ALL SILT, SEDIMENT, AND DEBRIS.
4. ALL PIPES ENTERING SANITARY SEWER STRUCTURES SHALL BE BOOTED OR GROUTED WITH NON-SHRINK GROUT PER CITY REQUIREMENTS TO OBTAIN A WATER-TIGHT CONNECTION.
5. SANITARY SEWER PIPE MATERIAL: SEWER MAINS SHALL BE PVC SDR 35 OR CLASS 52 DUCTILE IRON. SEWER LATERALS SHALL BE SCHEDULE 40 PVC.
6. SEE PLUMBING PLANS FOR SEWER LATERAL INVERT ELEVATION AND CONTINUATION INTO MODULAR BUILDING.
7. SANITARY SEWER CONNECTION TO EXISTING MANHOLE IN COMMERCE DRIVE SHALL BE PERFORMED BY CONTRACTOR IN ACCORDANCE WITH CITY REQUIREMENTS.
8. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO GULF SHORES UTILITIES DEPICTING AS-CONSTRUCTED LOCATION OF THE SANITARY SEWER SYSTEM.
9. SANITARY CLEANOUTS SHALL BE SPACED PER LOCAL CODE, OR NO GREATER THAN 70' APART, WHICHEVER IS CLOSEST.

GULF SHORES UTILITIES BOARD (GSUB) SANITARY SEWER NOTES:

1. NO EXCAVATION FOR SEWER CONNECTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL TAKE PLACE UNTIL GULF SHORES UTILITIES BOARD (BOARD) PERSONNEL HAVE VERIFIED THE NEED FOR SUCH EXCAVATION AND THE PARTY PERFORMING THE EXCAVATION HAS OBTAINED ALL PERMITS AS REQUIRED FROM THE CITY OF GULF SHORES' PUBLIC WORKS DEPARTMENT.
2. GROUNDWATER SHALL BE MAINTAINED AT LEAST EIGHT INCHES (8") BELOW ELEVATION OF SEWER CONNECTION FOR THE DURATION OF THE WORK.
3. GSUB SHALL DETERMINE ACCEPTABILITY OF CONNECTION FROM BUILDING SEWER TO PUBLIC SEWER. ALL PIPE, COUPLINGS, ADAPTERS, CLEANOUT PLUGS, ETC. ASSOCIATED WITH CONNECTION BETWEEN BUILDING AND PUBLIC SEWER SHALL BE VISIBLE AND ACCESSIBLE FOR INSPECTION BY THE BOARD'S PERSONNEL PRIOR TO BACKFILL OF THE EXCAVATION SITE.
4. GREASE INTERCEPTOR OR GRIT CHAMBER SHALL BE PROPERLY INSTALLED, WHEN REQUIRED.
5. PARTY RESPONSIBLE FOR CONNECTION TO THE PUBLIC SEWER IS LIABLE FOR ANY DAMAGE TO PUBLIC SEWER SYSTEM RESULTING FROM THEIR WORK IN MAKING CONNECTION.
6. SEWER CONNECTION INSPECTION SHALL BE SCHEDULED WITH BOARD PERSONNEL AT LEAST 24 HOURS IN ADVANCE BY CALLING GULF SHORES UTILITIES BOARD AT (251) 968-6323. ALL SEWER INSPECTIONS SHALL BE SCHEDULED DURING NORMAL WORKING HOURS.
7. NO WORK SHALL BE PERFORMED FOR CONNECTION TO PUBLIC SEWER WITHOUT PERSONNEL FROM GULF SHORES UTILITIES BOARD ON THE JOB SITE.

LEGEND

W	WATER LINE
F	FIRE LINE
SA	SANITARY SEWER LINE
G	GAS LINE
	FIRE HYDRANT
	GATE VALVE
	EASEMENT
	PROPERTY LINE

GENERAL UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY LINES DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. COORDINATES OR DIMENSIONS SHOWN ARE TO CENTER LINE OF PIPE OR FITTING OR TO CENTER LINE OF STRUCTURE UNLESS OTHERWISE NOTED.
3. LINES SHALL BE INSTALLED, INSPECTED, TESTED, AND APPROVED BEFORE BACKFILLING. CONTRACTOR SHALL COORDINATE UTILITY INSPECTION AND TESTING WITH APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON AVAILABLE SURVEY INFORMATION. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
5. THE CONTRACTOR SHALL MAINTAIN UTILITY AS-BUILT PLANS DURING CONSTRUCTION AND SHALL PROVIDE TO OWNER, UTILITY, AND ENGINEER UPON CONSTRUCTION COMPLETION.
6. UTILITY SLEEVES (E.G. IRRIGATION, SITE LIGHTING, ETC.) SHALL BE INSTALLED WITH TRACER WIRE ABOVE PIPES.
7. EXISTING UTILITY INFORMATION WAS TAKEN FROM THE SURVEY BY SSMC IN 2026 AND FROM THE ORIGINAL TERMINAL CIVIL DESIGN PLANS IN 2025.

POWER NOTES:

1. REFERENCE ELECTRICAL PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
2. ALL PRIMARY AND SECONDARY SERVICE LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR COORDINATION PURPOSES ONLY.
3. POWER COMPANY SHALL:
   a. PROVIDE AND INSTALL NEW TRANSFORMER AND METER AT BUILDING.
   b. PROVIDE TO THE CONTRACTOR SPECIFICATIONS FOR TRANSFORMER PAD, CONDUIT MANHOLE, PULL BOXES, ETC.
   c. PULL AND INSTALL ALL PRIMARY CABLE IN CONDUITS.
   d. PROVIDE AND INSTALL ALL OVERHEAD POWER AND UTILITIES, IF ANY.
   e. PROVIDE AND INSTALL ALL NEW UTILITY POLES, IF ANY.
   f. REMOVE AND PROPERLY DISPOSE OF ALL EXISTING LINES, POLES, GUY WIRES, ETC. THAT CONFLICT WITH THE NEW IMPROVEMENTS.
   g. REMOVE AND PROPERLY DISPOSE OF TRANSFORMERS INCLUDING TRANSFORMERS THAT MAY CONTAIN PCB'S.
4. CONTRACTOR SHALL:
   a. MEET WITH POWER COMPANY PRIOR TO BEGINNING SITEWORK.
   b. PROVIDE ALL MATERIAL AND LABOR FOR SECONDARY SERVICE FROM TRANSFORMER TO BUILDING. COST, IF ANY, TO BE PAID BY OWNER.
   c. PROVIDE AND INSTALL ALL APPARATUSES TO INCLUDE BUT NOT LIMITED TO TWO 5" DIAMETER SCHEDULE 40 CONDUITS WITH PULL WIRE/STRING, TRANSFORMER PAD, ETC., PER POWER COMPANY SPECIFICATIONS.
   d. CONTRACTOR TO COORDINATE ALL MATERIALS AND SERVICE LOCATIONS WITH THE POWER COMPANY SPECIFICATIONS.
   e. PROVIDE ALL UTILITY TRENCHES AND BACKFILL PER THE POWER COMPANY SPECIFICATIONS AND THE SITE WORK SPECIFICATIONS.
   f. BE RESPONSIBLE FOR ANY FEES AND COSTS ASSOCIATED WITH NEW AND/OR RELOCATED POWER SERVICES.
5. OWNER TO DEDICATE AN EASEMENT CENTERED ON LOT LINES AND PROPERTY LINES FOR THE PURPOSES OF OVERHEAD AND UNDERGROUND UTILITIES. OWNER TO COORDINATE WITH POWER COMPANY.

WATER NOTES:

1. ALL WATER WORK SHALL BE IN ACCORDANCE WITH GULF SHORES UTILITIES STANDARDS AND SPECIFICATIONS. WHERE ENGINEER'S SPECIFICATIONS AND/OR DRAWINGS ARE IN CONFLICT WITH GULF SHORES UTILITIES REQUIREMENTS, THE GULF SHORES UTILITIES REQUIREMENTS SHALL CONTROL.
2. FIRE PROTECTION WATER MAINS 3" IN DIAMETER AND LARGER SHALL BE PVC SDR 21 CLASS 200 OR DUCTILE IRON (PRESSURE CLASS 350) WITH CLASS 51 FITTINGS. FITTINGS SHALL BE MECHANICAL JOINT WITH MECHANICAL JOINT RESTRAINTS. GATE VALVES SHALL BE RESILIENT SEAT MECHANICAL JOINT WITH 2" OPERATING NUT (E.G. MUELLER, CLOW, OR M&H).
3. DOMESTIC WATER LINES LESS THAN 3" IN DIAMETER SHALL BE PVC WITH A MINIMUM PRESSURE RATING OF 200 PSI AND AN SDR OF 21, DUCTILE IRON PIPE CLASS 51, OR TYPE K COPPER TUBING. FITTINGS SHALL BE DUCTILE IRON.
4. TRACING WIRE AND/OR MARKING TAPE SHALL BE INSTALLED OVER ALL WATER LINES PER GULF SHORES UTILITIES REQUIREMENTS. PIPELINE MARKERS SHALL BE INSTALLED PER GULF SHORES UTILITIES REQUIREMENTS.
5. WATER MAIN SHALL HAVE A MINIMUM 36" COVER OVER PIPE, SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18" WHEN CROSSING UNDER OTHER UNDERGROUND LINES, AND A MINIMUM HORIZONTAL SEPARATION OF 5 FEET FROM OTHER UNDERGROUND LINES.
6. CONNECTION TO EXISTING WATER MAIN ON THE OPPOSITE SIDE OF COMMERCE DRIVE SHALL BE PERFORMED BY JACK & BORE OR DIRECTIONAL DRILLING. OPEN CUT OF THE ROADWAY WILL NOT BE PERMITTED. PIPE UNDER ROADWAY SHALL BE DUCTILE IRON.
7. THE CONTRACTOR SHALL MAKE THE TAPS TO THE EXISTING MAIN IN THE PRESENCE OF GULF SHORES UTILITIES.
8. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO GULF SHORES UTILITIES DEPICTING AS-CONSTRUCTED LOCATION OF THE WATER SYSTEM.
9. THE CONTRACTOR SHALL COORDINATE WITH GULF SHORES UTILITIES AND THE FIRE DEPARTMENT TO OBSERVE/INSPECT THE FIRE PROTECTION AND DOMESTIC LINES PRIOR TO BACKFILL OF TRENCHES. ALL WORK (PIPES, FITTINGS, RESTRAINED JOINTS, THRUST BLOCKS, VALVES, HYDRANTS, ETC.) MUST BE APPROVED PRIOR TO THE CONTRACTOR BACKFILLING THE TRENCHES. FAILURE OF THE CONTRACTOR TO OBTAIN THIS APPROVAL WILL RESULT IN THE CONTRACTOR BEING REQUIRED TO EXPOSE THE BELOW-GROUND WORK FOR INSPECTION, AT THE CONTRACTOR'S EXPENSE.

GAS NOTES:

1. GAS COMPANY SHALL INSTALL ALL GAS LINES AND APPURTENANCES INCLUDING LINES, METER, AND PRIMARY REGULATOR.
2. CONTRACTOR SHALL EXCAVATE TRENCH FOR GAS COMPANY INSTALLATION OF GAS LINES AND SHALL BACKFILL TRENCH UPON COMPLETION OF INSTALLATION OF GAS LINES. CONTRACTOR SHALL MAKE THE FINAL CONNECTION AT THE METER POINT UPON PASSING FINAL INSPECTION. CONTRACTOR SHALL PROVIDE ADDITIONAL REGULATOR/ REDUCER TO REDUCE GAS PRESSURE FROM 5 PSI AT THE METER TO MEET THE GENERATOR'S REQUIRED PRESSURE.

ABBREVIATIONS

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

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PLAN NORTH TRUE NORTH

SCALE: 0' 10' 20' 40' 80'

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1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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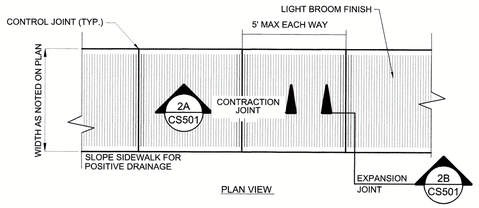
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM R. GRAY IV

DRAWING TITLE
SITE UTILITY PLAN

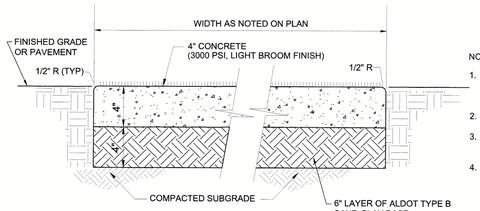
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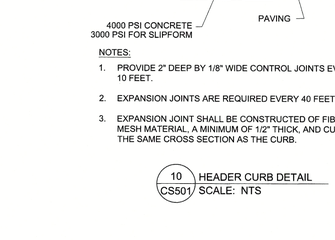
PLAN VIEW



NOTES:

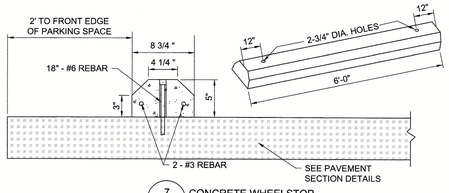
1. CONCRETE SHALL BE LIGHT BROOM FINISH. PATTERN OF BROOM TO BE PERPENDICULAR WITH PEDESTRIAN TRAFFIC.
2. CROSS SLOPE SHALL NOT EXCEED 2.0%.
3. LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0%
4. CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304,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

1 / CS501 CONCRETE SIDEWALK DETAIL
SCALE: NTS

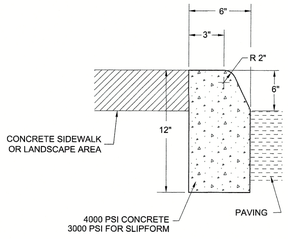


NOTE: PREFORMED ½" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 18' CENTERS AND ½" CONTRACTION JOINTS EQUALLY SPACED AT 6' CENTERS BETWEEN EXPANSION JOINTS.

5 / CS501 SIDEWALK WITH THICKENED EDGE
SCALE: NTS



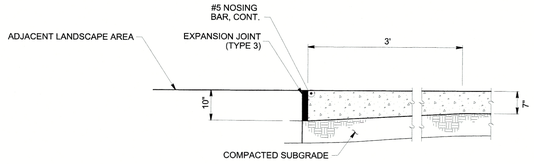
7 / CS501 CONCRETE WHEELSTOP
SCALE: NTS



NOTES:

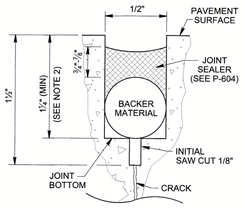
1. PROVIDE 2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 10 FEET.
2. EXPANSION JOINTS ARE REQUIRED EVERY 40 FEET.
3. EXPANSION JOINT SHALL BE CONSTRUCTED OF FIBER MESH MATERIAL, A MINIMUM OF 1/2" THICK, AND CUT TO THE SAME CROSS SECTION AS THE CURB.

10 / CS501 HEADER CURB DETAIL
SCALE: NTS

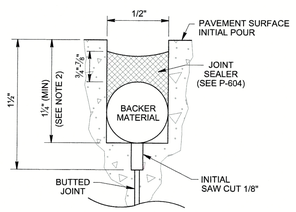


THICKENED EDGE DETAIL - CONCRETE PAVEMENT
NOT TO SCALE

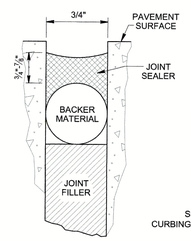
CONTRACTION JOINT TYPE 1



CONSTRUCTION JOINT TYPE 2



EXPANSION JOINT TYPE 3

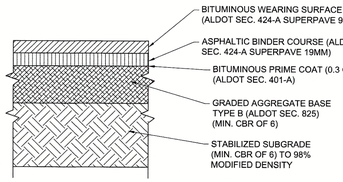


JOINT SEALANT DETAILS
NOT TO SCALE

NOTES:

1. TOP OF SEALANT TO BE ¼" BELOW TOP OF PAVEMENT.
2. SEALANT RESERVOIR TO BE SIZED TO PROVIDE PROPER SHAPE FACTOR IN ACCORDANCE WITH SEALANT MANUFACTURER'S RECOMMENDATIONS. MINIMUM DIMENSIONS SHOWN.

2 / CS501 JOINT DETAILS
SCALE: NTS

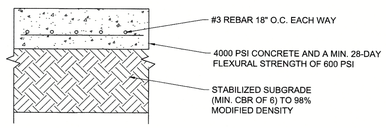


PAVEMENT LAYER	THICKNESS
WEARING SURFACE	1.5"
BINDER COURSE	1.5"
GRADED AGGREGATE BASE	8"
STABILIZED SUBGRADE	12"

NOTES:

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

6 / CS501 ASPHALT PAVEMENT DETAIL
SCALE: NTS

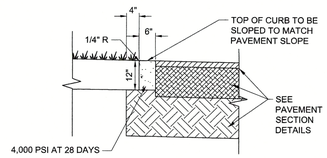


PAVEMENT LAYER	THICKNESS
CONCRETE	6"
STABILIZED SUBGRADE	12"

NOTES:

1. CONCRETE PAVEMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
2. THICKNESS REFERS TO FINAL COMPACTED THICKNESS.
3. MAXIMUM CONTROL JOINT SPACING 12' X 12'.
4. THICKENED EDGE SHALL ABUT ALL ADJACENT PAVEMENTS.

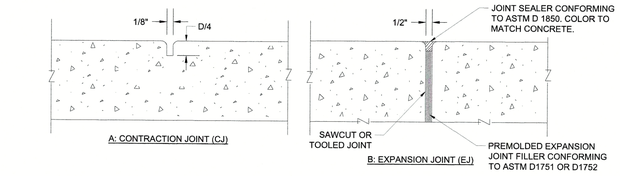
8 / CS501 HEAVY DUTY CONCRETE PAVEMENT (ON SITE ONLY)
SCALE: NTS



NOTES:

1. EXPANSION JOINTS SHALL BE SPACED AT 50' O.C. SEE TYPICAL EXPANSION JOINT DETAILS.
2. PROVIDE ¾" - 1" CONTRACTION JOINTS AT 10' ON CENTER. JOINTS ADJACENT TO CONCRETE PAVEMENT (E.G. SIDEWALK) TO MATCH PAVEMENT JOINTS.
3. EXACT CURB DIMENSIONS MAY BE ALTERED SLIGHTLY TO FIT STANDARD EXTRUDED CURB MACHINES.
4. SEE TYPICAL PAVEMENT DETAIL FOR PAVEMENT INFORMATION. STABILIZED SUBGRADE SHALL EXTEND UNDER RIBBON CURB.
5. CONTRACTOR TO PROVIDE PRIME COAT AND TACK COAT TO FACE OF CURB WHERE CURB CONTACTS ASPHALT.

11 / CS501 RIBBON CURB
SCALE: NTS



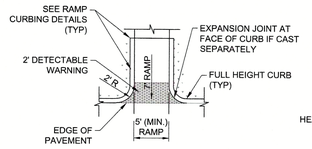
A: CONTRACTION JOINT (CJ)

B: EXPANSION JOINT (EJ)

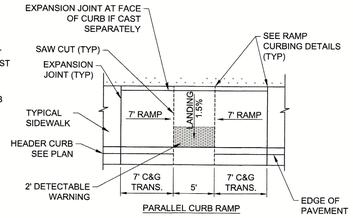
NOTES:

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

3 / CS501 EXPANSION / CONTRACTION JOINT
SCALE: NTS

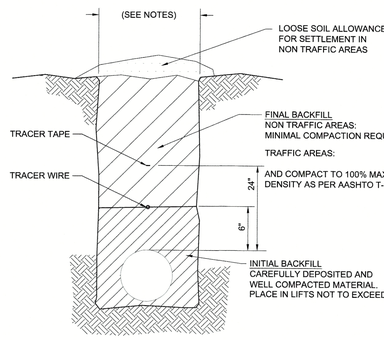


PERPENDICULAR CURB RAMP



PARALLEL CURB RAMP

4 / CS501 ADA CURB RAMP
SCALE: NTS



NOTES:

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

9 / CS501 TRENCH DETAIL - TYPICAL
SCALE: NTS

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1	CONSTRUCTION DOCUMENTS	05/01/2026

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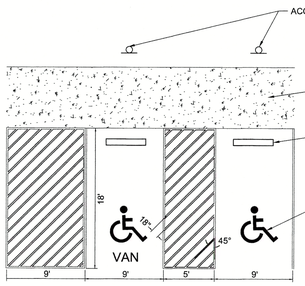
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM [illegible]

DRAWING TITLE
SITE DETAILS

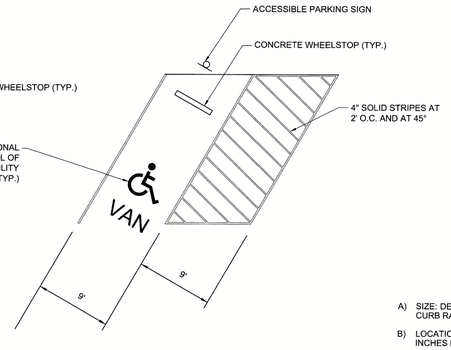
PROJECT #: 3110650

SHEET NUMBER
CS501

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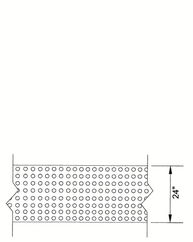
90° ACCESSIBLE PARKING STRIPING



ANGLED ACCESSIBLE PARKING STRIPING

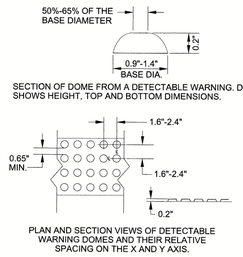
NOTE: STRIPING AND PAVEMENT MARKINGS SHALL BE BLUE

1 / CS502 ACCESSIBLE PARKING DETAIL
SCALE: NTS



PLAN VIEW OF A DETECTABLE WARNING SURFACE SHOWING DOMES ALIGNED IN ROWS, NOT SKEWED DIAGONALLY

FIGURE 1- DOME ALIGNMENT



SECTION OF DOME FROM A DETECTABLE WARNING. DRAWING SHOWS HEIGHT, TOP AND BOTTOM DIMENSIONS.

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

FIGURE 2- DOME SPACING

A) SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

B) LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD.

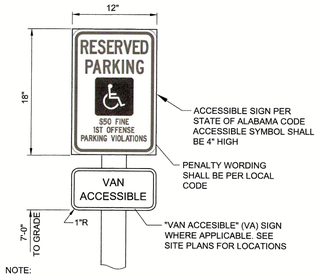
C) DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM AND 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH. A CENTER-TO-CENTER DOME SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

D) DOME ALIGNMENT: DOMES SHALL BE ALIGNED IN A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

E) VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT OR THE DETECTABLE WARNING SHALL BE "SAFETY YELLOW". THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE (OWNER MUST APPROVE COLOR PRIOR TO ORDERING.)

F) MATERIAL: COMPOSITE TILES AT A NOMINAL DEPTH OF 0.4 INCH MAY BE USED OR 4 INCH BY 8 INCH CONCRETE PAVERS AT 2.4 INCHES DEEP PLACED IN A BASKET WEAVE PATTERN.

2 / CS502 DETECTABLE WARNING DETAIL
SCALE: NTS

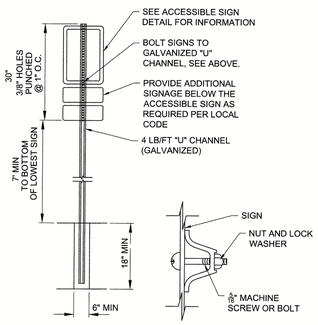


NOTE:

1) MOUNT EACH SIGN W/2 5/16" GALV. STL. BOLTS TO STEEL POLE SET 1'-6" MIN. BELOW FINISH GRADE.

2) ACCESSIBLE SIGNS SHALL BE LOCATED 2' BEHIND EDGE OF PAVEMENT.

3 / CS502 ACCESSIBLE PARKING SIGN DETAIL
SCALE: NTS

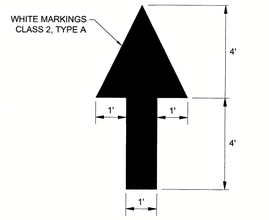


4 / CS502 SIGN INSTALLATION DETAIL
SCALE: NTS

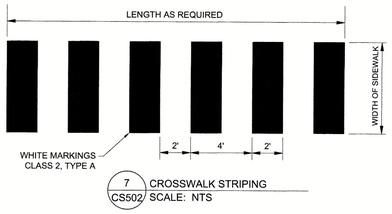
NOTES:

1. SPACING AT MECHANICAL UNITS SHALL BE 3' MIN.

5 / CS502 BOLLARD
SCALE: NTS

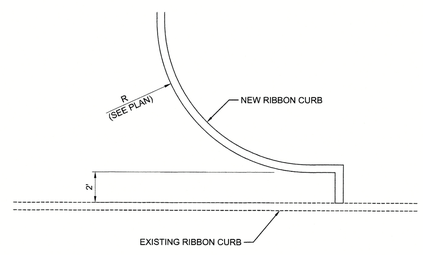


6 / CS502 TRAFFIC ARROW
SCALE: NTS

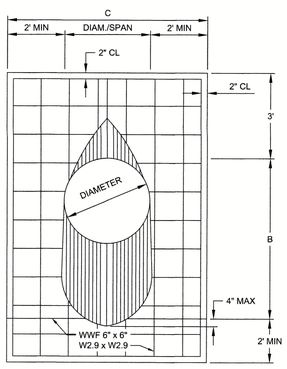


7 / CS502 CROSSWALK STRIPING
SCALE: NTS

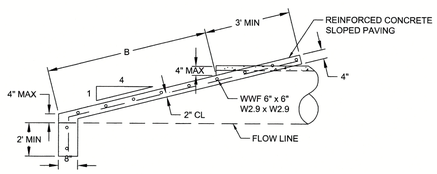
8 / CS502 STOP BAR DETAIL
SCALE: NTS



9 / CS502 RIBBON CURB CONNECTION IN R.O.W.
SCALE: NTS



DIMENSIONS AND QUANTITIES					
PIPE SIZE	AREA SQ. FT.	SLOPE	B	C	CU. YDS. ONE BBL
15" Ø	1.2	4:1	2' - 5"	5' - 3"	0.92
18" Ø	1.8	4:1	3' - 6"	5' - 6"	1.06
24" Ø	3.1	4:1	5' - 6"	6' - 0"	1.32
30" Ø	4.9	4:1	7' - 7"	6' - 6"	1.60
36" Ø	7.1	4:1	9' - 8"	7' - 0"	1.86
42" Ø	9.6	4:1	11' - 9"	7' - 6"	2.20
48" Ø	12.6	4:1	13' - 9"	8' - 0"	2.40
54" Ø	15.9	4:1	15' - 10"	8' - 6"	2.60



NOTES:

1. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.

2. 5' SOLID SOD TO BE PLACED ON ALL SIDES OF SLOPED PAVED HEADWALLS.

3. CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED.

10 / CS502 SLOPED PAVED HEADWALL
SCALE: NTS

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
3	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

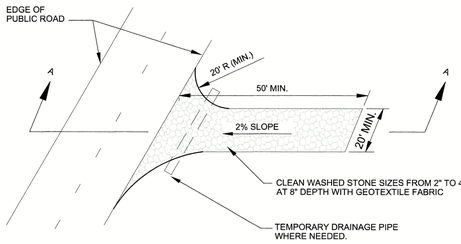
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ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM A. [illegible] 5/1/26

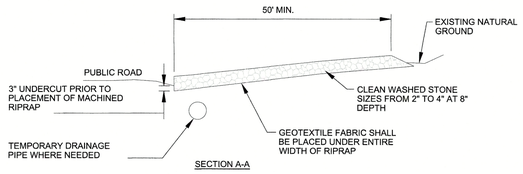
DRAWING TITLE
SITE DETAILS

PROJECT #: 3110650

SHEET NUMBER
CS502



PLAN VIEW OF TEMPORARY CONSTRUCTION EXIT

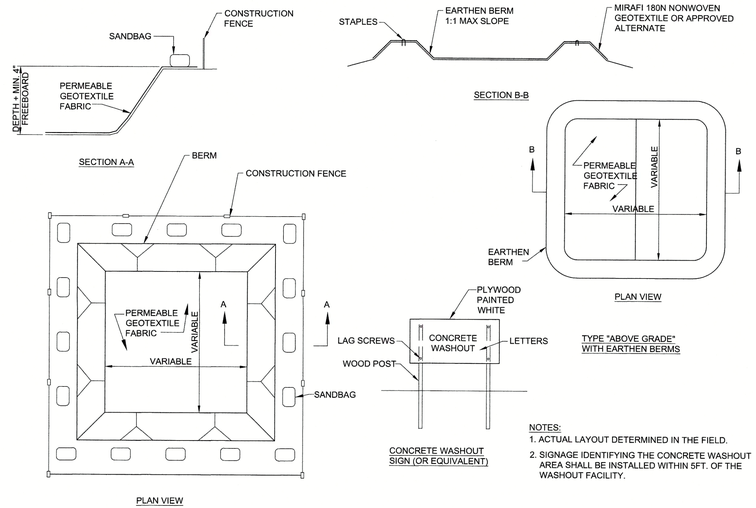


SECTION A-A

NOTES:

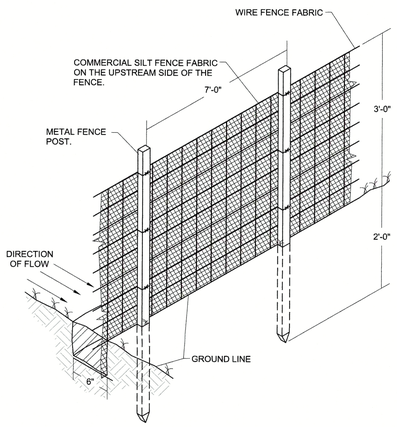
1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 2 INCH TO 4 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 8 INCHES.
4. THE WIDTH OF THE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

1 / CS503 CONSTRUCTION EXIT
SCALE: NTS



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

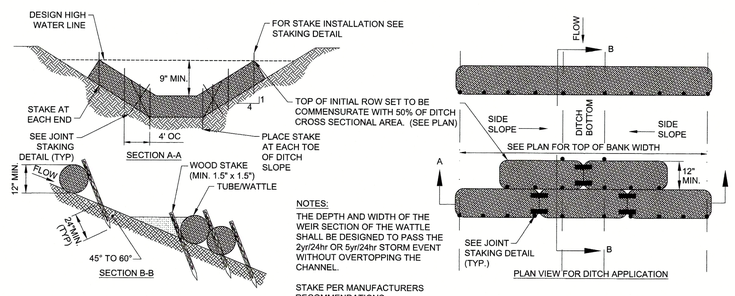
2 / CS503 CONCRETE WASHOUT
SCALE: NTS



NOTES:

1. EXCAVATE THE TRENCH 6" BELOW THE EXISTING GROUND LINE.
2. INSTALL THE FABRIC TO THE BOTTOM OF THE TRENCH
3. BACKFILL AND COMPACT THE TRENCH, COVERING THE FABRIC.
4. CONTINUOUSLY REMOVE TRAPPED SEDIMENT.

3 / CS503 SILT FENCE
SCALE: NTS



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

STAKE PER MANUFACTURERS RECOMMENDATIONS.

4 / CS503 TUBE & WATTLE CHECK DAM
SCALE: NTS

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TERMINAL 1.5

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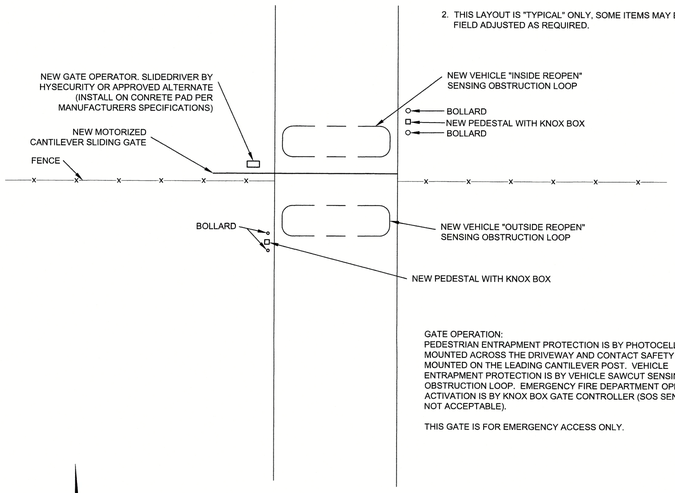
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM L. [illegible] IV
1/27/26

DRAWING TITLE
SITE DETAILS

PROJECT #: 3110650

SHEET NUMBER
CS503

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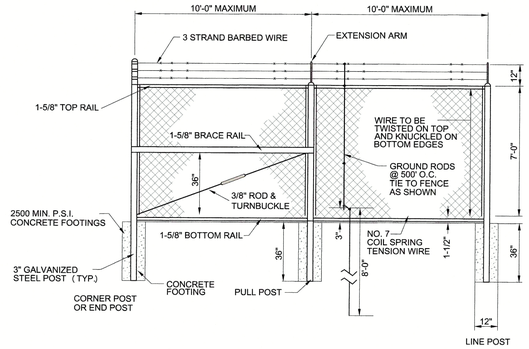


NOTES:
1. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND CABLES IN CONDUIT AND SHALL BE RESPONSIBLE FOR SIZING THE CONDUITS.
2. THIS LAYOUT IS "TYPICAL" ONLY, SOME ITEMS MAY BE FIELD ADJUSTED AS REQUIRED.

GATE OPERATION:
PEDESTRIAN ENTRAPMENT PROTECTION IS BY PHOTOCELL MOUNTED ACROSS THE DRIVEWAY AND CONTACT SAFETY EDGE MOUNTED ON THE LEADING CANTILEVER POST. VEHICLE ENTRAPMENT PROTECTION IS BY VEHICLE SAWCUT SENSING OBSTRUCTION LOOP. EMERGENCY FIRE DEPARTMENT OPEN ACTIVATION IS BY KNOX BOX GATE CONTROLLER (SOS SENSOR IS NOT ACCEPTABLE).

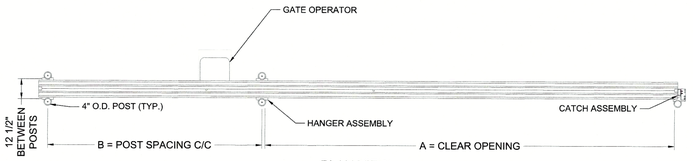
THIS GATE IS FOR EMERGENCY ACCESS ONLY.

1 / CS504 MOTORIZED GATE
SCALE: NTS

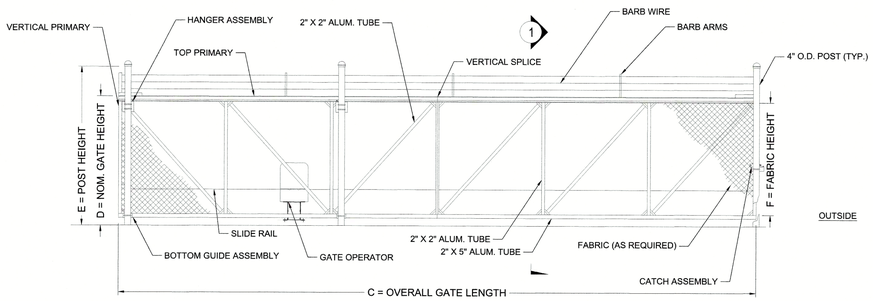


NOTES:
1. END AND CORNER POSTS SHALL BE 3" OUTSIDE DIAMETER.
2. BRACE POSTS SHALL BE 3" OUTSIDE DIAMETER AND INSTALLED EVERY 500 FEET.
3. LINE POSTS AND BRACE RAILS SHALL BE 2" OUTSIDE DIAMETER.
4. TOP RAIL SHALL BE 1-5/8" OUTSIDE DIAMETER.

2 / CS504 CHAIN LINK SECURITY FENCE
SCALE: NTS



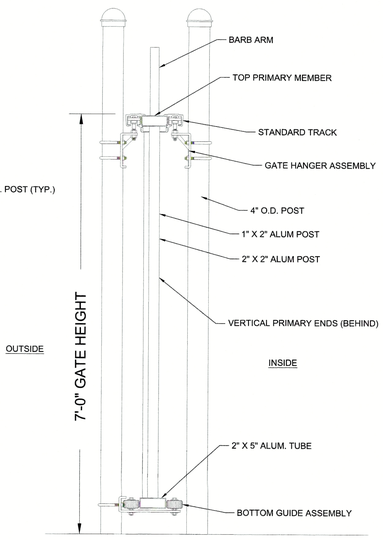
PLAN VIEW
NOT TO SCALE



FRONT ELEVATION
NOT TO SCALE

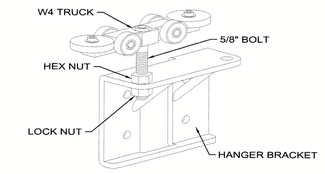
CRITICAL DIMENSION CHART					
A	CLEAR OPENING	24'-0"	D	NOMINAL GATE HEIGHT	7'-0"
B	POST SPACEING C/C	11'-1"	E	POST HEIGHT	8'-0"
C	OVERALL GATE LENGTH	36'-0"	F	FABRIC HEIGHT	7'-0"

ALUMINUM MOTORIZED SLIDING GATE
NOT TO SCALE

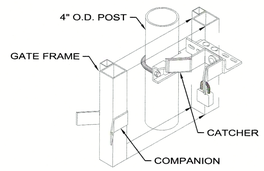


ASSEMBLY SECTION
NOT TO SCALE

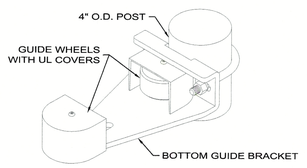
3 / CS504 MOTORIZED SLIDING GATE
SCALE: NTS



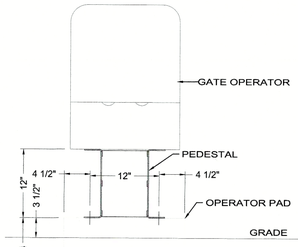
GATE HANGER ASSEMBLY
NOT TO SCALE



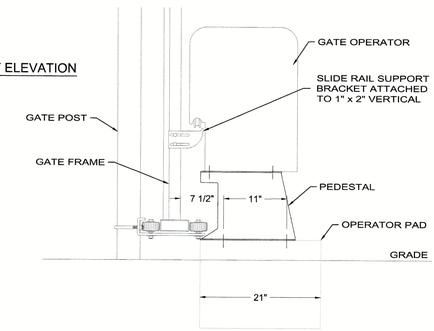
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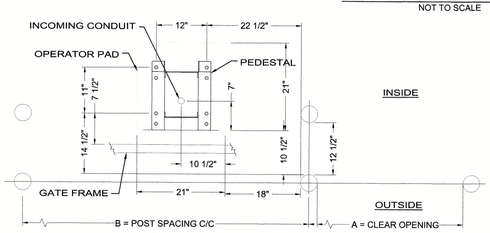
BOTTOM GUIDE ASSEMBLY
NOT TO SCALE



GATE OPERATOR FRONT ELEVATION
NOT TO SCALE



GATE OPERATOR SIDE ELEVATION
NOT TO SCALE



NOTES:
1. GATE OPERATOR, LOOPS, AND RELATED EQUIPMENT IS SHOWN FOR BIDDING PURPOSES ONLY. REFERENCE ELECTRICAL PLANS FOR DESIGN.

GATE OPERATOR PAD LAYOUT PLAN
NOT TO SCALE

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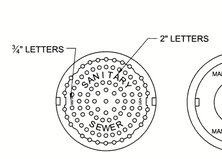
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ALABAMA LICENSED No. 25133 PROFESSIONAL ENGINEER WILLIAM [illegible] IV
5/4/26

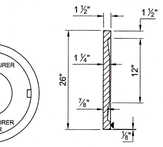
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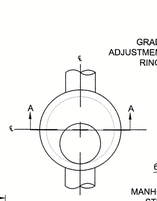
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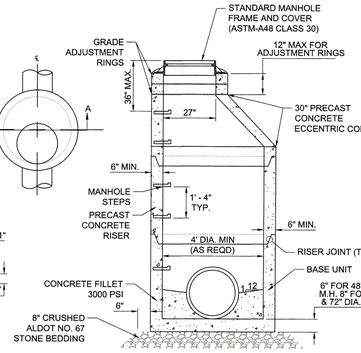
SHEET NUMBER
CS504

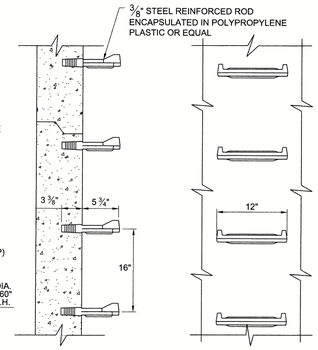
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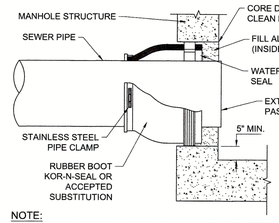




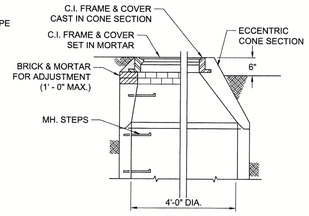


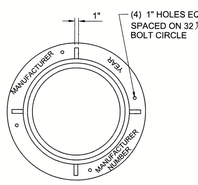


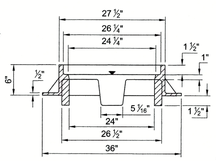


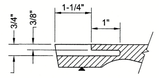


NOTE:
ALL PIPES SHALL BE CONNECTED TO MANHOLES BY RUBBER BOOT PROVIDED IN A CORED OR PRECAST HOLE OF THE PROPER DIAMETER



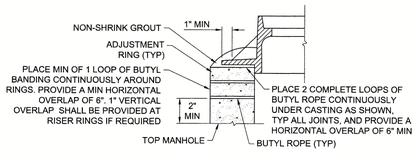


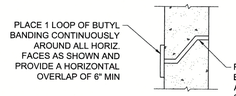


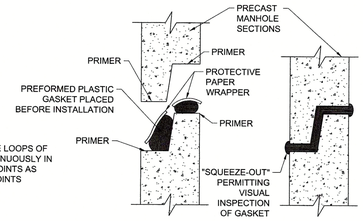


(2) TYPE TWO NON-PENETRATING PICKHOLES

NOTES:
1. ALL ELEMENTS PRECAST TO MEET SPECIFICATION ASTM C-478 LATEST REVISION
2. STANDARD FRAME AND COVER SHALL BE INSTALLED ON STANDARD MANHOLE UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
3. FLEXIBLE JOINT SEALANTS SHALL BE PLACED BEFORE INSTALLATION OF PRECAST SECTIONS. SEE DETAIL OF FLEXIBLE JOINT SEALANT.
4. OPENINGS FOR PIPE ARE CORED TO PROVIDE REQUIRED SIZE AND LOCATION
5. THE HOLE IS TO BE MANUFACTURED AS TO ALLOW FOR LATERAL AND VERTICAL MOVEMENT, AS WELL AS ANGULAR ADJUSTMENTS THRU 20°.
6. THE FLEXIBLE BOOT IS MOLDED FROM A NEOPRENE COMPOUND MEETING ASTM C-443.
7. THE KORBRAND IS AN EXTERNAL EXPANDING BAND WHICH CLAMPS AND SEALS THE BOOT TO THE PORT.
8. THE S.S. EXTERNAL BAND CONTRACTS AROUND THE BOOT TO CLAMP AND SEAL THE BOOT TO THE PIPE.
9. GROUT FOR MANHOLES SHALL BE NON-SHRINK EMBECO OR EQUAL.
10. ALL MANHOLES SHALL PASS VACUUM TESTING AND PASS REQUIREMENTS OF LOCAL UTILITY AUTHORITY.

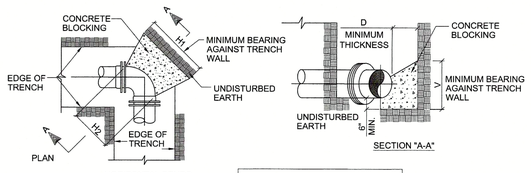






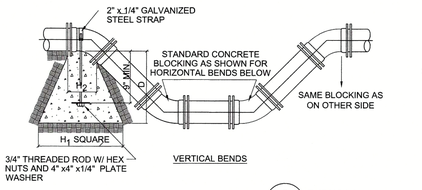
1 CS505 SANITARY SEWER MANHOLE
SCALE: NTS

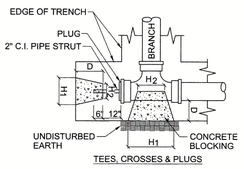
TABLE OF DIMENSIONS FOR CONCRETE BLOCKING																									
SIZE	TEES,PLUGS & CROSSES					90° BENDS					45° BENDS					22 1/2° BENDS					1 1 1/4° BENDS					SIZE
PIPE	H_1	H_2	V	D	CU. FT.	H_1	H_2	V	D	CU. FT.	H_1	H_2	V	D	CU. FT.	H_1	H_2	V	D	CU. FT.	H_1	H_2	V	D	CU. FT.	PIPE
2"&2 1/4"	18"	10"	12"	18"	1.9	18"	10"	12"	18"	1.9	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	18"	6"	12"	18"	1.5	2"&2 1/4"
3"&4"	24"	12"	12"	18"	2.3	24"	12"	12"	18"	2.3	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	18"	8"	12"	18"	1.6	3"&4"
6"	24"	16"	18"	18"	3.5	30"	16"	18"	18"	4.1	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	24"	10"	16"	18"	3.2	6"
8"	36"	18"	18"	18"	5.1	39"	18"	24"	18"	7.3	30"	1 1"	18"	18"	4.0	24"	1 1"	18"	18"	3.5	24"	1 1"	16"	18"	3.4	8"



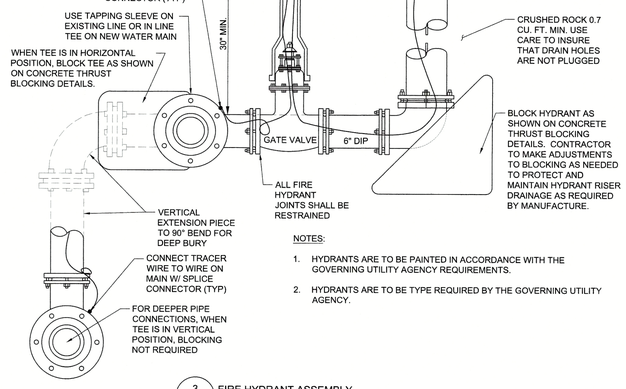
NOTE:
DIMENSIONS ARE CONTROLLED BY DIAMETER OF BRANCH MAIN.

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



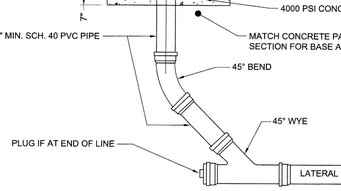


2 CS505 THRUST BLOCKING
SCALE: NTS

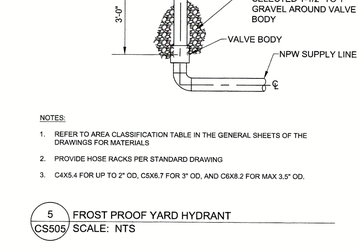


NOTES:
1. HYDRANTS ARE TO BE PAINTED IN ACCORDANCE WITH THE GOVERNING UTILITY AGENCY REQUIREMENTS.
2. HYDRANTS ARE TO BE TYPE REQUIRED BY THE GOVERNING UTILITY AGENCY.

3 CS505 FIRE HYDRANT ASSEMBLY
SCALE: NTS

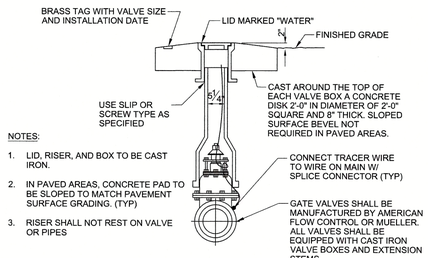


4 CS505 SANITARY SEWER CLEANOUT
SCALE: NTS



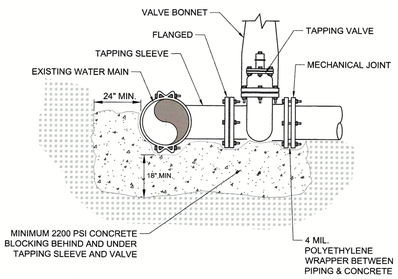
NOTES:
1. REFER TO AREA CLASSIFICATION TABLE IN THE GENERAL SHEETS OF THE DRAWINGS FOR MATERIALS
2. PROVIDE HOSE RACKS PER STANDARD DRAWING
3. C4X5.4 FOR UP TO 2" OD, C5X6.7 FOR 3" OD, AND C6X8.2 FOR MAX 3.5" OD.

5 CS505 FROST PROOF YARD HYDRANT
SCALE: NTS

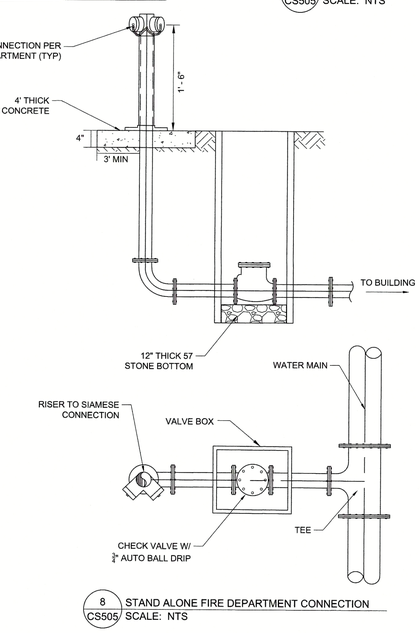


NOTES:
1. LID, RISER, AND BOX TO BE CAST IRON.
2. IN PAVED AREAS, CONCRETE PAD TO BE SLOPED TO MATCH PAVEMENT SURFACE GRADING. (TYP)
3. RISER SHALL NOT REST ON VALVE OR PIPES

6 CS505 GATE VALVE & BOX
SCALE: NTS



7 CS505 TAPPING SLEEVE AND VALVE
SCALE: NTS



8 CS505 STAND ALONE FIRE DEPARTMENT CONNECTION
SCALE: NTS

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STAMP
ALABAMA LICENSED No. 23133 PROFESSIONAL ENGINEER WILLIAM A. BARGE

DRAWING TITLE
SITE DETAILS

PROJECT #: 3110650

SHEET NUMBER
CS505

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CODES AND STANDARDS

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

1. GENERAL
   - A. INTERNATIONAL BUILDING CODE (IBC 2024).
   - B. AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES," (ASCE 7-22, SUPPLEMENT 1).
2. CONCRETE
   - A. AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-19).
   - B. AMERICAN CONCRETE INSTITUTE, "SPECIFICATIONS FOR CONCRETE CONSTRUCTION," (ACI 301-20).
   - C. AMERICAN CONCRETE INSTITUTE, "GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI 302.1R-15).
   - D. AMERICAN CONCRETE INSTITUTE, "CONCRETE SLABS THAT RECEIVE MOISTURE-SENSITIVE FLOORING MATERIALS - GUIDE" (ACI 302.2R-22).
   - E. AMERICAN CONCRETE INSTITUTE, "GUIDE FOR SPECIFYING, PROPORTIONING, AND PRODUCTION OF FIBER-REINFORCED CONCRETE," (ACI 544.3R-08).
   - F. AMERICAN CONCRETE INSTITUTE, "GUIDE TO DESIGN WITH FIBER-REINFORCED CONCRETE," (ACI 544.4-18).
3. STRUCTURAL STEEL
   - A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "STEEL CONSTRUCTION MANUAL," SIXTEENTH EDITION.
   - B. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," (ANSI/AISC 360-22).
   - C. AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE-STEEL" (AWS D1.1-2020).
   - D. AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE-STEEL REINFORCING BARS" (AWS D1.4-2018).
4. COLD-FORMED STEEL
   - A. AMERICAN IRON AND STEEL INSTITUTE, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," (AISI S100-16 w/S2-20).
   - B. AMERICAN IRON AND STEEL INSTITUTE, "CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL FRAMING," (AISI S202-20).
   - C. AMERICAN IRON AND STEEL INSTITUTE, "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING," (AISI S240-20).
5. STEEL DECK
   - A. STEEL DECK INSTITUTE, "ROOF DECK DESIGN MANUAL," SECOND EDITION, (RDDM2).
   - B. STEEL DECK INSTITUTE, "FLOOR DECK DESIGN MANUAL," SECOND EDITION, (FDDM2).
   - C. STEEL DECK INSTITUTE, "DIAPHRAGM DESIGN MANUAL," FOURTH EDITION, (DDM4).
   - D. STEEL DECK INSTITUTE, "STANDARD FOR STEEL DECK", (SDI SD-2022).
   - E. STEEL DECK INSTITUTE, "STANDARD FOR QUALITY CONTROL AND QUALITY ASSURANCE FOR INSTALLATION OF STEEL DECK," (SDI-QA/QC-2022).
6. ALUMINUM
   - A. ALUMINUM ASSOCIATION, "ALUMINUM DESIGN MANUAL: PART1-A SPECIFICATION FOR ALUMINUM STRUCTURES" (ADM-2020).
   - B. AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE-ALUMINUM" (AWS D1.2-2014).

DESIGN CRITERIA

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADS.

1. DEAD LOADS: ACTUAL WEIGHTS OF BUILDING MATERIALS, STRUCTURAL COMPONENTS, AND EQUIPMENT.
   - A. ROOF DEAD LOADS
     1. COLLATERAL — 7 PSF
     2. SPRINKLERS — 1.5 PSF
     3. PEMB STRUCTURE INCLUDING DECKING, INSUL, & FRMG — ACTUAL
   - B. HOLDROOM MECHANICAL PLATFORM DEAD LOADS
     1. COLLATERAL — 7 PSF
     2. SPRINKLERS — 1.5 PSF
     3. MECHANICAL EQUIPMENT — AS INDICATED ON PLANS
     4. 4" (TOTAL THICKNESS) LIGHTWEIGHT CONCRETE SLAB ON 1.5" FORM DECK — 33 PSF
     5. STEEL FRAMING — ACTUAL
   - C. TERMINAL MECHANICAL PLATFORM DEAD LOADS
     1. COLLATERAL — 7 PSF
     2. SPRINKLERS — 1.5 PSF
     3. MECHANICAL EQUIPMENT — AS INDICATED ON PLANS
     4. 0.75" PLYWOOD ON 1.5" 20 GA DECK — 5.5 PSF
     5. STEEL FRAMING — ACTUAL
2. LIVE LOADS
   - A. ROOF LIVE LOAD — 20 PSF (REDUCIBLE)
   - B. MECHANICAL PLATFORM LIVE LOAD — 100 PSF
   - C. FLOOR LIVE LOADS — 250 PSF
   - D. SLAB ON GRADE LIVE LOADS
     1. GUARDRAILS/HANDRAILS
        - a. 50 PLF FOR AREAS W/OCCUPANT LOAD GREATER THAN OR EQUAL TO 50.
        - b. OR 20 PLF FOR AREAS W/OCCUPANT LOAD LESS THAN 50.
        - c. OR 200 LB CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT.
     2. LADDERS (FIXED): 300 LB CONCENTRATED LOAD FOR EVERY 10 FT OF HEIGHT.
3. SNOW LOADS
   - A. GROUND SNOW LOAD (P_g) — 6 PSF
   - B. FLAT ROOF SNOW LOAD (P_f) — 5 PSF
   - C. EXPOSURE CATEGORY (C_e) — 1.0
   - D. RISK CATEGORY — II
   - E. THERMAL FACTOR (C_t) — 1.2
   - F. SLOPE FACTOR (C_s) — 1.0
   - G. RAIN-ON-SNOW SURCHARGE — 8 PSF
   - H. MINIMUM SNOW LOAD — 6 PSF
   - I. DRIFT SURCHARGE LOAD (P_d) — REFER TO PEMB DWGS
   - J. WIDTH OF DRIFT — REFER TO PEMB DWGS
   - K. WINTER WIND PARAMETER (W2) — 0.45
4. WIND LOADS
   - A. BUILDING
     1. ULTIMATE DESIGN WIND SPEED (V_{ult}) — 160 MPH
     2. ALLOWABLE STRESS DESIGN WIND SPEED (V_{asd}) — 123.9 MPH
     3. RISK CATEGORY — II
     4. EXPOSURE CATEGORY — C
     5. ENCLOSURE CLASSIFICATION — ENCLOSED
     6. INTERNAL PRESSURE COEFF. (GC_{pi}) — +/- 0.18
     7. COMPONENTS AND CLADDING WIND PRESSURES — REFER TO PEMB DWGS
   - B. PERGOLA
     1. ULTIMATE DESIGN WIND SPEED (V_{ult}) — 160 MPH
     2. ALLOWABLE STRESS DESIGN WIND SPEED (V_{asd}) — 123.9 MPH
     3. RISK CATEGORY — II
     4. EXPOSURE CATEGORY — C
     5. ENCLOSURE CLASSIFICATION — OPEN
     6. INTERNAL PRESSURE COEFF. (GC_{pi}) — 0.0
5. SEISMIC LOADS
   - A. RISK CATEGORY — II
   - B. SEISMIC IMPORTANCE FACTOR (I_E) — 1.0
   - C. 0.2 SEC MAPPED SPECTRAL ACCELERATION (S_S) — 0.110
   - D. 1.0 SEC MAPPED SPECTRAL ACCELERATION (S_1) — 0.062
   - E. SITE CLASS — D - DEFAULT
   - F. 0.2 SEC DESIGN SPECTRAL ACCELERATION (S_{DS}) — 0.100
   - G. 1.0 SEC DESIGN SPECTRAL ACCELERATION (S_{D1}) — 0.089
   - H. SEISMIC DESIGN CATEGORY — B
   - I. ANALYSIS PROCEDURE USED — EQUIVALENT LATERAL FORCE PROCEDURE
   - J. MECHANICAL MEZZANINE:
     1. BASIC SEISMIC FORCE RESISTING SYSTEM — STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
     2. RESPONSE MODIFICATION COEFFICIENT (R) — 3.0
     3. SEISMIC RESPONSE COEFFICIENT (C_S) — 0.033
     4. DESIGN BASE SHEAR — 0.033 x W
6. RAIN LOADS
   - A. 15-MINUTE RAINFALL INTENSITY — 9.42 IN/HR
   - B. 60-MINUTE RAINFALL INTENSITY — 4.93 IN/HR

CONCRETE

1. MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
   - A. ALL CONCRETE (UNLESS NOTED OTHERWISE) — 4,000 PSI
2. CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304, 308, 309 AND 318.
3. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. WHERE STRIP/GRADE FOOTINGS OR WALLS INTERSECT COLUMN FOUNDATIONS, LONGITUDINAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE COLUMN FOUNDATION. WHERE SLAB TURNDOWNS INTERSECT COLUMN PEDESTALS, LONGITUDINAL TURNDOWN REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE PEDESTAL.
5. UNLESS OTHERWISE SHOWN, THE CONCRETE CLEAR COVER AT ALL REINFORCING STEEL SHALL BE:
   - A. CONCRETE CAST AGAINST EARTH — 3"
   - B. CONCRETE EXPOSED TO EARTH OR WEATHER — 2"
6. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 304 AND ACI 309.
7. PROVIDE 3/4"x3/4"x 45 DEGREE CHAMFERED CORNERS AT ALL EXPOSED CONCRETE CORNERS UNO.
8. CONTRACTOR TO PROVIDE MATERIAL CERTIFICATES FOR EACH OF THE FOLLOWING, SIGNED BY MANUFACTURERS: NON-SHRINK GROUT, CEMENTITIOUS MATERIALS, ADMIXTURES, CURING COMPOUNDS, BONDING AGENTS, ADHESIVES, COARSE AGGREGATE GRADATION, AND FINE AGGREGATE GRADATION.
9. PROVIDE AGGREGATE SERVICE RECORD DATA INDICATING ABSENCE OF DELETERIOUS EXPANSION OF CONCRETE DUE TO ALKALI AGGREGATE REACTIVITY.

REINFORCING STEEL FOR CONCRETE

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

FOUNDATIONS

1. SHALLOW FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS REPORTED IN THE SITE SPECIFIC GEOTECHNICAL EXPLORATION REPORT PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL LLC, PROJECT NUMBER 10116-2025250, DATED FEBRUARY 11, 2026.
2. THE FOUNDATIONS WERE DESIGNED BASED ON THE FOLLOWING:
   - A. NET ALLOWABLE BEARING PRESSURE — 2,000 PSF
   - B. STATIC FRICTION COEFFICIENT — 0.35
   - C. ACTIVE PRESSURE COEFFICIENT — 0.36
   - D. PASSIVE PRESSURE COEFFICIENT — 3.00
   - E. WEIGHT OF BACKFILL — 120 PCF
3. ALLOWABLE BEARING PRESSURES ARE BASED ON BEARING AGAINST FIRM, UNDISTURBED SOIL AND OR ENGINEERED BACKFILL. WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT TO ENSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH THE ALLOWABLE BEARING PRESSURES NOTED.
5. CONTRACTOR SHALL KEEP ALL FREE STANDING WATER OUT OF EXCAVATION. CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS NECESSARY PRIOR TO PLACING CONCRETE.
6. EXISTING SOIL WHICH IS DEEMED NON-USABLE BY THE GEOTECHNICAL ENGINEER DUE TO FAILURE OF THE CONTRACTOR TO PROMPTLY DE-WATER THE SITE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL AT THE CONTRACTOR'S EXPENSE.
7. DESIGN OF TEMPORARY AND PERMANENT SHORING FOR EXCAVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. FOR GRADE WALLS HAVING FILL ON EACH SIDE, PROCEED WITH BACKFILLING OPERATIONS SIMULTANEOUSLY IN UNIFORM LIFTS. DIFFERENTIAL ELEVATION OF TOP OF LIFTS BETWEEN EACH SIDE SHALL NOT EXCEED 18 INCHES.

SLAB ON GRADE

1. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE AGGREGATE BASE AND VERIFY A MINIMUM MODULUS OF SUBGRADE REACTION OF 125 PCI HAS BEEN ACHIEVED.
2. SITE PREPARATION BENEATH THE BUILDING SHALL BE IN ACCORDANCE WITH GEOTECHNICAL ENGINEER RECOMMENDATIONS.
3. EXCAVATED / STRIPPED AREAS SHALL BE PROOF-ROLLED WITH APPROPRIATE EQUIPMENT AS APPROVED BY THE GEOTECHNICAL ENGINEER. SOFT AREAS SHALL BE REMOVED AND REPLACED WITH APPROVED BACKFILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. SAWED CONTROL JOINTS SHALL BE CUT AS SOON AS SLAB CAN BE WALKED ON, BUT STARTED NO LATER THAN 8 HOURS AFTER POURING. CONTROL JOINTS SHALL BE COMPLETED NO LATER THAN 16 HOURS AFTER POURING. THESE TIME LIMITS SHALL APPLY REGARDLESS OF THE TIME OF DAY. AN EARLY ENTRY DRY CUT SAW SUCH AS THE SOFF-CUT SYSTEM SHALL BE USED.
5. PROVIDE #4 X 3'-0" LONG DIAGONAL BARS IN SLABS AT ALL RE-ENTRANT CORNERS. SEE DETAIL 4/ S5001.
6. ADEQUATE MEASURE TO PREVENT PLASTIC SHRINKAGE OF SLAB SHALL BE TAKEN BY THE CONTRACTOR AS OUTLINED IN ACI 302.1R.

ANCHOR RODS

1. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 36, UNO.
2. COLUMN ANCHOR BOLT HOLES SHALL BE OVERSIZED IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL".
3. ANCHOR RODS SHALL BE FULLY THREADED, BE FREE OF CUTTING OILS, GREASE AND OTHER CONTAMINANTS.
4. ALL ANCHOR RODS SHALL INCLUDE ONE HEAVY HEX NUT (ASTM A563) AND A PLATE WASHER PER AISC "STEEL CONSTRUCTION MANUAL".
5. ANCHOR RODS MUST BE LOCATED BY MEANS OF A TEMPLATE AND BE SECURED PRIOR TO CONCRETE PLACEMENT.
6. DO NOT HAND SET OR WET STICK ANCHOR RODS. ANCHOR ROD LAYOUT, QUANTITY, DIAMETER, EMBEDMENT, AND MINIMUM PROJECTION SHALL BE AS SHOWN.

PRE-ENGINEERED METAL BUILDING

1. DESIGN OF STRUCTURE SHALL BE IN ACCORDANCE WITH THE "CODES AND STANDARDS" AND "DESIGN CRITERIA" AS LISTED ON THIS DRAWING. DRIFT AND DEFLECTION LIMITS SHALL BE IN ACCORDANCE WITH APPLICABLE BUILDING CODE, AISC DESIGN GUIDE 3, AND AS NOTED IN SPECIFICATION 13 34 19.
2. THE METAL BUILDING MANUFACTURER SHALL BE SOLELY RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE SUPERSTRUCTURE INCLUDING PURLINS, RIGID FRAMES, COLUMNS, GIRTS, BASEPLATES, X-BRACES, AND ANCHOR BOLTS (EXCLUDING EMBEDMENT). A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALABAMA SHALL DESIGN THE MEMBERS OR DIRECTLY SUPERVISE THE DESIGN AND AFFIX HIS SEAL TO ALL DRAWINGS AND DESIGN CALCULATIONS.
3. THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE ANCHOR BOLT DESIGN, INCLUDING QUANTITY, DIAMETER, AND MATERIAL TYPE TO ADEQUATELY TRANSFER BUILDING COLUMN REACTIONS TO THE FOUNDATION. MINIMUM EMBEDMENT LENGTHS SHALL BE AS SHOWN ON THE FOUNDATION DRAWINGS. THE GENERAL CONTRACTOR SHALL PROVIDE THE ANCHOR BOLTS SPECIFIED.
4. CONTRACTOR SHALL VERIFY QUANTITY AND PLACEMENT LOCATIONS OF ANCHOR BOLTS WITH METAL BUILDING MANUFACTURER. ANCHOR BOLTS MUST BE LOCATED BY MEANS OF A TEMPLATE. DO NOT HAND SET ANCHOR BOLTS. ANCHOR BOLT LAYOUT, DIAMETER, PROJECTION, AND MATERIAL SHALL BE AS SHOWN ON THE METAL BUILDING DRAWINGS.
5. ANCHOR BOLT EMBEDMENT SHALL BE AS INDICATED ON THE FOUNDATION DRAWINGS.
6. THE METAL BUILDING COLUMNS SHALL HAVE PINNED BASES AND SHALL TRANSFER NO MOMENTS TO THE FOUNDATIONS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR METAL PANEL AND ROOFING REQUIREMENTS.
8. REFER TO MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, AND EQUIPMENT VENDOR DRAWINGS FOR EQUIPMENT TO BE SUPPORTED BY PRE-ENGINEERED COMPONENTS AND OPENINGS WHICH REQUIRE SPECIAL FRAMING. PROVIDE ANY ADDITIONAL PURLINS, GIRTS, ETC. AS REQUIRED FOR THESE ITEMS.
9. ALL BOLTED CONNECTIONS SHALL HAVE AT LEAST TWO BOLTS.
10. NO FIELD MODIFICATIONS SHALL BE MADE TO ANY PRIMARY OR SECONDARY STRUCTURAL MEMBER EXCEPT AS AUTHORIZED IN WRITING BY BUILDING MANUFACTURER DESIGN ENGINEER AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
11. THE FOUNDATIONS HAVE BEEN DESIGNED FOR ESTIMATED COLUMN AND FRAME REACTIONS. PRIOR TO FABRICATION AND PRIOR TO ANY FOUNDATION WORK, THE ACTUAL, SEALED, COLUMN AND FRAME REACTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. IF, IN THE OPINION OF THE ENGINEER, THE ACTUAL REACTIONS DIFFER APPRECIABLY FROM THE ESTIMATED, THE ENGINEER SHALL REDESIGN THE FOUNDATION FOR THE ACTUAL REACTIONS.

COLD-FORMED METAL FRAMING

1. ALL COLD-FORMED STEEL FRAMING AND CONNECTION DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE AMERICAN IRON AND STEEL INSTITUTE (AISI) STANDARDS REFERENCED WITHIN THE CONTRACT DOCUMENTS.
2. THE COLD-FORMED METAL FRAMING SIZES SHOWN ON THE PLANS ARE MINIMUM SIZES ONLY. ALL COLD-FORMED METAL FRAMING AND CONNECTION DESIGN SHALL BE COMPETED BY A DELEGATED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT STATE. DELEGATED ENGINEER SHALL PROPERLY DETAIL ALL CONNECTIONS ON SHOP DRAWINGS, INCLUDING TYPE, QUANTITY AND CAPACITY OF SCREWS.
3. SUBMIT SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS INDICATING FRAMING LAYOUT, MEMBER SIZES, SPACING, AND CONNECTIONS FOR REVIEW. THE COLD-FORMED METAL FRAMING ENGINEER AND MANUFACTURER SHALL ASSUME FULL RESPONSIBILITY FOR THE STRUCTURAL DESIGN OF THE COLD-FORMED METAL FRAMING AND THE CONNECTIONS.
4. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTORS INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OR THE MANUFACTURER OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED METAL FRAMING AND THE CONNECTIONS.
5. REFER TO THE DESIGN CRITERIA ON THIS SHEET FOR LOADING REQUIREMENTS AND REFERENCED DESIGN STANDARDS. DESIGN SHALL CONSIDER ALL APPLICABLE LOAD CASES, INCLUDING DEAD, LIVE, ROOF LIVE, SNOW, WIND, RAIN, AND SEISMIC, ETC.
6. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL DESIGN CRITERIA.
7. COLD-FORMED METAL FRAMING MAY BE CONNECTED BY EITHER WELDS OR SCREWS SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS.
8. RUNNERS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE WITH CORROSION-RESISTANT FASTENERS AS INDICATED BY THE COLD-FORMED STEEL DELEGATED PROFESSIONAL ENGINEER.
9. FASTENING OF COMPONENTS SHALL BE WITH CORROSION-RESISTANT SELF-DRILLING SCREWS. CORROSION-RESISTANT BOLTS, OR WELDING. WIRE TYING COMPONENTS WILL NOT BE PERMITTED. WELDING SHALL BE COMPLETED BY QUALIFIED WELDERS AND WELDING PROCEDURES AS SPECIFIED WITHIN AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3/D1.3M, "STRUCTURAL WELDING CODE-SHEET STEEL." ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH GALVANIZING REPAIR PAINT.
10. NON-LOAD-BEARING COLD-FORMED METAL FRAMING STUDS SHOULD NOT BE ATTACHED DIRECTLY TO STRUCTURE ABOVE WITHOUT THE USE OF SLOTTED VERTICAL DEFLECTION AND HORIZONTAL DRIFT CLIPS TO ALLOW FOR MOVEMENT.
11. TEMPORARY BRACING AND SHORING, WHERE REQUIRED, SHALL BE PROVIDED BY THE CONTRACTOR UNTIL ERECTION IS COMPLETED.

STEEL DECK

1. STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE (SDI).
2. PROVIDE 1 1/2" MINIMUM DECK END BEARING.
3. PROVIDE SHEET METAL CLOSURE PLATES AT COLUMNS AS REQUIRED TO PREVENT LEAKAGE OF CONCRETE.

STRUCTURAL STEEL

1. STRUCTURAL STEEL (W-SHAPES) SHALL CONFORM TO ASTM A992
2. STRUCTURAL STEEL (NON W-SHAPES) AND PLATES SHALL CONFORM TO ASTM A572 GR. 50, UNO
3. HOLLOW STRUCTURAL SHAPES SHALL CONFORM TO THE FOLLOWING:
   - A. SQUARE AND RECTANGULAR - ASTM A500, GRADE C (F_y = 50 KSI)
   - B. STEEL PIPE – ASTM A53, GRADE B
   - C. COMPOSITE STUDS - AWS D1.1 TYPE B
4. UNLESS NOTED OTHERWISE, ALL HIGH STRENGTH BOLTS SHALL BE A MINIMUM BOLT SIZE OF 3/4" DIAMETER ASTM F3125 GRADE A325 WITH THREADS INCLUDED IN THE SHEAR PLANE. INSTALL HIGH STRENGTH BEARING BOLTS TO A SNUG TIGHT CONDITION AS DEFINED BY AISC WITH ONE HARDENED WASHER UNDER THE TURNED ELEMENT. USE OF OVERSIZE AND SLOTTED HOLES SHALL BE IN CONFORMANCE WITH RSCS REQUIREMENTS AND SUBJECT TO FINAL APPROVAL BY EOR. LOCK WASHERS AND LOCK NUTS ARE STRICTLY PROHIBITED. GRADE A490 BOLTS ARE ACCEPTABLE WHEN REQUIRED FOR HIGHER LOAD CONDITIONS. DO NOT USE THE SAME DIAMETER OF A325 AND A490 BOLTS ON THE PROJECT.
5. STRUCTURAL STEEL DESIGN, DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO:
   - A. AISC, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   - B. AISC, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", INCLUDING COMMENTARY
   - C. RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
6. WELDING SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE-STEEL" AND BE PERFORMED BY CERTIFIED WELDERS USING E70XX WELDING ELECTRODES.
7. REMOVE RUST, DIRT, PAINT AND GALVANIZING FROM STEEL PRIOR TO WELDING. TOUCH-UP PORTIONS OF REMOVED OR DAMAGED PAINT, PRIMER, OR GALVANIZING WITH TYPICAL PAINT, PRIMER, OR COLD GALVANIZING COMPOUND AFTER COMPLETION.
8. WELDS SHOWN ON STRUCTURAL DRAWINGS ARE MINIMUM DESIGN REQUIREMENTS. USE THE MINIMUM WELD SIZE PER AISC WHERE WELD SIZE IS NOT INDICATED. THE FABRICATOR'S SHOP DRAWINGS SHALL REFLECT WELDS IN ACCORDANCE WITH AWS / AISC REQUIREMENTS.
9. ALL GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION.
10. CONNECTIONS NOT SHOWN ON THE CONTRACT DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL. CALCULATIONS SEALED BY AN ENGINEER REGISTERED IN THE PROJECT STATE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
11. BEAM CONNECTIONS SHALL BE STANDARD, SIMPLE SHEAR CONNECTIONS WITH DOUBLE FRAMING ANGLES UNO. IN NO CASE SHALL THE LENGTH OF THE FRAMED CONNECTION BE LESS THAN ONE-HALF OF THE "T" DIMENSION OF THE BEAM WEB.
12. CONNECTION ANGLES SHALL BE 5/16" MINIMUM THICKNESS.
13. MINIMUM BOLTED CONNECTION SHALL BE AS FOLLOWS:
   - A. DEPTH: 6" - 10" — USE 2 ROWS OF BOLTS
   - B. DEPTH: 12" - 18" — USE 3 ROWS OF BOLTS
   - C. DEPTH: 21" - 24" — USE 4 ROWS OF BOLTS
14. BEAM REACTIONS ARE SHOWN ON THE DRAWINGS IN LRFD FORMAT. IN CASES WHERE NO REACTIONS ARE PROVIDED, THE CONNECTION SHALL BE DESIGNED FOR A MINIMUM FORCE OF 15 KIPS.
15. PROVIDE SLIP CRITICAL A325SC BOLTS, USING CLASS "A" SURFACE VALUES (CLEAN MILL SCALE) AT ALL AREAS WHERE SLIPPAGE IS OBJECTIONABLE. BOLTS ARE SUBJECT TO SHEAR STRESS REVERSAL, AS WELL AS, AT A MINIMUM, BRACKETS, HANGERS, MOMENT CONNECTIONS, DIAGONAL, HORIZONTAL AND VERTICAL BRACES, SPLICES, MEMBERS WITH AXIAL LOADS, AND OTHER CONNECTIONS IDENTIFIED ON THE DRAWINGS. PRE-TENSIONED BOLTS SHALL BE INSTALLED USING TURN-OF-NUT TIGHTENING, DIRECT TENSION INDICATORS, OR TWIST OFF TYPE BOLTS PER AISC REQUIREMENTS.
16. BRACING CONNECTIONS SHALL BE DESIGNED AND DETAILED SO THAT ALL FORCE COMPONENTS ARE DELIVERED DIRECTLY TO THE INTERSECTION OF THE WORKLINES OF THE MEMBERS. WHERE THIS IS NOT POSSIBLE OR PRACTICAL, CONNECTIONS SHALL BE DESIGNED TO ACCOUNT FOR THE RESULTING ECCENTRICITIES.
17. AXIAL FORCES IN MEMBERS ARE SHOWN AS FOLLOWS:
   - A. (+) INDICATES TENSION IN MEMBER.
   - B. (-) INDICATES COMPRESSION IN MEMBER.
18. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DRAWINGS.
19. THE STRUCTURE IS DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE MAY REQUIRE ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.
20. STRUCTURAL STEEL DESIGNATED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) IN THE ARCHITECTURAL DRAWINGS SHALL BE FABRICATED, DELIVERED, AND ERECTED IN ACCORDANCE WITH ANSI/AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", SECTION 10 FOR THE GIVEN CATEGORY INDICATED.
21. HSS MEMBERS DESIGNATED AS AESS SHALL HAVE WELD SEAMS ON THE SIDE OF THE ELEMENT HIDDEN FROM VIEW UNLESS APPROVED OTHERWISE BY THE ARCHITECT OF RECORD.
22. WHERE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS INDICATE MOCKUPS ARE TO BE PROVIDED, MOCKUPS MAY BE PART OF THE FINISHED WORK ASSUMING THE MOCKUP HAS BEEN APPROVED BY THE ARCHITECT OF RECORD.

EPOXY REBAR DOWEL

1. REFER TO SPEC SECTION 05 50 00 METAL FABRICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL TYPE.
2. SUBSTITUTION OF EXPANSION OR DRILLED AND GROUTED-IN ANCHORS FOR EMBEDDED ANCHORS SHOWN ON THE DRAWINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
3. CARE SHALL BE TAKEN WHEN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH REINFORCING WHERE POSSIBLE. HOLES SHALL BE DRY, HAMMER DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ALTERNATIVE DRILLING METHODS AND INSTALLATION CONDITIONS MAY BE ACCEPTABLE PROVIDED INSTALLER HAS RECEIVED WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER OF RECORD.
4. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE.
5. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S FIELD REPRESENTATIVE TO PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED. ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE TO THE EOR AS REQUESTED.
6. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.
   - A. ANCHORAGE TO CONCRETE
     - a. ADHESIVE (EPOXY) ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
       1. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HIT-Z-R 316 SS ROD.
       2. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH HAS-316 SS THREADED ROD PER ICC ESR-4868.
     - b. MECHANICAL (EXPANSION) ANCHORS FOR CRACKED AND UNCRACKED CONCRETE
       1. HILTI KWIK BOLT-TZ2 SS 316 EXPANSION ANCHORS PER ICC ESR-4266
       2. HILTI KWIK HUS-EZ SS 316 SCREW ANCHORS PER ICC ESR-3027
   - B. REBAR DOWELING INTO CONCRETE
     - a. ADHESIVE FOR CRACKED AND UNCRACKED CONCRETE USE:
       1. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM.
7. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR OTHER SUCH METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD P

STATEMENT OF SPECIAL INSPECTIONS

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

CONTRACTOR RESPONSIBILITIES

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

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

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

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

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

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

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

SPECIAL INSPECTOR RESPONSIBILITIES

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

COLD-FORMED STEEL HIGH WIND RESISTANCE INSPECTIONS

PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM. PERIODIC SPECIAL INSPECTIONS IS REQUIRED FOR SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS, AND HOLD-DOWNS.

EXCEPTION: SPECIAL INSPECTIONS ARE NOTE REQUIRED FOR COLD-FORMED STEEL LIGHT FRAME SHEAR WALLS AND DIAPHRAGMS, INCLUDING SCREWING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE WINDFORCE-RESISTING SYSTEM, WHERE EITHER OF THE FOLLOWING APPLIES:

1. THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD.
2. THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL, OR DIAPHRAGM ASSEMBLY AND THE SPECIFIED FASTENER SPACING AT THE PANEL OR SHEET EDGES IS MORE THAN 4 INCHES ON CENTER.

WIND RESISTING COMPONENTS INSPECTIONS

PERIODIC SPECIAL INSPECTION IS REQUIRED FOR FASTENING OF THE FOLLOWING SYSTEMS AND COMPONENTS:

1. ROOF COVERING, ROOF DECK, AND ROOF FRAMING CONNECTIONS
2. EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL

SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLES AND THE REQUIREMENTS GIVEN IN AISC 360-22 CHAPTER N. THESE REQUIREMENTS SHALL APPLY TO PRE-ENGINEERED METAL BUILDING STRUCTURES.

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

QA-QUALITY ASSURANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE FABRICATOR'S PLANT. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE FABRICATOR. QA INSPECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT SITE. THE QAI SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE ERECTOR. QA INSPECTION TASKS SHALL BE PERFORMED BY THE QAI, IN ACCORDANCE WITH AISC 360-22 SECTIONS N5.4, N5.6 AND N5.7. TASKS IN THE FOLLOWING TABLES LISTED FOR QA ARE THOSE INSPECTIONS PERFORMED BY THE QAI TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. CONCURRENT WITH THE SUBMITTAL OF SUCH REPORTS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ENGINEER OF RECORD (EOR) OR OWNER, THE QA AGENCY SHALL SUBMIT TO THE FABRICATOR AND ERECTOR: (1) INSPECTION REPORTS, AND (2) NONDESTRUCTIVE TESTING REPORTS.

O- OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P- PERFORM THESE TASKS FOR EACH WELDED JOINT, MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT.

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

STEEL DECK INSPECTION NOTES

1. QUALITY CONTROL (QC) AS SPECIFIED SHALL BE PROVIDED BY THE INSTALLER. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS.
2. "OBSERVE" SHALL MEAN TO INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. IN THE EVENT THAT OBSERVATIONS DETERMINE THAT THE MATERIALS AND/OR WORKMANSHIP ARE NOT IN CONFORMANCE WITH THE APPLICABLE DOCUMENTS, ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-CONFORMANCE.
3. "PERFORM" SHALL MEAN TO PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
4. WITHIN THE LISTED TASKS, "DOCUMENT" SHALL MEAN THE INSPECTOR SHALL PREPARE REPORTS OR OTHER APPROPRIATE WRITTEN DOCUMENTATION INDICATING THAT THE WORK HAS OR HAS NOT BEEN PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

AISC TABLE N5.4-1 INSPECTION TASKS PRIOR TO WELDING

INSPECTION TASKS PRIOR TO WELDING	QC	QA
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O
WPS AVAILABLE	P	P
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
WELDER IDENTIFICATION SYSTEM • FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED • DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD	O	O
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-CONNECTIONS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P	O
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
CHECK WELDING EQUIPMENT	O	-

AISC TABLE N5.4-2 INSPECTION TASKS DURING WELDING

INSPECTION TASKS DURING WELDING	QC	QA
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O
NO WELDING OVER CRACKED TACK WELDS	O	O
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE		
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	O	O
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	O

AISC TABLE N5.4-3 INSPECTION TASKS AFTER WELDING

INSPECTION TASKS AFTER WELDING	QC	QA
WELDS CLEANED	O	O
SIZE, LENGTH AND LOCATION OF WELDS	P	P
WELDS MEET VISUAL ACCEPTANCE OF CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	P
ARC STRIKES	P	P
K-AREA [a]	P	P
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [b]	P	P
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P
REPAIR ACTIVITIES	P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER [c]	P	P
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1d) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1e) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

[c] DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD.

AISC TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING

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

AISC TABLE N5.6-2 INSPECTION TASKS DURING BOLTING

INSPECTION TASKS DURING BOLTING	QC	QA
FASTENER ASSEMBLIES PLACED IN ALL HOLES, AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O

AISC TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING

INSPECTION TASKS AFTER BOLTING	QC	QA
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P

SDI TABLE 1.1
INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT

	TASK	QC	QA
A	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	PERFORM	PERFORM
B	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	PERFORM	PERFORM

SDI TABLE 1.2
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT

	TASK	QC	QA
A	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM	PERFORM
B	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	N/A	PERFORM
C	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	PERFORM	PERFORM

SDI TABLE 1.3
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING

	TASK	QC	QA
A	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	OBSERVE	OBSERVE
B	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	OBSERVE	OBSERVE
C	MATERIAL IDENTIFICATION (TYPE/GRADE).	OBSERVE	OBSERVE
D	CHECK WELDING EQUIPMENT.	OBSERVE	OBSERVE

SDI TABLE 1.4
INSPECTION OR EXECUTION TASKS DURING WELDING

	TASK	QC	QA
A	USE OF QUALIFIED WELDERS.	OBSERVE	OBSERVE
B	CONTROL AND HANDLING OF WELDING CONSUMABLES.	OBSERVE	OBSERVE
C	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	OBSERVE	OBSERVE
D	WPS FOLLOWED.	OBSERVE	OBSERVE

SDI TABLE 1.5
INSPECTION OR EXECUTION TASKS AFTER WELDING

	TASK	QC	QA
A	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM	PERFORM
B	WELDS MEET VISUAL ACCEPTANCE CRITERIA.	PERFORM	PERFORM
C	VERIFY REPAIR ACTIVITIES.	PERFORM	PERFORM
D	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	PERFORM	PERFORM

SDI TABLE 1.6
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING

	TASK	QC	QA
A	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	OBSERVE
B	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	OBSERVE	OBSERVE
C	PROPER STORAGE FOR MECHANICAL FASTENERS.	OBSERVE	OBSERVE

SDI TABLE 1.7
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING

	TASK	QC	QA
A	FASTENERS ARE POSITIONED AS REQUIRED.	OBSERVE	OBSERVE
B	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	OBSERVE	OBSERVE

SDI TABLE 1.8
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING

	TASK	QC	QA
A	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	PERFORM
B	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	OBSERVE	OBSERVE
C	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	PERFORM
D	VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
E	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	PERFORM

TABLE 1705.2.6
SPECIAL INSPECTIONS OF METAL BUILDING SYSTEMS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. INSTALLATION OF RAFTER/BEAM FLANGE BRACES AND COLUMN FLANGE BRACES.	-	X
2. INSTALLATION OF PURLINS AND GIRTS, INCLUDING SPECIFIED LAPPING.	-	X
3. PURLIN AND GIRT RESTRAINT/BRIDGING/BRACING.	-	X
4. INSTALLATION OF X-BRACING, TIGHTENED TO REMOVE ANY SAG.	-	X

TABLE 1705.6
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

TABLE 1705.3
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD[a]	IBC REFERENCE
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	-	X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3	-
2. REINFORCING BAR WELDING:				
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X	AWS D1.4 ACI 318: 26.13.1.4	-
B. INSPECT WELDED REINFORCEMENT SPLICES.	X	-	-	
C. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	-	X	AWS D1.4 ACI 318: 26.13.3	
D. INSPECT ALL OTHER WELDS.	-	X	AWS D1.4 ACI 318: 26.13.3	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 26.13.3.3	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:[b]				
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 26.13.3.2	-
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	ACI 318: 26.13.3	
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C31 ASTM C172 ACI 318: 26.5, 26.12	-
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	-
8. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	-
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)	-

FOR SI: 1 INCH = 25.4MM

a. WHERE APPLICABLE, SEE SECTION 1705.13.

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 26.13 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED No. 33186-E PROFESSIONAL ENGINEER BRIAN H. WOOD
5/1/2026

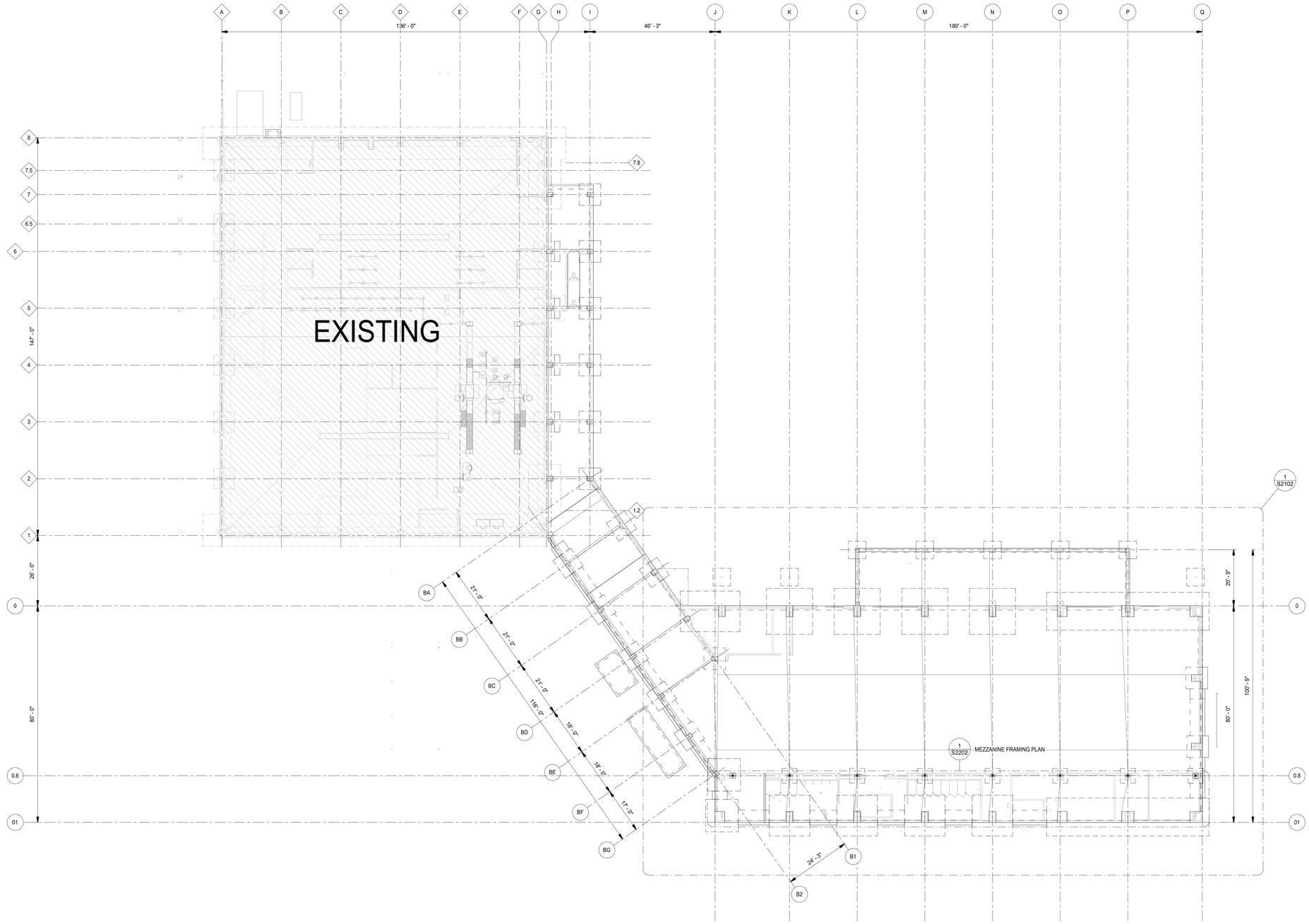
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STRUCTURAL SPECIAL INSPECTIONS

PROJECT #: 3110650

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S0002

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1 S2001 **OVERALL FOUNDATION PLAN**

SCALE: 1/16" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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PROJECT #: 3110650

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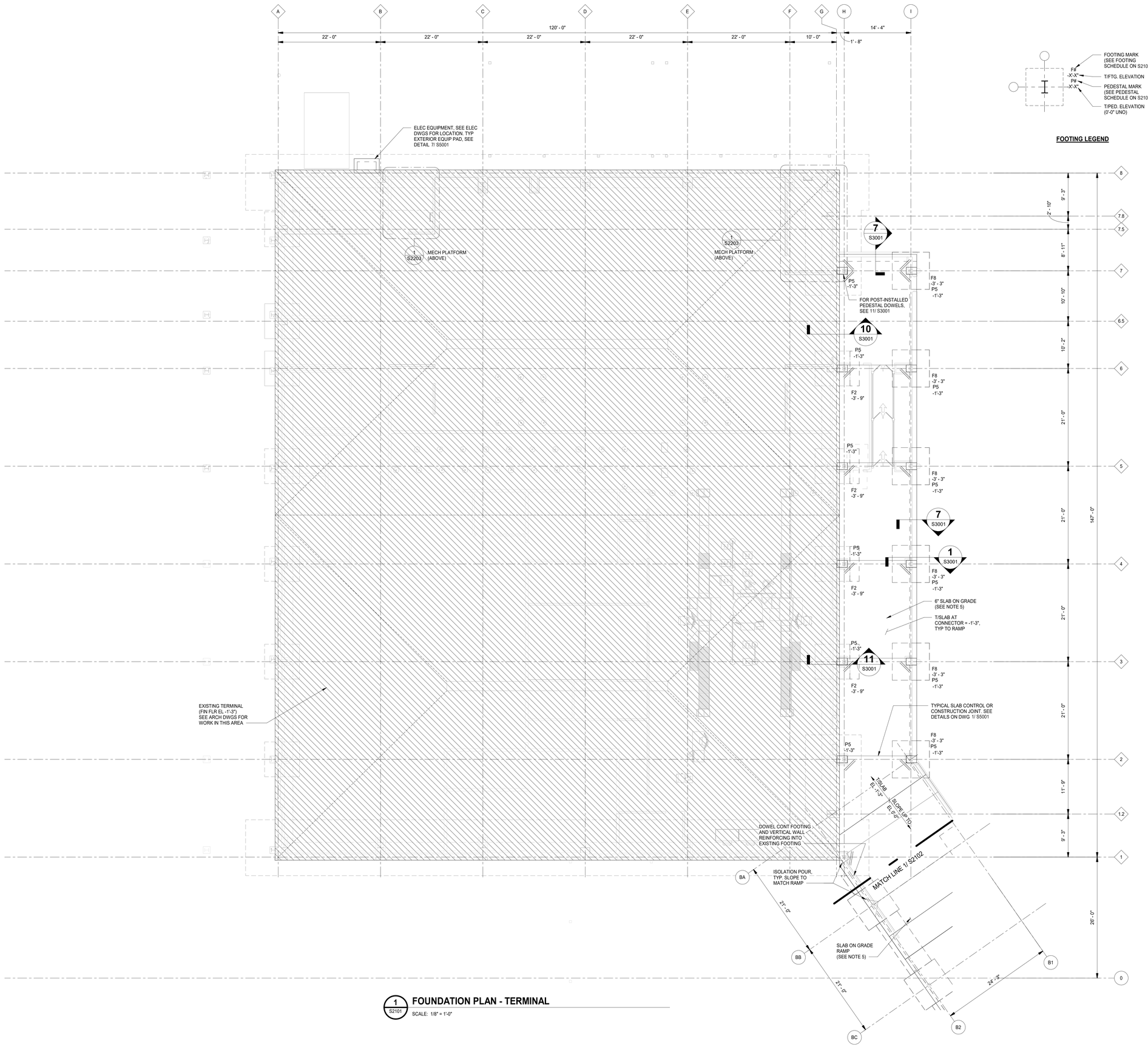
PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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1 S2101 **FOUNDATION PLAN - TERMINAL**

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

PLAN NOTES

1. ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL. OF 0'-0" UNO. REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. REFER TO DRAWING S0001 AND S0002 FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
3. REFER TO SB3000 SERIES DRAWINGS FOR FOUNDATION SECTIONS AND DETAILS.
4. REFER TO SB5000 SERIES DRAWINGS FOR TYPICAL SECTIONS AND DETAILS.
5. SLAB ON GRADE AND RAMP ON GRADE SHALL BE 6" MINIMUM THICKNESS CONCRETE SLAB REINFORCED WITH 5.0 LB/CU YD OF 2 1/4" FORTA-FERRO FIBER, ON 15 MIL VAPOR RETARDER, ON 4" COMPACTED AGGREGATE BASE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
7. ANCHOR RODS AND LAYOUT PROVIDED BY PEMB ENGINEER.
8. ALL FOUNDATION AND PEDESTAL SIZES ARE BASED ON PRELIMINARY REACTIONS AND ARE SUBJECT TO CHANGE. FOUNDATIONS AND PEDESTALS TO BE RE-ANAYLZED BASED ON FINAL REACTIONS PROVIDED BY PEMB ENGINEER.
9. // INDICATES RE-ENTRANT CORNER BARS SEE DETAIL 4/ S5001 .
10. REFER TO ELECTRICAL AND CIVIL DRAWINGS FOR TRANSFORMER LOCATIONS NOT SHOWN ON THIS PLAN.

PLAN NORTH / TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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5/1/2026

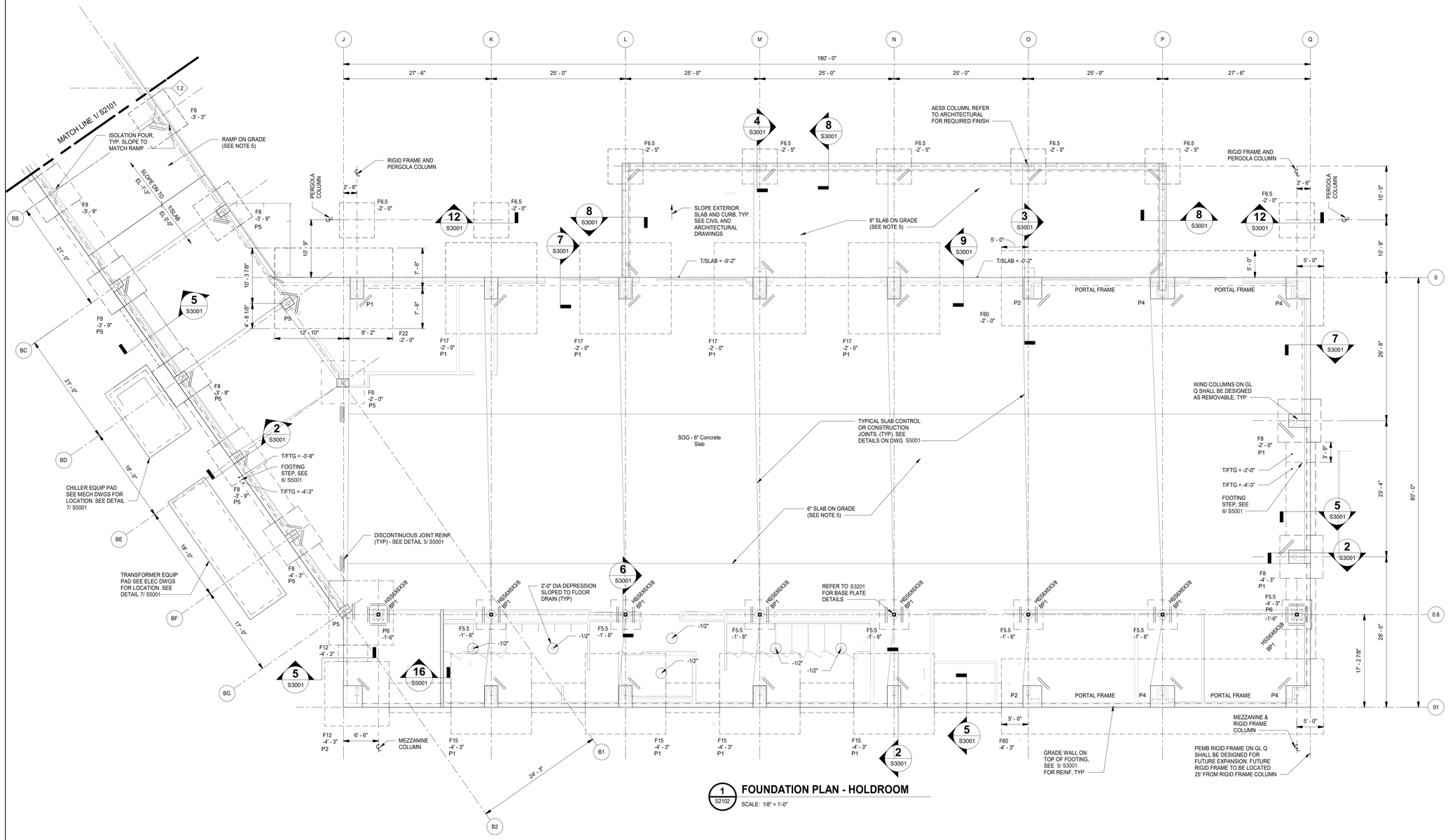
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FOUNDATION PLAN - TERMINAL

PROJECT #: 3110650

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1 S2102 **FOUNDATION PLAN - HOLDROOM**

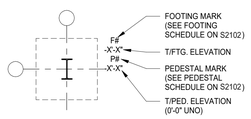
SCALE: 1/8" = 1'-0"

FOOTING SCHEDULE

MARK	DIMENSIONS			REINFORCING	
	WIDTH	LENGTH	THICKNESS	BOTTOM	TOP
F2	2' - 0"	7' - 6"	2' - 0"	#6@12" OC EACH WAY	#6@12" OC EACH WAY
F5.5	5' - 6"	5' - 6"	1' - 6"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F6.5	6' - 6"	6' - 6"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F8	8' - 0"	8' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F12	12' - 0"	12' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F15	15' - 0"	15' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F17	17' - 0"	17' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F22	22' - 0"	15' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY
F60	60' - 0"	14' - 0"	2' - 0"	#7@12" OC EACH WAY	#7@12" OC EACH WAY

FOOTING/PEDESTAL NOTES

1. EW = EACH WAY.
2. ALL REINFORCEMENT SHALL BE EQUALLY SPACED.
3. TOP OF PEDESTAL ELEVATION IS 0'-0" UNO.
4. PEDESTAL AND FOOTING SIZES AND REINFORCEMENT BASED ON PRELIMINARY COLUMN SIZES RECEIVED BY PEMB MANUFACTURER. SUBJECT TO CHANGE BASED ON FINAL PEMB DRAWINGS.



FOOTING LEGEND

PEDESTAL SCHEDULE

MARK	REINFORCING	TIES	WIDTH (w)	LENGTH (l)	TOP OF PEDESTAL	REMARKS
P1	(24) #7 DOWELS VERT	(3) #4 @ 2" OC, THEN @ 9" OC	2'-6"	4'-0"	EL 0'-0" UNO	180 HOOK AT TOP & STD HOOK AT BOT
P2	(34) #7 DOWELS VERT	(3) #4 @ 2" OC, THEN @ 9" OC	3'-6"	4'-0"	EL 0'-0" UNO	180 HOOK AT TOP & STD HOOK AT BOT
P4	(44) #7 DOWELS VERT	(3) #4 @ 2" OC, THEN @ 9" OC	4'-6"	4'-0"	EL 0'-0" UNO	180 HOOK AT TOP & STD HOOK AT BOT
P5	(12) #6 DOWELS VERT	(3) #4 @ 2" OC, THEN @ 9" OC	1'-6"	2'-3"	EL 0'-0" UNO	180 HOOK AT TOP & STD HOOK AT BOT
P6	(8) #6 DOWELS VERT	(3) #4 @ 2" OC, THEN @ 9" OC	2'-0"	2'-0"	EL 0'-0" UNO	180 HOOK AT TOP & STD HOOK AT BOT

PLAN NOTES

1. ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL. OF 0'-0" UNO. REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. REFER TO DRAWING S0001 AND S0002 FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
3. REFER TO SB3000 SERIES DRAWINGS FOR FOUNDATION SECTIONS AND DETAILS.
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6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
7. ANCHOR RODS AND LAYOUT PROVIDED BY PEMB ENGINEER.
8. ALL FOUNDATION AND PEDESTAL SIZES ARE BASED ON PRELIMINARY REACTIONS AND ARE SUBJECT TO CHANGE. FOUNDATIONS AND PEDESTALS TO BE RE-ANAYLZED BASED ON FINAL REACTIONS PROVIDED BY PEMB ENGINEER.
9. // INDICATES RE-ENTRANT CORNER BARS SEE DETAIL 4/ S5001 .
10. REFER TO ELECTRICAL AND CIVIL DRAWINGS FOR TRANSFORMER LOCATIONS NOT SHOWN ON THIS PLAN.

PLAN NORTH / TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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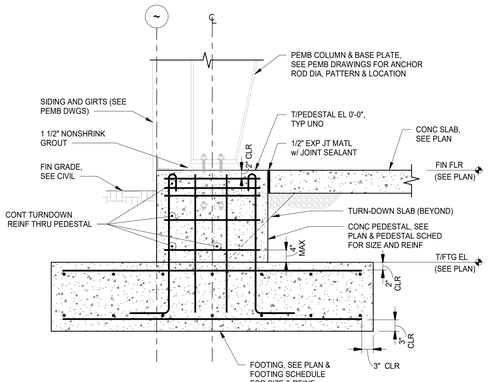
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FOUNDATION PLAN - HOLDROOM

PROJECT #: 3110650

SHEET NUMBER
S2102

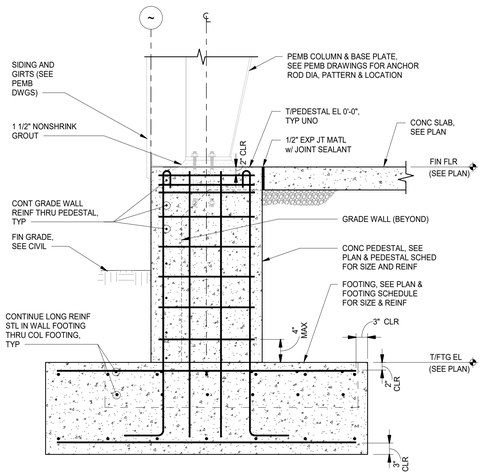
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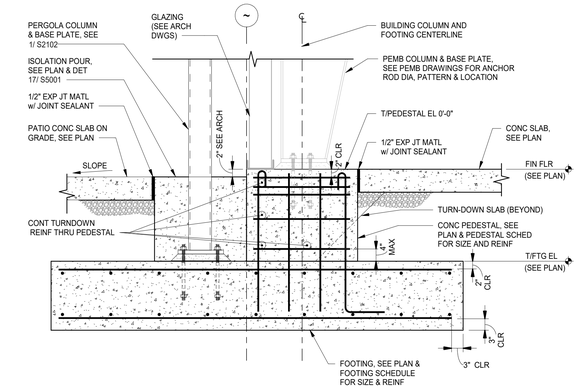
1 S3001 **SECTION**

NTS



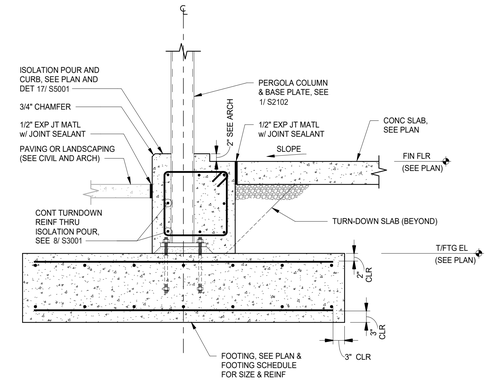
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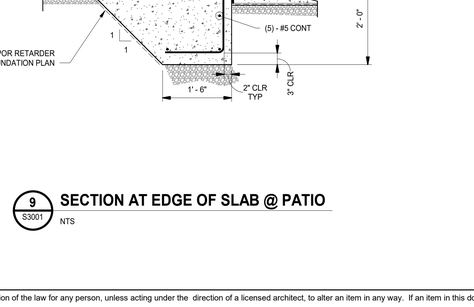
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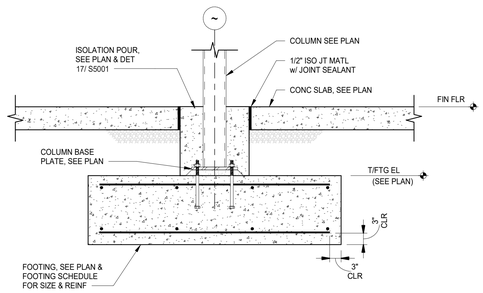
4 S3001 **SECTION**

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



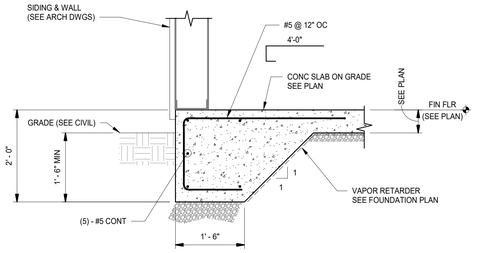
5 S3001 **SECTION**

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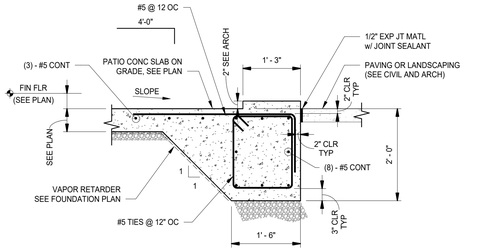
6 S3001 **SECTION**

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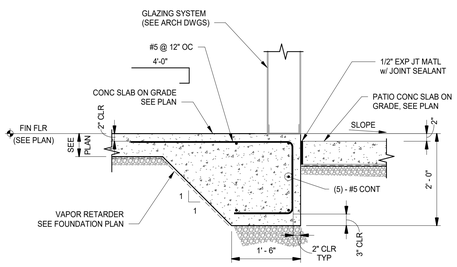
7 S3001 **SECTION**

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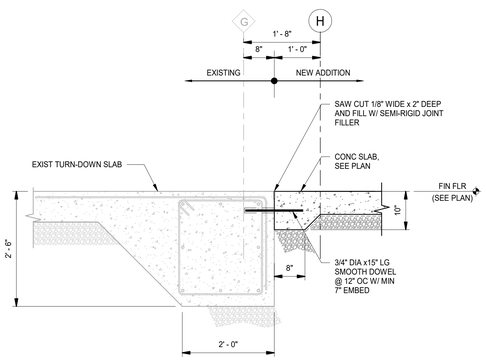
8 S3001 **SECTION AT EDGE OF SLAB AND CURB**

NTS



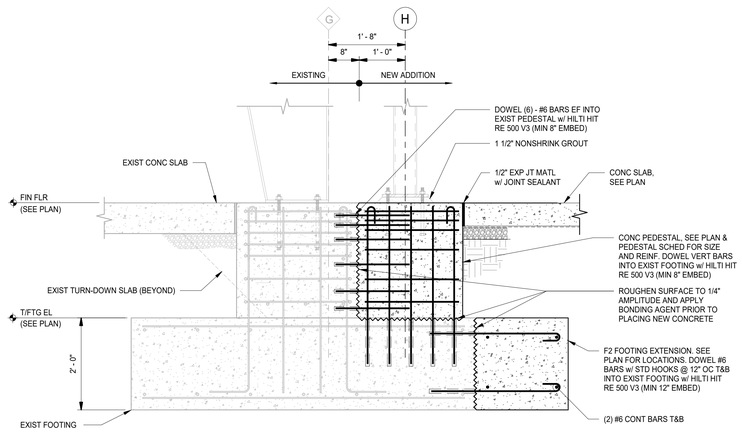
9 S3001 **SECTION AT EDGE OF SLAB @ PATIO**

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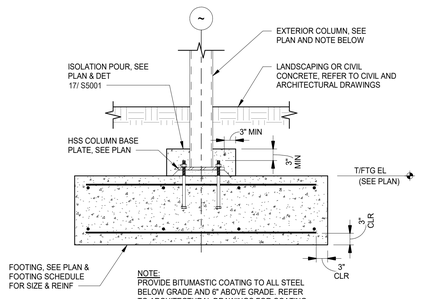
10 S3001 **SECTION AT EXISTING EDGE OF SLAB**

NTS



11 S3001 **SECTION AT EXISTING EXTERIOR FOOTING AND PEDESTAL**

NTS



12 S3001 **SECTION**

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

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED No. 33186-E PROFESSIONAL ENGINEER BRIAN H. WOOD 5/1/2026

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FOUNDATION SECTIONS

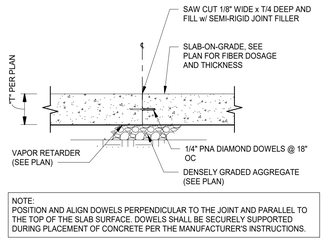
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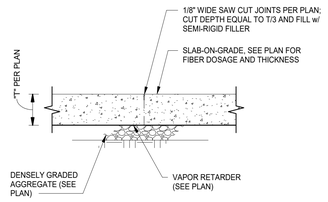
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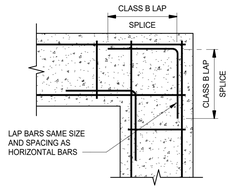


NOTE:
POSITION AND ALIGN DOWELS PERPENDICULAR TO THE JOINT AND PARALLEL TO THE TOP OF THE SLAB SURFACE. DOWELS SHALL BE SECURELY SUPPORTED DURING PLACEMENT OF CONCRETE PER THE MANUFACTURER'S INSTRUCTIONS.

