GENERAL NOTES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE NEW JERSEY UNIFORM CONSTRUCTION CODE (NJAC 5:23) AND ALL APPLICABLE MODEL BUILDING SUBCODES, INCLUDING BUT NOT LIMITED TO:
NEW JERSEY INTERNATIONAL BUILDING CODE, 2021
ICC/ANSI 117.1, 2017 ACCESSIBLE AND USABLE BUILDING AND FACILITIES
INTERNATIONAL MECHANICAL CODE, 2021
NATIONAL ELECTRICAL CODE, 2020
NATIONAL STANDARD PLUMBING CODE, 2021

ALL WORK SHALL BE PERFORMED DURING NORMAL WORK HOURS, AS SET FORTH IN THE MUNICIPAL ORDINANCE WHICH HOLDS JURISDICTION OVER THE AREA OF WORK. UNLESS SPECIFICALLY PROVIDED OTHERWISE IN THESE CONTRACT DOCUMENTS, SPECIFICATIONS, OR OTHER WRITTEN AGREEMENTS BETWEEN OWNER AND CONTRACTOR.

THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK-SITE AND PROTECT ALL BUILDING MATERIALS FROM THE ELEMENTS AND FROM ON-GOING CONSTRUCTION WORK AS NECESSARY TO MAINTAIN THE MATERIAL INTEGRITY.

THE AREA OF WORK SHALL BE SEPARATED FROM ALL OTHER OCCUPIED AREAS BY MINIMUM 6 MIL POLY ETHYLENE DUST CURTAIN. WHERE AREAS OF WORK ARE ADJACENT TO PUBLIC AREAS TO BE OCCUPIED AND CONSTRUCTION PARTITIONS ARE NOT SPECIFIED IN OTHER AREAS OF THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, THE AREA OF WORK SHALL BE SEPARATED BY A UL DESIGN U465 ONE HOUR CONSTRUCTION PARTITION FROM FLOOR TO CEILING ABOVE THE MIN. 5/8" G.W.B. EACH SIDE OF 3-5/8" METAL STUD FRAMING AT 16" O.C. AND 3" S.A.F.B. IN THE STUD CAVITY. ALL CONSTRUCTION PARTITION REQUIREMENTS SHALL COMPLY WITH NJAC 5:23-9.6(C) IN ALL CASES.

WHEN NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS, ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY HAVING JURISDICTION OVER THE PROJECT AREA AND ICC/ANSI 117.1, 2017.

ALL LANDSCAPING SHALL BE INSTALLED AT SUCH TIME SO AS TO BE IN HEALTHY CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION. ANY LANDSCAPE MATERIALS NOT IN SUCH CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, GROWING SEASON, AND CONSTRUCTION SCHEDULE IN SCHEDULING INSTALLATIONS AFTER SUBSTANTIAL COMPLETION.

ALL BEARING SOIL SHALL BE UNDISTURBED OR 100% COMPACTED SOIL TO ACCOMMODATE THE INSTALLATION OF FOOTINGS, FOUNDATION WALLS, PILINGS, ETC. WHEN NOT INDICATED OTHERWISE IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS VIA SOIL REPORT, BEARING CAPACITY OF THE SOIL IN THE AREA OF WORK SHALL BE CONSIDERED TO BE 3,000 PSI WITHOUT DETRIMENTAL SETTLEMENT. IN SUCH CASES, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TESTING TO VERIFY THIS CONDITION PRIOR TO COMMENCEMENT OF WORK.

FOOTINGS SHALL BE LOCATED A MINIMUM OF 30" BELOW GRADE, UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

IN PERFORMING ANY EARTHWORK, ALL EXCAVATED AREAS SHALL BE PROVIDED WITH TEMPORARY SUPPORTS AND/OR SHORING TO PREVENT ANY COLLAPSE. EXCAVATED SOILS, FILL, ETC. SHALL BE STORED SO AS NOT TO EXCEED THE ANGLE OF REPOSE FOR EACH TYPE. ALL BEARING SOIL WHEN EXCAVATED AND STORED SHALL BE PROPERLY PROTECTED FROM THE ELEMENTS UNTIL BACKFILLING.

BACKFILLING SHALL BE PERFORMED IN MAX. 6" LIFTS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS. EACH LIFT SHALL BE TAMPED PRIOR TO CONTINUING WORK.

ALL MISCELLANEOUS WOOD SHALL BE MIN. NO. 1 OR BETTER DOUGLASS FIR. WOOD NAILERS, BLOCKING, ETC. IN FOUNDATION CONSTRUCTION SHALL BE TREATED TO RESIST DECAY.

ALL CRAWL SPACES AND SLAB ON-GRADE CONDITIONS SHALL BE PROVIDED WITH 6 MIL. POLYETHYLENE VAPOR BARRIER FOR THE ENTIRE FOOTPRINT AND MIN. 24" WIDE 2" RIGID INSULATION AT THE ENTIRE PERIMETER OF THE BUILDING FOOTPRINT.

ALL CONCRETE TO BE PROVIDED SHALL BE MIN. 4,000 PSI IN 28 DAYS UNLESS INDICATED OTHERWISE IN THESE DOCUMENTS.

ALL CONCRETE MASONRY UNITS WHEN LOAD-BEARING SHALL CONFORM TO ASTM C34-84. IN NON-LOAD-BEARING APPLICATIONS MASONRY UNITS SHALL COMPLY WITH C56-81.

ALL DOORS AND WINDOWS AT EXTERIOR WALLS SHALL BE PROVIDED WITH ALUM. SILL FLASHING UNDER THE ENTIRE WIDTH OF THE OPENING. AT WINDOW AREAS, FLASHING SHALL HAVE UPTURNED EDGES WITH SOLDERED CORNERS AND PITCH TO THE EXTERIOR. ALL WINDOWS AND DOORS SHALL BE PROVIDED WITH SHIM SPACES AT THE PERIMETER TO ENSURE A PLUMB AND TRUE INSTALLATION.

ALL GLAZING IN HAZARDOUS AREAS AS DEFINED IN 2406.2 SHALL BE TEMPERED GLAZED SAFETY GLASS AND SHALL BE IMPACT-RESISTANT GLAZED OPENINGS.

ALL GYPSUM WALL BOARD TO BE 5/8" FIRECODE 'C' UNLESS INDICATED OTHERWISE IN THE DOCUMENTS.

ALL BATHROOM AND KITCHEN AREAS SHALL BE PROVIDED WITH WATER-RESISTANT G.W.B., TYPICAL. ALL TILE AREAS SHALL BE PROVIDED WITH CEMENTITIOUS BOARD BACK-UP UNLESS INDICATED OTHERWISE.

IN ALL PAINTED WALL AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO MIN. LEVEL 5 FINISH.

IN ALL WALL-COVERED AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO MIN. LEVEL 4 FINISH.

UNLESS OTHERWISE NOTED, AT A MINIMUM, ALL EXPOSED LUMBER TO RECEIVE (3) COATS POLYURETHANE OVER STAIN, ALL EXPOSED GYPSUM TO RECEIVE (2) COATS LATEX OVER PRIMER. ALL METALS TO RECEIVE (2) COATS LATEX OVER APPROPRIATE METAL PRIMER.

SHOP DRAWINGS SHALL BE REQUIRED FOR ALL MILLWORK.

ALL THRESHOLDS AND OTHER FLOORING TRANSITIONS SHALL COMPLY WITH THE FLOOR LEVEL CHANGES CONSTITUTED IN ICC/ANSI 117.1, 2017.

ALL SPECIALTIES, ACCESSORIES, OR OTHER WALL-MOUNTED EQUIPMENT, FIXTURES, ETC. SHALL BE PROVIDED WITH NON-COMBUSTIBLE BLOCKING IN THE WALL CAVITY FOR SUPPORT UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL ELEVATOR PITS (WHERE APPLICABLE) SHALL BE PROVIDED WITH SUMP PUMP CONNECTED TO THE BUILDING STORM WATER SYSTEM. THE PIT SHALL BE PROVIDE WITH A GALV. STEEL ACCESS LADDER MOUNTED IN AN OSHA COMPLIANT LOCATION WITH WORK LIGHT AND SWITCH ACCESSIBLE FROM THE POINT OF ENTRY. ALL ELEVATOR DOORS SHALL BE PROVIDED WITH STRUCTURAL STEEL SILL ANGLES AS REQUIRED BY THE MANUFACTURER.

ALL PRODUCTS AND MANUFACTURERS ARE PROVIDED AS A BASIS OF DESIGN. SUBSTITUTIONS ARE PERMITTED PER DIVISION 01 25 00 OF THE SPECIFICATIONS.

ALL RAILINGS ARE TO BE DESIGNED TO BE CAPABLE OF WITHSTANDING LINEAR LOADS OF 50LBS PER FOOT AND CONCENTRATED LOADS OF 200LBS.

NEW CONSTRUCTION TO:
OCEAN CITY AIRPORT
2600 BAY AVENUE
OCEAN CITY, NJ 08226

OWNER:	OCEAN CITY 2600 BAY AVENUE OCEAN CITY, NJ 08226
MAYOR:	JAY A. GILLIAN
COUNCIL PRESIDENT:	TERRY CROWLEY, JR.
COUNCIL VICE PRESIDENT:	DAVE WINSLOW
COUNCIL:	SEAN BARNES
COUNCIL:	KEITH HARTZELL
COUNCIL:	JIM KELLY
COUNCIL:	JODY LEVCHUK
COUNCIL:	TONY POLCINI
ARCHITECT:	WILLIAM McLEES ARCHITECTURE 5 MACARTHUR BOULEVARD SOMERS POINT, NJ 08244 CONTACT: WILLIAM McLEES, AIA 609.927.0888
CIVIL ENGINEER:	ENGINEERING DESIGN ASSOCIATES, P.A. 5 CAMBRIDGE DRIVE OCEAN VIEW, NJ 08230 609.390.0332
STRUCTURAL ENGINEER:	CZAR ENGINEERING 5014 FERNWOOD AVENUE EGG HARBOR TOWNSHIP, NJ 08234 609.653.9445
MECHANICAL, PLUMBING, ELECTRICAL ENGINEER:	CONCORD ENGINEERING 210 NEW ROAD, SUITE 7 LINWOOD, NJ 08221 609.272.9620
GEOTECHNICAL ENGINEER:	GZA GEOENVIROMENTAL, INC. 850 SOUTH WHITE HORSE PIKE, SUITE B HAMMONTON, NJ 08037 609.567.9330

DRAWING LIST (CD)

SHEET NUMBER	SHEET NAME	ISSUE DATE	CURRENT REVISION	REVISION DATE
G0.00	COVER SHEET	08.28.26		
G1.00	BUILDING CODE ANALYSIS & ABBREVIATIONS	08.28.26		
G1.01	LIFE SAFETY PLANS & SECTIONS	08.28.26		
G1.10	LIFE SAFETY ASSEMBLIES	08.28.26		
G1.11	FLOOD PROTECTION DETAILS & GENERATOR PLATFROM	08.28.26		
C-1	COVER SHEET	08.21.26		
C-2	EXISTING CONDITIONS	08.21.26		
C-3	DEMOLITION PLAN	08.21.26		
C-4	LAYOUT PLAN	08.21.26		
C-5	GRADING AND DRAINAGE PLAN	08.21.26		
C-6	UTILITY PLAN	08.21.26		
C-7	SOIL EROSION & SEDIMENT CONTROL PLAN	08.21.26		
C-8	DETAILS	08.21.26		
C-9	SOIL EROSION & SEDIMENT CONTROL NOTES	08.21.26		
A0.00	SCHEDULES	08.28.26		
A1.01	SITE PLAN	08.28.26		
A1.02	ENLARGED SITE PLAN & PHASING NOTES	08.28.26		
A1.10	CRAWLSPACE PLAN	08.28.26		
A1.11	FIRST FLOOR PLAN	08.28.26		
A1.12	SECOND FLOOR PLAN	08.28.26		
A1.13	ROOF PLAN	08.28.26		
A1.20	CRAWLSPACE REFLECTED CEILING PLAN	08.28.26		
A1.21	FIRST FLOOR REFLECTED CEILING PLAN	08.28.26		
A1.22	SECOND FLOOR REFLECTED CEILING PLAN	08.28.26		
A2.00	ELEVATIONS	08.28.26		
A2.01	ELEVATIONS	08.28.26		
A3.10	BUILDING SECTIONS	08.28.26		
A3.21	WALL SECTIONS	08.28.26		
A3.22	WALL SECTIONS	08.28.26		
A3.23	WALL SECTIONS	08.28.26		
A4.11	STAIR 1 PLANS & SECTIONS	08.28.26		
A4.12	STAIR 2 PLANS & SECTIONS	08.28.26		
A4.21	ELEVATOR PLANS AND SECTIONS	08.28.26		
A4.31	ROOF ACCESS	08.28.26		
A4.41	ENLARGED VIEWS	08.28.26		
A4.42	ENLARGED VIEWS	08.28.26		
A5.01	ENLARGED EXTERIOR ELEVATIONS and SIGN DETAILS	08.28.26		
A4.13	STAIR SECTIONS & DETAILS	08.28.26		
A5.11	BUILDING DETAILS - FOUNDATIONS, EXTERIOR WALLS & FLOORS	08.28.26		

DRAWING LIST (CD)

SHEET NUMBER	SHEET NAME	ISSUE DATE	CURRENT REVISION	REVISION DATE
A5.22	BUILDING DETAILS - ROOF	08.28.26		
A5.21	BUILDING DETAILS - ROOF	08.28.26		
A5.31	INTERIOR BUILDING DETAILS	08.28.26		
A6.10	DOOR SCHEDULES, TYPES & HARDWARE	08.28.26		
A6.20	WINDOW SCHEDULES, TYPES & DETAILS	08.28.26		
A6.30	STOREFRONT ELEVATIONS & DETAILS	08.28.26		
A6.31	EXTERIOR STOREFRONT ELEVATIONS	08.28.26		
A6.32	EXTERIOR STOREFRONT ELEVATIONS	08.28.26		
S-1	FOUNDATION PLAN	08.18.26		
S-2	SECOND FLOOR FRAMING	08.18.26		
S-3	ROOF FRAMING	08.18.26		
S-4	SECTIONS & DETAILS	08.18.26		
S-5	SECTIONS & DETAILS	08.18.26		
S-6	SECTIONS & DETAILS	08.18.26		
S-7	GENERAL NOTES	08.18.26		
S-8	SOIL BORING	08.18.26		
M0.00	MECHANICAL COVER SHEET	08.28.26		
M0.01	MECHANICAL SCHEDULES	08.28.26		
M0.02	MECHANICAL SCHEDULES	08.28.26		
M0.03	MECHANICAL SCHEDULES	08.28.26		
M0.04	MECHANICAL DETAILS	08.28.26		
M0.05	MECHANICAL DETAILS	08.28.26		
M1.11	MECHANICAL CRAWLSPACE	08.28.26		
M1.12	MECHANICAL FIRST FLOOR PLAN	08.28.26		
M1.13	MECHANICAL SECOND FLOOR PLAN	08.28.26		
M1.14	MECHANICAL ROOF PLAN	08.28.26		
P0.00	PLUMBING LEAD SHEET	08.28.26		
P0.01	PLUMBING DETAILS	08.28.26		
P0.02	PLUMBING DETAILS	08.28.26		
P0.03	PLUMBING SCHEDULES	08.28.26		
P1.10	PLUMBING UNDERGROUND PLAN	08.28.26		
P1.11	PLUMBING CRAWLSPACE FLOOR PLAN - DRAINAGE	08.28.26		
P1.12	PLUMBING FIRST FLOOR PLAN - DRAINAGE	08.28.26		
P1.13	PLUMBING SECOND FLOOR PLAN - DRAINAGE	08.28.26		
P2.11	PLUMBING CRAWLSPACE FLOOR PLAN - SERVICE	08.28.26		
P2.12	PLUMBING FIRST FLOOR PLAN - SERVICE	08.28.26		
P2.13	PLUMBING SECOND FLOOR PLAN - SERVICE	08.28.26		
P2.14	PLUMBING ATTIC PLAN - SERVICE	08.28.26		
P3.01	PLUMBING SANITARY RISER DIAGRAM	08.28.26		
P3.02	PLUMBING DOMESTIC WATER RISER DIAGRAM	08.28.26		

DRAWING LIST (CD)

SHEET NUMBER	SHEET NAME	ISSUE DATE	CURRENT REVISION	REVISION DATE
FP0.00	FIRE PROTECTION LEAD SHEET	08.28.26		
FP0.01	FIRE PROTECTION DETAILS AND SCHEDULES	08.28.26		
FP1.11	FIRE PROTECTION CRAWLSPACE PLAN	08.28.26		
FP1.12	FIRE PROTECTION FIRST FLOOR PLAN	08.28.26		
FP1.13	FIRE PROTECTION SECOND FLOOR PLAN	08.28.26		
FP1.14	FIRE PROTECTION ATTIC PLAN	08.28.26		
E0.00	ELECTRICAL LEAD SHEET	08.28.26		
E0.01	ELECTRICAL SINGLE LINE DIAGRAM	08.28.26		
E0.02	ELECTRICAL GROUNDING DETAILS	08.28.26		
E0.03	ELECTRICAL DETAILS	08.28.26		
E1.01	ELECTRICAL SITE PLAN	08.28.26		
E1.11	ELECTRICAL CRAWLSPACE POWER PLAN	08.28.26		
E1.12	ELECTRICAL FIRST FLOOR POWER PLAN	08.28.26		
E1.13	ELECTRICAL SECOND FLOOR POWER PLAN	08.28.26		
E1.14	ELECTRICAL ROOF POWER PLAN	08.28.26		
E1.21	ELECTRICAL CRAWLSPACE LIGHTING PLAN	08.28.26		
E1.22	ELECTRICAL FIRST FLOOR LIGHTING PLAN	08.28.26		
E1.23	ELECTRICAL SECOND FLOOR LIGHTING PLAN	08.28.26		
E2.01	ELECTRICAL ENLARGED PLANS	08.28.26		
E3.01	ELECTRICAL PANEL SCHEDULES	08.28.26		
E3.02	ELECTRICAL PANEL SCHEDULES	08.28.26		
E3.03	ELECTRICAL PANEL SCHEDULES	08.28.26		
E3.04	ELECTRICAL LUMINAIRE SCHEDULE	08.28.26		
FA0.00	FIRE ALARM LEAD SHEET	08.28.26		
FA0.01	FIRE ALARM RISER DIAGRAM	08.28.26		
FA1.11	FIRE ALARM CRAWLSPACE PLAN	08.28.26		
FA1.12	FIRE ALARM FIRST FLOOR PLAN	08.28.26		
FA1.13	FIRE ALARM SECOND FLOOR PLAN	08.28.26		
FA1.14	FIRE ALARM ROOF PLAN	08.28.26		

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

COVER SHEET

Scale	12" = 1'-0"
Drawn by	WSZ
Date	08.28.26

G0.00

Comission no. 25023O

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ARCHITECTURE ABBREVIATIONS

AB	ANCHOR BOLT	M	METER
ABV	ABOVE	MACH	MACHINE
A/C	AIR CONDITIONING	MAS	MASONRY
AC	ASPHALTIC CONCRETE	MATL	MATERIAL
AD	AREA DRAIN	MAX	MAXIMUM
ADDM	ADDENDUM	MCP	METAL CEILING PANEL
ADJ	ADJUSTABLE	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MEMB	MEMBRANE
AFG	ABOVE FINISHED GRADE	MFG	MANUFACTURER
AHU	AIR HANDLING UNIT	MH	MANHOLE
ALT	ALTERNATE	MIN	MINIMUM
ALUM	ALUMINUM	MISC	MISCELLANEOUS
AMT	AMOUNT	MO	MASONRY OPENING
ANOD	ANODIZE(D)	MIRR	MIRROR
ARCH	ARCHITECT(URAL)	MTD	MOUNTED
AUTO	AUTOMATIC	MTL	METAL
AWT	ACOUSTIC WALL TREATMENT	MWP	METAL WALL PANEL
BC	BACK OF CURB	N	NORTH
BD	BOARD	N/A	NOT APPLICABLE
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO	NUMBER
BLK	BLOCK	NOM	NOMINAL
BLKG	BLOCKING	NTS	NOT TO SCALE
BM	BEAM OR BENCHMARK	OA	OUTSIDE AIR
BOD	BOTTOM OF DECK	OC	ON CENTER
BOR	BOTTOM OF REVEAL	OD	OUTSIDE DIAMETER/DIMENSION
BOT	BOTTOM	ODS	OVERFLOW DOWNSPOUT
BRG	BEARING	OPNG	OPENING
BRK	BRICK	OPP	OPPOSITE
BSMT	BASEMENT	OPT	OPTIONAL
CAB	CABINETRY	ORIG	ORIGINAL
CB	CATCH BASIN	OTB	OPEN TO BELOW
CEM	CEMENT	OVHD	OVERHEAD
CG	CORNER GUARD	PVG	PAVING
CIP	CAST-IN-PLACE	PC	PRECAST CONCRETE
CL	CENTER LINE	PCF	POUNDS PER CUBIC FOOT
CLG	CEILING	PERF	PERFORATED
CLR	CLEAR	PL	PROPERTY LINE
CLK	CLOCK	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PLAM	PLASTIC LAMINATE
CNTR	COUNTER	PLAS	PLASTER
COL	COLUMN	PLBG	PLUMBING
COMP	COMPOSITE	PLYWD	PLYWOOD
CONC	CONCRETE	PNL	PANEL
CONT	CONTINUE/CONTINUOUS	PRELIM	PRELIMINARY
CORR	CORRIDOR	PSI	POUNDS PER CUBIC INCH
COV PL	COVER PLATE	PT	POST TENSIONED
CPT	CARPET	PNT	PAINT
CT	CERAMIC TILE	PRT	PRESSURE TREATED
CTR	CENTER	PTN	PARTITION
D	DEEP	QT	QUARRY TILE
DBL	DOUBLE	R	RADIUS
DET	DETAIL	R	RISER
DIA	DIAMETER	RA	RETURN AIR
DIM	DIMENSION	RCP	REFLECTED CEILING PLAN
DN	DOWN	RD	ROOF DRAIN
DR	DOOR	REC	RECESSED
DR	DRAIN	REF	REFERENCE
DS	DOWNSPOUT	REFL	REFLECTED
DWG	DRAWING	REINF	REINFORCED
(E)	EXISTING	REQD	REQUIRED
E	EAST	RESIL	RESILIENT
EA	EACH	REV	REVISION
EXP BT	EXPANSION BOLT	RM	ROOM
EJ	EXPANSION JOINT	RND	ROUND
EL	ELEVATION	RO	ROUGH OPENING
ELEC	ELECTRIC(AL)	RV	ROOF VENT
ELEV	ELEVATOR	S	SOUTH
EMER	EMERGENCY	SAM	SELF ADHERED MEMBRANE
ENCL	ENCLOSURE	SAT	SUSPENDED ACOUSTICAL TILE
ENGR	ENGINEER	SC	SOLID CORE
EP	ELECTRICAL PANEL	SCHED	SCHEDULE
EQ	EQUAL	SCR	SCREEN
EQUIP	EQUIPMENT	SD	SOAP DISPENSER
EXIST	EXISTING	SECT	SECTION
EXH	EXHAUST	SF	SQUARE FOOT OR FEET
EXP	EXPANSION	SHD	WINDOW SHADE
EXT	EXTERIOR	SHTHG	SHEATHING
F/	FACE OF	SHT	SHEET
FA	FIRE ALARM	SIM	SIMILAR
FB	FLAT BAR	SOG	SLAB ON GRADE
FD	FLOOR DRAIN	SPEC	SPECIFICATION
FDTN	FOUNDATION	SQ	SQUARE
FE	FIRE EXTINGUISHER	ST	STREET
FIN FLR	FINISH FLOOR	STD	STANDARD
FIN	FINISH(ED)	STL	STEEL
FLASH	FLASHING	STN	STAIN
FLR	FLOOR	STOR	STORAGE
FLOUR	FLUORESCENT	STRUCT	STRUCTURAL
FM	FLOOR MAT	SUSP	SUSPEND(ED)
FOF	FACE OF FINISH	SYM	SYMMETRICAL
FOC	FACE OF CONCRETE	SYS	SYSTEM
FOM	FACE OF MASONRY	T/	TOP OF
FOS	FACE OF STUDS	T	TREAD
FPRF	FIRE PROTECTION	TOB	TOP OF BEAM
FR	FIRE RESISTANT	TEMP	TEMPORARY
FRAP	FIREMANS REMOTE ANNUNCIATOR PANEL	TERM	TERMINATION
FT	FOOT OR FEET	T&G	TONGUE & GROOVE
FTG	FOOTING	THK	THICKNESS
FURN	FURNITURE	THRES	THRESHOLD
G	GROUND	THRU	THROUGH
GA	GAUGE	TOF	TOP OF CONCRETE OR CURB
GALV	GALVANIZED	TOFF	TOP OF FINISHED FLOOR
GB	GRAB BAR	TOS	TOP OF SLAB
GC	GENERAL CONTRACTOR	TOT	TOTAL
GL	GLASS	TPNG	TOPPING
GYP BD	GYPSUM BOARD	THV	THERMAL RESISTANCE VALUE
HB	HOSE BIB	TYP	TYPICAL
HDR	HEADER	UNFIN	UNFINISHED
HWD	HARDWARE	UNO	UNLESS OTHERWISE NOTED
HDWD	HARDWOOD	UR	URINAL
HM	HOLLOW METAL	VB	VAPOR BARRIER
HNDRL	HANDRAIL	VOLT	VOLTAGE
HORIZ	HORIZONTAL	VR	VAPOR RETARDER
HR	HOUR	VENT	VENTILATION
HT	HEIGHT	VERT	VERTICAL
HTG	HEATING	VEST	VESTIBULE
HTR	HEATER	VIF	VERIFY IN FIELD
HVAC	HEATING, VENTILATING & AIR CONDITIONING	VNR	VENEER
		VP	VENEER PLASTER
ID	INSIDE DIAMETER/DIMENSION	VFY	VERIFY
IN	INCH	W	WEST
INCL	INCLUDE(D)	W/	WITH
INFO	INFORMATION	WC	WATER CLOSET
INSUL	INSULATION	WD	WOOD
INT	INTERIOR	WB	WOOD BASE
INV	INVERT	WDW	WINDOW
J-BOX	JUNCTION BOX	WGL	WIRED GLASS
JST	JOIST	W/O	WITHOUT
JT	JOINT	WP	WATERPROOFING
JAN	JANITOR CLOSET	WR	WASTE RECEPTACLE
KO	KNOCKOUT	WSCT	WAINSCOT
KPL	KICKPLATE	WT	WEIGHT
L	LENGTH	WTR	WATER
LAM	LAMINATE	W/W	WALL TO WALL
LAV	LAVATORY	WWF	WELDED WIRE FABRIC
LB	POUND	XFMR	TRANSFORMER
LF	LINEAR FOOT OR FEET	YD	YARD
LVR	LOUVER		

BUILDING CODE ANALYSIS

THIS WORK IS GOVERNED BY THE NEW JERSEY UNIFORM CONSTRUCTION CODE, NEW JERSEY EDITION OF THE 2021 INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE SUBCODES AS ADOPTED THEREIN. THIS WORK SHALL QUALIFY AS **NEW CONSTRUCTION** UNDER THE REQUIREMENTS AND DEFINITIONS OF THE NEW JERSEY U.C.C.

INTERNATIONAL BUILDING CODE REVIEW

SECTION 3

USE GROUP: A-2 RESTAURANT
A-3 TRANSPORTATION TERMINAL
M MERCANTILE

SECTION 5

		PERMITTED (A-2)	(A-3)	(M)	PROPOSED
CONSTRUCTION CLASS					VB
SPRINKLER					NFPA13
BUILDING HEIGHT		40FT	40FT	40FT	44 FT
NO. OF STORIES ABOVE GRADE		2	2	2	2
TOTAL BUILDING AREA:	FIRST FLOOR:	20,625 SF	22,500 SF	33,750 S	4,895 SF
	SECOND FLOOR:	20,625 SF	22,500 SF	--	4,877 SF
	TOTAL:				9,772 SF
BUILDING FOOTPRINT:					4,895 SF

506.2.2 QUALIFIES FOR NONSEPARATED OCCUPANCIES PER 508.3.2 AND 508.3.3
506.3 QUALIFIES FOR FRONTAGE INCREASE FACTOR OF 0.75.
508.3.2 THE ALLOWABLE BUILDING AREA, HEIGHT, AND NUMBER OF STORIES SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSTRUCTION (A-2 OCCUPANCY).
508.3.3 NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES.

SECTION 6

FIRE RESISTANCE RATING REQUIREMENTS		**VB**
PRIMARY STRUCTURAL FRAME:		0 HR
BEARING WALLS		
	EXTERIOR:	0 HR
	INTERIOR:	0 HR
NONBEARING WALLS AND PARTITIONS		
	INTERIOR:	0 HR
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS:		0 HR
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS:		0 HR

SECTION 7

703.3.1 MATERIALS REQUIRED TO BE NONCOMBUSTIBLE SHALL BE TESTED IN ACCORDANCE W/ ASTM E136.
704.9 WHERE THE FIRE PROTECTIVE COVERING OF A STRUCTURAL MEMBER IS SUBJECT TO IMPACT DAMAGE FROM MOVING VEHICLES, THE PROTECTIVE COVERING SHALL BE PROTECTED TO A HEIGHT NOT LESS THAN 5 FT.
704.13 SPRAYED FIRE-RESISTANT MATERIALS SHALL COMPLY W/ SECTIONS 704.13.1 THROUGH 704.13.5
705.2 CORNICES, EAVE OVERHANGS, EXTERIOR BALCONIES AND SIMILAR PROJECTIONS EXTENDING BEYOND THE EXTERIOR WALL SHALL CONFORM TO THE REQUIREMENTS OF THIS SECTION
705.2.1 PROJECTIONS FROM WALLS OF TYPE I AND II CONSTRUCTION SHALL BE OF NONCOMBUSTIBLE OR COMBUSTIBLE MATERIALS ALLOWED B SECTIONS 705.2.3.1 AND 705.2.4
705.2.3.1 EXCEPTION 1 ON BUILDINGS OF TYPE I AND II CONSTRUCTION, THREE STORIES OR LESS, FIRE-RETARDANT-TREATED WOOD SHALL BE PERMITTED FOR BALCONIES, PORCHES, DECKS, AND EXTERIOR STAIRWAYS NOT USED AS REQUIRED EXITS.

TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE

	REQUIRED
LESS THAN 30FT	1 HR
MORE THAN 30FT	0 HR

TABLE 705.8 MAXIMUM AREA OF EXTERIOR OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION

	ALLOWABLE AREA
LESS THAN 3FT	--
LESS THAN 5FT	15%
LESS THAN 10FT	25%
LESS THAN 15FT	45%
LESS THAN 20FT	75%
MORE THAN 20FT	NO LIMIT

705.8.5 OPENINGS IN EXTERIOR WALLS SHALL BE SEPARATED VERTICALLY BY NOT LESS THAN 3 FEET.
709 SMOKE BARRIERS SHALL COMPLY WITH SECTION 709
713.4 SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HRS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HR WHEN CONNECTING LESS THAN FOUR STORIES.
713.12 THE TOP OF SHAFT ENCLOSURES EITHER EXTEND TO THE UNDERSIDE OF THE ROOF SHEATHING OR TERMINATE BELOW THE ROOF ASSEMBLY AND BE ENCLOSED AT THE TOP W/ CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHAFT, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

TABLE 716.1 OPENING FIRE PROTECTIONS ASSEMBLIES AND RATINGS

	REQUIRED RATING
SHAFT (1 HR) DOOR	1 HR
PARTITION (1 HR) DOOR	3/4 HR

SECTION 8

TABLE 801.13 INTERIOR FINISH CLASSIFICATIONS

GROUP	INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS, AND EXIT PASSAGES	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS	ROOM AND ENCLOSED SPACES
A-2	B	B	C
A-3	B	B	C
M	B	C	C

SECTION 9

903.2.1.2 AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT STORIES CONTAINING GROUP A-2 OCCUPANCIES AND THROUGHOUT ALL STORIES FROM THE GROUP A-2 OCCUPANCY TO AND INCLUDING THE LEVELS OF EXIT OF DISCHARGE SERVING THAT OCCUPANCY.
903.2.1.3 AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT STORIES CONTAINING GROUP A-3 OCCUPANCIES AND THROUGHOUT ALL STORIES FROM THE GROUP A-3 OCCUPANCY TO AND INCLUDING THE LEVELS OF EXIT DISCHARGE SERVING THAT OCCUPANCY.
903.2.10 (CONDITION 2) AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT BUILDING CLASSIFIED AS PARKING GARAGES WHERE THE ENCLOSED PARKING GARAGE IN ACCORDANCE WITH SECTION 406.6 IS LOCATED BENEATH OTHER GROUPS.
906.1 PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED WITHIN A 30FT TRAVEL DISTANCE FROM COMMERCIAL COOKING EQUIPMENT.
907.2.1 A MANUAL FIRE ALARM SYSTEM THAT ACTIVATED THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE W/ SECTION 907.5 SHALL BE INSTALLED WHERE THE OCCUPANT LOAD IS MORE THAN 100 PERSONS ABOVE THE LOWEST LEVEL OF DISCHARGE.

SECTION 10

TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES

A-2 (RESTAURANT)	15 SF/PERSON
COMMERCIAL KITCHEN	200 SF/PERSON
A-3 (AIRPORT TERMINAL - CONCOURSE)	100 SF/PERSON
M (MERCANTILE)	60 SF/PERSON
MAXIMUM OCCUPANT LOAD	173 PERSONS

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

	MAXIMUM OCCUPANTS	MAXIMUM TRAVEL DISTANCE
A	49	75 FT
M	49	75 FT

TABLE 1006.3.3 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY

1-500 PERSONS	2 EXITS

1007.1.1 EXIT SEPARATION DISTANCE

DIAGONAL DISTANCE OF BUILDING	MINIMUM EXIT SEPARATION DISTANCE	PROPOSED EXIT SEPARATION DISTANCE
104'-5"	34'-10"	46'-7"

1009.3.2 EXCEPTION 1 THE CLEAR WIDTH OF 48" BETWEEN HANDRAILS IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE W/ SECTION 903.3.1.1 OR 903.3.1.2.
1009.3.3 STAIRWAYS SHALL EITHER INCORPORATE AN AREA OF REFUGE WITHIN AN ENLARGED FLOOR-LEVEL LANDING OR SHALL BE ACCESSED FROM AN AREA OF REFUGE COMPLYING W/ SECTION 1009.6

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE

	DISTANCE
A	250 FT
M	250 FT

TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING: 0 HR
TABLE 1020.3 MINIMUM CORRIDOR WIDTH: 44 IN.
1020.5 IN GROUPS A-2, A-3, AND S-2 DEAD END CORRIDORS SHALL NOT EXCEED 20 FT. IN GROUP M DEAD END CORRIDORS SHALL NOT EXCEED 50 FT.

SECTION 11

1102.1 BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE WITH ICC A117.1 AMENDED BY THE IBC, NJ EDITION.
1104.4 LARGE BUILDING SHALL PROVIDE ACCESSIBLE FEATURES REQUIRED OF SMALL BUILDINGS IN SECTION 1104.4.1 AND SHALL BE REQUIRED TO HAVE AN ELEVATOR TO PROVIDE A VERTICAL ACCESSIBLE ROUTE BETWEEN FLOORS.
1105.1 AT LEAST 60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE

TABLE 1106.2 ACCESSIBLE PARKING SPACES

TOTAL PARKING SPACES PROVIDED	MINIMUM NUMBER REQUIRED TO BE ACCESSIBLE
1-25	1
26-50	2
51-75	3
75-100	4
101-150	5
151-200	6

1106.6 FOR EVERY SIX OR FRACTION OF SIX ACCESSIBLE PARKING SPACES, AT LEAST ONE SHALL BE VAN-ACCESSIBLE.
1110.2 EACH TOILET ROOM AND BATHING ROOM SHALL BE ACCESSIBLE. AT LEAST ONE OF EACH TYPE OF FIXTURE, ELEMENT, CONTROL OR DISPENSER IN EACH ACCESSIBLE TOILER ROOM AND BATHING ROOM SHALL BE ACCESSIBLE.
1110.4 WHERE KITCHENS AND KITCHENETTES ARE PROVIDED IN ACCESSIBLE SPACES OR ROOMS, THEY SHALL BE ACCESSIBLE.
1112.1 REQUIRED ACCESSIBLE ELEMENTS LISTED IN 1112.1 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY

SECTION 12

1202.1 BUILDINGS SHALL BE PROVIDED W/ NATURAL VENTILATION IN ACCORDANCE W/ SECTION 1202.5, OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE IMC.
1204.3 ARTIFICIAL LIGHT SHALL BE PROVIDED THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOTCANDLES OVER THE AREA OF A ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL.
1208.1 HABITABLE SPACES, OTHER THAN A KITCHEN SHALL NOT BE LESS THAN 7 FT IN ANY PLAN DIRECTION. KITCHENS SHALL HAVE A CLEAR PASSAGEWAY OF NOT LESS THAN 3 FT BETWEEN COUNTER FRONTS AND APPLIANCES OR COUNTER FRONTS AND WALLS.
1208.2 OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FT.

SECTION 14

REFER TO WALL SECTIONS ILLUSTRATING COMPLIANCE W/ THE REQUIREMENTS FOR EXTERIOR WALLS.

SECTION 15

TABLE 1502.2 CLASSIFICATION OF STEEP SLOPE ROOF SHINGLES

MAX BASIC WIND SPEED	MAX ALLOWABLE STRESS DESIGN WIND SPEED	ASTM D7158 CLASS	ASTM D3161 CLASS
129 MPH	100 MPH	G OR H	A, D OR F

TABLE 1505.1 MINIMUM ROOF COVERING CLASSIFICATION (VB CONSTRUCTION): C

SECTION 16

TABLE 1604.5 RISK CATEGORY: II

TABLE 1607.1 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

OCCUPANCY	UNIFORM
ASSEMBLY AREAS	
(LOBBIES)	100 PSF
(MOVABLE SEATS)	100 PSF
BALCONIES & DECKS	1.5X LIVE LOAD OF AREA SERVED, NOT TO EXCEED 100 PSF.
CORRIDORS	100 PSF
RESTAURANTS	100 PSF
ROOF	20 PSF
STAIRS & EXITS	100 PSF

FIGURE 1608.2(2) GROUND SNOW LOADS: 20 PSF
FIGURE 1609.3(1) BASIC WIND SPEED FOR RISK CATEGORY IV: 140 MPH
1609.4.2 RISK CATEGORY IS: SURFACE ROUGHNESS D
1609.4.3 EXPOSURE CATEGORY IS: EXPOSURE D

1613.2.1(2) 0.2-SECOND SPECTRAL RESPONSE ACCELERATION: S_1=12.5%
1613.2.1(4) 1-SECOND SPECTRAL RESPONSE ACCELERATION: S_S=4%

TABLE 1613.2.3(1) VALUES OF SITE COEFFICIENT Fa [1]

SITE CLASS	D
S_S<0.25	1.6

TABLE 1613.2.3(2) VALUES OF SITE COEFFICIENT Fv [1]

SITE CLASS	D
S_S	2.4

1613.2.3 SITE ADJUSTED MAXIMUM CONSIDERED EARTHQUAKE SPECTRAL RESPONSE ACCELERATION
SMS = (.125)(.16) = 0.20 [EQUATION 16-20]
SM1 = (.04)(2.4) = 0.96 [EQUATION 16-21]

1613.2.4 FIVE-PERCENT DAMPED DESIGN SPECTRAL RESPONSE ACCELERATION
SDS = (2/3)(.20) = 0.133 [EQUATION 16-22]
SD1 = (2/3)(0.96) = 0.064 [EQUATION 16-23]

TABLE 1613.2.5(1) SEISMIC DESIGN CATEGORY BASED ON SHORT PERIOD RESPONSE ACCELERATION

VALUE OF SDS	0.133
SEISMIC DESIGN CATEGORY	A

TABLE 1613.2.5(2) SEISMIC DESIGN CATEGORY BASED ON 1-SECOND PERIOD RESPONSE ACCELERATION

VALUE OF SD1	0.064
SEISMIC DESIGN CATEGORY	A

THERMAL ENVELOPE REQUIRMENTS

OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R VALUE
ROOFS		
ATTIC AND OTHER	U-0.021	R-49
WALLS ABOVE GRADE		
WOOD-FRAMED AND OTHER	U-0.064	R-20
FLOORS		
WOOD FRAMED AND OTHER	U-0.033	R-30
SLAB-ON-GRADE FLOORS		
UNHEATED	F-0.520	R-15 FOR 24 IN.
OPAQUE DOORS		
SWINGING	U-0.370	
NONSWINGING	U-O.310	

FENESTRATION	ASSEMBLY MAX. U	ASSEMBLY MAX. SHGC	ASSEMBLY MIN. VTISHGC
VERTICAL FENESTRATION, 0% TO 40% OF WALL			
FIXED	0.36	0.36	1.10 (FOR ALL TYPES)
OPERABLE	0.45	0.33	
ENTERANCE DOOR	0.63	0.33	

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

BUILDING CODE ANALYSIS & ABBREVIATIONS

Scale	12" = 1'-0"
Drawn by	WSZ
Date	08.28.26

G1.00

Comission no. 25023O

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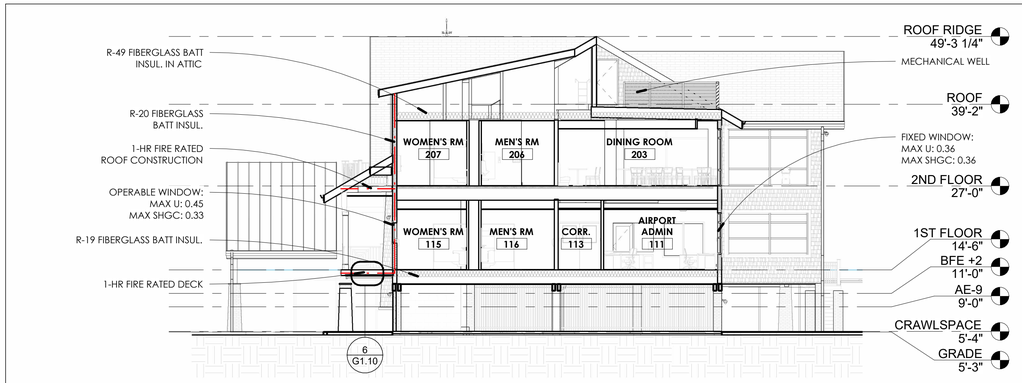
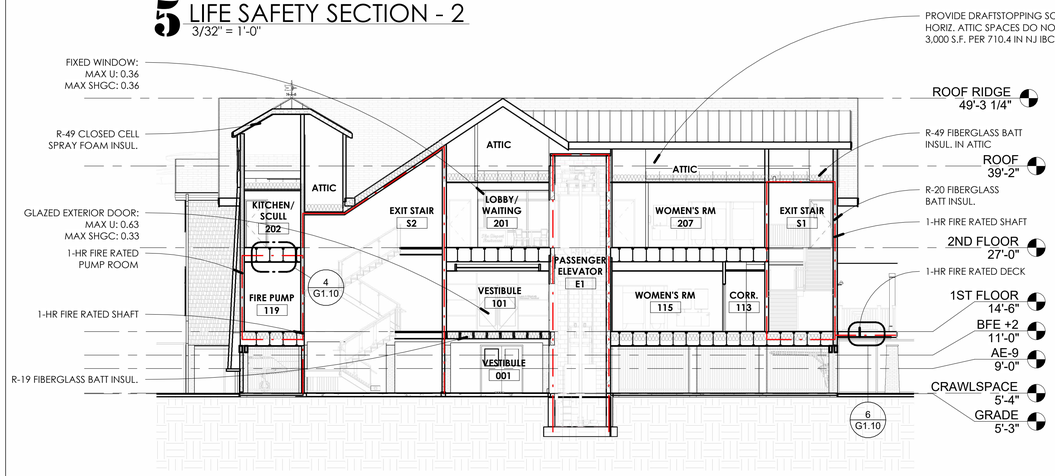
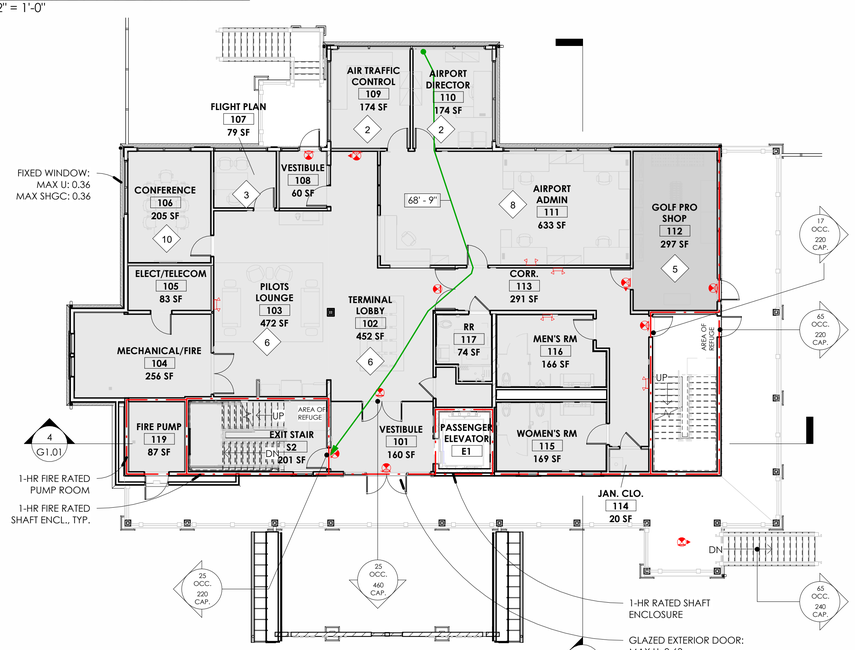


5 LIFE SAFETY SECTION - 2
3/32" = 1'-0"

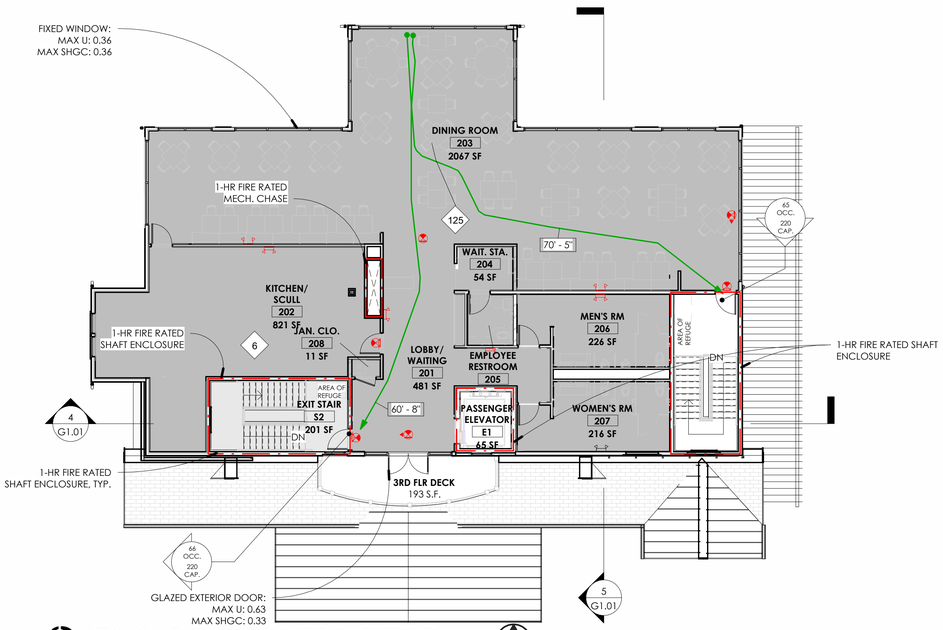


4 LIFE SAFETY SECTION - 1
3/32" = 1'-0"



2 FIRST FLOOR FIRE SAFETY PLAN
3/32" = 1'-0"

PLAN NORTH



3 SECOND FLOOR LIFE SAFETY PLAN
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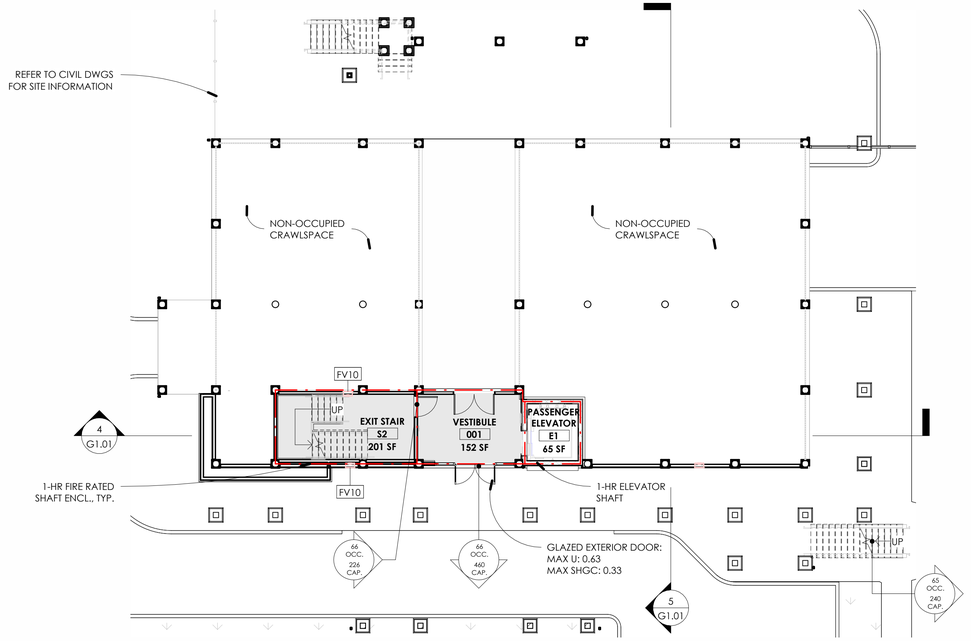
PLAN NORTH



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

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
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BID ISSUE

No.	Description	Date

LIFE SAFETY PLANS & SECTIONS

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

G1.01

Comission no. 25023O

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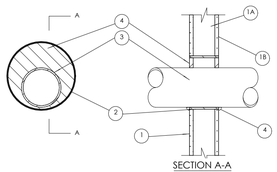
SYSTEM NO. W-L-1164
F RATINGS - 1 AND 2 HR (SEE ITEMS 1 AND 4)
T RATING - 0 HR



SECTION A-A

1. WALL ASSEMBLY: THE 1 OR 2 HR. FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGN IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2X4 IN. LUMBER SPACED 16 IN. O.C. STEEL TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C. WHEN STEEL STUDS ARE USED AND THE DIA. OF OPENING EXCEEDS THE WIDTH OF THE STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAMETER OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.

B. GYPSUM BOARD* - THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIA. OF OPENING IN STEEL STUD WALLS IN 32 IN. MAX. DIA. OF OPENINGS IN WOOD STUD WALLS IS 14-1/2 IN.

THE HOURLY F,FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH ITS INSTALLED.

2. STEEL SLEEVE - NOM. 32 IN. DIA. SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE FRICTION FIT IN NOM. 32 IN. DIA. CIRCULAR OPENING CUT THROUGH GYPSUM BOARD LAYERS. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL.

3. 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 THE STEEL SLEEVE SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX. 1-7/8 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. 30 IN. DIA. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE

B. IRON PIPE - NOM. 30 IN. DIA. (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

C. CONDUIT - NOM. 4 IN. DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

D. COPPER TUBING - NOM. 6 IN. DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

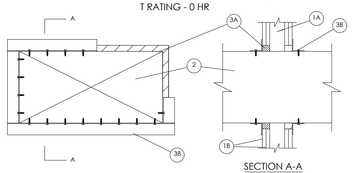
E. COPPER PIPE - NOM. 6 IN. DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

4. FILL, VOID OR CAVITY MATERIAL*- SEALANT - MIN. 5/8 IN. AND 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY FOR 1 OR 2 HR. RATED WALLS, RESPECTIVELY, MIN. 1/2 IN. DIA. BEAD OF CAULK APPLIED TO THE PENETRANT/GYPSUM BOARD INTERFACE AT THE POINT CONTACT LOCATION ON BOTH SIDES OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV. OF HILTI INC. - FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

SYSTEM NO. W-L-7040
F RATINGS - 1 AND 2 HR (SEE ITEMS 1 AND 3)
T RATING - 0 HR



SECTION A-A

1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2X4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. ADDITIONAL FRAMING MEMBERS SHALL BE USED TO COMPLETELY FRAME AROUND OPENING.

B. GYPSUM BOARD* - NOM 5/8 IN. THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN NUMBER. MAX AREA OF OPENING IS 1300 IN ^{2}. WITH THE DIMENSION OF 50 IN. THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. STEEL DUCT - NOM. 24 IN. BY 48 IN. (OR SMALLER) NO. 24 GAUGE (OR HEAVIER) GALV STEEL DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. [POINT CONTACT] TO A MAX 2 IN. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

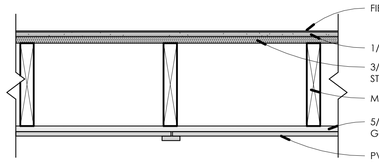
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS
FLUSH WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATION, A MIN 1/2 IN. DIAMETER BEAD OF FILL
MATERIAL SHALL BE APPLIED TO THE WALL/DUCT INTERFACE ON BOTH SIDES OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI, INC -
FS-ONE SEALANT, FS-ONE MAX INTUMESCENT SEALANT, CP601S ELASTOMERIC FIRESTOP SEALANT
OR CP606 FLEXIBLE SEALANT

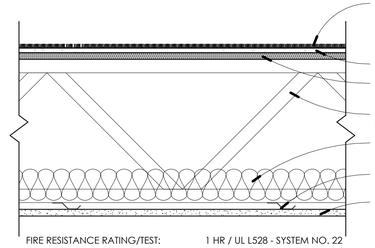
B. STEEL RETAINING ANGLE - No. 18 MSG GALV. STEEL ANGLES CUT TO FIT CONTOUR OF DUCT WITH A 2 IN.
OVERLAP ON THE DUCT AND A MIN. 1 IN. OVERLAP ON THE GYPSUM BOARD ASSEMBLY ON BOTH SURFACES
OF WALL 2 IN. LEG OF ANGLE SECURED TO DUCT WITH MIN. No. 8 BY 3/4 IN. LONG SHEET METAL SCREWS,
SPACED A MAX. OF 6 IN. O.C. WHEN BEAD FILL MATERIAL IS USED AT JOINT CONTACT LOCATIONS,
ANGLES SHALL BE INSTALLED PRIOR TO FULL MATERIAL CURING.

*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.



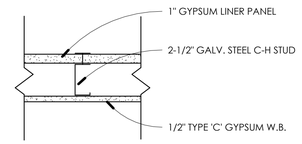
FIRE RESISTANCE RATING/TEST: 1 HR / UL L501 - SYSTEM 23
STC RATING: 38
IIC RATING: 32

6 1-HR RATED DECK ASSEMBLY
1 1/2" = 1'-0"



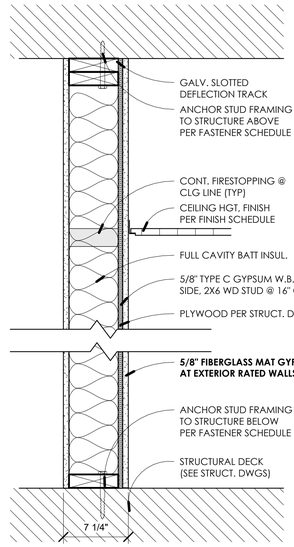
FIRE RESISTANCE RATING/TEST: 1 HR / UL L528 - SYSTEM NO. 22
STC RATING: 59
IIC RATING: 54

4 1-HR RATED FLOOR/CEILING
1 1/2" = 1'-0"



FIRE RESISTANCE RATING/TEST: 1 HR / AER-09038

3 1-HR SHAFT ASSEMBLY
1 1/2" = 1'-0"



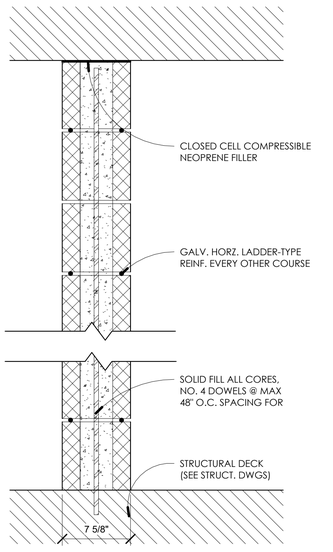
161 FIRE RESISTANCE RATING/TEST: 1-HR / SIMILAR TO U305
NON-BEARING LIMITING HGT: 19'-11"
STC RATING: --

2 SHEAR/EXTERIOR WALL DETAIL
1 1/2" = 1'-0"

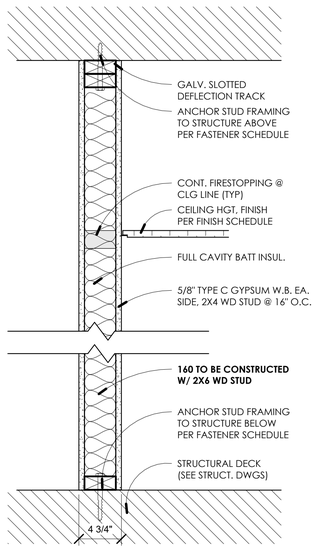
SHEET NOTES:

1. ALL PARTITIONS WITHIN FLOODPLAIN TO RECEIVE AQUA TOUGH A.R. BOARD.

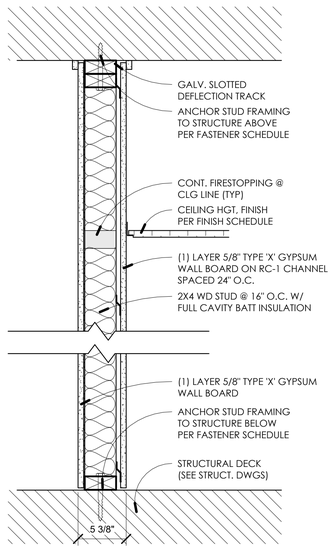
5 FIRESTOPPING DETAILS
1" = 1'-0"



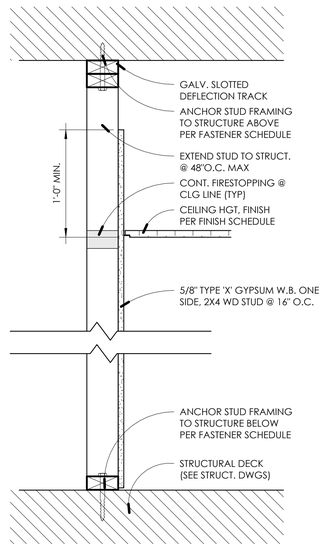
180 FIRE RESISTANCE RATING/TEST: 1 HR / MIN. 2.3" NOMINAL THICKNESS
NON-BEARING LIMITING HGT: -
STC RATING: -



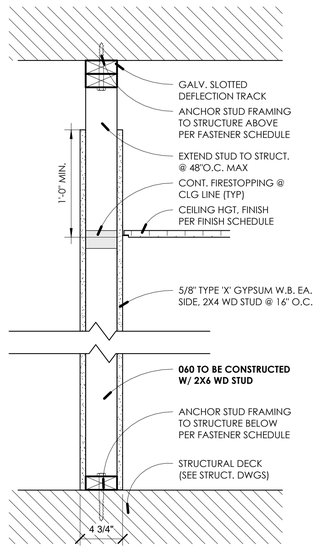
140 FIRE RESISTANCE RATING/TEST: 1-HR / U305
NON-BEARING LIMITING HGT: 19'-11"
STC RATING: 34



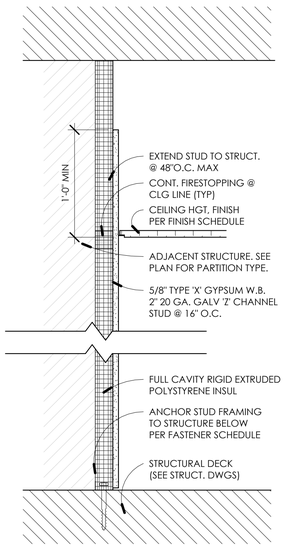
042 FIRE RESISTANCE RATING/TEST: --
NON-BEARING LIMITING HGT: 19'-11"
STC RATING: 50



041 FIRE RESISTANCE RATING/TEST: --
NON-BEARING LIMITING HGT: 19'-11"
STC RATING: --



040 FIRE RESISTANCE RATING/TEST: --
NON-BEARING LIMITING HGT: 19'-11"
STC RATING: --



020 FIRE RESISTANCE RATING/TEST: --
NON-BEARING LIMITING HGT: --
STC RATING: --

1 TYPICAL PARTITION TYPES
1 1/2" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

LIFE SAFETY ASSEMBLIES

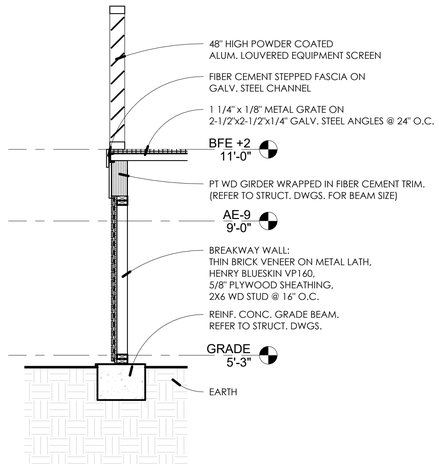
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

G1.10

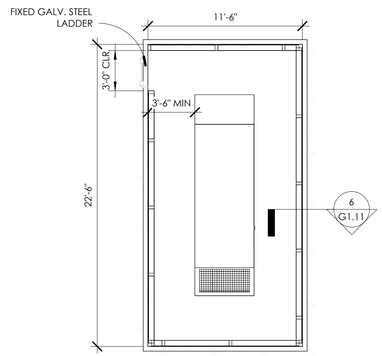
Comission no. 25023O

8/28/2026 9:49:05 AM

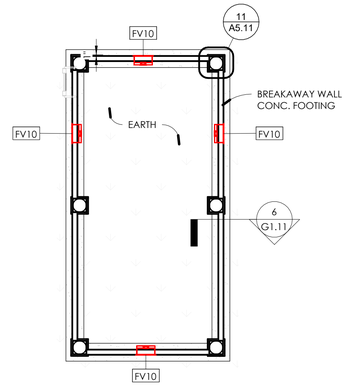
W:\wmarch\data\25023 - OC Airport\Drawings\Revit\025OC AIRPORT - BASE VEG.rvt



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



5 GENERATOR PLAN - BFE +2
3/16" = 1'-0"



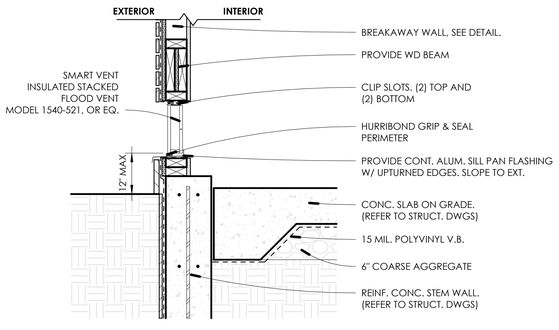
4 GENERATOR PLAN - GRADE
3/16" = 1'-0"

FLOOD VENT CALCULATIONS

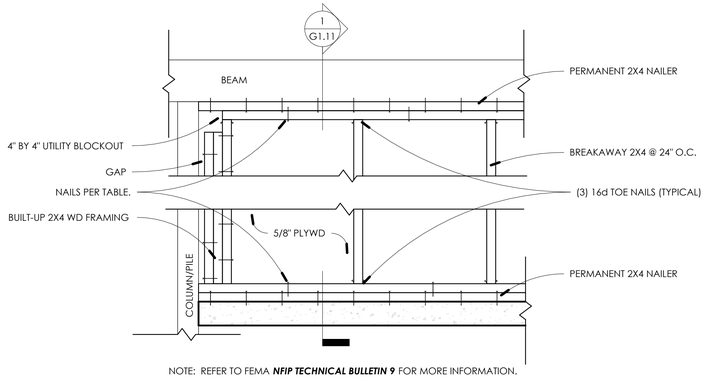
ROOM NUMBER	ROOM NAME	AREA	DRY/WET FLOOD PROOFED	NUMBER OF SINGLE FLOOD VENT	AREA OF SINGLE FLOOD VENT	DOOR FLOAT SWITCH
001	VESTIBULE	152 SF	WET	2	77 S.F.	--
E1	PASSENGER ELEVATOR	65 SF	N/A	--	--	Y
S2	EXIT STAIR	201 SF	WET	2	101 S.F.	--

FLOOD VENT TYPES

MARK	DESCRIPTION	MANUFACTURER	MODEL	NOTES
FV10	FLOOD VENT - SINGLE	SMARTVENT	1540-520	PROVIDE 2 HR FIRE DAMPER MODEL #1540-530



3 FLOOD VENT DETAIL
1" = 1'-0"

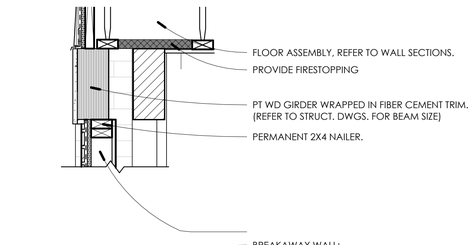


NOTE: REFER TO FEMA ***NFIP TECHNICAL BULLETIN 9*** FOR MORE INFORMATION.

2 BREAKAWAY WALL DETAIL - ELEVATION
1" = 1'-0"

BREAKAWAY WALL HEIGHT (FEET)	PILE SPACING (FEET)	NAIL SIZE	NUMBER OF NAILS[1]
7	8	8d	22
		10d	14
	10	8d	28
		10d	18
	12	8d	32
		10d	22
8	8	8d	24
		10d	16
	10	8d	32
		10d	20
	12	8d	38
		10d	24

1. DIVIDED EQUALLY BETWEEN TOP AND BOTTOM AND EVENLY SPACED; NAILS MUST NOT BE USED ALONG PANEL SIDES



1 BREAKAWAY WALL DETAIL - SECTION
1" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization #
21AC00055500

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FLOOD PROTECTION DETAILS & GENERATOR PLATFROM

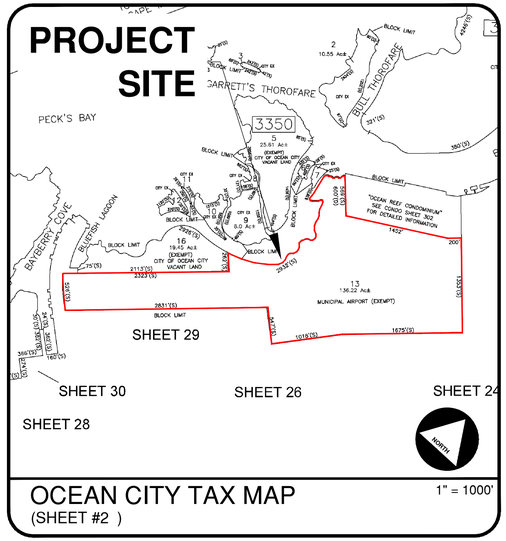
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

G1.11

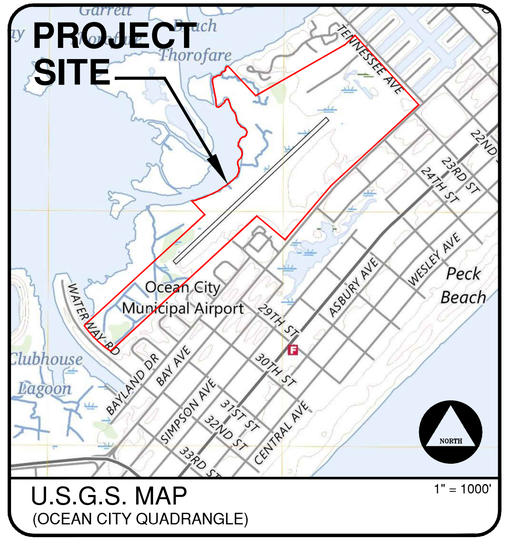
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25023OC AIRPORT - BASE V22.rvt
8/28/2026 9:49:49 AM

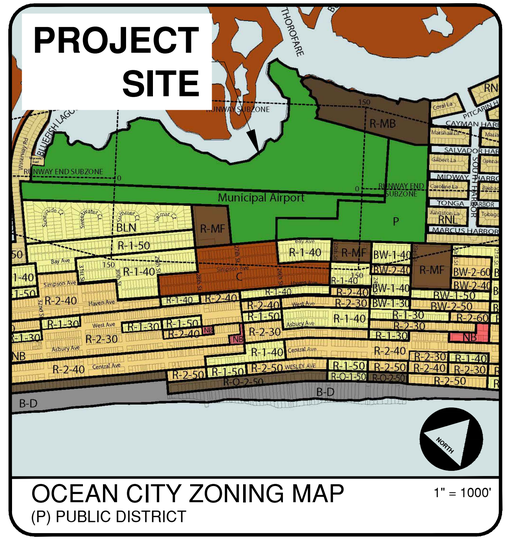
GENERAL LOCATION
(CAPE MAY COUNTY AERIAL)
1" = 500'



OCEAN CITY TAX MAP
(SHEET #2)
1" = 1000'



U.S.G.S. MAP
(OCEAN CITY QUADRANGLE)
1" = 1000'



OCEAN CITY ZONING MAP
(P) PUBLIC DISTRICT
1" = 1000'

OCEAN CITY AIRPORT
OCEAN CITY
CAPE MAY COUNTY, NEW JERSEY

MAYOR & CITY COUNCIL

JAY A. GILLIAN, MAYOR

CITY COUNCIL
TERRY CROWLEY JR., COUNCIL PRESIDENT
DAVE WINSLOW, VICE PRESIDENT
SEAN BARNES
JIM KELLY
TONY POLCINI
KEITH HARTZELL
JODY LEVCHUK

KNOW WHAT'S BELOW
CALL BEFORE YOU DIG
OR
1-800-272-1000
NEW JERSEY ONE CALL
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT NJ ONE CALL PRIOR TO THE START OF CONSTRUCTION. CALL FOR MARKOUTS IN ADVANCE AND BEGIN EXCAVATION WITHIN ALLOWABLE TIMEFRAME. ALL CONTRACTORS ON-SITE MUST HAVE THEIR OWN MARKOUT.

OCEAN CITY AIRPORT

ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	AS - BUILT QUANTITY
1	SITE CLEARING, DEMOLITION & MOBILIZATION	LS	1	
2	EXCAVATION, VARIABLE DEPTH	SY	1,660	
3	HMA MILLING, 4" OR LESS	SY	1,410	
4	HOT MIX ASPHALT 12.5 M64 SURFACE COURSE, 2" THICK	TON	250	
5	HOT MIX ASPHALT 19 M64 BASE COURSE, 2" THICK	TON	55	
6	DENSE GRADED AGGREGATE BASE, 6" THICK	SY	650	
7	CONCRETE VERTICAL CURB, 6" HEIGHT	LF	800	
8	PARKING SPACE AND ARROW STRIPING	LS	1	
8A	DOUBLE YELLOW STRIPING	LF	130	
8B	ADA PARKING SIGNS	EA	5	
8C	R1-1 STOP SIGN & 24" STOP BAR	EA	5	
9	A INLET	EA	2	
10	B INLET	EA	5	
11	CONCRETE SIDEWALK, 4" THICK	SY	500	
12	CONNECT PROPOSED INLET	EA	1	
13	15" Ø HDPE PIPE	LF	310	
14	RESET VALVE	EA	5	
15	TOP SOIL & SEED, 6" THICK	SY	435	
16A	PROPOSED WATER LATERAL - 6" C900 (FIRE)	LF	135	
16B	PROPOSED WATER LATERAL - 2" C900 (DOMESTIC)	LF	135	
16C	PROPOSED GAS LATERAL	LF	20	
16D	PROPOSED SANITARY SEWER LATERAL - 4" PVC	LF	233	
16E	REMOVE SANITARY SEWER LATERAL	LF	145	
17	ROADWAY REPAIR	LS	1	
18	RELOCATE EXISTING SIGN	EA	2	
19	RELOCATE WOODEN FENCE	LF	40	
20	ROADWAY EXCAVATION UNCLASSIFIED IF AND WHERE DIRECTED	CY	50	
21	DENSE GRADED AGGREGATE BASE COURSE IF AND WHERE DIRECTED	CY	50	
22	FUEL PRICE ADJUSTMENT ALLOWANCE	LS	$5,000	
23	ASPHALT PRICE ADJUSTMENT ALLOWANCE	LS	$5,000	

Public District - P

Description	Required	Existing	Proposed
Lot Area	Not Applicable	Not Applicable	Not Applicable
Lot Width	Not Applicable	Not Applicable	Not Applicable
Front Yard	22'	223.9'	95.21'
Rear Yard (44.02' Building Height)	17.6'	± 838'	± 922'
Side Yard	10'	± 312'	± 313'
Total Side Yard	24'	± 2606'	± 2569'
Floor Area Ratio	Not Applicable	Not Applicable	Not Applicable
Lot Coverage	Not Applicable	Not Applicable	Not Applicable
Impervious Coverage	Not Applicable	Not Applicable	Not Applicable
Parking Spaces Required	1 space / 4 employees total (15) 1 space / 20 persons (156) 1 space / 6 seats (116) Golf Course 15 persons max 43 SPACES REQUIRED	130 Spaces	117 Spaces

SCHEDULE OF SHEETS

	SHEET NUMBER	ORIGINAL DATE	LAST REVISION DATE
COVER SHEET	1 OF 9	8/21/26	---
EXISTING CONDITIONS	2 OF 9	8/21/26	---
DEMOLITION PLAN	3 OF 9	8/21/26	---
LAYOUT PLAN	4 OF 9	8/21/26	---
GRADING & DRAINAGE PLAN	5 OF 9	8/21/26	---
UTILITY PLAN	6 OF 9	8/21/26	---
SOIL EROSION & SEDIMENT CONTROL PLAN	7 OF 9	8/21/26	---
DETAILS	8 OF 9	8/21/26	---
SOIL EROSION & SEDIMENT CONTROL NOTES	9 OF 9	8/21/26	---

GENERAL NOTES:

1. NJDOT Standard Roadway Construction/Traffic Control/Bridge Construction Details Booklet - 2019, are applicable to this project except for those details contained herein.
2. NJDOT Updated Standard Specs for Road & Bridge Construction 2019 Edition as amended, to govern.
3. NJDOT standard construction details to govern over all materials, equipment and procedures.
4. Contractor shall have all utilities located prior to construction.
5. All excess excavated materials are to remain the property of the City and delivered to the City Public Works yard (if requested).
6. Outbound and topographic information was taken from a plan entitled "Topographic Survey Situate In Block 3350, Lot 13, City of Ocean City, Cape May County, NJ" prepared by George Swenson NJPLS GS43415 of Cape Land Surveying, LLC, dated 11/20/25.

Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 ◦ Fax (609) 390-9204 ◦ www.engineeringdesign.com ◦ CERTIFICATE OF AUTHORIZATION# 24GA27970300

OCEAN CITY AIRPORT SITE PLAN
BLOCK 3350 LOT 13
OCEAN CITY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

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REVISION	DATE	BY

DATE: 8/21/26	DRAWN BY: PMMc
SCALE: AS NOTED	CHECKED BY: MSB
PROJECT #: 10875	SHEET: 1 OF 9

)NDOMINIUM–
'707

N49°57'39"W — 521.92'

–PART OF–
BLOCK 3350
LOT 13

MASONRY BUILDING
1 STORY FRAME BUILDING
Finished Floor Elev= 7.2'
–NAVD 88 G18–
Antenna
Shed
Stone
Guy Wire
Boat
Timber Railroad Tie
Stone
Sign
Chain Link Fence
Overhead Wire
Trash Area
Key Code Box
Concrete
Gas Lateral
Cap
Electric Box
Wood Fence
–Asphalt Parking Lot–
–Golf Course–
24" H.D.P.E.
18" H.D.P.E.
15" H.D.P.E.
6" P.V.C.
Inlet
Concrete Curb
Concrete Sidewalk
Light Pole
Manhole
Temp Pole
Fire Hydrant
Protective Netting
Pin Found
S40°02'21"W
BENCHMARK Nail and Washer Set in Utility Pole Elev. 10.0 NAVD 88 Geoid No. 18
BAY (75' WIDE) AVENUE

Outbound and topographic information was taken from a plan entitled "Topographic Survey Situate In Block 3350, Lot 13, City of Ocean City, Cape May County, NJ" prepared by George Swenson NJPLS GS43415 of Cape Land Surveying, LLC, dated 11/20/25.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

12" Metal Inlet

EXISTING CONDITIONS

EDA Engineers - Landscape Architects - Planners

EDA Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 – Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 24GA27971000

EXISTING CONDITIONS PLAN
BLOCK 3350 LOT 13
OCEAN CITY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

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REVISION	DATE	BY

EDA

DATE: 8/21/26	DRAWN BY: PMMc
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: 10875	SHEET: 2 0F 9

EXISTING BUILDING TO REMAIN IN OPERATION DURING CONSTRUCTION

CURB TO REMAIN

–PART OF–

KEY CODE BOX TO REMAIN

FENCE TO REMAIN

29 LF OF EX. 18" HDPE PIPE TO BE REMOVED TO NEW INLET LOCATION

FENCE/ TRASH AREA TO REMAIN

SIGN TO REMAIN

EXISTING ISLAND & MULCH BED TO REMAIN (TYP.)

MILL 2" OF EXISTING ASPHALT; FULL DEPTH EXCAVATION WHERE NOTED

3 1,410 SY

CURB TO REMAIN

SIGN TO REMAIN

GAS LINE TO BE PROTECTED DURING CONSTRUCTION. IF CONFLICT ARISES DURING CONSTRUCTION, THE ENGINEER SHOULD BE CONTACTED

SIGN TO REMAIN

CURB TO REMAIN

LIMIT OF MILLING

SAWCUT ALONG FENCELINE

LIMIT OF MILLING (TYP.)

EX. CONCRETE TO REMAIN

AREA OF FULL DEPTH EXCAVATION FOR BUILDING 1660 SY 2

INLET TO BE REMOVED (TYP.)

GAS CAP TO BE REMOVED?

RAILROAD TIES TO BE REMOVED

ISLAND TO BE REMOVED (TYP.)