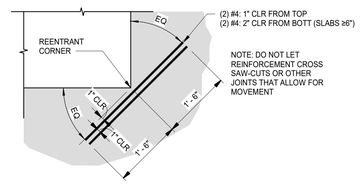
1 S5001 SLAB CONSTRUCTION JOINT
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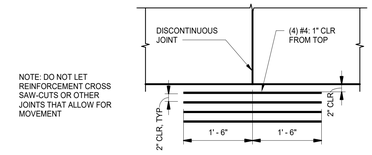
2 S5001 SLAB CONTROL JOINT
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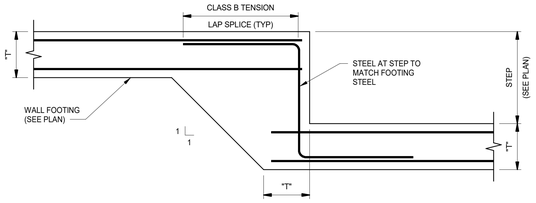
3 S5001 TURNDOWN SLAB CORNER
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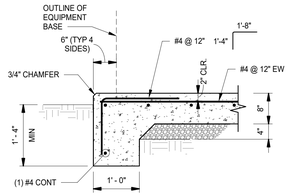
4 S5001 REENTRANT CORNER REINFORCING
NTS



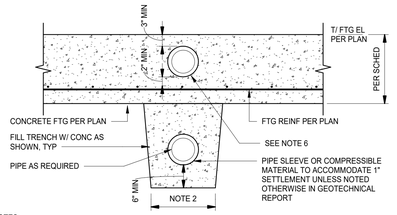
5 S5001 DISCONTINUOUS JOINT REINFORCING
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6 S5001 FOOTING STEP
SCALE: 3/4" = 1'-0"

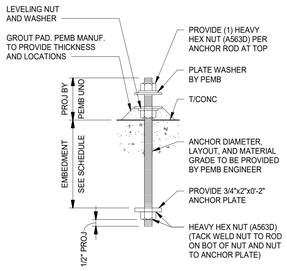


7 S5001 EXTERIOR EQUIPMENT PAD (EDGE)
SCALE: 3/4" = 1'-0"



NOTES:
1. IF PIPE IS GREATER THAN 4'-0" BELOW BOTTOM OF FOOTING, NO CONCRETE TRENCH SHALL BE REQUIRED.
2. TRENCH WIDTH TO EQUAL FOOTING WIDTH ABOVE.
3. FTG & TRENCH MAY BE POURED MONOLITHICALLY @ CONTRACTORS OPTION.
4. FOR PIPES RUNNING PARALLEL TO STRIP FOOTINGS, FOOTING DEPTH AND PIPE LOCATION SHALL BE COORDINATED SO THAT THE PIPE IS NOT WITHIN THE FTG LOAD DISTRIBUTION THAT EXTENDS AT 45 DEGREE ANGLE OUT FROM THE BOTTOM EDGE OF THE FOOTING.
5. PIPES MAY BE PLACED BETWEEN THE FOOTING AND THE SLAB ON GRADE THROUGH THE STEM WALL AS LONG AS A PROPER PIPE SLEEVE IS PROVIDED TO ACCOUNT FOR 1" MIN VERTICAL MOVEMENT.
6. FOR PIPES RUNNING THROUGH FOOTING: PIPE SHALL PASS ABOVE FOOTING REINF. DO NOT BREAK FOOTING REINF. MAINTAIN 3" MIN CONCRETE COVER. MAINTAIN 2" OF CONCRETE BETWEEN PIPE SLEEVE AND REINFORCEMENT, MIN

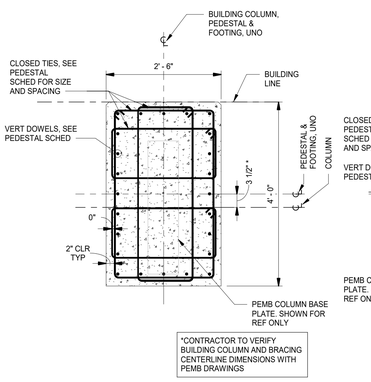
8 S5001 PIPE PENETRATION
NTS



ANCHOR ROD SCHEDULE	
DIA	EMBED
5/8"	10"
3/4"	18"

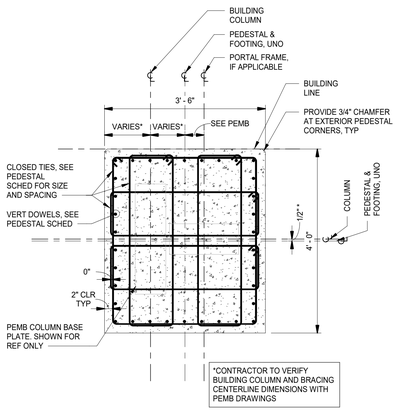
NOTE:
1. SEE PEMB DRAWINGS FOR BASE PLATE INFORMATION, ANCHOR ROD DIAMETERS, QUANTITIES, ANCHOR PATTERNS, AND PROJECTION AT EACH COLUMN LOCATION.

9 S5001 PEMB COL ANCHOR ROD
NTS



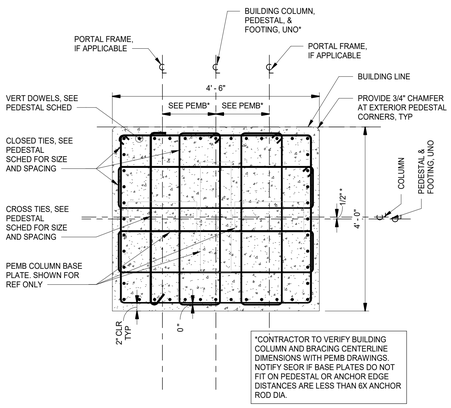
*CONTRACTOR TO VERIFY BUILDING COLUMN AND BRACING CENTERLINE DIMENSIONS WITH PEMB DRAWINGS

10 S5001 PEDESTAL P1
NTS



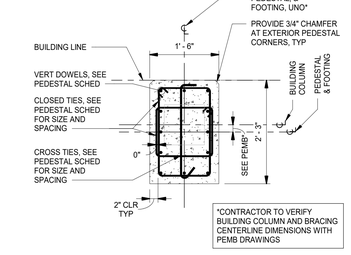
*CONTRACTOR TO VERIFY BUILDING COLUMN AND BRACING CENTERLINE DIMENSIONS WITH PEMB DRAWINGS

11 S5001 PEDESTAL P2
NTS



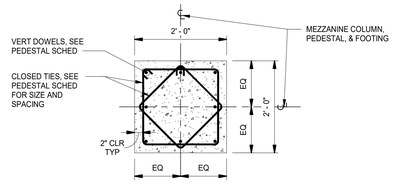
*CONTRACTOR TO VERIFY BUILDING COLUMN AND BRACING CENTERLINE DIMENSIONS WITH PEMB DRAWINGS, NOTIFY SEOR IF BASE PLATES DO NOT FIT ON PEDESTAL OR ANCHOR EDGE DISTANCES ARE LESS THAN 6X ANCHOR ROD DIA.

13 S5001 PEDESTAL P4
NTS

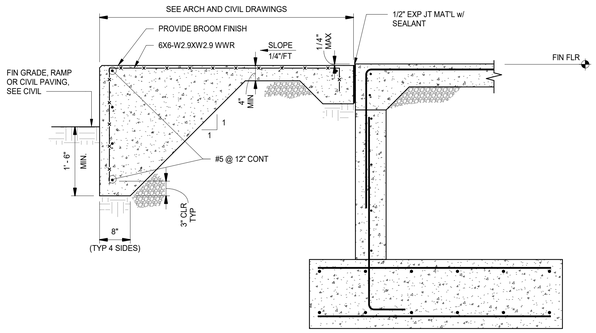


*CONTRACTOR TO VERIFY BUILDING COLUMN AND BRACING CENTERLINE DIMENSIONS WITH PEMB DRAWINGS

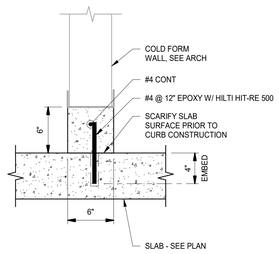
14 S5001 PEDESTAL P5
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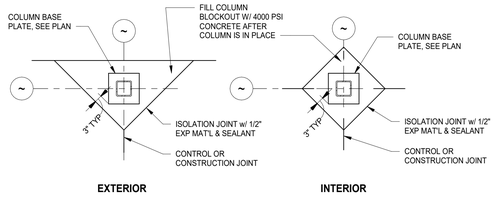
12 S5001 PEDESTAL P6
SCALE: 3/4" = 1'-0"



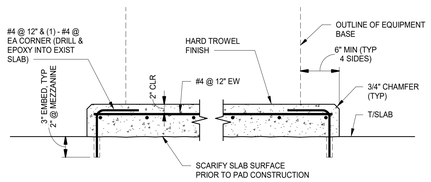
15 S5001 CONCRETE STOOP
SCALE: 3/4" = 1'-0"



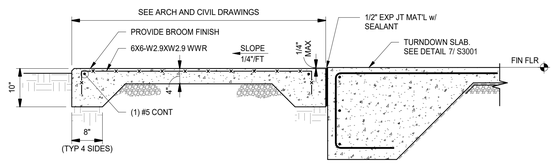
16 S5001 WALL CURB
NTS



17 S5001 COLUMN ISOLATION JOINT - HSS
NTS



18 S5001 INTERIOR EQUIPMENT PAD
SCALE: 1" = 1'-0"



19 S5001 CONCRETE STOOP
SCALE: 3/4" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
NEW TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 33186-E
BRIAN H. WOOD
5/1/2026

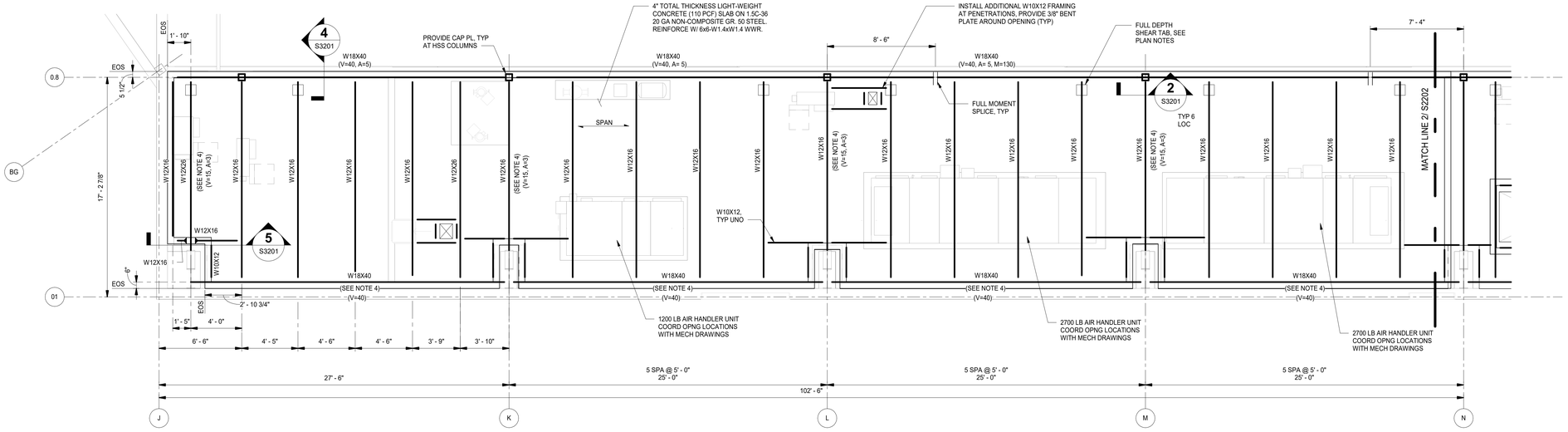
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PROJECT #: 3110650

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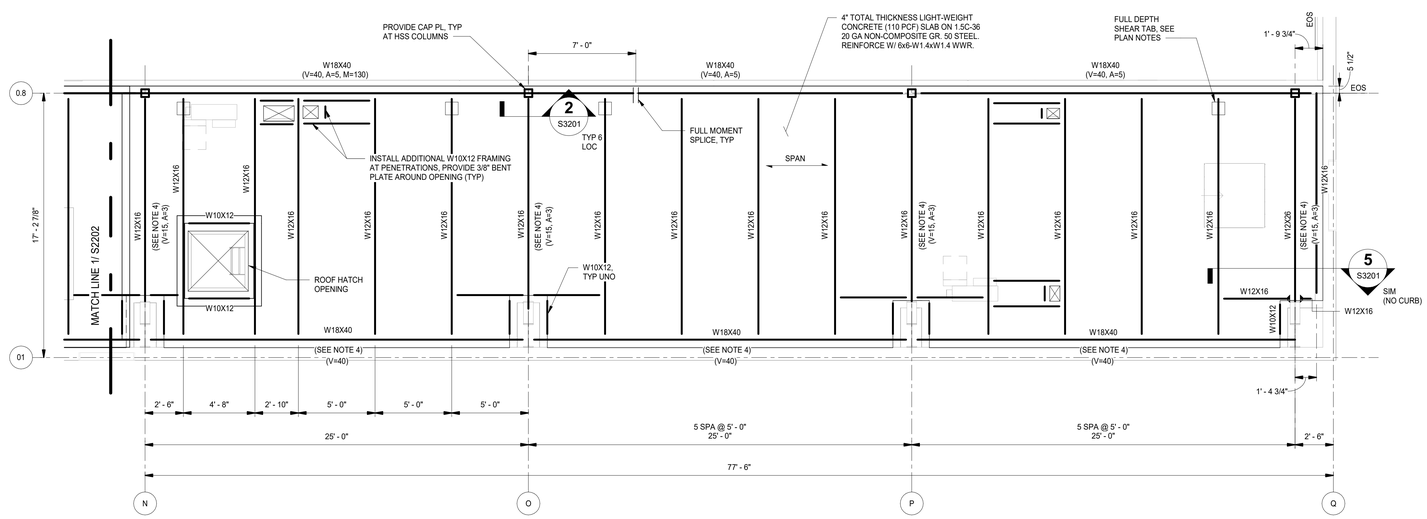
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1 S2202 HOLDROOM MECHANICAL PLATFORM FRAMING PLAN

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



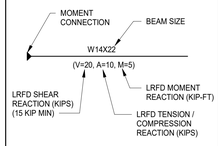
2 S2202 HOLDROOM MECHANICAL PLATFORM FRAMING PLAN (CONT)

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

PLAN NOTES

1. ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL. OF 0'-0." REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. REFER TO DRAWING S0001 AND S0002 FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
4. PEMB MANUF. TO DESIGN BUILDING COLUMNS TO RESIST THE END REACTIONS FROM MEZZANINE FRAMING AS SHOWN ON THE DRAWINGS. REFER TO S0001 FOR ADDITIONAL DESIGN CRITERIA.
5. MECHANICAL PLATFORM T/SLAB EL = 13'-0". T/STL EL = 12'-8"
6. PROVIDED AXIAL LOADS ARE TENSION/COMPRESSION (+/-). DELEGATED CONNECTION DESIGN SHALL BE DESIGNED ACCORDINGLY.
7. ☐ INDICATES FULL DEPTH SHEAR TAB. PROVIDE FULL DEPTH SHEAR TAB AT ALL INDICATED LOCATIONS TO BRACE BOTTOM FLANGE OF WF GIRDER.

FRAMING LEGEND



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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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5/1/2026

DRAWING TITLE
HOLDROOM MECHANICAL PLATFORM FRAMING PLAN

PROJECT #: 3110650

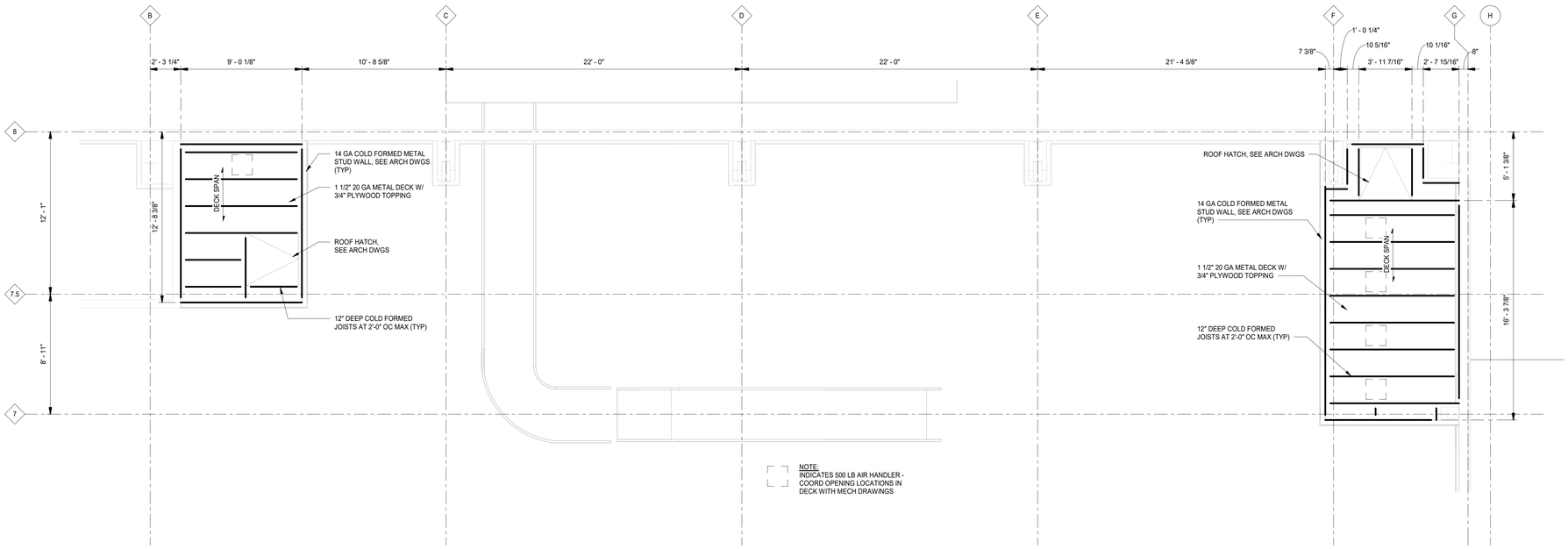
SHEET NUMBER
S2202

PLAN NORTH
TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

4/30/2026 4:10:16 PM
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1 S2203 TERMINAL AREA MECHANICAL PLATFORM FRAMING PLAN

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

NOTES:

1. MECHANICAL PLATFORM T/PLYWOOD = EL 13'-0". T/JOIST EL = 12'-9 3/4"
2. INSTALL ADDITIONAL FRAMING AS REQ'D AT OPENINGS FOR PVC PIPE AND HVAC DUCT. COORDINATE LOCATIONS WITH MECHANICAL DRAWINGS (TYP).

PLAN NOTES

1. ALL ELEVATIONS ARE BASED ON A FINISHED FLOOR EL. OF 0'-0." REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. REFER TO DRAWING S0001 AND S0002 FOR GENERAL NOTES, DESIGN CRITERIA AND SPECIAL INSPECTIONS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
4. MECHANICAL PLATFORMS IN EXIST TERMINAL ARE DELEGATED DESIGN ITEMS TO BE DESIGNED PER THE LOAD CRITERIA SPECIFIED ON DWG S0001.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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1	CONSTRUCTION DOCUMENTS	05/01/2026

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5/1/2026

DRAWING TITLE
TERMINAL MECHANICAL PLATFORM FRAMING PLAN

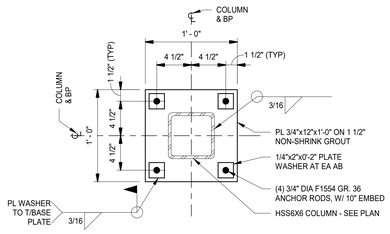
PROJECT #: 3110650

SHEET NUMBER

S2203

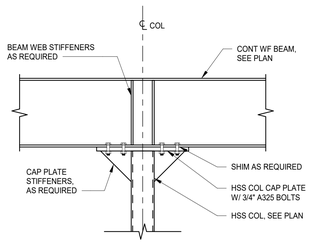
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1 S3201 BP1

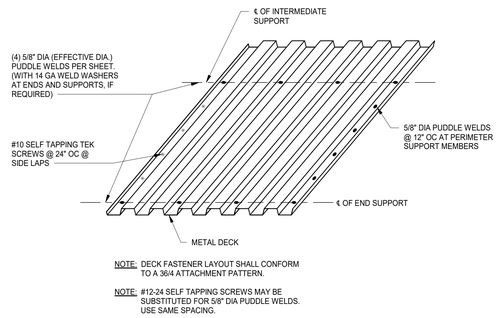
SCALE: 1 1/2" = 1'-0"



NOTE: METAL DECK AND SLAB NOT SHOWN FOR CLARITY

2 S3201 TYP MOMENT CONNECTION @ HSS COL

NTS

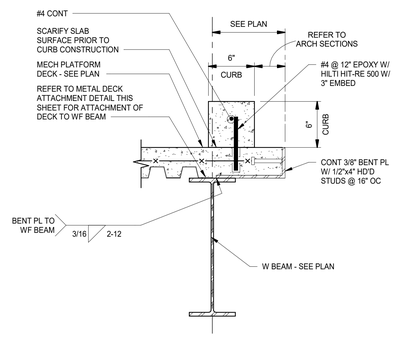


NOTE: DECK FASTENER LAYOUT SHALL CONFORM TO A 36/4 ATTACHMENT PATTERN.

NOTE: #12-24 SELF TAPPING SCREWS MAY BE SUBSTITUTED FOR 5/8" DIA PUDDLE WELDS. USE SAME SPACING.

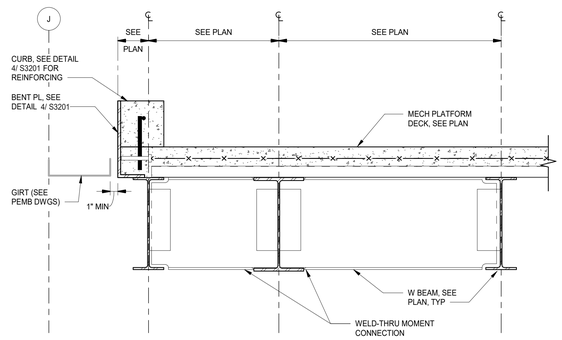
3 S3201 METAL FLOOR DECK ATTACHMENT

NTS



4 S3201 CURB

NTS



5 S3201 SECTION

NTS

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PHONE: (267) 757-1000

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
1	CONSTRUCTION DOCUMENTS	05/01/2026

STAMP

ALABAMA LICENSED No. 33106-E PROFESSIONAL ENGINEER BRIAN H. WOOD
5/1/2026

DRAWING TITLE
FRAMING SECTIONS AND DETAILS

PROJECT #: 3110650

SHEET NUMBER
S3201

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Autodesk Docs://Gulf Shores Airport/3110650_GSA_S_R25.rvt

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FLOOR SYSTEMS

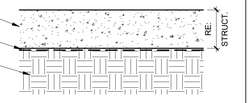
FS-01

FROM EXTERIOR TO INTERIOR:

03 30 00.E CONCRETE SLAB-ON-GRADE

07 26 00.A VAPOR RETARDER

PREPARED SUBGRADE

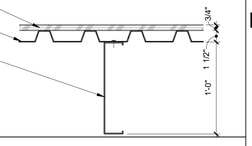


FS-02

06 10 00.N 3/4" FRT PLYWOOD

05 31 00.F COMPOSITE FLOOR DECK
RE: STRUCTURE

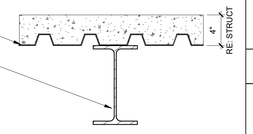
05 40 00.H COLD-FORMED METAL JOIST
RE: STRUCTURE



FS-03

05 31 00.F COMPOSITE FLOOR DECK
RE: STRUCTURE

05 12 00.A STEEL BEAM

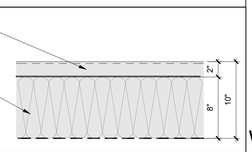


EXISTING ROOF SYSTEMS

XR-A

PRE-FINISHED METAL ROOF PANEL
WITH FASTENERS

VINYL FACED FIBER GLASS INSULATION



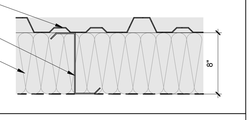
EXISTING WALL SYSTEMS

XWS-A

METAL WALL PANEL WITH FASTENERS

8" STEEL GIRT

VINYL FACED FIBER GLASS INSULATION



PARTITION TYPES

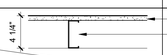
C1



09 29 00.A 5/8" GYP BD

09 22 16.C 2-1/2" METAL STUD

D1



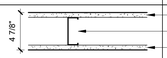
09 29 00.A 5/8" GYP BD

09 22 16.E 3-5/8" METAL STUD

09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITION

SOUND RATED

D2



09 29 00.A 5/8" GYP BD

09 22 16.E 3-5/8" METAL STUD

09 29 00.A 5/8" GYP BD

09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITIONS

SOUND RATED

F1



09 29 00.A 5/8" GYP BD

09 22 16.G 6" METAL STUD

09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITIONS

SOUND RATED

F2



09 29 00.A 5/8" GYP BD

09 22 16.G 6" METAL STUD

09 29 00.A 5/8" GYP BD

09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITIONS

SOUND RATED

F3



06 16 00.D 5/8" PLYWOOD SHEATHING

09 22 16.G 6" METAL STUD

09 29 00.A 5/8" GYP BD

09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITIONS

SOUND RATED

G1



09 29 00.J SOUND ATTENUATION BLANKET
AT SOUND RATED PARTITIONS

13 34 19.D 8" COLD-FORMED METAL STUD

09 22 16.C 2-1/2" METAL STUD

09 29 00.A 5/8" GYP BD

SOUND RATED

ROOF SYSTEMS

RS-01

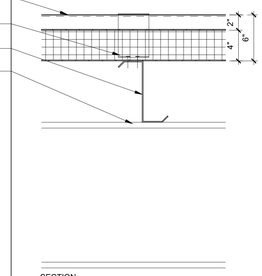
FROM EXTERIOR TO INTERIOR:

07 41 16.A INSULATED METAL ROOF PANEL
MIN R-25

07 41 16.B PANEL ATTACHMENT CLIP

13 34 19.B COLD-FORMED PURLIN

13 34 19.G STEEL BEAM



SECTION

WALL SYSTEMS

WS-01

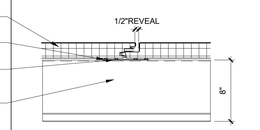
FROM EXTERIOR TO INTERIOR:

07 42 13.19.A INSULATED METAL WALL PANELS
MIN R14

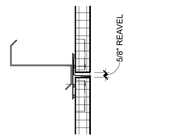
07 42 13.19.S BUTYL SEALANT

07 42 13.19.Q BACKER FLASHING PLATE
AT PANEL ANCHORAGE

13 34 19.H COLD-FORMED Z-GIRT



PLAN



SECTION

WS-02

FROM EXTERIOR TO INTERIOR:

07 46 16.I ALUMINUM CLADDING

07 46 16.C COLD-FORMED METAL HAT CHANNEL

07 21 00.K MINERAL FIBER EXT BOARD INSUL
R14

07 27 26.A FLUID-APPLIED MEMBRANE AIR AND
WEATHER RESISTIVE BARRIER

07 05 43.13.A COMPOSITE FRAMING CLADDING
SUPPORT SYSTEM

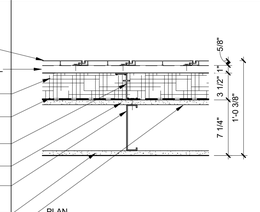
06 16 00.A 5/8" TYPE X GLASS-MAT GYP
SHEATHING

05 40 00.C 6" COLD-FORMED METAL STUD
AT 16" O.C. MAX

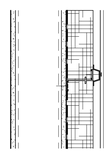
09 29 00.A 5/8" GYP BD

06 16 00.A 5/8" TYPE X GLASS-MAT GYP
SHEATHING

NOTE:
ALUMINUM SIDING TO ALTERNATE BETWEEN 6"
AND 8" PANEL SIZES.
RE: SPECIFICATIONS FOR PROFILE



PLAN



SECTION

WS-02A

AT WS-02A ELIMINATE:
09 29 00.A 5/8" GYP BD

SECTION

WS-03

FROM EXTERIOR TO INTERIOR:

EXISTING SALVAGED PANELS TO BE
REINSTALLED. PROVIDE NEW PANELS TO
MATCH EXISTING ALONG SOUTH END OF THE
CONNECTOR

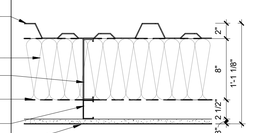
07 21 00.D UNFACED GLASS-FIBER BLANKET
INSUL

05 40 00.D 8" COLD-FORMED METAL STUD

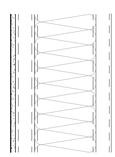
07 26 00.A VAPOR RETARDER

09 22 16.C 2-1/2" METAL STUD

09 29 00.A 5/8" GYP BD



PLAN



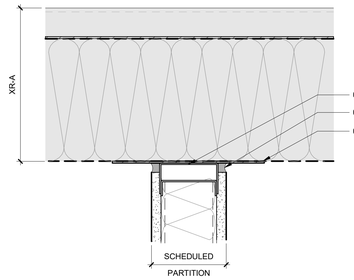
SECTION

WS-03A

AT WS-03A ELIMINATE:
09 29 00.A 5/8" GYP BD
09 22 16.C 2-1/2" METAL STUD

SECTION

PARTITION DETAILS

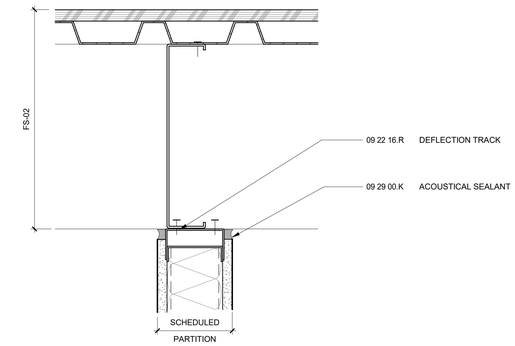


09 22 16.R DEFLECTION TRACK

09 29 00.K ACOUSTICAL SEALANT

05 12 00.J STEEL PLATE

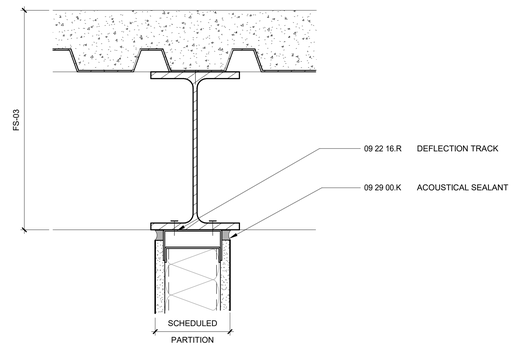
4 WALL HEAD TO EXISTING ROOF
A0105 SCALE: 3" = 1'-0"



09 22 16.R DEFLECTION TRACK

09 29 00.K ACOUSTICAL SEALANT

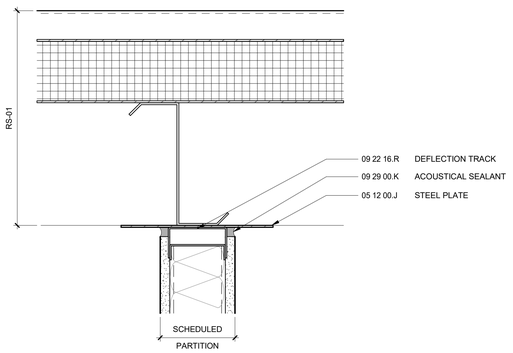
3 WALL HEAD TO DECK AT FS-02
A0105 SCALE: 3" = 1'-0"



09 22 16.R DEFLECTION TRACK

09 29 00.K ACOUSTICAL SEALANT

2 WALL HEAD TO FS-03
A0105 SCALE: 3" = 1'-0"



09 22 16.R DEFLECTION TRACK

09 29 00.K ACOUSTICAL SEALANT

05 12 00.J STEEL PLATE

1 WALL HEAD TO NEW ROOF
A5301 A0105 SCALE: 3" = 1'-0"

PARTITION CONDITIONS CODE

A. PARTITION TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE (FIRE RATED, NONRATED, AND SOUND BARRIER PARTITION ASSEMBLIES).
B. PARTITION METAL STUDS TO EXTEND TO STRUCTURE ABOVE, GYPSUM WALLBOARD ON ONE SIDE OF METAL STUD TO EXTEND TO STRUCTURE ABOVE, OPPOSITE SIDE OF METAL STUD GYPSUM WALLBOARD TERMINATES 6" ABOVE HIGHEST ADJACENT CEILING.
C. PARTITION METAL STUDS TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. GYPSUM WALLBOARD TO TERMINATE 6" ABOVE HIGHEST ADJACENT CEILING. (NONRATED; RATED WHEN USED IN CONJUNCTION WITH RATED CEILING ASSEMBLY ONLY. PROVIDE FIRESAFING/BLOCKING AS REQUIRED TO ACHIEVE RATED WALL AND CEILING ASSEMBLY).
D. PARTITION TO TERMINATE 6" ABOVE HIGHEST ADJACENT CEILING. DIAGONALLY BRACE TO STRUCTURE ABOVE AS REQ'D. (NONRATED; RATED WHEN USED IN CONJUNCTION WITH RATED CEILING ASSEMBLY ONLY).
E. SUSPENDED CEILING ASSEMBLY TO RUN PAST TOP OF PARTITION. DIAGONALLY BRACE PARTITION ABOVE CEILING TO STRUCTURE. (NONRATED; RATED WHEN USED IN CONJUNCTION WITH RATED CEILING ASSEMBLY ONLY).
F. LOW WALL PARTITION, SEE DETAIL OR INTERIOR ELEVATIONS FOR SCHEDULED HEIGHT, HEIGHT NOT TO EXCEED 6'-0" AFF PROVIDE 3"x3"x1/4" STL ANGLE SUPPORT BRACES @ 6'-0" O.C. MAX. WHERE WALL CONFIGURATION IS NOT SELF BRACING OR USED AS A GUARD RAIL. ANCHOR SUPPORT BRACES TO SLAB AS REQUIRED BY SLAB CONSTRUCTION.
G. SUSPENDED HORIZONTAL DRYWALL ENCLOSURE, SUSPENDED FROM AND SEALED TO UNDERSIDE OF FIRE RATED STRUCTURAL DECK OR STEEL STAIR STRINGERS.
H. SUSPENDED DRYWALL PARTITION FROM STRUCTURAL DECK ABOVE.
I. REFER TO INTERIOR ELEVATIONS, SECTION OR OTHER DETAILS FOR EXTENTS

PARTITION GENERAL NOTES

1. WHERE FIRE TESTS ARE INDICATED IN PARTITION DESCRIPTION, CONFIGURE AND INSTALL PARTITION PER TESTING AGENCY CRITERIA OR OTHER TESTS APPROVED BY LOCAL CODE OFFICIALS. TESTING AGENCY CRITERIA MAY INCLUDE ADDITIONAL COMPONENTS NOT SPECIFICALLY INDICATED ON THIS SCHEDULE OR REFERENCED DETAILS.
2. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS SHALL ESTABLISH LOCATION OF ALL PARTITIONS. LARGER SCALE DRAWINGS HAVE PRIORITY OVER SMALLER SCALE DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN THE DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
3. GYP BD IS 5/8 INCH TYPE "X" FIRE RATED GYP BD, TYPICAL. SOME PARTITIONS SUBSTITUTE 5/8 INCH TYPE "X" IN LIEU OF 1/2 INCH TYPE "C" REQUIRED BY LISTED TEST REPORT. CONFIRM APPROVAL OF THIS SUBSTITUTION BY THE BUILDING OFFICIAL.
4. DRYWALL PARTITION CONTROL JOINTS ARE REQUIRED AT APPROXIMATELY 30'-0" O.C. FOR STRAIGHT AND CONTINUOUS WALLS, AT OPENING LOCATIONS, OR AS NOTED OTHERWISE ON DRAWINGS. WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS SUBMIT CONTRACTOR'S PROPOSED CONTROL JOINT LOCATIONS TO ARCHITECT FOR APPROVAL.
5. DO NOT PLACE MECHANICAL AND/OR ELECTRICAL DEVICES BACK TO BACK IN SOUND BARRIER PARTITIONS. ALL DEVICES TO BE PLACED IN SEPARATE STUD SPACES WITH 8" O.C. MIN. SEPARATION.
6. DUCT PENETRATIONS THROUGH SOUND BARRIER PARTITIONS TO RECEIVE PERIMETER SOUND SEAL BETWEEN DUCT AND WALL FRAMING ON BOTH SIDES OF GYPSUM WALLBOARD LAYER MEETING DUCT SURFACES.
7. OUTER LAYER OF ALL INTERIOR GYP. BD. PARTITIONS ADJACENT OR EXPOSED TO HUMID CONDITIONS SHALL BE CONSTRUCTED WITH WATER RESISTANT GYP. BD. OR EQUAL AS THE SUBSTRATE. PREPARE SUBSTRATE TO RECEIVE SCHEDULED CERAMIC OR STONE TILE. WATER RESISTANT WALL PANELS OR HIGH PERFORMANCE PAINT FINISHES. HUMID SPACES INCLUDE BUT ARE NOT LIMITED TO TOILET ROOM WALLS, KITCHEN WALLS AND WALLS ADJACENT TO WATER FEATURES. USE GLASS-MAT TILE BACKING PANELS AT ALL WALLS IN DIRECT CONTACT WITH WATER, FOR EXAMPLE, SHOWERS, STEAM ROOMS, ETC. U.O.N.
8. FINISH ALL EXPOSED GYP BD CONSTRUCTION. ALL GYP BD CONSTRUCTION SHALL BE TAPED AND FLOATED. ALL EXPOSED CONSTRUCTION WILL BE SANDED SMOOTH TO REMOVE ALL INDICATION OF THE JOINT WITH A VISUAL INSPECTION AND PREPARED TO RECEIVE THE APPROPRIATE SCHEDULED WALL FINISH. FINISH SHALL BE IN ACCORDANCE WITH THE ROOM FINISH SCHEDULE AND/OR FINISH LEVELS NOTED IN THE GYPSUM BOARD SPECIFICATION SECTION 09 29 00.
9. PARTITIONS ARE DIMENSIONED TO FACE OF GYP BD, FACE OF MASONRY AND TO FACE OF EXISTING CONSTRUCTION. ANY INTERIOR PARTITIONS DIMENSIONED TO FACE OF METAL STUD ARE NOTED - "FOS" (FACE OF STUD).
10. PARTITIONS ARE PERPENDICULAR AND/OR PARALLEL TO COLUMN GRID U.O.N.
11. NOTES TO "ALIGN" MEAN TO ALIGN FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED AND SHALL HAVE PRIORITY OVER A DIMENSIONED LOCATION.
12. PERIMETER DIMENSIONS ARE TO FACE OF WALL BELOW SILL U.O.N.
13. PROVIDE 0.0329 INCH METAL BLOCKING AS SHOWN OR AS REQUIRED FOR ATTACHMENT OF WALL MOUNTED HARDWARE, TOILET ACCESSORIES, CASEWORK, MILLWORK, FINISH CARPENTRY ETC. AS MAY BE REQUIRED FOR THE SECURE ATTACHMENT OF ADJOINING WORK.
14. PROVIDE A 1/4 " WIDE SOFT JOINT AT ALL INTERSECTIONS OF INTERIOR PARTITIONS WITH EXTERIOR WALLS. SEE TYPICAL DETAIL.
15. PROVIDE STUDS OF GAUGE AND SPACING ADEQUATE TO SUPPORT APPLIED LOADS INCLUDING HAND-RAILS, GRAB BARS, WALL-MOUNTED FIXTURES, ETC.
16. PROVIDE AND INSTALL PENETRATION FIRESTOPPING ASSEMBLIES AT ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS AND SMOKE BARRIERS. SEE SPECIFICATION SECTION 07 8413 FOR ADDITIONAL REQUIREMENTS.
17. PROVIDE AND INSTALL FIRE RESISTIVE JOINT SYSTEMS AT ALL FIRE RATED PARTITION AND SMOKE BARRIER HEADS. REFER TO FIRE RESISTIVE JOINT SYSTEMS SPECIFICATION SECTION 07 84 46 FOR ADDITIONAL REQUIREMENTS REFER TO SPEC SECTION 09 22 16, "NON-STRUCTURAL METAL FRAMING" & SPEC SECTION 09 29 00, "GYPSUM BOARD" FOR ADDITIONAL REQUIREMENTS FOR GYPSUM BOARD ASSEMBLIES INCLUDING, BUT NOT LIMITED TO FIRE RATED CONSTRUCTION, BRACING AND SUPPORT, BLOCKOUTS, SOUND RATED CONSTRUCTION, MATERIALS AND TOLERANCES.
18. WHERE NOTED UL DESIGNS REFERENCE PROPRIETARY MATERIALS, EQUIVALENT MATERIALS FROM OTHER MANUFACTURERS WILL ONLY BE APPROVED UPON SUBMISSION BY THE CONTRACTOR OF EVIDENCE OF A SUCCESSFUL FIRE TEST BY AN INDEPENDENT TESTING LABORATORY OF THE PROPOSED MANUFACTURER'S ASSEMBLY INDICATING COMPLIANCE WITH THE LISTED FIRE-RESISTANCE RATING.
19. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS NOT SHOWN IN THIS SCHEDULE.
20. LIMITING HEIGHT IS SPAN BETWEEN TOP AND BOTTOM TRACKS, OR INTERMEDIATE BRACING. CONTRACTOR TO PROVIDE ENGINEERING CALCULATIONS FOR BRACING.
21. PROVIDE DEFLECTION HEAD AT ALL INTERIOR PARTITIONS WHICH SPAN FROM SLAB TO SLAB.

INSULATION SUFFIX CODE

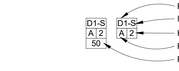
PROVIDE INSULATION IN PARTITIONS WHERE INDICATED BY THE PARTITION TYPE SYMBOL WITH AN INSULATION SUFFIX OF "T" OR "S" AS FOLLOWS

T: THERMAL BARRIER PARTITIONS ARE NOTED WITH SUFFIX "T". PROVIDE FULL THICKNESS FIBERGLASS BATT INSULATION. *SEE EXTERIOR WALL TYPES FOR EXTERIOR WALL THERMAL INFORMATION*

S: SOUND BARRIER PARTITIONS ARE NOTED WITH SUFFIX "S". AT SOUND BARRIER PARTITIONS AND ALL SHAFTWALL ASSEMBLIES, PROVIDE SOUND ATTENUATION BLANKET AS INDICATED IN THE PARTITIONS TYPES. FILL VOIDS BETWEEN OVERHEAD TRACK AND STRUCTURE WITH SOUND ATTENUATION BLANKET AND SEAL PERIMETER. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

NOTE:
STC RATINGS ARE BASED ON AMERICAN IRON AND STEEL INSTITUTE/STEEL FRAMING ALLIANCE/NRC ESTIMATION OF SOUND TRANSMISSION CLASS AND IMPACT INSULATION CLASS RATING FOR STEEL FRAMED ASSEMBLIES, RESEARCH REPORT RP08-7, 2008, B3436.1 REVISED AND GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL SOUND CONTROL, 21st EDITION, GA-600-2015. RATING ARE LABORATORY RATINGS. FIELD RATINGS MAY BE 4 INCREMENTS LOWER THAN LABORATORY RATINGS. CRITERIA IS BASED ON 18 MIL STUDS SPACED AT 24" O.C. AND GLASS FIBER INSULATION UON.

PARTITION TYPE SYMBOL



PARTITION TYPE - SEE PARTITION SCHEDULE THIS SHEET
INSULATION SUFFIX CODE - SEE DESCRIPTION THIS SHEET
HOURLY FIRE-RESISTANCE RATING
PARTITION CONDITION CODE - SEE DESCRIPTION THIS SHEET
PARTITION MINIMUM STC - SEE PARTITION INFORMATION SCHEDULE THIS SHEET

PARTITION INFORMATION - FRAMED

Partition Type	Fire Rating (HRS)	Fire Test	Stud Spacing (O.C)	STC no Insul	Sound Test	STC with Insul	Sound Test	Comments
C1	0	-	24" OR 16"	-	-	-	-	
D1	0	-	24" OR 16"	-	-	34	NGC 2013012	
D2	1	UL U465	24"	35	GA WP1072	45-49	GA WP1072	
D2	1	UL U465	16"	48	NGC 2518	48	NGC 2018107	
F1	0	-	24" OR 16"	-	-	37	NGC 2013021	
F2	1	UL U465	24"	35	GA WP 1072	45-49	WP1072	
F2	1	UL U465	16"	-	-	44	NGC 2018130	20GA STUDS
F3	0	-	24" OR 16"	-	-	-	-	
G1	0	-	24" OR 16"	-	-	-	-	

1. REFER TO STUD MANUFACTURER AND SSMA FOR LIMITING HEIGHT INFORMATION
2. SOME UL LISTINGS AND SOUND TESTS ARE BASED ON PROPRIETARY SYSTEMS. PROVIDE THE PROPRIETARY SYSTEM AS LISTED OR ALTERNATE THAT PROVIDES THE SAME LISTED FIRE RATING AND SOUND RATING.
3. MINIMUM EQUIVALENT THICKNESSES ARE BASED ON NCMA TEK 7-1C TABLE 2
4. A PARTITION TYPE THAT IS ILLUSTRATED BUT IS NOT LISTED IN THE TABLES ABOVE IS ASSUMED TO NOT HAVE A FIRE RATING OR SOUND RATING REQUIREMENT.

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TERMINAL 1.5
11155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
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8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
SYSTEM TYPES

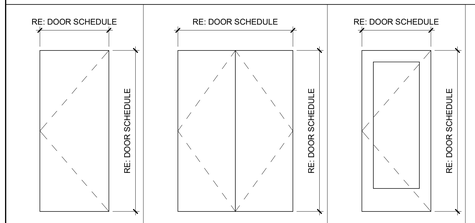
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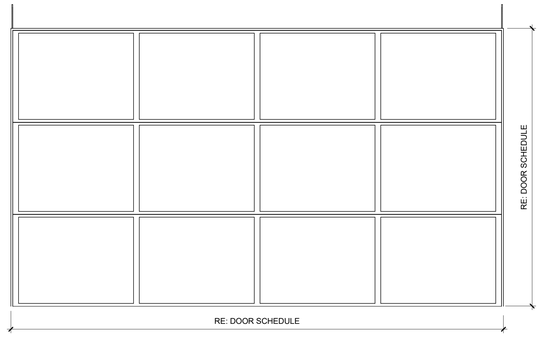
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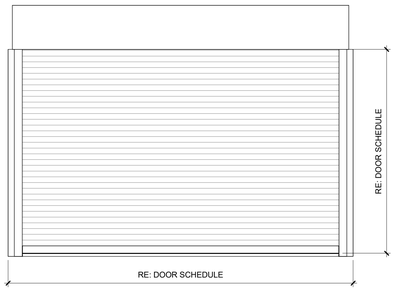
DOOR LEAF TYPES



TYPE:	DESCRIPTION:
A	Single Solid Door
B	Double Solid Door
D	Single Framed Door

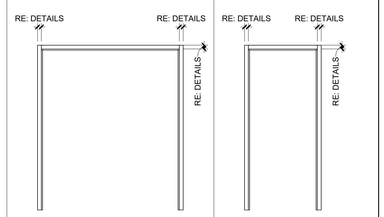


TYPE:	DESCRIPTION:
OHD	Glazed Vertical Lift Door



TYPE:	DESCRIPTION:
OHC	Overhead Coiling Door

FRAME TYPE



TYPE:	DESCRIPTION:
2	Double Frame Inset or Wall Wrap
1	Single Frame Inset or Wall Wrap

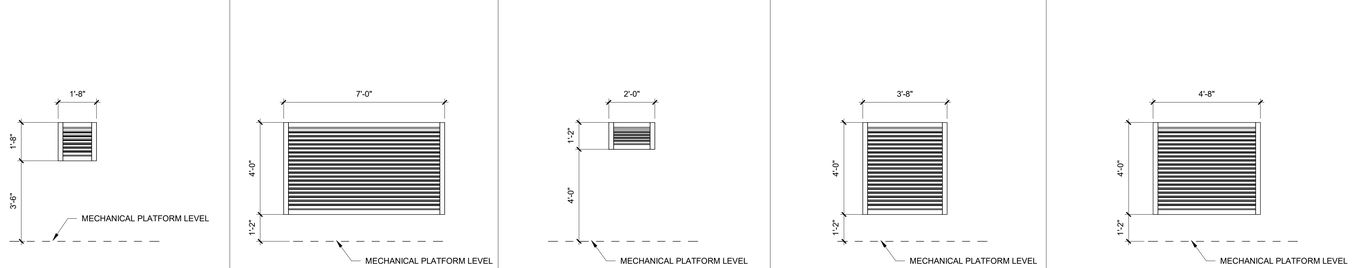
LOUVER SCHEDULE

LEVEL	Mark	HEAD	JAMB	SILL	COMMENTS	REVISIONS
MECH. PLATFORM	L-01	5/A7401	6/A7401	4/A7401	COLOR TO MATCH IMP-1	
MECH. PLATFORM	L-02	5/A7401	6/A7401	4/A7401	COLOR TO MATCH IMP-1	
MECH. PLATFORM	L-03	5/A7401	6/A7401	4/A7401	COLOR TO MATCH IMP-1	
MECH. PLATFORM	L-04	5/A7401	6/A7401	4/A7401	COLOR TO MATCH IMP-1	
MECH. PLATFORM	L-05	5/A7401	6/A7401	4/A7401	COLOR TO MATCH IMP-1	

DOOR SCHEDULE

NO.	ROOM	LEAF / DOOR WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	FRAME TYP	MATERIAL	FINISH	HEAD	JAMB	THRESHOLD	HARDWARE GROUP	COMMENTS	REVISION
101	150	3'-0"	9'-2"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	14/A6201	13/A6201	9/A6201		PANIC HARDWARE	
106A	106	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	16/A6201	15/A201	5/A6201	12		
106B	106	14'-0"	9'-0"	1"	OHC	Steel	Paint	NA	Steel	Steel	2/A6202	1/A6202	-	19		
107	107	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	-	9	SIM DETAIL CONDITIONS EXCEPT PARTITION IS EXISTING	
110	110	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
111	111	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
116	116	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
118	118	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
120	120	6'-0"	7'-0"	1 3/4"	B	HM	Paint	2	HM	Paint	3/A6201	2/A6201	1/A6201	4		
121	121	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201	9		
122	122	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
123	123	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
124	127	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
125	125	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
126	127	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
128	128	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
129	129	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201			
130	130	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201		CATALOGUE AND STORE EXISTING DOOR AND DOOR HARDWARE TO BE INSTALLED IN NEW LOCATION ON FLOOR PLANS.	
131A	131	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201	10	PANIC HARDWARE	
131B	150	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201	7	PANIC HARDWARE	
150	150	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	9/A6202	8/A6202	9/A6201			
150A	150	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	14/A6201	13/A6201	9/A6201	2	PANIC HARDWARE	
150B	149	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	14/A6201	13/A6201	9/A6201	2		
153	153	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201	14		
154	154	3'-0"	7'-0"	1 3/4"	A	HM	Paint	1	HM	Paint	7/A6201	6/A6201	5/A6201	9		
155A	155	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	12/A6201	10/A6201 & 11/A6201	9/A6201	2	PANIC HARDWARE	
155B	155	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	12/A6201	10/A6201 & 11/A6201	9/A6201		PANIC HARDWARE	
155C		20'-0"	12'-0"	2"	OHD	Steel	-	NA	Steel	MATCH AL-3	5/A6202	4/A6202	3/A6202	19		
156		20'-0"	12'-0"	2"	OHD	Steel	-	NA	Steel	MATCH AL-3	5/A6202	4/A6202	3/A6202	19		
157		3'-0"	8'-0"	1 3/4"	D	Glass	-	SEE ELEVATION	Steel	SS	6/A7160	5/A7160	-		PANIC HARDWARE	
158	158	7'-6"	8'-0"	1 3/4"	B	HM	Paint	2	HM	Paint	3/A6201	2/A6201	1/A6201	3		
158A	158	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201			
160	160	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201	17		
165	151	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201	5		
166	166	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201	6		
168	168	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201	6		
169	170	3'-0"	8'-0"	1 3/4"	A	HM	P-6	1	HM	Paint	7/A6201	6/A6201	5/A6201	15		
170A	170	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL AL	AL-3	12/A6201	10/A6201 & 11/A6201	9/A6201		PANIC HARDWARE	
170B	170	3'-0"	8'-0"	1 3/4"	D	AL	AL-3	SEE ELEVATION	AL	AL-3	12/A6201	10/A6201 & 11/A6201	9/A6201		PANIC HARDWARE	
170C	170	8'-0"	8'-0"	1 3/4"	B	HM	Paint	2	HM	Paint	3/A6201	2/A6201	1/A6201	1	PANIC HARDWARE	

LOUVER TYPE



MARK:	DESCRIPTION:
L-01	Exterior Louver Re: Mechanical
L-02	Exterior Louver Re: Mechanical
L-03	Exterior Louver Re: Mechanical
L-04	Exterior Louver Re: Mechanical
L-05	Exterior Louver Re: Mechanical

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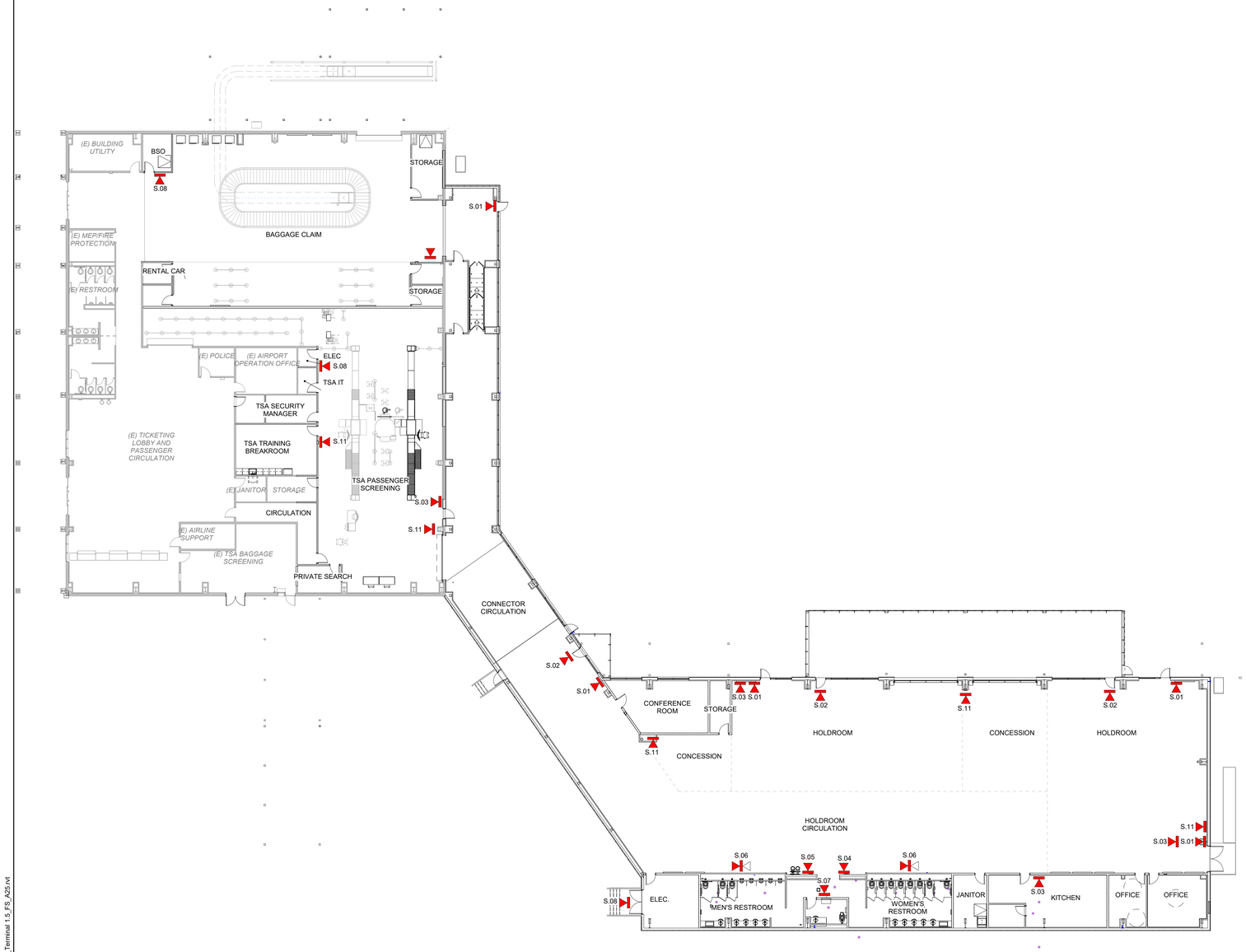
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DOOR, GLAZING AND LOUVER TYPES

PROJECT #: 20250023

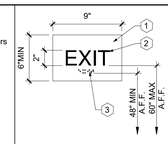
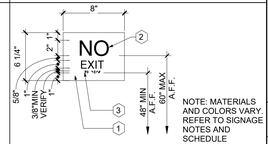
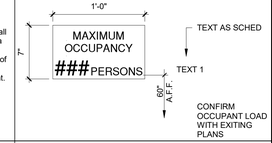
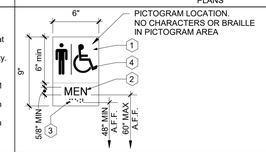
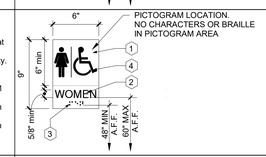
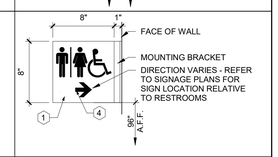
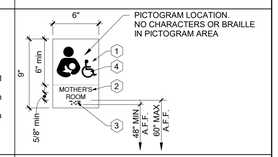
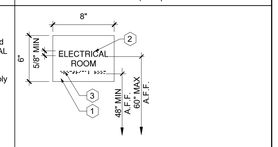
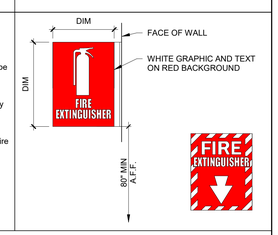
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1 SIGNAGE PLAN
A2311 A0123 SCALE: 1/16" = 1'-0"

S.01	TACTILE EXIT SIGN Raised character and braille exit signs. A sign stating EXIT in visual characters, raised characters and braille and complying with ICC A117.1 shall be provided adjacent to each door to an • Area of Refuge • Exterior Area for Assisted Rescue • Exit Stairway or Ramp • Exit Passageway • Exit Discharge.	
S.02	NO EXIT SIGN Any door, passage, or stairway that is neither an exit nor a way of exit access and that is located or arranged so that it is likely to be mistaken for an exit shall be identified by a sign that reads as follows: 'NO EXIT' The NO EXIT sign shall have the word NO in letters 2 in. high with a stroke width of 3/8" in., and the word EXIT in letters 1 in. high with the word EXIT below the word NO, unless such sign is an approved existing sign. Raised characters and braille shall comply with ICC 2017 A117.1	
S.03	OCCUPANT LOAD SIGN Posting of Occupant Load. Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or the owner's authorized agent.	
S.04	RESTROOM SIGN Signage Required public facilities shall be provided with signs that designate the sex as required. Signs shall be readily visible and located near the entrance to each toilet facility. Signs for accessible toilet facilities shall comply. Text, pictogram and braille shall comply with ICC A117.1 Locate sign in compliance with ICC A117.1. Locate sign along latch side of doors. Where no wall space on the latch side of the door is available sign shall be placed on the nearest adjacent wall.	
S.05	WOMEN RESTROOM SIGN Signage Required public facilities shall be provided with signs that designate the sex as required. Signs shall be readily visible and located near the entrance to each toilet facility. Signs for accessible toilet facilities shall comply. Text, pictogram and braille shall comply with ICC A117.1 Locate sign in compliance with ICC A117.1. Locate sign along latch side of doors. Where no wall space on the latch side of the door is available sign shall be placed on the nearest adjacent wall.	
S.06	RESTROOM DIRECTIONAL SIGN Directional Signage Directional signage indicating the route to the required public toilet facilities shall be posted in a lobby, corridor, aisle or similar space, such that the sign can be readily seen from the main entrance to the building or tenant space.	
S.07	NURSING ROOM SIGN Required accessible elements shall be identified by the International Symbol of Accessibility; -Accessible rooms where multiple single user toilet or bathing rooms are clustered at a single locations Text, pictogram and braille shall comply with ICC A117.1 Locate sign in compliance with ICC A117.1. Locate sign along latch side of doors. Where no wall space on the latch side of the door is available sign shall be placed on the nearest adjacent wall.	
S.08	ELECTRICAL ROOM SIGN Equipment and door labeling. Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panelboard shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident.	
S.11	FIRE EXTINGUISHER LOCATION Unobstructed and unobscured. Portable fire extinguishers shall not be obstructed or obscured from view. In rooms or areas in which visual obstruction cannot be completely avoided, means shall be provided to indicate the locations of extinguishers. NFPA 2013 6.1.3.3.2 In large rooms and in certain locations where visual obstructions cannot be completely avoided, means shall be provided to indicate the extinguisher location. NFPA 2013 6.1.3.3.3 Where signs are used to indicate fire extinguisher locations, the signs shall comply with the following: (1) They shall be located in close proximity to the extinguisher. (2) They shall be visible from the normal path of travel.	

GENERAL NOTES

1. RAISED CHARACTERS AND BRAILLE SHALL COMPLY WITH ADA 2010, 703 AND ICC A117.1, 703.3. ALL TEXT CHARACTERS AT SIGNAGE WITH BRAILLE TO BE RAISED TACTILE CHARACTERS.
2. BRAILLE SHALL COMPLY WITH ADA 2010, 703.3 AND ICC A117.1 703.4.
3. BRAILLE SHOWN FOR POSITIONING ONLY. FABRICATOR RESPONSIBLE FOR PROVIDING ACCURATE BRAILLE TRANSLATIONS FOR TACTILE CHARACTERS.
4. VERTICAL CLEARANCE ABOVE AND BELOW BRAILLE TO EDGES AND OTHER RAISED ELEMENTS TO BE 3/8" MINIMUM.
5. ALL WALL MOUNTED SIGNS TO BE SANS SERIF FONT, UNLESS OTHERWISE NOTED.
6. ALL ADHESIVE FILM TO BE 3M.
7. REFERENCE SPECIFICATION SECTION 10 14 00 FOR FURTHER INFORMATION AND SPECIFIC PHOTOLUMINESCENT REQUIREMENTS.
8. FINAL ROOM NUMBERS TO BE PROVIDED BY OWNER.

MATERIAL NOTES

1. SIGN MATERIAL: 1/8" THICK FROSTED NON-GLARE ACRYLIC, BACK PAINTED WHITE AT TYPICAL LOCATIONS AND PAINTED ALUMINUM AT EXTERIOR AND GARAGE LOCATIONS (MT-1)
2. TEXT COLOR: TO MATCH P-7 (ASHWOOD MOSS 1484)
3. BRAILLE TO MATCH BACKGROUND COLOR.
4. PICTOGRAM: TO MATCH P-7 (ASHWOOD MOSS 1484)
5. .50" THICK POST MOUNT DIMENSIONAL LETTERS - TO MATCH P-7 (ASHWOOD MOSS 1484)

SIGN KEY



PLAN NORTH

TRUE NORTH

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CONSULTANT

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
SIGNAGE PLAN AND TYPES

PROJECT #: 20250023

SHEET NUMBER
A0123

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CONCRETE

SC-1
SPEC SECTION: 03 39 00
DESCRIPTION: SEALED CONCRETE
MANUFACTURER: CONCRETE SEALERS USA
PRODUCT NAME: PS101 SILCONATE WATER REPELLANT W/B PENETRATING SEALER
MODEL: PS1011G

METALS

M-1
SPEC SECTION: 05 75 00
DESCRIPTION: BRUSHED STAINLESS STEEL
MANUFACTURER: RIGIDIZED
COLOR/FINISH: #4 SATIN FINISH
COMMENTS: RESTROOM OPENING HEADER TRIM

M-2
SPEC SECTION: 09 30 13
DESCRIPTION: COVE BASE
MANUFACTURER: SCHLUTER SYSTEMS
PRODUCT NAME: ALUMINUM COVE BASE
MODEL: DILEX-AHK, PRODUCT CODE: AHK1S80AE
COLOR/FINISH: BRUSHED CHROME ANODIZED
SIZE: 8MM

M-3
SPEC SECTION: 09 30 13
DESCRIPTION: TILE TRIM
MANUFACTURER: SCHLUTER SYSTEMS
PRODUCT NAME: ALUMINUM EDGE PROTECTION
MODEL: JOLLY
COLOR/FINISH: BRUSHED CHROME ANODIZED
SIZE: 8MM
COMMENTS: AT EXPOSED TILE EDGES

OPENINGS

GL-1
SPEC SECTION: 08 80 00
DESCRIPTION: LAMINATED INSULATING GLASS
MANUFACTURER: VIRACON
MODEL: VRE24-4725

GL-2
SPEC SECTION: 08 80 00
DESCRIPTION: LAMINATED INSULATING GLASS WITH 50% FRIT
MANUFACTURER: VIRACON
MODEL: VRE24-4725
COLOR/FINISH: 50% V952 WARM GRAY #2

GL-3
SPEC SECTION: 08 80 00
DESCRIPTION: LAMINATED INSULATING GLASS
MANUFACTURER: VIRACON
MODEL: VRE24-4725
COMMENTS: 1 1/16" THICK AT VERTICAL LIFT DOORS

GL-4
SPEC SECTION: 05 73 13
DESCRIPTION: LAMINATED TEMPERED GLASS
MANUFACTURER: GLASS AND METAL CRAFT
PRODUCT NAME: GLASS WINDSCREEN
COLOR/FINISH: LOW-IRON

FLOOR FINISHES

CT-1
SPEC SECTION: 09 68 13
DESCRIPTION: TILE CARPETING
MANUFACTURER: SHAW
PRODUCT NAME: OFF THE GRID
MODEL: BEYOND
COLOR/FINISH: RIDGE
SIZE: 12" X 48"
COMMENTS: RE MFR. DRAWINGS FOR INSTALLATION

CT-2
SPEC SECTION: 09 68 13
DESCRIPTION: TILE CARPETING
MANUFACTURER: SHAW
PRODUCT NAME: OFF THE GRID
MODEL: SEEK
COLOR/FINISH: RIDGE
SIZE: 12" X 48"
COMMENTS: RE MFR. DRAWINGS FOR INSTALLATION

CT-3
SPEC SECTION: 09 68 13
DESCRIPTION: TILE CARPETING
MANUFACTURER: MILLIKEN
PRODUCT NAME: COASTTLINE AMERICAS
MODEL: LANDSCAPE
COLOR/FINISH: LND5-15 CRUSH
SIZE: 50CM X50CM X 8.6MM
COMMENTS: MONOLITHIC INSTALLATION

LVP-1
SPEC SECTION: 09 65 19
DESCRIPTION: LUXURY VINYL PLANK
MANUFACTURER: FLOORET
PRODUCT NAME: MODIN GLUE DOWN PLANK
MODEL: SIGNATURE GLUE DOWN FL-MR-ARLO-G
COLOR/FINISH: ARLO
SIZE: 9" X 72" X 3MM
COMMENTS: 30 MIL WEAR LAYER: RE. FINISH FLOOR PLAN FOR INSTALLATION

PFT-1
SPEC SECTION: 09 30 13
DESCRIPTION: PORCELAIN FLOOR TILE
MANUFACTURER: DALTILE
PRODUCT NAME: DIGNITARY
COLOR/FINISH: NOTABLE BEIGE DR09
SIZE: 12" X 24" X 5/16"
COMMENTS: RUNNING BOND 1/3 OFFSET

PFT-2
SPEC SECTION: 09 30 13
DESCRIPTION: PORCELAIN FLOOR TILE
MANUFACTURER: DALTILE
PRODUCT NAME: EMERSON WOOD
COLOR/FINISH: BALSAM FIR EP04
SIZE: 6" X 48" X 5/16"
COMMENTS: RE. FINISH FLOOR PLAN FOR INSTALLATION

SDT-1
SPEC SECTION: 09 65 19
DESCRIPTION: RUBBER TILE
MANUFACTURER: ROPPE
PRODUCT NAME: STATIC CONTROL TILE
MODEL: ESD RUBBER TILE DISSIPATIVE
COLOR/FINISH: F329 CADETE
SIZE: 24" X 24"

WALL FINISHES

AL-2
SPEC SECTION: 07 46 16
DESCRIPTION: ALUMINUM CLADDING
MANUFACTURER: KNOTWOOD
PRODUCT NAME: CLASSIC BOARD
MODEL: KEC150 AND KEC200
COLOR/FINISH: SILVER WATTLE
SIZE: ALTERNATE BETWEEN 6" AND 8" PROFILES
COMMENTS: REFER TO EXTERIOR DETAILS. METAL TRIM AND FLASHINGS TO MATCH PANEL COLOR

AL-3
SPEC SECTION: 08 41 13
DESCRIPTION: ALUMINUM STOREFRONT
MANUFACTURER: KAWNEER
PRODUCT NAME: TRIFAB VERSA GLAZE
MODEL: 501 OR 601 FRAMING SYSTEM
COLOR/FINISH: SAND STONE
SIZE: REFER TO STOREFRONT DETAILS

AL-4
SPEC SECTION: 07 46 16
DESCRIPTION: INTERIOR ALUMINUM CLADDING
MANUFACTURER: KNOTWOOD
PRODUCT NAME: INTERLOCKING BOARDS - CLASSIC
MODEL: KEC100
COLOR/FINISH: NORWEGIAN BEECH
SIZE: 4" CLASSIC BOARD PROFILE
COMMENTS: 1/4" SHADOW REVEAL BETWEEN BOARDS. HORIZONTAL APPLICATION

AL-4A
SPEC SECTION: 07 46 16
DESCRIPTION: ALUMINUM CLADDING
MANUFACTURER: KNOTWOOD
PRODUCT NAME: CLASSIC BOARDS
MODEL: KEC100
COLOR/FINISH: NORWEGIAN BEECH
SIZE: 4" CLASSIC BOARD PROFILE
COMMENTS: FOR VERTICAL FRAME AROUND RESTROOM

CG-2
SPEC SECTION: 10 26 00
DESCRIPTION: CORNER GUARD
MANUFACTURER: CONSTRUCTION SPECIALTIES
PRODUCT NAME: VINYL WRAPPED CORNER GUARD
MODEL: SSM SERIES
COLOR/FINISH: 949 WHITE
SIZE: 2" X 2" X 48"
COMMENTS: ALL ON OUTSIDE GYP CORNERS

FRP-1
SPEC SECTION: 06 64 00
DESCRIPTION: FIBERGLASS REINORCED PANEL
MANUFACTURER: MARLITE
PRODUCT NAME: ARTIZAN MAX FRP WALL PROTECTION
COLOR/FINISH: SW 7632 MODERN GRAY
SIZE: 48" X 96" X 3/32"
COMMENTS: WHITE PVC TRIM

IMP-1
SPEC SECTION: 07 42 13.19
DESCRIPTION: INSULATED METAL PANEL
MANUFACTURER: CENTRIA
MODEL: FORMAWALL
COLOR/FINISH: OFF WHITE 993
SIZE: VARIES, REFER TO EXTERIOR ELEVATIONS FOR SIZE AND PATTERN
COMMENTS: METAL TRIM AND FLASHINGS TO MATCH PANEL COLOR

M-4
SPEC SECTION: 10 26 00
DESCRIPTION: WALL END CAP
MANUFACTURER: JTC METALS
PRODUCT NAME: STAINLESS STEEL END CAP
COLOR/FINISH: BRUSHED #4
SIZE: 1.5" X 1.5" X 84"

MB-1
SPEC SECTION: 05 75 00
DESCRIPTION: STAINLESS STEEL
MANUFACTURER: RIGIDIZED
PRODUCT NAME: STAINLESS STEEL WALL BASE
COLOR/FINISH: #4 BRUSHED
SIZE: RE.: ELEVATION AND DETAIL

MWP-1
SPEC SECTION: 07 42 13.23
DESCRIPTION: FORMED METAL LINER WALL PANELS
MANUFACTURER: PEMB
COMMENTS: TO MATCH EXISTING METAL PANELS

P-1
SPEC SECTION: 09 91 23
DESCRIPTION: PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL: SW 7757 HIGH REFLECTIVE WHITE

P-3
SPEC SECTION: 09 91 23
DESCRIPTION: PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL: SW7632 MODERN GREY
COMMENTS: INTERIOR DOORS

PWT-1
SPEC SECTION: 09 30 13
DESCRIPTION: PORCELAIN WALL TILE
MANUFACTURER: MILESTONE
PRODUCT NAME: URBAN LIVING
COLOR/FINISH: SYMPHONY BLUE, GLOSSY
SIZE: 3" X 12" X 8MM
COMMENTS: RE. ELEVATIONS FOR TILE PLACEMENT

PWT-2
SPEC SECTION: 09 30 13
DESCRIPTION: PORCELAIN WALL TILE
MANUFACTURER: MILESTONE
PRODUCT NAME: URBAN LIVING
COLOR/FINISH: DEW, GLOSSY
SIZE: 3" X 12" X 8MM
COMMENTS: RE. ELEVATIONS FOR TILE PLACEMENT

RB-1
SPEC SECTION: 09 65 13
DESCRIPTION: RESILIENT BASE
MANUFACTURER: JOHNSONITE
PRODUCT NAME: BASEWORKS THERMOSET RUBBER (TYPE TS)
MODEL: TSBT 71 6 X 4 1/8
COLOR/FINISH: 71 STORM CLOUD
SIZE: TOELESS BASEWORKS 6"

CEILING FINISHES

AC-1
SPEC SECTION: 09 51 13
DESCRIPTION: ACOUSTIC CEILING TILE
MANUFACTURER: ARMSTRONG
PRODUCT NAME: CALLA
MODEL: SQUARE LAY-IN, TEGULAR
COLOR/FINISH: WHITE
SIZE: 24" X 24" X 1"

P-2
SPEC SECTION: 09 91 23
DESCRIPTION: CEILING PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR/FINISH: SW 7757 HIGH REFLECTIVE WHITE
COMMENTS: TO BE PAINTED ON ALL GYP CEILINGS

LB-1
SPEC SECTION: 09 54 39
DESCRIPTION: ACOUSTIC CEILING BAFFLES
MANUFACTURER: TURF
MODEL: CONTOUR
COLOR/FINISH: 26 FADED DENIM
SIZE: TIER T2: 4" TO 11.5" DEPTH: 9MM THICKNESS
COMMENTS: P1000T UNISTRUT: FELTLOCK

SOLID SURFACE MATERIALS

SSM-1
SPEC SECTION: 12 36 61
DESCRIPTION: QUARTZ COUNTERTOP
MANUFACTURER: CAMBRIA
PRODUCT NAME: COORDINATES SERIES
MODEL: ST. ISLEY
COLOR/FINISH: POLISHED
SIZE: 132" X 65.5"
COMMENTS: 2CM THICKNESS

SPECIALTIES

AL-1
SPEC SECTION: 07 46 16
DESCRIPTION: ALUMINUM BATTENS
MANUFACTURER: KNOTWOOD
MODEL: KEB50200F-03
COLOR/FINISH: SILVER WATTLE
SIZE: 2" X 8" BATTENS
COMMENTS: REFER TO PERGOLA DETAILS

MRP-1
SPEC SECTION: 07 41 16
DESCRIPTION: INSULATED METAL ROOF PANEL
MANUFACTURER: CENTRIA
MODEL: VERSANEL ROOF
COLOR/FINISH: LIGHT SEAWOLF 9910
COMMENTS: GUTTERS, DOUWNSPOUTS, FASCIA, AND ANY OTHER RELATED METAL FLASHINGS TO MATCH ROOF PANEL COLOR

PTC-1
SPEC SECTION: 10 21 13.17
DESCRIPTION: PHENOLIC TOILET
MANUFACTURER: ASI GLOBAL
MODEL: ALPACO CLASSIC
AGED ASH
COMMENTS: FLOOR ANCHORED OVERHEAD BRACED

TT-1
DESCRIPTION: FLOOR TRANSITION
MANUFACTURER: SCHLUTER
PRODUCT NAME: SCHIENE
COLOR/FINISH: STONE GREY
SIZE: 8MM
COMMENTS: TRANSITION BETWEEN LVP-1 AND PFT-2

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR	FLOOR ACCENT	WALL BASE	WALL MAIN	WALL ACCENT	CEILING	COMMENTS
101	BAGGAGE CLAIM	CT-2	CT-1	SS-1	P-1	-	-	
106	TSA PASSENGER SCREENING	CT-2	-	SS-1	P-1	-	-	
110	TSA TRAINING BREAKROOM	CT-3	-	RB-1	P-1	-	P-2	
111	TSA SECURITY MANAGER	CT-3	-	RB-1	P-1	-	P-2	
116	STORAGE	SC-1	-	-	P-1			
118	CIRCULATION	CT-2	-	SS-1	P-1	-	AC-1	
121	BSO	-	-	-	P-1	-	-	
122	STORAGE	-	-	-	P-1	-	-	
123	STORAGE	CT-3	-	RB-1	P-1	-	AC-1	
124	STORAGE	CT-3	-	RB-1				
125	STORAGE	CT-3	-	RB-1				
126	STORAGE	CT-3	-	RB-1	P-1	-	AC-1	
127	RENTAL CAR	CT-2	-	SS-1	P-1	-	-	
128	ELEC	SDT-1	-					
129	TSA IT	SDT-1	-					
130	PRIVATE SEARCH	CT-3	-	RB-1	P-1	-	AC-1	
131	CORRIDOR	CT-1	-	RB-1	P-1		AC-1	
150	CONNECTOR CIRCULATION	CT-2	CT-1	SS-1	P-1	-	LB-1	
151	HOLDROOM CIRCULATION	CT-3	CT-1	SS-1	P-1	-	-	
152	CONCESSION	LVP-1	-	SS-1	P-1	-	-	
153	CONFERENCE ROOM	CT-3		RB-1	P-1	-	AC-1	
154	STORAGE	SC-1	-	-	P-1	-	AC-1	
155	HOLDROOM	CT-3		SS-1	P-1	-	-	
156	CONCESSION	LVP-1		SS-1	P-1	-	-	
158	ELEC.	SDT-1	-	RB-1	P-1	-	-	
159	MEN'S RESTROOM	PFT-1	-	M-2	PWT-1	PWT-2	P-2	RE. ELEVATIONS FOR PAINT AND TILE LOCATIONS
160	MOTHERS ROOM	PFT-1	-	M-2	PWT-1	PWT-2	P-2	RE. ELEVATIONS FOR PAINT AND TILE LOCATIONS
162	WOMEN'S RESTROOM	PFT-1	-	M-2	PWT-1	PWT-2	P-2	RE. ELEVATIONS FOR PAINT AND TILE LOCATIONS
165	JANITOR	SC-1	-	RB-1	P-1	FRP-1	-	
166	KITCHEN	RF-1	-	-	P-1	-	AC-1	INTEGRAL BASE WITH RF-1
168	OFFICE	CT-3	-	RB-1	P-1	-	AC-1	
169	OFFICE	CT-3	-	RB-1	P-1	-	AC-1	
170	HOLDROOM	CT-3	-	SS-1	P-1	-	-	

FINISH NOTES

1. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
2. 12"H STAINLESS STEEL WALL BASE TO BE INSTALLED THROUGHOUT PUBLIC FACING AREAS, EXCEPT AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS. WALL BASE AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS TO BE 1"H STAINLESS STEEL COVE BASE. JANITORIAL WALL BASE TO BE 6" RUBBER BASE.
3. PROVIDE TRANSITION STRIPS AT NEW FLOORING LOCATIONS.
4. REPLACE EXISTING BASE WITH RB-1 AT ALL LOCATIONS WHERE NEW CARPET IS BEING INSTALLED WITHIN THE EXISTING TERMINAL BUILDING.
5. TILE TO BE CENTERED IN ROOM UNO. IF TILE AT ROOM PERIMETER IS LESS THAN HALF A TILE DURING TEST FIT, CENTER TILE JOINT IN ROOM TP SEE IF THE RESULT ALLOWS FOR A LARGER TILE. INSTALL THE LARGER SOLUTION.
6. FINISH FLOORING TO BE INSTALLED UNDER ALL NEW OR RELOCATED CASEWORK AND EQUIPMENT.
7. CT-1 AND CT-2 TILE LAYOUT ON FINISH PLANS IS REPRESENTATIONAL. MANUFACTURER TO PROVIDE SHOP DRAWINGS WITH CARPET TILE LAYOUT FOR CT-1 AND CT-2 FOR ARCHITECT APPROVAL PRIOR TO INSTALLATION.

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STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
COLORS AND FINISHES AND ROOM FINISH SCHEDULE

PROJECT #: 20250023

SHEET NUMBER
A0140

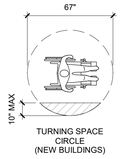
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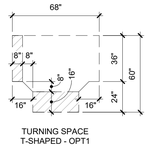
ACCESSIBILITY GUIDELINES

* BASED ON THE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

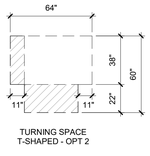
TURNING SPACE AND CLEAR FLOOR SPACE



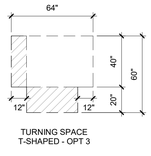
TURNING SPACE
CIRCLE
(NEW BUILDINGS)



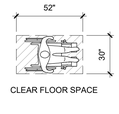
TURNING SPACE
T-SHAPED - OPT1



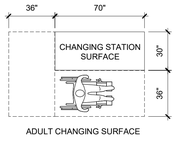
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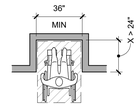
TURNING SPACE
T-SHAPED - OPT 3



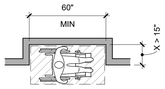
CLEAR FLOOR SPACE



ADULT CHANGING SURFACE

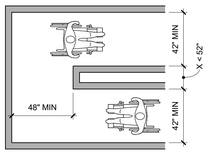


ALCOVE MANEUVERING CLEARANCE
FORWARD APPROACH

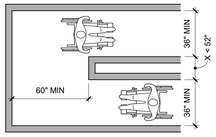


ALCOVE MANEUVERING CLEARANCE
PARALLEL APPROACH

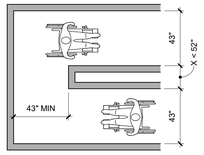
INDICATES KNEE AND TOE OVERLAP CLEARANCE



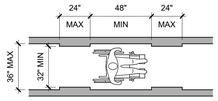
CLEAR WIDTH AT
180 DEGREE TURN
OPT 1



CLEAR WIDTH AT
180 DEGREE TURN
OPT 2

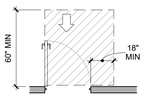


CLEAR WIDTH AT
180 DEGREE TURN
OPT 3

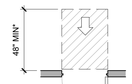


CLEAR WIDTH AT
ACCESSIBLE ROUTE

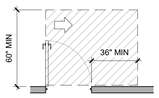
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS



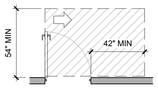
FRONT APPROACH
PULL SIDE



FRONT APPROACH
PUSH SIDE

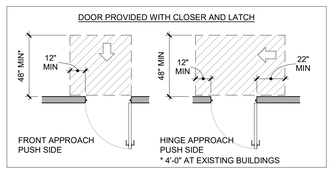


HINGE APPROACH
PULL SIDE



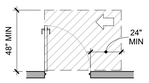
HINGE APPROACH
PULL SIDE

DOOR PROVIDED WITH CLOSER AND LATCH

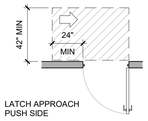


FRONT APPROACH
PUSH SIDE

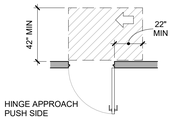
HINGE APPROACH
PUSH SIDE
* 4'-0" AT EXISTING BUILDINGS



LATCH APPROACH
PULL SIDE

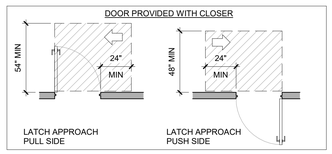


LATCH APPROACH
PUSH SIDE



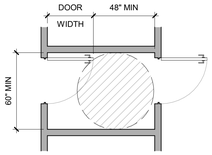
HINGE APPROACH
PUSH SIDE

DOOR PROVIDED WITH CLOSER

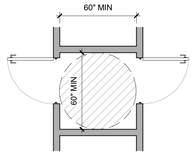


LATCH APPROACH
PULL SIDE

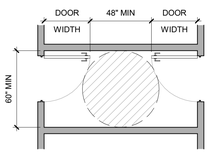
LATCH APPROACH
PUSH SIDE



DISTANCE BETWEEN
2 HINGED OR PIVOTED DOORS

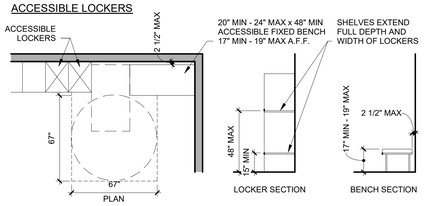


DISTANCE BETWEEN
2 HINGED OR PIVOTED DOORS



DISTANCE BETWEEN
2 HINGED OR PIVOTED DOORS

ACCESSIBLE LOCKERS

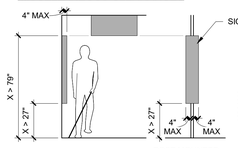


PLAN

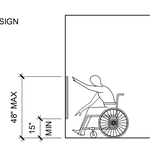
LOCKER SECTION

BENCH SECTION

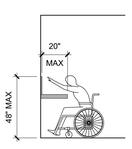
MISCELLANEOUS CLEARANCES



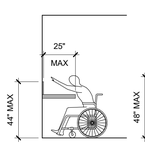
POST MOUNTED
LIMITATION ON PROTRUDING OBJECTS



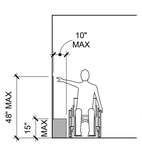
UNOBSTRUCTED
FORWARD REACH



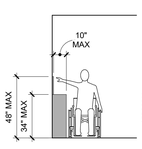
OBSTRUCTED
HIGH FORWARD REACH



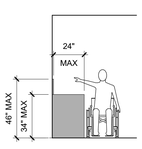
OBSTRUCTED
HIGH FORWARD REACH



UNOBSTRUCTED
SIDE REACH



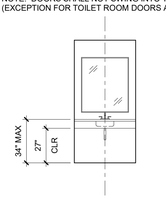
OBSTRUCTED
HIGH SIDE REACH



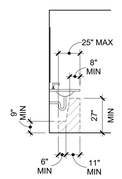
OBSTRUCTED
HIGH SIDE REACH

CLEARANCES AT PLUMBING FIXTURES

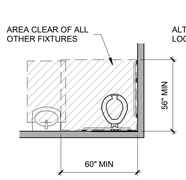
NOTE: DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE / CLEARANCE FOR ANY PLUMBING FIXTURES
(EXCEPTION FOR TOILET ROOM DOORS AT SINGLE OCCUPANT TOILET ROOM ACCESSED THROUGH A PRIVATE OFFICE)



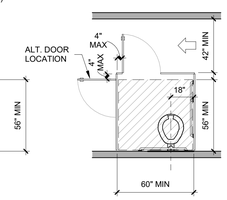
PUBLIC RESTROOM
LAVATORY ELEVATION



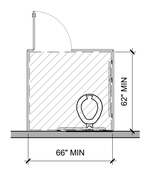
KNEE & TOE CLEARANCE
AT ACCESSIBLE LAVATORY



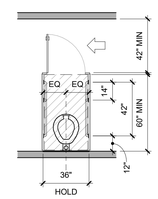
CLEAR FLOOR AREA
AT TOILET



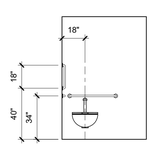
WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT



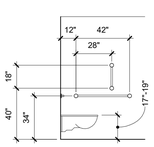
WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT
W/OUT TOE CLEARANCE



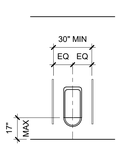
HOLD
AMBULATORY ACCESSIBLE
TOILET COMPARTMENT



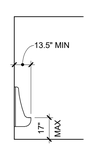
ACCESSIBLE
WATER CLOSET



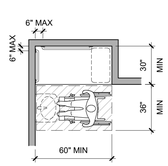
ACCESSIBLE
WATER CLOSET



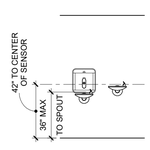
ACCESSIBLE
URINAL



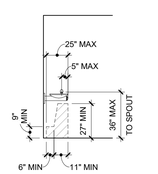
ACCESSIBLE
URINAL



SIZE AND CLEARANCE
AT STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT



ACCESSIBLE
DRINKING FOUNTAIN

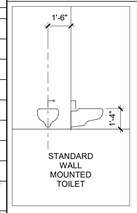


ACCESSIBLE
DRINKING FOUNTAIN

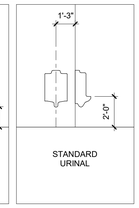
TOILET ACCESSORIES SCHEDULE

Mark	Description	Manufacturer	Model	Type Comments
TA-1c	TOILET TISSUE DISPENSER	AMERICAN SPECIALTIES	ASI/0031	SEMI RECESSED WALL MOUNT
TA-3a	LIQUID SOAP DISPENSER-AUTOMATIC	AMERICAN SPECIALTIES	ASI/0362	WALL MOUNTED
TA-4b	18" HORIZONTAL - 1 1/4" OD	AMERICAN SPECIALTIES	ASI/3401-18P	
TA-4e	36" HORIZONTAL- 1 1/4" OD	AMERICAN SPECIALTIES	ASI/3401-36P	
TA-4f	42" HORIZONTAL- 1 1/4" OD	AMERICAN SPECIALTIES	ASI/3401-42P	
TA-5f	SANITARY NAPKIN/TAMPON DISPENSER	AMERICAN SPECIALTIES	ASI/0473A	SURFACE MOUNT
TA-6a	TOILET SEAT COVER DISPENSER	AMERICAN SPECIALTIES	ASI/6477	SURFACE MOUNT
TA-8a	SINGLE MIRROR WITH FRAME	AMERICAN SPECIALTIES	ASI/0600	
TA-11a	BABY CHANGING STATION	KOALA KARE	KOALA KARE/KB110-SSRE	RECESSED WALL MOUNT
TA-11l	BABY CHANGING STATION	STERLING SURFACES	SS-BCH1531	DROP IN BABY CHANGING STATION
TA-15d	WASTE RECEPTACLE	AMERICAN SPECIALTIES	ASI/6474-2	SEMI RECESSED WALL MOUNT

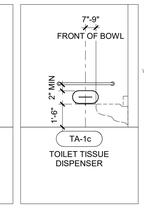
TYPICAL MOUNTING HEIGHTS



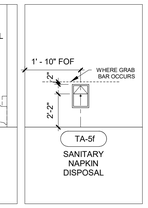
STANDARD
WALL
MOUNTED
TOILET



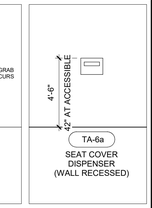
STANDARD
URINAL



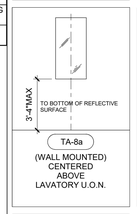
TA-1c
TOILET TISSUE
DISPENSER



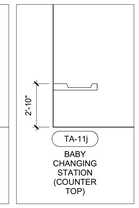
TA-5f
SANITARY
NAPKIN
DISPOSAL



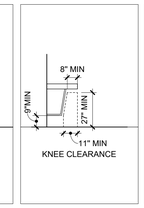
TA-6a
SEAT COVER
DISPENSER
(WALL RECESSED)



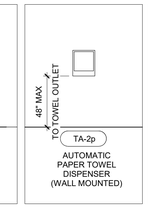
TA-8a
(WALL MOUNTED)
CENTERED
ABOVE
LAVATORY U.O.N.



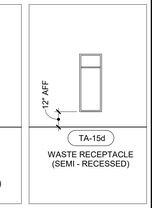
TA-11j
BABY
CHANGING
STATION
(COUNTER
TOP)



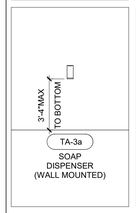
KNEE CLEARANCE



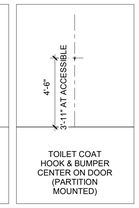
TA-2p
AUTOMATIC
PAPER TOWEL
DISPENSER
(WALL MOUNTED)



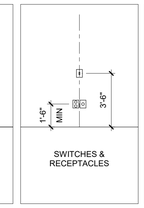
TA-15d
WASTE RECEPTACLE
(SEMI - RECESSED)



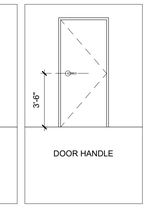
TA-3a
SOAP
DISPENSER
(WALL MOUNTED)



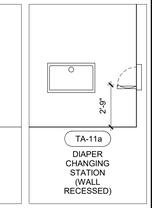
TOILET COAT
HOOK & BUMPER
CENTER ON DOOR
(PARTITION
MOUNTED)



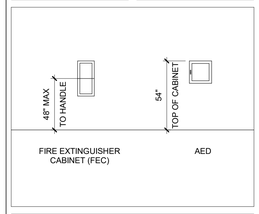
SWITCHES &
RECEPTACLES



DOOR HANDLE

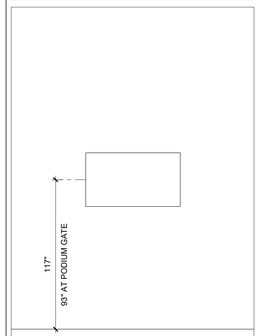


TA-11a
DIAPER
CHANGING
STATION
(WALL
RECESSED)



FIRE EXTINGUISHER
CABINET (FEC)

AED



MONITOR SCREEN AT
HOLDROOM

NOTES:
1. SEE SPECIFICATION SECTION 10 28 00 FOR MORE INFORMATION ON TOILET ACCESSORIES
2. REFER TO A4402 SERIES FOR LOCATIONS
3. MOUNTING HEIGHTS ARE BASED ON SPECIFIED PRODUCTS. MOUNTING HEIGHT RECALCULATIONS MAY BE REQUIRED IF DIFFERENT ACCESSORIES ARE INSTALLED.

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CONSULTANT

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
ACCESSIBILITY GUIDELINES, TYPICAL MOUNTING HEIGHTS, AND TA SCHEDULE

PROJECT #: 20250023

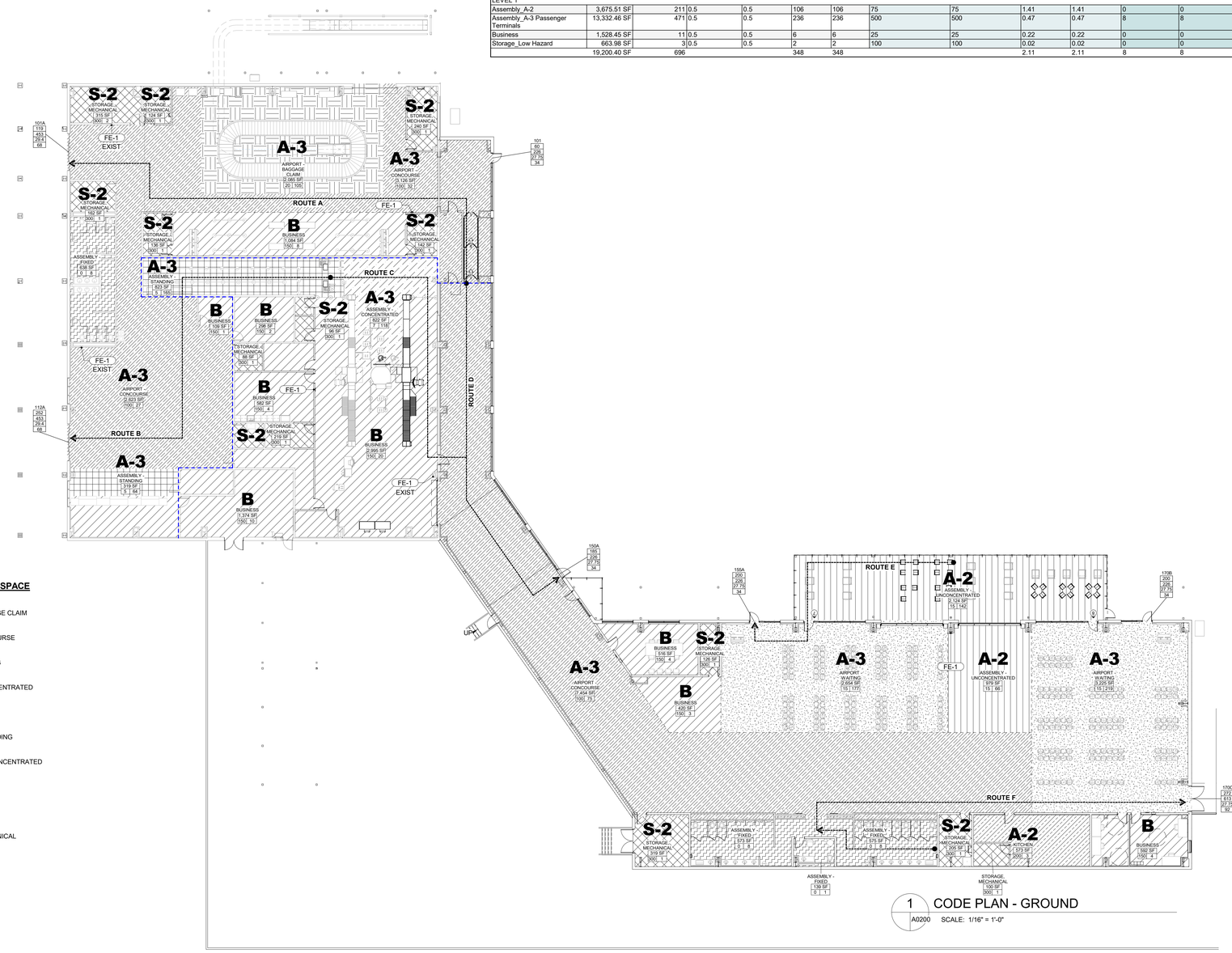
SHEET NUMBER
A0145

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CODE PLUMBING CALCULATION - NEW CONSTRUCTION

Use and Occupancy 2024 Classification_IBC Classification Groups	Area	Occ Load	Ratio Female 2024	Ratio Male 2024	Female	Male	Water Closet Female 2024 1 per	Water Closet Male 2024 1 per	Calculated WC Female	Calculated WC Male	Provided WC Female	Provided WC Male	PC_Lavatory Female 2024 1 per	PC_Lavatory Male 2024 1 per	Calculated Lavatory Female	Calculated Lavatory Male	Provided Lavatory Female	Provided Lavatory Male	PC_Drinking Fountain 2024 1 per	Calculated Drinking Fountain	Provided Drinking Fountain
LEVEL 1																					
Assembly_A-2	3,675.51 SF	211	0.5	0.5	106	106	75	75	1.41	1.41	0	0	200	200	0.53	0.53	0	0	500	0.42	0
Assembly_A-3 Passenger Terminals	13,332.46 SF	471	0.5	0.5	236	236	500	500	0.47	0.47	8	8	750	750	0.31	0.31	5	5	1000	0.47	2
Business	1,528.45 SF	11	0.5	0.5	6	6	25	25	0.22	0.22	0	0	40	40	0.14	0.14	0	0	100	0.11	0
Storage_Low Hazard	663.98 SF	3	0.5	0.5	2	2	100	100	0.02	0.02	0	0	100	100	0.02	0.02	0	0	1000	0.00	0
	19,200.40 SF	696			348	348			2.11	2.11	8	8			0.99	0.99	5	5		1.01	2



1 CODE PLAN - GROUND
A0200 SCALE: 1/16" = 1'-0"

IBC 2024 FUNCTION OF SPACE

- AIRPORT - BAGGAGE CLAIM
- AIRPORT - CONCOURSE
- AIRPORT - WAITING
- ASSEMBLY - CONCENTRATED
- ASSEMBLY - FIXED
- ASSEMBLY - STANDING
- ASSEMBLY - UNCONCENTRATED
- BUSINESS
- KITCHEN
- STORAGE, MECHANICAL

BUILDING CODE SUMMARY

PROJECT NUMBER / NAME 20250023: Gulf Shores International Airport

PROJECT DESCRIPTION New building addition and renovation

AUTHORITY HAVING JURISDICTION City of Gulf Shores
205 Clubhouse Dr Suite A
Gulf Shores, AL 36542

ADOPTED CODES / ORDINANCES 2024 International Building Code
2024 International Existing Building Code
2023 National Electric Code (NFPA 70)
2024 International Mechanical Code
2024 International Plumbing Code
2024 International Energy Conservation Code
2017 ICC A117.1 Accessible and Usable Buildings and Facilities
2022 ASME A17.1 Safety Code for Elevators and Escalators
Local Amendments

OCCUPANCY CLASSIFICATION: Nonseparated Occupancies - building size based on most restrictive (508.3)
Assembly, Group A-2 (303.3)
Assembly, Group A-3 (303.4)
Business, Group B (304.1)
Storage, Low-hazard, Group S-2 (311.3)

OCCUPANCY SEPARATION: No separation requirement (Table 508.4)

CONSTRUCTION TYPE: (Section 602) II-B
New addition to, and alteration of, existing building

SPRINKLER: Automatic sprinkler system provided throughout
Sprinkler installed per NFPA 13 (903.3.1.1)

BUILDING HEIGHT:
Allowable Height (Table 504.3): 75' above grade plane
Building Height: 35.58
Allowable Stories (Table 504.4): 3 stories above grade plane
Building Stories: 1

BUILDING AREA:
Sprinkler qualifier (Table 506.2): S1: Building one story max. above grade plane with automatic sprinkler system
Maximum Allowable Building Area 40375 sq ft per story
Actual Total Building Area 38796
Maximum Allowable Individual Story Area 40375 sq ft per story
Actual Maximum Individual Story Area 38796

FIRE RESISTANCE RATINGS: (Per Table 601 and Table 705.5)
Primary Structural Frame: 0-Hour fire-resistance rating
Exterior Bearing Walls: 0-Hour fire-resistance rating
Interior Bearing Walls: 0-Hour fire-resistance rating
Exterior Nonbearing Walls: 0-Hour fire-resistance rating
Interior Nonbearing Walls: 0-Hour fire-resistance rating
Floor Construction / Secondary Members: 0-Hour fire-resistance rating
Roof Construction / Secondary Members: 0-Hour fire-resistance rating

Fire Walls / Opening Protections No fire walls

Fire Barriers / Opening Protections No fire barriers
No fire barriers

Fire Partitions / Opening Protections No fire partitions

Smoke Barriers / Partitions No smoke barriers or partitions

Shaft Ratings No shaft enclosures

NUMBER OF EXITS: 2 per space greater than 49 occupant: Groups A, B, E, F, M, U (Table 1006.2.1)
3 per space with load 501 to 1,000; 4 per space over 1,000 (1006.2.1.1)

DEAD-END CORRIDORS: 20' Maximum (1020.5)

COMMON PATH OF TRAVEL: 75' for A, E, M, U, sprinklered R-1, and non-sprink B, S with OL >30 (Table 1006.2.1)

TRAVEL DISTANCE TO EXIT: 250' Maximum for A, E, F-1, I-1, M, R, S-1 with sprinkler (Table 1017.2)

CORRIDOR CONSTRUCTION: 0-hour fire rating in A, B, E, F, I-2, I-4, M, S, U occupancies with sprinkler (Table 1020.2)

MEANS OF EGRESS CAPACITY: 0.3" for stairways (1005.3.1) / 0.2" for doors / other (1005.3.2)

SMOKE-PROTECTED SEATING: Not Applicable

TRAVEL DISTANCE

ROUTE A	167'-0"
ROUTE B	136'-0"
ROUTE C	163'-6"
ROUTE D	117'-6"
ROUTE E	95'-6"
ROUTE F	172'-0"

CODE OCCUPANT LOAD AREA - TERMINAL

Occ Function	Area	Occ Load Factor	Occ Load
LEVEL 1			
AIRPORT - BAGGAGE CLAIM	2,084.73 SF	20	105
AIRPORT - CONCOURSE	5,749.32 SF	100	59
ASSEMBLY - CONCENTRATED	822.27 SF	7	118
ASSEMBLY - FIXED	637.62 SF	0	8
ASSEMBLY - STANDING	1,142.21 SF	5	229
BUSINESS	6,442.88 SF	150	45
STORAGE, MECHANICAL	1,608.25 SF	300	11
	18,487.28 SF		575

CODE OCCUPANT LOAD AREA - NEW

Occ Function	Area	Occ Load Factor	Occ Load
LEVEL 1			
AIRPORT - CONCOURSE	7,453.69 SF	100	75
AIRPORT - WAITING	5,878.77 SF	15	396
ASSEMBLY - FIXED	1,287.02 SF	0	17
ASSEMBLY - UNCONCENTRATED	3,102.55 SF	15	208
BUSINESS	1,528.45 SF	150	11
KITCHEN	572.95 SF	200	3
STORAGE, MECHANICAL	663.98 SF	300	3
	20,487.41 SF		713

STANDARD CODE SYMBOLS

OCCUPANCY CLASSIFICATION	?-#	LETTER INDICATES THE OCCUPANCY CLASSIFICATION GROUP NUMBER INDICATES THE OCCUPANCY CLASSIFICATION SUBGROUP
AREA TAG	Occ Function B 668 SF 100 668	OCCUPANCY FUNCTION OF SPACE AREA OCCUPANCY LOAD OCCUPANCY LOAD FACTOR
STAIR EGRESS TAG	Name 42 926 R 150 32	STAIR NAME DOOR WIDTH REQUIRED DOOR WIDTH PROVIDED STAIR WIDTH REQUIRED / PROVIDED
DOOR EXITING TAG	999A 000.0 17 36 R 36	DOOR NUMBER EGRESS LOAD EGRESS CAPACITY DOOR WIDTH REQUIRED DOOR WIDTH PROVIDED
EXITING LOAD	6	DIGIT INDICATES THE CUMULATIVE EXITING LOAD TO AN EXIT PORTAL. ARROW INDICATES DIRECTION OF EXIT
EXITING		EXITING TRAVEL PATH BUILDING DIAGONAL DISTANCE HORIZONTAL EXITING
BOUNDARIES		SIDA LINE

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY I OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

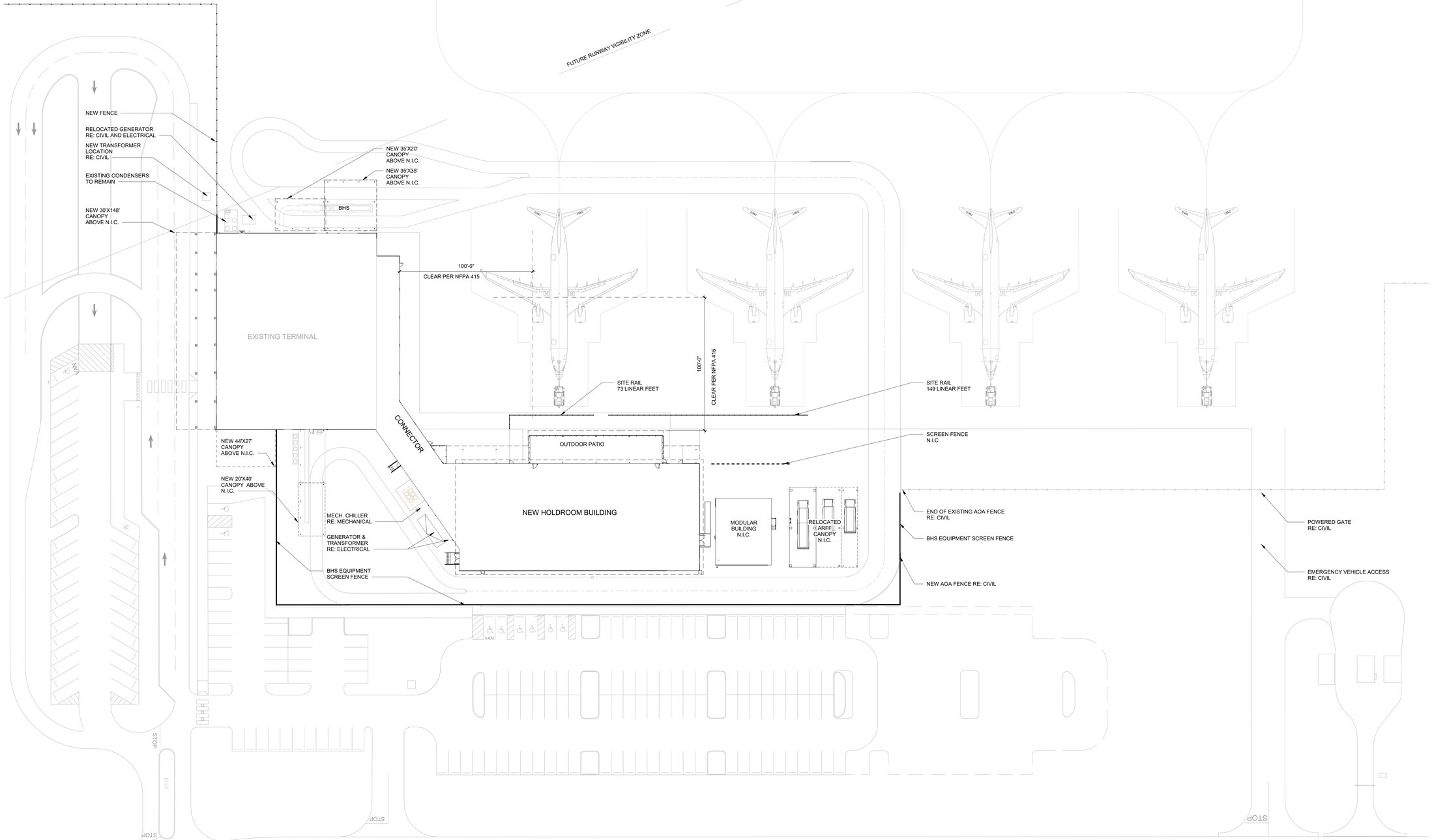
DRAWING TITLE
BUILDING CODE SUMMARY

PROJECT #: 20250023

SHEET NUMBER
A0200

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1 ARCHITECTURAL SITE PLAN
A1101 SCALE: 1" = 30'-0"

PLAN NORTH

TRUE NORTH

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COREY T OCHSNER
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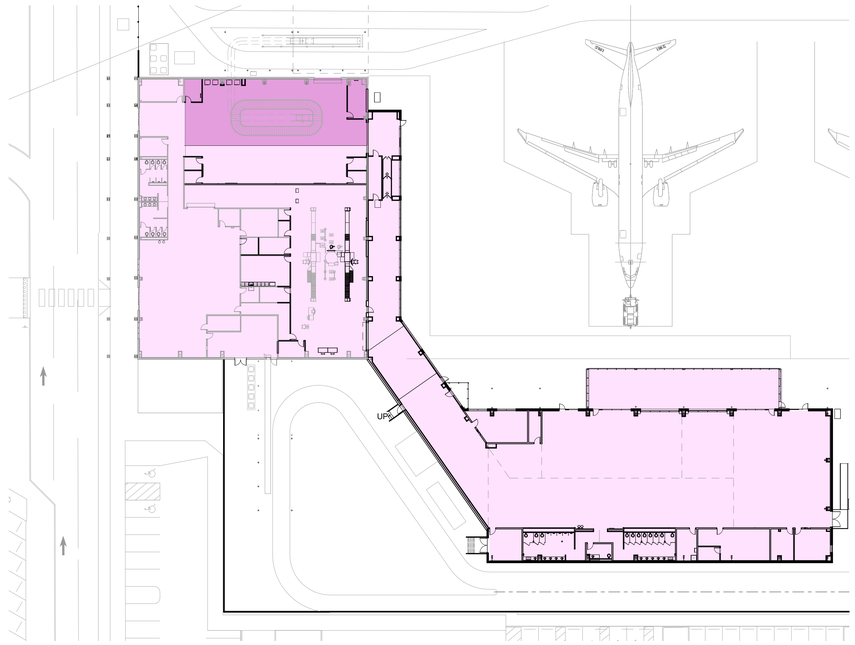
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SITE PLAN

PROJECT #: 20250023

SHEET NUMBER
A1101

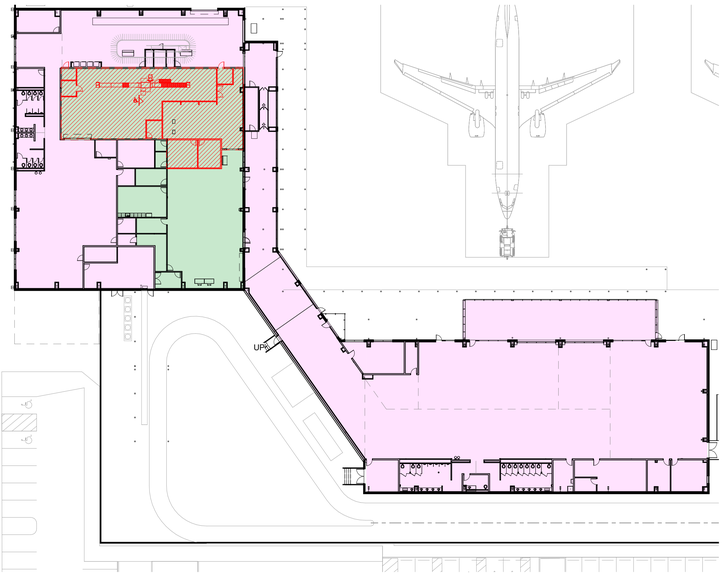
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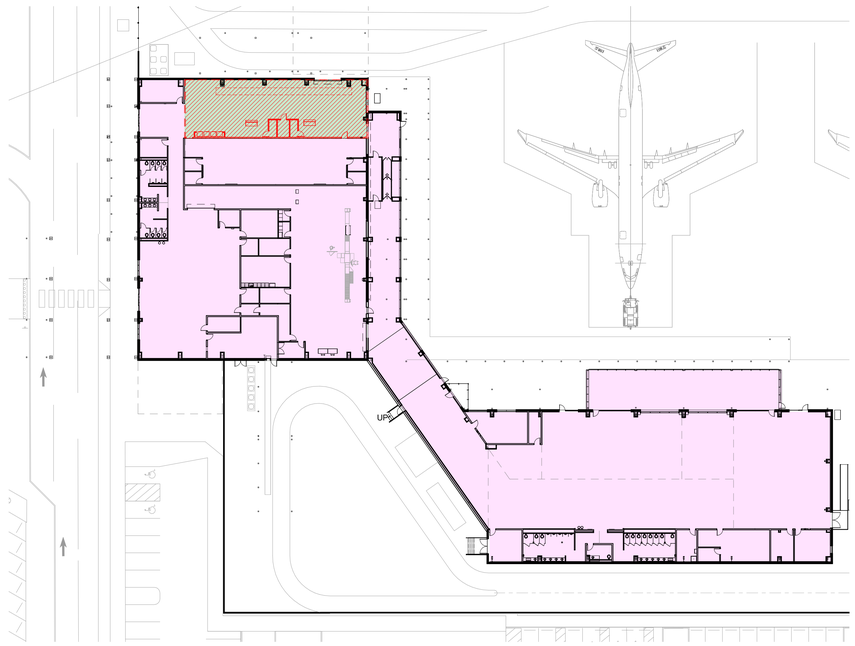
PHASE 4: NEW CONSTRUCTION OPENS.