EX. WATER & SEWER VALVES FOR FOOD TRUCK TO REMAIN

EX. ELECTRICAL CONNECTION FOR FOOD TRUCK TO REMAIN

EX. CONCRETE TO BE REMOVED POST-CONSTRUCTION

RELOCATE PORTION OF FENCE

SIGN TO REMAIN

CURB TO BE REMOVED

CURB TO REMAIN

NOTES:
1. LINE ITEM #1 TO INCLUDE ALL DEMOLITION, INCLUDING BUT NOT LIMITED TO, THE REMOVAL AND DISPOSAL OF CURBING, INLETS, PIPING, UTILITIES, SIGNAGE, AND ANY OTHER FEATURES WITHIN THE SCOPE OF WORK. EXCAVATION & MILLING CAN BE QUANTIFIED IN LINE ITEMS #2 & #3, RESPECTIVELY.
2. EXISTING AIRPORT BUILDING TO REMAIN IN OPERATION DURING CONSTRUCTION.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

DEMOLITION PLAN

EDA Engineers - Landscape Architects - Planners

Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 ◦ Fax (609) 390-9204 ◦ www.engineeringdesign.com ◦ CERTIFICATE OF AUTHORIZATION# 24GA27970300

DEMOLITION PLAN
BLOCK 3350 LOT 13
OCEAN CITY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

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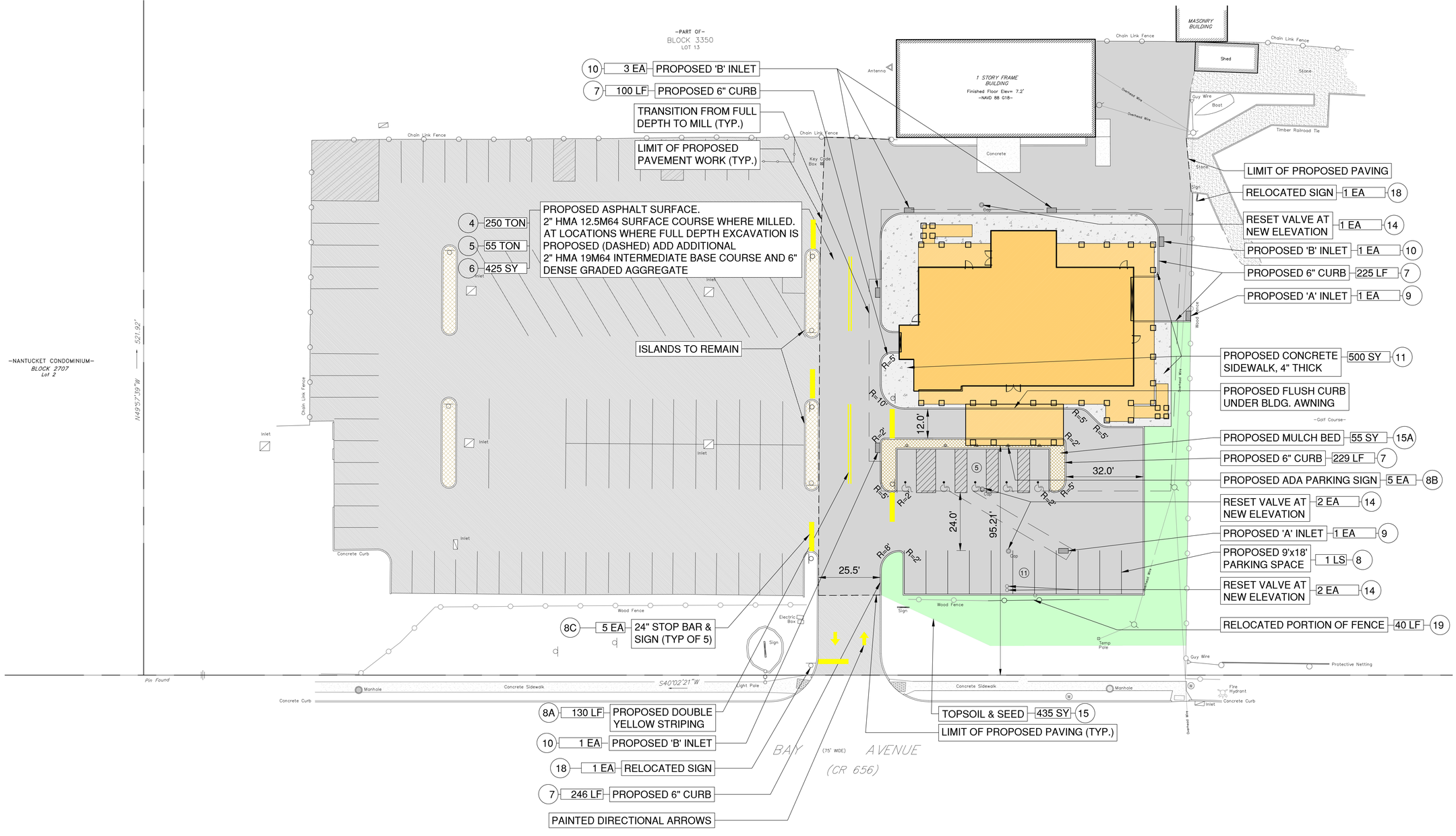
REVISION	DATE	BY

DATE: 8/21/26	DRAWN BY: PMMc
SCALE: AS NOTED	CHECKED BY: MSB
PROJECT #: 10875	SHEET: 3 0F 9



GRAPHIC SCALE

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(IN FEET)
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LAYOUT PLAN

EDA Engineers - Landscape Architects - Planners

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CAPE MAY COUNTY, NEW JERSEY

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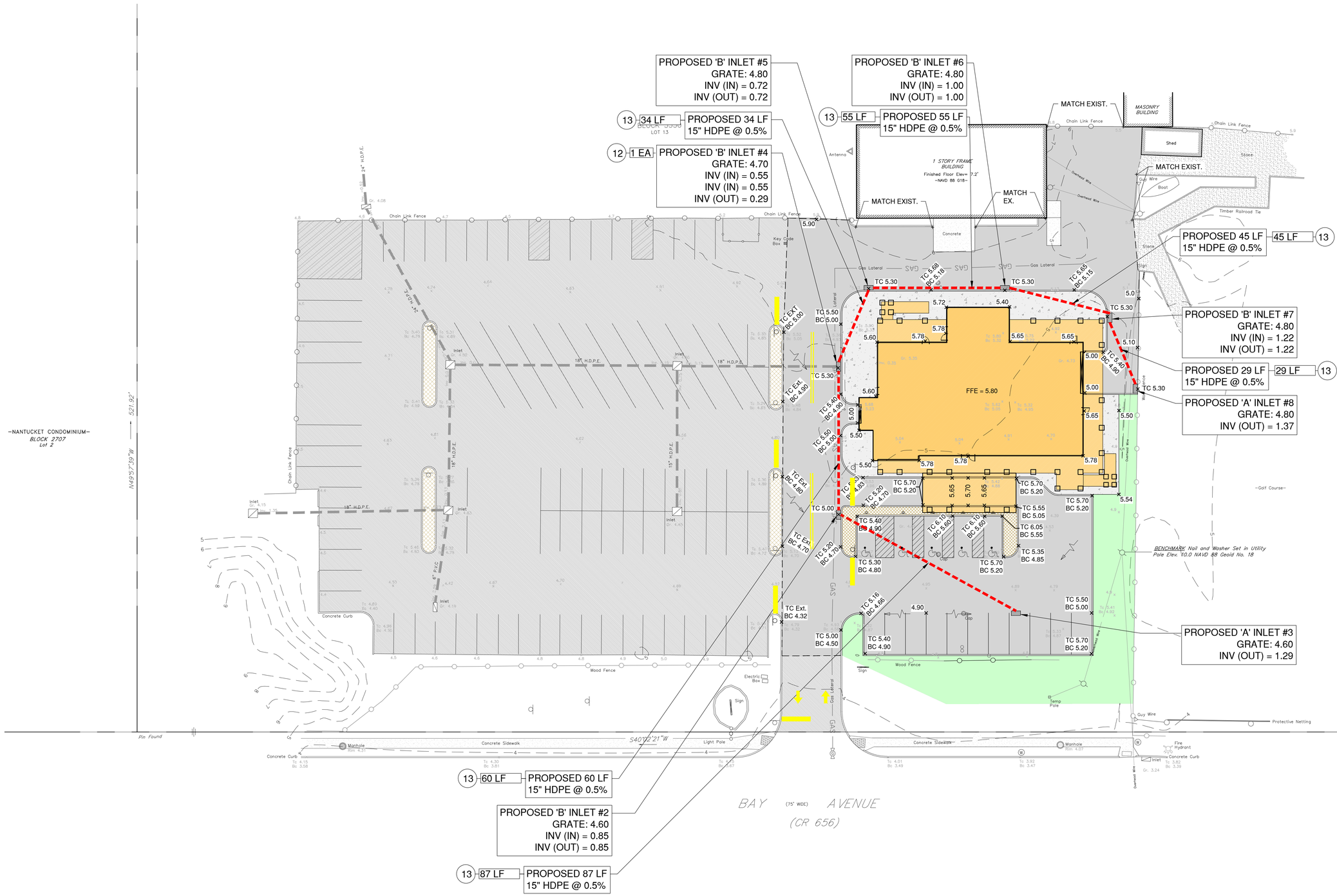

GRADING & DRAINAGE PLAN

EDA Engineers - Landscape Architects - Planners

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
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LEGEND

x Tc 3.92 Bc 3.47	EXISTING SPOT ELEVATION
x TC 5.40 BC 4.90	PROPOSED SPOT ELEVATION

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GRADING & DRAINAGE PLAN
BLOCK 3350 LOT 13
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CAPE MAY COUNTY, NEW JERSEY

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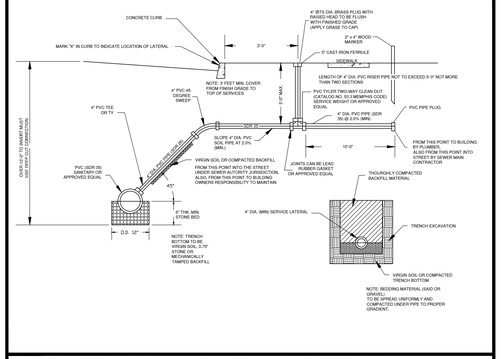
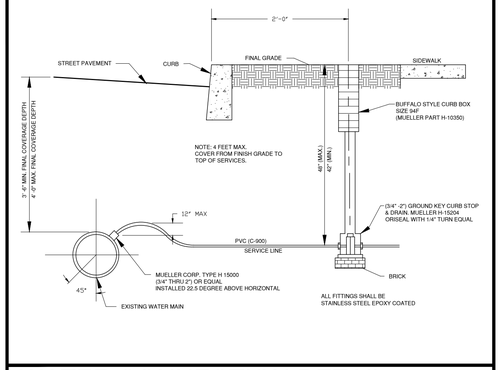


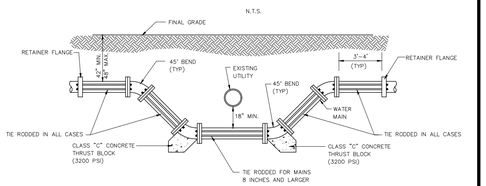
SEWER CONNECTION DETAIL

N.T.S.



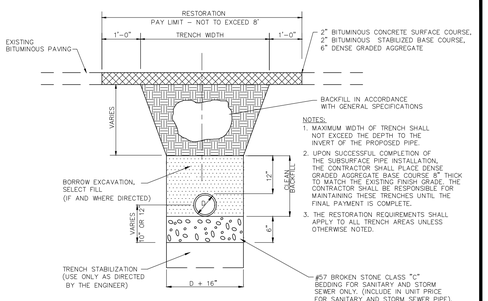
WATER CONNECTION DETAIL

N.T.S.



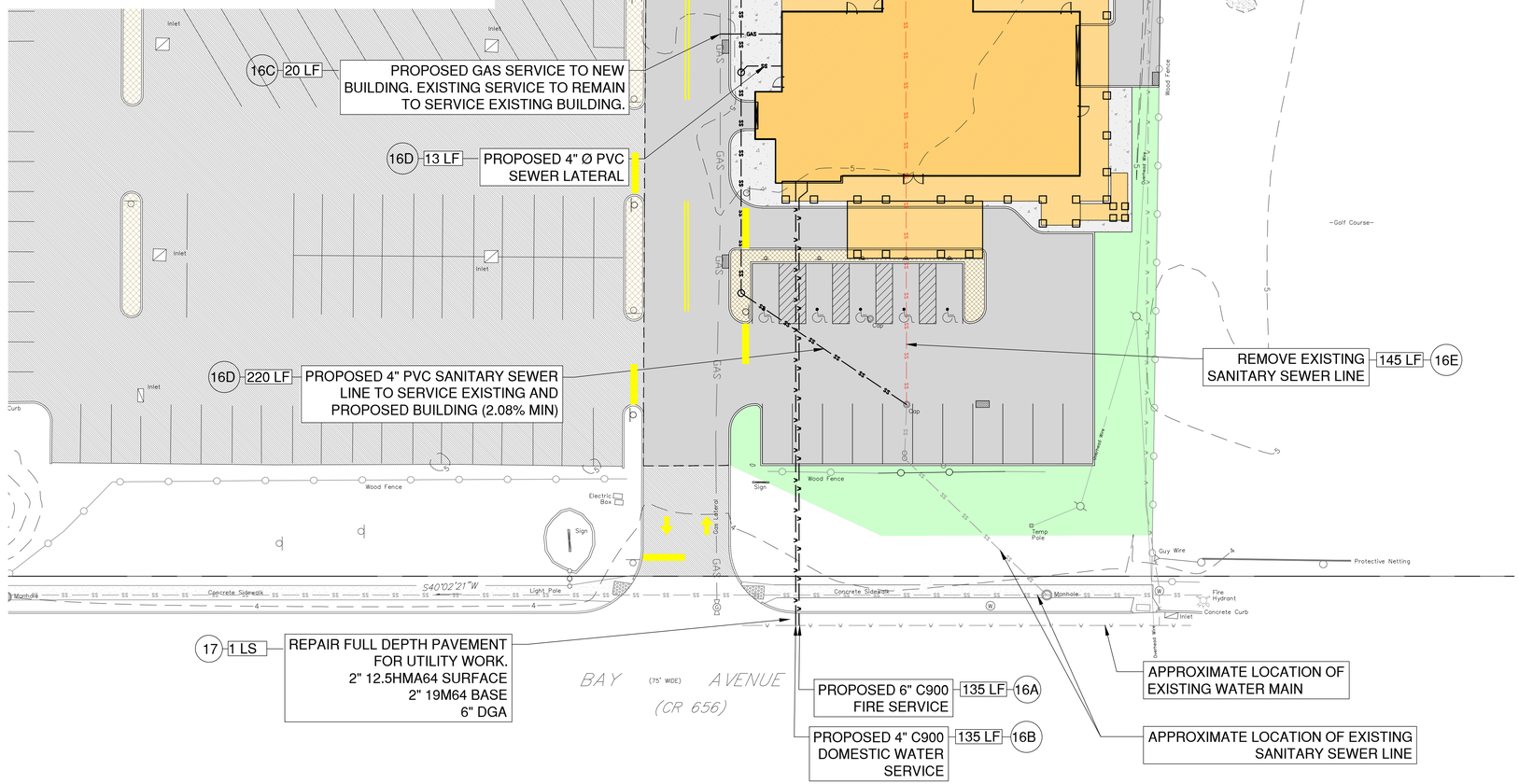
UTILITY CROSSING DETAIL

N.T.S.



ROADWAY RESTORATION DETAIL

N.T.S.



NOTES:

1. ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY MARKING OUT THE SITE. IF EXISTING CONDITIONS DIFFER, CONTACT THE DESIGN ENGINEER.
2. PRICES FOR NEW LATERALS SHOULD INCLUDE THE CONNECTION TO THE EXISTING UTILITY.
3. CLEAN OUTS TO BE INSTALLED ON ALL SEWER BENDS
4. CONTRACTOR MUST VERIFY THE SANITARY SEWER WILL HAVE A MINIMUM SLOPE OF 2.08%
5. WATER VALVES MUST BE INSTALLED AT THE CURB AT THE DISCRETION OF THE CITY.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

UTILITY PLAN

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CAPE MAY COUNTY, NEW JERSEY

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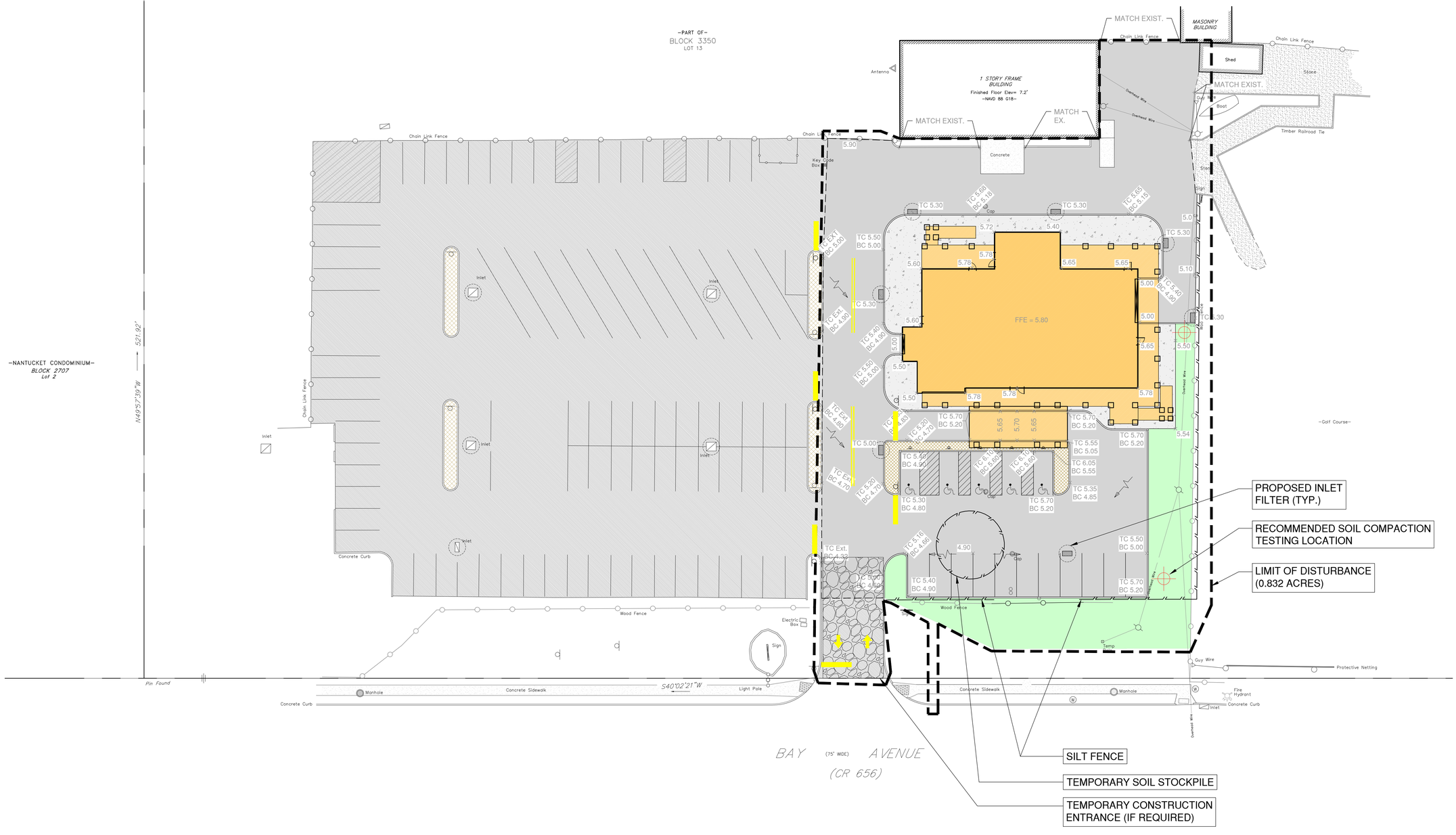
PROJECT #: 10875	SHEET: 6 OF 9



SOIL EROSION & SEDIMENT CONTROL PLAN

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NOTE:

1. PERVIOUS SOIL COMPACTION AREA = 0.09 ACRES, 2 SOIL COMPACTION TESTS.
2. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

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SOIL EROSION & SEDIMENT CONTROL PLAN
BLOCK 3350 LOT 13
OCEAN CITY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

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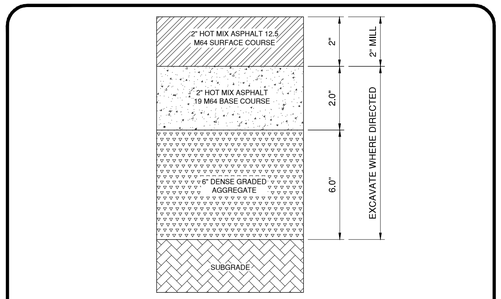
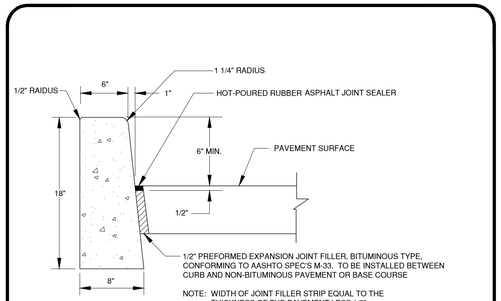


1. MATERIALS FOR THE ASPHALT CONCRETE SURFACE SHALL CONFORM TO SECTION 404.02 OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1989).
2. MATERIALS FOR THE ASPHALT CONCRETE BASE SHALL CONFORM TO SECTIONS 301.02 AND 304.02 OF THE N.J. DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1989).
3. THICKNESSES MAY HAVE TO BE CONSTRUCTED IN MULTIPLE LIFTS, BASED ON EQUIPMENT CAPABILITIES.
4. THE GRANULAR BASE SHALL BE DENSE GRADED AGGREGATE CONFORMING TO SECTION 901.08 OR SOIL AGGREGATE DESIGNATED I-5 CONFORMING TO SECTION 901.09 AND SHOWN IN TABLE 901-2 OF THE N.J. DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1989).
5. ALL SUBGRADES SHALL BE CONSIDERED "POOR," UNLESS THE APPLICANT PROVES OTHERWISE THROUGH CBR TESTING OR FIELD EVALUATION OF SOIL CLASSIFICATION. TEST RESULTS SHALL BE REVIEWED BY THE MUNICIPAL ENGINEER.
6. SUBGRADE COMPACTION SHALL BE APPROVED BY THE MUNICIPAL ENGINEER.
7. PAVEMENT DESIGN BASED ON THE FOLLOWING FOR A 20-YEAR DESIGN PERIOD WITH STAGED CONSTRUCTION IS USED. BASE COURSES ARE DESIGNED TO WITHSTAND THE CONSTRUCTION TRAFFIC ANTICIPATED DURING A 3-YEAR CONSTRUCTION PERIOD AND HAVE A RESIDUAL LIFE OF 17 YEARS AT THE END OF THE 3-YEAR PERIOD. THE ENTIRE PAVEMENT SECTION, BASE COURSE PLUS FINISH COURSE, IS DESIGNED TO WITHSTAND THE TRAFFIC LOADING FOR THE REMAINING 17 YEARS OF THE 20-YEAR DESIGN PERIOD.

ASPHALT PAVING DETAIL

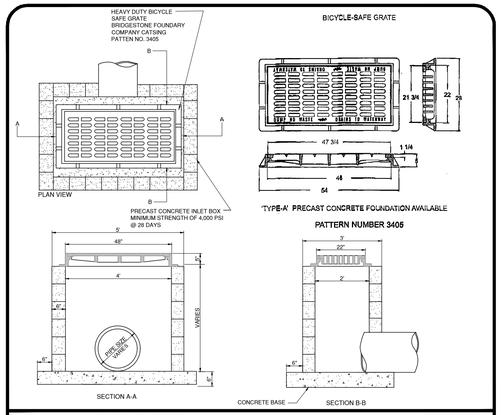
N.T.S.



NOTES: 1. CONCRETE TO BE NJDOT CLASS "B" (AIR ENTRAINED)
2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213, RECESSED 1/4" FROM THE FRONT FACE AND TOP OF THE CURB.
3. DUMMY JOINTS (FORMED) SHALL BE INSTALLED MIDWAY BETWEEN EXPANSION JOINTS.

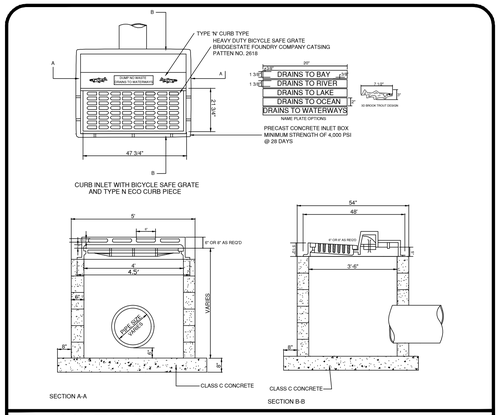
6" CONCRETE CURB

N.T.S.



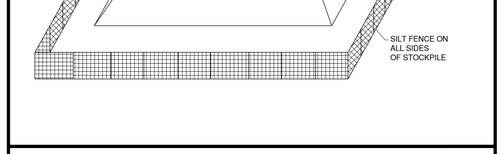
'A' INLET DETAIL

N.T.S.



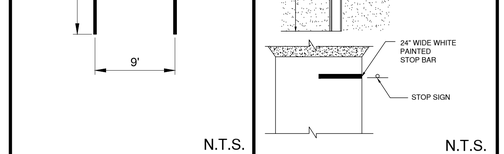
'B' INLET DETAIL

N.T.S.



TOPSOIL STOCKPILE DETAIL

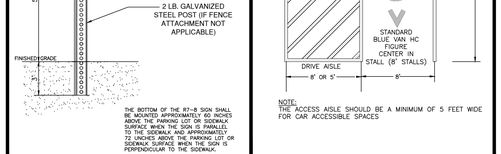
N.T.S.



N.T.S.

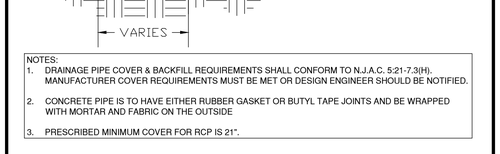
PARKING STRIPING DETAIL

STOP BAR & R1-1 SIGN DETAIL



ADA STRIPING & SIGNAGE DETAIL

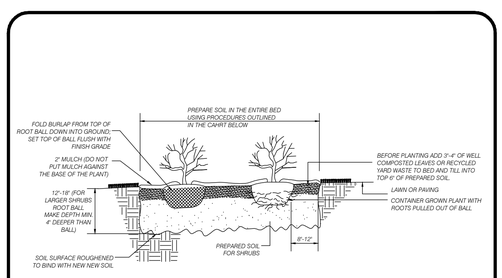
N.T.S.



NOTES:
1. DRAINAGE PIPE COVER & BACKFILL REQUIREMENTS SHALL CONFORM TO N.J.A.C. 5:21-7.3(H). MANUFACTURER COVER REQUIREMENTS MUST BE MET OR DESIGN ENGINEER SHOULD BE NOTIFIED.
2. CONCRETE PIPE IS TO HAVE EITHER RUBBER GASKET OR BUTYL TAPE JOINTS AND BE WRAPPED WITH MORTAR AND FABRIC ON THE OUTSIDE
3. PRESCRIBED MINIMUM COVER FOR RCP IS 21".

PIPE BEDDING DETAIL

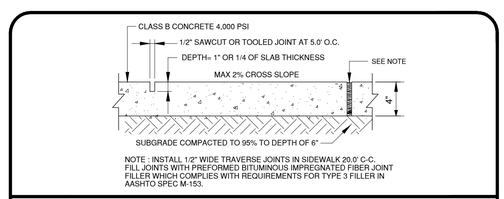
N.T.S.



NOTES:
1. Shrubs not required. Detail is for mulch bed section.
2. For container-grown trees, use fingers or small hand tools to pull the roots out of the outer layer of potting soil; then cut or pull apart any roots circling the perimeter of the container.
3. Incorporate commercially prepared mycorrhiza spores in the soil immediately around the root ball at rates specified by the manufacturer.
3. During the design phase, confirm that water drains out of the soil, design alternative drainage systems as required.
4. Thoroughly soak the tree root ball and adjacent prepared soil several times during the first month after planting and regularly throughout the following two summers.
5. The planting process is similar for deciduous and evergreen trees.

SHRUB PLANTING DETAIL

N.T.S.



CONCRETE SIDEWALK

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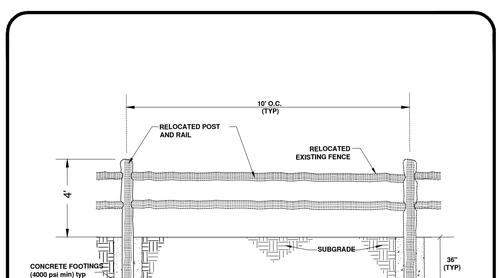

RELOCATED FENCE DETAIL

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REVISION	DATE	BY

DATE: 8/21/26	DRAWN BY: PMMc
SCALE: AS NOTED	CHECKED BY: MSB
PROJECT #: 10875	SHEET: 8 OF 9

SOIL EROSION AND SEDIMENT CONTROL PLAN

1. The soil erosion inspector may require additional soil erosion measure to be installed, in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. 7th Edition,January 2014, Revised July 2017.
2. The property owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or offsite as a result of the construction project.
3. The soil conservation district shall be notified 48 hours prior to any land disturbance.
4. All applicable erosion and sediment control practices shall be in place prior to any grading or installation of proposed structures or utilities.
5. Soil Erosion and Sediment Control practices on this plan shall be constructed in accordance with the standards for Soil Erosion and Sediment Control in New Jersey.
6. Applicable erosion and sediment control practices shall be left in place until construction is completed and/or the area is stabilized.
7. The contractor shall perform all work, furnish all materials and install all measures required to reasonably control soil erosion resulting from construction operations and prevent excessive flow of sediment from the construction site.
8. Any disturbed area that is to be left exposed for more than sixty (60) days and not subject to construction traffic shall immediately receive a temporary seeding and fertilization in accordance with the New Jersey Standards and their rates should be included in the narrative. If the season prohibits temporary seeding, the disturbed areas will be mulched with salt hay or equivalent and anchored in accordance with the New Jersey Standards (i.e. peg and twine, mulch netting or liquid mulch binder).
9. It shall be the responsibility of the developer to provide confirmation of lime, fertilizer and seed and seed application and rates of application at the request of the Soil Conservation District.
10. All critical areas subject to erosion will receive a temporary seeding in combination with straw mulch at a rate of 2 tons per acre, according to the New Jersey Standards immediately following rough grading.
11. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
12. All sedimentation structures will be inspected and maintained on a regular basis and after every storm event.
13. A crushed stone, tire cleaning pad will be installed wherever a construction access exists. The stabilized pad will be installed according to the standards for stabilized construction access.
14. All driveways must be stabilized with 2 1/2" crushed stone or sub-base prior to individual lot construction.
15. Remove any sediment that may be spilled, dropped, or tracked off the project site. All paved rights-of-way adjacent to the project site must be maintained in a clean, swept condition throughout construction.
16. All catch basin inlets will be protected according to the certified plan.
17. All storm drainage outlets will be stabilized, as required, before the discharge points become operational.
18. All dewatering operations must discharge directly into a sediment filter area. The sediment filter should be composed of a suitable sediment filter fabric. (see detail). The basin must be dewatered to normal pool within 10 days of the design storm.
19. N.J..SA. 4:24-39, Eat Seq. requires that no certificate of occupancy be issued before all provisions of the certified soil erosion and sediment control plan have been complied with for permanent measures. All site work for the project must be completed prior to the district issuing a report of compliance as a prerequisite to the issuance of a certificate of occupancy by the municipality.
20. A copy of the certified Soil Erosion and Sediment Control Plan must be maintained on the project site during construction.
21. Any conveyance of this project prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
22. Immediately after the completion of stripping and stockpiling of topsoil, the stockpile must be stabilized according to the standard for temporary vegetative cover. Stabilize topsoil with straw mulch for protection if the season does not permit the application and establishment of temporary seeding. All soil stockpiles are not to be located within fifty (50) feet of a floodplain, slope, roadway or drainage facility and the base must be protected with a sediment barrier.
23. Any changes to the site plan will require the submission of a revised Soil Erosion and Sediment Control Plan to the Soil Conservation District. The revised plan must then be in accordance with the current New Jersey Standards for Soil Erosion and Sediment Control.
24. Methods for the management of high acid producing soils shall be in accordance with the standards. High acid producing soils are those found to contain iron sulfides or have a pH of 4 or less.
25. Maximum side slopes of all exposed surfaces shall not be constructed steeper than 3:1 unless otherwise approved by the district.
26. Dust is to be controlled by an approved method according to the New Jersey Standards and may include watering with a solution of calcium chloride and water.
27. Adjoining properties shall be protected from excavation and land filling operations on the proposed site.
28. Use staged construction methods to minimize exposed surfaces, where applicable.
29. All vegetative material shall be selected in accordance with American Standards for Nursery Stock of the American Association of the Nurseryman and in accordance with the New Jersey Standards for Soil Erosion and Sediment Control in New Jersey.
30. Natural vegetation and species shall be retained where specified on the Landscaping Plan.
31. The permanent vegetative cover such as seeding or sodding on all areas shall be accomplished within 10 days after final grading operations have been completed.
32. Excavated soil material shall not be placed adjacent to rivers, streams, or bodies of water in a manner that will cause it to be washed away by high water or runoff. Excess borrow material removed from the construction site shall be stabilized at the site of placement.
33. This certification is limited to the controls specified in this plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality, county, State agency or other controlling agency.

STORMWATER MANAGEMENT MAINTENANCE PROGRAM

BASIN MAINTENANCE

In order to ensure that all retention and detention basins function properly, a maintenance program must be followed. The following are the minimum requirements for the maintenance of all basins.

1. Annual visual inspection of outlet structures and basins.
   a. Inspection of outlet structures to include checking for obstructions of outfall pipes and the accumulation of silts and sediments.
   b. Inspection of basins to include the removal of debris and accumulated particles such as silts and sediments.
2. For maintenance of vegetated basins:
   a. Mowing of grass is required regularly to ensure the aesthetic quality of the site. All clippings shall be raked and bagged to avoid thatch buildup.
   b. A dense turf, with extensive root growth, is encouraged to reduce erosion and enhance infiltration throughout the bottom and the side of the basin. Well-established turf of the floor and sides will grow through sediment deposits, thus forming a porous turf and preventing the formation of an impermeable layer.
   c. Grasses of the fescue family are recommended for seeding, primarily due to their adaptability to dry sandy soils, drought resistance, hardiness, and ability to withstand brief inundations. Fescues will also permit longer intervals between mowings.
   d. Seed type: A mixture of the following special water-tolerant seed will ensure a high quality grass for retention basins.

INGREDIENTS	Mixture # 8	SEEDING RATE
Fescue		2.1Lb./1,000 SF
Perennial Rye Grass		0.25Lb./1,000 SF
Kentucky Bluegrass		0.25Lb./1,000 SF
White Clover		0.10Lb./1,000 SF

   e. Fertilizing and liming: Bi-annually
      Fertilize with 10-20-10 at a rate of 1 1lbs./1,000 SF
      Lime with pulverized dolomite limestone at a rate of 90lbs./1,000 SF
3. Long term Maintenance
   a. In order to ensure proper function of all basins, every seven years each basin bottom shall be scarified to a depth of 4" to remove sediments and silts. Then 4" of topsoil must be added and resided.

STORM WATER STRUCTURE MAINTENANCE

Maintenance is the work required to keep structures in practice, or restore them to their original physical and functional condition. Maintenance as it applies to this situation shall be divided into two stages: that which is necessary to allow for continuing performance of storm water controls during the construction period and long term maintenance following construction. Both stages are necessary for the life of the storm water structures and systems.

1. MINIMUM REQUIREMENTS FOR MAINTENANCE
   a. TRENCHES/SWALES
      Trenches/Swales to be inspected for rubbish or channel obstructions, bank failure,accumulation of silts and sediments, undesirable vegetative growth, rodents, and overall system failure.
   b. OUTLET STRUCTURE/CONDUIT
      Inspection of outlet structures and conduit to include checking for obstruction of pipe, accumulation of silts and sediments, cracking, corrosion, deterioration from freezing, salt or chemicals, excessive wear or damage from settling.
   c. SPILLWAYS/INLETS/MANHOLES
      Inspection to include checking for cracking, rodents, obstructions (silt-sediment, trash or other.) Check any gates, racks, or grates, for damage from corrosion, ice debris. Check for unauthorized modifications, tampering or vandalism.
2. LONG TERM MAINTENANCE
   As noted, any basin, pipe, pit, trench or inlet not functioning as designed will be thoroughly as prescribed. Any system that continues to remain inoperable after thorough cleaning must be removed and replaced.

RESPONSIBILITY

All on-site retention facilities shall be the sole responsibility of the developer/owner, his assigns and/or heir. The responsibility shall include but not be limited to installation, inspection, and maintenance.

DETENTION FACILITY MAINTENANCE

The primary mechanical equipment use in the Annual Maintenance of the Basins will be for lawn cutting. The exact type and size of this equipment is to be determined by the maintenance service under contract for the project.

STANDARDS FOR STABILIZATION WITH MULCH

METHODS AND MATERIALS

1. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.

B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.

2. Protective Materials

A. Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District. The approved rates above have been met when the mulch covers the ground completely upon visual inspection, i.e. the soil cannot be seen below the mulch.

B. Synthetic or organic soil stabilizers may be used under suitable conditions and in quantities as recommended by the manufacturer.

C. Wood-fiber or paper-fiber mulch at the rate of 1,500 pounds per acre (or according to the manufacturer's requirements) may be applied by a hydroseeder.

D. Mulch netting, such as paper jute, excelsior, cotton, or plastic, may be used.

E. Woodchips applied uniformly to a minimum depth of 2 inches may be used. Woodchips will not be used on areas where flowing water could wash them into an inlet and plug it.

F. Gravel, crushed stone, or slag at the rate of 9 cubic yards per 1,000 sq. ft. applied uniformly to a minimum depth of 3 inches may be used. Size 2 or 3 (ASTM-C-33) is recommended.

3. Mulch Anchoring - should be accomplished immediately after placement of hay or straw mulch to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area and steepness of slopes.

A. Peg and Twine - Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.

B. Mulch Nettings - Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

C. Crimper Mulch Anchoring Coulter Tool - A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 3 tons per acre. No tackifying or adhesive agent is required.

D. Liquid Mulch-Binders

1. Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. Remainder of area should be uniform in appearance.
2. Use one of the following:
   a. Organic and Vegetable Based Binders - Naturally occurring, powder-based, hydrophilic materials that mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membranal networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.
   b. Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application of mulch, drying and curing, shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

STANDARDS FOR TOPSOILING

METHODS AND MATERIALS

1. Materials

a. Topsoil should be friable1, loamy2, free of debris, objectionable weeds and stones, and contain no toxic substances or adverse chemical or physical condition that may be harmful to plant growth. Soluble salts should not be excessive (conductivity less than 0.5 millimhos per centimeter. More than 0.5 millimhos may dessicate seedlings and adversely impact growth). Imported topsoil shall have a minimum organic matter content of 2.75 percent. Organic matter content may be raised by additives.

b. Topsoil substitute is a soil material which may have been amended with sand, silt, clay, organic matter, fertilizer or lime and be used in the absence of topsoil. Topsoil substitutes may be utilized on sites with insufficient topsoil for establishing permanent vegetation. All topsoil substitute materials shall meet the requirements of topsoil noted above. Soil tests shall be performed to determine the components of sand, silt, clay, organic matter, soluble salts and pH level.

2. Stripping and Stockpiling

a. Field exploration should be made to determine whether quantity and or quality of surface soil justifies stripping.

b. Stripping shall be confined to the immediate construction area.

c. Where feasible, lime may be applied before stripping at a rate determined by soil tests to bring the soil pH to approximately 6.5.

d. A 4-6 inch stripping depth is common, but may vary depending on the particular soil.

e. Stockpiles of topsoil should be situated so as not to obstruct natural drainage or cause off-site environmental damage.

f. Stockpiles should be vegetated in accordance with standards previously described herein; see standards for Permanent (pg. 4-1) or Temporary (pg.7-1) Vegetative Cover for Soil Stabilization. Weeds should not be allowed to grow on stockpiles.

3. Site Preparation

a. Grade at the onset of the optimal seeding period so as to minimize the duration and area of exposure of disturbed soil to erosion. Immediately proceed to establish vegetative cover in accordance with the specified seed mixture. Time is of the essence

b. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance.

c. As guidance for ideal conditions, subsoil should be tested for lime requirement. Limestone, if needed, should be applied to bring soil to a pH of approximately 6.5 and incorporated into the soil as nearly as practical to a depth of 4 inches.

d. Prior to topsoiling, the subsoil shall be in compliance with the Standard for Land Grading, pg. 19-1.

e. Employ needed erosion control practices such as diversions, grade stabilization structures, channel stabilization measures, sedimentation basins, and waterways. See Standards 11 through 42.

4. Applying Topsoil

a. Topsoil should be handled only when it is dry enough to work without damaging soil structure; i.e., less than field capacity (see glossary).

b. A uniform application to an average depth of 5.0 inches, minimum of 4 inches, firmed in place is required. Alternative depths may be considered where special regulatory and/or industry design standards are appropriate such as on golf courses, sports fields, landfill capping, etc.. Soils with a pH of 4.0 or less or containing iron sulfide shall be covered with a minimum depth of 12 inches of soil having a pH of 5.0 or more, in accordance with the Standard for Management of High Acid Producing Soil (pg. 1-1).

c. Pursuant to the requirements in Section 7 of the Standard for Permanent Vegetative Stabilization, the contractor is responsible to ensure that permanent vegetative cover becomes established on at least 80% of the soils to be stabilized with vegetation. Failure to achieve the minimum coverage may require additional work to be performed by the contractor to include some or all of the following: supplemental seeding, re-application of lime and fertilizers, and/or the addition of organic matter (i.e. compost) as a top dressing. Such additional measures shall be based on soil tests such as those offered by Rutgers Cooperative Extension Service or other approved laboratory facilities qualified to test soil samples for agronomic properties.

STANDARDS FOR PERMANENT VEGETATIVE COVER

METHODS AND MATERIALS

1. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standard for Land Grading.

B. Immediately prior to seeding and topsoil application, the subsoil shall be evaluated for compaction in accordance with the Standard for Land Grading .

C. Topsoil should be handled only when it is dry enough to work without damaging the soil structure. A uniform application to a depth of 5 inches (unsettled) is required on all sites. Topsoil shall be amended with organic matter, as needed, in accordance with the Standard for Topsoiling.

D. Install needed erosion control practices or facilities such as diversions, grade-stabilization structures, channel stabilization measures, sediment basins, and waterways.

2. Seedbed Preparation

A. Uniformly apply ground limestone and fertilizer to topsoil which has been spread and firmed, according to soil test recommendations such as offered by Rutgers Co-operative Extension Soil sample mailers are available from the local Rutgers Cooperative Extension offices (http://njaes.rutgers.edu/county/). Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-10-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise and incorporated into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seedbed preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.

B. Work lime and fertilizer into the topsoil as nearly as practical to a depth of 4 inches with a disc, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

C. High acid producing soil. Soils having a pH of 4 or less or containing iron sulfide shall be covered with a minimum of 12 inches of soil having a pH of 5 or more before initiating seedbed reparation. See Standard for Management of High Acid-Producing Soils for specific requirements.

3. Seeding

A. Select a mixture from Table 4-3 or use a mixture recommended by Rutgers Cooperative Extension or Natural Resources Conservation Service which is approved by the Soil Conservation District. Seed germination shall have been tested within 12 months of the planting date. No seed shall be accepted with a germination test date more than 12 months old unless retested.

1. Seeding rates specified are required when a report of compliance is requested prior to actual establishment of permanent vegetation. Up to 50% reduction in rates may be used when permanent vegetation is established prior to a report of compliance inspection. Those rates apply to all methods of seeding. Establishing permanent vegetation means 80% vegetative coverage with the specified seed mixture for the seeded area and mowed once.
2. Warm-season mixtures are grasses and legumes which maximize growth at high temperatures, generally 85° F and above. See Table 4-3 mixtures 1 to 7. Planting rates for warm-season grasses shall be the amount of Pure Live Seed (PLS) as determined by germination testing results.
3. Cool-season mixtures are grasses and legumes which maximize growth at temperatures below 85° F Many grasses become active at 65° F. See Table 4-3, mixtures 8-20. Adjustment of planting rates to compensate for the amount of PLS is not required for cool season grasses.

B. Conventional Seeding is performed by applying seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil within 24 hours of seedbed preparation to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse-textured soil.

C. After seeding, firming the soil with a corrugated roller will assure good seed-to-soil contact, restore capillarity, and improve seedling emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water conservation on site will be maximized.

D. Hydroseeding is a broadcast seeding method usually involving a truck, or trailer-mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding. (also see Section 4-Mulching below). Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. When poor seed to soil contact occurs, there is a reduced seed germination and growth.

4. Mulching

Mulching is required on all seeding. Mulch will protect against erosion before grass is established and will promote faster and earlier establishment. The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.

A. Straw or Hay. Unrotted small grain straw, hay free of seeds, to be applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a crimper is used instead of a liquid mulch-binder (tackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread mulch uniformly by hand or mechanically so that approximately 95% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square feet sections and distribute 70 to 90 pounds within each section.

Anchoring shall be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

1. Peg and Twine. Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.
2. Mulch Nettings. Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.
3. Crimper (mulch anchoring tool). A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 3 tons per acre. No tackifying or adhesive agent is required.
4. Liquid Mulch-Binders - May be used to anchor hay or straw mulch.

a. Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. The remainder of the area should be uniform in appearance.

b. Use one of the following:

(1) Organic and Vegetable Based Binders - Naturally occurring, powder-based, hydrophilic materials when mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membranal networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.

(2) Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

Note: All names given above are registered trade names. This does not constitute a commendation of these products to the exclusion of other products.

B. Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 ponds per acre (or as recommended by the product manufacturer) and may be applied by a hydroseeder. Mulch shall not be mixed in the tank with seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.

C. Pelletized mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Pelletized mulch shall be applied in accordance with the manufacturer's recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs./1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small lawn or renovation areas, seeded areas where weed-seed free mulch is desired, or on sites where straw mulch and tackifier agent are not practical or desirable. Applying the full 0.2 to 0.4 inches of water after spreading pelletized mulch on the seed bed is extremely important for sufficient activation and expansion of the mulch to provide soil coverage.

5. Irrigation (where feasible)
   If soil moisture is deficient supply new seeding with adequate water (a minimum of 1/4 inch applied up to twice a day until vegetation is well established). This is especially true when seedlings are made in abnormally dry or hot weather or on droughty sites.
6. Topdressing
   Since soil organic matter content and slow release nitrogen fertilizer (water insoluble) are prescribed in Section 2A - Seedbed Preparation in this Standard, no follow-up of topdressing is mandatory. An exception may be made where grass nitrogen deficiency exists in the soil to the extent that tall culture may develop. In that instance, topdress with 10-10-10 or equivalent at 300 pounds per acre or 7 pounds per 1,000 square feet every 3 to 5 weeks until the gross nitrogen deficiency in the turf is ameliorated.
7. Establishing Permanent Vegetative Stabilization
   The quality of permanent vegetation rests with the contractor. The timing of seeding, preparing the seedbed, applying nutrients, mulch and other management are essential. The seed application rates in Table 4-3 are required when a Report of Compliance is requested prior to actual establishment of permanent vegetation. Up to 50% reduction in application rates may be used when permanent vegetation is established prior to requesting a Report of Compliance from the district. These rates apply to all methods of seeding. Establishing permanent vegetation means 80% vegetative cover (of the seeded species) and mowed once. Note this designation of mowed once does not guarantee the permanency of the turf should other maintenance factors be neglected or otherwise mismanaged.

STANDARDS FOR TEMPORARY VEGETATIVE COVER

METHODS AND MATERIALS

1. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading, pg. 19-1.

B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.

C. Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been soil compaction. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).

2. Seedbed Preparation

A. Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise. Apply limestone at the rate of 2 tons/acre unless soil testing indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes.

B. Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should 7-1 Standards for Soil Erosion and Sediment Control in New Jersey January 2014 be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

C. Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled in accordance with the above.

D. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

3. Seeding

A. Select seed from recommendations in Table 7-2.

B. Conventional Seeding. Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil, to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.

C. Hydroseeding is a broadcast seeding method usually involving a truck or trailer mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding. (also see Section IV Mulching) Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used in areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.

D. After seeding, firming the soil with a corrugated roller will assure good seed-to-soil contact, restore capillarity, and improve seedling emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water conservation on site will be maximized.

4. Mulching

Mulching is required on all seeding. Mulch will insure against erosion before grass is established and will promote faster and earlier establishment. The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.

A. Straw or Hay. Unrotted small grain straw, hay free of seeds, applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a crimper is used instead of a liquid mulch-binder (tackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread mulch uniformly by hand or mechanically so that approximately 95% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square feet sections and distribute 70 to 90 pounds within each section.

Anchoring shall be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

1. Peg and Twine. Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.
2. Mulch Nettings. Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.
3. Crimper (mulch anchoring tool). A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 3 tons per acre. No tackifying or adhesive agent is required.
4. Liquid Mulch-Binders - May be used to anchor hay or straw mulch.

a. Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. The remainder of the area should be uniform in appearance.

b. Use one of the following:

(1) Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials when mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membranal networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.

(2) Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

Note: All names give above are registered trade names. This does not constitute a commendation of these products to the exclusion of other products.

B. Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 ponds per acre (or as recommended by the project manufacturer) and may be applied by a hydroseeder. This mulch shall not be mixed in the tank with seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.

C. Pelletized mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, forms mulch mat. Pelletized mulch shall be applies in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs./1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small lawn or renovation areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

Applying the full 0.2 to 0.4 inches of water after spreading pelletized mulch on the seed bed is extremely important for sufficient activation and expansion of the mulch to provide soil coverage.

DUST CONTROL STANDARDS

The following methods should be considered for dust control at the request of the Township Construction Code Official, or upon inspection by an S.C.D. official.

1. Spray - On Adhesive - On mineral soils (not effective on muck soils.) Keep traffic off these areas.

	Water Dilution	Type of Nozzle	Apply Gallons/Acre
Anionic asphalt emulsion	7:1	Coarse spray	1,200
Latex emulsion	12 1/2 :1	Fine spray	235
Resin in water	4:1	Fine spray	300

2. Tillage - To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.
3. Sprinkling - Site is sprinkled until the surface is wet.
4. Barriers - Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar material can be used to crate walls, bales of hay and similar material can be used to control air currents and soil blowing.
5. Calcium Chloride - Shall be in the form of loose dry granules at a rate that will keep surface moist but not cause or flakes fine enough to keed through commonly used spreaders pollution or plant damage. If used on steeper slopes, Then pollution or plant damage. If used on steeper slopes, Then use other practices to prevent washing into streams or accumulation around plants.
6. Stone - Cover surface with crushed stone or coarse gravel.
7. Mulch - Stabilization with approved mulches and vegetation cover being temporary of permanent.

STANDARD FOR LAND GRADING

PLANNING CRITERIA

The grading plan and installation shall be based upon adequate topographic surveys and investigations. The plan is to show the location, slope, cut, fill and finish elevation of the surfaces to be graded. The plan should also include auxiliary practices for safe disposal of runoff water, slope stabilization, erosion control and drainage. Facilities such as waterways, ditches, diversions, grade stabilization structures, retaining walls and subsurface drains should be included where necessary.

Erosion control measures shall be designed and installed in accordance with the applicable standard contained herein.

The development and establishment of the plan shall include the following:

1. The cut face of earth excavations and fills shall be no steeper than the safe angle of repose for the materials encountered and flat enough for proper maintenance.
2. The permanently exposed faces of earth cuts and fills shall be vegetated or otherwise protected from erosion.
3. Provisions shall be made to safely conduct surface water to storm drains or suitable water courses and to prevent surface runoff from damaging cut faces and fill slopes.
4. Subsurface drainage is to be provided in areas having a high water table, to intercept seepage that would adversely affect slope stability, building foundations or create undesirable wetness. See Standard for Subsurface Drainage, pg. 32-1.
5. Adjoining property shall be protected from excavation and filling operations.
6. Fill shall not be placed adjacent to the bank of a stream or channel, unless provisions are made to protect the hydraulic, biological, aesthetic and other environmental functions of the stream.

Soil Management and Preparation

Subgrade soils prior to the application of topsoil shall be free of excessive compaction to a depth of 6.0 inches to enhance the establishment of permanent vegetative cover.

This section of this Standard addresses the potential for excessive soil compaction in light of the intended land use, testing for excessive soil compaction where permanent vegetation is to be established and mitigation of excessive soil compaction when appropriate.

Due to use or setting, certain disturbed areas will not require compaction remediation including, but not limited to the following:

1. Within 20 feet of building foundations with basements, 12 feet from slab or crawl space construction.
2. Where soils or gravel surfaces will be required to support post-construction vehicular traffic loads such as roads, parking lots and driveways (including gravel surfaces), bicycle paths or pedestrian walkways (sidewalks etc)
3. Airports, railways or other transportation facilities
4. Areas requiring industry or government specified soil designs, including golf courses, landfills, wetland restoration, septic disposal fields, wet/lined ponds, etc.
5. Areas governed or regulated by other local, state or federal regulations which dictate soil conditions
6. Brownfields (capped uses), urban redevelopment areas, , in-fill areas, , recycling yards, junk yards, quarries and
7. Slopes determined to be inappropriate for safe operation of equipment
8. Portions of a site where no heavy equipment travel or other disturbance has taken place
9. Areas receiving temporary vegetative stabilization in accordance with the Standard.
10. Where the area available for remediation practices is 500 square feet or less in size.
11. Locations containing shallow (close to the surface) bedrock conditions.

Areas of the site which are subject to compaction testing and/or mitigation shall be graphically denoted on the certified soil erosion control plan.

Soil compaction remediation or testing to prove remediation is not necessary will be required in areas where permanent vegetation is to be established that are not otherwise exempted above. Testing method shall be selected, and soil compaction testing shall be performed by, the contractor or other project owner's representative (e.g. engineer). A minimum of two (2) tests shall be performed for projects with an overall limit of disturbance of up to one (1) acre and at a rate of two (2) tests per acre of the overall limit of disturbance for larger areas which shall be evenly distributed over the area of disturbance subject to testing. Tests shall be performed in areas representative of the construction activity pursuing in the area. In the event this testing indicates compaction in excess of the maximum thresholds indicated for the testing method, the contractor/owner shall have the option to perform compaction mitigation over the entire disturbed area (excluding exempt areas) or to perform additional testing to establish the limits of excessive compaction whereupon only the excessively compacted areas would require compaction mitigation.

Soil compaction testing is not required if/when subsoil compaction remediation (scarification/tillage (6" minimum depth) or similar) is proposed as part of the sequence of construction.

Soil Test Method Options

1. Probing Wire Test Method

This test shall be conducted with a firm wire (15-1/2 gauge steel wire - e.g. survey marker flag, straight wire stock, etc.), 18 to 21 inches in length, with 6" inches from one end visibly marked on the wire. Conduct test by holding the wire by the end opposite the flag end and push it vertically into the soil at several different locations in the field to the lesser of a 6 inch depth or the depth at which it bends due to resistance in the soil. Record the depth at which it bends due to resistance in the soil. The wire should penetrate without bending or deforming at least 6" into the ground by hand, without the use of tools. If penetration is less than 6" into the ground by hand, and an obstruction is suspected (rocks, roots, debris, etc.) the test can be repeated in the same general area. If the test is successful the soil is not excessively compacted. If the wire is difficult to insert (wire bends or deforms prior to reaching 6 inches in depth) the soil may be excessively compacted and compaction mitigation or further testing via method 3 or 4 below is required, the choice of which is at the contractor/owner's discretion.

**2. Handheld Soil

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	ROOM SIGN	FLOOR FINISH	BASE FINISH	CEILING		WALL FINISH					CASEWORK			COMMENTS
					MATERIAL	FINISH	NORTH	EAST	SOUTH	WEST	TRIM	BASE CABINETS	COUNTERTOP	UPPER CABINETS	
001	VESTIBULE	--	WOM-1	WB10	ACT10/GWB	--/PT00	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
101	VESTIBULE	--	WOM10	WB10	ACT10/GWB	--/PT00	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
102	TERMINAL LOBBY	--	CPT10/ LVT10	WB10	ACT10/ WCP10	--/--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--		INSTALL WC10 UP TO 48" A.F.F.
103	PILOTS LOUNGE	--	CPT10/ LVT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		LAM10	SS00		INSTALL WC10 UP TO 48" A.F.F.
104	MECHANICAL/FIRE	1	RS20	RS20	GWB	PT00	PT20	PT20	PT20	PT20		--	--	--	
105	ELECT/TELECOM	1	RS20	RS20	GWB	PT00	PT20	PT20	PT20	PT20		--	--	--	
106	CONFERENCE	1	CPT10	WB10	ACT10/GWB	--/PT00	PT10	PT10	PT10	PT10		--	--	--	
107	FLIGHT PLAN	1	CPT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
108	VESTIBULE	1	LVT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
109	AIR TRAFFIC CONTROL	1	CPT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
110	AIRPORT DIRECTOR	1	CPT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
111	AIRPORT ADMIN	1	CPT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
112	GOLF PRO SHOP	1	CPT10	WB10	ACT10/GWB	--/PT00	PT10	PT10	PT10	PT10		--	--	--	
113	CORR.	--	LVT10	WB10	ACT10	--	WC10/PT10	WC10/PT10	WC10/PT10	WC10/PT10		--	--	--	INSTALL WC10 UP TO 48" A.F.F.
114	JAN. CLO.	1	RS20	RS20	GWB	PT00	FRP	FRP	FRP	FRP		--	--		
115	WOMEN'S RM	1	RS20	RS20	GWB	PT00	CT10	CT10/PT10	CT10/PT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
116	MEN'S RM	1	RS20	RS20	GWB	PT00	CT10/PT10	CT10/PT10	CT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
117	RR	1	RS20	RS20	GWB	PT00	CT10/PT10	CT10/PT10	CT10/PT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
118	STORAGE	1	RS20	RS20	GWB	PT00	PT10	PT10	PT10	PT10		--	--	--	
119	FIRE PUMP	1	RS20	RS20	GWB	PT00	PT20	PT20	PT20	PT20		--	--	--	
201	LOBBY/ WAITING	--	LVT10	WB10	GWB/WCP10	PT00/--	PT10	PT10	PT10	PT10		--	--	--	
202	KITCHEN/ SCULL	2	RS20	RS20	ACT20	--	FRP	FRP	FRP	FRP		--	--	--	
203	DINING ROOM	--	LVT10	WB10	GWB	PT00	PT10	PT10	CT10	PT10		--	--	--	
204	WAIT. STA.	1	LVT10	WB10	GWB	PT00	PT10	PT10	PT10	PT10		--	--	--	
205	EMPLOYEE RESTROOM	1	RS20	RS20	GWB	PT00	CT10/PT10	CT10	CT10/PT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
206	MEN'S RM	1	RS20	RS20	GWB	PT00	CT10/PT10	CT10/PT10	CT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
207	WOMEN'S RM	1	RS20	RS20	GWB	PT00	CT10	CT10/PT10	CT10/PT10	CT10/PT10		--	--	--	REFER TO INTERIOR ELEVATIONS
208	JAN. CLO.	1	RS20	RS20	GWB	PT00	FRP	FRP	FRP	FRP		--	--	--	
S1	EXIT STAIR		RB10	--	GWB	PT00	PT10	PT10	PT10	PT10					PROVIDE RUBBER TREADS, RISERS, LANDINGS, PAINT ALL EXPOSED SURFACES
S2	EXIT STAIR	3	RB10	--	GWB	PT00	PT10	PT10	PT10	PT10		--	--	--	PROVIDE RUBBER TREADS, RISERS, LANDINGS, PAINT ALL EXPOSED SURFACES

1. ALL COORDINATES TAKEN FROM PLAN NORTH.
2. PROVIDE A ROOM SIGN AT EACH STAIR ENTRANCE AT EACH FLOOR.
3. FINAL ROOM NUMBER AND NAME ON ROOM SIGN TO BE COORDINATED WITH OWNER. PROVIDE AT ALL ROOMS. SEE SIGN DETAIL.
4. ALL EXPOSED FACES/EDGES OF UNFINISHED MATERIALS TO RECEIVE APPROPRIATE FINISH. REFER TO FINISH SCHEDULE &/OR SPECIFICATIONS.

LIST OF FINISHES

TAG	DESCRIPTION	MFGR	PRODUCT	LOCATION	NOTES
ACT10	ACOUSTIC CEILING TILE 1	ARMSTRONG	24" X 24" ULTIMA TEGULAR ACOUSTICAL TILE CEILING IN 15/16" SUSPENDED GRID		
ACT20	ACOUSTIC CEILING TILE 2	ARMSTRONG	24" X 24" KITCHEN ZONE #672 - VINYL COVERED TILE CEILING IN 15/16" SUSPENDED GRID		
ARB	ABUSE-RESISTANT BOARD	FIBEROCK	AQUATOUGH AR BOARD		
CPT10	CARPET TILE	MILLIKEN	50CM X 50CM CARTPET TILE - COASTLINE AMERICAS LANDASCAPE - PELICAN FINISH		
CT10	CERAMIC TILE	DALTILE	RIGID CLAY 12"X24" ROCK RECTANGLE STREAM RC12	WALL TILE	
CT20	CERAMIC TILE	DALTILE	ANNAPOLIS 6X16 WALL TILE - SAIL MATTE AP10	BACKSPLASH	
CT30	CERAMIC TILE	PORCELANOSA	EMERALD PORCELAIN TILE	BATHROOM-SHOWER	
FG10	FIBERGLASS DECK	--	NON-SLIP FINISH		
FRP	SANITARY WALL PANEL	KYDEX	KYDEX T THERMOPLASTIC WALL SHEATHING, WHITE.		
GWB	GYPSUM BOARD	--	5/8" GYPSUM W.B.		
LAM10	LAMINATE	WILSONART	WHITE OAK PB NATURAL - 8281		
LVT10	LUXURY VINYL TILE	MILLIKEN	FORTIFIED FOUNDATIONS 5.0 MM - FAR18 CANE		
MP10	ALUMINUM PLANK SOFFIT	LONGBOARD	4" V-GROOVE PLANKS - BLONDE OAK FINISH		
PT00	CEILING PAINT	SHERWIN WILLIAMS	PRIME & (2) COATS INTERIOR LATEX - FLAT FINISH - CEILING BRIGHT WHITE SW7007	TYP. CEILING PAINT	
PT01	CEILING PAINT - PVC	SHERWIN WILLIAMS	PRIME & (2) COATS EXTERIOR ACTYLIC LATEX - FLAT FINISH - CEILING BRIGHT WHITE SW7007	PVC SOFFIT PAINT	
PT10	WALL PAINT 1	SHERWIN WILLIAMS	PRIME & (2) COATS INTERIOR LATEX - EGGSHELL FINISH - ALABASTER SW7008	TYPICAL WALL PAINT	COLOR BY ARCHITECT
PT20	WALL PAINT 2	SHERWIN WILLIAMS	PRIME & (2) COATS INTERIOR LATEX - EGGSHELL FINISH	BACK OF HOUSE	COLOR BY ARCHITECT
PT30	WALL PAINT 3	SHERWIN WILLIAMS	PRIME & (2) COATS INTERIOR LATEX - EGGSHELL FINISH	RESTROOM WALL PAINT	COLOR BY ARCHITECT
PT40	TRIM PAINT	SHERWIN WILLIAMS	PRIME & (2) COATS INTERIOR LATEX	TYPICAL DOOR AND TRIM PAINT	COLOR BY ARCHITECT
PT50	CMU WALL PAINT	SHERWIN WILLIAMS	(2) COATS LOXON WATER BLOCKING PRIMER - FINISH & (1) COAT SUPERPAINT AIR PURIFYING TECHNOLOGY	MASONRY WALLS	
RB10	RUBBER FINISH	TARKETT	JOHNSONITE ANGLE FIT RUBBER TREAD AND RISER, COLOR AND TEXTURE BY ARCHITECT. PROVIDE MATCHING RUBBER LANDING TILE, TYP.	INTERIOR STAIR TREAD, RISER AND LANDING	
RS10	RESINOUS FLOORING	DUR-A-FLEX	HYBRI-FLEX EB MEDIUM GREY	GARAGES	
RS20	RESINOUS FLOORING	INFLOOR	SANSEAM #528		
SS00	SOLID SURFACE	VADARA QUARTZ	PHOENIX SKY-3CM	TYPICAL COUNTERS	
WB10	WALL BASE	--	AS DETAILED	TYPICAL WALL BASE	
WC10	WALL COVERING	WOLF GORDON	RAMPART QUINAULT - PETRICHOR QNT5547		PROVIDE COORDINATING TRIM @ CORNERS & EDGES WHERE APPLICABLE
WCP10	SOLID WOOD CEILING PANEL	ARMSTRONG	WOODWORKS GRILLE TEGULAR SOLID WOOD CEILING PANEL 'MAPLE' - BACKER & DOWEL COMBINATION (3) SLAT - 1 1/4"W X 5 1/4"H NOM. SLAT SPACING 2 3/4"		
WOM10	WALK-OFF MAT	MILLIKEN	OBEX BAR - CUTX - GREY		

SHEET NOTES:

1. CONTRACTOR TO PURCHASE ALL ITEMS UNLESS OTHERWISE NOTED.

2. CONTRACTOR TO INSTALL ALL ITEMS. COORDINATE INSTALLATION WITH OWNER.

3. SUBSTITUTIONS ARE PERMITTED PER SPECIFICATIONS.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	NOTES
LT01	EXTERIOR LED 3" GIMBAL	LITHONIA	
LT02	EXTERIOR LED 3" DOWNLIGHT	LITHONIA	
LT03	6" DOWNLIGHT	LITHONIA	
LT04	6" DOWNLIGHT - WET	LITHONIA	
LT05	2X2 TROFFER	LITHONIA	
LT06	2X4 TROFFER	LITHONIA	
LT07	LOW-BAY - 48"	LITHONIA	
LT09	6FT LED LINEAR	LIGHTLY	
LT10	2X2 FLAT PANEL	LITHONIA	NSF CERTIFIED
LT11	BATHROOM SCONCE	WAC LIGHTING	
LT12	STAIRWELL LED	LITHONIA	TO BE INSTALLED 96" A.F.F.
LT13	4" CYLINDER DOWNLIGHT	LITHONIA	
LT15	OUTDOOR SCONCE	WAC LIGHTING	
LT16	RECESSED COVE - BATHROOM	ALCON	COORD. LENGTH OF FIXTURE W/ LENGTH OF WALL
LT17	6" DOWNLIGHT - SLOPED CEILING	LITHONIA	
LT18	TRACK LTG	JUNO	PROVIDE & MOUNT ON TRACK
LT19	COVE LTG	ALCON	
LT20	EXTERIOR LINEAR	VISION	
LT-E1	EMERGENCY LTG	LITHONIA	
LT-X1	EXIT SIGN	LITHONIA	

1. REFER TO ELECTRICAL DOCUMENTS FOR FULL SCHEDULE.

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	NOTES
FD01	FLOOR DRAIN	
FD-02	FLOOR DRAIN	
LAV01	WALL MTD LAVATORY	
LAV02	60" WALL MTD LAVATORY	
LAV03	30" WALL MTD LAVATORY	
MS01	MOP SINK	
SH01	SOLID SURFACE SHOWER BASE - 30"W X 60"L W/ 2" DRAIN ASSEMBLY AND REMOVABLE STRAINER	
UR01	WAL MTD URINAL	
WC01	FLOOR MTD WATER CLOSET	
WC02	WALL MTD WATER CLOSET	

1. REFER TO PLUMBING DOCUMENTS FOR FULL SCHEDULE.

APPLIANCE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	DIMENSIONS (W x H x D)	NOTE
A01	MICROWAVE	BY OWNER	TBD		OWNER SUPPLIED, GC TO INSTALL
A02	VENDING MACHINE	BY OWNER	TBD		OWNER SUPPLIED, GC TO INSTALL
A03	TICKET VENDING	BY OWNER	TBD		OWNER SUPPLIED, GC TO INSTALL

RESTROOM ACCESSORIES SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	DIMENSIONS (W x H x D)	MOUNTING HEIGHT
RA01	TOILET PAPER DISPENSER	BOBRICK	B-4288		18" MIN A.F.F.
RA02	GRAB BARS	BOBRICK	B-9806x18; B-9806x36; B-9806x42		REFER TO ELEVATIONS
RA03	AUTOMATIC SOAP DISPENSER	BOBRICK	B-2013		42" MAX A.F.F. TO OPPERABLE COMPONENT
RA04	HAND DRYER	BOBRICK	B-7128		42" MAX A.F.F. TO OPPERABLE COMPONENT
RA05	SANITARY NAPKIN DISPENSER	BOBRICK	B-47069C		42" MAX A.F.F FROM BOTTOM
RA06	LED BACKLIT MIRROR	BOBRICK	B-164 2436		40" MAX A.F.F. FROM BOTTOM OF REFLECTING SURFACE
RA07	HDPE RESTROOM PARTITION	SCRANTON	FLOOR MTD		
RA08	HDPE URINAL SCREEN	SCRANTON	WALL MOUNTED		
RA09	FOLDING SHOWER SEAT	BOBRICK	B-5193		REFER TO ELEVATIONS
RA10	GRAB BARS	BOBRICK	B-9806x18; B-9806x36; B-9806x24		REFER TO ELEVATIONS
RA11	CURTAIN ROD	BOBRICK	B-207		REFER TO ELEVATIONS

FURNITURE & EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	COMMENTS
F02	LOUNGE SOFA	OWER SUPPLIED, CONTRACTOR INSTALLED.
F03	LOUNGE CHAIR	OWER SUPPLIED, CONTRACTOR INSTALLED.
F04	OFFICE CHAIR	OWER SUPPLIED, CONTRACTOR INSTALLED.
F06	GUEST CHAIR	OWER SUPPLIED, CONTRACTOR INSTALLED.
F08	LOUNGE SIDE TABLE	OWER SUPPLIED, CONTRACTOR INSTALLED.
F09	CONFERENCE CHAIR	OWER SUPPLIED, CONTRACTOR INSTALLED.
F10	OFFICE WORKTOP	OWER SUPPLIED, CONTRACTOR INSTALLED.
F11	OFFICE L-SHAPE DESK	OWER SUPPLIED, CONTRACTOR INSTALLED.
F12	FILE STORAGE CABINET	OWER SUPPLIED, CONTRACTOR INSTALLED.
F13	TERMINAL SEATING	OWER SUPPLIED, CONTRACTOR INSTALLED.
F15	WALL MTD. 3-SHELF DISPLAY	OWER SUPPLIED, CONTRACTOR INSTALLED.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

SCHEDULES

Scale
Drawn by WSZ
Date 08.28.26

A0.00

Comission no. 25023O

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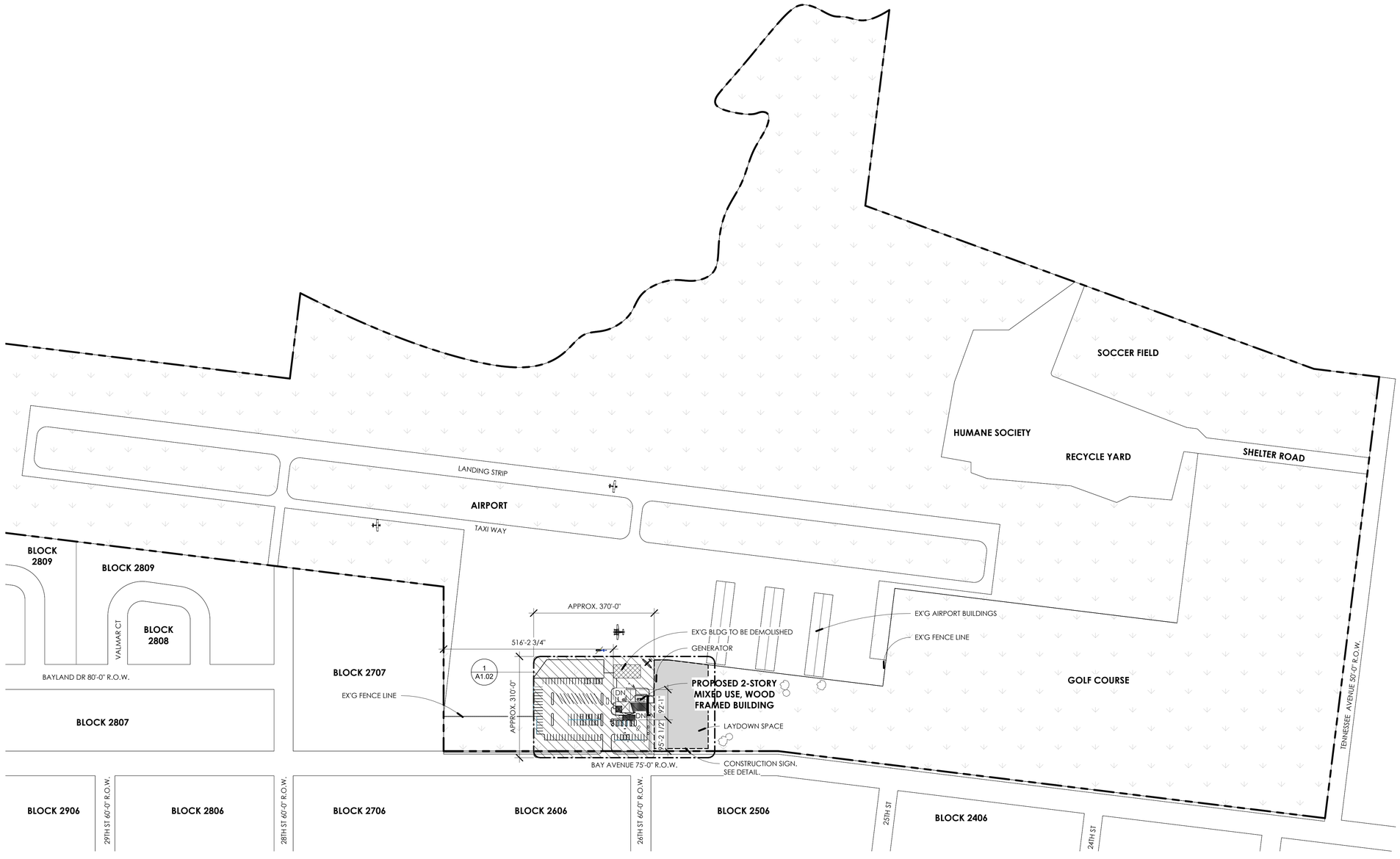

1 SITE PLAN
1" = 160'-0"

PLAN NORTH TRUE NORTH

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

SITE PLAN

Scale	1" = 160'-0"
Drawn by	WSZ
Date	08.28.26

A1.01

Comission no. 25023O

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GENERAL PHASING NOTES:

GP1. THE INTENT OF THE CONSTRUCTION SAFETY PHASING PLAN IS TO CONSTRUCT THE "TERMINAL" PROJECT AT OCEAN CITY MUNICIPAL AIRPORT WHILE MINIMIZING THE DISRUPTION TO AIRPORT OPERATIONS.

GP2. THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) AS PROPOSED HAS BEEN ESTABLISHED TO MAINTAIN AIRPORT OPERATIONS AND TO PROVIDE PROPER SEPARATION BETWEEN AIRCRAFT AND CONSTRUCTION EQUIPMENT/ACTIVITIES. IF THERE ARE ANY CHANGES TO THIS CONSTRUCTION PHASING PLAN, THEY MUST BE APPROVED IN WRITING BY THE AIRPORT MANAGER/DIRECTOR PRIOR TO IMPLEMENTATION.

GP3. THE CONTRACTOR SHALL STRICTLY CONFORM TO FAA ADVISORY CIRCULAR 150/5370-2, LATEST EDITION, ENTITLED "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". THIS AC IS PROVIDED IN THE PROJECT MANUAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRIEF ALL THE CONTRACTOR'S EMPLOYEES AND SUBCONTRACTORS ON THE FAA OPERATING, SAFETY AND SECURITY REQUIREMENTS.

GP4. ANY AREA DISTURBED DUE TO EXCAVATION, STOCKPILING, WASTE, OR HAULING OPERATIONS MUST BE RE-GRADED TO PROVIDE ACCEPTABLE DRAINAGE TO THE SATISFACTION OF THE ENGINEER. RESEEDING OF ANY BORROW, STOCKPILE, OR HAUL ROAD AREAS BEYOND THE WORK AREAS WILL BE INCIDENTAL TO THE COST OF CONSTRUCTION.

GP5. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE AIRPORT MANAGER SEVEN (7) DAYS IN ADVANCE.

GP6. PAVEMENT AREA MUST ALSO BE SWEPT CLEAN AT THE END OF EACH DAY AND PRIOR TO REOPENING A SECTION OF PAVEMENT.

GP7. CONTRACTOR CONSTRUCTION ACCESS WILL BE AS SHOWN ON THE CONSTRUCTION SAFETY PHASING PLAN AND/OR AS APPROVED BY THE AIRPORT MANAGER AND/OR ENGINEER. THE CONTRACTOR MUST PLACE A "TEMPORARY CONSTRUCTION ENTRANCE" SIGN AND AN "EMERGENCY AND AUTHORIZED VEHICLES ONLY" SIGN AT ANY ACCESS GATE(S) USED AS A CONSTRUCTION ENTRANCE. THE COST FOR THESE SIGNS SHALL BE INCLUDED IN THE CONTRACTOR'S PLANT.

GP8. IF THERE ARE ANY CHANGES TO THIS CONSTRUCTION PHASING PLAN, THEY MUST BE APPROVED IN WRITING BY THE AIRPORT MANAGER PRIOR TO IMPLEMENTATION. ALSO, THE CHANGES NEED TO BE RESUBMITTED WITH AN UPDATED FAA FORM 7460-1 FOR RESUBMISSION AND EVALUATION BY THE FAA.

GP9. THE EXISTING AIRPORT TERMINAL BUILDING SHALL REMAIN IN OPERATION DURING CONSTRUCTION. ANY UTILITY RELOCATION/DEMOLITION SHALL BE COORDIANTED WITH THE AIRPORT TO AVOID ANY CONFLICTS.

GP10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING VEHICLE ACCESS FROM BAY AVE TO THE AIRPORT PARKING LOT. SHOULD FLAGGERS BE NECESSARY, THEIR COST SHALL BE INCIDENTAL TO THE CONTRACTOR'S MOBILIZATION.

GP11. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ANY CRANE PADS USED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

GP12. THE CONSTRACTOR IS RESPONSIBLE FOR THE PLACEMENT OF A TEMPORARY FENCE DURING CONSTRUCTION. THE TEMPORARY FENCE SHALL NOT RESTRICT ACCESS TO THE EXISTING PARKING LOT OR AIRPORT TERMINAL BUILDING.

CONSTRUCTION PHASING:

PHASE 1 OF CONSTRUCTION SHALL INCLUDE THE MAJORITY OF THE WORK TO ERECT THE PROPOSED TERMINAL BUILDING. PUBLIC USERS SHALL BE DETERRED FROM ENTERING THE WORK AREA BY INSTALLING A TEMPORARY CONSTRUCTION FENCE. ACCESS TO THE EXISTING AIRPORT TERMINAL AND EXISTING AIRFIELD SHALL BE MAINTAINTED AT ALL TIMES DURING PHASE 1. PHASE 2 SHALL CONSIST OF THOSE TIMES WHICH WILL LIMIT ACCESS TO THE PARKING LOT AND/OR AIRPORT TERMINAL. ACCESS LIMITATIONS MUST BE PLANNED 7 DAYS IN ADVANCE, AND MUST BE KEPT TO A MINIMUM.

PHASE 1:

P1.1. INSTALL EROSION AND SEDIMENTATION CONTROLS ACCORDING TO APPROVED PLANS.

P1.2. INSTALL MAINTENANCE AND PROTECTION OF TRAFFIC ITEMS I.E. TEMPORARY FENCE.

P1.3. DEMOLISH ITEMS IN ACCORDANCE TO THE PLANS. THE EXISTING TERMINAL SHALL REMAIN OPERABLE DURING THE INSTALLATION OF THE NEW TERMINAL.

P1.4. INSTALL PROPOSED UTILITIES.

P1.5. PERFORM SITE PREPARATION FOR THE ERECTION OF THE NEW TERMINAL BUILDING.

P1.6. ERECT THE TERMINAL BUILDING.

P1.7. PERFORM FINAL PAVING/LANDSCAPING SURROUNDING THE NEW TERMINAL BUILDING.

P1.8. OBTAIN APPROVAL FROM THE AIRPORT MANAGER TO RE-OPEN THE AREA SURROUNDING THE NEW TERMINAL BUILDING TO TRAFFIC.

P1.9. REMOVE MAINTENANCE AND PROTECTION OF TRAFFIC ITEMS.

PHASE 2:

P2.1. DISCUSS CLOSURE PLAN WITH AIRPORT MANAGER A MINIMUM OF 7 DAYS PRIOR TO CLOSING ANY ACCESS TO THE AIRPORT.

P2.2. INSTALL MAINTENANCE AND PROTECTION OF TRAFFIC ITEMS AS NECESSARY.

P2.3. OBTAIN FLAGGERS AS NECESSARY.

P2.4. PERFORM WORK WHICH MAY IMPACT ACCESS TO THE AIRFIELD.

P2.5. ACCESS SHALL BE RESTORED AT THE END OF EACH SHIFT.

P2.6. REMOVE MAINTENANCE AND PROTECTION OF TRAFFIC ITEMS.

OTHER AIRPORT SAFETY AND SECURITY NOTES:

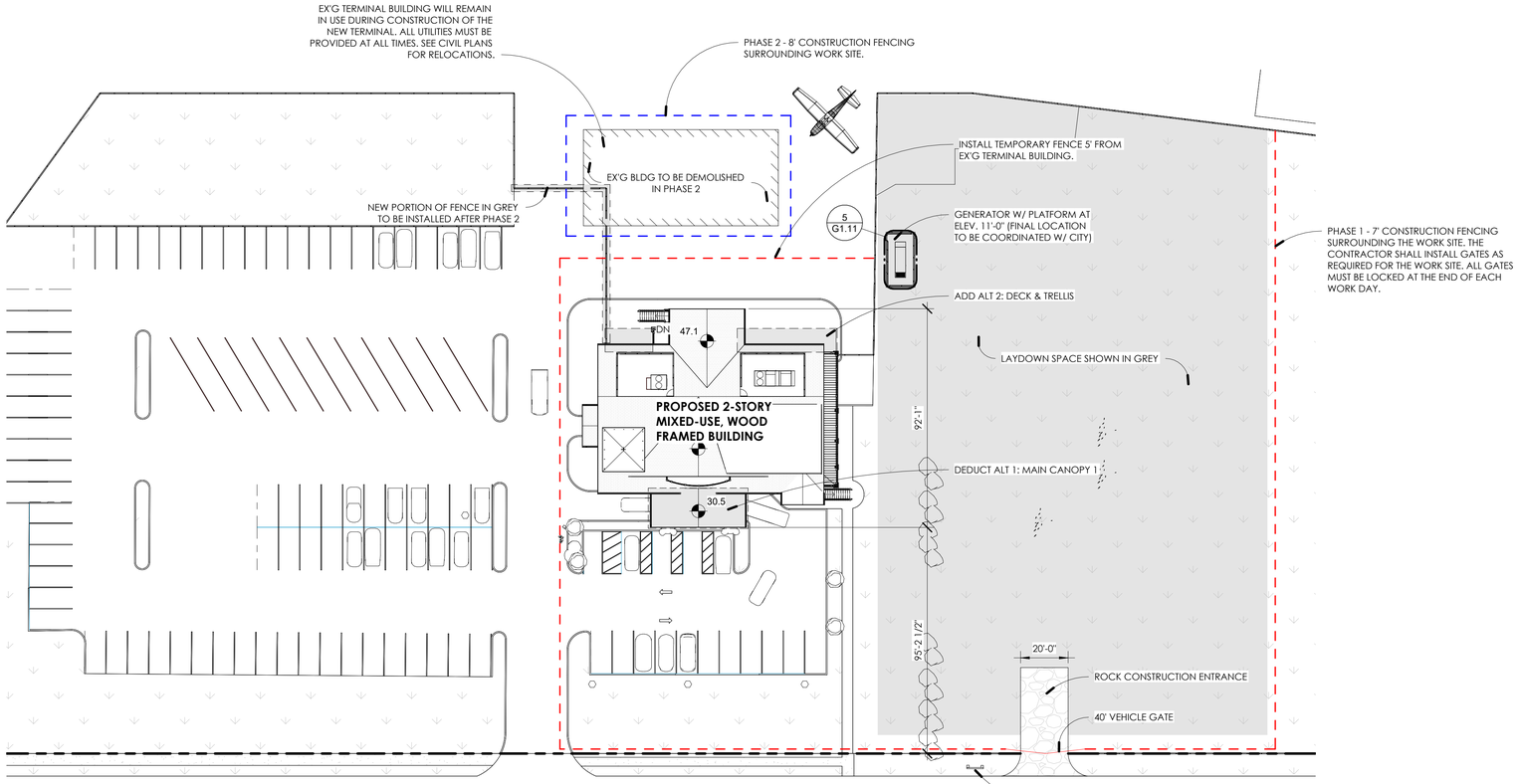
S1. DURING ALL CONSTRUCTION PHASES, ESPECIALLY DURING FREQUENT HAULING OR EQUIPMENT MOVEMENT OPERATIONS, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ONLY AUTHORIZED CONSTRUCTION PERSONNEL AND VEHICLES HAVE ACCESS TO THE AIR OPERATIONAL AREAS (AOA'S). AT A MINIMUM, THE CONTRACTOR SHALL KEEP THE ACCESS GATE(S) CLOSED WHEN NOT IN USE AND SHALL NOT LEAVE ANY GATE OPEN AND UNATTENDED DURING CONSTRUCTION.

S2. THE CONTRACTOR MUST PLACE A "TEMPORARY CONSTRUCTION ENTRANCE" SIGN AND AN "EMERGENCY AND AUTHORIZED VEHICLES ONLY" SIGN AT ANY ACCESS GATE(S) USED AS A CONSTRUCTION ENTRANCE. THE COST FOR THESE SIGNS SHALL BE INCLUDED IN THE CONTRACTOR'S PLANT.

S3. ALL VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH FLAGS AND/OR FLASHING AMBER LIGHTS DURING DAYTIME CONSTRUCTION, AND FLASHING AMBER LIGHTS FOR NIGHT CONSTRUCTION, AS SPECIFIED IN DIVISION 9 OF THE PROJECT MANUAL. (SEE THE AVIATION FLAG DETAIL.)

DEFINITIONS:

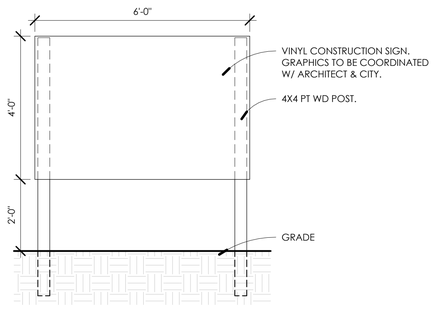
AIR OPERATIONS AREA (AOA) - ANY AREA OF THE AIRPORT USED OR INTENDED TO BE USED FOR THE LANDING, TAKEOFF, OR SURFACE MANEUVERING OF AIRCRAFT. AN AIR OPERATIONS AREA INCLUDES SUCH PAVED OR UNPAVED AREAS THAT ARE USED OR INTENDED TO BE USED FOR THE UNOBSTRUCTED MOVEMENT OF AIRCRAFT IN ADDITION TO ITS ASSOCIATED RUNWAYS, TAXIWAYS, OR APRONS.



*REFER TO CIVIL DRAWINGS FOR EXTERIOR IMPROVEMENTS.

1 ENLARGED PARTIAL SITE PLAN
1" = 30'-0"

PLAN NORTH TRUE NORTH



2 CONSTRUCTION SIGN DETAIL
1/2" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ENLARGED SITE PLAN & PHASING NOTES

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A1.02

Comission no. 25023O

8/28/2026 9:49:14 AM

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25023OC AIRPORT - BASE VEG.rvt

SHEET NOTES:

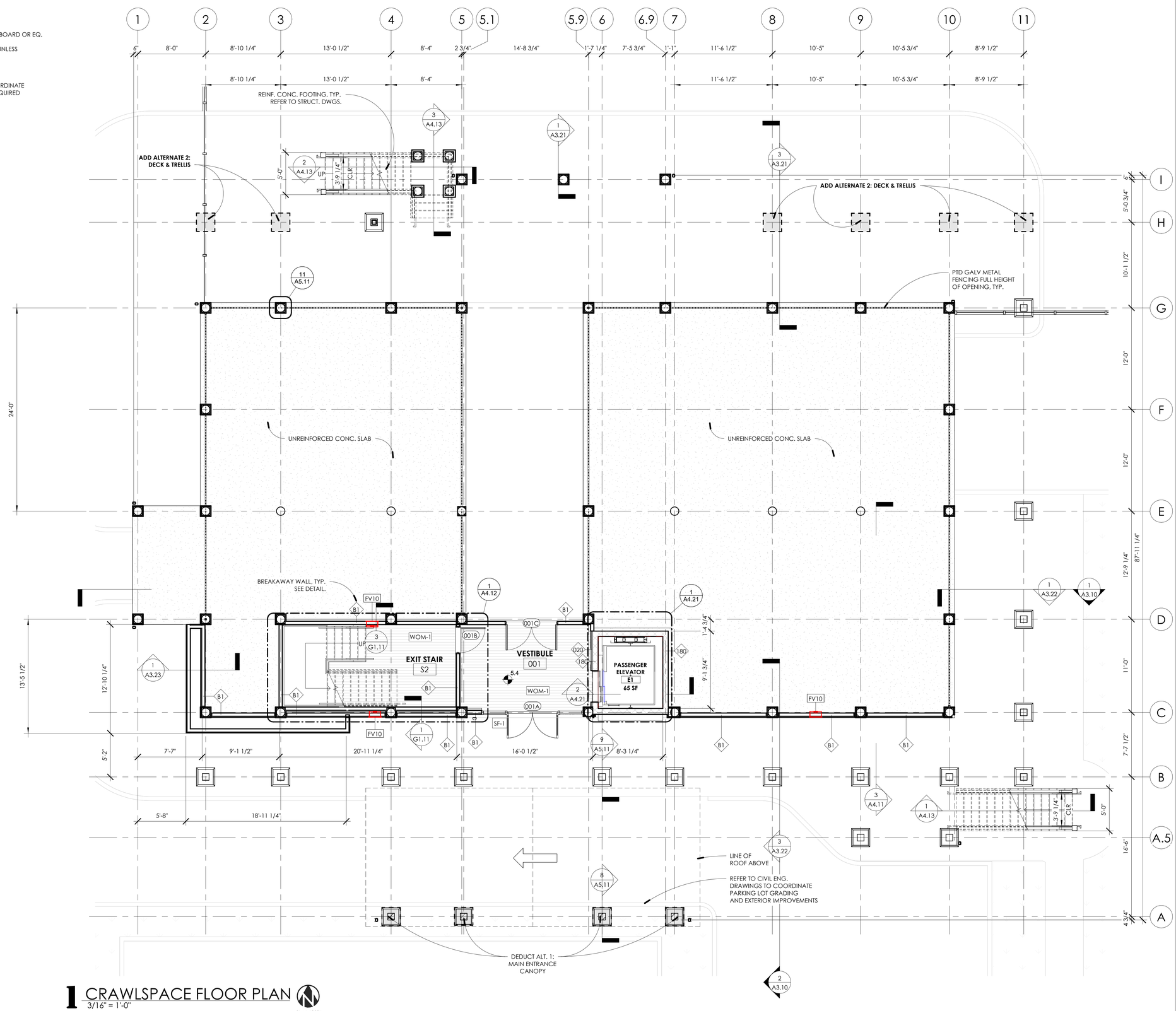
1. DIMENSIONS ARE MEASURED TO THE FACE OF STUD OR MASONRY UNLESS OTHERWISE NOTED.

2. ALL TYPE 'X' GYPSUM W.B. IN RESTROOMS SHALL BE 5/8" AQUATOUGH A.R. BOARD OR EQ.

3. ALL SPOT ELEVATIONS ARE TAKEN FROM SUBFLOOR OR ROOF SHEATHING UNLESS OTHERWISE NOTED.

4. ALL FLOOR & ROOFS TO RECEIVE 1-HR ASSEMBLY PER G1.21.

5. ALL MASONRY OPENINGS ARE DIMENSIONED TO OUTSIDE OF FRAME. COORDINATE ACTUAL OPENING DIMENSIONS AS REQUIRED TO ACCOMMODATE MFGR REQUIRED SHIM/SEALANT SPACE.



1 CRAWLSPACE FLOOR PLAN
3/16" = 1'-0"

PLAN NORTH

william mclees
architecture

5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

CRAWLSPACE PLAN

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A1.10

Comission no. 25023O

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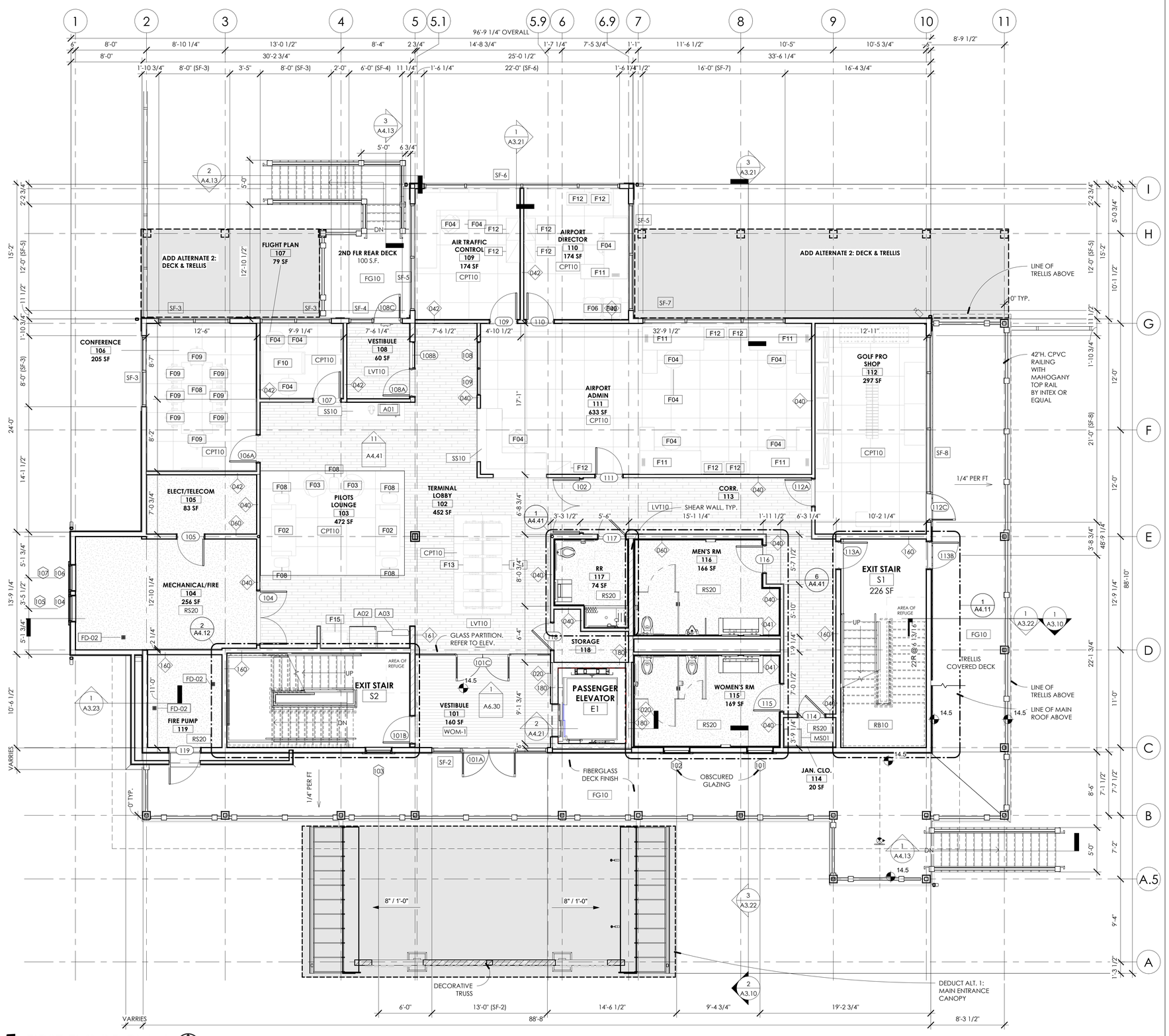

1 FIRST FLOOR PLAN
3/16" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

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OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRST FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A1.11

Comission no. 25023O

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8/28/2026 9:49:18 AM

SHEET NOTES:

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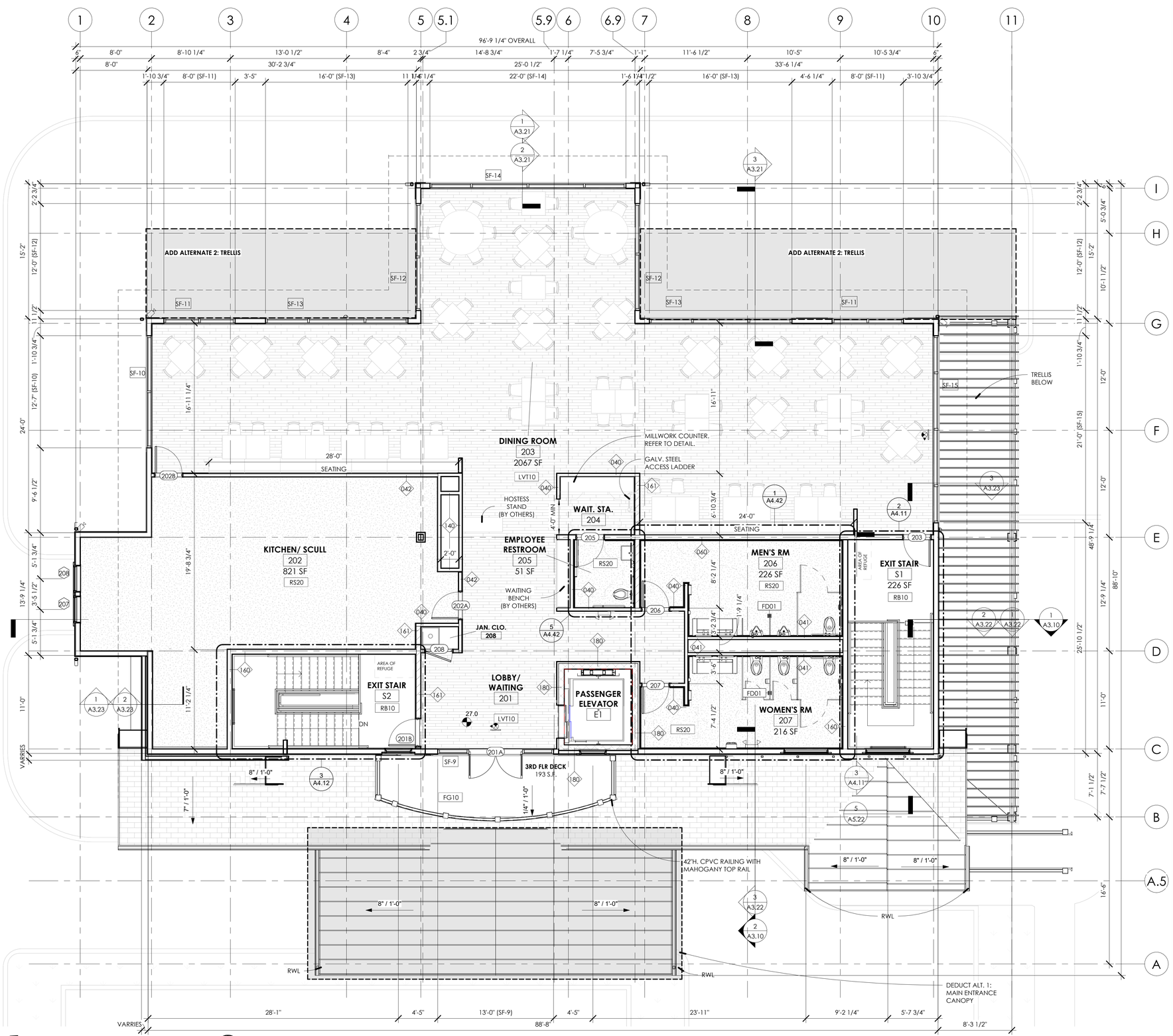

1 SECOND FLOOR PLAN
3/16" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

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OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

SECOND FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A1.12

Comission no. 25023O

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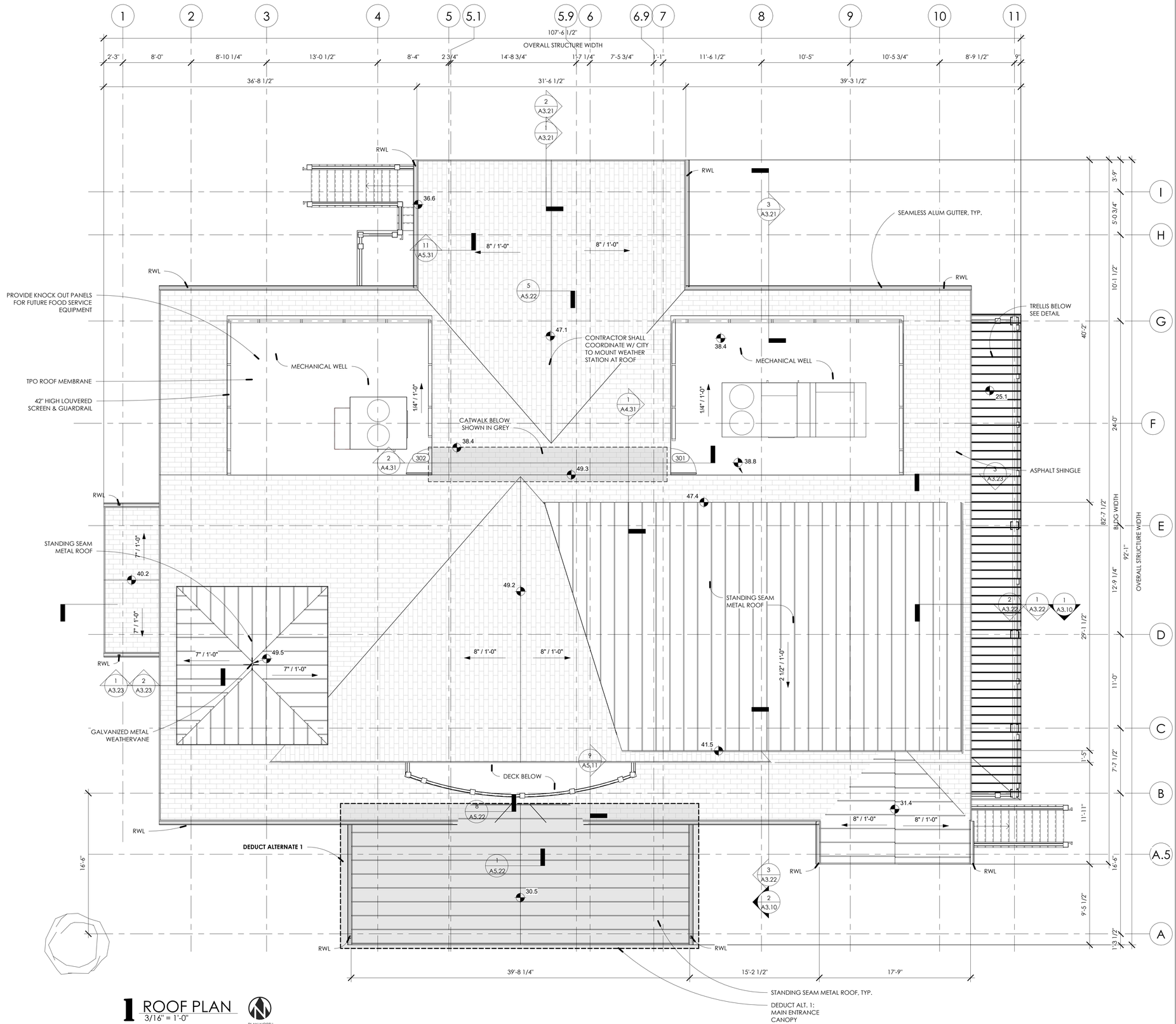

1 ROOF PLAN
3/16" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

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OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ROOF PLAN

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A1.13

Comission no. 25023O

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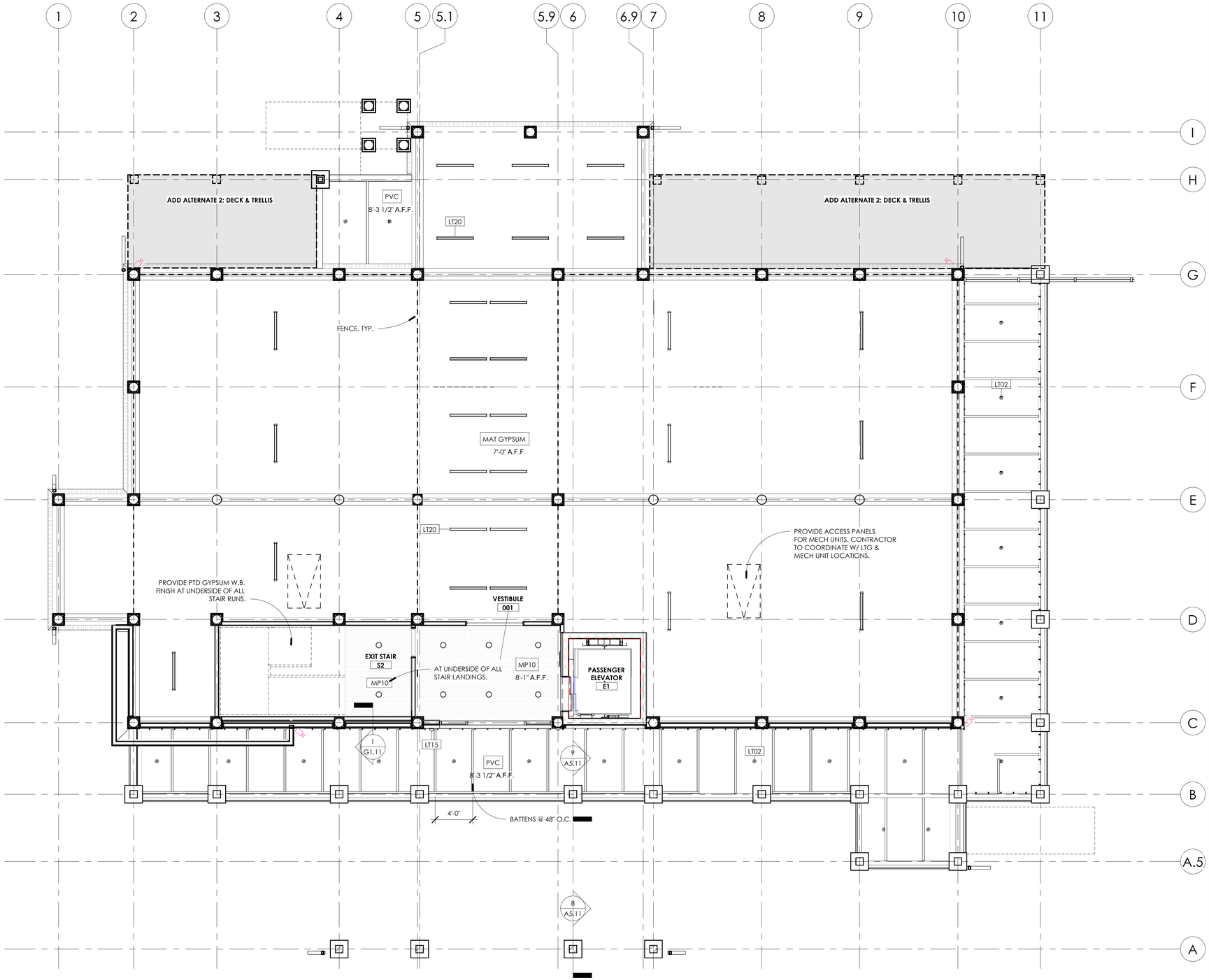
8/28/2026 9:49:25 AM

TYPICAL REFLECTED CEILING NOTES

1. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT/OWNER.
2. CONCEALED PENDENT SPRINKLERS TO BE INSTALLED IN OCCUPIED SPACES, NOT SHOWN. REFER TO FIRE PROTECTION DRAWINGS FOR SCOPE AND SPECIFICATION.

REFLECTED CEILING LEGEND

- $ — SINGLE POLE SWITCH
- $3 — 3-WAY TOGGLE SWITCH
- SD/CO — SMOKE DETECTOR/ CO DETECTOR
- EXIT SIGN
- FIRE SPRINKLER
- EMERGENCY LIGHTING
- S — SPEAKER
- P — PULL STATION
- FIRE ALARM HORN / STROBE
- 'X' — LIGHTING FIXTURE TYPE 'X' (SEE SCHEDULE)
- GWB — CEILING TAG
- 9'-0" — CEILING FINISH MATERIAL
- CEILING HT. A.F.F.



1 CRAWLSPACE REFLECTED CEILING PLAN

3/16" = 1'-0"

PLAN NORTH

william mclees architecture

5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

CRAWLSPACE REFLECTED CEILING PLAN

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A1.20

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

8/28/2026 9:49:49 AM

TYPICAL REFLECTED CEILING NOTES

1. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT/OWNER.
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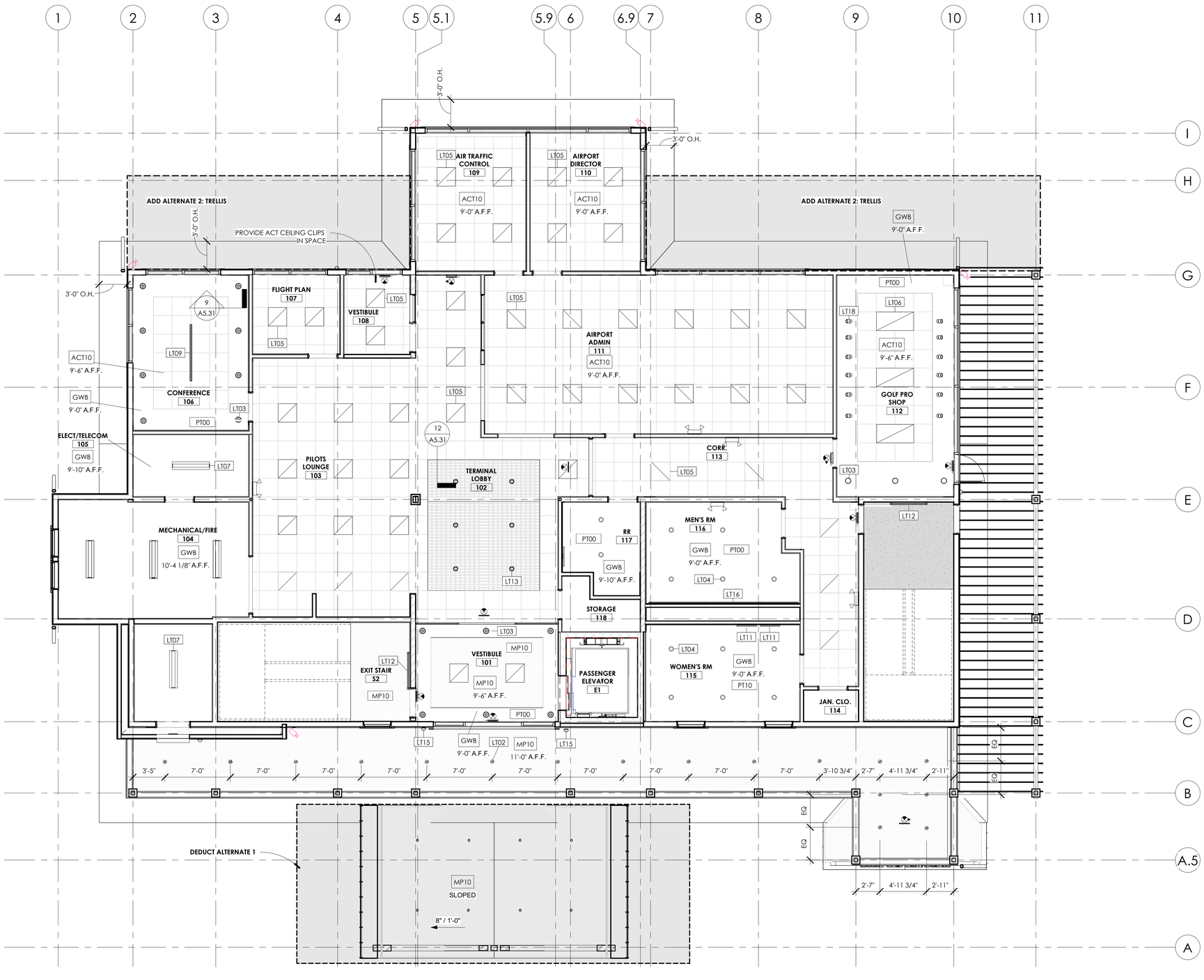
- S — SPEAKER
- P — PULL STATION
- FIRE ALARM HORN / STROBE
- 'X' — LIGHTING FIXTURE TYPE 'X' (SEE SCHEDULE)
- GWB — CEILING TAG
- 9'-0" — CEILING FINISH MATERIAL
- CEILING HT. A.F.F.



1 FIRST FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
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Pennsylvania State License RA403479

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRST FLOOR REFLECTED CEILING PLAN

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A1.21

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

8/28/2026 9:49:27 AM

TYPICAL REFLECTED CEILING NOTES

1. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT/OWNER.
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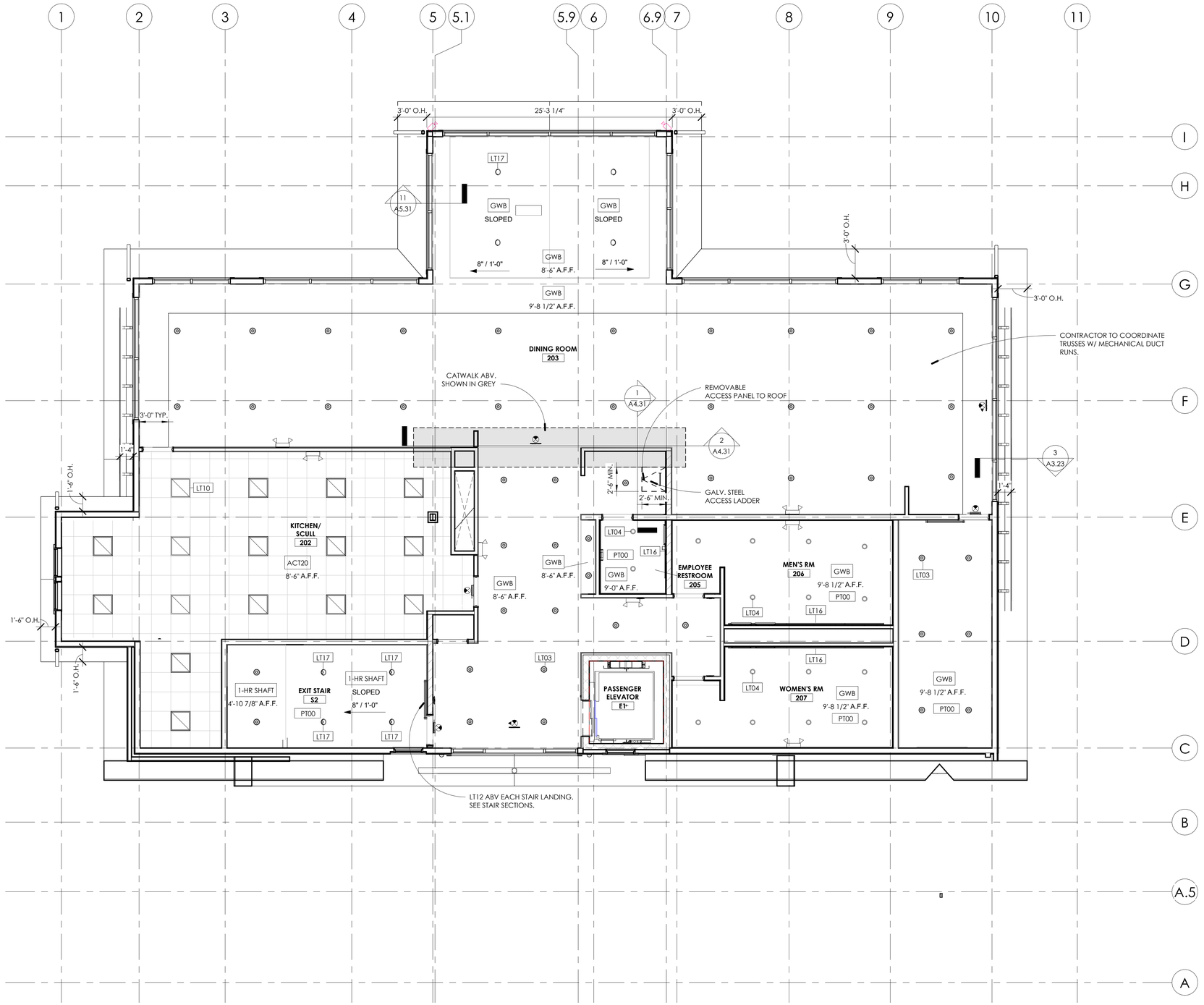
- S — SPEAKER
- P — PULL STATION
- FIRE ALARM HORN / STROBE
- 'X' — LIGHTING FIXTURE TYPE 'X' (SEE SCHEDULE)
- GWB — CEILING TAG
- 9'-0" — CEILING FINISH MATERIAL
- CEILING HT. A.F.F.



1 SECOND FLOOR REFLECTED CEILING PLAN

3/16" = 1'-0"

PLAN NORTH

william mclees architecture

5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

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OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

SECOND FLOOR REFLECTED CEILING PLAN

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A1.22

Comission no. 25023O

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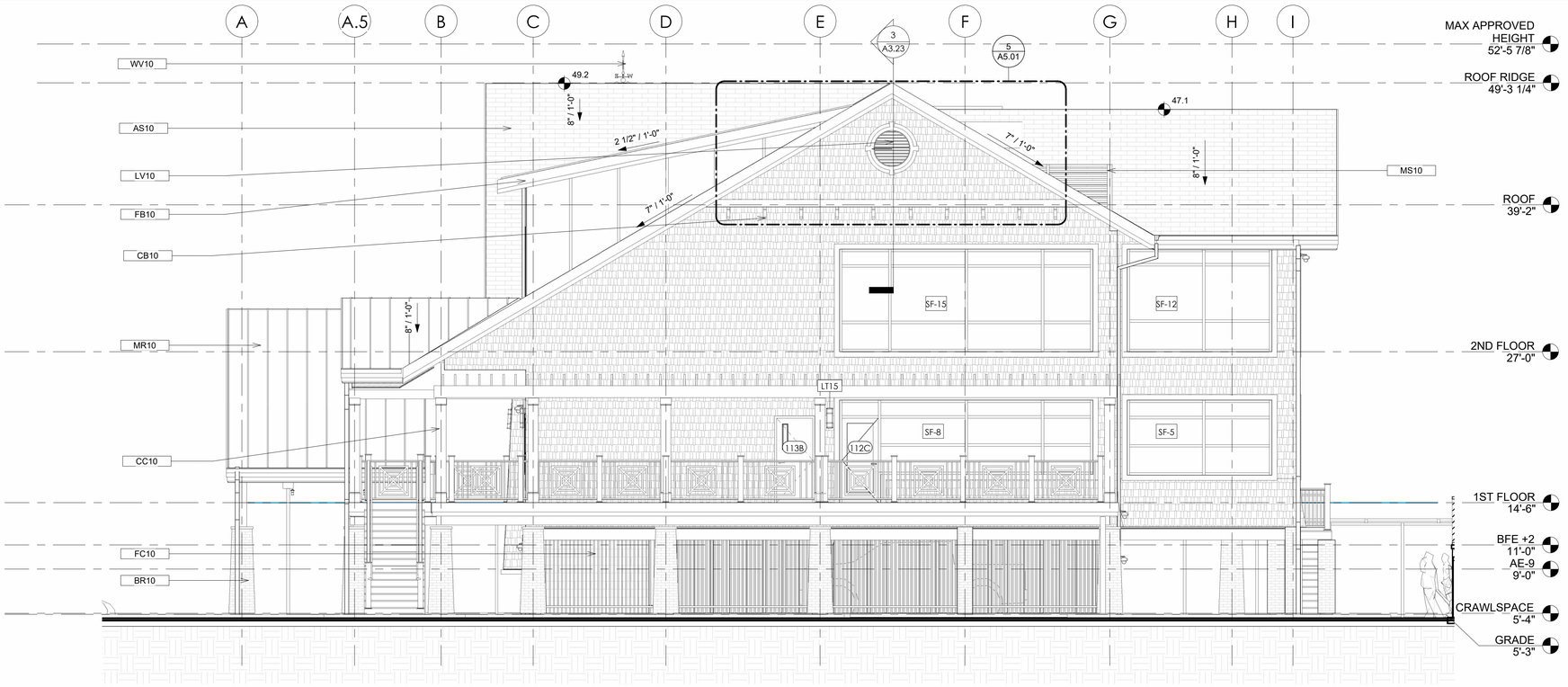
8/28/2026 9:49:28 AM

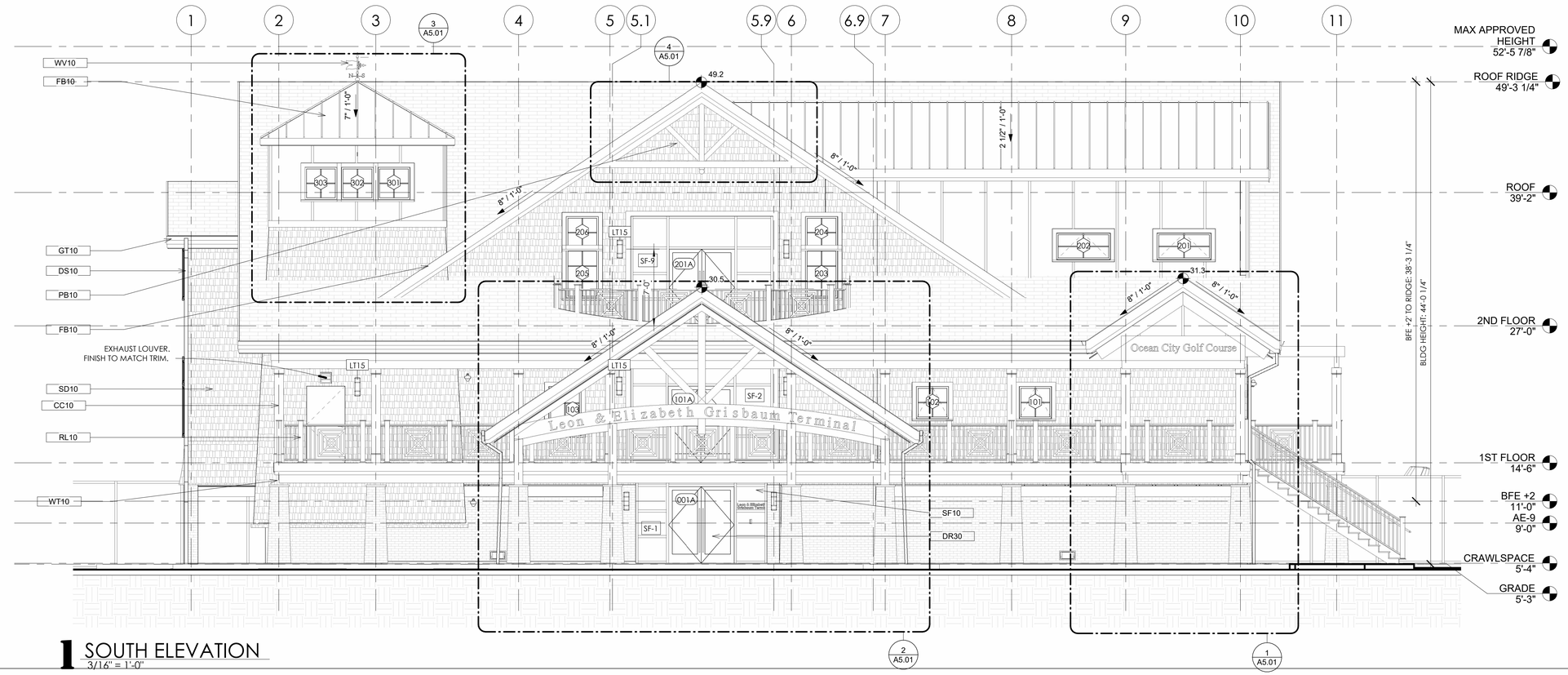
EXTERIOR FINISH LEGEND	
TAG	DESCRIPTION
AS10	30YR ASPHALT SHINGLE HDZ TIMBERLINE BY GAF, COLOR BY ARCHITECT.
BR10	ROYAL THIN BRICK '250 CHARLES' VENEER.
CB10	PTD FYPON DENTIL, STYLE BY ARCHITECT.
CC10	HB&G 10" SQUARE PVC COLUMN SURROUND.
DR30	PTD FIBERGLASS FULL LITE NORMAL STILE INSULATED DOOR.
DS10	PTD. ALUM. RECTANGULAR DOWNSPOUT. COLOR TO MATCH GUTTERS.
FB10	HARDIE FIBER CEMENT FASCIABOARD, ARCTIC WHITE.
FC10	PTD GALV. METAL FENCING FULL HEIGHT OF OPENING.
GR10	42" HIGH ALUM. LOUVERED GUARDRAIL.
GT10	PTD ALUM. 'K' STYLE GUTTER. COLOR TO MATCH DOWNSPOUTS.
LV10	36" DIA. PTD ALUM. LOUVER TO MATCH TRIM.
MR10	15 1/4" STANDING SEAM METAL ROOF W/ 2" SEAM, KYNAR FINISH. FIELD LOK BY ATAS OR EQUAL. COLOR BY ARCHITECT.
MS10	48" HIGH POWDER COATED ALUMINUM LOUVERED MECHANICAL SCREEN.
PB10	POLYURETHANE GABLE PEDIMENT BY FYPON OR EQUAL. COLOR TO MATCH FASCIA.
RL10	42" HIGH INTEX HAMPTON SERIES PVC RAILING SYSTEM W/ DECORATIVE PANEL AND MAHOGANY TOP RAIL.
SD10	HARDIE FIBER CEMENT SHINGLE STAGGERED EDGE SIDING, 6" EXPOSURE. 0.25" THK. COLOR BY ARCHIRECT.
SD20	HARDIE FIBER CEMENT VERTICAL SIDING, 2'W. X 3/4"THK. BATTEN @ 24" O.C. ARCTIC WHITE.
SF10	KAWNEER DOUBLE GLAZED, THERMALLY BROKEN ALUMINUM STOREFRONT.
WT10	ELDORADO CHISELED EDGE WAINSCOT SILL. SMOKE FINISH.
WV10	WEATHERSHIELD CLAD/VINYL METAL STYLE AND FINISH BY ARCHITECT.

1. ALL PRODUCTS & MANUFACTURERS ARE PROVIDED AS A BASIS OF DESIGN. SUBSTITUTIONS ARE PERMITTED PER SPECIFICATIONS.

2. ADD ALTERNATE 3: PROVIDE 13" NUCEDAR SHINGLE SIDING IN LIEU OF HARDIE FIBER CEMENT SHINGLE SIDING (SD10).



2 EAST ELEVATION
3/16" = 1'-0"



1 SOUTH ELEVATION
3/16" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELEVATIONS

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A2.00

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

EXTERIOR FINISH LEGEND	
TAG	**DESCRIPTION**
AS10	30YR ASPHALT SHINGLE HDZ TIMBERLINE BY GAF, COLOR BY ARCHITECT.
BR10	ROYAL THIN BRICK '250 CHARLES' VENEER.
CB10	PTD FYPON DENTIL, STYLE BY ARCHITECT.
CC10	HB&G 10" SQUARE PVC COLUMN SURROUND.
DR30	PTD FIBERGLASS FULL LITE NORMAL STILE INSULATED DOOR.
DS10	PTD. ALUM. RECTANGULAR DOWNSPOUT. COLOR TO MATCH GUTTERS.
FB10	HARDIE FIBER CEMENT FASCIABOARD. ARCTIC WHITE.
FC10	PTD GALV. METAL FENCING FULL HEIGHT OF OPENING.
GR10	42" HIGH ALUM. LOUVERED GUARDRAIL.
GT10	PTD ALUM. 'K' STYLE GUTTER. COLOR TO MATCH DOWNSPOUTS.
LV10	36" DIA. PTD ALUM. LOUVER TO MATCH TRIM.
MR10	15 1/4" STANDING SEAM METAL ROOF W/ 2" SEAM, KYNAR FINISH. FIELD LOK BY ATAS OR EQUAL. COLOR BY ARCHITECT.
MS10	48" HIGH POWDER COATED ALUMINUM LOUVERED MECHANICAL SCREEN.
PB10	POLYURETHANE GABLE PEDIMENT BY FYPON OR EQUAL. COLOR TO MATCH FASCIA.
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SD10	HARDIE FIBER CEMENT SHINGLE STAGGERED EDGE SIDING, 6" EXPOSURE. 0.25" THK. COLOR BY ARCHIRECT.
SD20	HARDIE FIBER CEMENT VERTICAL SIDING, 2'W. X 3/4"THK. BATTEN @ 24" O.C. ARCTIC WHITE.
SF10	KAWNEER DOUBLE GLAZED, THERMALLY BROKEN ALUMINUM STOREFRONT.
WT10	ELDORADO CHISELED EDGE WAINSCOT SILL. SMOKE FINISH.
WV10	WEATHERVANE GALVANIZED METAL, STYLE AND FINISH BY ARCHITECT.

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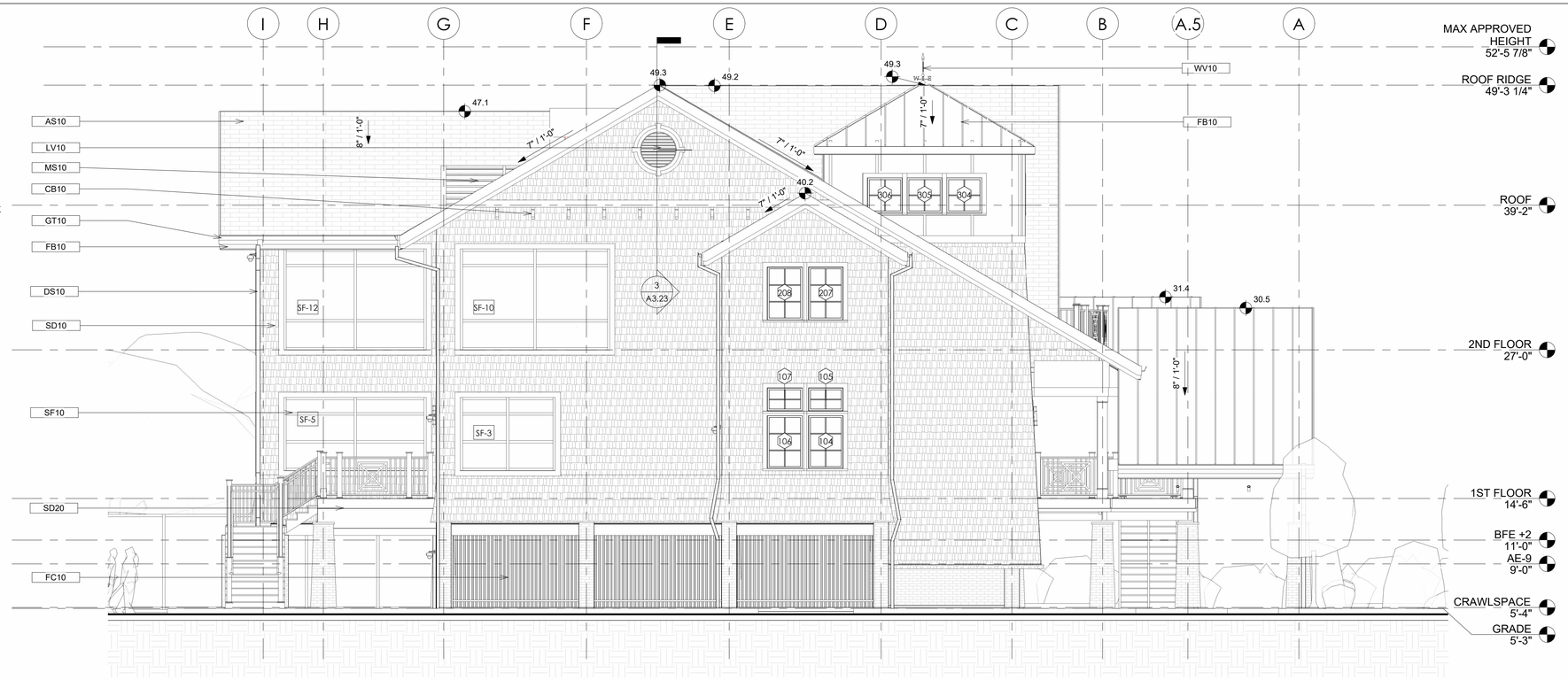

2 WEST ELEVATION
3/16" = 1'-0"

1 NORTH ELEVATION
3/16" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELEVATIONS

Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A2.01

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

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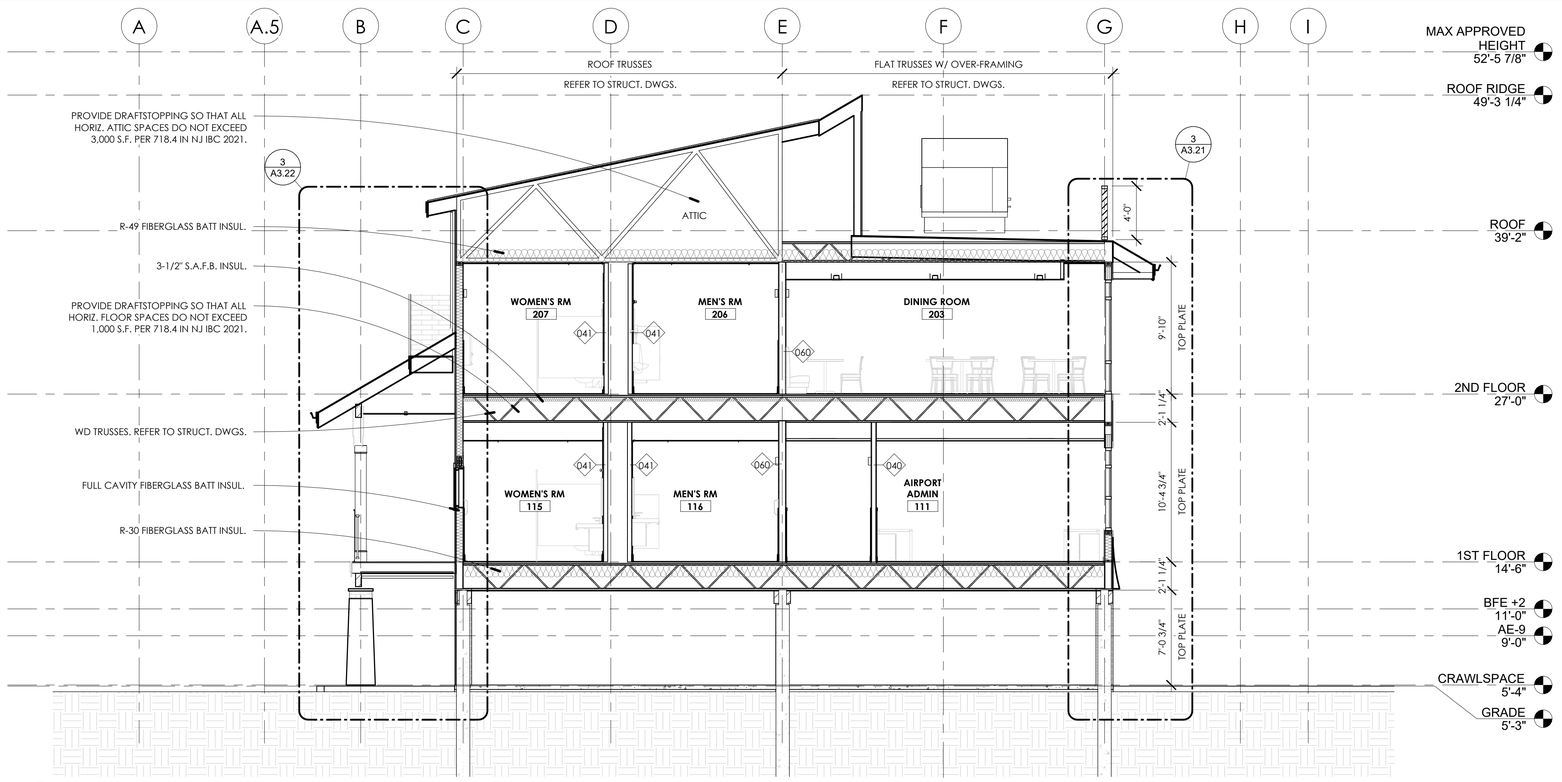
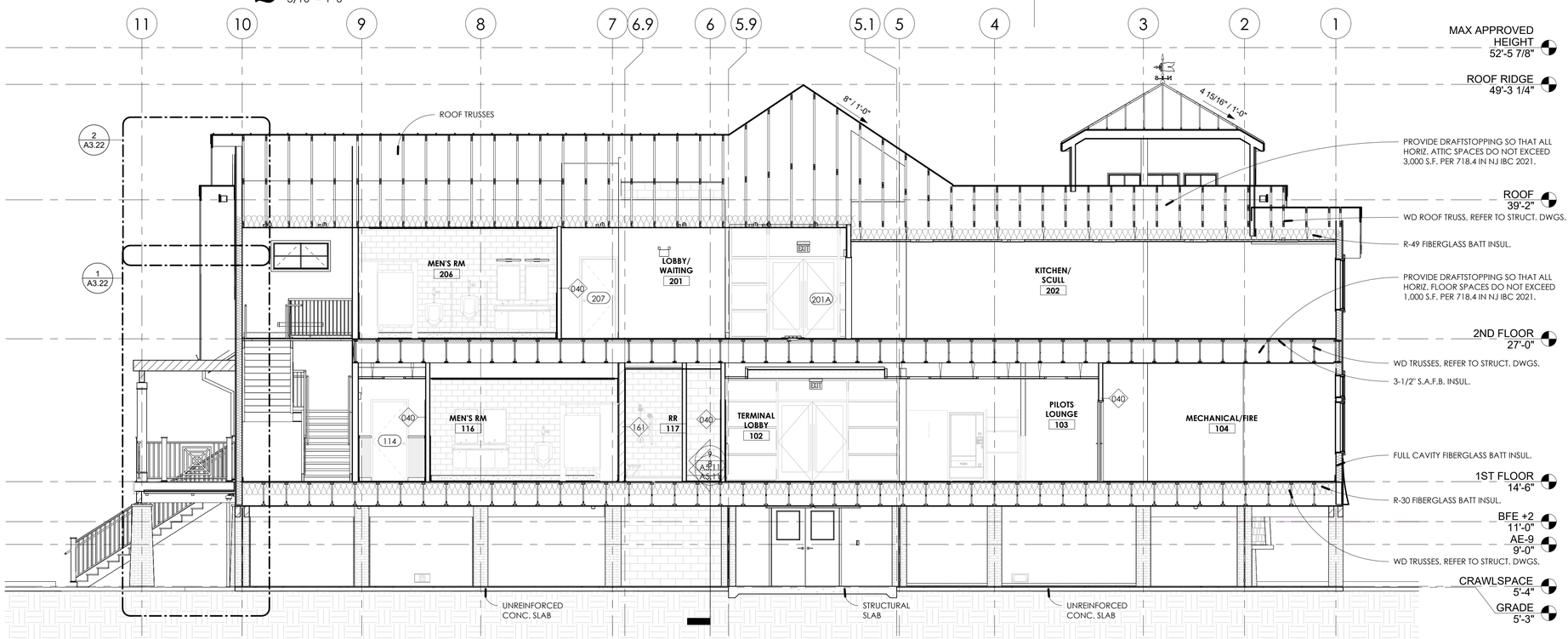


2 BUILDING SECTION - 2
3/16" = 1'-0"



1 BUILDING SECTION - 1
3/16" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

BUILDING SECTIONS

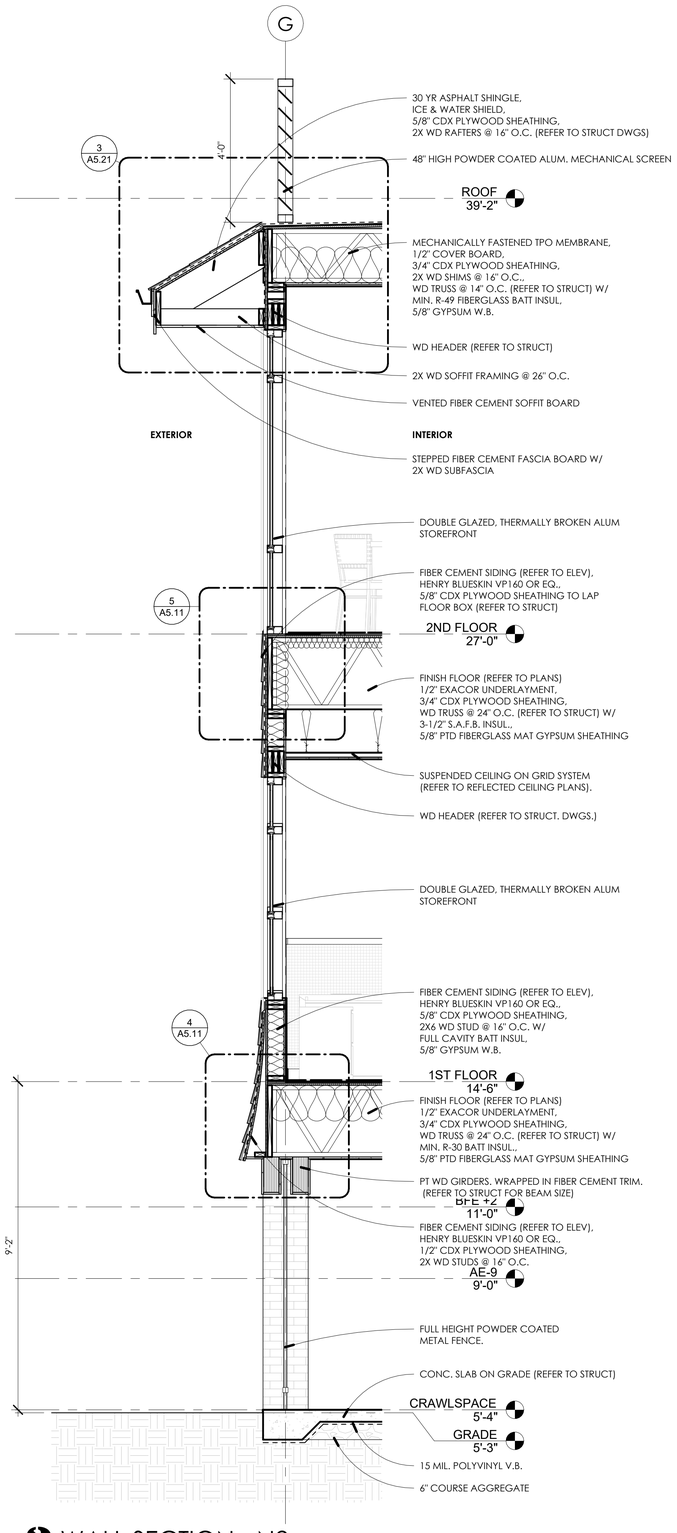
Scale	3/16" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A3.10

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25230C AIRPORT - BASE V22.rvt

8/28/2026 9:50:11 AM



3 WALL SECTION - N2
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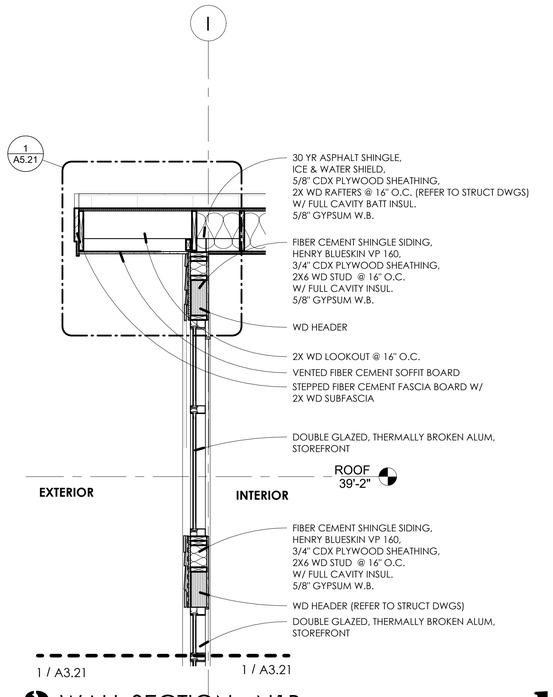
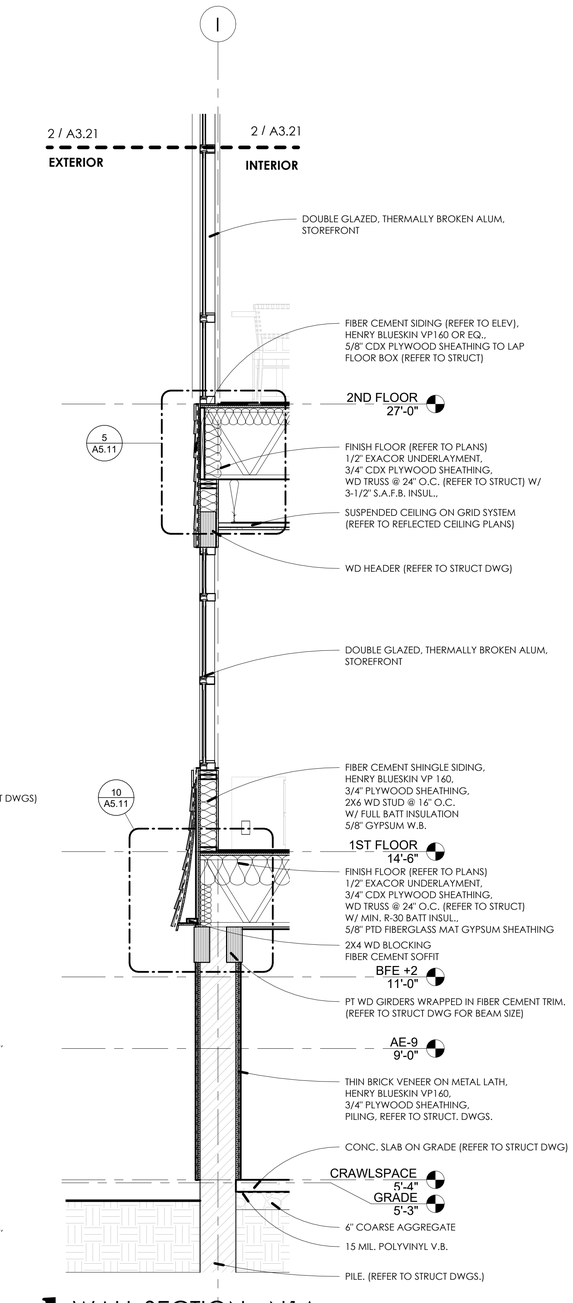


2 WALL SECTION - N1B
1/2" = 1'-0"



1 WALL SECTION - N1A
1/2" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

WALL SECTIONS

Scale	1/2" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A3.21

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\0230C AIRPORT - BASE V6a.rvt

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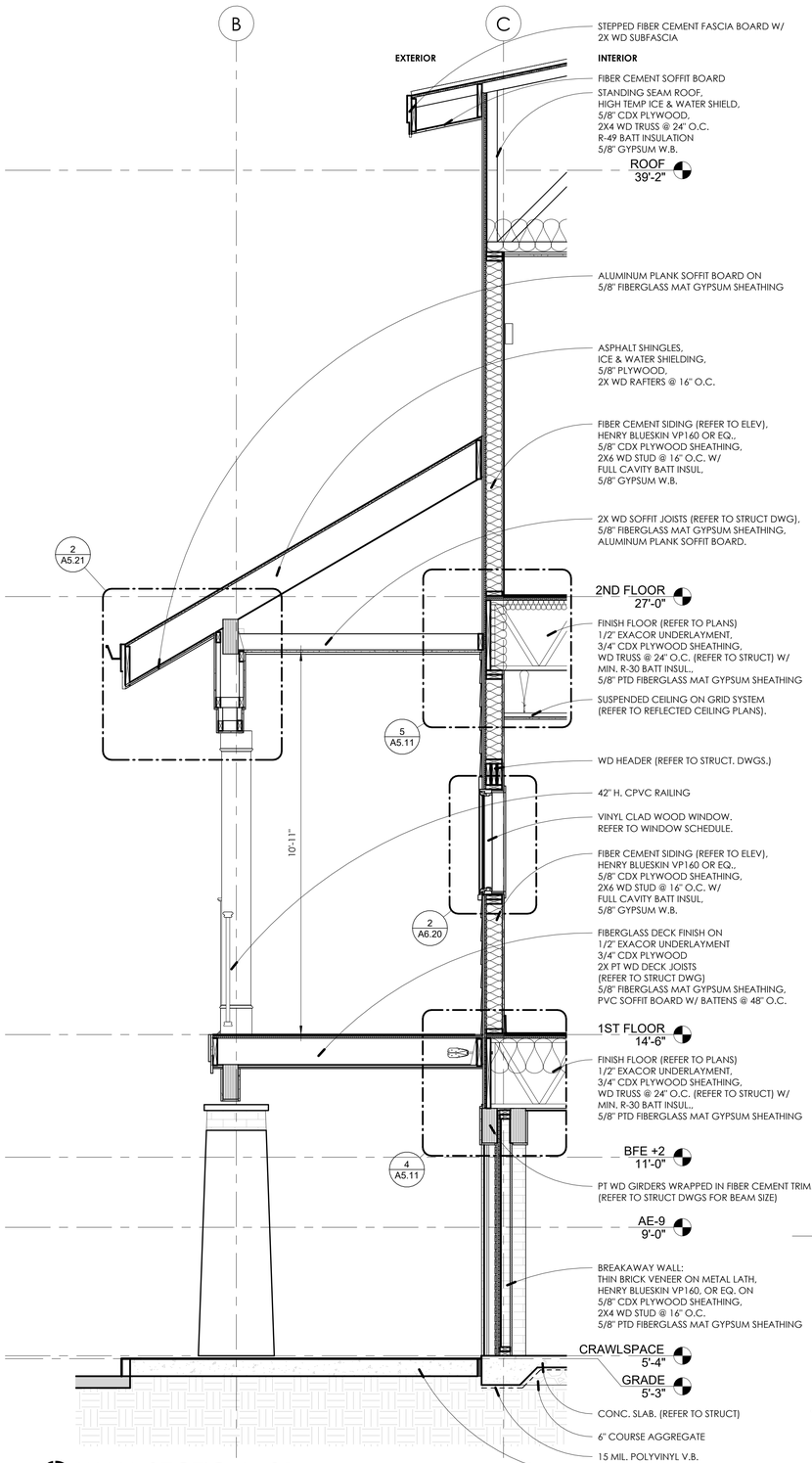

3 WALL SECTION - S1
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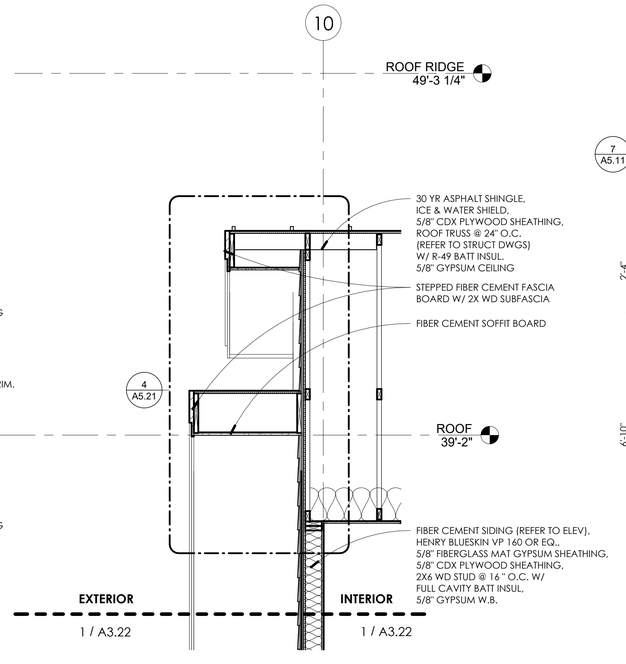
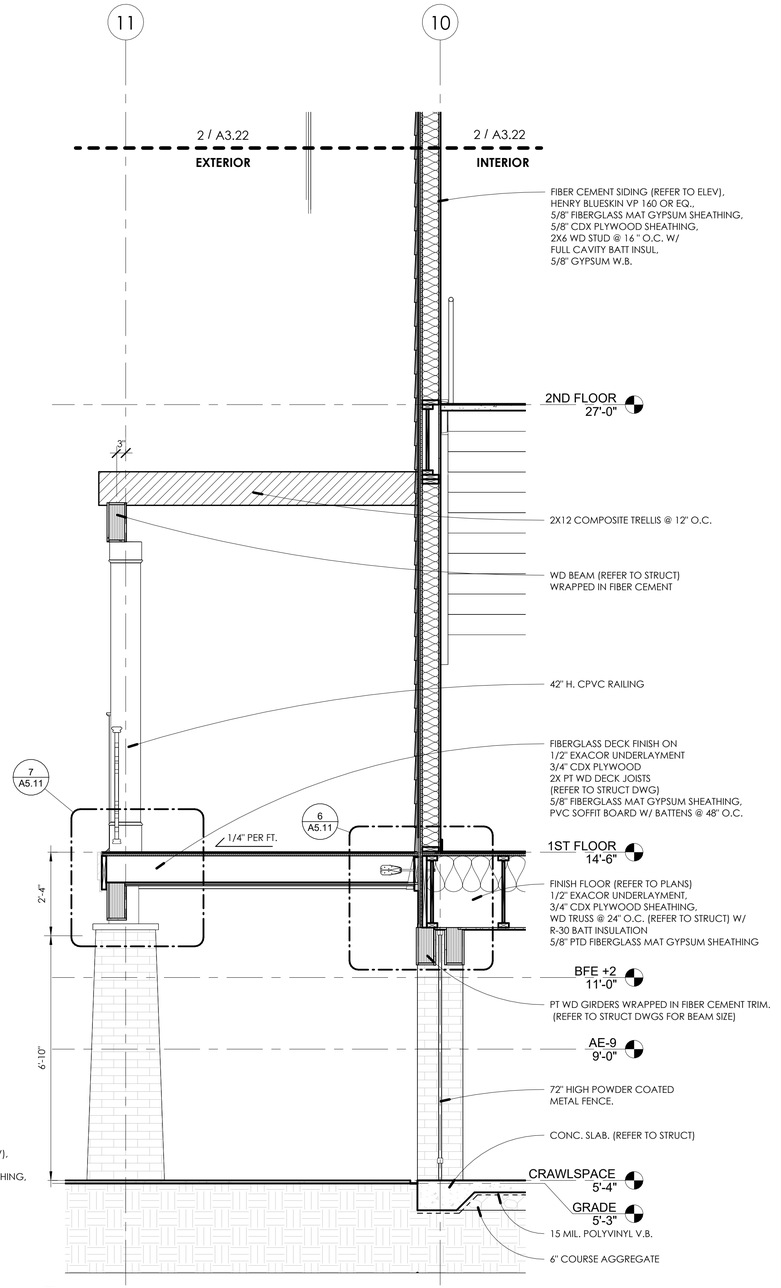


2 WALL SECTION - E1B
1/2" = 1'-0"



1 WALL SECTION - E1A
1/2" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

WALL SECTIONS

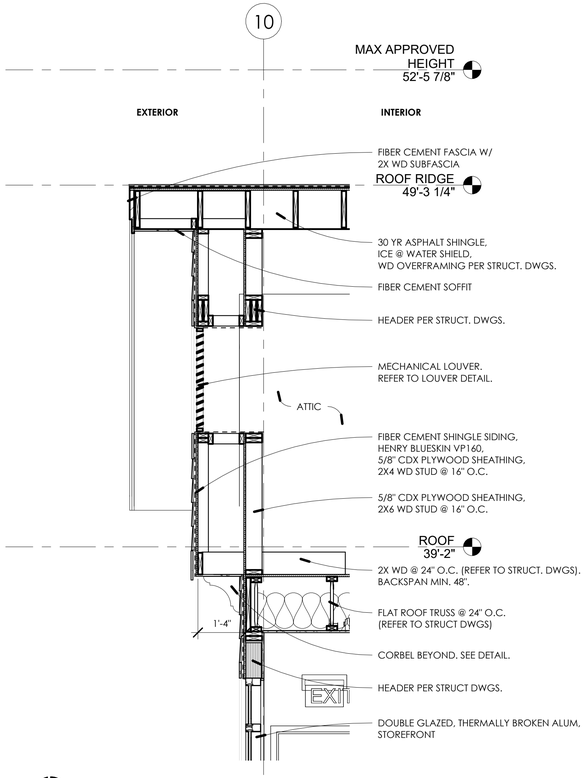
Scale	1/2" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A3.22

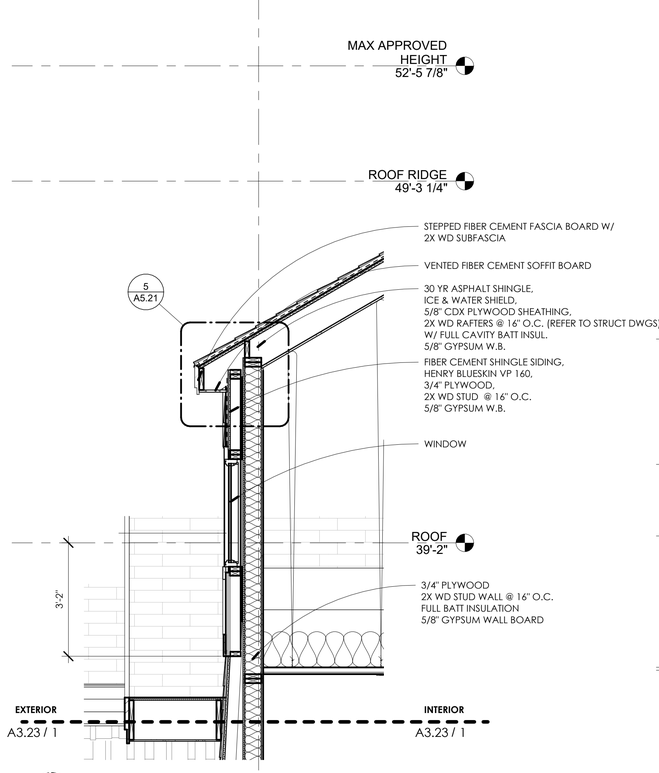
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25OC AIRPORT - BASE VEG.rvt

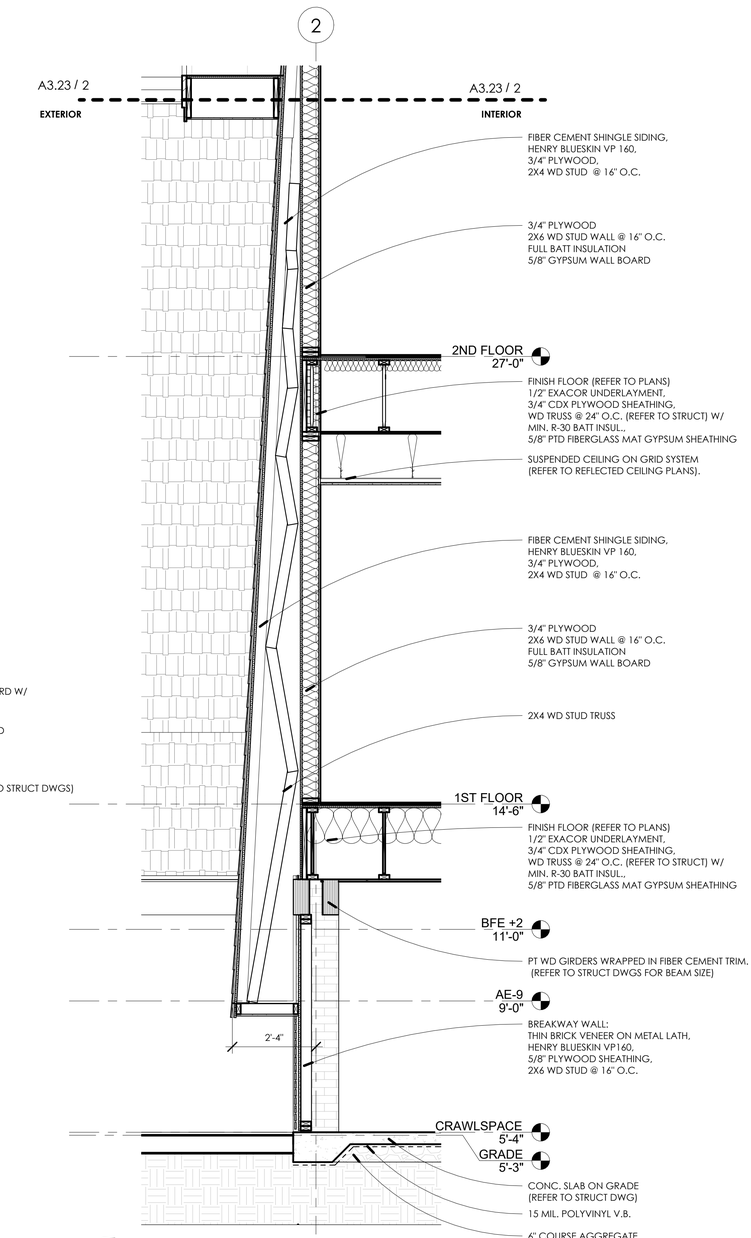
8/28/2026 9:50:13 AM



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



2 WALL SECTION - W1B
1/2" = 1'-0"



1 WALL SECTION - W1A
1/2" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

WALL SECTIONS

Scale	1/2" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A3.23

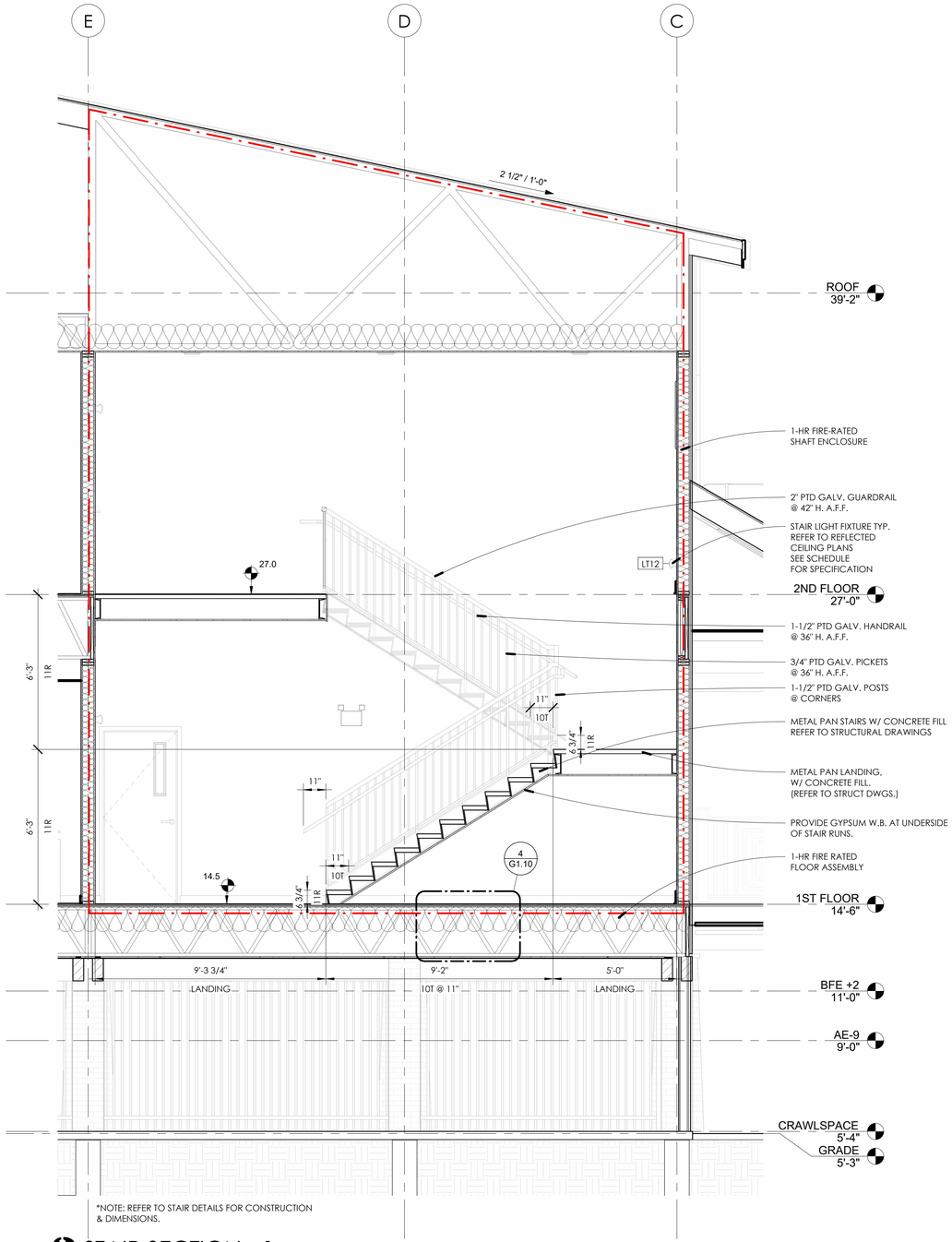
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\23OC AIRPORT - BASE VEG.rvt

8/28/2026 9:50:13 AM

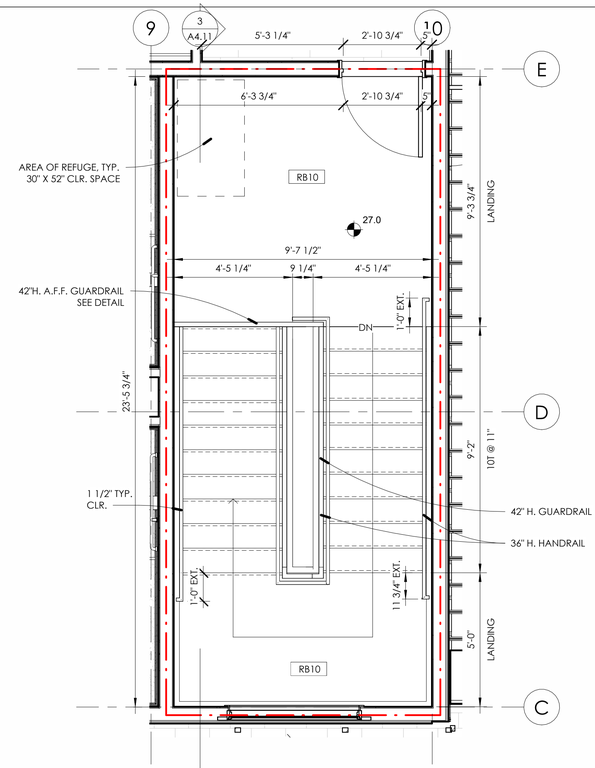
TYPICAL STAIR NOTES

1. ALL STAIR DIMENSIONS ARE TAKEN FROM RUBBER FLOOR FINISH. FLOORING FINISH ASSUMED TO BE 1/8" THICK. CONTRACTOR TO COORDINATE FINAL MATERIAL THICKNESS IN FIELD.
2. TOP OF STRUCTURAL SUBFLOOR TO BE ALIGNED WITH ARCHITECTURAL FLOOR LEVELS.
3. SEE STAIR DETAILS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION.