4 PHASE 4
A1200 SCALE: 1/32" = 1'-0"



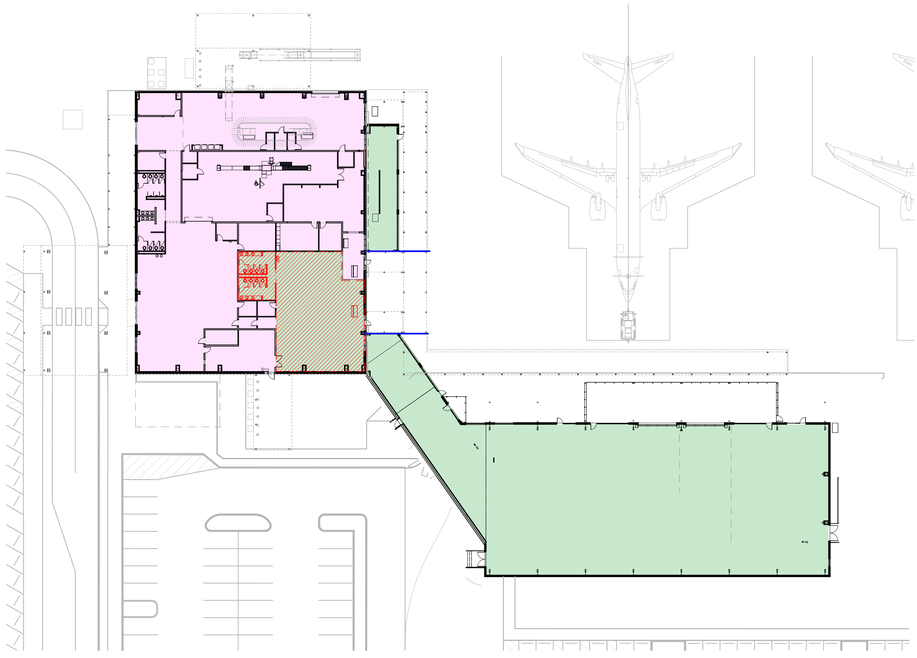
PHASE 2: CONSTRUCT THE CONNECTOR, REMOVE EXISTING HOLDROOM, BATHROOMS, TSA, AND EXISTING CANOPY.

2 PHASE 2
A1200 SCALE: 1/32" = 1'-0"



PHASE 3: COORDINATE DAILY BAG CLAIM OPERATIONS WITH NEW CONSTRUCTION TO PROVIDE BAG CLAIM OPERATIONS THROUGHOUT CONSTRUCTION. OFF-PEAK, NIGHT AND WEEKEND WORK MAY BE REQUIRED.

3 PHASE 3
A1200 SCALE: 1/32" = 1'-0"



PHASE 1: EXISTING TERMINAL TO REMAIN OPERATION DURING CONSTRUCTION OF THE NEW HOLDROOM BUILDING. MAINTAIN HOLDROOM EGRESS AND EXTERIOR WALKWAY CANOPIES. EXISTING HOLDROOM AND RESTROOMS TO BE RELOCATED PRIOR TO TSA MOVE.

1 PHASE 1
A1200 SCALE: 1/32" = 1'-0"

PHASING LEGEND

- DEMOLISH
- CONSTRUCTION AREA
- AREA OPERATIONAL DURING CONSTRUCTION
- FINAL AREA TO BE COMPLETE
- TEMPORARY ENCLOSURE OR PARTITION

PLAN NORTH

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1155 COMMERCE DR, GULF SHORES, AL 36542

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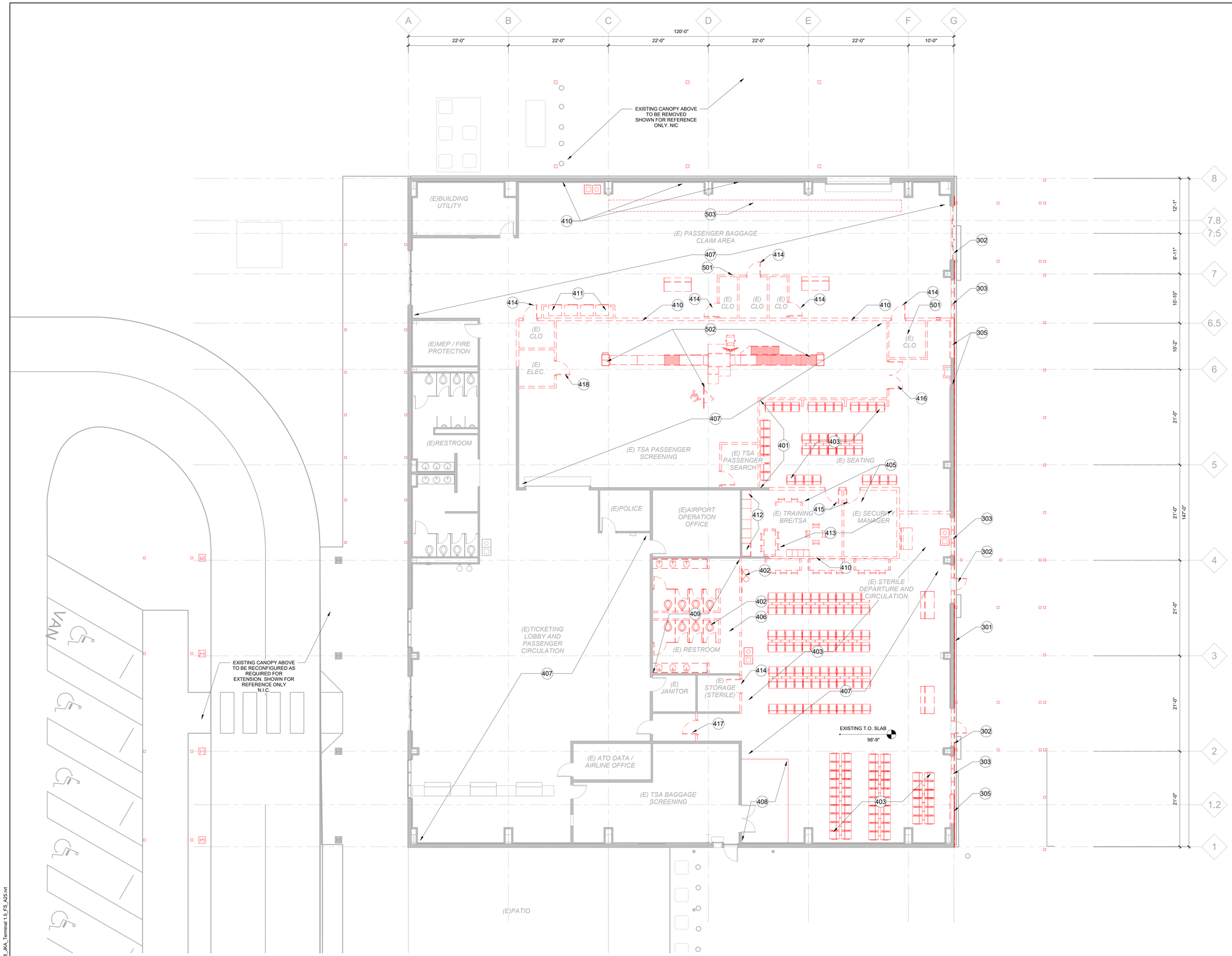
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CONSTRUCTION PHASING

PROJECT #: 20250023

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A1200

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1 DEMO FLOOR PLAN - TERMINAL
A1501 SCALE: 1/8" = 1'-0"

DEMO NOTES

1. REMOVE CEILINGS, FLOORING, DOORS AND FRAMES, DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK.
2. REMOVE ABANDONED HVAC EQUIPMENT, DUCTWORK, ELECTRICAL DEVICES AND CONDUIT, WIRING DEVICES, LIGHT FIXTURES, PLUMBING LINES, PIPING, RISERS, DUCTS AND GRILLES FROM ALL AREAS, EXCEPT WHERE OTHERWISE INDICATED ON THE DRAWINGS. CAP AND IDENTIFY EXPOSED UTILITIES. ARRANGE AND PAY FOR DISCONNECTING, REMOVING AND CAPPING UTILITY SERVICES WITHIN AREAS OF DEMOLITION. NOTIFY OWNER AND THE AFFECTED UTILITY COMPANY IN ADVANCE AND OBTAIN APPROVAL BEFORE STARTING THIS WORK.
3. PROVIDE TEMPORARY PARTITIONS TO SECURE WORK AREAS AND TO ALLOW CONTINUED BUILDING OCCUPANCY BY OWNER AND TENANTS.
4. WHERE NEW FINISHES ARE INDICATED ON THE DRAWINGS, REMOVE EXISTING WALL, BASE, AND FLOOR FINISHES AND PREPARE EXISTING SUBSTRATES TO RECEIVE NEW FINISHES.
5. REMOVE, SALVAGE, AND RELOCATE OR STORE ALL EXISTING FURNITURE AND ACCESSORIES IN AREAS OF WORK. COORDINATE WITH OWNER ON RELOCATION OR STORAGE LOCATIONS IF NOT INDICATED WITHIN DRAWINGS.
6. CONTRACTOR TO COORDINATE WITH PEMB ENGINEER ON REMOVAL OF EXISTING PEMB METAL LINER PANELS AS INDICATED. STRUCTURAL INTEGRITY OF BUILDING IS TO BE MAINTAINED FOR DURATION OF CONSTRUCTION AND AT CONSTRUCTION COMPLETION.

KEYED NOTES

NOTE #	TEXT
301	REMOVE EXISTING EXTERIOR LINER PANEL
302	REMOVE EXISTING EXTERIOR DOOR, FRAME, HARDWARE AND ASSOCIATED SIGNAGE
303	REMOVE EXISTING CURTAIN WALL ASSEMBLY
305	REMOVE EXISTING EXTERIOR ASSEMBLY AS REQUIRED FOR NEW OPENING
401	REMOVE EXISTING PARTITION
402	SALVAGE AND STORE EXISTING PLUMBING FIXTURES, LAVATORIES, AND TOILET ACCESSORIES FOR REINSTALLATION IN NEW RESTROOMS. OWNER/ARCHITECT TO APPROVE PRIOR TO INSTALLATION.
403	SALVAGE AND STORE EXISTING HOLDROOM FFE INCLUDING SEATING, TABLES, MILLWORK FOR REINSTALLATION IN NEW HOLDROOMS. COORDINATE LOCATION WITH OWNER.
405	REMOVE EXISTING ACOUSTIC PANEL CEILING ABOVE. SALVAGE AND STORE CEILING DEVICES FOR REINSTALLATION.
406	REMOVE EXISTING GYPSUM BOARD CEILING ABOVE. SALVAGE AND STORE CEILING DEVICES FOR REINSTALLATION.
407	REMOVE EXISTING CARPET
408	REMOVE EXISTING VINYL TILE
409	REMOVE EXISTING FLOOR AND WALL TILE, REMOVE FLOOR DRAIN RE: PLUMBING, RELEVEL FLOOR SLAB FOR NEW FINISH
410	SALVAGE AND STORE EXISTING ARTWORK, ADVERTISING, AND DISPLAYS FOR REINSTALLATION. COORDINATE NEW LOCATION WITH OWNER
411	REMOVED, SALVAGE, AND STORE EXISTING VENDING MACHINES FOR RELOCATION RE: FLOOR PLANS.
412	REMOVE, SALVAGE, AND STORE EXISTING CASEWORK, PLUMING FIXTURES, AND APPLIANCES FOR RELOCATION. RE: FLOOR PLANS. CONTRACTOR TO REPLACE ANY DAMAGED ITEMS TO MATCH EXISTING.
413	REMOVE, SALVAGE AND STORE EXISTING TSA SUPPORT SPACES FFE FOR REINSTALLATION. COORDINATE NEW LOCATION WITH OWNER.
414	REMOVE, CATALOGUE AND STORE ALL INTERIOR CLOSET AND STORAGE ROOM DOORS SHOWN TO BE REMOVED ON DEMO PLANS. DOORS WILL BE INSTALLED IN NEW STORAGE ROOM LOCATIONS ON FLOOR PLANS. RE: DOOR SCHEDULE
415	REMOVE, CATALOGUE AND STORE ALL INTERIOR TSA SSCP DOORS SHOWN TO BE REMOVED ON DEMO PLANS. DOORS WILL BE INSTALLED IN NEW TSA LOCATIONS ON FLOOR PLANS. RE: DOOR SCHEDULE
416	REMOVE INTERIOR DOUBLE DOOR AND ITS ASSOCIATED HARDWARE.
417	REMOVE, CATALOGUE AND STORE ALL INTERIOR CIRCULATION DOOR SHOWN TO BE REMOVED ON DEMO PLANS. DOORS WILL BE INSTALLED IN NEW CIRCULATION LOCATION ON FLOOR PLANS. RE: DOOR SCHEDULE
418	REMOVE, CATALOGUE AND STORE ALL INTERIOR ELECTRICAL ROOM DOOR SHOWN TO BE REMOVED ON DEMO PLANS. DOORS WILL BE INSTALLED IN NEW ELECTRICAL ROOM LOCATION ON FLOOR PLANS. RE: DOOR SCHEDULE
501	REMOVE EXISTING AHU PLATFORM ABOVE CLOSETS AND RELOCATE EQUIPMENT. RE: MECHANICAL.
502	EXISTING TSA EQUIPMENT TO BE RELOCATED
503	REMOVE AND SALVAGE EXISTING BHS EQUIPMENT. RETURN TO OWNER.

LEGEND

- EXISTING CONSTRUCTION TO BE REMOVED
- EXISTING TO REMAIN

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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NO	ISSUED FOR	DATE
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5/1/2026
REGISTERED ARCHITECT

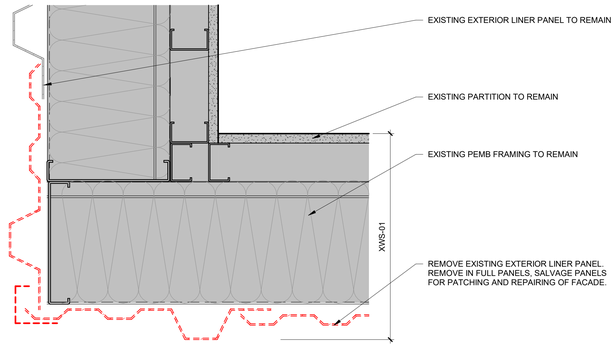
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DEMO FLOOR PLAN - TERMINAL

PROJECT #: 20250023

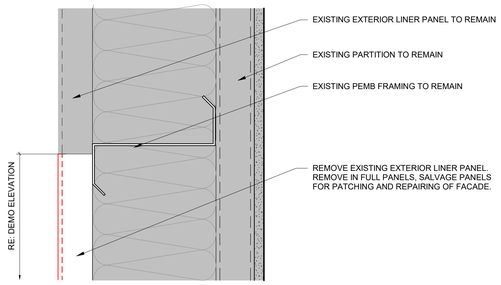
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A1501

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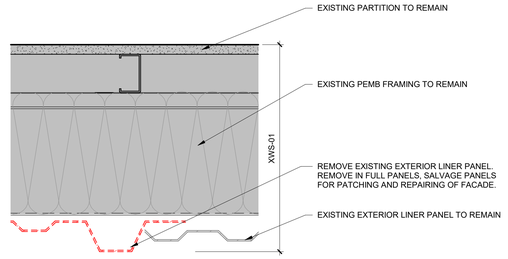
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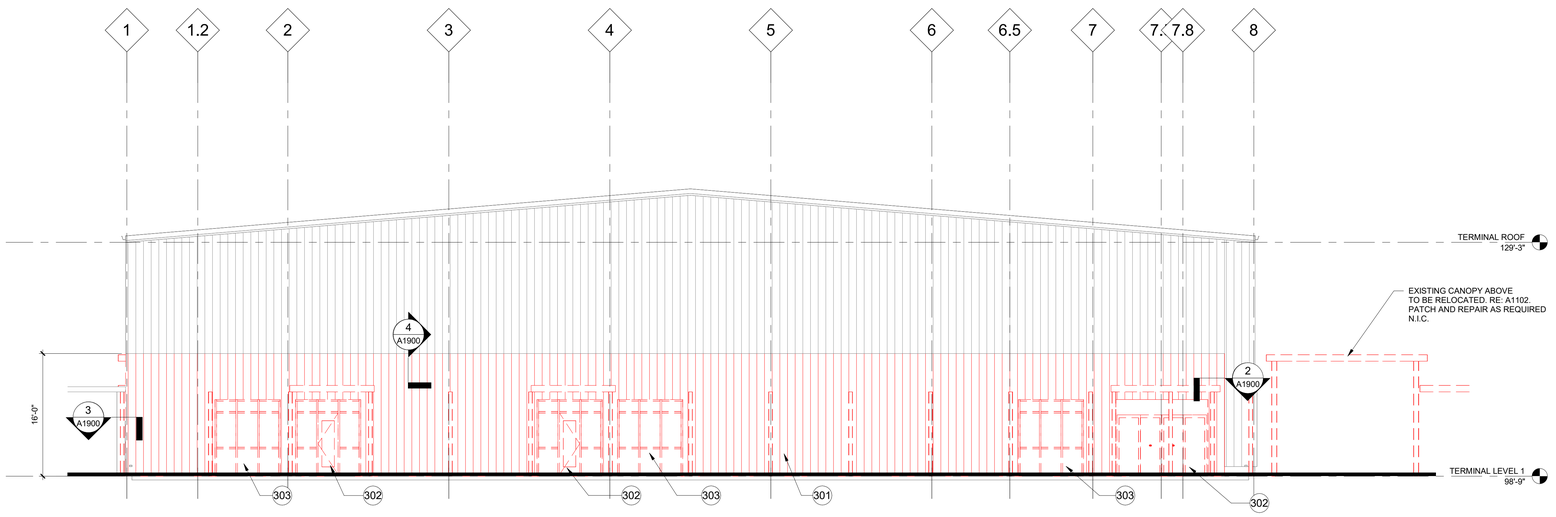
3 A1900 DEMO AT EXTERIOR CORNER
SCALE: 3" = 1'-0"



4 A1900 DEMO SECTION AT LINER PANEL
SCALE: 3" = 1'-0"



2 A1900 DEMO PLAN AT LINER PANEL
SCALE: 3" = 1'-0"



1 A1900 DEMOLITION ELEVATION
SCALE: 1/8" = 1'-0"

KEYED NOTES

NOTE #	TEXT
301	REMOVE EXISTING EXTERIOR LINER PANEL
302	REMOVE EXISTING EXTERIOR DOOR, FRAME, HARDWARE AND ASSOCIATED SIGNAGE
303	REMOVE EXISTING CURTAIN WALL ASSEMBLY

NOTE:

FOR ALL OTHER DISCIPLINE DEMOLITION, REFERENCE RESPECTIVE DISCIPLINE DEMOLITION SHEETS.

FOR PHASING SEQUENCING, REFERENCE SHEETS A1200

LEGEND

EXISTING CONSTRUCTION TO BE REMOVED

EXISTING TO REMAIN

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
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DRAWING TITLE
DEMO EXTERIOR ELEVATIONS

PROJECT #: 20250023

SHEET NUMBER
A1900

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SHEET NOTES

1. REFER TO SHEET SERIES A010X'S FOR SYSTEM TYPES, PARTITION TYPES, DOOR SCHEDULES, LOUVER SCHEDULES, COLORS, FINISHES, AND ACCESSORIES SCHEDULES.
2. WHEN NEW WALLS ARE SHOWN ADJACENT TO EXISTING WALLS TO REMAIN, ALIGN AS SHOWN AND NEW CONSTRUCTION TO MATCH EXISTING, UNO.
3. ALL EXISTING PARTITIONS IMPACTED BY CONSTRUCTION TO BE PATCHED AND RESTORED TO ORIGINAL CONDITION.
4. FLOOR SPOT ELEVATIONS ARE TO T.O. CONCRETE SLAB UNO.
5. CONTRACTOR SHALL MAINTAIN ADA-COMPLIANT FLOOR FINISHES AND FINISH TRANSITIONS IN PUBLIC AND OCCUPIED SPACES.
6. PROVIDE FULLY LAMINATED SAFETY GLASS WHERE REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND/OR LAWS.
7. CONCRETE SLAB CONTROL JOINTS AND EXPANSION JOINTS SHALL BE CLOSELY COORDINATED WITH TILE AND PAVING PATTERN AND SHALL OCCUR UNDER TILE JOINTS WHERE POSSIBLE. PROVIDE CRACK ISOLATION MEMBRANE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHERE CONTROL JOINTS AND TILE JOINTS DO NOT ALIGN AND PROVIDE SOFT JOINT IN TILE ABOVE.
8. OVERALL CURTAINWALL DIMENSION IDENTIFIES THE ROUGH OPENING U.O.N.

LEGEND

EXISTING WALLS TO REMAIN

NEW FRAMED WALLS

1 OVERALL FLOOR PLAN
A2001 SCALE: 1/16" = 1'-0"

PLAN NORTH

TRUE NORTH

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY T. OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

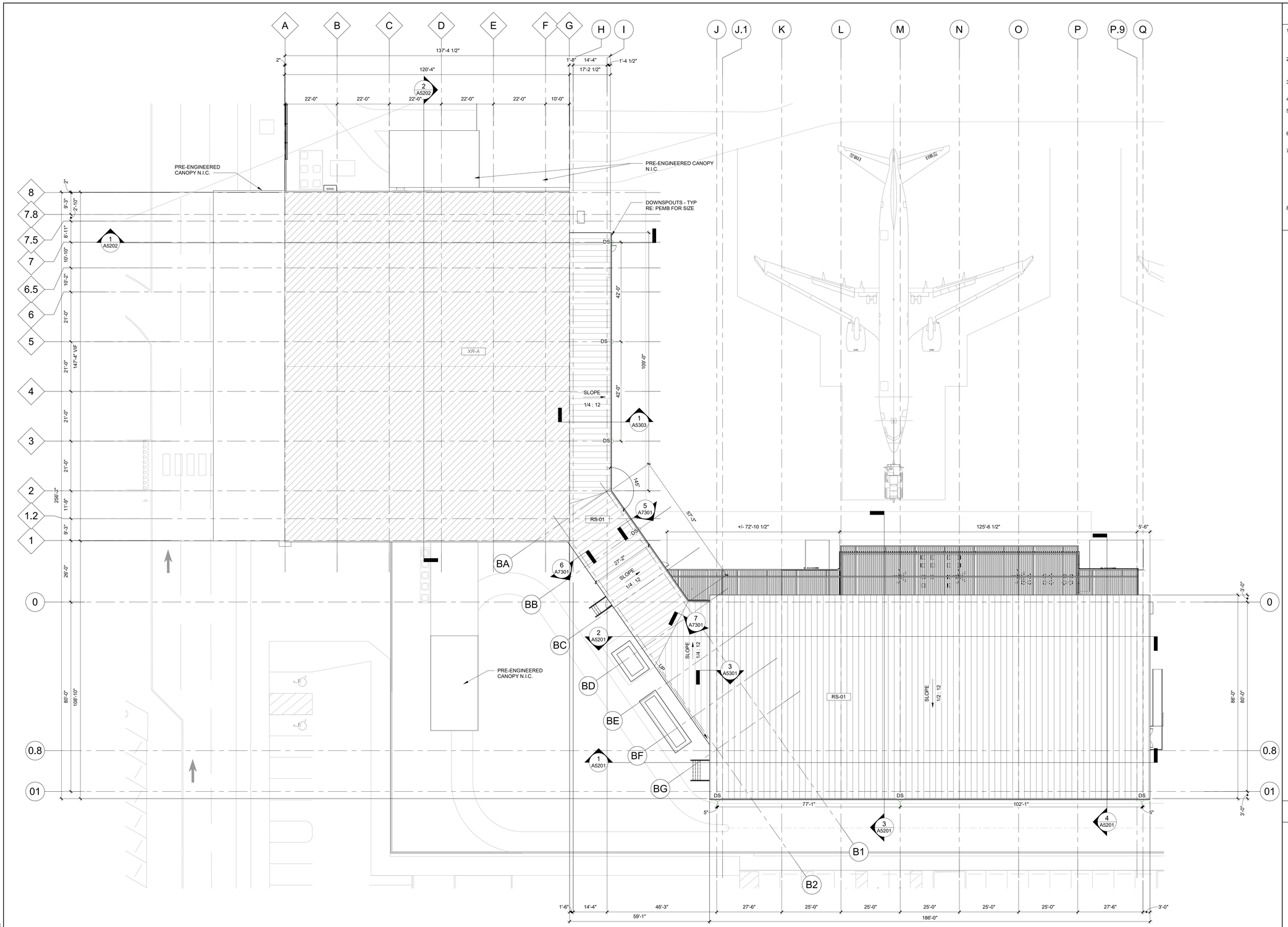
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OVERALL FLOOR PLAN

PROJECT #: 20250023

SHEET NUMBER
A2001

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1 ROOF PLAN
A2005 SCALE: 1/16" = 1'-0"

SHEET NOTES

1. REFER TO SHEET SERIES A010X'S FOR SYSTEM TYPES, PARTITION TYPES, DOOR SCHEDULES, LOUVER SCHEDULES, COLORS, FINISHES, AND ACCESSORIES SCHEDULES.
2. WHEN NEW WALLS ARE SHOWN ADJACENT TO EXISTING WALLS TO REMAIN, ALIGN AS SHOWN AND NEW CONSTRUCTION TO MATCH EXISTING, UNO.
3. ALL EXISTING PARTITIONS IMPACTED BY CONSTRUCTION TO BE PATCHED AND RESTORED TO ORIGINAL CONDITION.
4. FLOOR SPOT ELEVATIONS ARE TO T.O. CONCRETE SLAB UNO.
5. CONTRACTOR SHALL MAINTAIN ADA-COMPLIANT FLOOR FINISHES AND FINISH TRANSITIONS IN PUBLIC AND OCCUPIED SPACES.
6. PROVIDE FULLY LAMINATED SAFETY GLASS WHERE REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND/OR LAWS.
7. CONCRETE SLAB CONTROL JOINTS AND EXPANSION JOINTS SHALL BE CLOSELY COORDINATED WITH TILE AND PAVING PATTERN AND SHALL OCCUR UNDER TILE JOINTS WHERE POSSIBLE. PROVIDE CRACK ISOLATION MEMBRANE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHERE CONTROL JOINTS AND TILE JOINTS DO NOT ALIGN AND PROVIDE SOFT JOINT IN TILE ABOVE.
8. OVERALL CURTAINWALL DIMENSION IDENTIFIES THE ROUGH OPENING U.O.N.

ROOF LEGEND

- XR-A
- RS-01
- NEW BAFFLED CANOPY

PLAN NORTH

TRUE NORTH

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

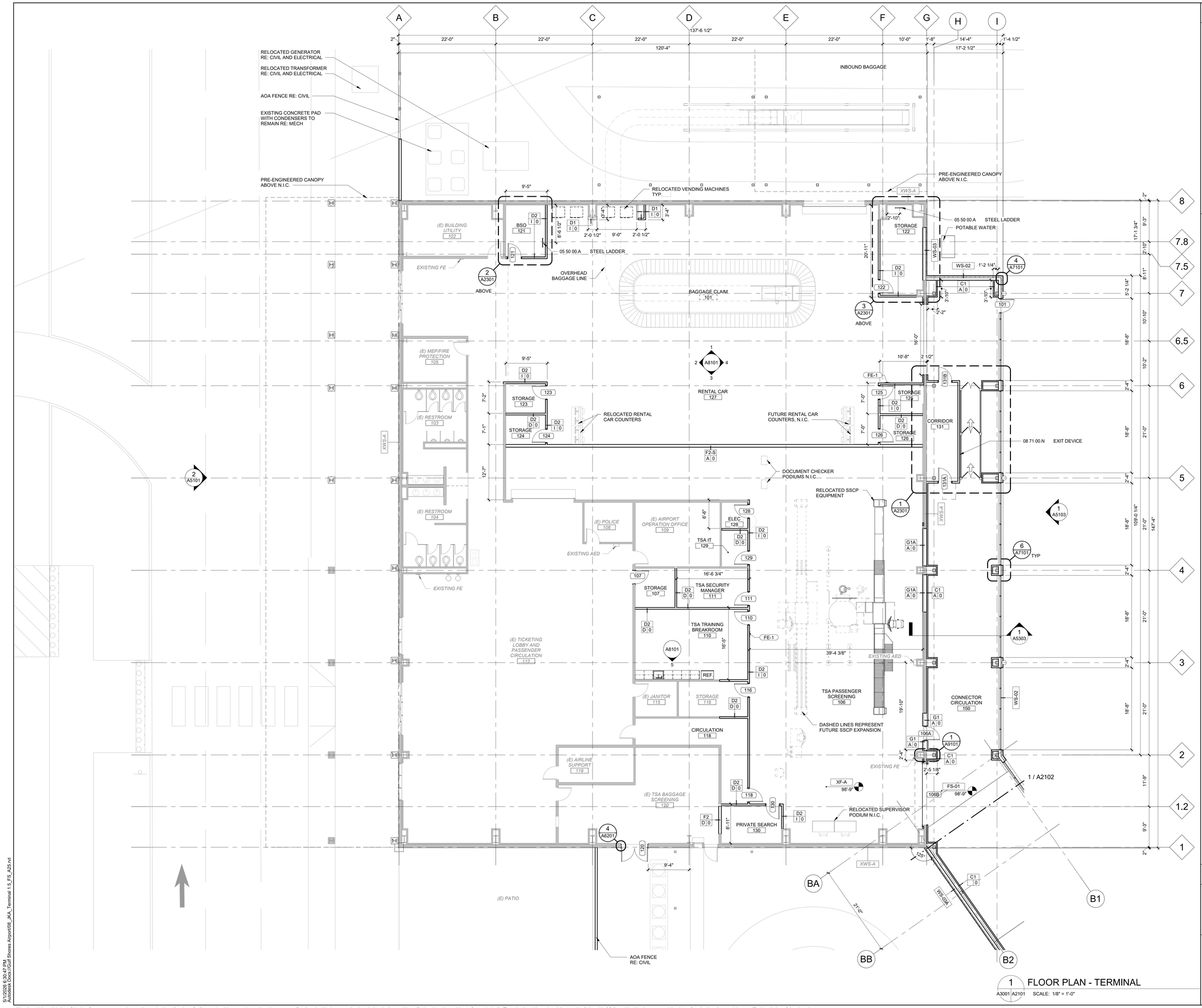
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OVERALL ROOF PLAN

PROJECT #: 20250023

SHEET NUMBER
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1 FLOOR PLAN - TERMINAL
A3001 A2101 SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO SHEET SERIES A010X'S FOR SYSTEM TYPES, PARTITION TYPES, DOOR SCHEDULES, LOUVER SCHEDULES, COLORS, FINISHES, AND ACCESSORIES SCHEDULES.
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4. FLOOR SPOT ELEVATIONS ARE TO T.O. CONCRETE SLAB UNO.
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8. OVERALL CURTAINWALL DIMENSION IDENTIFIES THE ROUGH OPENING U.O.N.

LEGEND

- EXISTING WALLS TO REMAIN
- NEW FRAMED WALLS

PLAN NORTH

TRUE NORTH

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
FLOOR PLAN - TERMINAL

PROJECT #: 20250023

SHEET NUMBER
A2101

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LEGEND

EXISTING WALLS TO REMAIN

NEW FRAMED WALLS

PLAN NORTH

TRUE NORTH

1 A3001 A2102 FLOOR PLAN - HOLDROOM

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

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1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY T OCUSSER
8819
5/1/2026
REGISTERED ARCHITECT

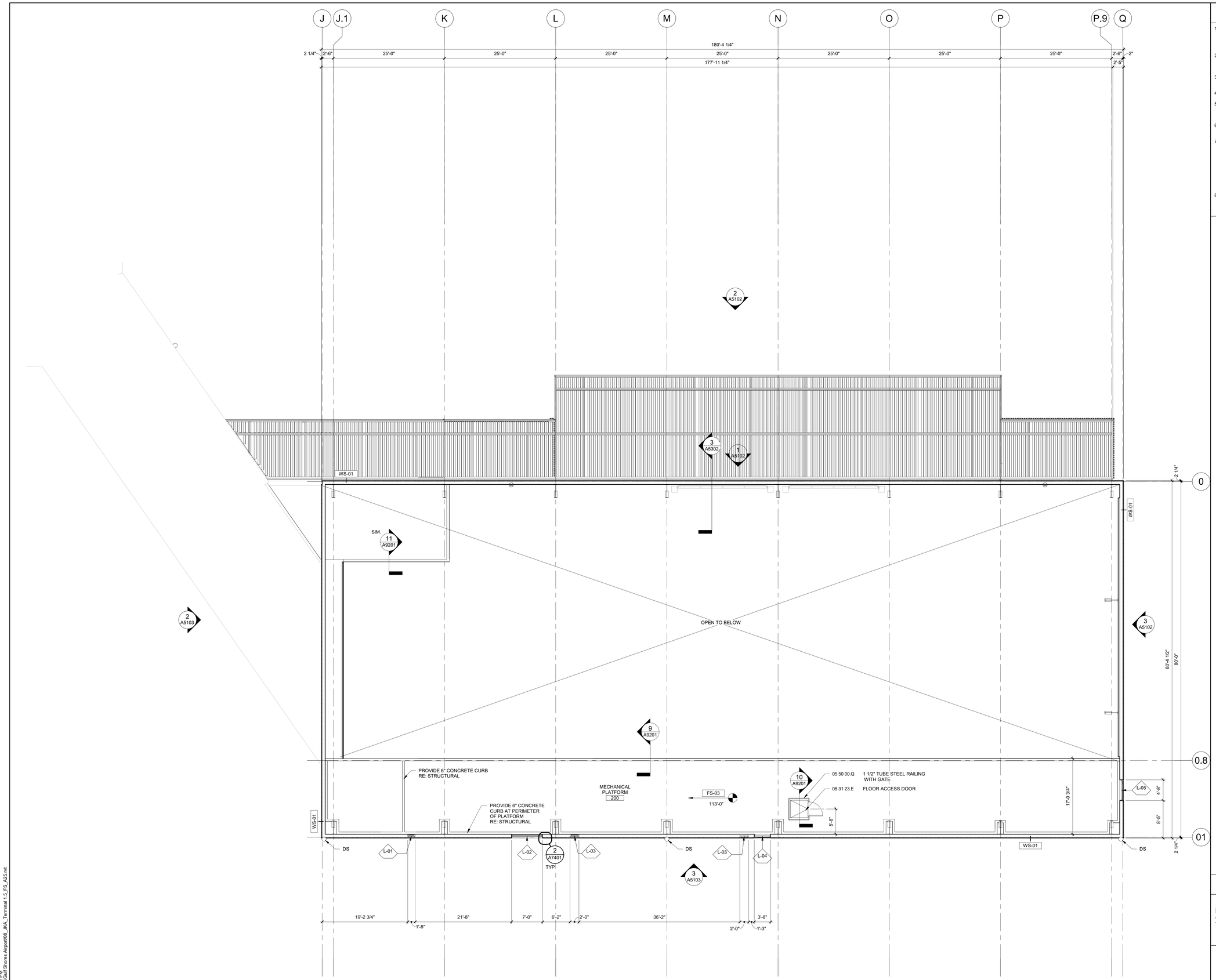
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FLOOR PLAN - HOLDROOM

PROJECT #: 20250023

SHEET NUMBER
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1 FLOOR PLAN - MECHANICAL PLATFORM
A2202 SCALE: 1/8" = 1'-0"

SHEET NOTES

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8. OVERALL CURTAINWALL DIMENSION IDENTIFIES THE ROUGH OPENING U.O.N.

LEGEND

EXISTING WALLS TO REMAIN

NEW FRAMED WALLS

PLAN NORTH

TRUE NORTH

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1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY T OCUSSER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
FLOOR PLAN - MECHANICAL PLATFORM

PROJECT #: 20250023

SHEET NUMBER
A2202

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3 MECHANICAL PLATFORM OVER STORAGE 122
A2101 A2301 SCALE: 1/4" = 1'-0"

2 MECHANICAL PLATFORM OVER BSO 121
A2101 A2301 SCALE: 1/4" = 1'-0"

1 ENLARGED PLAN EXIT LANE
A2101 A2301 SCALE: 1/4" = 1'-0"

LEGEND

EXISTING WALLS TO REMAIN
NEW FRAMED WALLS

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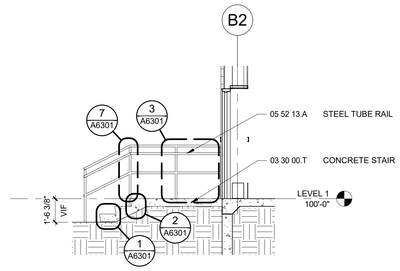
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PROJECT #: 20250023

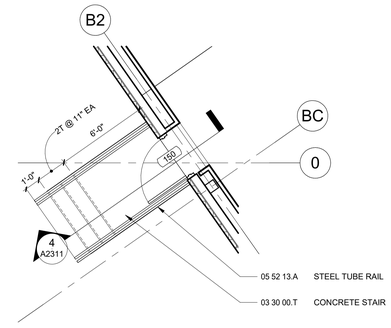
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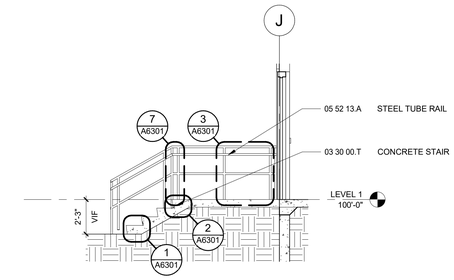
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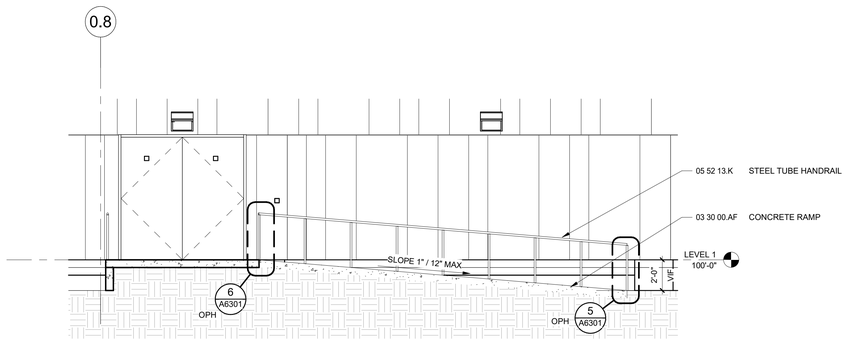
4 STAIR SECTION
A2311 A2311 SCALE: 1/4" = 1'-0"



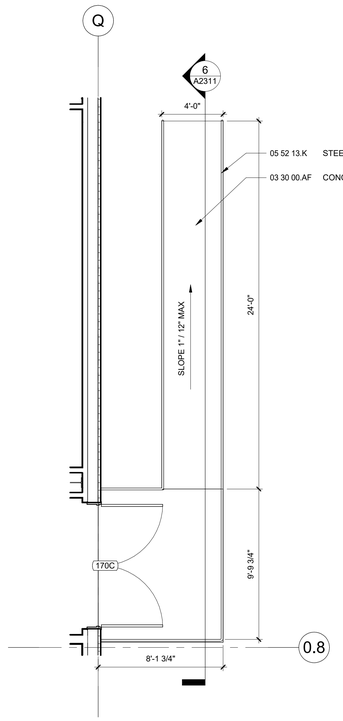
3 ENLARGED STAIR PLAN
A2102 A2311 SCALE: 1/4" = 1'-0"



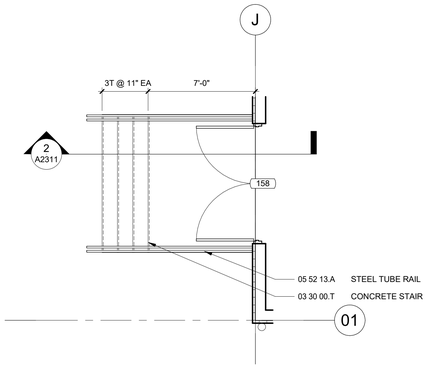
2 STAIR SECTION
A2311 A2311 SCALE: 1/4" = 1'-0"



6 EXTERIOR RAMP SECTION
A2311 A2311 SCALE: 1/4" = 1'-0"



5 EXTERIOR RAMP FLOOR PLAN
A2102 A2311 SCALE: 1/4" = 1'-0"



1 ENLARGED STAIR PLAN
A2102 A2311 SCALE: 1/4" = 1'-0"

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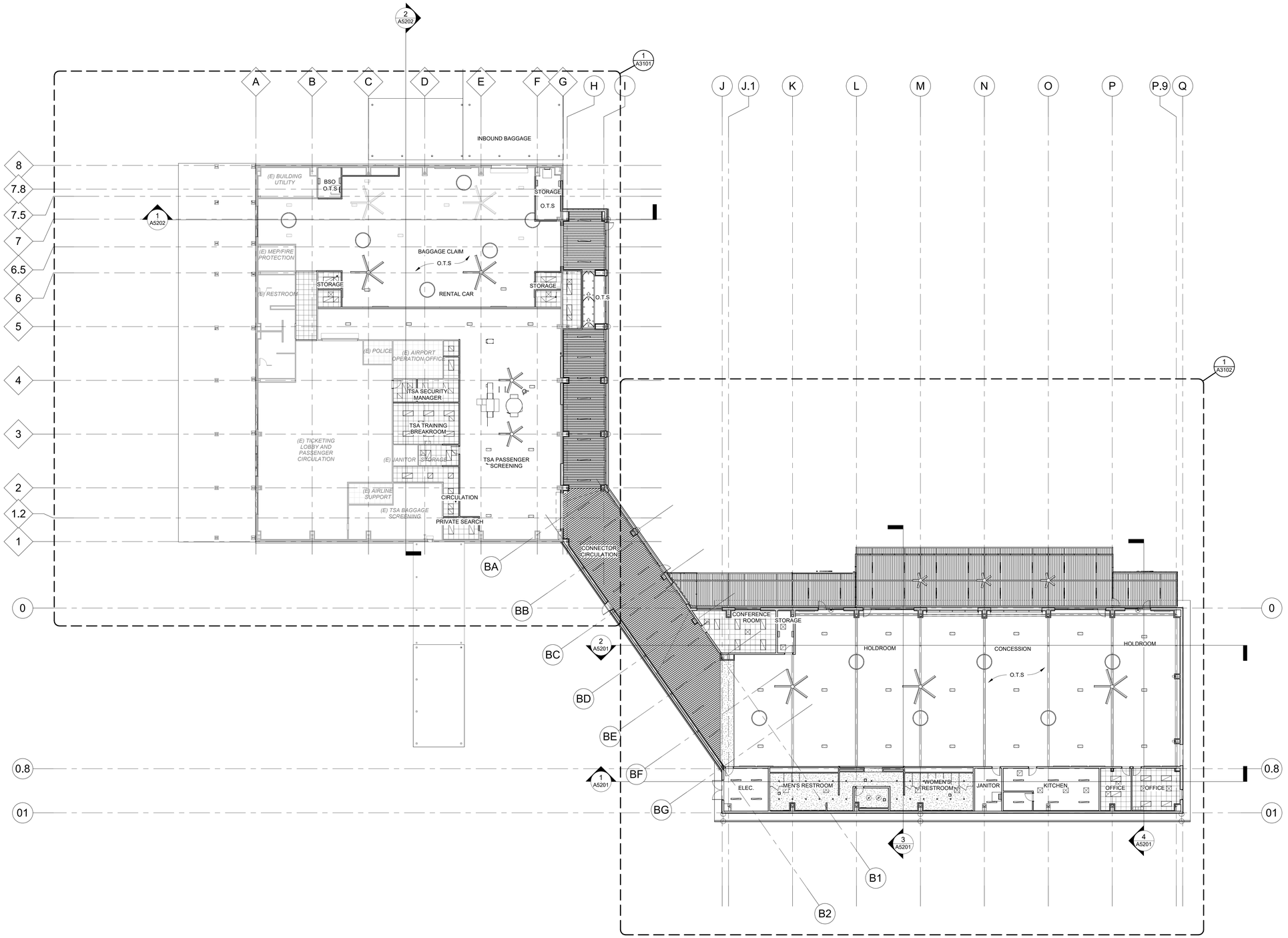
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ENLARGED STAIR AND RAMP PLANS AND SECTIONS

PROJECT #: 20250023

SHEET NUMBER
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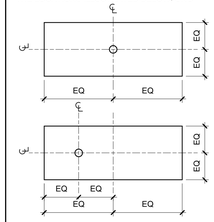
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1 REFLECTED CEILING PLAN
A3001 SCALE: 1/16" = 1'-0"

DEVICE LOCATION

ALL CEILING DEVICES, EXCLUDING LIGHTING, SHALL BE LOCATED IN CEILING TILES IN ONE OF THE LOCATIONS ILLUSTRATED BELOW, UNO



RCP NOTES

1. EXCEPT AS NOTED OTHERWISE, ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH THE LOCATIONS OF ALL VISIBLE CEILING DEVICES INCLUDING, BUT NOT LIMITED TO, LIGHTS, DIFFUSERS, SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, ETC. NOTIFY THE ARCHITECT OF ANY DIFFERENCE BETWEEN ARCHITECTURAL REFLECTED CEILING PLANS AND MECHANICAL, ELECTRICAL OR SPECIAL SYSTEMS PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
2. LOCATE LIGHT FIXTURES, DIFFUSERS, SMOKE DETECTORS AND OTHER CEILING MOUNTED DEVICES IN THE CENTER OF CEILING TILES AS SHOWN. OPTION WHERE 2' X 4' CEILING TILE IS SCORED TO LOOK LIKE 2' X 2' TILE, DEVICES ARE TO BE CENTERED IN THE APPARENT 2' X 2' TILE.
3. WHERE SPRINKLER HEADS ARE SHOWN, THEY REPRESENT THE MINIMUM NUMBER TO BE PROVIDED AND THE ARCHITECT'S PREFERRED LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE SPRINKLERS IN COMPLIANCE WITH ALL APPLICABLE CODES. IF ADDITIONAL HEADS ARE REQUIRED TO MEET CODE THEY SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
4. REFER TO SPECIFICATION SECTION 01 3150 – PROJECT COORDINATION FOR REQUIREMENTS REGARDING THE PREPARATION OF CEILING PLENUM COORDINATION DRAWINGS AND INTERFERENCE DRAWINGS.
5. CENTER CEILING GRID IN ROOM UNLESS OTHERWISE NOTED.
6. ALL CEILINGS HEIGHTS TO BE **10'** A.F.F. UNLESS OTHERWISE NOTED
7. ALL LIGHT FIXTURES IN THE HOLDROOM TO BE **19' 6"** A.F.F. UNLESS OTHERWISE NOTED
8. ALL EXPOSED STRUCTURE, UNDERSIDE OF ROOF, EXPOSED DUCT WORK, AND CONDUITS TO BE PAINTED TO MATCH EXISTING TERMINAL BUILDING EXPOSED STRUCTURAL ELEMENTS.

RCP SYMBOLS

- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SUSPENDED LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- RECESSED DOWNLIGHT
- LINEAR DIFFUSER
- COVE LIGHT FIXTURE
- NOZZLE DIFFUSER
- SQUARE SUPPLY DIFFUSER
- SQUARE EXHAUST DIFFUSER
- SQUARE RETURN DIFFUSER
- SPEAKER
- FIRE ALARM STROBE
- SPRINKLER HEAD
- EXTERIOR DOWNLIGHT
- PENDANT LIGHT
- FAN

RCP LEGEND

AC-1 P-2 LB-1

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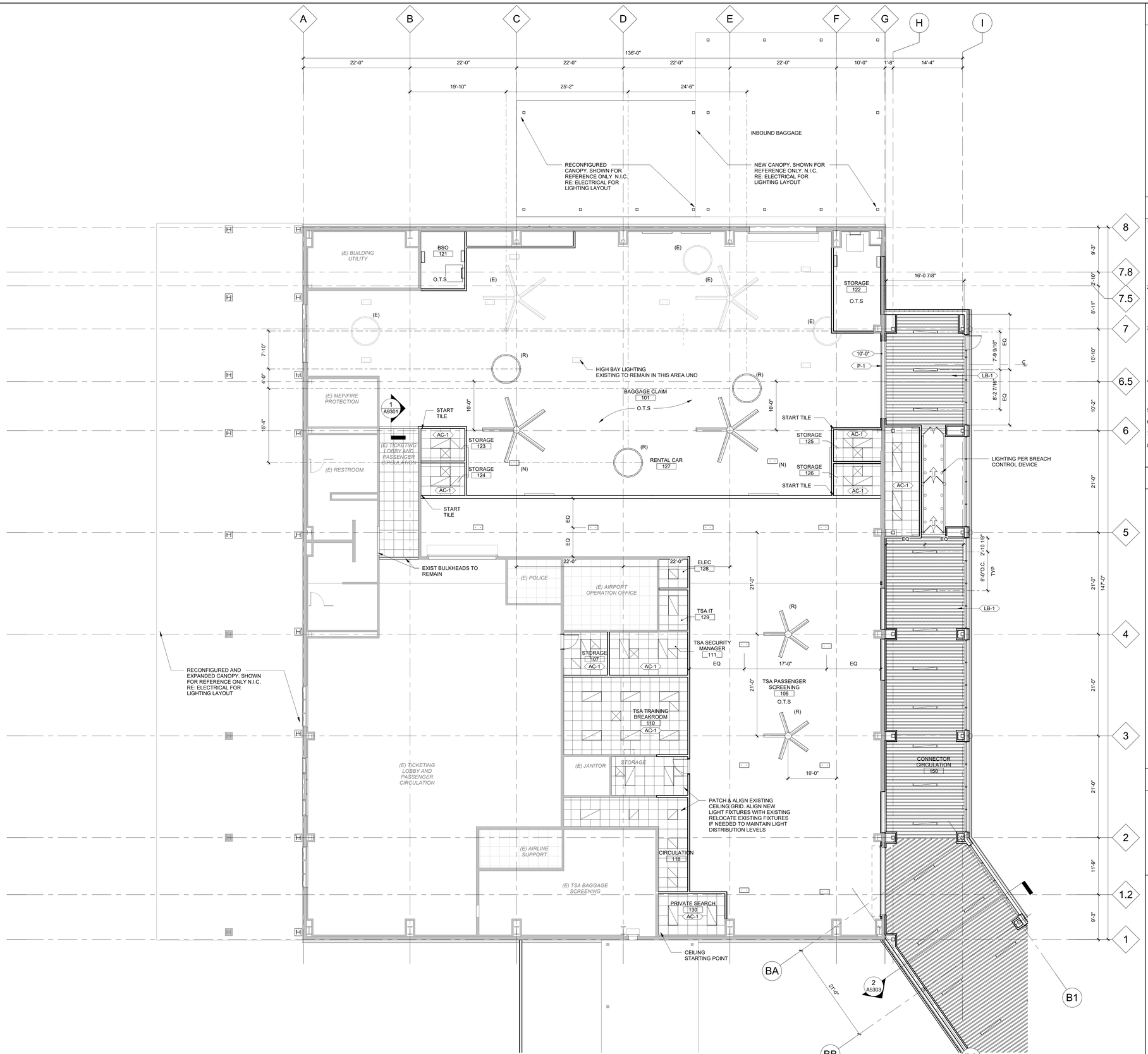
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REFLECTED CEILING PLAN

PROJECT #: 20250023

SHEET NUMBER
A3001

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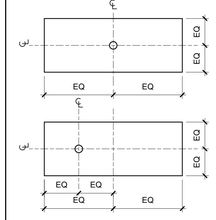
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1 A3101 REFLECTED CEILING PLAN - TERMINAL
SCALE: 1/8" = 1'-0"

DEVICE LOCATION

ALL CEILING DEVICES, EXCLUDING LIGHTING, SHALL BE LOCATED IN CEILING TILES IN ONE OF THE LOCATIONS ILLUSTRATED BELOW, UNO



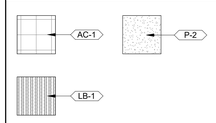
RCP NOTES

1. EXCEPT AS NOTED OTHERWISE, ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH THE LOCATIONS OF ALL VISIBLE CEILING DEVICES INCLUDING, BUT NOT LIMITED TO, LIGHTS, DIFFUSERS, SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, ETC. NOTIFY THE ARCHITECT OF ANY DIFFERENCE BETWEEN ARCHITECTURAL REFLECTED CEILING PLANS AND MECHANICAL, ELECTRICAL OR SPECIAL SYSTEMS PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
2. LOCATE LIGHT FIXTURES, DIFFUSERS, SMOKE DETECTORS AND OTHER CEILING MOUNTED DEVICES IN THE CENTER OF CEILING TILES AS SHOWN. OPTION WHERE 2'-X-4' CEILING TILE IS SCORED TO LOOK LIKE 2'-X-2' TILE, DEVICES ARE TO BE CENTERED IN THE APPARENT 2'-X-2' TILE.
3. WHERE SPRINKLER HEADS ARE SHOWN, THEY REPRESENT THE MINIMUM NUMBER TO BE PROVIDED AND THE ARCHITECT'S PREFERRED LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE SPRINKLERS IN COMPLIANCE WITH ALL APPLICABLE CODES. IF ADDITIONAL HEADS ARE REQUIRED TO MEET CODE THEY SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
4. REFER TO SPECIFICATION SECTION 01 3150 – PROJECT COORDINATION FOR REQUIREMENTS REGARDING THE PREPARATION OF CEILING PLENUM COORDINATION DRAWINGS AND INTERFERENCE DRAWINGS.
5. CENTER CEILING GRID IN ROOM UNLESS OTHERWISE NOTED.
6. ALL CEILINGS HEIGHTS TO BE **10'** A.F.F. UNLESS OTHERWISE NOTED
7. ALL LIGHT FIXTURES IN THE HOLDROOM TO BE **19' 6"** A.F.F. UNLESS OTHERWISE NOTED
8. ALL EXPOSED STRUCTURE, UNDERSIDE OF ROOF, EXPOSED DUCT WORK, AND CONDUITS TO BE PAINTED TO MATCH EXISTING TERMINAL BUILDING EXPOSED STRUCTURAL ELEMENTS.

RCP SYMBOLS

- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SUSPENDED LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- RECESSED DOWNLIGHT
- LINEAR DIFFUSER
- COVE LIGHT FIXTURE
- NOZZLE DIFFUSER
- SQUARE SUPPLY DIFFUSER
- SQUARE EXHAUST DIFFUSER
- SQUARE RETURN DIFFUSER
- SPEAKER
- FIRE ALARM STROBE
- SPRINKLER HEAD
- EXTERIOR DOWNLIGHT
- PENDANT LIGHT
- FAN

RCP LEGEND



PLAN NORTH

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

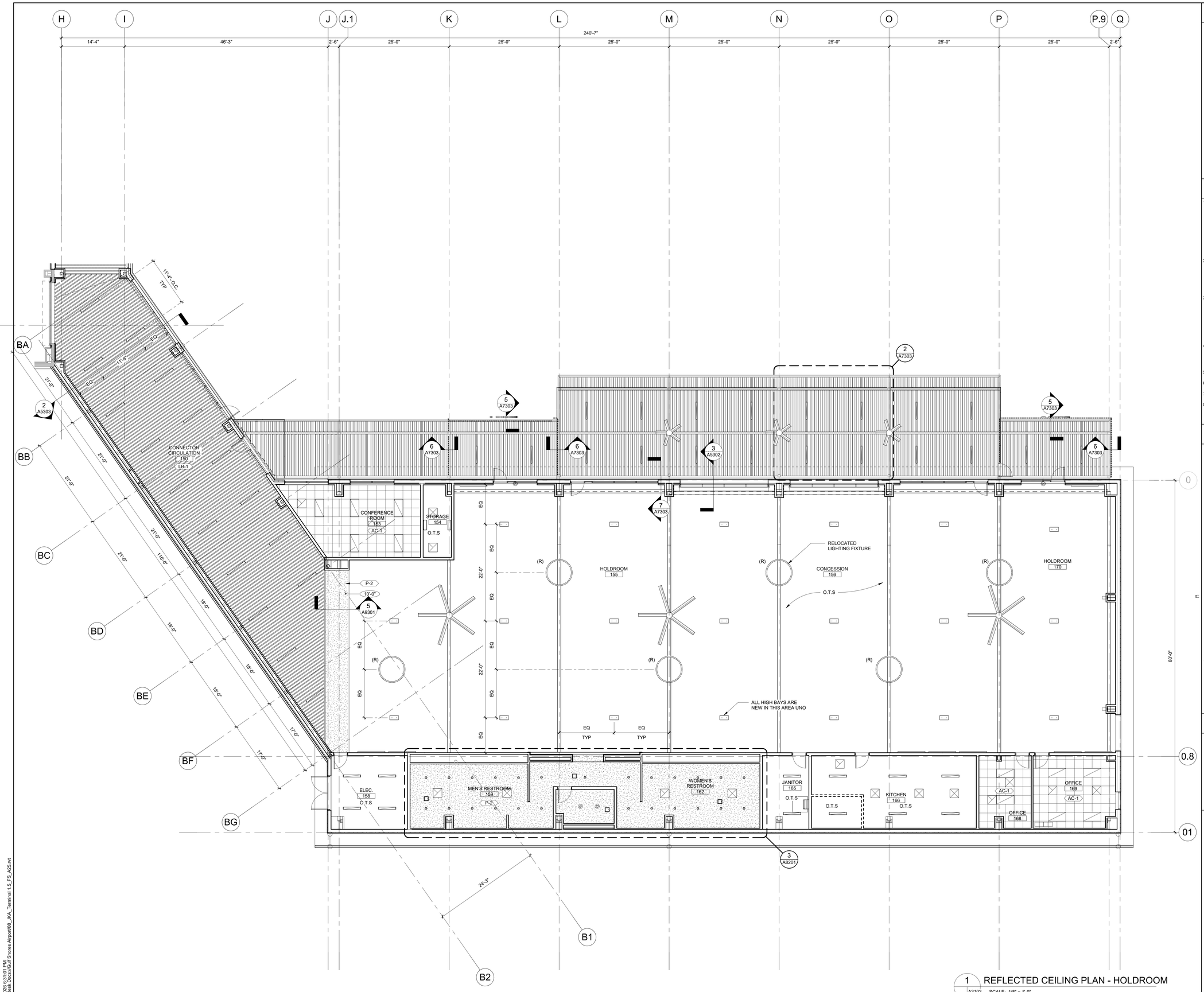
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REFLECTED CEILING PLAN - TERMINAL

PROJECT #: 20250023

SHEET NUMBER
A3101

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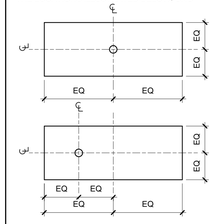
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1 REFLECTED CEILING PLAN - HOLDROOM
A3102 SCALE: 1/8" = 1'-0"

DEVICE LOCATION

ALL CEILING DEVICES, EXCLUDING LIGHTING, SHALL BE LOCATED IN CEILING TILES IN ONE OF THE LOCATIONS ILLUSTRATED BELOW, UNO



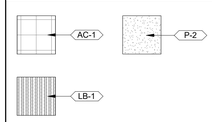
RCP NOTES

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4. REFER TO SPECIFICATION SECTION 01 3150 – PROJECT COORDINATION FOR REQUIREMENTS REGARDING THE PREPARATION OF CEILING PLENUM COORDINATION DRAWINGS AND INTERFERENCE DRAWINGS.
5. CENTER CEILING GRID IN ROOM UNLESS OTHERWISE NOTED.
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7. ALL LIGHT FIXTURES IN THE HOLDROOM TO BE **19'-6"** A.F.F. UNLESS OTHERWISE NOTED
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RCP SYMBOLS

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- SQUARE RETURN DIFFUSER
- SPEAKER
- FIRE ALARM STROBE
- SPRINKLER HEAD
- EXTERIOR DOWNLIGHT
- PENDANT LIGHT
- FAN

RCP LEGEND



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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

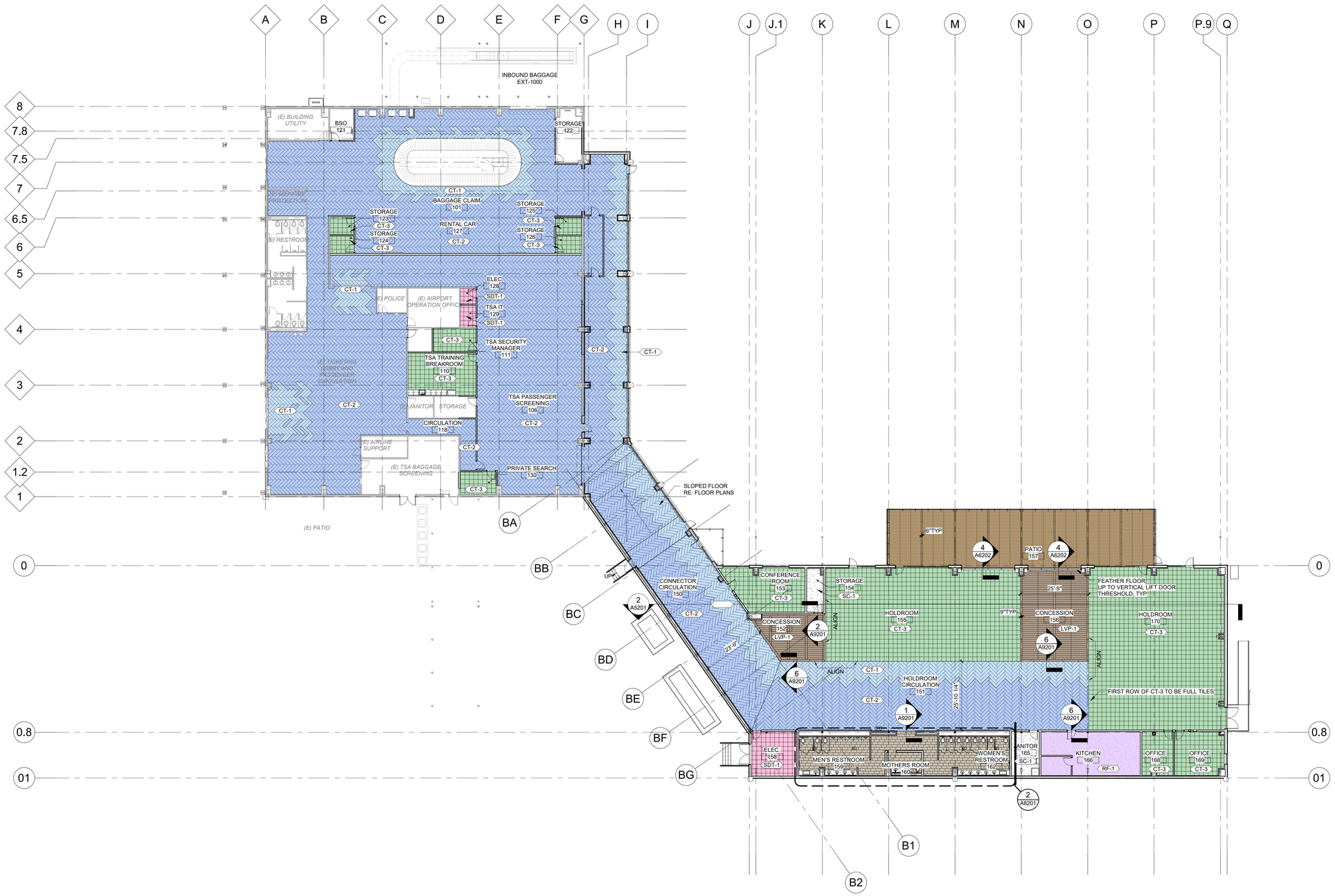
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REFLECTED CEILING PLAN - HOLDROOM

PROJECT #: 20250023

SHEET NUMBER
A3102

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1 FLOOR FINISH PLAN
A4001 SCALE: 1/16" = 1'-0"

FINISH NOTES

1. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
2. 12"H STAINLESS STEEL WALL BASE TO BE INSTALLED THROUGHOUT PUBLIC FACING AREAS, EXCEPT AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS. WALL BASE AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS TO BE 1"H STAINLESS STEEL COVE BASE. JANITORIAL WALL BASE TO BE 6" RUBBER BASE.
3. PROVIDE TRANSITION STRIPS AT NEW FLOORING LOCATIONS.
4. REPLACE EXISTING BASE WITH RB-1 AT ALL LOCATIONS WHERE NEW CARPET IS BEING INSTALLED WITHIN THE EXISTING TERMINAL BUILDING.
5. TILE TO BE CENTERED IN ROOM UNO. IF TILE AT ROOM PERIMETER IS LESS THAN HALF A TILE DURING TEST FIT, CENTER TILE JOINT IN ROOM TP SEE IF THE RESULT ALLOWS FOR A LARGER TILE. INSTALL THE LARGER SOLUTION.
6. FINISH FLOORING TO BE INSTALLED UNDER ALL NEW OR RELOCATED CASEWORK AND EQUIPMENT.
7. CT-1 AND CT-2 TILE LAYOUT ON FINISH PLANS IS REPRESENTATIONAL. MANUFACTURER TO PROVIDE SHOP DRAWINGS WITH CARPET TILE LAYOUT FOR CT-1 AND CT-2 FOR ARCHITECT APPROVAL PRIOR TO INSTALLATION.

FLOOR FINISHES

CT-2
CT-3
CT-1
LVP-1
PFT-1
PFT-2
RF-1
SDT-1
SC-1

LEGEND

EXISTING WALLS TO REMAIN
NEW FRAMED WALLS

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
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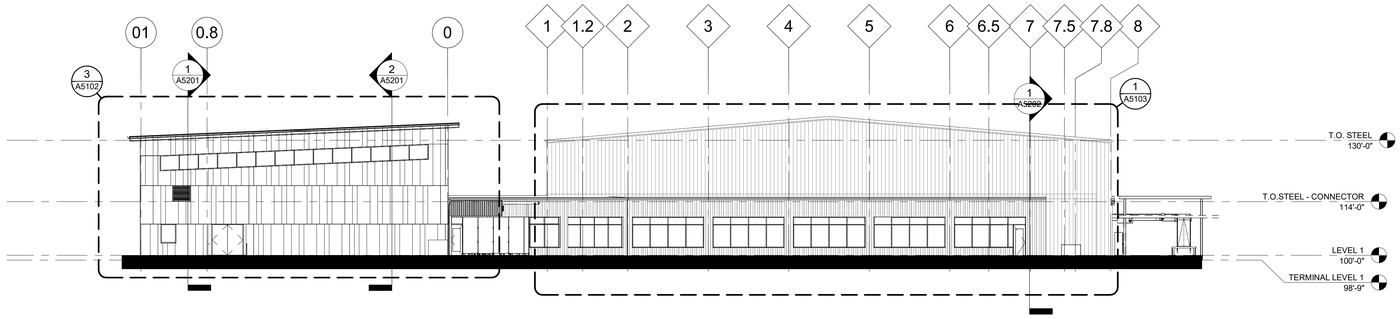
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FLOOR FINISH PLAN

PROJECT #: 20250023

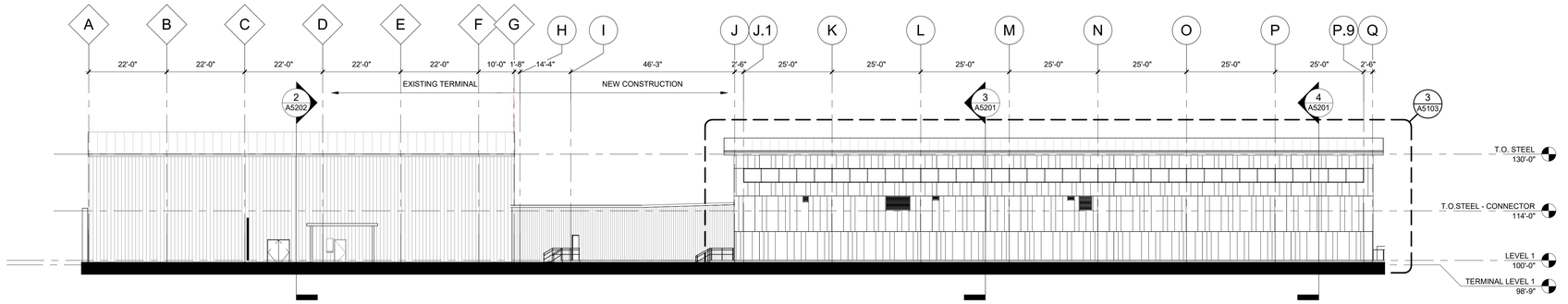
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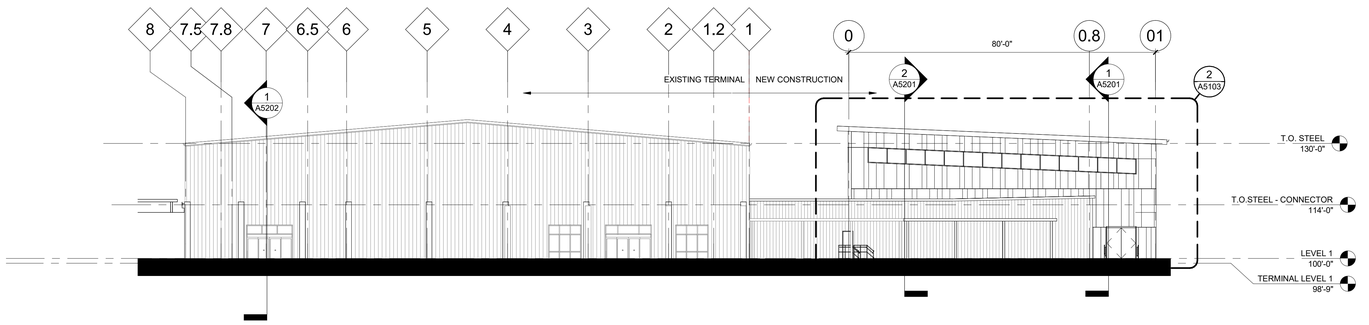
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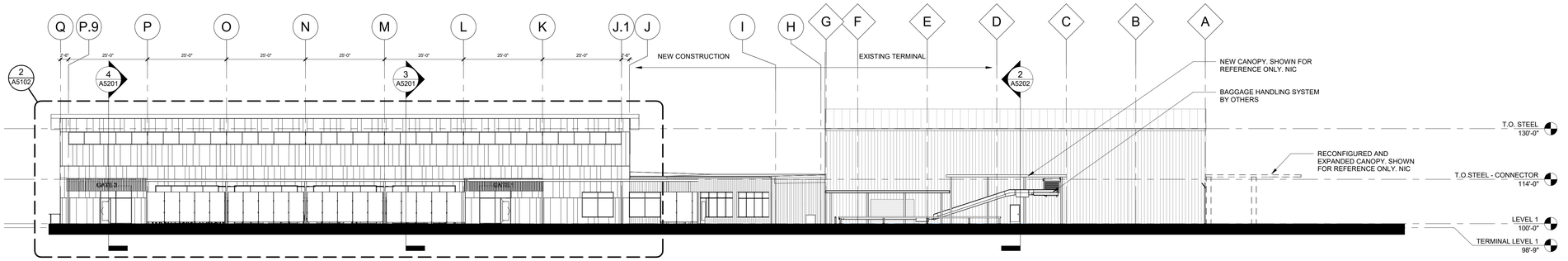
4 BUILDING ELEVATION - EAST
A2001 A5101 SCALE: 1/16" = 1'-0"



3 BUILDING ELEVATION - SOUTH
A2001 A5101 SCALE: 1/16" = 1'-0"

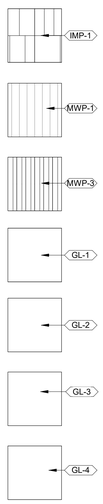


2 BUILDING ELEVATION - WEST
A2001 A5101 SCALE: 1/16" = 1'-0"



1 BUILDING ELEVATION - NORTH
A2001 A5101 SCALE: 1/16" = 1'-0"

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1155 COMMERCE DR, GULF SHORES, AL 36542

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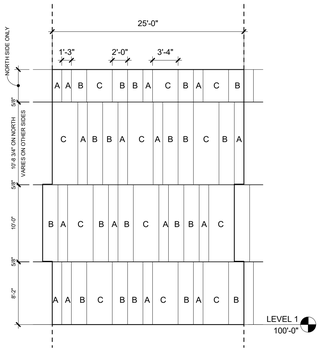
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OVERALL EXTERIOR ELEVATIONS

PROJECT #: 20250023

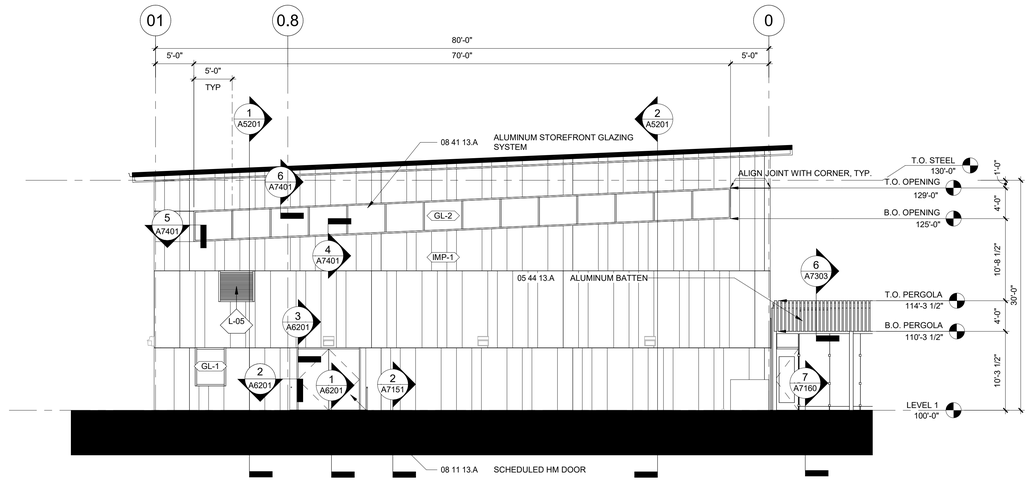
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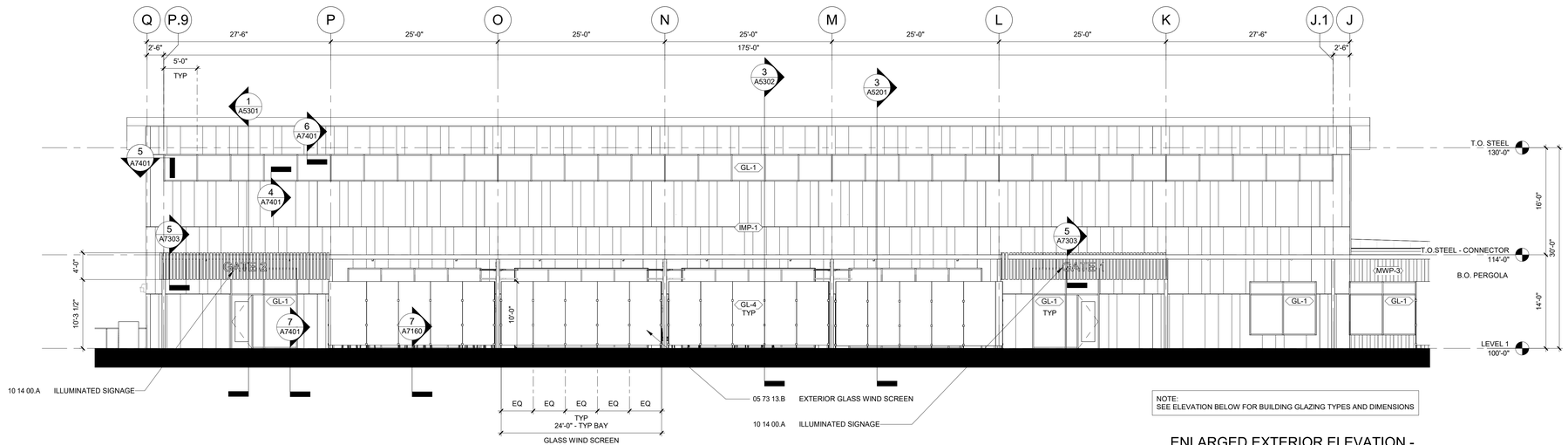
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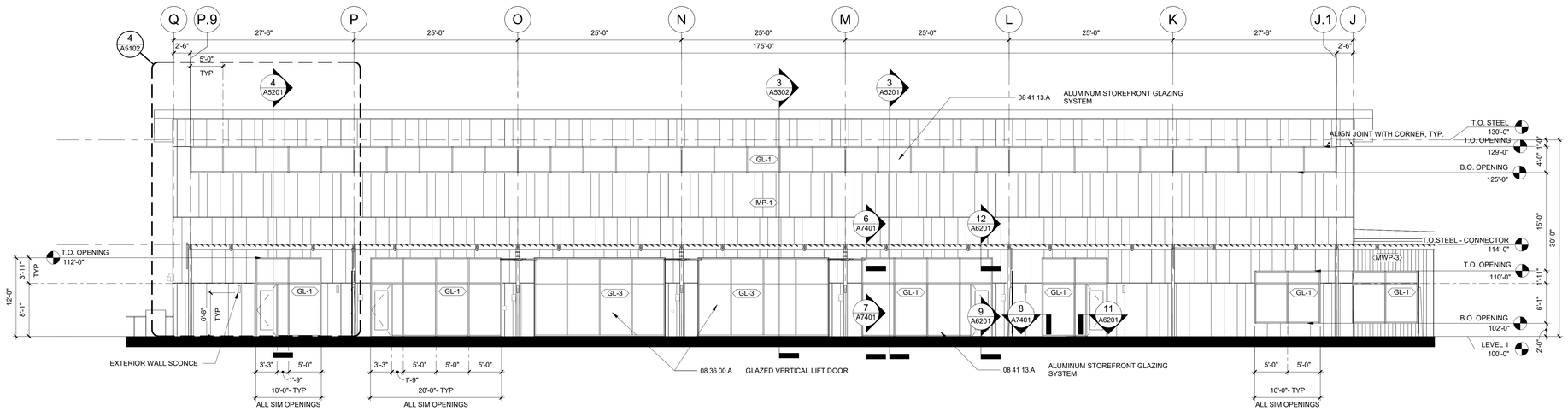
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A5102 A5102 SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST
A2102 A5102 SCALE: 1/8" = 1'-0"

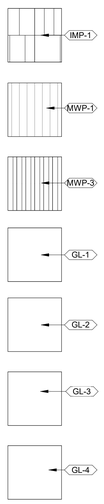


2 ENLARGED EXTERIOR ELEVATION - NORTH
A2001 A5102 SCALE: 1/8" = 1'-0"



1 ELEVATION - NORTH
A2102 A5102 SCALE: 1/8" = 1'-0"

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1155 COMMERCE DR, GULF SHORES, AL 36542

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8819
5/1/2026
REGISTERED ARCHITECT

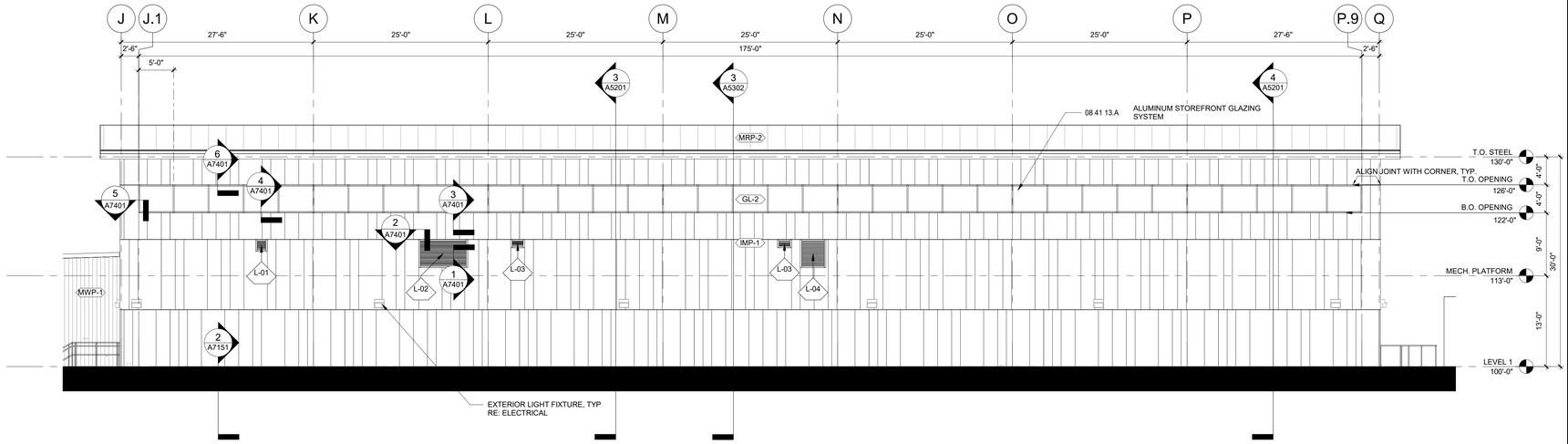
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EXTERIOR ELEVATIONS

PROJECT #: 20250023

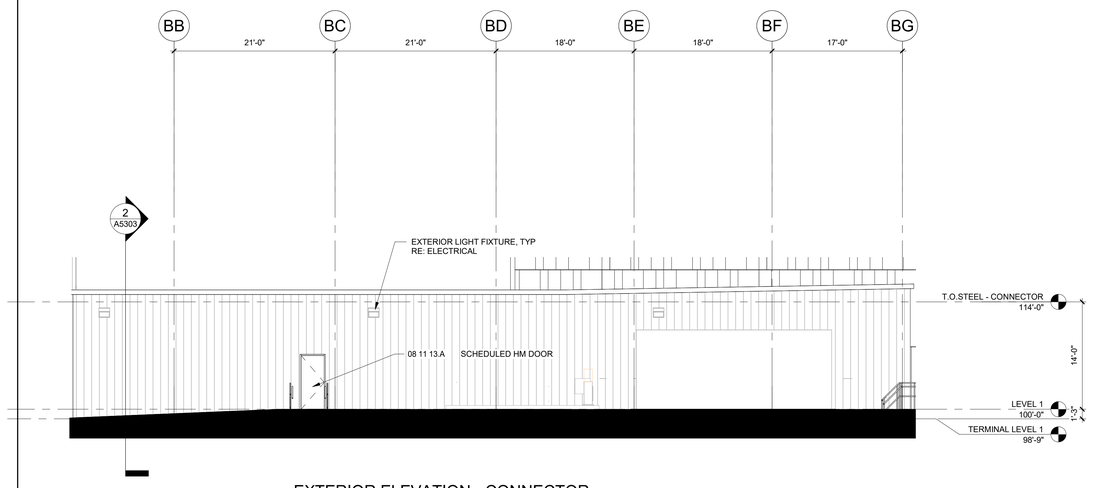
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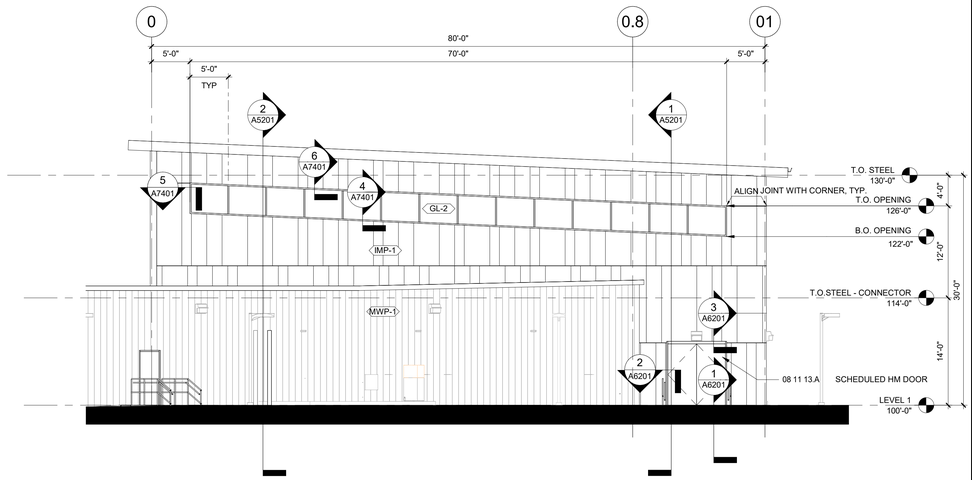
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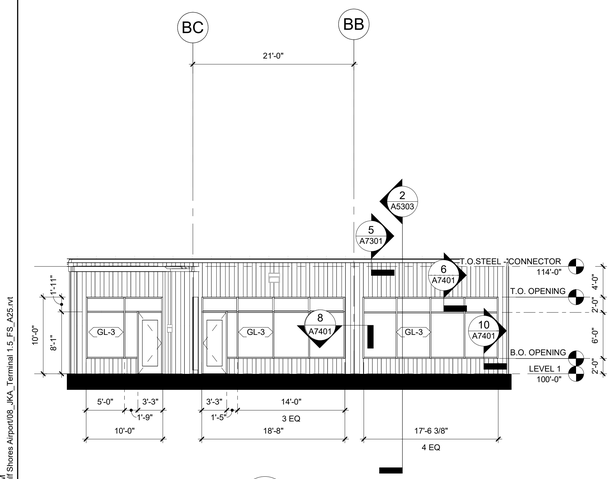
3 EXTERIOR ELEVATION - SOUTH
A2001 A5103 SCALE: 1/8" = 1'-0"



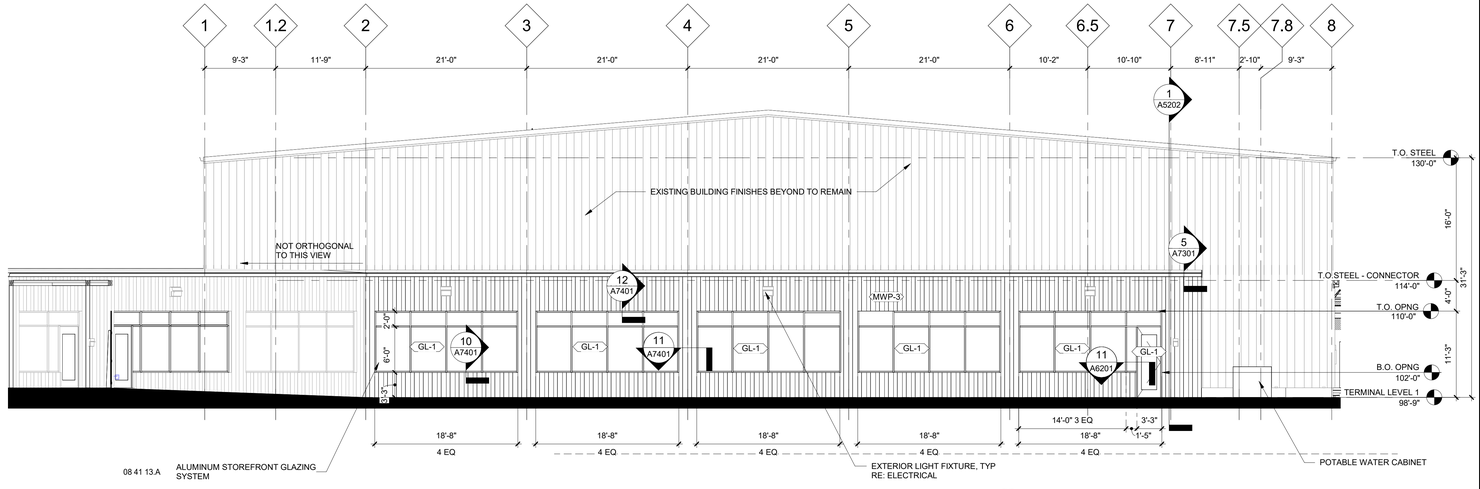
5 EXTERIOR ELEVATION - CONNECTOR SOUTH
A2001 A5103 SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - WEST
A2102 A5103 SCALE: 1/8" = 1'-0"

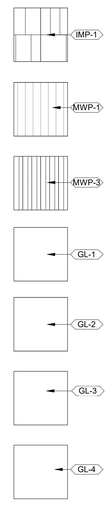


4 EXTERIOR ELEVATION - CONNECTOR
A2102 A5103 SCALE: 1/8" = 1'-0"



1 EXTERIOR ELEVATION - CONNECTOR
A2101 A5103 SCALE: 1/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

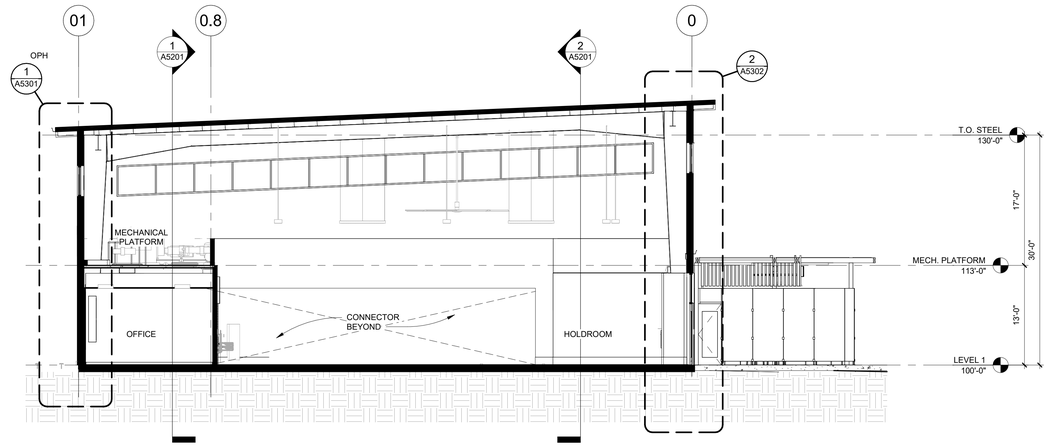
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EXTERIOR ELEVATIONS

PROJECT #: 20250023

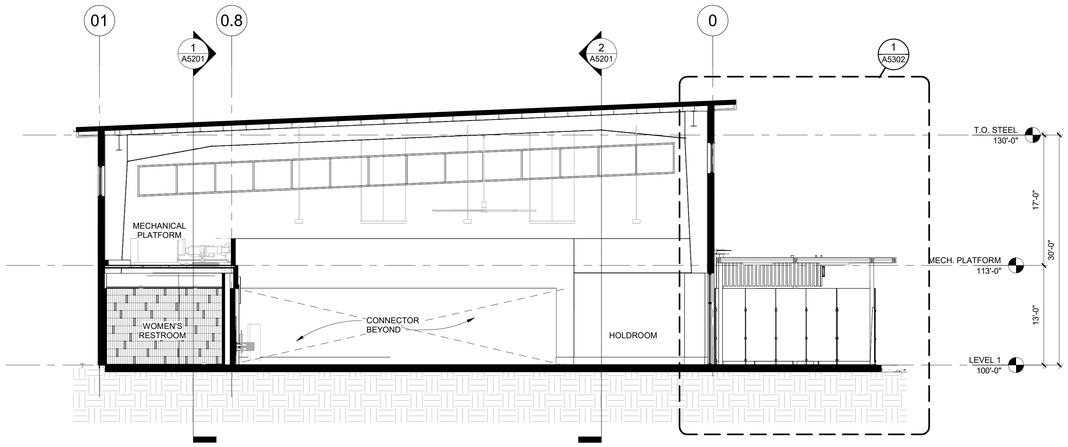
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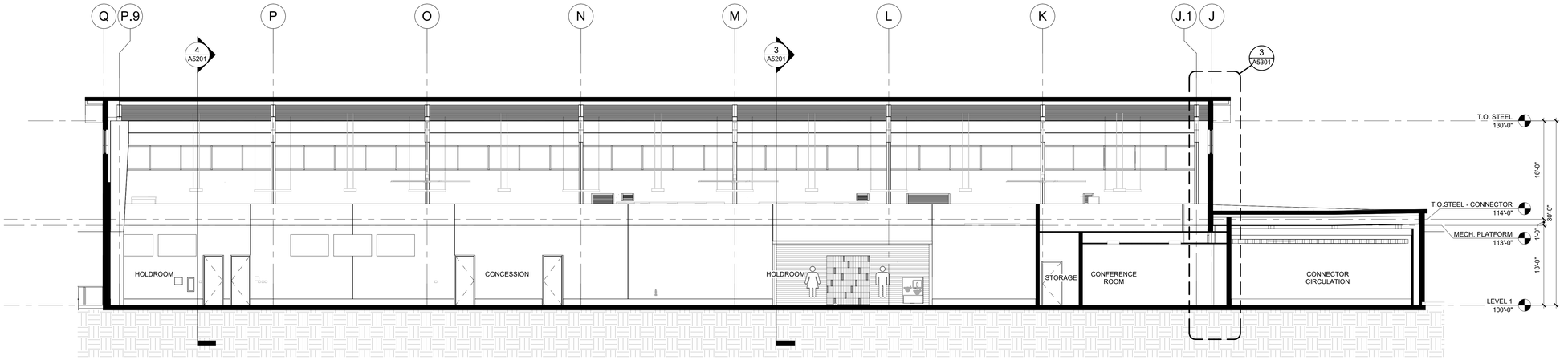
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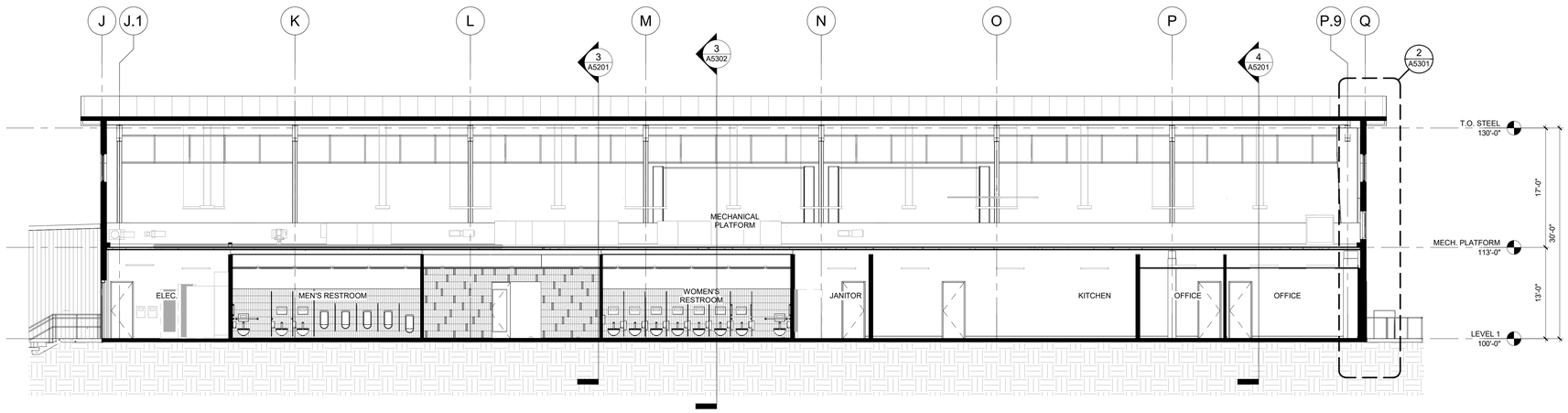
4 BUILDING SECTION
A2001 A5201 SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
A2001 A5201 SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
A2001 A5201 SCALE: 1/8" = 1'-0"



1 BUILDING SECTION
A2001 A5201 SCALE: 1/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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A	SCHEMATIC DESIGN	12/15/2025
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

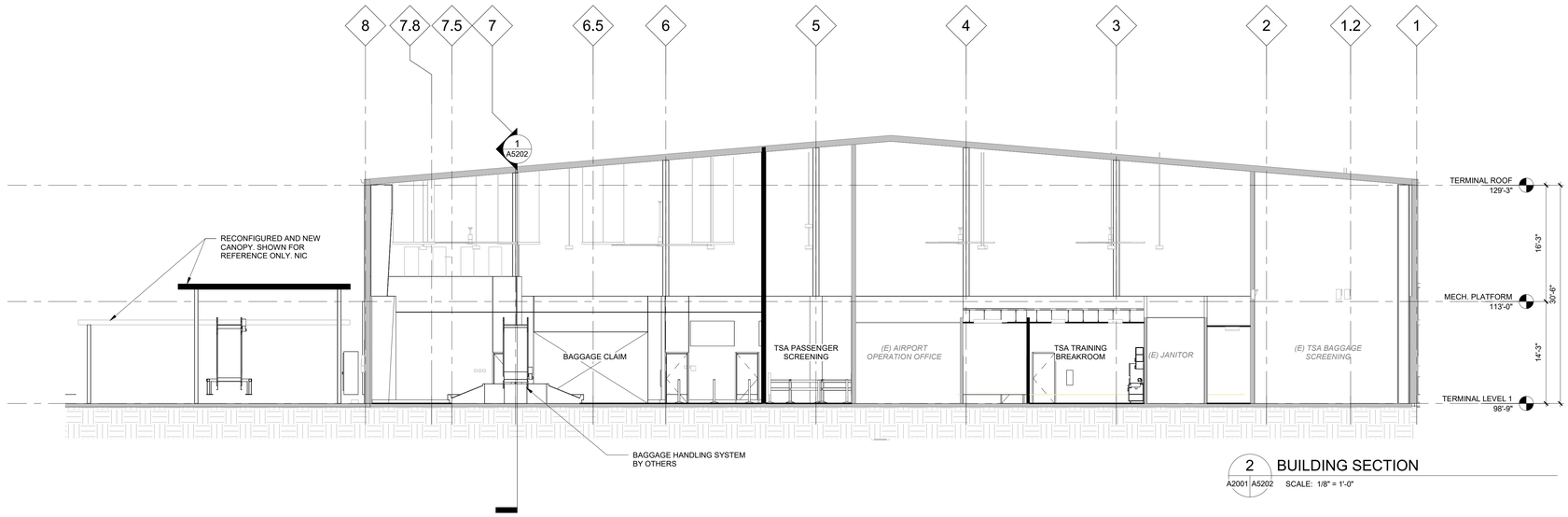
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PROJECT #: 20250023

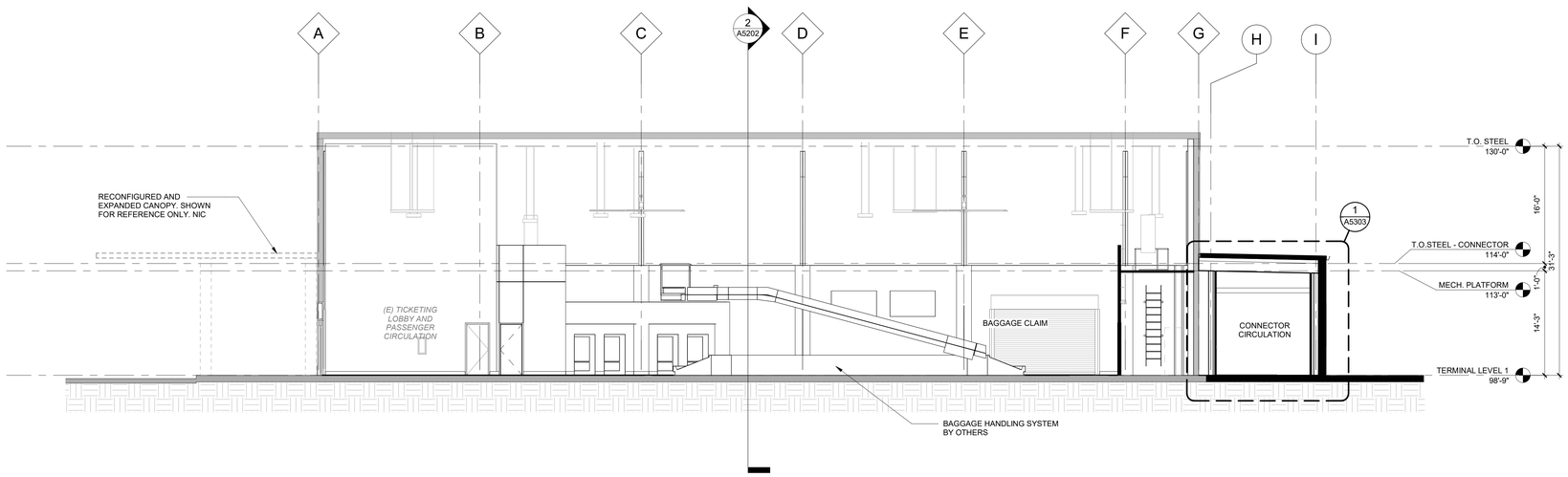
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2 BUILDING SECTION
A2001 A5202 SCALE: 1/8" = 1'-0"



1 BUILDING SECTION
A2001 A5202 SCALE: 1/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

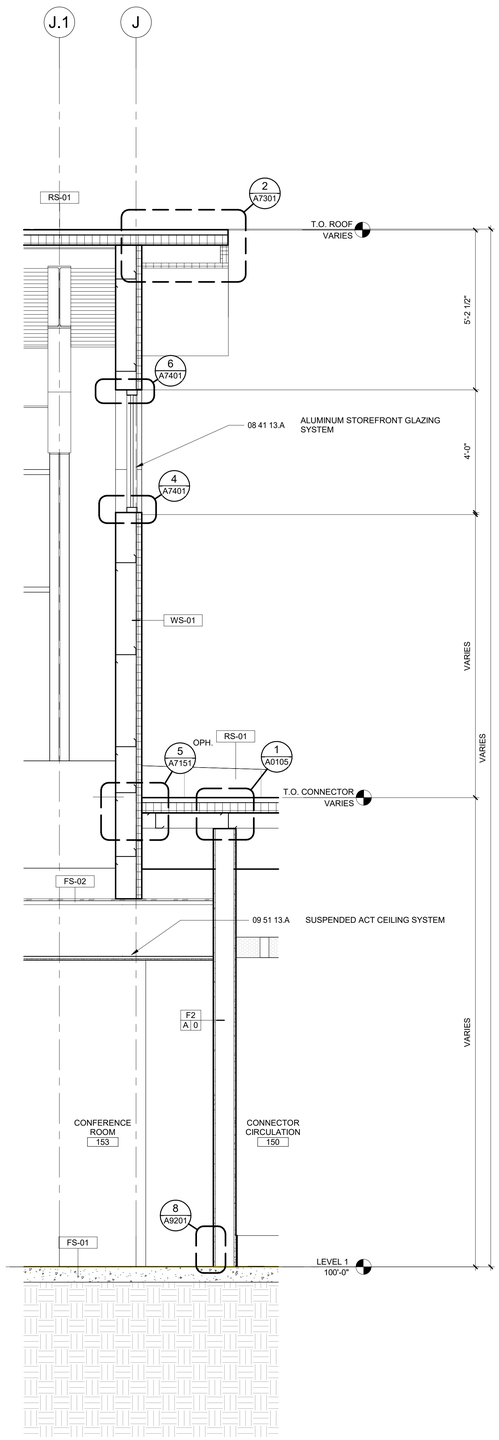
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PROJECT #: 20250023

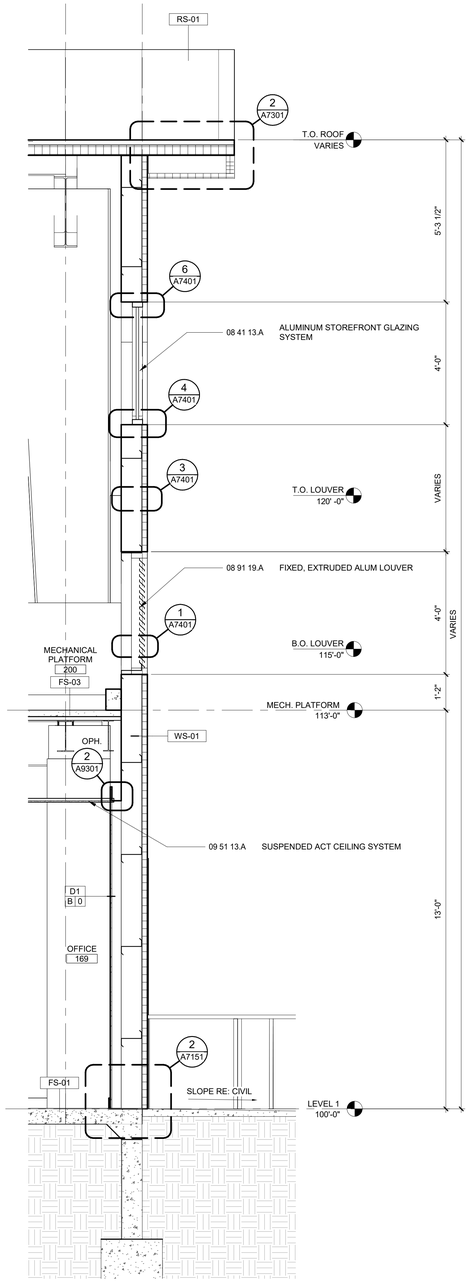
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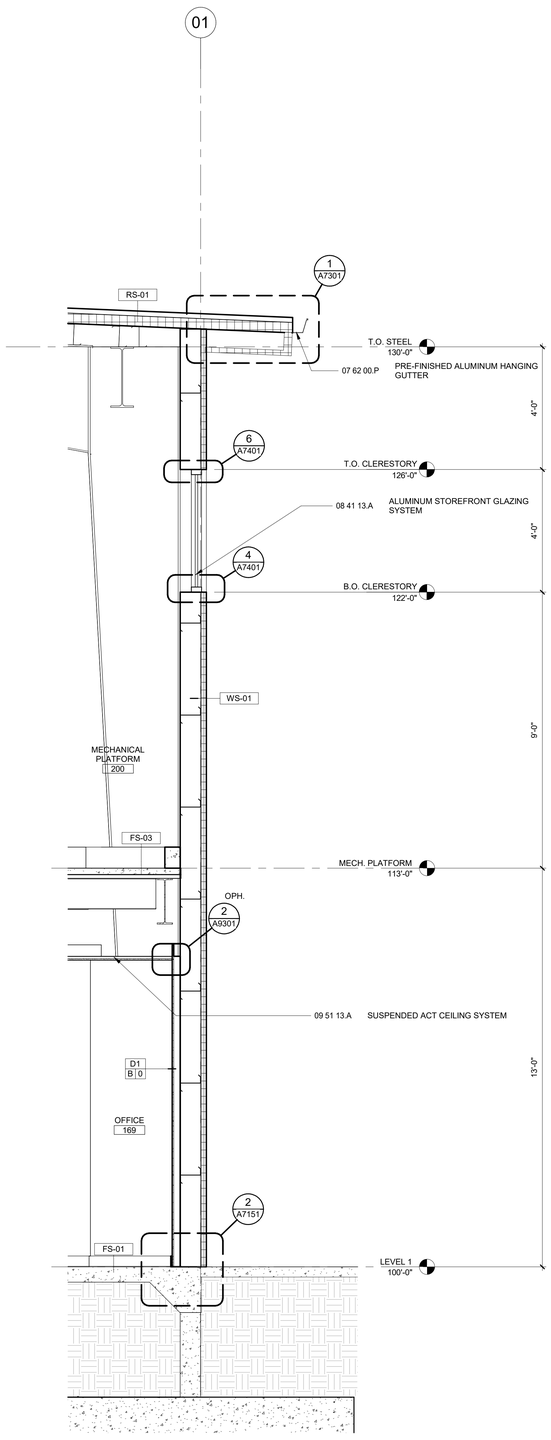
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3 WALL SECTION
A2005 A5301 SCALE: 1/2" = 1'-0"



2 WALL SECTION
A2102 A5301 SCALE: 1/2" = 1'-0"



1 WALL SECTION
A2102 A5301 SCALE: 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

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8819
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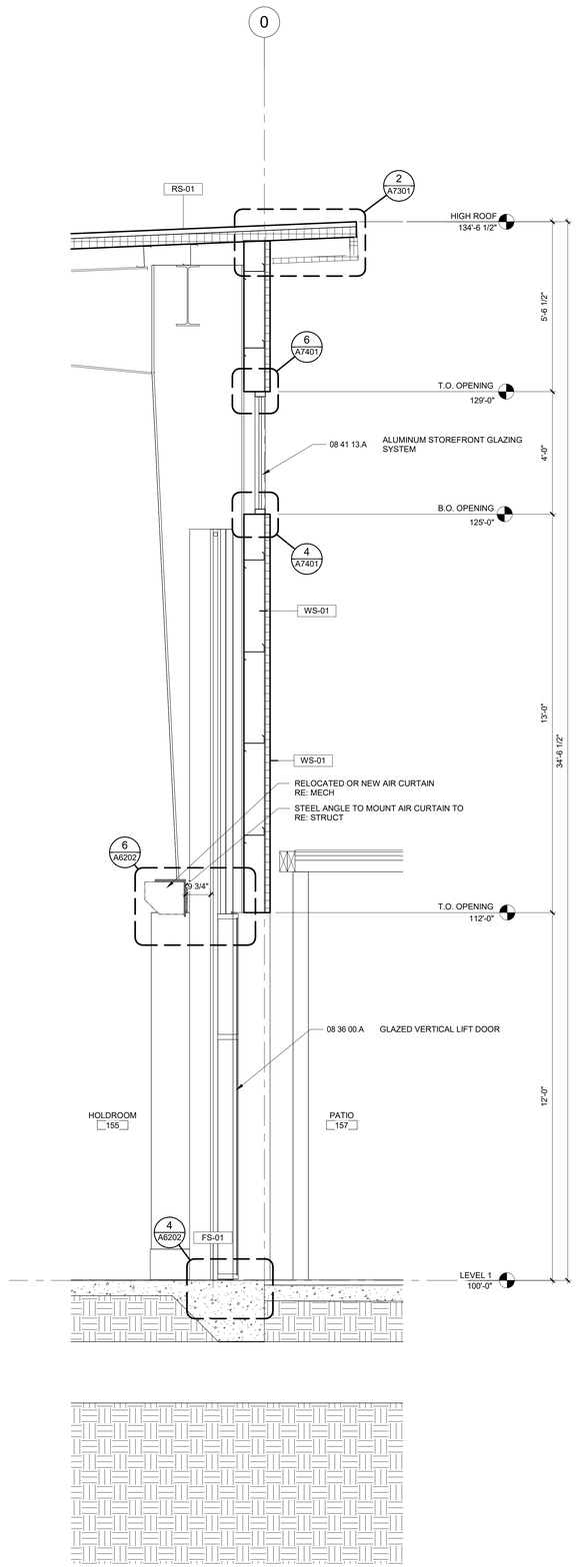
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WALL SECTIONS