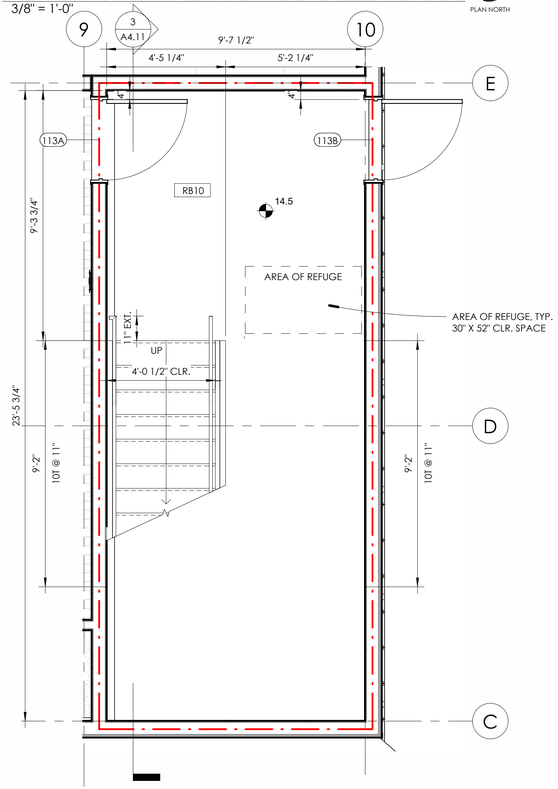


*NOTE: REFER TO STAIR DETAILS FOR CONSTRUCTION & DIMENSIONS.

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



2 ENLARGED 3RD FLOOR PLAN - STAIR 1
3/8" = 1'-0"



1 ENLARGED 2ND FLOOR PLAN - STAIR 1
3/8" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

STAIR 1 PLANS & SECTIONS

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A4.11

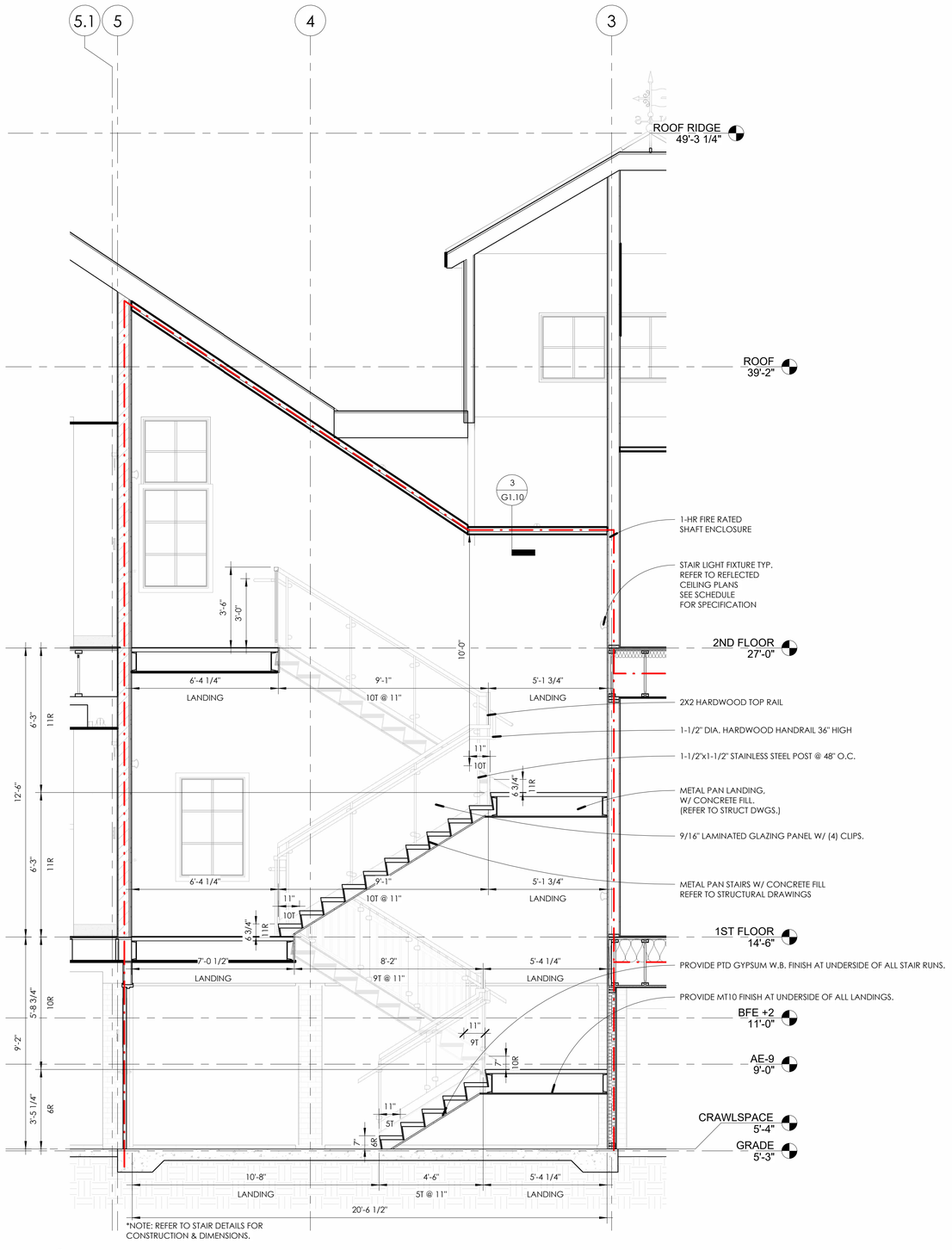
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Rev1\25230C AIRPORT - BASE V6a.rvt

8/28/2026 9:50:18 AM

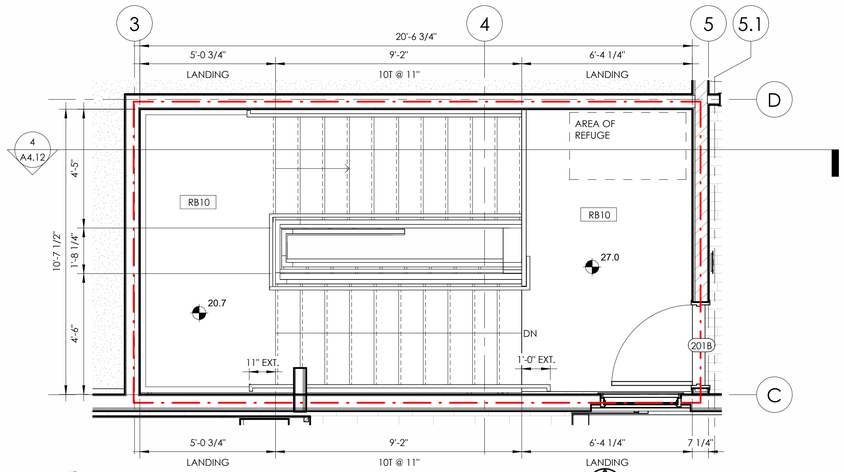
TYPICAL STAIR NOTES

1. ALL STAIR DIMENSIONS ARE TAKEN FROM RUBBER FLOOR FINISH. FLOORING FINISH ASSUMED TO BE 1/8" THICK. CONTRACTOR TO COORDINATE FINAL MATERIAL THICKNESS IN FIELD.
2. TOP OF STRUCTURAL SUBFLOOR TO BE ALIGNED WITH ARCHITECTURAL FLOOR LEVELS.
3. SEE STAIR DETAILS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION.

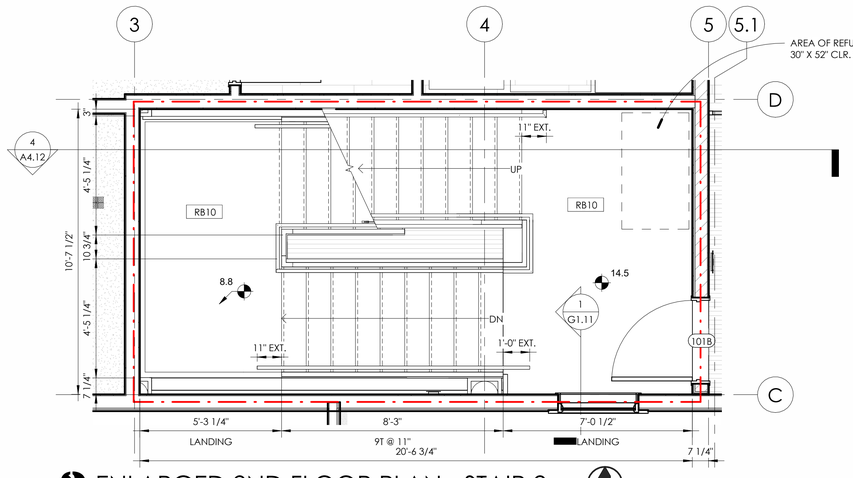


*NOTE: REFER TO STAIR DETAILS FOR CONSTRUCTION & DIMENSIONS.

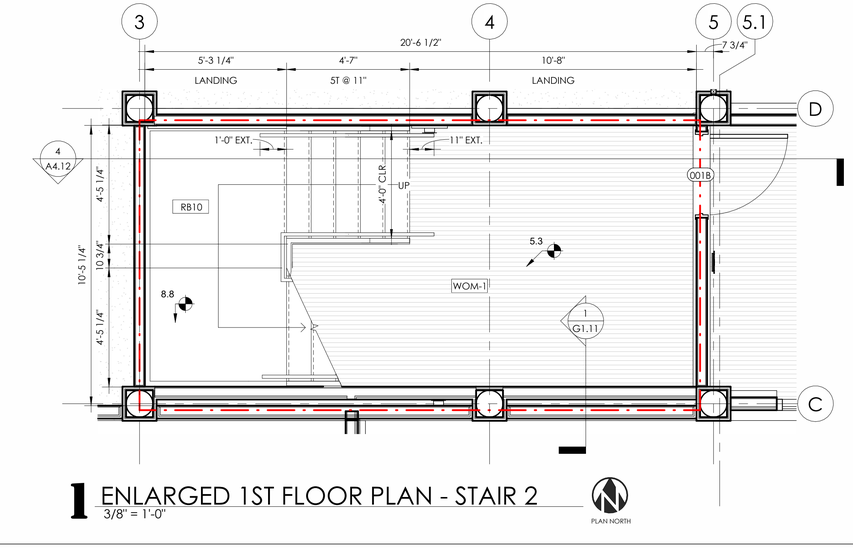
4 STAIR SECTION - 2
3/8" = 1'-0"



3 ENLARGED 3RD FLOOR PLAN - STAIR 2
3/8" = 1'-0"



2 ENLARGED 2ND FLOOR PLAN - STAIR 2
3/8" = 1'-0"



1 ENLARGED 1ST FLOOR PLAN - STAIR 2
3/8" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

STAIR 2 PLANS & SECTIONS

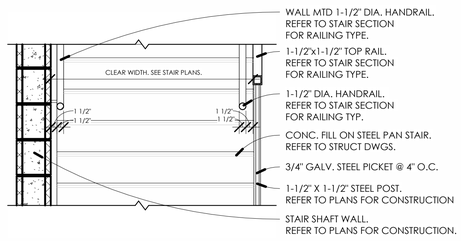
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A4.12

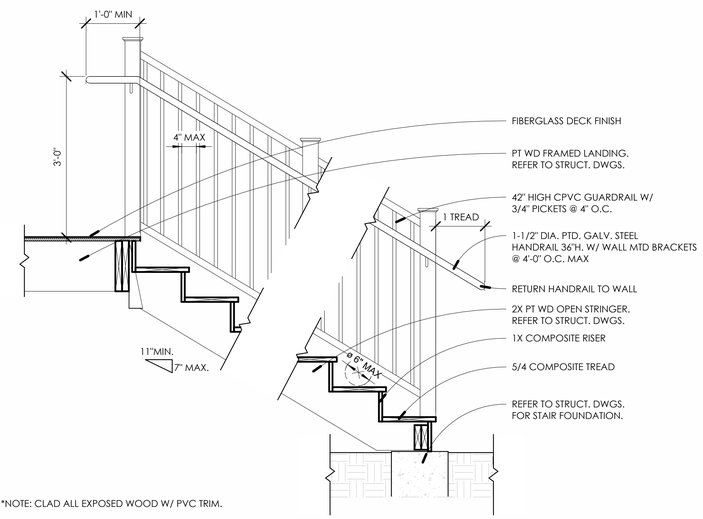
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\23OC AIRPORT - BASE VEG.rvt

8/28/2026 9:50:23 AM

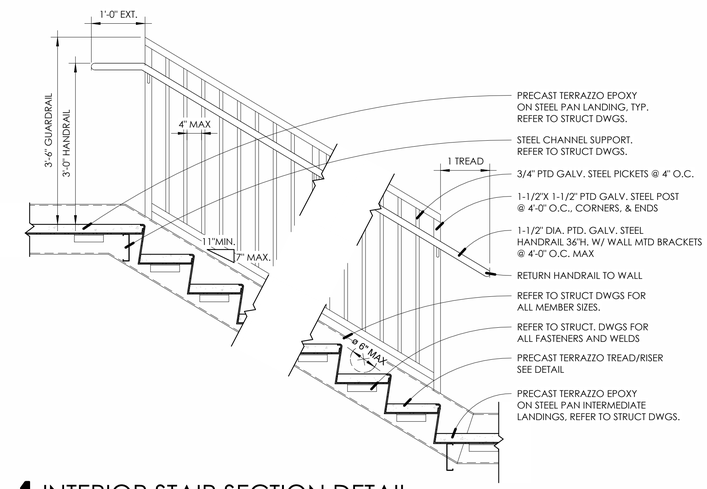


6 TYP. PERP. STAIR SECTION DETAIL
3/4" = 1'-0"

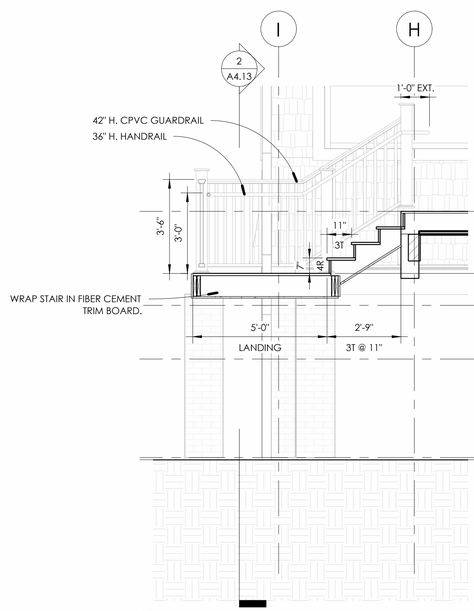


*NOTE: CLAD ALL EXPOSED WOOD W/ PVC TRIM.

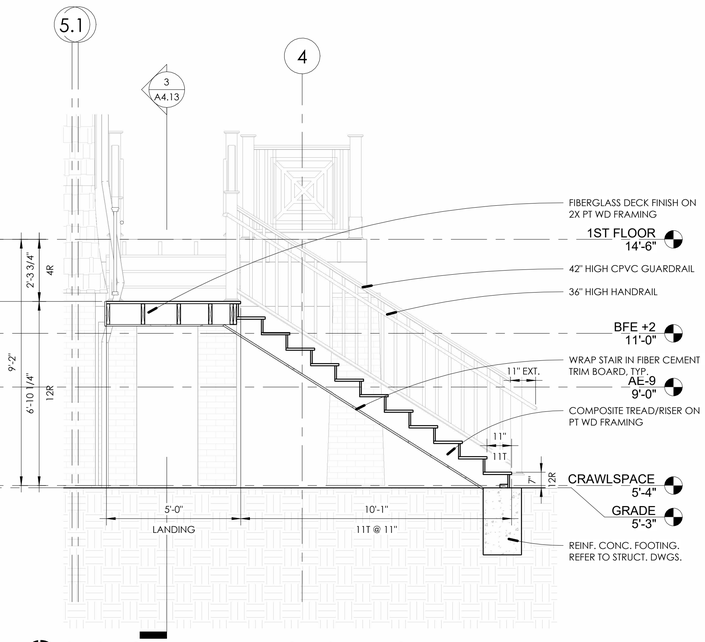
5 EXTERIOR STAIR SECTION DETAIL
3/4" = 1'-0"



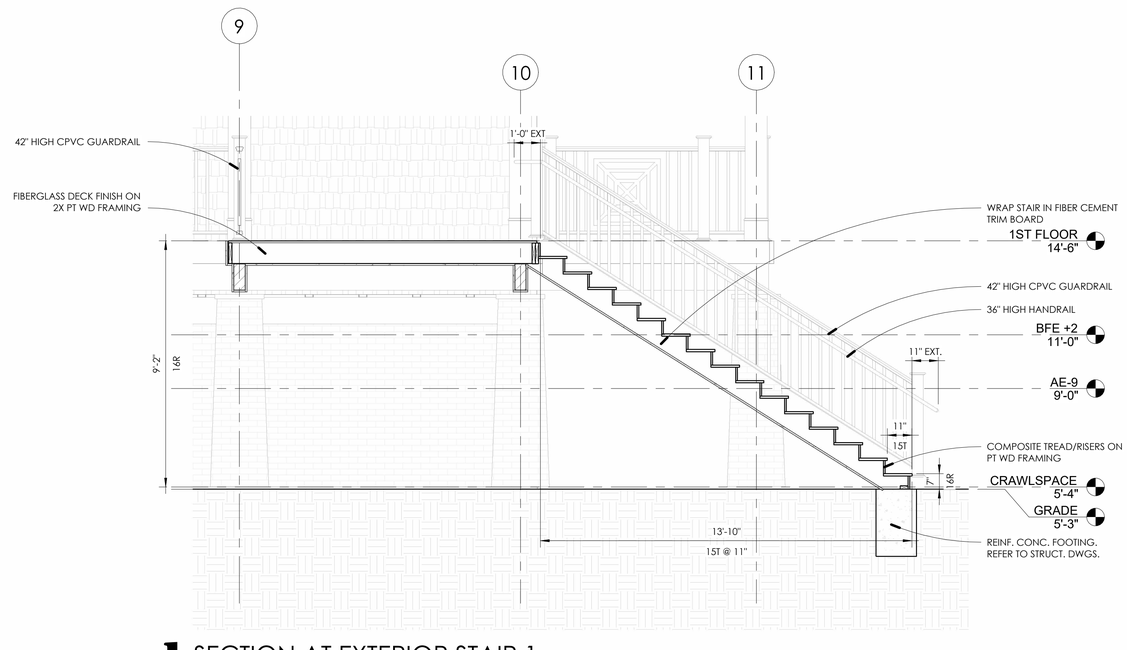
4 INTERIOR STAIR SECTION DETAIL
3/4" = 1'-0"



3 SECTION AT EXTERIOR STAIR 2B
3/8" = 1'-0"



2 SECTION AT EXTERIOR STAIR 2A
3/8" = 1'-0"



1 SECTION AT EXTERIOR STAIR 1
3/8" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

STAIR SECTIONS & DETAILS

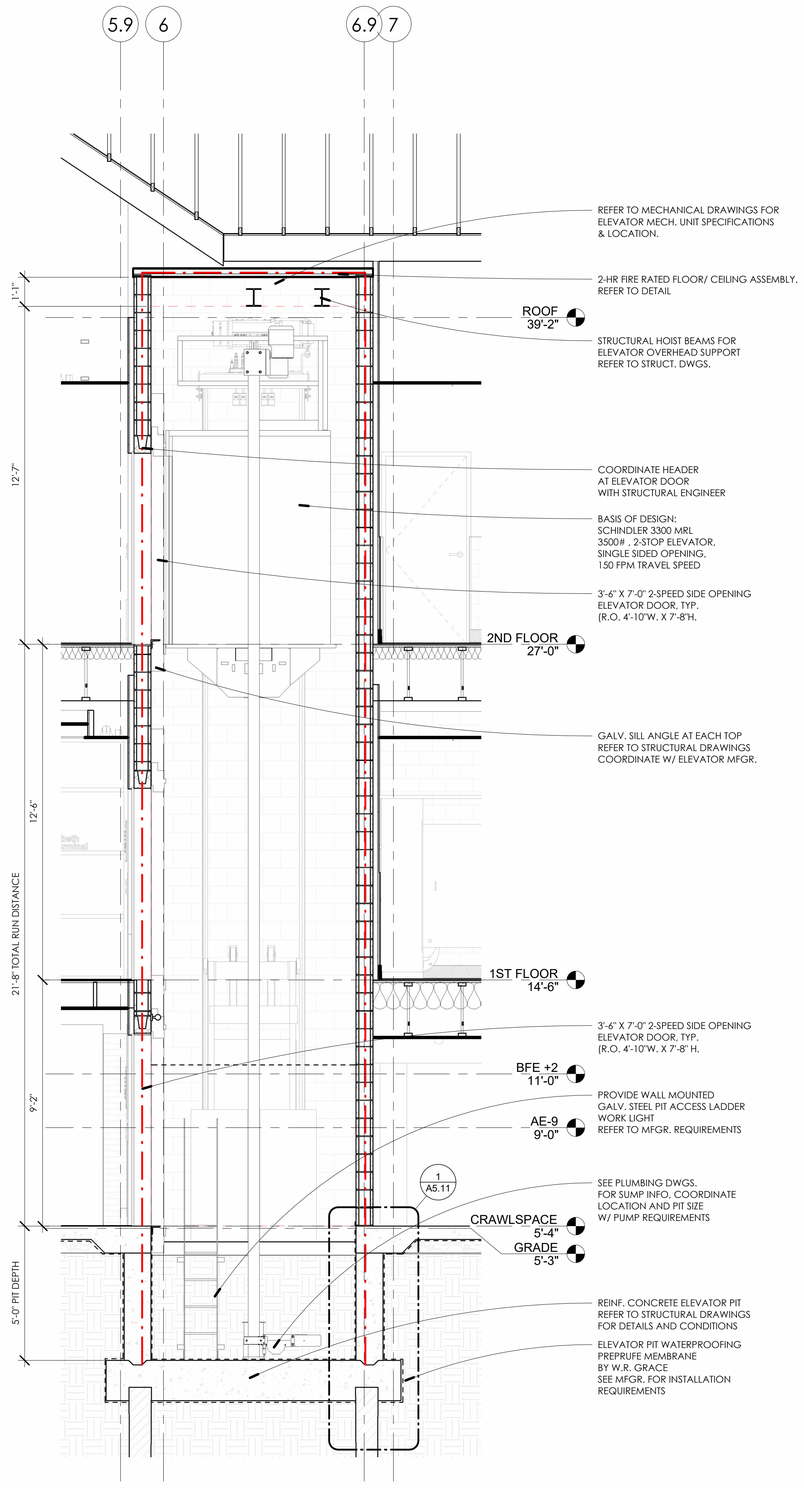
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A4.13

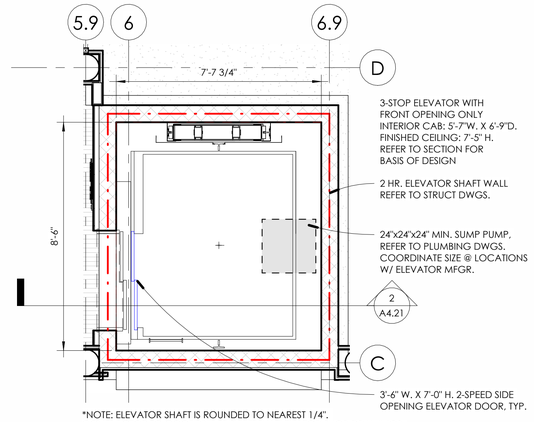
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25230C AIRPORT - BASE V25.rvt

8/28/2026 9:50:27 AM



2 PASSENGER ELEVATOR SECTION
3/8" = 1'-0"



*NOTE: ELEVATOR SHAFT IS ROUNDED TO NEAREST 1/4". CONTRACTOR TO COORDINATE SHAFT W/ ELEVATOR SHOP DRAWINGS.

1 ENLAGRED PLAN - PASSANGER ELEVATOR
3/8" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELEVATOR PLANS AND SECTIONS

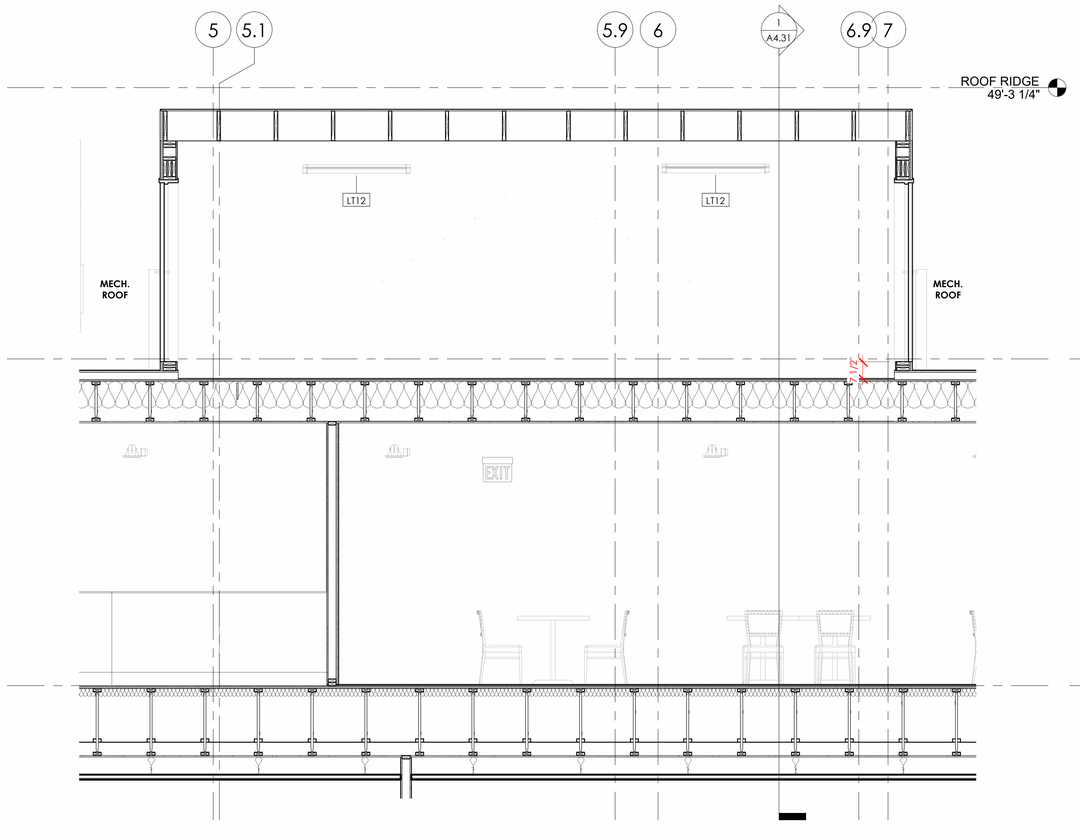
Scale	3/8" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A4.21

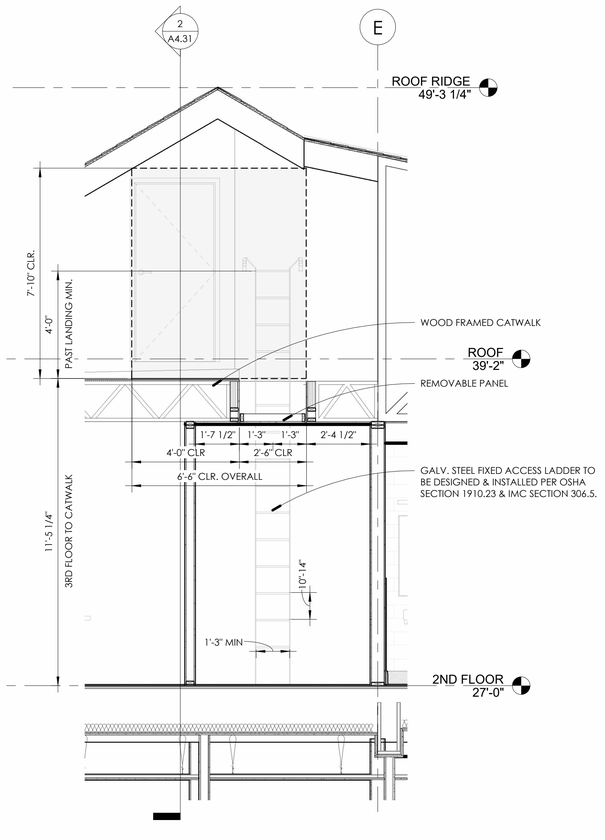
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

8/28/2026 9:50:52 AM



2 ROOF ACCESS SECTION - 2
3/8" = 1'-0"



1 ROOF ACCESS SECTION - 1
3/8" = 1'-0"

william mclees
architecture

5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ROOF ACCESS

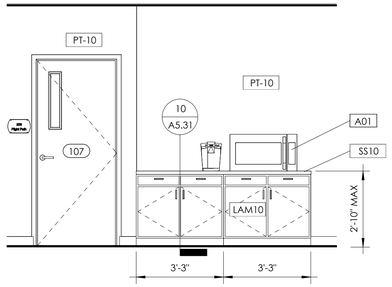
Scale	3/8" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A4.31

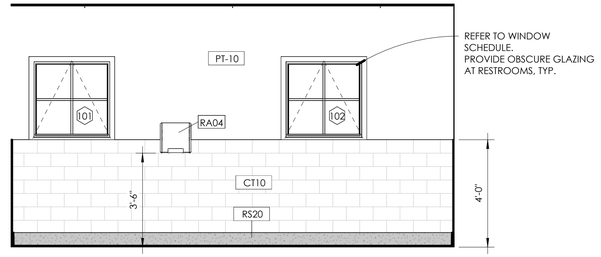
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE V6a.rvt

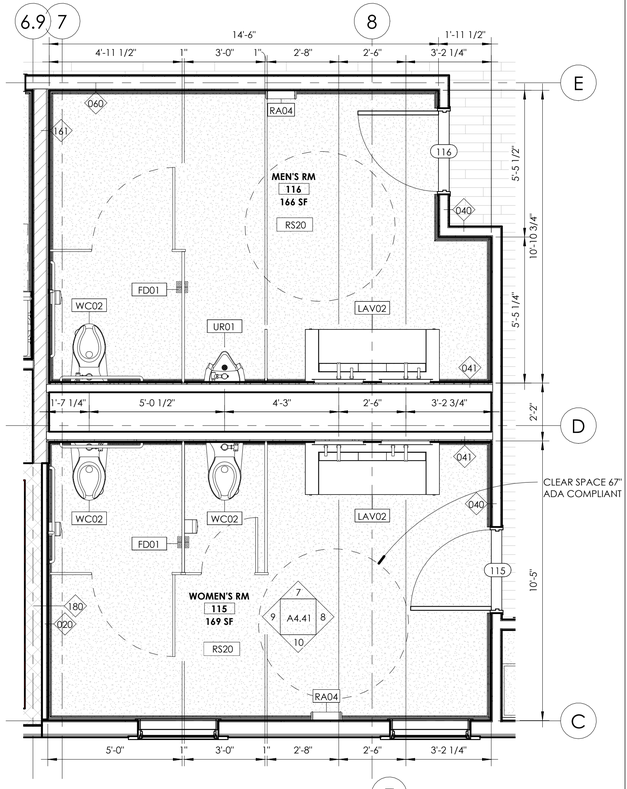
8/28/2026 9:45:05 AM



11 INT. ELEVATION - KITCHENETTE
3/8" = 1'-0"

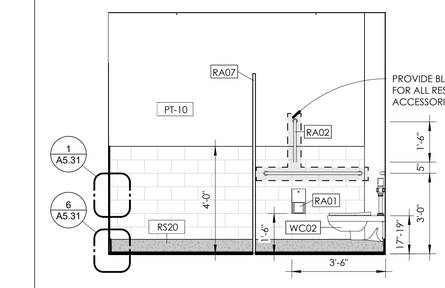


10 INT. ELEVATION - RM 115 S
3/8" = 1'-0"

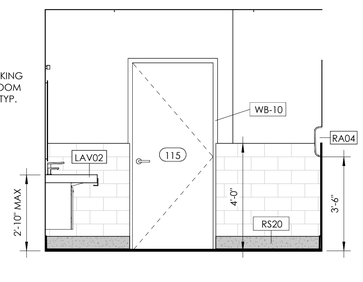


6 1ST FLOOR ENLARGED PLAN - RESTROOMS
3/8" = 1'-0"

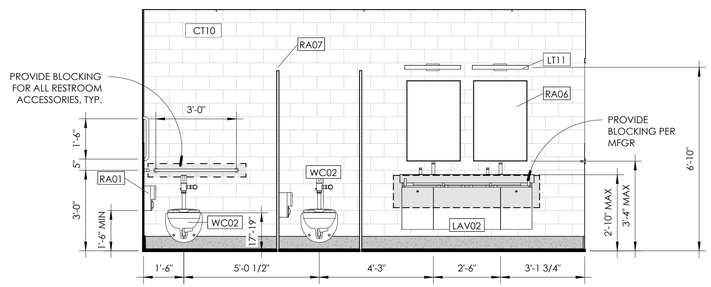
PLAN NORTH



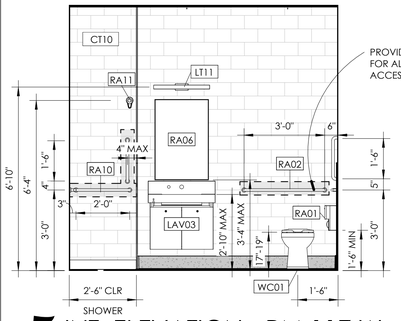
9 INT. ELEVATION - RM 115 W
3/8" = 1'-0"



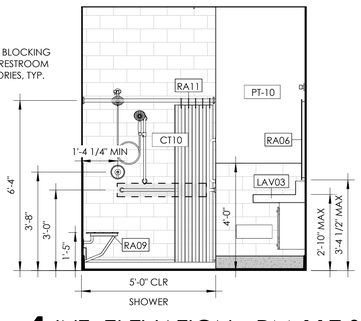
8 INT. ELEVATION - RM 115 E
3/8" = 1'-0"



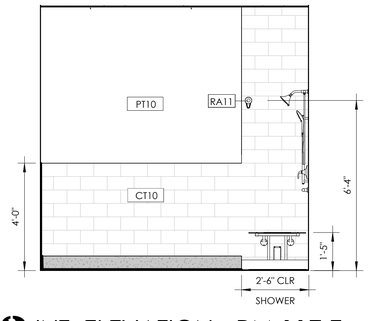
7 INT. ELEVATION - RM 115 N
3/8" = 1'-0"



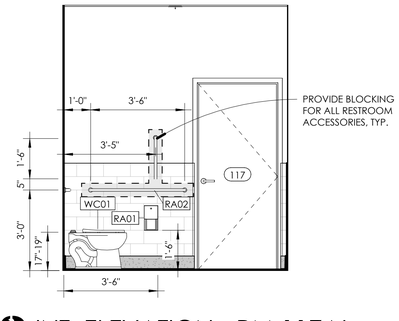
5 INT. ELEVATION - RM 117 W
3/8" = 1'-0"



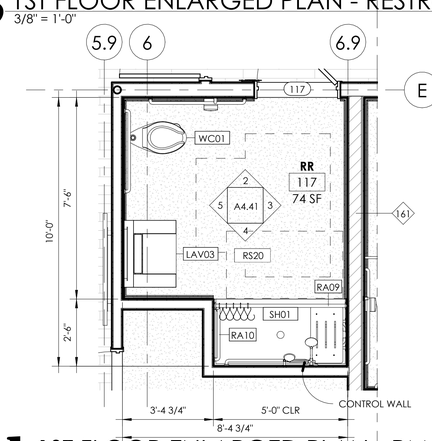
4 INT. ELEVATION - RM 117 S
3/8" = 1'-0"



3 INT. ELEVATION - RM 117 E
3/8" = 1'-0"



2 INT. ELEVATION - RM 117 N
3/8" = 1'-0"



1 1ST FLOOR ENLARGED PLAN - RM 117
3/8" = 1'-0"

PLAN NORTH

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ENLARGED VIEWS

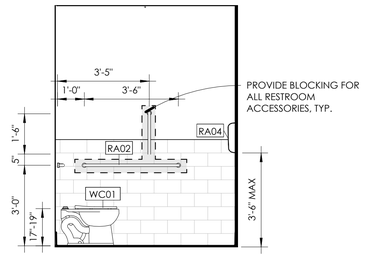
Scale	3/8" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A4.41

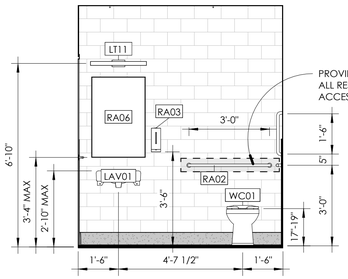
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25023OC AIRPORT - BASE V22.rvt

8/28/2026 9:50:39 AM



8 INT. ELEVATION - RM 205 S
3/8" = 1'-0"



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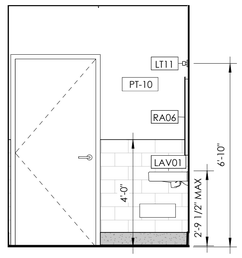
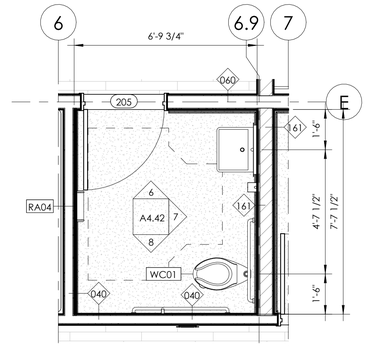
3/8" = 1'-0"

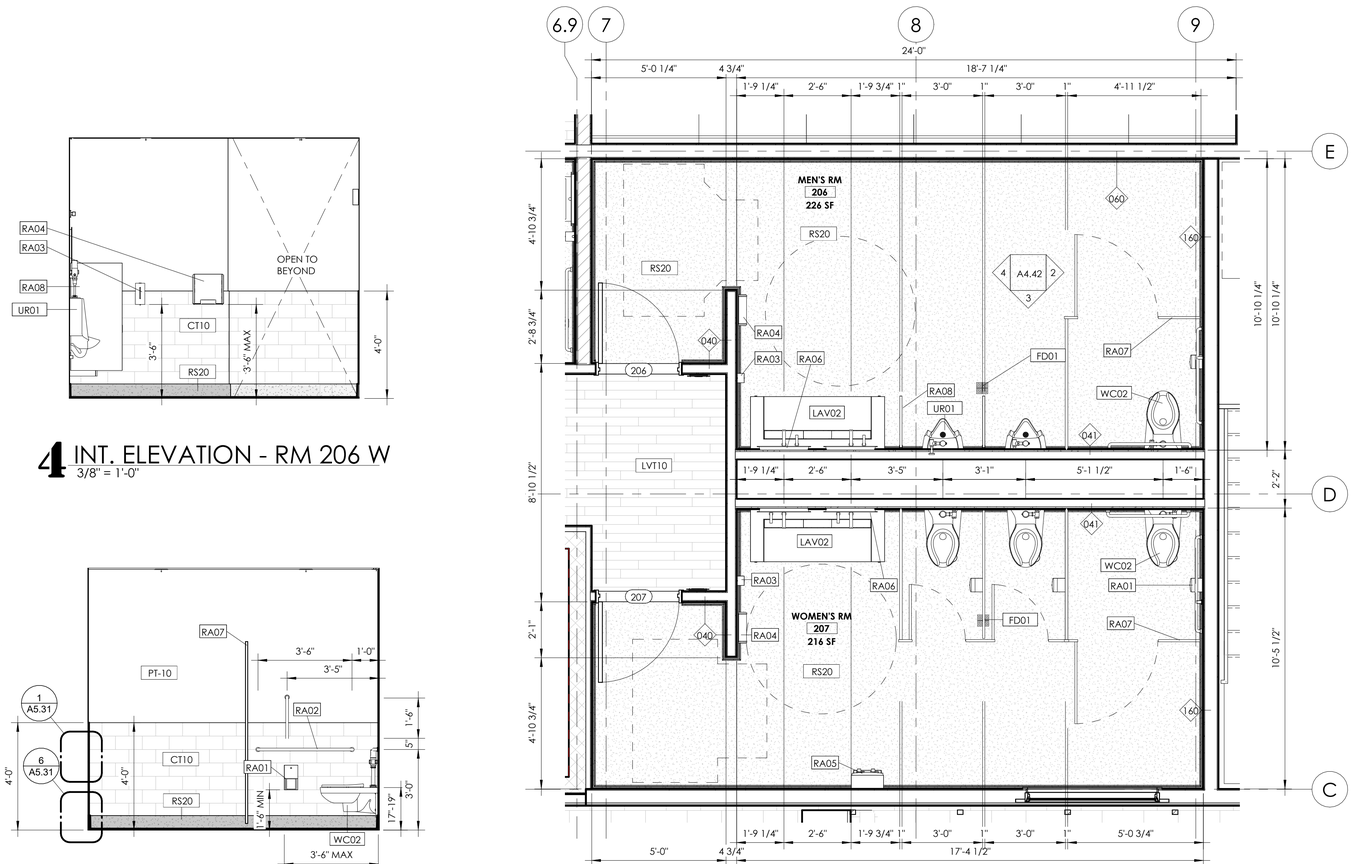


6 INT. ELEVATION - RM 205 N
3/8" = 1'-0"



5 3RD FLOOR ENLARGED PLAN - RM 205
3/8" = 1'-0"

PLAN NORTH



PLAN NORTH

4 INT. ELEVATION - RM 206 W
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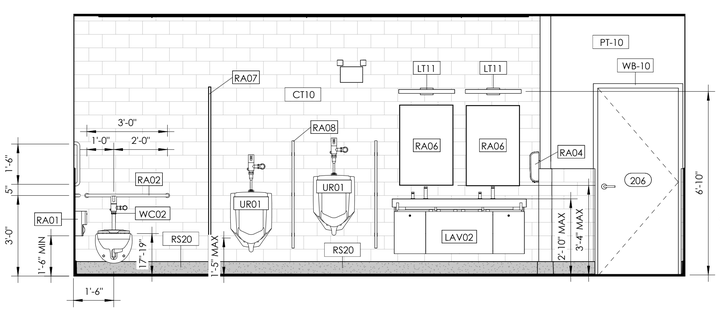

3 INT. ELEVATION - RM 206 S
3/8" = 1'-0"

2 INT. ELEVATION - RM 206 E
3/8" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ENLARGED VIEWS

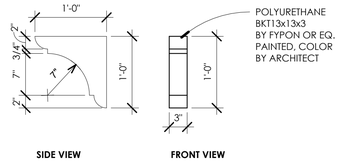
Scale	3/8" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A4.42

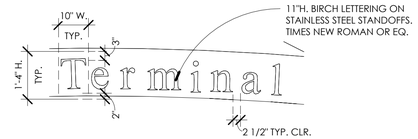
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25230C AIRPORT - BASE VEG.rvt

8/28/2026 9:50:42 AM

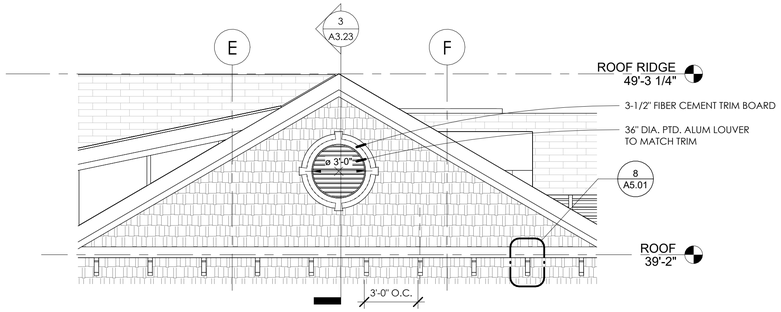


8 TYP. CORBEL DETAIL
1" = 1'-0"

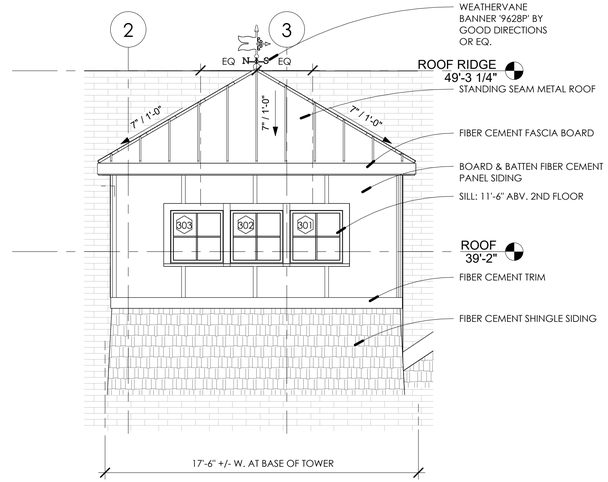


7 SIGN DETAIL 2
1/2" = 1'-0"

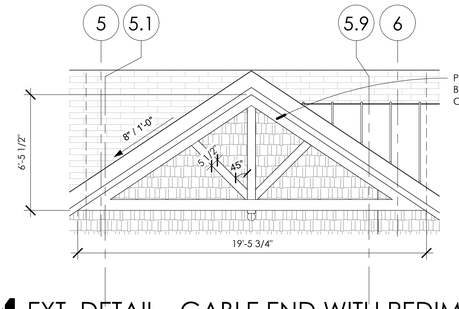
6 SIGN DETAIL 1
1/2" = 1'-0"



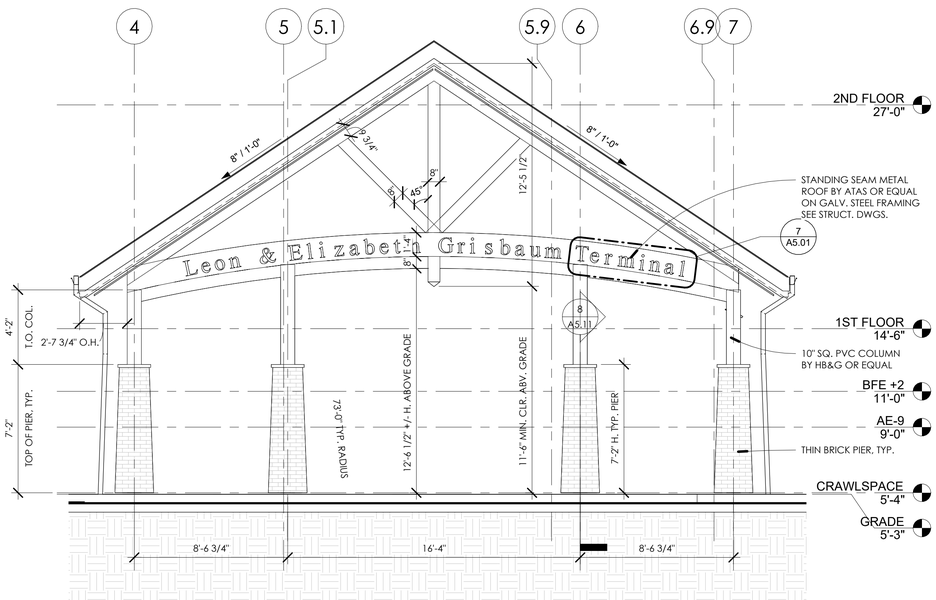
5 EXT. DETAIL - GABLE END WITH CORBEL
1/4" = 1'-0"



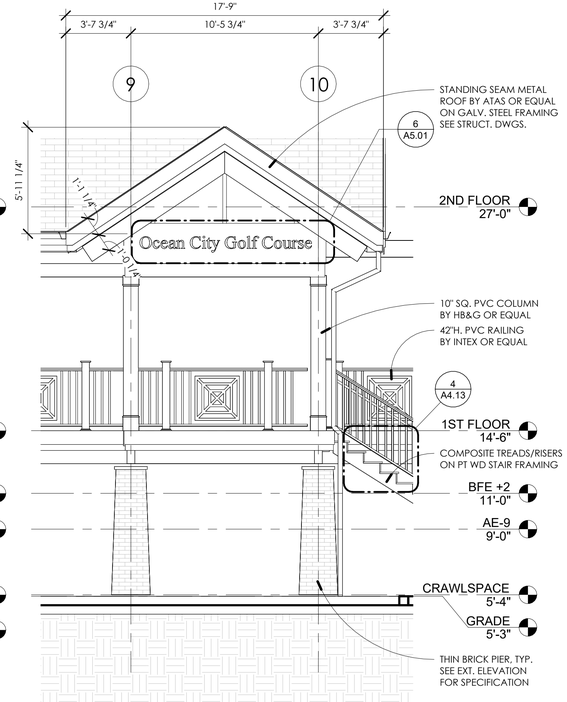
3 EXT. DETAIL - TOWER
1/4" = 1'-0"



4 EXT. DETAIL - GABLE END WITH PEDIMENT
1/4" = 1'-0"



2 EXTERIOR DETAIL - AIRPORT ENTRANCE
1/4" = 1'-0"



1 EXT. DETAIL - GOLF ENTRANCE
1/4" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ENLARGED EXTERIOR ELEVATIONS and SIGN DETAILS

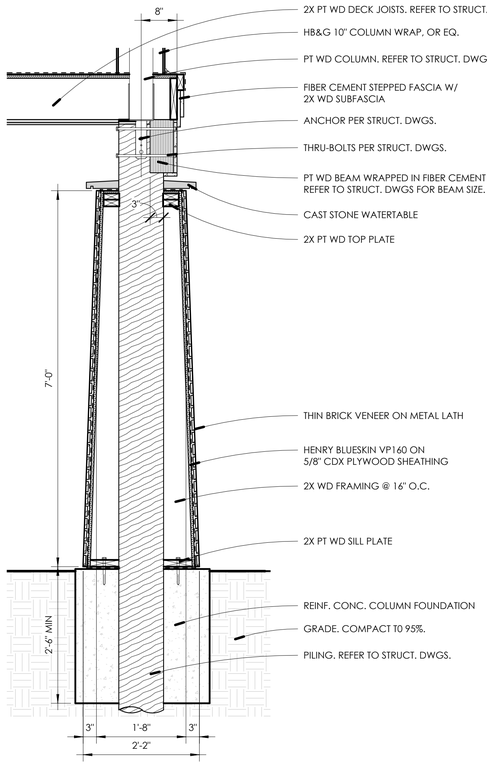
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A5.01

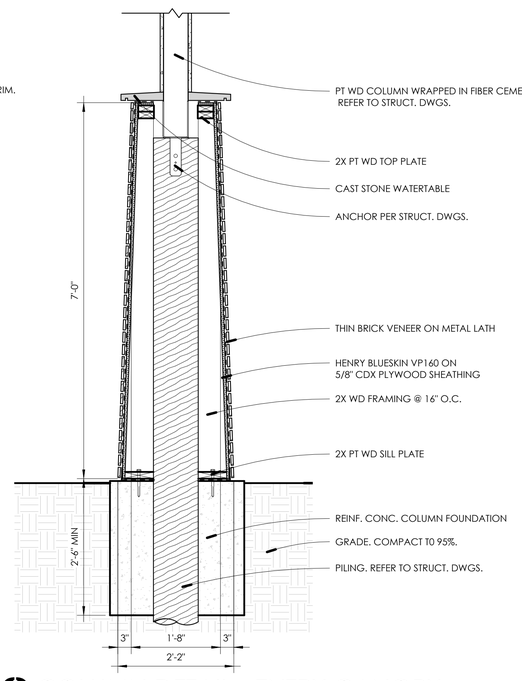
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\23OC AIRPORT - BASE VEG.rvt

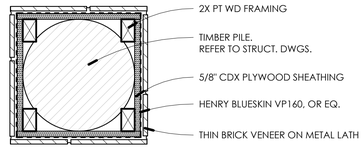
8/28/2026 9:50:44 AM



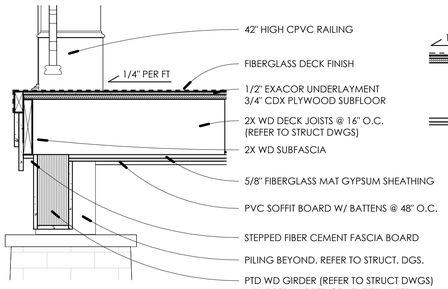
9 COLUMN DETAIL - DECK
3/4" = 1'-0"



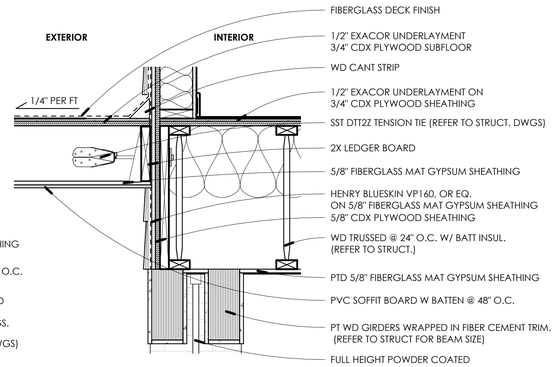
8 COLUMN DETAIL - ENTRY CANOPY
3/4" = 1'-0"



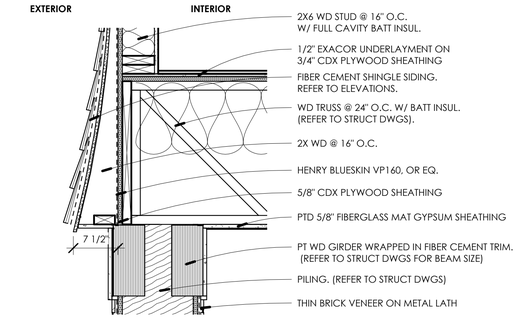
11 PILING SURROUND DETAIL
1 1/2" = 1'-0"



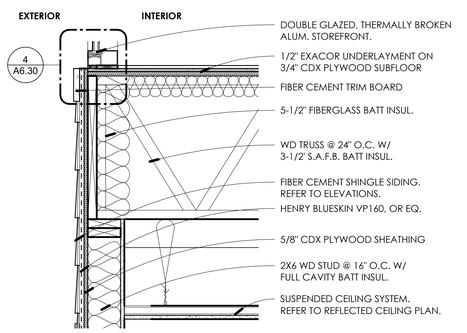
7 DECK EDGE DETAIL
1" = 1'-0"



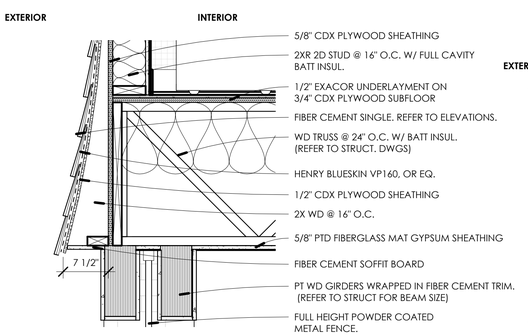
6 DECK/EXT. WALL DETAIL
1" = 1'-0"



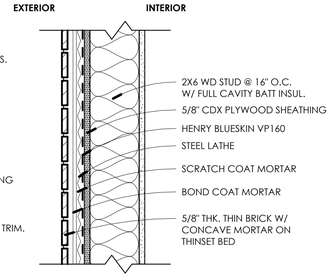
10 EXTERIOR SKIRT DETAIL AT STOREFRONT
1" = 1'-0"



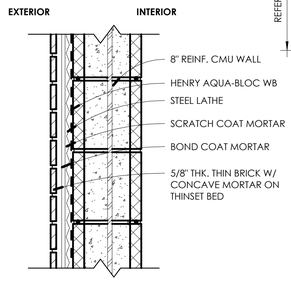
5 WALL/FLOOR DETAIL - 1
1" = 1'-0"



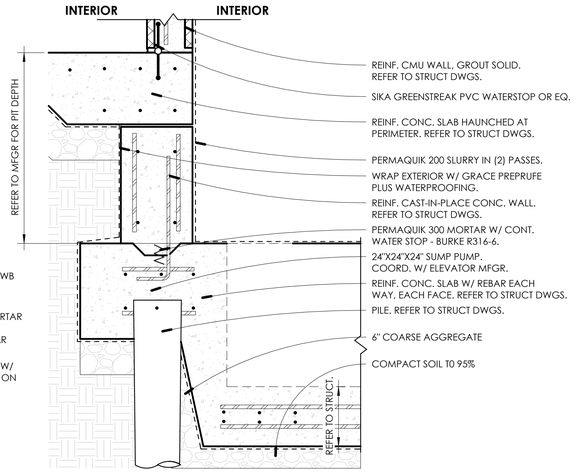
4 1ST FLOOR/WALL DETAIL
1" = 1'-0"



3 THIN BRICK DETAIL - 2
1 1/2" = 1'-0"



2 THIN BRICK DETAIL - 1
1 1/2" = 1'-0"



1 ELEVATOR FOOTING
1" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

BUILDING DETAILS - FOUNDATIONS, EXTERIOR WALLS & FLOORS

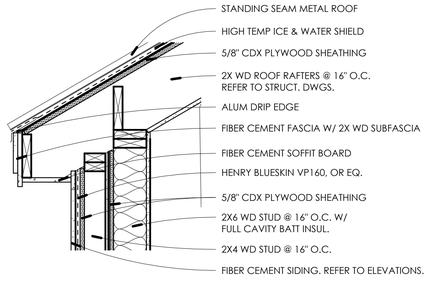
Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A5.11

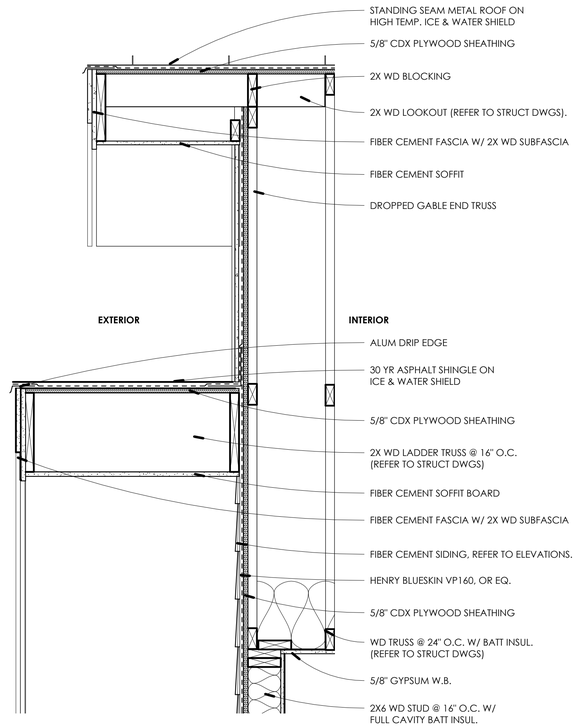
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25023OC AIRPORT - BASE V22.rvt

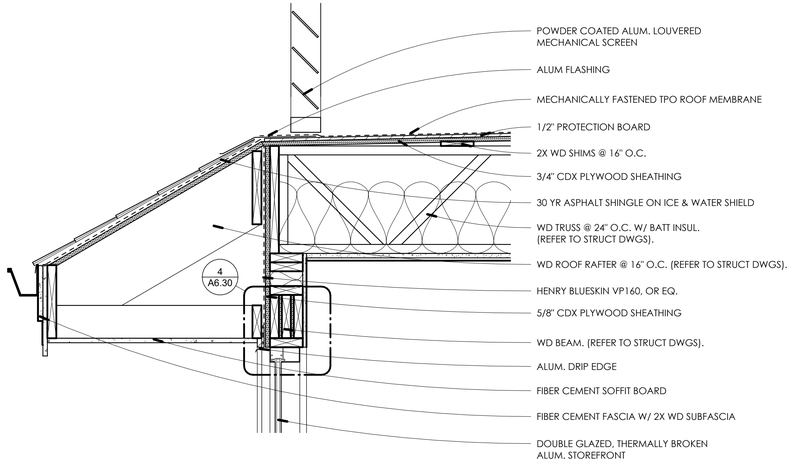
8/28/2026 9:50:45 AM



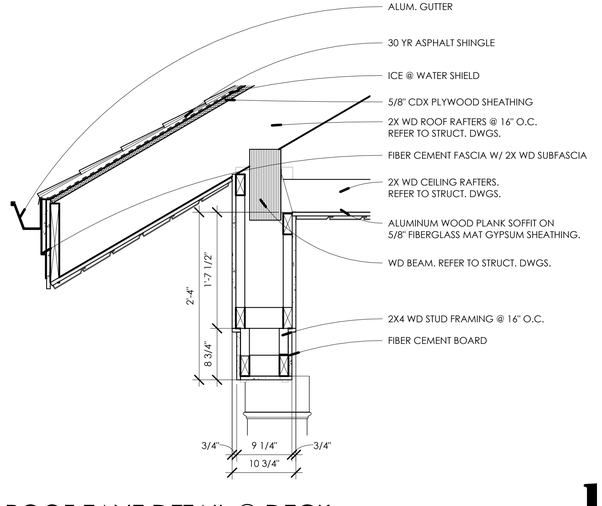
5 ROOF EAVE DETAIL @ SLOPED WALL
1" = 1'-0"



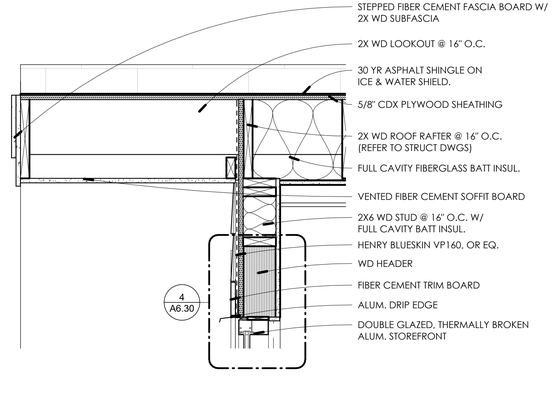
4 ROOF EAVE DETAIL - 2
1" = 1'-0"



3 MECHANICAL ROOF EAVE DETAIL
1" = 1'-0"



2 ROOF EAVE DETAIL @ DECK
1" = 1'-0"



1 ROOF EAVE DETAIL - 1
1" = 1'-0"

william mclees
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5 Macarthur Boulevard | Somers Point, NJ 08244
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

BUILDING DETAILS - ROOF

Scale	1" = 1'-0"
Drawn by	WSZ
Date	08.28.26

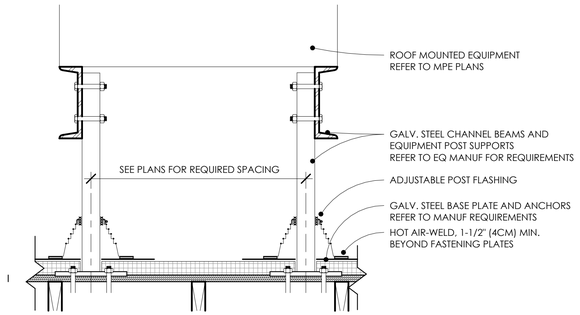
A5.21

Comission no. 25023O

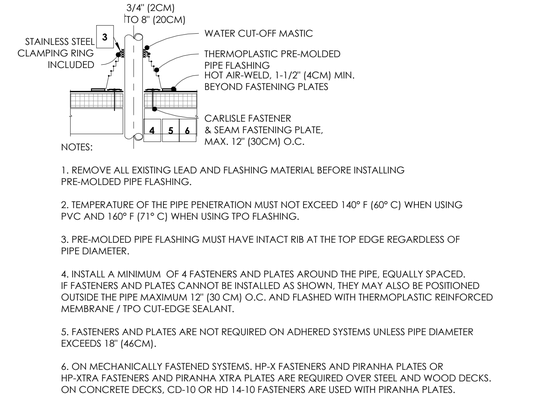
8/28/2026 9:50:46 AM

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\23OC AIRPORT - BASE VEG.rvt

11 TPO DETAIL AT RTU
1 1/2" = 1'-0"



10 TPO DETAIL AT EQUIPMENT SUPPORT
1 1/2" = 1'-0"



NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING PRE-MOLDED PIPE FLASHING.

2. TEMPERATURE OF THE PIPE PENETRATION MUST NOT EXCEED 140° F (60° C) WHEN USING PVC AND 160° F (71° C) WHEN USING TPO FLASHING.

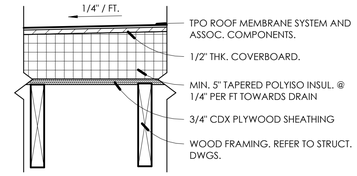
3. PRE-MOLDED PIPE FLASHING MUST HAVE INTACT RIB AT THE TOP EDGE REGARDLESS OF PIPE DIAMETER.

4. INSTALL A MINIMUM OF 4 FASTENERS AND PLATES AROUND THE PIPE, EQUALLY SPACED. IF FASTENERS AND PLATES CANNOT BE INSTALLED AS SHOWN, THEY MAY ALSO BE POSITIONED OUTSIDE THE PIPE MAXIMUM 12" (30 CM) O.C. AND FLASHED WITH THERMOPLASTIC REINFORCED MEMBRANE / TPO CUT-EDGE SEALANT.

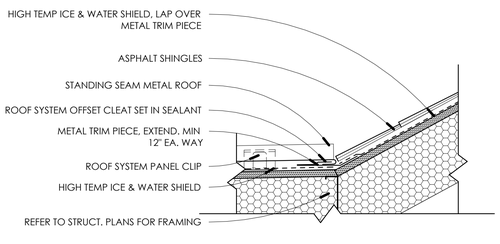
5. FASTENERS AND PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18" (46CM).

6. ON MECHANICALLY FASTENED SYSTEMS. HP-X FASTENERS AND PIRANHA PLATES OR HP-XTRA FASTENERS AND PIRANHA XTRA PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, CD-10 OR HD 14-10 FASTENERS ARE USED WITH PIRANHA PLATES.

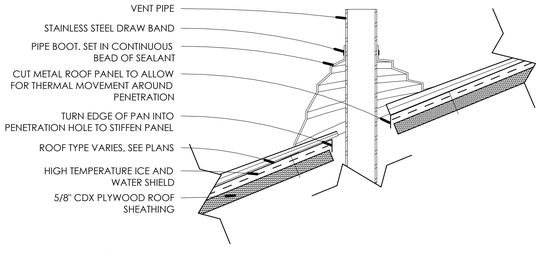
12 TPO DETAIL AT PIPE BOOT
1 1/2" = 1'-0"



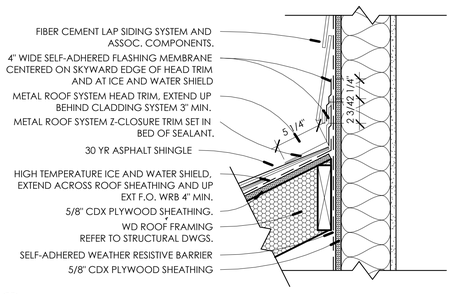
9 TPO ROOF DETAIL
1 1/2" = 1'-0"



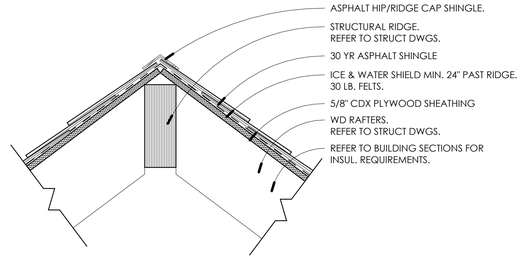
8 ROOF TRANSITION DETAIL
1 1/2" = 1'-0"



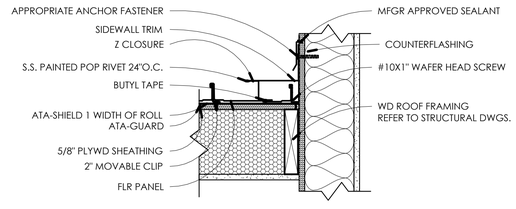
7 DETAIL AT ROOF PENETRATION
3" = 1'-0"



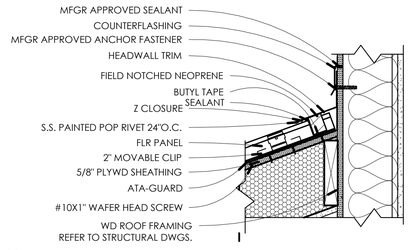
6 SHINGLE ROOF DETAIL - HEADWALL
1 1/2" = 1'-0"



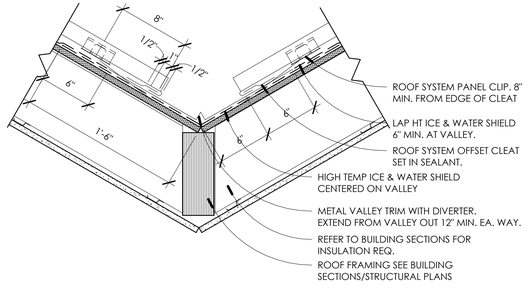
5 SHINGLE ROOF DETAIL - RIDGE/HIP
1 1/2" = 1'-0"



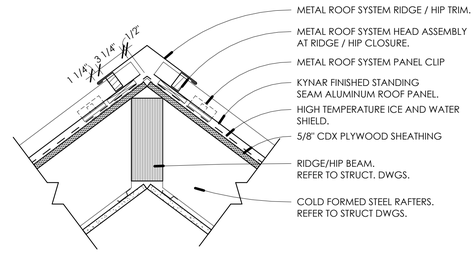
4 METAL ROOF DETAIL - SIDEWALL
1 1/2" = 1'-0"



3 METAL ROOF DETAIL - HEADWALL
1 1/2" = 1'-0"



2 METAL ROOF DETAIL - VALLEY
1 1/2" = 1'-0"



1 METAL ROOF DETAIL - RIDGE/HIP
1 1/2" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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New Jersey State Certificate of Authorization #
21AC00055500

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

BUILDING DETAILS - ROOF

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A5.22

Comission no. 25023O

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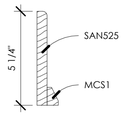
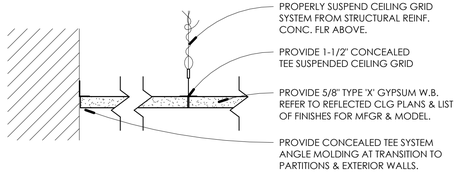


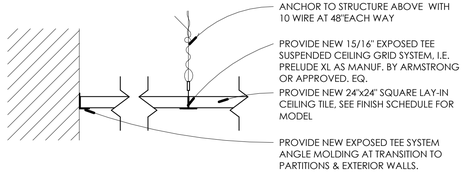
WB10 - FLOOR BASE

NOTE: SPECIES TO BE SOLID PINE BY GARDEN STATE LUMBER FINISH BY ARCHITECT

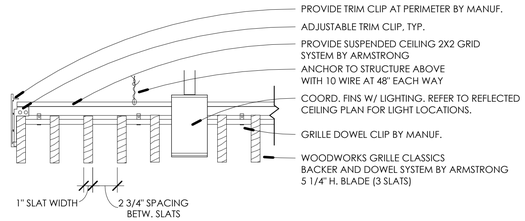
15 TRIM PROFILE DETAILS
3" = 1'-0"



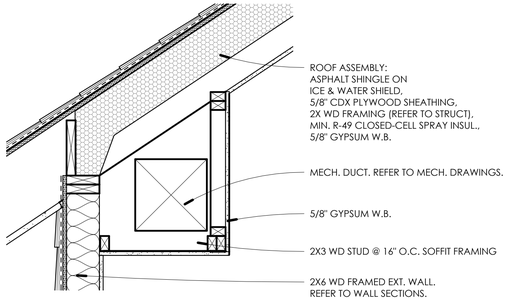
14 CHICAGO GRID DETAIL
3" = 1'-0"



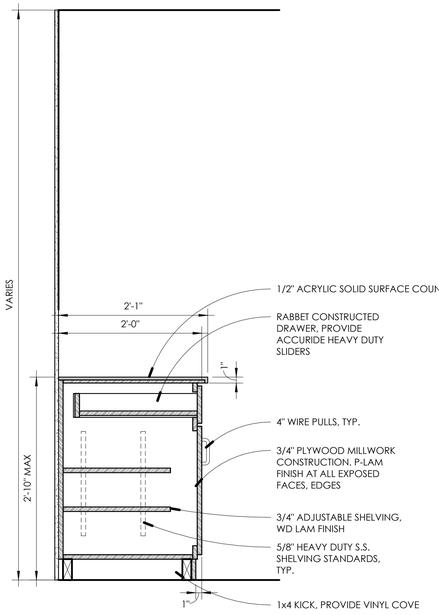
13 ACT SYSTEM DETAIL
3" = 1'-0"



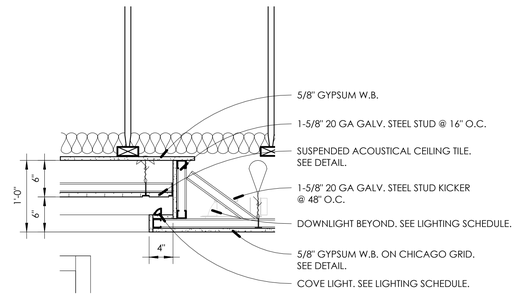
12 SUSPENDED SOLID WD CEILING DETAIL
1 1/2" = 1'-0"



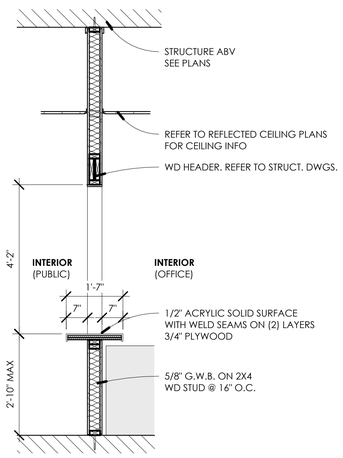
11 SOFFIT DETAIL
1" = 1'-0"



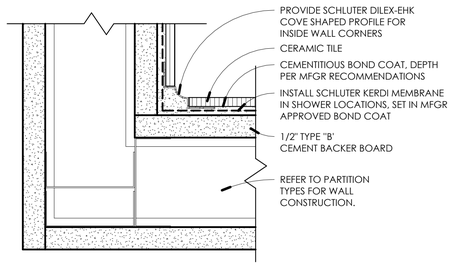
10 CABINET DETAIL
1" = 1'-0"



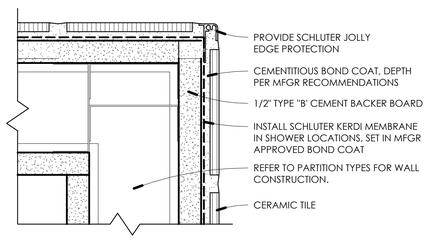
9 COVE DETAIL
1" = 1'-0"



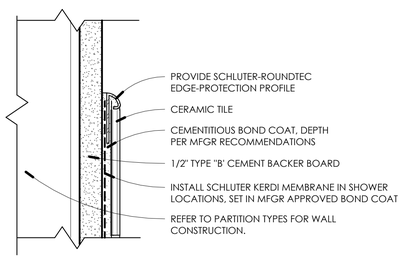
5 SERVICE COUNTER DETAIL
1/2" = 1'-0"



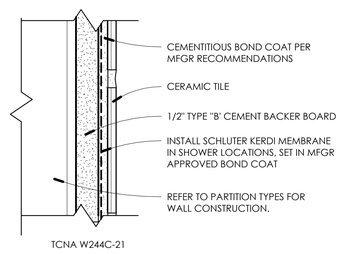
4 TILE DETAIL - INSIDE CORNER
6" = 1'-0"



3 TILE DETAIL - OUTSIDE CORNER
6" = 1'-0"



2 TILE DETAIL - WALL CAP
6" = 1'-0"



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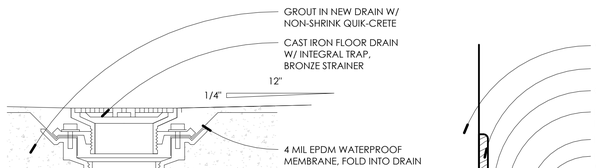
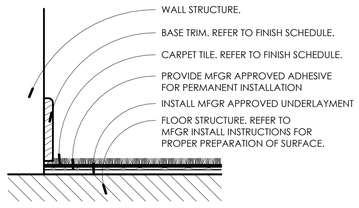
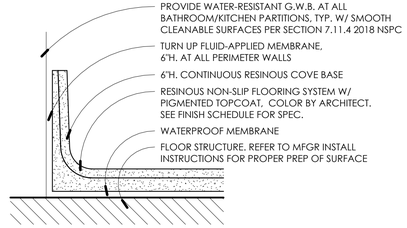
1 TILE DETAIL - TYPICAL WALL
6" = 1'-0"



8 FLOOR DRAIN DETAIL
3" = 1'-0"



7 CARPET TILE FLOOR DETAIL
3" = 1'-0"



6 RESINOUS FLOOR DETAIL
3" = 1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

INTERIOR BUILDING DETAILS

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A5.31

Comission no. 25023O

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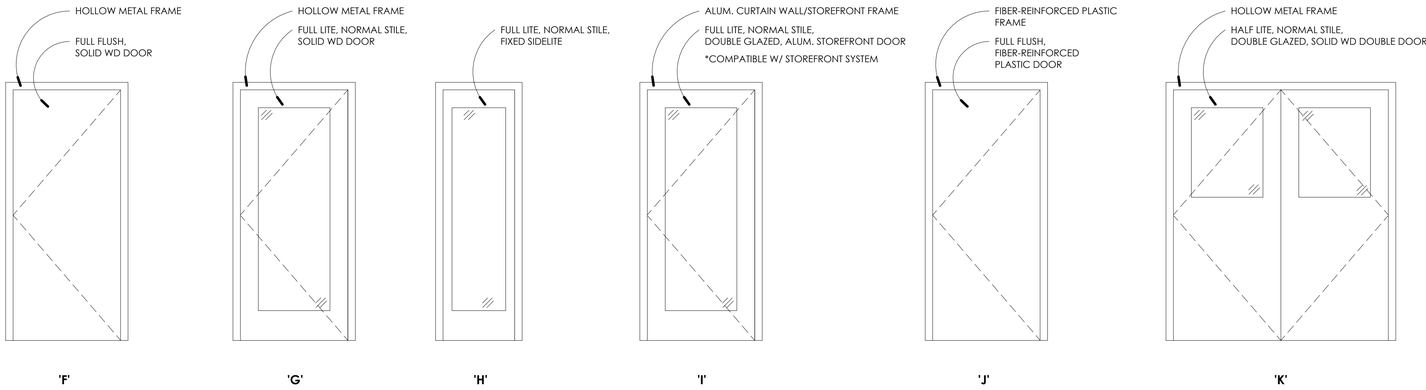
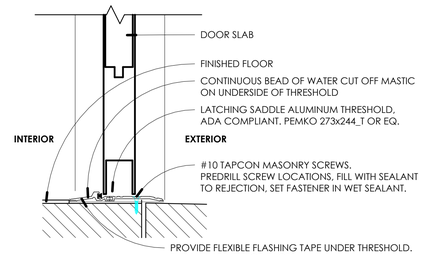
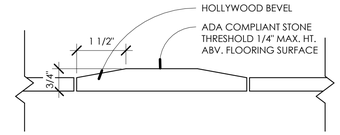


1 DOOR TYPES
1/2" = 1'-0"



3 EXT. THRESHOLD DETAIL
3" = 1'-0"



2 INT. THRESHOLD DETAIL
6" = 1'-0"

HARDWARE SCHEDULE

TYPE 1 - EXTERIOR - DOUBLE ENTRY
LOCKSET: CORBIN RUSSWIN RIM MOUNTED PANIC DEVICE ED4200 SERIES, 'ENTRY' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
MAGNETIC LOCK: ASSA ABLOY 281 MAGNETIC LOCK
COORDINATOR: ASSA ABBLOY 2600 SERIES
ASTRAGAL: PEMKO NYLON BRUSH
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: PEMKO ADA COMPLIANT THERMAL BARRIER LATCHING SADDLE ALUMINUM THRESHOLD

TYPE 2 - STAIR
LOCKSET: CORBIN RUSSWIN RIM MOUNTED PANIC DEVICE ED4200 SERIES, 'PASSAGE FUNCTION' W/ ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: PEMKO ADA COMPLIANT THERMAL BARRIER LATCHING SADDLE ALUMINUM THRESHOLD

TYPE 3 - INTERIOR - DOUBLE ENTRY
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'ENTRY' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
MAGNETIC LOCK: ASSA ABLOY 281 MAGNETIC LOCK
COORDINATOR: ASSA ABBLOY 2600 SERIES
ASTRAGAL: PEMKO NYLON BRUSH
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: ADA COMPLIANT ALUM. THRESHOLD

NOTE: GC TO COORDINATE LOCATION OF ALL DOOR CLOSERS.