PROJECT #: 20250023

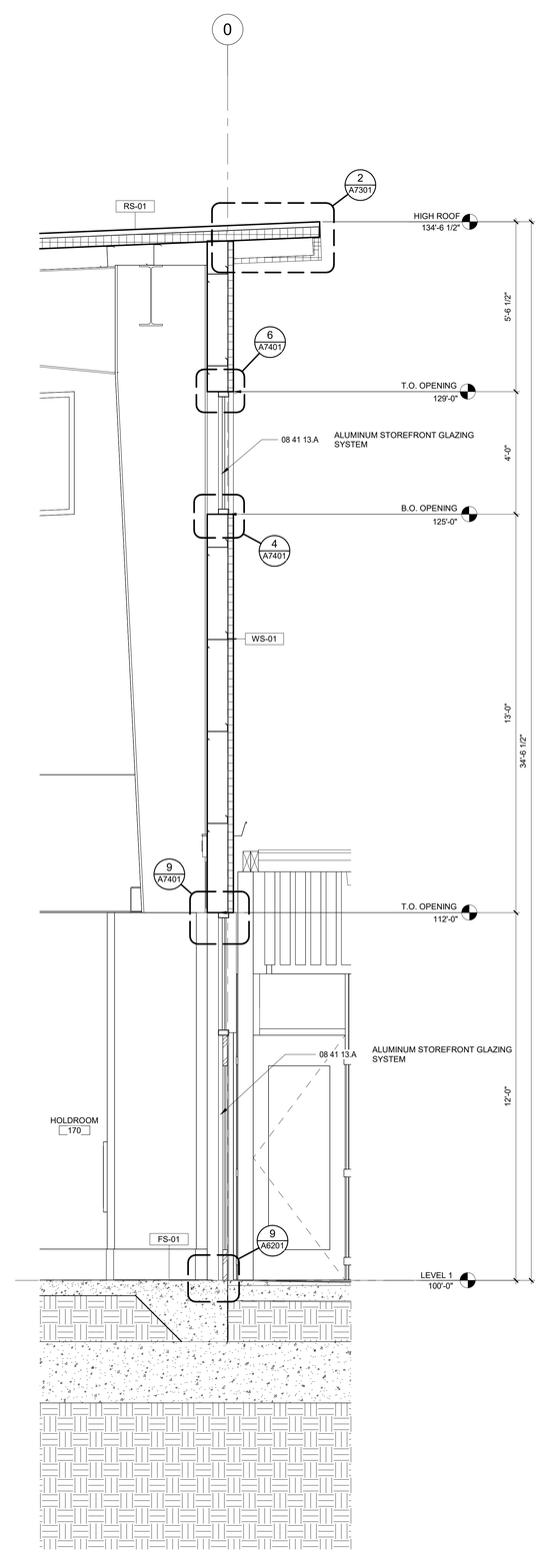
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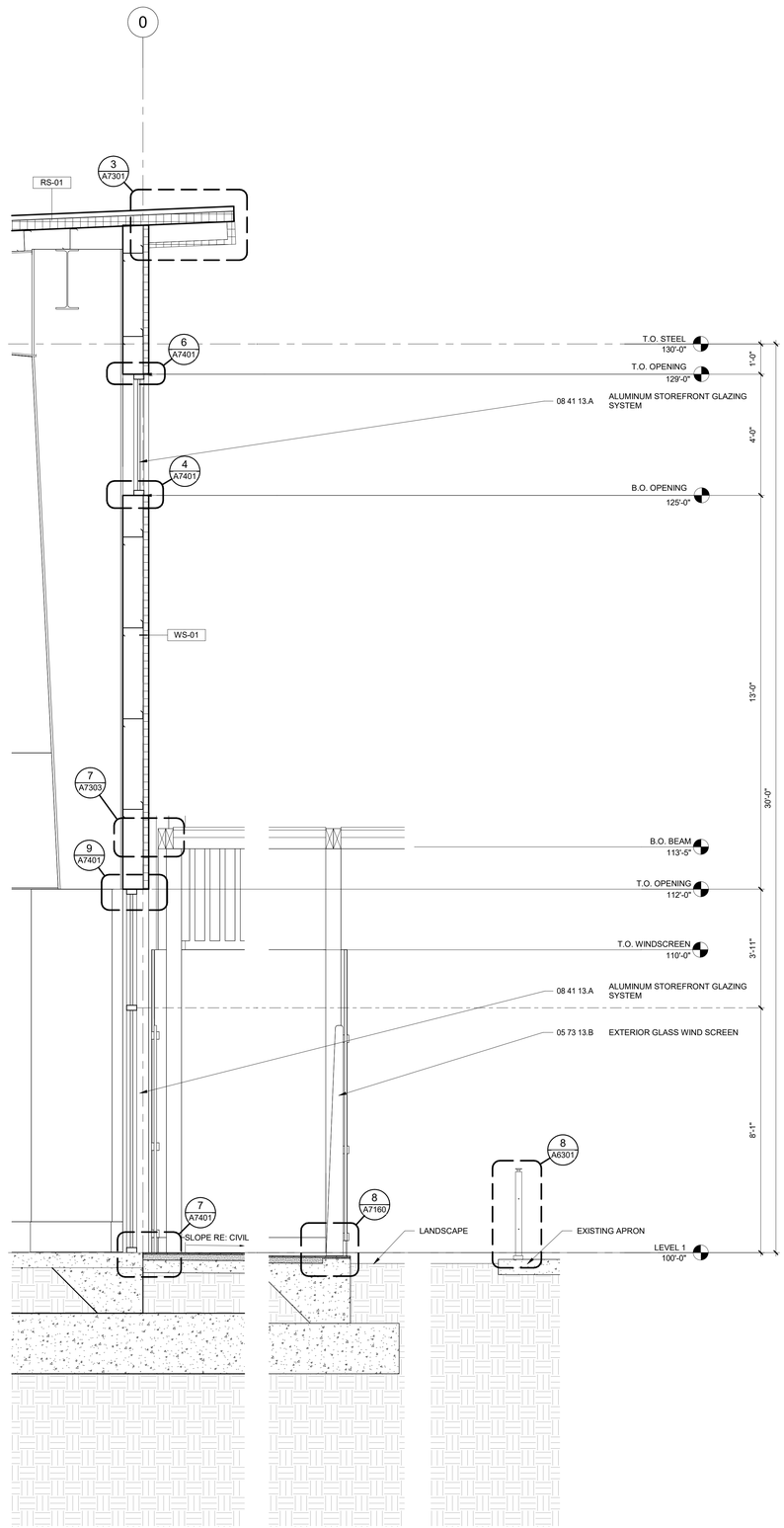
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3 WALL SECTION
A2102 A5302 SCALE: 1/2" = 1'-0"



2 WALL SECTION
A2102 A5302 SCALE: 1/2" = 1'-0"



1 WALL SECTION
A2102 A5302 SCALE: 1/2" = 1'-0"

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1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
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8819
5/1/2026
REGISTERED ARCHITECT

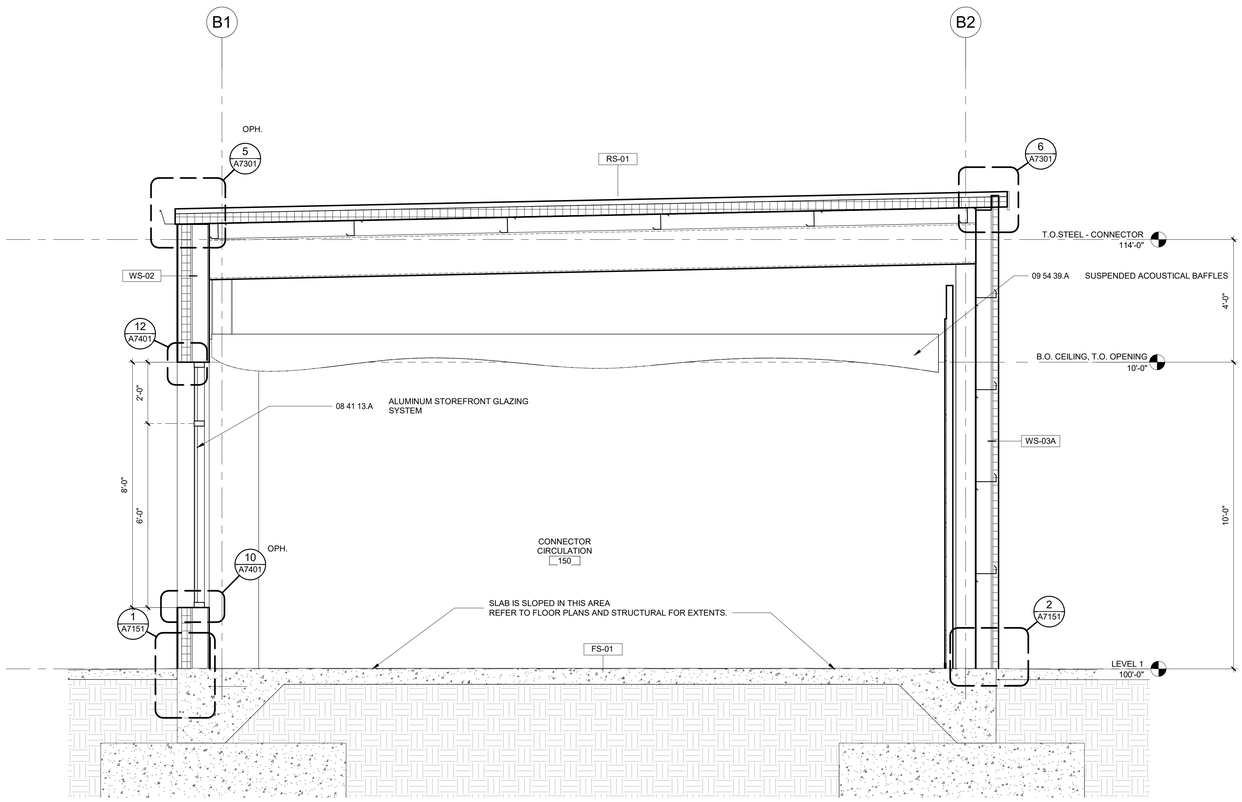
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PROJECT #: 20250023

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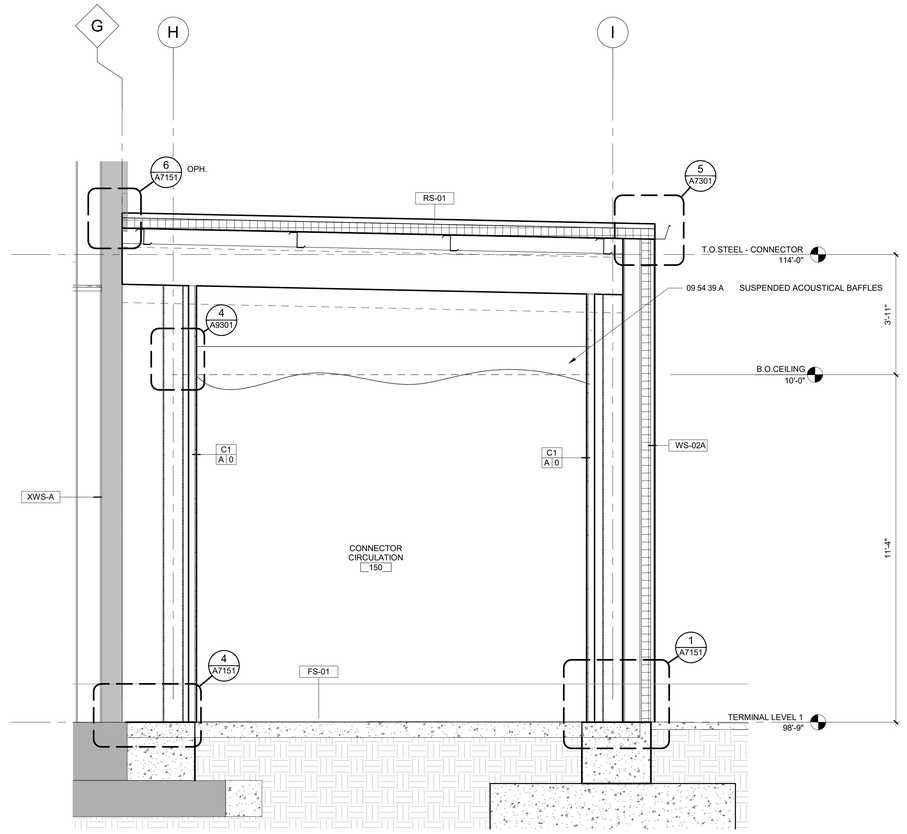
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2 WALL SECTION

A2102 A5303 SCALE: 1/2" = 1'-0"



1 WALL SECTION

A2005 A5303 SCALE: 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
WALL SECTIONS

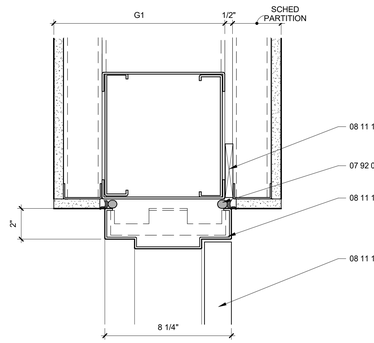
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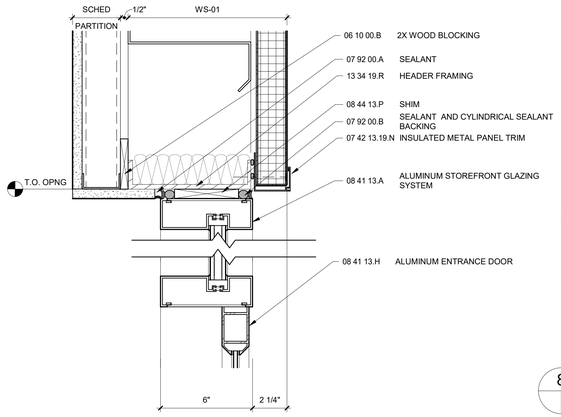
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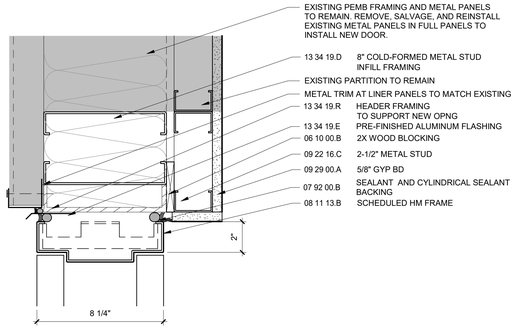
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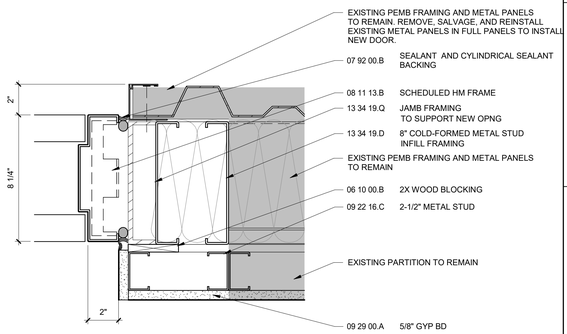
16 HM HEAD AT G1 INFILL
A6201 SCALE: 3" = 1'-0"



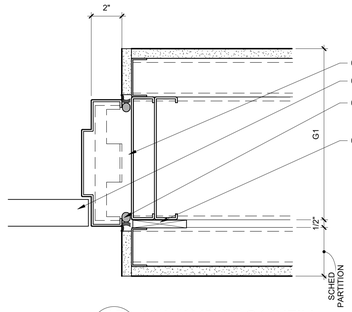
12 AL HEAD AT WS-01
A5102 A6201 SCALE: 3" = 1'-0"



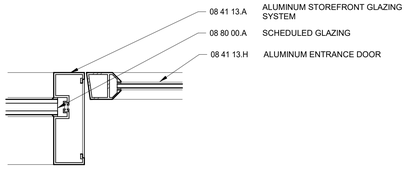
8 HM HEAD AT EXISTING PEMB
A6201 SCALE: 3" = 1'-0"



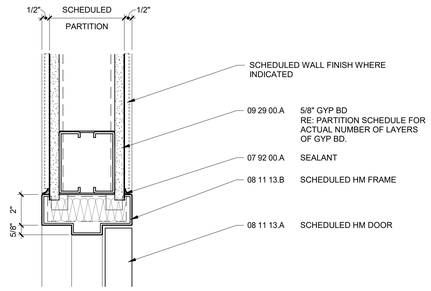
4 HM JAMB AT EXISTING PEMB
A2101 A6201 SCALE: 3" = 1'-0"



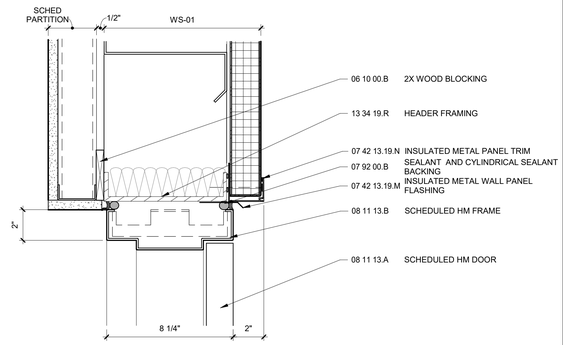
15 HM JAMB AT G1 INFILL
A6201 SCALE: 3" = 1'-0"



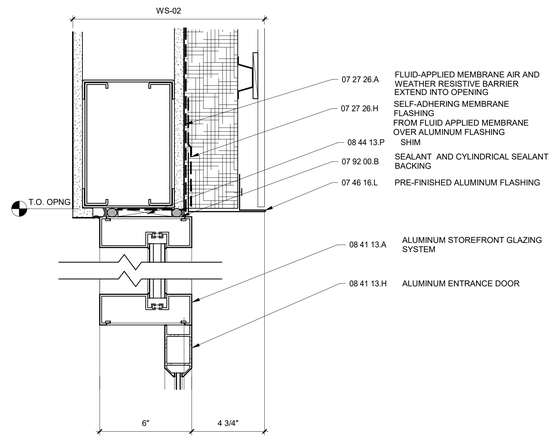
11 AL JAMB
A5102 A6201 SCALE: 3" = 1'-0"



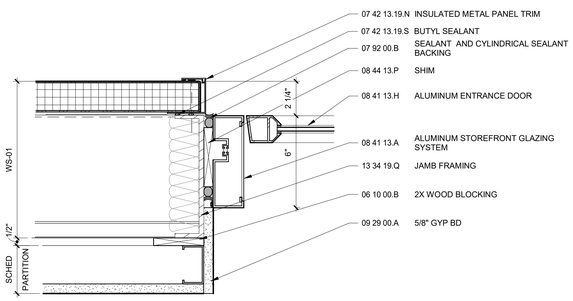
7 HM HEAD INTERIOR
A8203 A6201 SCALE: 3" = 1'-0"



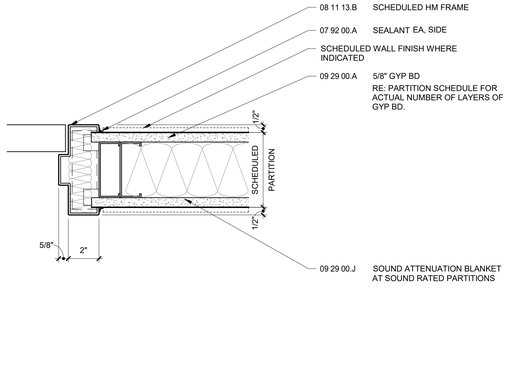
3 HM HEAD WS-01
A5102 A6201 SCALE: 3" = 1'-0"



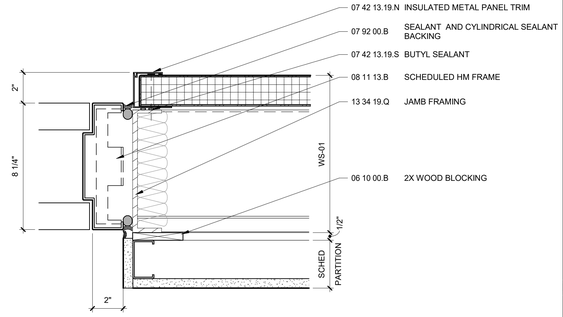
14 AL HEAD AT WS-02
A6201 SCALE: 3" = 1'-0"



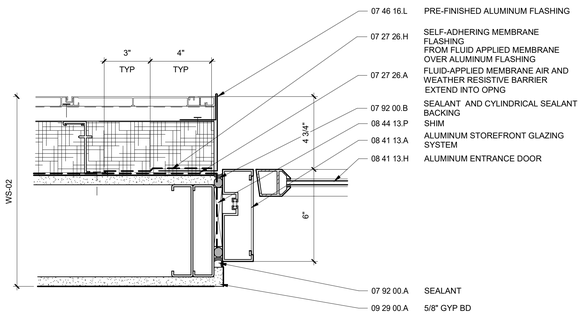
10 AL JAMB AT WS-01
A6201 SCALE: 3" = 1'-0"



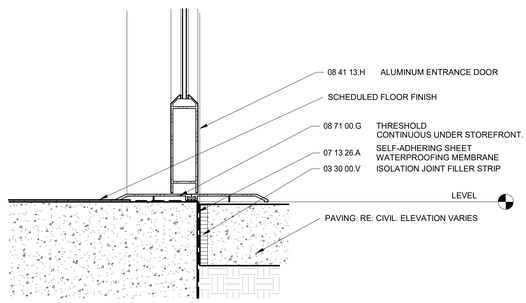
6 HM JAMB INTERIOR
A8203 A6201 SCALE: 3" = 1'-0"



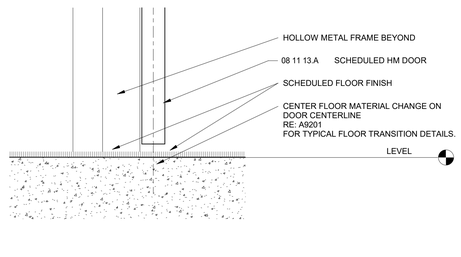
2 HM JAMB WS-01
A2311 A6201 SCALE: 3" = 1'-0"



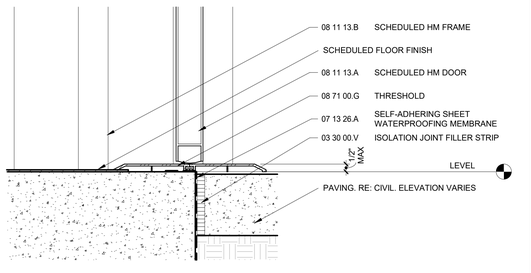
13 AL JAMB AT WS-02
A6201 SCALE: 3" = 1'-0"



9 AL EXTERIOR THRESHOLD
A5102 A6201 SCALE: 3" = 1'-0"



5 HM INTERIOR THRESHOLD
A6201 SCALE: 3" = 1'-0"



1 HM EXTERIOR THRESHOLD
A5102 A6201 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
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1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

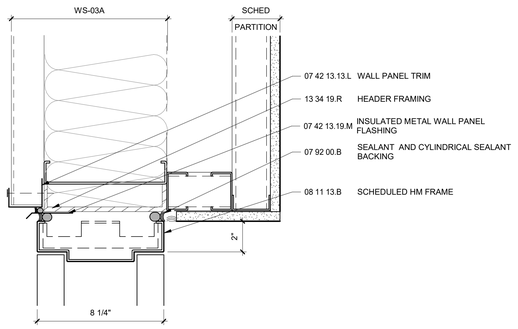
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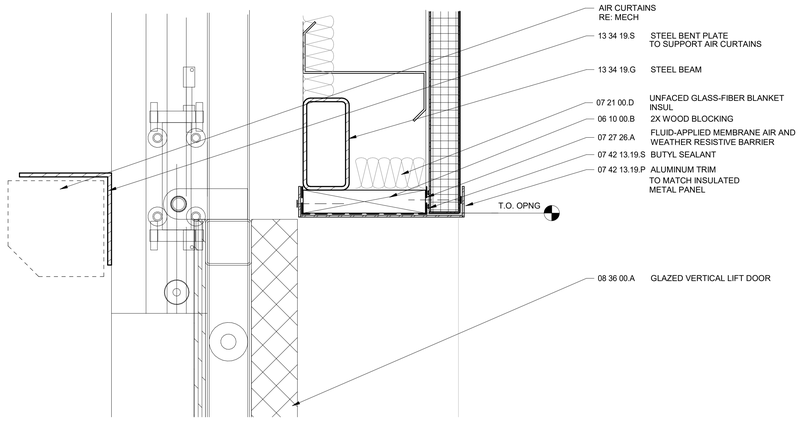
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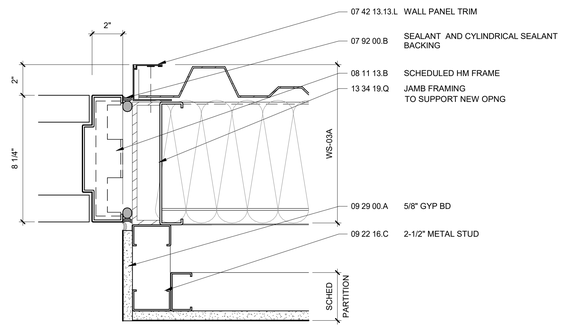
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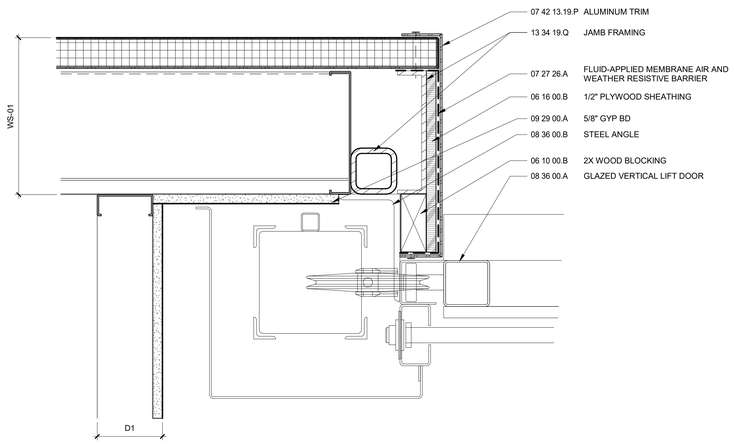
9 HM HEAD AT WS-03A

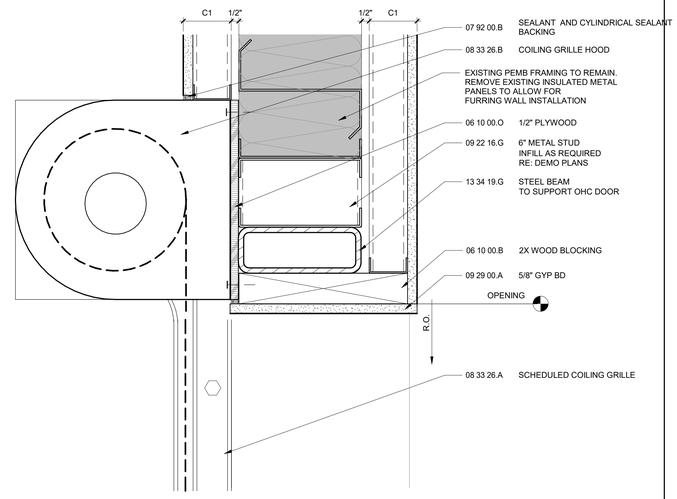
A6202 SCALE: 3" = 1'-0"



6 HEAD AT VERTICAL LIFT

A5302 A6202 SCALE: 3" = 1'-0"





8 HM JAMB AT WS-03A

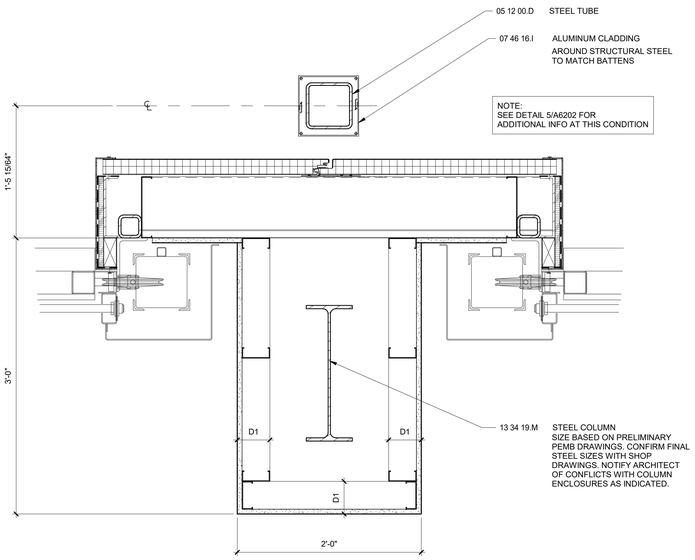
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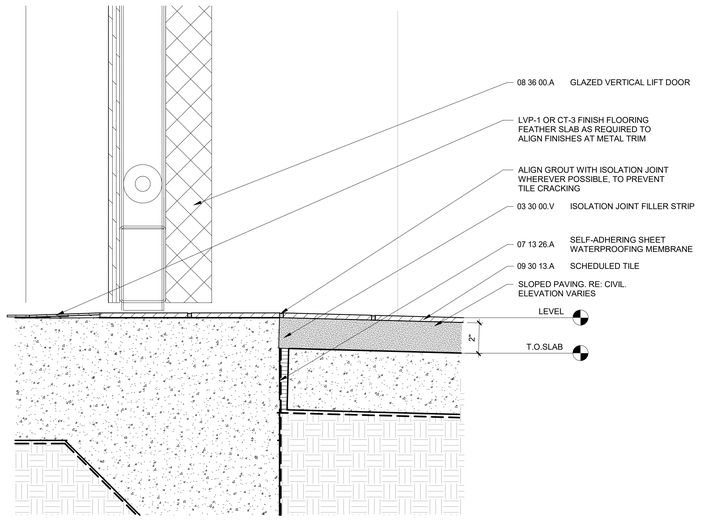
5 VERTICAL LIFT JAMB

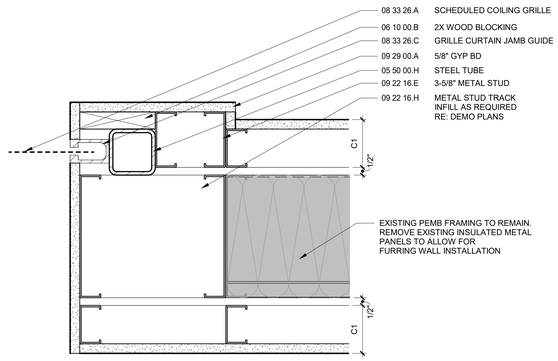
A2102 A6202 SCALE: 3" = 1'-0"

2 OHC HEAD

A6202 SCALE: 3" = 1'-0"







7 HOLDROOM COLUMN WRAP AT VT DOOR

A2102 A6202 SCALE: 3" = 1'-0"

4 VERTICAL LIFT DOOR THRESHOLD

A4001 A6202 SCALE: 3" = 1'-0"

1 OHC JAMB

A6202 SCALE: 3" = 1'-0"

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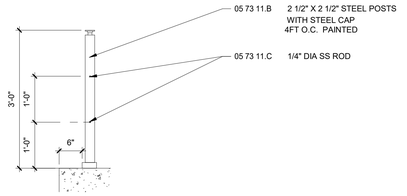
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PROJECT #: 20250023

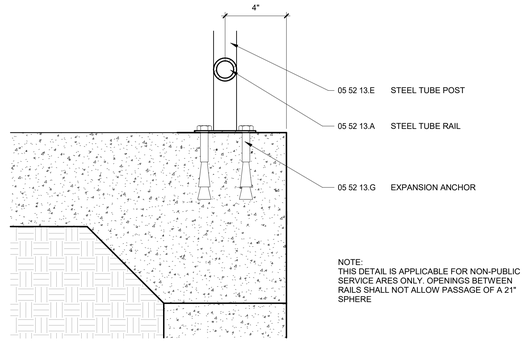
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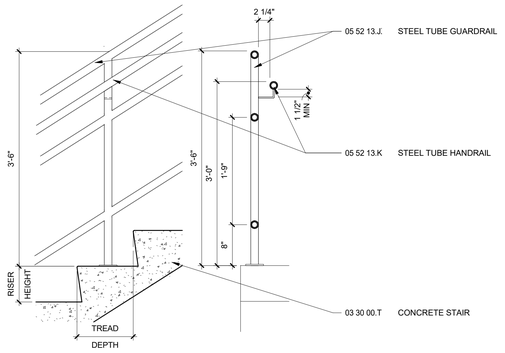
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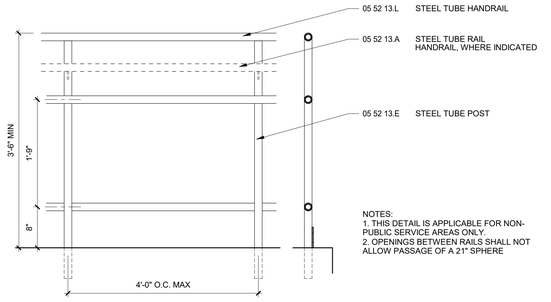
8 SITE RAIL DETAIL
A5302 A6301 SCALE: 3/4" = 1'-0"



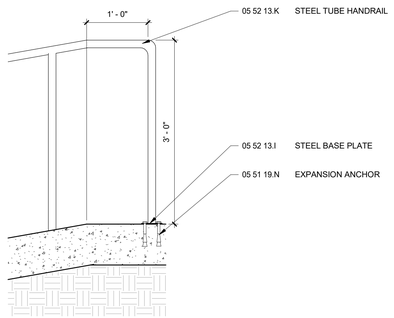
4 RAILING DETAIL
A6301 SCALE: 3" = 1'-0"



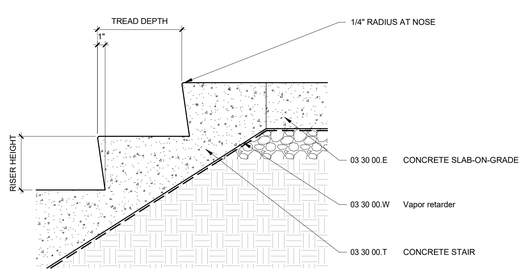
7 RAILING SECTION
A2311 A6301 SCALE: 1" = 1'-0"



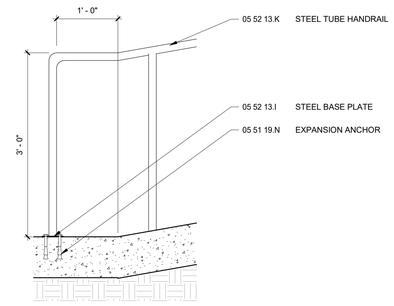
3 RAILING DETAIL
A2311 A6301 SCALE: 1" = 1'-0"



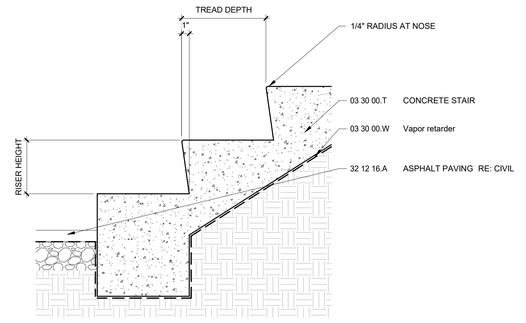
6 RAMP RAILING - TOP
A2311 A6301 SCALE: 1" = 1'-0"



2 CONCRETE STAIR TOP
A2311 A6301 SCALE: 1 1/2" = 1'-0"



5 RAMP RAILING - BOTTOM
A2311 A6301 SCALE: 1" = 1'-0"



1 CONCRETE STAIR BOTTOM
A2311 A6301 SCALE: 1 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

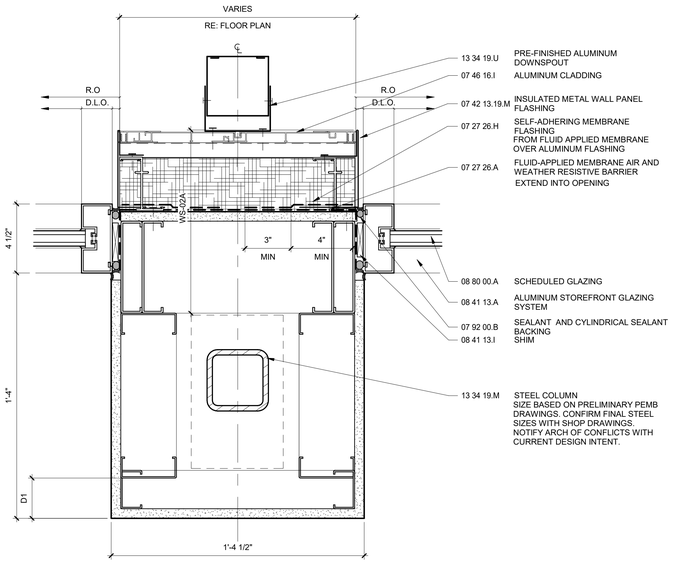
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STAIR AND RAIL DETAILS

PROJECT #: 20250023

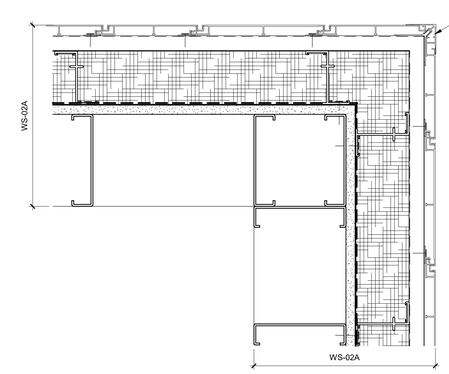
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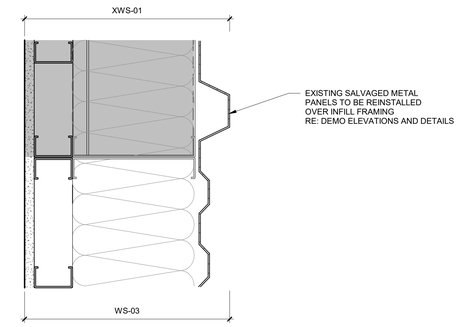
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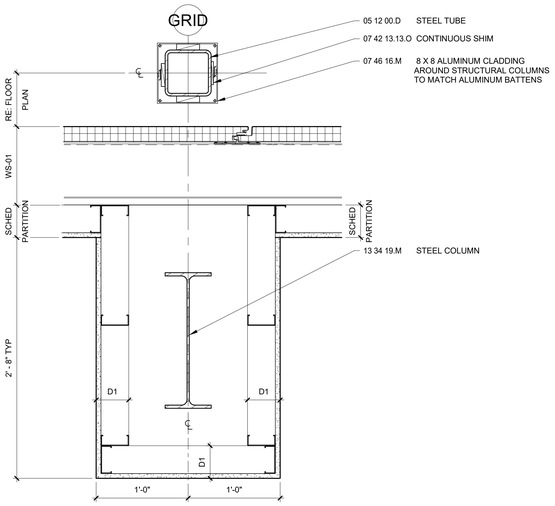
6 CONNECTOR COLUMN ENCLOSURE
A2101 A7101 SCALE: 3" = 1'-0"



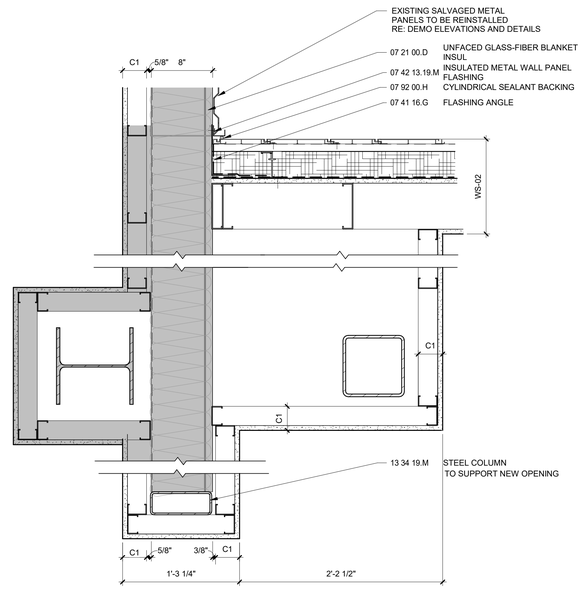
4 TYP WS-02 OUTSIDE CORNER
A2101 A7101 SCALE: 3" = 1'-0"



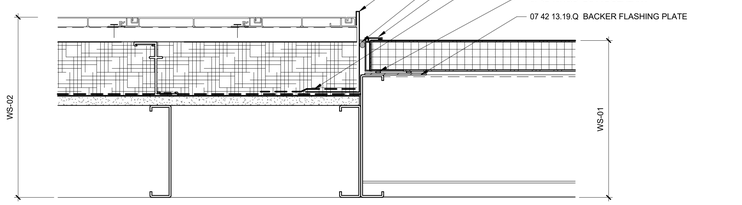
3 INFILL WALL AT XWS-01
A2301 A7101 SCALE: 3" = 1'-0"



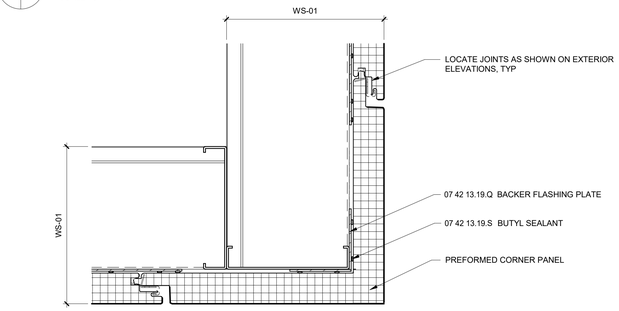
7 HOLDROOM COLUMN ENCLOSURE
A7101 SCALE: 1 1/2" = 1'-0"



5 CONNECTOR TO TERMINAL FRAMING
A2301 A7101 SCALE: 1 1/2" = 1'-0"



2 WS-01 TO WS-02
A7101 SCALE: 3" = 1'-0"



1 TYP IMP OUTSIDE CORNER
A2102 A7101 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

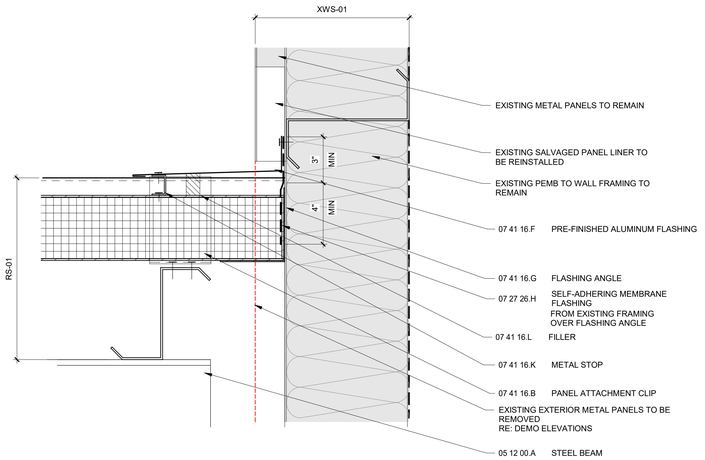
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EXTERIOR PLAN DETAILS

PROJECT #: 20250023

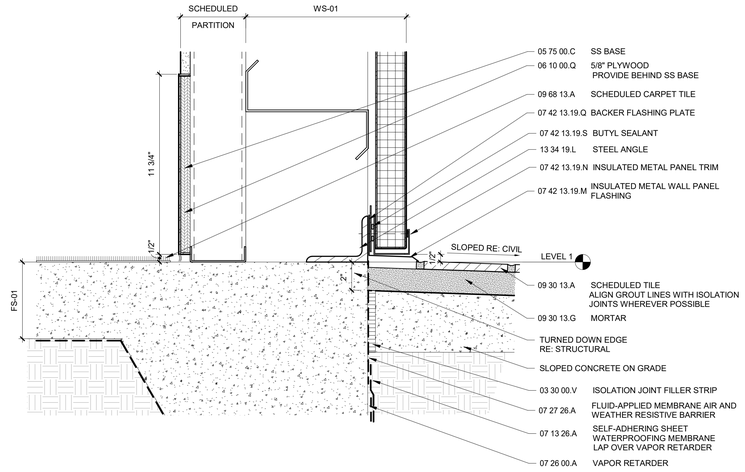
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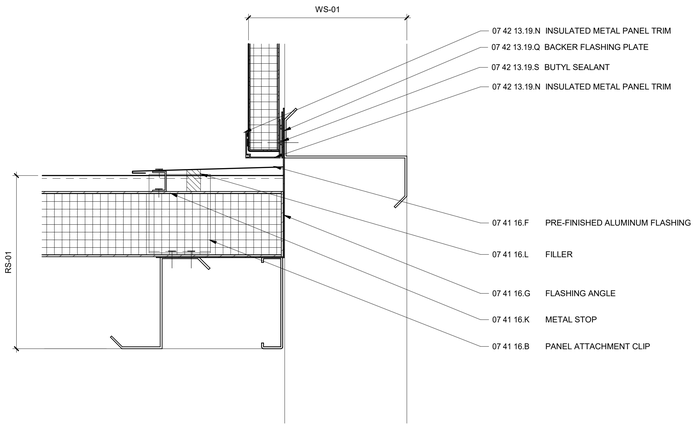
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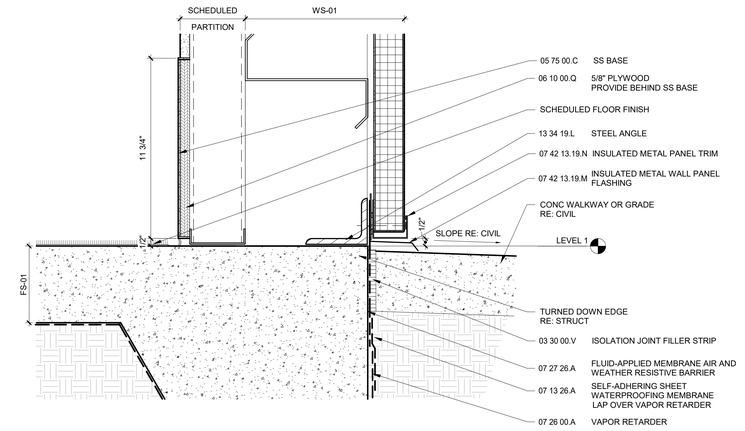
6 XWS-A TO RS-01
A5303 A7151 SCALE: 3" = 1'-0"



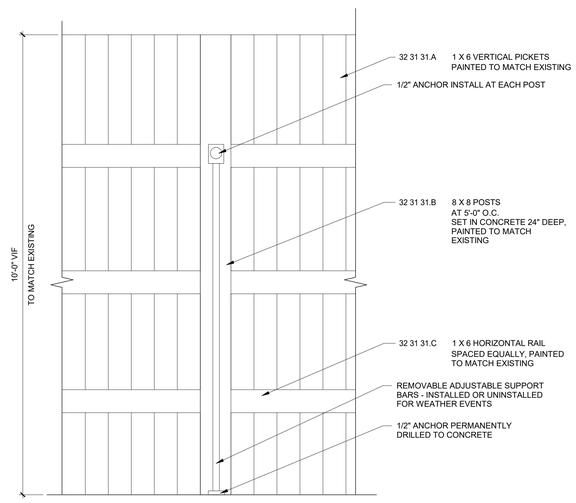
3 WS-01 AT PATIO
A7151 SCALE: 3" = 1'-0"



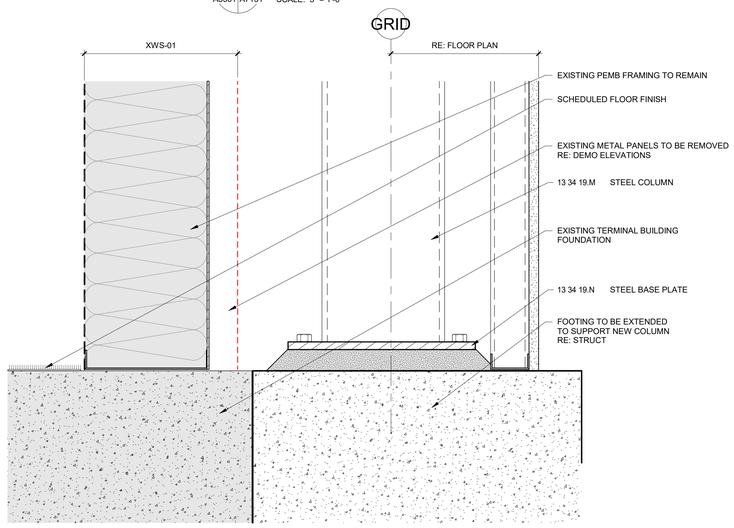
5 WS-01 WALL TO RS-01 ROOF
A5301 A7151 SCALE: 3" = 1'-0"



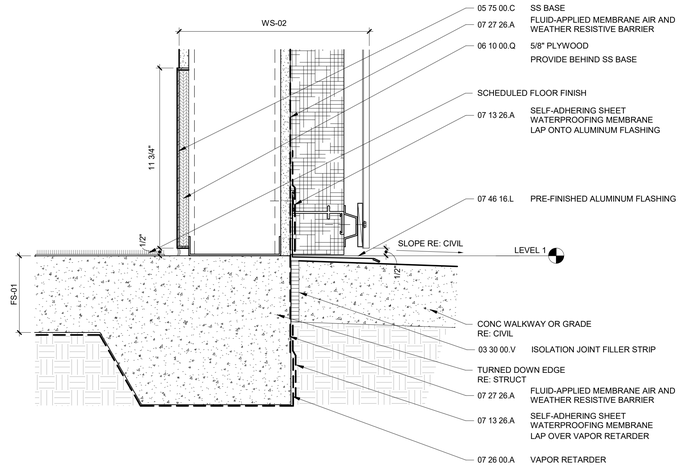
2 WS-01 BASE DETAIL
A5301 A7151 SCALE: 3" = 1'-0"



7 ARHITECTURAL SCREEN FENCE
A7151 SCALE: 3/4" = 1'-0"



4 COLUMN BASE AT CONNECTOR
A5303 A7151 SCALE: 3" = 1'-0"



1 WS-02 BASE DETAIL
A5303 A7151 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
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STATE of ALABAMA COREY J OCHSNER 8819 5/1/2026 REGISTERED ARCHITECT

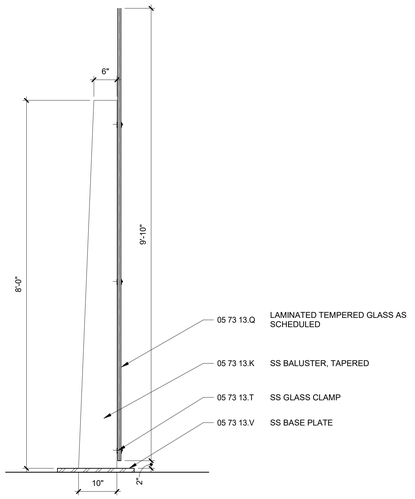
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EXTERIOR SECTION DETAILS

PROJECT #: 20250023

SHEET NUMBER
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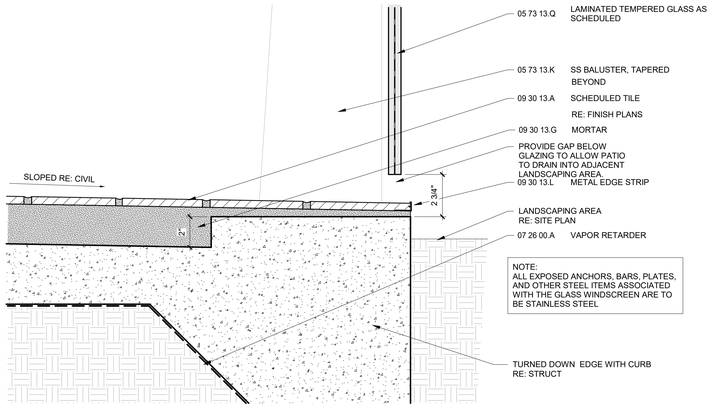
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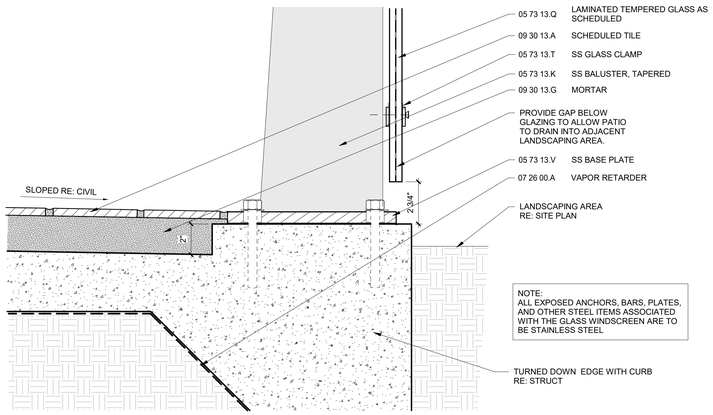
9 SS BALUSTER DETAIL

A7160 SCALE: 3/4" = 1'-0"



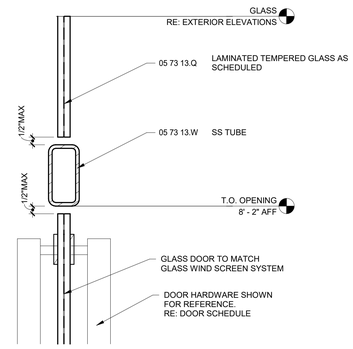
8 PATIO AT WINDSCREEN GLASS

A2102 A7160 SCALE: 3" = 1'-0"



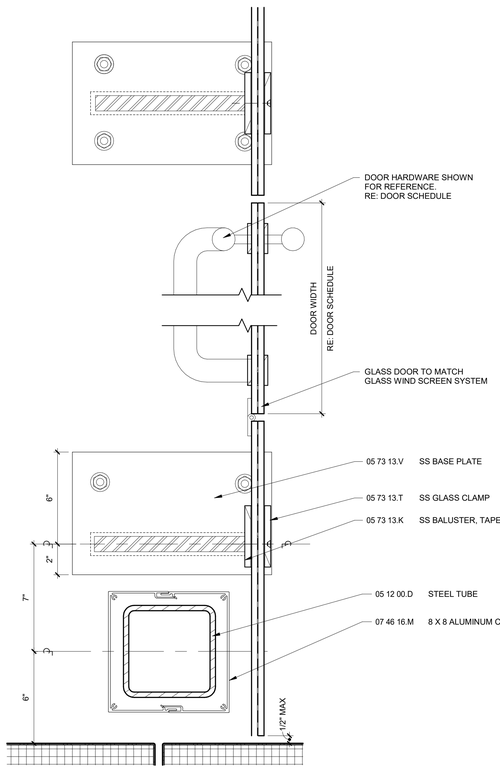
7 PATIO AT WINDSCREEN BALUSTER

A2102 A7160 SCALE: 3" = 1'-0"



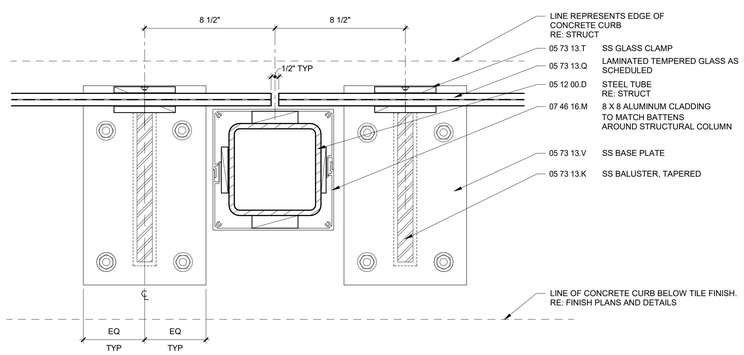
6 HEAD AT WIND SCREEN DOOR

A7160 SCALE: 3" = 1'-0"



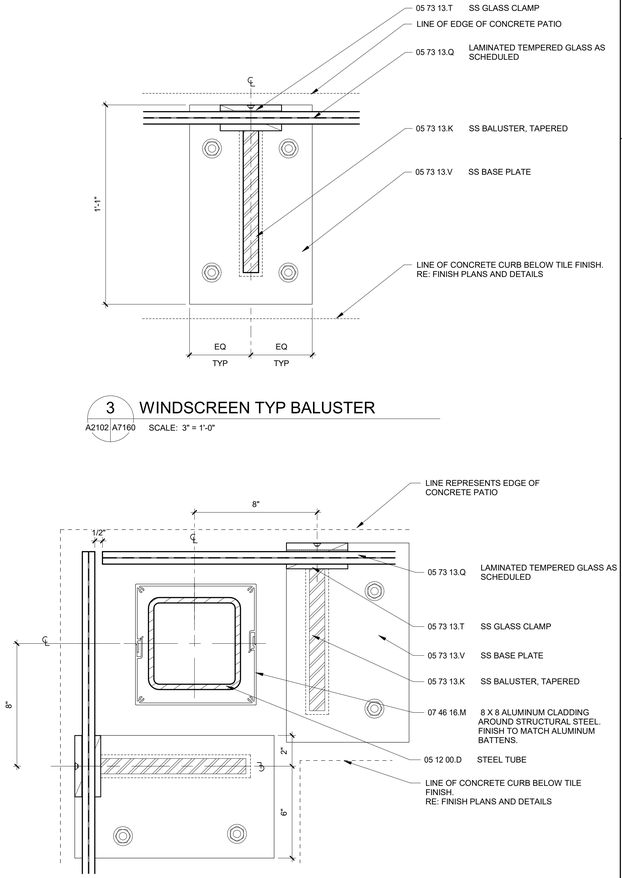
5 PATIO DOOR DETAIL

A2102 A7160 SCALE: 3" = 1'-0"



4 WINDSCREEN MIDDLE

A2102 A7160 SCALE: 3" = 1'-0"

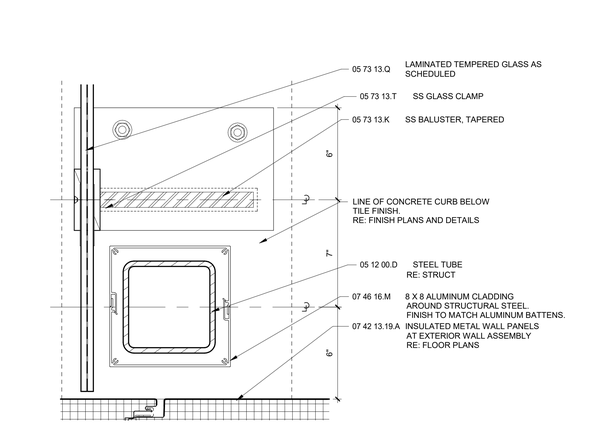


3 WINDSCREEN TYP BALUSTER

A2102 A7160 SCALE: 3" = 1'-0"

2 WINDSCREEN CORNER

A2102 A7160 SCALE: 3" = 1'-0"



1 WINDSCREEN TO EXTERIOR WALL

A2102 A7160 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
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STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
GLASS WINDSCREEN DETAILS

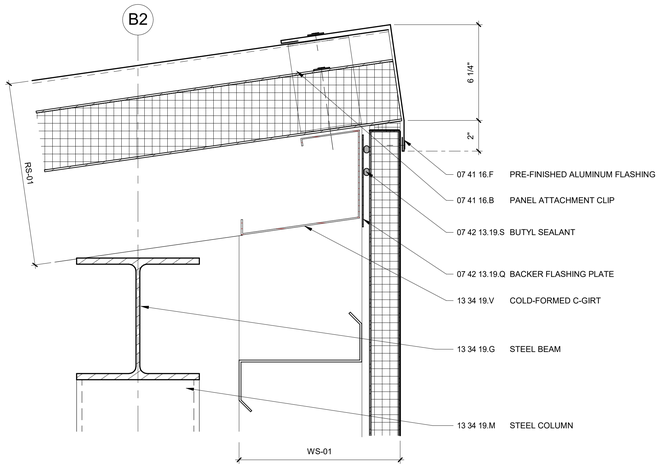
PROJECT #: 20250023

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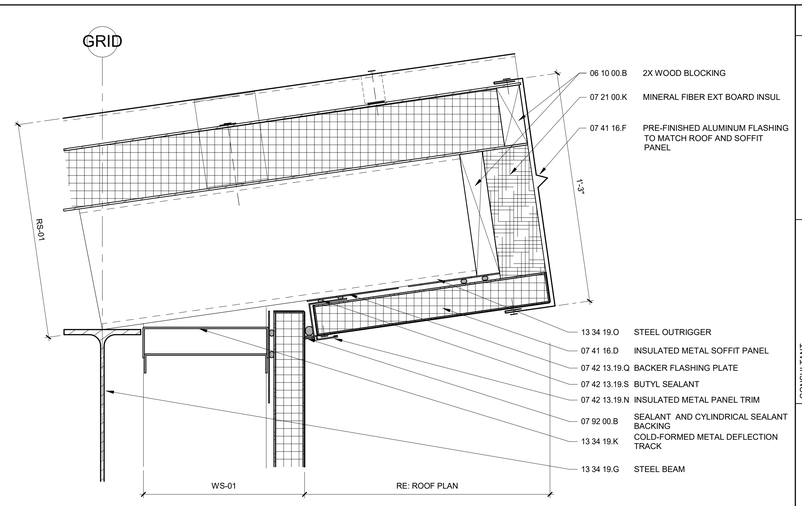
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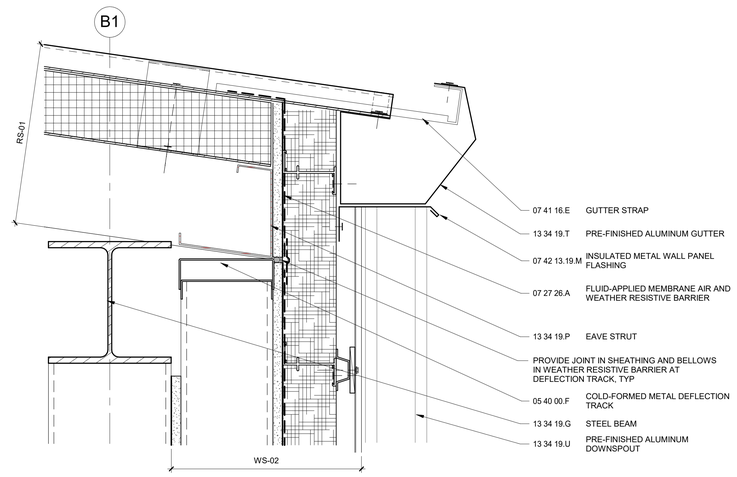
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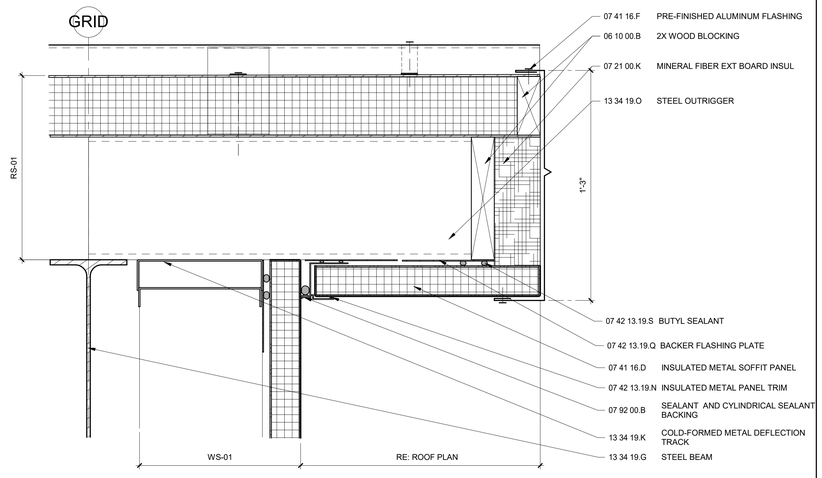
6 CONNECTOR ROOF EAVE
A2005 A7301 SCALE: 3" = 1'-0"



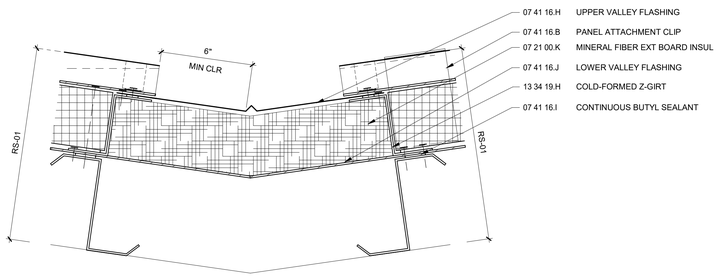
3 HOLDROOM ROOF EAVE
A5302 A7301 SCALE: 3" = 1'-0"



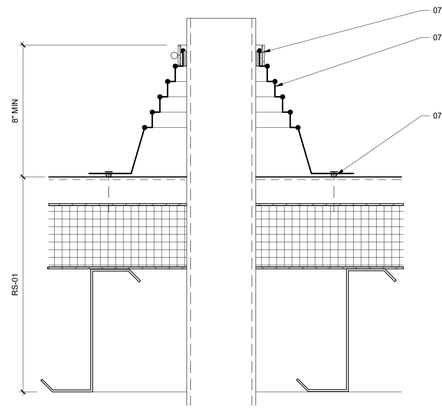
5 CONNECTOR ROOF AT GUTTER
A2005 A7301 SCALE: 3" = 1'-0"



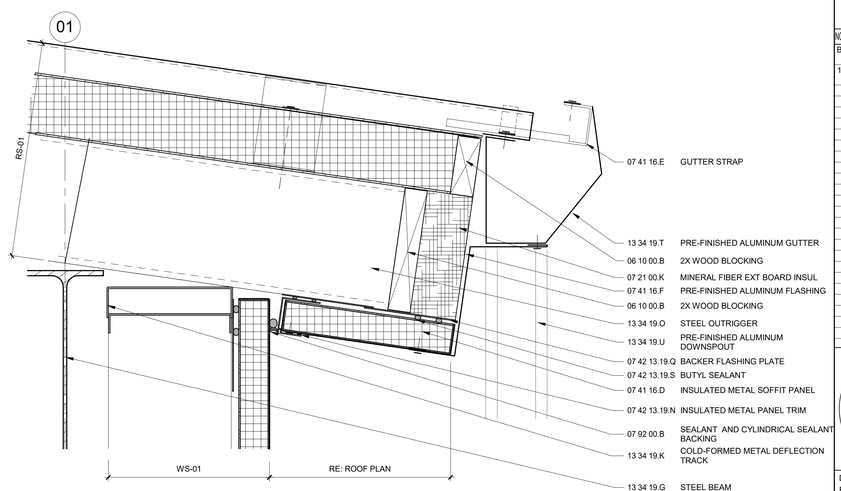
2 HOLDROOM ROOF EAVE
A5301 A7301 SCALE: 3" = 1'-0"



7 ROOF VALLEY
A2005 A7301 SCALE: 3" = 1'-0"



4 TYP PIPE PENETRATIONAT ROOF
A7301 SCALE: 3" = 1'-0"



1 HOLDROOM ROOF AT GUTTER
A5301 A7301 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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STATE of ALABAMA
COREY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

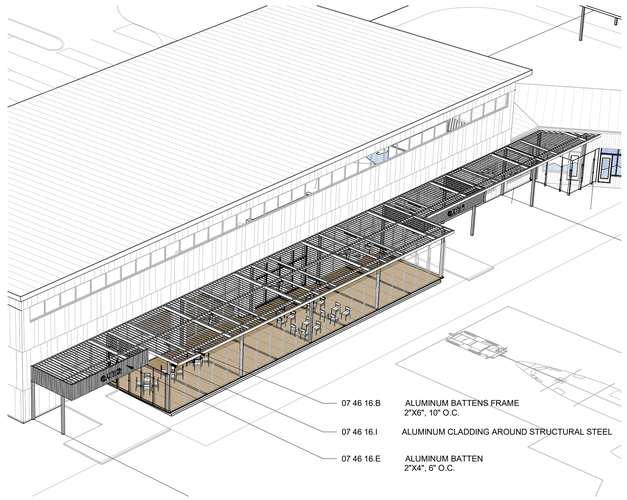
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ROOF DETAILS

PROJECT #: 20250023

SHEET NUMBER
A7301

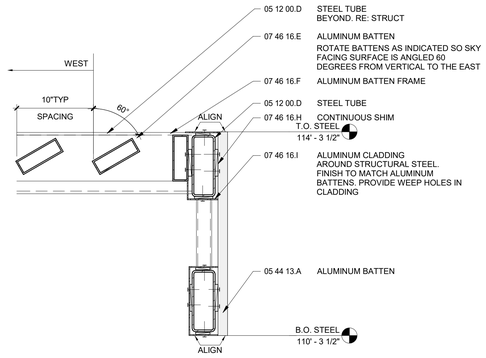
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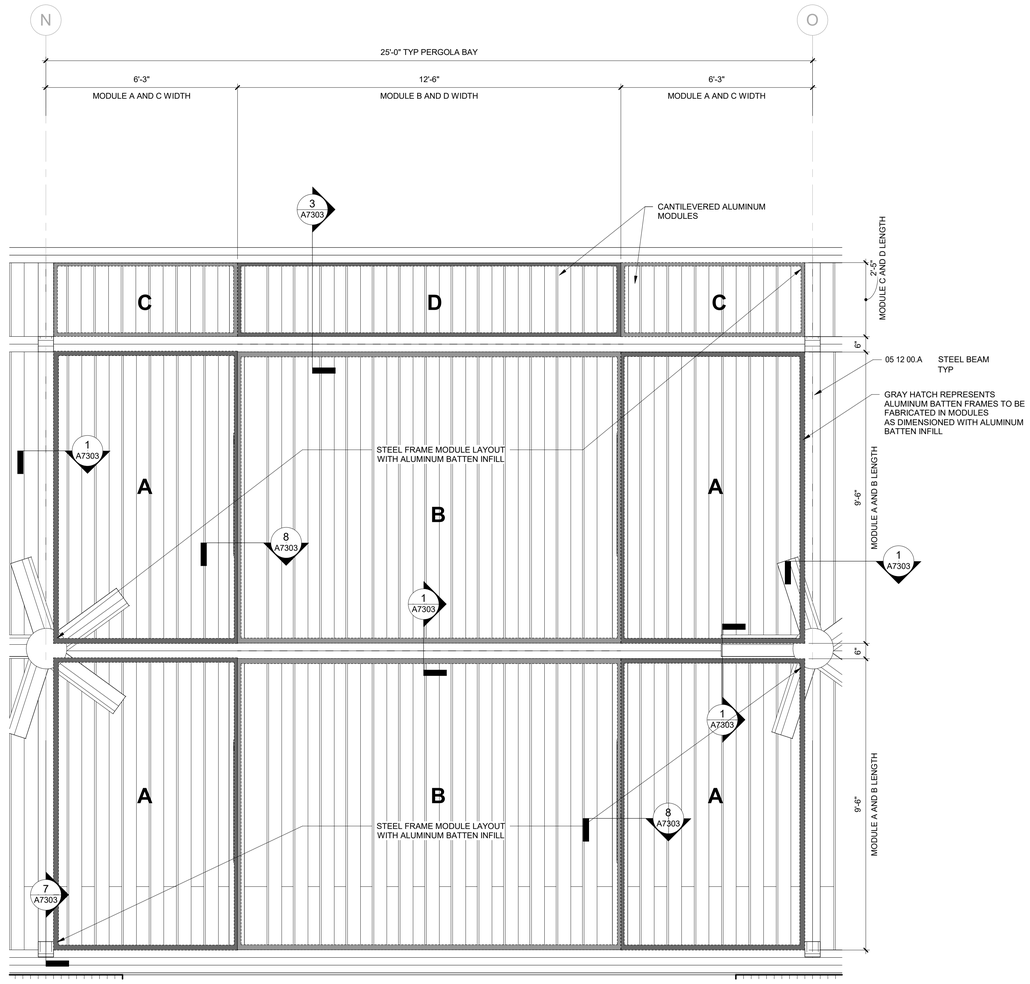
9 EXTERIOR ISOMETRIC - PERGOLA

A7303 SCALE:



6 PERGOLA EAVE

A3102 A7303 SCALE: 1 1/2" = 1'-0"

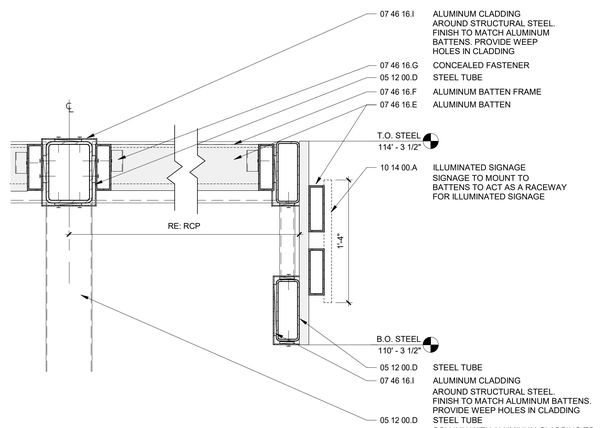


2 PERGOLA BAY LAYOUT ENLARGED PLAN

A3102 A7303 SCALE: 1/2" = 1'-0"

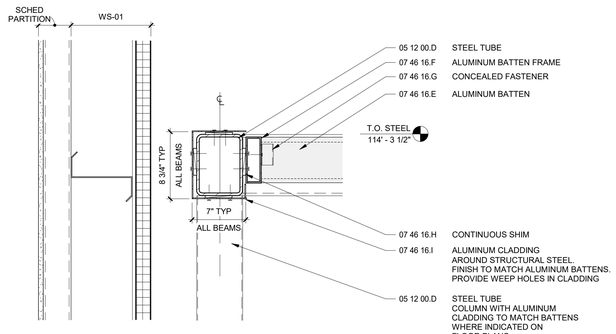
8 LIGHT FIXTURE AT PERGOLA

A7303 A7303 SCALE: 1 1/2" = 1'-0"



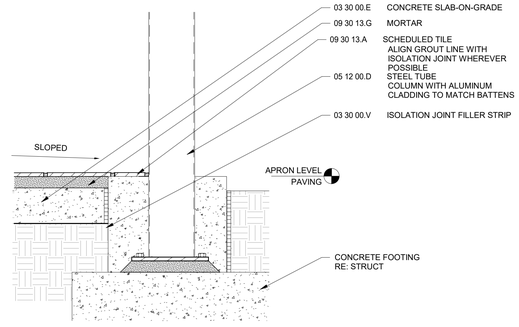
5 PERGOLA AT GATE SIGNAGE

A3102 A7303 SCALE: 1 1/2" = 1'-0"



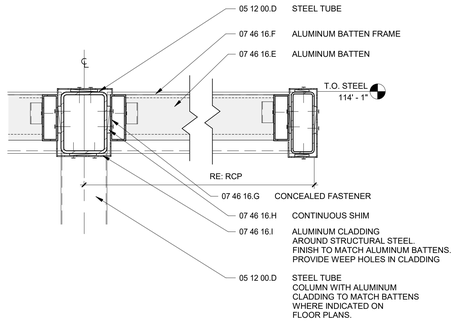
7 PERGOLA EDGE NEAR HOLDROOM

A3102 A7303 SCALE: 1 1/2" = 1'-0"



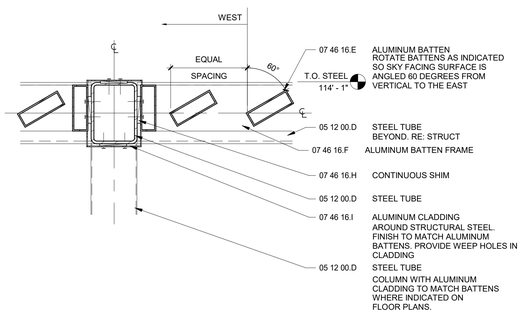
4 FOUNDATION AT PERGOLA

A2102 A7303 SCALE: 1 1/2" = 1'-0"



3 PERGOLA CANTILEVER DETAIL

A7303 A7303 SCALE: 1 1/2" = 1'-0"



1 COLUMN CONNECTION AT PERGOLA

A7303 A7303 SCALE: 1 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA · COREY J OCHSNER · 8819 · REGISTERED ARCHITECT
5/1/2026

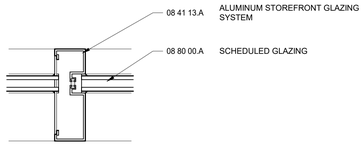
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PROJECT #: 20250023

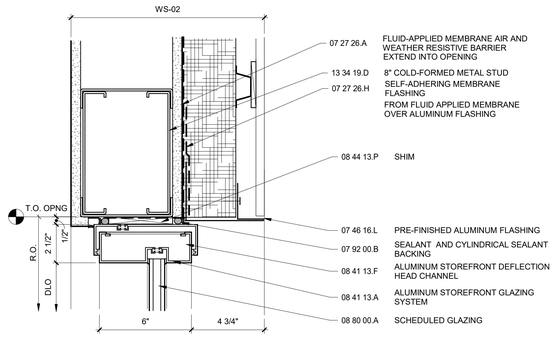
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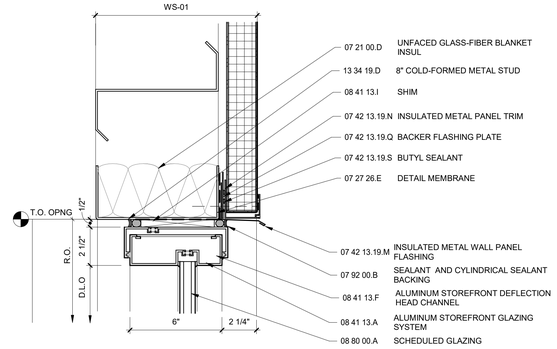
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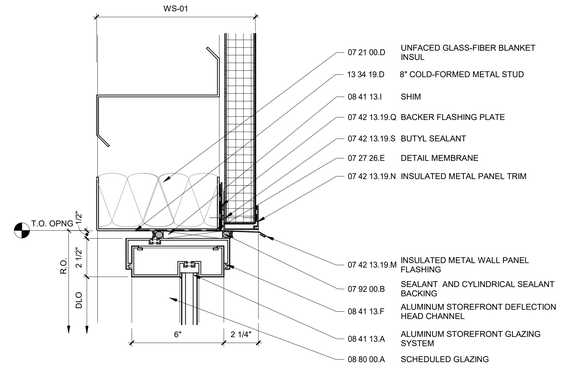
13 STOREFRONT MULLION
A7401 SCALE: 3" = 1'-0"



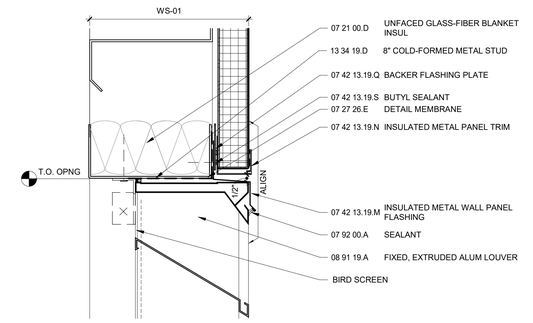
12 STOREFRONT AT WS-02
A5103 A7401 SCALE: 3" = 1'-0"



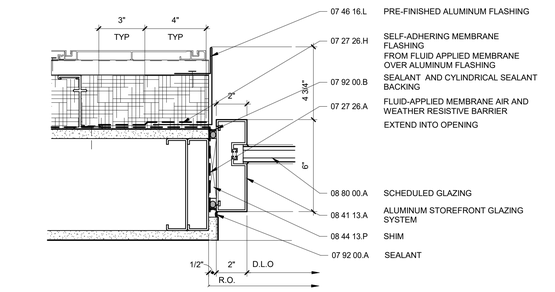
9 STOREFRONT HEAD WS-01
A5302 A7401 SCALE: 3" = 1'-0"



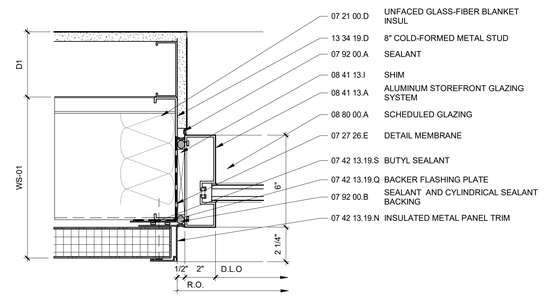
6 CLERESTORY HEAD AT WS-01
A5102 A7401 SCALE: 3" = 1'-0"



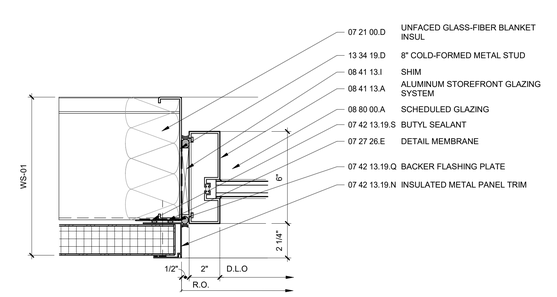
3 LOUVER HEAD AT WS-01
A5103 A7401 SCALE: 3" = 1'-0"



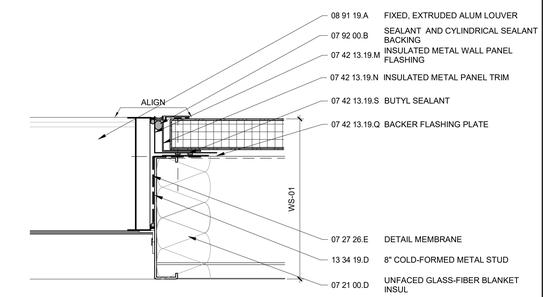
11 STOREFRONT JAMB AT WS-02
A2102 A7401 SCALE: 3" = 1'-0"



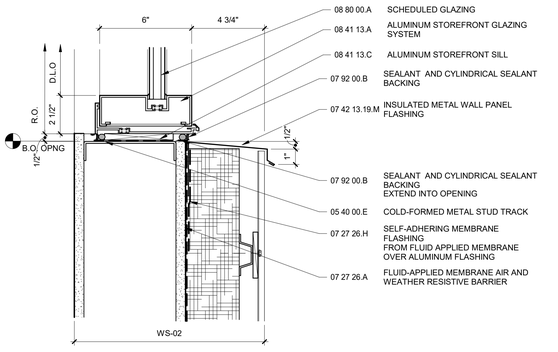
8 STOREFRONT JAMB AT WS-01
A2102 A7401 SCALE: 3" = 1'-0"



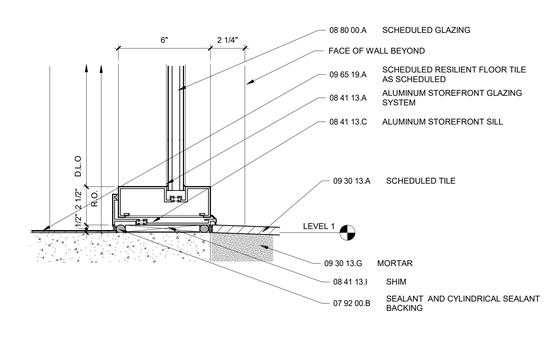
5 CLERESTORY JAMB AT WS-01
A2102 A7401 SCALE: 3" = 1'-0"



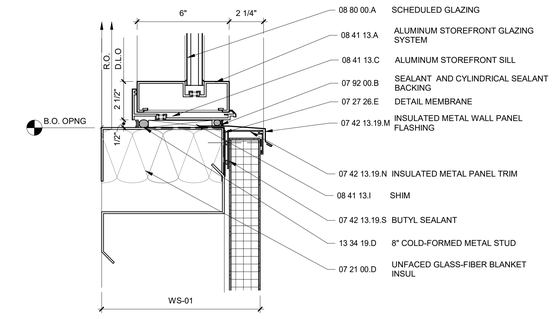
2 LOUVER JAMB AT WS-01
A2102 A7401 SCALE: 3" = 1'-0"



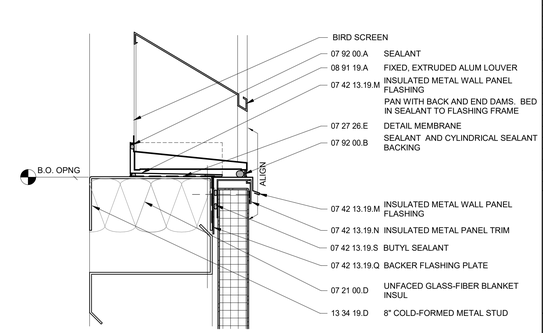
10 STOREFRONT SILL AT WS-02
A5103 A7401 SCALE: 3" = 1'-0"



7 STOREFRONT SILL AT LEVEL 1
A5102 A7401 SCALE: 3" = 1'-0"



4 CLERESTORY SILL AT WS-01
A5102 A7401 SCALE: 3" = 1'-0"



1 LOUVER SILL AT WS-01
A5103 A7401 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

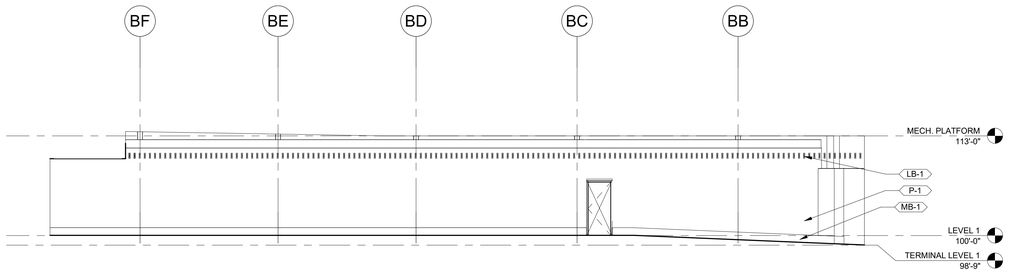
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PROJECT #: 20250023

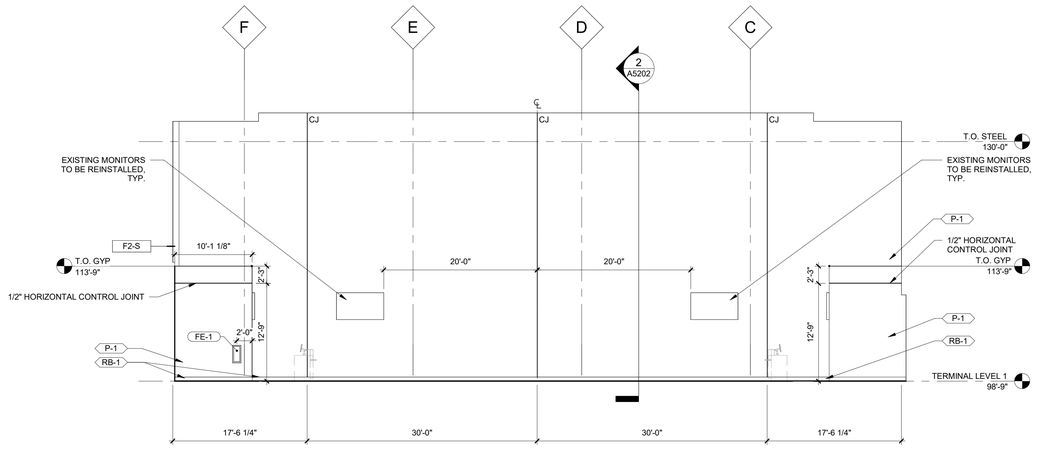
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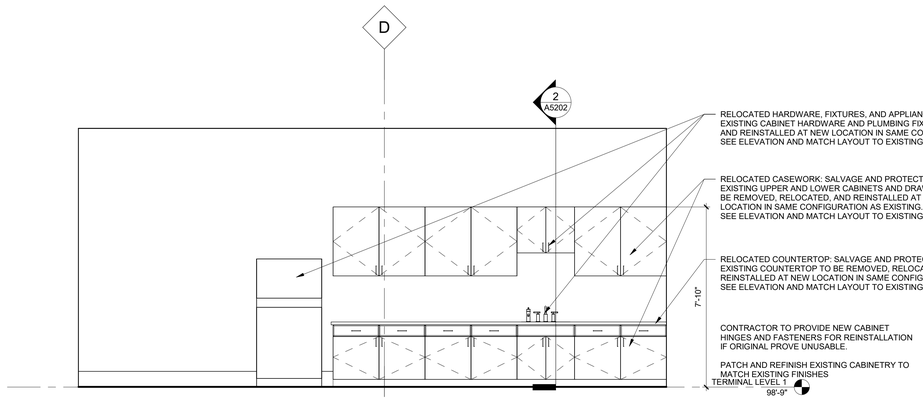
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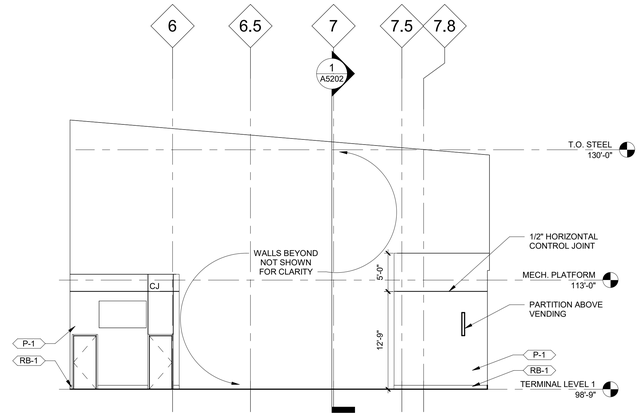
6 CONNECTOR SOUTH ELEVATION
A2102 A8101 SCALE: 1/8" = 1'-0"



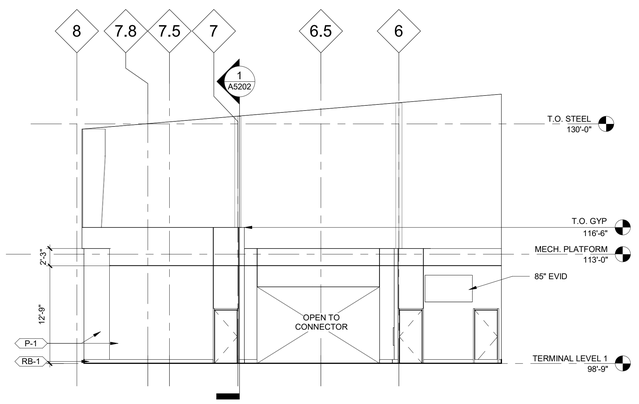
3 BAGGAGE CLAIM SOUTH ELEVATION
A2101 A8101 SCALE: 1/8" = 1'-0"



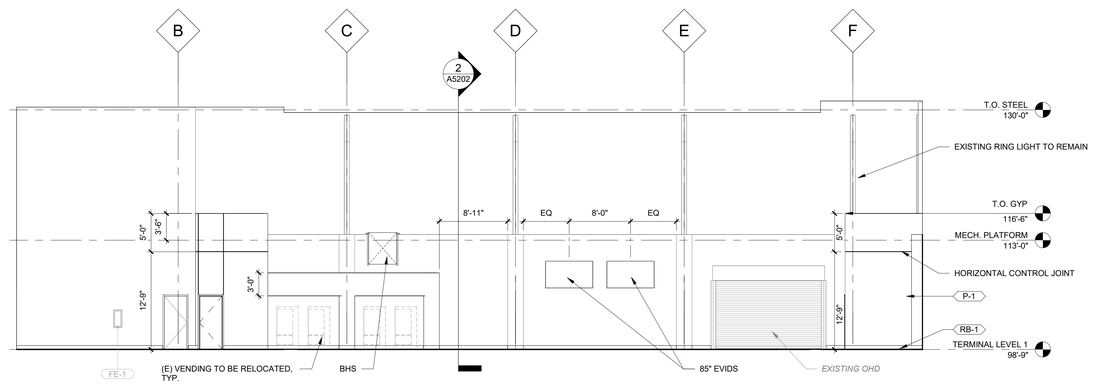
5 TSA TRAINING BREAKROOM
A2101 A8101 SCALE: 3/8" = 1'-0"



2 BAGGAGE CLAIM WEST ELEVATION
A2101 A8101 SCALE: 1/8" = 1'-0"



4 BAGGAGE CLAIM EAST ELEVATION
A2101 A8101 SCALE: 1/8" = 1'-0"



1 BAGGAGE CLAIM NORTH ELEVATION
A2101 A8101 SCALE: 1/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

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B	DESIGN DEVELOPMENT	02/27/2026
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STATE of ALABAMA
CORY J. OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

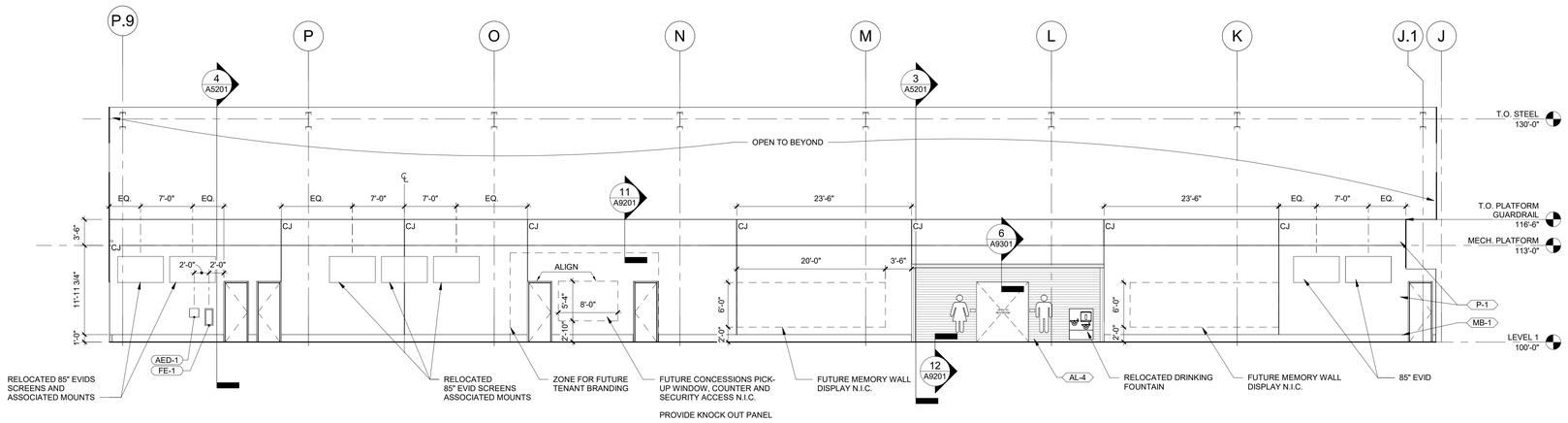
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INTERIOR ELEVATIONS

PROJECT #: 20250023

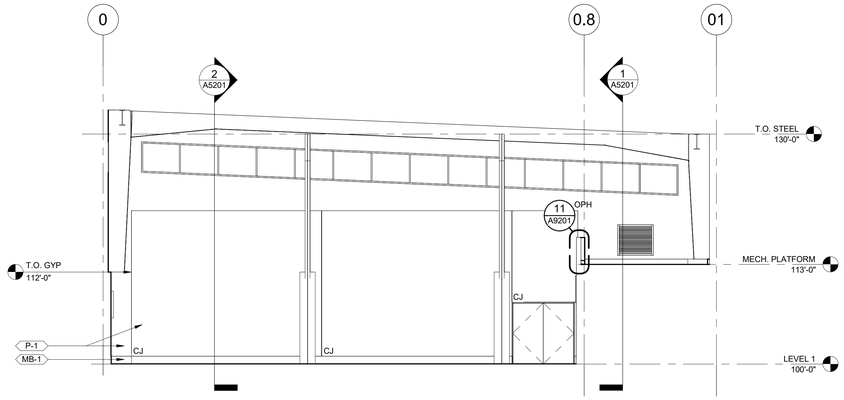
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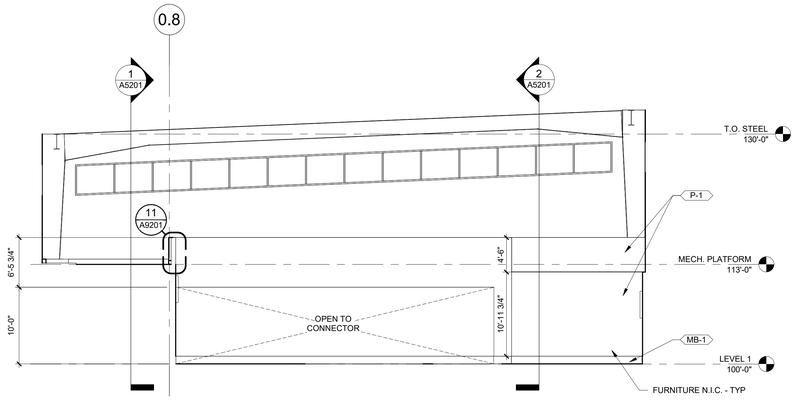
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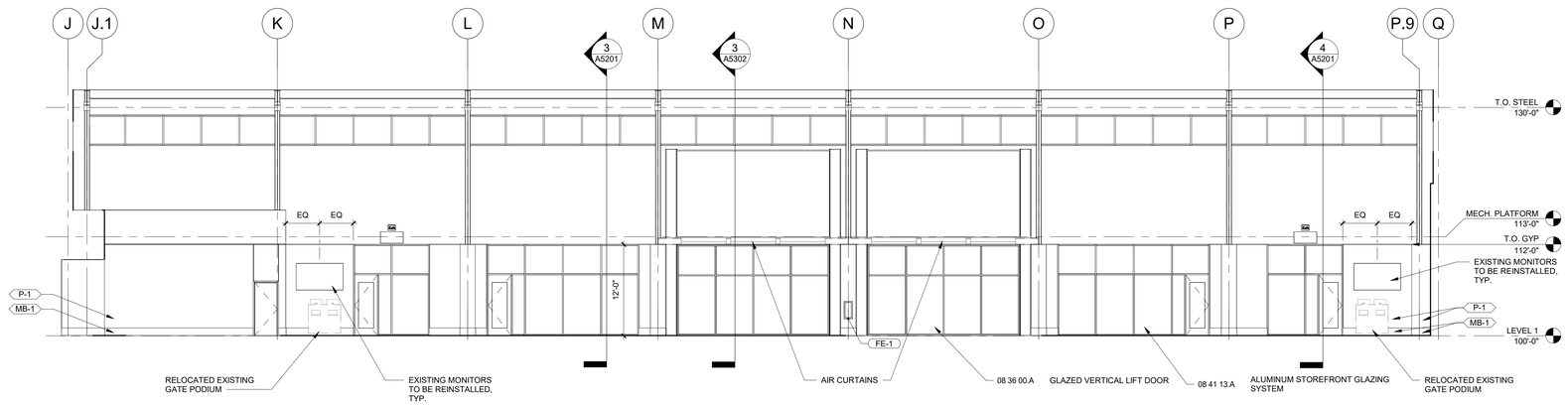
3 A2102 A8102 HOLDROOM SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



4 A2102 A8102 HOLDROOM EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 A2102 A8102 HOLROOM WEST ELEVATION
SCALE: 1/8" = 1'-0"



1 A2102 A8102 HOLDROOM NORTH ELEVATION
SCALE: 1/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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COREY T. OCHSNER
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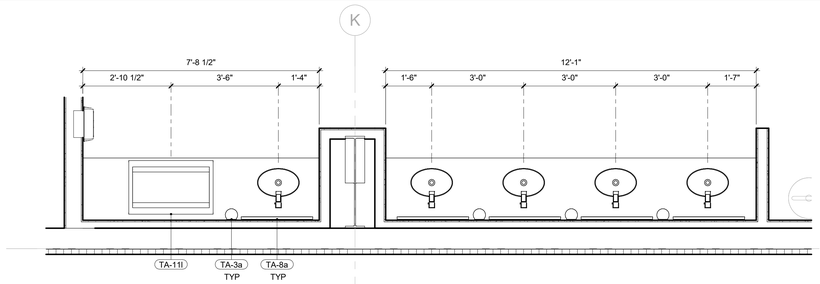
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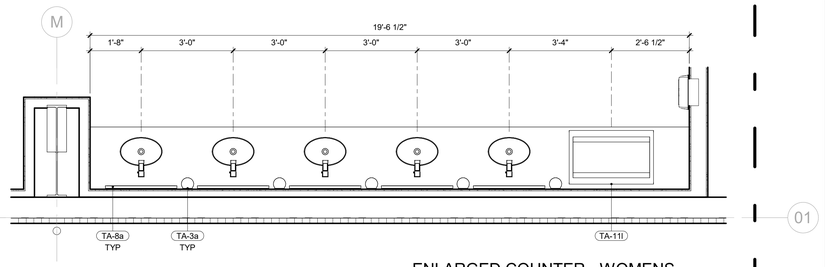
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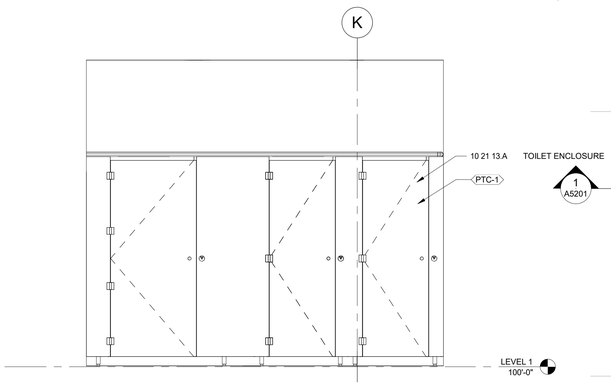
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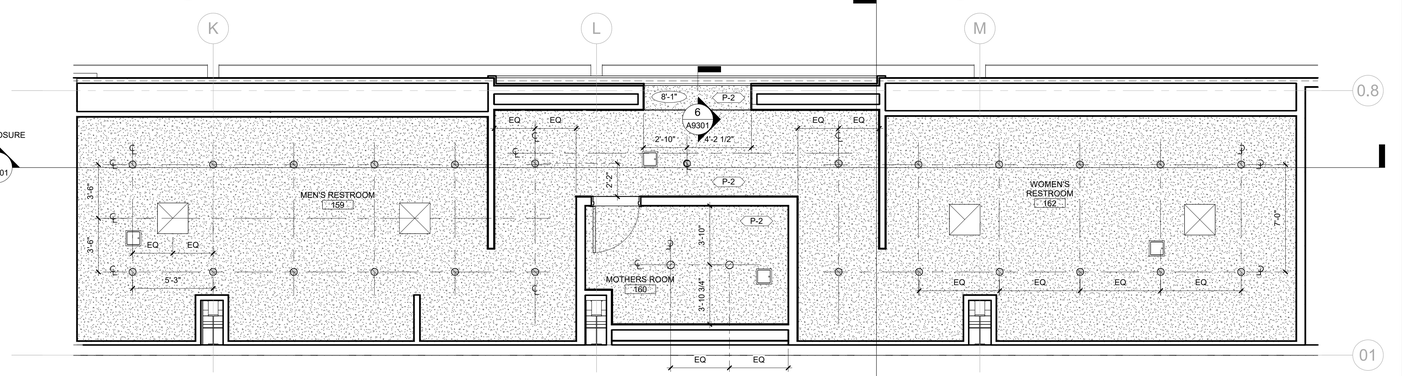
5 ENLARGED COUNTERTOP - MENS RESTROOM
A8201 A8201 SCALE: 1/2" = 1'-0"



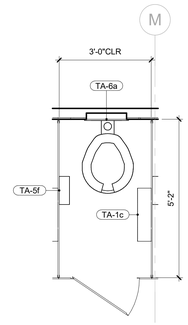
4 ENLARGED COUNTER - WOMENS RESTROOM
A8201 A8201 SCALE: 1/2" = 1'-0"



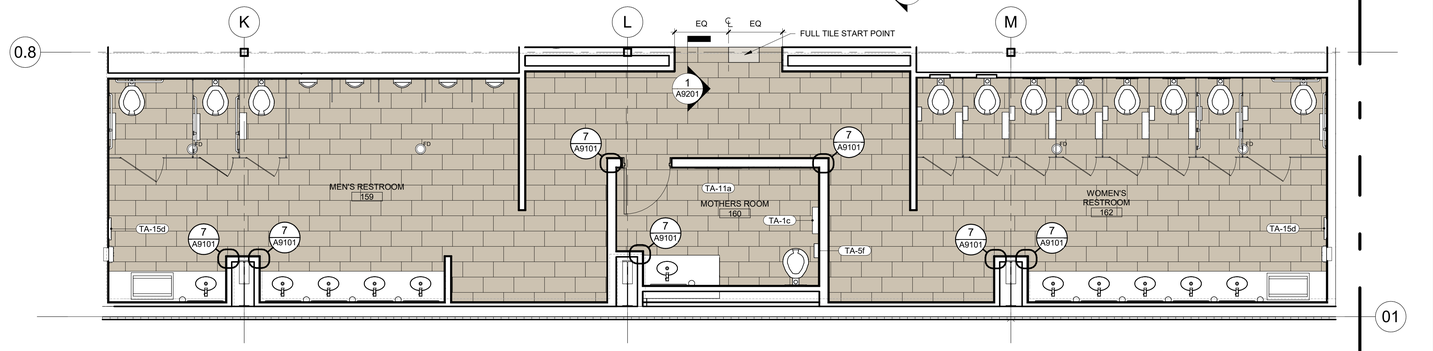
8 TOILET PARTITION ELEVATION - TYP
A8201 A8201 SCALE: 1/2" = 1'-0"



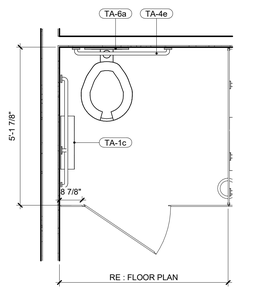
3 ENLARGED RCP - RESTROOM
A8201 SCALE: 1/4" = 1'-0"



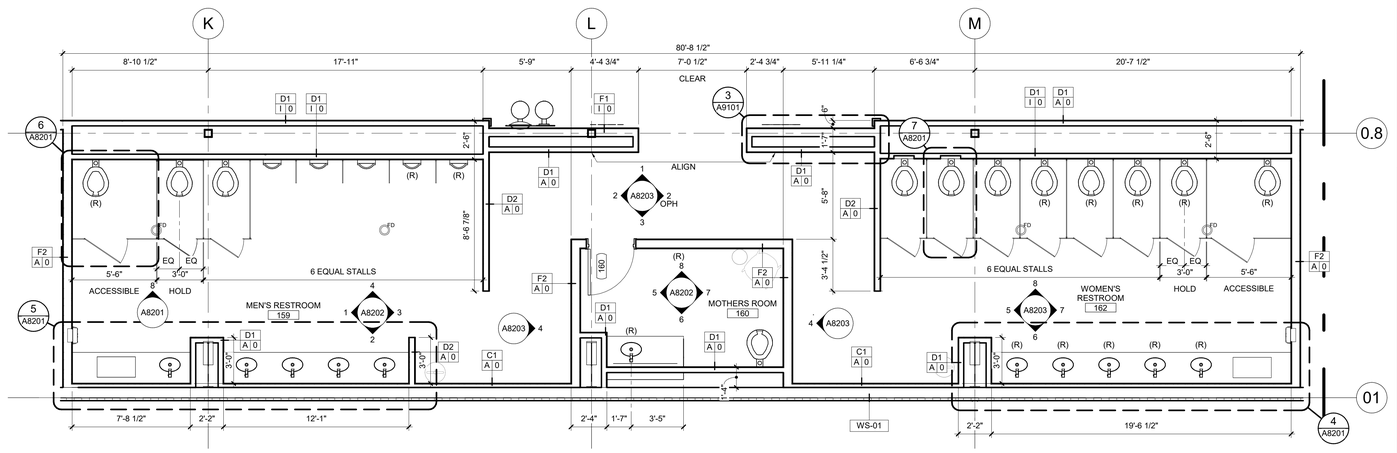
7 ENLARGED FLOOR PLAN - TYP STALL
A8201 A8201 SCALE: 1/2" = 1'-0"



2 ENLARGED FLOOR FINISH PLAN - RESTROOM
A4001 A8201 SCALE: 1/4" = 1'-0"



6 ENLARGED FLOOR PLAN - ACCESSIBLE STALL
A8201 A8201 SCALE: 1/2" = 1'-0"



1 ENLARGED FLOOR PLAN - RESTROOM
A2102 A8201 SCALE: 1/4" = 1'-0"

FINISH NOTES

1. REFER TO GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SHEETS FOR ADDITIONAL INFORMATION.
2. 12"H STAINLESS STEEL WALL BASE TO BE INSTALLED THROUGHOUT PUBLIC FACING AREAS, EXCEPT AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS. WALL BASE AT RESTROOM PORCELAIN FLOOR FINISH LOCATIONS TO BE 1"H STAINLESS STEEL COVE BASE. JANITORIAL WALL BASE TO BE 6" RUBBER BASE.
3. PROVIDE TRANSITION STRIPS AT NEW FLOORING LOCATIONS.
4. REPLACE EXISTING BASE WITH RB-1 AT ALL LOCATIONS WHERE NEW CARPET IS BEING INSTALLED WITHIN THE EXISTING TERMINAL BUILDING.
5. TILE TO BE CENTERED IN ROOM UNO. IF TILE AT ROOM PERIMETER IS LESS THAN HALF A TILE DURING TEST FIT, CENTER TILE JOINT IN ROOM TP SEE IF THE RESULT ALLOWS FOR A LARGER TILE. INSTALL THE LARGER SOLUTION.
6. FINISH FLOORING TO BE INSTALLED UNDER ALL NEW OR RELOCATED CASEWORK AND EQUIPMENT.
7. CT-1 AND CT-2 TILE LAYOUT ON FINISH PLANS IS REPRESENTATIONAL. MANUFACTURER TO PROVIDE SHOP DRAWINGS WITH CARPET TILE LAYOUT FOR CT-1 AND CT-2 FOR ARCHITECT APPROVAL PRIOR TO INSTALLATION.

RCP NOTES

1. EXCEPT AS NOTED OTHERWISE, ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH THE LOCATIONS OF ALL VISIBLE CEILING DEVICES INCLUDING, BUT NOT LIMITED TO, LIGHTS, DIFFUSERS, SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, ETC. NOTIFY THE ARCHITECT OF ANY DIFFERENCE BETWEEN ARCHITECTURAL REFLECTED CEILING PLANS AND MECHANICAL, ELECTRICAL OR SPECIAL SYSTEMS PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
2. LOCATE LIGHT FIXTURES, DIFFUSERS, SMOKE DETECTORS AND OTHER CEILING MOUNTED DEVICES IN THE CENTER OF CEILING TILES AS SHOWN. OPTION WHERE 2' X 4' CEILING TILE IS SCORED TO LOOK LIKE 2' X 2' TILE, DEVICES ARE TO BE CENTERED IN THE APPARENT 2' X 2' TILE.
3. WHERE SPRINKLER HEADS ARE SHOWN, THEY REPRESENT THE MINIMUM NUMBER TO BE PROVIDED AND THE ARCHITECT'S PREFERRED LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE SPRINKLERS IN COMPLIANCE WITH ALL APPLICABLE CODES. IF ADDITIONAL HEADS ARE REQUIRED TO MEET CODE THEY SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
4. REFER TO SPECIFICATION SECTION 01 3150 - PROJECT COORDINATION FOR REQUIREMENTS REGARDING THE PREPARATION OF CEILING PLENUM COORDINATION DRAWINGS AND INTERFERENCE DRAWINGS.
5. CENTER CEILING GRID IN ROOM UNLESS OTHERWISE NOTED.
6. ALL CEILINGS HEIGHTS TO BE **10'** A.F.F. UNLESS OTHERWISE NOTED
7. ALL LIGHT FIXTURES IN THE HOLDROOM TO BE **19' 6"** A.F.F. UNLESS OTHERWISE NOTED
8. ALL EXPOSED STRUCTURE, UNDERSIDE OF ROOF, EXPOSED DUCT WORK, AND CONDUITS TO BE PAINTED TO MATCH EXISTING TERMINAL BUILDING EXPOSED STRUCTURAL ELEMENTS.