TYPE 4 - INTERIOR - STORAGE
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'STORE ROOM' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: NONE
STOP: LCN CLOSER MTD STOP
THRESHOLD: NONE

TYPE 5 - INTERIOR - PASSAGE
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'PASSAGE' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: NONE
STOP: LCN CLOSER MTD STOP
THRESHOLD: NONE

TYPE 6 - EXTERIOR - B.O.H. ENTRY
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'ENTRY' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
MAGNETIC LOCK: ASSA ABLOY 281 MAGNETIC LOCK
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: PEMKO ADA COMPLIANT THERMAL BARRIER LATCHING SADDLE ALUMINUM THRESHOLD

TYPE 7 - INTERIOR - OFFICE
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'OFFICE' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: NONE
STOP: LCN CLOSER MTD STOP
THRESHOLD: NONE

TYPE 8 - INTERIOR - SINGLE OCCUPANT RESTROOM
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'RESTROOM' FUNCTION W/ INDICATOR DEADBOLT ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: ALUMINUM THRESHOLD

TYPE 9 - INTERIOR - RESTROOM
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'PASSAGE' FUNCTION ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: ALUMINUM THRESHOLD

TYPE 10 - EXTERIOR - STORAGE
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'STORE ROOM' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: PEMKO ADA COMPLIANT THERMAL BARRIER LATCHING SADDLE ALUMINUM THRESHOLD

TYPE 11 - EXTERIOR - BALCONY DOUBLE DOOR
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'PASSAGE' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
COORDINATOR: ASSA ABBLOY 2600 SERIES
ASTRAGAL: PEMKO NYLON BRUSH
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: PEMKO ADA COMPLIANT THERMAL BARRIER LATCHING SADDLE ALUMINUM THRESHOLD

TYPE 12 - INTERIOR - LOCKED PASSAGE
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'STORE DOOR' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
MAGNETIC LOCK: ASSA ABLOY 281 MAGNETIC LOCK
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
CLOSER: LCN 4000 SERIES
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: NONE
STOP: LCN CLOSER MTD STOP
THRESHOLD: NONE

TYPE 13: - INTERIOR - DOUBLE DOOR HOLD-OPEN
LOCKSET: CORBIN RUSSWIN FULL MORTISE 'STORE DOOR' FUNCTION W/ ADA 'REGIS' LEVER HANDLE
COORDINATOR: ASSA ABBLOY 2600 SERIES
ASTRAGAL: PEMKO NYLON BRUSH
HINGES: PEMKO FULL MORTISE GEARED ALUMINUM HINGE
HOLD OPEN: ASSA ABLOY RIXSON ELECTROMAGNETIC DOOR HOLDER/RELEASE
CLOSER: N/A
GASKETING: PEMKO KERF-IN THERMOPLASTIC BULB
SWEEP: PEMKO FULL MORTISE AUTOMATIC DOOR BOTTOM
STOP: LCN CLOSER MTD STOP
THRESHOLD: N/A

DOOR SCHEDULE

NUMBER	WIDTH	HEIGHT	PANEL MATERIAL	DOOR TYPE	FRAME MATERIAL	RATING	HARDWARE	ELECTRIC KEY FOB	NOTES
001A	6'-0"	7'-0"	AL/GL	A	AL	--	1	Y	
001B	3'-0"	7'-0"	FRP/GL	B	FRP	60 MIN	2	--	
001C	6'-0"	7'-0"	FRP/GL	C	FRP	60 MIN	1	Y	
101A	6'-0"	7'-0"	AL/GL	A	AL	--	1	Y	
101B	3'-0"	7'-0"	WD/GL	D	HM	60 MIN	2	--	
101C	6'-0"	7'-0"	AL/GL	A	AL	--	3	Y	
102	6'-0"	7'-0"	WD/GL	K	WD	--	3	--	
104	6'-0"	7'-0"	WD	E	HM	--	3	--	
105	3'-0"	7'-0"	WD	F	HM	--	4	--	
106A	3'-0"	7'-0"	WD/GL	G	HM	--	7	--	
107	3'-0"	7'-0"	WD/GL	D	HM	--	7	--	
108A	3'-0"	7'-0"	WD/GL	G	HM	--	12	Y	
108B	3'-0"	7'-0"	WD	H	--	--	--	--	
108C	3'-0"	7'-0"	AL/GL	I	AL	--	6	Y	
109	3'-0"	7'-0"	WD/GL	D	HM	--	7	--	
110	3'-0"	7'-0"	WD/GL	D	HM	--	7	--	
111	3'-0"	7'-0"	WD/GL	D	HM	--	7	--	
112A	3'-0"	7'-0"	WD/GL	D	HM	--	7	--	
112C	3'-0"	7'-0"	AL/GL	I	AL	--	6	Y	
113A	3'-0"	7'-0"	WD/GL	D	HM	60 MIN	2	--	
113B	3'-0"	7'-0"	FRP/GL	B	FRP	60 MIN	2	--	
114	3'-0"	7'-0"	WD	F	HM	--	4	--	
115	3'-0"	7'-0"	WD	F	HM	--	9	--	UNDERCUT R.R. DOOR 1"
116	3'-0"	7'-0"	WD	F	HM	--	9	--	UNDERCUT R.R. DOOR 1"
117	3'-0"	7'-0"	WD	F	HM	--	8	--	UNDERCUT R.R. DOOR 1"
118	3'-0"	7'-0"	WD	F	HM	--	4	--	
119	3'-6"	7'-0"	FRP	J	HM	45 MIN	10	--	
201A	6'-0"	7'-0"	AL/GL	A	AL	--	11	Y	
201B	3'-0"	7'-0"	WD/GL	D	HM	60 MIN	2	--	
202A	3'-0"	7'-0"	WD	F	HM	--	5	--	
202B	3'-0"	7'-0"	WD	F	HM	--	5	--	
203	3'-0"	7'-0"	WD/GL	D	HM	60 MIN	2	--	
205	3'-0"	7'-0"	WD	F	HM	--	8	--	UNDERCUT R.R. DOOR 1"
206	3'-0"	7'-0"	WD	F	HM	--	9	--	UNDERCUT R.R. DOOR 1"
207	3'-0"	7'-0"	WD	F	HM	--	9	--	UNDERCUT R.R. DOOR 1"
208	3'-0"	7'-0"	WD	F	HM	--	4	--	
301	3'-0"	6'-8"	FRP	J	FRP	--	10	--	
302	3'-0"	6'-8"	FRP	J	FRP	--	10	--	

DOOR GENERAL NOTES

1. DOOR MATERIAL: AL = ALUMINUM FRP = FIBER REINFORCED PLASTIC GL = GLAZING HM = HOLLOW METAL HPL = HIGH PRESSURE LAMINATE WD = WOOD STL = STEEL VN = VINYL CLAD
2. ALL EXTERIOR DOORS SHALL BE PROVIDED W/ ADA COMPLIANT THERMALLY BROKEN LATCHING SADDLE THRESHOLD.
3. DOOR HARDWARE SHALL BE ADA COMPLIANT.
4. ALL FIRE RATED DOORS SHALL HAVE SMOKE SEALS AND SWEEPS UNLESS OTHERWISE NOTED.
5. ALL KEYING FOR LOCKSETS SHALL BE COORDINATED WITH OWNER.
6. ALL EXTERIOR DOORS AND JAMB SHALL BE INSULATED.
7. ALL GLASS PRODUCTS INCLUDED IN DOORS AND FRAMES SHALL BE IMPACTED GLASS COMPLIANT WITH NJ IBC 1609.1.2 AT EXTERIOR LOCATIONS OR TEMPERED AT INTERIOR LOCATIONS.
8. DOORS AND FIRE RATED ASSEMBLIES SHALL COMPLY WITH NJ IBC CHAPTER 7.
9. ALL DOOR THICKNESS SHALL BE 1-3/4 INCH UNLESS OTHERWISE NOTED.
10. ALL DOORS AND FRAMES TO BE PRIMED AND PAINTED TWO COATS, SEMI-GLOSS FINISH. COLOR AS SELECTED BY ARCHITECT.
11. ALL DOORS WITH KEY FOBS TO BE EQUIPPED WITH CONTINENTAL ACCESS CONTROL, DATA, AND ELECTRICAL CABLING REQUIRED TO INTERFACE W/ DOOR LOCKING HARDWARE AND PROVIDE REMOTE OPERATION.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC
New Jersey State Certificate of Authorization # 21AC00055500

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OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

DOOR SCHEDULES, TYPES & HARDWARE

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A6.10

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\0230C AIRPORT - BASE V6a.rvt

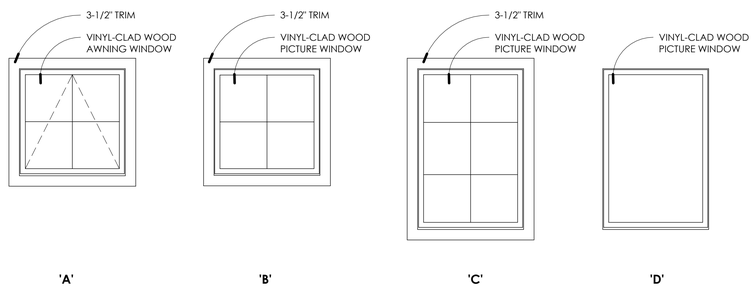
8/28/2026 9:50:48 AM

WINDOW SCHEDULE

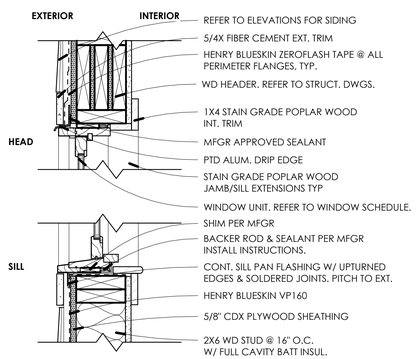
MARK	UNIT TYPE	MFGR	TYPE	WIDTH	HEIGHT	SILL	NOTES
101	A	ANDERSEN	AWNING - 400 SERIES	3'-0"	3'-0"	4'-0"	PROVIDE OBSCURED GLAZING
102	A	ANDERSEN	AWNING - 400 SERIES	3'-0"	3'-0"	4'-0"	PROVIDE OBSCURED GLAZING
103	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
104	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
105	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	2'-0"	7'-4"	
106	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
107	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	2'-0"	7'-4"	
108	D	ANDERSEN	FIXED WINDOW	3'-0"	5'-0"	2'-0"	
109	D	ANDERSEN	FIXED WINDOW	3'-0"	5'-0"	2'-0"	
201	A	ANDERSEN	AWNING - 400 SERIES	5'-0"	2'-6"	6'-0"	
202	A	ANDERSEN	AWNING - 400 SERIES	5'-0"	2'-6"	6'-0"	
203	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
204	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	7'-0"	
205	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
206	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	7'-0"	
207	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
208	C	ANDERSEN	PICTURE - 400 SERIES	3'-0"	4'-6"	2'-6"	
301	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	
302	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	
303	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	
304	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	
305	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	
306	B	ANDERSEN	PICTURE - 400 SERIES	3'-0"	3'-0"	11'-6"	

WINDOW GENERAL NOTES

1. ALL WINDOWS TO BE RATED MIN. DP50 WIND PRESSURE W/ 1" CLEAR LOW-E INSULATED GLAZING.
2. INTERIOR CASING TO BE STAIN GRADE FINISH, PROVIDE JAMB EXTENSIONS FOR ALL WINDOWS.
3. PROVIDE SCREENS FOR ALL OPERABLE WINDOWS.
4. PROVIDE OPENING CONTROL DEVICES AT SILLS 24" OR LESS.
5. ALL EXTERIOR WINDOWS TO RECEIVE IMPACT GLAZING.



1 WINDOW TYPES
1/2" = 1'-0"



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

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

WINDOW SCHEDULES, TYPES & DETAILS

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A6.20

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\25230C AIRPORT - BASE V22.rvt

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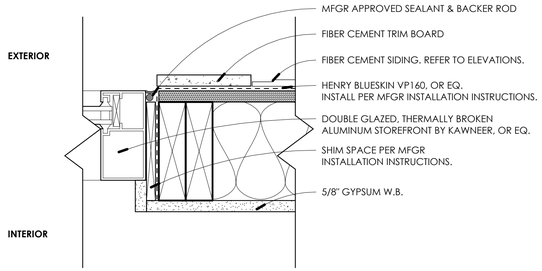
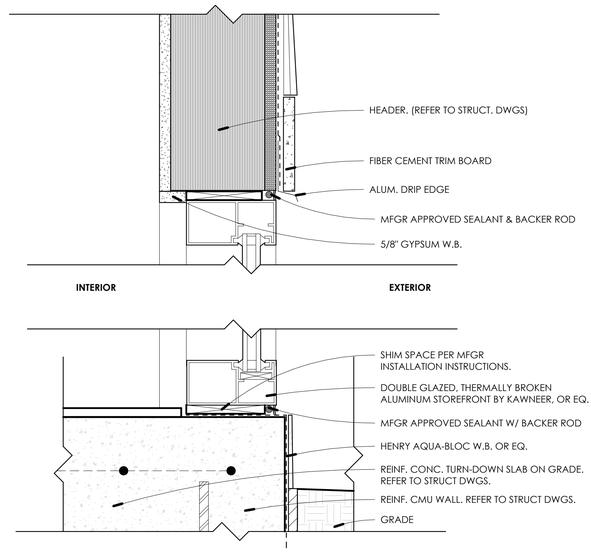
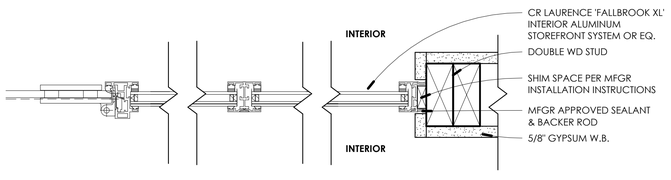


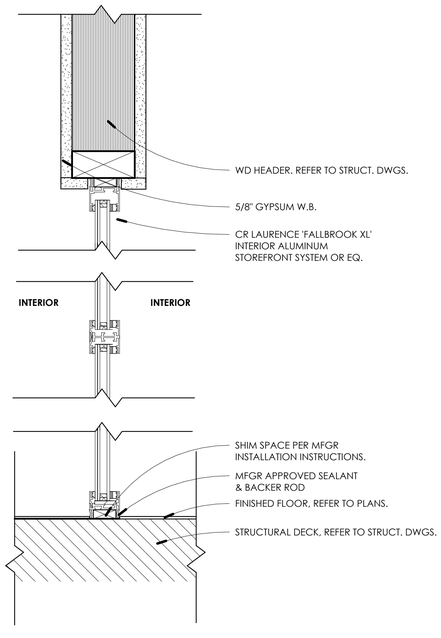
5 EXT. STOREFRONT JAMB DETAIL
3" = 1'-0"



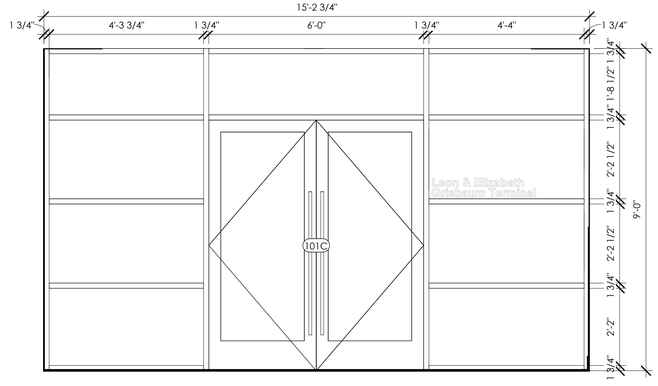
4 EXT. STOREFRONT HEAD/SILL DETAIL
3" = 1'-0"



3 INT. STOREFRONT JAMB DETAIL
3" = 1'-0"



2 DETAIL AT INT. STOREFRONT HEAD/SILL
3" = 1'-0"



TYPICAL INTERIOR STOREFRONT
CR LAURENCE 'FALLBROOK XL'
DOUBLE GLAZED ALUMINUM
STOREFRONT SYSTEM OR EQUAL

1 INTERIOR STOREFRONT SFI-1
1/2" = 1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

STOREFRONT ELEVATIONS & DETAILS

Scale	As indicated
Drawn by	WSZ
Date	08.28.26

A6.30

Comission no. 25023O

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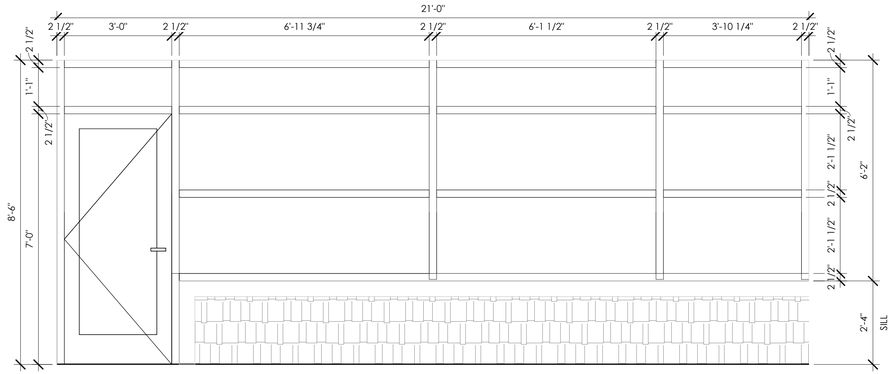
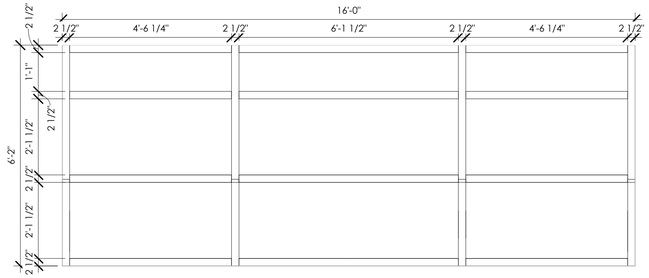
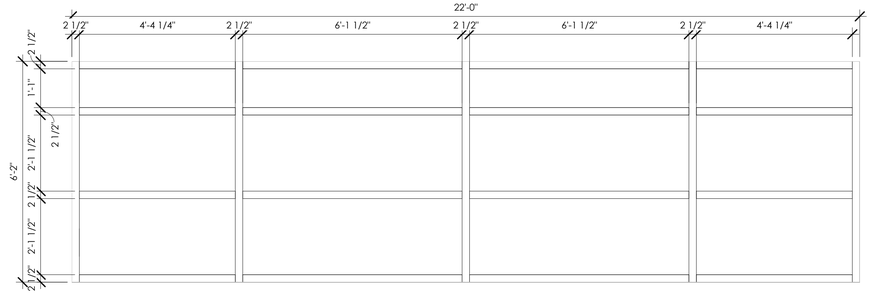


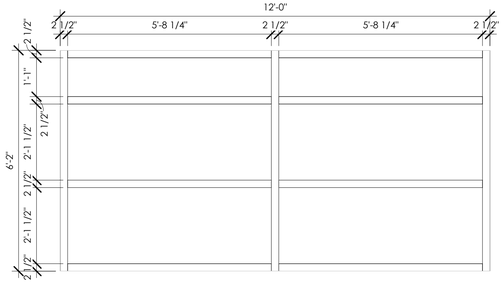
8 EXTERIOR STOREFRONT SF8
1/2" = 1'-0"



7 EXTERIOR STOREFRONT SF-7
1/2" = 1'-0"



6 EXTERIOR STOREFRONT SF-6
1/2" = 1'-0"



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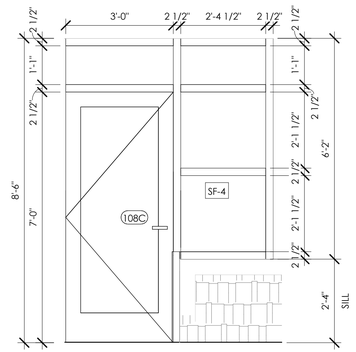
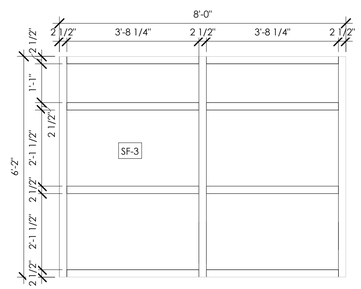
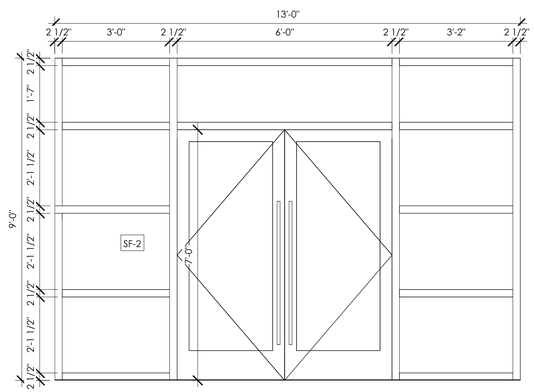
1/2" = 1'-0"



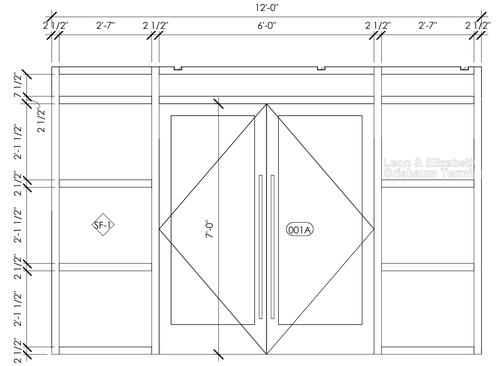
4 EXTERIOR STOREFRONT SF-4
1/2" = 1'-0"



3 EXTERIOR STOREFRONT SF-3
1/2" = 1'-0"



2 EXTERIOR STOREFRONT SF-2
1/2" = 1'-0"



1 EXTERIOR STOREFRONT SF-1
1/2" = 1'-0"

TYPICAL EXTERIOR STOREFRONT
KAWNEER IMPACT RESISTANT 521T
DOUBLE GLAZED, THERMALLY BROKEN
ALUMINUM STOREFRONT SYSTEM OR EQUAL

william mclees
architecture
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

EXTERIOR STOREFRONT ELEVATIONS

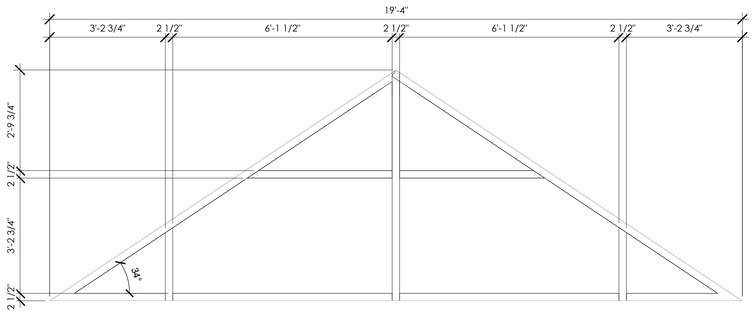
Scale	1/2" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A6.31

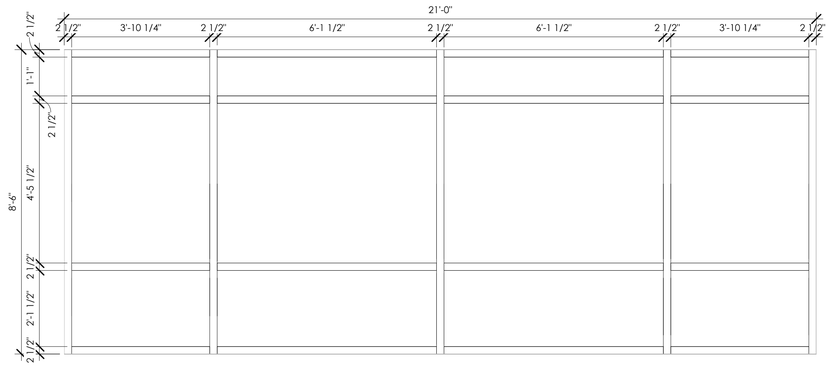
Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Rev1\2023OC AIRPORT - BASE VEG.rvt

8/28/2026 9:50:52 AM



8 EXTERIOR STOREFRONT SF-14(B)
1/2" = 1'-0"



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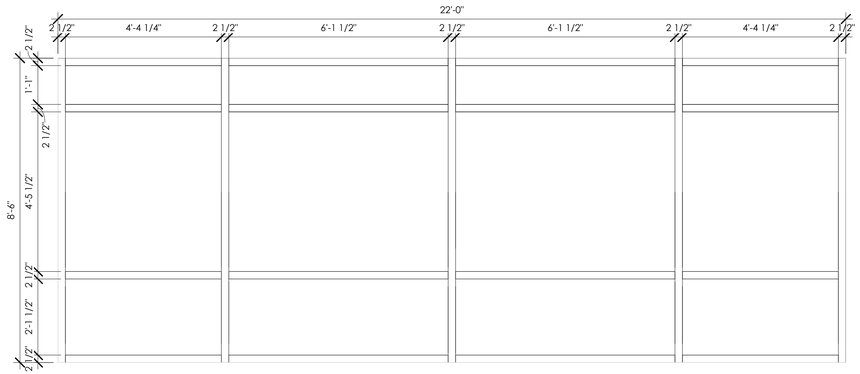
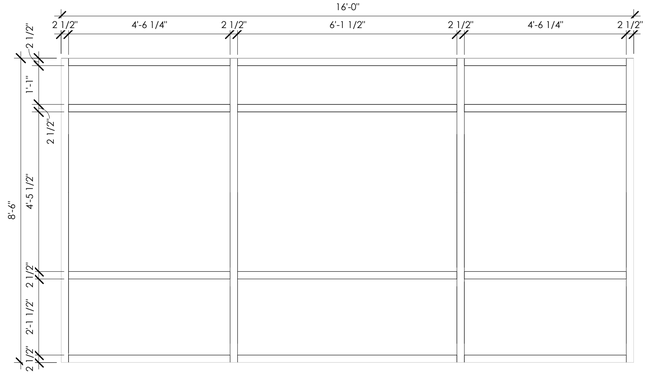


6 EXTERIOR STOREFRONT SF-14(A)
1/2" = 1'-0"



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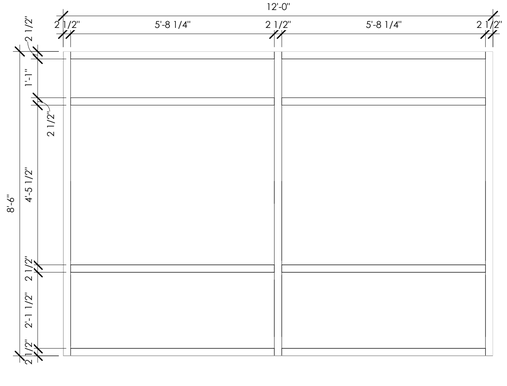

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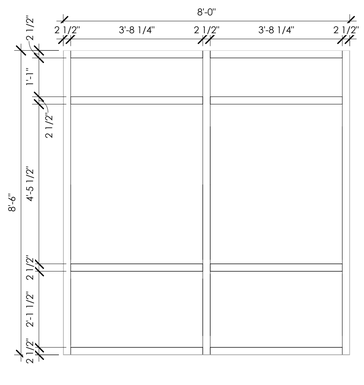
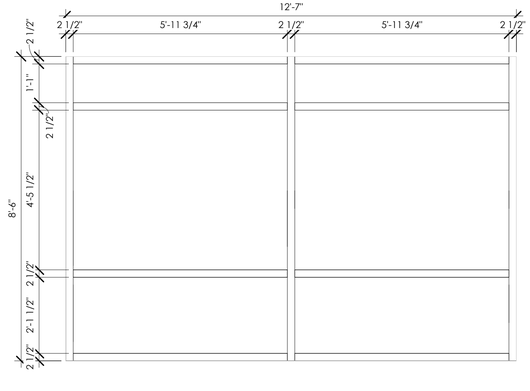
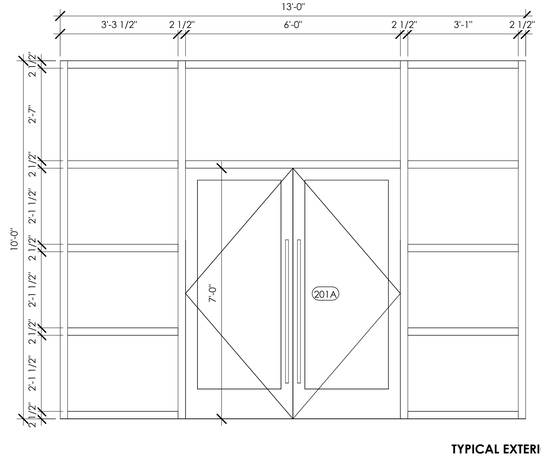


3 EXTERIOR STOREFRONT SF-11
1/2" = 1'-0"



2 EXTERIOR STOREFRONT SF-10
1/2" = 1'-0"



1 EXTERIOR STOREFRONT SF-9
1/2" = 1'-0"

TYPICAL EXTERIOR STOREFRONT
KAWNEER IMPACT RESISTANT 521T
DOUBLE GLAZED, THERMALLY BROKEN
ALUMINUM STOREFRONT SYSTEM OR EQUAL

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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William C. McLees
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

EXTERIOR STOREFRONT ELEVATIONS

Scale	1/2" = 1'-0"
Drawn by	WSZ
Date	08.28.26

A6.32

Comission no. 25023O

W:\wmarch\data\25023 - OC Airport\Drawings\Revit\023OC AIRPORT - BASE VEG.rvt
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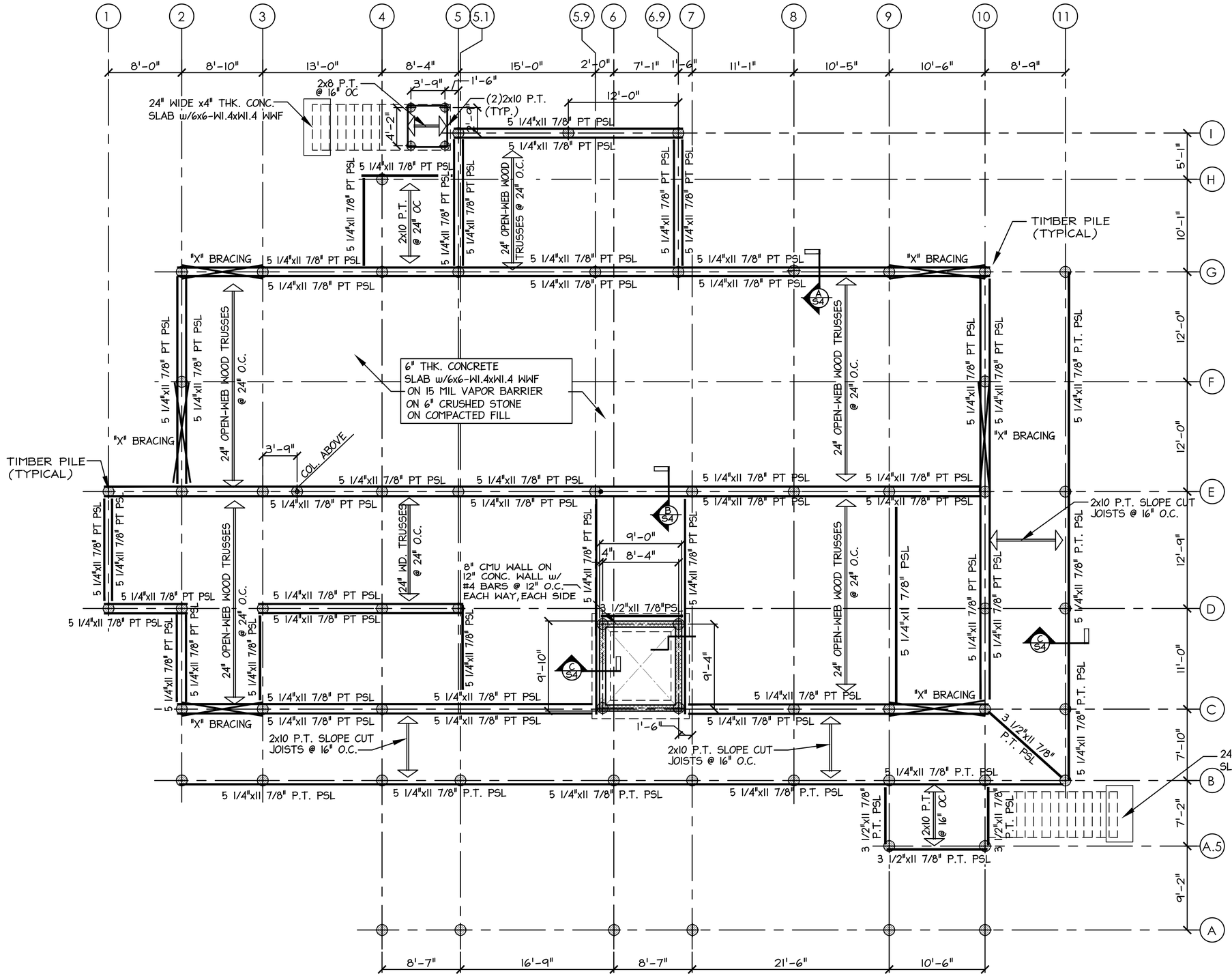

PILING FOUNDATION PLAN

SCALE-3/16"=1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

CZAR Engineering L.L.C.
5014 FERNWOOD AVENUE
Egg Harbor Twp., N.J. 08234-7647
(609) 653-9445
Lamont H. Czar, P.E. NJ Lic.24GE03382700

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

No.	Description	Date
	BID SET	8/28/26

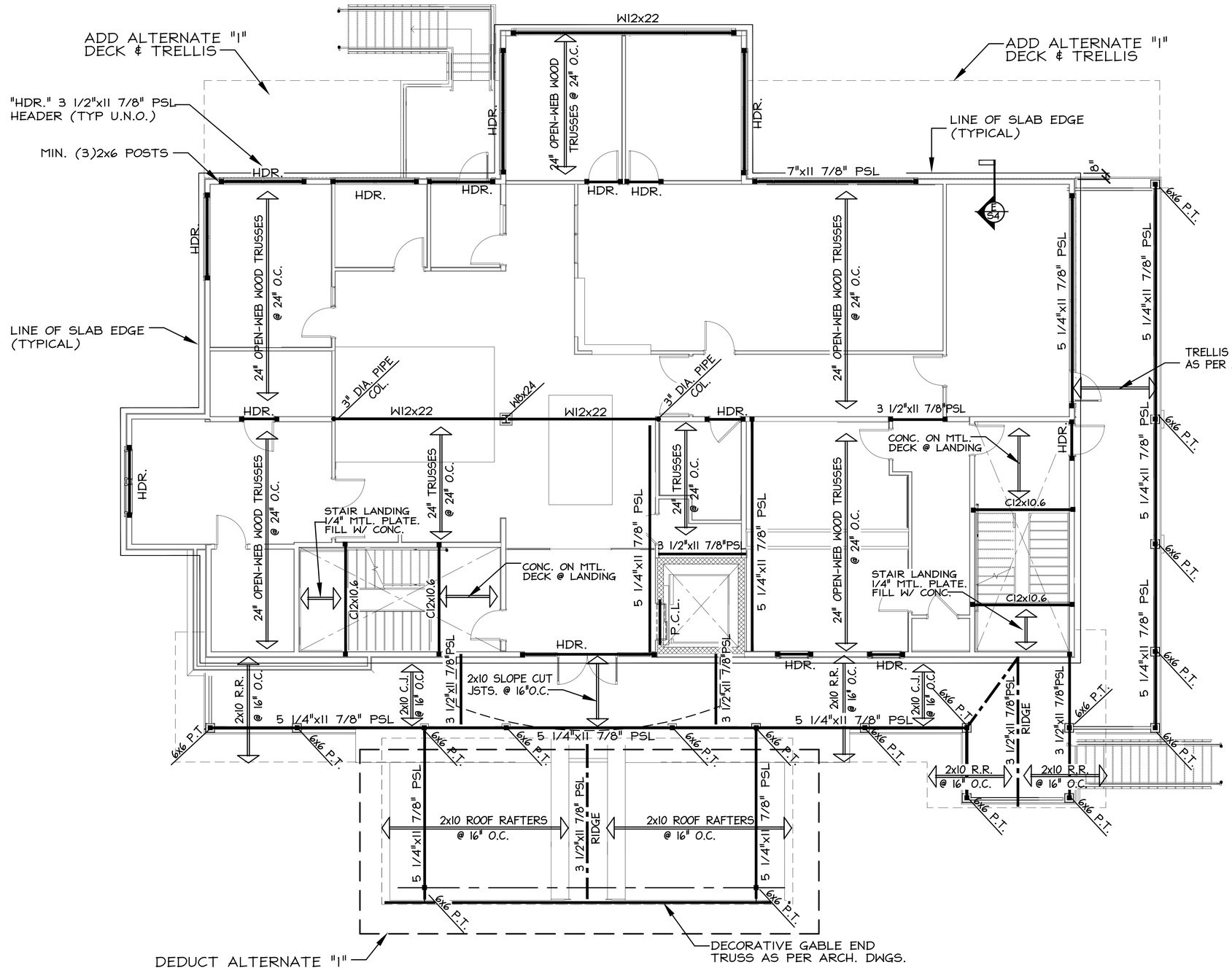
FOUNDATION PLAN

Scale	
Drawn by	ACE
Date	8/18/26

S-1

Comission no. 25023O

1/27/2026 9:29:03 AM



FIRST FLOOR PLAN
SECOND FLOOR FRAMING

SCALE-3/16"=1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

CZAR Engineering L.L.C.
5094 FERNWOOD AVENUE
Egg Harbor Twp., N.J. 08234-7647
(609) 653-9445
Lamont H. Czar, P.E. NJ Lic.24GE03382700

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

No.	Description	Date
	BID SET	8/28/26

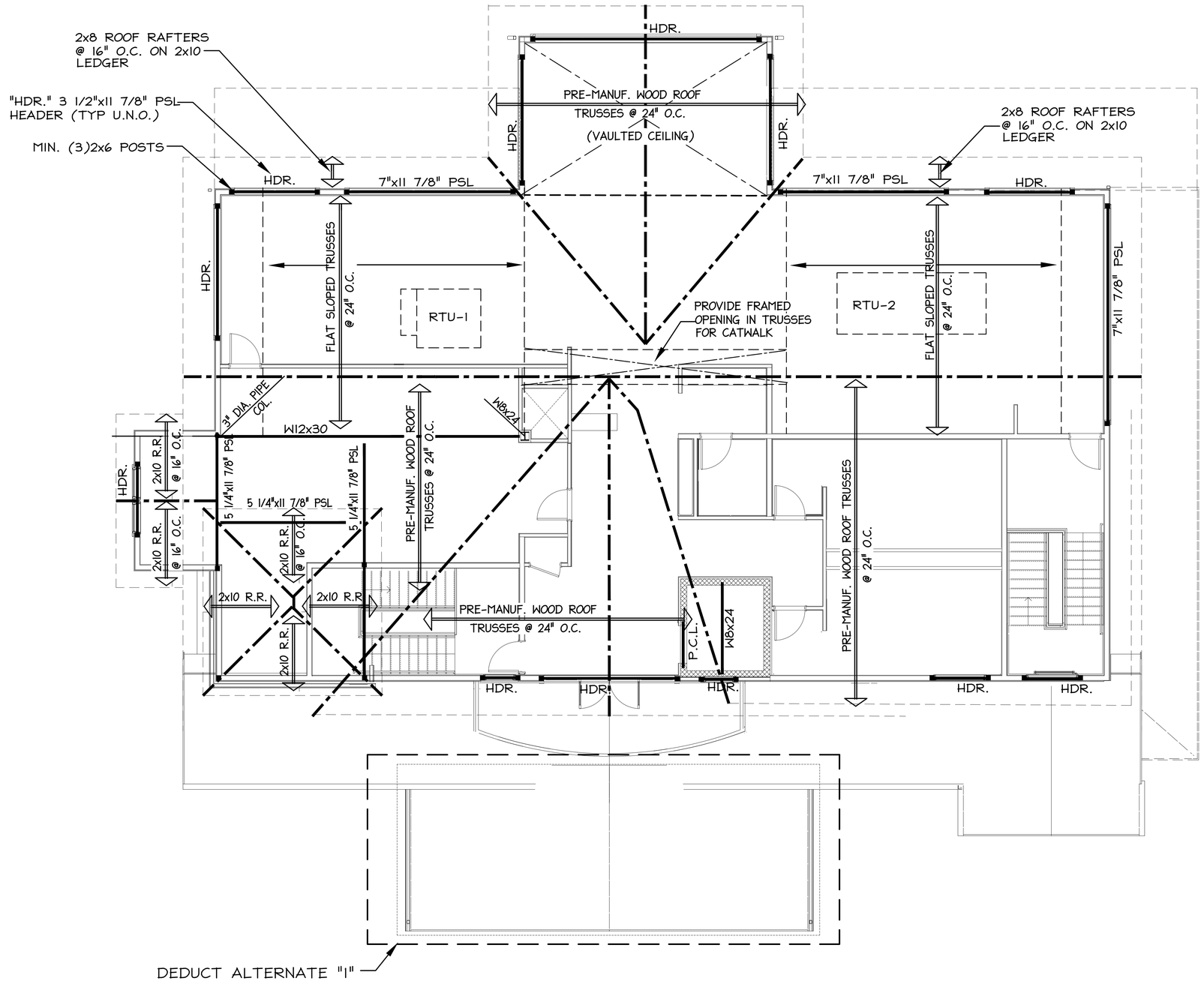
SECOND FLOOR FRAMING

Scale	
Drawn by	ACE
Date	8/18/26

S-2

Comission no. 25023O

1/27/2026 9:29:03 AM



SECOND FLOOR PLAN
ROOF FRAMING

SCALE-3/16"=1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

CZAR Engineering L.L.C.
5094 FERNWOOD AVENUE
Egg Harbor Twp., N.J. 08234-7647
(609) 653-9445
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NEW CONSTRUCTION

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OCEAN CITY, NJ 08226

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ROOF FRAMING

Scale	
Drawn by	ACE
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S-3

Comission no. 25023O

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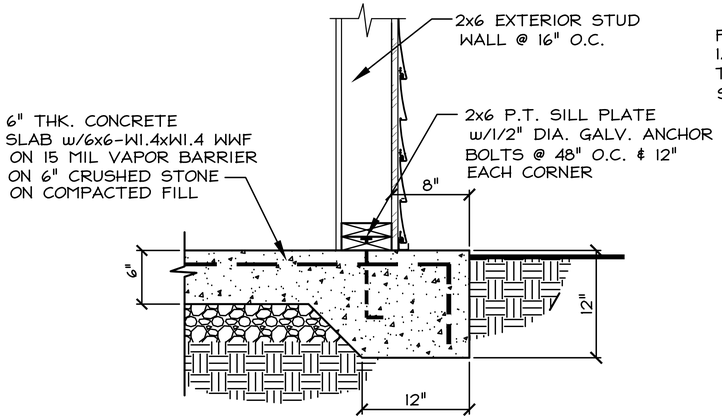
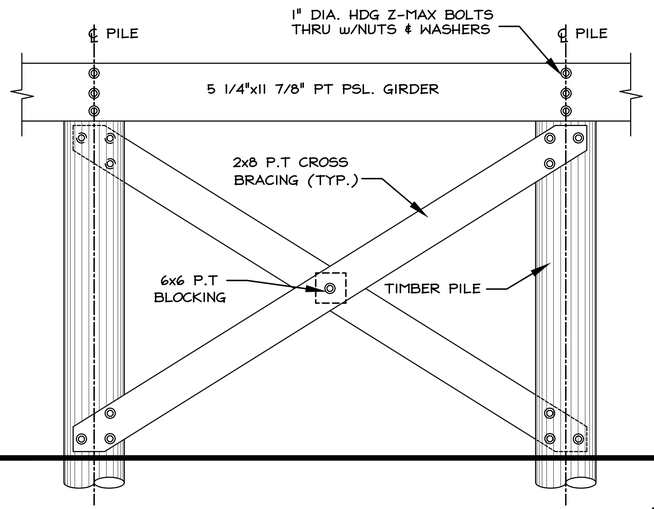
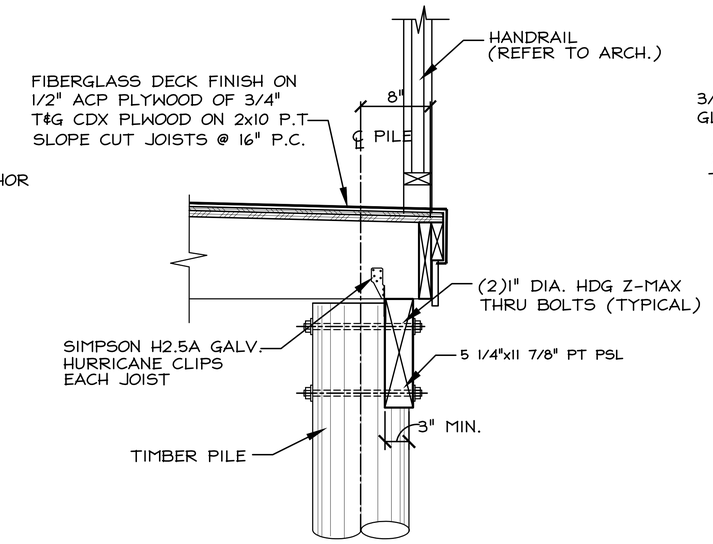


E EXTERIOR WALL SECTION
NOT TO SCALE



F "X" BRACING DETAIL
NOT TO SCALE



C DECK SECTION
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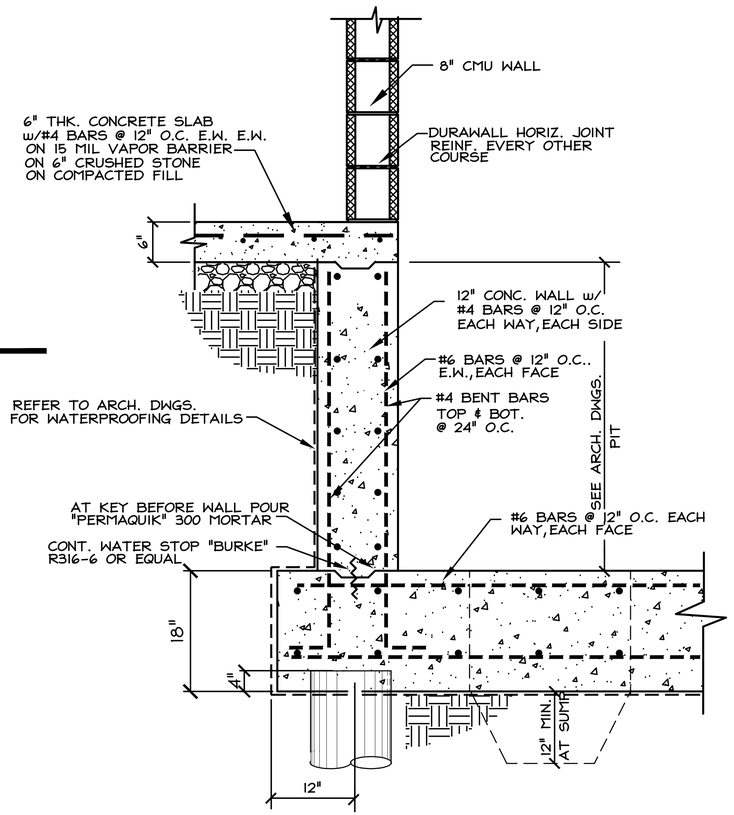
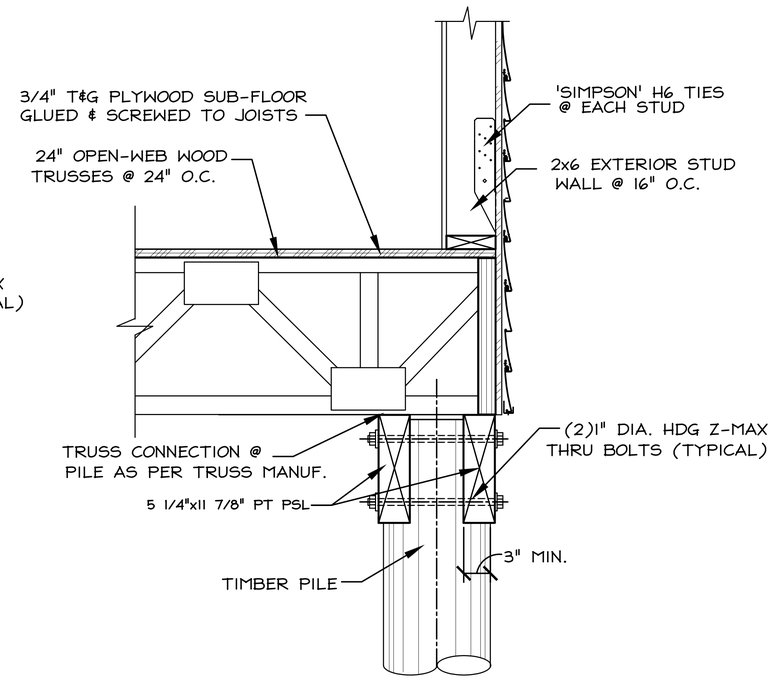


D ELEVATOR PIT DETAIL
NOT TO SCALE



A TYPICAL WALL SECTION
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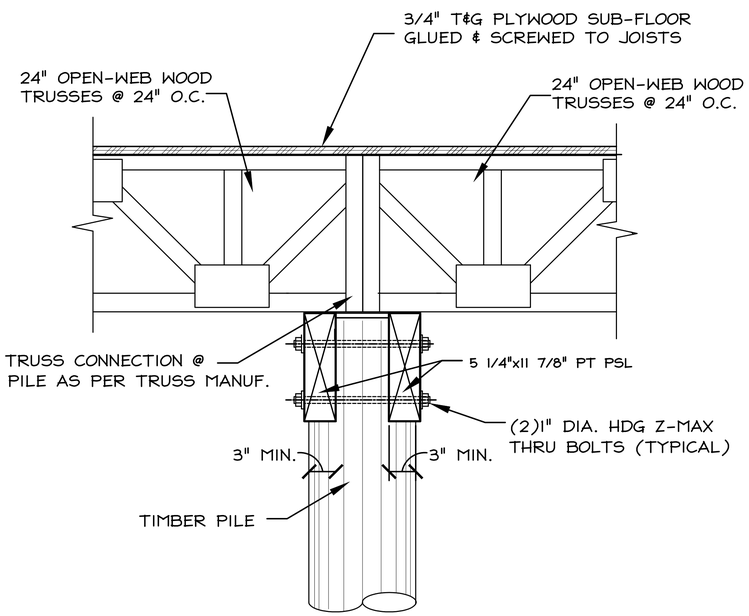

B SECTION @ PILE
NOT TO SCALE

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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Comission no. 25023O

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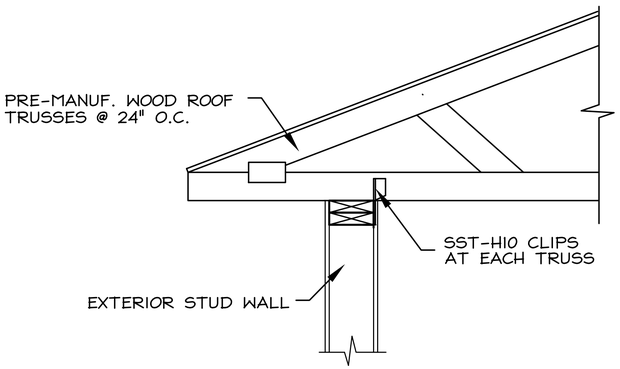
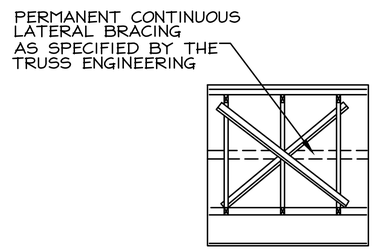


(B) TRUSS BEARING @ WOOD WALL

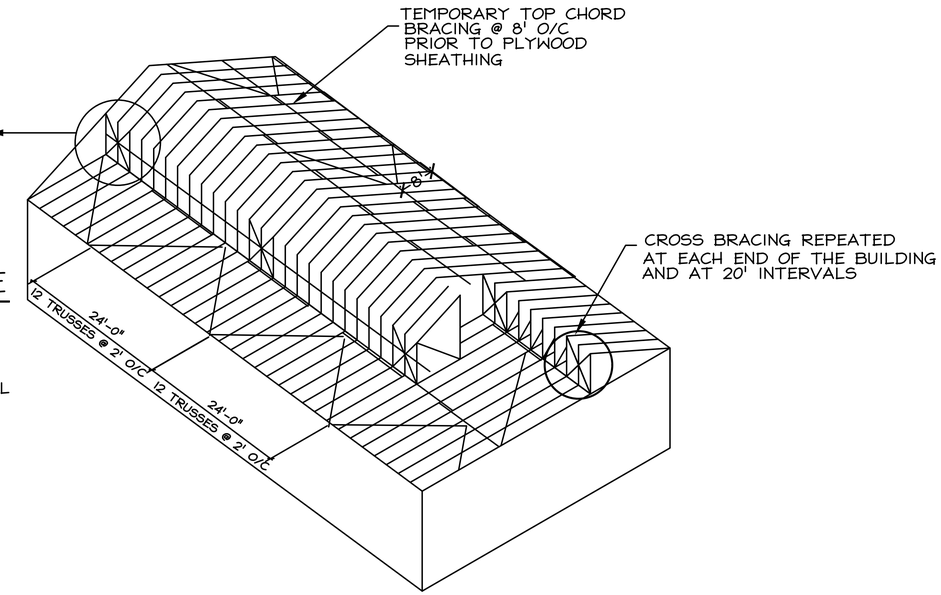
SCALE-1"=1'-0"



WEB MEMBER PLANE X BRACING

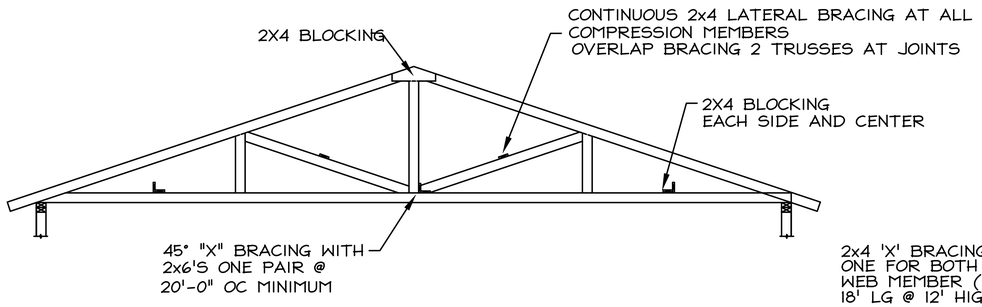
NOT TO SCALE

FRT RATED PLYWOOD SHEATHING
MINIMUM 4' EACH SIDE OF FIREWALL
NO OPENINGS PERMITTED



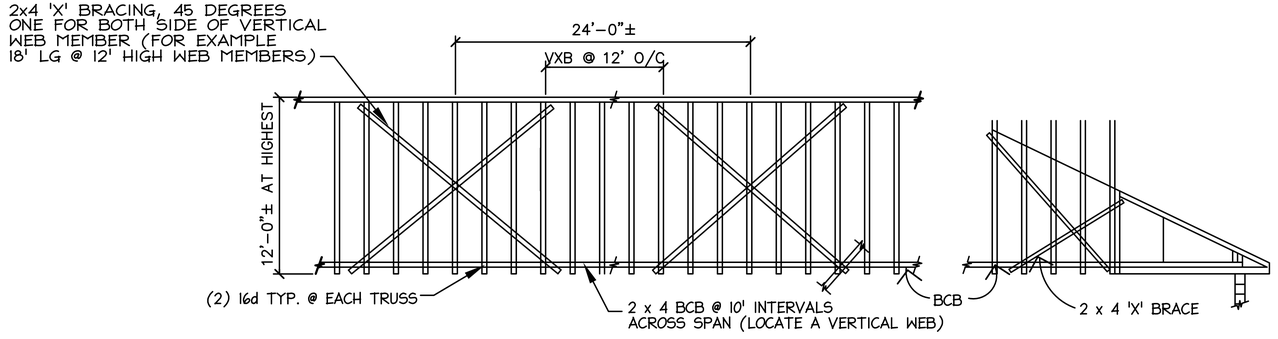
(A) TEMPORARY TRUSS BRACING & WEB MEMBER BRACING (PER MANUFACTURER'S LOCATIONS)

NOT TO SCALE



(D) TYP. TRUSS BRACING DETAIL

NOT TO SCALE



(C) VERTICAL 'X' BRACING DETAIL

ROOF TRUSS SYSTEM

NOT TO SCALE

1. INSTALL ALONG ROWS OF BOT. CHORD BRACING(BCB)
2. THIS DETAIL IS IN ADDITION TO WEB 'X' BRACING REQ'D BY TRUSS CO.

TRUSS BRACING SHOWN IS PERMANENT BRACING. BUILDER SHALL INSTALL TEMPORARY BRACING REQUIRED BY TPI

MATERIAL NOTES: ALL 2x4 BRACING SHALL BE #2 HEM-FIR OR #2 SPRUCE-PINE-FIR

TRUSS MEMBERS SIZE AND CONNECTIONS AS PER TRUSS MANUFACTURER

WOOD TRUSSES TO BE DESIGNED AND SEALED BY REGISTERED ENGINEER IN THE STATE OF NEW JERSEY

TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH WOOD TRUSS COUNCIL OF AMERICA WTCA-B2

NOTES:

1. ROOF TRUSS BRACING PER ENGINEER
2. FOR PLATED TRUSS NOTES, SEE SPECIFICATION BOOK
3. ITEMS SHOWN ON ONE AREA SAME FOR OTHER AREAS OF PLAN
4. FOR DIAGONAL WEB BRACING, SEE MANUFACTURER'S REQUIREMENTS AND COMPLY WITH TPI STANDARDS
5. INSTALL PLYWOOD SHEATHING IMMEDIATELY UPON INSTALLING FIRST 5 TRUSSES & FOLLOW UP ROOF TO PREVENT TRUSSES FROM ROTATING. PLUMB TRUSSES PRIOR TO INSTALLING ROOF SHEATHING.

william mclees architecture
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t:609.927.0888 | f: 609.927.0889
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Egg Harbor Twp., N.J. 08234-7647
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Drawn by	ACE
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Comission no. 25023O

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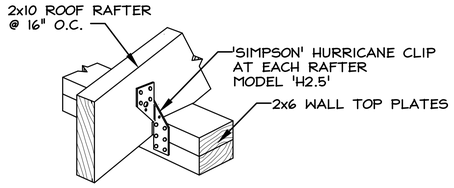
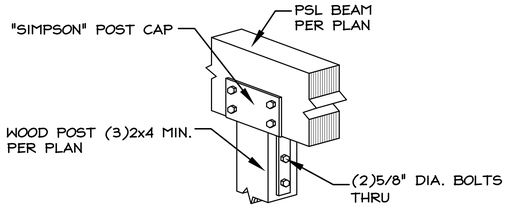
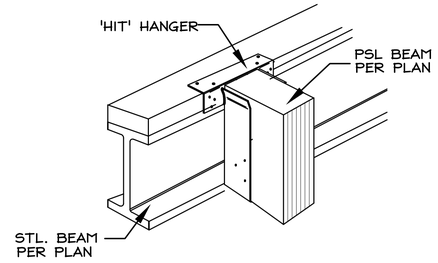


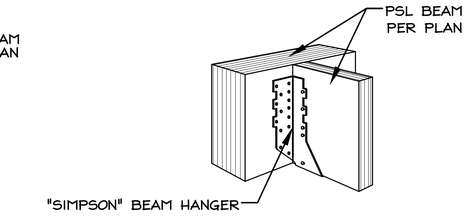
D HURRICANE CLIP DETAIL
N.T.S.



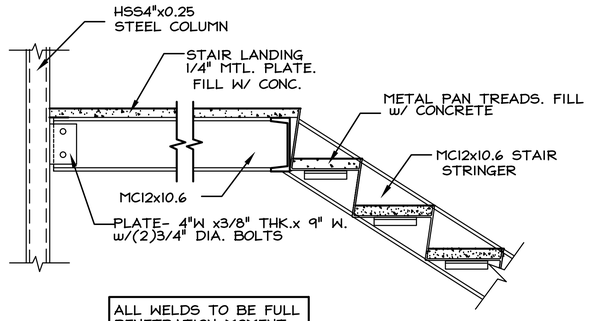
C BEAM/COLUMN CONN.
N.T.S.



B PSL/STL. BEAM CONN.
NOT TO SCALE

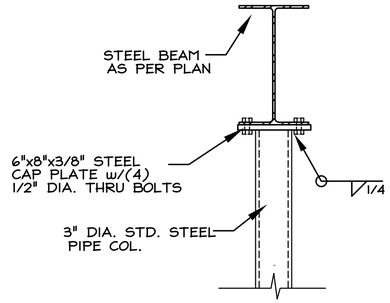


A BEAM/BEAM CONN.
N.T.S.

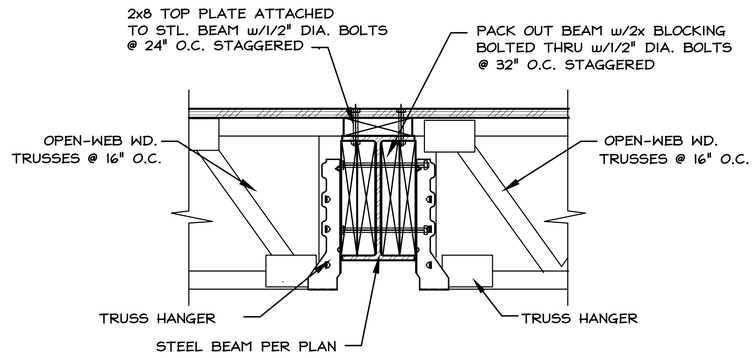


ALL WELDS TO BE FULL PENETRATION MOMENT CONNECTIONS (TYP.)

G LANDING/STAIR DETAIL
NOT TO SCALE



F ST. BEAM COL. CONN.
NOT TO SCALE



E WD. TRUSS/STL. BEAM CONN.
NOT TO SCALE

william mclees
architecture
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S-6

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1/27/2026 9:29:03 AM

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND DIMENSIONS AND SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND THE SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING NOTES.
2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S PERFORMANCE, NONPERFORMANCE, NEGLIGENT PERFORMANCE, OR BREACH OF THE CONTRACT AWARDED. CONTRACTOR SHALL INDEMNIFY, INSURE AND HOLD HARMLESS THE ENGINEER AND EACH OF HIS DIRECTORS, OFFICERS, EMPLOYEES, ATTORNEYS, AGENTS, SUBCONSULTANTS, HEIRS AND ASSIGNS, AGAINST, AND HOLD EACH OF THEM HARMLESS FROM, ANY LOSS, LIABILITIES, DAMAGES, CLAIMS, CAUSES OF ACTION, COSTS AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES AND DISBURSEMENTS, SUFFERED OR INCURRED BY ANY OF THEM ARISING OUT OF, RESULTING FROM, ATTRIBUTABLE TO, OR IN ANY MANNER CONNECTED THEREWITH.
3. CONTRACTOR MUST NOTIFY THE OWNER AND ENGINEER OF ANY OMISSIONS, CONTRADICTIONS OR CONFLICTS SEVEN DAYS BEFORE THE BID DATE. ENGINEER WILL PROVIDE THE NECESSARY CORRECTIONS OR ADDITIONS TO PLANS. IF HE DOES NOT NOTIFY THE OWNER AND ENGINEER OF ANY SUCH CONDITION, IT WILL BE ASSUMED HE HAS INCLUDED THE NECESSARY ITEMS IN HIS BID.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE REGULATIONS, BUILDING CODES, ORDINANCES AND GOOD CONSTRUCTION PRACTICES. IF THE CONTRACTOR FEELS A CONFLICT EXISTS BETWEEN WHAT IS CONSIDERED GOOD CONSTRUCTION PRACTICE AND THESE PLANS, HE SHALL STATE IN WRITING ALL OBJECTIONS PRIOR TO SUBMITTING QUOTATIONS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY AND INTEGRITY OF EXISTING STRUCTURES AND THE PROTECTION OF ADJACENT PROPERTY AND PUBLIC UNTIL COMPLETION OF THE WORK.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING THE COURSE OF THE WORK, TO BRING TO THE ATTENTION OF THE OWNER AND ENGINEER ANY DELETERIOUS CONDITIONS DISCOVERED WHERE NOT PREVIOUSLY IDENTIFIED.
7. CONTRACTOR SHALL SUBMIT ALL ALTERNATE MATERIALS, METHODS OR CONSTRUCTION DETAILS TO THE OWNER AND ENGINEER FOR APPROVAL.
8. CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR THE ACCURACY OF ALL MEASUREMENTS, ESTIMATES OF MATERIAL QUANTITIES AND SIZES, AND SITE CONDITIONS THAT WILL AFFECT WORK.
9. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION NOT SHOWN HEREIN.
10. CZAR ENGINEERING, L.L.C.'S SERVICES LIMITED TO WORK AS DESCRIBED HEREIN ONLY. NO OTHER STRUCTURE WAS REVIEWED AND WE DEFER TO THE BUILDING CONTRACT DOCUMENTS FOR ALL OTHER DESIGN INFORMATION. IF THE CLIENT, OWNER, CONTRACTOR, OR ANY OTHER INTERESTED PARTY ARE AWARE OF DEFICIENCIES IN THE BALANCE OF THE STRUCTURE, IT IS INCUMBENT UPON THEM TO NOTIFY CZAR ENGINEERING, L.L.C., IN WRITING, AND ADDITIONAL SERVICES WOULD FOLLOW UNDER SEPARATE CONTRACT. OTHERWISE, CZAR ENGINEERING, L.L.C. CANNOT AND WILL NOT ACCEPT LIABILITY FOR DEFICIENCIES IN THE BALANCE OF THE STRUCTURE.

GENERAL REQUIREMENTS & CONDITIONS

1. WHERE A SECTION OR DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE PLANS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE STRUCTURE DURING CONSTRUCTION AGAINST EARTH PRESSURE, WIND, AND OTHER FORCES UNTIL PERMANENT SUPPORTS ARE IN PLACE.
3. WHERE NO SPECIFIC INFORMATION IS GIVEN, CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ARCHITECTURAL PLANS OR THE PRESCRIPTIVE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

COMPACTED FILL

1. SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
2. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.
3. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTION TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT.
4. COMPACTION: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
5. COMPACT SOIL TO 95 PERCENT OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557.
6. TESTING AGENCY: OWNER WILL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING.
7. ALLOW TESTING AGENCY TO INSPECT AND TEST SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS.

CONCRETE AND REINFORCING

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI IN 28 DAYS. TWO TEST CYLINDERS FOR STRENGTH TESTS OF CONCRETE SHALL BE TAKEN NOT LESS THAN ONCE EACH DAY OF PLACEMENT. AIR ENTRAIN ALL CONCRETE TO SIX PERCENT.
2. ALL CONCRETE SHALL BE REINFORCED AND ERECTED IN ACCORDANCE WITH THE BUILDING REGULATIONS FOR REINFORCED CONCRETE AS ADOPTED BY ACI 318 AND LOCAL CODES.
3. THIS WORK SHALL CONFORM TO ACI 301 STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE.
4. ALL REINFORCING SHALL BE ASTM A615 GRADE 60 UNLESS OTHERWISE INDICATED. ALL WELDED WIRE FABRIC SHALL BE ASTM A185, UNLESS OTHERWISE INDICATED. DETAILS OF REINFORCEMENT AND ACCESSORIES SHALL BE FABRICATED AND PROVIDED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. BARS SHALL BE LAPPED A MINIMUM OF 36 BAR DIAMETERS AT SPLICES, UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC (ASTM A185) SHEETS SHALL LAP 8" MINIMUM.

PILING/FOUNDATION

1. PER SOIL BORING INFORMATION PILES SHOULD SUPPORT A SAFE LOAD OF 12 TONS PER PILE AS DETERMINED BY THE ENGINEERING NEWS RECORD FORMULA FOR PILING CAPACITY.
2. PILING CONTRACTOR SHALL CONFIRM BY TEST PILE THE LENGTH AND DIMENSION OF THE PILING AS REQUIRED TO OBTAIN THE STATED CAPACITY, BUT IN NO CASE LESS THAN THE FOLLOWING:

A. 40-0"! FT. MINIMUM EMBEDMENT
B. 8" MINIMUM TIP DIAMETER

3. FOR SEVERE EXPOSURE TO A MINIMUM NET RETENTION OF 1.0 PCF IN ACCORDANCE WITH AWPB SPECIFICATION MP4.
4. MINIMUM ALLOWABLE FIBER BENDING STRESS OF THE TIMBER SHALL BE 1200 PSI.

FOUNDATIONS

1. FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SAFELY SUSTAINING A NET ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF WITHOUT DETRIMENTAL SETTLEMENT.
2. FOOTING CONCRETE SHALL NOT BE POURED UNTIL THE FOOTING EXCAVATIONS HAVE BEEN INSPECTED BY THE BUILDING OFFICIAL.
3. IF IT IS FOUND THAT THE SOIL PROFILE VARIES SUBSTANTIALLY FROM THE SOIL BORINGS AT ANY LOCATION, THE ENGINEER SHALL BE IMMEDIATELY INFORMED SO THAT HE MAY REVISE HIS FOUNDATION RECOMMENDATIONS.
4. BOTTOM OF EXTERIOR FOOTINGS SHALL BE MINIMUM OF 2' 6" BELOW FINISHED GRADE.
5. ALL FILL UNDER SLABS SHALL BE A CONTROLLED FILL AND MUST BE COMPACTED TO 95% MAXIMUM DENSITY.

MASONRY

1. ALL STRUCTURAL MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AND SHALL BE MANUFACTURED USING LIGHTWEIGHT AGGREGATES.
2. MORTAR SHALL BE TYPE "S" MINIMUM.
3. ALL MASONRY WALLS SHALL BE REINFORCED WITH MINIMUM 9 GA. TRUSSED WALL REINFORCING AT 16" O.C. VERTICAL, LAP AT ALL CORNERS AND WALL INTERSECTIONS.
4. ALL MASONRY WALLS SHALL BE REINFORCED WITH MINIMUM #4 VERTICAL BARS @ 48" O.C.; (3) #4 BARS @ CORNERS; (4) #4 BARS @ INTERSECTIONS.
5. ALL BLOCK MASONRY IN BEARING WALLS SHALL BE MANUFACTURED, TESTED AND INSTALLED IN ACCORDANCE WITH THE "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY", PUBLISHED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.
6. MASONRY CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING OF ALL MASONRY WORK UNTIL BUILDING IS CLOSED IN AND COMPLETE.

WOOD FRAMING

1. ALL LUMBER SHALL BE HEM-FIR #2, DOUGLAS FIR-LARCH #2, OR SOUTHERN PINE #2 OR BETTER.
2. LUMBER DESIGN IS BASED ON THE FOLLOWING:

EXTREME FIBER BENDING = 1,000 PSI
= 1,150 PSI (REPETITIVE USES)
MODULUS OF ELASTICITY = 1,400,000 PSI
HORIZONTAL SHEAR = 75 PSI
COMPRESSION PERP.
TO THE GRAIN = 405 PSI

3. PARALAM ENGINEERED LUMBER (PSL) DESIGN IS BASED ON THE FOLLOWING:

EXTREME FIBER BENDING = 2,900 PSI
MODULUS OF ELASTICITY = 2,000,000 PSI
HORIZONTAL SHEAR = 290 PSI
COMPRESSION PERP.
TO THE GRAIN = 750 PSI

4. ALL TIMBER DESIGNATED AS SUCH SHALL BE PRESSURE TREATED (P.T.) WITH ALKALINE COPPER QUATERNARY (ACQ) PER AMERICAN WOOD PRESERVERS ASSOCIATION STANDARDS WITH MINIMUM NET RETENTION DEPENDENT ON THE FOLLOWING APPLICATIONS:

A. ABOVE GROUND (0.25)
B. GROUND CONTACT (0.40)
C. FRESH WATER CONTACT (0.40)

14. FASTENERS FOR ACQ PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED PER ASTM A153, CLASS D.

PRE-FABRICATED WOOD TRUSSES

1. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE APPLICABLE I.B.C., A.I.T.C., AND T.P.I. STANDARDS TO SUPPORT THE LOADINGS AS SPECIFIED ON THE DRAWINGS AND CERTIFIED BY THE MANUFACTURER'S ENGINEER, LICENSED IN THE STATE OF NEW JERSEY. ALL TRUSS CONNECTIONS SHALL BE AN APPROVED TYPE AND SHALL BEAR LABELS INDICATING SAME. CERTIFIED SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. CONTRACTOR RESPONSIBLE FOR LATERAL BRACING AS REQUIRED BY T.P.I AND THE TRUSS MANUFACTURER.
2. INSTALL PLYWOOD SHEATHING IMMEDIATELY UPON INSTALLING FIRST (5) TRUSSES AND FOLLOW ALONG ROOF TO PREVENT TRUSSES FROM ROTATING. PLUM TRUSSES PRIOR TO INSTALLING SHEATHING.
3. TRUSSES SHALL BE DESIGNED FOR ALL LOADS AS REQUIRED BY LISTED DESIGN CODE, INCLUDING WIND, SNOW, AND SEISMIC, BUT SHALL NOT BE LESS THAN HE FOLLOWING MINIMUM LOADS:

A. TOP CHORD DEAD LOAD = 15 PSF
B. TOP CHORD LIVE LOAD = 20 PSF
C. BOTTOM CHORD DEAD LOAD = 10 PSF
D. BOTTOM CHORD LIVE LOAD = 5 PSF

4. SNOW LOADS AND WIND LOADS SHALL BE BASED ON ASCE 7 OR PER LOCAL BUILDING CODE, WHICHEVER IS GREATER.
5. ROOF TRUSSES SHALL BE CONNECTED TO TO BEARING PLATE WITH SIMPSON TYPE 'H' HURRICANE ANCHORS FOR THE REACTION SHOWN ON THE TRUSS SHOP DRAWINGS, BUT NO LESS THAN ONE SIMPSON 'H3' ANCHOR. MULTIPLE ANCHORS ARE ACCEPTABLE AT LOCATIONS WHERE REACTION EXCEEDS CAPACITY OF A SINGLE ANCHOR.

DESIGN LOAD SCHEDULE

GOVERNING CODE: 2021 NJIBC, ASCE 7-10 AND ATC COUNCIL WEB APP FOR WIND SPEED MAPPING.

1. DEAD LOAD: WEIGHT OF ALL BUILDING COMPONENTS.
2. LIVE LOADS: OFFICE = 50 PSF
   ASSEMBLY = 100 PSF
   STORAGE = 125 PSF
3. ROOF LOADS: LIVE = 20 PSF
   GROUND SNOW = 30 PSF
   ROOF EXPOSURE FACTOR = 0.7
   SNOW IMPORTANCE FACTOR = 1.0
4. WIND LOADS: 125 MPH
   EXPOSURE CLASSIFICATION D
   RISK CATEGORY III
5. SEISMIC: AV = AA = 0.06
   HAZARD EXPOSURE GROUP II
   SOIL PROFILE TYPE S4 - COEFFICIENT = 2.0
   PERFORMANCE CATEGORY B
   RESPONSE MODIFICATION FACTOR R = 4.5
   DEFLECTION AMPLIFICATION FACTOR CD = 4.0

CODES AND STANDARDS

1. THE STATE OF NEW JERSEY DEPARTMENT OF COMMUNITY AFFAIRS, CONSTRUCTION CODE ELEMENTS "UNIFORM CONSTRUCTION CODE";
2. INTERNATIONAL BUILDING CODE COUNCIL, INTERNATIONAL BUILDING CODE 2021", NEW JERSEY EDITION
3. ASCE 7-10 ASTANDARD FOR MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
4. AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05/ASCE 5-05/TMS 402-05),
5. AMERICAN CONCRETE INSTITUTE, ABUILDING REQUIREMENTS FOR STRUCTURAL CONCRETE (318-05).

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

CZAR Engineering L.L.C.
5014 FERNWOOD AVENUE
Egg Harbor Twp., N.J. 08234-7447
(609) 653-9445
Lamont H. Czar, P.E. NJ Lic.24GE03382700

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

No.	Description	Date
	BID SET	8/28/26

GENERAL NOTES

Scale	
Drawn by	ACE
Date	8/18/26

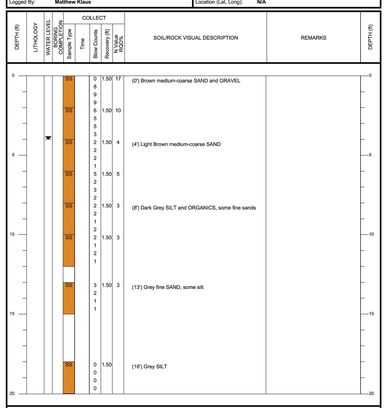
S-7

Comission no. 25023O

1/27/2026 9:29:03 AM

	Client: Czar Engineering	BORING LOG
	Project: Ocean City Airport	Boring No. 1
	Address: 2600 Bay Ave, Ocean City, NJ	Page: 1 of 3

Drilling Start Date:	03/04/2026	Boring Depth (ft):	55.0
Drilling End Date:	03/04/2026	Boring Diameter (in):	3.25
Drilling Company:	Soil Borings Drilling	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	4.0
Drilling Equipment:	Mobile B-51	DTW After Drilling (ft):	4.0
Driller:	Anthony Scafidi	Ground Surface Elev. (ft):	N/A
Logged By:	Matthew Klaus	Location (Lat, Long):	N/A



NOTES:

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	Client: Czar Engineering	BORING LOG
	Project: Ocean City Airport	Boring No. 1
	Address: 2600 Bay Ave, Ocean City, NJ	Page: 2 of 3

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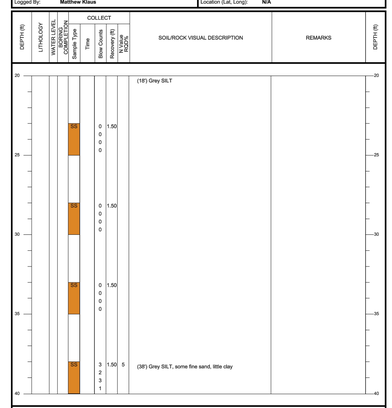
Logged By:	Matthew Klaus	Location (Lat, Long):	N/A



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	Address: 2600 Bay Ave, Ocean City, NJ	Page: 3 of 3

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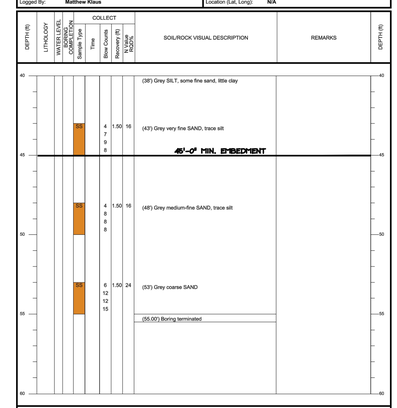

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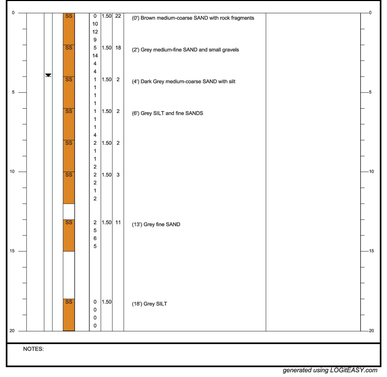
	Client: Czar Engineering	BORING LOG
	Project: Ocean City Airport	Boring No. 2
	Address: 2600 Bay Ave, Ocean City, NJ	Page: 1 of 3

Drilling Start Date:	03/04/2026	Boring Depth (ft):	55.0
Drilling End Date:	03/04/2026	Boring Diameter (in):	3.25
Drilling Company:	Soil Borings Drilling	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	4.0
Drilling Equipment:	Mobile B-51	DTW After Drilling (ft):	4.0
Driller:	Anthony Scafidi	Ground Surface Elev. (ft):	N/A
Logged By:	Matthew Klaus	Location (Lat, Long):	N/A



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	Client: Czar Engineering	BORING LOG
	Project: Ocean City Airport	Boring No. 2
	Address: 2600 Bay Ave, Ocean City, NJ	Page: 2 of 3

Drilling Start Date:	03/04/2026	Boring Depth (ft):	55.0
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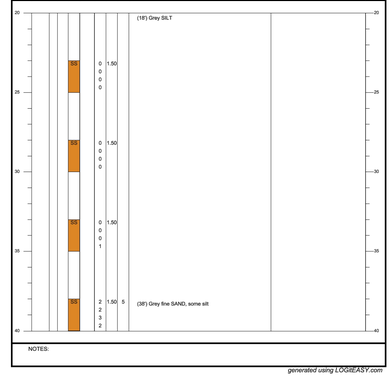

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	Address: 2600 Bay Ave, Ocean City, NJ	Page: 3 of 3

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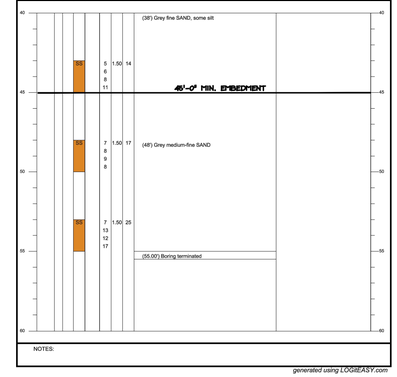

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william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

CZAR Engineering L.L.C.
5014 FERNWOOD AVENUE
Egg Harbor Twp., N.J. 08234-7647
(609) 653-9445
Lamont H. Czar, P.E. NJ Lic.24GE03382700

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

No.	Description	Date
	BID SET	8/28/26

SOIL BORING

Scale	
Drawn by	ACE
Date	8/18/26

S-8

Comission no.	25023O

1/27/2026 9:29:03 AM

ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACR	AIR CURTAIN
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROL
BAS	BUILDING AUTOMATION SYSTEM
BD	BACKDRAFT DAMPER
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINE
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
℄	CENTER LINE
CC	COOLING COIL
CD	CEILING DIFFUSER
CDR	CONDENSER WATER RETURN
CDS	CONDENSER WATER SUPPLY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CO	CARBON MONOXIDE
COND	CONDENSATE
CP	CONDENSATE PUMP
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME / CONTROL VALVE
CW	COLD WATER
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DEH	DEHUMIDIFIER
DI	DEIONIZED WATER
DIA/Ø	DIAMETER
DIFF	DIFFERENTIAL
DISCH	DISCHARGE
DL	DOOR LOUVER
DN	DOWN
DR	DRAIN
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EBB	ELECTRIC BASEBOARD RADIATION
EC	EVAPORATIVE CONDENSOR
ECC	ECCENTRIC
EDH	ELECTRIC DUCT HEATER
EDR	EQUIVALENT DIRECT RADIATION
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EH	ELECTRIC HEATER
EMCS	ENERGY MONITORING CONTROL SYSTEM
ER	EXHAUST REGISTER
ERU	ENERGY RECOVERY UNIT
ES	END SWITCH
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
(F)	FUTURE
°F	DEGREES FAHRENHEIT
F	FILTER
FA	FROM ABOVE
FB	FROM BELOW
FC	FORWARD CURVED OR FLEX CONN.
FCU	FAN COIL UNIT
FCV	FLOW CONTROL VALVE
FD	FLOOR DRAIN OR FIRE DAMPER
FG	FIBERGLASS
FLA	FULL LOAD AMPS
FM	FLOW METER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PIPE
FS	FLOW SWITCH
FT	FEET OR FLASH TANK
FT/WG	FEET WATER GAUGE
FTR	FINNED TUBE RADIATION
FV	FACE VELOCITY
FZ	FREEZESTAT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRILLE OR GLYCOL RETURN
GS	GLYCOL SUPPLY
GV	GATE VALVE
H	HUMIDISTAT
HC	HEATING COIL
HD	HEAD
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE FILTER
HL	HIGH LIMIT
HOA	HAND-OFF AUTOMATIC SELECTOR SWITCH
H/O	HAND-OFF SELECTOR SWITCH
HP	HORSEPOWER OR HEAT PUMP
HRU	HEAT RECOVERY UNIT
HUM	HUMIDITY OR HUMIDIFIER
HV	HEATING & VENTILATING UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
Hz	HERTZ
ID	INSIDE DIAMETER
I/L	INTERLOCK
IN	INCH
IN/WG	INCHES WATER GAUGE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB	POUND(S)
LB/HR	POUNDS PER HOUR
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LH	LATENT HEAT
LR	LINEAR RETURN
LRA	LOCKED ROTOR AMPS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	MAIN AIR
MAU	MAKEUP AIR UNIT
MB	MIXING BOX
MBH	1000 BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MHP	MOTOR HORSEPOWER
MOD	MOTOR OPERATED DAMPER
MU	MAKE UP WATER
MVD	MANUAL VOLUME DAMPER
(N)	NEW
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NO2	NITROGEN DIOXIDE
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OCC	OCCUPIED
OD	OUTSIDE DIAMETER
OED	OPEN END DUCT
OV	OUTLET VELOCITY
P	PUMP
PBD	PARALLEL BLADE DAMPER
PD	PRESSURE DROP
PERF	PERFORATED
PF	PLATE AND FRAME HEAT EXCHANGER
PH	PHASE
PHC	PREHEAT COIL
PNEU	PNEUMATIC
PRV	PRESSURE REDUCING VALVE
PSF	POUND PER SQUARE FOOT
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PRESSURE TRANSMITTER
PVC	POLYVINYL CHLORIDE
(R)	REMOVED
RA	RETURN AIR OR REVERSE ACTING
RAD	RADIATION
RCP	RADIANT CEILING PANEL
RD	RETURN AIR DAMPER
REFR	REFRIGERANT
RE	RELIEF AIR/RELOCATE
RELD	RELIEF DAMPER
RF	RETURN AIR FAN
RG	RETURN AIR GRILLE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RHR	REHEAT HOT WATER RETURN
RHS	REHEAT HOT WATER SUPPLY
RL	REFRIGERANT LIQUID
RO	ROOF OPENING
RPM	REVOLUTIONS PER MINUTE
RR	RETURN AIR REGISTER
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	REFRIGERANT VENT
SA	SUPPLY AIR
SD	SMOKE DAMPER OR SUPPLY DIFFUSER
SDA	SOUND ATTENUATOR
SF	SUPPLY AIR FAN
SG	SUPPLY AIR GRILLE
SH	SENSIBLE HEAT
SMD	SMOKE DETECTOR
SP	STATIC PRESSURE
SR	SUPPLY AIR REGISTER
SRD	SAFETY RELIEF VALVE DISCHARGE
SRV	SAFETY RELIEF VALVE
ST STL	STAINLESS STEEL
SUCT	SUCTION
SW	SOFT WATER
S/R	SUPPLY AND RETURN
T	THERMOSTAT
TAB	TESTING AND BALANCING
TAD	TRANSFER AIR DUCT
TF	TERMINAL AIR FILTER
TEMP	TEMPERATURE
TH	TOTAL HEAT
THERM	THERMOMETER
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TT	TEMPERATURE TRANSMITTER
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UNOCC	UNOCCUPIED
UV	UNIT VENTILATOR
V	VENT OR VOLTS
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VEL	VELOCITY
VF	VENTILATING FAN
VFD	VARIABLE FREQUENCY DRIVE
VI	VIBRATION ISOLATOR
VIB	VIBRATION
VTR	VENT THROUGH ROOF
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WIRE MESH SCREEN

LINE DESIGNATIONS

CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
RHS	REHEAT HOT WATER SUPPLY
RHR	REHEAT HOT WATER RETURN
HPS	HEAT PUMP SUPPLY
HPR	HEAT PUMP RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
EGE	EMERGENCY GENERATOR EXHAUST
G	NATURAL GAS
C	COIL CONDENSATE DRAIN
CF	CHEMICAL FEED
MU	MAKE UP WATER
CBD	CONTINUOUS BOILER BLOWDOWN
CSL	COMMON SAFETY LINE
RV	REFRIGERANT VENT
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION

MISC. DWG. SYMBOLS

- POINT OF CONNECTION
- POINT OF CONNECTION FOR FUTURE WORK
- EQUIPMENT SYMBOL
- EQUIPMENT NUMBER OR FLOW (GPM,CFM,ETC.)
- DETAIL NUMBER
- DETAIL DRAWING NUMBER
- SECTION LETTER
- SECTION DRAWING NUMBER
- PLAN NUMBER
- PLAN DRAWING NUMBER
- KEYED NEW WORK NOTE

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY/OUTSIDE AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	45° ENTRY TAKEOFF, RECTANGULAR TO RECTANGULAR
	90° TAKEOFF, RECTANGULAR TO ROUND, STRAIGHT
	90° TAKEOFF, RECTANGULAR TO ROUND BELLMOUTH W/ MANUAL VOLUME DAMPER
	90° TAKEOFF, ROUND TO ROUND, STRAIGHT
	90° CONICAL TAKEOFF, ROUND TO ROUND
	45° CONICAL LATERAL, ROUND TO ROUND
	45° LATERAL, ROUND TO ROUND
	45° WYE, ROUND TO ROUND
	END OF DUCT (CAPPED)
	SIDEWALL AIR TERMINAL W/VD (ARROWS DENOTE THROW DIRECTION)
	LINEAR DIFFUSER
FD	FIRE DAMPER - VERTICAL POSITION
	FIRE DAMPER - HORIZONTAL POSITION
	FLEXIBLE CONNECTION
	MANUAL VOLUME DAMPER
MOD	MOTOR OPERATED DAMPER
SD	SMOKE DETECTOR (DUCT-MOUNTED)
	RETURN/EXHAUST AIR DESIGNATION
	SUPPLY AIR DESIGNATION
AD	ACCESS DOOR
AL	ACOUSTICAL LINING/INTERNAL INSULATION
	TRANSFER AIR DESIGNATION

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	MANUAL BALANCING VALVE WITH PRESSURE TAPS SEE SPECIFICATIONS FOR TYPE
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	VACUUM BREAKER
	CHECK VALVE
	ANGLE SHUTOFF VALVE SEE SPECIFICATIONS FOR TYPE
	ANGLE BALANCING/SHUTOFF VALVE SEE SPECIFICATIONS FOR TYPE
	TRIPLE DUTY VALVE
	COMBINATION BALANCING/SHUTOFF VALVE W/PRESSURE TAPS
	PRESSURE REDUCING VALVE
	SAFETY/RELIEF VALVE - PLAN AND ELEVATION
B	BASKET STRAINER - ELEVATION AND PLAN
	Y-STRAINER WITH PLUG
	Y-STRAINER WITH DRAIN VALVE
	PRESSURE GAUGE WITH GAUGE COCK
	PRESSURE GAUGE WITH GAUGE COCK AND BOURDON TUBE
	THERMOMETER
P/T	PRESSURE/TEMPERATURE TEST FITTING
FM	FLOW METER
	PIPE UP AND DOWN
	TEE CONNECTION - STRAIGHT, DOWN, AND UP
	UNION
	END CAP
	BLIND FLANGE
	PIPE ANCHOR
	PIPE GUIDE (SLIDING)
	PIPE GUIDE (MOMENT)
	ELECTRICALLY HEAT TRACED PIPING
	AIR VENT - (MANUAL)
	AUTOMATIC AIR VENT
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
P R	PITCH OF PIPE, RISE (R) DROP (D)

CONTROLS

SYM. SYM. AUTOMATIC CONTROL DAMPER SYMBOLS:

OA = OUTSIDE AIR SA = SUPPLY AIR
RA = RETURN AIR SD = SMOKE DAMPER
EA = EXHAUST AIR FS = FIRE/SMOKE
RE = RELIEF AIR
BD = BACKDRAFT DAMPER

T	THERMOSTAT - DUCT MOUNTED
T	THERMOSTAT - WALL MOUNTED
T/H	COMBINATION THERMOSTAT/HUMIDISTAT
CO_2	CARBON DIOXIDE SENSOR - WALL MOUNTED
H	HUMIDISTAT - DUCT MOUNTED
H	HUMIDISTAT - WALL MOUNTED
FZ	FREEZESTAT (LOW TEMPERATURE DETECTOR)
SP	STATIC PRESSURE SENSOR - DUCT MOUNTED
SP	SPACE STATIC PRESSURE SENSOR
	AUTOMATIC CONTROL VALVE (2 - WAY)
	AUTOMATIC CONTROL VALVE (3 - WAY)
	SOLENOID VALVE
FS	FLOW SWITCH
CO	CO DETECTOR
CO/NO2	COMBINATION CO/NO2 DETECTOR
CO	DUCT MOUNTED CARBON MONOXIDE DETECTOR
BMS	BUILDING MANAGEMENT SYSTEM CONTROL PANEL

NOTES

THE FOLLOWING NOTES APPLY TO ALL "M" MECHANICAL DRAWINGS:

1. ALL WORK SHALL FOLLOW THE INTERNATIONAL MECHANICAL CODE 2021, NJ EDITION.
2. ALL WORK CONTAINED WITHIN THE MECHANICAL DRAWINGS AND SPECIFICATIONS IS THE RESPONSIBILITY OF THE SINGLE PRIME CONTRACTOR UNLESS OTHERWISE NOTED.
3. NOT ALL SYMBOLS, ABBREVIATIONS AND LINE DESIGNATIONS ARE NECESSARILY USED ON THIS PROJECT.
4. ALL HVAC EQUIPMENT, DUCTWORK, PIPING, SUPPORTS AND ACCESSORY LOCATIONS AND ROUTING SHALL BE COORDINATED WITH ALL OTHER TRADES AND FIELD VERIFIED PRIOR TO INSTALLATION TO PROVIDE REQUIRED CLEARANCES FOR ALL OTHER SYSTEMS.
5. SUPPLY, RETURN AND EXHAUST AIR OPENING LOCATIONS AND SIZES FOR ROOF MOUNTED MECHANICAL EQUIPMENT ARE SHOWN FOR DUCTWORK ROUTING ONLY. THE MECHANICAL CONTRACTOR SHALL VERIFY THE ACTUAL SIZES OF DUCT CONNECTIONS AND THE REQUIRED ROOF OPENING SIZES FOR THE ROOF MOUNTED EQUIPMENT AND COORDINATE THE FINAL LOCATION OF ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR.
6. THE CONTRACTOR PROVIDING MECHANICAL TRADE WORK SHALL INSTALL ALL ROOF MOUNTED MECHANICAL EQUIPMENT CURBS AND FLASHING AND COORDINATE WITH THE CONTRACTOR PROVIDING GENERAL TRADES PRIOR TO THE APPLICATION OF THE BUILDING ROOFING. THE CONTRACTOR PROVIDING MECHANICAL TRADE WORK SHALL ALSO INSTALL ALL NECESSARY ROOF CURB COUNTER-FLASHING TO ACHIEVE A WATERTIGHT ROOFING SEAL.
7. DUCTWORK MAINS AND BRANCHES ARE SHOWN DIAGRAMMATICALLY AND FOR DESIGN CLARITY AND AT THE ROOM LEVEL ROUTING AND ARRANGEMENT IS SHOWN TO MINIMIZE NOISE CARRYOVER FROM MECHANICAL EQUIPMENT AND ADJOINING SPACES. CONTRACTOR MAY PROPOSE REROUTING, OFFSETS, RISES AND DROPS AS NECESSARY TO CLEAR INSTALLED TRUSSES, JOISTS AND OTHER INTERFERENCES. FINAL DUCTWORK LAYOUT WILL BE APPROVED IN REQUIRED DUCTWORK SHOP DRAWING SUBMITTAL REVIEW PRIOR TO INSTALLATION. DEVIATIONS FROM APPROVED DUCTWORK SHOP DRAWING TO SUIT FIELD CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
8. ALL PIPING/DUCTWORK/CONTROLS PENETRATING FIRE RATED PARTITIONS, WALLS AND CEILINGS SHALL BE SEALED ON BOTH SIDES USING AN APPROVED, UL LISTED FIRE SEALANT TO MATCH WALL FIRE RATING.
9. ELECTRICAL COORDINATION: CONTRACTOR PROVIDING MECHANICAL TRADE WORK SHALL COORDINATE VOLTAGES FOR EACH PIECE OF EQUIPMENT BEFORE PURCHASING EQUIPMENT WITH CONTRACTOR PROVIDING ELECTRICAL TRADE WORK.
10. CONTRACTOR COMPLETING CONTROLS INSTALLATION IS RESPONSIBLE FOR ALL LOW VOLTAGE (24V) CONTROL WIRING AND SHALL COORDINATE REQUIREMENTS FOR 120V/1PH/60Hz FOR POWER FEEDS TO CONTROLLERS (IF REQUIRED) WITH CONTRACTOR COMPLETING ELECTRICAL WORK.
11. HVAC TESTING & BALANCING (AIR & WATER) IS A PART OF THIS CONTRACT FOR ALL NEW EQUIPMENT INSTALLED UNDER THIS PROJECT. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED TEST & BALANCE REPORTS, REFER TO PROJECT BOOK SPECIFICATIONS FOR DETAILS.
12. THE CONTRACTOR IS TO REPLACE ALL AIR-FILTERS AFTER COMPLETION OF CONSTRUCTION AND INITIAL TESTING OF HVAC SYSTEMS WITH NEW CLEAN FILTERS.
13. CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO EQUIPMENT. IF DUCT CONNECTION TO EQUIPMENT CANNOT BE MADE WITHOUT A HARD CONNECTION (E.G. MIXING BOX/FILTER RACK ASSEMBLY), CONTRACTOR SHALL PROVIDE FLEX CONNECTIONS FOR ALL DUCT CONNECTING WITH A HARD CONNECTION TO EQUIPMENT.
14. ALL NECESSARY STAGING AND MATERIAL STORAGE AREAS SHALL BE AS DIRECTED AND APPROVED BY THE OWNER.
15. ALL WORK SHALL BE PERFORMED TO NOT INTERFERE WITH THE NORMAL OPERATION OF THE FACILITIES. COORDINATE ANY NECESSARY SHUTDOWNS WITH THE FACILITY. MINIMIZE SHUTDOWNS TO LIMIT IMPACT OF INTERRUPTION OF COOLING, HEATING, DHW AND ELECTRICAL SERVICE TO THE FACILITY.
16. ALL MEANS OF EGRESS MUST BE KEPT FREE AND CLEAR OF ALL MATERIAL.
17. VERIFY ALL CONDITIONS, ELEVATIONS AND MEASUREMENTS SHOWN ON CONTRACT DRAWINGS. ALL DIMENSIONS AND ELEVATIONS FOR NEW AND EXISTING EQUIPMENT, PIPING AND APPARATUS ARE APPROXIMATE AND ARE ONLY FOR REFERENCE. SUBMIT SHOP DRAWINGS SHOWING ALL DIMENSIONS AND ELEVATIONS VERIFIED IN THE FIELD.
18. ALL INSTRUMENTS SHALL BE LOCATED TO PROVIDE EASY ACCESS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
19. NO PIPING SMALLER THAN 3/4" EXCEPT AS NOTED.
20. PROVIDE WIRING AND RACEWAYS RELATED TO CONTROL OF MECHANICAL EQUIPMENT. RACEWAYS TO BE MINIMUM 3/4".
21. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING WALK-THROUGH OF SITE PRIOR TO SUBMITTING BID TO BE FAMILIAR WITH SITE CONDITIONS AND REQUIREMENTS.
22. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED CALCULATIONS (SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NEW JERSEY) AND INSTALLATION INFORMATION TO SHOW COMPLIANCE WITH SEISMIC AND WIND FORCES IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2021, NJ EDITION. INFORMATION SHALL BE MADE AVAILABLE TO ENGINEER FOR REVIEW AND ALSO, MADE AVAILABLE UPON REQUEST FOR SUBMISSION TO CODE ENFORCEMENT. PROVIDE ALL SUPPORT SYSTEMS, SUPPLEMENTAL STEEL, ANCHORS, PIPE HANGERS AND ENGINEERING DOCUMENTATION NECESSARY TO PROVIDE A COMPLETE CODE COMPLIANT SYSTEM.

CONTRACT PERFORMANCE:

1. EXECUTE THE WORK IN THE BEST AND MOST THOROUGH MANNER AND TO THE SATISFACTION OF THE CONSULTING ENGINEERS, WHO WILL JOINTLY INTERPRET THE MEANING OF THE DRAWINGS AND SPECIFICATIONS AND SHALL HAVE THE POWER TO REJECT ANY WORK AND MATERIALS WHICH, IN THEIR JUDGMENT, ARE NOT IN FULL ACCORDANCE THEREWITH.
2. EXCEPT FOR CHANGES AS MAY BE SPECIFICALLY APPROVED BY THE CONSULTING ENGINEERS, IN ACCORDANCE WITH ALTERNATES OF OPTIONS STATED HEREINAFTER, ALL WORK MUST BE IN FULL ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS, COMPLETE IN EVERY WAY AND READY FOR SATISFACTORY AND EFFICIENT OPERATION WHEN DELIVERED TO THE OWNER.
3. WHERE DISAGREEMENTS OCCUR BETWEEN THE PLANS AND THE SPECIFICATIONS, OR WITHIN EITHER DOCUMENT ITSELF, THE ITEM OR ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY OR HIGHER COST SHALL BE INCLUDED IN THE BASE BID.
4. THE DRAWINGS SHOW VARIOUS MECHANICAL AND ELECTRICAL SYSTEMS SCHEMATICALLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY JUNCTION BOXES, PULL BOXES, SUPPORT AND ACCESSORIES TO MEET APPLICABLE CODES, BUILDING STANDARDS AND FULFILL CONTRACT DOCUMENTS. NO ADDED COMPENSATION WILL BE PERMITTED FOR VARIATIONS DUE TO FIELD CONDITIONS.
5. THE CONTRACTOR COVENANTS AND AGREES THAT HE AND HIS SUBCONTRACTORS, AND HIS AND THEIR AGENTS, SERVANTS AND EMPLOYEES, WILL PROVIDE AND MAINTAIN A SAFE PLACE TO WORK, AND THAT HE AND THEY WILL COMPLY WITH ALL LAWS AND REGULATIONS OF ANY GOVERNMENTAL AUTHORITY HAVING JURISDICTION THEREOF, AND THE CONTRACTOR AGREES TO INDEMNITY, DEFEND AND HOLD HARMLESS THE CONSULTING ENGINEER AND OWNER FROM AND AGAINST ANY LIABILITY, LOSS, DAMAGE OR EXPENSE, INCLUDING ATTORNEY'S FEES ARISING FROM FAILURE OR ALLEGED FAILURE ON THE PART OF THE CONTRACTOR, HIS SUBCONTRACTORS AND HIS AND THEIR AGENTS, SERVANTS AND EMPLOYEES TO PROVIDE AND MAINTAIN A SAFE PLACE TO WORK OR TO COMPLY WITH ALL LAWS AND REGULATIONS OF ANY GOVERNMENTAL AUTHORITY HAVING JURISDICTION THEREOF.
6. THE CONTRACTOR AND EACH SUBCONTRACTOR COVENANTS AND AGREES TO INDEMNITY, DEFEND AND HOLD HARMLESS THE CONSULTING ENGINEER AND OWNER FROM AND AGAINST ANY LIABILITY, LOSS, DAMAGE OR EXPENSE, INCLUDING ATTORNEY'S FREES ARISING FROM A FAILURE OR ALLEGED FAILURE ON THE PART OF THE CONTRACTOR, HIS SUBCONTRACTORS AND HIS AND THEIR AGENTS, SERVANTS AND EMPLOYEES, TO PROPERLY DISCHARGE THE OBLIGATIONS ASSUMED BY HIM OR THEM IN THE PERFORMANCE OF THE WORK, INCLUDING ANY ACT OR OMISSION ALLEGEDLY RESULTING IN DEATH OR PERSONAL INJURY, OR PROPERTY DAMAGE OR IMPROPER CONSTRUCTION, CONSTRUCTION TECHNIQUES OR THE USE OF IMPROPER OR INAPPROPRIATE MATERIAL OR TOOLS.
7. THE CONTRACTOR AGREES THAT ANY CONTROVERSY OR DISPUTE TO WHICH THE CONTRACTOR AND THE CONSULTING ENGINEERS ARE PARTIES, SHALL BE SUBMITTED TO ARBITRATION FOR DECISION IN ACCORDANCE WITH THE RULES OF SUCH ASSOCIATION FOR CONSTRUCTION INDUSTRY DISPUTES. ALL SUBCONTRACTORS LIKEWISE AGREE TO SUBMIT TO SUCH ARBITRATION ANY DISPUTE BETWEEN OR AMONG THEM, THE CONTRACTOR AND THE CONSULTING ENGINEERS, AND THE CONTRACTOR AGREES TO MAKE AVAILABLE TO THE CONSULTING ENGINEERS ON DEMAND SIGNED COPIES OF THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR AND BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS. THE CONTRACTOR AND EACH SUBCONTRACTOR AGREE THAT BY SUBMITTING A BID WHICH IS ACCEPTED, THIS PARAGRAPH SHALL BE DEEMED A WRITTEN AGREEMENT TO SUBMIT ANY CONTROVERSY THEREAFTER ARISING ARBITRATION.
8. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL GOVERNING CODES, INCLUDING AMENDMENTS, BULLETINS, ETC., AS WELL AS STANDARDS OF INSTALLATION AND EQUIPMENT ESTABLISHED FOR THE BUILDINGS, AND REQUIREMENTS OF THE OWNER.
9. OBTAIN ALL NECESSARY PERMITS AND APPROVAL FROM GOVERNING AUTHORITIES AND FILE ALL NECESSARY FORMS. PAY ALL INSPECTION FEES.
10. COORDINATE SCHEDULING OF ALL WORK TO BE PERFORMED WITH OWNER AND/OR HIS AGENT, AND INCLUDE ALL NECESSARY PREMIUM TIME REQUIRED FOR SHUTDOWNS, WORK IN OCCUPIED AREAS, ETC., WHICH IS TO BE PERFORMED AFTER OR BEFORE NORMAL WORKING HOURS.
11. ALL AREAS ASSOCIATED WITH WORK TO BE PERFORMED, SHALL BE EXAMINED BY ALL CONTRACTORS AND SUBCONTRACTORS PRIOR TO BID SUBMISSION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR CONDITIONS FOUND DURING CONSTRUCTION.
12. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING WORK ON WHICH THIS WORK IS IN ANY WAY DEPENDENT FOR PERFECT WORKMANSHIP, ACCORDING TO THE INTENT OF THIS SPECIFICATION, AND REPORT TO THE OWNER'S CONSTRUCTION MANAGER ANY CONDITION WHICH PREVENTS PERFORMANCE OF FIRST-CLASS WORK. NO "WAIVER OF RESPONSIBILITY" FOR INCOMPLETE, INADEQUATE OR DEFECTIVE WORK WILL BE CONSIDERED UNLESS NOTICE HAS BEEN FILED BEFORE SUBMITTAL OF A PROPOSAL.
13. COORDINATE ALL WORK WITH OTHER TRADES TO INSURE INSTALLATION IS MADE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
14. FURNISH ADEQUATE LIABILITY INSURANCE AND BINDING AS SPECIFIED IN DIVISION 1 TECHNICAL SPECIFICATIONS AND AS REQUIRED BY OWNER.
15. INCLUDE ALL LABOR, MATERIALS, AND APPURTENANCES REQUIRED FOR THE FURNISHING, INSTALLING AND TESTING OF ALL WORK, COMPLETE AND MAKE READY FOR OPERATION IN A MANNER SATISFACTORY TO THE CONSULTING ENGINEER, ALL WORK SHOWN ON DRAWINGS AND SPECIFIED HEREIN.

SUBSTITUTIONS:
CONTRACTOR MAY SUBSTITUTE SPECIFIED MANUFACTURER'S EQUIPMENT, DEVICES, SYSTEMS, MATERIALS, ETC., IF THE SUBSTITUTED ITEM IS AMERICAN MANUFACTURED, NOT A DEVIATION FROM THE SPECIFIED ITEM'S SIZE, FEATURES, QUALITY, OR AVAILABILITY, ETC., AS SET FORTH IN THE CONTRACT DRAWINGS, TECHNICAL SPECIFICATIONS, ETC. IT IS UNDERSTOOD THAT SUBSTITUTED ITEMS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, SUBJECT TO THE OVERALL TERMS OF THE CONTRACT TO BE AWARDED BY OWNER, AND THAT NO ADDITIONAL COSTS ASSOCIATED WITH CHANGES TO ANY TRADES WORK, INCLUDING ADDITIONAL DESIGN SERVICES OR DELIVERY CHARGES, WILL BE ALLOWED. ALL SUBSTITUTIONS SHALL BE IN FULL COMPLIANCE WITH THE NEW JERSEY LOCAL PUBLIC CONTRACTS LAW AND REGULATIONS.

SPECIFICATION NOTE:
IF THE CONTRACTOR DISCOVERS A DISCREPANCY BETWEEN THE PROJECT'S TECHNICAL BOOK SPECIFICATIONS AND THE DRAWING SPECIFICATIONS, CONTRACTOR SHALL IMPLEMENT THE MORE STRINGENT OF THE TWO.

MAINTENANCE SERVICES:

1. CONTRACTOR SHALL PROVIDE TWELVE (12) MONTHS OF MECHANICAL MAINTENANCE SERVICES FOR ALL NEW MECHANICAL HVAC EQUIPMENT, DEVICES, COMPONENTS, APPURTENANCES, CONTROLS, WATER TREATMENT AND SYSTEMS (INCLUDING CHEMICALS), INSTALLED AS PART OF THIS PROJECT. THE MAINTENANCE SERVICES SHALL BEGIN UPON DATE OF PROJECT'S SUBSTANTIAL COMPLETION AS APPROVED BY THE OWNER.
2. CONTRACTOR SHALL PROVIDE OWNER A MAINTENANCE BOND EXTENDING TWELVE (12) MONTHS, BEGINNING UPON THE PROJECT'S DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY OWNER.
3. PRIOR TO THE OWNER APPROVED DATE OF SUBSTANTIAL COMPLETION, PROTECTION, SERVICE AND MAINTENANCE OF ALL NEW MECHANICAL COMPONENTS AND SYSTEMS, (INCLUDING ALL NEW BUILDING MANAGEMENT SYSTEM'S COMPONENTS AND SYSTEMS), SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. REFER TO TECHNICAL SPECIFICATION SECTION 230010 AND DIVISION 1 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

COORDINATION NOTE:
PRIOR TO CONSTRUCTION, MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE ELECTRONIC COORDINATION DRAWINGS FOR ALL TRADES, WHICH SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TO THE MECHANICAL CONTRACTOR ELECTRONIC COPIES OF ALL ELECTRICAL INSTALLATION WORK INCLUDING ALL LAYOUTS AND CUTS SHEETS FOR ALL EQUIPMENT, FIXTURES, DEVICES, CONDUITS, APPURTENANCES, ETC., FOR INCORPORATION INTO THE COORDINATION DRAWINGS. ANY CONFLICTS BETWEEN TRADES MUST BE RESOLVED PRIOR TO CONSTRUCTION. SEE DIVISION 23 & 26 TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SCOPE OF WORK INFORMATION

SCOPE OF WORK INFORMATION:

1. ALL WORK CONTAINED WITHIN THE DRAWINGS AND SPECIFICATIONS IS THE RESPONSIBILITY OF THE SINGLE PRIME CONTRACTOR, UNLESS OTHERWISE NOTED. REFER TO INDIVIDUAL DRAWING SHEETS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
2. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS OF THE PROJECT.
3. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC MECHANICAL REQUIRMENTS AND COORDINATION.
4. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC ARCHITECTURAL REQUIREMENTS AND COORDINATION.
5. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC ELECTRICAL REQUIREMENTS AND COORDINATION.
6. REFER TO PLUMBING AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS FOR SPECIFIC PLUMBING AND FIRE PROTECTION REQUIREMENTS AND COORDINATION.
7. REFER TO STRUCTURAL DRAWINGS A

VENTILATION SCHEDULE

ROOM NUMBER	ROOM NAME	BREATHING ZONE OA CALCULATION (Rp*Pz)+(Ra*Az) VBZ=					ZONE OA CALCULATION VOZ = VBZ / EZ		VENTILATION CALCULATION FOR OTHER AREAS		
		Az FLOOR AREA (SF)	Ra AREA OA RATE (CFM / SF)	Pz NO. OF PEOPLE (QTY)	Rp PEOPLE OA RATE (CFM / PERSON)	VBZ BREATHING ZONE OA (CFM)	EZ ZONE AIR DISTRIBUTION EFFECTIVENESS	VOZ ZONE OUTDOOR AIRFLOW (CFM)	NO. OF FIXTURES (QTY)	FIXTURE OA RATE (CFM / FIXTURE)	CALCULATED OUTDOOR/EXHAUST AIRFLOW (CFM)
1	VESTIBULE	153	0.06	0	0	9	0.8	11	-	-	-
S2	STAIR 2	204	-	-	-	-	-	-	-	-	-
E1	ELEVATOR 1	65	-	-	-	-	-	-	-	1 CFM/SQFT	65
101	VESTIBULE	160	0.06	0	0	10	0.8	12	-	-	-
102	TERMINAL LOBBY	453	0.06	10	7.5	102	0.8	128	-	-	-
104	MECHANICAL	256	0.12	0	0	31	0.8	38	-	-	-
105	ELECTRICAL/TELE	83	0.12	0	0	10	0.8	12	-	-	-
106	CONFERENCE	205	0.06	7	5	47	0.8	59	-	-	-
107	FLIGHT PLAN	79	0.06	3	5	20	0.8	25	-	-	-
108	VESTIBULE	60	0.06	0	0	4	0.8	5	-	-	-
103	PILOTS LOUNGE	472	0.06	6	5	58	0.8	73	-	-	-
109	AIR TRAFFIC CONTROL	174	0.06	1	5	15	0.8	19	-	-	-
110	AIRPORT DIRECTOR	174	0.06	1	5	15	0.8	19	-	-	-
111	AIRPORT ADMIN.	633	0.06	5	5	63	0.8	79	-	-	-
112	GOLF PRO SHOP	297	0.12	6	7.5	81	0.8	101	-	-	-
113	CORRIDOR	290	0.06	0	0	17	0.8	22	-	-	-
114	JANITORS CLOSET	20	-	-	-	-	-	-	1	25	25
115	WOMENS ROOM	169	-	-	-	-	-	-	2	70	140
116	MENS ROOM	167	-	-	-	-	-	-	2	70	140
119	FIRE PUMP	88	-	-	-	-	-	-	-	-	-
S1	STAIR 1	204	-	-	-	-	-	-	-	-	-
S2	STAIR 2	250	-	-	-	-	-	-	-	-	-
E1	ELEVATOR 1	68	-	-	-	-	-	-	-	SEE ABOVE	-
201	LOBBY/WAITING	475	0.06	4	7.5	59	0.8	73	-	-	-
202	KITCHEN	812	0.12	6	7.5	142	0.8	178	-	-	-
203	DINING ROOM	2067	0.18	120	7.5	1272	0.8	1590	-	-	-
204	WAIT STATION	54	0.18	1	7.5	17	0.8	22	-	-	-
205	EMPLOYEE TOILET ROOM	64	-	-	-	-	-	-	1	70	70
206	MENS TOILET ROOM	226	-	-	-	-	-	-	3	70	210
207	WOMENS TOILET ROOM	213	-	-	-	-	-	-	3	70	210
208	JANITORS CLOSET	11	-	-	-	-	-	-	1	25	25
S1	STAIR 1	250	-	-	-	-	-	-	-	-	-
S2	STAIR 2	204	-	-	-	-	-	-	-	-	-
E1	ELEVATOR 1	65	-	-	-	-	-	-	-	SEE ABOVE	-

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL SCHEDULES

Scale
Drawn by CEG
Date 08.28.26

M0.01

Comission no. 25023O

8/28/2026 11:14:14 AM

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AIR SOURCE HEAT PUMP

AHU -

SYMBOL	LOCATION	SERVICE	CONDENSING UNIT	TYPE	INDOOR FAN		COOLING							HEATING					ELECTRICAL			OPER WEIGHT (LBS)	BASIS OF DESIGN	
					AIRFLOW RATE (H/M/L) CFM	ESP (IN WC)	MIN NET CAP (MBH)		EAT (°F)		LAT (°F)		OAT	SEER 2	MBH	EAT (°F)	LAT (°F)	OAT	COP	V/PH/HZ	MCA	MOCP		MANUFACTURER	MODEL NUMBER
							RATED	SENS	DB	WB	DB	WB													
AHU-1	ATTIC	ELEVATOR...	CU-1	DUCTED	401/338/279	0.6	9	6.9	80	67	53	53	95	16	12.8	70	60	47	3	208-230/1/60	-	-	72	DIAKIN	FDMA09AVJU9
AHU-2	STAIR S-2	STAIR S-2	CU-2	WALL	381/272/230	-	9	8.2	80	67	-	-	95	21	16	70	60	47	-	208-230/1/60	-	-	19	DIAKIN	FTXF09BVJU9
AHU-3	STAIR S-2	STAIR S-2	CU-3	WALL	381/272/230	-	9	8.2	80	67	-	-	95	21	16	70	60	47	-	208-230/1/60	-	-	19	DIAKIN	FTXF09BVJU9

NOTES:
1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE INTEGRAL CONDENSATE PUMP.
3. PROVIDE THERMOSTAT.
4. PROVIDE WALL MOUNTING COMPONENTS AS REQUIRED FOR AHU-2, AND AHU-3.
5. INDOOR UNITS POWER FROM OUTDOOR UNIT - COORDINATE WITH IOM.

AIR COOLED CONDENSING UNIT SCHEDULE

CU -

SYMBOL	LOCATION	SERVICE	REFRIG TYPE	NOM CAP (MBH)	OA AMB TEMP (°F)	COMPRESSOR		FANS		ELECTRICAL			OPER WEIGHT (LBS)	BASIS OF DESIGN	
						QTY	TYPE	QTY	HP	V/PH/HZ	MCA	MOCP		MANUFACTURER	MODEL NUMBER
CU-1	NORTH EXTERIOR WALL	ELEVATOR	R-32	12	95	1	INVERTER	1	1/4	230/1/60	11.6A	15A	72	DAIKIN	RXP09AVJU9
CU-2	NORTH EXTERIOR WALL	STAIR S-2	R-32	9	95	1	INVERTER	1	-	230/1/60	11.6A	15A	63	DAIKIN	RXF09BUJU9
CU-3	NORTH EXTERIOR WALL	STAIR S-2	R-32	9	95	1	INVERTER	1	-	230/1/60	11.6A	15A	63	DAIKIN	RXF09BUJU9

NOTES:
1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE WITH LOW AMBIENT TEMPERATURE CONTROL KIT & UNIT MOUNTED NEMA RATED DISCONNECT SWITCH.
3. PROVIDE WITH MANUFACTURER'S RECOMMENDED HANGING BRACKETS.
4. PROVIDE WITH SEA COAST COATING PACKAGE.

CEILING UNIT HEATER SCHEDULE

CUH -

SYMBOL	LOCATION	TYPE	FAN	ELECTRIC COIL			WEIGHT	BASIS OF DESIGN	
			CFM	KW	V/PH/HZ	AMPS		MANUFACTURER	MODEL NUMBER
CUH-1	VESTIBULE 001	CEILING/RECESSED	500	4	208/3/60	20	120	BERKO	CUH935
CUH-2	JAN. CLO. 114	CEILING/RECESSED	65	1	120/1/60	8.3	10	QMARK	QCH1101F
CUH-3	EXIT STAIR S1	CEILING/SURFACE	500	2	208/3/60	10	120	BERKO	CUH935

NOTES:
1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE CEILING TRIM KITS, COORDINATE W/ ARCHITECTURAL DRAWINGS AND CEILING TYPE PRIOR TO PURCHASE.
3. PROVIDE DISCONNECT SWITCH.
4. PROVIDE PERMENANT WASHABLE ALUMINUM FILTERS FOR HEATERS -1, AND -3.
5. PROVIDE INTEGRAL 2-STAGE THERMOSTAT FOR HEATER -1, AND -3.
6. PROVIDE WALL MOUNT THERMOSTAT FOR HEATER -2.

ELECTRIC PLENUM HEATER SCHEDULE

EPH -

SYMBOL	LOCATION	SERVICE	CFM RANGE	ELECTRICAL				WEIGHT	BASIS OF DESIGN	
				KW	STAGES	V/PH/HZ	FLA		MANUFACTURER	MODEL NUMBER
EPH-1	CRAWL SPACE ATTIC	CRAWL SPACE ATTIC	170-950	5	1	208/3/60	15	163	INDEECO	P963U1N05N-DU6L4
EPH-2	CRAWL SPACE ATTIC	CRAWL SPACE ATTIC	170-950	5	1	208/3/60	15	163	INDEECO	P963U1N05N-DU6L4

NOTES:
1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE REMOTE THERMOSTAT.
3. PROVIDE UNIT WITH SAFETY THERMAL CUTOUTS BUILT INTO THE UNIT TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLE MATERIALS.
4. FIELD CONFIRM LEFT/RIGHT HAND CONNECTION PRIOR TO PURCHASE.

ELECTRIC UNIT HEATER SCHEDULE

EUH -

SYMBOL	LOCATION	TYPE	CFM	ELECTRIC COIL				WEIGHT	BASIS OF DESIGN	
				KW	NO. OF STEPS	V/PH/HZ	FLA		MANUFACTURER	MODEL NUMBER
EUH-1	FIRE PUMP 119	HORIZONTAL	350	3	1	208/1/60	14.5A	27	QMARK	HUHAA320

NOTES:
1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE INTEGRAL THERMOSTAT.
3. PROVIDE MOUNTING KIT AS REQUIRED.

LOUVER SCHEDULE

LV -

SYMBOL	SERVICE	NOMINAL SIZE (W IN x H IN)	CFM	MIN FREE AREA (PERCENT)	(MAX) VEL (FPM)	BASIS OF DESIGN	
						MANUFACTURER	MODEL NUMBER
LV-1	DISCHARGE	12x12	425	49	950	RUSKIN	ELF375DXD
LV-2	DISCHARGE	12x12	100	49	750	RUSKIN	ELF375DXD
LV-3	INTAKE	12x12	100	49	500	RUSKIN	ELF375DXD

NOTES:
1. CONFIRM WALL DEPTH/CONSTRUCTION PRIOR TO BID WITH ARCHITECTUAL PLANS.
2. PROVIDE HURRICANE CONSTRUTION W/ STAINLEES STEEL BIRD SCREEN.

EXHAUST FAN SCHEDULE

EF -

SYMBOL	SERVICE	LOCATION	MOUNTING	CFM	ESP	FAN RPM	MOTOR HP	ELECTRICAL	WEIGHT	BASIS OF DESIGN	
								V/PH/HZ		MANUFACTURER	MODEL NUMBER
EF-1	1ST FLOOR TOILET ROOMS	CRAWL SPACE	INLINE - HORIZONTAL	425	0.375	1248	1/6	115/1/60	78	COOK	100SQN12D
EF-2	FIRE SUPRESSION ROOM	FIRE SUPRESSION ROOM	PROP - HORIZONTAL	500	0.25	1196	1/6	115/1/60	78	COOK	100SQN12D
EF-3	2ND FLOOR TOILET ROOMS	ATTIC	INLINE - HORIZONTAL	825	0.375	935	1/6	115/1/60	179	COOK	135SQN10D
EF-4	ATTIC VENT	ATTIC	INLINE - HORIZONTAL	600	0.25	1311	1/6	115/1/60	78	COOK	100SQN15D

NOTES:
1. PROVIDE FAN SPEED CONTROLLER FOR BALANCING FOR EACH FAN.
2. PROVIDE VIBRATION ISOLATION KITS FOR EACH INLINE HORIZONTAL FANS.
3. PROVIDE CONTROLS FOR EACH. COORDINATE WITH SEQUENCES.
4. PROVIDE T-STAT FOR EF-2.
5. PROVIDE COMBINATION T-STAT/HUMIDISTAT FOR EF-4.
6. PROVIDE INSULATED HOUSINGS.
7. PROVIDE LORENIZED FAN FINISH.
8. PROVIDE NEAM 1 DISCONNECT SWITCHES T-STAT/HUMIDISTAT FOR EF-4.
9. PROVIDE MOTROIZED OPERATED DAMPER, POWERED BY FAN POWER.

GRILLES REGISTERS AND DIFFUSERS SCHEDULE

SYMBOL	CFM RANGE	TYPE	FACE/ SLOTS/ SPACING	CONN. SIZE (Ø)	MAX S.P. (IN. W.G.)	MAX NC	BASIS OF DESIGN MANU/MODEL
CD	0-100	SUPPLY	24x24	6"	0.04	15	TITUS OMNI-AA
CD	101-210	SUPPLY	24x24	8"	0.04	15	TITUS OMNI-AA
CD	211-320	SUPPLY	24x24	10"	0.04	15	TITUS OMNI-AA
CD	321-450	SUPPLY	24x24	12"	0.04	15	TITUS OMNI-AA
LD (3')	125-250	LINEAR - SUPPLY	36" (2) 1.5" SLOTS	8"	0.07	15	TITUS FL-10
LD (4')	125-250	LINEAR - SUPPLY	48" (2) 1.5" SLOTS	8"	0.07	15	TITUS FL-10
SR-1	50	SUPPLY	8x8	-	0.10	20	TITUS 301 FS
SR-2	350	SUPPLY	-	-	0.10	20	TITUS 301 FS
RG	0-350	RETURN	24x24	10x10	0.10	20	TITUS 350FL
RG	351-800	RETURN	24x24	16x16	0.10	20	TITUS 350FL
LR-1	600	RETURN	60" (2) 1.5" SLOTS	-	0.10	25	TITUS FL-10
LR-2	600	RETURN	72" (2) 1.5" SLOTS	-	0.10	25	TITUS FL-10
LR-3	600	RETURN	48" (2) 1.5" SLOTS	-	0.10	25	TITUS FL-10
EG	300-400	EXHAUST	24x24	12x12	0.10	20	TITUS 350FL
ER-1	25	EXHAUST	8x8	-	0.10	25	TITUS 350FL
ER-2	50	EXHAUST	12x12	-	0.10	25	TITUS 350FL

NOTES:
1. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION. PROVIDE APPROPRIATE FRAME STYLE FOR CEILING AND/OR WALL MOUNTING.
2. PROVIDE MANUFACTURER'S CEILING MODULE ADAPTER (24x24) FOR LAY-IN CEILING APPLICATION AS REQUIRED.
3. PROVIDE WITH MANUFACTURER EXTRACTOR AT 45 DEGREE ANGLE.
4. COORDINATE LENGTH OF LINEAR DIFFUSERS WITH PLAN VIEW AND WITH ARCHITECTURAL DRAWINGS.
5. COLOR BY ARCHITECT.
6. FIELD CONFIRM DIMENSIONS PRIOR TO PURCHASE.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL SCHEDULES

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Drawn by CEG
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ROOFTOP UNIT SCHEDULE

RTU -

SYMBOL	LOCATION	SERVICE	TOTAL CFM	DESIGN MIN OA CFM	ESP (IN WC)	MAX FAN RPM	FAN HP	RETURN (OR RELIEF OR EXHAUST) FAN			FILTERS		DIRECT EXPANSION (DX) COIL						CONDENSER FAN			COMPRESSOR		INDIRECT GAS-FIRED HEATING					ELECTRICAL			OPER WEIGHT (LBS)	BASIS OF DESIGN	
								CFM	ESP	MOTOR HP	TYPE	EFF %	REFRIG TYPE	REQ'D MIN NET CAP (MBH)		EAT (°F)		LAT (°F)		QTY	FLA	IEER	QTY	HP	INPUT (MBH)	OUTPUT (MBH)	LAT (DEG F)	TURNDOWN RATIO	GAS PRESS REQ'D (PSI)	V/PH/HZ	MCA	MOCP		MANUFACTURER	MODEL NUMBER
														TOTAL	SENS	DB	WB	DB	WB															
RTU-1	ROOF	1ST FLOOR	4,800	592	1.5	1,362	4.6	4,800	0.5	4.3	THROW-AWAY	MERV 8	R-32	145.3	121.2	77.1	63.8	53.6	53.0	2	7.6A	18.4	1	12.67	200	162	93	10:1	0.18-0.5	208/3/60	93.1A	125A	2,416	DAIKIN	DPSC12B
RTU-2	ROOF	2ND FLOOR	7,000	1863	1.5	1,400	7.5	7,000	0.5	4.6	THROW-AWAY	MERV 8	R-32	220.8	179.3	79.5	65.7	55.6	54.9	2	6.4A	19.4	1	21.96	450	364.5	99	12:1	0.18-0.5	208/3/60	114A	150A	4,238	DAIKIN	DPSC18B

NOTES:

1. PROVIDE SEA COAST COATING PACKAGE.
2. PROVIDE ECONOMIZER W/ COMPARATIVE ENTHALPY CONTROL.
3. PROVIDE VARIABLE AIR VOLUME - MULTI-STAGE COMPRESSORS.
4. PROVIDE PROGRAMMABLE THERMOSTAT AND 24" ROOF CURB.
5. AS REQUIRED PROVIDE HURRICANE TIE DOWNS AS REQUIRED.
6. PROVIDE DUCT MOUNTED STATIC PRESSURE SENSOR (FIELD MOUNT).
7. PROVIDE SUPPLY AND RETURN SMOKE DETECTORS.
8. TIE INTO DUCT MOUNTED CARBON MONOXIDIZATION DETECTORS FOR SHUT DOWN UPON SENSING CO.
9. FOR RTU-1 PROVIDE SEQUENCE/CONTROLS FOR DEHUMIDIFACATION AT VAV/REHEAT COILS.
10. FOR RTU-2 PROVIDE HOT GAS REHEAT COIL (CAPACITY = 114,619 BTU/HR).
11. PROVIDE DISCONNECT SWITCH AND GFI RECEPTACLE.
12. PROVIDE SCCR=65 kAIC (CONFIRM WITH ELECTRICAL DWGS PRIOR TO PURCHASE).

VARIABLE AIR VOLUME (VAV) TERMINAL UNIT SCHEDULE

VAV -

SYMBOL	UNIT / SERVICE LOCATION	BOX SIZE (IN.)	INLET SIZE (IN.)	CFM		TYPE	MIN SP (IN WC)	ELECTRIC COIL						WEIGHT	BASIS OF DESIGN	
				MAX/COOL	MIN/HEAT			MIN NET CAP (MBH)	KW	MCA/MOP	VOLT/PH/HZ	EAT (-F)	MIN. LAT (-F)		MANUFACTURER	MODEL
VAV-1	RTU-1 / 1ST FLR	10	12x8	1000	500	SINGLE DUCT	0.8	16000	4.7	28.3/30	208/1/60	55	85	60	PRICE	SDVLP
VAV-2	RTU-1 / 1ST FLR	10	12x8	800	500	SINGLE DUCT	0.8	21400	6.3	37.9/40	208/1/60	55	95	60	PRICE	SDVLP
VAV-3	RTU-1 / 1ST FLR	8	8"Ø	550	400	SINGLE DUCT	0.8	17300	5.1	30.7/35	208/1/60	55	95	60	PRICE	SDV
VAV-4	RTU-1 / 1ST FLR	8	8"Ø	450	275	SINGLE DUCT	0.8	11900	3.5	21/25	208/1/60	55	95	60	PRICE	SDV
VAV-5	RTU-1 / 1ST FLR	10	12x8	800	500	SINGLE DUCT	0.8	21400	6.3	37.9/40	208/1/60	55	95	60	PRICE	SDVLP
VAV-6	RTU-1 / 1ST FLR	8	8"Ø	800	500	SINGLE DUCT	0.8	21400	6.3	37.9/40	208/1/60	55	95	60	PRICE	SDV
VAV-7	RTU-1 / 1ST FLR	6	6"Ø	350	175	SINGLE DUCT	0.8	5700	1.7	10.2/25	208/1/60	55	85	60	PRICE	SDV
VAV-8	RTU-1 / 1ST FLR	6	6"Ø	400	250	SINGLE DUCT	0.8	10900	3.2	19.2/20	208/1/60	55	95	60	PRICE	SDV
VAV-9	RTU-1 / 1ST FLR	6	6"Ø	300	200	SINGLE DUCT	0.8	8500	2.5	15/20	208/1/60	55	95	60	PRICE	SDV

NOTES:

1. REFER TO FLOOR PLANS FOR LOCATION, QUANTITY, AND CFM FOR BALANCING.
2. PROVIDE CONTROLS COMPATIBAL WITH RTU.
3. FIELD COORDINATE RIGHT/LEFT HAND ORIENTATION PRIOR TO PURCHASING.
4. PROVIDE DISCONNECT SWITCH.
5. PROVIDE NEMA CONTROL ENCLOSURE.
6. PROVIDE LOW PROFILE UNITS AND VERIFY ALL LOCATIONS PRIOR TO PURCHASE.
7. PROVIDE SCR CONTROL.

WALL UNIT HEATER SCHEDULE

WUH -

SYMBOL	LOCATION	DISCHARGE TYPE	CFM	ELECTRIC COIL				OPER WEIGHT (LBS)	BASIS OF DESIGN	
				KW	NO. STEPS	V/PH/HZ	FLA		MANUFACTURER	MODEL NUMBER
WUH-1	EXIT STAIR S-1	HORIZONTAL	100	3	2	208/1/60	14.4A	25	QMARK	AWH4404F
WUH-2	VESTIBULE 108	HORIZONTAL	100	1.8	1	120/1/60	15A	25	QMARK	AWH3180F

NOTES:

1. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
2. PROVIDE ALL SURFACES WALL MOUNTING BRACKETS.
3. PROVIDE INTEGRAL T-STAT.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

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Comission no. 25023O

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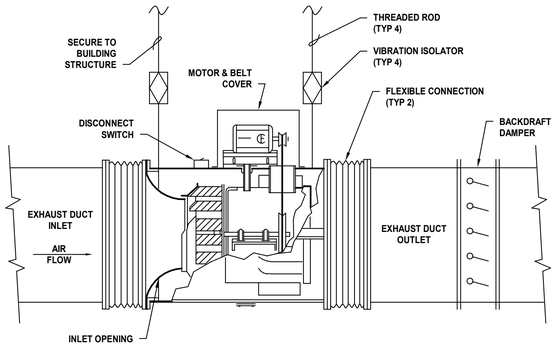

1 INLINE EXHAUST FAN
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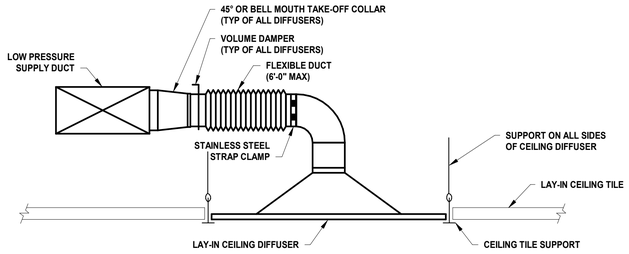

2 FLEXIBLE BRANCH DUCT DETAIL
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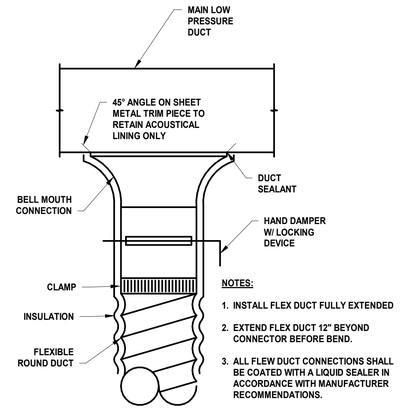
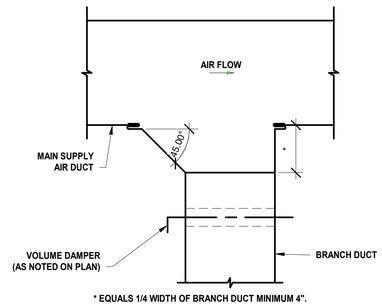


3 ROUND DUCT TAKE-OFF DETAIL
M0.04 SCALE: N.T.S.



4 RECTANGULAR DUCT TAKE-OFF
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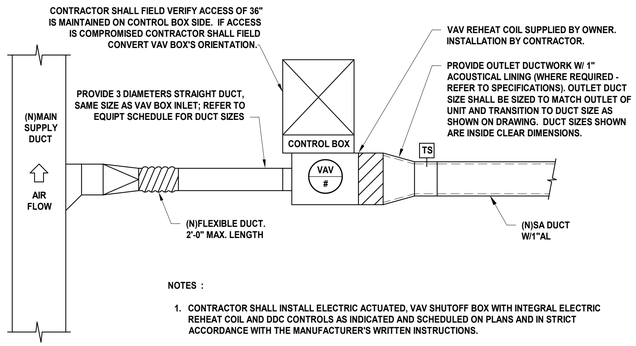
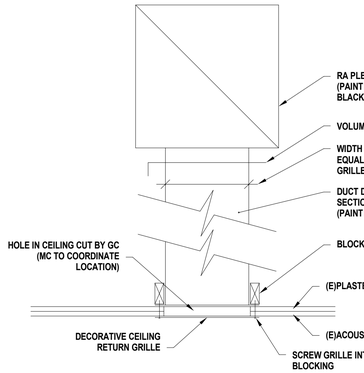


NOTES :

1. CONTRACTOR SHALL INSTALL ELECTRIC ACTUATED, VAV SHUTOFF BOX WITH INTEGRAL ELECTRIC REHEAT COIL AND DDC CONTROLS AS INDICATED AND SCHEDULED ON PLANS AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. CONTRACTOR SHALL CONNECT VAV BOX TO DUCTWORK AS INDICATED ON THE DETAIL AND THE PLANS. VAV BOX INLET AND OUTLET DUCT SIZES ARE INDICATED ON THE EQUIPMENT SCHEDULES AND ARE INSIDE CLEAR DIMENSIONS. CONTRACTOR SHALL PROVIDE THE REQUIRED DUCTWORK TO MEET THE MANUFACTURER'S REQUIRED INLET AND OUTLET RESTRICTIONS. FLEXIBLE DUCTWORK UTILIZED FOR INLET AIR TO THE VAV BOXES SHALL BE INSTALLED STRAIGHT AND WITHOUT KINKS.
3. CONTRACTOR SHALL ENSURE ALL MAINTENANCE ACCESS REQUIREMENTS ARE MET FOR THE INSTALLATION OF THE VAV BOXES.
4. CONTRACTOR SHALL INSULATE ALL INLET AIR DUCTWORK TO THE VAV BOXES PER SPECIFICATIONS.

5 SINGLE DUCT VAV WITH ELECTRIC REHEAT COIL
M0.04 SCALE: N.T.S.



6 CEILING RETURN GRILLE
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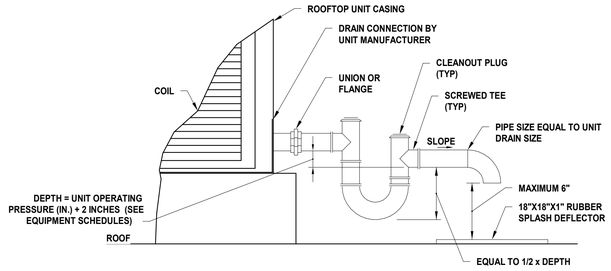
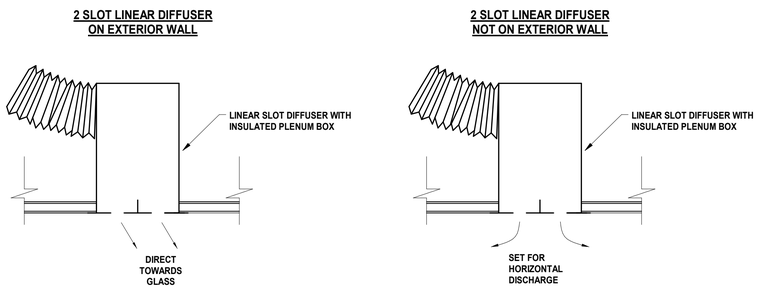


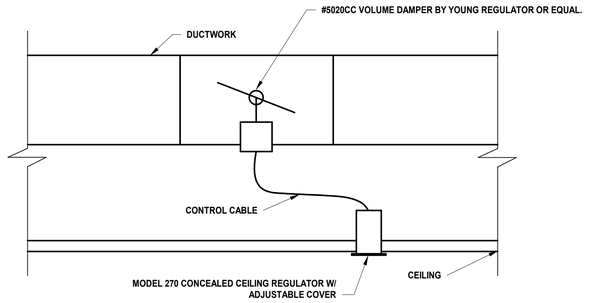
NOTES:

1. APPLIES TO ALL ROOFTOP EQUIPMENT WITH DRAIN CONNECTIONS FOR COOLING COIL CONDENSATE OR OTHERWISE.

7 CONDENSATE DRAIN PIPE DETAIL ROOF MOUNTED UNIT
M0.04 SCALE: N.T.S.



8 LINEAR DIFFUSER DETAIL
M0.04 SCALE: N.T.S.



9 REMOTE VOLUME DAMPER DETAIL
M0.04 SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
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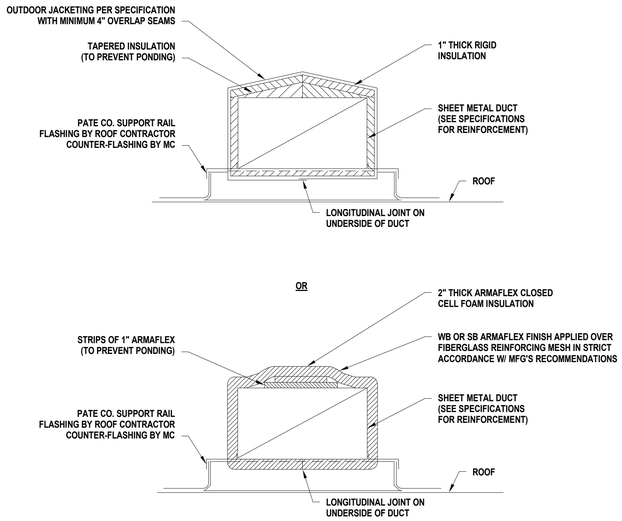
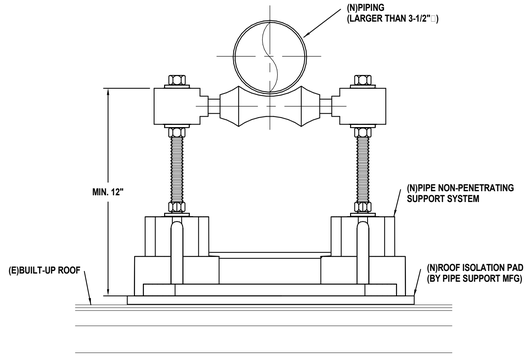


NOTES :

1. ALL DUCTWORK SHALL BE LINED WITH 1" ACOUSTICAL LINING.
2. REFER TO SPECIFICATIONS FOR OUTDOOR INSULATION TYPE.

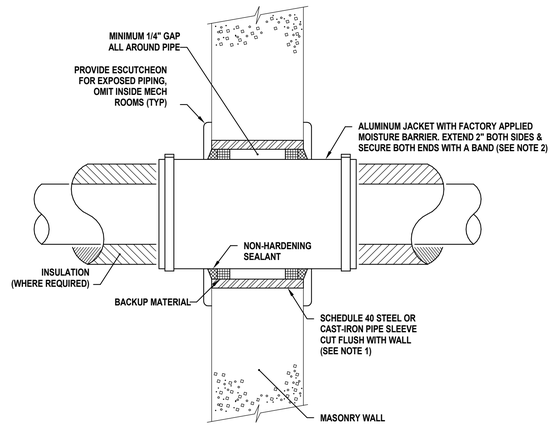
1 ROOFTOP DUCTWORK WATERPROOFING
M0.05 SCALE: N.T.S.



NOTES:

1. PROVIDE PEDESTAL MOUNTED SUPPORT SYSTEM WITH ROOF ISOLATION PAD WHERE INDICATED ON PLAN.
2. SUPPORT SYSTEM SHALL BE NON-PENETRATING TYPE. SPACING SHALL BE AS INDICATED ON PLAN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. UNIT BASE SHALL BE CONSTRUCTED OF HIGH DENSITY IMPACT POLYPROPYLENE WITH UV PROTECTION.
4. ROLLER HANGER SHALL BE IN ACCORDANCE WITH MSS STANDARDS AND INCLUDE PIPE GUIDE CLAMP ACCESSORY.
5. ALL STEEL PARTS AND HARDWARE (NUT AND WASHERS) SHALL BE HOT DIP GALVANIZED CARBON STEEL.
6. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. PROVIDE PHP SYSTEM/DESIGN; RB-18, MIRO; RAH-12, EBERL IRON WORKS; RTSPUCESR (ELEVATED) OR APPROVED EQUAL.

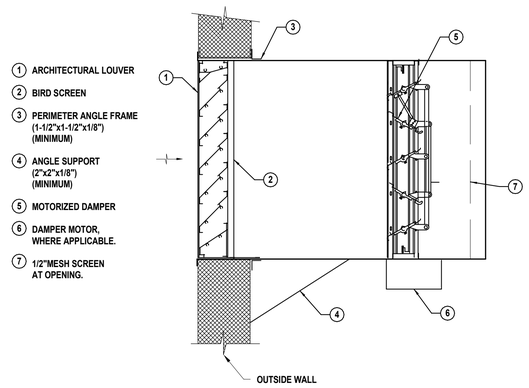
2 PIPE SUPPORT ON ROOF
M0.05 SCALE: N.T.S.



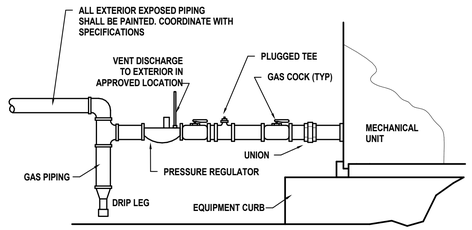
NOTES :

1. FOR GYP. BOARD WALLS PROVIDE MIN. 16 GAUGE GALV. STEEL SLEEVE W/ LOCK-TYPE LONGITUDINAL SEAM.
2. OMIT ALUMINUM JACKET IF PIPING IS UNINSULATED.
3. ALL EXTERIOR PIPING AND PENETRATIONS SHALL BE PAINTED WITH ONE COAT OF PRIMER SUITABLE FOR THE PAINTED SURFACE AND TWO COATS OF EXTERIOR GRADE PAINT W/ COLOR SELECTED BY OWNER

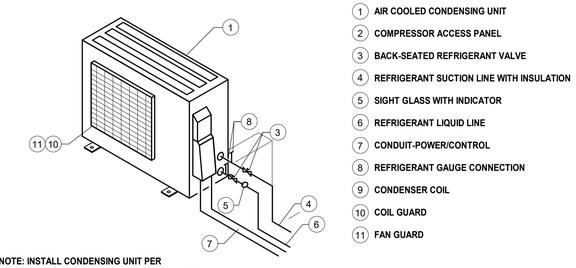
3 WALL PENETRATION DETAIL
M0.05 SCALE: N.T.S.



4 LOUVER AND PLENUM CONNECTION DETAIL
M0.05 SCALE: N.T.S.



5 GAS PIPING CONNECTION DETAIL
M0.05 SCALE: N.T.S.



NOTE: INSTALL CONDENSING UNIT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

6 CONDENSING UNIT DETAIL
M0.05 SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL DETAILS

Scale	N.T.S.
Drawn by	CEG
Date	08.28.26

M0.05

Comission no. 25023O

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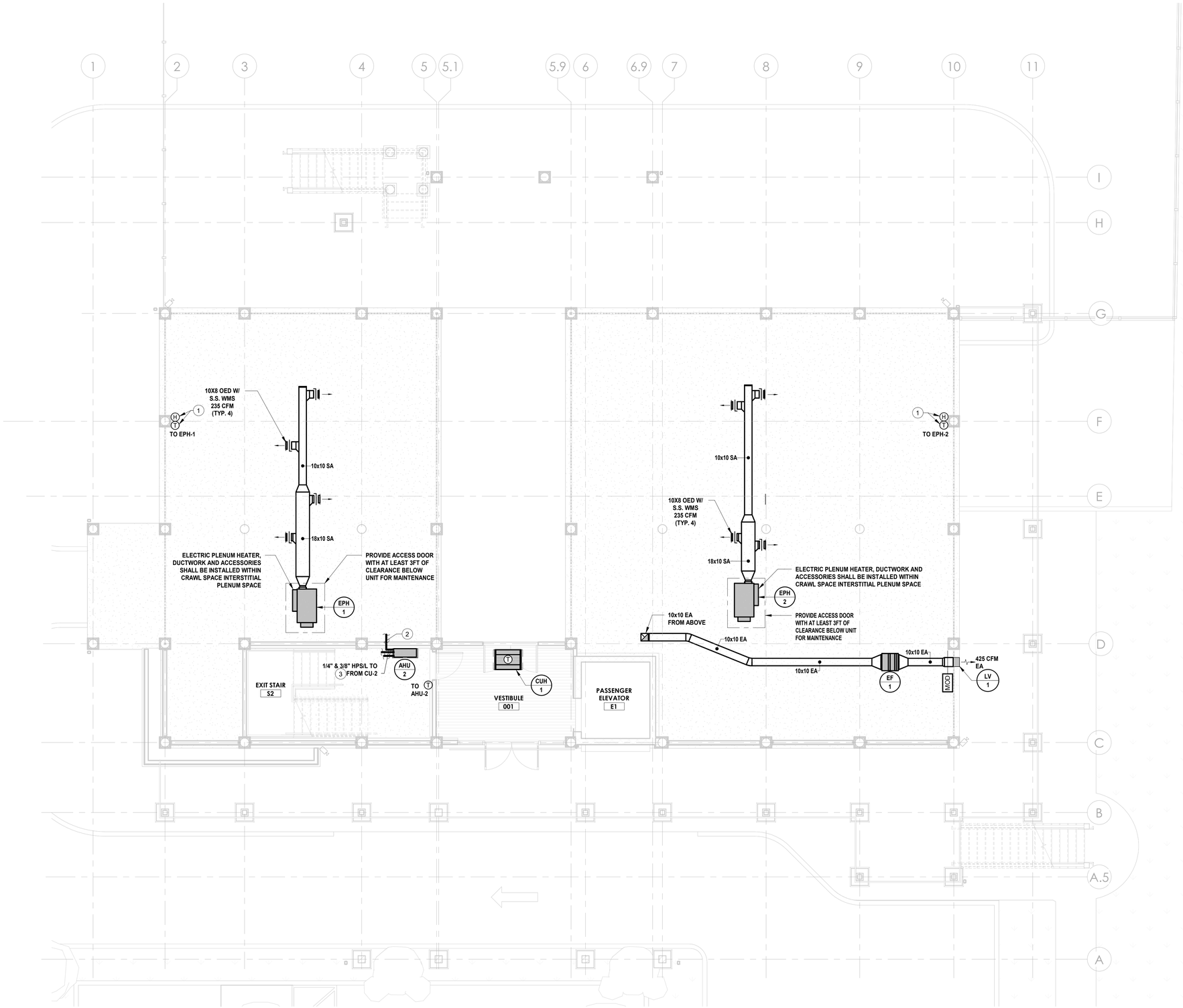

1 M1.11 MECHANICAL CRAWL SPACE PLAN

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

0' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

N

MECHANICAL SYSTEM NOTES:

1. GENERAL NOTES:

A. REFER TO MECHANICAL LEAD SHEET, M0.00 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT.

C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS REQUIRED BY THE MANUFACTURER'S WRITTEN INSTRUCTIONS. MANUFACTURER'S LISTING SHALL GOVERN OVER CODE MINIMUMS WHERE THE LISTING IS MORE RESTRICTIVE.

E. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON THE PLANS AND SCHEDULED IN THE EQUIPMENT SCHEDULES. WHERE EQUIPMENT IS SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL FIELD VERIFY ROUTES/CONNECTIONS INCLUDING ALL VALVES, TRAPS, DRAINS, AND APPURTENANCES PER PROJECT DETAILS AND SPECIFICATIONS.

F. FULL-SIZE ACCESS DOORS SHALL BE PROVIDED AT ALL CONCEALED MECHANICAL EQUIPMENT REQUIRING MAINTENANCE OR INSPECTION. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECTURAL DRAWINGS AND CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

G. ACCESS DOORS SHALL BE PROVIDED AT ALL EQUIPMENT, DAMPERS, CONDENSATE TRAPS, COIL CONNECTIONS, AND CONTROL DEVICES ABOVE INACCESSIBLE CEILINGS. ACCESS DOOR SIZE SHALL BE ADEQUATE FOR MAINTENANCE OF THE DEVICE SERVED. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

H. ALL MECHANICAL EQUIPMENT & APPURTENANCES SHALL BE INSTALLED AT A HEIGHT ABOVE BFE +2 ELEVATION. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS.

2. DUCTWORK SYSTEM NOTES:

A. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCTWORK AS INDICATED ON THE PLANS AND PER SMACNA HVAC DUCT CONSTRUCTIONS STANDARDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO MECHANICAL SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS.

2. KEYED NOTES:

GENERAL: KEYED NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (-) AND ARE NUMBERED AS FOLLOWS:

(1) T-STAT AND HUMIDITY SENSOR SHALL BE LOCATED AS SHOWN AND WITHIN THE INTERSTITIAL PLENUM SPACE.

(2) 3/4" CONDENSATE DRAIN TO SPILL TO GRADE. COORDINATE WITH PLUMBING CONTRACTOR, ARCHITECT, & OWNER.

(3) CONTRACTOR SHALL COORDINATE FINAL ROUTING AND SIZE OF ALL REFRIGERANT PIPING WITH MANUFACTURER, ARCHITECT & ENGINEER. MAINTAIN ALL REQUIREMENTS FOR MAXIMUM LENGTHS (HORIZONTAL AND VERTICAL) AND LINE SIZES. CONTRACTOR SHALL INSTALL ALL REFRIGERANT PIPING IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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John A. Marchiafava
Professional Engineer
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CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL CRAWL SPACE PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

M1.11

Comission no. 25023O

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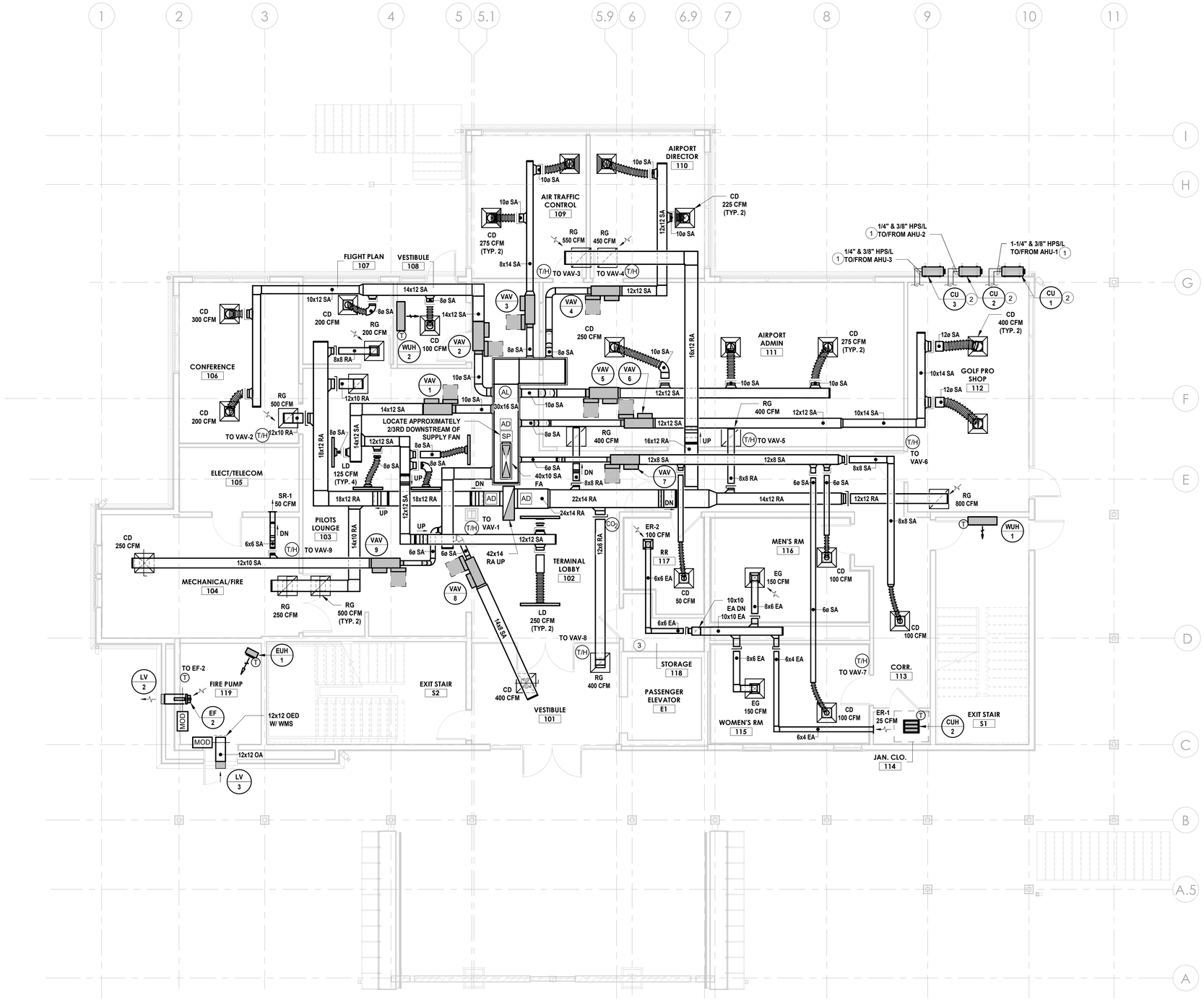

1 M1.12 MECHANICAL SECOND FLOOR PLAN

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

0' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

N

MECHANICAL SYSTEM NOTES:

1. GENERAL NOTES:

A. REFER TO MECHANICAL LEAD SHEET, M0.00 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT.

C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS REQUIRED BY THE MANUFACTURER'S WRITTEN INSTRUCTIONS. MANUFACTURER'S LISTING SHALL GOVERN OVER CODE MINIMUMS WHERE THE LISTING IS MORE RESTRICTIVE.

E. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON THE PLANS AND SCHEDULED IN THE EQUIPMENT SCHEDULES. WHERE EQUIPMENT IS SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL FIELD VERIFY ROUTES/CONNECTIONS INCLUDING ALL VALVES, TRAPS, DRAINS, AND APPURTENANCES PER PROJECT DETAILS AND SPECIFICATIONS.

F. FULL-SIZE ACCESS DOORS SHALL BE PROVIDED AT ALL CONCEALED MECHANICAL EQUIPMENT REQUIRING MAINTENANCE OR INSPECTION. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECTURAL DRAWINGS AND CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

G. ACCESS DOORS SHALL BE PROVIDED AT ALL EQUIPMENT, DAMPERS, CONDENSATE TRAPS, COIL CONNECTIONS, AND CONTROL DEVICES ABOVE INACCESSIBLE CEILINGS. ACCESS DOOR SIZE SHALL BE ADEQUATE FOR MAINTENANCE OF THE DEVICE SERVED. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. DUCTWORK SYSTEM NOTES:

A. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCTWORK AS INDICATED ON THE PLANS AND PER SMACNA HVAC DUCT CONSTRUCTIONS STANDARDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO MECHANICAL SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS.

D. FLEXIBLE DUCTWORK SHALL BE INSTALLED FULLY EXTENDED WITH NO SAGS OR BENDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

E. PROVIDE A MINIMUM 20 FT OF ACOUSTICAL LINING FROM THE SUPPLY AND RETURN CONNECTIONS TO RTU-1 AND RTU-2. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. KEYED NOTES:

GENERAL: KEYED NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (-) AND ARE NUMBERED AS FOLLOWS:

(1) CONTRACTOR SHALL COORDINATE FINAL ROUTING AND SIZE OF ALL REFRIGERANT PIPING WITH MANUFACTURER, ARCHITECT & ENGINEER. MAINTAIN ALL REQUIREMENTS FOR MAXIMUM LENGTHS (HORIZONTAL AND VERTICAL) AND LINE SIZES. CONTRACTOR SHALL INSTALL ALL REFRIGERANT PIPING IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

(2) CONTRACTOR SHALL PROVIDE THE NECESSARY WALL MOUNTING BRACKETS PER THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS. FURNISH AND INSTALL IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, MANUFACTURER REQUIREMENTS, AND MECHANICAL SPECIFICATIONS. COORDINATE FINAL LOCATION & MOUNTING HEIGHT WITH ARCHITECT, ENGINEER, & OWNER.

(3) PROVIDE WALL MOUNT 24/7/365 TIMECLOCK. FINAL LOCATION TO BE COORDINATED WITH ARCHITECT/OWNER.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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John A. Marchiafava
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CONSULTANT:
CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
CEG Project No: 8C25284.00

NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL FIRST FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

M1.12

Comission no. 25023O

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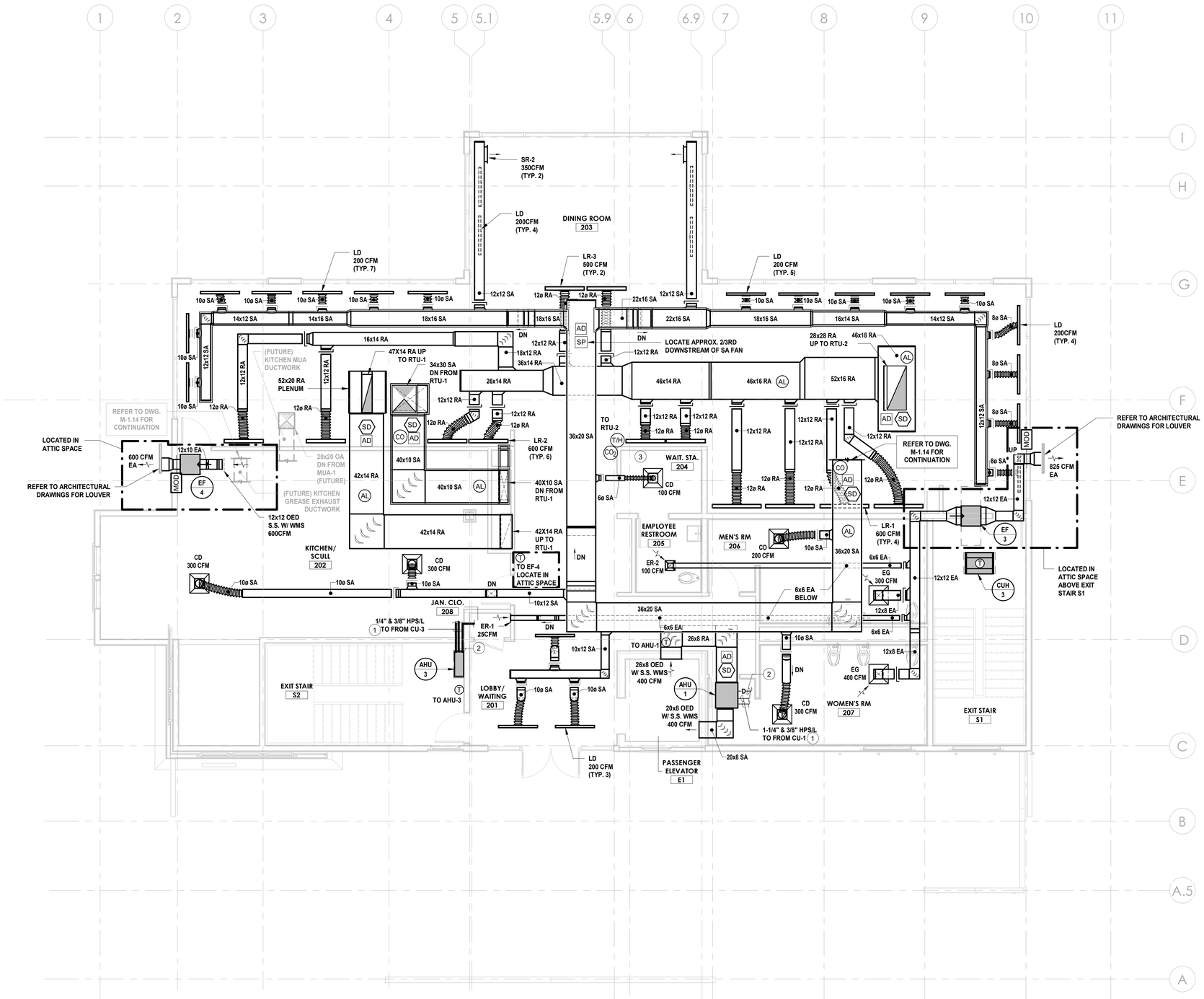

1 M1.13 MECHANICAL - 2ND FLOOR PLAN

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

0' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

N

MECHANICAL SYSTEM NOTES:

1. GENERAL NOTES:

   A. REFER TO MECHANICAL LEAD SHEET, M0.00 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

   B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT.

   C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

   D. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS REQUIRED BY THE MANUFACTURER'S WRITTEN INSTRUCTIONS. MANUFACTURER'S LISTING SHALL GOVERN OVER CODE MINIMUMS WHERE THE LISTING IS MORE RESTRICTIVE.

   E. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON THE PLANS AND SCHEDULED IN THE EQUIPMENT SCHEDULES. WHERE EQUIPMENT IS SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL FIELD VERIFY ROUTES/CONNECTIONS INCLUDING ALL VALVES, TRAPS, DRAINS, AND APPURTENANCES PER PROJECT DETAILS AND SPECIFICATIONS.

   F. FULL-SIZE ACCESS DOORS SHALL BE PROVIDED AT ALL CONCEALED MECHANICAL EQUIPMENT REQUIRING MAINTENANCE OR INSPECTION. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECTURAL DRAWINGS AND CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

   G. ACCESS DOORS SHALL BE PROVIDED AT ALL VAV BOXES, DAMPERS, CONDENSATE TRAPS, COIL CONNECTIONS, AND CONTROL DEVICES ABOVE INACCESSIBLE CEILINGS. ACCESS DOOR SIZE SHALL BE ADEQUATE FOR MAINTENANCE OF THE DEVICE SERVED. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. DUCTWORK SYSTEM NOTES:

   A. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCTWORK AS INDICATED ON THE PLANS AND PER SMACNA HVAC DUCT CONSTRUCTIONS STANDARDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

   B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

   C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO MECHANICAL SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS.

   D. FLEXIBLE DUCTWORK SHALL BE INSTALLED FULLY EXTENDED WITH NO SAGS OR BENDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

   E. PROVIDE A MINIMUM 20 FT OF ACOUSTICAL LINING FROM THE SUPPLY AND RETURN CONNECTIONS TO RTU-1 AND RTU-2. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. KEYED NOTES:

GENERAL: KEYED NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (-) AND ARE NUMBERED AS FOLLOWS:

(1) CONTRACTOR SHALL COORDINATE FINAL ROUTING AND SIZE OF ALL REFRIGERANT PIPING WITH MANUFACTURER, ARCHITECT & ENGINEER. MAINTAIN ALL REQUIREMENTS FOR MAXIMUM LENGTHS (HORIZONTAL AND VERTICAL) AND LINE SIZES. CONTRACTOR SHALL INSTALL ALL REFRIGERANT PIPING IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

(2) 3/4" CONDENSATE DRAINAGE PIPING TO TERMINATE AT MOP SINK IN JAN. CLO. 208.

(3) PROVIDE WALL MOUNT 24/7/365 TIMECLOCK. FINAL LOCATION TO BE COORDINATED WITH ARCHITECT/OWNER.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL
SECOND FLOOR
PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

M1.13

Comission no. 25023O

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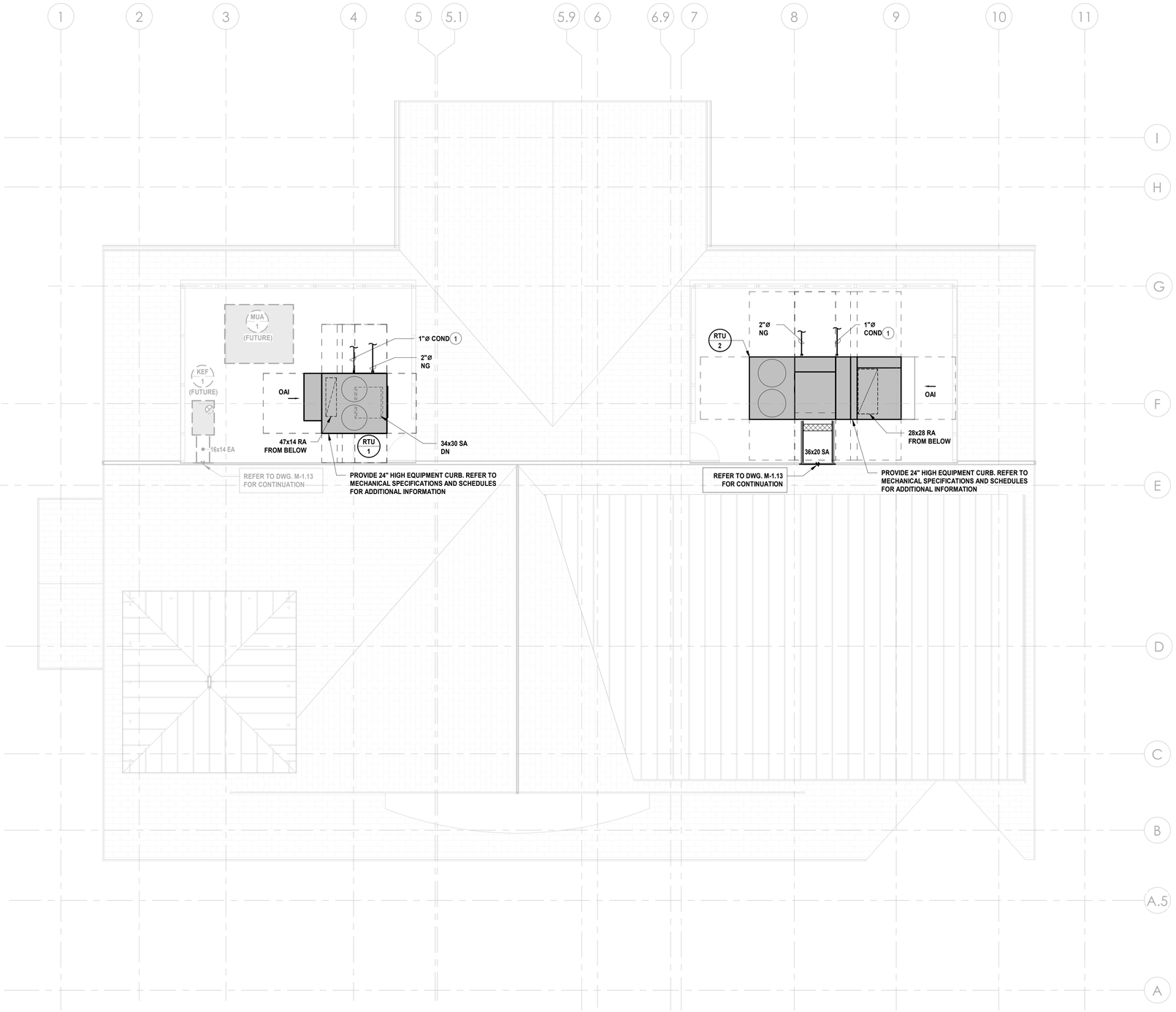

1 MECHANICAL ROOF PLAN
M1.14 SCALE: 3/16" = 1'-0"

N

0' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

MECHANICAL SYSTEM NOTES:

1. GENERAL NOTES:

A. REFER TO MECHANICAL LEAD SHEET, M0.00 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. REFER TO DETAIL DRAWINGS FOR MECHANICAL DETAILS PERTAINING TO THIS PROJECT.

C. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

D. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED A MINIMUM CODE REQUIRED DISTANCE AS PER THE 2022 NJ INTERNATIONAL MECHANICAL CODE, & ASHRAE 62.1.

E. PROVIDE A MINIMUM CLEARANCE OF 3FT AROUND ALL ROOFTOP EQUIPMENT.

F. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND APPURTENANCES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS REQUIRED BY THE MANUFACTURER'S WRITTEN INSTRUCTIONS. MANUFACTURER'S LISTING SHALL GOVERN OVER CODE MINIMUMS WHERE THE LISTING IS MORE RESTRICTIVE.

G. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT INDICATED ON THE PLANS AND SCHEDULED IN THE EQUIPMENT SCHEDULES. WHERE EQUIPMENT IS SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL FIELD VERIFY ROUTES/CONNECTIONS INCLUDING ALL VALVES, TRAPS, DRAINS, AND APPURTENANCES PER PROJECT DETAILS AND SPECIFICATIONS.

2. DUCTWORK SYSTEM NOTES:

A. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCTWORK AS INDICATED ON THE PLANS AND PER SMACNA HVAC DUCT CONSTRUCTIONS STANDARDS. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. CONTRACTOR SHALL COORDINATE ALL FRAME TYPES FOR AIR DEVICES WITH CEILING TYPES AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

C. ALL DUCTWORK DIMENSIONS INDICATED ON PLAN ARE INSIDE CLEAR. REFER TO MECHANICAL SPECIFICATIONS FOR ACOUSTICAL LINING AND INSULATION REQUIREMENTS.

D. PROVIDE AIR TIGHT WEATHER TIGHT CONSTRUCTION IN ACCORDANCE WITH THE MECHANICAL SPECIFICATIONS, ASHRAE 62.1, AND SMACNA DUCT CONSTRUCTION STANDARDS.

3. ROOFTOP EQUIPMENT NOTES:

A. INSTALL ROOFTOP UNIT. PROVIDE ALL CONTROLS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE POSITIVE ATTACHMENT BETWEEN RTU, CURB AND BUILDING STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE AND VERIFY IN FIELD FINAL LOCATION AND PLACEMENT OF UNITS WITH LOCATION OF ALL UTILITIES AND SUPPLY AND RETURN AIR CONNECTIONS BETWEEN THE UNIT AND ROOF PENETRATIONS. PROVIDE POSITIVE ATTACHMENT BETWEEN UNIT AND STEEL. REFER TO MECHANICAL SPECIFICATIONS AND DETAILS FOR FURTHER INFORMATION AND REQUIREMENTS.

B. PROVIDE NATURAL GAS PIPING, REGULATOR, AND SHUT-OFF VALVE AT ROOF TO THE UNIT'S GAS-FIRED HEAT EXCHANGER SECTION. COORDINATE WITH PLUMBING DRAWINGS. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ALL GAS PIPING SHALL COMPLY WITH 2021 IFGC NJ EDITION AND NFPA 54.

C. PROVIDE FULL SIZE DUCT CONNECTION TO/FROM ROOF TOP UNIT WITH FLEX CONNECTOR (COORDINATE WITH MANUFACTURER FOR APPROVED CONNECTION). PROVIDE APPROVED ROOF SUPPORTS. FIELD COORDINATE DUCT PRIOR TO FABRICATION. REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

D. ALL ROOF PENETRATIONS FOR CURBS, PIPING, DUCTWORK, SUPPORTS, AND ELECTRICAL COMPONENTS SHALL BE PROPERLY SEALED IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR FURTHER DETAIL. COORDINATE WITH ROOFING CONTRACTOR.

E. ALL ROOF CURBS SHALL BE A MINIMUM 20" HIGH, INSULATED, AND SLOPED TO MATCH ROOF SLOPE TO PROVIDE MINIMUM 8" FLASHING HEIGHT ABOVE FINISHED ROOF SURFACE. COORDINATE REQUIRED CURB HEIGHT WITH ARCHITECT, ENGINEER, AND ROOFING CONTRACTOR. ENSURE NO EQUIPMENT HEIGHT EXCEEDS FAA MAXIMUM HEIGHT REQUIREMENTS. VERIFY ALL ROOFING MATERIALS AND FLASHING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND ROOFING SPECIFICATIONS PRIOR TO INSTALLATION.

F. PROVIDE GFCI CONVENIENCE RECEPTACLES AT ALL ROOFTOP MECHANICAL EQUIPMENT LOCATIONS. POWER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE LOCATIONS PRIOR TO INSTALLATION.

G. PROVIDE A MINIMUM 20 FT OF ACOUSTICAL LINING FROM THE SUPPLY AND RETURN CONNECTIONS TO RTU-1 AND RTU-2. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. KEYED NOTES:

GENERAL: KEYED NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (-) AND ARE NUMBERED AS FOLLOWS:

(1) PROVIDE CONDENSATE DRAIN AND TRAP CONNECTION ONE SIZE LARGER THAN OUTLET SIZE (MIN. 1.5"). CONDENSATE PIPING SHALL BE PITCHED FROM UNIT CONNECTION TO SPLASH BLOCK. REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION. COORDINATE TERMINATION LOCATION WITH ARCHITECT, ENGINEER, AND OWNER.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
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NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

MECHANICAL ROOF PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

M1.14

Comission no. 25023O

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ABBREVIATIONS

ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
AVG	AVERAGE
BLDG	BUILDING
CA	COMPRESSED AIR
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUATION
CONTR	CONTRACTOR
DEPT	DEPARTMENT
DIA	DIAMETER
DIM	DIMENSION
DISCH	DISCHARGE
DIW	DOWN IN WALL
DN	DOWN
DWG	DRAWING
EA	EACH
(E)	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRIC
EQUIV	EQUIVALENT
FAC	FIRE ALARM CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FDHV	FIRE DEPARTMENT HOSE VALVE
FDVC	FIRE DEPARTMENT VALVE CABINET
FDMR	FLOOR DRAIN (MECH ROOM)
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISHED FLOOR
FLR	FLOOR
FM	FACTORY MUTUAL
FP	FIRE PROTECTION
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FSM	FIRE SERVICE MAIN
FT	FEET
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HD	HEAD
HP	HORSEPOWER
HR	HOUR
HZ	HERTZ
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
(N)	NEW
NTS	NOT TO SCALE
PD	PRESSURE DROP
PC	PLUMBING CONTRACTOR
PH	PHASE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
(R)	EXISTING TO REMOVE
RAC	RUN ABOVE CEILING
RAF	RUN ABOVE FLOOR
RBF	RUN BELOW FLOOR
RBG	RUN BELOW GRADE
RBR	RUN BELOW ROOF
RBS	RUN BELOW STEEL
REQ	REQUIRED
RIW	RUN IN WALL
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SPEC	SPECIFICATION
STD	STANDARD
STL	STEEL
SYS	SYSTEM
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TS	TAMPER SWITCH
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WIDTH
W/O	WITHOUT
WC	WATER COLUMN
WG	WATER GAUGE

SCOPE OF WORK INFORMATION

SCOPE OF WORK INFORMATION:

PROVIDE AND INSTALL A COMPLETE AND OPERATING SPRINKLER SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND ACCOMPANYING CONTRACT DRAWINGS. THIS SHALL INCLUDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, SUPERVISION, AND TESTING. THE WORK INCLUDES THE FOLLOWING SYSTEMS, EQUIPMENT, MATERIALS, AND LABOR BUT IS NOT NECESSARILY LIMITED BY THIS SUMMARY.

A. A COMPLETE FIRE PROTECTION SYSTEM CONSISTING OF SPRINKLERS, FIRE DEPARTMENT CONNECTIONS, AND ANY RELATED APPURTENANCES TO PROVIDE A FULLY OPERATIONAL HYDRAULICALLY DESIGNED SYSTEM.

B. PROVIDE A COMPLETE WET SPRINKLER SYSTEM INCLUDING ALL SPRINKLER HEADS AND PIPING. PROTECT ALL AREAS FULLY AS REQUIRED BY CODE. SYSTEM SHALL BE HYDRAULICALLY DESIGNED PER CODE. CONTRACTOR SHALL PROVIDE COMPLETE COVERAGE.

C. DRAINS AS REQUIRED.

D. HYDRANT FLOW TEST (FOR REFERENCE ONLY)

CONDUCTED BY: NEW JERSEY AMERICAN WATER (SIMULATED FLOW TEST) 01/30/2026

LOCATION: BAY AVENUE & 26TH STREET, OCEAN CITY, NJ - HYDRANT HOC-704
STATIC PRESSURE: 49.0 PSI
FLOW RATE: 1500 GPM
RESIDUAL PRESSURE: 44.0 PSI

LINE DESIGNATIONS

SPM — SPRINKLER MAIN
FSM — FIRE SERVICE MAIN

FIRE PROTECTION SYMBOLS

GATE VALVE
BUTTERFLY VALVE
BALL VALVE
CHECK VALVE
PIPE RISING UP
PIPE DROPPING DOWN
CAP
NEW UPRIGHT HEAD
NEW SIDEWALL HEAD
NEW CONCEALED PENDANT HEAD
ALARM CHECK VALVE AND TRIM
FIRE DEPARTMENT CONNECTION (FDC)
TAMPER SWITCH

MISC. DWG. SYMBOLS

POINT OF CONNECTION
POINT OF DISCONNECT
POINT OF CONNECTION FOR FUTURE WORK
EQUIPMENT SYMBOL
EQUIPMENT NUMBER OR FLOW (GPM,CFM,ETC.)
DETAIL NUMBER
DETAIL DRAWING NUMBER
SECTION LETTER
SECTION DRAWING NUMBER
PLAN NUMBER
PLAN DRAWING NUMBER
KEYED DEMOLITION NOTE
KEYED NEW WORK NOTE

FIRE PROTECTION NOTES

THE FOLLOWING NOTES APPLY TO ALL "FP" FIRE PROTECTION DRAWINGS:

1. ENTIRE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:

A. NFPA #13 STATE ADOPTED EDITION.

B. CITY OF OCEAN CITY, COUNTY AND STATE BUILDING CODE REGULATIONS.

C. INTERNATIONAL BUILDING CODE, STATED ADOPTED EDITION.

2. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR. CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY WHICH WILL BE SUBMITTED TO THE BUILDING CODE OFFICIAL FOR APPROVAL.

3. FIRE PROTECTION DESIGN SHOWN IS A PROTOTYPIC DESIGN PROVIDING DESIGN STANDARDS FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO HAVE PREPARED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER, A FIRE PROTECTION SUPPRESSION SYSTEM DESIGN, COMPLETE WITH SHOP DRAWINGS AND HYDRAULIC CALCULATION, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT, ENGINEER. AFTER THEIR APPROVAL, SUBMIT TO AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO PERFORMANCE OF ANY WORK. SHOP DRAWINGS SHALL SHOW PIPE ROUTING, SPRINKLER LOCATIONS AND ANY OTHER INFORMATION REQUIRED TO MAKE COMPLETE CONSTRUCTION DOCUMENTS. PROVIDE COPIES OF ALL DOCUMENTATION FOR NEW EQUIPMENT, PIPING, SPRINKLER HEADS, ETC., WITH THE SUBMITTAL.

4. THE FIRE PROTECTION CONTRACTOR SHALL MAKE ALL NECESSARY SUBMISSIONS (STATE AND LOCAL AUTHORITIES) AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO STARTING FABRICATION AND CONSTRUCTION.

5. PRIOR TO STARTING SHOP DRAWINGS, THE FIRE PROTECTION CONTRACTOR SHALL OBTAIN A FLOW TEST ON THE WATER SUPPLY PERFORMED WITHIN THE LAST 12 MONTHS INDICATING STATIC PRESSURE AND INSTANTANEOUS GALLONS PER MINUTE (GPM) WITH RESULTANT RESIDUAL PRESSURE.

6. ALL EQUIPMENT, DEVICES AND MATERIALS USED IN THE INSTALLATION SHALL BE LISTED BY UNDERWRITER'S LABORATORY (UL) AND/OR APPROVED BY FACTORY MUTUAL (FM).

7. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ENTIRE SYSTEM WITH ALL BUILDING AND CEILING ELEMENTS INCLUDING, BUT NOT LIMITED TO, PIPING, DUCTWORK, DIFFUSERS, LIGHTING FIXTURES, ETC.

8. WHERE EXPOSED, THE SPRINKLER SYSTEM PIPING SHALL BE RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS AS APPLICABLE. WHERE SPRINKLER SYSTEM PIPING CROSSES OPEN SPACE SUCH THAT IT COULD PRESENT A TEMPTATION FOR VANDALISM, PIPING SHOULD BE HELD TIGHT TO SIDEWALLS OR STRUCTURAL MEMBERS AS POSSIBLE. WHERE SPRINKLER PIPIING IS INSTALLED IN SPACES WITH ANGLED WALLS AND/OR SLOPED CEILINGS, SPRINKLER PIPING SHOULD BE HELD TIGHT TO WALLS AND ANGLED TO FOLLOW ADJACENT SURFACES.

9. PROVIDE SPRINKLER HEADS OVER AND UNDER DUCTWORK OR OTHER OBSTRUCTIONS 48" AND GREATER IN WIDTH.

10. PROVIDE ADDITIONAL SPRINKLER HEADS TO COMPLY WITH NFPA SPRINKLER COVERAGE, UNDERWRITER, LOCAL FIRE OFFICIAL, ETC., REQUIREMENTS ABOVE AND BEYOND THE MINIMUM QUANTITIES SPRINKLER HEAD SHOWN OR SPECIFIED.

11. SPRINKLER HEAD TYPES AND TEMPERATURE RATING SHALL BE BASED ON NFPA REQUIREMENTS FOR THE BUILDING CLASSIFICATION.

NEW SPRINKLER HEADS SHALL BE AS INDICATED:
UPRIGHT: VIKING MODEL "VK108"
CONCEALED PENDENT: VIKING MODEL "VK462" (OCCUPIED SPACES)

PROVIDE ESCUTCHEON PLATES WHERE REQUIRED BY CEILING CONFIGURATION.
ALL SPRINKLERS ARE TO BE U.L. LISTED AND/OR F.M. APPROVED.
ALL SPRINKLERS SHALL HAVE TEMPERATURE RATINGS OF 135°F TO 170°F, "ORDINARY" CLASSIFICATION WITH APPLICABLE COLOR CODE.
SPRINKLERS OF INTERMEDIATE OR HIGH TEMPERATURE RATINGS SHALL BE INSTALLED WHERE REQUIRED PER NFPA 13, 4-3.1.3.

CONCEALED PENDENT COVER PLATES SHALL BE COLOR TO MATCH ARCHITECTURAL COLOR SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.

COVER PLATES SHALL NOT BE COLORED IN FIELD.

12. PROVIDE TAMPER SWITCHES FOR ALL OS&Y GATE VALVES AND INDICATING TYPE VALVES.

13. PROVIDE FLOW SWITCHES FOR EACH SPRINKLER ZONE.

14. PROVIDE TEST VALVES FOR EACH SPRINKLER ZONE.

15. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ROOM LAYOUTS, ROOM DIMENSIONS, CEILING HEIGHTS, BUILDING CONSTRUCTION AND ALL OTHER ARCHITECTURAL AND STRUCTURAL DETAILS IMPACTING DESIGN.

16. DO NOT RUN PIPING OVER OR THROUGH ANY ELECTRICAL EQUIPMENT. UNLESS BRANCH LINE IS TO SERVE ROOM.

17. IT SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR TO COORDINATE WITH THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION TO IDENTIFY AND LOCATE ON THE CONTRACT DRAWINGS THE LOCATION AND POWER REQUIREMENTS FOR ALL EQUIPMENT AND COMPONENTS RELATED TO THE SPRINKLER SYSTEM.

18. THE BUILDING SHALL BE PROVIDED WITH SPRINKLER COVERAGE AS INDICATED ON THE DRAWINGS, INCLUDING, BUT NOT LIMITED TO, UNDERSIDE OF ROOF, ABOVE CEILING AND OTHER CONCEALED SPACES, WHERE COMBUSTIBLES ARE PRESENT, IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION. REFER TO ARCHITECTURAL PLANS, ROOM FINISH SCHEDULE AND OTHER CONTRACT DRAWINGS.

19. COORDINATE FLOW SWITCH, TAMPER SWITCH, AND ALL OTHER ALARM DEVICE LOCATIONS AND QUANTITIES WITH FIRE ALARM CONTRACTOR.

20. SPRINKLER NEAR HEAT SOURCES SHALL BE PROVIDED IN ACCORDANCE TO NFPA 13 WITH RESPECT TO TEMPERATURE RATING AND LOCATION.

21. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE SPRINKLER HEADS FOR COVERAGE AS OUTLINED PER NFPA 13 REQUIREMENTS AND SHALL BE INSTALLED IN CENTER OF TILE IN A SYMMETRICAL AND ORDERLY FASHION COORDINATED WITH ALL CEILING DEVICES (I.E. DIFFUSERS. LIGHTS , SMOKE DETECTORS, ETC.)

22. SPRINKLER SYSTEM PIPING: SCHEDULE 10 W/ GROOVED LOCKED FITTING: 2-1/2" & LARGER, SCHEDULE 40 W/ SCREWED FITTING: 2" AND SMALLER

23. ALL WORK SHALL BE INSPECTED BY THE INSURER AND ANY LOCAL AUTHORITIES HAVING JURISDICTION. CERTIFIED COPIES OF THESE APPROVALS SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT. ALL TESTS SHALL BE WITNESSED BY OWNER'S REPRESENTATIVE.

24. SPRINKLER LOCATIONS SHOWN ON THESE DRAWINGS ARE SUGGESTED LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DESIGN USING ARCHITECTURAL, STRUCTURAL, INTERIOR DESIGN, AND ALL OTHER APPLICABLE DOCUMENTS AS REQUIRED TO PROVIDE A FULLY SPRINKLERED BUILDING IN ACCORDANCE WITH NFPA SPECIFICATIONS.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRE PROTECTION
LEAD SHEET

Scale	N.T.S.
Drawn by	CEG
Date	08.28.26

FP0.00

Comission no. 25023O

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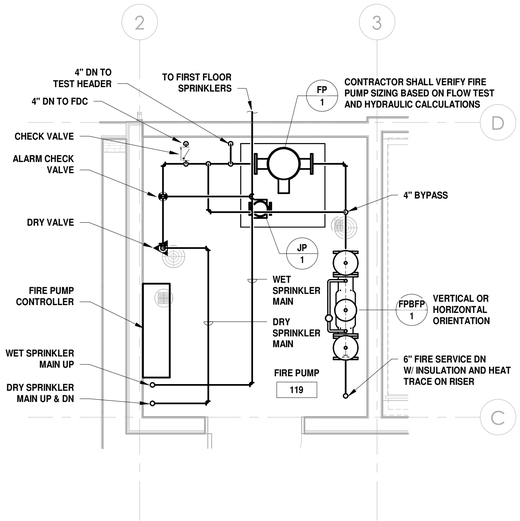
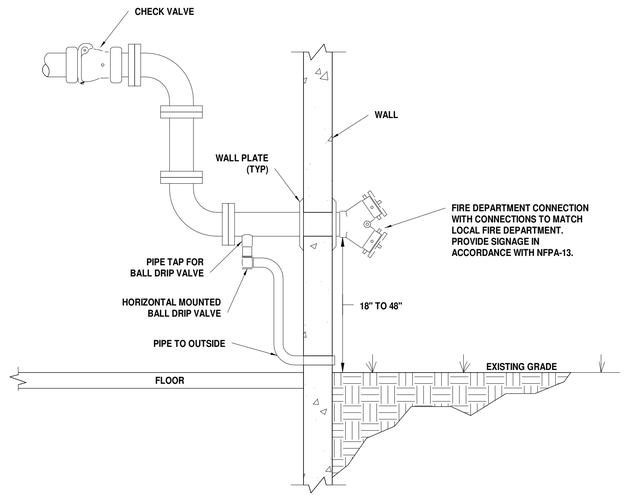
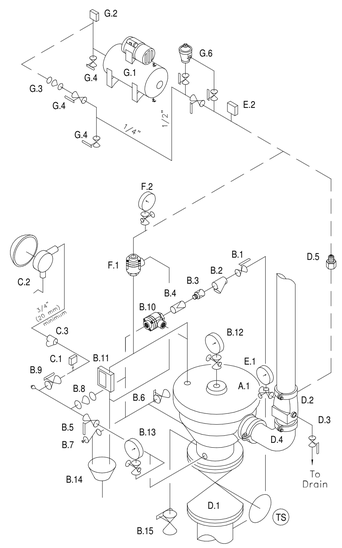


1 FP0.01 **ENLARGED FIRE PUMP ROOM**
SCALE: 3/8" = 1'-0"



2 FP0.01 **FIRE DEPARTMENT CONNECTION**
SCALE: N.T.S.



Dashed lines indicate pipe required but not listed in "System Components" Table.

3 FP0.01 **DRY PIPE VALVE ASSEMBLY**
SCALE: N.T.S.

SYSTEM COMPONENTS

A. VALVE
- A.1 DRY VALVE

B. DRY VALVE EASY TRIM
- B.1 PRIMING VALVE (NORMALLY OPEN)
- B.2 STRAINER
- B.3 1/16" RESTRICTED ORIFICE
- B.4 SPRING LOADED CHECK VALVE
- B.5 ALARM TEST VALVE (NORMALLY CLOSED)
- B.6 AUXILIARY DRAIN VALVE (NORMALLY CLOSED)
- B.7 DRIP CHECK VALVE
- B.8 DRAIN CHECK VALVE
- B.9 ALARM SHUT-OFF VALVE (NORMALL OPEN)
- B.10 PRESSURE SHUT-OFF VALVE (PSOV)
- B.11 EMERGENCY RELEASE
- B.12 PRIMING PRESSURE WATER GAUGE AND VALVE
- B.13 WATER SUPPLY PRESSURE GAUGE AND VALVE
- B.14 DRAIN CUP
- B.15 FLOW TEST VALVE (NORMALLY CLOSED)

C. WATER FLOW ALARM EQUIPMENT
- C.1 ALARM PRESSURE SWITCH
- C.2 WATER MOTOR ALARM (STRAINER REQUIRED)
- C.3 STRAINER

D. RISER
- D.1 WATER SUPPLY CONTROL VALVE W/ TAMPER SWITCH
- D.2 EASY RISER CHECK VALVE OR RUBBER SEATED CHECK VALVE
- D.3 SPRINKLER SYSTEM MAIN DRAIN
- D.4 90 ELL (GROOVED ELL SHOWN. DELUGE VALVE ALSO AVAILABLE WITH FLANGED OUTLET
- D.5 FLOAT CHECK

E. SUPERVISORY AIR SUPPLY
- E.1 SYSTEM PRESSURE GAUGE AND VALVE
- E.2 AIR PRESSURE SUPERVISORY SWITCH

F. RELEASE SYSTEM
- F.1 ANTI-FLOOR ASSEMBLY
- F.2 AIR PRESSURE GAUGE AND VALVE

G. AIR SUPPLY
- G.1 AUTOMATIC AIR SUPPLY. AIR COMPRESSOR AND TANK SHOWN FOR CLARITY.
- G.2 AIR SUPERVISORY PRESSURE SWITCH (COMPRESSOR ON/OFF CONTROL SWITCH)
- G.3 SOFT SEAT CHECK VALVE
- G.4 SHUT-OFF VALVE
- G.5 AIR MAINTENANCE DEVICE & BY-PASS TRIM

ELECTRIC FIRE PUMP SCHEDULE

SYMBOL	LOCATION	TYPE	GPM	PRESSURE BOOST (PSI)	RPM	MOTOR HP	ELECTRICAL		PUMP BASIS OF DESIGN	
							V/PH/HZ	FLA	MANUFACTURER	MODEL NUMBER
FP-1	FIRE PUMP #119	VERTICAL IN-LINE	500	50	3550	20	208/3/60	-	AC FIRE PUMP	1580 4X4X7F

1. FIRE PUMP PACKAGE SHALL BE COMPLETE WITH FIRE PUMP, JOCKEY PUMP, FIRE PUMP CONTROLLER, JOCKEY PUMP CONTROLLER, AUTOMATIC TRANSFER SWITCH, TEST LOOP, BYPASS LOOPS, AND ALL NECESSARY INSTRUMENTATION. FIRE PUMP CONTROLLER SHALL BE SOFT-START WITH ATS.
2. CONDUCT HYDRANT FLOW TEST TO CONFIRM FINAL PUMP PERFORMANCE.

JOCKEY PUMP SCHEDULE

SYMBOL	SERVICE	LOCATION	TYPE	GPM	MOTOR HP	ELECTRICAL	OPER WEIGHT	BASIS OF DESIGN	
						V/PH/HZ		MANUFACTURER	MODEL NUMBER
JP-1	FP	FIRE PUMP #119	VERTICAL IN-LINE	5	3/4	208/3/60	-	GOULDS WATER TECHNOLOGY	SV1-07

BACKFLOW PREVENTER SCHEDULE

SYMBOL	LOCATION	SIZE	TYPE	BASIS OF DESIGN		REMARKS
				MANUFACTURER	MODEL NUMBER	
FPBFP-1	FIRE PUMP #119	6"	DCDA	AMES	3000SS	PROVIDE WITH OS&Y VALVES

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRE PROTECTION DETAILS AND SCHEDULES

Scale	As indicated
Drawn by	CEG
Date	08.28.26

FP0.01

Comission no. 25023O

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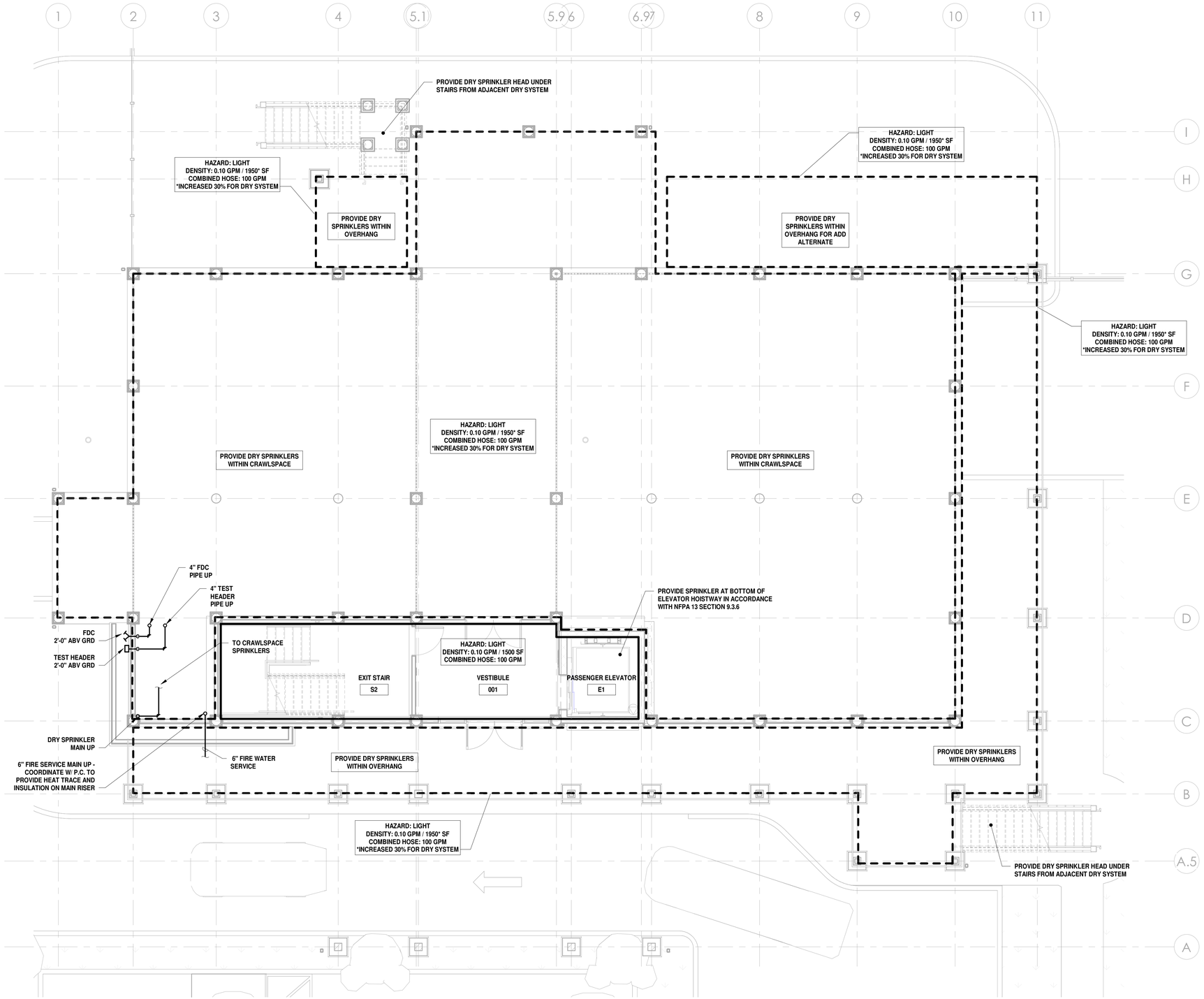

1 FP1.11 FIRE PROTECTION FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

GENERAL NOTES:

A. REFER TO FIRE PROTECTION LEAD SHEET, FP0.00 FOR NOTES THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPING, VALVES & APPURTENANCES TO PROVIDE A COMPLETE WORKING SYSTEM. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR.

C. COORDINATION OF ALL BUILDING-SIDE FIRE PROTECTION WORK WITH THE OWNER'S FIRE PROTECTION PERSONNEL IS A REQUIREMENT OF THIS PROJECT.

D. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

E. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.

LIGHT HAZARD
ORDINARY GROUP 1
DRY SYSTEM

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:
CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
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No.	Description	Date

FIRE PROTECTION CRAWLSPACE FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

FP1.11

Comission no. 25023O

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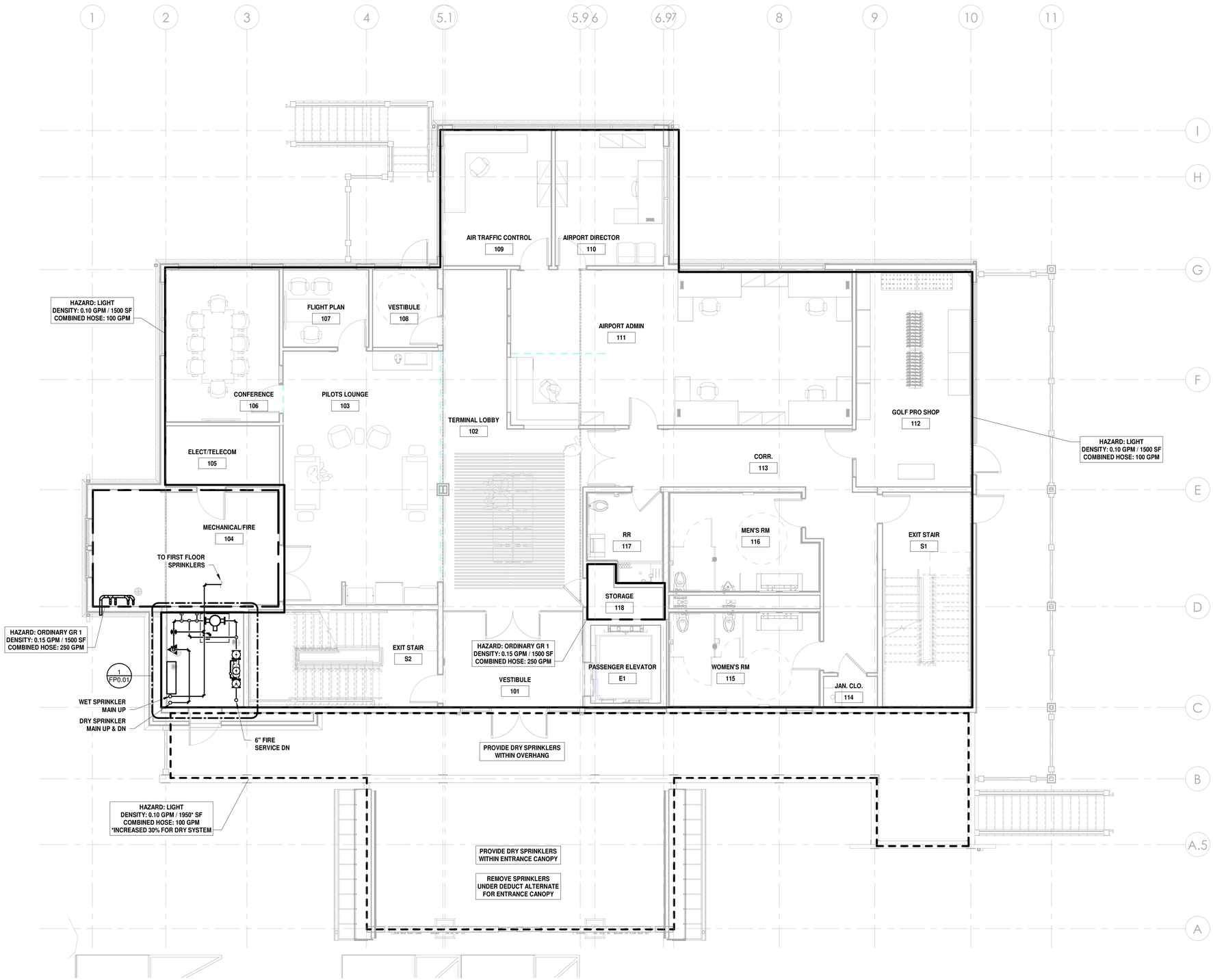

1 FP1.12 FIRE PROTECTION SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

GENERAL NOTES:

A. REFER TO FIRE PROTECTION LEAD SHEET, FP0.00 FOR NOTES THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPING, VALVES & APPURTENANCES TO PROVIDE A COMPLETE WORKING SYSTEM. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR.

C. COORDINATION OF ALL BUILDING-SIDE FIRE PROTECTION WORK WITH THE OWNER'S FIRE PROTECTION PERSONNEL IS A REQUIREMENT OF THIS PROJECT.

D. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

E. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.

LIGHT HAZARD
ORDINARY GROUP 1
DRY SYSTEM

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

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No.	Description	Date

FIRE PROTECTION FIRST FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

FP1.12

Comission no. 25023O

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1 FP1.13 FIRE PROTECTION THIRD FLOOR PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. REFER TO FIRE PROTECTION LEAD SHEET, FP0.00 FOR NOTES THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPING, VALVES & APPURTENANCES TO PROVIDE A COMPLETE WORKING SYSTEM. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR.

C. COORDINATION OF ALL BUILDING-SIDE FIRE PROTECTION WORK WITH THE OWNER'S FIRE PROTECTION PERSONNEL IS A REQUIREMENT OF THIS PROJECT.

D. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

E. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.

LIGHT HAZARD
ORDINARY GROUP 1
DRY SYSTEM

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

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OCEAN CITY AIRPORT

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OCEAN CITY, NJ 08226

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No.	Description	Date

FIRE PROTECTION SECOND FLOOR PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

FP1.13

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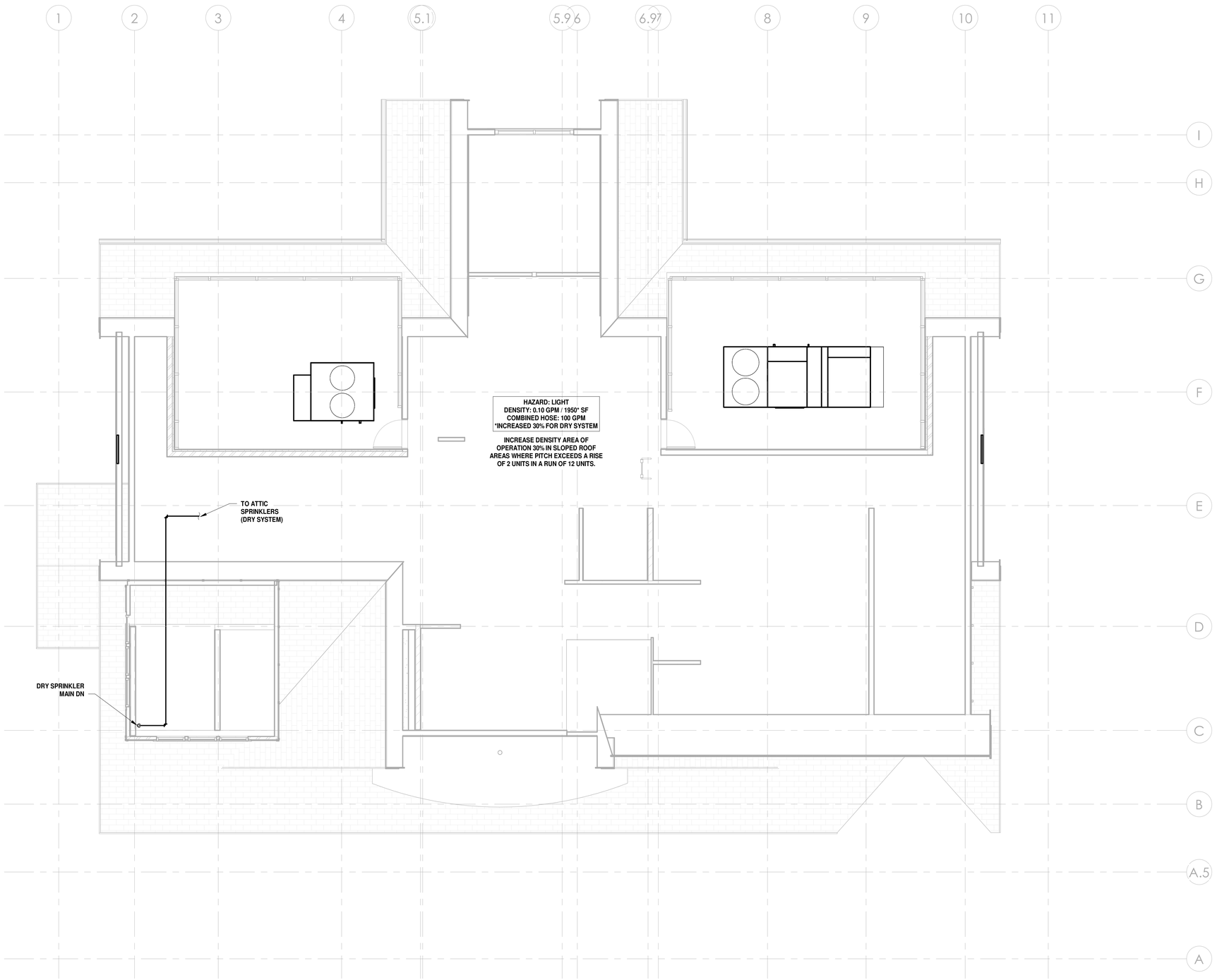

1 FP1.14 FIRE PROTECTION ATTIC PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. REFER TO FIRE PROTECTION LEAD SHEET, FP0.00 FOR NOTES THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPING, VALVES & APPURTENANCES TO PROVIDE A COMPLETE WORKING SYSTEM. ALL SYSTEMS SHALL BE DESIGNED ON A HYDRAULICALLY CALCULATED BASIS BY THE FIRE PROTECTION CONTRACTOR.

C. COORDINATION OF ALL BUILDING-SIDE FIRE PROTECTION WORK WITH THE OWNER'S FIRE PROTECTION PERSONNEL IS A REQUIREMENT OF THIS PROJECT.

D. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

E. PROVIDE SPRINKLER COVERAGE UNDER OBSTRUCTIONS AS REQUIRED BY NFPA-13.

LIGHT HAZARD
ORDINARY GROUP 1
DRY SYSTEM

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRE PROTECTION ATTIC PLAN

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

FP1.14

Comission no. 25023O

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ABBREVIATIONS

ABV	ABOVE
ACCOM	ACCOMMODATE
AD	ACCESS DOOR
ATMOS	ATMOSPHERE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATIVE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARRG	ARRANGEMENT
ATP	AUTOMATIC TRAP PRIMER
BLDG	BUILDING
BLW	BELOW
BTU	BRITISH THERMAL UNIT
BV	BUTTERFLY VALVE
C	COMMON
CAB	CABINET
CAP	CAPACITY
CFF	CAP FOR FUTURE
CFH	CUBIC FEET PER HOUR
CIB	CAST IRON BOOT
CLG	CEILING
CO	CLEAN OUT
COL	COLUMN
CON	CONCENTRIC
CONC	CONCRETE
CD	CONDENSATE DRAIN
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
CU	CUBIC
CW	COLD WATER
DEPT	DEPARTMENT
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DIAG	DIAGRAM
DISCH	DISCHARGE
DN	DOWN
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EQUIP	EQUIPMENT
EXPAN	EXPANSION
°F	DEGREES FAHRENHEIT
FAI	FRESH AIR UNIT
FC	FLOOR CLEANOUT
FD	FLOOR DRAIN
FIN	FINISHED
FLR	FLOOR
FP	FIRE PROTECTION
G	GUIDE/S
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GCO	GRADE CLEANOUT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
HR	HOUR
HTR	HEATER
HW	HOT WATER
HZ	HERTZ
ID	INTERNAL DIAMETER
IDW	INDIRECT WASTE
IN	INCHES
INV	INVERT
KW	KILOWATT
LVG	LEAVING
MAX	MAXIMUM
MBH	THOUSANDS OF BTD PER HOUR
MC	MECHANICAL CONTRACTOR
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NIC	NOT IN CONTRACT
No	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
PC	PLUMBING CONTRACTOR
PERF	PERFORATED
PEX	PEX PIPING
PEX-MF	PEX PIPING MANIFOLD
PH	PHASE
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH
QUAN	QUANTITY
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REQ	REQUIRED
RET	RETURN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RWC	RAINWATER CONDUCTOR
SAN	SANITARY
SCH	SCHEDULE
SCHEM	SCHEMATIC
SFU	SUPPLY FIXTURE UNIT
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SS	SERVICE SINK
ST.STL.	STAINLESS STEEL
ST	STORM
STL	STEEL
TEMP	TEMPERATURE
TP	TOTAL PRESSURE
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
VCO	VERTICAL CLEANOUT
VEL	VELOCITY
VOLT	VOLTAGE
VTR	VENT THRU ROOF
W	WIDTH
W/	WITH/WIDE
W/O	WITHOUT
WC	WATER COLUMN
WCO	WALL CLEANOUT
WG	WATER GAUGE

SCOPE OF WORK INFORMATION

PROVIDE AND INSTALL A COMPLETE AND OPERATING PLUMBING SYSTEM IN ACCORDANCE WITH SPECIFICATIONS AND ACCOMPANYING CONTRACT DRAWINGS. THIS SHALL INCLUDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, SUPERVISION, AND TESTING. THE WORK INCLUDES THE FOLLOWING SYSTEMS, EQUIPMENT, MATERIALS, AND LABOR BUT IS NOT NECESSARILY LIMITED BY THIS SUMMARY.

A. SANITARY WASTE SYSTEM INCLUDING ALL DRAINAGE AND VENT PIPING AND ASSOCIATED FIXTURES.
B. STORMWATER SYSTEM INCLUDING ROOF DRAINS AND RWC PIPING.
C. DOMESTIC WATER SYSTEM INCLUDING ALL CW, HW, AND HWR PIPING AND ANY RELATED EQUIPMENT AND APPURTENANCES.
D. NATURAL GAS SYSTEM INCLUDING ALL SUPPLY PIPING AND ANY RELATED APPURTENANCES.

SYSTEMS SHALL BE INSTALLED TO INTERFACE WITH SITE CONTRACTOR.

LINE DESIGNATIONS

- V — VENT LINE
- G — NATURAL GAS
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER (110°F)
- DOMESTIC HOT WATER RECIRCULATING
- 140°F — DOMESTIC HOT WATER - 140°F
- DIRECTION OF FLOW ARROW
- ST — STORM LINE
- SAN — SANITARY LINE
- ST — STORM LINE (BELOW SLAB)
- SAN — SANITARY LINE (BELOW SLAB)

PLUMBING SYMBOLS

- WHA — WATER HAMMER ARRESTER
- NFWH — WALL HYDRANT (NON-FREEZE)
- FD FD — FLOOR DRAIN
- FLOOR WALL / FCO CO WCO — CLEANOUT
- CAP
- CHECK VALVE
- BALANCING VALVE
- THERMOSTATIC MIXING VALVE
- TP — TEMPERATURE & PRESSURE RELIEF VALVE
- STRAINER
- PIPE RISING UP
- PIPE DROPPING DOWN
- UNION
- THERMOMETER
- GA — GAUGE WITH GAUGE COCK & SNUBBER (WATER)
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GATE VALVE
- GLOBE VALVE
- BALL VALVE

MISC. DWG. SYMBOLS

- POINT OF CONNECTION
- POINT OF DISCONNECT
- POINT OF CONNECTION FOR FUTURE WORK
- EQUIPMENT SYMBOL
- EQUIPMENT NUMBER OR FLOW (GPM,CFM,ETC.)
- DETAIL NUMBER
- DETAIL DRAWING NUMBER
- SECTION LETTER
- SECTION DRAWING NUMBER
- PLAN NUMBER
- PLAN DRAWING NUMBER
- KEYED DEMOLITION NOTE
- KEYED NEW WORK NOTE

GENERAL SPECIFICATIONS

THE FOLLOWING NOTES APPLY TO ALL "P" PLUMBING DRAWINGS:

1. THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE NATIONAL STANDARD PLUMBING CODE "2021" NJ EDITION, INTERNATIONAL FUEL GAS CODE "2021" EDITION, AND LOCAL AUTHORITIES HAVING JURISDICTION AND THE CITY OF OCEAN CITY. NOTIFY CITY BUILDING CODE ENFORCEMENT FOR ALL REQUIRED INSPECTIONS.

2. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATION, SIZE, DEPTH AND LOCATION OF NEW UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. NOTIFY ARCHITECT OR ENGINEER OF ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS. WORK BACK TOWARD BUILDING FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.

3. INSTALL ALL WATER HAMMER ARRESTORS IN ACCORDANCE WITH THE LATEST "PLUMBING AND DRAINAGE INSTITUTE STANDARDS" FOR WATER HAMMER ARRESTORS.

4. PROVIDE AND LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, WATER HAMMER ARRESTORS, CLEANOUTS AND ALL OTHER ITEMS THAT REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE THE BUILDING.

5. COORDINATE PLUMBING WORK WITH ALL OTHER TRADES FOR CLEARANCES, ACCESS AND STRUCTURAL INTERFERENCES PRIOR TO INSTALLATION OF ANY SYSTEMS.

6. ALL VENT PIPING TO BE SLOPED BACK TO THE FIXTURES THEY SERVE.

7. ALL DRAINAGE PIPING SHALL BE SLOPED MIN. 1/4" PER FOOT FOR 2" AND SMALLER PIPING AND A MIN. OF 1/8" PER FOOT FOR 3" AND LARGER PIPING.

8. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. ROUTING IS DIAGRAMMATIC AND APPROXIMATE. ALL REQUIRED OFFSETS, RISE AND DROPS ARE NOT NECESSARILY SHOWN. SUBMISSION BY THE PLUMBING CONTRACTOR SHALL BE CONSTRUED AS EVIDENCE THAT THE P.C. HAS INCLUDED IN HIS OR HER BID PRICE, INSTALLATION OF ALL PLUMBING SYSTEMS COORDINATED WITH G.C. AND ALL TRADES.

9. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DWGS. & G.C. FOR EXACT LOCATION OF ALL PROPOSED PLUMBING FIXTURES AND EQUIPMENT LOCATIONS, PRIOR TO ALL FINAL ROUGH-INS AND CONNECTIONS.

10. PROVIDE BALL VALVES FOR EACH BRANCH CW AND/OR HW LINES FROM MAINS SERVING ALL TOILET ROOMS, AND PLUMBING FIXTURES.

11. THE CONTRACTOR SHALL REFER TO PLANS FOR TAKE-OFFS FOR PIPING LENGTH OF DOMESTIC WATER PIPING TO ALL PLUMBING FIXTURES FROM CORRIDOR AND RISER MAINS. REFER TO RISER DIAGRAMS FOR BRANCH PIPING SIZES TO FIXTURES FROM MAINS SHOWN ON PLANS.

12. PROVIDE ALL REQUIRED APPURTENANCES FOR ALL EQUIPMENT AND FIXTURES AS NEEDED FOR A FULLY OPERATIONAL PLUMBING SYSTEM.

13. PROVIDE ALL REQUIRED LOW VOLTAGE WIRING TO ALL EQUIPMENT OR FIXTURE AS PER MANUFACTURER'S RECOMMENDATIONS.

SANITARY AND STORM SPECIFICATIONS

1. SANITARY WASTE, STORM, AND VENT PIPE & FITTINGS SHALL BE STANDARD WEIGHT HUBLESS CAST IRON ASTM A-888, WITH HUBLESS COUPLING GASKETS IN ACCORDANCE WITH ASTM C-564 & CISPI-310 FOR ABOVE GROUND, ALL COUPLINGS TO BE HEAVY DUTY EQUAL TO HUSKY SD 4000 AND SHALL CONFORM TO ASTM C-1540. HUB & SPIGOT PIPE & FITTINGS SHALL BE IN ACCORDANCE WITH ASTM A-74 WITH COMPRESSION TYPE GASKETS PER ASTM C-564 FOR BELOW SLAB. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED W/THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE.

2. ALL WASTE & VENT PIPE SHALL BE AIR TESTED TO NOT LESS THAN 5 PSIG PRESSURE IN THE SYSTEM. PIPING SYSTEM SHALL SUSTAIN A CONSTANT PRESSURE FOR NOT LESS THAN 15 MINUTES. IF LEAKS OCCUR DURING SYSTEM TESTING, REPAIRS SHALL BE MADE AND SYSTEM RETESTED UNTIL NO EVIDENCE OF LEAKS EXIST FOR THE DURATION OF THE TEST.

3. CLEANOUTS SHALL BE TYLER PIPE CLEANOUT BODY STANDARD FERRULE 2-11 WITH TYPE "B" BRASS PLUG FOR ABOVE FLOOR.

4. HORIZONTAL DRAIN PIPING SHALL BE INSTALLED AT UNIFORM SLOPE NOT LESS THAN 1/4" PER FOOT FOR 2" AND SMALLER AND NOT LESS THAN 1/8" PER FOOT FOR 3" AND LARGER.

DOMESTIC WATER SPECIFICATIONS

1. UNDERGROUND DOMESTIC WATER PIPING SHALL BE IN SOFT COPPER TUBE, ASTM B88 TYPE "L" WROUGHT COPPER, SOLDER JOINT FITTINGS. WRAP PIPING WITH 1/2" CLOSE CELL INSULATION.

2. DOMESTIC WATER PIPE SHALL BE ASTM B88 TYPE "L" SEAMLESS COPPER TUBE WITH SOLDER JOINT FITTINGS USING 95-5 SOLDER PER ASTM B32 OR PRESS-FIT FITTINGS, VIEGA "PRO PRESS" OR APPROVED EQUAL. ALL WATER DISTRIBUTION PIPING SHALL BE WATER RATED FOR NOT LESS THAN 100PSI @ 180°F. DIELECTRIC COUPLING SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED. PIPING MATERIALS FOR USE ON DOMESTIC WATER SYSTEMS INCLUDING FIXTURES & VALVES SHALL NOT CONTAIN MORE THAN 0.2 PERCENT LEAD.

3. PRIOR TO DISINFECTION, POTABLE WATER PIPING SHALL BE FLUSHED WITH WATER UNTIL NO DIRTY WATER APPEARS AT THE POINTS OF OUTLETS.

4. POTABLE WATER PIPING SHALL BE DISINFECTED PRIOR TO USE. THE PIPING SHALL BE FILLED WITH A WATER CHLORINE SOLUTION CONTAINING AT LEAST 50 PARTS PER MILLION OF CHLORINE AND SHALL BE VALVED OFF FOR 24 HOURS OR FILLED WITH A WATER CHLORINE SOLUTION CONTAINING AT LEAST 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR AT LEAST 3 HOURS. FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH POTABLE WATER UNTIL NO CHLORINE REMAINS IN THE SYSTEM. PROVIDE RESULTS OF DISINFECTION TO OWNER WHEN COMPLETE.

5. DOMESTIC WATER PIPE SHALL CONSIST OF A HYDROSTATIC PRESSURE TEST OF 25 PSIG ABOVE THE WORKING PRESSURE UNDER WHICH IT IS OPERATED FOR NOT LESS THAN 60 MINUTES.

6. IF LEAKS OCCUR DURING TESTING, REPAIRS SHALL BE MADE AND SYSTEM RETESTED UNTIL NO EVIDENCE OF LEAKS EXIST FOR THE DURATION OF THE TEST.

7. DOMESTIC WATER PIPE SHALL BE INSULATED WITH FIBERGLASS PREFORMED INSULATION WITH VAPOR JACKET AND SELF SEALING TAPE, EQUAL TO OWENS-CORNING ASJ/SSL-2.
   -DOMESTIC COLD WATER: ALL SIZES - 1" THICK
   -DOMESTIC HOT WATER: ALL SIZES - 1" THICK UP TO 1-1/4" DIAMETER, 1-1/2" THICK FOR PIPING 1-1/2" AND LARGER
   -DOMESTIC WATER PIPING IN EXTERIOR WALLS: 2" THICK

8. BALL VALVES SHALL BE EQUAL TO APOLLO VALVE LEAD FREE SERIES 77CLF-100 OR 200 RATED FOR 150 PSIG W.O.G. FOR PER MSS SP-110.

9. CHECK VALVES SHALL BE EQUAL TO APOLLO VALVE LEAD FREE SERIES 61YLF OR 161YLF PER MSS SP-80 & 139.

HANGERS AND SUPPORTS

1. HANGERS AND ANCHORS SHALL BE SECURELY ATTACHED TO BUILDING CONSTRUCTION AT SUFFICIENTLY CLOSE INTERVALS TO SUPPORT PIPING AND ITS CONTENTS.

A. HORIZONTAL PIPING FOR COPPER SHALL BE SUPPORTED AT 6 FOOT INTERVALS FOR PIPE SIZES 1 1/4" AND SMALLER AND AT 10 FOOT INTERVALS FOR PIPE SIZES 1 1/2" AND LARGER. WHERE PIPE IS SUSPENDED BY NON-RIGID HANGERS MORE THAN 18" LONG PROVIDE LATERAL SUPPORT.

2. ALL SUPPORTS IN CONTACT WITH COPPER PIPING SHALL BE PLASTIC COATED.

3. INSTALL METAL SHIELDS ON HANGERS SUPPORTING INSULATED PIPE.

4. PROVIDE HANGERS THAT ARE U.L. LISTED AND LABELED.

5. ALL DOMESTIC WATER AND SANITARY WASTE PIPE SUPPORTS SHALL BE IN ACCORDANCE WITH NSPC CHAPTER 8, MSS SP-58, 69 & 89.

6. PLUMBING SYSTEMS SHALL BE INSTALLED SO AS TO PREVENT STRAINS & STRESSES WHICH WILL EXCEED STRUCTURAL STRENGTH OF PIPE. PROVISIONS SHALL BE MADE FOR EXPANSION & CONTRACTION OF PIPING.

7. HANGERS, ANCHORS AND SUPPORTS SHALL BE OF METAL. OTHER MATERIAL OF SUFFICIENT STRENGTH TO SUPPORT THE PIPING AND ITS CONTENTS IS ACCEPTABLE. ALL SUPPORTS AND FASTENERS LOCATED OUTSIDE OR IN CORROSIVE AREAS SHALL BE GALVANIZED.

8. MINIMUM ROD DIAMETER FOR SINGLE RIGID SUPPORTS SHALL BE AS FOLLOWS:
   A. FOR 1/4" THRU 2" PIPE: 3/8"DIAMETER
   B. FOR 2 1/2" AND 3" PIPE: 1/2"DIAMETER
   C. FOR 4" AND 5" PIPE: 5/8"DIAMETER
   D. RODS MAY BE REDUCED ONE SIZE FOR DOUBLE ROD HANGERS(3/8"DIA MIN)

SUBSTITUTIONS:

CONTRACTOR MAY SUBSTITUTE SPECIFIED MANUFACTURER'S EQUIPMENT, DEVICES, SYSTEMS, MATERIALS, ETC., IF THE SUBSTITUTED ITEM IS AMERICAN MANUFACTURED, NOT A DEVIATION FROM THE SPECIFIED ITEM'S SIZE, FEATURES, QUALITY, OR AVAILABILITY, ETC., AS SET FORTH IN THE CONTRACT DRAWINGS, TECHNICAL SPECIFICATIONS, ETC. IT IS UNDERSTOOD THAT SUBSTITUTED ITEMS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, SUBJECT TO THE OVERALL TERMS OF THE CONTRACT TO BE AWARDED BY THE OWNER, AND THAT NO ADDITIONAL COSTS ASSOCIATED WITH CHANGES TO ANY TRADES WORK, INCLUDING ADDITIONAL DESIGN SERVICES OR DELIVERY CHARGES WILL BE ALLOWED. ALL SUBSTITUTIONS SHALL BE IN FULL COMPLIANCE WITH NEW JERSEY LOCAL PUBLIC CONTRACTS LAW AND REGULATIONS.

EQUIPMENT DELIVERY SCHEDULE:

PRIOR TO BID, CONTRACTOR SHALL DETERMINE DELIVERY SCHEDULES FOR ALL NEW EQUIPMENT, MATERIALS, ETC., REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL INCLUDE IN THEIR BID AMOUNT ANY AND ALL ADDITIONAL COSTS WHICH MAY BE REQUIRED TO ADVANCE THE DELIVERY OF THE NEW EQUIPMENT, MATERIALS, ETC., TO MEET THE PROJECT'S CONSTRUCTION SCHEDULE AND INCLUDE THESE ADDED COSTS IN THE CONTRACTORS BID.

COORDINATION NOTE:

PRIOR TO CONSTRUCTION, PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE ELECTRONIC COORDINATION DRAWINGS FOR ALL TRADES, WHICH SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE PLUMBING CONTRACTOR ELECTRONIC COPIES OF ALL ELECTRICAL INSTALLATION WORK INCLUDING ALL LAYOUTS AND CUT SHEETS FOR ALL EQUIPMENT, FIXTURES, DEVICES, CONDUITS, APPURTENANCES, ETC., FOR INCORPORATION INTO THE COORDINATION DRAWINGS. ANY CONFLICTS BETWEEN TRADES MUST BE RESOLVED PRIOR TO CONSTRUCTION. SEE DIVISON 22 & 26 TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:
CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

PLUMBING LEAD SHEET

Scale	N.T.S.
Drawn by	CEG
Date	08.28.26

P0.00

Comission no. 25023O

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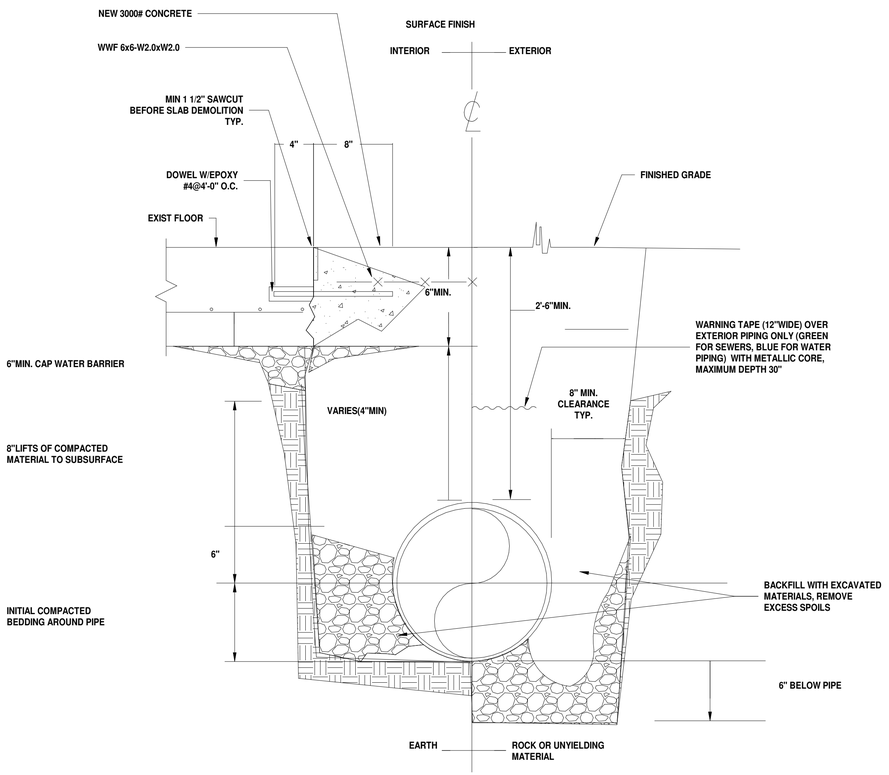

1 P0.01 BELOW GRADE PIPE INSTALLATION

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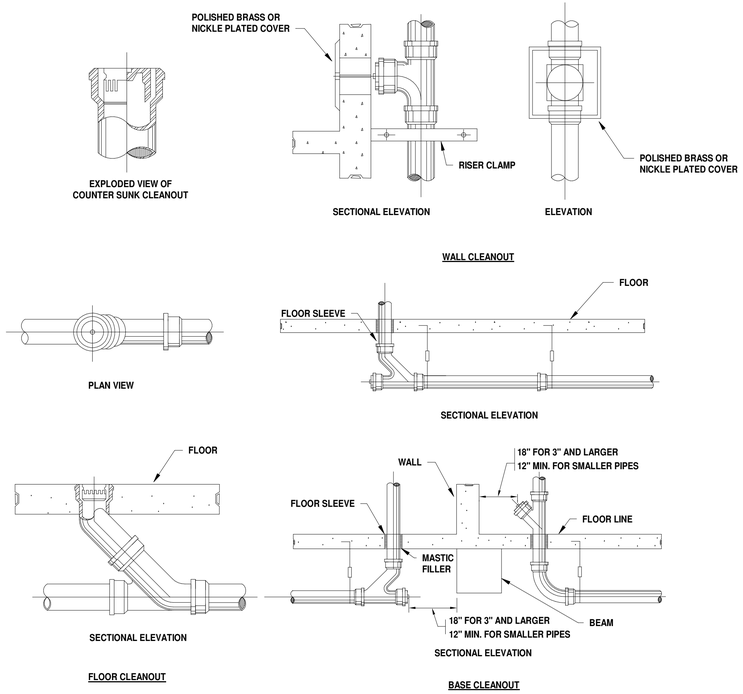

2 P0.01 INTERIOR FLOOR, WALL AND BASE CLEAN-OUT

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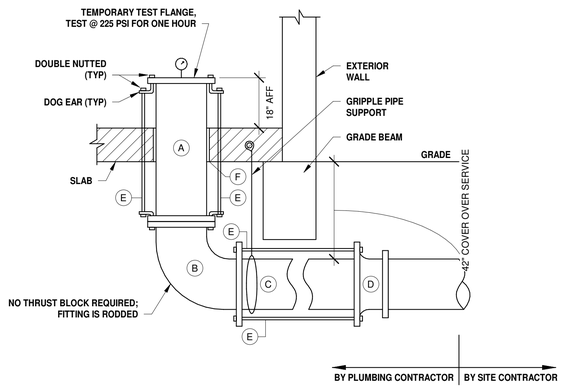
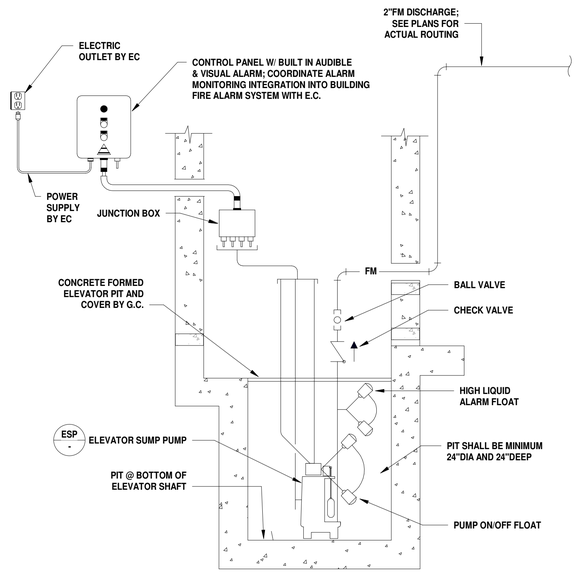


MATERIAL LIST:

- (A) DUCTILE IRON CEMENT LINED PLAIN END X FLANGE END SPOOL PIECE.
- (B) MECHANICAL JOINT 90° BEND CEMENT LINED / ASPHALTIC SEALED WITH GASKET.
- (C) PLAIN END SECTION OF AWWA DUCTILE IRON PIPE (CEMENT LINED). TERMINATE 5'-0" FROM EXTERIOR WALL.
- (D) MECHANICAL JOINT X FLANGE END WITH TEST PLUG. PLUG REMOVED AFTER TESTING, FOR CONTINUATION BY SITE CONTRACTOR.
- (E) 3/4" THREADED ROD, FIELD BITUMEN COATED, RUN FROM FITTINGS TO FLANGE, DOUBLE NUTTED. RODS THRU SLAB WRAPPED.
- (F) FLOOR SLEEVE AROUND SERVICE. FILL VOID BETWEEN SLEEVE AND PIPE WITH WATER SEAL MATERIAL.