RCP SYMBOLS

- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SUSPENDED LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- RECESSED DOWNLIGHT
- LINEAR DIFFUSER
- COVE LIGHT FIXTURE
- NOZZLE DIFFUSER
- SQUARE SUPPLY DIFFUSER
- SQUARE EXHAUST DIFFUSER
- SQUARE RETURN DIFFUSER
- SPEAKER
- FIRE ALARM STROBE
- SPRINKLER HEAD
- EXTERIOR DOWNLIGHT
- PENDANT LIGHT
- FAN

RCP LEGEND

AC-1 P-2 LB-1

FLOOR FINISHES

CT-2 CT-3 CT-1 LVP-1 PFT-1 PFT-2 RF-1 SDT-1 SC-1

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
CORLEY T OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

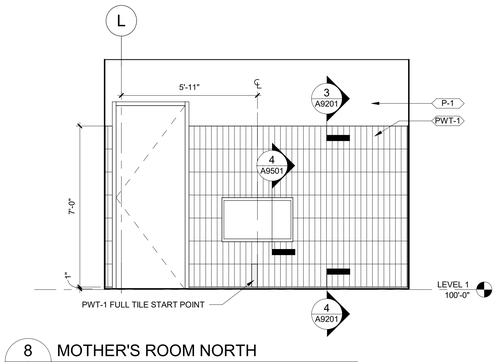
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PROJECT #: 20250023

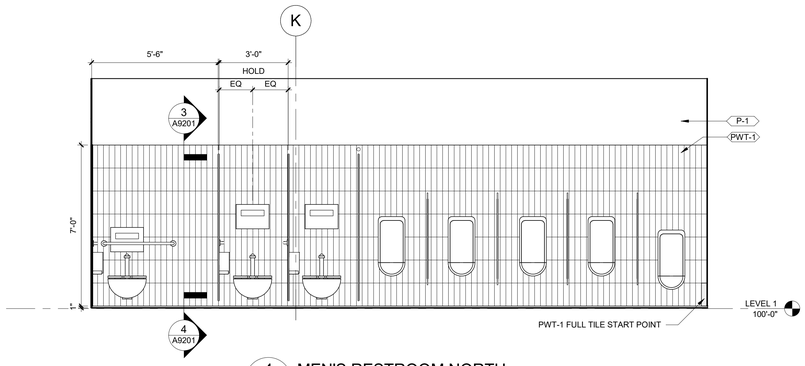
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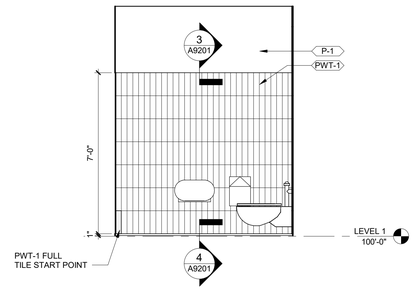
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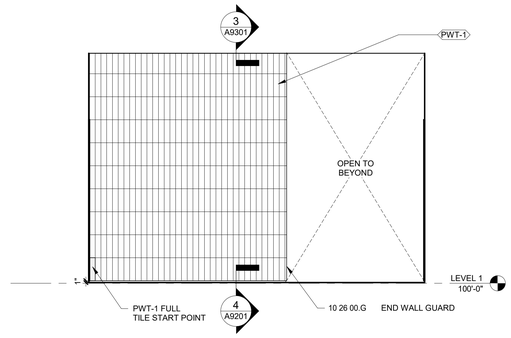
8 MOTHER'S ROOM NORTH
A8201 A8202 SCALE: 3/8" = 1'-0"



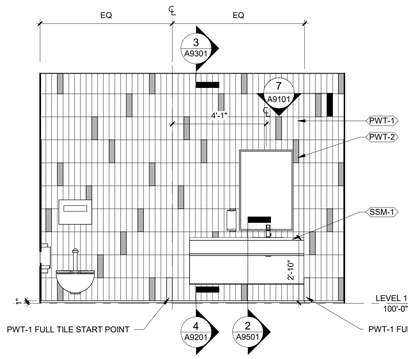
4 MEN'S RESTROOM NORTH
A8201 A8202 SCALE: 3/8" = 1'-0"



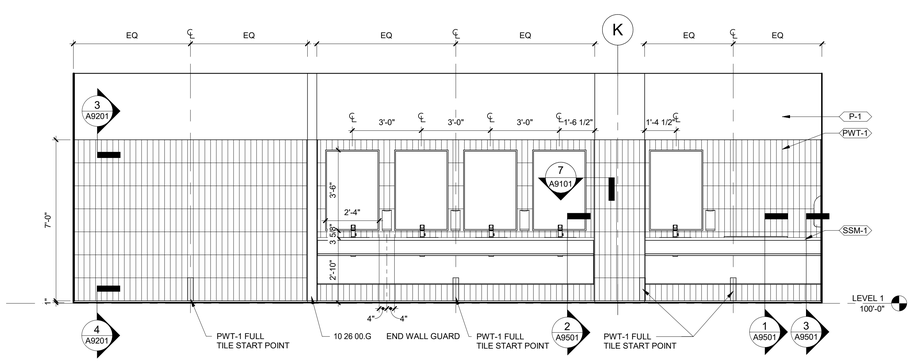
7 MOTHER'S ROOM EAST
A8201 A8202 SCALE: 3/8" = 1'-0"



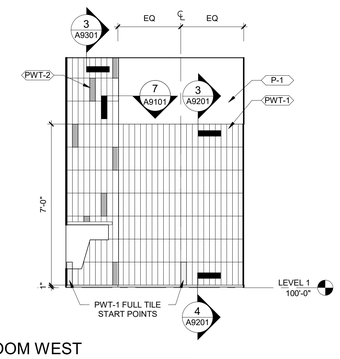
3 MEN'S RESTROOM EAST
A8201 A8202 SCALE: 3/8" = 1'-0"



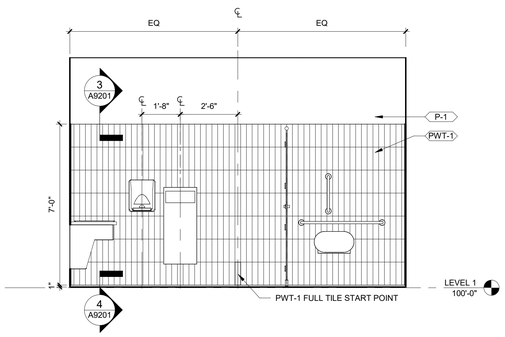
6 MOTHER'S ROOM SOUTH
A8201 A8202 SCALE: 3/8" = 1'-0"



2 MEN'S RESTROOM SOUTH
A8201 A8202 SCALE: 3/8" = 1'-0"



5 MOTHER'S ROOM WEST
A8201 A8202 SCALE: 3/8" = 1'-0"



1 MENS RESTROOM WEST
A8201 A8202 SCALE: 3/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
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1155 COMMERCE DR, GULF SHORES, AL 36542

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COREY J OCHSNER
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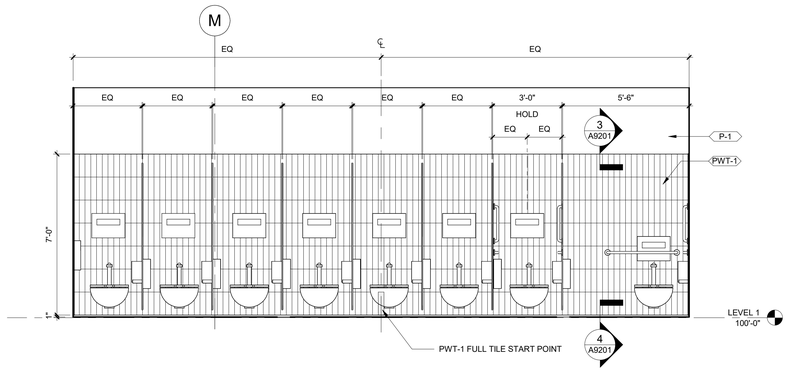
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TOILET ROOM INTERIOR ELEVATIONS

PROJECT #: 20250023

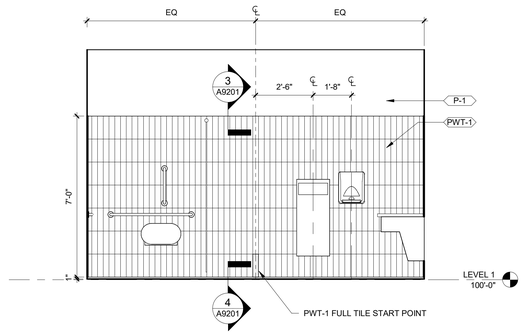
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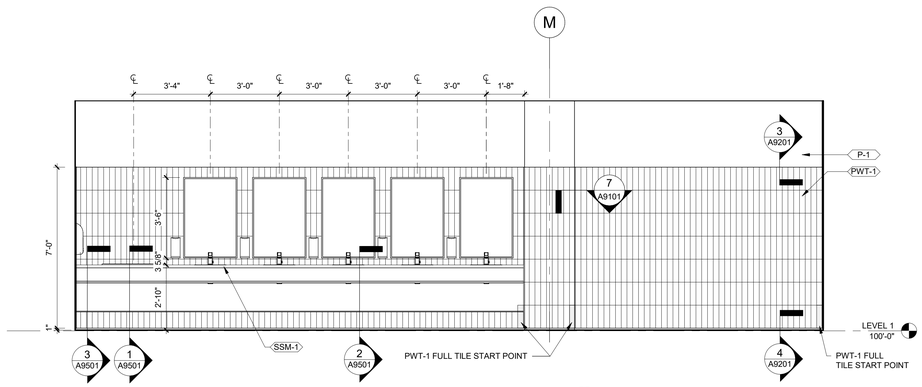
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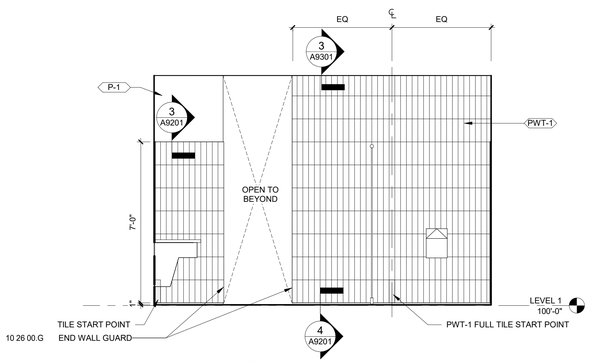
8 WOMEN'S RESTROOM NORTH
A8201 A8203 SCALE: 3/8" = 1'-0"



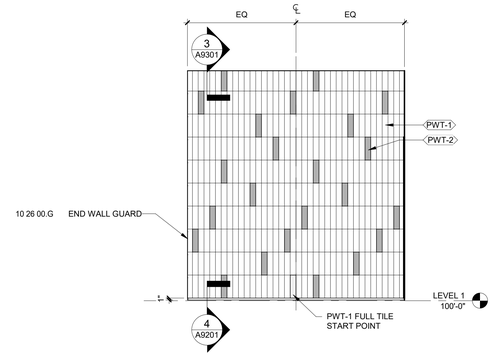
7 WOMEN'S RESTROOM EAST
A8201 A8203 SCALE: 3/8" = 1'-0"



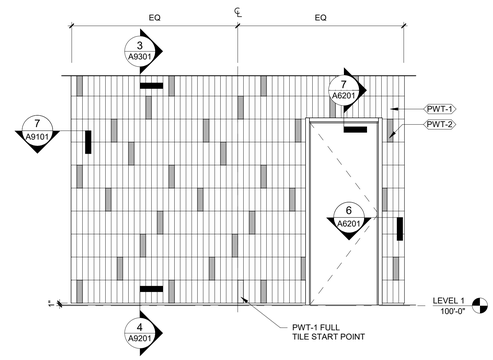
6 WOMEN'S RESTROOM SOUTH
A8201 A8203 SCALE: 3/8" = 1'-0"



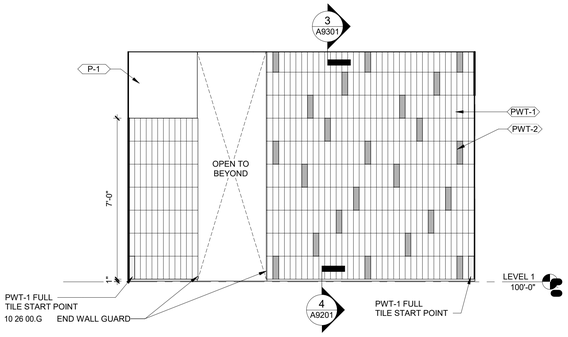
5 WOMEN'S RESTROOM WEST
A8201 A8203 SCALE: 3/8" = 1'-0"



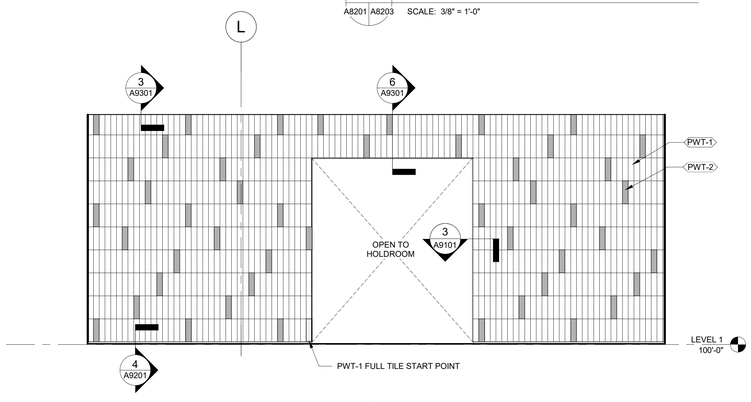
4 MOTHER'S ROOM EXTERIOR SIDE WALLS
A8201 A8203 SCALE: 3/8" = 1'-0"



3 RESTROOM ENTRY SOUTH
A8201 A8203 SCALE: 3/8" = 1'-0"



2 RESTROOM ENTRIES WEST AND EAST
A8201 A8203 SCALE: 3/8" = 1'-0"



1 RESTROOM ENTRY NORTH
A8201 A8203 SCALE: 3/8" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
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1155 COMMERCE DR, GULF SHORES, AL 36542

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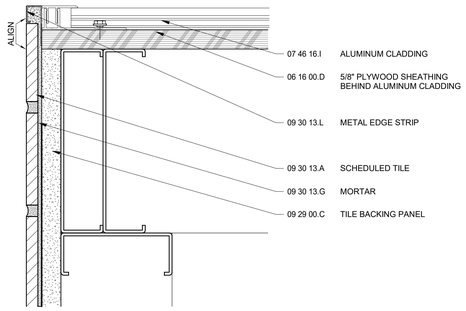
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PROJECT #: 20250023

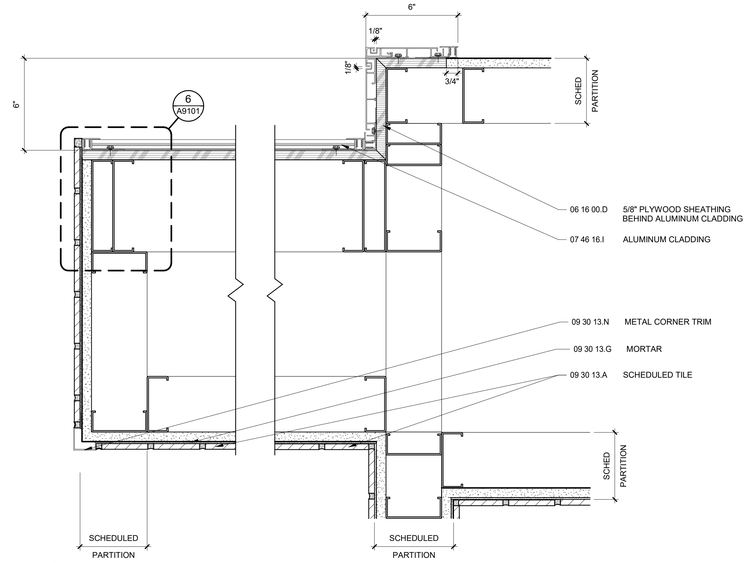
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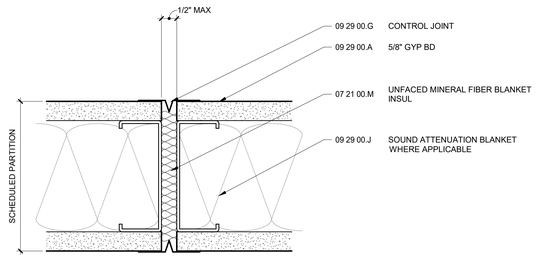
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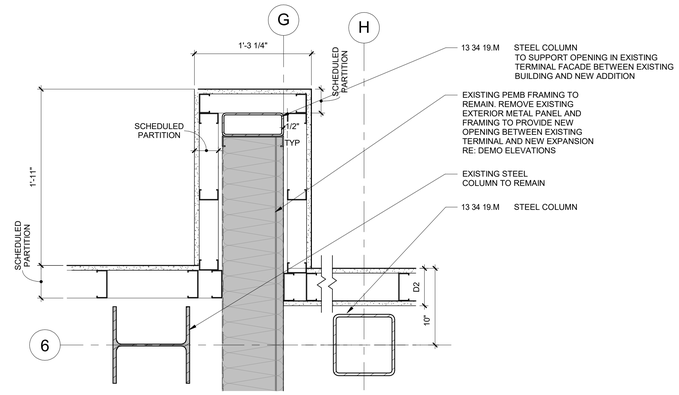
6 JAMB CORNER AT RESTROOM ENTRY
A9101 SCALE: 6" = 1'-0"



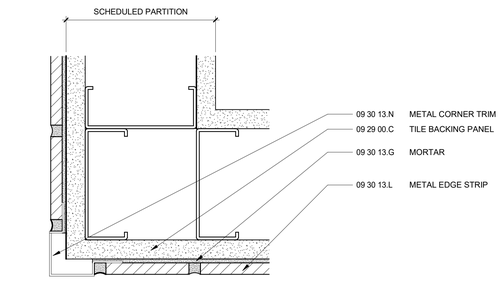
3 JAMB DETAIL AT RESTROOM ENTRY
A8201 A9101 SCALE: 3" = 1'-0"



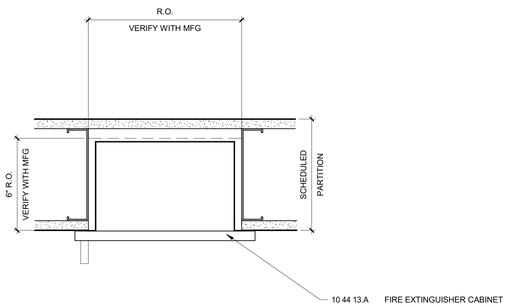
5 TYP CONTROL JOINT DETAIL
A9101 SCALE: 6" = 1'-0"



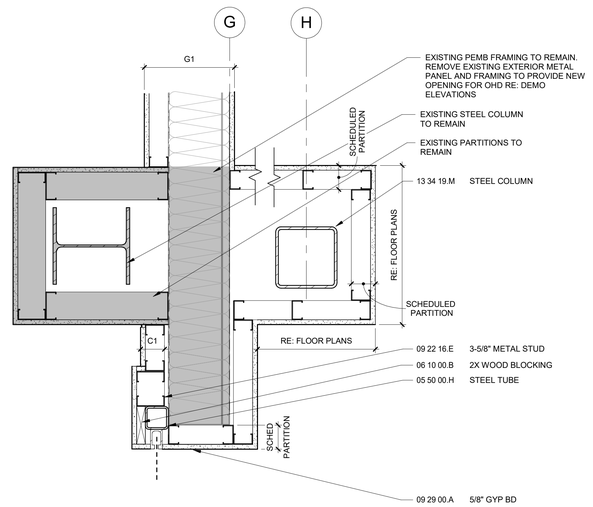
2 OHC JAMB DETAIL
A2301 A9101 SCALE: 1 1/2" = 1'-0"



7 OUTSIDE CORNER AT TILE
A8201 A9101 SCALE: 6" = 1'-0"



4 TYP FEC DETAIL
A9101 SCALE: 3" = 1'-0"



1 INTERIOR CONNECTOR DETAIL
A2101 A9101 SCALE: 1 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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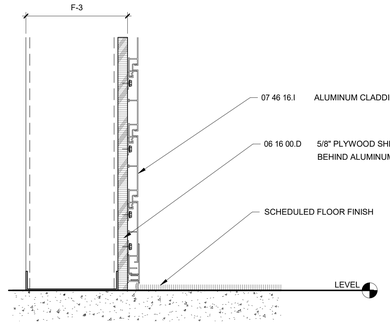
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INTERIOR PLAN DETAILS

PROJECT #: 20250023

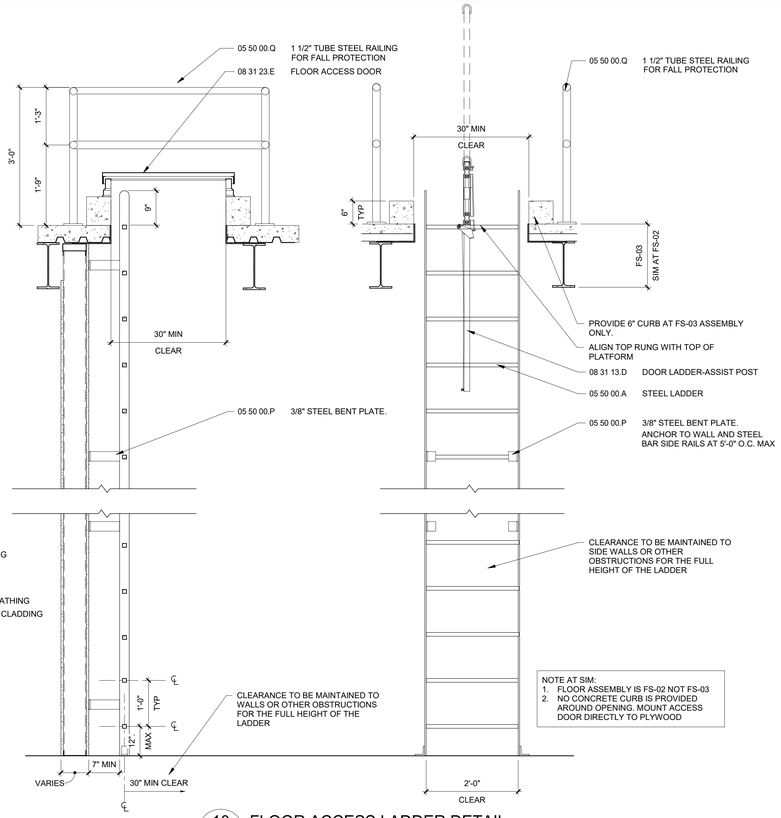
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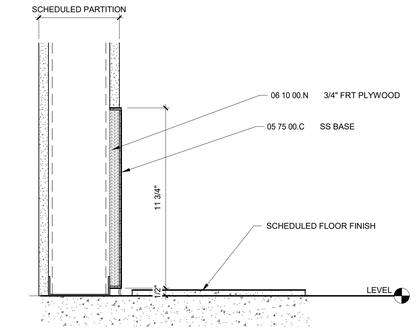
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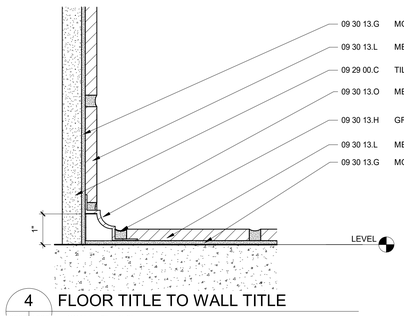
12 INT ALUMINUM CLADDING AT BASE
A8102 A9201 SCALE: 3" = 1'-0"



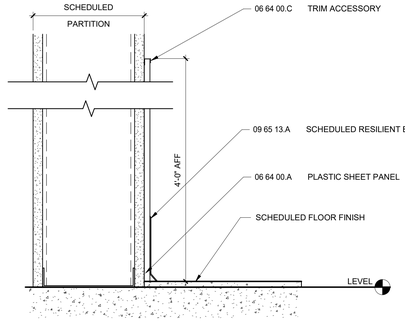
10 FLOOR ACCESS LADDER DETAIL
A2102 A9201 SCALE: 3/4" = 1'-0"



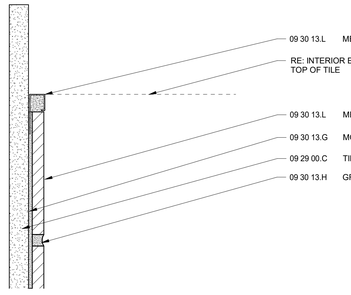
8 WALL BASE SS TO GYP BD
A9201 SCALE: 3" = 1'-0"



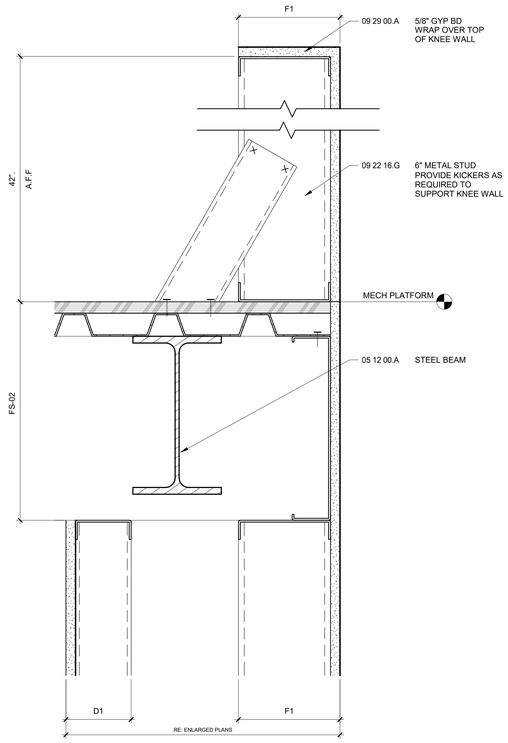
4 FLOOR TITLE TO WALL TITLE
A8202 A9201 SCALE: 6" = 1'-0"



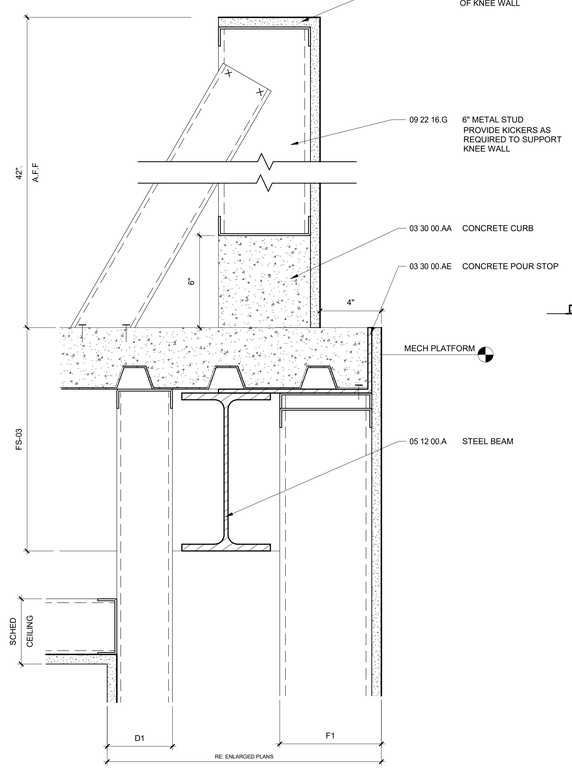
7 WALL BASE RUBBER TO FRP
A9201 SCALE: 3" = 1'-0"



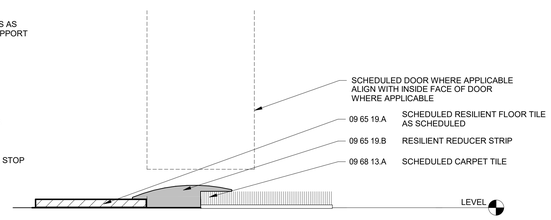
3 WALL TILE TRIM
A8202 A9201 SCALE: 6" = 1'-0"



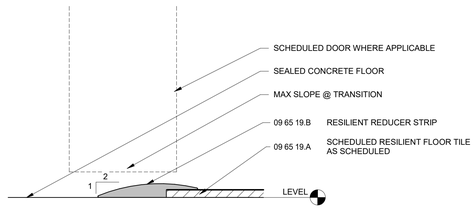
11 GUARDRAIL AT TERMINAL MECH PLATFORM
A2202 A9201 SCALE: 3" = 1'-0"



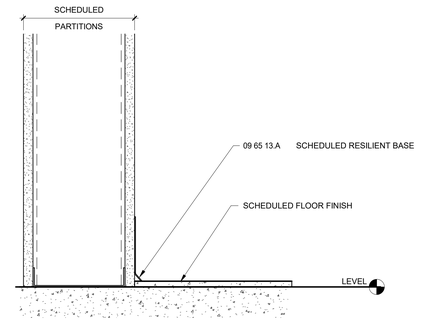
9 GUARDRAIL AT HOLDROOM MECH PLATFORM
A2202 A9201 SCALE: 3" = 1'-0"



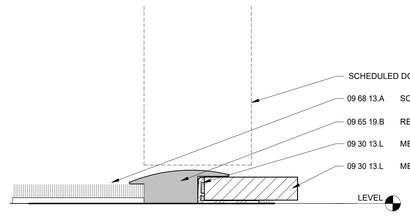
6 CARPET TO RESILIENT FLOOR
A4001 A9201 SCALE: 12" = 1'-0"



2 LVP TO CONCRETE
A4001 A9201 SCALE: 12" = 1'-0"



5 WALL BASE RUBBER TO GYP BOARD
A9201 SCALE: 3" = 1'-0"



1 TILE TO CARPET
A4001 A9201 SCALE: 12" = 1'-0"

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5/1/2026
REGISTERED ARCHITECT

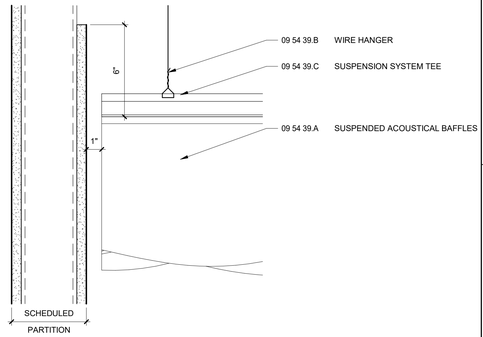
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INTERIOR SECTION DETAILS

PROJECT #: 20250023

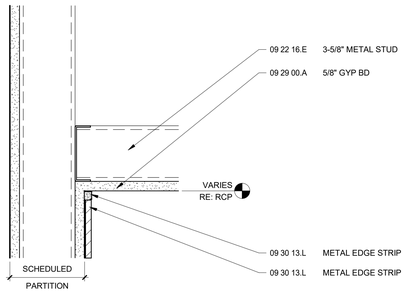
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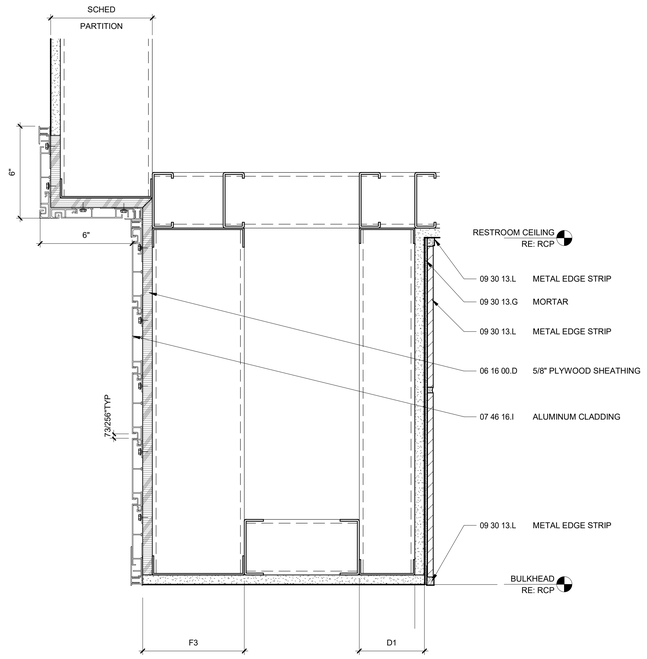
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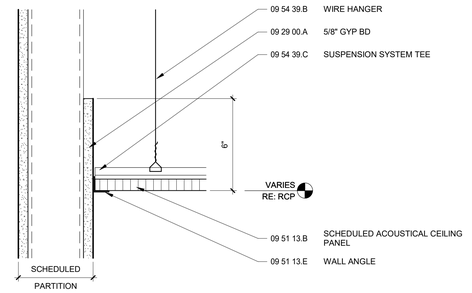
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A5303 A9301 SCALE: 3" = 1'-0"



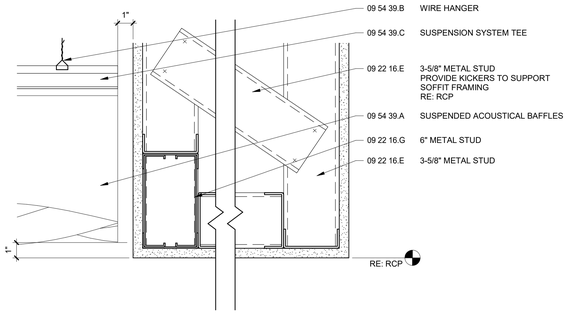
3 CEILING GYP TO WALL
A8202 A9301 SCALE: 3" = 1'-0"



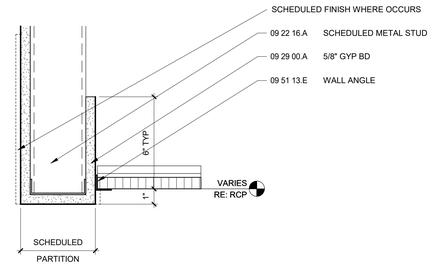
6 ALUMINUM CLADDING AT RESTROOM ENTRY
A8102 A9301 SCALE: 3" = 1'-0"



2 CEILING ACT TO WALL
A5301 A9301 SCALE: 3" = 1'-0"



5 BAFFLED CEILING TO GYP
A3102 A9301 SCALE: 3" = 1'-0"



1 CEILING ACT TO BULKHEAD
A3101 A9301 SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

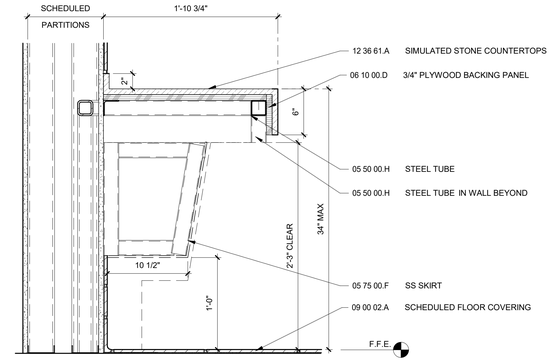
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PROJECT #: 20250023

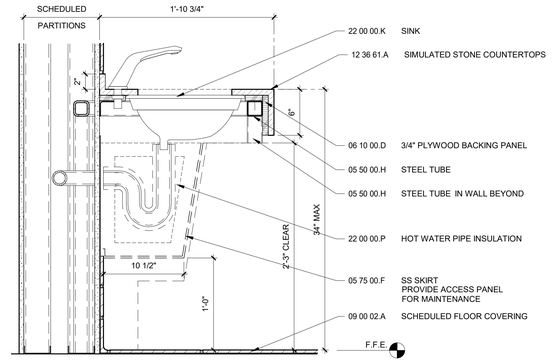
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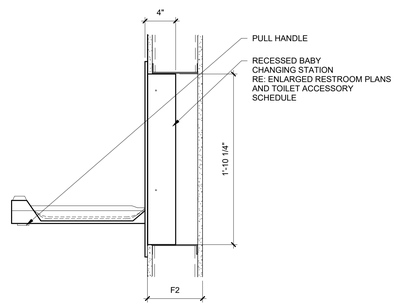
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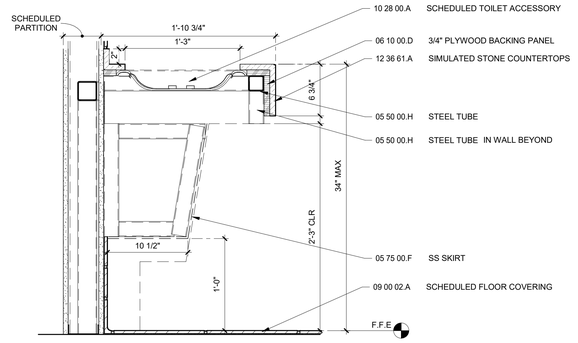
3 SECTION - LAVATORY COUNTER BRACING
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2 LAVATORY COUNTER
A8202 A9501 SCALE: 1 1/2" = 1'-0"



4 BABY CHANGING STATION RECESSED
A8202 A9501 SCALE: 1 1/2" = 1'-0"



1 BABY CHANGING STATION COUNTERTOP
A8202 A9501 SCALE: 1 1/2" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
1	CONSTRUCTION DOCUMENTS	05/01/2026

STATE of ALABAMA
COREY J OCHSNER
8819
5/1/2026
REGISTERED ARCHITECT

DRAWING TITLE
MILLWORK SECTION DETAILS

PROJECT #: 20250023

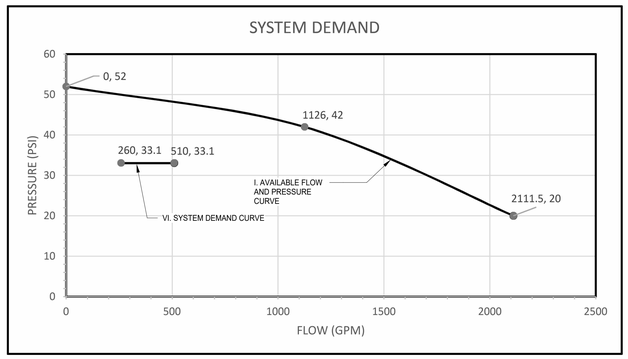
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FIRE SPRINKLER ZONE SCHEDULE

SYSTEM NUMBER	SYSTEM TYPE	HAZARD	LOCATION OF COVERAGE	MAXIMUM AREA (SF)	RISER LOCATION	MAX. ROOF HEIGHT	STORAGE HEIGHT (FT)	DENSITY (gpm/ft²) / ft²	K-FACTOR	HEAD TYPE	TEMPERATURE RATING	HOSE STREAM (GPM)	DURATION (MIN.)
1	WET	ORDINARY 1	ADDITION	52,000	115 MECH	33' - 3"	---	0.15 / 1,500	8	UPRIGHT / PENDENT	ORDINARY	250	60



FIRE PROTECTION WATER SUPPLY CALCULATIONS
OCCUPANCY HAZARD FIRE CONTROL APPROACH - AREA/DENSITY METHOD

I	**AVAILABLE FLOW AND PRESSURE**		
A.	DESCRIPTION		
B.	HYDRANT NUMBER		
C.	DATE/TIME		
D.	STATIC PRESSURE	52 PSI	0 GPM
E.	RESIDUAL PRESSURE	42 PSI	1126 GPM
F.	EMERGENCY RESPONSE	20 PSI	2111.5 GPM
II	**WATER DEMAND REQUIREMENTS**		
A.	SYSTEM TYPE	Wet Pipe	
B.	OCCUPANCY CLASSIFICATION	Ordinary 1	
C.	DESIGN DENSITY	0.15	GPM/SF
D.	DESIGN AREA	1500	SF
E.	HOSE ALLOWANCE	250	GPM/SF
F.	DURATION	60	MIN.
G.	MAXIMUM HEAD SPACING	130	SF
III	**SERVICE ENTRANCE PRESSURE LOSS CALCULATIONS**		
A.	WATER SUPPLY TEST ELEVATION	7.0	FT
B.	BUILDING ENTRANCE ELEVATION	7.0	FT
C.	ELEVATION PRESSURE (GAIN) OR LOSS	0.0	PSI
D.	SERVICE LINE DIAMETER:	8.0	INCH
E.	SERVICE LINE LENGTH (ESTIMATED)	65.0	FT
F.	FITTING ALLOWANCE:	5.0	%
G.	SERVICE LINE FRICTION LOSS	0.1	PSI
H.	PRESSURE LOSS AT TAP:	1.0	PSI
I.	METER PRESSURE LOSS:	1.0	PSI
J.	BACKFLOW PREVENTOR LOSS:	3.0	PSI
K.	TOTAL PRESSURE LOSS	5.1	PSI
IV	**4" MAIN PRESSURE LOSS CALCULATIONS**		
D.	4" PIPE EQUIVALENT LENGTH	617.0	FT
	FRICTION HEAD LOSS		
E.	(260 GPM IN SCH 10 STEEL PIPE)	2.9	FT / 100 FT
F.	HEAD LOSS	17.6	FT
H.	TOTAL PRESSURE LOSS	7.6	PSI
V	**WATER SUPPLY SUMMARY**		
A.	SPRINKLER FLOW	260.0	GPM
B.	HOSE ALLOWANCE	250.0	GPM
	CALCULATED PRESSURE		
C.	AVAILABLE AT BUILDING	49.7	PSI
D.	PRESSURE LOSSES FROM (III + IV)	12.7	PSI
E.	PRESSURE LOSS DUE TO ELEVATION	14.4	PSI
F.	MINIMUM PRESSURE FOR SPRINKLER HEAI	5.9	PSI
G.	TOTAL PRESSURE REQUIRED	33.1	PSI
H.	FACTOR OF SAFETY	16.6	PSI

VI	**SYSTEM DEMAND CURVE**			
A.	SPRINKLER FLOW	260.0 GPM	33.1	PSI
B.	SPRINKLER FLOW + HOSE DEMAI	510.0 GPM	33.1	PSI

FIRE PROTECTION SCOPE OF WORK:

1. FIRE PROTECTION DEMOLITION SCOPE CONSIST OF REMOVING SPRINKLER HEADS FROM CEILINGS AND RELOCATING THEM IN NEW AREAS. EXTEND PIPING AS NEEDED.
2. FIRE PROTECTION NEW SCOPE IS TO PROVIDE A NEW RISER, SPRINKLER HEADS, AND SUPPORTS.
3. PROVIDE COMPLETE FIRE PROTECTION FOR ALL PORTIONS OF THE BUILDING. ALL PROTECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF IFC (2024), NFPA 13 (2022), NFPA 415 (2022), AND THE AUTHORITY HAVING JURISDICTION.
4. THE SYSTEM LAYOUT DRAWINGS PROVIDED ARE INTENDED TO ESTABLISH THE GENERAL ARRANGEMENT OF THE FIRE SUPPRESSION SYSTEM AND NOT TO ESTABLISH A DETAILED SCOPE OF WORK. THE LAYOUT DRAWINGS MAY NOT INDICATED ALL SYSTEM COMPONENTS REQUIRED. THEY ARE NOT TO BE USED AS OR CONSIDERED FABRICATION OR SHOP DRAWINGS. THE CONTRACTOR MAY DEVIATE FROM THE PIPING LAYOUT AND HEAD LAYOUT INDICATED TO IMPROVE SYSTEM PERFORMANCE, SYSTEM EFFICIENCY, OR SIMPLIFY INSTALLATION. THESE DEVIATIONS SHALL NOT ALTER THE BASIC FEATURES OF THE SYSTEM.
5. ARRANGE OR CONDUCT A FLOW TEST TO CONFIRM THE FLOW DATA PROVIDED PRIOR TO BEGINNING THE PREPARATION OF SHOP DRAWINGS.
6. THE CONTRACTOR SHALL PREPARE DETAILED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS BASED UPON ALL OF THE APPLICABLE REQUIREMENTS OF NFPA 13 AND SHALL SUBMIT THEM FOR REVIEW. IN PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND OTHER AVAILABLE PERTINENT INFORMATION. THE CONTRACTOR SHALL MODIFY THE PIPING LAYOUT, SYSTEM ARRANGEMENT AND HEAD SPACING AS MAY BE REQUIRED AVOID CONFLICTS WITH OTHER WORK AND TO ALLOW NORMAL MAINTENANCE OF SYSTEM AND OTHER BUILDING COMPONENTS.
7. IN PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL ADJUST THE GENERAL ARRANGEMENT OF THE SYSTEM AS NEEDED TO COMPLY WITH NFPA REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ADJUSTMENTS OR MODIFICATIONS TO COMPLY WITH SPRINKLER SPACING REQUIREMENTS; TO AVOID OBSTRUCTIONS TO SPRINKLER DISCHARGE OR OBSTRUCTIONS THAT PREVENT SPRINKLER DISCHARGE FROM REACHING THE HAZARD; TO PROTECT CONCEALED SPACES, SHAFTS, VERTICAL OPENINGS; TO PROTECT HOIST WAYS, DOCKS AND PLATFORMS; AND TO PROTECT SPECIAL HAZARD OCCUPANCIES.
8. IN PREPARATION OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, SIZE PIPING TO MAINTAIN WATER VELOCITIES BELOW 20 FEET PER SECOND AND SIZE PIPING TO MAINTAIN THE MINIMUM FACTOR OF SAFETY INDICATED.
9. AFTER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND ANY COMMENTS INCORPORATED, SUBMIT THE DRAWINGS AND CALCULATIONS TO THE AUTHORITY HAVING JURISDICTION. OBTAIN THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION.
10. COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION IN THE STATE OF ALABAMA. OBTAIN APPROVAL OF THE AUTHORITY HAVING JURISDICTION OF THE COMPLETED INSTALLATION.

FIRE PROTECTION GENERAL NOTES:

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

FIRE PROTECTION DEMOLITION NOTES:

1. PRIOR TO START OF PROJECT, FIRE PROTECTION CONTRACTOR SHALL CONDUCT FIELD SURVEY TO VERIFY EXISTING CONDITIONS.
2. COORDINATE TIME AND DURATION OF INTERRUPTIONS TO EXISTING SYSTEM WITH ARCHITECT AND OWNER. INTERRUPTIONS TO EXISTING SYSTEMS SHALL BE AS SHORT AS POSSIBLE.
3. ALTHOUGH INTENDED TO CONVEY APPROPRIATE INFORMATION, THESE DRAWINGS HAVE BEEN PREPARED FROM FIELD MEASUREMENTS AND/OR OBSERVATIONS. AS SUCH, DRAWINGS CONTAIN DISCREPANCIES AND OMMISIONS DUE TO CONCEALED CONDITIONS. INACCURACIES IN THE ORIGINAL DRAWINGS, INACCESSIBLE LOCATIONS, UNRECORDED BUILDING ALTERATION AND OTHER CONFLICTING INFORMATION. INFORMATION OUTSIDE OF CONTRACT AREA IS RELATIVE AND FOR REFERENCE ONLY. ALWAYS VERIFY FIELD CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT/ENGINEER IF FIELD CONDITION CONFLICTS WITH PROPOSED WORK.
4. FIRE PROTECTION CONTRACTOR SHALL ACCURATELY COORDINATE SIZES AND LOCATIONS OF NEW FIRE PROTECTION / SPRINKLER PIPING AND SPRINKLER HEADS WITH LOCATION OF EXISTING AND NEW DUCTWORK, PIPING, ELECTRICAL (CONDUIT, WIRING) FIRE ALARM COMPONENTS ETC ABOVE CEILING.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO.	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STAMP
ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 23479
PROFESSIONAL
05/01/2026
DAVID ALLEN KIRKLAND

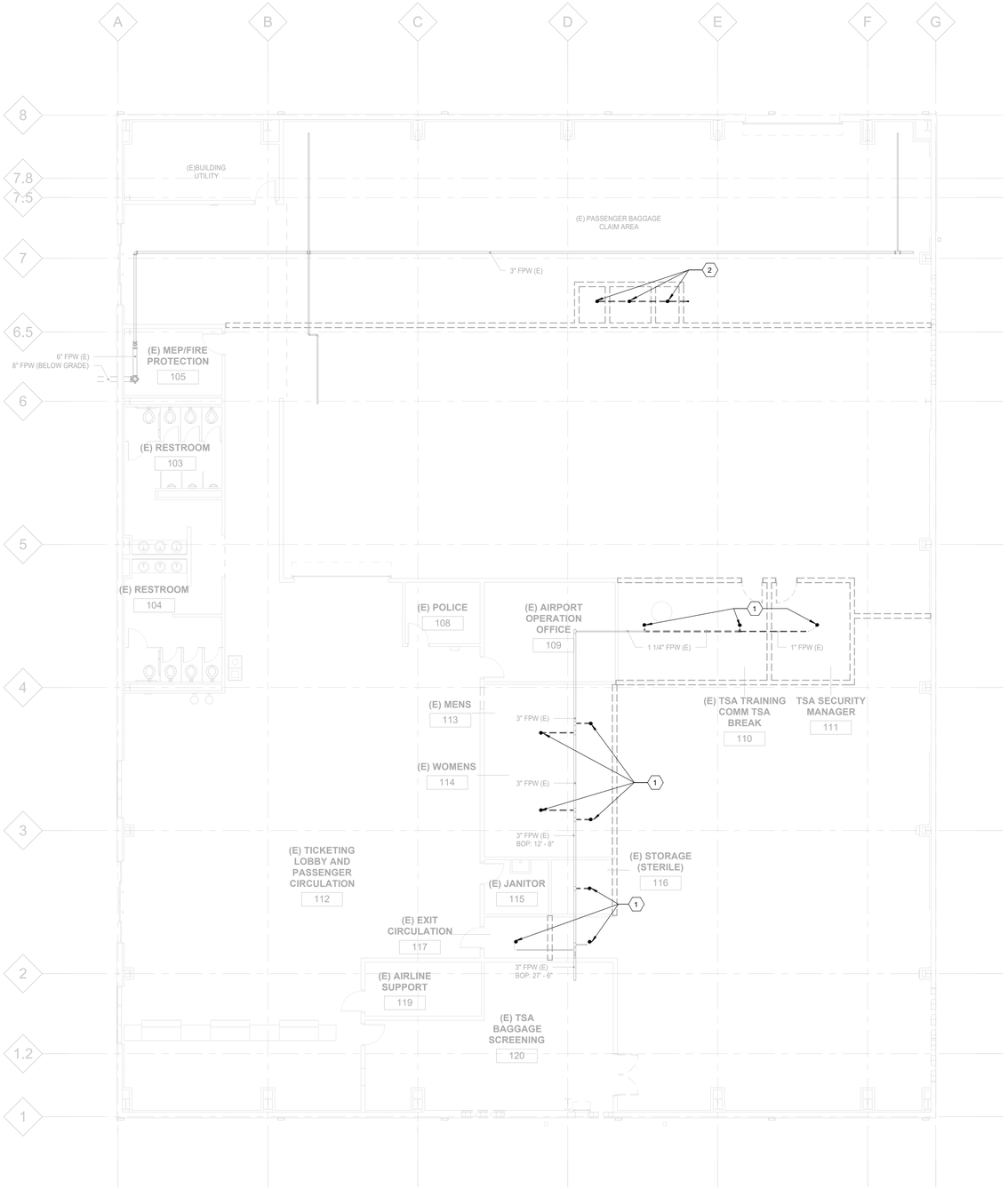
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PROJECT #: 20250023

SHEET NUMBER
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1 FP1501 **FIRE PROTECTION DEMOLITION FLOOR PLAN - TERMINAL**

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

KEY NOTES:

1. SALVAGE AND RELOCATE SPRINKLER HEADS, ASSOCIATED PIPING, AND SUPPORTS BACK TO THE APPROXIMATE LOCATION SHOWN.
2. SALVAGE AND RELOCATE SPRINKLER HEADS, ASSOCIATED PIPING, AND SUPPORTS BACK TO THE MAIN NEAR THE ROOF.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
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1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED No. 25479 PROFESSIONAL 05/01/2026 ENGINEER DAVID ALLEN KINGHAM

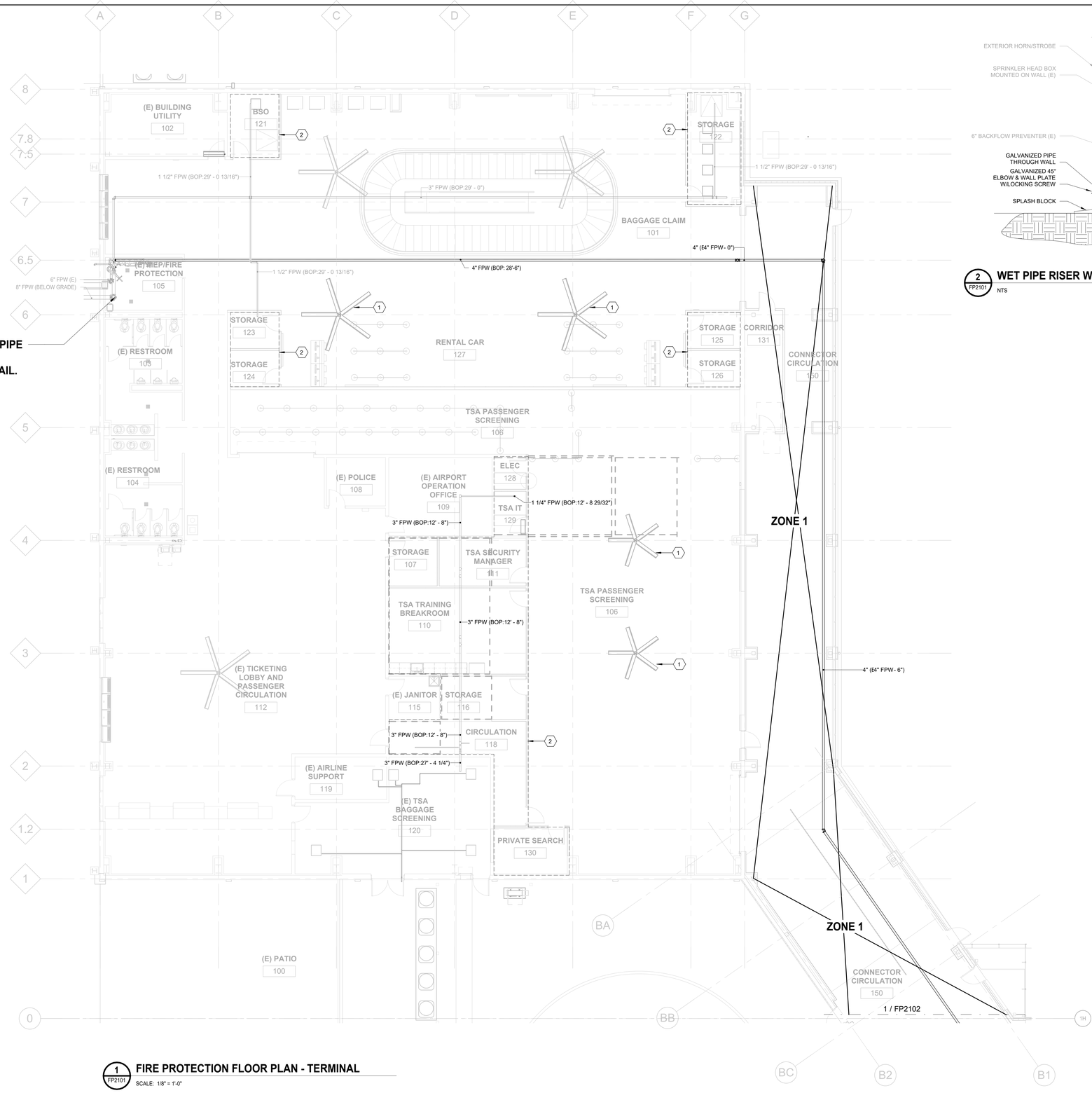
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PROJECT #: 20250023

SHEET NUMBER
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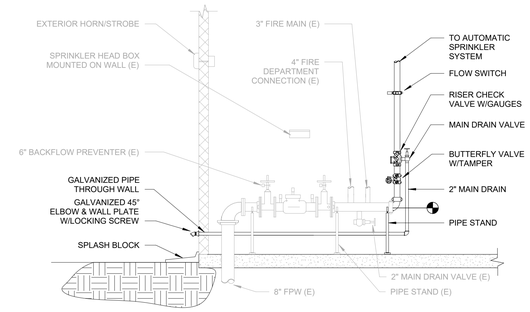
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1 FP2101 FIRE PROTECTION FLOOR PLAN - TERMINAL

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



2 FP2101 WET PIPE RISER W/DOUBLE CHECK VALVE ASSEMBLYDETAIL

NTS

KEY NOTES:

1. RELOCATE SPRINKLER HEADS AROUND HVLS FANS PER NFPA REQUIREMENTS.
2. PROVIDE NEW K-8 SPRINKLER HEADS AND ASSOCIATED PIPING FOR THE ROOMS BELOW THE MECHANICAL PLATFORMS.

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No. 25479
05/01/2026
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PROJECT #: 20250023

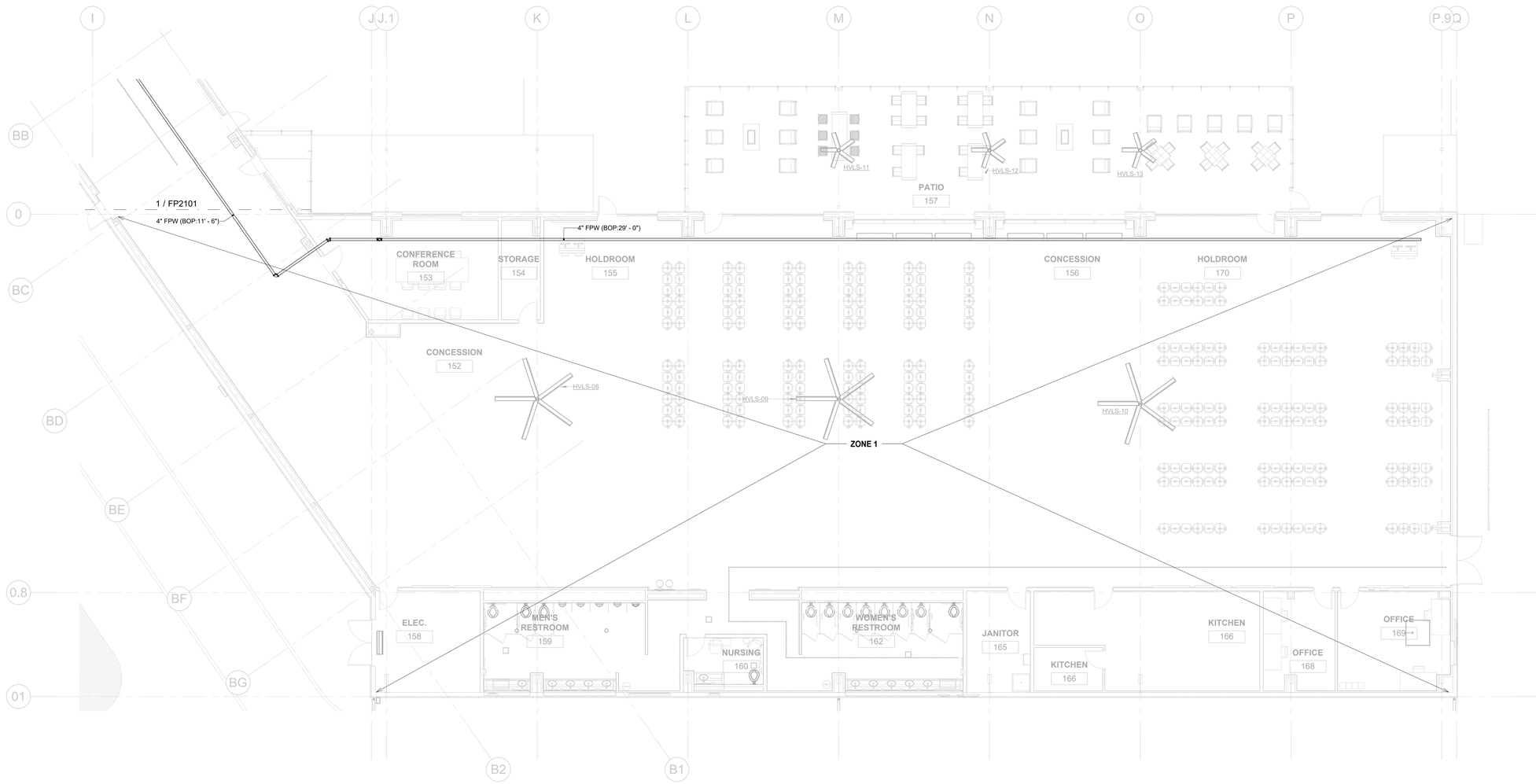
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FP2101

PLAN NORTH
TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

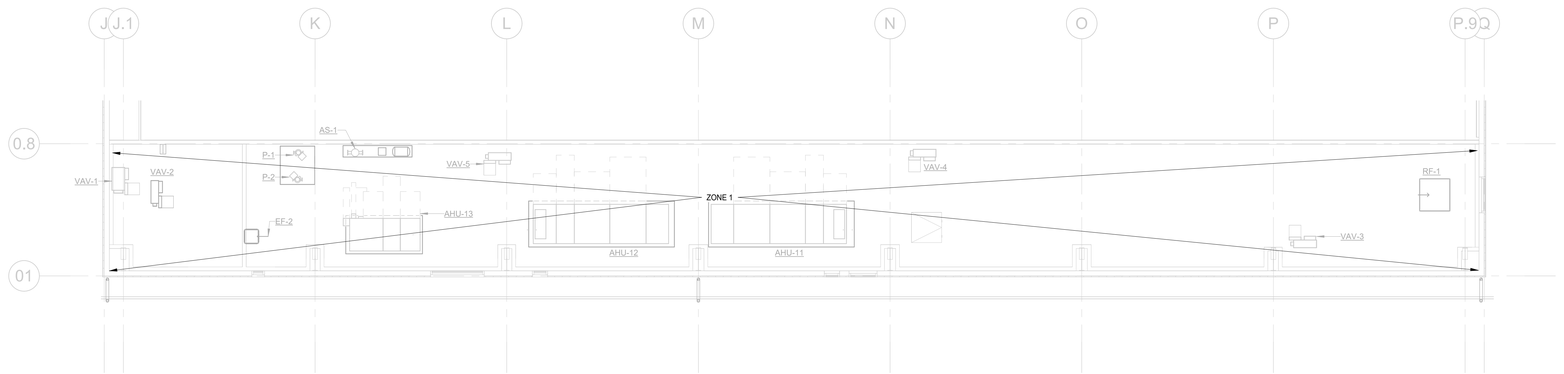
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1 / FP2102 FIRE PROTECTION FLOOR PLAN - HOLDROOM

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



2 / FP2102 FIRE PROTECTION FLOOR PLAN - MECHANICAL PLATFORM

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

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1	CONSTRUCTION DOCUMENTS	05/01/2026

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DRAWING TITLE
FIRE PROTECTION FLOOR PLAN - HOLDROOM

PROJECT #: 20250023

SHEET NUMBER
FP2102

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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PLUMBING LEGEND

SYMBOL	DESCRIPTION	ABBV.
	EXISTING (TO REMAIN)	
	NEW CONSTRUCTION	
	DEMOLITION	
	COLD WATER	DCW
	HOT WATER	DHW
	HOT WATER RECIRC.	DHWR
	SANITARY WASTE (ABOVE SLAB)	SS
	SANITARY WASTE (BELOW SLAB)	SS
	VENT LINE (ABOVE OR BELOW SLAB)	V
	NON-POTABLE WATER	NPW
	RAIN WATER LEADER	RWL
	STORM DRAIN	SD
	COMPRESSED AIR (PRESSURE, PSIG)	XX#A
	VACUUM	VAC
	NATURAL GAS LINE (ABOVE SLAB)	NG
	LIQUID PROPANE	LP
	ACID WASTE (ABOVE SLAB)	AW
	ACID WASTE (BELOW SLAB)	AW
	ACID VENT	AV
	FUEL OIL SUPPLY	FOS
	INDUSTRIAL WASTE	IW
	CONDENSATE DRAIN (INSULATED)	CD
	PIPE SLEEVE	
	EXISTING TO BE REMOVED	
	EXISTING TO REMAIN	
CO	CLEANOUT (ABOVE GROUND PIPING)	CO
CO	CLEANOUT (BURIED PIPING)	CO
WCO	CLEANOUT (IN WALL)	WCO
	PIPE TURNED UP/DOWN	
	GATE VALVE	
	CHECK VALVE	
	BUTTERFLY VALVE	
	BALL VALVE	
	GAS COCK	
	GLOBE VALVE	
	A.S.M.E. RATED T&P RELIEF VALVE	
	3-WAY MODULATING VALVE	
	ROOF DRAIN	RD
	HUB DRAIN	HD
	FLOOR DRAIN	FD
	PIPE ANCHOR	
	SHOCK ARRESTOR	SA
	FLEXIBLE CONNECTOR	
	UNION IN LINE	
	CAP OR PLUG	
	TEE	
	ELBOW	
	THERMOMETER	
	PRESSURE GAUGE & GAUGE COCK	
EXT.C.O.	EXTERIOR CLEANOUT	EXT.C.O.
	DIRECTION OF FLOW	
WC-1, ETC.	FIXTURE IDENTIFICATION (SEE SPEC'S.)	
VTR	VENT THRU ROOF	VTR
AVTR	ACID VENT THRU ROOF	AVTR
I.E.	INVERT ELEVATION	I.E.
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	RPBP
AFF	ABOVE FINISHED FLOOR	AFF
BFF	BELOW FINISHED FLOOR	BFF
AFG	ABOVE FINISHED GRADE	AFG
O.F.E.	OWNER FURNISHED EQUIPMENT	O.F.E.
R.I.O.	ROUGH-IN ONLY	R.I.O.
	REFER TO NOTE NO.	
	CONNECT TO EXISTING	
	REMOVE TO THIS POINT	
	RISER DIAGRAM IDENTIFICATION	
1 (TYP)	FLOOR LEVEL ON RISER	
N.I.C.	NOT IN CONTRACT	
F.B.O.	FURNISHED BY OWNER	
	REMOVE PIPE AND CAP EXISTING TO REMAIN	
	CONNECTION POINT, NEW TO EXISTING	
	CALIBRATED BALANCING VALVE	
	PRESSURE / TEMPERATURE PORT	

PLUMBING GENERAL NOTES:

1. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN FIXTURES AND CONNECTIONS. DO NOT SCALE THE DRAWINGS. FOR EXACT LOCATIONS VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES AND NOTIFY OTHERS OF ANY CHANGES OF ANY CHASE OR ACCESS REQUIREMENTS FOR HIS PORTION OF THE WORK. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS BEFORE INSTALLATION OF WORK AND COORDINATE WITH OTHER DISCIPLINES.
3. PROVIDE NECESSARY OFFSETS IN PIPING AS REQUIRED TO ACCOMMODATE INSTALLATION. CONTRACTOR SHALL ALLOW FOR ANY CONFLICTS ENCOUNTERED. PROVIDE ALL CLEARANCES, AS REQUIRED BY CODE AND MANUFACTURER'S INSTRUCTIONS, FOR ALL MECHANICAL EQUIPMENT.
4. INSTALL PLUMBING IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES, CONTRACTOR TO PAY FOR PERMITS, FEES, INSPECTIONS AND CONNECTIONS AS MAY BE REQUIRED FOR THIS WORK.
5. ROUTE PIPING IN ORDERLY MANNER AND MAINTAIN SLOPE GRADIENT.
6. INSTALL PIPING TO CONSERVE BUILDING SPACE AND NOT TO INTERFERE WITH USE OF SPACE.
7. GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS.
8. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT.
9. PROVIDE CLEARANCE FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS.
10. PROVIDE ACCESS WHERE VALVES AND FITTINGS ARE NOT EXPOSED.
11. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
12. INSTALL BALL VALVES FOR SHUT-OFF AND TO ISOLATE EQUIPMENT, PARTS OF SYSTEM, OR VERTICAL RISERS. INSTALL MANUAL AIR VENTS AT HIGH POINTS OF POTABLE WATER LINES.
13. INSTALL BALL VALVES FOR THROTTLING, BYPASS OR MANUAL FLOW CONTROL SERVICES.
14. ADJUST STOPS AND VALVES FOR INTENDED WATER FLOW RATE TO FIXTURES WITHOUT SPLASHING, NOISE OR OVERFLOW.
15. EXTEND CLEANOUTS TO FINISHED FLOOR OR WALL SURFACE. LUBRICATE THREADED CLEANOUT PLUG WITH MIXTURE OF GRAPHITE AND LINSEED OIL. ENSURE CLEARANCE OF CLEANOUT FOR RODDING OF DRAINAGE SYSTEM. ENCASE EXTERIOR CLEANOUTS AND CONCRETE FLUSH WITH GRADE.
16. INSTALL APPROVED POTABLE WATER PROTECTION DEVICE ON PLUMBING LINES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR.
17. INSTALL WATER HAMMER ARRESTORS COMPLETE WITH ACCESSIBLE ISOLATED VALVE ON HOT AND COLD WATER SUPPLY PIPING. INSTALL THEM AT LOCATIONS THAT REQUIRES THEM TO PREVENT WATER HAMMER. CONTRACTOR IS TO INSTALL WATER HAMMER ARRESTORS PER STANDARD PLUMBING PRACTICE. AS A MINIMUM ARRESTORS ARE TO BE INSTALLED AT ANY FAST CLOSING VALVE, AND AT FLUSH VALVES IN TOILETS GROUPS. WATER HAMMER ARRESTORS ARE TO BE SIZED AND SELECTED IN ACCORDANCE WITH UNIVERSAL STANDARD P.D.I. - WH201.
18. SIZE SLEEVES LARGE ENOUGH TO ALLOW FOR MOVEMENT DUE TO EXPANSION AND CONTRACTION, PROVIDE FOR CONTINUOUS INSULATION WRAPPING OF GLASS FIBER TYPE, NON-COMBUSTIBLE. PROVIDE FLEXIBLE FLASHING AND METAL COUNTER FLASHING WHERE PIPING PENETRATES WEATHER OR WATERPROOFED WALLS, FLOORS AND ROOFS.
19. WHERE PIPING PENETRATES FLOOR, CEILING OR WALL, CLOSE OFF SPACE BETWEEN PIPE AND ADJACENT WORK WITH STUFFING INSULATION AND CAULK SEAL. PROVIDE CLOSE FITTING METAL COLLAR OR ESCUTCHEON COVERS AT BOTH SIDES OF PENETRATION.
20. CONTRACTOR TO ROUGH-IN FIXTURE PIPING CONNECTIONS IN ACCORDANCE WITH MINIMUM SIZE INDICATED AND PLUMBING FIXTURE SCHEDULE FOR PARTICULAR FIXTURES.
21. INSTALL EACH FIXTURE "P" TRAP SUCH THAT IT IS EASILY REMOVABLE FOR SERVICING AND CLEANING.
22. INSTALL COMPONENTS LEVEL AND PLUMB.
23. SEAL FIXTURES TO COUNTERTOP, WALL AND FLOOR SURFACE WITH SEALANT IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS FOR PREPARATION OF SURFACE AND MATERIAL INSULATION INSTRUCTIONS, COLOR TO MATCH FIXTURE.
24. INSTALLATION SHALL MAINTAIN A MINIMUM CLEARANCE OF 6 INCHES BETWEEN ALL PIPING THAT ARE PARALLEL TO OR ADJACENT TO ALL FIRE AND FIRE/SMOKE RATED WALLS TO FACILITATE THE INSPECTION OF THESE WALLS.
25. TEST AND STERILIZE ALL PLUMBING PIPE LINES IN ACCORDANCE WITH CURRENT ADDITION OF PLUMBING CODE.
26. WATER DISTRIBUTION PIPING SHALL BE DISINFECTED PRIOR TO SYSTEM START-UP WITH 50 PPM CHLORINE SOLUTION. ALLOW SYSTEM TO STAND FOR SIX HOURS MINIMUM, THEN EXERCISE ALL VALVES TO ENSURE TREATMENT. FLUSH SYSTEM AFTER DISINFECTION.
27. DOMESTIC WATER PIPING SYSTEM TO BE TESTED WITH POTABLE WATER AT A PRESSURE OF 125 PSIG OR 25 PSIG ABOVE DESIGN WORKING PRESSURE. TEST SHALL BE CONDUCTED BY PLUMBING INSPECTOR UNLESS APPROVED OTHERWISE IN WRITING.
28. WATER DISTRIBUTION PIPING SHALL BE DISINFECTED PRIOR TO SYSTEM START-UP WITH 50 PPM CHLORINE SOLUTION. ALLOW SYSTEM TO STAND FOR SIX HOURS MINIMUM, THEN EXERCISE ALL VALVES TO ENSURE TREATMENT. FLUSH SYSTEM AFTER DISINFECTION.

PLUMBING DEMOLITION NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS BEFORE STARTING WORK, THAT WALL AND FLOOR FINISHES ARE PREPARED AND READY FOR INSULATION OF FIXTURES, THAT ELECTRICAL POWER IS AVAILABLE AND OF THE CORRECT CHARACTERISTICS AND THAT THE MILLWORK IS CONSTRUCTED WITH ADEQUATE PROVISIONS FOR THE INSTALLATION OF COUNTERTOP LAVATORIES IN SINKS.
2. ALL ABANDONED SANITARY, VENT, DOMESTIC HOT WATER SUPPLY AND RETURN, DOMESTIC COLD WATER, AND MED GAS PIPING SHALL BE REMOVED IN IT'S ENTIRETY AND CAPPED AT MAINS. DEAD LEGS ARE PROHIBITED.

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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DAVID ALLEN KINCHEN
No. 29479
PROFESSIONAL
05/01/2026
REGISTERED ARCHITECT
DAVID ALLEN KINCHEN

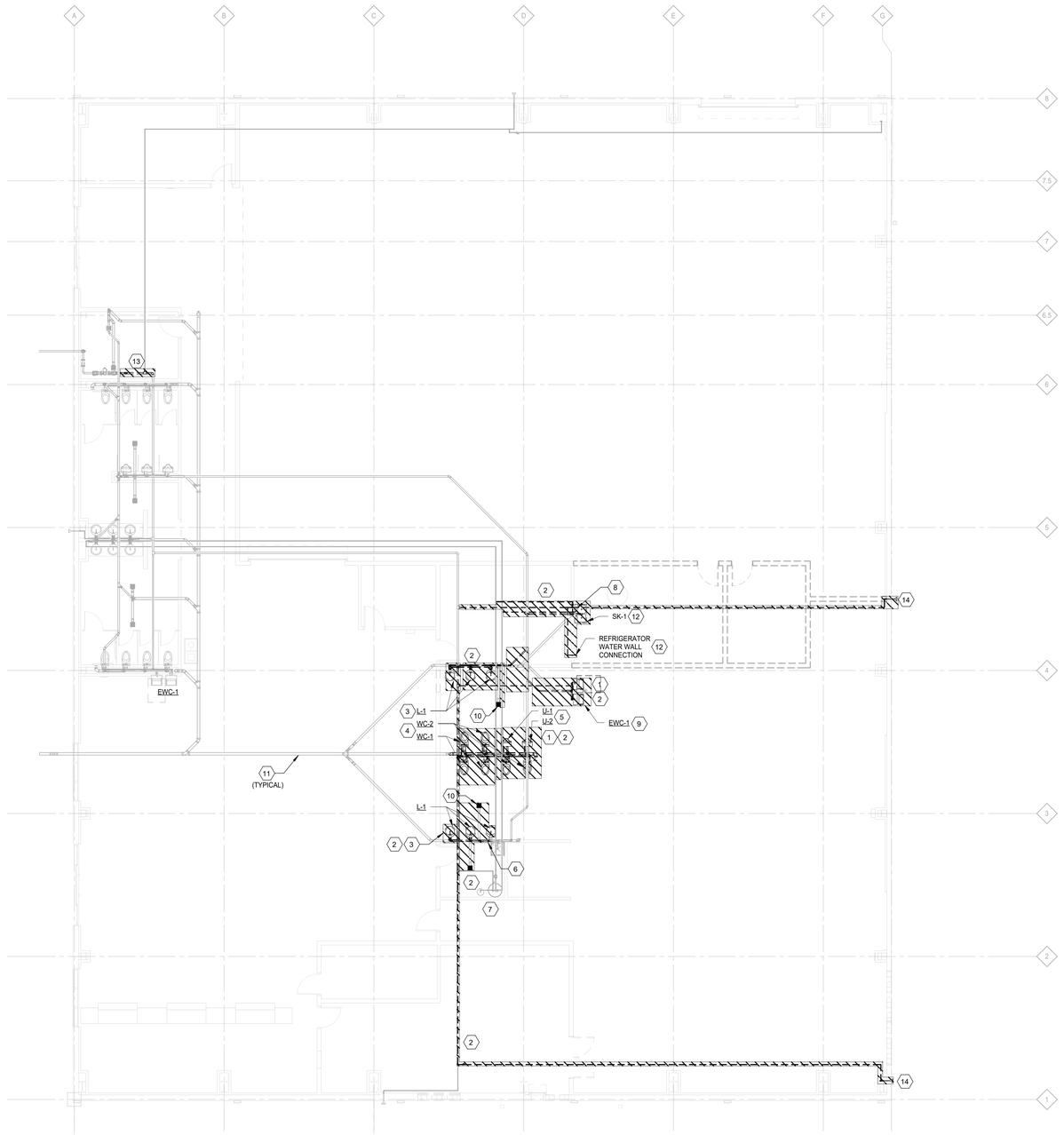
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PLUMBING GENERAL NOTES AND LEGENDS

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1 PLUMBING DEMOLITION PLAN

P1501

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

KEY NOTES:

1. CUT SANITARY PIPE AT FLOOR LEVEL AND CAP.
2. REMOVE DOMESTIC WATER AND VENT PIPING TO MAIN AND CAP.
3. REMOVE LAVATORY AND FAUCET TO BE USED IN NEW CONSTRUCTION.
4. REMOVE WATER CLOSET AND FLUSH VALVE TO BE USED IN NEW CONSTRUCTION.
5. REMOVE URINAL AND FLUSH VALVE TO BE USED IN NEW CONSTRUCTION.
6. LEAVE IN PLACE DCW PIPE GOING TO SERVICE SINK AND LAVATORY. REMOVE ALL OTHER PIPES.
7. ELECTRIC WATER HEATER, EXPANSION TANK, AND RECIRC PUMP TO REMAIN.
8. ABANDON WATER AND WASTE PIPING IN THE WALL. REMOVE WATER PIPING BACK TO MAIN AND CAP.
9. REMOVE WATER COOLER TO BE USED IN NEW CONSTRUCTION.
10. REMOVE FLOOR DRAIN STRAINER AND PLUG PIPE.
11. ALL UNDER CONCRETE FLOOR SANITARY PIPING SHALL REMAIN.
12. REMOVE SINK WITH FAUCET AND REFRIGERATOR WATER CONNECTION FOR RE-INSTALLATION.
13. REROUTE PIPE TO CONNECT TO NEW BOOSTER PUMP.
14. RELOCATE WH-1 TO THE OTHER SIDE OF NEW 150 - CONNECTOR CIRCULATION.

SCALE: 0' 2' 4' 8' 16'

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1155 COMMERCE DR, GULF SHORES, AL 36542

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PROFESSIONAL
05/01/2026
DAVID ALLEN KIRKLAND

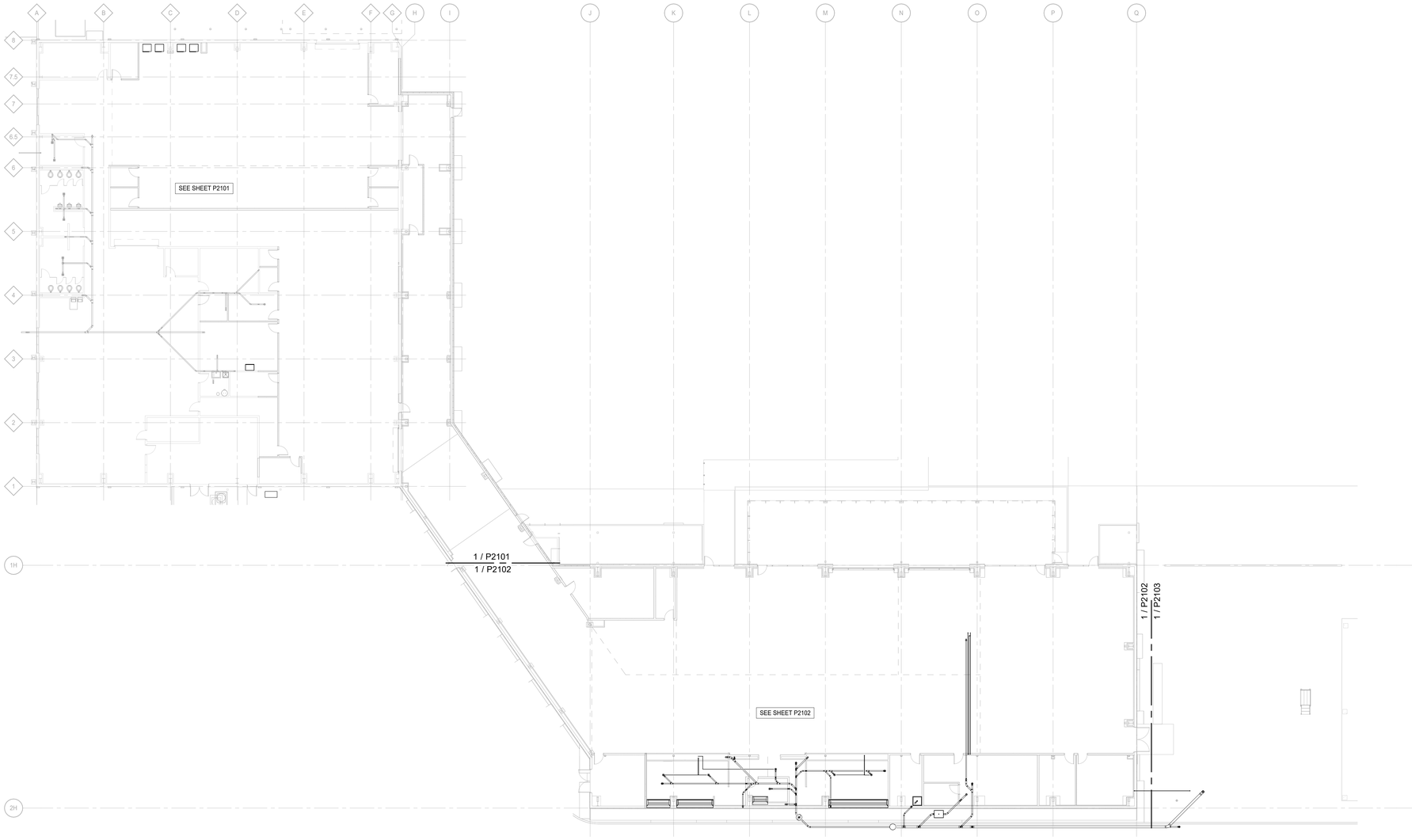
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PLUMBING DEMOLITION PLAN

PROJECT #: 20250023

SHEET NUMBER
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1 P2001 **PLUMBING UNDER SLAB PLAN - OVERALL**

SCALE: 1/16" = 1'-0"

SCALE: 0' 4' 8' 16' 32'

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1155 COMMERCE DR, GULF SHORES, AL 36542

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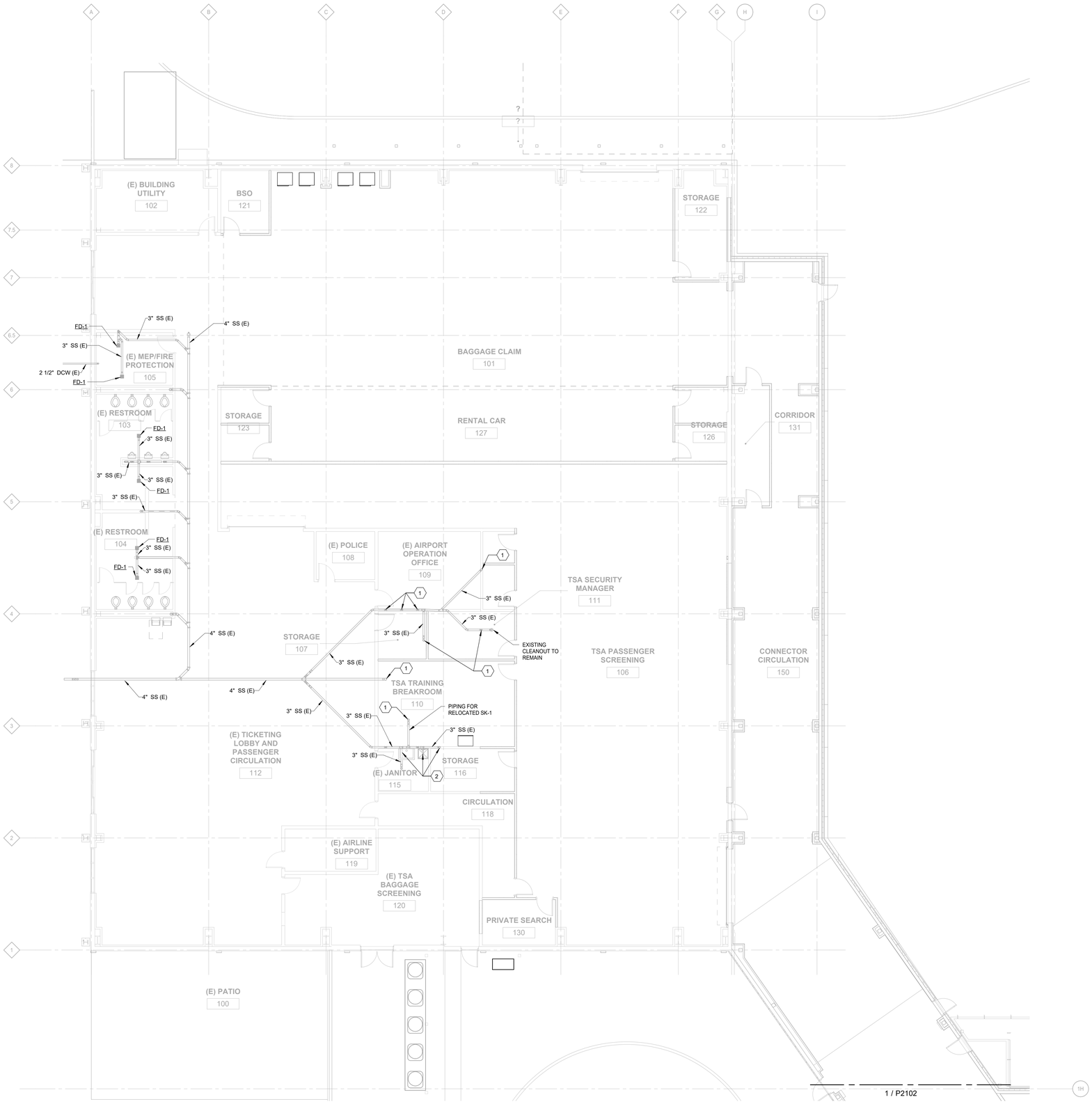
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PLUMBING UNDERSLAB PLAN - OVERALL

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SHEET NUMBER
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1 P2101 PLUMBING UNDERSLAB PLAN - TERMINAL

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

KEY NOTES:

1. PLUG SANITARY LINES AT FLOOR.
2. PIPING SHALL REMAIN.

SCALE: 0' 2' 4' 8' 16'

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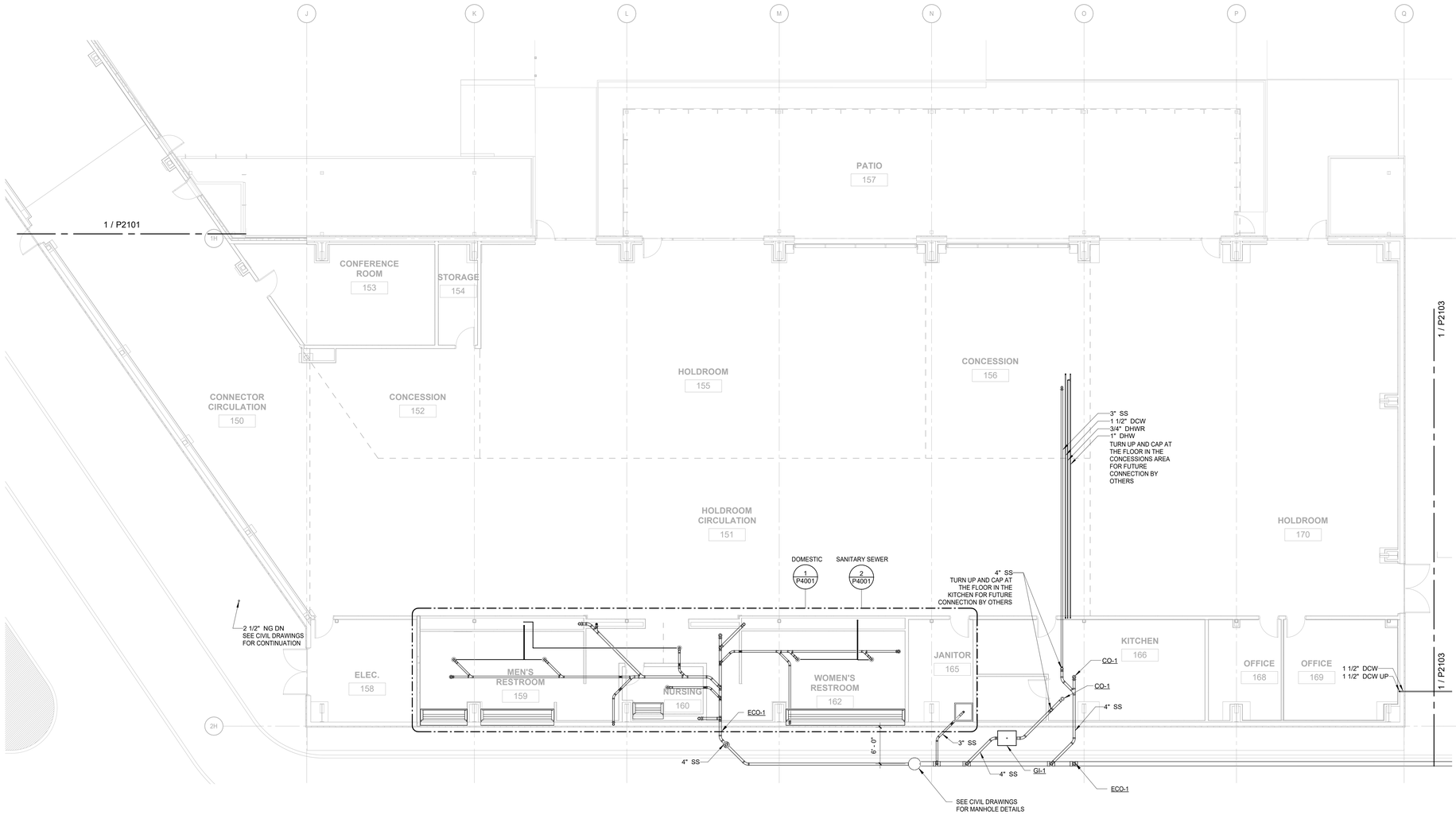
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1 P2102 PLUMBING UNDERSLAB PLAN - HOLDROOM

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

SCALE: 0' 2' 4' 8' 16'

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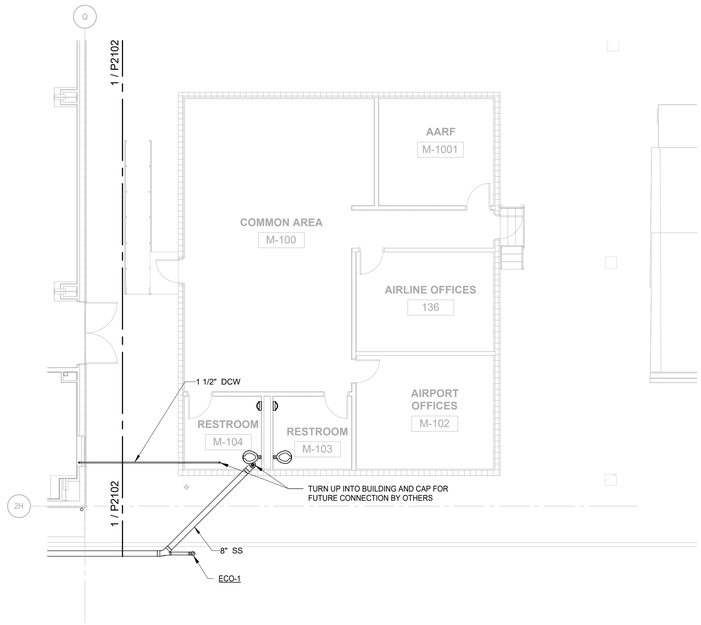
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PLUMBING UNDERSLAB PLAN - HOLDROOM

PROJECT #: 20250023

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1 P2103 PLUMBING UNDERSLAB PLAN - MODULAR BUILDING

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

SCALE: 0' 2' 4' 8' 16'

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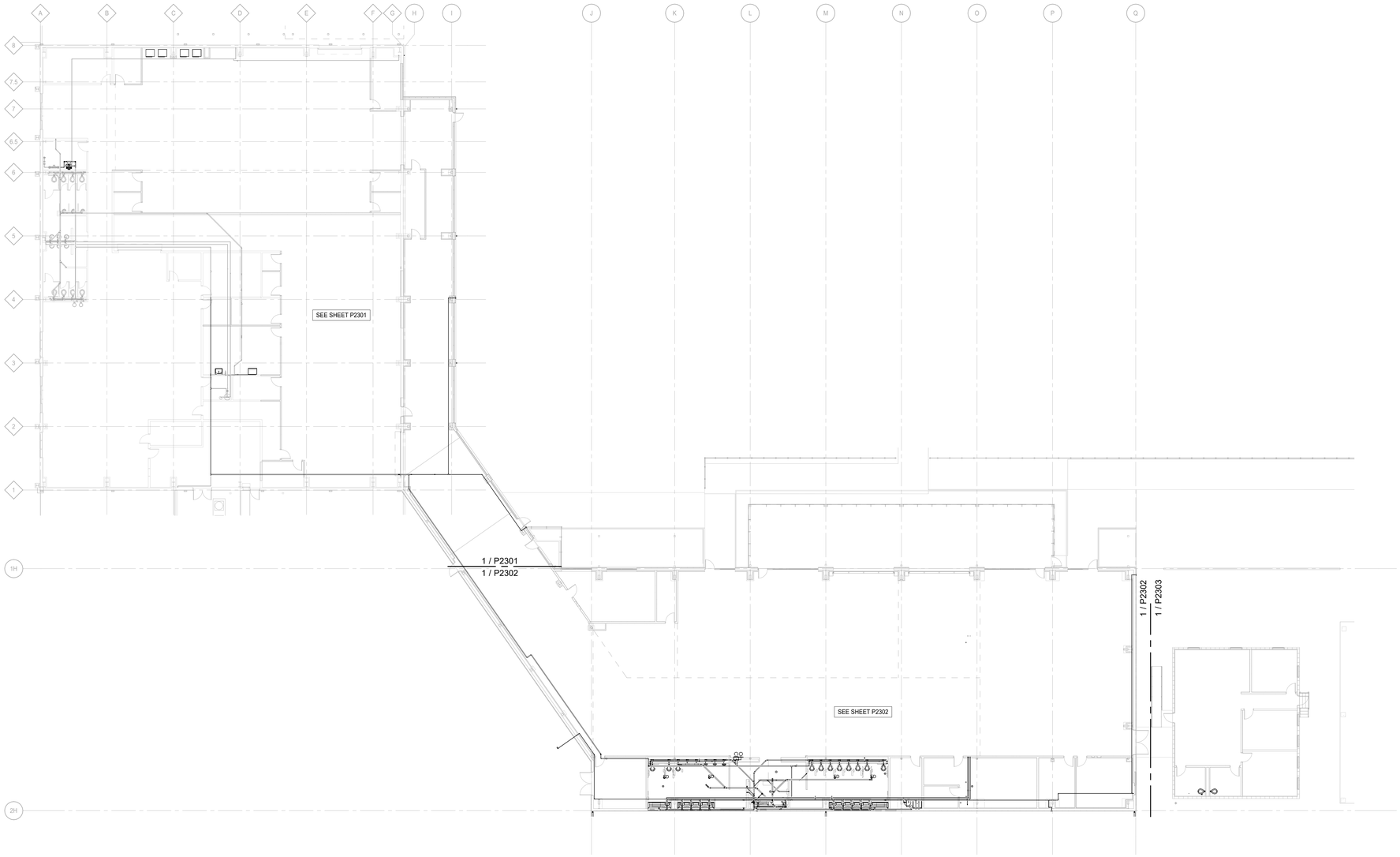
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PROJECT #: 20250023

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1 PLUMBING ABOVE SLAB PLAN - OVERALL

1 / P2201

SCALE: 1/16" = 1'-0"

SCALE: 0' 4' 8' 16' 32'

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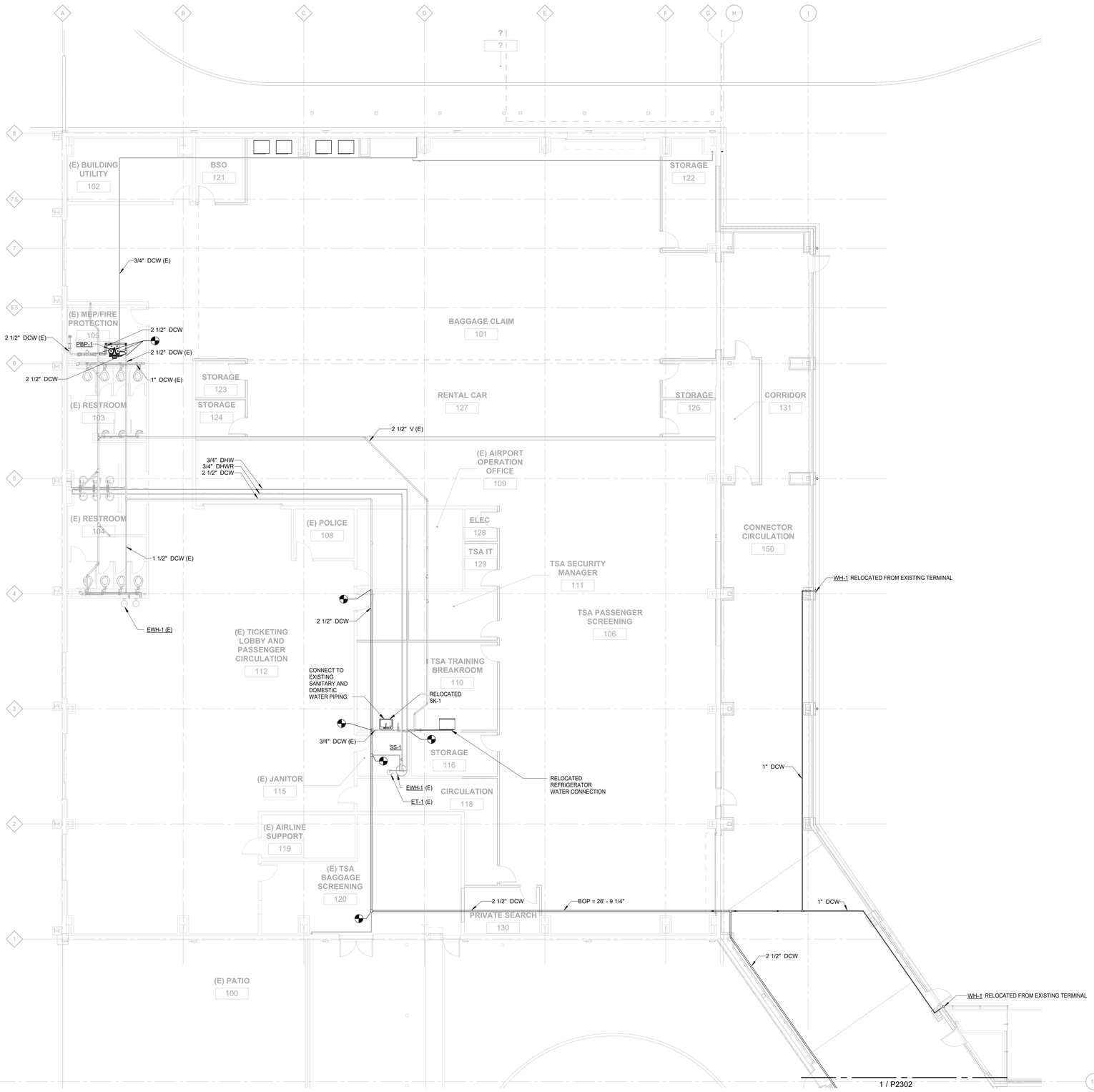
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1 P2301 PLUMBING ABOVE SLAB PLAN - TERMINAL

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

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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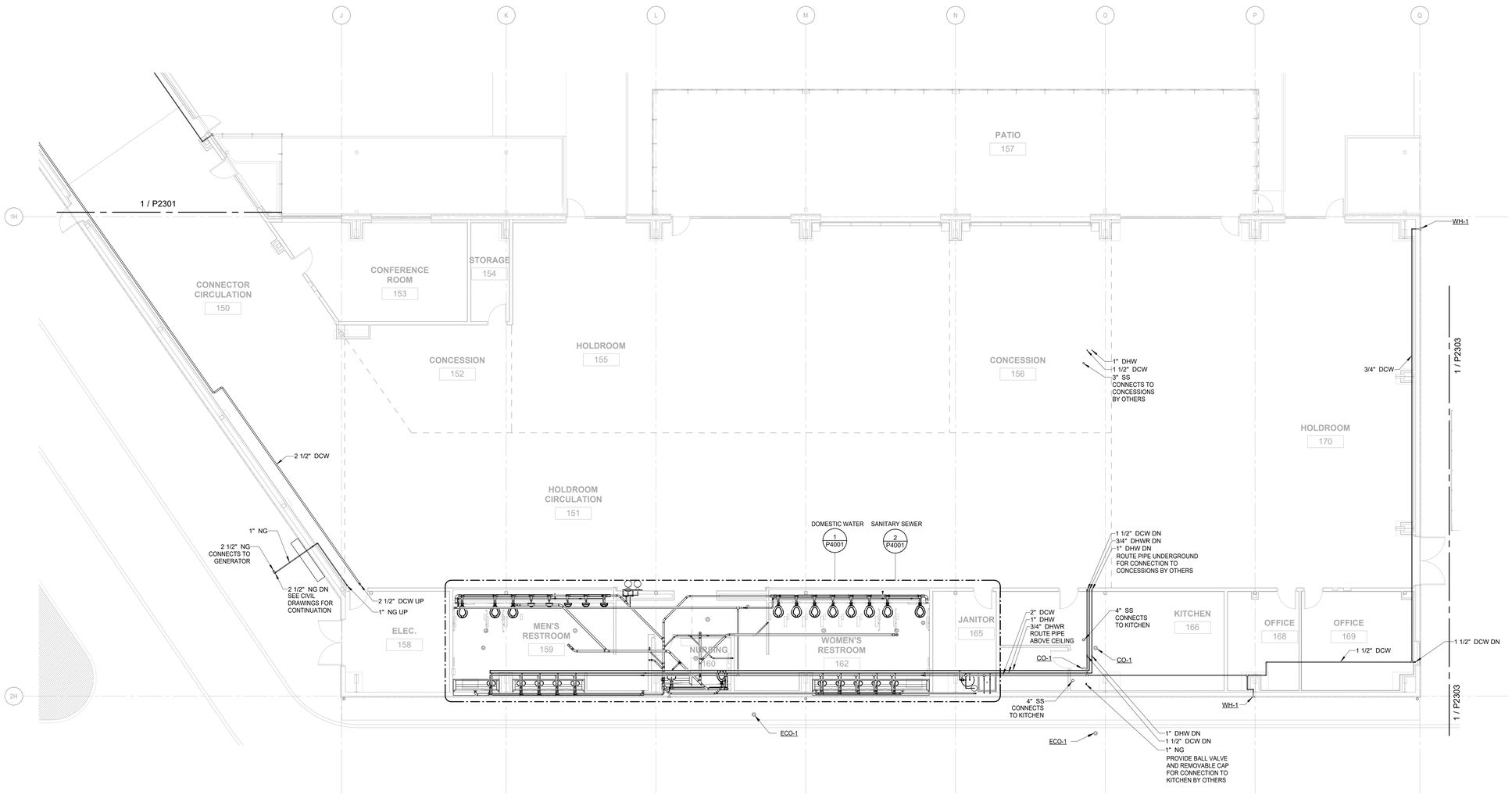
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PROJECT #: 20250023

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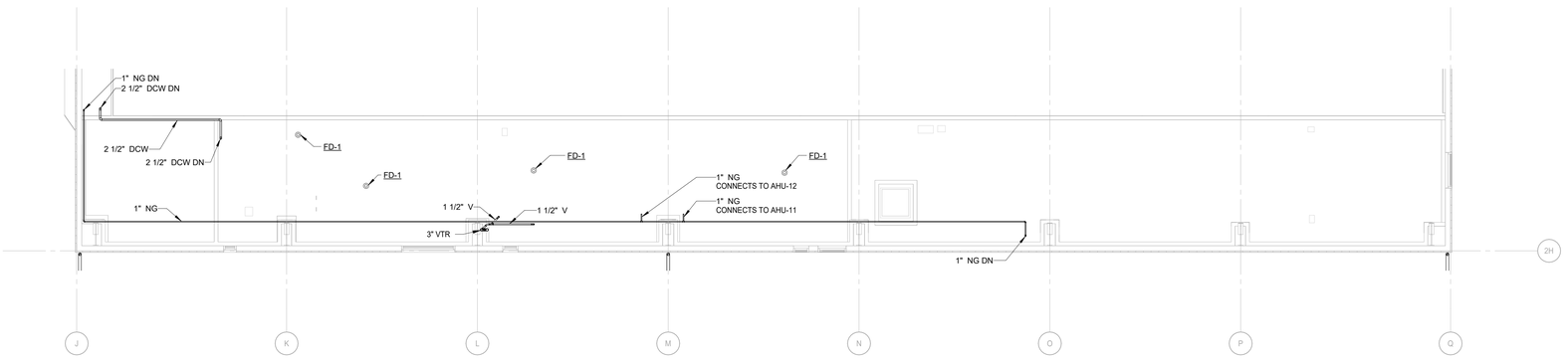
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1 P2302 PLUMBING ABOVE SLAB PLAN - HOLDROOM

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



2 P2302 PLUMBING FLOOR PLAN - MECHANICAL PLATFORM

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

SCALE: 0' 2' 4' 8' 16'

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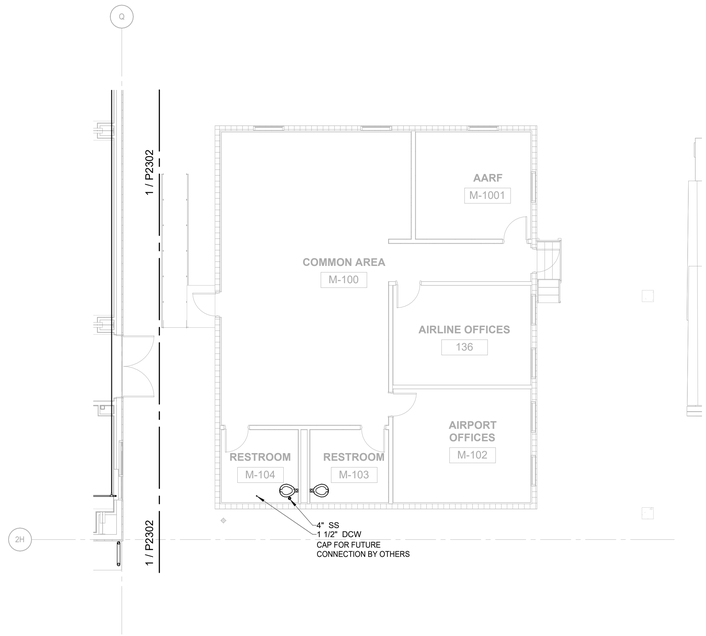
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PLUMBING ABOVE SLAB PLAN - HOLDROOM

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1 / P2303 PLUMBING ABOVE SLAB PLAN - MODULAR BUILDING

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

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 25479
05/01/2026
DAVID ALLEN KINARD

DRAWING TITLE
PLUMBING ABOVE SLAB PLAN - MODULAR BUILDING

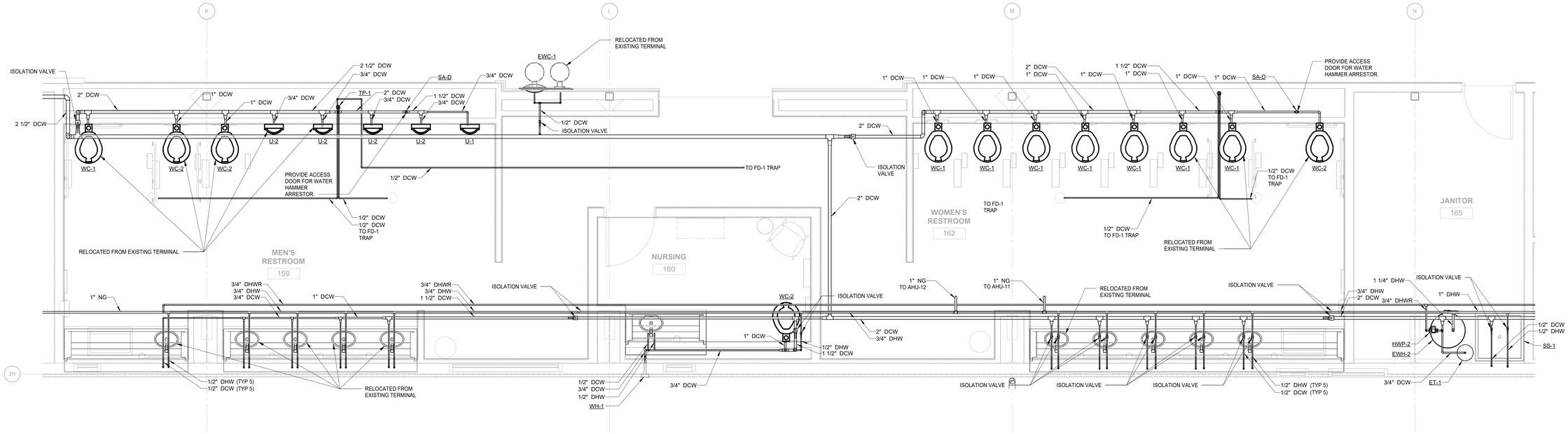
PROJECT #: 20250023

SHEET NUMBER
P2303

SCALE: 0' 2' 4' 8' 16'

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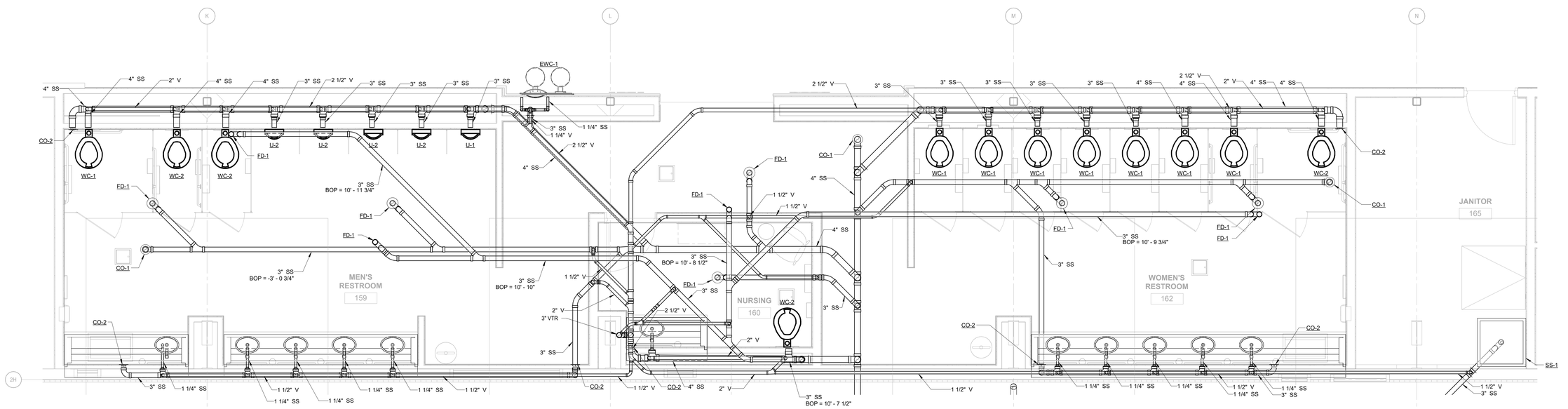
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1 DOMESTIC WATER ENLARGED PLAN

1 / P4001

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



2 SANITARY ENLARGED PLAN

2 / P4001

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

SCALE: 0' 1' 2' 3' 6'

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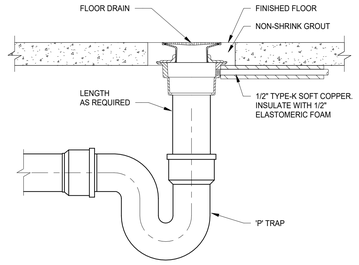
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PROJECT #: 20250023

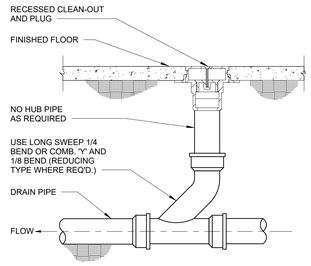
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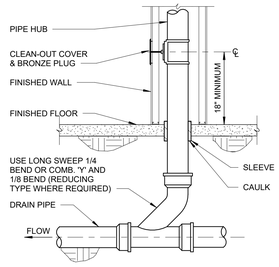
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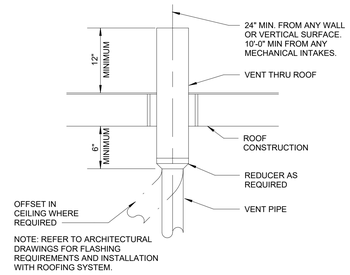
1 P5001 FLOOR DRAIN WITH TRAP PRIMER
NTS



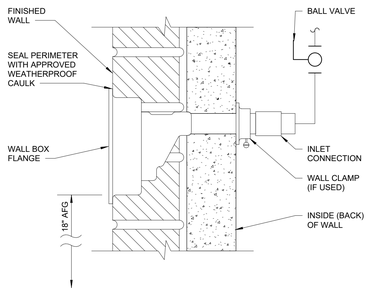
2 P5001 FLOOR CLEANOUT
NTS



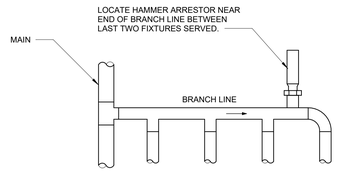
3 P5001 WALL CLEAN-OUT (WCO)
NTS



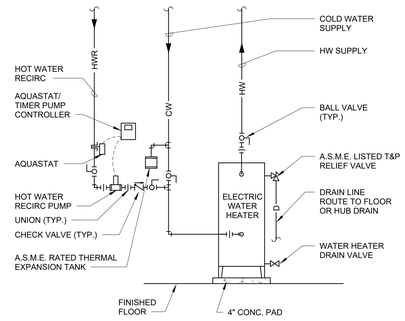
4 P5001 VENT THROUGH ROOF
NTS



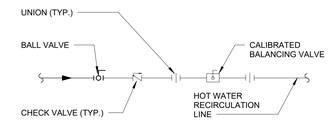
5 P5001 FREEZEPROOF WALL HYDRANT
NTS



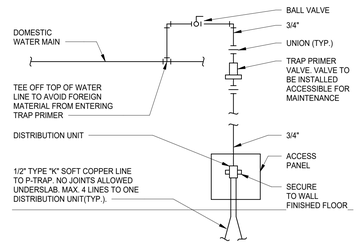
6 P5001 WATER HAMMER ARRESTOR
NTS



7 P5001 ELECTRIC WATER HEATER PIPING
NTS



8 P5001 BALANCING VALVE ASSEMBLY
NTS



9 P5001 TRAP PRIMER
NTS

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TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

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DAVID ALLEN KINCHEN
No. 29479
PROFESSIONAL
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ENGINEER
DAVID ALLEN KINCHEN

DRAWING TITLE
PLUMBING DETAILS

PROJECT #: 20250023

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P5001

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PRESSURE BOOSTER PUMP SCHEDULE

TAG	DESCRIPTION	SERVICE	LOCATION	BLDG. SERVICE ENTRANCE PRESSURE, PSIG	FLOW (GPM)	HEAD (FT)	SUCTION SIZE (IN.)	DISCHARGE SIZE (IN.)	MOTOR			V/PH/HZ	EFFICIENCY (%)	WEIGHT (LBS)	REMARKS
									HP	RPM	AMPS				
PBP-1	PACKAGED TRIPLEX BOOSTER PUMP	DOMESTIC COLD WATER (HIGH PRESSURE)	105 - MEP/FIRE PROTECTION	27.2	120	64.38	4"	4"	5	3465	13.4	480/3/60	62.6	562	1

REMARKS:
1. PROVIDE PACKAGED TRIPLEX BOOSTER PUMP WITH THE FOLLOWING:
   NEMA 1 ENCLOSURE WITH SINGLE POINT POWER CONNECTION
   DIGITAL PROGRAMMABLE LOGIC PUMP CONTROLLER (PLC) WITH TOUCH SCREEN AND BMS COMMUNICATION
   THREE VFDs (ONE PER PUMP) WITH MANUAL OVERLOAD PROTECTION
   EACH PUMP SIZED FOR 120 GPM AND 64.38 FT OF HEAD.

WATER HEATER SCHEDULE

EQUIPMENT TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	RATED CAPACITY (GAL)	LOCATION	RECOVERY RATE (GPH @ 120°F RISE)	RECOVERY RATE (GPH @ 90°F RISE)	WEIGHT (LBS)	WATER CONNECTION SIZE (IN.)	ELECTRIC DATA			REMARKS
										AMPS	KW	V/PH	
EWH-2	ELECTRIC WATER HEATER	LOCHINVAR	LDT-50-TN	55	JAN. 115	19	22	145	3/4	38.0	5.5	208/1	1,2,3

REMARKS/ ACCESSORIES:
1. PROVIDE DRAIN PAN.
2. PROVIDE PRESSURE AND TEMP RELIEF VALVE
3. OR APPROVED EQUAL

PUMP SCHEDULE

EQUIPMENT TAG	SERVICE	MANUFACTURER / MODEL NO.	TYPE	GPM	HEAD (FT.)	WATTS	F.L. AMPS	RPM	V/P/HZ	REMARKS
HWP-2	DOMESTIC HOT WATER	BELL & GOSSETT / NBF-22U	INLINE CIRCULATION PUMP	10	8.5	92	0.8	2940	115/1/60	1,2

REMARKS:
1. PROVIDE BRONZE UNION CONNECTORS
2. PROVIDE AUTOMATIC TIMER AND AQUASTAT.
3. OR APPROVED EQUAL

WATER HAMMER ARRESTOR SCHEDULE

EQUIPMENT TAG	FIXTURE UNIT CAPACITY	CONNECTION SIZE	REMARKS
TYPE A	1-11	3/4"	1,2,3
TYPE B	12-32	1"	1,2,3
TYPE C	33-60	1"	1,2,3
TYPE D	61-113	1"	1,2,3

REMARKS:
1. TESTED AND CERTIFIED BY PDI WH-201.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE STAINLESS STEEL PISTON TYPE WATER HAMMER ARRESTORS AT ALL FAST CLOSING VALVES, AS A MINIMUM AT WATER CLOSETS AND TOILET GROUPS AND AT SINKS ON HOT AND COLD WATER LINES. SIZE SHOCK ARRESTORS PER THE PDI SIZING METHOD BASED ON DRAINAGE FIXTURE UNITS. EXAMPLE: 3 WATER CLOSETS = 30 DRAINAGE FIXTURE UNITS = TYPE C, 1" ARRESTOR.

PLUMBING FIXTURE CONNECTION SCHEDULE

EQUIPMENT TAG	FIXTURE	C.W.	H.W.	WASTE	VENT	REMARKS
CBV-1	CALIBRATED BALANCING VALVE	---	---	---	---	BELL AND GOSSETT CIRCUIT SETTER OR EQUAL, CALIBRATED BALANCING VALVE, LEAD FREE BALL VALVE WITH MEMORY STOP.
CO-1	CLEANOUT - INTERIOR - FLOOR	---	---	SEE PLAN	---	ZURN ZN1400-K DURA-COATED CAST IRON BODY WITH ANCHOR FLANGE, THREADED TOP ASSEMBLY, AND ROUND GASKETED SCORED COVER IN SERVICE AREAS AND ROUND GASKETED DEPRESSED COVER FOR FLOOR FINISH IN FINISHED AREAS, PROVIDE CARPET MARKER WHERE REQ.
CO-2	CLEANOUT - WALL	---	---	SEE PLAN	---	ZURN ZN1443-BP SQUARE STAINLESS STEEL ACCESS COVER AND FRAME SECURED WITH MACHINE SCREWS WITH CAST IRON BODY, ROUND NO-HUB CLEANOUT WITH BRASS PLUG.
ECO-1	CLEANOUT - EXTERIOR	---	---	SEE PLAN	---	ZURN ZN-1400-HD ROUND, CAST NICKEL BRONZE ACCESS FRAME, WITH VANDAL-PROOF SCREWS.
ET-1	THERMAL EXPANSION TANK	3/4"	---	---	---	AMTROL THERM-X-TROL ST-5C, PROVIDE WITH MINIMUM 2 GAL TANK VOLUME, 0.9 GAL ACCEPTANCE VOLUME, FACTORY PRE-CHARGE 55 PSIG, ASME RATED, 150 PSIG WORKING PRESSURE. EXISTING RELOCATED.
EWC-1	ELECTRIC WATER COOLER HIGH LOW	1/2"	---	1 1/4"	1 1/4"	ELKAY EMABFTL8WSLK SURFACE-MOUNTED BARRIER-FREE BI-LEVEL ELECTRIC WATER COOLER, BOTTLE FILLING STATION, STAINLESS STEEL TOP, 3-SIDE EASY TOUCH CONTROLS, FLEXIBLE HOODED STREAM PROTECTOR AND FLOW LIMITER, LEAD FREE WATERWAYS, 8.0 GPM OF 50 DEGREE WATER, 370 WATTS, POWER PLUG, 115/1/60, FLA 6. EXISTING RELOCATED.
FD-1	FLOOR DRAIN	---	---	3"	2"	ZURN Z415B-VP DURA-COATED CAST IRON, 2 PIECE BODY FLOOR DRAIN WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, ROUND ADJUSTABLE NICKEL-BRONZE STRAINER WITH VANDAL-PROOF SCREWS. PROVIDE WITH ELASTOMERIC BARRIER-TYPE TRAP SEAL PROTECTION DEVICE CONFORMING TO ASSE 1072.
GI-1	GREASE INTERCEPTOR	---	---	2"	2"	ZURN GT2700-7 GREASE INTERCEPTOR WITH CORROSION-RESISTANT COATED FABRICATED STEEL WITH NO-HUB CONNECTIONS, FLOW DIFFUSING BAFFLE, INTEGRAL TRAP, AND VENTED INLET FLOW CONTROL DEVICE.
L-1	LAVATORY WALL HUNG 20 X 18 ADA COMPLIANT	1/2"	1/2"	1 1/4"	1 1/4"	ZURN Z5114 VITREOUS CHINA LAVATORY, COUNTERTOP, 20 X 17 INCH MINIMUM, 4" CENTERS, SELF RIMMING FRONT OVERFLOW, ADA COMPLIANT. ZURN Z8800 SERIES STOP WITH FLEXIBLE SUPPLIES; Z8746-PC ADA GRID STRAINER; Z8700 SERIES P-TRAP; Z8946-3-NT ADA TRAP, STOP AND SUPPLY PROTECTORS FOR OFFSET GRID STRAINERS, ZURN Z6915-XL AQUASENSE BATTERY POWERED FAUCET. ADA COMPLIANT.
SA-A,D	SHOCK ARRESTER	---	---	---	---	ZURN Z1700 SERIES STAINLESS STEEL CONSTRUCTION ARRESTER, BELLOWS TYPE, SIZED PER PDIWH-201, PRE-CHARGED, OPERATING TEMPERATURE RANGE OF -100 TO 300 DEGREES, MAXIMUM 250 PSI WORKING PRESSURE.
SK-1	SINK STAINLESS COUNTER TOP 33 X 21 DOUBLE COMPARTMENT	1/2"	1/2"	2"	1 1/4"	ELKAY LR-3322 TYPE 302 STAINLESS STEEL SINK, DOUBLE COMPARTMENT, 18 GAGE, 33 X 22 X 7 7/8" OUTSIDE DIMENSION, SELF-RIMMING, UNDERCOATING, 3 HOLE, GRID STRAINER AND TAILPIECE, ADA COMPLIANT; ELKAY LK6000 1.5 GPM SINGLE HOLE DECK FAUCET WITH PULL-DOWN SPRAY, INCLUDE ESCUTCHEON COVER PLATE. EXISTING RELOCATED.
SS-1	SERVICE SINK FLOOR BASIN CORNER	1/2"	1/2"	3"	1 1/2"	STERN-WILLIAMS SBC-1700 CORNER MODEL MOLDED STONE SINK, FLOOR BASIN, 24 X 24 X 12" HIGH BOWL, 6" DROP FRONT, STAINLESS STEEL CAP AND CHROME PLATED STRAINER, 12" HIGH STAINLESS STEEL TWO WALL SPLASH PANELS; SYMMONS T-15-VB WALL TYPE COMBINATION SUPPLY WITH POLISHED CHROME FINISH , SPOUT WALL BRACE, VACUUM BREAKER, HOSE END SPOUT. PROVIDE WALL MOUNTED MOP RACK.
TP-1	TRAP PRIMER	3/4"	---	---	---	PRECISION PLUMBING PRODUCTS PR500-DU-4 FULLY AUTOMATIC, ALL BRASS, NON-ADJUSTABLE TRAP PRIMER WITH INTEGRAL VACUUM BREAKER PORT, BACKFLOW PREVENTER SEAL, AND 4-SUPPLY DISTRIBUTION UNIT. VALVE ACTIVATES ON DROP IN BUILDING WATER PRESSURE.
U-1	URINAL 0.5 GPF ADA COMPLIANT	3/4"	---	3"	1 1/2"	SLOAN SU-1009 VITREOUS CHINA WASHDOWN URINAL, ADA COMPLIANT, TOP SPUD INLET, VANDEL RESISTANT STRAINER, USE MANUFACTURER'S SUGGESTED CARRIER. SLOAN G2-8186-.5-CO SENSOR FLUSHOMETER, 0.5 GPF, LOW BATTERY FLASHING LIGHT, SHALL HAVE OPERATING PRESSURE AT 15 PSI. ADA COMPLIANT.
U-2	URINAL 0.5 GPF	3/4"	---	3"	1 1/2"	SLOAN SU-1009 VITREOUS CHINA WASHDOWN URINAL, ADA COMPLIANT, TOP SPUD INLET, VANDEL RESISTANT STRAINER, USE MANUFACTURER'S SUGGESTED CARRIER. SLOAN G2-8186-.5-CO SENSOR FLUSHOMETER, 0.5 GPF, LOW BATTERY FLASHING LIGHT, SHALL HAVE OPERATING PRESSURE AT 15 PSI
VTR	VENT THRU ROOF	---	---	---	SEE PLAN	OATEY 11910 NO-CAULK VENT THRU ROOF, NON-FADING AND NON-CRACKING RIGID BLACK THERMOPLASTIC BASE, 180 DEGREE RATED CONTINUOUS HEAT.
WC-1	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED ADA COMPLIANT	1"	---	4"	2"	SLOAN ST-2459 WHITE ELONGATED VITREOUS CHINA WALL-MOUNTED WATER CLOSET, 750 LBS STATIC LOAD RATING, BEMIS SEAT 1955CT-000, USE MANUFACTURER'S SUGGESTED CARRIERS. SLOAN SOLIS 8111 1.6 BATTERY OPERATED FLUSH VALVE. FLUSH VALVE SHALL HAVE OPERATING PRESSURE AT 15 PSI. ADA COMPLIANT.
WC-2	WATER CLOSET FLUSH VALVE 1.6 GPF WALL MOUNTED	1"	---	4"	2"	SLOAN ST-2459 WHITE ELONGATED VITREOUS CHINA WALL-MOUNTED WATER CLOSET, 750 LBS STATIC LOAD RATING, BEMIS SEAT 1955CT-000, USE MANUFACTURER'S SUGGESTED CARRIERS. SLOAN SOLIS 8111 1.6 BATTERY OPERATED FLUSH VALVE. FLUSH VALVE SHALL HAVE OPERATING PRESSURE AT 15 PSI
WH-1	WALL HYDRANT	3/4"	---	---	---	ZURN Z1300 CAST BRONZE NON-FREEZE WALL HYDRANT WITH - HANDLE, CHROME PLATED ROUGH CAST BRONZE BOX, HINGED LATCHING COVER. BRONZE CASTING, NEOPRENE PLUNGERS, REMOVABLE NYLON SEATS, REMOVABLE BRONZE OPERATING PARTS, 3/4" FEMALE AND 1" MALE NPT, INLET CONNECTION FOR COLD WATER AND A 3/4" NPT OUTLET , MOUNT 24" ABOVE FINISHED GRADE.

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

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No. 23479
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DAVID ALLEN KINCAID

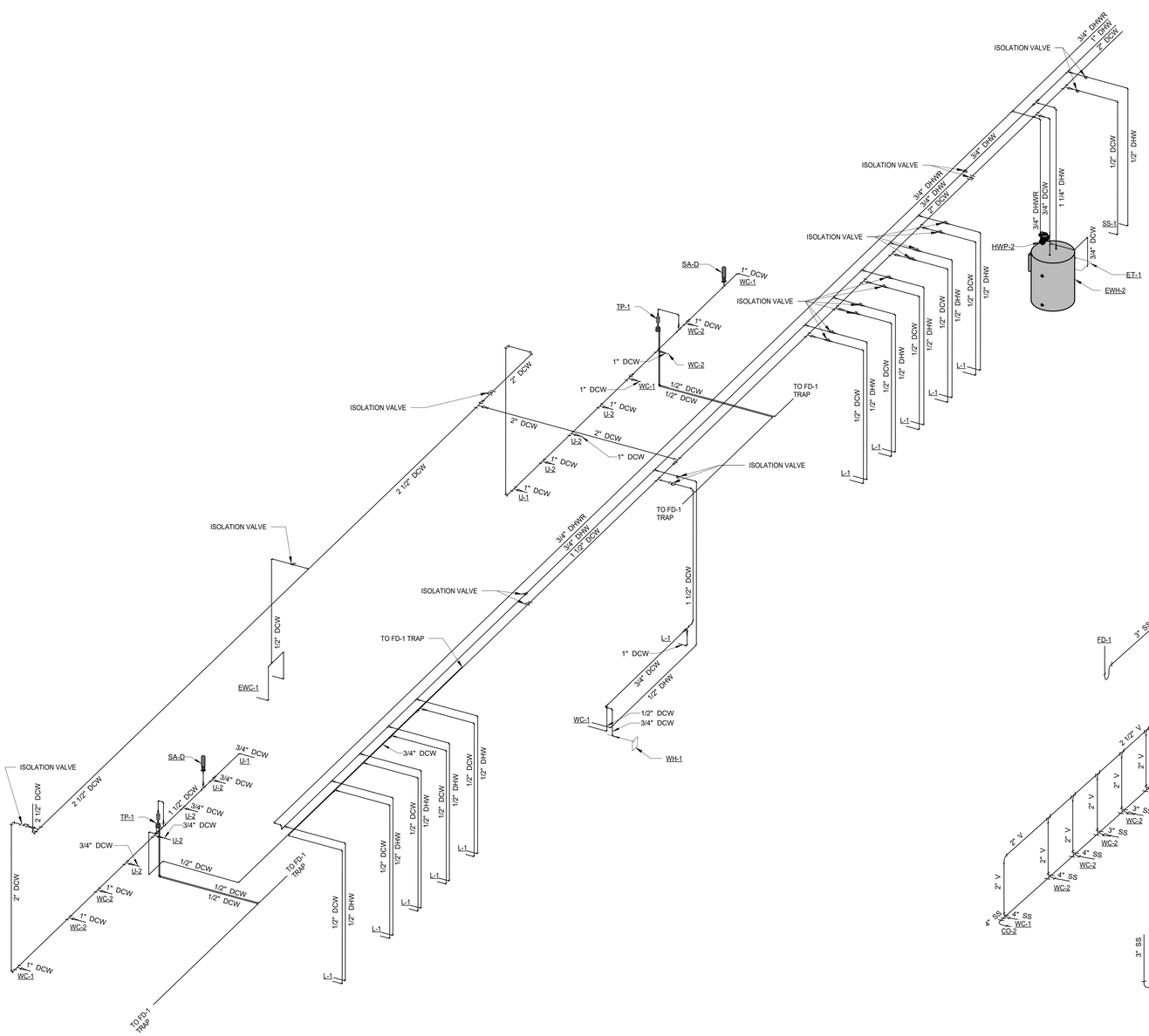
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PLUMBING SCHEDULES

PROJECT #: 20250023

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P6001

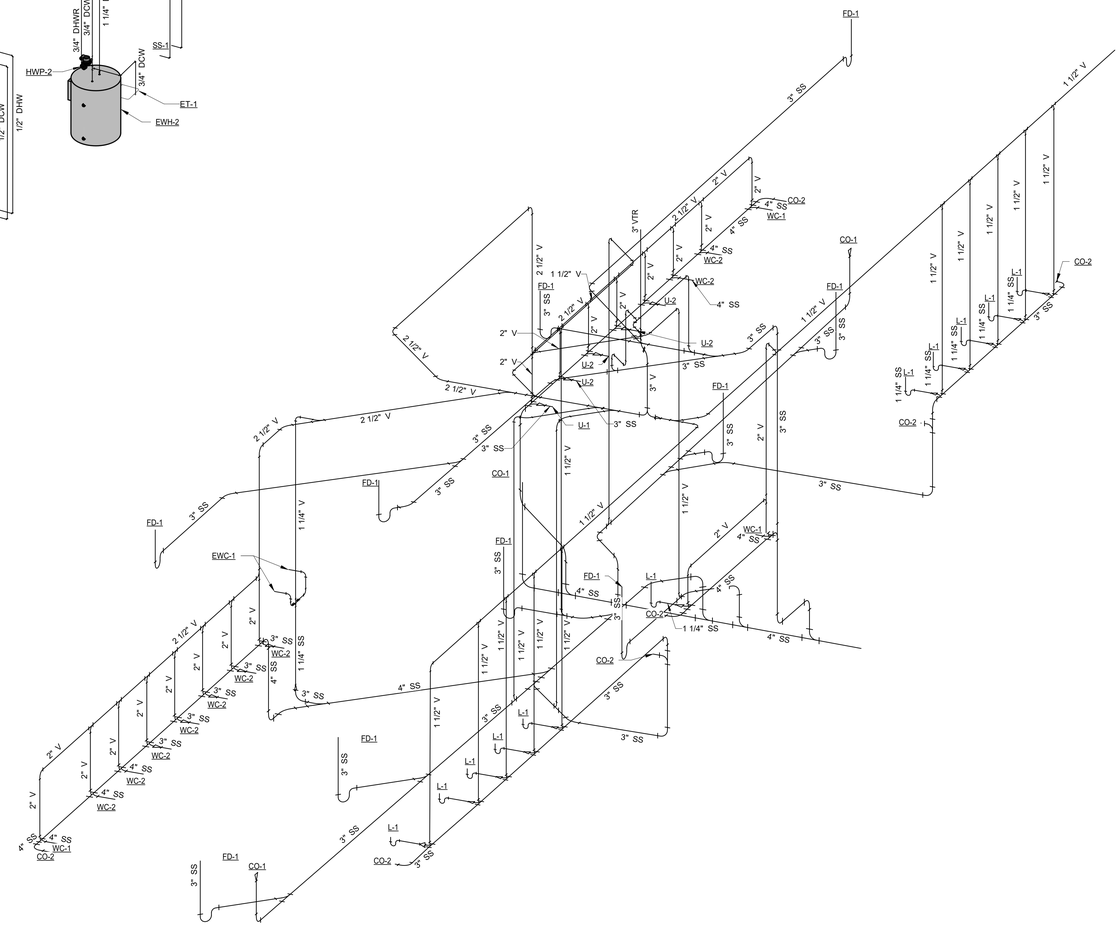
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1 DOMESTIC WATER ISOMETRIC
P8001

NTS



2 SANITARY PLUMBING ISOMETRIC
P8001

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ALABAMA LICENSED PROFESSIONAL ENGINEER No. 23479 05/01/2026 DAVID ALLEN KIRKMAN

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HVAC LEGEND

SYMBOL	DESCRIPTION	ABBV.
	NEW DUCTWORK	
	EXISTING DUCTWORK (TO REMAIN)	
	EXISTING DUCTWORK TO BE REMOVED	
12"x12"	RECTANGULAR DUCTWORK	
12" Ø	ROUND DUCTWORK	
12"/12" Ø	FLAT OVAL DUCTWORK	
	SUPPLY AIR CEILING DIFFUSER	CD
	3-WAY SUPPLY AIR GRILLE/REGISTER	SAG/SAR
	2-WAY SUPPLY AIR CEILING DIFFUSER	CD
	1-WAY SUPPLY AIR CEILING DIFFUSER	CD
	SUPPLY AIR CEILING DIFFUSER	CD
	RETURN AIR GRILLE / REGISTER	RAG / RAR
	EXHAUST GRILLE / REGISTER	EG / ER
	LINEAR SLOT DIFFUSER	LD
	SIDEWALL SUPPLY AIR GRILLE/REGISTER	SAG/SAR
	SIDEWALL RETURN AIR GRILLE/REGISTER	RAG/RAR
	DUCT MTD. SIDEWALL SUPPLY AIR GRILLE/REGISTER	SAG/SAR
	SUPPLY DUCT RISE/DROP	
	RETURN DUCT RISE/DROP	
	EXHAUST DUCT RISE/DROP	
	DOOR GRILLE	DG
	UNDERCUT DOOR	UC
WxD TD	LINED RETURN TRANSFER DUCT ABOVE CEILING (SIZE AS INDICATED)	TD
	SQUARE ELBOW WITH DOUBLE THICKNESS TURNING VANES	
	MANUAL VOLUME DAMPER	MVD
	FLEXIBLE DUCT CONNECTOR	FLEX.CONN.
	AIRFLOW DIRECTION RETURN / EXHAUST	
	AIRFLOW DIRECTION SUPPLY	
OFE	OWNER-FURNISHED EQUIPMENT	
AFF	ABOVE FINISHED FLOOR	
BOD/P/F	BOTTOM OF DUCT/PIPE/FAN	
NIC	NOT IN CONTRACT	
FBO	FURNISHED BY OTHERS	
##"Ø X-# CFM	DIFFUSER NECK SIZE DIFFUSER SCHEDULE AIRFLOW (CFM) NOTE: DUCT RUNOUT TO NECK SAME SIZE UNLESS OTHERWISE NOTED	
N #"	INDICATES STATIC PRESSURE CLASS (INCHES W.G.) FROM THIS POINT IN DIRECTION OF ARROW SUPERSCRIPT INDICATES NEGATIVE PRESSURE ON DUCT	
#/#	INDICATES CHANGE IN STATIC PRESSURE CLASS (INCHES W.G.) FROM THIS POINT IN DIRECTION OF ARROW	

PIPING LEGEND

SYMBOL	DESCRIPTION	ABBV.
	EXISTING (TO REMAIN)	
	NEW CONSTRUCTION	
	DEMOLITION	
	CHILLED WATER SUPPLY	CHWS
	CHILLED WATER RETURN	CHWR
	CONDENSATE DRAIN (INSULATED)	CD
	REFRIGERANT PIPING (LIQUID, SUCTION, HOT GAS)	RP
	GATE VALVE	
	CHECK VALVE	
	BUTTERFLY VALVE	
	BALL VALVE	
	GAS COCK	
	GLOBE VALVE	
	3-WAY MODULATING VALVE	
	PIPE ANCHOR	
	UNION IN LINE	
	CAP OR PLUG	
	TEE	
	ELBOW	
	THERMOMETER	
	PRESSURE GAUGE & GAUGE COCK	
	DIRECTION OF FLOW	
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	RPBP
AFF	ABOVE FINISHED FLOOR	AFF
BFF	BELOW FINISHED FLOOR	BFF
AFG	ABOVE FINISHED GRADE	AFG
O.F.E.	OWNER FURNISHED EQUIPMENT	O.F.E.
	REFER TO NOTE NO.	
	CONNECT TO EXISTING	
	REMOVE TO THIS POINT	
	RISER DIAGRAM IDENTIFICATION	
N.I.C.	NOT IN CONTRACT	
F.B.O.	FURNISHED BY OWNER	
(E)	EXISTING	
T	THERMOSTAT	
FC	FAN CONTROLLER	
	REMOVE PIPE AND CAP EXISTING TO REMAIN	
	CONNECTION POINT, NEW TO EXISTING	
	CALIBRATED BALANCING VALVE	
	PRESSURE / TEMPERATURE PORT	
	FLEXIBLE CONNECTION	
	BUTTERFLY VALVE	
M	MOTORIZED BUTTERFLY VALVE	
	THERMOMETER	
	PRESSURE GAUGE & GAUGE COCK	
FM	FLOW METER	
	PIPE REDUCER (CONCENTRIC)	
	PIPE REDUCER (ECCENTRIC)	
T	TEMPERATURE SENSOR WITH WELL	
	ORIFICE PLATE FLOWMETER	

CODES AND STANDARDS

BUILDING CODE:	INTERNATIONAL BUILDING CODE - 2024
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE - 2024
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE - 2024
FUEL GAS CODE:	INTERNATIONAL FUEL GAS CODE - 2024
ELECTRICAL CODE:	NATIONAL ELECTRIC CODE (NEC) - 2023
ENERGY CODE	INTERNATIONAL ENERGY CONSERVATION CODE - 2015

SITE LOCATION

STATE / COUNTY:	AL / BALDWIN
CLIMATE ZONE:	2A
ELEVATION:	16 FEET

OUTDOOR DESIGN TEMPERATURES

STATION NAME, STATE, USA (WMO: 720381)	SUMMER		
	93.9°F DB	78.9°F WB	0.4% COOLING
	WINTER		
	30.3°F DB		99.6% HEATING

INDOOR DESIGN TEMPERATURES

	COOLING		HEATING
COMFORT COOLING	75° F	50 % RH	75° F

DUCT CONSTRUCTION & SEALING

GENERAL NOTES:
A. REFER TO SPECIFICATIONS FOR DUCT CONSTRUCTION OPTIONS: SHEET METAL DUCT; INTERIOR LINING; EXTERIOR INSULATION, ETC.
B. LEAKAGE CLASS NUMBERS ARE FOR RECTANGULAR / ROUND METAL DUCT.

DUCT SYSTEM	S.M.A.C.N.A. CLASS		
	S.P. CONST.	SEAL CLASS	LEAKAGE CLASS
SUPPLY UPSTREAM OF VAV BOXES	+ 3.0"	A	16/8
ALL OTHER SUPPLY DUCTWORK	+ 1.0"	A	16/8
OUTSIDE AIR DUCTWORK & PLENUMS	+ 1.0"	A	16/8
RELIEF AIR DUCTWORK & PLENUMS	- 1.0"	A	16/8
EXHAUST DUCTWORK	- 1.0"	A	16/8
ANY DUCTWORK NOT LISTED ABOVE	± 1.0"	A	16/8

SEISMIC CRITERIA

OCCUPANCY CATEGORY:	II	COMPONENT IMPORTANCE FACTOR:
SITE CLASS:	D	1.5 FOR NATURAL GAS DISTRIBUTION SYSTEMS AND NATURAL GAS EQUIPMENT.
SEISMIC DESIGN CATEGORY:	B	1.0 FOR ALL OTHER SYSTEMS
EXEMPTIONS PER ASCE 7-10 13.1.4	THE FOLLOWING NON-STRUCTUAL COMPONENTS ARE EXEMPT FROM SEISMIC BRACING REQUIREMENTS: MECHANICAL AND ELECTRICAL COMPONENTS IN SEISMIC DESIGN CATEGORY B	

MECHANICAL GENERAL NOTES:

1. FURNISH LABOR, INSTALL MATERIALS AND EQUIPMENT, AND INCLUDE SERVICES AND INCIDENTALS PROPER TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
2. ALL CONTRACTORS INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, PLUMBING, AND CONTROLS SHALL NOT INSTALL HARDWARE, ELECTRICAL CONDUITS, EQUIPMENT, ETC. THAT OBSTRUCTS THE ACCESSIBILITY OF EQUIPMENT EITHER ABOVE CEILING OR BELOW IT. THIS INCLUDES BUT IS NOT LIMITED TO EQUIPMENT SUCH AS VAV AIR TERMINALS,WSHP'S FAN COIL UNITS, PUMPS, VALVES, STRAINERS, EXHAUST FANS, ELECTRICAL DISCONNECTS, FIRE OR SMOKE DAMPERS, DUCT ACCESSES, ETC...
3. THE CONTRACTOR TO OBTAIN AND PAY FOR REQUIRED PERMITS, FEES AND INSPECTIONS FOR THE PROJECT.
4. PROVIDE EQUIPMENT THAT BEARS ACCEPTANCE LABEL FROM CERTIFIED TESTING LABORATORY (UL OR OTHER).
5. COORDINATE WITH OTHER TRADES, SPECS AND DRAWINGS, AND OWNER'S DIRECTIONS.PROVIDE NECESSARY OFFSETS IN PIPING, AND DUCTWORK AS REQUIRED TO ACCOMMODATE INSTALLATION. CONTRACTOR SHALL ALLOW FOR ANY CONFLICTS ENCOUNTERED.
6. EQUIPMENT SELECTION AS SHOWN ON THE DRAWING IS FOR DESIGN PURPOSES ONLY. ACTUAL INSTALLED EQUIPMENT MAY DIFFER FROM THAT SHOWN. EQUIPMENT PERFORMANCE CHARACTERISTICS AND TYPE ARE THE GOVERNING FACTORS IN SUBSTITUTION "OR EQUAL" COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.
7. THE MECHANICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS, CHANGES IN DUCTWORK ELEVATIONS NECESSARY FOR COMPLETE INSTALLATION, OR SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATION. DETAILS AND ASSEMBLY DRAWINGS ARE SPECIFIC AND SHOULD BE CLOSELY FOLLOWED.
8. INSTALL THE MECHANICAL SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, NFPA 90A, NFPA 54, ETC. PROVIDE ALL CLEARANCES, AS REQUIRED BY CODE AND MANUFACTURER'S INSTRUCTIONS, FOR ALL MECHANICAL EQUIPMENT
9. ALL DUCT DIMENSIONS ARE INSIDE CLEAR SIZES.
10. DUCTWORK ELBOWS WILL BE RADIUS TYPE WHERE INSTALLATION PERMITS. CENTERLINE RADIUS WILL BE NOMINALLY 1.5 X W. WHERE A RADIUS TYPE ELBOW IS NOT FEASIBLE, ELBOW WILL BE SQUARE THROATED TYPE WITH TURNING VANES.
11. INSTALL BALANCING DAMPERS AT BRANCH DUCT TAKE-OFFS AND AT DUCT RUNOUTS ON END OF RUNS.
12. INSTALL SLEEVES WHERE DUCTS OR PIPING PENETRATE FOUNDATION WALLS, PARTITIONS, FLOOR OR ROOF. PACK AROUND SLEEVES AND SEAL WEATHER TIGHT. INSTALL FLASHING AS REQUIRED.
13. UNLESS OTHERWISE NOTED, MOUNT WALL THERMOSTATS AT ADA REQUIRED HEIGHTS (MAX HEIGHT = 48" AFF) COORDINATE FINAL LOCATION WITH ELECTRICAL DEVICES, ARCHITECT, AND OWNER'S REPRESENTATIVES.
14. INSTALL CONTROLS IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS. CONTROL TRADES SHALL PROVIDE STARTERS, POWER, DISCONNECT SWITCH, FEEDERS AND INTERLOCKS FOR ALL MOTORIZED DAMPERS AND ACTUATORS.
15. COORDINATE LOCATION OF CEILING AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN, FIRE SPRINKLER HEAD LOCATIONS, AND INSTALLED GRILLED SYSTEM.
16. COORDINATE THE LOCATIONS OF EQUIPMENT TO PROVIDE NECESSARY CLEARANCES FOR MAXIMUM PERFORMANCE AND MAINTENANCE.
17. INSTALLATION SHALL MAINTAIN A MINIMUM CLEARANCE OF 6 INCHES BETWEEN ALL PIPING AND DUCTWORK THAT ARE PARALLEL TO OR ADJACENT TO ALL FIRE AND FIRE/SMOKE RATED WALLS TO FACILITATE THE INSPECTION OF THESE WALLS.
18. ACCESS DOORS: PROVIDE ACCESS DOORS FOR ALL EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE OR SERVICE; AND THAT IS CONCEALED BEHIND NON-ACCESSIBLE WALL OR CEILING CONSTRUCTION. TYPICALLY ACCESS PANELS ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SIZING OF ACCESS DOORS TO PERMIT REQUIRED ACCESS FOR ROUTINE MAINTENANCE OPERATIONS. ACCESS PANELS ARE SHOWN ON THE DRAWINGS ONLY WHEN THEIR SIZE OR LOCATION MUST BE COORDINATED WITH ADJACENT CONSTRUCTION, OR IF THEY ARE TO BE CUSTOM MADE FOR THE PROJECT.

MECHANICAL DEMOLITION NOTES:

1. VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO BEGINNING WORK. SURVEY JOB SITE OBTAIN A FULL UNDERSTANDING OF THE WORK INVOLVED IN CONNECTION WITH EXISTING CONDITIONS. ADDITIONAL FEES WILL NOT BE PAID FOR MISSING OR OVERLOOKED CONDITIONS REQUIRING ADDITIONAL WORK IF DETERMINED BY THE ENGINEER THAT SAID CONDITIONS COULD HAVE BEEN REASONABLY DETECTED DURING THE JOB SURVEY.
2. REMOVE AND DISPOSE OF DEMOLISHED MATERIALS OFF-SITE IN A MANNER CONFORMING TO STATE AND LOCAL REGULATIONS AND AT NO ADDITIONAL EXPENSE TO OWNER UNLESS INDICATED TO BE REUSED.
3. THE OWNER RESERVES THE RIGHT TO RETAIN ANY OR ALL DEMOLISHED MATERIALS. COORDINATE EQUIPMENT SHOWN TO BE DEMOLISHED WITH OWNER FOR POTENTIAL SALVAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF EQUIPMENT FROM SITE IF NOT TURNED OVER TO OWNER.
4. SCOPE OF DEMOLITION OF MATERIALS IDENTIFIED ON PLAN INCLUDES ANY ASSOCIATED ANCILLARY MATERIAL NOT TO BE RE-USED. THIS INCLUDES, BUT IS NOT LIMITED TO: INSULATION, HANGARS, MOUNTING BRACKETS, HANGAR ROD, CONDUIT, AND CONDUCTORS.
5. TURN OVER ALL DEMOLISHED CONTROL COMPONENTS TO OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO: EQUIPMENT CONTROL PANELS, SENSORS, ACTUATORS, RELAYS, AND METERS.
6. WHERE SCOPE OF DEMOLITION WORK RESULTS IN AN OPEN WALL, FLOOR, OR ROOF PENETRATION, PATCH OPENING IN ACCORDANCE WITH ARCHITECTURAL AND STRUCTURAL DETAILS. WHERE ASSEMBLY IS FIRE RATED, PATCH OPENINGS WITH U.L. LISTED METHOD THAT MAINTAINS FIRE RATING OF ASSEMBLY.
7. ALL EQUIPMENT THAT IS TO BE RELOCATED AND EMPLOYS REFRIGERANT SHALL HAVE REFRIGERANT RECOVERED, STORED, AND RECHARGED BY AN EPA-LICENSED TECHNICIAN.
8. WHERE INSTALLATION OF NEW MECHANICAL SCOPE WILL CLASH WITH EXISTING BUILDING SYSTEMS, SUCH AS FIRE PROTECTION AND ELECTRICAL, COORDINATE WITH OTHER TRADES AS NEEDED TO IMPLEMENT MECHANICAL SCOPE OF WORK.

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GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 29479
05/01/2026
DAVID ALLEN KINCAID

DRAWING TITLE
MECHANICAL GENERAL NOTES AND LEGEND

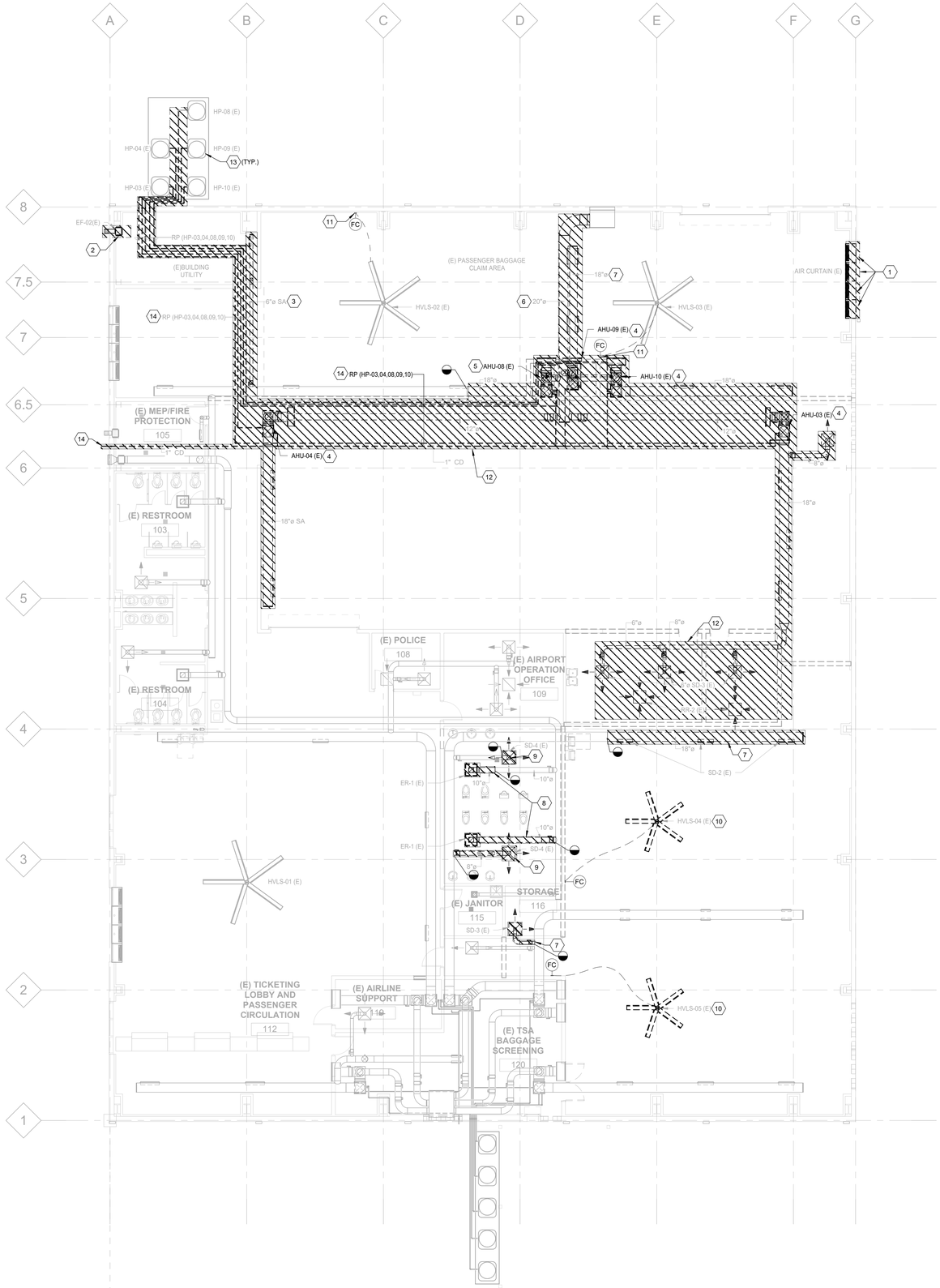
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PRINT SHEET IN COLOR



1 M1501 **MECHANICAL DEMOLITION FLOOR PLAN - TERMINAL**

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

KEY NOTES:

1. SALVAGE AIR CURTAINS AND CONTROLLERS AND GIVE TO OWNER. PATCH AND SEAL WALL TO MATCH EXISTING.
2. SALVAGE EF-2, ASSOCIATED DUCTWORK, CONTROLS, WALL HOOD AND GIVE TO OWNER. PATCH AND SEAL WALL TO MATCH EXISTING.
3. SALVAGE 6" SUPPLY DUCT AND AIR TERMINALS. REUSE IN NEW CONSTRUCTION.
4. SALVAGE AHU-03,4,9,10 ON MECHANICAL PLATFORM AND ALL ASSOCIATED DUCTWORK, AIR TERMINALS, EQUIPMENT STANDS, PIPING, REFRIGERANT, AND THERMOSTATS. REUSE IN NEW CONSTRUCTION.
5. SALVAGE AHU-08 ON MECHANICAL PLATFORM AND EQUIPMENT STAND, PIPING, REFRIGERANT, THERMOSTAT, AND ALL ASSOCIATED DUCTWORK, AIR TERMINALS UP TO LOCATION SHOWN. REUSE IN NEW CONSTRUCTION.
6. SALVAGE OUTDOOR AIR DUCTWORK FROM INTAKE PLENUM TO AHUs. REUSE IN NEW CONSTRUCTION. LOUVER AND PLENUM TO REMAIN AND BE REUSED. SEAL PLENUM TO MATCH EXISTING.
7. SALVAGE SUPPLY DUCTWORK AND AIR TERMINALS. REUSE IN NEW CONSTRUCTION. SEAL DUCT OPENING AND PROVIDE INSULATION TO MATCH EXISTING.
8. SALVAGE EXHAUST DUCT AND AIR TERMINALS. REUSE IN NEW CONSTRUCTION. PATCH AND SEAL DUCT TO MATCH EXISTING.
9. SALVAGE AIR TERMINAL AND REUSE IN NEW CONSTRUCTION.
10. SALVAGE HVLS-04 AND HVLS-05 AND CONTROLS FOR REUSE IN NEW CONSTRUCTION. PATCH STRUCTURE TO MATCH EXISTING.
11. SALVAGE HVLS-02 AND HVLS-03 CONTROLS FOR REUSE IN NEW CONSTRUCTION. PATCH STRUCTURE TO MATCH EXISTING.
12. ALL DUCTWORK, DAMPERS, DUCT ACCESSORIES, INSULATION, DIFFUSERS, EQUIPMENT, EQUIPMENT STANDS, PIPES, PIPE FITTINGS, PIPE ACCESSORIES, AND CONTROLS WITHIN HATCHED REGION SHALL BE REUSED IN NEW CONSTRUCTION.
13. EXISTING HEAT PUMPS TO REMAIN.
14. SALVAGE ALL REFRIGERANT PIPING, INSULATION, AND SUPPORTS.
15. PATCH AND REPAIR WALL TO MATCH EXISTING.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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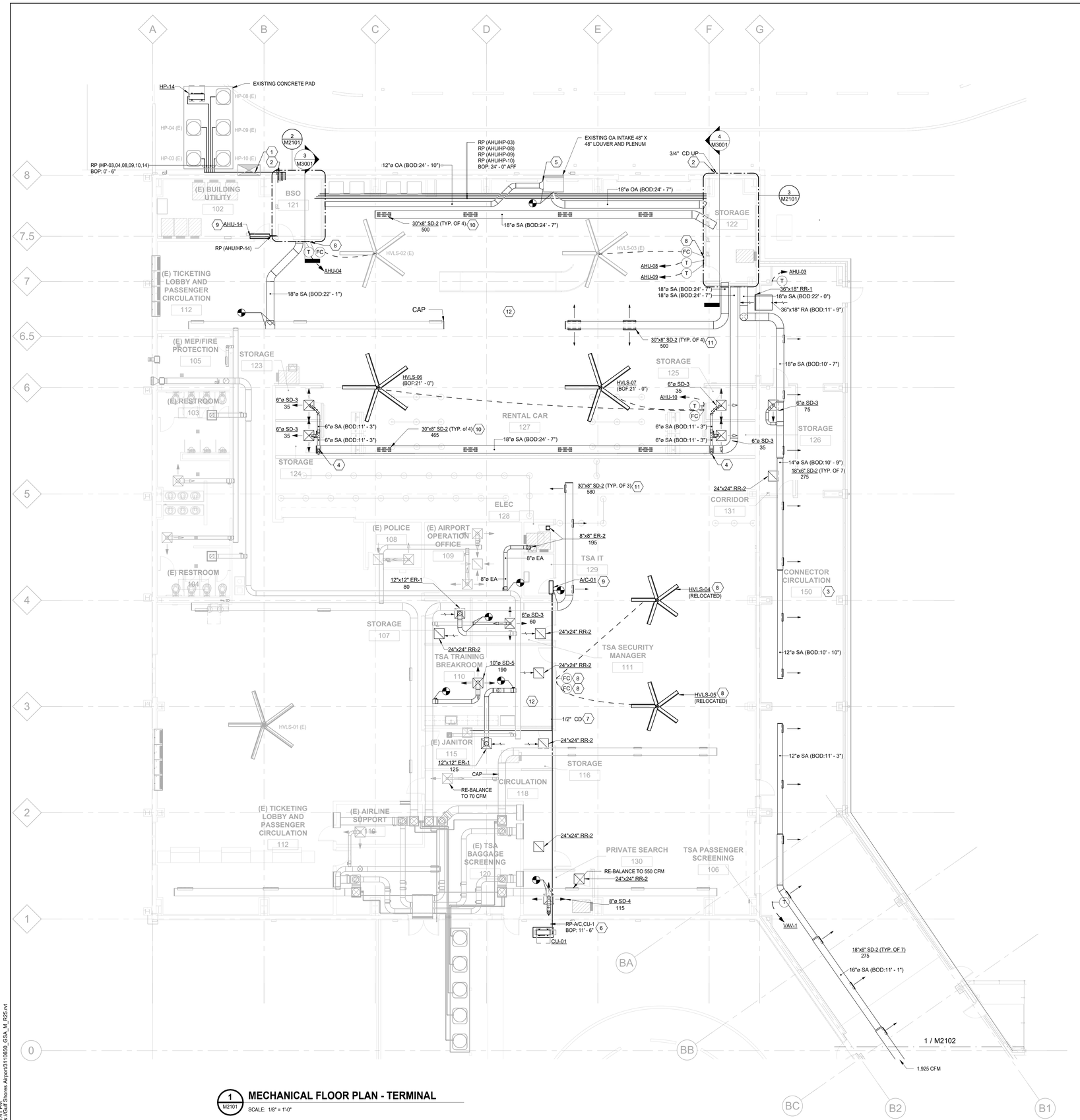
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MECHANICAL DEMOLITION FLOOR PLAN - TERMINAL

PROJECT #: 20250023

SHEET NUMBER
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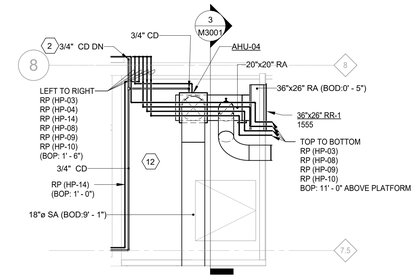
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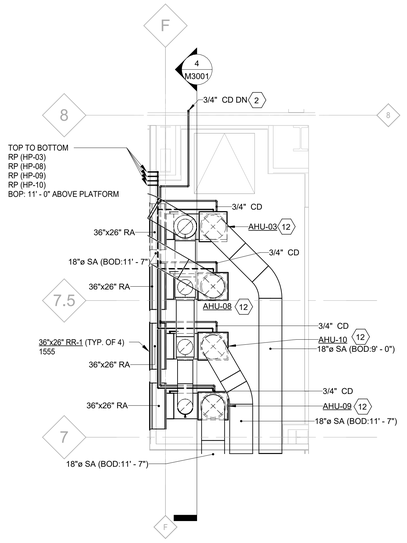
1 / M2101 MECHANICAL FLOOR PLAN - TERMINAL

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



2 / M2101 MECHANICAL FLOOR PLAN - BSO PLATFORM

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



3 / M2101 MECHANICAL FLOOR PLAN - STORAGE PLATFORM

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

KEY NOTES: (#)

1. ROUTE REFRIGERANT PIPING (RP) STACKED ALONG EXTERIOR WALL ABOVE EXISTING WALL PACK AND 6' ABOVE ELECTRICAL EQUIPMENT. SIZE PIPING PER HEAT PUMP MANUFACTURE'S RECOMMENDATIONS. BOTTOM REFRIGERANT PIPE IS APPROXIMATELY 11'-6" ABOVE GRADE. SEAL PIPE PENETRATION WATER TIGHT.
2. ROUTE CONDENSATE DRAIN OUT WALL FROM PLATFORM AND EXTERIOR DOWN TO SPLASH BLOCK ON GRADE. SLOPE PIPE 1/8" PER 12". SEAL PIPE PENETRATION WATER TIGHT.
3. CONNECTOR CIRCULATION ARCHITECTURAL BAFFLES ARE OPEN TO THE CEILING.
4. ROUTE SUPPLY DUCT DOWN ALONG WALL. SECURE TO WALL AT A MINIMUM 2 LOCATIONS.
5. REUSE EXISTING 20"ø DUCT OPENING.
6. ROUTE REFRIGERANT PIPING (RP) UP ALONG WALL AND SEAL PIPE PENETRATION WATER TIGHT. SIZE PIPING PER CONDENSING UNIT MANUFACTURE'S RECOMMENDATIONS.
7. ROUTE PUMPED CONDENSATE DRAIN DOWN TO AND TERMINATE INTO SERVICE SINK. SLOPE PIPE 1/8" PER 12".
8. RELOCATE HVLS FAN AND CONTROLLER TO THESE LOCATIONS.
9. MOUNT UNIT ABOVE DOOR 7' - 6" AFF.
10. MOUNT REUSED DRUM LOUVER ON THE BOTTOM OF THE DUCT.
11. MOUNT REUSED DRUM LOUVER PER DETAIL 12 / M5001.
12. ALL DUCTWORK, DAMPERS, DUCT ACCESSORIES, INSULATION, DIFFUSERS, EQUIPMENT, EQUIPMENT STANDS, PIPES, PIPE FITTINGS, PIPE ACCESSORIES, AND CONTROLS ARE TO BE REUSED. REFER TO M1501 FOR ITEMS TO BE RESUED.

PLAN NORTH / TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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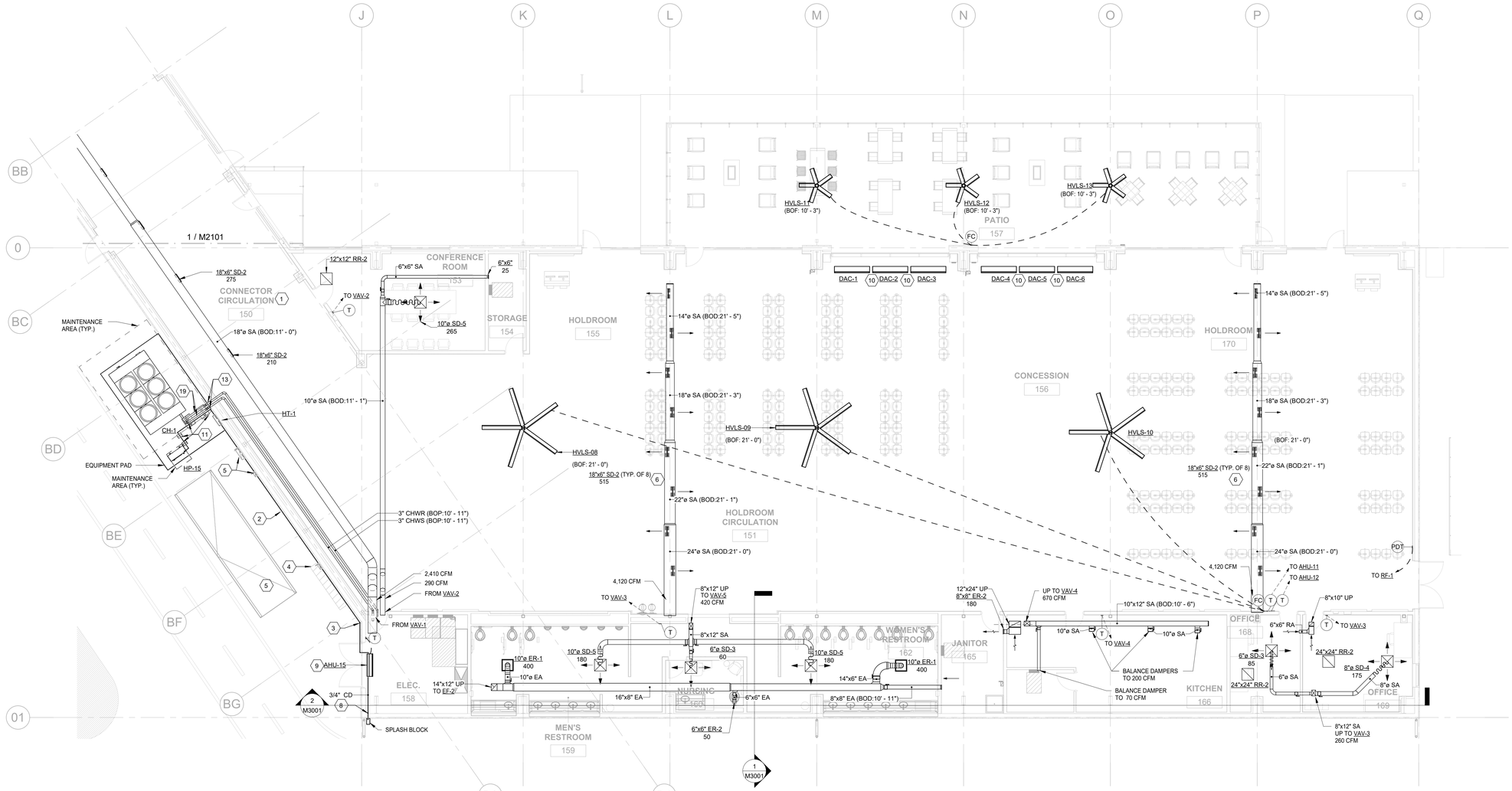
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MECHANICAL FLOOR PLAN - TERMINAL

PROJECT #: 20250023

SHEET NUMBER
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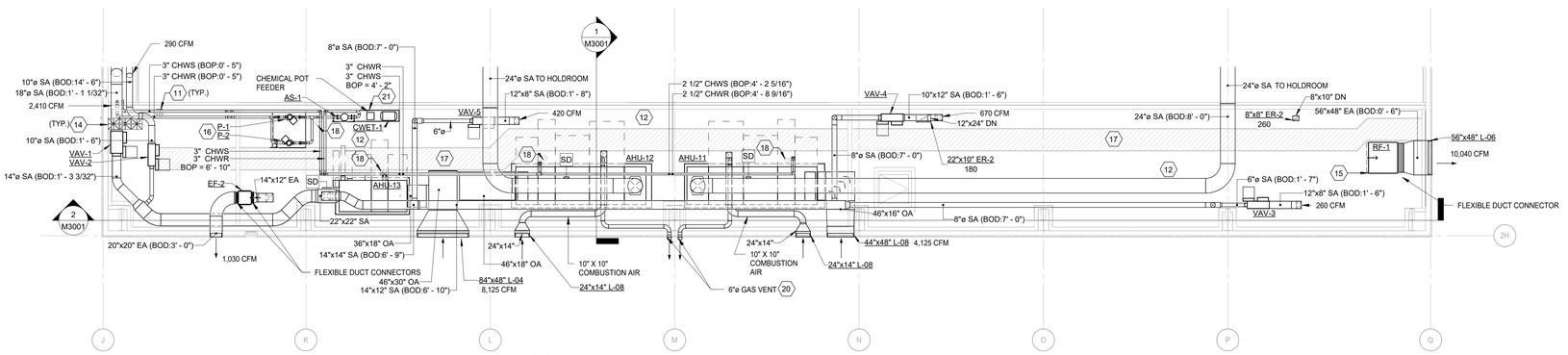
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1 MECHANICAL FLOOR PLAN - HOLDROOM

1 / M2102 SCALE: 1/8" = 1'-0"



2 MECHANICAL FLOOR PLAN - MECHANICAL PLATFORM

2 / M2102 SCALE: 1/8" = 1'-0"

KEY NOTES:

1. ARCHITECTURAL BAFFLES IN THE CONNECTOR CIRCULATION ARE OPEN TO THE ROOF. REFER TO A3101.
2. ROUTE REFRIGERANT ALONG WALL APPROXIMATELY 1'-0" ABOVE GRADE.
3. ROUTE REFRIGERANT UP ALONG WALL AT APPROXIMATELY 9'-0" ABOVE GRADE AT THIS LOCATION.
4. REFER TO PLUMBING DRAWINGS FOR NATURAL GAS METER AND PIPING.
5. REFER TO ELECTRICAL DRAWINGS FOR GENERATOR AND EQUIPMENT.
6. MOUNT DRUM LOUVERS ON THE BOTTOM OF THE DUCT AT A 30 DEGREE ANGLE.
7. PROVIDE UNISTRUT PIPE SUPPORTS.
8. ROUTE CONDENSATE DOWN INTERIOR WALL TO 1'-0" AFF. ROUTE CONDENSATE DRAIN OUT WALL TO SPLASH BLOCK ON GRADE. SEAL PIPE PENETRATION WATER TIGHT.
9. MOUNT UNIT 9' - 0" AFF.
10. MOUNT UNIT 12' - 0" AFF.
11. MIRO INDUSTRIES, INC. ##-BASE STRUT-## PIPE SUPPORT WITH STRUT CLAMP OR APPROVED EQUAL .
12. NOT ALL COMPONENTS ARE SHOWN FOR CLARITY. REFER TO DETAIL AND CONTROL SHEETS.
13. MOUNT PIPES TO EXTERIOR WALL AT A MINIMUM OF TWO LOCATIONS. SEAL PIPE PENETRATION WATER TIGHT.
14. SUPPORT DUCTWORK AND VAVS BELOW 4' ELEVATION FROM THE MEZZANINE USING PHP SYSTEMS PPH-D UNISTRUT DUCT SUPPORT OR APPROVED EQUAL.
15. MOUNT RF-01 FROM THE MEZZANINE FLOOR ON VERTICAL SPRING ISOLATORS. PROVIDE WIRE MESH ON FAN INTAKE.
16. MOUNT P-1 AND P-2 FROM THE EQUIPMENT PAD AND ON VERTICAL SPRING ISOLATORS.
17. ROUTE ALL PIPES, DUCTWORK, AND CONDUITS AROUND 3'-0" WIDE BY 6'-8" TALL MAINTENANCE.
18. FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
19. PROVIDE ELECTRICAL HEAT TRACE ON EXTERIOR CHILLED WATER SUPPLY (CHWS) AND RETURN (CHWR) PIPE.
20. PROVIDE AHU MANUFACTURER'S RECOMMENDED WALL CAP ON GAS VENT.
21. PROVIDE HOUSEKEEPING PAD FOR EQUIPMENT.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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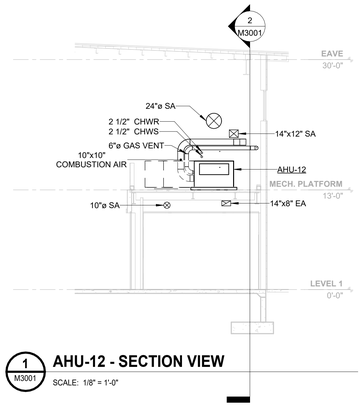
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M2102

PLAN NORTH
TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

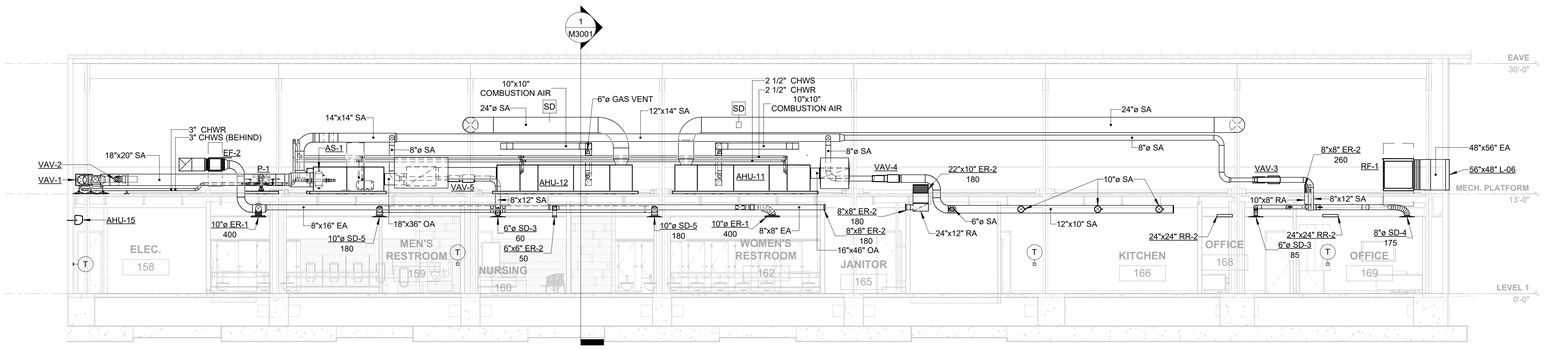
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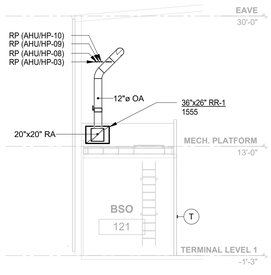
1 M3001 AHU-12 - SECTION VIEW

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



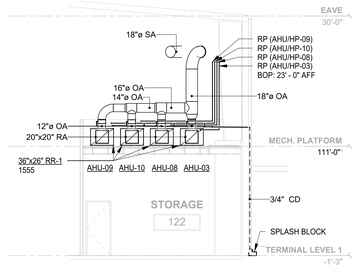
2 M3001 MECHANICAL PLATFORM - SECTION VIEW

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



3 M3001 BSO PLATFORM - SECTION VIEW

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



4 M3001 STORAGE MEZZANINE - SECTION VIEW

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

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1155 COMMERCE DR, GULF SHORES, AL 36542

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ALABAMA LICENSED No. 29479 PROFESSIONAL ENGINEER DAVID ALLEN KENNEDY 05/01/2026

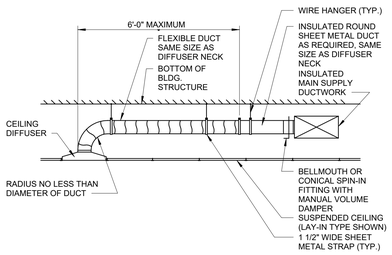
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PROJECT #: 20250023

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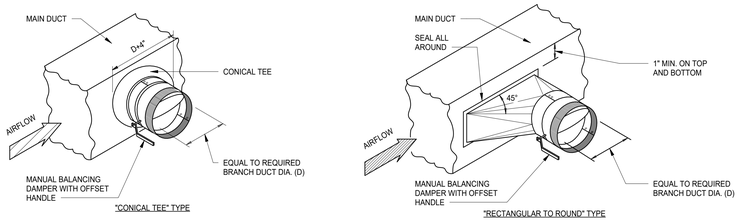
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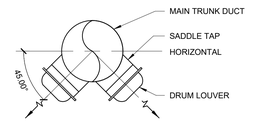
1 M5001 **TYPICAL SUPPLY BRANCH DUCTWORK**

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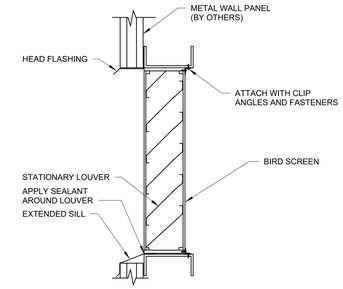
2 M5001 **TYPICAL ROUND BRANCH TAKEOFF FITTINGS**

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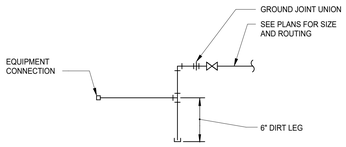
3 M5001 **SUPPLY AIR DRUM LOUVER DETAIL**

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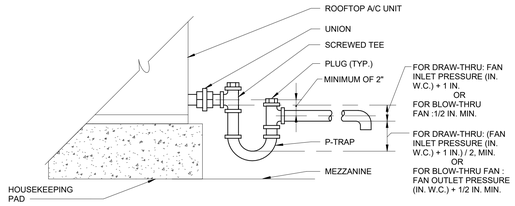
4 M5001 **LOUVER IN METAL BUILDING**

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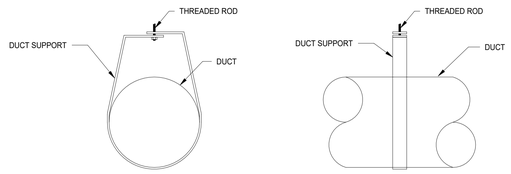
5 M5001 **TYPICAL GAS CONNECTION WITHOUT REGULATOR**

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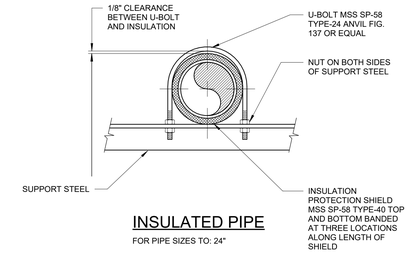
6 M5001 **AHU CONDENSATE DRAIN**

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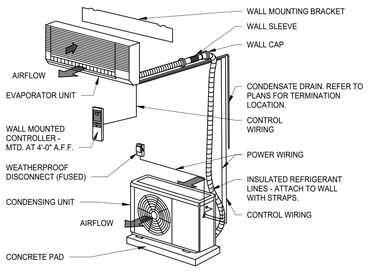
7 M5001 **DUCT HANGER SUPPORT**

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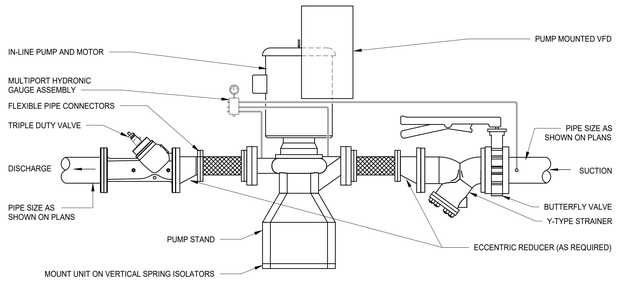
8 M5001 **PS-X U-BOLT GUIDE**

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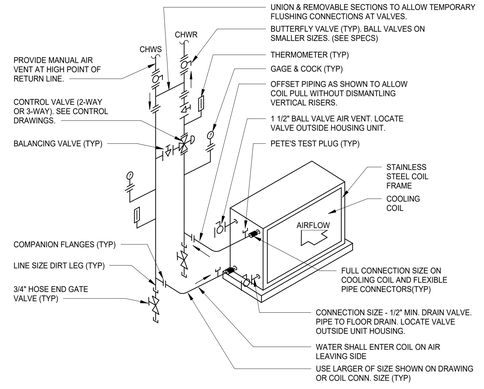
9 M5001 **DUCTLESS SPLIT SYSTEM**

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10 M5001 **IN-LINE PUMP DETAIL**

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11 M5001 **CHILLED WATER PIPING AT SINGLE COOLING COIL**

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AIR HANDLING UNIT SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	OA (CFM)		SUPPLY FAN DATA						COOLING COIL DATA									
						MIN.	MAX.	QUANTITY	TOTAL AIRFLOW (CFM)	EXT. S.P. (IN. WG)	FAN TYPE	FAN RPM	HP	DRIVE	SENSIBLE (MBH)	TOTAL (MBH)	EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	CHILLED WATER DATA				MAX. AIR P.D. (IN.WG)	MAX. FACE VEL. FPM
																					EWT (F)	LWT (F)	FLOW (GPM)	WPD (FT)	
AHU-11	MODULAR INDOOR AIR HANLDING UNIT	TRANE	CSAA010	HOLDROOM	MECHANICAL MEZZANINE	315	1,625	1	4,125	1.5	PLENUM	2,460	5	VFD	135.6	225.2	82.4	69.0	52	51	42	56	32.2	8	0.7	500
AHU-12	MODULAR INDOOR AIR HANLDING UNIT	TRANE	CSAA010	HOLDROOM	MECHANICAL MEZZANINE	315	1625	1	4,125	1.5	PLENUM	2,460	5	VFD	135.6	225.2	82.4	69.0	52	51	42	56	32.176	8	0.7	500
AHU-13	MODULAR INDOOR AIR HANLDING UNIT	TRANE	UCCAH08	CONNECTOR, OFFICES, KITCHEN, RESTROOMS	MECHANICAL MEZZANINE	420	1,300	1	4,050	1.5	PLENUM	2,663	5	VFD	127.1	203.5	81.1	67.8	52	51	42	56	29.1	7	0.8	500

TAG	HEATING COIL DATA								FILTER DATA			ELECTRICAL DATA										WEIGHT (LB)	REMARKS
	CFM		TOTAL (MBH)	EAT (F)	LAT (F)	GAS			TYPE / THICKNESS (IN.)	MERV	FINAL P.D. (IN. WC)	CIRCUIT 1: SUPPLY FAN MOTORS					CIRCUIT 2: GAS HEATER						
	SUPPLY	OA				STAGES	INPUT (CFH)	MAXIMUM GAS INLET PRESSURE (IN H2O)				V/PH/H	FLA	MCA	MOCP	SCCR (kA)	V/P/H	FLA	MCA	MOCP	SCCR (kA)		
AHU-11	4,125	1,625	123.4	52.9	81	DIGITALLY CONTROLLED	253	10.5	PLEATED / 2 IN.	8.0	0.6	208/3/60	23.5	29.0	50.0	5.0	115/1/60	2.3	2.8	15.0	5.0	2,700	1-12
AHU-12	4,125	1,625	123.4	52.9	81	DIGITALLY CONTROLLED	253	10.5	PLEATED / 2 IN.	8.0	0.6	208/3/60	23.5	29.0	50.0	5.0	115/1/60	2.3	2.8	15.0	5.0	2,700	1-12
AHU-13	-	-	-	-	-	-	-	-	PLEATED / 2 IN.	8.0	0.6	208/3/60	8.4	10.5	15.0	-	-	-	-	-	-	1,200	1-10

REMARKS:

1. DOUBLE WALL CASING WITH 2" INSULATION
2. INTERNAL SUPPLY FAN VIBRATION ISOLATORS (HOUSED) AND FAN FLEXIBLE DUCT CONNECTORS
3. PREMIUM EFFICIENCY SUPPLY FAN MOTOR
4. SUPPLY FAN MOTOR RATED FOR INVERTER DUTY
5. SUPPLY FAN VFD IS PROVIDED BY AHU VENDOR. SEE DIVISION 26 VFD SPECIFICATION.
6. LIGHTING AND RECEPTACLE, 120V CIRCUIT WITH JUNCTION BOX
7. RIGID ANCHORAGE CALCULATIONS WITH POINT LOADING FOR APPLICABLE SEISMIC DESIGN CONDITION
8. MIXING BOX SECTION WITH OA AND RA DAMPERS SIZED AT LOW VELOCITY
9. OA FLOW MEASUREMENT STATION, PRECALIBRATED AND TESTED AT FACTORY
10. PROVIDE UNIT WITH ECONOMIZER MODE.
11. INDIRECT STAINLES STEEL GAS BURNIER HEATER WITH COMBUSTION FAN
12. GAS TRAIN CONTROLS, SHUT-OFF VALVE, GAS COCK, ETC.

AIR DEVICE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	TYPE	NECK TYPE IN. X IN.	CEILING PANEL IN. X IN.	PRESSURE DROP IN. WG.	CFM RANGE	MAX. NC LEVEL	REMARKS
SD-1	SUPPLY DIFFUSER	TITUS	DL-SV/SPLIT VANE	DRUM LOUVER	18 X 6	-	0.08	0-350	11	1,2
SD-2	SUPPLY DIFFUSER	TITUS	DL-SV/SPLIT VANE	DRUM LOUVER	30 X 8	-	0.10	351-825	15	1,2
SD-3	SUPPLY DIFFUSER	TITUS	TMS-AA	LOUVER FACE, LAY-IN OR SURFACE	6" DIA	24 X 24	0.03	0-100	_	1,2
SD-4	SUPPLY DIFFUSER	TITUS	TMS-AA	LOUVER FACE, LAY-IN OR SURFACE	8" DIA	24 X 24	0.03	101-175	_	1,2
SD-5	SUPPLY DIFFUSER	TITUS	TMS-AA	LOUVER FACE, LAY-IN OR SURFACE	10" DIA	24 X 24	0.04	176-325	18	1,2,4
RR-1	RETURN REGISTER	TITUS	350FLF/2" FILTER	LOUVER FACED, SURFACE MOUNTED	36 X 26	-	0.13	0-1750	13	1,2,3,4
RR-2	RETURN REGISTER	TITUS	PXP-NT	PERFORATED, LAY-IN	-	24 X 24	-	-	-	2,4
ER-1	EXHAUST REGISTER	TITUS	PAR AA	PERFORATED, SURFACE MOUNTED	SEE PLANS	24 X 24	0.13	211-350	20	1,2,4
ER-2	EXHAUST GRILLE	TITUS	350FL	LOUVER FACE, SURFACE MOUNTED	SEE PLANS	SEE PLANS	0.02	0-2400	20	1,2,4

REMARKS:
1. OPPOSED BLADE DAMPERS
2. ALUMINUM CONSTRUCTION
3. HINGED REGISTER WITH HINGE ON TOP.
4. OR APPROVED EQUAL

FAN SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	AIRFLOW (CFM)	EXT. S.P. (IN. WG)	FAN RPM	MOTOR DATA			WEIGHT (LBS.)	CONTROLS	REMARKS
									HP	DRIVE	V/PH/HZ			
EF-2	DIRECT DRIVE INLINE FAN	GREENHECK	SQ-130-VG	RESTROOMS JANITOR	MECHANICAL MEZZANINE	1,030	0.5	1,108	3/4	DIRECT	208/1/60	100	TURNS ON WITH AHU-13	1-7
RF-1	TUBE AXIAL DIRECT DRIVE INLINE FAN	GREENHECK	SQ-30-M2	BUILIDNG RELIEF	MECHANICAL MEZZANINE	10,040	0.5	603	5	DIRECT WITH VFD	208/3/60	600	MATCH FAN SPEED WITH AHU-11,12	1-8
HVLS-06	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-14	AIR CIRCULATION	EXISTING TERMINAL	55,800	-	76	1/4	DIRECT	120/1/60	91	TIE UNITS INTO A SINGLE CONTROLLER. REMARK 11	1-7,9-11
HVLS-07	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-14	AIR CIRCULATION	EXISTING TERMINAL	55,800	-	76	1/4	DIRECT	120/1/60	91		1-7,9-11
HVLS-08	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-14	AIR CIRCULATION	HOLDROOM	55,800	-	76	1/4	DIRECT	120/1/60	91	TIE UNITS INTO A SINGLE CONTROLLER. REMARK 11	1-7,9-11
HVLS-09	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-14	AIR CIRCULATION	HOLDROOM	55,800	-	76	1/4	DIRECT	120/1/60	91		1-7,9-11
HVLS-10	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-14	AIR CIRCULATION	HOLDROOM	55,800	-	76	1/4	DIRECT	120/1/60	91		1-7,9-11
HVLS-11	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-4-MV	AIR CIRCULATION	PATIO	6,340	-	200	0.1	DIRECT	120/1/60	30	TIE UNITS INTO A SINGLE CONTROLLER. REMARK 11	1-7,9-11
HVLS-12	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-4-MV	AIR CIRCULATION	PATIO	6,340	-	200	0.1	DIRECT	120/1/60	30		1-7,9-11
HVLS-13	PROPELLER / AXIAL CIRCULATION	GREENHECK	DC-5-4-MV	AIR CIRCULATION	PATIO	6,340	-	200	0.1	DIRECT	120/1/60	30		1-7,9-11

REMARKS:

1. MOTOR GUARD
2. MOTOR RATED FOR INVERTER DUTY
3. PREMIUM EFFICIENCY MOTOR
4. STEEL CONSTRUCTION
5. VERTICAL SPRING ISOLATORS
6. MOTOR THERMAL OVERLOAD PROTECTION
7. OR APPROVED EQUAL
8. FAN VFD IS PROVIDED BY FAN VENDOR. SEE DIVISION 26 VFD SPECIFICATION.
9. PROVIDE SAFETY CABLE, GUY WIRES, MOUNTING KIT, DISCONNECT SWITCH, EXTENDED WARRANTY, AND FIRE RELAY
10. SEE PLANS FOR BOTTOM OF FAN ELEVATION
11. TIE FANS INTO A SINGLE GREENHECK HVLS FAN ADVANCED TOUCHSCREEN CONTROLLER WITH BACNET CABABLIITY AND TEMPERATURE AND HUMIDITY SENESOR. CONTROLLER HAS 115/1/60 POWER REQUIREMENTS.

VAV TERMINAL UNIT SCHEDULE

TAG	DESCRIPTION	SERVICE	INLET SIZE (IN.)	AIR FLOW		HEATING COIL DATA								WEIGHT (LB)	REMARKS
				MAX. (CFM)	MIN. (CFM)	AIFLOW (CFM)	HEAT (MBH)	EAT (F)	LAT (F)	CONTROL	STAGES	kW	V/PH/HZ		
VAV-1	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	150 CONNECTOR CIRCULATION	14	2,410	730	1,325	28.5	55	76	SCR	1	9.0	208/1/60	135	1-6
VAV-2		153 CONFERENCE 154 STORAGE	6	290	175	290	6.6	55	77	SCR	1	2.0	208/1/60	85	1-6
VAV-3		168 OFFICE 169 OFFICE	6	260	105	165	3.5	55	84	SCR	1	1.5	208/1/60	85	1-6
VAV-4		165 KITCHEN	8	670	185	250	5.4	55	80	SCR	1	2.0	208/1/60	85	1-6
VAV-5		159 MENS RESTROOM 160 NURSING 162 WOMENS RESTROOM 165 JANITOR	8	420	105	125	2.1	55	80	SCR	1	1.0	208/1/60	85	1-6

REMARKS:

1. DDC CONTROLLER, COMPATIBLE WITH IP BACNET
2. FLANGED DISCHARGE
3. MULTIPOINT AVERAGING FLOW SENSOR
4. 24V CONTROL TRANSFORMER
5. DISCONNECT SWITCH, DOOR INTERLOCK TYPE
6. 1" FOIL FACED INSULATION

DUCTLESS SPLIT SYSTEM SCHEDULE

TAG		MANUFACTURER	MODEL NUMBER		AIR HANDLER LOCATION	NOMINAL TONS	HIGH SPEED (CFM)	FAN WATTS	COOLING CAPACITY		SEER2	HEATING CAPACITY @ 17°F	OUTDOOR UNIT ELECTRICAL DATA			REMARKS
OUTDOOR UNIT	INDOOR UNIT		INDOOR	OUTDOOR					TOTAL MBH	SENSIBLE MBH			V/PH/HZ	SCCR	MOCP	
HP-14	AHU-14	MITSUBISHI ELECTRIC	PKA-AK24NL	PUZ-AH24NL	TERMINAL - (E) BUILDING UTILITY	2	775	69	24.0	18.5	21.1	15.3	208/1/60	5	25	1-9
HP-15	AHU-15	MITSUBISHI ELECTRIC	PKA-AK24NL	PUZ-AH24NL	HOLDROOM - ELEC. 158	2	775	69	24.0	18.5	21.1	15.3	208/1/60	5	25	1-9
CU-01	A/C-01	MITSUBISHI ELECTRIC	MSY-GX12NL	MUY-GX12NL	TERMINAL - TSA IT 130	1	448	30	12.0	9.3	25.6	-	208/1/60	5	15	1-9

REMARKS:
1. MOUNT BOTTOM OF FCU 8'-0" AFF.
2. PROVIDE WITH 208/1/60 CONDENSATE PUMP W/RESERVOIR AND SENSOR.
3. SINGLE POINT POWER CONNECTIONS TO OUTDOOR UNIT. INDOOR UNIT POWERED FROM OUTDOOR UNIT.
4. TIE SPLIT SYSTEMS INTO BMS OR PROVIDE AN ADDITIONAL WALL THERMOSTAT FOR BMS MONITORING.
5. LOW AMBIENT COOLING
6. WALL MOUNTED THERMOSTAT MOUNTED 4'-0" AFF HARD WIRED TO UNIT. BATTERY THERMOSTATS ARE NOT ACCEPTABLE.
7. HAIL GUARD ON OUTDOOR UNIT
8. OR APPROVED EQUAL
9. EPOXY-COATED COILS ON OUTDOOR UNIT

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MECHANICAL SCHEDULES

PROJECT #: 20250023

SHEET NUMBER
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LOUVER / DAMPER SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE		LOUVER SIZE (IN.)		AIR FLOW (CFM)	FREE AREA (SQFT.)	PRESSURE DROP (IN.)	MAX. FACE VELOCITY (FPM)	FRAME TYPE	SCREEN TYPE	DAMPER BLADE DIRECTION	ACTUATOR					REMARKS
						WIDTH	HEIGHT								TYPE	POSITION		POWER	CONTROL	
																NORMAL	FAIL			
L-03	6 IN. DEEP, STATIONARY LOUVER - HURRICANE RATED	GREENHECK	ESD-635	EXHAUST	EF-2	20	20	1,030	1.1	0.12	1000	CHANNEL	BIRD	BACKDRAFT	-	-	-	-	-	1-5
L-04		GREENHECK	ESD-635	INTAKE	AHU-12,13	84	48	8,125	16.6	0.04	500	CHANNEL	BIRD	OPPOSED	TWO-POSITION	OPEN	CLOSED	120V	DDC	1-5
L-05		GREENHECK	ESD-635	INTAKE	AHU-11	44	48	4,125	8.9	0.03	500	CHANNEL	BIRD	OPPOSED	TWO-POSITION	OPEN	CLOSED	120V	DDC	1-5
L-06		GREENHECK	ESD-635	RELIEF	RF-1	56	48	10,040	10.8	0.13	1000	CHANNEL	BIRD	OPPOSED	TWO-POSITION	OPEN	CLOSED	120V	DDC	1-5
L-07		GREENHECK	ESD-636	INTAKE	AHU-12 COMBUSTION AIR INTAKE	24	14	-	0.7	-	-	CHANNEL	BIRD	-	-	-	-	-	-	1-5
L-08		GREENHECK	ESD-637	INTAKE	AHU-13 COMBUSTION AIR INTAKE	24	14	-	0.7	-	-	CHANNEL	BIRD	-	-	-	-	-	-	1-5

REMARKS:
1. EXTRUDED ALUMINUM CONSTRUCTION
2. BIRDSCREEN
3. LOUVER COLOR BY ARCHITECT.
4. OR APPROVED EQUAL
5. AMCA 540 LISTED.

AIR SEPARATOR SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	CAPACITY (GPM)	PRESSURE DROP (FT)	CODE STAMP	CONNECTION SIZE (IN.)	WEIGHT (LBS)	REMARKS
AS-1	AIR/DIRT SEPARATOR	TACO	4903ADT	CHWR	HOLDROOM - MEZZANINE	94	1.78	ASME	3	100	1,2,3

REMARKS:
1. PROVIDE UNIT WITH FACTORY INSTALLED BLOWDOWN VALVE AND BASE RING
2. PROVIDE UNIT WITH OPTIONAL SWITCHABLE ON/OFF STYLE MAGNET.
3. PROVIDE UNIT WITH FLUSH VALVE.

DOOR AIR CURTAIN SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	DOOR HEIGHT	MOUNTING LOCATION	LENGTH	AIRFLOW (CFM)	MOTOR DATA			WEIGHT (LBS.)	REMARKS
										HP	FLA	V/PH/HZ		
DAC-1	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10
DAC-2	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10
DAC-3	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10
DAC-4	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10
DAC-5	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10
DAC-6	DOOR AIR CURTAIN	MARS	STD272	PATIO OVERHEAD DOOR	HOLDROOM	12' - 0"	12' - 14'	72"	2760	2 1/2	5	208/1/60	120	1-10

REMARKS:
1. ETL-CERTIFIED TO CONFORM TO UL 507
2. AMCA-CERTIFIED TO AMCA 211 (INCLUDES PERFORMANCE TESTING PER AMCA 220)
3. ASHRAE 90.1 AND IECC CERTIFIED
4. SELF-CONTAINED ONE-PIECE HEAVY-GAUGE CORROSION-PROOF PAINT LOCK METAL DESIGN
5. FIRE RETARDANT AND RUST PREVENTATIVE ELECTROSTATIC POLYURETHANE POWDER COATING
6. ½ HP CONTINUOUS DUTY TOTALLY ENCLOSED AIR OVER (TEAO) MOTORS (NEMA 1)
7. ADJUSTABLE AIR DIRECTIONAL VANES WITH 40° SWEEP FRONT TO BACK
8. 5-YEAR PARTS WARRANTY
9. ADJUSTABLE MOUNTING BRACKET SET, 3½" CLEARANCE
10. PROVIDE UNIT WITH OVERHEAD DOOR LIMIT SWITCHES. UNIT TURNS ON WHEN OVERHEAD DOOR IS OPEN.

AIR-COOLED CHILLER SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	CAPACITY		REFRIGERANT TYPE	IECC 2024 EFFICIENCY (EER)		EVAPORATOR DATA						CONDENSER DATA							ELECTRICAL DATA						WEIGHT (LBS.)	REMARKS
						MBH	NOMINAL TONS		FL	IPLV	FLOW (GPM)	EWT (F)	LWT (F)	WATER HEAD LOSS (FT)		FOULING FACTOR	DESIGN AMBIENT TEMP. (F)			COMPRESSORS		CONDENSER FAN(S)		CIRCUIT 1: CHILLER			CIRCUIT 2: HEAT TRACE			
														EVAPORATOR	STRAINER		DB	WB	DB (MIN.)	QTY	RLA EACH	QTY	FLA EACH	MCA	MOCP	V/PH/HZ	MOCP	V/PH/HZ		
CH-1	AIR-COOLED SCREW, OUTDOORS	TRANE	CGAM	AHU-11,12,13	ON GRADE	643.7	60	R-454B	10.1	13.7	94	56	42	7.3	2.7	0.0001	93.9	78.9	30.3	4	50.6	6	6.7	261	350	208/3/60	20	120/1/60	5,300	1-9

REMARKS
1. WATER PRESSURE DROP = EVAPORATOR + STRAINER
2. PROVIDE WITH 5 YEAR PARTS AND LABOR WARRANTY
3. INDICATED EQUIPMENT EFFICIENCIES ARE AT SCHEDULED AMBIENT CONDITIONS.
4. PROVIDE CIRCUIT BREAKER HIGH-INTERRUPT CONNECTION; 65K SCCR RATING.
5. PROVIDE WITH BACNET INTERFACE TO BAS.
6. PROVIDE LOW AMBIENT OPERATION AND AUTOMATIC RE-START AFTER POWER FAILURE.
7. PROVIDE UNIT WITH HEAT TRACE FOR INTERNAL PIPING.
8. CONDENSER FAN VFD IS PROVIDED BY CHILLER VENDOR. SEE DIVISION 26 VFD SPECIFICATION.
9. PROVIDE COATED OR EPOXY COILS FOR MARINE ENVIRONMENTS.

HEAT TRACE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	TEMPERATURES (°F)				LENGTH (FT)	ELECTRICAL DATA				WEIGHT (LB.)		REMARKS
					MAX. OPERATING	MAX. EXPOSURE	MIN. INSTALLATION	START-UP		POWER (W/FT)	TOTAL W	MOCP	V/PH/HZ	WIRE	TOTAL	
HT-1	HEAT TRACE FOR CHILLED WATER PIPING	RAYCHEM	3XLE2-CR	EXTERIOR CHILLED WATER	154	185	0	20	40	4	80	30	208/1/60	92 LB / 1000 FT	4	1-6

REMARKS:
1. RAYCLIC-SB-02 WALL MOUNTING BRACKET
2. NEMA TYPE 4X, UV-RESISTANT THERMOPLASTIC ENCLOSURE
3. 16 AWG NICKEL-PLATED COPPER BUS WIRE
5. END-OF-LINE LIGHTED INDICATORS ARE PROVIDED FOR EACH CIRCUIT.
6. EACH HEAT TRACE CIRCUIT IS CONTROLLED BY A LOCAL AMBIENT AIR TEMPERATURE THERMOSTAT WHICH ENERGIZES THE CIRCUIT WHEN OA IS LESS THAN 35 DEG F.

PUMP SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	FLOW (GPM)	HEAD (FT)	CONNECTION SIZE (IN.)		MOTOR		V/PH/HZ	EFFICIENCY (%)	WEIGHT (LBS)	REMARKS
								SUCTION	DISCHARGE	HP	RPM				
P-1	CENTRIFUGAL IN-LINE	TACO	SKV1506D	CHILLED WATER	HOLDROOM MEZZANINE	47	40	1.5	1.5	1.5	1760	208/1/60	46	207	1-5
P-2	CENTRIFUGAL IN-LINE	TACO	SKV1506D	CHILLED WATER	HOLDROOM MEZZANINE	47	40	1.5	1.5	1.5	1760	208/1/60	46	207	1-5

REMARKS:
1. MOTOR RATED FOR INVERTER DUTY
2. PREMIUM EFFICIENCY MOTOR
3. OR APPROVED EQUAL
4. PROVIDE PUMP WITH STAND
5. PUMP VFD IS PROVIDED BY PUMP VENDOR. SEE DIVISION 26 VFD SPECIFICATION.

CHILLED WATER EXPANSION TANK SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	VOLUME (GALLONS)		PRESSURE (PSI)		DIMENSIONS		FILLED WEIGHT (LBS.)	REMARKS
						TANK	ACCEPTANCE	MAX OPERATING	FILL	DIAMETER (IN.)	LENGTH (IN.)		
CWET-1	FACTORY PRE-CHARGED DIAPHRAGM	BELL & GOSSETT	HFT-15	CHILLED WATER	HOLDROOM MEZZANINE	2	1	72	52	8	13	14	1,2

REMARKS:
1. SIGHT GLASS
2. VERTICAL WITH STAND

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DRAWING TITLE
MECHANICAL SCHEDULES

PROJECT #: 20250023

SHEET NUMBER
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CH-1 SEQUENCE OF OPERATION:

CHILLER - RUN CONDITIONS:

THE CHILLER SHALL BE ENABLED TO RUN AS A VARIABLE PRIMARY CHILLED WATER SYSTEM WHENEVER THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 54°F (ADJ.) OR WHENEVER THERE IS A CALL FOR COOLING AT THE AHUs.
TO PREVENT SHORT CYCLING, THE CHILLER SHALL RUN FOR AND BE OFF FOR MINIMUM ADJUSTABLE TIMES (BOTH USER DEFINABLE), UNLESS SHUTDOWN ON SAFETIES OR OUTSIDE AIR CONDITIONS. THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.

CHILLED WATER PUMP OPERATION:

THE TWO CHILLED WATER PUMPS (P-1,2) SHALL RUN ANYTIME THE CHILLER IS CALLED TO RUN. THE CHILLED WATER PUMPS SHALL ALSO RUN FOR FREEZE PROTECTION WHENEVER THE OUTSIDE AIR TEMPERATURE IS LESS THAN A USER DEFINABLE SETPOINT (ADJ.).
THE PUMPS SHALL START PRIOR TO THE CHILLER BEING ENABLED AND SHALL STOP ONLY AFTER THE CHILLER IS DISABLED. THE PUMP(S) SHALL THEREFORE HAVE:
- A USER ADJUSTABLE DELAY ON START.
- AND A USER ADJUSTABLE DELAY ON STOP.

THE DELAY TIMES SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING.
THE TWO PUMPS SHALL OPERATE SIMULTANEOUSLY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- CHILLED WATER PUMP 1
  1. FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
  2. RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
  3. RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
- CHILLED WATER PUMP 2
  1. FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
  2. RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
  3. RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.

PUMP VARIABLE FREQUENCY DRIVES (VFD) SHALL BE MODULATED BY THE SYSTEM DIFFERENTIAL PRESSURE SENSOR. BOTH PUMP VFDS WILL RAMP UP AND DOWN TOGETHER.
THE SYSTEM FLOW CONTROL VALVE SHALL MAINTAIN THE SYSTEM MINIMUM FLOW AS MEASURED BY THE CHWR FLOW METER.

SYSTEM START/STOP:

THE CHILLER SHALL BE ENABLED A USER ADJUSTABLE TIME AFTER PUMP STATUSES ARE PROVEN ON. THE CHILLER SHALL THEREFORE HAVE A USER ADJUSTABLE DELAY ON START.
THE DELAY TIME SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING.
THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.
ALARMS SHALL BE PROVIDED AS FOLLOWS:
- CHILLER FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- CHILLER RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- CHILLER RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.

CHILLER CHILLED WATER SUPPLY SETPOINT:

THE CHILLER SHALL MAINTAIN A CHILLED WATER SUPPLY TEMPERATURE SETPOINT AS DETERMINED BY ITS OWN INTERNAL CONTROLS (PROVIDED BY OTHERS).

CHILLED WATER TEMPERATURE MONITORING:

THE FOLLOWING TEMPERATURES SHALL BE MONITORED:
- CHILLED WATER SUPPLY.
- CHILLED WATER RETURN.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH CHILLED WATER SUPPLY TEMP: IF THE CHILLED WATER SUPPLY TEMPERATURE IS GREATER THAN 57°F (ADJ.).

TRENDING/LOGGING:

THE BMS SHALL MAINTAIN AN ELECTRONIC LOG AND TRENDS OF ALL USER ACCESSIBLE PARAMETERS AT SELECTED INTERVALS FOR A PREDETERMINED PERIOD AND A COMPLETE RUN TIME LOG OF EACH CHILLER AND PUMPS FOR THE HVAC COOLING WATER SYSTEM. SEE POINTS LIST SCHEDULE ON DRAWINGS.

GRAPHICAL INTERFACE:

THE BMS SHALL PROVIDE FULL SYSTEM GRAPHICS INCLUDING POINT MONITORING, SETPOINT ADJUSTMENTS, AND ALARMS OF THE HVAC COOLING WATER SYSTEM. SEE POINTS LIST SCHEDULE ON DRAWINGS.

HEAT TRACE:

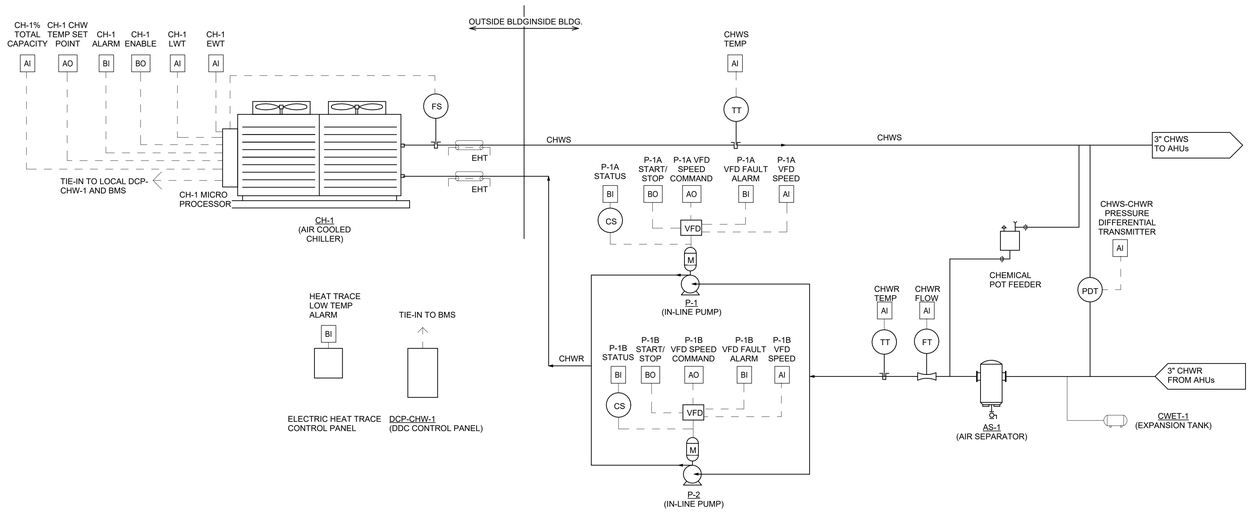
HEAT TRACE CABLES ARE INSTALLED ON ALL EXTERIOR CHILLED WATER PIPING.

A HEAT TRACE CONTROL PANEL WILL BE LOCATED OUTSIDE THE BUILDING NEXT TO THE CHILLER.

THE PANEL PROVIDES INDIVIDUAL CIRCUIT BREAKERS & GROUND FAULT PROTECTION FOR EACH CIRCUIT.

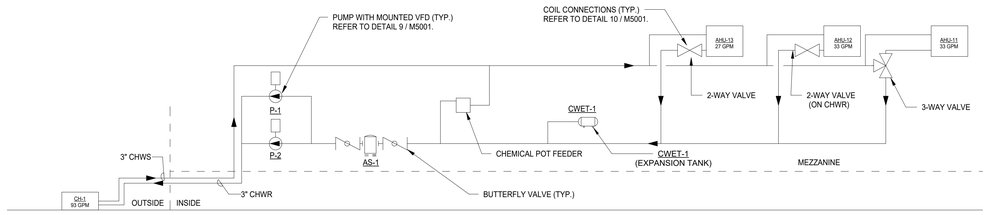
END-OF-LINE LIGHTED INDICATORS ARE PROVIDED FOR EACH CIRCUIT.

EACH HEAT TRACE CIRCUIT IS CONTROLLED BY A LOCAL AMBIENT AIR TEMPERATURE THERMOSTAT WHICH ENERGIZES THE CIRCUIT WHEN OA IS LESS THAN 35 DEG F.



1 M7001 CH-1 CONTROL SCHEMATIC

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2 M7001 CHILLED WATER FLOW DIAGRAM

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MECHANICAL CONTROLS - CHILLED WATER

PROJECT #: 20250023

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AHU-11,12,13, AND RF-1 SEQUENCE OF OPERATION:

SYSTEM DESCRIPTION:

AIR HANDLING UNITS 11 AND 12 ARE INDOOR MODULAR CONSTANT VOLUME UNITS WITH SUPPLY FAN, NATURAL GAS HEATING COIL, CHILLED WATER COOLING COIL, OUTSIDE AIR (OA) ECONOMIZER, MIXING BOX WITH RETURN AIR (RA) AND OUTSIDE (OA) AIR CONTROL DAMPERS, AND FILTER SECTION.

AIR HANDLING UNIT 13 IS AN INDOOR MODULAR VARIABLE VOLUME UNIT WITH SUPPLY FAN AND VFD, CHILLED WATER COOLING COIL, OUTSIDE AIR (OA) ECONOMIZER, MIXING BOX WITH RETURN AIR (RA) AND OUTSIDE (OA) AIR CONTROL DAMPERS, AND FILTER SECTION.

THE RELIEF FAN (RF-1) IS A DIRECT DRIVE FAN WITH A VFD AND OPERATES WITH A PRESSURE DIFFERENTIAL TRANSMITTER (PDT).

CONTROLS DESCRIPTION:

SYSTEMS AHU-11,12,13 ARE EACH CONTROLLED BY A FACTORY UNIT-MOUNT MICROPROCESSOR CONTROLLER (MPC). EACH AHU MPC SHALL BE NETWORKED TO THE BUILDING MANAGEMENT CONTROL SYSTEM (BMS) FOR PROGRAMMING, SCHEDULING, TRENDING/LOGGING, AND GRAPHICAL INTERFACE. THE CONTROL SYSTEM IS CONFIGURED FOR COMMUNICATION TO THE BMS USING BACNET PROTOCOL .

SCHEDULING: THE BMS SHALL INCLUDE PROVISIONS FOR OCCUPIED AND UNOCCUPIED SCHEDULES INCLUDING NIGHT SETBACK OVER-RIDE DURING UNOCCUPIED PERIODS. SPACE TEMPERATURE SENSORS SHALL BE PROVIDED WITH NIGHT SETBACK OVER-RIDE SET AT 2-HOUR INTERVALS (ADJUSTABLE).

TRENDING/LOGGING: THE BMS SHALL MAINTAIN AN ELECTRONIC LOG AND TRENDS OF ALL USER ACCESSIBLE PARAMETERS AT SELECTED INTERVALS FOR A PREDETERMINED PERIOD AND A COMPLETE RUN TIME LOG OF THE AHU SYSTEM. SEE POINTS LIST SCHEDULE ON DRAWINGS.

GRAPHICAL INTERFACE: THE BMS SHALL PROVIDE FULL SYSTEM GRAPHICS INCLUDING POINT MONITORING, SETPOINT ADJUSTMENTS, AND ALARMS OF THE AHU SYSTEM. SEE POINTS LIST SCHEDULE ON DRAWINGS.

SYSTEM START/STOP

THE AHU SYSTEM MAY BE ENERGIZED/ DE-ENERGIZED BY:

- A SYSTEM START/STOP COMMAND ISSUED BY AN OPERATOR FROM EITHER THE AHU MPC OR THE BMS; OR
- THE PROGRAMMED OCCUPANCY SCHEDULE; OR
- UNOCCUPIED/NIGHT SETBACK OVER-RIDE.

START: THE AHU MPC OR THE BMS SHALL START THE AHU SYSTEM BASED ON THE FOLLOWING SEQUENCE:

1. INITIATE A START SIGNAL AT THE AHU MCP.
2. OPEN AHU RA DAMPER (N.O.) AND AHU OA DAMPER (N.C.) TO THEIR PREDETERMINED DAMPER POSITIONS.
3. SMOOTHLY RAMP AHU SUPPLY FAN TO ITS CONTROL POINT, EF-2, AND RF-1 (WHEN IN ECONOMIZER MODE).
4. VERIFY AHU SUPPLY FAN STATUS.
5. ENABLE SYSTEM CONTROLS.

STOP: THE AHU MPC OR THE BMS SHALL STOP THE AHU SYSTEM BASED ON THE FOLLOWING SEQUENCE:

1. SEND A DISABLE SIGNAL TO THE AHU SUPPLY FAN, EF-2, AND RF-1 (WHEN IN ECONOMIZER MODE).
2. VERIFY AHU SUPPLY FAN STATUS, EF-2, AND RF-1 STATUS.
3. OPEN AHU RA DAMPER (N.O.) AND CLOSE AHU OA DAMPER (N.C.).
4. DISABLE SYSTEM CONTROLS.

AHU-13 SUPPLY FAN CONTROL

AHU-13 SA PRESSURE SP RESET SCHEDULE: THE DCP SHALL RESET THE AHU SA SP SETPOINT USING THE FOLLOWING SEQUENCE: STARTING 5 MINUTES AFTER THE FAN STATUS INDICATES THE SUPPLY FAN IS ON, THE SEQUENCE WILL SLOWLY REDUCE THE AHU SA SP SET POINT BY 0.04 IN. WC EVERY 2 MINUTES. AS SP DROPS, DOWNSTREAM VAV BOX DAMPERS WILL OPEN FURTHER FOR A GIVEN LOAD. WHEN THE COMBINATION OF REDUCED SP AD CHANGES IN LOAD DRIVES MORE THAN TWO VAV BOXES MORE THAN 95% OPEN, THE SYSTEM WILL RESPOND BY INCREASING SP SET POINT BY 0.06 IN. WC FOR EVERY REQUEST BUT NO MORE THAN A MAXIMUM OF 0.15 IN WC, REGARDLESS OF THE NUMBER OF REQUESTS. THE SET POINT WILL CONTINUE TO INCREASE EVERY 2 MINUTES UNTIL ALL BUT 2 VAV BOXES ARE SATISFIED (DAMPER POSITION < 85%). SUBSEQUENTLY, THE SET POINT WILL CONTINUE TO DECREASE BY 0.04 IN. WC EVERY 2 MINUTES.

AHU-13 SUPPLY FAN AIRFLOW CONTROL: THE DCP, SENSING THE SA DUCT PRESSURE, SHALL CONTROL THE AHU SUPPLY FAN SPEED THROUGH ITS VFD TO MAINTAIN SUPPLY PRESSURE SETPOINT (BASED ON RESET SCHEDULE)

UNOCCUPIED/NIGHT SETBACK, NIGHT SETBACK OVER-RIDE, AND MORNING WARM-UP

UNOCCUPIED/NIGHT SETBACK: THE BMS SHALL BE RELAXED BY 8 DEG F (ADJUSTABLE) FROM COOLING AND HEATING SETPOINTS DURING UNOCCUPIED PERIODS.

NIGHT SETBACK OVER-RIDE: SPACE TEMPERATURE SENSORS SHALL BE PROVIDED WITH NIGHT SETBACK OVER-RIDE SET AT 60-MINUTE INTERVALS (ADJUSTABLE).

MORNING WARM-UP: THE AHU MPC SHALL OPEN THE RA DAMPER, CLOSE THE OA DAMPER, AND ADJUST THE NATURAL GAS HEATING COIL TO MAINTAIN AHU LAT TEMPERATURE OF 80 DEG F (ADJUSTABLE) DURING MORNING WARM-UP. WHEN RA TEMPERATURE REACHES 65 DEG F (ADJUSTABLE), THE AHU MPC SHALL STOP THE WARM-UP MODE.

SYSTEM SAFETIES AND FAILURES

SMOKE DETECTION ALARM CONDITION: SMOKE DETECTORS SHALL BE LOCATED IN THE SUPPLY DUCTWORK OF AHU-11,12,13. SHOULD PARTICLES OF COMBUSTION BE SENSED BY THE SMOKE DETECTORS OF AHU-11,12, OR 13, AHU-11,12,13, EF-2, AND RF-1 SHALL BE DE-ENERGIZED THROUGH THE BUILDING FIRE ALARM CONTROL PANEL. EQUIPMENT SHALL NOT RESTART UNTIL THE SMOKE DETECTORS ARE MANUALLY RESET.

AHU SUPPLY FAN FAILURE: IF THE SUPPLY FAN FAILS, THE AHU SYSTEM SHALL BE DE-ENERGIZED AND SHALL INDICATE AN AHU SUPPLY FAN ALARM AT THE BMS.

AHU MINIMUM OA AIRFLOW CONTROL

AHU MINIMUM OA AIRFLOW CONTROL: THE AHU MPC SHALL ADJUST THE OA DAMPER TO MAINTAIN THE MINIMUM OA AIRFLOW SETPOINT (ADJUSTABLE).

AHU COOLING CONTROL AND HEATING CONTROL

AHU COOLING CONTROL: THE AHU MPC SHALL STAGE/CONTROL THE CHILLED WATER VALVE TO MAINTAIN THE AHU SAT SETPOINT AT 52 DEG F (ADJUSTABLE).

AHU HEAT CONTROL (AHU-11,12 ONLY): THE AHU MPC SHALL MODULATE THE NATURAL GAS HEATER CONTROLLER TO MAINTAIN THE AHU SAT SETPOINT BETWEEN 70 DEG F MINIMUM (ADJUSTABLE) AND 90 DEG F MAXIMUM (ADJUSTABLE) BASED ON A RESET SCHEDULE TO MAINTAIN THE ZONE HEATING TEMPERATURE SETPOINT OF 70 DEG F (ADJUSTABLE).

OA ECONOMIZER

1. AHU OA ECONOMIZER CONTROLS ENABLE: WHEN THE OA TEMPERATURE IS ABOVE 45 DEG F, THE DCP SHALL ENABLE THE AHU OA ECONOMIZER CONTROLS AND DISABLE THE CHILLED WATER COOLING CONTROLS.
2. AHU OA ECONOMIZER CONTROLS DISABLE: WHEN THE OA TEMPERATURE IS ABOVE 65 DEG F, THE DCP SHALL DISABLE THE AHU OA ECONOMIZER CONTROLS AND ENABLE THE CHILLED WATER COOLING CONTROLS.
3. WHEN THE AHU ECONOMIZER MODE IS ENABLED, THE DCP SHALL MODULATE BOTH THE RA AND OA DAMPERS OF BOTH AHU-11 AND AHU-12 TO MAINTAIN A MIXED AIR TEMPERATURE SETPOINT OF 55 DEG F (ADJUSTABLE).

AHU FILTER CHANGE-OUT

AHU FILTER CHANGE-OUT: THE AHU MPC, SENSING THE PRESSURE DIFFERENTIAL ACROSS THE AHU FILTERS, SHALL INDICATE AN AHU FILTER CHANGE-OUT CONDITION, AT THE BMS WHEN THE PRESSURE DIFFERENTIAL SETPOINT (ADJUSTABLE) IS REACHED.

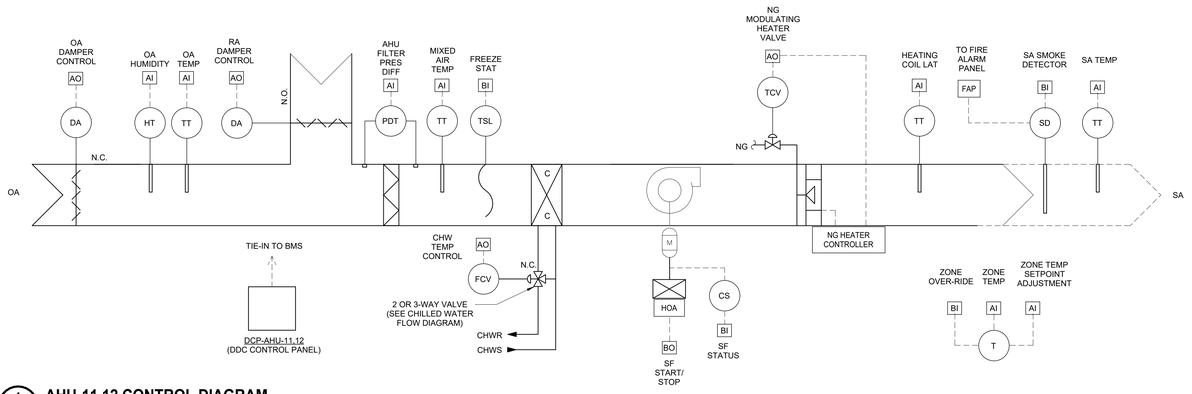
BUILDING PRESSURE CONTROL

THE BUILDING RELIEF FAN (RF-1) SHALL BE TIED INTO THE BMS AND CONTROL THE BUILDING PRESSURE BY A PRESSURE DIFFERENTIAL TRANSMITTER (PDT).

THE SETPOINT (SP) SHALL BE SET TO 0.05 IN W.G. (ADJUSTABLE) AND TIME AVERAGED WITH A SLIDING 5-MINUTE WINDOW AND 15 SECOND SAMPLING RATE (TO DAMPEN FLUCTUATIONS). THE AVERAGED VALUE SHALL BE THAT DISPLAYED AND USED FOR CONTROL.

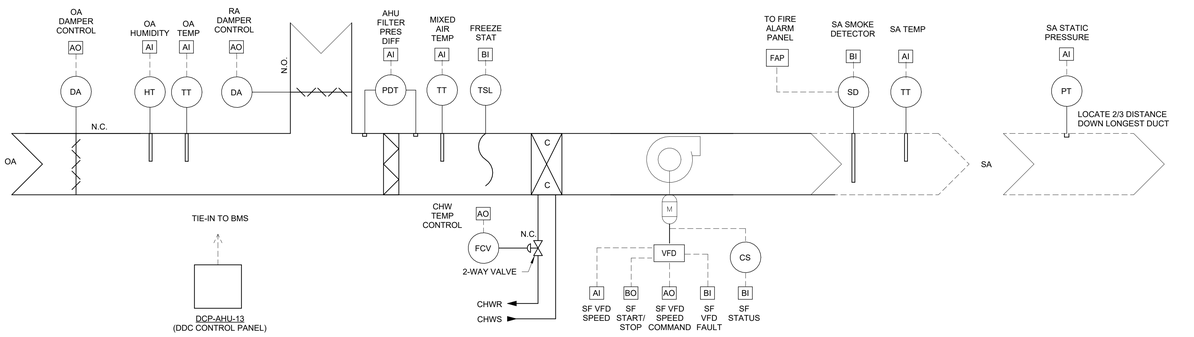
THE DCP SHALL CONTROL THE RELIEF FAN (RF-1) VFD BASED ON THE FOLLOWING SEQUENCE:

1. WHEN THE AHU OA ECONOMIZER SYSTEM IS ENABLED, AND THE CONTROL LOOP OUTPUT IS ABOVE 5%, OPEN THE RELIEF FAN (RF-1) CONTROL DAMPER; AND CLOSE THE DAMPER WHEN THE LOOP OUTPUT DROPS TO 0% FOR 5 MINUTES.
2. WHEN THE CONTROL LOOP IS ABOVE MINIMUM SPEED PLUS 15%, THE DCP SHALL START THE RELIEF FAN (RF-1) AND SHALL CONTROL THE RELIEF FAN SPEED THROUGH ITS VFD TO MAINTAIN BUILDING PRESSURE SET POINT OF 0.05 IN WC (ADJUSTABLE).



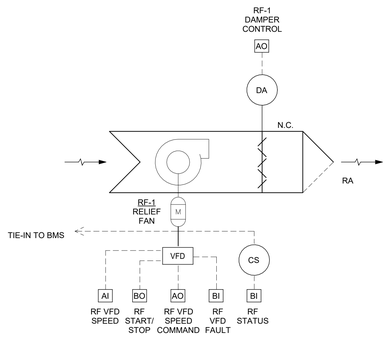
1 M7002 **AHU-11,12 CONTROL DIAGRAM**

NTS



2 M7002 **AHU-13 CONTROL DIAGRAM**

NTS



3 M7002 **ECONOMIZER RELIEF FAN CONTROL DIAGRAM (RF-1)**

NTS

VAV SEQUENCE OF OPERATION:

SYSTEM DESCRIPTION:

THE VAV UNITS CONSIST OF SINGLE DUCT VAV TERMINAL UNITS WITH ELECTRIC HEATING COILS. UNITS SHALL BE PRESSURE INDEPENDENT WITH ADJUSTABLE AIRFLOW LIMIT SET POINTS FOR MAXIMUM AIRFLOW AND MINIMUM COOLING AIRFLOWS AND HEATING AIRFLOW.

CONTROLS SYSTEM DESCRIPTION

CONTROLS SYSTEM DESCRIPTION: VAV UNITS SHALL BE PROVIDED WITH LOCAL DDC CONTROLLER PANELS (DCP-VAV-1 THRU DCP-VAV-5). CONTROLS FOR VAV UNITS CONSIST OF FLOW SENSING ELEMENTS, FLOW CONTROL DAMPERS, SCR ELECTRIC HEATING COIL CONTROLLERS, DAT SENSORS, AND ZONE TEMPERATURE SENSORS WITH ZONE TEMPERATURE SET POINT ADJUSTMENT AND ZONE OVER-RIDE BUTTON.

VAV UNITS SHALL BE CONTROLLED BY LOCAL DDC CONTROL PANEL (DCP-VAV-1 THRU DCP-VAV-5) FOR STANDALONE CONTROL OF EACH VAV UNIT AND NETWORKED TO THE BUILDING MANAGEMENT CONTROL SYSTEM (BMS) FOR PROGRAMMING, SCHEDULING, TRENDING/LOGGING, AND GRAPHICAL INTERFACE. THE CONTROL SYSTEM IS CONFIGURED FOR COMMUNICATION TO THE BMS USING BACNET PROTOCOL.

SCHEDULING: THE BMS SHALL INCLUDE PROVISIONS FOR OCCUPIED AND UNOCCUPIED SCHEDULES INCLUDING NIGHT SETBACK OVER-RIDE DURING UNOCCUPIED PERIODS. SPACE TEMPERATURE SENSORS SHALL BE PROVIDED WITH OVER-RIDE SET AT 60-MINUTE INTERVALS (ADJUSTABLE).

TRENDING/LOGGING: THE BMS SHALL MAINTAIN AN ELECTRONIC LOG AND TRENDS OF ALL USER ACCESSIBLE PARAMETERS AT SELECTED INTERVALS FOR A PREDETERMINED PERIOD AND A COMPLETE RUN TIME LOG OF EACH VAV. SEE VAV POINTS LIST SCHEDULE ON DRAWINGS.

GRAPHICAL INTERFACE: THE BMS SHALL PROVIDE FULL SYSTEM GRAPHICS INCLUDING POINT MONITORING, SETPOINT ADJUSTMENTS, AND ALARMS OF EACH VAV UNIT. SEE VAV POINTS LIST SCHEDULE ON DRAWINGS.

ZONE OVER-RIDE

ZONE OVER-RIDE: SPACE TEMPERATURE SENSOR SHALL BE PROVIDED WITH A ZONE OVER-RIDE BUTTON SET AT 60-MINUTE INTERVALS (ADJUSTABLE).

SYSTEM SAFETIES AND FAILURES

HIGH ZONE TEMPERATURE: IF THE ZONE TEMPERATURE IS 6 DEG F (ADJUSTABLE) MORE THAN SET POINT FOR 10 MINUTES (ADJUSTABLE), THE VAV DCP SHALL INDICATE A HIGH ZONE TEMPERATURE ALARM AT THE BMS.

LOW ZONE TEMPERATURE: IF THE ZONE TEMPERATURE IS 6 DEG F (ADJUSTABLE) LESS THAN SET POINT FOR 10 MINUTES (ADJUSTABLE), THE VAV DCP SHALL INDICATE A LOW ZONE TEMPERATURE ALARM AT THE BMS.

VAV LOW AIRFLOW ALARM: IF THE VAV AIRFLOW IS LESS THAN 70% (ADJUSTABLE) OF SET POINT FOR 10 MINUTES (ADJUSTABLE), THE VAV DCP SHALL INDICATE A VAV LOW AIRFLOW ALARM AT THE BMS.

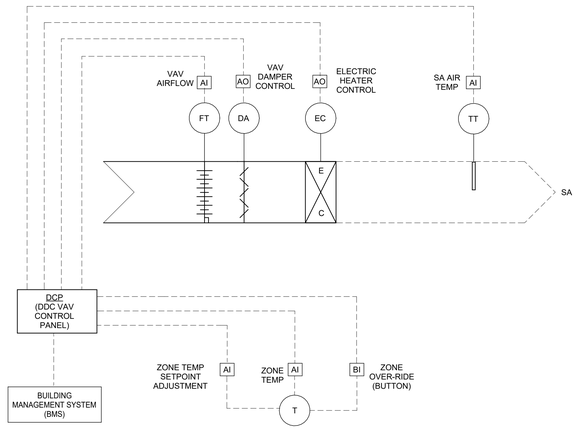
VAV LOW DISCHARGE AIR TEMPERATURE (DAT): IF THE VAV DAT IS 15 DEG F (ADJUSTABLE) LESS THAT SET POINT FOR 10 MINUTES (ADJUSTABLE), THE VAV DCP SHALL INDICATE A VAV LOW DAT ALARM AT THE BMS.

VAV ZONE TEMPERATURE CONTROL

VAV DAT HEATING SET POINT RESET SCHEDULE: THE VAV DCP, SENSING THE ZONE TEMPERATURE, SHALL RESET THE VAV DAT HEATING SETPOINT BASED ON A RESET SCHEDULE (ADJUSTABLE) TO MAINTAIN SPACE HEATING TEMPERATURE SET POINT OF 70 DEG F +/- 1.5 DEG F (ADJUSTABLE).

VAV ZONE HEATING CONTROL: THE VAV DCP SHALL POSITION THE VAV DAMPER TO HEATING AIRFLOW SET POINT (ADJUSTABLE) AND ADJUST THE ELECTRIC HEATING COIL SCR CONTROLLER TO MAINTAIN VAV HEATING DAT SET POINT BASED ON THE VAV DAT SET POINT RESET SCHEDULE.

VAV ZONE COOLING CONTROL: THE VAV DCP SHALL MODULATE THE VAV DAMPER BETWEEN MINIMUM AND MAXIMUM COOLING AIRFLOW SET POINTS (ADJUSTABLE) TO MAINTAIN SPACE COOLING TEMPERATURE SET POINT OF 72 DEG F +/- 1.5 DEG F (ADJUSTABLE).



4 M7002 **VAV-1 - 5 CONTROL SCHEMATIC**

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DRAWING TITLE
MECHANICAL CONTROLS - AHU & VAV

PROJECT #: 20250023

SHEET NUMBER
M7002

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POWER

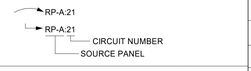
XX	DUPLEX RECEPTACLE, NEMA 5-20, 18"AFF, UON XX: AC = ABOVE COUNTER C = CONTROLLED RECEPTACLE GFI = GROUND FAULT CIRCUIT INTERRUPTER TV = TV RECEPTACLE, 60"AFF UON WP = WEATHER-RESISTANT RECEPTACLE WITH WEATHERPROOF IN-USE COVER
	QUADRUPLEX RECEPTACLE, NEMA 5-20, 18"AFF, UON
	SIMPLEX RECEPTACLE, NEMA 5-20, 18"AFF, UON
	SPECIAL PURPOSE SINGLE RECEPTACLE, NEMA CONFIGURATION AS INDICATED
	208V/3 SPECIAL RECEPTACLE, NEMA CONFIGURATION AS INDICATED
	240V/1 SPECIAL RECEPTACLE, NEMA CONFIGURATION AS INDICATED
	480V/3 SPECIAL RECEPTACLE, NEMA CONFIGURATION AS INDICATED
	FLOOR BOX WITH DUPLEX RECEPTACLE, NEMA 5-20 UON; "S" (WHERE SHOWN) INDICATES SURFACE-MOUNT ON LOW-PROFILE FLOOR RACEWAY. CIRCLE INDICATES POKE-THROUGH TYPE.
	FLOOR BOX WITH QUADRUPLEX RECEPTACLE, NEMA 5-20 UON; CIRCLE INDICATES POKE-THROUGH TYPE.
	FLOOR BOX WITH NEMA 5-20 RECEPTACLE(S) AND DATA OUTLET(S); OVAL INDICATES POKE-THROUGH TYPE.
AV	FLOOR BOX WITH NEMA 5-20 RECEPTACLE(S), DATA OUTLET(S), AND A/V JACK(S); OVAL INDICATES POKE-THROUGH TYPE.
	FLOOR BOX FOR FURNITURE CONNECTION; CIRCLE INDICATES POKE-THROUGH TYPE.
	CEILING MOUNTED TWIST LOCK SIMPLEX RECEPTACLE, NEMA L5-20 UON
	CEILING MOUNTED DUPLEX RECEPTACLE, NEMA 5-20 UON
XP	FLOOR-TO-CEILING WORKSTATION POWER POLE, WITH DIVIDER FOR POWER AND LOW VOLTAGE WIRING UON.
J	JUNCTION BOX, 2-GANG WITH BLANK COVER UON
	SURFACE MOUNTED PANELBOARD; HATCHED FILL INDICATES 480/277V, SOLID FILL INDICATES 208/120V, UON. HATCHED AREA IN FRONT OF PANELBOARD INDICATES EXTENT OF WORKING CLEARANCE.
	RECESSED MOUNTED PANELBOARD; LINE INDICATES WALL FACE. HATCHED FILL INDICATES 480/277V, SOLID FILL INDICATES 208/120V, UON. HATCHED AREA IN FRONT OF PANELBOARD INDICATES EXTENT OF WORKING CLEARANCE.
	DRY-TYPE TRANSFORMER
	COMBINATION ENCAPSULATED TRANSFORMER AND PANELBOARD WITH PRIMARY AND SECONDARY MAIN BREAKERS
	NON-FUSIBLE DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
VFD	VARIABLE FREQUENCY DRIVE; DOUBLE LINE INDICATES FRONT.
SS	SOFT STARTER; DOUBLE LINE INDICATES FRONT.
M	LOCKABLE MANUAL MOTOR STARTING SWITCH WITH OVERLOADS
#	MOTOR; "#" INDICATES MOTOR HORSEPOWER.
CP	CONTROL PANEL; DOUBLE LINE INDICATES FRONT.
PB	PULL BOX (INTERIOR OR ABOVE GRADE)
PB	PULL BOX (UNDERGROUND) X: P = POWER, F = FIBER OPTIC, L = LIGHTING CIRCUIT, C = COMMUNICATION
T	PAD-MOUNTED TRANSFORMER; DOOR SWING (WHERE SHOWN) INDICATES FRONT OF TRANSFORMER. LARGER DOOR IS HIGH VOLTAGE SIDE, SMALLER DOOR IS LOW VOLTAGE SIDE.

POWER (CONTINUED)

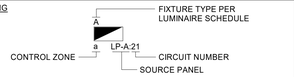
	SWITCH RATED PIN-AND-SLEEVE RECEPTACLE, 600V, 3-POLE + GROUND, 48"AFF TO BOTTOM OF RECEPTACLE, UON
	COMBINATION FUSED DISCONNECT AND INTERLOCKED PIN-AND-SLEEVE RECEPTACLE, 600V, 3-POLE + GROUND, 48"AFF TO BOTTOM OF RECEPTACLE, UON
DCP	DOOR CONTROL PANEL; DOUBLE LINE INDICATES FRONT.
	PUSHBUTTON CONTROL STATION
	E-STOP PUSHBUTTON
	CABLE TRAY
	BUS DUCT, PLUG-IN TYPE
	BUS DUCT, FEEDER TYPE
	BUS DUCT END CABLE TAP BOX
	BUS DUCT CENTER CABLE TAP BOX
	MOTOR CONTROL CENTER, FOOTPRINT AND NUMBER OF SECTIONS AS SHOWN ON PLANS; DOUBLE LINE INDICATES FRONT.
	SWITCHBOARD, FOOTPRINT AND NUMBER OF SECTIONS AS SHOWN ON PLANS; DOUBLE LINE INDICATES FRONT.
	SWITCHGEAR, FOOTPRINT AND NUMBER OF SECTIONS AS SHOWN ON PLANS; DOUBLE LINE INDICATES FRONT.
MH	MANHOLE
	UTILITY POLE
	UTILITY POLE WITH GUY WIRE
XX" XXX	FIELD INSTRUMENT; "XX" "XXX" INDICATES TAG NUMBER. *SEE P&ID SHEETS, CONTROL WIRING DIAGRAMS, AND DIVISION 40 SPECIFICATIONS
MOV - XXX	MOTOR OPERATED VALVE; "XXX" INDICATES TAG NUMBER.
MOG - XXX	MOTOR OPERATED GATE; "XXX" INDICATES TAG NUMBER.

ELECTRICAL NOTATIONS

HOMERUN



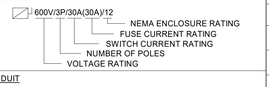
LIGHTING



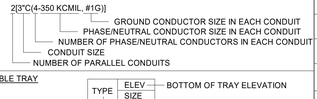
RECEPTACLE MOUNTING



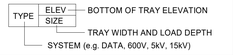
DISCONNECT RATINGS



WIRE AND CONDUIT



CABLE TRAY



EQUIPMENT NAMING

XX-YY

- UNIQUE EQUIPMENT DESIGNATION
- EQUIPMENT TYPE:
  - DP = DISTRIBUTION PANEL
  - RP = RECEPTACLE PANEL
  - LP = LIGHTING PANEL
  - LC = LIGHTING CONTACTOR
  - FD = FUSED DISCONNECT
  - NF = NON-FUSIBLE DISCONNECT
  - CS = COMBINATION STARTER
  - CP = CONTROL PANEL
  - T-XX = TRANSFORMER; XX INDICATES SECONDARY PANEL TYPE

GROUNDING

	EXOTHERMIC WELD BONDING CONNECTION
	COMPRESSION / MECHANICAL BONDING CONNECTION
	GROUND ROD, 3/4" x 10', COPPER
	GROUND ROD IN TEST WELL
	GROUND BAR
G	COPPER GROUND CABLE
	COPPER GROUND CABLE, STUBBED UP 10' ABOVE FINISHED FLOOR OR GRADE FOR EQUIPMENT CONNECTION, UON

ONE-LINE DIAGRAMS

52	DRAWOUT CIRCUIT BREAKER, 5 KV AND ABOVE
	DRAWOUT LOW VOLTAGE CIRCUIT BREAKER
	FIXED MOUNTED LOW VOLTAGE CIRCUIT BREAKER, THERMAL MAGNETIC UON
	FUSE
	DRAWOUT CIRCUIT BREAKER OR FUSE CLIP POSITION (SPACE WITH PROVISIONS)
	BUS STAB OR SEPARABLE CONNECTOR
	SWITCH
	TRANSFER SWITCH, AUTOMATIC UON
	CONTACTOR
	POWER TRANSFORMER, WINDING CONFIGURATION AS INDICATED (DELTA PRIMARY / SOLIDLY GROUNDED WYE SECONDARY SHOWN)
	GROUND CONNECTION
	RESISTANCE OR IMPEDANCE GROUND CONNECTION
N G	NEUTRAL-GROUND BOND (MAIN BONDING JUMPER)
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER (SHOWN AROUND FEEDER)
STB	SHORTING TERMINAL BLOCK
TB	TERMINAL BLOCK
	LIGHTNING ARRESTOR
	BATTERY
#	MOTOR; "#" INDICATES MOTOR HORSEPOWER.
G	GENERATOR
	LIGHTING LOAD
	CAPACITOR
	RESISTOR OR RESISTIVE HEAT LOAD
	OVERLOAD RELAY
#	PROTECTIVE RELAY; "#" INDICATES ANSI DEVICE NUMBER.
DPM A	DIGITAL POWER METER; "A" (WHERE SHOWN) INDICATES AMMETER ON CT'S FOR FEEDER BREAKER
A	AMMETER
M	METER
ARMS	ARC REDUCTION MAINTENANCE SYSTEMS
SPD	SURGE PROTECTIVE DEVICE
TU	TRIP UNIT, LSIG FUNCTIONS AS INDICATED
MTU	METERING TRIP UNIT, LSIG FUNCTIONS AS INDICATED
ST	SHUNT TRIP
K	KIRK KEY INTERLOCK
VTB	VOLTAGE TEST BLOCK
VFD	VARIABLE FREQUENCY DRIVE
SS	REDUCED VOLTAGE SOFT STARTER

NOTE: PLAN VIEW SYMBOLS MAY ALSO BE USED ON ONE-LINE DIAGRAMS.

WIRING

	CONDUIT EXPOSED OR ABOVE CEILING
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	FLEXIBLE CONDUIT CONNECTION
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB OUT; TERMINATE WITH BUSHING IF INTERIOR. CAP IF EXTERIOR OR UNDERGROUND.
XXX	XXX: UGP = UNDERGROUND PRIMARY UGS = UNDERGROUND SECONDARY UGE = UNDERGROUND ELECTRICAL UGE/C = UNDERGROUND ELECTRICAL / COMM. P = POWER S = SIGNAL E = ETHERNET D = DIGITAL I/O A = ANALOG I/O COMM = COMMUNICATIONS OH = OVERHEAD

SYSTEMS

SCP	SECURITY CONTROL PANEL
CR	CARD READER, 40"AFF UON
KP	SECURITY KEYPAD, 40"AFF UON
DR	AUTOMATIC DOOR OPERATOR
DA	AUTOMATIC DOOR ACTUATOR STATION, 40"AFF UON
ES	ELECTRIC DOOR STRIKE
DC	DOOR CONTACT
ML	MAGNETIC LOCK
DH	MAGNETIC DOOR HOLDER
EB	REQUEST-TO-EXIT BUTTON, 40"AFF UON
PTZ	CCTV CAMERA; "PTZ" (WHERE SHOWN) INDICATES PAN-TILT-ZOOM TYPE
x	DATA OUTLET, 18"AFF UON; "xD" SUPERSCRIPT INDICATES NUMBER OF CABLES/PORTS. NO SUPERSCRIPT = 2 CABLES/ PORTS.
x D x D	FLOOR BOX WITH DATA OUTLET(S) AS INDICATED
WAP	WIRELESS ACCESS POINT
AV	AUDIO/VIDEO RACK
S	SPEAKER
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
NAC	NOTIFICATION CIRCUIT POWER SUPPLY
ADM	ADDRESSABLE OUTPUT MODULE
AIM	ADDRESSABLE INPUT MODULE
	CEILING MOUNTED SMOKE DETECTOR
	DUCT SMOKE DETECTOR WITH ADDRESSABLE INPUT MODULE
	CEILING MOUNTED HEAT DETECTOR
F	FIRE ALARM MANUAL PULL STATION, 48"AFF UON
PS	PRE-ACTION SPRINKLER SYSTEM PRESSURE DETECTOR / SWITCH
TS	SPRINKLER SYSTEM TAMPER SWITCH
FS	SPRINKLER SYSTEM FLOW SWITCH
PIV	SPRINKLER SYSTEM POST INDICATOR VALVE SUPERVISORY SWITCH
110 110	WALL / CEILING MOUNTED FIRE ALARM COMBINATION AUDIBLE / STROBE NOTIFICATION DEVICE; SUPERSCRIPT INDICATES CANDELA RATING. NO SUPERSCRIPT = 30cd.
110 110	WALL / CEILING MOUNTED FIRE ALARM STROBE NOTIFICATION DEVICE; SUPERSCRIPT INDICATES CANDELA RATING. NO SUPERSCRIPT = 30cd.
	WALL / CEILING MOUNTED FIRE ALARM AUDIBLE NOTIFICATION DEVICE

LIGHTING

	CEILING MOUNTED LUMINAIRE (RECESSED, SURFACE MOUNTED, OR SUSPENDED AS INDICATED ON LUMINAIRE SCHEDULE); HALF SHADING INDICATES LUMINAIRE USED FOR EMERGENCY LIGHTING.
	WALL OR BRACKET MOUNTED LUMINAIRE; HALF SHADING INDICATES LUMINAIRE USED FOR EMERGENCY LIGHTING.
	STANCHION MOUNTED LUMINAIRE; HALF SHADING INDICATES LUMINAIRE USED FOR EMERGENCY LIGHTING.
	POLE MOUNTED LUMINAIRE(S); SQUARES INDICATE FIXTURE QUANTITY AND ORIENTATION.
	POST-TOP LUMINAIRE
	GROUND MOUNTED LUMINAIRE
	BOLLARD LUMINAIRE
	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, WALL OR BRACKET MOUNTED; SHADING REPRESENTS FACE OF SIGNAGE.
	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, CEILING MOUNTED; SHADING REPRESENTS FACE OF SIGNAGE.
	EXIT SIGN WITH BATTERY OPERATED EMERGENCY LIGHT FIXTURE, WALL MOUNTED
	BATTERY OPERATED EMERGENCY LIGHT FIXTURE
	REMOTE HEAD(S) FOR BATTERY OPERATED EMERGENCY UNIT
x	SWITCH, 20 AMP, 125 VOLT, 48"AFF, TOGGLE TYPE, UON; LOWERCASE LETTER INDICATES CONTROL ZONE. X: 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH D = DIMMING CONTROL SWITCH OS = OCCUPANCY/VACANCY SENSOR WITH PUSHBUTTON ON/OFF CONTROL, WALL MOUNTED
WS	WALL MOUNTED TOUCH-SCREEN LIGHTING CONTROL STATION, 48"AFF, UON
OS x	OCCUPANCY/VACANCY SENSOR, CEILING MOUNTED; LOWERCASE LETTER INDICATES CONTROL ZONE.
DS x	DAYLIGHT SENSOR, CEILING MOUNTED; LOWERCASE LETTER INDICATES CONTROL ZONE.
PC	PHOTOCELL, WALL MOUNTED, FACING NORTH
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL

ABBREVIATIONS

(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(R/E)	EXISTING TO BE RELOCATED (EXISTING LOCATION)
(R/N)	EXISTING RELOCATED (NEW LOCATION)
A, AMP	AMPERE
AC	ABOVE COUNTER / ALTERNATING CURRENT
ACS	ACCESS CONTROL SYSTEM
AF	AMPS FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE OR PAVEMENT
AI	ANALOG INPUT
AL	ALUMINUM
AO	ANALOG OUTPUT
ARMS	ARC REDUCTION MAINTENANCE SYSTEMS
AT	AMPS TRIP
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO/VISUAL
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
#/C	NUMBER OF CONDUCTOR(S)
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CAPTION TELEVISION
CKT	CIRCUIT
COMM	COMMUNICATIONS
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DI	DISCRETE INPUT
DISC	DISCONNECT
DO	DISCRETE OUTPUT
DP	DISTRIBUTION PANEL
DWG	DRAWING
E	EXISTING
EF	EXHAUST FAN
EL. ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
ER	EXISTING RELOCATED
EWC	ELECTRIC WATER COOLER
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
FBO	FURNISHED BY OTHERS
FDR	FEEDER
FS	FLOW SWITCH
FU	FUSE
FVR	FULL VOLTAGE REVERSING STARTER
FVNR	FULL VOLTAGE NON-REVERSING STARTER
FWU	FURNISHED WITH UNIT
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
H/A	HAND / AUTOMATIC
HOA	HAND / OFF / AUTOMATIC
HP	HORSEPOWER
HT	HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HZ	HERTZ
IND	INDICATING
INSTR	INSTRUMENT
KAIC	KILOAMP INTERRUPTING CAPACITY
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMP
KVAR	KILOVOLT-AMP REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LI	LONG-TIME & INSTANTANEOUS TRIP
LIM	LIMIT
LP	LIGHTING PANEL
L-R	LOCAL-REMOTE
LS	LONG-TIME & SHORT-TIME TRIP
LSI	LONG-TIME, SHORT-TIME, & INSTANTANEOUS TRIP
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS, & GROUND TRIP
LTG	LIGHTING
LVL	LEVEL
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MH	MOUNTING HEIGHT
MLO	MAIN LUGS ONLY
MOV	MOTOR OPERATED VALVE OR GATE
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NCTC	NORMALLY CLOSED, TIME CLOSE
NCTO	NORMALLY CLOSED, TIME OPEN
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOTC	NORMALLY OPEN, TIME CLOSE
NOTO	NORMALLY OPEN, TIME OPEN
NTS	NOT TO SCALE
OL	OVERLOAD RELAY
PH	PHASE
PIR	PASSIVE INFRARED
PIV	POST INDICATOR VALVE
POS	POSITION
PRI	PRIMARY
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
RCPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RP	RECEPTACLE PANEL
RVSS	REDUCED VOLTAGE SOFT STARTER
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SHLD	SHIELDED
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
STR	STARTER
SV	SOLENOID VALVE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TB	TERMINAL BOX
TEMP	TEMPERATURE
TERM	TERMINAL
TS	TEMPERATURE SWITCH / TAMPER SWITCH
TSP	TWISTED SHIELDED PAIR
TV	TELEVISION / MONITOR
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMP
VAR	VOLT-AMP REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHER PROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

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B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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DRAWING TITLE
ELECTRICAL LEGENDS & ABBREVIATIONS

PROJECT #: 6900

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ELECTRICAL DEMOLITION NOTES:

1. DEMOLITION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE LOCALLY ADOPTED NFPA 70 (NEC) CODE ALONG WITH APPLICABLE STATE AND LOCAL CODES. CONFORM TO ALL STATE, LOCAL, NATIONAL CODES AND AUTHORITIES HAVING JURISDICTION.
2. CONTRACTOR SHALL VISIT THE PROJECT SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS THAT MAY AFFECT EXECUTION OF THE WORK.
3. CONTRACTOR SHALL VISIT THE PROJECT SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS THAT MAY AFFECT EXECUTION OF THE WORK.
4. REMOVE ALL EXISTING ELECTRICAL ITEMS SUCH AS DEVICES, PLATES, BOXES, CONDUIT, FITTINGS, WIRE, PANELBOARDS, DISCONNECTS, ETC. FROM THE AREA INDICATED ON THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
5. ADDITIONAL EQUIPMENT, DEVICES AND RACEWAYS, WIRING, ETC. MAY BE REQUIRED AND NOT SHOWN WITHIN THESE PLANS.
6. ANY EXISTING ELECTRICAL SERVICES PASSING THROUGH THE DEMOLITION AREA BUT SERVICING OTHER AREAS SHALL BE MAINTAINED AT ALL TIMES BUT RE-ROUTED AR REQUIRED.
7. ALL MATERIAL NOT INDICATED TO BE SALVAGED SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF BY THE CONTRACTOR.
8. DEMOLITION WORK SHALL BE CONDUCTED SUCH THAT OPERATIONS AND REMOVAL OF DEBRIS WILL CREATE MINIMUM INTERFERENCE WITH OTHER ADJACENT OCCUPIED AREAS IN USE AND PREVENT INJURY TO OTHER AREAS, FACILITIES AND PERSONS.
9. ANY DAMAGE CAUSED TO ADJACENT AREAS OR FACILITIES SHALL BE PROMPTLY REPORTED AND REPAIRED WITHOUT COSTS TO THE FACILITY SERVICES ELECTRICAL DEPARTMENT.
10. LIGHTING AND POWER CIRCUITS BEING RECONNECTED TO EXISTING CIRCUITS SHALL NOT EXCEED 1440 WATTS FOR 15 AMP, 1-POLE CIRCUITS AND 1920 WATTS FOR 20 AMP, 1-POLE CIRCUITS, WHETHER OR NOT SPECIFICALLY ILLUSTRATED.
11. EXISTING CONDUIT, WIRING AND BOXES SHALL BE RETAINED WHERE APPLICABLE TO CONTINUE TO EXISTING CIRCUITRY. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CIRCUIT FEEDERS TO EXISTING PANELBOARDS AND MAINTAIN THOSE FEEDS FOR CONNECTION OF NEW EQUIPMENT AND/OR RETAINING POWER FOR NEW AND EXISTING.
12. EXISTING INTERIOR CONDUIT, WIRING AND BOXES MAY BE REUSED WHERE APPLICABLE, AND WHERE DETERMINED TO BE IN OPERATING AND ACCEPTABLE CONDITION. PRIOR TO START OF WORK, SCHEDULE A WALK-THROUGH WITH THE OWNER TO IDENTIFY ALL AREAS WHERE EXISTING CONDUIT AND CONDUCTORS ARE TO BE REMOVED.
13. EXISTING JUNCTION BOXES AND WIRING REUSED SHALL BE ACCESSIBLE AND PROVIDED WITH APPROVED COVERED PLATES.
14. WHERE NEW WORK IS ILLUSTRATED OR REQUIRED, ALL EXISTING WIRING NOT BEING REUSED FOR CONNECTION OF NEW EQUIPMENT AND/OR CONTINUING CIRCUITRY SHALL BE REMOVED AND THE CONDUIT AND BOXES ABANDONED AND BLANK COVER PLATES PROVIDED FOR DEVICES.
15. CONTRACTOR SHALL COORDINATE AND REVIEW MECHANICAL EQUIPMENT TO BE REMOVED. ALL ELECTRICAL DEVICES AND ASSOCIATED WIRING SHALL BE REMOVED BY THE CONTRACTOR AS NOTED ABOVE.
16. GENERALLY, ALL EXISTING LIGHT FIXTURES, WALL SWITCHES, RECEPTACLES, OR OTHER ELECTRICAL EQUIPMENT SHOWN WITH DASHED LINES OR IN HATCHED AREAS OF THE DRAWINGS, INDICATES THAT EQUIPMENT AND THE ASSOCIATED WIRING TO BE REMOVED, EXCEPT AS MAY BE NOTED ELSEWHERE. ALL THE EQUIPMENT DEVICES, CONDUIT, ETC. SHOWN LIGHTLY, GENERALLY INDICATES THAT EQUIPMENT TO REMAIN IN PLACE.
17. EQUIPMENT SHOWN WITH DASHED OR LIGHT LINES IS FOR CLARIFICATION ONLY, NOT TO LIMIT CONTRACTOR'S RESPONSIBILITY FOR REMOVING ASSOCIATED WIRING, ADDITIONALLY ALL EXISTING ELECTRICAL TO REMAIN HAS NOT BEEN ILLUSTRATED. UNLESS SPECIFICALLY NOTES ON THE DRAWINGS ARE REQUIRED WITHIN THESE SPECIFICATIONS OR OTHERWISE, THE EXISTING ELECTRICAL SHALL REMAIN.
18. SECURE AND PAY ALL NECESSARY FEES AND PERMITS.
19. CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING CONDUCTORS TO BE DEMOLISHED FROM CONDUIT ENCASED IN CONCRETE. SEAL CONDUIT AT EACH END.
20. CONTRACTOR TO PATCH ALL HOLES IN WALLS AND SLABS CAUSED BY THE REMOVAL OF ELECTRICAL EQUIPMENT OR CONDUIT.
21. CONTRACTOR IS RESPONSIBLE FOR ROOF REPAIR WHERE ROOF DAMAGE IS CAUSED BY THE REMOVAL OF ELECTRICAL EQUIPMENT, SUPPORT OR CONDUIT.
22. SEAL ANY CONDUIT PENETRATIONS THAT ARE ABANDONED IN PLACE.
23. CONTRACTOR IS RESPONSIBLE FOR MINOR RELOCATION AND RECONNECTION OF EXISTING LIGHTING, FIRE ALARM SYSTEMS OR OTHER SYSTEMS AS REQUIRED BY DEMOLITION WORK OR THE INSTALLATION OF NEW EQUIPMENT.
24. THE CONTRACTOR IS TO REMOVE ALL EXISTING SURFACE METAL RACEWAY AND DEVICES IN AREAS DESIGNATED FOR DEMOLITION.

FIRE ALARM SYSTEM GENERAL NOTES:

1. REFER TO SHEET E0001 FOR SYMBOL SCHEDULE AND GENERAL NOTES.
2. INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH ALL PERTINENT CODES, REGULATIONS, RULES, AND LAWS OF THE AUTHORITY, AND LOCAL JURISDICTION, AS WELL AS PER PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL FURNISH ALL LABOR, SERVICES AND MATERIALS NECESSARY TO INSTALL A COMPLETE, AND FUNCTIONAL FIRE ALARM SYSTEM AND BE LICENSED IN THE JURISDICTION FOR FIRE ALARM SYSTEM INSTALLATION. PROVIDE NICET LEVEL FOUR MINIMUM CERTIFICATION FOR SUPERVISORS OF INSTALLATION TEAMS AND COMMISSIONING TECHNICIANS. THE CONTRACTOR SHALL HAVE SUCCESSFULLY INSTALLED A SIMILAR FIRE DETECTION SYSTEM AND SIGNALING CONTROL COMPONENTS ON A PREVIOUS PROJECT OF COMPARABLE SIZE AND COMPLEXITY.
4. ALL EQUIPMENT AND COMPONENTS SHALL BE THE MANUFACTURER'S CURRENT MODEL. ALL SYSTEM COMPONENTS SHALL BE CATALOGED PRODUCTS OF A SINGLE SUPPLIER. ALL PRODUCTS SHALL BE LISTED BY THE MANUFACTURER FOR THEIR INTENDED PURPOSE.
5. EACH AUTOMATIC OR MANUAL INITIATING DEVICE SHALL BE A SINGLE ADDRESSABLE POINT.
6. MONITORING OF ALL FIRE PUMP CONTROLLERS, POST INDICATOR VALVES, SECTIONAL CONTROL VALVES, SPRINKLER FLOW SWITCHES, AND SPRINKLER VALVE TAMPER SWITCHES SHALL BE PROVIDED. PROVIDE EXTERIOR NOTIFICATION APPLIANCES AT THE LOCATION OF ALL SUPPRESSION SYSTEM RISERS. CLOSE COORDINATION WITH THE SPRINKLER SYSTEM DESIGN DOCUMENTS AND THE SPRINKLER SYSTEM CONTRACTOR IS REQUIRED.
7. THE FIRE ALARM VENDOR SHALL PROVIDE MONITORING OF ALL CODE REQUIRED SYSTEMS INCLUDING ALARM, TROUBLE, AND SUPERVISORY SIGNALS .
8. ADDRESSABLE DUCT SMOKE DETECTORS SHALL BE INSTALLED IN ALL AIR HANDLER UNITS AS REQUIRED BY CODE, IN A LOCATION ACCESSIBLE FOR CLEANING AND TESTING, IN A LOCATION APPROVED BY THE HVAC UNIT MANUFACTURERS, AND IN A LOCATION APPROVED BY THE AHJ. DUCT SMOKE DETECTORS SHALL BE WIRED TO SHUT OFF POWER TO LOCAL AIR HANDLING EQUIPMENT. MOUNT SO THAT THE DEVICE IS ACCESSIBLE. VERIFY PLACEMENT WITH MECHANICAL TRADES AND OWNER. BOTH ENDS OF THE SAMPLING TUBE SHALL BE SECURED, AND THE SUPPLY TUBE END CAPPED. PROVIDE DUCT SMOKE DETECTORS AT ALL SMOKE DAMPERS CONFIGURED TO CLOSE THE DAMPER UPON ACTIVATION AND CONNECTED TO THE BUILDING FIRE ALARM SYSTEM. PROVIDE REMOTE INDICATOR/TEST SWITCH UNITS FOR EACH DUCT SMOKE DETECTOR.
9. INCOMING 120VAC 60HZ POWER TO FIRE ALARM PANELS SHALL BE DEDICATED AND EQUIPPED WITH ADDITIONAL SURGE SUPPRESSION SEPARATE FROM THE FIRE ALARM PANEL. PROVIDE A LOCKING BREAKER FOR ALL 120VAC POWER FEEDS TO FIRE ALARM EQUIPMENT AND LABEL IN RED TEXT AS "FIRE ALARM SYSTEM".
10. WHERE MORE THAN TWO STROBES ARE IN THE SAME LINE OF SIGHT, OR IN THE SAME ROOM, THE STROBES SHALL FLASH IN SYNCHRONIZATION. ALL WALL MOUNTED STROBES SHALL BE PLACED 80" TO 96" A.F.F. FROM THE BOTTOM OF THE LENS .
11. LOCATE SMOKE DETECTORS AND HEAT DETECTORS SO AS TO BE ACCESSIBLE FOR TESTING AND MAINTENANCE. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
12. CONTRACTOR SHALL INSTALL THE NUMBER OF TRANSPONDER PANELS, REMOTE POWER SUPPLIES, AND REMOTE AMPLIFIERS REQUIRED FOR THE ENTIRE PROJECT SCOPE AREA BASED ON THE MOST ECONOMICAL DESIGN .
13. PROVIDE AND INSTALL HARDWARE INTERFACE BETWEEN FIRE ALARM PANEL AND ACCESS CONTROL DOORS TO PROVIDE FOR UNLOCKING AND DOOR RELEASE IN THE EVENT OF A FIRE ALARM .
14. PROVIDE FOR 20% EXPANSION ON ALL ADDRESSABLE LOOPS, VISUAL CIRCUITS, AUDIBLE CIRCUITS, POWER SUPPLIES, AMPLIFIERS, BATTERIES, AND INTERNAL PANEL EXPANSION .
15. PROVIDE AND INSTALL THE REQUIRED INPUT AND OUTPUT CONNECTIONS TO ANCILLARY SYSTEMS. THIS INCLUDES BUT IS NOT LIMITED TO SHUTTING OFF ANY / ALL SOUND MAKING SYSTEMS, PAGING SYSTEMS AND BACKGROUND MUSIC SYSTEMS IN THE EVENT OF AN ALARM CONDITION .
16. ALL EXTERIOR UNDERGROUND WIRING WILL BE RATED AND LISTED FOR OUTDOOR USE AND BE CAPABLE OF BEING SUBMERGED UNDER WATER, SURGE PROTECTION SHALL BE INSTALLED AT EACH END OF ALL EXTERIOR MONITORED DEVICES.
17. ALL FIRE ALARM CABLE WILL BE FIRE ALARM LISTED FOR INTENDED USE AND SHALL HAVE ITS LISTING ON THE OUTER JACKET. ALL FIRE ALARM CABLE SHALL HAVE AN OUTER JACKET THAT IS RED IN COLOR. THIS INCLUDES ALL CABLING USED FOR ANY FIRE ALARM DEVICE(S) INCLUDING PIV'S, SCV'S, FLOW SWITCHES, OR ANY OTHER MONITORED POINT CONNECTED TO THE FIRE ALARM SYSTEM. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN CONDUIT FROM DEVICE UP TO THE CEILING SPACE INCLUDING IN WALL INSTALLATIONS. CABLING IN THE CEILING SPACE SHALL BE INSTALLED IN CABLE TRAY OR IN J-HOOKS.
18. FIRE ALARM SYSTEM RISER DIAGRAM IS REPRESENTATIVE AND CONCEPTUAL ONLY. CABLES ARE SHOWN AS EXAMPLE ONLY. RISER DIAGRAM IS PROVIDED FOR A BASIC SYSTEM OUTLINE AND ZONING AID. FURNISH AND INSTALL ALL EQUIPMENT, CABLE AND DEVICES REQUIRED TO MEET THE INTENT OF THE SPECIFICATIONS. PROVIDE CABLE PER MANUFACTURER AND CIRCUIT REQUIREMENTS. ALL DEVICES NOT SHOWN.
19. PROVIDE CONDUCTORS POWER SUPPLIES AND WIRE GAUGE NECESSARY TO SUPPLY EACH STROBE WITH 110cd PER DEVICE AND EACH SPEAKER WITH 2w.
20. ALL CABLES SHALL BE SHIELDED UNLESS MANUFACTURER CAN PROVE THAT SIGNALING, POWER, AND AUDIO WILL NOT BE AFFECTED BY EMI AND OTHER INTERFERENCE. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PROPER SEPARATION FROM OTHER CABLES AT ALL TIMES. ALL CABLES AND FIBER WILL BE IN CONDUIT OR CABLE TRAY.
21. PROVIDE MINIMUM 15db ABOVE AMBIENT FIRE ALARM AUDIBLE NOTIFICATION SIGNAL FOR ALL AREAS.
22. FIELD LOCATE NOTIFICATION APPLIANCE POWER SUPPLIES AS REQUIRED TO SERVE STROBES. PROVIDE DEDICATED 120V POWER TO ALL STROBE POWER SUPPLIES. NOTIFICATION APPLIANCE CIRCUITS SHALL NOT BE T-TAPPED. POWER SUPPLY BATTERY BACK-UP SHALL MATCH THAT OF THE MAIN FIRE ALARM CONTROL PANEL.
23. LOCATE THE ALARM ANNUNCIATOR PANELS AT THE LOCATIONS INDICATED ON THE PLANS OR BY OWNER.
24. PROVIDE AND INSTALL A FIRE ALARM MANUAL PULL STATION WITH 5'-0" OF EVERY EGRESS DOOR AND SO THAT THE MAXIMUM TRAVEL DISTANCE TO A MANUAL PULL STATION DOES NOT EXCEED 200'-0".
25. PROVIDED SUFFICIENT EMERGENCY BATTERY BACKUP TO PROVIDE ALL FIRE ALARM EQUIPMENT 24 HOURS OF STAND BY POWER FOLLOWED BY 15 MINUTES OF ALARM.
26. SMOKE AND HEAT DETECTORS SHALL BE NO CLOSER THAN 3'-0" FROM ANY HVAC DIFFUSER OR RETURN AIR GRILL.
27. FIRE ALARM SYSTEM IS A DESIGN BUILD SYSTEM THAT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. SHOP DRAWINGS SHALL BE PREPARED AND STAMPED BY PERSONS WITH THE FOLLOWING QUALIFICATIONS: 1) FIRE PROTECTION P.E. OR 2) FIRE ALARM CERTIFIED BY NICET MINIMUM LEVEL FOUR. IN ADDITION TO DISTRIBUTION REQUIREMENTS FOR SUBMITTALS SPECIFIED IN SPECIFICATIONS, MAKE AN IDENTICAL SUBMITTAL TO AUTHORITIES HAVING JURISDICTION. SEE SPECIFICATION 28 46 21.11 ADDRESSABLE FIRE ALARM SYSTEM FOR ADDITIONAL INFORMATION.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION, INTEGRATION, AND COMMISSIONING OF THE EXPANDED FIRE ALARM SYSTEM WITH THE EXISTING AIRPORT FIRE ALARM AND LIFE SAFETY SYSTEMS. THIS INCLUDES, BUT IS NOT LIMITED TO:
    - COORDINATION WITH THE AUTHORITY HAVING JURISDICTION (AHJ), AIRPORT OPERATIONS, AND EXISTING SYSTEM VENDORS.
    - VERIFICATION OF EXISTING SYSTEM CAPACITY, COMPATIBILITY, AND NETWORK ARCHITECTURE PRIOR TO INSTALLATION.
    - FURNISHING AND INSTALLING ALL REQUIRED HARDWARE, SOFTWARE, GATEWAYS, NETWORK MODULES, AND INTERFACES NECESSARY FOR A FULLY FUNCTIONAL AND UNIFIED SYSTEM.
    - ENSURING FULL COMPLIANCE WITH NFPA 72, NFPA 101, AND ALL APPLICABLE LOCAL AND AIRPORT AUTHORITY REQUIREMENTS.
    - COORDINATION OF ALL SHUTDOWNS, TIE-INS, AND CUTOVERS TO AVOID DISRUPTION TO ACTIVE AIRPORT OPERATIONS.
    - PROGRAMMING, TESTING, AND COMMISSIONING OF THE INTEGRATED SYSTEM, INCLUDING FULL SYSTEM ACCEPTANCE TESTING WITH THE AHJ AND OWNER.
    - UPDATING ALL RECORD DRAWINGS, SEQUENCE OF OPERATIONS, CAUSE-AND-EFFECT MATRIX, AND PROVIDING COMPLETE AS-BUILT DOCUMENTATION.
    - COORDINATION WITH OTHER TRADES AND SYSTEMS, INCLUDING BUT NOT LIMITED TO HVAC CONTROLS, SMOKE CONTROL SYSTEMS, MASS NOTIFICATION SYSTEMS, ACCESS CONTROL, AND BUILDING MANAGEMENT SYSTEMS.
    - ANY ADDITIONAL EQUIPMENT, PROGRAMMING, OR MODIFICATIONS REQUIRED TO ACHIEVE A FULLY OPERATIONAL AND CODE-COMPLIANT INTEGRATED SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE, WHETHER OR NOT EXPLICITLY SHOWN ON THE CONTRACT DOCUMENTS.

ELECTRICAL GENERAL NOTES:

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

SYSTEMS GENERAL NOTES:

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

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1	CONSTRUCTION DOCUMENTS	05/01/2026

STAMP

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Jan-26-EN Num 50120

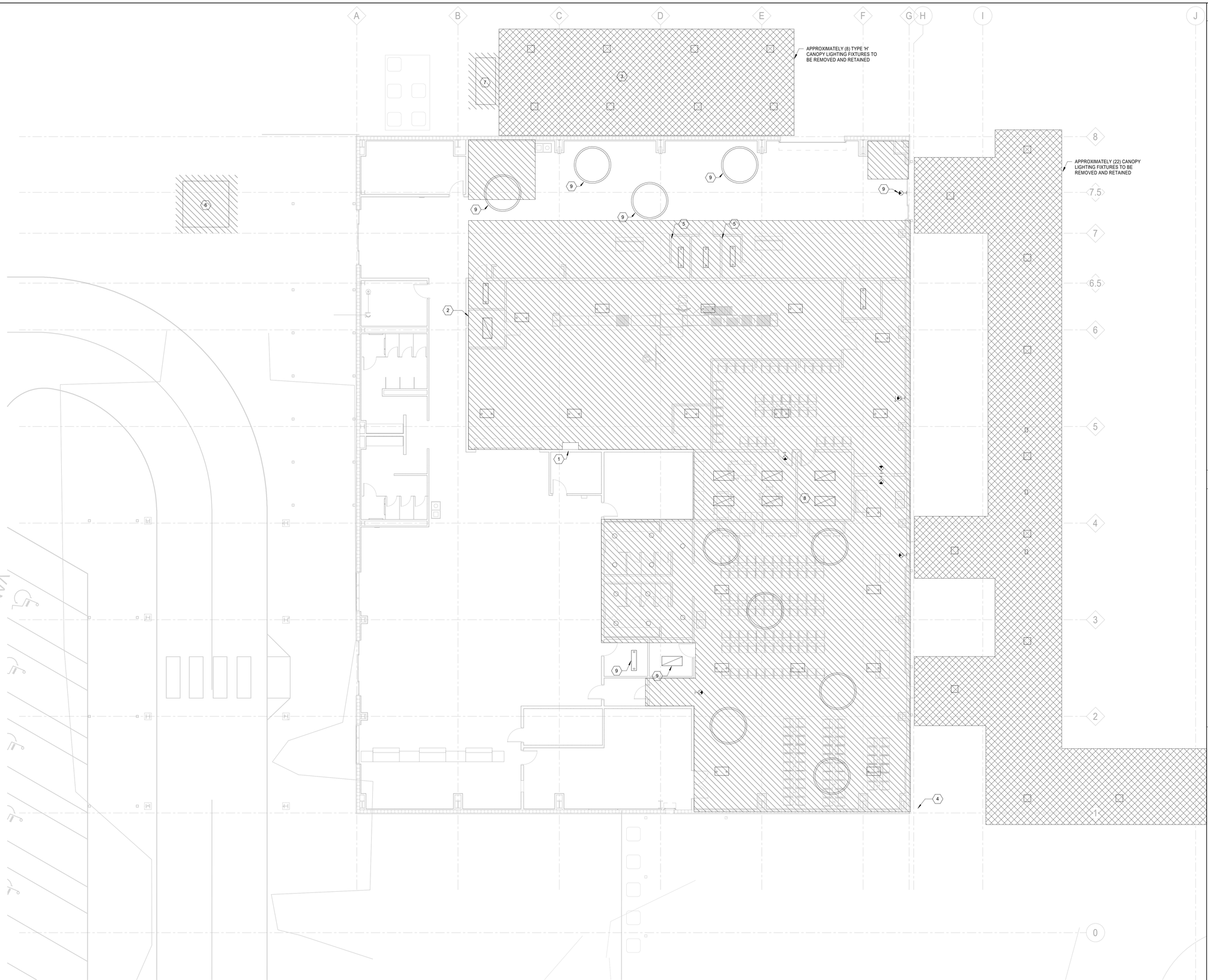
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1 E1501 ELECTRICAL DEMOLITION PLAN - TERMINAL

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

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE MAIN POWER RE-LOCATION WITH INTERIOR TSA RE-LOCATION SCOPE OF WORK. CONTRACTOR TO NOTIFY OWNER OF DOWNTIME, AND MODIFY ELECTRICAL SERVICE HAVING POWER BACK WITHIN 10 DAYS OF DISCONNECTION.
2. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS, SLABS, AND OTHER FEATURES BEING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:
   - A. CONDUIT FEEDING EQUIPMENT FROM SLAB TO REMAIN TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
   - B. CONDUIT FEEDING EQUIPMENT FROM SLAB, WALL, OR OTHER FEATURE BEING REMOVED SHALL BE CAPPED AND REMAIN IN PLACE.
   - C. CONDUIT ABOVE DROP CEILINGS FEEDING EQUIPMENT BEING REMOVED SHALL BE DISCONNECTED AND REMOVED BACK TO SOURCE. ANY DAMAGE TO CEILINGS SHALL BE REPLACED OR REPAIRED TO MATCH EXISTING.
   - D. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM THE MID-POINT OF THE CIRCUIT.
   - E. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED TO BE REUSED AS NOTED ON DRAWINGS. ALL OTHER UNUSED CIRCUIT BREAKERS TO BE LABELED AS SPARE.
   - F. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC., BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH & FIRE PROTECTION RATING.
   - G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.
   - H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS OR FIELD VERIFICATION AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.
3. HALF-TONED FIXTURES ARE EXISTING TO REMAIN AND ARE FOR REFERENCE ONLY.
4. ALL REMOVED ELECTRICAL AND LIGHTING FIXTURES ARE TO BE RETAINED AND RETURNED TO OWNER.
5. ELECTRICAL DEMOLITION SHOWN ON THE CONTRACT DOCUMENTS IS NOT INTENDED TO BE ALL-INCLUSIVE. CONTRACTOR SHALL INVESTIGATE EXISTING CONDITIONS AND VERIFY ALL ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, DEVICES, AND SYSTEMS REQUIRING REMOVAL OR ABANDONMENT TO FACILITATE THE WORK. DEMOLITION SHALL INCLUDE ALL ASSOCIATED COMPONENTS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION, WHETHER OR NOT SPECIFICALLY INDICATED.
6. ALL LIGHTING FIXTURES ON EXTERIOR CANOPYS ARE TO BE REMOVED AND RETAINED FOR USE ON NEW BUILD CANOPY.

KEYED NOTES (#)

1. TSA ROLL UP DOOR DISCONNECT TO REMAIN.
2. EXISTING PANELS RP-4, T-RP-4B, AND RP-4B LOCATED IN THIS ROOM ARE TO BE REMOVED AND RELOCATED TO ELECTRICAL ROOM T-128 (SEE E3101) IN NEW FLOOR PLAN DESIGN. CIRCUITS ARE TO BE MAINTAINED AS NOTED IN PANEL SCHEDULE.
3. LIGHTING ON THIS CANOPY TO BE RELOCATED TO NEW ARFF CANOPY LOCATION NEAR HOLDROOM AND MODULAR BUILDING.
4. APPROXIMATE LOCATION OF WATER CABINET CIRCUITS. ELECTRICAL CONNECTIONS TO JUNCTION BOXES SHALL BE REMOVED AND RELOCATED TO NORTH EAST CORNER OF TERMINAL. REFERENCE E3101 FOR NEW LOCATION.
5. REMOVE AND RELOCATE ALL EXISTING IT RACKS, CABINETS, SWITCHES, AND PATCH PANELS CURRENTLY SERVING THE EXISTING AREA TO ELECTRICAL ROOM 102 UNLESS OTHERWISE NOTED BELOW. CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS AND COORDINATE FINAL RACK LOCATIONS, CLEARANCES, AND CONDUIT ROUTING WITH IT, ELECTRICAL, AND MECHANICAL TRADES PRIOR TO INSTALLATION
6. EXISTING TRANSFORMER TO BE DISCONNECTED AND MOVED TO NEW LOCATION BY UTILITY PRIOR TO DESIGN PHASE 3.
7. EXISTING 80 kW GENERATOR 'GEN-01' TO BE DISCONNECTED AND MOVED TO NEW LOCATION.
8. APPROXIMATE LOCATION OF TSA IT CABINET. ELECTRICAL CONNECTION (L6-30R) TO BE REMOVED AND RELOCATED TO TSA IT 129. REFERENCE E3101 FOR NEW LOCATION.
9. LIGHTING FIXTURE WILL BE REMOVED AND RELOCATED.

LEGEND

- LIGHTING FIXTURES UNDER CANOPY TO BE REMOVED AND RELOCATED.
- ALL ELECTRICAL FIXTURES IN THIS AREA ARE TO BE REMOVED. LOW VOLTAGE, LIGHTING CONTROLS, AND FIRE ALARM FIXTURES TO BE REMOVED WHERE WALLS ARE BEING DEMOLISHED. LIGHT FIXTURES SHOWN ON PLAN TO BE REMOVED AND RELOCATED.

PLAN NORTH / TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS LETSON 50120

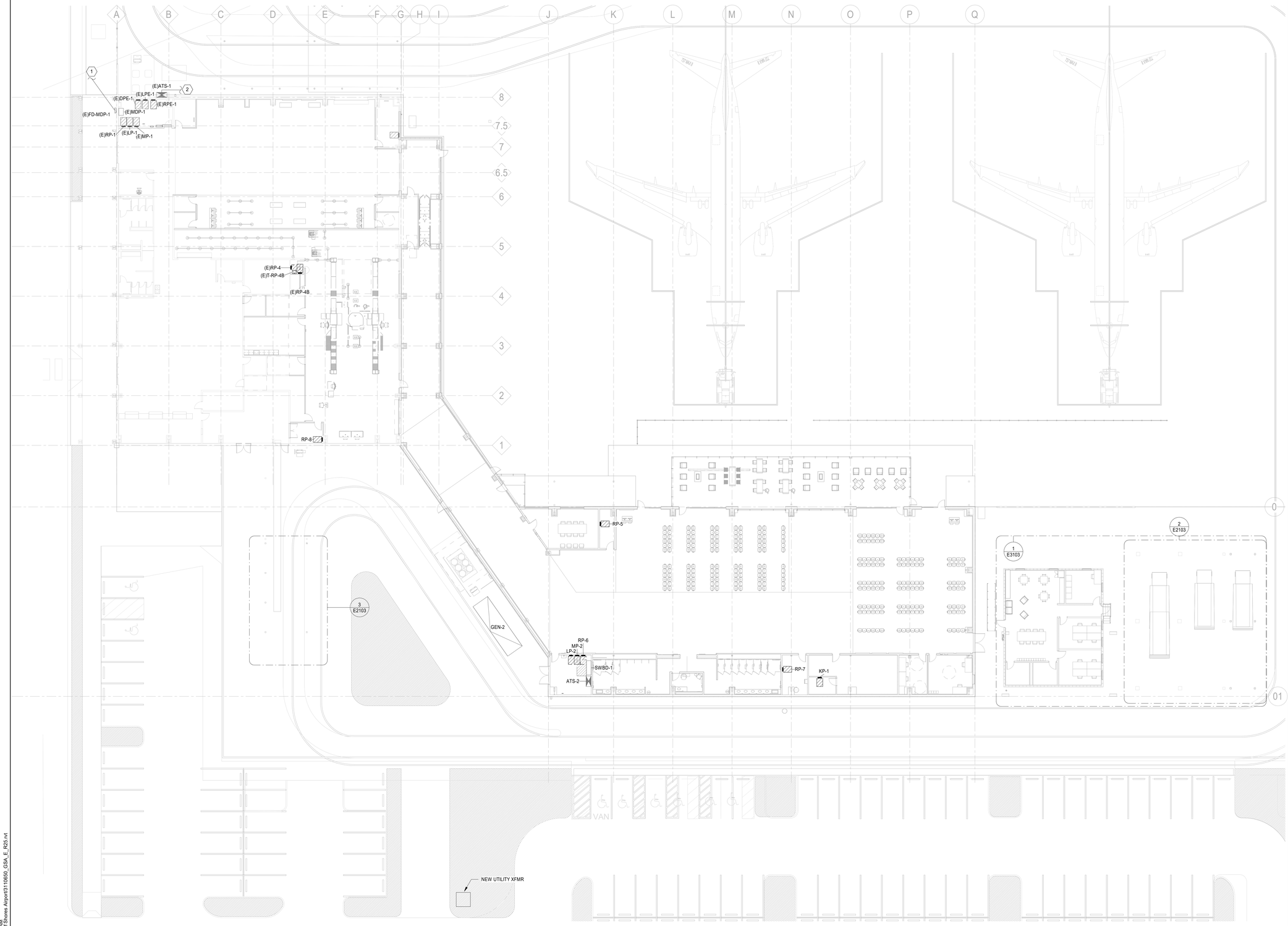
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ELECTRICAL DEMOLITION PLAN

PROJECT #: 6900

SHEET NUMBER
E1501

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1 E2001 **ELECTRICAL OVERALL PLAN**

SCALE: 1/16" = 1'-0"

KEYED NOTES

1. NEW SERVICE FEED FROM RELOCATED UTILITY TRANSFORMER.
2. NEW (E)GEN-01 FEEDER TO (E)ATS-1.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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1	CONSTRUCTION DOCUMENTS	05/01/2026

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Jackson Engineering No. 50120

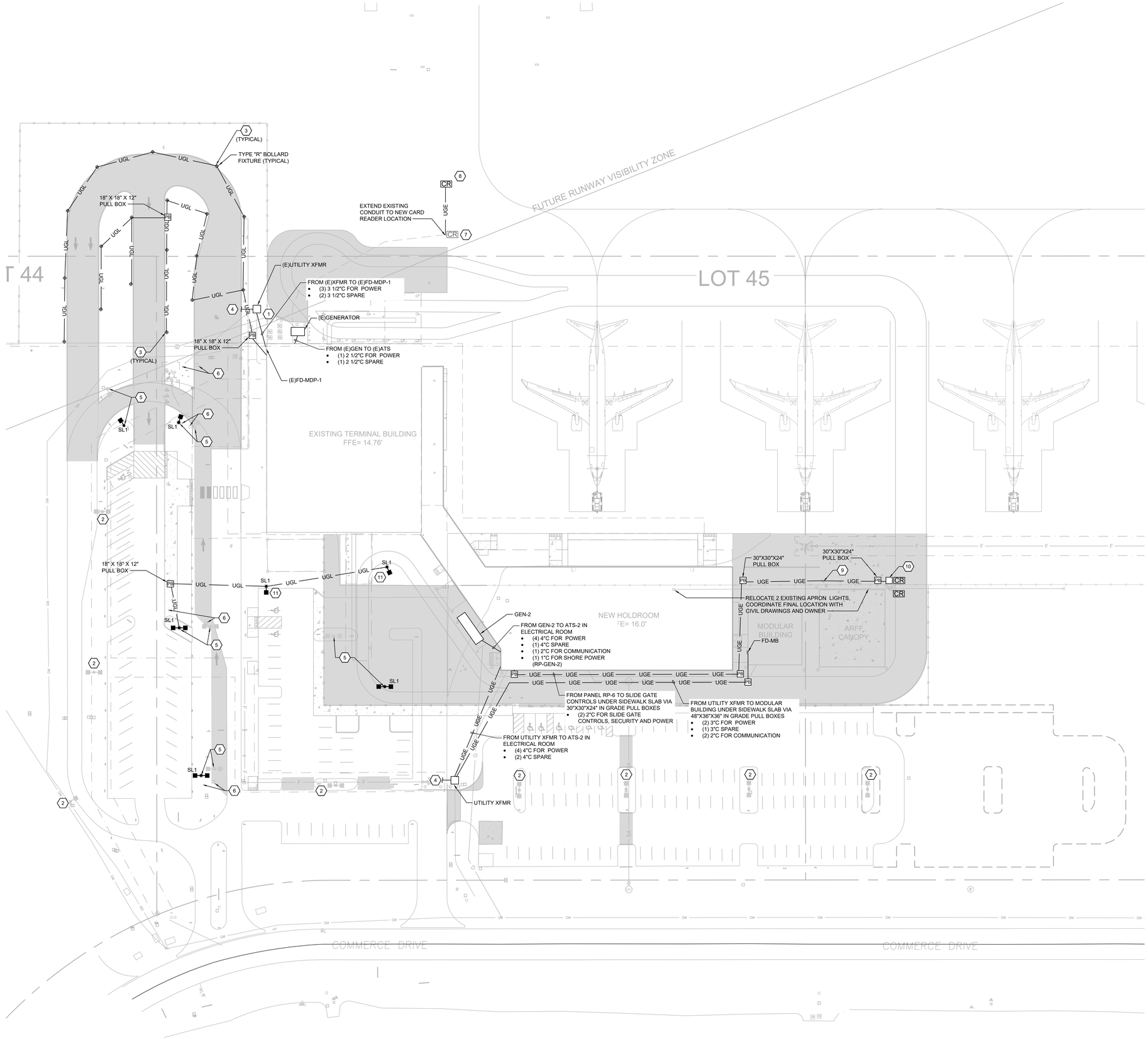
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ELECTRICAL OVERALL PLAN

PROJECT #: 6900

SHEET NUMBER
E2001

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1 ELECTRICAL SITE PLAN

ES101

SCALE: 1" = 30'-0"

GENERAL NOTES

1. ALL SITE LIGHTING CIRCUITS SHALL BE #6 (PHASE CONDUCTORS AND NEUTRAL) WITH #10G IN 2"C U.N.O.
2. REFER TO SHEET E6001 FOR SITE FIXTURE SCHEDULE.
3. CONTRACTOR SHALL VERIFY EXISTING POLE HEIGHTS AND LUMINAIRE MOUNTING HEIGHTS PRIOR TO ORDERING MATERIALS OR INSTALLATION. NEW POLES AND LUMINAIRES SHALL MATCH EXISTING POLE HEIGHTS AND LUMINAIRE MOUNTING HEIGHTS.
4. LIGHTING WITHIN RUNWAY VISIBILITY ZONE IS PROVIDED USING BOLLARDS AS SHOWN PER AVIATION SAFETY OPERATION REQUIREMENTS. THIS LIMITS LIGHTING LEVELS, AND LIGHTING IS PROVIDED TO LIGHT EDGE OF ROADWAY ONLY.

KEYED NOTES (#)

1. EXISTING UTILITY TRANSFORMER SHALL BE RELOCATED OUT OF AIRPORT DRIVEWAY PATH. CONTRACTOR SHALL PROVIDE NEW UNDERGROUND ELECTRICAL CONNECTION TO MAIN DISCONNECT AND CONNECT TO GROUND AS REQUIRED. CONTRACTOR SHALL COORDINATE RELOCATION OF EXISTING TRANSFORMER WITH BALDWIN UTILITIES AND MEET BALDWIN UTILITY REQUIREMENTS.
2. EXISTING LIGHT FIXTURE TO REMAIN.
3. BOLLARD LIGHTING SHALL BE CONTROLLED BY INTEGRAL PHOTOCELL PROVIDED WITH FIXTURE. RUN NEW CIRCUIT FROM (E)LP-1:27,29.
4. PRIMARY CONDUCTORS AND RACEWAYS TO BE PROVIDED BY UTILITY. CONTRACTOR IS RESPONSIBLE FOR POURING TRANSFORMER PAD.
5. EXISTING SITE LIGHT FIXTURE AND POLE BASE TO BE RELOCATED. MAINTAIN EXISTING CIRCUIT AND CONTROLS, EXTEND AS NECESSARY.
6. RELOCATE EXISTING PULL BOX AS REQUIRED TO CLEAR THE PROPOSED DRIVEWAY EXPANSION. ALL EXISTING CONDUITS AND CONDUCTORS ROUTED THROUGH PULL BOX SHALL BE EXTENDED, RE-TERMINATED AND RECONNECTED AS REQUIRED TO MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS. NEW LOCATION SHALL BE COORDINATED WITH SITE CONDITIONS AND FINAL LOCATION WITH OWNER. CONTRACTOR SHALL VERIFY ALL EXISTING CONDUITS, CONDUCTORS, AND ROUTING PRIOR TO RELOCATION.
7. APPROXIMATE LOCATION OF EXISTING BAGGAGE RAMP CARD READER. CONTRACTOR TO EXTEND EXISTING 1"C TO NEW LOCATION.
8. RELOCATED EXISTING BAGGAGE RAMP CARD READER.
9. PROVIDE (2) 2" CONDUIT FROM ELECTRICAL ROOM TO SLIDE GATE CONTROLLER ENCLOSURE FOR POWER, GATE CONTROLS, SECURITY CAMERA, AND ACCESS CONTROL. COORDINATE FINAL LOCATION WITH SLIDE GATE VENDOR AND OWNER.
10. APPROXIMATE LOCATION OF NEMA 4 GATE CONTROLLER ENCLOSURE. PROVIDE POWER CONNECTION BACK TO RP-6:39,41.
11. CONTRACTOR SHALL EXTEND EXISTING CIRCUIT AND ASSOCIATED CONTROL WIRING TO SERVE NEW FIXTURES.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS CAMPION
Jason Green Rev. 50120

DRAWING TITLE

PROJECT #: 3110650

SHEET NUMBER

E2002

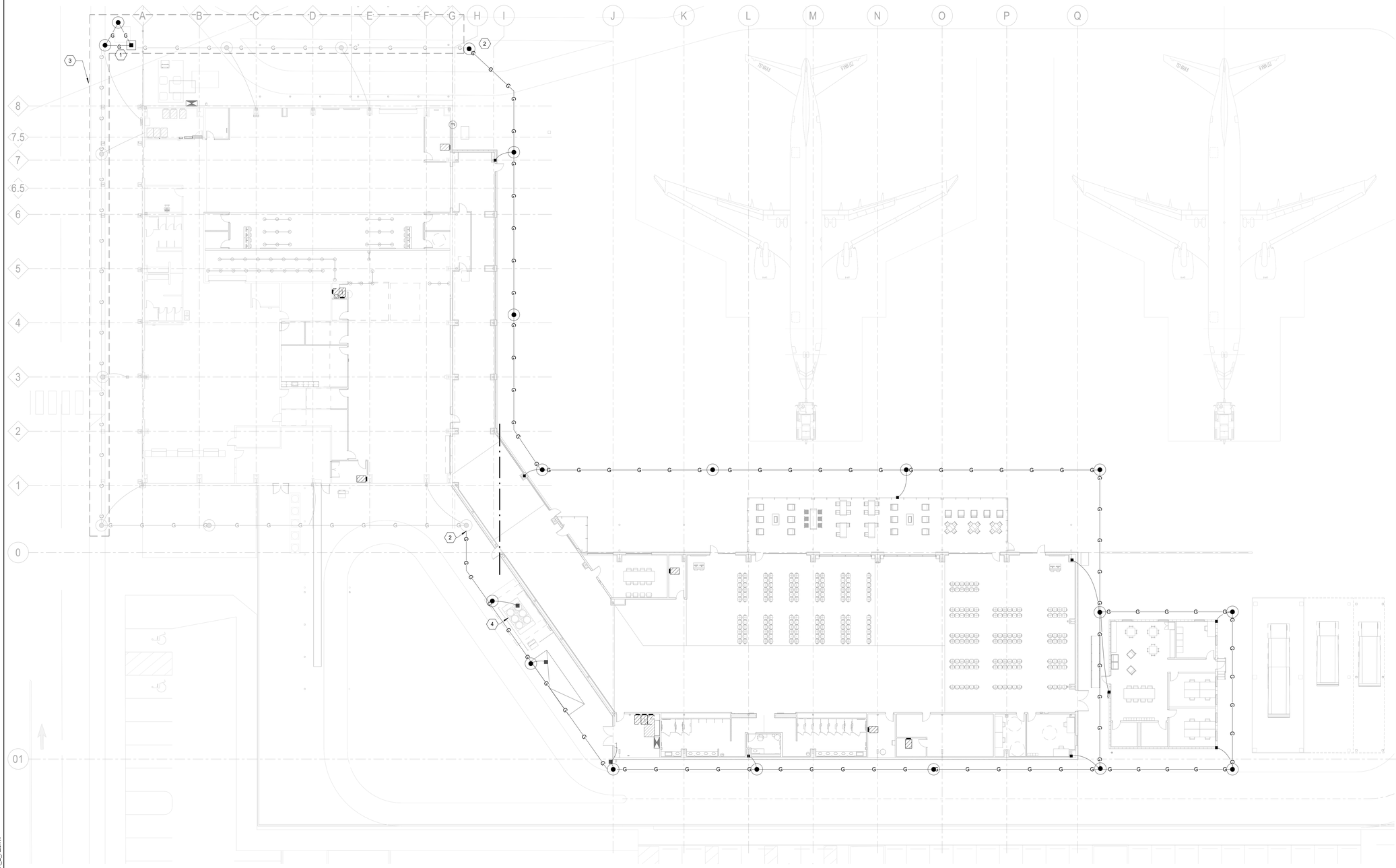
PLAN NORTH

TRUE NORTH

SCALE: 0' 15' 30' 60'

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FILE NO: 31106-52



KEYED NOTES

1. EXISTING GROUND TRIAD WILL NEED TO BE RELOCATED OUT OF AIRPORT DRIVEWAY PATH AND RECONNECTED TO EXISTING GROUNDING RING.
2. CONNECT TO EXISTING GROUNDING RING.
3. DASHED LINE AROUND GROUND RING CONTRACTOR TO PROVIDE PRICING TO MOVE GROUNDING GRID AND TRIAD OUTSIDE OF CIVIL ROAD EXPANSION WORK.
4. PROVIDE GROUND RING AROUND GENERATOR WITH MINIMUM OF 2 GROUND ROUNDS.
5. THE EXISTING LIGHTNING PROTECTION SYSTEM SHALL BE EXTENDED TO FULLY PROTECT THE NEW TERMINAL AND ANY ASSOCIATED STRUCTURES. THE SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY A QUALIFIED CONTRACTOR AND ENGINEERED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND APPLICABLE STANDARDS, INCLUDING NFPA 780. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION WITH THE EXISTING SYSTEM, VERIFICATION OF COMPATIBILITY, AND PROVIDING A FULLY INTEGRATED AND CODE-COMPLIANT INSTALLATION, INCLUDING ALL REQUIRED CONNECTIONS, BONDING, GROUNDING, AND TESTING.

1 E2003 ELECTRICAL OVERALL GROUDING PLAN

SCALE: 1/16" = 1'-0"

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Jacqueline Elkov. 50120

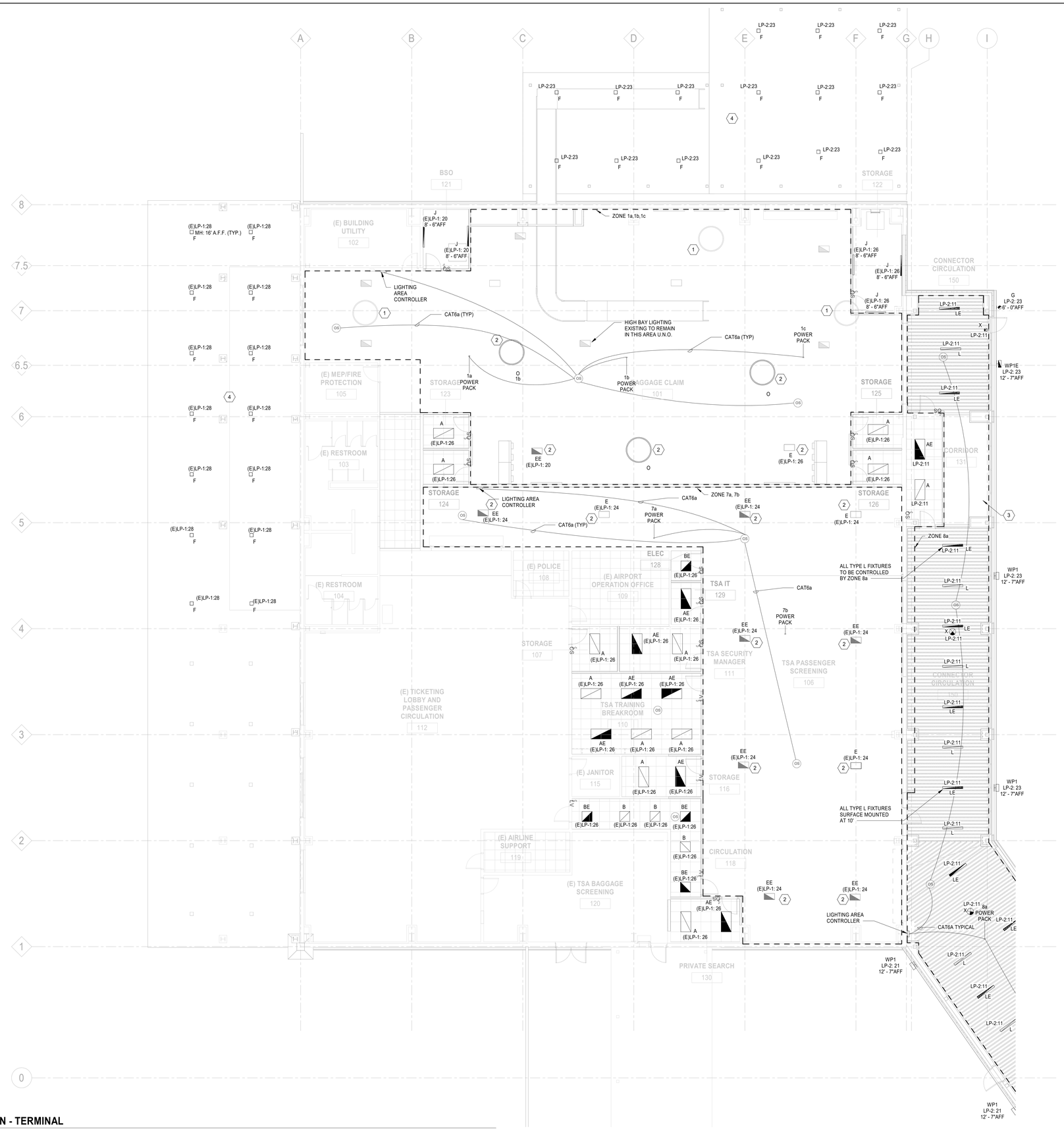
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ELECTRICAL OVERALL GROUNDING PLAN

PROJECT #: 6900

SHEET NUMBER
E2003

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1 E2101 **LIGHTING PLAN - TERMINAL**

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

GENERAL NOTES

1. MAINTAIN EXISTING LIGHTING CONTROL SYSTEMS SERVING EXISTING AREAS UNLESS OTHERWISE NOTED. COORDINATE ALL WORK TO ENSURE EXISTING LIGHTING CONTROLS REMAIN FULLY OPERATIONAL.
2. ALL LIGHTING CONTROLS IN CEILING SHALL BE PENDANT MOUNTED TO BOTTOM OF TRUSS. VERIFY ELEVATION WITH LIGHTING VENDOR AND VERIFY ADEQUATE COVERAGE WITH MANUFACTURERS INSTRUCTIONS.

KEYED NOTES (#)

1. EXISTING FIXTURE TO REMAIN.
2. EXISTING FIXTURE RELOCATED TO POSITION SHOWN. MAINTAIN EXISTING CIRCUIT AND CONTROLS, EXTEND AS NECESSARY.
3. VENDOR TO PROVIDE GATE ACCESS DOOR. LIGHTING PROVIDED BY VENDOR.
4. CONTRACTOR TO PROVIDE NEW PHOTOSENSOR FOR CANOPY LIGHTING. SENSOR TO BE MOUNTED ON TOP OF CANOPY FACING SKY, WEST.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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Jacksonville, FL License: 50120

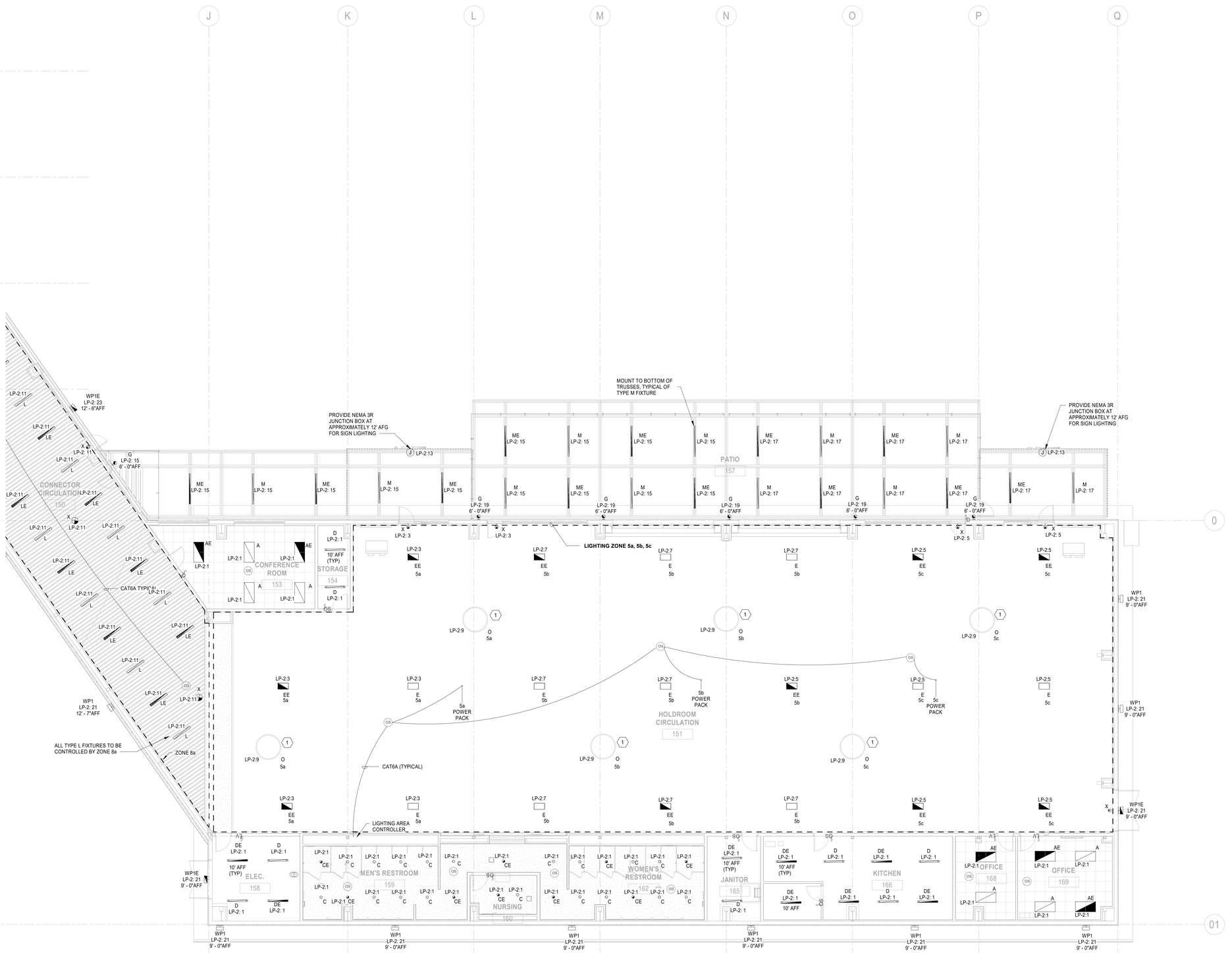
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LIGHTING PLAN - TERMINAL

PROJECT #: 6900

SHEET NUMBER
E2101

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1 LIGHTING PLAN - HOLDROOM

1 / E2102

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

GENERAL NOTES

1. ALL LIGHTING CONTROLS IN CEILING SHALL BE PENDANT MOUNTED TO BOTTOM OF TRUSS. VERIFY ELEVATION WITH LIGHTING VENDOR AND VERIFY ADEQUATE COVERAGE WITH MANUFACTURERS INSTRUCTIONS.
2. CONFIRM FINAL LIGHTING CONTROLLER AND FAN CONTROLLER LOCATIONS WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

KEYED NOTES (#)

1. EXISTING TYPE "O" FIXTURE FROM EXISTING TERMINAL TO BE RELOCATED TO POSITION SHOWN.

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James Nicholas Pittman 50120

DRAWING TITLE
LIGHTING PLAN - HOLDROOM

PROJECT #: 6900

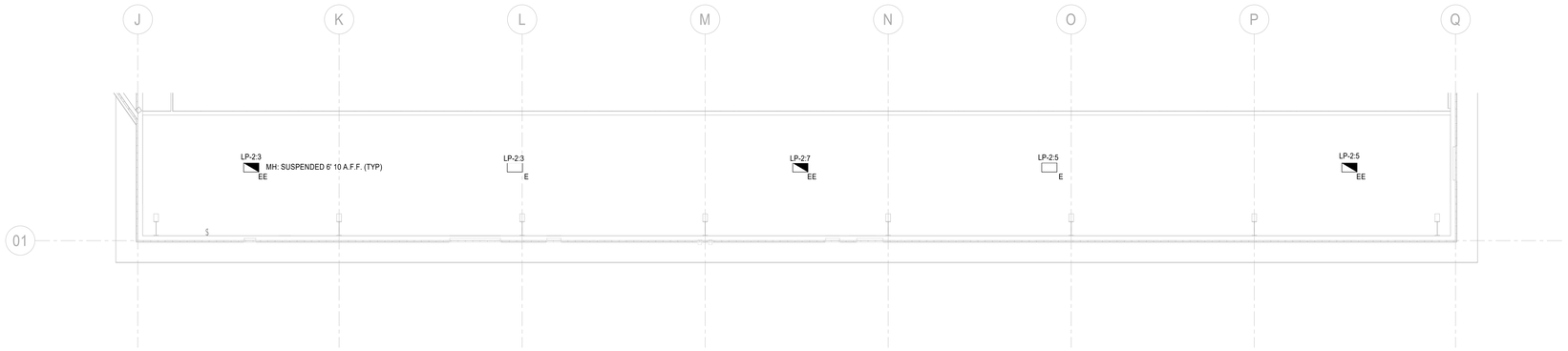
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E2102

PLAN NORTH
TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

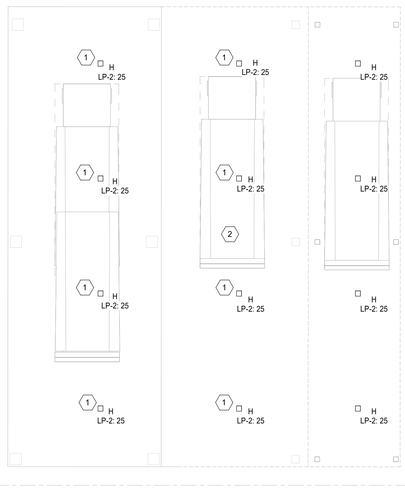
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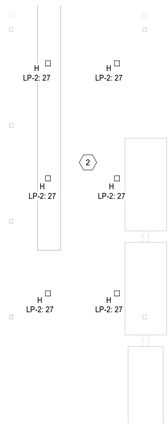
1 / E2103 LIGHTING PLAN - MECHANICAL PLATFORM

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



2 / E2103 ARFF CANOPY - LIGHTING PLAN

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



3 / E2103 EXTENDED CANOPY - LIGHTING PLAN

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

KEYED NOTES

1. EXISTING FIXTURE 'H' RELOCATED FROM PREVIOUS ARFF CANOPY. MOUNT ON UNDERSIDE OF CANOPY.
2. CONTRACTOR TO PROVIDE NEW PHOTOSENSOR FOR CANOPY LIGHTING. SENSOR TO BE MOUNTED ON TOP OF CANOPY FACING SKY, WEST.

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1155 COMMERCE DR, GULF SHORES, AL 36542

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James N Atkins No. 50120

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ENLARGED LIGHTING PLANS

PROJECT #: 6900

SHEET NUMBER
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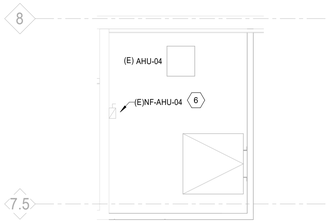
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TRUE NORTH

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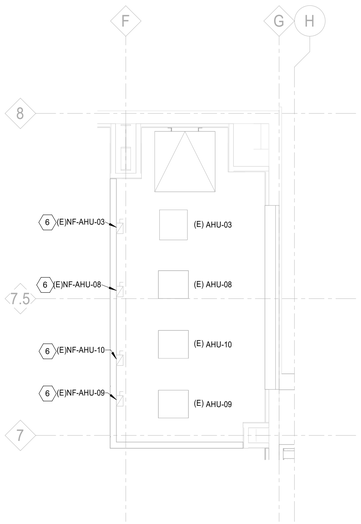
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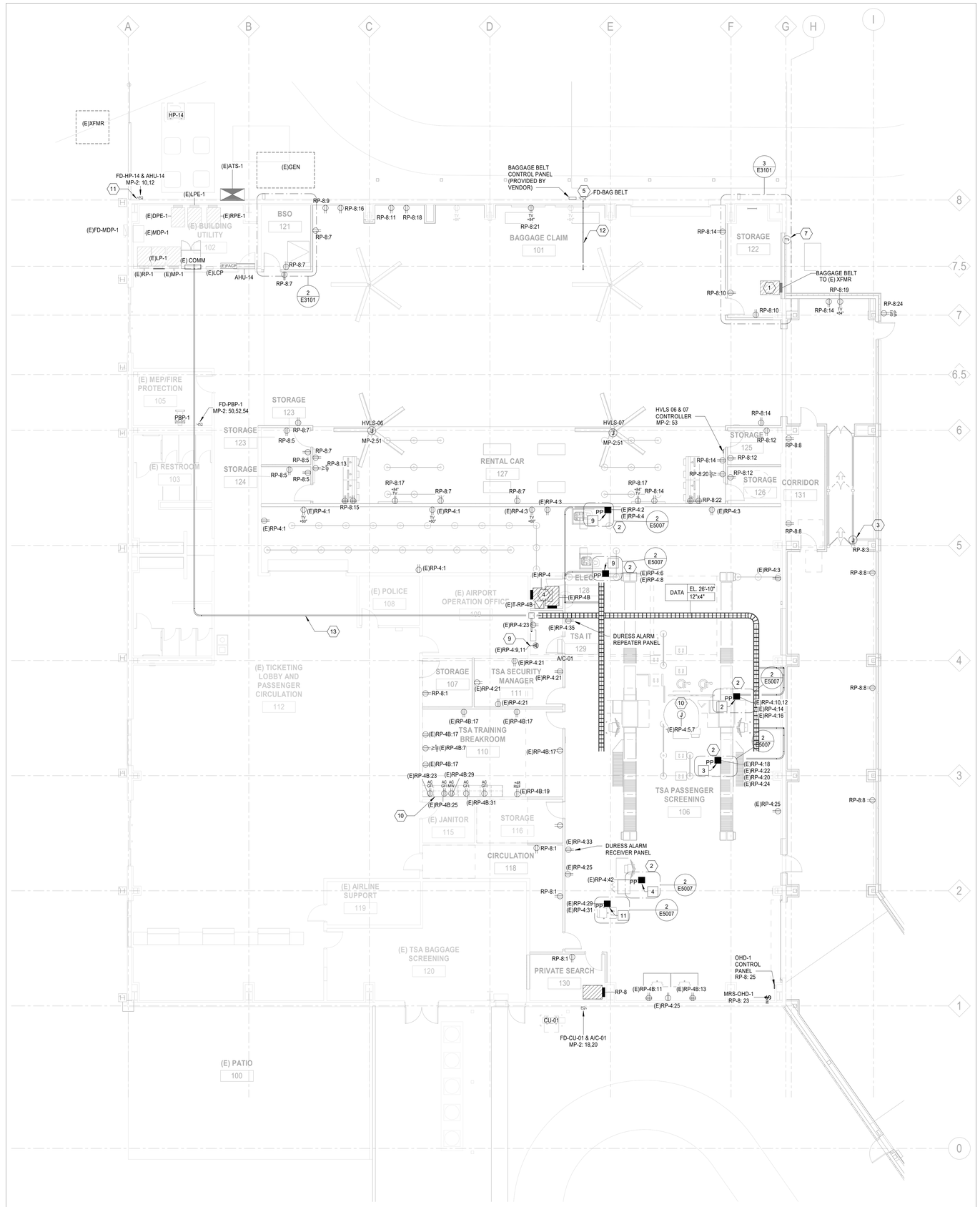
2 / E3101 BSO 121 - MEZZANINE LEVEL

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



3 / E3101 STORAGE 122 - MEZZANINE LEVEL

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



1 / E3101 POWER PLAN - TERMINAL

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

GENERAL NOTES

1. SQUARE NOTES ' ' REFER TO SHEET E5007

   DETAIL 2 SHEET FOR POWER POLE CONFIGURATIONS.

2. COORDINATE WITH EQUIPMENT SPECIFICATION, PER TSA REQUIREMENTS, FOR ALL BREAKER AND CONDUCTOR SIZING. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL POWER/DATA REQUIRED TO FULLY OPERATE TSA EQUIPMENT.

KEYED NOTES

1. PROVIDE [100A/4W] FROM EXISTING TRANSFORMER TO POWER BAGGAGE CONVEYOR BELT SERVICE PANEL.
2. EXISTING AND REFURBISHED POWER POLE.
3. PROVIDE POWER CONNECTION TO EXIT LANE BREACH CONTROL AS REQUIRED. COORDINATE WITH VENDOR.
4. EXISTING 'RP-4', 'T-RP-4B', AND 'RP-4B' PANELS TO BE RELOCATED FROM PREVIOUS LOCATION TO ELEC 107. CIRCUITS ARE TO REMAIN.
5. DISCONNECT FOR INBOUND BAGGAGE BELT. CONTRACTOR TO VERIFY MOCP, WIRE SIZE, BREAKER SIZE. DISCONNECT SIZE, AND CONTROLS WITH VENDOR.
6. EXISTING AHU DISCONNECT TO BE REUSED, PROVIDE NEW CIRCUIT TO "MP-1" (TYP OF ALL REUSED MECH UNITS ABOVE MEZZANINE).
7. EXISTING WATER CABINET CIRCUIT SHALL BE MOVED TO NEW LOCATION. RECIRCUIT TO (E) RP-1:32, 34.
8. PROVIDE L6-20R RECEPTACLE FOR AIT XRAY.
9. RECEPTACLE FOR RELOCATED TSA IT CABINET. 30A L6-30R.
10. ABOVE COUNTER RECEPTACLES ALONG THIS WALL SHALL BE COORDINATED WITH MILL WORK AND ADJUSTED TO FIT ARCHITECTURAL PLAN ELEVATIONS IN THE FIELD.
11. MOUNT ABOVE EXISTING DISCONNECTS IN AREA.
12. PROVIDE (2)2" CONDUIT TO BAGGAGE BELT FOR POWER AND COMM. SAW CUTTING INTO CONCRETE SLAB REQUIRED.
13. 2"C FROM ELECTRICAL ROOM 102 TO TSA IT CABINET.

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License Number 50120

DRAWING TITLE
POWER PLAN - TERMINAL

PROJECT #: 6900

SHEET NUMBER
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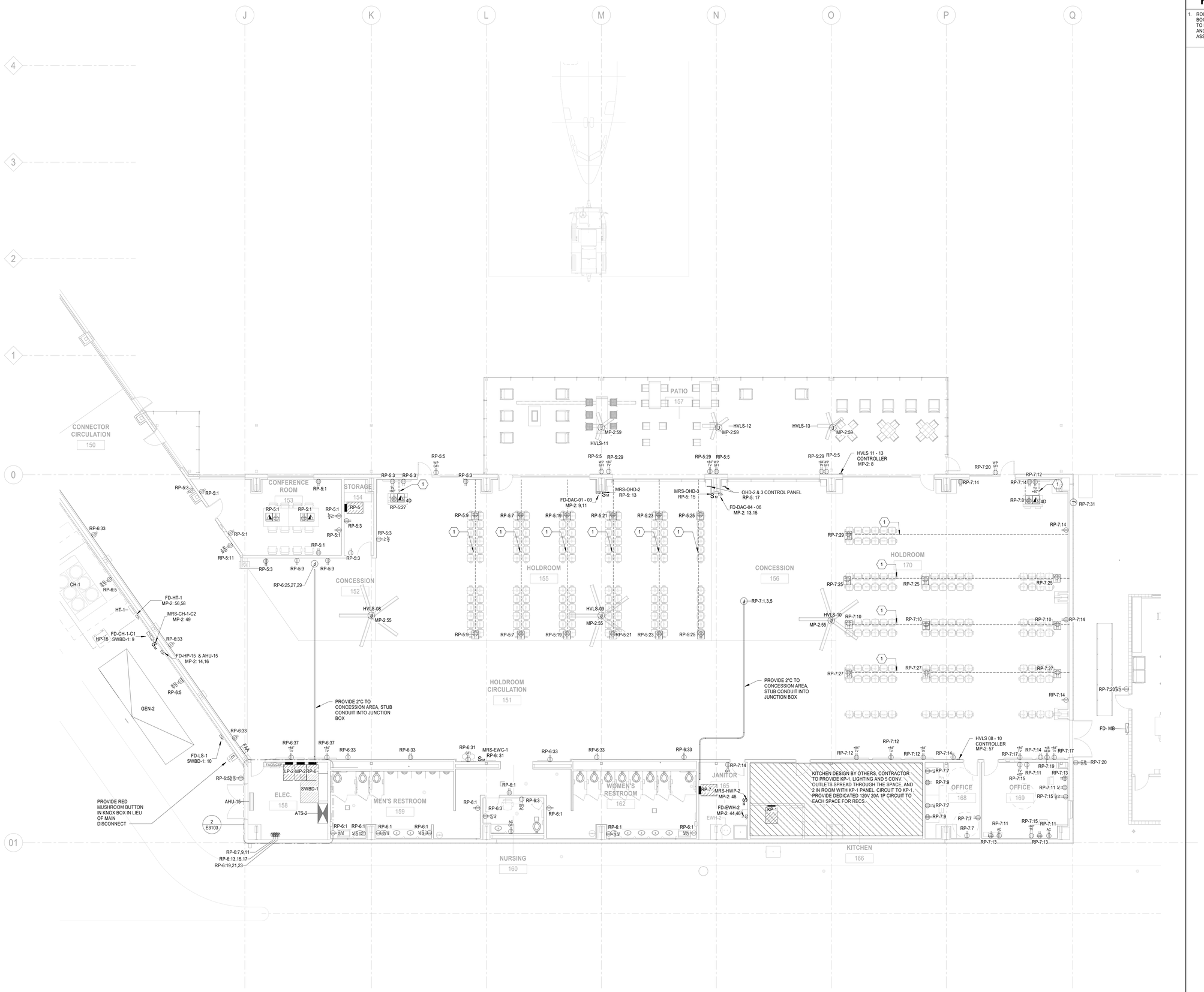
PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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KEYED NOTES

1. ROUTE (1"C) CONDUIT UNDER SLAB TO ALL FLOOR BOXES FROM EXTERIOR WALL AS SHOWN. CONDUIT TO BE ROUTED UP EXTERIOR WALL INTO CEILING AND TERMINATE IN J-BOX, THEN HOME RUN BACK TO ASSOCIATED PANEL.

1 E3102 POWER PLAN - HOLDROOM

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

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS CARTER
Jurisdiction ENo.: 50120

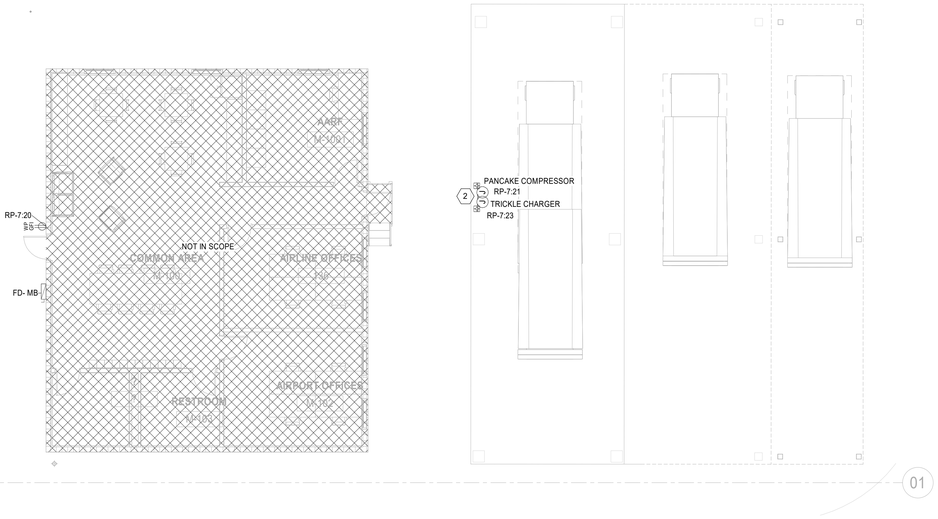
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POWER PLAN - HOLDROOM

PROJECT #: 6900

SHEET NUMBER
E3102

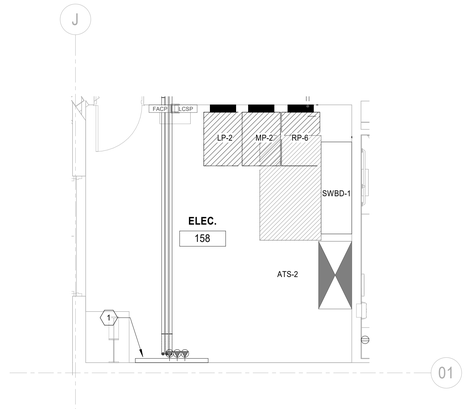
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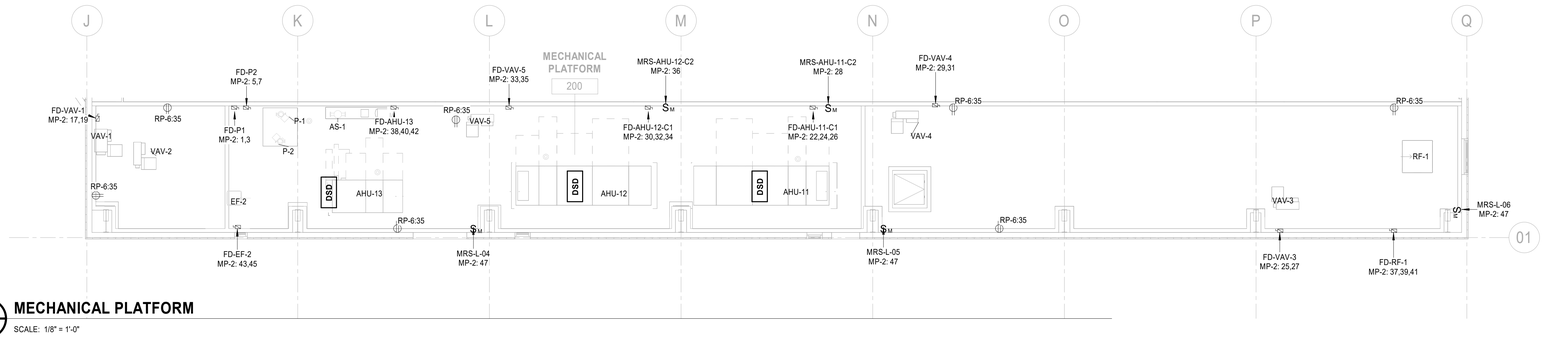
1 E3103 MODULAR AND ARFF CANOPY - POWER PLAN

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



2 E3103 ENLARGED ELECTRICAL ROOM

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



3 E3103 MECHANICAL PLATFORM

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

KEYED NOTES

1. REFER TO DETAIL 3 SHEET E5002.
2. CONTRACTOR TO PROVIDE 1"C AND 3-#10, 1-#10 GND TO PANCAKE COMPRESSOR AND TRICKLE CHARGER. CONDUIT TO BE ROUTED UNDERGROUND OVER TO EQUIPMENT LOCATED BY OWNER. PROVIDE 75' FROM RACK TO EQUIPMENT IN BASE BID PRICE FOR EACH EQUIPMENT.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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Jacksonville, Florida License No. 50120

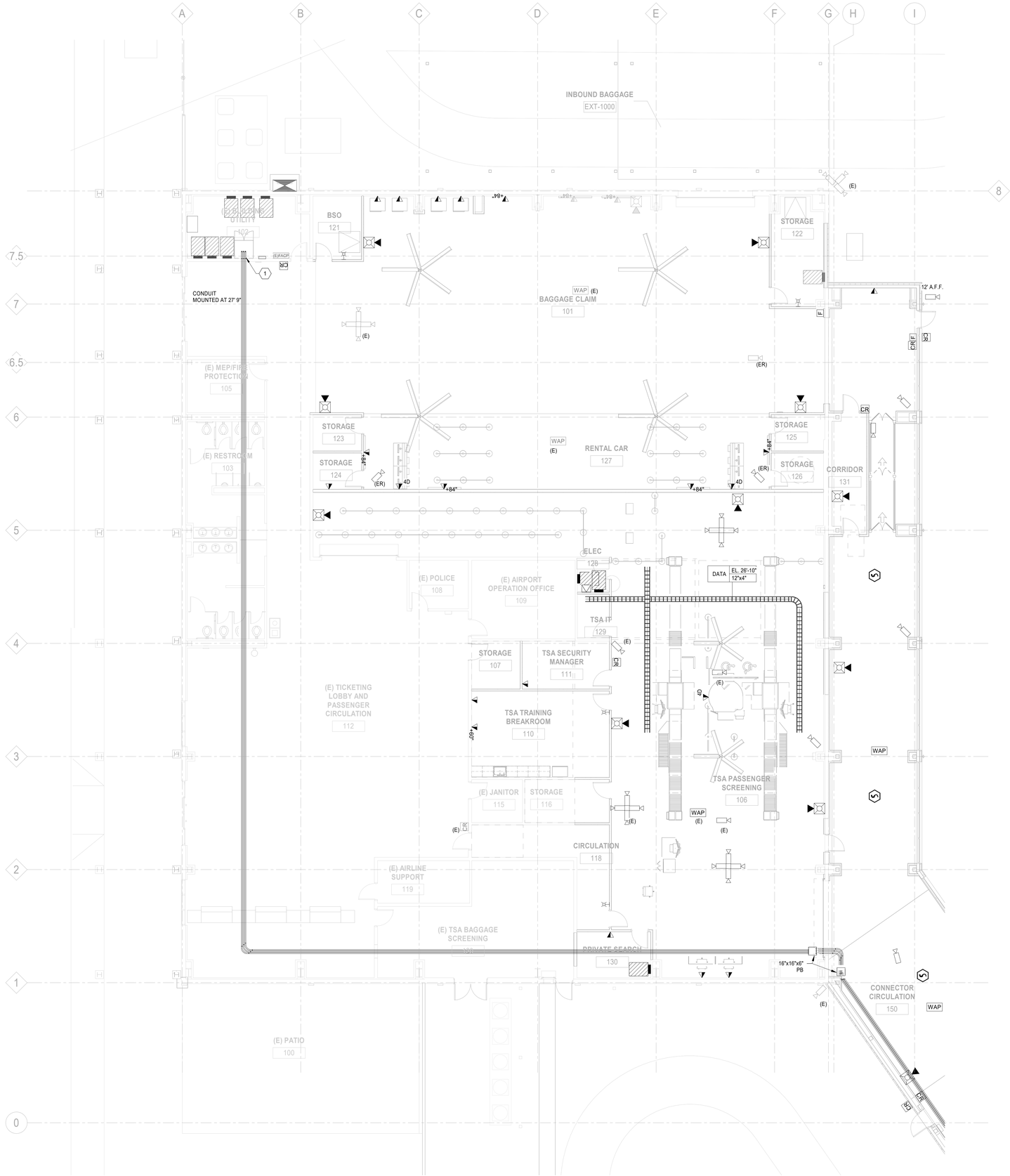
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ENLARGED POWER PLANS

PROJECT #: 6900

SHEET NUMBER
E3103

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SYSTEMS PLAN - TERMINAL

1 / E4101

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

GENERAL NOTES:

1. EXISTING TSA IT EQUIPMENT SHALL BE RELOCATED TO TSA IT ROOM 129. PROVIDE (1) 2" FROM FIBER BOX IN ELECTRICAL ROOM 102 TO TSA IT RACK.
2. EXISTING SWITCH IN ROOM 109 SHALL REMAIN AND ALL WIRELESS ACCESS POINTS SHALL REMAIN CONNECTED TO THAT PORT SWITCH. EXISTING RACK IN ROOM 109 OR OTHER IT EQUIPMENT SHALL BE MOVED TO ELECTRICAL ROOM 102.
3. PROVIDE ALL COMMUNICATION DEVICES WITH 1"C FROM DEVICE BACK TO NEAREST MDF/IDF. THIS INCLUDES WAP's, SPEAKERS, REQUEST TO EXITS, CARD READERS, DOOR CONTACTS, AND DATA DROPS.
4. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT, MARKED RED.
5. PROVIDE ALL CAMERAS WITH 4-SQ BACKBOX AT DEVICE WITH 3/4"C PENETRATING OUT TO NEAREST IDF. ALL DEVICES TO BE PROVIDED WITH 10' CAT6A SLACK.
6. ACCESS CONTROL TO BE INTEGRATED INTO GSIA'S EXISTING ACCESS CONTROL PLATFORM AS AN EXTENSION OF THE EXISTING SYSTEM.
7. CABLING IN FIELD WILL BE LOW VOLTAGE BACK TO CONTROLLERS.
8. MAGLOCKS, AND ELECTRONIC LOCKING HARDWARE, DPS, REX SHALL BE PROVIDED BY SECURITY CONTRACTOR AND INSTALLED IN COORDINATION WITH CONTRACTORS.

KEYED NOTES

1. PROVIDE THREE (3) 2-INCH CONDUITS BETWEEN ELECTRICAL ROOM 102 AND ELECTRICAL ROOM 158 TO ACCOMMODATE NETWORK BACKBONE CONNECTIONS. ROUTE CONDUITS AS REQUIRED TO AVOID CONFLICTS WITH LIGHTING SYSTEMS, PIPING, DUCTWORK, AND OTHER EQUIPMENT. COORDINATE EXACT ROUTING WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO INSTALLATION.

PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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B	DESIGN DEVELOPMENT	02/27/2026
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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS CATHEY No. 50120

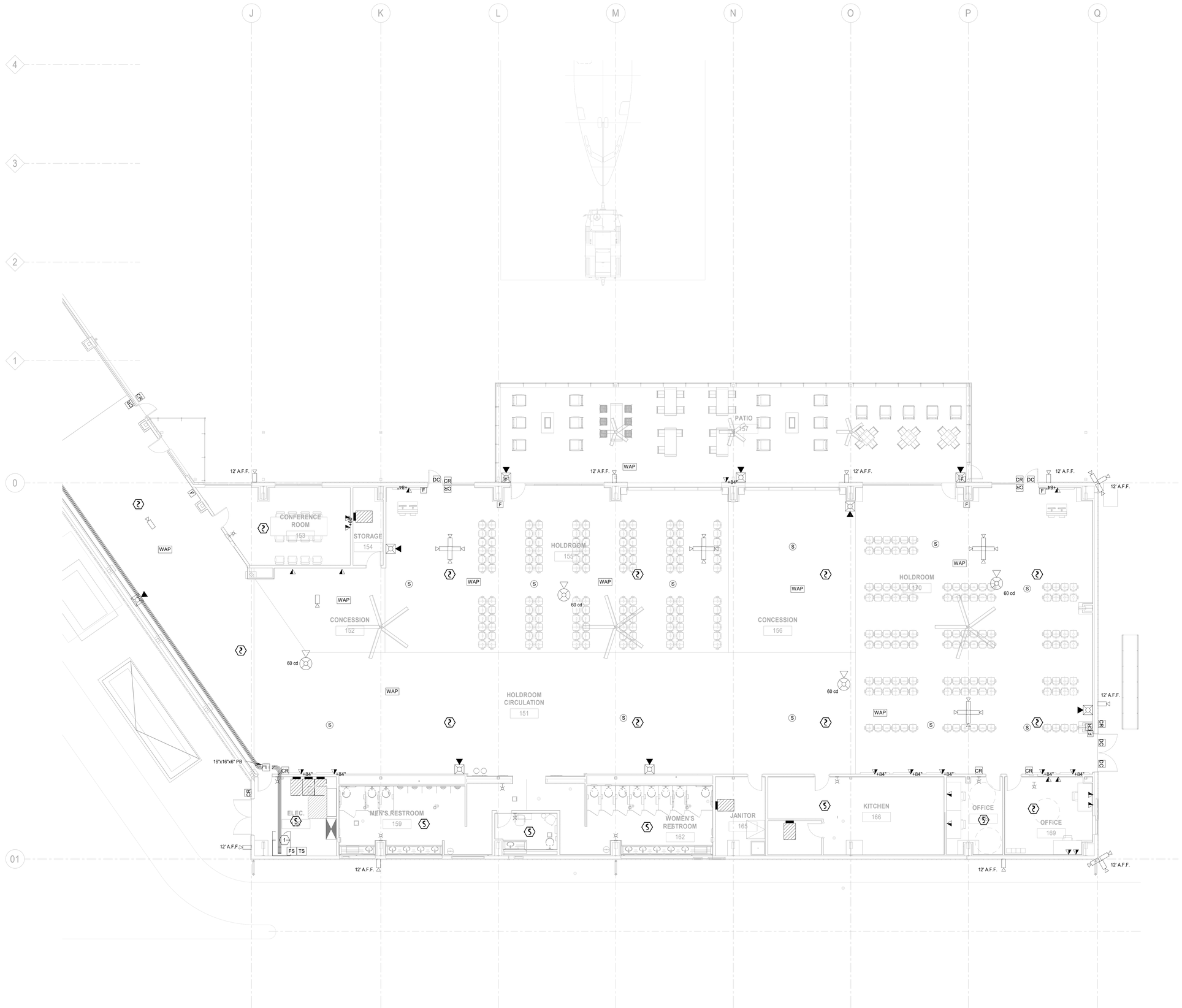
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SYSTEMS PLAN - TERMINAL

PROJECT #: 6900

SHEET NUMBER
E4101

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1 E4102 **SYSTEMS PLAN - HOLDROOM**

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

GENERAL NOTES

1. PROVIDE ALL COMMUNICATION DEVICES WITH 1"C FROM DEVICE BACK TO NEAREST MDF/IDF. THIS INCLUDES WAP's, SPEAKERS, REQUEST TO EXITS, CARD READERS, DOOR CONTACTS, AND DATA DROPS.
2. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT, MARKED RED.
3. PROVIDE ALL CAMERAS WITH 4-SQ BACKBOX AT DEVICE WITH 3/4"C PENETRATING OUT TO NEAREST IDF. ALL DEVICES TO BE PROVIDED WITH 10' CAT6A SLACK.
4. PROVIDE 1"C HOMERUN FROM EACH BACK DOOR TO ACCP IN RM 158.
5. ACCESS CONTROL TO BE INTEGRATED INTO GSIA'S EXISTING ACCESS CONTROL PLATFORM AS AN EXTENSION OF THE EXISTING SYSTEM.
6. CABLING IN FIELD WILL BE LOW VOLTAGE BACK TO CONTROLLERS.
7. MAGLOCKS, AND ELECTRONIC LOCKING HARDWARE, DPS, REX SHALL BE PROVIDED BY SECURITY CONTRACTOR AND INSTALLED IN COORDINATION WITH CONTRACTORS.
8. MAGLOCKS TO BE TIED INTO FIRE ALARM SYSTEM TO BE RELEASE DOOR CONTACTS DURING A FIRE ALARM EVENT.

KEYED NOTES (#)

1. PROVIDE POWER TO IT RACKS AND MAKE BACKBONE CONNECTION TO EQUIPMENT IN ELECTRICAL ROOM 102. CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS AND COORDINATE FINAL RACK LOCATIONS, CLEARANCES, AND CONDUIT ROUTING WITH IT, ELECTRICAL, AND MECHANICAL TRADES PRIOR TO INSTALLATION.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
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1	CONSTRUCTION DOCUMENTS	05/01/2026

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James Patton No. 50120

DRAWING TITLE
SYSTEMS PLAN - HOLDROOM

PROJECT #: 6900

SHEET NUMBER
E4102

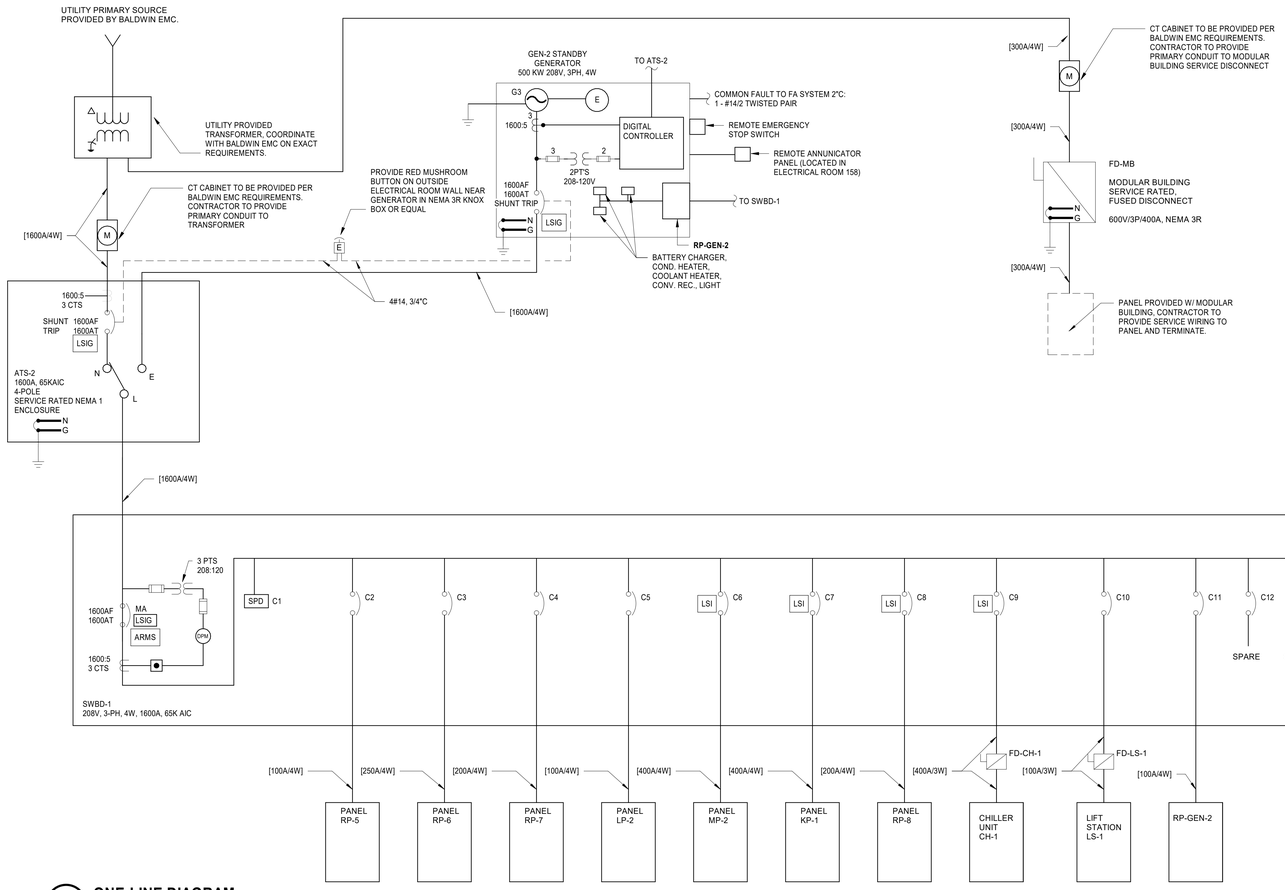
PLAN NORTH

TRUE NORTH

SCALE: 0' 2' 4' 8' 16'

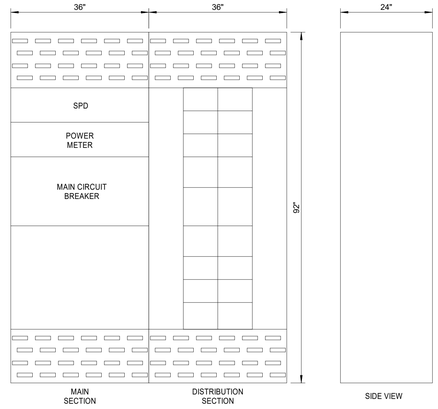
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1 E5001 ONE-LINE DIAGRAM

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3 E5001 SWBD-1 ELEVATION

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WIRE AND CONDUIT SIZES

NOTATION: [20A/2W/VD1]
- NO. OF STANDARD WIRE SIZES INCREASED FOR VOLTAGE DROP (WHERE APPLICABLE)
- CIRCUIT TYPE (NO. OF PHASE + NEUTRAL WIRES)
- CIRCUIT AMP RATING

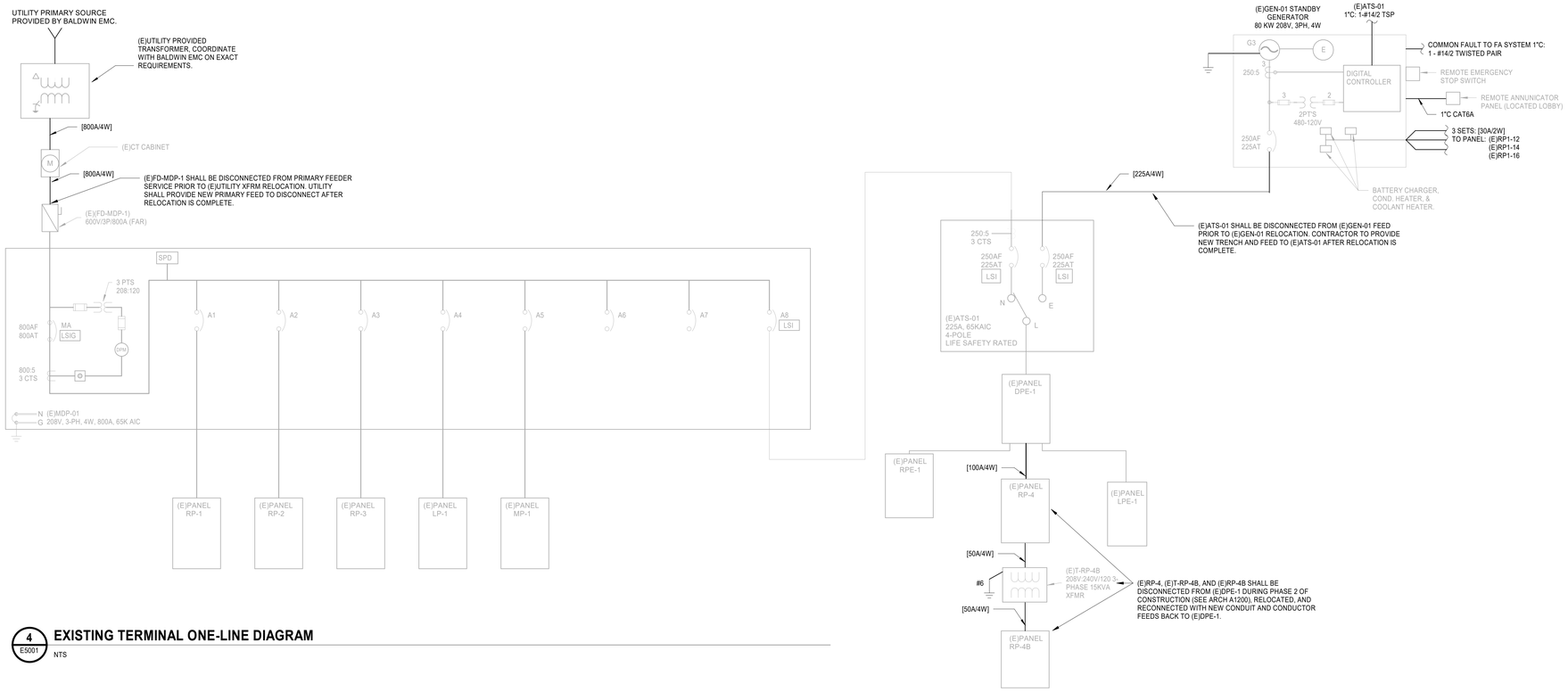
WIRE & CONDUIT SIZE ID	CIRCUIT TYPE	PARALLEL SETS	CONDUIT SIZE	OCPD SIZE	PHASE (& NEUTRAL WHERE APPLICABLE) WIRE SIZE	GROUND WIRE SIZE (PER CONDUIT)
[20A/2W]	2-WIRE	1	3/4"	20A	#12	#12
[20A/3W]	3-WIRE	1	3/4"			
[20A/4W]	4-WIRE	1	3/4"			
[30A/2W]	2-WIRE	1	3/4"	30A	#10	#10
[30A/3W]	3-WIRE	1	3/4"			
[30A/4W]	4-WIRE	1	3/4"			
[40A/2W]	2-WIRE	1	3/4"	40A	#8	#10
[40A/3W]	3-WIRE	1	3/4"			
[40A/4W]	4-WIRE	1	1"			
[50A/2W]	2-WIRE	1	1"	50A	#6	#10
[50A/3W]	3-WIRE	1	1"			
[50A/4W]	4-WIRE	1	1"			
[60A/2W]	2-WIRE	1	1"	60A	#6	#10
[60A/3W]	3-WIRE	1	1"			
[60A/4W]	4-WIRE	1	1"			
[70A/2W]	2-WIRE	1	1"	70A	#4	#8
[70A/3W]	3-WIRE	1	1-1/4"			
[70A/4W]	4-WIRE	1	1-1/4"			
[80A/2W]	2-WIRE	1	1"	80A	#3	#8
[80A/3W]	3-WIRE	1	1-1/4"			
[80A/4W]	4-WIRE	1	1-1/4"			
[100A/2W]	2-WIRE	1	1-1/4"	100A	#2	#8
[100A/3W]	3-WIRE	1	1-1/4"			
[100A/4W]	4-WIRE	1	1-1/4"			
[125A/2W]	2-WIRE	1	1-1/4"	125A	#1	#6
[125A/3W]	3-WIRE	1	1-1/2"			
[125A/4W]	4-WIRE	1	2"			
[150A/2W]	2-WIRE	1	1-1/4"	150A	#1/0	#6
[150A/3W]	3-WIRE	1	1-1/2"			
[150A/4W]	4-WIRE	1	2"			
[175A/2W]	2-WIRE	1	1-1/2"	175A	#2/0	#6
[175A/3W]	3-WIRE	1	2"			
[175A/4W]	4-WIRE	1	2"			
[200A/2W]	2-WIRE	1	1-1/2"	200A	#3/0	#6
[200A/3W]	3-WIRE	1	2"			
[200A/4W]	4-WIRE	1	2-1/2"			
[225A/2W]	2-WIRE	1	2"	225A	#4/0	#4
[225A/3W]	3-WIRE	1	2"			
[225A/4W]	4-WIRE	1	2-1/2"			
[250A/2W]	2-WIRE	1	2"	250A	250 KCMIL	#4
[250A/3W]	3-WIRE	1	2-1/2"			
[250A/4W]	4-WIRE	1	3"			
[300A/2W]	2-WIRE	1	2"	300A	350 KCMIL	#4
[300A/3W]	3-WIRE	1	3"			
[300A/4W]	4-WIRE	1	3"			
[400A/3W]	3-WIRE	2	2"	400A	#3/0	#3
[400A/4W]	4-WIRE	2	2-1/2"			
[500A/3W]	3-WIRE	2	2-1/2"	500A	250 KCMIL	#2
[500A/4W]	4-WIRE	2	3"			
[600A/3W]	3-WIRE	2	3"	600A	350 KCMIL	#1
[600A/4W]	4-WIRE	2	3"			
[700A/3W]	3-WIRE	2	3-1/2"	700A	500 KCMIL	#1
[700A/4W]	4-WIRE	2	3-1/2"			
[800A/3W]	3-WIRE	3	3-1/2"	800A	300 KCMIL	#1/0
[800A/4W]	4-WIRE	3	3-1/2"			
[1000A/3W]	3-WIRE	3	3"	1000A	400 KCMIL	#2/0
[1000A/4W]	4-WIRE	3	3"			
[1200A/3W]	3-WIRE	4	3"	1200A	350 KCMIL	#3/0
[1200A/4W]	4-WIRE	4	3"			
[1600A/3W]	3-WIRE	4	3-1/2"	1600A	600 KCMIL	#4/0
[1600A/4W]	4-WIRE	4	4"			

SIZES UPSIZED FOR VOLTAGE DROP

WIRE & CONDUIT SIZE ID	CIRCUIT TYPE	PARALLEL SETS	CONDUIT SIZE	OCPD SIZE	PHASE (& NEUTRAL WHERE APPLICABLE) WIRE SIZE	GROUND WIRE SIZE (PER CONDUIT)
[20A/2W/VD1]	2-WIRE	1	3/4"	20A	#10	#10
[20A/3W/VD1]	3-WIRE	1	3/4"			
[20A/2W/VD2]	2-WIRE	1	3/4"	20A	#8	#8
[20A/3W/VD2]	3-WIRE	1	3/4"			
[30A/2W/VD1]	2-WIRE	1	3/4"	30A	#8	#8
[30A/3W/VD1]	3-WIRE	1	3/4"			
[30A/2W/VD2]	2-WIRE	1	3/4"	30A	#6	#6
[30A/3W/VD2]	3-WIRE	1	1"			
[1200A/3W/VD1]	3-WIRE	4	4"	1200A	500 KCMIL	#3/0

NOTES:

1. ALL CONDUCTORS ROUTED IN CABLE TRAY SHALL BE TYPE TC-ER. WHEN TRANSITIONING INTO CONDUIT, THE CONDUIT SHALL BE UPSIZED FROM TABLE SHOWN TO ACCOMMODATE GREATER OUTER DIAMETER OF CONDUCTORS.
2. VFD CONDUCTORS SHALL BE VFD RATED CABLES FEEDING LOADS. CONDUIT TO BE UPSIZED BASED ON GREATER OUTER DIAMETER OF CONDUCTORS.



4 E5001 EXISTING TERMINAL ONE-LINE DIAGRAM

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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ALABAMA LICENSED
JAMES NICHOLAS JACKSON
No. 50120
PROFESSIONAL ENGINEER

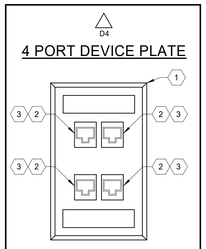
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ELECTRICAL ONE-LINE DIAGRAM

PROJECT #: 6900

SHEET NUMBER
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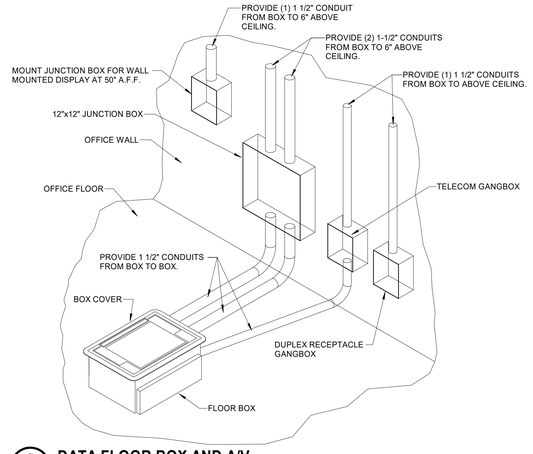
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ITEM	QTY	DESCRIPTION
1	1	4 PORT SINGLE GANG FACEPLATE
2	4	CAT6a RJ-45 JACK
3	4	CAT6a CABLE, UTP PLENUM
4	0	BLANK INSERT

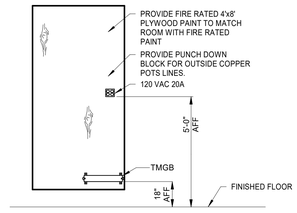
1 E5002 DATA FACEPLATE D4

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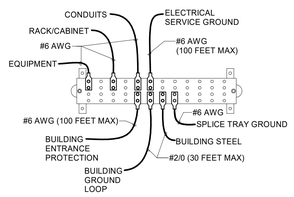


2 E5002 DATA FLOOR BOX AND A/V

NTS



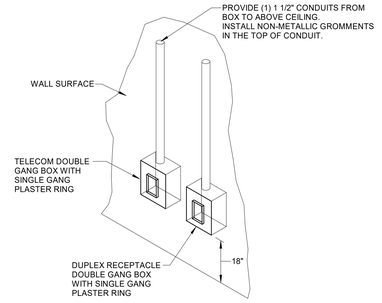
TYPICALTMGB MOUNTING



TYPICAL TMGB CONNECTIONS

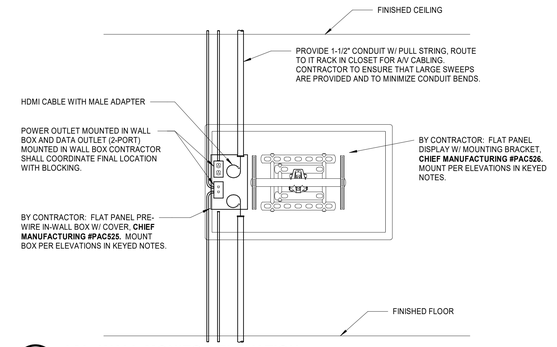
3 E5002 DATA TMGB MOUNTING AND CONNECTIONS

NTS



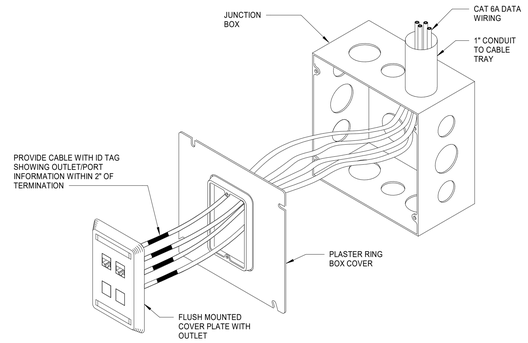
4 E5002 DATA DROP ROUGH-IN

NTS



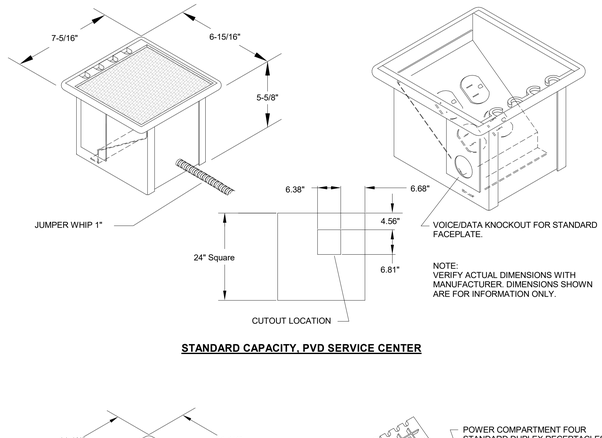
5 E5002 A/V - WALL MONITOR ELEVATION

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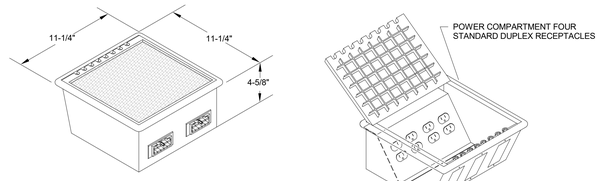


6 E5002 DATA/COMMUNICATIONS WIRING

NTS



STANDARD CAPACITY, PVD SERVICE CENTER



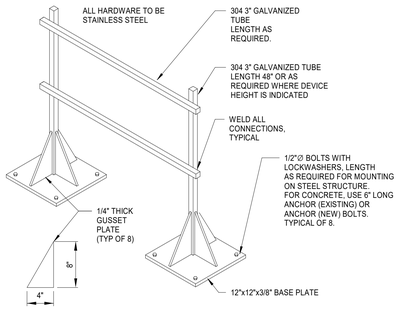
NOTES:

1. HIGH CAPACITY TO BE USED IN CONFERENCE ROOM. ALL OTHER AREAS TO USE STANDARD CAPACITY CAST IN PLACE FLOORBOX.

HIGH CAPACITY, PVD SERVICE CENTER

7 E5002 CAST IN PLACE FLOORBOX DETAIL

NTS



GENERAL NOTES:

1. ALL SCREWS, MOUNTING HARDWARE, BOLTS, CONNECTION POINTS, TUBES, BRACKETS, ETC. SHALL BE NON-CORROSIVE GALVANIZED OR PVC COATED TO PROTECT FROM CORROSIVE ENVIRONMENT.

8 E5002 UNISTRUT RACK STAINLESS STEEL

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS LEVY 50120

Jnl Engineering, LLC

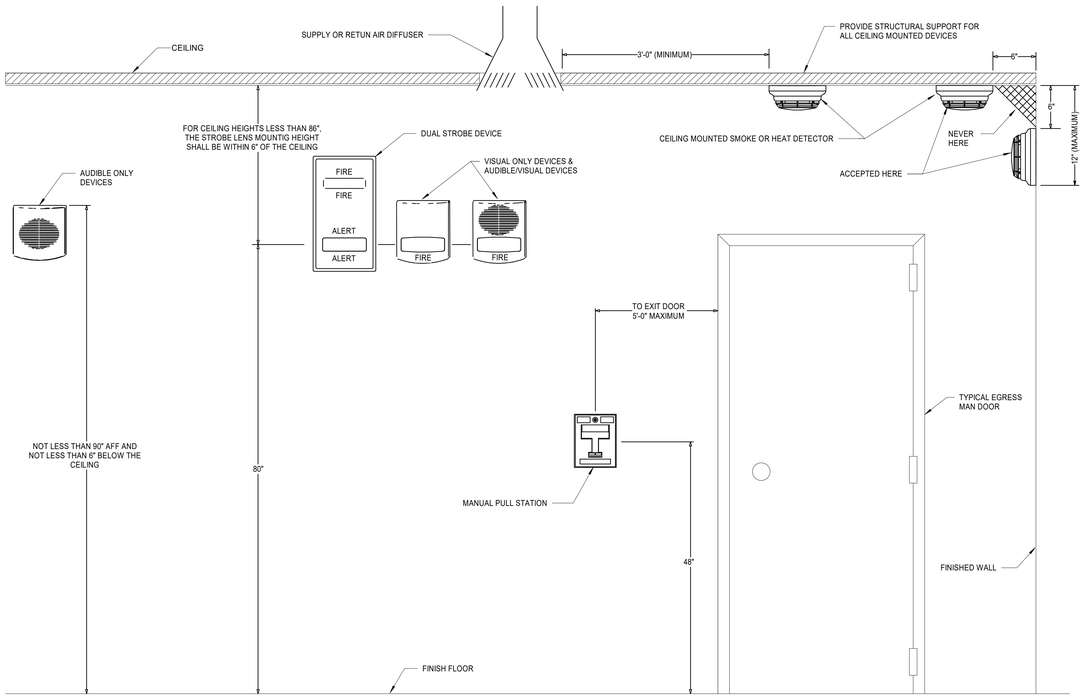
DRAWING TITLE
ELECTRICAL DETAILS

PROJECT #: 6900

SHEET NUMBER
E5002

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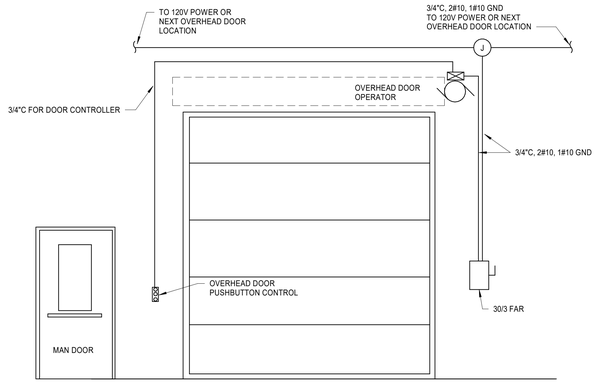
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NOTE: SURFACE MOUNTED DEVICES SHALL BE SUPPLIED WITH SURFACE MOUNT BOXES AND SKIRTS.

1 E5003 **FIRE ALARM DEVICES - TYPICAL MOUNTING HEIGHTS**

SCALE: 12" = 1'-0"

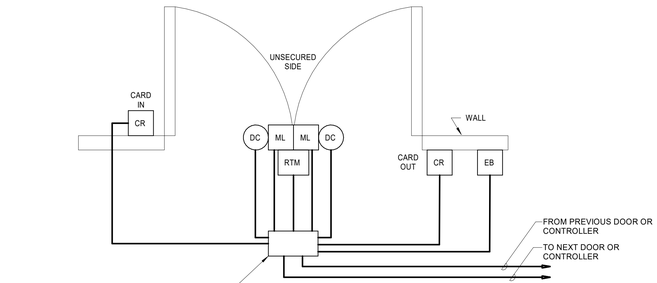


NOTES:

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

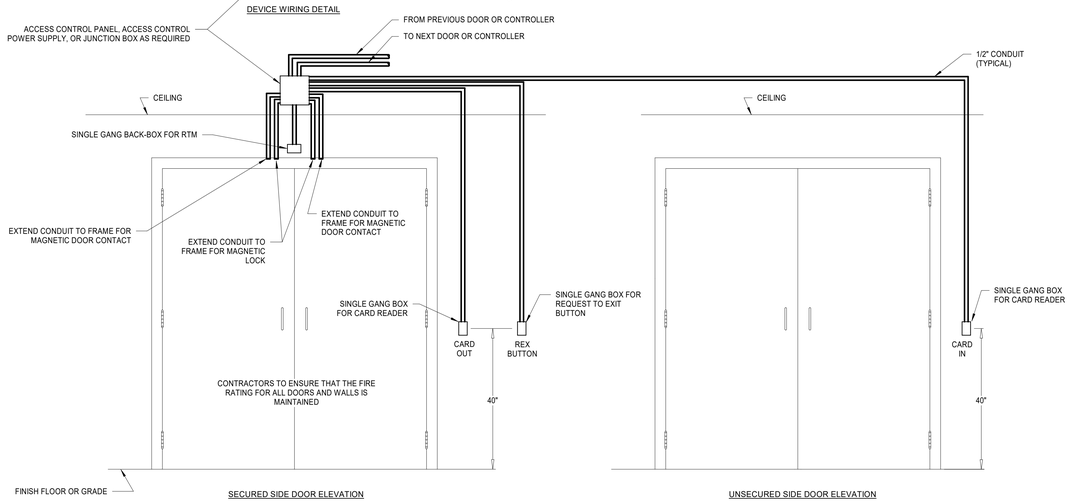
4 E5003 **DETAIL - OVERHEAD DOOR CONNECTION**

SCALE: 1" = 1'-0"



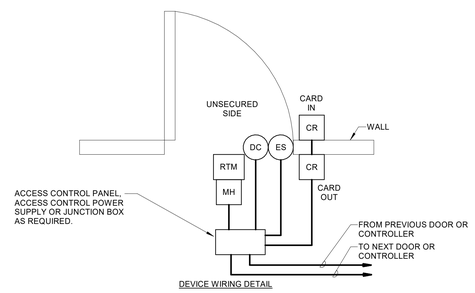
DEVICE SCHEDULE		
QTY.	SYMBOL	MATERIALS
2	CR	CARD READER
2	DC	DOOR CONTACT
1	RTM	REQUEST TO EXIT MOTION
2	ML	MAGNETIC LOCK
1	EB	REQUEST TO EXIT BUTTON
0	MH	MINI-HORN/SOUNDER

NOTE:
1. CONTRACTOR TO PROVIDE RACEWAYS ONLY, WIRING BY OTHERS.
2. COORDINATE WITH SECURITY VENDOR ON EXACT REQUIREMENTS OF RACEWAYS.



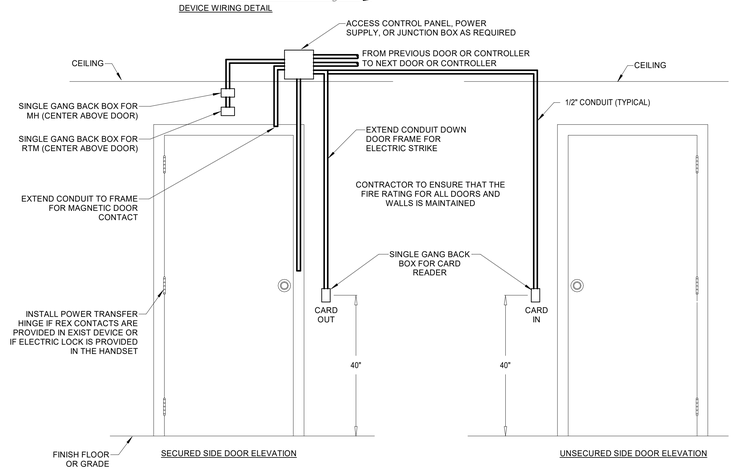
3 E5003 **SECURITY DOOR TYPE 2B**

SCALE: 12" = 1'-0"



DEVICE SCHEDULE		
QTY.	SYMBOL	MATERIALS
2	CR	CARD READER
1	DC	DOOR CONTACT
1	ES	ELECTRIC STRIKE
1	RTM	REQUEST TO EXIT MOTION
1	MH	MINI-HORN/SOUNDER

NOTE:
1. CONTRACTOR TO PROVIDE RACEWAYS ONLY, WIRING BY OTHERS.
2. COORDINATE WITH SECURITY VENDOR ON EXACT REQUIREMENTS OF RACEWAYS.



2 E5003 **SECURITY DOOR TYPE 1A**

SCALE: 12" = 1'-0"

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ELECTRICAL DETAILS

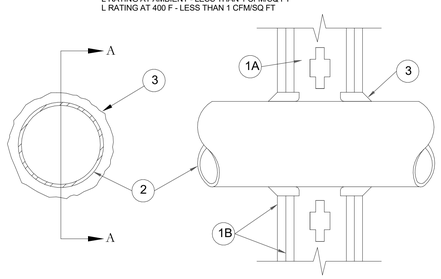
PROJECT #: 6900

SHEET NUMBER
E5003

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SYSTEM NO.W-L-1001
JUNE 15, 2005
F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3) T RATINGS - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
   B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN.
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE - NOM 24 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE - NOM 24 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   C. CONDUIT - NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
   D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING
   E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
      1. NOM 1 IN. DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC
      2. NOM 1 IN. DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. TITEFLEX CORP, A BUNDY CO
      3. NOM 1 IN. DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG INC
3. FILL,VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8. 1-1/4,1-7/8 AND 2-1/2 IN. THICKNESS OF CAULK OR SEALANT FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM BEAD OF CAULK OR SEALANT APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE.

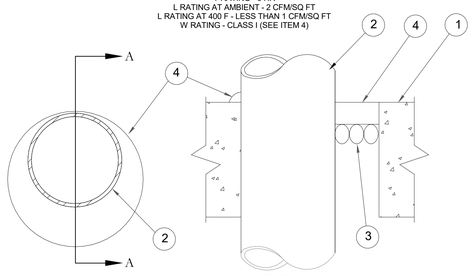
THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CON DIAM IN.	F RATING HR	T RATING HR
1	1 or 2	0+, 1 or 2
1	3 or 4	3 or 4
4	1 or 2	0
6	3 or 4	0
12	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT, *BEARING THE UL CLASSIFICATION MARKING

1 E5004 1-4 HOUR GYPSUM BOARD FIRE STOPPING DETAIL
NTS

SYSTEM NO. C-AJ-1044
JUNE 15, 2005
F RATINGS - 2, 3, AND 4 HR (SEE ITEMS 2A AND 4)
T RATING - 0 HR
L RATING AT AMBIENT - 2 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT
W RATING - CLASS I (SEE ITEM 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. EXCEPT AS NOTED IN TABLE UNDER ITEM 4, MIN THICKNESS OF SOLID CONCRETE FLOOR OR WALL ASSEMBLY IS 4-1/2 IN. FLOOR MAY ALSO BE CONSTRUCTED OF ANY MIN 6 IN. THICK UL CLASSIFIED HOLLOW CORE PRECAST CONCRETE UNITS*. WHEN FLOOR IS CONSTRUCTED OF HOLLOW CORE PRECAST CONCRETE UNITS, PACKING MATERIAL (ITEM 3) AND CAULK FILL MATERIAL (ITEM 4) TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF FLOOR, FLUSH WITH FLOOR SURFACE. WALL ASSEMBLY MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCK*, MAX DIAMETER OF OPENING IS IN SOLID LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE. FLOOR IS 32 IN. MAX DIAMETER OF OPENING IN FLOOR CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS IS 7 IN.
   SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE (OPTIONAL, NOT SHOWN) - MAX 15 IN. ID (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 2 IN. ABOVE TOP OF FLOOR OR BEYOND EITHER SURFACE OF WALL. MAX 16 IN. ID (OR SMALLER) MIN 0.028 WALL THICKNESS (OR HEAVIER) GALVANIZED STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 1/2 IN. BEYOND EITHER SURFACE OF FLOOR OR WALL.

2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. MAX ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND EDGE OF THROUGH OPENING OR SLEEVE IS DEPENDENT ON THE PARAMETERS SHOWN IN ITEM 4. MIN ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS ZERO IN. (POINT CONTACT). PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE - NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE - NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT - NOM 6 IN. DIAM (OR SMALLER) RIGID STEEL CONDUIT.
   D. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
   E. COPPER - TUBING NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE.
   F. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4).
4. FILL,VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED CAULK THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL, FLUSH WITH WALL SURFACE. AT POINT CONTACT LOCATION BETWEEN PENETRANT AND SLEEVE OR BETWEEN PENETRANT AND CONCRETE, A MIN 1/4 IN DIAM BEAD OF CAULK SHALL BE APPLIED AT TOP SURFACE OF FLOOR AND AT BOTH SURFACES OF WALL. THE HOURLY F RATINGS AND THE MIN REQUIRED CAULK THICKNESSES ARE DEPENDENT UPON A NUMBER OF PARAMETERS, AS SHOWN IN THE FOLLOWING TABLE:

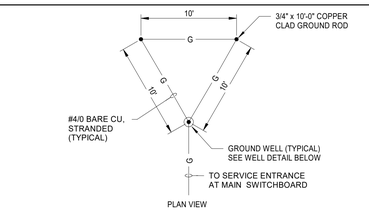
MIN FLOOR OR WALL THKNS IN.	NOM PIPE TUBE OR CONDUIT DIAM	MAX ANNULAR SPACE IN.	MIN CAULK THKNS IN.	F RATING HR
2-1/2	1/2-12	1-3/8	1/2	2
2-1/2	1/2-12	3-1/4	1	2
4-1/2	1/2-6	1-3/8	1/4 (a)	2
4-1/2	1/2-12	1-1/4	1/2	3
4-1/2	1/2-20	2	1	3
4-1/2	1/2-20	2	1	3
4-1/2	1/2-12	3-1/4	1	3
4-1/2	22-30	2	2	3
5-1/2	1/2-6	1-3/8	1 (b)	4

(A)MIN 2 IN THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE.
(B)MIN 1 IN. THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MIN 1 IN. THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH EACH SURFACE OF FLOOR OR WALL ASSEMBLY.

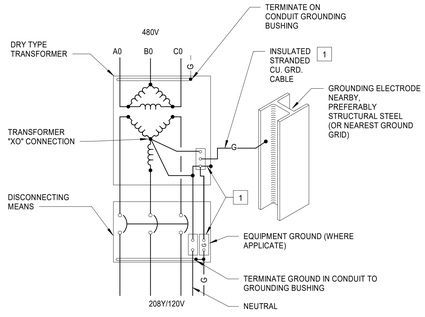
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT. (THE W RATING APPLIES ONLY WHEN FB-3000 WT SEALANT IS USED.)

*BEARING THE UL CLASSIFICATION MARKING

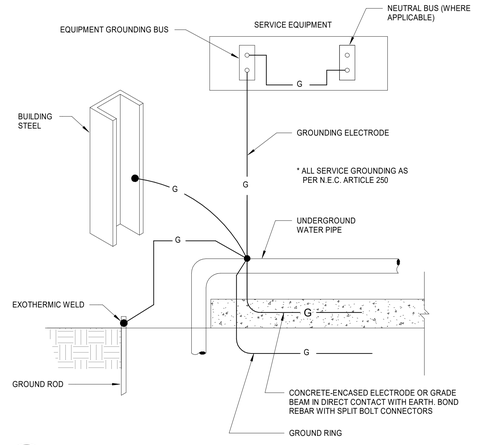
2 E5004 2-4 HOUR CONCRETE FIRE STOPPING DETAIL
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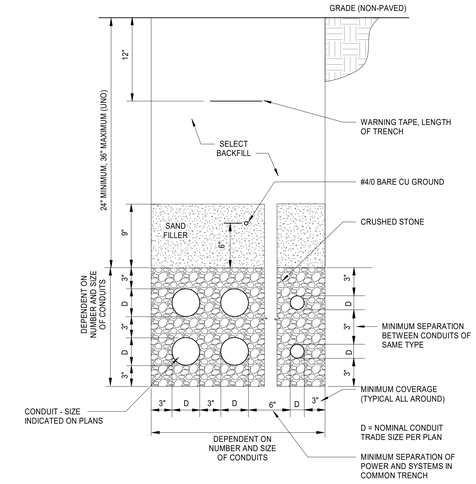
3 E5004 DETAIL - GROUNDING TRIAD
NTS



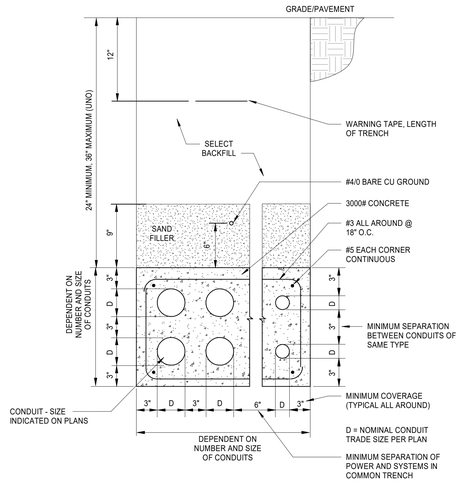
5 E5004 LOW VOLTAGE TRANSFORMER GROUNDING
NTS



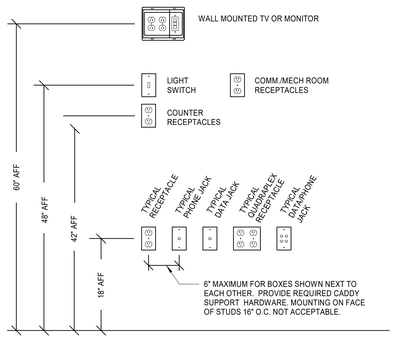
4 E5004 DETAIL - SERVICE ENTRANCE GROUNDING
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7 E5004 TYPICAL DUCT BANK GREATER THAN 3' FROM PAVEMENT
NTS

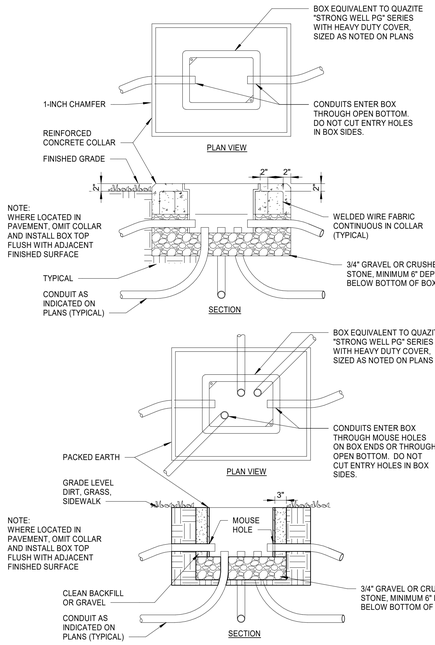


8 E5004 YPICAL DUCT BANK UNDER AND WITHIN 3' OF PAVEMENT
NTS



SPECIFIC REFERENCED HEIGHTS ON DRAWINGS TAKE PRECEDENCE OVER THIS GENERAL DETAIL

9 E5004 ELECTRICAL DEVICE MOUNTING HEIGHTS
NTS



10 E5004 ELECTRICAL HAND HOLE
NTS

GENERAL HAND HOLE NOTES:

1. NOTES ARE APPLICABLE TO ALL HAND HOLES AND CONDUIT BEING INSTALLED.
2. HAND HOLE COVER STAMPED "POWER" OR "COMMUNICATIONS" DEPENDING LOCATION AND ITS PROXIMITY.
3. HAND HOLE COVERS/BOXES SHALL BE HEAVY DUTY E/W (2) BOLTS TIER 22 RATED WHERE INSTALLED IN AREAS OF HIGH TRAFFIC.
4. HAND HOLE COVERS/BOXES SHALL BE LIGHT DUTY E/W (2) BOLTS TIER 15 RATED WHERE INSTALLED IN AREAS OF FLOW TRAFFIC AND OFF-ROADWAY APPLICATIONS.
5. HAND HOLES SHALL BE OPEN BOTTOM, RATED TIER 15 OR TIER 22, STACKABLE.
6. NO SIDE ENTRY OF CONDUITS ALLOWED.
7. HAND HOLE SUBMITTALS MUST BE APPROVED BY ENGINEER AND OWNER.
8. CONDUITS TO EXTEND 3" TO 4" MAXIMUM OUT OF GRAVEL BED.
9. IF PVC INSTALLATION IS REQUIRED, 90-DEGREE 36" RADIUS ELBOWS ARE REQUIRED TO TURN UP INTO HAND HOLE.
10. THERE SHALL BE A MINIMUM OF 6" OF GRAVEL BETWEEN HAND HOLE BOTTOM EDGE AND THE CONDUITS EXTENDING OUT 3" FROM ALL SIDES.
11. INSTALL BUSHING ENDS ON PVC CONDUIT ENDS.
12. CLOSE ATTENTION SHOULD BE GIVEN TO TRENCH DEPTH IN USING LONG MECHANICAL RADIUS BENDS TO ASSURE THAT NO PORTION OF THE RADIUS BEND HAS TO BE CUT ABOVE THE GRAVEL BED THAT WOULD PREVENT THE BUSHING END ATTACHMENTS.
13. THE TRENCH SHALL BE AT THE REQUIRE DEPTH TO MAINTAIN 6" OR MORE BELOW THE EDGE OF THE HAND HOLE FROM THE CONDUIT.
14. SCHEDULE 80 PVC 90-DGREE 36" RADIUS ELBOWS SHALL BE USED. ANY OTHER BENDS SHALL NOT BE USED.
15. DE-BURR AND MAKE SMOOTH THE CONDUIT ENDS ENTERING THE HAND HOLES.
16. COMPRESSION TYPE PLUGS SHALL BE USED ON ALL CONDUIT ENDS.
17. TERMINATIONS MADE WITH-IN ALL HAND HOLES SHALL BE IP68 RATED AND A UL TERMINATION METHOD USED. ALL METHODS SHALL BE APPROVED BY ENGINEER.
18. ALL CONDUITS SHALL BE SUPPLIED WITH MULE TAPE OR PULL STRING, IN ACCORDANCE TO THE TYPE OF CONDUIT INSTALLED. *HDPE CONDUIT SHOULD HAVE MULE TAPE SUPPLIED WHEN ORDERED. ALL OTHER CONDUITS SHALL HAVE PULL STRING INSTALLED.
19. HAND HOLE SIZE DEPENDS ON QUANTITY AND SIZE OF CONDUITS.
20. PROVIDE DIVIDER PLATE IN PULL BOX TO SEPARATE COMM. WIRING FROM POWER WIRING WHERE APPLICABLE.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS ENTLER
Jan-EN Enu. 50120

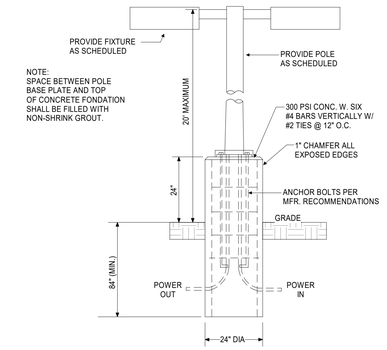
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ELECTRICAL DETAILS

PROJECT #: 6900

SHEET NUMBER
E5004

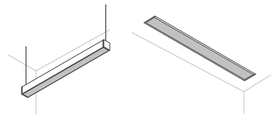
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1 E5005 **LIGHT POLE DETAIL**

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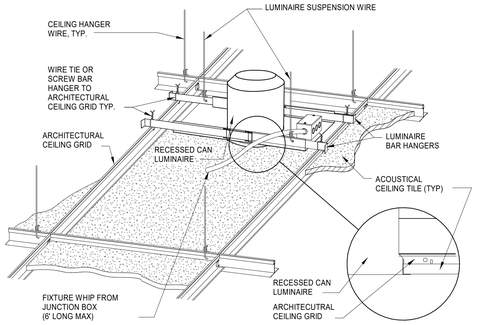
NOTE:
THIS SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS. IT IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER OR PREFERENCE.

LUMINAIRE REQUIREMENTS:

1. HOUSING - HEAVY GAUGE COLD ROLLED STEEL, EXTRUDED ALUMINUM, OR DIE CAST ALUMINUM BODY. SIZE AS INDICATED IN LUMINAIRE SCHEDULE.
2. DRIVER - REPLACEABLE, INTEGRAL, HIGH-EFFICIENCY DRIVER WITH MINIMUM 0.9 PF, OPERATING VOLTAGE OF 120-277V, THERMAL MANAGEMENT, AND < 20% THD. ON-OFF CONTROL AND FULLY DIMMABLE DOWN TO 10% MINIMUM OR AS INDICATED IN LUMINAIRE SCHEDULE.
3. CERTIFICATION - UL LISTED FOR DRY OR DAMP LOCATION, ROHS COMPLIANT, DLC QUALIFIED. COMPLIES WITH IES LM79, LM80 AND TM21 TESTING STANDARDS.
4. MOUNTING - PENDANT, STEM, OR SURFACE MOUNTED WITH STAINLESS STEEL MOUNTING HARDWARE, OR RECESSED IN HARD OR ACOUSTICAL TILE CEILING.
5. OPTIONS - EMERGENCY BATTERY BACK-UP, INTEGRAL OCCUPANCY/VACANCY SENSOR, VARIOUS PROFILE DIMENSIONS AND RUN LENGTHS, AND VARIOUS CLEAR OR FROSTED POLYCARBONATE LENSES, BAFFLES, OR LOUVERS.

2 E5005 **LIGHITNG - LINEAR LED SLOT - SUSPENDED OR SURFACE**

NTS

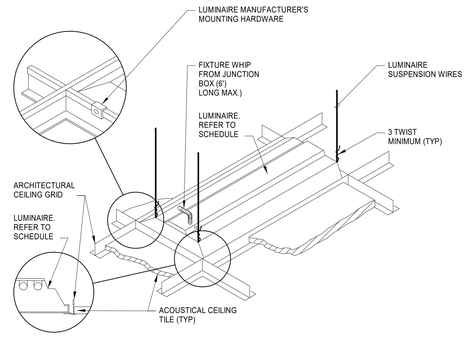


GENERAL NOTE:

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

3 E5005 **LIGHTING - DOWNLIGHT MOUNTING - LAY-IN CEILING**

NTS

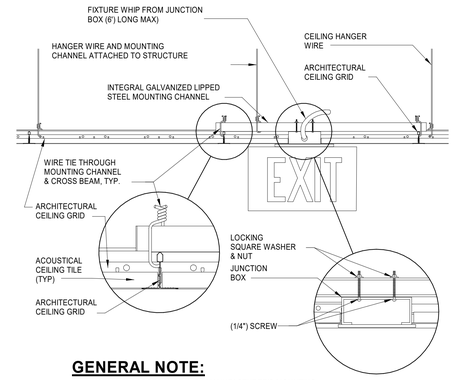


GENERAL NOTE:

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

4 E5005 **LIGHTING - LUMINAIRE MOUNTING - LAY-IN CEILING**

NTS

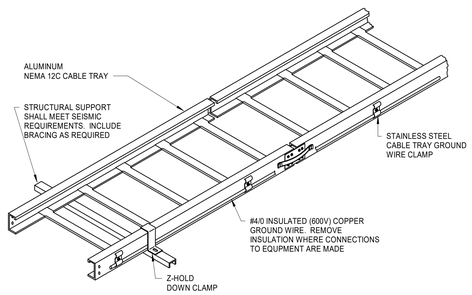


GENERAL NOTE:

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

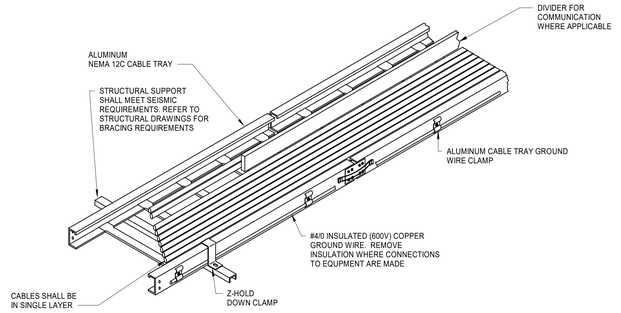
5 E5005 **LIGHTING - EXIT SIGN MOUNTING DETAIL - LAY-IN CEILING**

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6 E5005 **CABLE TRAY DETAIL**

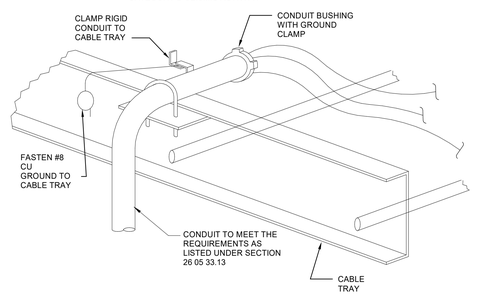
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7 E5005 **CABLE TRAY W/ DIVIDER DETAIL**

NTS

NOTES:
EC SHALL PROVIDE EQUIPMENT AND SUPPORTING HARDWARE RATED FOR CATEGORY D SEISMIC ACTIVITY.



8 E5005 **CONDUIT TO CABLE TRAY MOUNTING**

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED JAMES NICHOLAS CARLTON No. 50120 PROFESSIONAL ENGINEER

DRAWING TITLE
ELECTRICAL DETAILS

PROJECT #: 6900

SHEET NUMBER
E5005

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LIGHTING CONTROL SYSTEM

LIGHTING CONTROL SYSTEM OPERATIONAL INTENT:

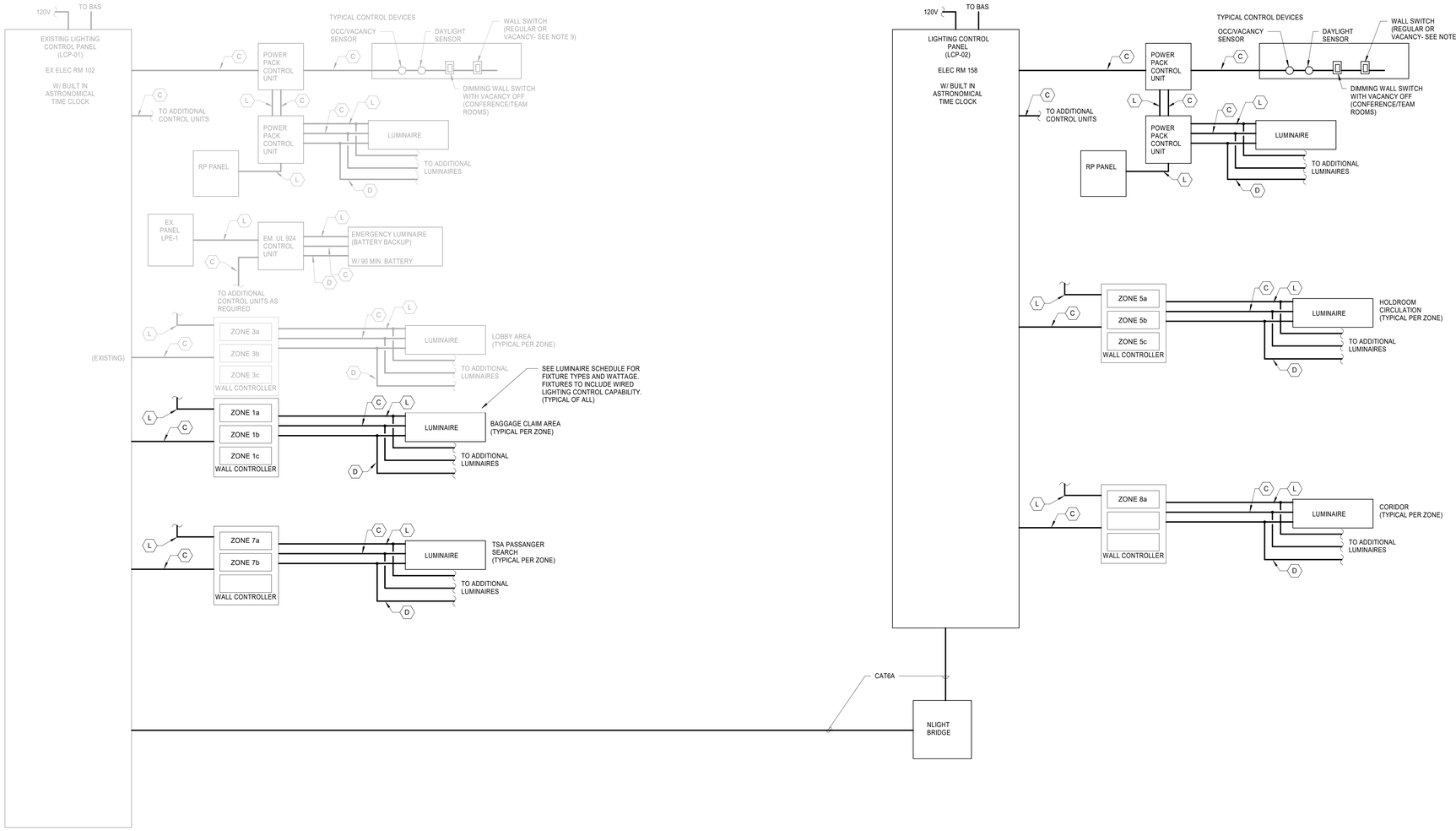
1. LIGHTING FOR BAGGAGE AREA/DEPARTURE/HOLDROOM AND CORRIDOR SHALL BE CONTROLLED VIA ASTRONOMICAL TIMECLOCK. PROVIDE MANUAL OVER-RIDE SWITCHES FOR OPERATION DURING NON-BUSINESS HOURS.
2. OVERRIDE SWITCH SHALL PROVIDE 2 HOURS, MINIMUM OF UN-INTERRUPTED OPERATION.
3. REFER TO DRAWINGS FOR ZONE ALLOCATION.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

LIGHTING CONTROL SYSTEM GENERAL NOTES:

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

WIRE LEGEND

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



1 LIGHTING CONTROLS DIAGRAM EXISTING TERMINAL HOLDROOM EXPANSION

E5006

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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Jansen License No. 50120

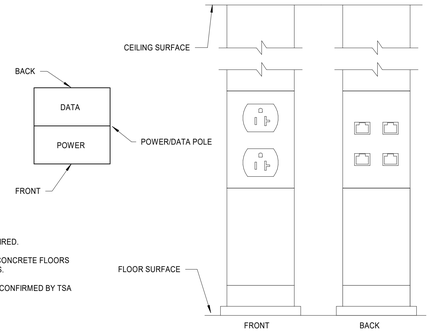
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ELECTRICAL DETAILS

PROJECT #: 6900

SHEET NUMBER
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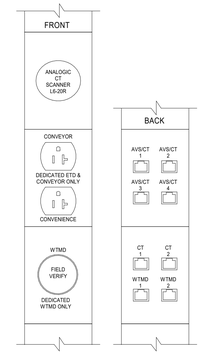
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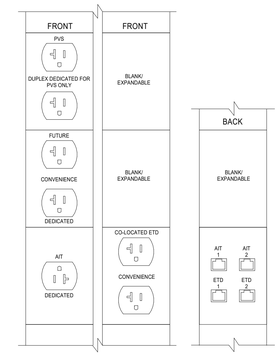
NOTES:

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

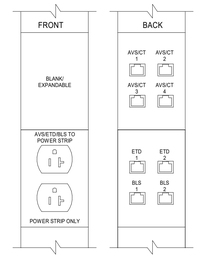
1 POWER POLE INSTALLATION



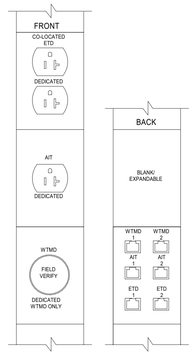
2 FRONT XRAY OUTLET CONFIGURATION "A1"



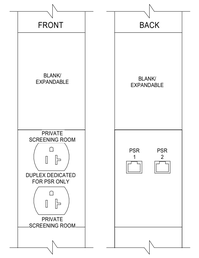
3 REAR XRAY OUTLET CONFIGURATION "B"



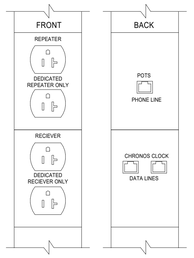
4 AVS/ETD/BLS CONFIGURATION "C"



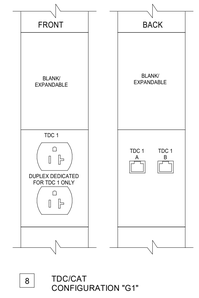
5 SINGLE LANE CONFIGURATION "D"



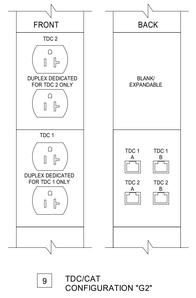
6 PRIVATE SCREENING ROOM CONFIGURATION "E"



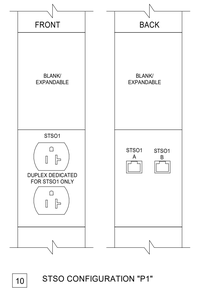
7 DURESS ALARM & CHRONOS CLOCK CONFIGURATION "F"



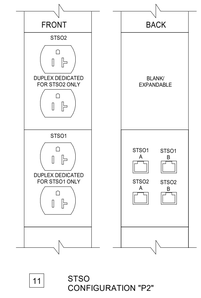
8 TDC/CAT CONFIGURATION "G1"



9 TDC/CAT CONFIGURATION "G2"



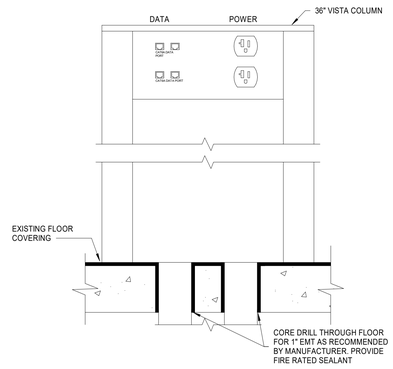
10 STSO CONFIGURATION "P1"



11 STSO CONFIGURATION "P2"

2 E5007 CPSS ANALOG MID-SIZE DETAILS (POWER POLES)

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1 E5007 CPSS ANALOG MID-SIZE DETAILS (POWER STANCHION DEVICE OPTION)

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

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Jacqueen Elder 50120

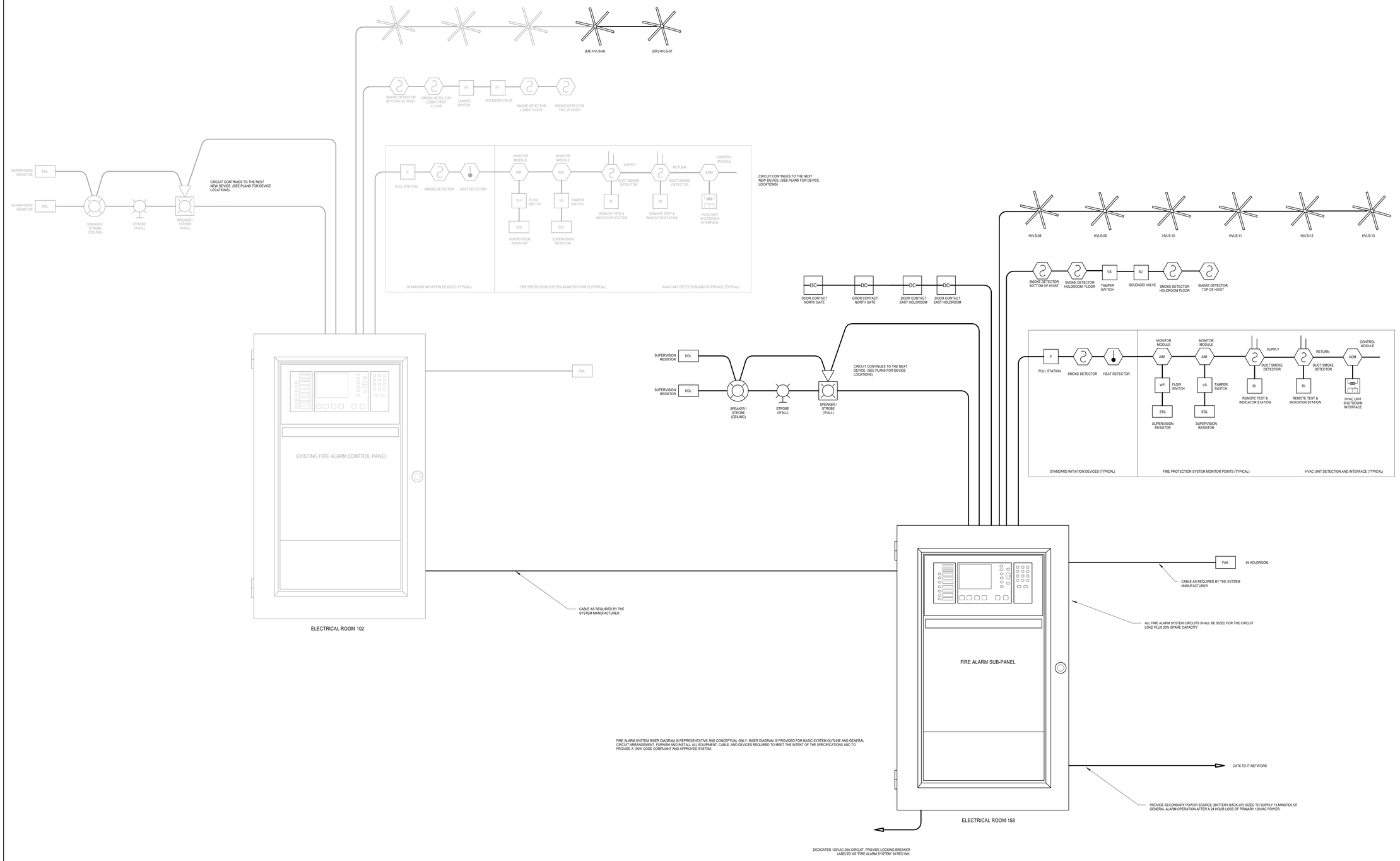
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FIRE ALARM SYSTEM RISER DIAGRAM IS REPRESENTATIVE AND CONCEPTUAL ONLY. RISER DIAGRAM IS PROVIDED FOR BASIC SYSTEM OUTLINE AND GENERAL CIRCUIT ARRANGEMENT. FURNISH AND INSTALL ALL EQUIPMENT, CABLE, AND DEVICES REQUIRED TO MEET THE INTENT OF THE SPECIFICATIONS AND TO PROVIDE A 100% CODE COMPLIANT AND APPROVED SYSTEM.

1 E5008 **FIRE ALARM RISER DIAGRAM**

SCALE: 3" = 1'-0"

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS STOCK

Jamison Stock No. 50120

DRAWING TITLE
FIRE ALARM RISER DIAGRAM

PROJECT #: 6900

SHEET NUMBER
E5008

EQUIPMENT CONNECTION SCHEDULE

NOTES
1. CONDUCTORS UPSIZED FOR VOLTAGE DROP.
2. PROVIDE MRS WITH RED RUNNING INDICATOR LIGHT. LOCATE SWITCH IN SIGHT OF EQUIPMENT PER NEC REQUIREMENTS.
3. OUTDOOR UNIT PROVIDES POWER TO INDOOR UNIT.
4. FAN TO OPERATE AND BE PROVIDED WITH A TOUCHSCREEN CONTROLLER. CONTRACTOR TO INSTALL CONTROLLER AND PROVIDE A DISCONNECT/MRS IN SITE OF FAN.
5. DISCONNECTING MEANS PROVIDED BY HVAC CONTRACTOR.

TAG	DESCRIPTION	LOCATION	LOAD		FLA	VOLTS	POLE	PANEL	CIRCUIT NUMBER	FEEDERS (HOMERUN)			LOCAL DISCONNECT / STARTER	NOTES
			VA	HP						WIRE	GND	CONDUIT		
FD-AHU-11-C1	MODULAR INDOOR AIR HANDLING UNIT	MECHANICAL PLATFORM	8,467 VA		23.5 A	208 V	3	MP-2	22,24,26	(3) #6 AWG	(1) #10 AWG	(1) 1" C	250V/3PH/60A(FAR)/NEMA 12	
FD-AHU-12-C1	MODULAR INDOOR AIR HANDLING UNIT	MECHANICAL PLATFORM	8,467 VA		23.5 A	208 V	3	MP-2	30,32,34	(3) #6 AWG	(1) #10 AWG	(1) 1" C	250V/3PH/60A(FAR)/NEMA 12	
FD-AHU-13	MODULAR INDOOR AIR HANDLING UNIT	MECHANICAL PLATFORM	3,027 VA		8.4 A	208 V	3	MP-2	38,40,42	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/3PH/30A(FAR)/NEMA 12	
FD-CH-1-C1	AIR COOLED CHILLER	OUTSIDE HOLDROOM WALL	75,700 VA		210.1 A	208 V	3	SWBD-1	9	2 [(3) #2/0 AWG]	2 [(1) #6 AWG]	2 [(1) 2" C]	250V/3PH/400A(FAR)/NEMA 3R	
FD-CU-01 & A/C-01	DUCTLESS SPLIT SYSTEM HVAC UNIT	OUTSIDE OF EXISTING TERMINAL	2,080 VA		10.0 A	208 V	2	MP-2	18,20	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 3R	1, 3
FD-DAC-01 - 03	DOOR AIR CURTAIN	HOLDROOM CIRCULATION 151	3,120 VA	2 1/2	15.0 A	208 V	2	MP-2	9,11	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-DAC-04 - 06	DOOR AIR CURTAIN	HOLDROOM CIRCULATION 151	3,120 VA	2 1/2	15.0 A	208 V	2	MP-2	13,15	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-EF-2	DIRECT DRIVE INLINE FAN	MECHANICAL PLATFORM	1,664 VA	3/4	8.0 A	208 V	2	MP-2	43,45	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-EWH-2	HOT WATER HEATER	JANITOR 165	5,500 VA		26.4 A	208 V	2	MP-2	44,46	(3) #6 AWG	(1) #10 AWG	(1) 3/4" C	600V/3PH/60A(FAR)/NEMA 12	
FD-HP-14 & AHU-14	DUCTLESS SPLIT SYSTEM HVAC UNIT	OUTSIDE OF EXISTING TERMINAL	3,744 VA		18.0 A	208 V	2	MP-2	10,12	(2) #4 AWG	(1) #10 AWG	(1) 1" C	250V/1PH/30A(FAR)/NEMA 3R	1, 3
FD-HP-15 & AHU-15	DUCTLESS SPLIT SYSTEM HVAC UNIT	OUTSIDE HOLDROOM WALL	3,744 VA		18.0 A	208 V	2	MP-2	14,16	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 3R	3
FD-HT-1	CHILLED WATER HEAT TRACE	OUTSIDE HOLDROOM WALL	80 VA		0.4 A	208 V	2	MP-2	56,58	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 3R	
FD-LS-1	LIFT STATION	OUTSIDE HOLDROOM WALL	27,000 VA		74.9 A	208 V	3	SWBD-1	10	(3) #1 AWG	(1) #8 AWG	(1) 1 1/2" C	250V/3PH/100A(FAR)/NEMA 3R	
FD-P1	CENTRIFUGAL IN-LINE CHILLED WATER PUMP	MECHANICAL PLATFORM	2,288 VA	1 1/2	11.0 A	208 V	2	MP-2	1,3	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-P2	CENTRIFUGAL IN-LINE CHILLED WATER PUMP	MECHANICAL PLATFORM	2,288 VA	1 1/2	11.0 A	208 V	2	MP-2	5,7	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-PBP-1	PRESSURE BOOSTER PUMP	MEP/FIRE PROTECTON 105	6,125 VA	5	17.0 A	208 V	3	MP-2	50,52,54	(3) #4 AWG	(1) #10 AWG	(1) 1" C	250V/3PH/30A(FAR)/NEMA 12	1
FD-RF-1	DIRECT WITH VFD INLINE FAN	MECHANICAL PLATFORM	6,125 VA	5	17.0 A	208 V	3	MP-2	37,39,41	(3) #10 AWG	(1) #10 AWG	(1) 3/4" C	250V/3PH/30A(FAR)/NEMA 12	
FD-VAV-1	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	MECHANICAL PLATFORM	9,000 VA		43.3 A	208 V	2	MP-2	17,19	(2) #4 AWG	(1) #10 AWG	(1) 1" C	250V/1PH/60A(FAR)/NEMA 12	
FD-VAV-2	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	MECHANICAL PLATFORM	2,000 VA		9.6 A	208 V	2	MP-2	21,23	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-VAV-3	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	MECHANICAL PLATFORM	1,500 VA		7.2 A	208 V	2	MP-2	25,27	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-VAV-4	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	MECHANICAL PLATFORM	2,000 VA		9.6 A	208 V	2	MP-2	29,31	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
FD-VAV-5	SINGLE DUCT VAV WITH ELECTRIC RE-HEAT	MECHANICAL PLATFORM	1,000 VA		4.8 A	208 V	2	MP-2	33,35	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	250V/1PH/30A(FAR)/NEMA 12	
MRS-AHU-11-C2	GAS HEATER CIRCUIT	MECHANICAL PLATFORM	280 VA		2.3 A	120 V	1	MP-2	28	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-AHU-12-C2	GAS HEATER CIRCUIT	MECHANICAL PLATFORM	280 VA		2.3 A	120 V	1	MP-2	36	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-CH-1-C2	AIR COOLED CHILLER HEAT TRACE	OUTSIDE HOLDROOM WALL	1,200 VA		10.0 A	120 V	1	MP-2	49	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-EWC-1	WATER COOLER	HOLDROOM CIRCULATION 151	370 VA		3.1 A	120 V	1	RP-6	31	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-HWP-2	HOT WATER PUMP	JANITOR 165	200 VA		1.7 A	120 V	1	MP-2	48	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-L-04	LOUVER/DAMPER	MECHANICAL PLATFORM	18 VA		0.2 A	120 V	1	MP-2	47	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-L-05	LOUVER/DAMPER	MECHANICAL PLATFORM	18 VA		0.2 A	120 V	1	MP-2	47	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-L-06	LOUVER/DAMPER	MECHANICAL PLATFORM	18 VA		0.2 A	120 V	1	MP-2	47	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	MOTOR RATED SWITCH	2
MRS-OHD-1	OVERHEAD DOOR	CONNECTION CIRCULATION 150	2,160 VA		18.0 A	120 V	1	RP-8	23	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	30A MOTOR RATED SWITCH	2
MRS-OHD-2	OVERHEAD DOOR	HOLDROOM CIRCULATION 151	2,160 VA	1	18.0 A	120 V	1	RP-5	13	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	30A MOTOR RATED SWITCH	2
MRS-OHD-3	OVERHEAD DOOR	HOLDROOM CIRCULATION 151	2,160 VA		18.0 A	120 V	1	RP-5	15	(2) #10 AWG	(1) #10 AWG	(1) 3/4" C	30A MOTOR RATED SWITCH	2
TC-HVLS-06	AXIAL CIRCULATION FAN	RENTAL CAR 126	696 VA	1/4	5.8 A	120 V	1	MP-2	51	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-06-07 CONTROLLER	TOUCHSCREEN CONTROLLER	RENTAL CAR 126	500 VA		4.2 A	120 V	1	MP-2	53	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	
TC-HVLS-07	AXIAL CIRCULATION FAN	RENTAL CAR 126	696 VA	1/4	5.8 A	120 V	1	MP-2	51	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-08	AXIAL CIRCULATION FAN	CONCESSION 152	696 VA	1/4	5.8 A	120 V	1	MP-2	55	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-08-10 CONTROLLER	TOUCHSCREEN CONTROLLER	HOLDROOM 170	500 VA		4.2 A	120 V	1	MP-2	57	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	
TC-HVLS-09	AXIAL CIRCULATION FAN	HOLDROOM 155	696 VA	1/4	5.8 A	120 V	1	MP-2	55	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-10	AXIAL CIRCULATION FAN	CONCESSION 156	696 VA	1/4	5.8 A	120 V	1	MP-2	55	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-11	AXIAL CIRCULATION FAN	PATIO 157	528 VA	0.1	4.4 A	120 V	1	MP-2	59	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-11-13 CONTROLLER	TOUCHSCREEN CONTROLLER	PATIO 157	500 VA		4.2 A	120 V	1	MP-2	8	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	
TC-HVLS-12	AXIAL CIRCULATION FAN	PATIO 157	528 VA	0.1	4.4 A	120 V	1	MP-2	59	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4
TC-HVLS-13	AXIAL CIRCULATION FAN	PATIO 157	528 VA	0.1	4.4 A	120 V	1	MP-2	59	(2) #12 AWG	(1) #12 AWG	(1) 3/4" C	TOUCHSCREEN CONTROLLER	4

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	LED	WATTS (W)	LUMENS (LM)	COLOR TEMP.	CRI	COMPANY	CATALOG NO.	VOLTAGE	REMARKS
A	2X4 TROFFER CURVED CENTER	LED	30.3	4321	4000 K	80	LITHONIA	STAKP 2X4 4000LM 80CRI 40K COL MIN10 ZT MVOLT PWS1856LV	UNV	
AE	2X4 TROFFER CURVED CENTER	LED	30.3	4321	4000 K	80	LITHONIA	STAKP 2X4 4000LM 80CRI 40K COL MIN10 ZT MVOLT E7W PWS1846 PWSLV	UNV	
A1	2X4 TROFFER CURVED CENTER	LED	45.7	6522	4000 K	80	LITHONIA	STAKP 2X4 6000LM 80CRI 40K COL MIN10 ZT MVOLT PWS1856LV	UNV	
A1E	2X4 TROFFER CURVED CENTER	LED	45.7	6522	4000 K	80	LITHONIA	STAKP 2X4 6000LM 80CRI 40K COL MIN10 ZT MVOLT E7W PWS1846 PWSLV	UNV	
B	2X2 TROFFER CURVED CENTER	LED	30.7	4310	4000 K	80	LITHONIA	STAKP 2X2 4000LM 80CRI 40K COL MIN10 ZT MVOLT PWS1856LV	UNV	
BE	2X2 TROFFER CURVED CENTER	LED	30.7	4310	4000 K	80	LITHONIA	STAKP 2X2 4000LM 80CRI 40K COL MIN10 ZT MVOLT E7W PWS1846 PWSLV	UNV	
C	6" ROUND DOWNLIGHT	LED	34.8	3021	4000 K	80	LITHONIA	LDN6 40/30 L06AR LSS MVOLT GZ10	UNV	
CE	6" ROUND DOWNLIGHT	LED	34.8	3021	4000 K	80	LITHONIA	LDN6 40/30 L06AR LSS MVOLT GZ10 EL	UNV	
D	4' SUSPENDED STRIP LIGHT	LED	25.5	4237	4000 K	80	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 40K 80CRI WH	UNV	
DE	4' SUSPENDED STRIP LIGHT	LED	25.5	4237	4000 K	80	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 40K 80CRI E10WLCP SPD WH	UNV	
E	LED HIGH BAY	LED	174	24873	4000 K	80	LITHONIA	CPHB 24000LM SEF GCL ND MVOLT GZ10 40K 80CRI DWH	UNV	
EE	LED HIGH BAY	LED	174	24873	4000 K	80	LITHONIA	CPHB 24000LM SEF GCL ND MVOLT GZ10 40K 80CRI E10WCP DWH	UNV	
F	12" ROUND CANOPY LIGHT	LED	16.6	1077	4000 K	80	LITHONIA	OLCFM 15 DDB	120V	
G	ARCHITECTURAL LED WALL SCONCE UP/DOWN LIGHT OUTDOOR RATED	LED	17	1000/1000	3000 K	90	TGS	CUDWR 0411 L-15W C-3000K BZ 90CRI EM-4W	UNV	
H	SQUARE CANOPY LIGHT	LED	75	5000-10000 ADJUSTABLE	3000 K-5000 K ADJUSTABLE	80	LITHONIA	CNY LED ALO SWW2 UVOLT PE PIR WH M2	UNV	
J	4' WALL MOUNTED INDUSTRIAL STRIP	LED	40	4325	4000 K	80	LITHONIA	WL4 40L EZ1 LP840 E10W	UNV	
L	4' ARCHITECTURAL SLOT PENDANT DIRECT	LED	55	5768	4000 K	80	MARK	S4PD MSL4 80CRI 40K 1500LMF MIN10 FLL MVOLT WHTT	UNV	
LE	4' ARCHITECTURAL SLOT PENDANT DIRECT	LED	55	5768	4000 K	80	MARK	S4PD MSL4 80CRI 40K 1500LMF MIN10 FLL MVOLT WHTT E10WLCP	UNV	
M	6' LINEAR OUTDOOR RATED	LED	35	1225	3000K	90	PRUDENTIAL LIGHTING	WETPRO3-LIN FLSH LED3 HO 6' WETYBR SAL SC UNV SUR DM01	UNV	
ME	6' LINEAR OUTDOOR RATED	LED	35	1225	3000K	90	PRUDENTIAL LIGHTING	WETPRO3-LIN FLSH LED3 HO 6' WETYBR SAL SC UNV SUR DM01 EMHE	UNV	
O	60" DECORATIVE HIGH BAY RING	LED	150	12900	4000 K	80	SOLO	SL1-P1EM-60-MW-SGP-LED1-40K-UNV-OAHXX-DM1	UNV	
R	40" LIGHTED BOLLARD	LED	40	2022	4000 K	80	LITHONIA	KBR8 LED 16C 700 40K SYM 208 PE DF DBLXD	208	PROVIDE WITH PHOTOCELL
SL1	AREA/SITE LED TYPE 4 DISTRIBUTION	LED	165	20845	4000 K	80	LITHONIA	DSX1 LED P6 40K 80CRI T4M MVOLT RPA DBLXD	UNV	USE POLE# RTA 20 7E DM19AS DBLXD PROVIDE WITH PHOTOCELL
SL2	AREA/SITE LED TYPE 5 DISTRIBUTION	LED	165	21795	4000 K	80	LITHONIA	DSX1 LED P6 40K 80CRI T5W MVOLT RPA DBLXD	UNV	USE POLE# RTA 20 7E DM28AS DBLXD PROVIDE WITH PHOTOCELL
WP1	ARCHITECTURAL WALL PACK	LED	30	4152	5000 K	80	LITHONIA	ARC2 LED P4 50K MVOLT DBLXD	UNV	PROVIDE WITH PHOTOCELL
WP1E	ARCHITECTURAL WALL PACK	LED	30	4152	5000 K	80	LITHONIA	ARC2 LED P4 50K MVOLT E4WH DBLXD	UNV	PROVIDE WITH PHOTOCELL
X	COMBINATION EXIT SIGN/EMERGENCY LIGHT	LED	4.3	-	-	-	LITHONIA	LHQM LED R M6	UNV	

NOTES:

1. IF SHOWN WITH "E", FIXTURE SHALL HAVE BATTERY BACKUP.

2. CONTRACTOR TO PROVIDE APPROPRIATE MOUNTING BRACKETS, HANGERS, AND HARDWARE AS REQUIRED FOR INSTALLATION OF ALL FIXTURES.

LIGHTING AND RECEPTACLE BRANCH CIRCUIT CONDUCTORS WITH VOLTAGE DROP ADJUSTMENTS

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

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

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

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BARGE DESIGN SOLUTIONS
615 BELVEDERE AVENUE, SUITE 250 | CHARLOTTE, NC 28208

GULF SHORES INTERNATIONAL AIRPORT
TERMINAL 1.5
1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

STAMP
ALABAMA LICENSED PROFESSIONAL JAMES NICHOLAS ENGINEER
James Nicholas Eyton No. 50120

DRAWING TITLE
ELECTRICAL SCHEDULES

PROJECT #: 6900

SHEET NUMBER
E6001

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(E)LP-1

Service: 208/120 Wye , 3 ϕ , 4 W
Location:

Supply From:

CKT	Circuit Description	Branch Circuit	Trip	P	A (kVA)		B (kVA)		C (kVA)		P	Trip	Branch Circuit	Circuit Description	CKT
1	(E)RELAY PANEL	20A/2W	20 A	1	0.5	0.6					1	20 A	20A/2W	(E)BATHROOM/ HALL LIGHTS	2
3	SPARE		20 A	1			0	0.5			1	20 A	20A/2W	(E)RELAY PANEL	4
5	(E)RELAY PANEL	20A/2W	20 A	1					0.5	0.5	1	20 A	20A/2W	(E)RELAY PANEL	6
7	(E)WALL PACKS	20A/2W	20 A	1	0.6	0.5					1	20 A	20A/2W	(E)RELAY PANEL	8
9	(E)POLE LIGHTS	20A/3W	20 A	2			0.5	0.5			1	20 A	20A/2W	(E)RELAY PANEL	10
11									0.5	0	1	20 A		SPARE	12
13	(E)POLE LIGHTS	20A/3W	20 A	2	0.5	0.6					1	20 A	20A/2W	(E)PHOTOCELL (OUTDOOR...	14
15							0.5	0.5			1	20 A	20A/2W	(E)DRIVE THRU CANOPY LIGHTS	16
17	(E)RELAY PANEL	20A/2W	20 A	1					0.5	0.5	1	20 A	20A/2W	(E)RELAY PANEL	18
19	(E)FIRE ALARM PANEL	20A/2W	20 A	1	0.5	1.1					1	20 A	20A/2W	LTS- HIGH BAY - TERMINAL	20
21	(E)SITE POWER	20A/2W	20 A	1			1	0.9			1	20 A	20A/2W	(E)LTS - DECO FXTR - TERMINAL	22
23	(E)SITE POWER	20A/2W	20 A	1					1	1.7	1	20 A	20A/2W	LTS - TSA PASS. SCRNG.	24
25	(E)SITE POWER	20A/2W	20 A	1	1	1.6					1	20 A	20A/2W	LTS - HIGH BAYS & TSA ROOMS	26
27	BOLLARD LIGHTS		20 A	2			0.4	0.2			1	20 A		LIGHTING	28
29									0.4						30
			Total Load:		7.5 kVA		5 kVA		6 kVA						
			Total Amps:		63 A		42 A		48 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Existing Load	11800 VA	14750 VA		
Lighting - Exterior	800 VA	1000 VA	**Total Conn. Load:**	18 kVA
Lighting	5593 VA	4474 VA	**Total Est. Demand:**	20 kVA
			Total Conn.:	50 A
			Total Est. Demand:	56 A

ENCLOSURE DATA

Mounting: SURFACE
Main Type: CIRCUIT BREAKER
Trip: 100 A
Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER
Bus Rating: 250 A
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

1. LOADS SHOWN ARE ASSUMPTIONS BASED ON ORGINAL DESIGN DOCUMENTS. CONTRACTOR TO METER LOADS FOR A MINIMUM OF 30 DAYS PRIOR TO ADDING ADDITIONAL LOAD TO PANEL.

(E)RP-4

Service: 208/120 Wye , 3 ϕ , 4 W
Location: ELEC 128

Supply From: (E)DPE-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	RM 106 TSA PASS. SCRNG. REC.	20A/2W	20 A	1	0.7	1.1					1	20 A	20A/2W	PWR. PED. (TDC/ CAT)	2
3	RM 106 TSA PASS. SCRNG. REC.	20A/2W	20 A	1			0.7	1.1			1	20 A	20A/2W	PWR. PED. (TDC/ CAT)	4
5	REC-AIT XRAY(L6-20R)	20A/3W	20 A	2					1.8	1.1	1	20 A	20A/2W	PWR. PED. (TDC/ CAT)	6
7					1.8	1.1					1	20 A	20A/2W	PWR. PED. (TDC/ CAT)	8
9	TSA IT CABINET (L6-30R)	20A/3W	30 A	2			2.7	1.1			2	20 A	20A/3W	PWR. PED (FRONT OF XRAY CT SCANNER)	10
11									2.7	0					12
13	SPARE	20A/2W	20 A	1	0	1.1					1	20 A	20A/2W	PWR. PED (FRONT OF XRAY...	14
15	SPARE	20A/2W	20 A	1			0	1.1			1	20 A	20A/2W	PWR. PED (WTMD)	16
17	SPARE	20A/2W	20 A	1					0	1.1	1	20 A	20A/2W	PWR. PED. (REAR OF XRAY PVS)	18
19	SPARE	20A/2W	20 A	1	0	1.1					1	20 A	20A/2W	PWR. PED. (REAR OF XRAY CONV.)	20
21	RM 111 TSA SECURITY MNGR....	20A/2W	20 A	1			0.7	1.1			1	20 A	20A/2W	PWR. PED. (REAR OF XRAY AIT)	22
23	RM 130 TSA IT REC.	20A/2W	20 A	1					0.2	1.1	1	20 A	20A/2W	PWR. PED. (REAR OF XRAY ETD)	24
25	RM 106 TSA PASS. SCRNG. REC.	20A/2W	20 A	1	0.5	0					2	20 A	20A/3W	SPARE(TSA POWER POLE)	26
27	SPARE		20 A	1			0	0							28
29	PWR. PED. (STSO)	20A/2W	20 A	1					1.1	0	1	20 A	20A/2W	SPARE(TSA POWER POLE)	30
31	PWR. PED. (STSO)	20A/2W	20 A	1	1.1	0					1	20 A	20A/2W	SPARE(TSA POWER POLE)	32
33	DURESS ALARM RECEIVER PANEL	20A/2W	20 A	1			0.2	0			1	20 A	20A/2W	SPARE(TSA POWER POLE)	34
35	DURESS ALARM REPEATER PANEL	20A/2W	20 A	1					0.2	0	1	20 A	20A/2W	SPARE(TSA POWER POLE)	36
37	T-RP-4B	50A/4W	50 A	3	2.1	0					1	20 A	20A/2W	SPARE(TSA POWER POLE)	38
39							0	0			1	20 A	20A/2W	SPARE(TSA POWER POLE)	40
41									2.6	1.1	1	20 A	20A/2W	PWR. PED. (AVS/ ETD/ BLS)	42
			Total Load:		10.5 kVA		9 kVA		13 kVA						
			Total Amps:		90 A		72 A		109 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	9800 VA	9800 VA		
Receptacle	22080 VA	16040 VA	**Total Conn. Load:**	32 kVA
			Total Est. Demand:	26 kVA
			Total Conn.:	88 A
			Total Est. Demand:	72 A

ENCLOSURE DATA

Mounting: SURFACE
Mains Rating: 100 A
Trip: 100 A
Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER
Bus Rating: 100 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

1. LOADS SHOWN ARE ASSUMPTIONS BASED ON ORGINAL DESIGN DOCUMENTS. CONTRACTOR TO METER LOADS FOR A MINIMUM OF 30 DAYS PRIOR TO ADDING ADDITIONAL LOAD TO PANEL.

(E)RP-4B

Service: 240/120 , 3 ϕ , 4 W
Location: ELEC 128

Supply From: (E)T-RP-4B

CKT	Circuit Description	Branch Circuit	Trip	P	A (kVA)		B (kVA)		C (kVA)		P	Trip	Branch Circuit	Circuit Description	CKT
1															2
3	NOT USED/ NOTE 1		20 A	1			0	--			1	--		NOT USED/ NOTE 1	4
5															6
7	REC- TSA BRK RM 110 TV	20A/2W	20 A	1	0.2										8
9	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	10
11	RM 106 TSA PASS. SCRNG. QUAD	20A/2W	20 A	1					0.4						12
13	RM 106 TSA PASS. SCRNG. QUAD	20A/2W	20 A	1	0.4										14
15	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	16
17	RM 110 TSA TRNG. BRK. REC.	20A/2W	20 A	1					0.9						18
19	RM 110 TSA TRNG. BRK. REFRIG.	20A/2W	20 A	1	1										20
21	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	22
23	RM 110 TSA TRNG. BRK. GFI REC.	20A/2W	20 A	1					0.2						24
25	RM 110 TSA TRNG. BRK. GFI REC.	20A/2W	20 A	1	0.2										26
27	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	28
29	RM 110 TSA TRNG. BRK....	20A/2W	20 A	1					1.2						30
31	RM 110 TSA TRNG. BRK. GFI REC.	20A/2W	20 A	1	0.4										32
33	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	34
35															36
37															38
39	NOT USED/ NOTE 1		--	1			--	--			1	--		NOT USED/ NOTE 1	40
41															42
			Total Load:		2.1 kVA		0 kVA		3 kVA						
			Total Amps:		17 A		0 A		22 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	1000 VA	1000 VA		
Receptacle	3720 VA	3720 VA	**Total Conn. Load:**	5 kVA
			Total Est. Demand:	5 kVA
			Total Conn.:	11 A
			Total Est. Demand:	11 A

ENCLOSURE DATA

Mounting: SURFACE
Mains Rating: 50 A
Trip: 50A
Enclosure: NEMA 1

BUS DATA

Bus Material:
Bus Rating: 50 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

1. HIGH LEG DELTA SYSTEM "B" PHASE SHALL NOT BE USED FOR SINGLE POLE LOADS.
2. LOADS SHOWN ARE ASSUMPTIONS BASED ON ORGINAL DESIGN DOCUMENTS. CONTRACTOR TO METER LOADS FOR A MINIMUM OF 30 DAYS PRIOR TO ADDING ADDITIONAL LOAD TO PANEL.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

NO	ISSUED FOR	DATE
B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER JAMES NICHOLAS CATHEY
Jacqueline Elev. 50120

DRAWING TITLE
ELECTRICAL SCHEDULES

PROJECT #: 6900

SHEET NUMBER
E6002

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SWBD-1

Service: 208/120 Wye,3 ϕ,4 W
Location: ELEC. 158

Supply From:

CKT	Circuit Description	Trip Type	P	Frame Size	Trip Rating	A	B	C	Remarks
1	SPD		3	30 A	30 A	0 VA	0 VA	0 VA	
2	RP-5		3	100 A	100 A	6120 VA	5760 VA	3160 VA	
3	RP-6		3	400 A	250 A	17198 VA	19326 VA	18648 VA	
4	RP-7		3	200 A	200 A	10700 VA	8720 VA	7320 VA	
5	LP-2		3	100 A	100 A	3287 VA	3092 VA	4170 VA	
6	MP-2		3	400 A	400 A	31157 VA	26789 VA	25971 VA	
7	KP-1		3	400 A	400 A	23660 VA	23660 VA	23660 VA	
8	RP-8		3	200 A	200 A	5000 VA	3980 VA	4960 VA	
9	FD-CH-1-C1		3	400 A	350 A	25233 VA	25233 VA	25233 VA	
10	FD-LS-1 (LIFT STATION)		3	100 A	100 A	9000 VA	9000 VA	9000 VA	
11	RP-GEN-2		3	100 A	100 A	1333 VA	1333 VA	1333 VA	
12	SPARE		3	100 A	100 A	0 VA	0 VA	0 VA	
13	SPARE		3	100 A	100 A	0 VA	0 VA	0 VA	
14	SPARE		3	100 A	100 A	0 VA	0 VA	0 VA	
15	SPARE		3	100 A	100 A	0 VA	0 VA	0 VA	
16	SPARE		3	100 A	100 A	0 VA	0 VA	0 VA	
					Total Conn. Load:	132.7 kVA	126.9 kVA	123.5 kVA	
					Total Amps:	1110 A	1062 A	1029 A	

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	111980 VA	111980 VA		
HVAC	30168 VA	24135 VA	**Total Conn. Load:**	383 kVA
Lighting	10549 VA	8439 VA	**Total Est. Demand:**	363.2 kVA
Motor	162098 VA	163743 VA	**Total Conn.:**	1063 A
Receptacle	36740 VA	23370 VA	**Total Est. Demand:**	1008 A
Future	31500 VA	31500 VA		

ENCLOSURE DATA:

Mounting: SURFACE
Mains Rating: 1600A
Trip: 1600A
Enclosure: TYPE 1

BUS DATA

Bus Material: COPPER
Bus Rating: 1600 A
Fault Rating: 65 KAIC
Neutral Bus: INCLUDED
Ground Bus: INCLUDED

Remarks and Accessories:

LP-2

Service: 208/120 Wye , 3 ϕ , 4 W
Location: ELEC. 158

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	LTS - RM 158, 159, 162, 165, 166,...	20A/2W	20 A	1	1.1	0					3	30 A		SPD	2
3	LTS- HIGH BAY HOLDROOM 151	20A/2W	20 A	1			1.2	0							4
5	LTS- HIGH BAY HOLDROOM 151	20A/2W	20 A	1					1.6	0					6
7	LTS- HIGH BAY HOLDROOM 151	20A/2W	20 A	1	1.6	0					1	20 A		SPARE	8
9	LTS - DECO FIXTURE HOLDROOM	20A/2W	20 A	1			0.9	0			1	20 A		SPARE	10
11	LTS - CONNECTOR CIRCULATION	20A/2W	20 A	1					1.9	0	1	20 A		SPARE	12
13	JB - OUTSIDE SIGN LIGHTING	20A/2W	20 A	1	0.4	0					1	20 A		SPARE	14
15	LTS - PATIO 157 - OVERHEAD	20A/2W	20 A	1			0.5	0			1	20 A		SPARE	16
17	LTS - PATIO 157 - OVERHEAD	20A/2W	20 A	1					0.4	0	1	20 A		SPARE	18
19	LTS - PATIO 157 - SCONCE	20A/2W	20 A	1	0.1	0					1	20 A		SPARE	20
21	LTS - EXTERIOR WALL PACKS	20A/2W	20 A	1			0.4	0			1	20 A		SPARE	22
23	LTS - EXTERIOR WALL PACKS	20A/2W	20 A	1					0.4	0	1	20 A		SPARE	24
25	LTS - ARFF CANOPY	20A/2W	20 A	1	0.2	0					1	20 A		SPARE	26
27	Lighting	20A/2W	20 A	1			0.1	0			1	20 A		SPARE	28
29	SPARE		20 A	1					0	0	1	20 A		SPARE	30
31	SPARE		20 A	1	0	0					1	20 A		SPARE	32
33	SPARE		20 A	1			0	0			1	20 A		SPARE	34
35	SPARE		20 A	1					0	0	1	20 A		SPARE	36
37	SPARE		20 A	1	0	0					1	20 A		SPARE	38
39	SPARE		20 A	1			0	0			1	20 A		SPARE	40
41	SPARE		20 A	1					0	0	1	20 A		SPARE	42
					Total Load:	3.3 kVA		3 kVA		4 kVA					
					Total Amps:	28 A		26 A		35 A					

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Lighting	10549 VA	8439 VA		
			Total Conn. Load:	11 kVA
			Total Est. Demand:	8 kVA
			Total Conn.:	29 A
			Total Est. Demand:	23 A

ENCLOSURE DATA

Mounting: SURFACE
Mains Rating: 100 A
Trip: 100 A
Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER
Bus Rating: 100 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

MP-2

Service: 208/120 Wye , 3 ϕ , 4 W
Location: ELEC. 158

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	FD-P1	NOTE 1	20 A	2	1.1	0					3	30 A		SPD	2
3							1.1	0							4
5	FD-P2	NOTE 1	20 A	2					1.1	0					6
7					1.1	0.5					1	20 A	[20A/2W]	HVLS 11 - 13 CONTROLLER	8
9	FD-DAC-01, FD-DAC-02, FD-DAC-03	NOTE 1	30 A	2			1.6	1.9			2	30 A	NOTE 1	FD-HP-14 & AHU-14	10
11									1.6	1.9					12
13	FD-DAC-04, FD-DAC-05, FD-DAC-06	NOTE 1	30 A	2	1.6	1.9					2	30 A	NOTE 1	FD-HP-15 & AHU-15	14
15							1.6	1.9							16
17	FD-VAV-1	NOTE 1	60 A	2					4.5	1	2	20 A	NOTE 1	FD-CU-01 & A/C-01	18
19					4.5	1									20
21	FD-VAV-2	NOTE 1	20 A	2			1	2.8			3	50 A	NOTE 1	FD-AHU-11-C1	22
23									1	2.8					24
25	FD-VAV-3	NOTE 1	20 A	2	0.8	2.8									26
27							0.8	0.3			1	15 A	NOTE 1	MRS-AHU-11-C2	28
29	FD-VAV-4	NOTE 1	20 A	2					1	2.8	3	50 A	NOTE 1	FD-AHU-12-C1	30
31					1	2.8									32
33	FD-VAV-5	NOTE 1	20 A	2			0.5	2.8							34
35									0.5	0.3	1	15 A	NOTE 1	MRS-AHU-12-C2	36
37	FD-RF-01	NOTE 1	30 A	3	2	1									38
39							2	1			3	15 A	NOTE 1	FD-AHU-13	40
41									2	1					42
43	FD-EF-2	NOTE 1	20 A	2	0.8	2.8									44
45							0.8	2.8			2	50 A	NOTE 1	FD-EWH-2	46
47	MRS-L-04 - 06	NOTE 1	20 A	1					0.1	0.2	1	20 A	NOTE 1	MRS-HWP-2	48
49	MRS-CH-1-C2	NOTE 1	20 A	1	1.2	2									50
51	HVLS-06 & HVLS-07	[20A/2W]	20 A	1			1.4	2			3	30 A	NOTE 1	FD-PBP-1	52
53	HVLS 06 & 07 CONTROLLER	[20A/2W]	20 A	1					0.5	2					54
55	HVLS-08 - 10	[30A/2W]	30 A	1	2.1	0									56
57	HVLS 08 - 10 CONTROLLER	[20A/2W]	20 A	1			0.5	0			2	30 A	NOTE 1	FD-HT-1	58
59	HVLS-11 - 13	[30A/2W]	30 A	1					1.6	0	1	20 A		SPARE	60
61	SPARE		20 A	1	0	0					1	20 A		SPARE	62
63	SPARE		20 A	1			0	0			1	20 A		SPARE	64
65	SPARE		20 A	1					0	0	1	20 A		SPARE	66
67	SPARE		20 A	1	0	0					1	20 A		SPARE	68
69	SPARE		20 A	1			0	0			1	20 A		SPARE	70
71	SPARE		20 A	1					0	0	1	20 A		SPARE	72
					Total Load:	31.2 kVA		27 kVA		26 kVA					
					Total Amps:	261 A		224 A		216 A					

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	1200 VA	1200 VA		
HVAC	30168 VA	24135 VA	**Total Conn. Load:**	84 kVA
Motor	52548 VA	46088 VA	**Total Est. Demand:**	71 kVA
			Total Conn.:	233 A
			Total Est. Demand:	198 A

ENCLOSURE DATA

Mounting: SURFACE
Mains Rating: 400 A
Trip: 400 A
Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER
Bus Rating: 400 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

1. SEE EQUIPMENT SCHEDULE.

RP-5

Service: 208/120 Wye , 3 ϕ , 4 W
Location: STORAGE 154

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	REC - RM 153	20A/2W	20 A	1	1.8	0					3	30 A		SPD	2
3	REC- CONCESSIONS 152	20A/2W	20 A	1			1.8	0							4
5	REC- PATIO 157 WP/GFI	20A/2W	20 A	1					0.7	0					6
7	FLOORBOX - HOLDROOM 155 N.	20A/2W	20 A	1	0.7	0					1	20 A		SPARE	8
9	FLOORBOX - HOLDROOM 155 S.	20A/2W	20 A	1			0.7	0			1	20 A		SPARE	10
11	REC - AED CABINET HOLDROOM	20A/2W	20 A	1					0.2	0	1	20 A		SPARE	12
13	MRS-OHD-2	NOTE 1	30 A	1	2.2	0					1	20 A		SPARE	14
15	MRS-OHD-3	NOTE 1	30 A	1			2.2	0			1	20 A		SPARE	16
17	OHD-2 & 3 CONTROL PANEL	20A/2W	20 A	1					1	0	1	20 A		SPARE	18
19	FLOORBOX - HOLDROOM 155	20A/2W	20 A	1	0.7	0					1	20 A		SPARE	20
21	FLOORBOX - HOLDROOM 155	20A/2W	20 A	1			0.7	0			1	20 A		SPARE	22
23	FLOORBOX - HOLDROOM 155	20A/2W	20 A	1					0.7	0	1	20 A		SPARE	24
25	FLOORBOX - HOLDROOM 155	20A/2W	20 A	1	0.7	0					1	20 A		SPARE	26
27	FLOORBOX -GATE KIOSK	20A/2W	20 A	1			0.4	0			1	20 A		SPARE	28
29	REC- PATIO TVS	20A/2W	20 A	1					0.5	0	1	20 A		SPARE	30
31	SPARE		20 A	1	0	0					1	20 A		SPARE	32
33	SPARE		20 A	1			0	0			1	20 A		SPARE	34
35	SPARE		20 A	1					0	0	1	20 A		SPARE	36
37	SPARE		20 A	1	0	0					1	20 A		SPARE	38
39	SPARE		20 A	1			0	0			1	20 A		SPARE	40
41	SPARE		20 A	1					0	0	1	20 A		SPARE	42
					Total Load:	6.1 kVA		6 kVA		3 kVA					
					Total Amps:	54 A		51 A		26 A					

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	1000 VA	1000 VA		
Motor	4320 VA	4428 VA	**Total Conn. Load:**	15 kVA
Receptacle	9720 VA	9720 VA	**Total Est. Demand:**	15 kVA
			Total Conn.:	42 A
			Total Est. Demand:	42 A

ENCLOSURE DATA

Mounting: SURFACE
Mains Rating: 100 A
Trip: 100 A
Enclosure: NEMA 1

BUS DATA

Bus Material: COPPER
Bus Rating: 100 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

1. SEE EQUIPMENT SCHEDULE.

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B	DESIGN DEVELOPMENT	02/27/2026
1	CONSTRUCTION DOCUMENTS	05/01/2026

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ALABAMA LICENSED PROFESSIONAL ENGINEER
James Nicholas Barge
Number 50120

DRAWING TITLE
ELECTRICAL SCHEDULES

PROJECT #: 6900

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RP-6

Service: 208/120 Wye , 3 ϕ , 4 W
Location: ELEC. 158

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	REC - RESTROOM 159 , 162	[20A/2W]	20 A	1	1.6	0									2
3	REC - NURSING 128	[20A/2W]	20 A	1			0.5	0			3	30 A		SPD	4
5	GFI REC - OUTSIDE WEST WALL	[20A/2W]	20 A	1					0.5	0					6
7					2.9	0.5					1	20 A	[20A/2W]	FACP	8
9	IT CABINET 1	[40A/4W]	40 A	3			2.9	0.5			1	20 A	[20A/2W]	LIGHTING CONTROL PANEL	10
11									2.9	0.3	2	20 A	[20A/2W]	FAA	12
13					2.9	0.3									14
15	IT CABINET 2	[40A/4W]	40 A	3			2.9	0			1	20 A		SPARE	16
17									2.9	0	1	20 A		SPARE	18
19					2.9	0					1	20 A		SPARE	20
21	IT CABINET 3	[40A/4W]	40 A	3			2.9	0			1	20 A		SPARE	22
23									2.9	0	1	20 A		SPARE	24
25					5.7	0					1	20 A		SPARE	26
27	FUTURE CONCESSIONS	[60A/4W]	60 A	3			5.7	0			1	20 A		SPARE	28
29									5.7	--	1	--		SPACE	30
31	REC - WATER CLOSET	[20A/2W]	20 A	1	0.4	--					1	--		SPACE	32
33	REC- HOLDROOM SOUTH WALL	[20A/2W]	20 A	1			1.4	--			1	--		SPACE	34
35	REC- MEZZANINE	[20A/2W]	20 A	1					1.3	--	1	--		SPACE	36
37	REC- EVIDS HOLDROOM	[20A/2W]	20 A	1	0.4	--					1	--		SPACE	38
39	SLIDE GATE CONTROL AND OPERATOR	[30A/2W]	30 A	2			2.5	--			1	--		SPACE	40
41									2.5	--	1	--		SPACE	42
			Total Load:		17.2 kVA		19 kVA		19 kVA						
			Total Amps:		143 A		163 A		157 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	31943 VA	31943 VA		
Motor	370 VA	463 VA	**Total Conn. Load:**	55 kVA
Receptacle	5760 VA	5760 VA	**Total Est. Demand:**	55 kVA
Future	17100 VA	17100 VA	**Total Conn.:**	153 A
			Total Est. Demand:	153 A

ENCLOSURE DATA
Mounting: SURFACE
Mains Rating: 250 A
Trip: 250 A
Enclosure: NEMA 1

BUS DATA
Bus Material: COPPER
Bus Rating: 400 A
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

KP-1

Service: 208/120 Wye , 3 ϕ , 4 W
Location: KITCHEN 166

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1					23.7	0									2
3	(POTENTIAL KITCHEN LOAD)		250 A	3			23.7	0			3	30 A		SPD	4
5									23.7	0					6
7	SPARE		20 A	1	0	0					1	20 A		SPARE	8
9	SPARE		20 A	1			0	0			1	20 A		SPARE	10
11	SPARE		20 A	1					0	0	1	20 A		SPARE	12
13	SPARE		20 A	1	0	0					1	20 A		SPARE	14
15	SPARE		20 A	1			0	0			1	20 A		SPARE	16
17	SPACE		--	1					--	--	1	--		SPACE	18
19	SPACE		--	1	--	--					1	--		SPACE	20
21	SPACE		--	1			--	--			1	--		SPACE	22
23	SPACE		--	1					--	--	1	--		SPACE	24
25	SPACE		--	1	--	--					1	--		SPACE	26
27	SPACE		--	1			--	--			1	--		SPACE	28
29	SPACE		--	1					--	--	1	--		SPACE	30
31	SPACE		--	1	--	--					1	--		SPACE	32
33	SPACE		--	1			--	--			1	--		SPACE	34
35	SPACE		--	1					--	--	1	--		SPACE	36
37	SPACE		--	1	--	--					1	--		SPACE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
			Total Load:		23.7 kVA		24 kVA		24 kVA						
			Total Amps:		197 A		197 A		197 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	70980 VA	70980 VA		
			Total Conn. Load:	71 kVA
			Total Est. Demand:	71 kVA
			Total Conn.:	197 A
			Total Est. Demand:	197 A

ENCLOSURE DATA
Mounting: SURFACE
Mains Rating: 400 A
Trip: 400 A
Enclosure: NEMA 1

BUS DATA
Bus Material: COPPER
Bus Rating: 400 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

RP-7

Service: 208/120 Wye , 3 ϕ , 4 W
Location: JANITOR 165

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1					4.8	0									2
3	FUTURE CONCESSIONS	[50A/4W]	50 A	3			4.8	0			3	30 A		SPD	4
5									4.8	0					6
7	REC - OFFICE 168	[20A/2W]	20 A	1	0.7	0.4					1	20 A	[20A/2W]	FLOORBOX -GATE KIOSK	8
9	REC- OFFICE 168	[20A/2W]	20 A	1			0.7	1.1			1	20 A	[20A/2W]	FLOORBOX - HOLDROOM 170 S.	10
11	REC - OFFICE 169	[20A/2W]	20 A	1					0.7	0.7	1	20 A	[20A/2W]	REC - HOLDROOM TVS 170 WALL	12
13	REC - OFFICE 169	[20A/2W]	20 A	1	1.1	1.4					1	20 A	[20A/2W]	REC - HOLDROOM 170 WALL	14
15	REC- OFFICE 169 TV	[20A/2W]	20 A	1			0.5	0			1	20 A	[20A/2W]	SECURITY CAMERAS	16
17	REC- EVDS	[20A/2W]	20 A	1					0.4	0	1	20 A	[20A/2W]	SECURITY CAMERAS	18
19	REC - AED CABINET HOLDROOM	[20A/2W]	20 A	1	0.2	0.5					1	20 A	[20A/2W]	REC- EXTERIOR EAST BUILDING	20
21	ARFF PANCAKE COMPRESSOR	[20A/2W]	20 A	1			0.5	0			1	20 A		SPARE	22
23	ARFF CANOPY TRICKLE CHARGE	[20A/2W]	20 A	1					0.4	0	1	20 A		SPARE	24
25	FLOORBOX - HOLDROOM 170	[20A/2W]	20 A	1	1.1	0					1	20 A		SPARE	26
27	FLOORBOX - HOLDROOM 170	[20A/2W]	20 A	1			1.1	0			1	20 A		SPARE	28
29	FLOORBOX - HOLDROOM 170	[20A/2W]	20 A	1					0.4	0	1	20 A		SPARE	30
31	ICE BOX		20 A	1	0.5	0					1	20 A		SPARE	32
33	SPARE		20 A	1			0	--			1	--		SPACE	34
35	SPARE		20 A	1					0	--	1	--		SPACE	36
37	SPARE		20 A	1	0	--					1	--		SPACE	38
39	SPARE		20 A	1			0	--			1	--		SPACE	40
41	SPARE		20 A	1					0	--	1	--		SPACE	42
			Total Load:		10.7 kVA		9 kVA		7 kVA						
			Total Amps:		91 A		74 A		61 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	1360 VA	1360 VA		
Receptacle	10980 VA	10490 VA	**Total Conn. Load:**	27 kVA
Future	14400 VA	14400 VA	**Total Est. Demand:**	26 kVA
			Total Conn.:	74 A
			Total Est. Demand:	73 A

ENCLOSURE DATA
Mounting: SURFACE
Mains Rating: 200 A
Trip: 200 A
Enclosure: NEMA 1

BUS DATA
Bus Material: COPPER
Bus Rating: 200 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:

RP-8

Service: 208/120 Wye , 3 ϕ , 4 W
Location:

Supply From: SWBD-1

CKT	Circuit Description	Branch Circuit	Trip	P	A		B		C		P	Trip	Branch Circuit	Circuit Description	CKT
1	REC-STORAGE	[20A/2W]	20 A	1	0.9	0									2
3	SECURITY GATE 1	[20A/2W]	20 A	1			1	0			3	30 A		SPD	4
5	REC - STORAGE 123	[20A/2W]	20 A	1					0.7	0					6
7	REC- BAGGAGE CLAIM WEST	[20A/2W]	20 A	1	1.3	0.9					1	20 A	[20A/2W]	REC - CORRIDOR 131 AND 150	8
9	REC - BAGGAGE CLAIM VENDING 1	[20A/2W]	20 A	1			0.5	0.4			1	20 A	[20A/2W]	REC - STORAGE 122	10
11	REC - BAGGAGE CLAIM VENDING 3	[20A/2W]	20 A	1					0.5	0.5	1	20 A	[20A/2W]	REC - STORAGE 124	12
13	REC - RENTAL CAR 126 WEST TVS	[20A/2W]	20 A	1	0.2	0.9					1	20 A	[20A/2W]	REC- BAGGAGE CLAIM EAST	14
15	REC - RENTAL CAR 126 WEST	[20A/2W]	20 A	1			0.7	0.5			1	20 A	[20A/2W]	REC - BAGGAGE CLAIM VENDING 2	16
17	REC - RENTAL CAR 126 SOUTH...	[20A/2W]	20 A	1					0.4	0.5	1	20 A	[20A/2W]	REC - BAGGAGE CLAIM VENDING 4	18
19	REC - CORRIDOR SCREEN	[20A/2W]	20 A	1	0.2	0.2					1	20 A	[20A/2W]	REC - RENTAL CAR 126 EAST TVS	20
21	REC- DISPLAY BAG CLAIM 101	[20A/2W]	20 A	1			0.2	0.7			1	20 A	[20A/2W]	REC - RENTAL CAR 126 EAST	22
23	MRS-OHD-1	NOTE 1	20 A	1					2.2	0.2	1	20 A	[20A/2W]	REC - TERMINAL EAST WP/GFI	24
25	OHD-1 CONTROL PANEL	[20A/2W]	20 A	1	0.5	0					1	20 A		SECURITY CAMERAS	26
27	SPARE		20 A	1			0	0			1	20 A		SPARE	28
29	SPARE		20 A	1					0	0	1	20 A		SPARE	30
31	SPARE		20 A	1	0	0					1	20 A		SPARE	32
33	SPARE		20 A	1			0	0			1	20 A		SPARE	34
35	SPARE		20 A	1					0	0	1	20 A		SPARE	36
37	SPARE		20 A	1	0	0					1	20 A		SPARE	38
39	SPACE		--	1			--	0			1	20 A		SPARE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
43	SPACE		--	1	--	--					1	--		SPACE	44
45	SPACE		--	1			--	--			1	--		SPACE	46
47	SPACE		--	1					--	--	1	--		SPACE	48
49	SPACE		--	1	--	--					1	--		SPACE	50
51	SPACE		--	1			--	--			1	--		SPACE	52
53	SPACE		--	1					--	--	1	--		SPACE	54
			Total Load:		5.0 kVA		4 kVA		5 kVA						
			Total Amps:		43 A		33 A		43 A						

Load Classification	Connected Load	Estimated Demand	Panel Totals	
Equipment	1500 VA	1500 VA		
Motor	2160 VA	2700 VA	**Total Conn. Load:**	14 kVA
Receptacle	10280 VA	10140 VA	**Total Est. Demand:**	14 kVA
			Total Conn.:	39 A
			Total Est. Demand:	40 A

ENCLOSURE DATA
Mounting: SURFACE
Mains Rating: 200A
Trip: 200A
Enclosure: NEMA 1

BUS DATA
Bus Material: COPPER
Bus Rating: 200 AMPS
Fault Rating: 22 KAIC
Neutral Bus: Included
Ground Bus: Included

Remarks and Accessories:
1. SEE EQUIPMENT SCHEDULE.

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GULF SHORES INTERNATIONAL AIRPORT TERMINAL 1.5

1155 COMMERCE DR, GULF SHORES, AL 36542

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James N Patton No. 50120

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