3 P0.01 COMBINED WATER SERVICE ENTRANCE

SCALE: N.T.S.



4 P0.01 ELEVATOR SUMP PUMP

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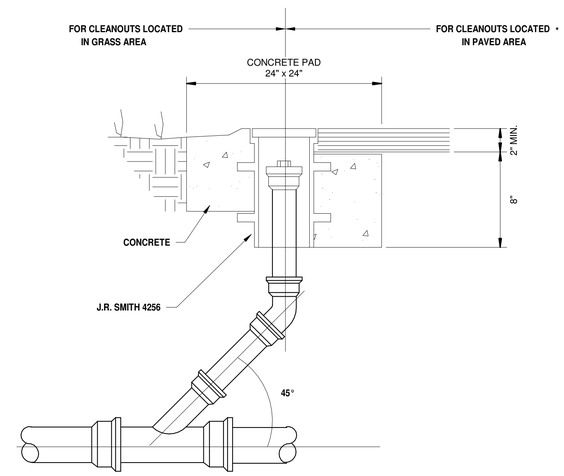

• VERIFY WITH CIVIL/SITE DRAWINGS FOR GRADE FINISH TYPE.

5 P0.01 EXTERIOR CLEANOUT AT GRADE

SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

PLUMBING DETAILS

Scale	As indicated
Drawn by	CEG
Date	08.28.26

P0.01

Comission no. 25023O

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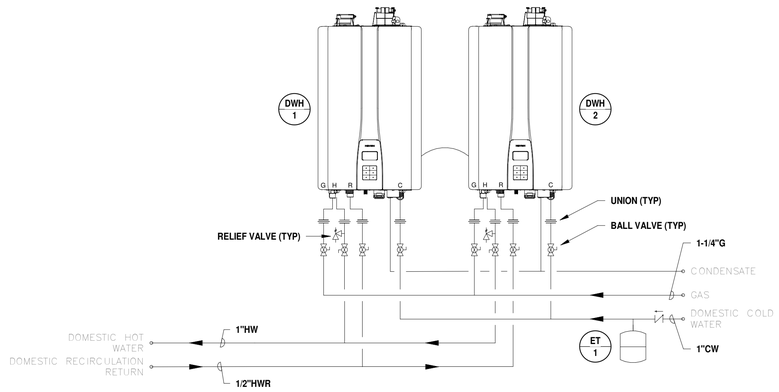

1 P0.02 **INSTANEOUS DOMESTIC WATER HEATER PIPING**
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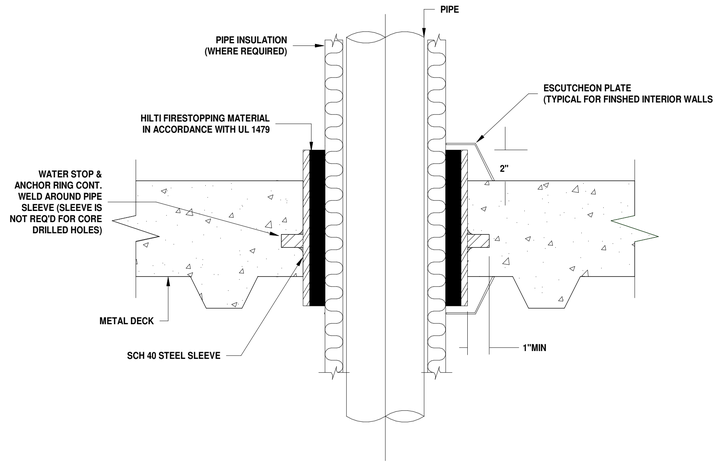

2 P0.02 **VERTICAL PIPE SLEEVE**
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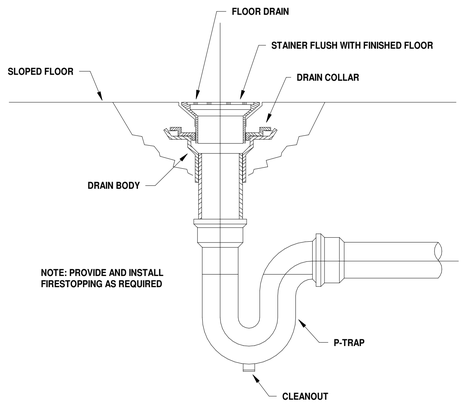
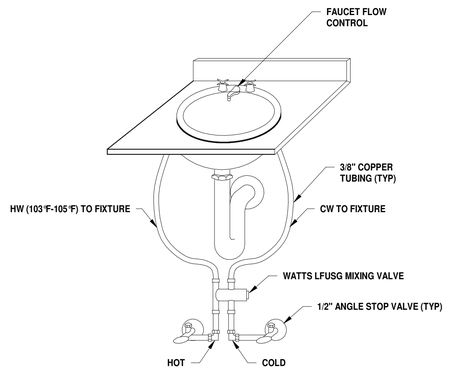


3 P0.02 **TYPICAL FLOOR DRAIN**
SCALE: N.T.S.



4 P0.02 **LAVATORY MIXING VALVE**
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william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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John A. Marchiafava
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NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

PLUMBING DETAILS

Scale	As indicated
Drawn by	CEG
Date	08.28.26

P0.02

Comission no. 25023O

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PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	BASIS OF DESIGN		CONNECTION SIZE					MOUNT	FAUCET / FLUSHOMETER		ELECTRICAL	REMARKS
		MFGR	MODEL	WASTE	VENT	CW	HW	GAS & C/A		MFGR	MODEL		
WC-1	WATER CLOSET	KOHLER	K-96057-0	4"	-	1-1/4"	-	-	FLOOR	KOHLER	K-40TH00N10-CP	-	ELONGATED FLOOR MOUNTED TOP SPUD WATER CLOSET, ADA HEIGHT, COLOR WHITE. FLUSHOMETER - 1.28 GPF, BATTERY, POLISHED CHROME. PROVIDE KOHLER K-4731-SC-0 ELONGATED OPEN TOILET SEAT WITH CHECK HINGE.
WC-2	WATER CLOSET	KOHLER	K-84325-SS-0	4"	-	1-1/4"	-	-	WALL	KOHLER	K-40TH00N10-CP	-	ELONGATED WALL MOUNTED TOP SPUD WATER CLOSET, COLOR WHITE. FLUSHOMETER - 1.28 GPF, BATTERY, POLISHED CHROME. PROVIDE KOHLER K-4731-SC-0 ELONGATED OPEN TOILET SEAT WITH CHECK HINGE.
UR-1	URINAL	KOHLER	K-25048-ET-0	2"	-	3/4"	-	-	WALL	KOHLER	K-10UD00G20-CP	-	WALL MOUNTED TOP SPUD BLOW-OUT URINAL, COLOR WHITE. FLUSHOMETER - 0.5 GPF, BATTERY, POLISHED CHROME.
LAV-1	LAVATORY	KOHLER	K-81024-BSS-KCG	1-1/2"	1-1/2"	1/2"	1/2"	-	WALL	KOHLER	K-181024-BC1	YES	30" WALL MOUNTED LAVATORY SYSTEM, COLOR GLACIER WHITE. FAUCET - TOUCHLESS FAUCET AND SOAP DISPENSER SYSTEM, 0.5 GPM, POLISHED CHROME. SYSTEM INCLUDES BAG HOOK, MULTI OUTLET POWER SUPPLY, OVERFLOW ASSEMBLY. PROVIDE DRAIN, TAILPIECE, TRAP, SUPPLY STOPS AND ALL REQUIRED COMPONENTS. PROVIDE MIXING VALVE MV-1.
LAV-2	LAVATORY	KOHLER	K-81032-BSS-KCG	1-1/2"	1-1/2"	1/2"	1/2"	-	WALL	KOHLER	K-181032-BC1	YES	60" WALL MOUNTED LAVATORY SYSTEM, COLOR GLACIER WHITE. FAUCET - TOUCHLESS FAUCET AND SOAP DISPENSER SYSTEM, 0.5 GPM, POLISHED CHROME. SYSTEM INCLUDES BAG HOOK, MULTI OUTLET POWER SUPPLY, OVERFLOW ASSEMBLY. PROVIDE DRAIN, TAILPIECE, TRAP, SUPPLY STOPS AND ALL REQUIRED COMPONENTS. PROVIDE MIXING VALVE MV-1.
LAV-3	LAVATORY	KOHLER	K-2053-0	1-1/2"	1-1/2"	1/2"	1/2"	-	WALL	KOHLER	K-73060-4-CP	-	WALL MOUNTED VITREOUS CHINA LAVATORY, COLOR WHITE. FAUCET - WIDESPREAD LEVER FAUCET, 1.2 GPM, POLISHED CHROME. INCLUDES POP-UP DRAIN, PROVIDE TRAP, SUPPLY STOPS AND ALL REQUIRED COMPONENTS. PROVIDE MIXING VALVE MV-1.
SH-1	SHOWER	ACORN ENGINEERING	CSB6030-TD-C-NCD2	2"	2"	1/2"	1/2"	-	WALL	KOHLER	K-22180-CP	-	2.5 GPM MAX FLOW RATE, SHOWER KIT INCLUDING HANDSHOWER, HOSE, SHOWER ARM WITH DIVERTER, SLIDEBAR, AND VALVE TRIM. PROVIDE SEPARATE RITE-TEMP PRESSURE BALANCING VALVE.
MR	MOP RECEPTOR	ZURN	#Z1996-24	3"	2"	3/4"	3/4"	-	FLOOR	ZURN	SERVICE FAUCET (SF)	-	PROVIDE WITH HOSE AND HOSE BRACKET (HH), MOP HANGER (MH), AND WALL GUARD (WG)
HB	HOSE BIBB	ZURN	#Z1341XL	-	-	3/4"	-	-	WALL	-	-	-	PROVIDE SHUT-OFF VALVE ON FIRST FLOOR FOR WINTERIZATION.
FD-1	FLOOR DRAIN	ZURN	#Z415B	3"	-	-	-	-	FLOOR	-	-	-	6" DIA NICKEL BRONZE STRAINER, WITH PROSET WATERLESS TRAP PRIMER
FD-2	FLOOR DRAIN	ZURN	#Z508	4"	-	-	-	-	FLOOR	-	-	-	9" DIA HEAVY DUTY DRAIN, LOCATED WITHIN MECHANICAL SPACES ONLY, WITH PROSET WATERLESS TRAP PRIMER
CIB	CAST IRON BOOT	J. R. SMITH	#1785-CA #1786-CA #1787-CA	-	-	-	-	-	GRADE	-	-	-	CAST IRON DOWNSPOUT BOOT, COORDINATE WITH G.C. AND USE APPROPRIATE MODEL. PROVIDE WITH 2" CLEANOUT ACCESS.

CLEANOUT SCHEDULE

SYMBOL	LOCATION	BASIS OF DESIGN	
		MANUFACTURER	MODEL NUMBER
FCO	FINISHED FLOORS	WATTS	#CO-200-R
	CERAMIC & TERRAZO FLOORS	WATTS	#CO-200-T
	UNFINISHED FLOORS	WATTS	#CO-200-RX
WCO	HORIZONTAL PIPING	WATTS	#CO-590-RD
	RISERS	WATTS	#CO-460-RD
GCO	EXTERIOR	J.R. SMITH	#4256

MIXING VALVE SCHEDULE

SYMBOL	LOCATION	CONNECTION SIZE			WATER ENT (°F)	WATER LVG (°F)	BASIS OF DESIGN	
		CW INLET	HW INLET	TEMPERED OUTLET			MANUFACTURER	MODEL NUMBER
MV-1	INDIVIDUAL LAVS / HANDSINKS	3/8"	3/8"	3/8"	120-140	105-110	WATTS	LFUSG-B

ELEVATOR SUMP PUMP SCHEDULE

SYMBOL	LOCATION	GPM	HEAD (FT.)	DISCHARGE OUTLET	ELECTRICAL			BASIS OF DESIGN		REMARKS
					MOTOR HP @ RPM	V/PH/HZ	FLA	MANUFACTURER	MODEL NUMBER	
ESP-1	ELEVATOR #E1	50	21	2"	1/2 @ 3,450	208/1/60	4.4	STANCOR	SE-50	SIMPLEX PUMP, CONTROL PANEL, HI/LOW ALARM, OIL MINDER. CONCRETE BASIN OPENIN...

GREASE INTERCEPTOR SCHEDULE

SYMBOL	FLOW RATE	GREASE CAPACITY	INLET / OUTLET	FLOW CONTROL	BASIS OF DESIGN		REMARKS
					MANUFACTURER	MODEL NUMBER	
GI-1	50 GPM	268 LBS	4"	NOT REQUIRED	SCHIER	GB-3	INSTALL ABOVE GRADE ON FLOOR. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SIMPLEX DOMESTIC WATER BOOSTER PUMP SCHEDULE

SYMBOL	LOCATION	GPM	PRESSURE BOOST (PSIG)	INLET / OUTLET	ELECTRICAL			BASIS OF DESIGN	
					MOTOR HP	V/PH/HZ	FLA	MANUFACTURER	MODEL NUMBER
BP-1	MECHANICAL #104	0-65	20	2.5" / 2"	2 HP	208/3/60	3.4	PENN PUMP	PB-200

NOTE: 1. INSTALL FACTORY FURNISHED NEOPRENE ISOLATION PADS BETWEEN CONRETE BASE AND EQUIPMENT BASE PLATE.
2. INSTALL FACTORY FURNISHED FLEXIBLE CONNECTIONS SHIPPED LOOSE ON SUCTION AND DISCHARGE CONNECTIONS

GAS-FIRED INSTANTANEOUS DOMESTIC WATER HEATER SCHEDULE

SYMBOL	LOCATION	INPUT (BTUH)	WATER ENT (°F)	WATER LVG (°F)	FLOW RATE @ 80°F RISE	FLUE SIZE		ELECTRICAL		OPER WEIGHT (LBS)	BASIS OF DESIGN	
						INTAKE	EXHAUST	V/PH/HZ	FLA		MANUFACTURER	MODEL NUMBER
DWH-1	MECHANICAL #104	199,900	40°F	120°F	4.9 GPM	3"	3"	120/1/60	4	77	NAVIEN	NPE240-A2
DWH-2	MECHANICAL #104	199,900	40°F	120°F	4.9 GPM	3"	3"	120/1/60	4	77	NAVIEN	NPE240-A2

NOTES:
1) PROVIDE AMTROL ST-5C-DD EXPANSION TANK.
2) PROVIDE MANUFACTURERS CONDENSATE NEUTRALIZATION KIT - #GXXX00132
3) INSTALL IN STRICT ACCORDANCE TO MANUFACTURER'S INSTALLATION MANUAL.

BACKFLOW PREVENTER SCHEDULE

SYMBOL	LOCATION	CONNECTION SIZE		BASIS OF DESIGN		REMARKS
		INLET	OUTLET	MANUFACTURER	MODEL NUMBER	
BFP-1	FIRE PUMP #119	2"	2"	WATTS	LF009	PROVIDE WITH 909AGF AIR GAP FITTING

INSTALL BACKFLOW PREVENTERS BETWEEN 12" AND 60" ABOVE FINISHED FLOOR

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PLUMBING SCHEDULES

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Date 08.28.26

P0.03

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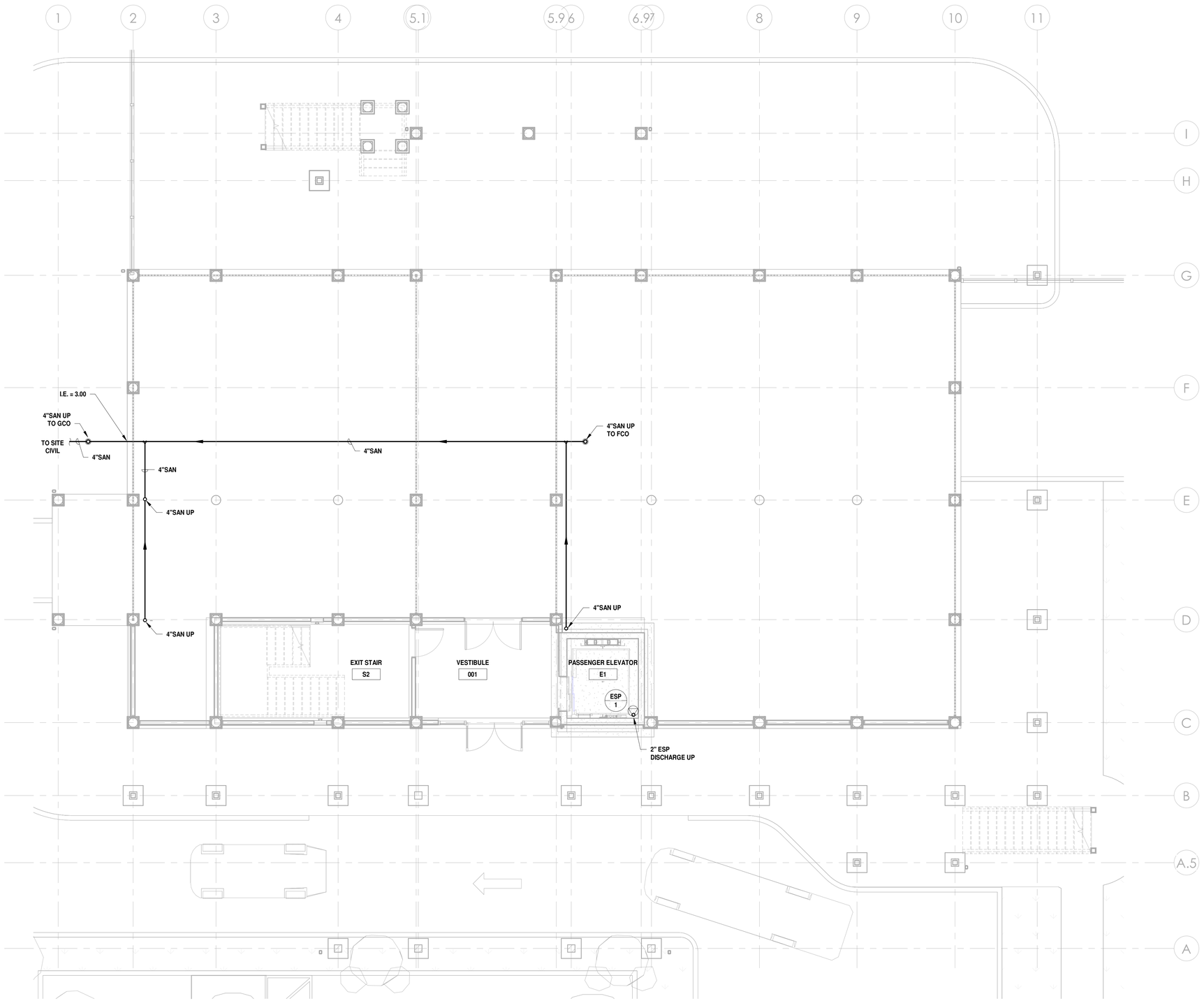

1 / P1.10 PLUMBING UNDERGROUND PLAN - DRAINAGE
SCALE: 3/16" = 1'-0"

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

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PLUMBING UNDERGROUND PLAN

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Drawn by	CEG
Date	08.28.26

P1.10

Comission no. 25023O

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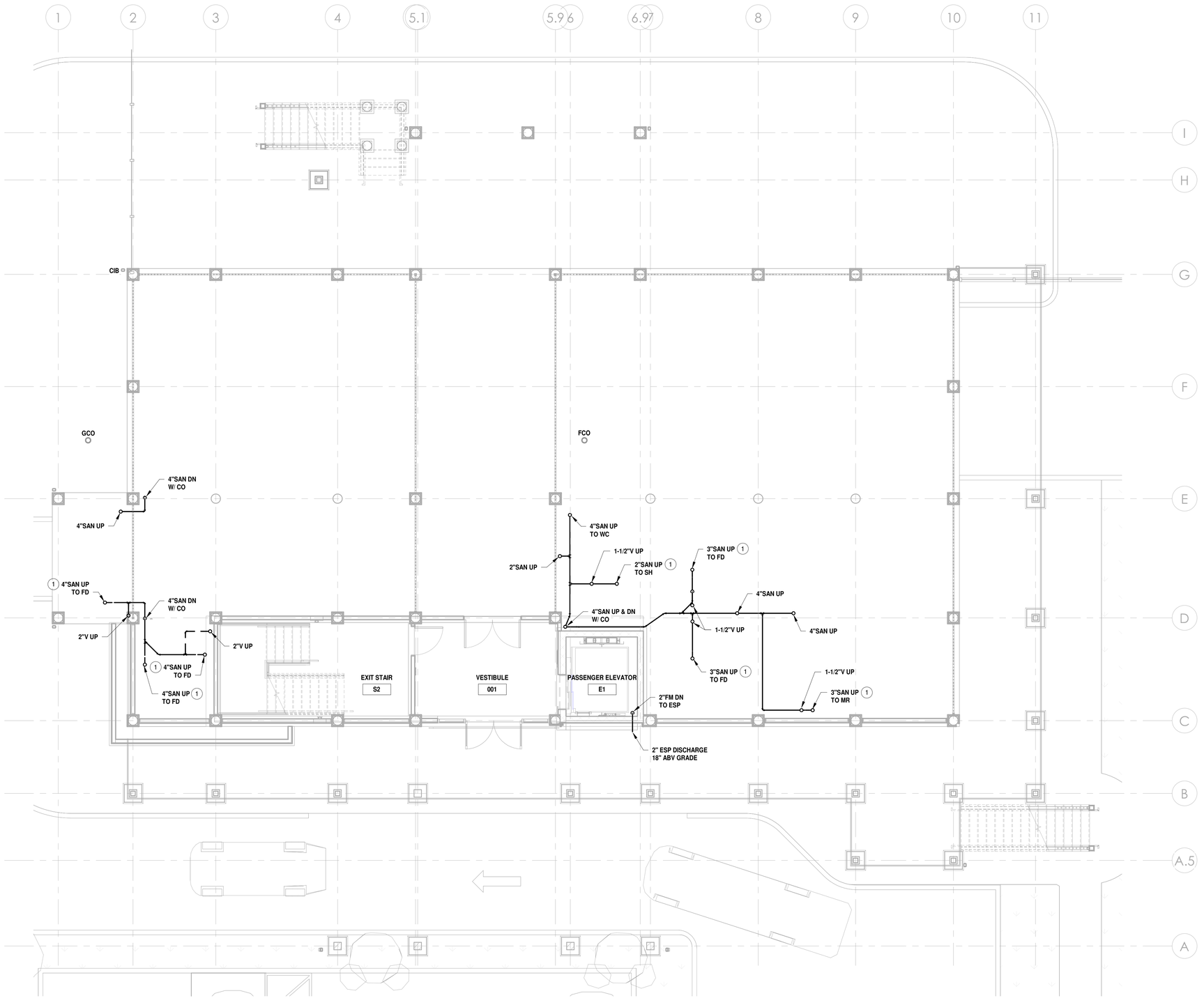

1 P1.11 PLUMBING CRAWLSPACE FLOOR PLAN - DRAINAGE
SCALE: 3/16" = 1'-0"

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PLUMBING CRAWLSPACE FLOOR PLAN - DRAINAGE

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Drawn by	CEG
Date	08.28.26

P1.11

Comission no. 25023O

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1 P1.12 PLUMBING FIRST FLOOR PLAN - DRAINAGE
SCALE: 3/16" = 1'-0"

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PLUMBING FIRST FLOOR PLAN - DRAINAGE

Scale	3/16" = 1'-0"
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P1.12

Comission no. 25023O

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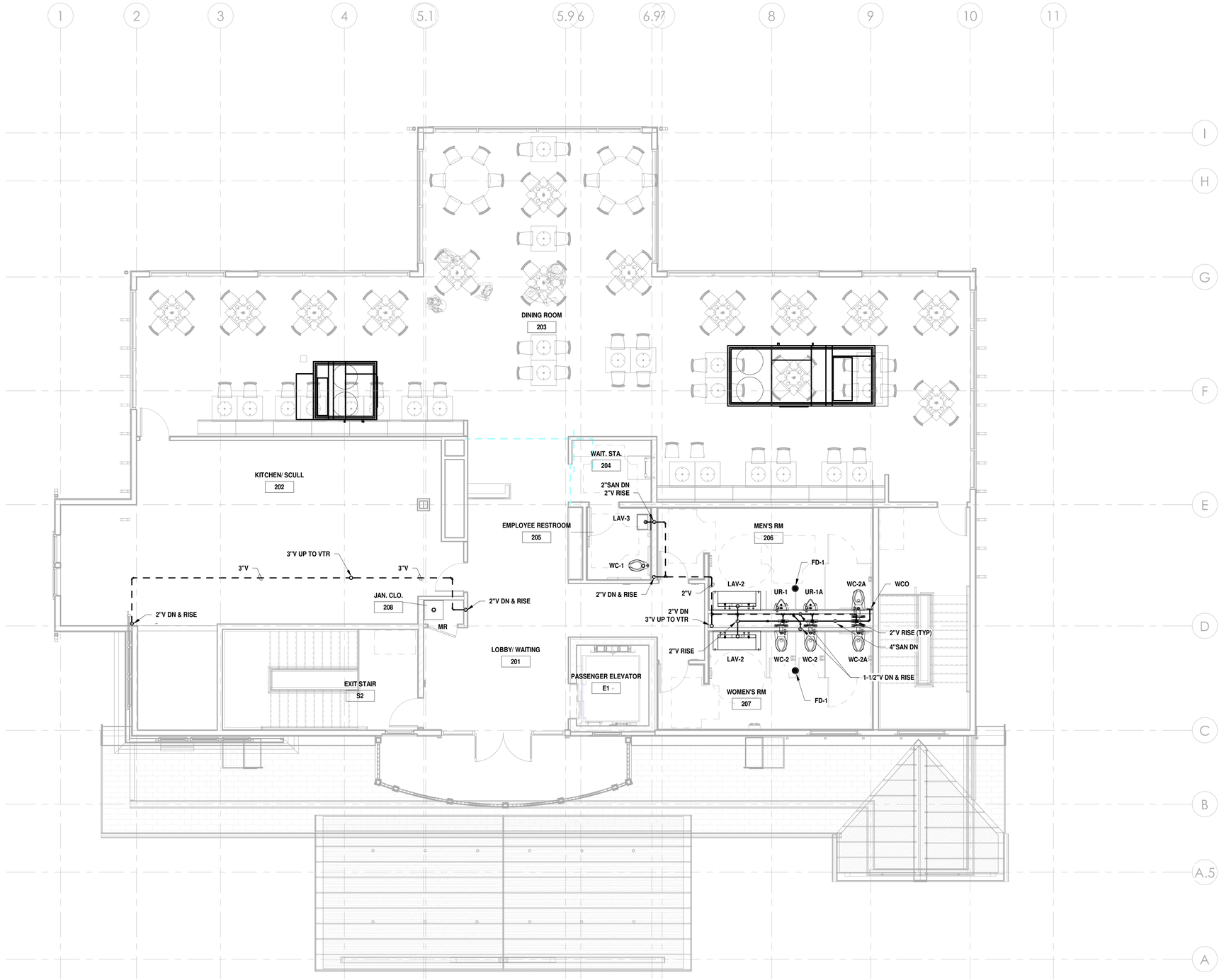

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1 / P1.13 PLUMBING SECOND FLOOR PLAN - DRAINAGE
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P1.13

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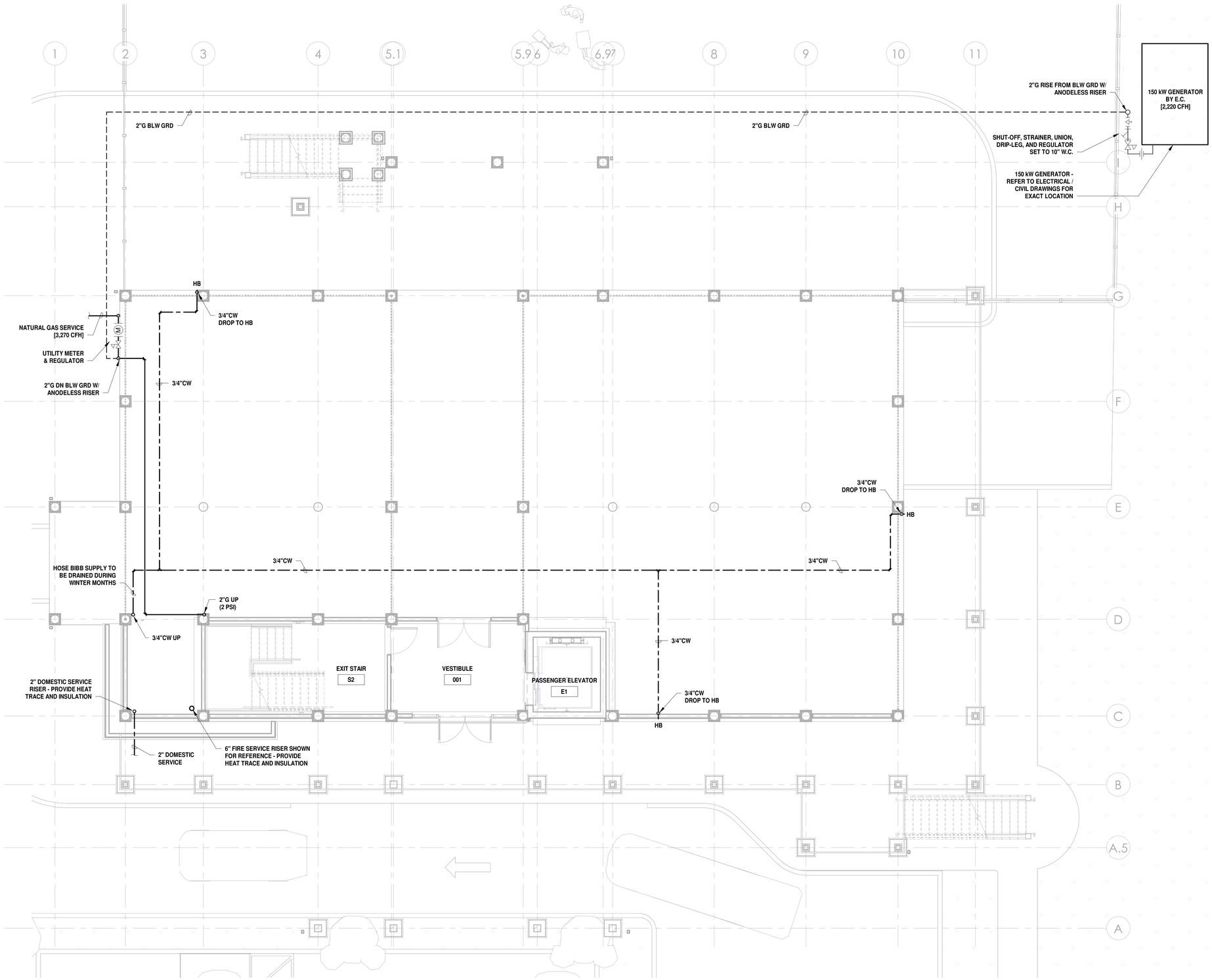

1 P2.11 PLUMBING CRAWLSPACE FLOOR PLAN - SERVICE
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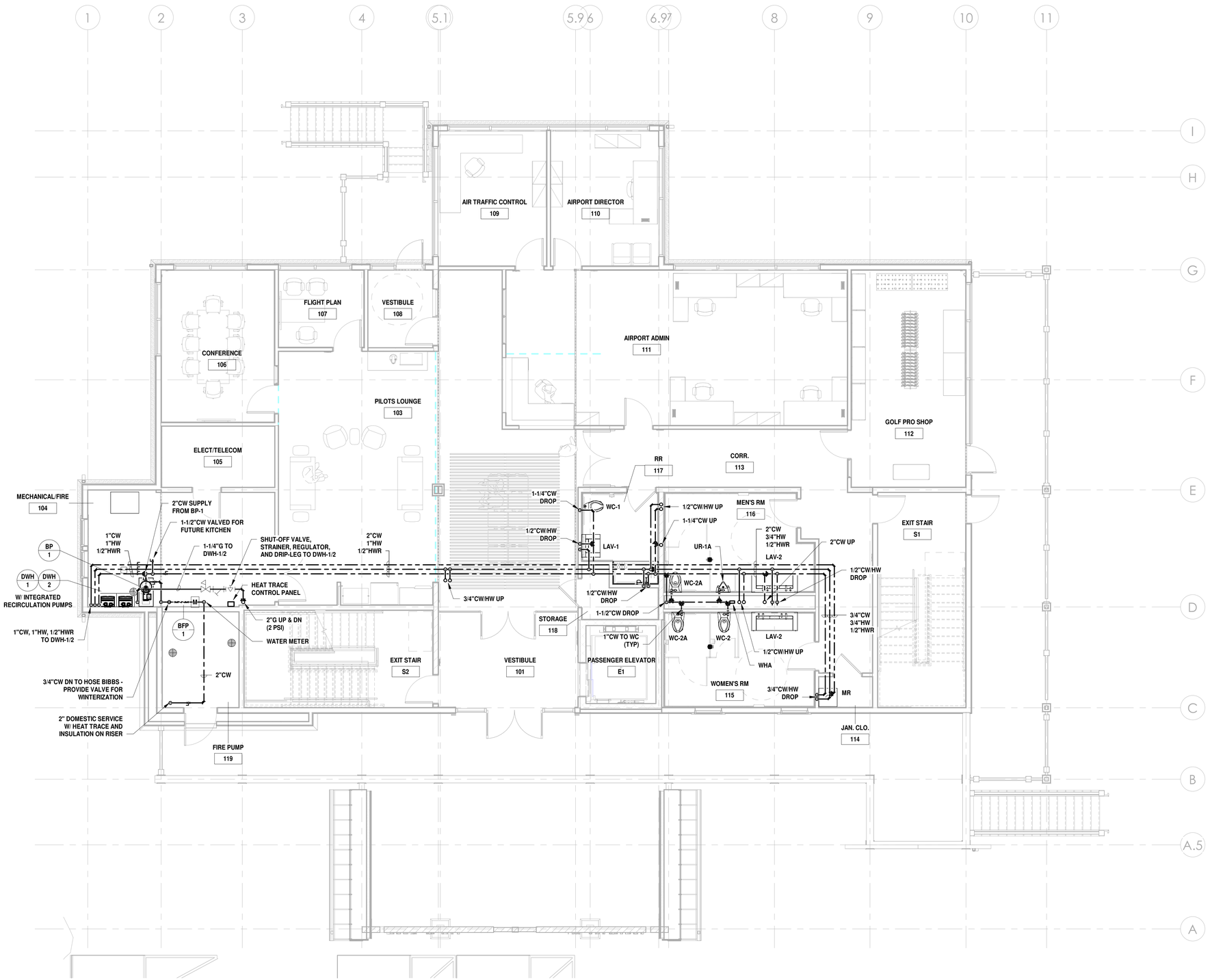

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1 P2.13 PLUMBING SECOND FLOOR PLAN - SERVICE
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C. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ENTIRE SYSTEM WITH ALL BUILDING AND CEILING ELEMENTS INCLUDING, BUT NOT LIMITED TO, PIPING, DUCTWORK, DIFFUSERS, LIGHTING FIXTURES, ETC.

D. CONTRACTOR SHALL PROVIDE WATER, SANITARY, AND VENT CONNECTIONS AS REQUIRED TO ALL FIXTURES. ALL REQUIRED PIPING MAY NOT BE SHOWN.

E. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

0' 2' 4' 6' 12'
SCALE BAR: 3/16"=1'-0"

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
N.J Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

CEG Project No: 8C25284.00

NEW CONSTRUCTION
OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

PLUMBING SECOND FLOOR PLAN - SERVICE

Scale	3/16" = 1'-0"
Drawn by	CEG
Date	08.28.26

P2.13

Comission no. 25023O

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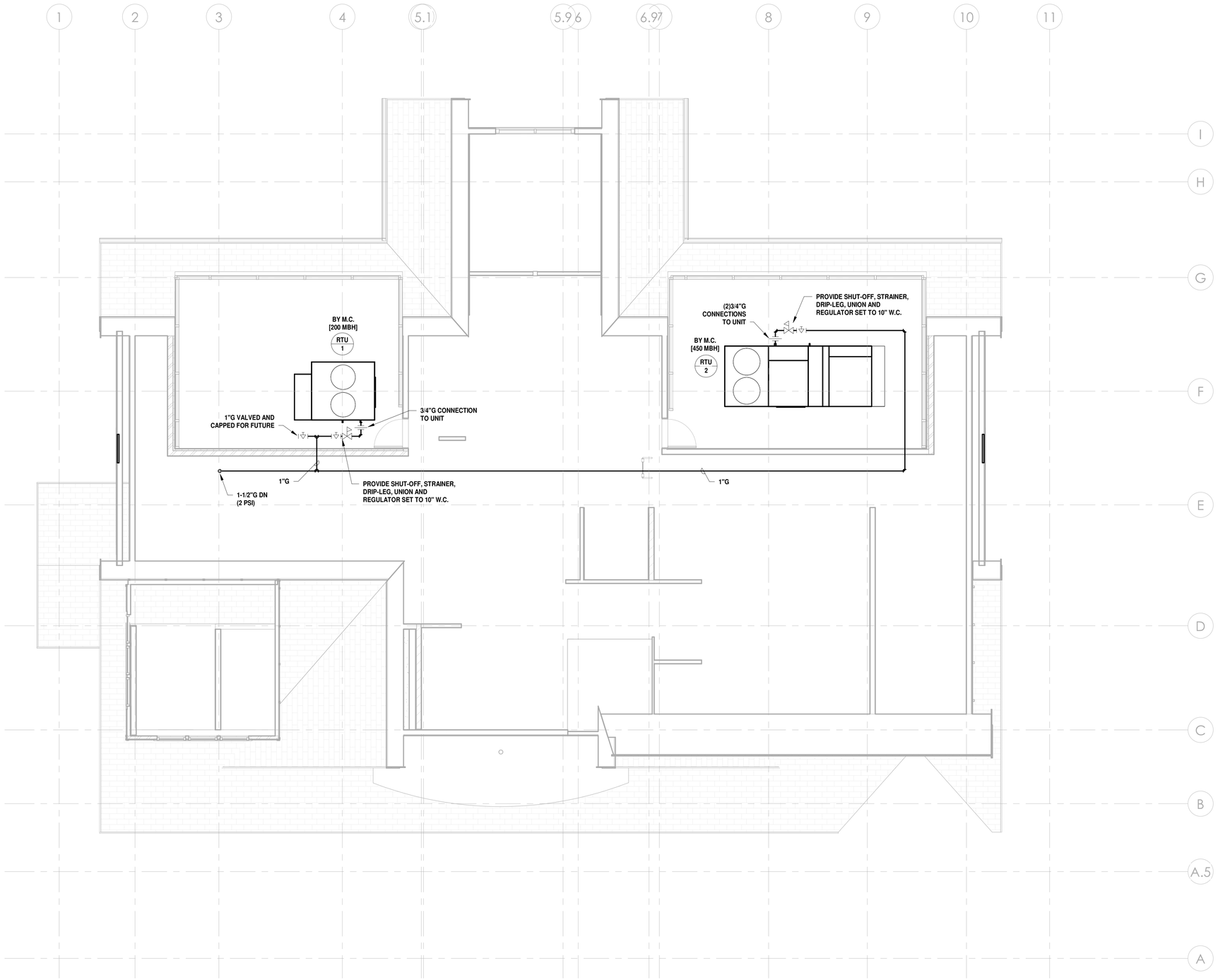

1 / P2.14 7 PLUMBING ATTIC PLAN - SERVICE

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

0' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

GENERAL NOTES:

A. REFER TO PLUMBING LEAD SHEET, P0.00 FOR NOTES THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. CONTRACTOR SHALL PROVIDE ALL REQUIRED PIPING, VALVES, AND APPURTENANCES TO PROVIDE A COMPLETE WORKING SYSTEM.

C. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ENTIRE SYSTEM WITH ALL BUILDING AND CEILING ELEMENTS INCLUDING, BUT NOT LIMITED TO, PIPING, DUCTWORK, DIFFUSERS, LIGHTING FIXTURES, ETC.

D. CONTRACTOR SHALL PROVIDE WATER, SANITARY, AND VENT CONNECTIONS AS REQUIRED TO ALL FIXTURES. ALL REQUIRED PIPING MAY NOT BE SHOWN.

E. CONTRACTOR SHALL INSTALL ALL NEW EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES (INSTALLATION AND MAINTENANCE) AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING

520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

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No.	Description	Date

PLUMBING ATTIC PLAN - SERVICE

Scale	3/16" = 1'-0"
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Date	08.28.26

P2.14

Comission no. 25023O

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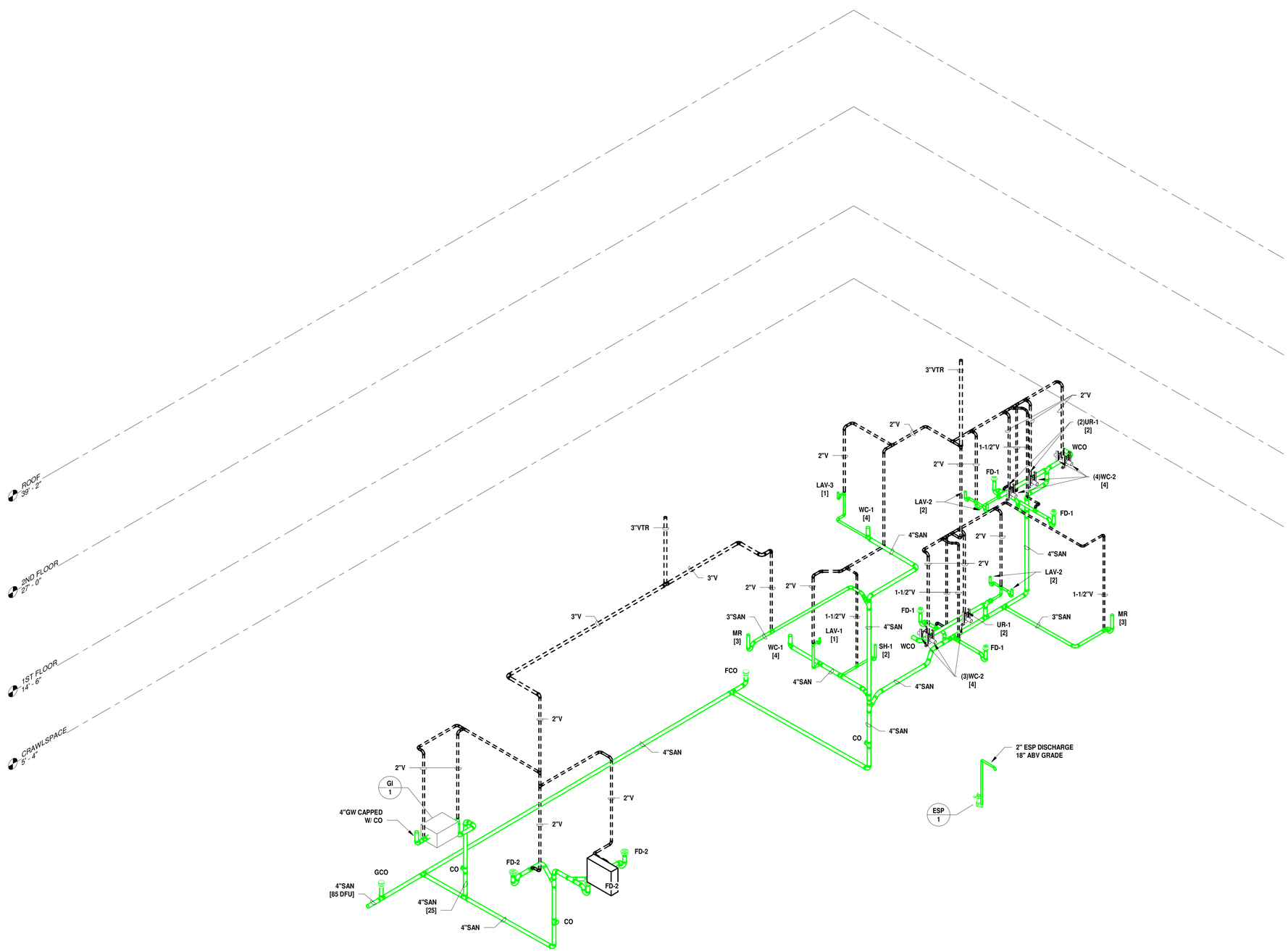

1 P3.01 SANITARY RISER DIAGRAM
SCALE: N.T.S.

william mclees
architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

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No.	Description	Date

PLUMBING SANITARY RISER DIAGRAM

Scale	
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P3.01

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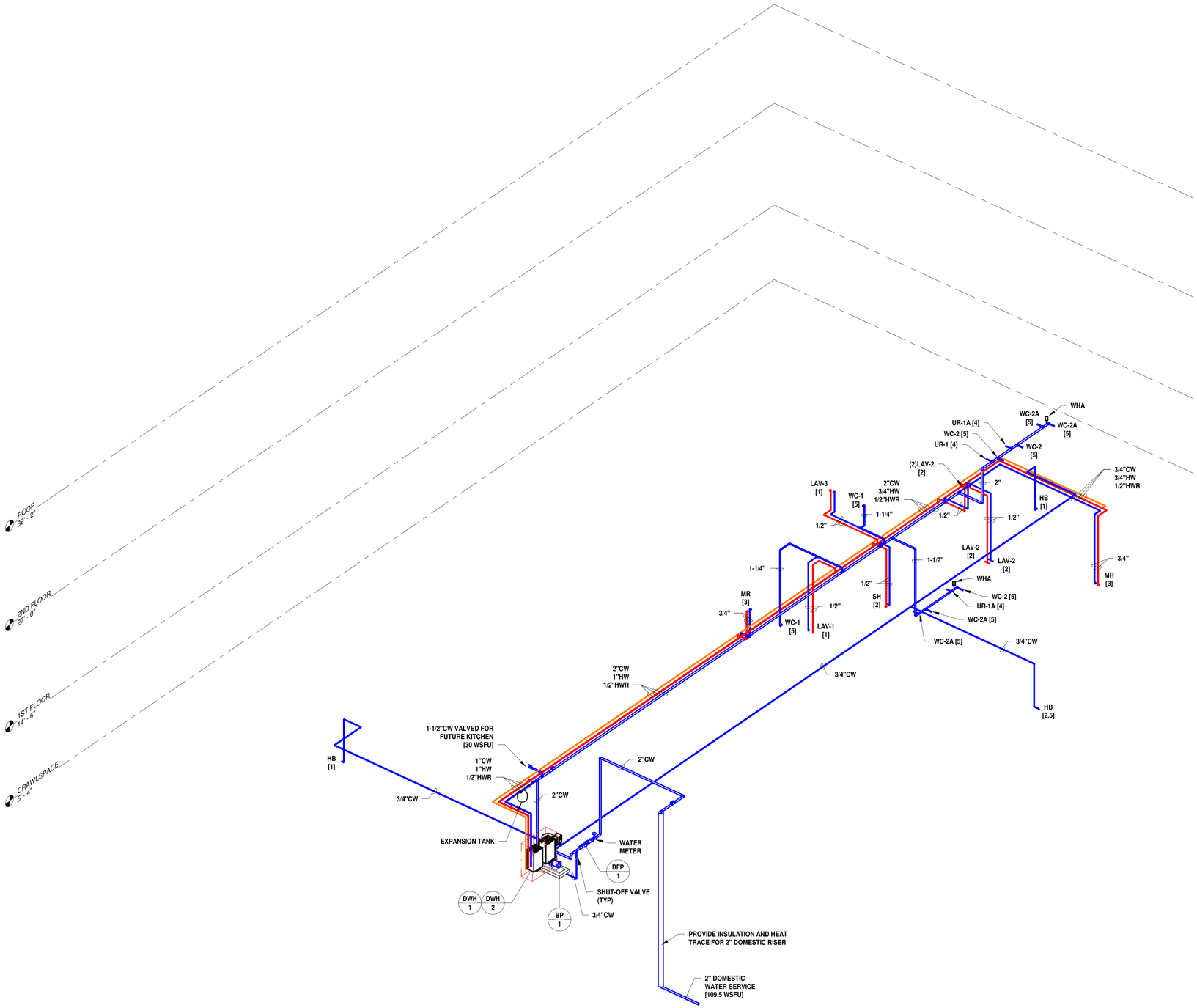

1 P3.02 DOMESTIC WATER RISER DIAGRAM
SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
N.J Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com

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PLUMBING DOMESTIC WATER RISER DIAGRAM

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P3.02

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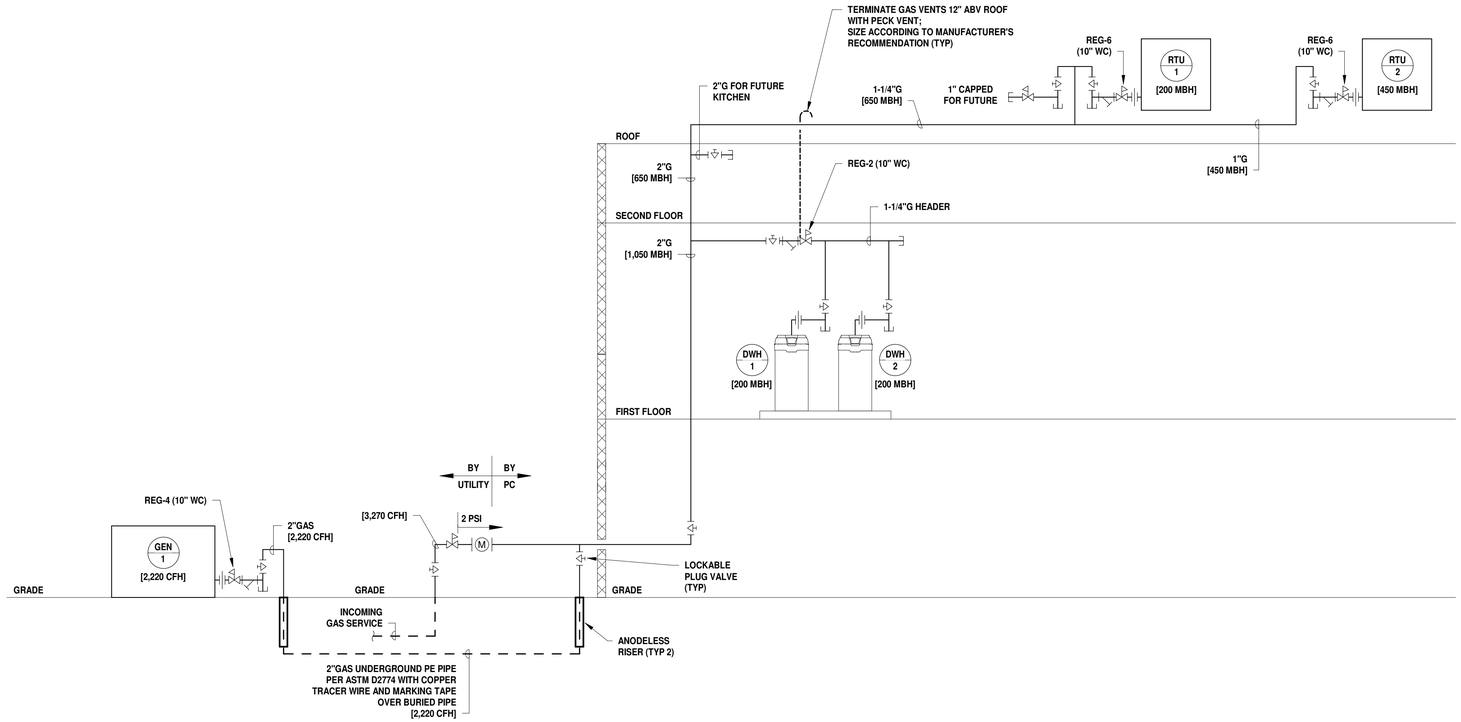

1 / P3.03 NATURAL GAS RISER DIAGRAM

SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

PROFESSIONAL ENGINEER:

John A. Marchiafava
Professional Engineer
NJ Lic. No. 24GE04992500

CONSULTANT:

CONCORD ENGINEERING
520 SOUTH BURNT MILL ROAD, VOORHEES, NEW JERSEY, 08043
PHONE: 856-427-0200
EMAIL: info@concord-engineering.com
CEG Project No: 8C25284.00

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PLUMBING NATURAL GAS RISER DIAGRAM

Scale	12" = 1'-0"
Drawn by	Author
Date	08.28.26

P3.03

Comission no. 25023O

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ABBREVIATIONS

@	AT	KWH	KILOWATT-HOUR
A OR AMP	AMPERE	L.A.	LIGHTNING SURGE ARRESTER
ABV.	ABOVE	LCP	LOCAL CONTROL PANEL
AC	ALTERNATE CURRENT	LED	LIGHT EMITTING DIODE
AF	AMP FRAME	LIM	LINE ISOLATION MONITOR
A.F.C.	ABOVE FINISHED CEILING	L.O.	LUGS ONLY
A.F.F.	ABOVE FINISHED FLOOR	LS	LIMIT SWITCH
A.F.G.	ABOVE FINISHED GRADE	LSI	LONG, SHORT, INSTANTANEOUS
A.I.C.	AMPERE INTERRUPTING CAPACITY	LSIA	LONG, SHORT, INST, ANNUNCIATION
AL	ALUMINUM	LSIG	LONG, SHORT, INST, GROUND-FAULT
ALT	ALTERNATE	LT.	LIGHT
AM	AMMETER	LTG.	LIGHTING
ANN.	ANNUNCIATOR	LV	LOW VOLTAGE
ANT.	ANTENNA	MAX.	MAXIMUM
ARCH.	ARCHITECT	M.C.	MECHANICAL CONTRACTOR
AS	AMMETER SWITCH	MCB	MAIN CIRCUIT BREAKER
AT	AMP TRIP	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MCP	MOTOR CIRCUIT PROTECTOR
AUX.	AUXILIARY	MCS	MOLDED CASE SWITCH
BD	BUS DUCT	ME	MODIFY EXISTING
BIL	BASIC IMPULSE LEVEL	MFR.	MANUFACTURER
BRK.	BREAKER	MIN.	MINIMUM
C. OR CDT.	CONDUIT	M.O.	MECHANICALLY OPERATED
CAB.	CABINET	M.L.O.	MAIN LUGS ONLY
CB OR C/B	CIRCUIT BREAKER	MTD.	MOUNTED
CBL.	CABLE	MTS	MANUAL TRANSFER SWITCH
CKT	CIRCUIT	MV	MEDIUM VOLTAGE
CLG.	CEILING	N	NEUTRAL
CONN.	CONNECTION	(N)	NEW
CONST.	CONSTRUCTION	NAC	NOTIFICATION APPLIANCE CIRCUIT
CONT.	CONTINUOUS	N.C.	NORMALLY CLOSED
CONTR.	CONTRACTOR	N.E.C.	NATIONAL ELECTRIC CODE
CPT	CONTROL POWER TRANSFORMER	N.I.C.	NOT IN CONTACT
CT	CURRENT TRANSFORMER	N.O.	NORMALLY OPEN
CU.	COPPER	N.T.S.	NOT TO SCALE
DEMO. OR D	DEMOLITION	O.C.	ON CENTER
DC	DIRECT CURRENT	O.C.B.	OIL CIRCUIT BREAKER
DIA.	DIAMETER	O.C.P.	OVERCURRENT PROTECTION
DISC.	DISCONNECT	O.D.	OUTSIDE DIAMETER
DIST.	DISTRIBUTION	P	POLE
DWG.	DRAWING	PB	PULL BOX
DP	DISTRIBUTION PANEL	PF	POWER FACTOR
EM.	EMERGENCY	PH OR □	PHASE
EA.	EACH	PL	PILOT LIGHT
E.C.	ELECTRICAL CONTRACTOR	PNL.	PANEL
E.D.P.	ELECTRONIC DATA PROCESSING	PRI.	PRIMARY
ELEC.	ELECTRICAL	PS	PULL STATION
ELEV.	ELEVATOR	PSI	POUNDS PER SQUARE INCH
EMT	ELECTRICAL METALLIC TUBING	PT	POTENTIAL TRASNFORMER
ENCL.	ENCLOSURE	PWR.	POWER
E.O.	ELECTRICALLY OPERATED	RCVR.	RECEIVER
E.R.	EXISTING RELOCATED	RE OR (RE)	RELOCATE EXISTING
EQUIP.	EQUIPMENT	REQ.	REQUIRED
E.W.C.	ELECTRIC WATER COOLER	REX	RELOCATED EXISTING
EX. OR E	EXISTING TO REMAIN	SEC.	SECONDARY
F.	FUSED	SLC	SIGNALING LINE CIRCUIT
F/A	FIRE ALARM	SLD.	SINGLE LINE DIAGRAM
F.B.O.	FURNISHED BY OWNER	SLV.	SLEEVE
F.D.	FEEDER DUCT	SPEC.	SPECIFICATION
FDR.	FEEDER	SS.	SUBSTATION
F.H.C.	FIRE HOSE CABINET	S.T.	SHUNT TRIP
FL.	FLOOR	STD.	STANDARD
F. S.	FLOW SWITCH	STR.	STARTER
FUT.	FUTURE	SW.	SWITCH
G	EQUIPMENT GROUND CONDUCTOR	SWGR.	SWITCHGEAR
GA.	GAUGE	SYS.	SYSTEM
G.C.	GENERAL CONTRACTOR	TEL.	TELEPHONE
G.C.A.	GROUND FAULT INTERRUPTER	TEMP.	TEMPERATURE
G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER	TERM.	TERMINAL
G.F.S.C.	GROUND FAULT SENSING RELAY	TV	TELEVISION
GND.	GROUND	TYP.	TYPICAL
GSC	SYSTEM CIRCUIT GROUND CONDUCTOR	UC	UNDERCOUNTER
H.I.D.	HIGH INTENSITY DISCHARGE	U/F	UNFUSED
H.O.A.	HAND-OFF-AUTOMATIC	U.L.	UNDERWRITERS' LABORATORY
H.P.	HORSEPOWER	U.O.N.	UNLESS OTHERWISE NOTED
HT.	HEIGHT	U.V.	UNDER VOLTAGE
H.V.	HIGH VOLTAGE	V	VOLT
HVAC	HEAT, VENT, AIR COND	VFD	VARIABLE FREQUENCY DRIVE
I.D.	INSIDE DIMENSION	VM	VOLTMETER
ILL.	ILLUMINATION	VS	VOLTMETER SWITCH
IMC.	INTERMEDIATE METAL CONDUIT	W	WATT
INV.	INVERT	WP	WEATHERPROOF
JB OR J-BOX	JUNCTION BOX	XDR	TRANSDUCER
JUNC.	JUNCTION	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	XFR	TRANSFER
KW	KILOWATT		

SINGLE LINE DIAGRAM

- TRANSFORMER
- GENERATOR
- MOLDED CASE CIRCUIT CIRCUIT BREAKER
- FUSE
- (#) MOTOR - # INDICATES MOTOR HORSE POWER
- (M) UTILITY COMPANY METER
- DELTA CONNECTION
- WYE CONNECTION
- CURRENT TRANSFORMER
- (GF) GROUND FAULT CURRENT PROTECTION
- (K) KIRK-KEY INTERLOCK

CIRCUIT PROTECTION / DISCONNECT/MOTOR CONTROL

- ELECTRICAL PANELBOARD, 480Y/277V OR 208Y/120V, SURFACE OR RECESSED MOUNTED - AS NOTED IN PANELBOARD SCHEDULES
- [XX] ELECTRICAL TRANSFORMER - XX INDICATES KVA RATING
- XX NON-FUSED DISCONNECT - XX INDICATES DEVICE AMPERAGE
- XX/YY FUSED DISCONNECT - XX INDICATES DEVICE AMPERAGE. YY INDICATES FUSE AMPERAGE.
- XX/YY NEMA# FUSED COMBINATION STARTER - XX INDICATES DEVICE AMPERAGE. YY INDICATES FUSE AMPERAGE. # INDICATES NEMA STARTER RATING.
- [VFD] VARIABLE FREQUENCY DRIVE

WIRING DEVICES AND BOXES

- SIMPLEX RECEPTACLE, 125V, 20A - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE, 125V, 20A - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE, 125V, 20A, WITH GFCI PROTECTION - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- TV DUPLEX RECEPTACLE , 125V, 20A, FOR POWER TO TV - LOCATE BEHIND TV. COORDINATE HEIGHT WITH ARCHITECT
- WP DUPLEX RECEPTACLE, 125V, 20A, WITH GFCI PROTECTION IN WEATHER-PROOF ENCLOSURE - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- QUADRAPLEX RECEPTACLE, 125V, 20A - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- QUADRAPLEX RECEPTACLE, 125V, 20A, WITH GFCI - MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- FB # FLUSH MOUNTED FLOOR BOX - PROVIDE 3/4" CONDUIT FOR POWER, 1-1/4" CONDUIT FOR DATA, 1-1/4" CONDUIT FOR A/V TO NEAREST VERTICAL PARTITION AND EXTEND TO ACCESSIBLE CEILING. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DIMENSIONED LAYOUTS. # INDICATED TYPE: A (POWER & DATA) - HUBBELL MODEL S1R6PTDEH OR APPROVED EQUAL B (POWER, DATA & AV) - HUBBELL MODEL S1R6PTWZ OR APPROVED EQUAL
- J # J # JUNCTION BOX
- WP ROOFTOP LIGHT & GFCI RATED RECEPTACLE - REFER TO ELECTRICAL DETAILS SHEET
- EPO EMERGENCY POWER & GAS SHUT OFF PUSH-BUTTON - MOUNTED 48" A.F.F. UNLESS OTHERWISE NOTED.

LOW VOLTAGE DEVICES

- TV TV MONITOR - PROVIDE 2 GANG BOX WITH SINGLE GANG FLANGE LOCATED BEHIND TV. PROVIDED (1) 1-1/4" CONDUIT ROUTED UP TO STUB UP 6" ABOVE NEAREST ACCESSIBLE CEILING AND (1) CAT6E CABLE ROUTED TO ROOM 104. PROVIDE PLASTIC GROMMET ON CONDUIT END.
- # DATA DROP (# INDICATES QUANTITY) - PROVIDE 2 GANG BOX WITH SINGLE GANG FLANGE -MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. PROVIDE (1) 1-1/4" CONDUIT ROUTED UP TO STUB UP 6" ABOVE NEAREST ACCESSIBLE CEILING AND (2) CAT6E CABLE ROUTED TO ROOM 104. PROVIDE PLASTIC GROMMET ON CONDUIT END.
- TELEPHONE DROP - PROVIDE 2 GANG BOX WITH SINGLE GANG FLANGE -MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. PROVIDE (1) 1-1/4" CONDUIT ROUTED UP TO STUB UP 6" ABOVE NEAREST ACCESSIBLE CEILING AND (1) CAT6E CABLE ROUTED TO ROOM 104. PROVIDE PLASTIC GROMMET ON CONDUIT END.
- WAP WIRELESS ACCESS POINT - PROVIDE (1) CAT6E CABLE ROUTED TO ROOM 104.

SECURITY DEVICES

- CR CARD READER - PROVIDE (1) 1" CONDUIT ROUTED TO STUB UP 6" ABOVE NEAREST ACCESSIBLE CEILING AND (1) CAT6E CABLE ROUTED TO ROOM 104.
- CAMERA - PROVIDE BACKBOX AND (1) 1-1/4" CONDUIT ROUTED TO STUB UP 6" ABOVE NEAREST ACCESSIBLE CEILING AND (1) CAT6E CABLE ROUTED TO ROOM 104.

LIGHTING FIXTURES

SYMBOLS FOR LIGHTING FIXTURES ARE DIAGRAMMATIC AND WILL NOT REPRESENT PRODUCT APPEARANCE. FIXTURE LETTER DESIGNATION "A,B,C", WHICH REFER TO THE LUMINAIRE SCHEDULE WILL DETERMINE ACTUAL PRODUCT SPECIFIED.

- SHADED AND/OR 'EM' FIXTURES REPRESENT FIXTURES OPERATING ON EMERGENCY POWER. EMERGENCY FIXTURES SHALL BE CONTROLLED IN THE SAME MANNER AS NORMAL FIXTURES IN THE SAME AREA. IN THE EVENT OF LOSS OF NORMAL POWER, EMERGENCY FIXTURES SHALL TURN ON TO FULL BRIGHTNESS.
- INDICATES POWER SOURCE PANEL
- INDICATES PANEL CIRCUIT NUMBER
- LP1-3 / A INDICATES FIXTURE TYPE
- EXIT SIGN - ARROWS AS INDICATED ON PLANS - CEILING MOUNTED REFER TO ARCHITECTURAL EGRESS PLANS FOR ARROW DIRECTION AND FACE DIRECTION
- EXIT SIGN - ARROWS AS INDICATED ON PLANS - WALL MOUNTED REFER TO ARCHITECTURAL EGRESS PLANS FOR ARROW DIRECTION AND FACE DIRECTION
- EMERGENCY BATTERY UNIT (CONNECT AHEAD OF SWITCH)
- WALL PACK WALL MOUNTED LIGHTING FIXTURE - COORDINATE EXACT HEIGHT & LOCATION WITH OWNER / ARCHITECT APPROVAL -REFER TO LUMINAIRE SCHEDULE

CONTROL DEVICES

- S SINGLE POLE SWITCH-MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_3 THREE WAY SWITCH-MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_4 FOUR WAY SWITCH-MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_a LOWER CASE LETTER INDICATES SWITCH LEG
- S_D DIMMER SWITCH-MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- $S_{O/C}$ OPEN/CLOSE SWITCH FOR ELECTRICALLY OPERATED PARTITION
- S_K KEY OPERATED SWITCH-MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_M MOTOR RATED SWITCH WITH THERMAL PROTECTION- MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_O AUTOMATIC WALL SWITCH OCCUPANCY SENSOR - MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- S_V AUTOMATIC WALL SWITCH VACANCY SENSOR - MOUNTED 42" AFF UNLESS OTHERWISE NOTED
- (OC) CEILING MOUNTED OCCUPANCY SENSOR
- (VS) CEILING MOUNTED VACANCY SENSOR
- (DS) CEILING MOUNTED DAYLIGHT SENSOR
- (PP) CEILING MOUNTED POWPAK RELAY MODULE 120/277

ADD / ALT LIGHTNING PROTECTION SYSTEM NOTES

PROVIDE A LIGHTNING PROTECTION SYSTEM AS AN ADD/ALT TO THIS PROJECT.

1. THE VARIOUS ELEMENTS FOR THE LIGHTNING PROTECTION SYSTEM INCLUDE BUT ARE NOT LIMITED TO: INTERCONNECTED ROOF-TOP AIR TERMINALS, GROUNDING TERMINATIONS, CONDUCTORS INTERCONNECTING THE ROOF-TOP AIR TERMINALS & GROUNDS, BUILDING GROUNDING LOOP, METALLIC BODY INTERCONNECTIONS, AND SURGE SUPPRESSION.
2. THE CONTRACTOR SHALL SUBMIT FOR REVIEW BY THE ENGINEER, A COMPLETE SUBMITTAL PACKAGE DETAILING THE PROPOSED LIGHTNING PROTECTION SYSTEM AND COMPONENTS. THE SUBMITTAL SHALL BE BASED ON ACTUAL ARCHITECTURAL ROOF PLANS AND SECTIONS, ARCHITECTURAL ELEVATION DRAWINGS, AND ROOF MOUNTED EQUIPMENT. THE PROPOSED LIGHTNING PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 780 GUIDELINES & UL96A.
3. UPON COMPLETION OF THE LIGHTNING PROTECTION SYSTEM INSTALLATION, APPLICATION SHALL BE MADE TO UNDERWRITERS LABORATORIES, INC. FOR INSPECTION AND ISSUANCE OF THE UL MASTER LABEL.
4. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSION DEVICES FOR ALL INCOMING BUILDING SERVICES. THIS INCLUDES BUT IS NOT LIMITED TO ELECTRICAL SERVICE, TELECOMMUNICATIONS SERVICES, CABLE SERVICE, ETC.
5. THE LIGHTNING PROTECTION SYSTEM SHALL BE COMMONLY BONDED TO THE BUILDING GROUNDING SYSTEM.
6. PROVIDE CONNECTION TO ALL BUILDING LADDERS, VENTS, FALL PROTECTION RODS, ETC.

ELECTRICAL CONTRACTOR RESPONSIBILITIES FOR LIGHTNING PROTECTION

ELECTRICAL CONTRACTOR SHALL PROVIDE:

1. SURGE PROTECTIVE DEVICES ON ALL INCOMING LINES (I.E. POWER, TELEPHONE, CABLE, ANTENNAS, ETC.). CODE NOTE: NFPA 780 4.18, UL 96A 13, AND LPI 175 133 STATE THAT A SURGE ARRESTER, PROTECTOR, OR ANTENNA - DISCHARGE UNIT SHALL BE INSTALLED AT THE POINT OF ENTRANCE ON EACH ELECTRICAL, COMMUNICATIONS (INCLUDING BY NOT LIMITED TO CATV, ALARM, AND DATA) OR ANTENNA SYSTEMS, OR OTHER ELECTRICAL SYSTEM HARDWARE (I.E. ALL CONDUCTIVE SIGNAL, DATA, AND COMMUNICATION LINES).
   - 1.A. DEVICES SHALL COMPLY WITH THE FOLLOWING:
   - 1.A.a. UL 452 ANTENNA - DISCHARGE UNITS
   - 1.A.b. UL 497 PROTECTORS FOR PAIRED-CONDUCTOR COMMUNICATIONS CIRCUITS
   - 1.A.c. UL 497C PROTECTORS FOR COAXIAL COMMUNICATIONS CIRCUITS
   - 1.A.d. UL 1449 ED. 3 SURGE PROTECTIVE DEVICES
   - 1.B. INSPECTION NOTE: UL WILL NOT ISSUE A MASTER LABEL IF SURGE PROTECTION IS NOT IN PLACE AT TIME OF INSPECTION.
2. GROUNDING OF BUILDING STEEL WITH 3/0 CABLE AT AVERAGE INTERVAL OF 60 FEET AROUND THE PERIMETER OF THE BUILDING.
3. GROUND LOOP.
4. GROUND RODS.
5. TEST WELLS.
6. WATER PROOFING FOR ALL THRU-ROOF PENETRATIONS.
7. ADHESIVES, CAULK, OR OTHER SPECIALTY MATERIALS IF REQUIRED BY THE MANUFACTURER, ARCHITECT, OR OWNER
8. SLIP-SHEETS, PAVERS, ETC. IF REQUIRED BY THE ROOFING MANUFACTURER. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR LIGHTNING PROTECTION SYSTEM INSTALLER:
   - 8.A. ROOF ACCESS.
   - 8.B. OSHA-COMPLIANT SAFETY TIE-OFF POINTS.
   - 8.C. USE OF MATERIAL HOIST, ELEVATOR, HIGH REACH, ETC. TO LIFT MATERIALS TO THE ROOF.

LIGHTNING PROTECTION MATERIALS

(IN ACCORDANCE WITH UL 96)
CLASS II (</= 75' IN HEIGHT)
COPPER:
AIR TERMINALS: 3/8" X 12" SOLID COPPER SCREWED ON TO SOLID BRONZE BASES WITH SCREW-PRESSURE CABLE CONNECTORS. NOTE: AIR TERMINAL SHALL EXTEND NOT LESS THAN 10" ABOVE THE OBJECT IT PROJECTS.
CABLE: 29 STRAND, 17 GAUGE SOLID COPPER WEIGHING 192 POUNDS PER 1000'.
EXCEEDS CLASS I REQUIREMENTS.
GROUNDING:
GROUND RODS: 1/2" X 9' COPPERCLAD STEEL DRIVEN VERTICALLY AS POSSIBLE INTO THE EARTH. CONNECT CABLES TO TOP OF GROUND RODS BELOW GRADE USING SOLID BRONZE CLAMPS WITH 2 STAINLESS STEEL BOLTS.

CLASS II (> 75' IN HEIGHT)
COPPER:
AIR TERMINALS: 1/2" X 12" SOLID COPPER SCREWED ON TO SOLID BRONZE BASES WITH SCREW-PRESSURE CABLE CONNECTORS. NOTE: AIR TERMINAL SHALL EXTEND NOT LESS THAN 10" ABOVE THE OBJECT IT PROJECTS.
CABLE: 28 STRAND, 0.066 GAUGE SOLID COPPER WEIGHING 385 POUNDS PER 1000'.
GROUNDING:
GROUND RODS: 5/8" X 10' COPPERCLAD STEEL DRIVEN VERTICALLY AS POSSIBLE INTO THE EARTH. CONNECT CABLES TO TOP OF GROUND RODS BELOW GRADE USING SOLID BRONZE CLAMPS WITH 2 STAINLESS STEEL BOLTS.

ELECTRICAL REFERENCE NOTES

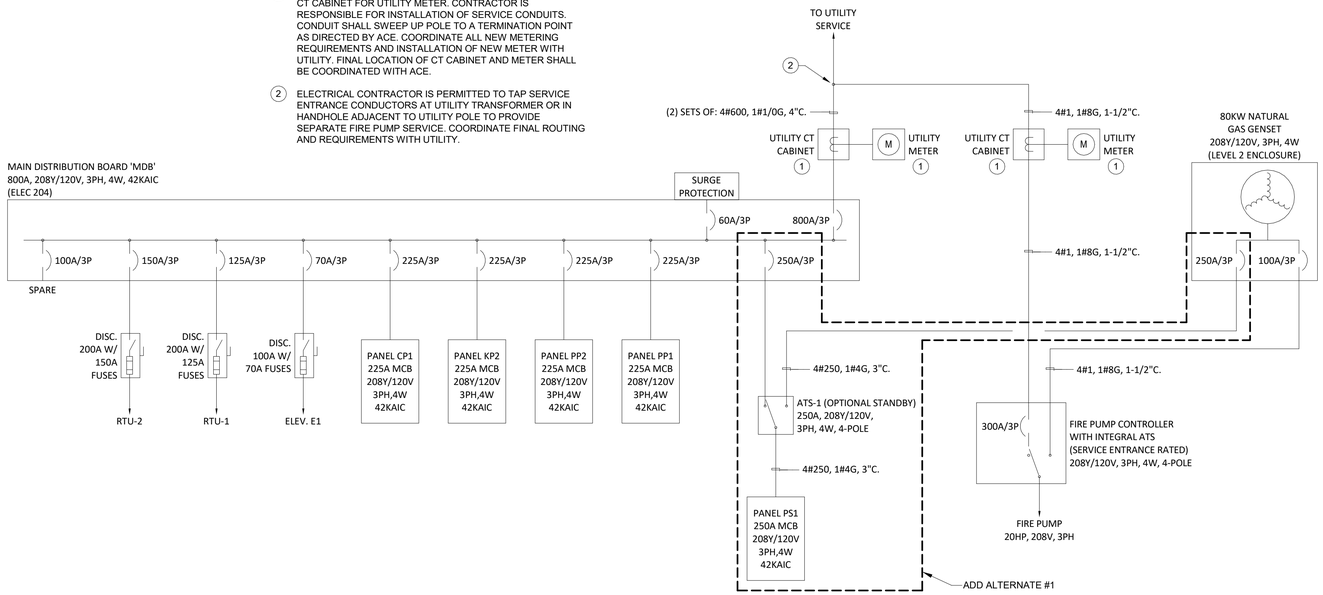
1. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   - 1.1. ALL CEILING MOUNTED LIGHTING FIXTURES AND DEVICES.
   - 1.2. ALL FIRE RATED PARTITIONS AND BUILDING EXPANSION JOINTS.
   - 1.3. MOUNTING HEIGHT OF EQUIPMENT AND DEVICES.
2. REFER TO THE HVAC/MECHANICAL DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   - 2.1. MECHANICAL EQUIPMENT, CONTROL PANELS, AND MOTORS.
   - 2.2. AUTOMATIC TEMPERATURE CONTROL SYSTEM PANELS AND DEVICES.
   - 2.3. MOTORIZED DAMPERS AND CONTROL VALVES.
3. REFER TO THE PLUMBING DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   - 3.1. ELECTRIC FLUSH VALVES AND ELECTRIC FAUCETS.
4. REFER TO THE FIRE PROTECTION/SPRINKLER DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   - 4.1. WATER FLOW AND TAMPER SWITCHES.

GENERAL ELECTRICAL PROJECT NOTES

1. SOME LEGEND SYMBOLS MAY NOT BE USED. SEE FLOOR PLANS FOR APPLICABLE DEVICES.
2. ALL 125 VOLT, SINGLE-PHASE, 15 AND 20 AMP RECEPTACLES, WHEN INSTALLED OUTDOORS WHERE THERE IS DIRECT ACCESS, SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION AND WEATHERPROOF SECURE COVERS WITH LOCKING TAB. THIS SHALL APPLY, BUT NOT BE LIMITED TO, ALL OUTLETS ON THE EXTERIOR OF BUILDING AND ROOF.
3. ALL 125 VOLT, SINGLE-PHASE, 15 AND 20 AMP RECEPTACLES, WHEN INSTALLED WITHIN A SIX FOOT RADIUS OF SINKS, SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION. THIS SHALL APPLY, BUT NOT BE LIMITED TO, PANTRY AREAS, LAVATORIES, AND OTHER WET AREAS.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), THE SPECIFICATION, AND THE AUTHORITY HAVING JURISDICTION.
5. ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE UL LISTED AS 'HACR'.
6. ALL CIRCUIT BREAKERS SERVING HEAT TRACE AND HEATING PANELS SHALL BE 'GFPE' TO SATISFY NEC 427.22.
7. THE DRAWINGS ARE DIAGRAMMATIC. EXACT LOCATION OF EQUIPMENT, WIRING AND RACEWAYS SHALL BE DETERMINED BY CONTRACTOR SUBJECT TO ARCHITECT APPROVAL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ELECTRICAL CHARACTERISTICS OF ALL NEW EQUIPMENT, MOTORS, ETC. BEFORE INSTALLING CABLING AND RACEWAY. IF THERE ARE ANY DISCREPANCIES BETWEEN THE ACTUAL RATING OF EQUIPMENT AT THE SITE AND THE DRAWINGS, THEN THE ENGINEER SHALL BE NOTIFIED.
9. THE CONTRACTOR SHALL SECURE FROM ALL OTHER CONTRACTORS ON THE PROJECT; SHOP DRAWINGS TO VERIFY CHARACTERISTICS OF ALL EQUIPMENT TO BE WIRED. IF THE CONTRACTOR FINDS DISCREPANCIES BETWEEN THE SHOP DRAWINGS AND THE ELECTRICAL PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PROMPTLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIONS TO THE ELECTRICAL INSTALLATION IF THE DRAWING REVIEW IS NOT COMPLETED BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND THE EXTERIOR LIGHTING DESIGNER FOR THE LOCATION OF ALL OUTDOOR LIGHTING FIXTURES, WIRING DEVICES, TRANSFORMERS, PAD MOUNTED SWITCHES, DISCONNECT SWITCHES, PANELBOARDS AND OTHER EQUIPMENT LOCATED OUTSIDE.
11. ALL EMPTY CONDUITS SHALL HAVE PLASTIC BUSHINGS AND A PULL STRING INSTALLED.
12. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF THE MECHANICAL CONTRACTOR, STRUCTURAL CONTRACTOR, SITE CONTRACTOR, UTILITY COMPANY, OWNER PERSONNEL, AND ALL OTHER CONTRACTORS ON SITE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT.
13. ALL EQUIPMENT SPECIFIED IN THIS PROJECT WHICH IS LOCATED OUTDOORS SHALL BE WEATHERPROOF AND NEMA RATED FOR THE ENVIRONMENT/TEMPERATURE TO BE INSTALLED. OUTDOOR EQUIPMENT MINIMUM: NEMA 3R RATING. ALL PANELS, WIRING DEVICES, BOXES, AND ENCLOSURES LOCATED INDOORS SHALL BE NEMA 1 UNLESS OTHERWISE NOTED.
14. ALL FUSES IN DISCONNECT SWITCHES SHOWN SHALL BE CLASS RK-1, FAST ACTING, UNLESS RECOMMENDED OTHERWISE BY THE EQUIPMENT SUPPLIER/MANUFACTURER.
15. ALL KEY OPERATED SWITCHES SHALL BE KEYED ALIKE.
16. PROVIDE AND INSTALL ALL PHOTOCELLS AND PROGRAM TIME CLOCK CONTROL FOR OUTDOOR LIGHTING. LOCATE PHOTOCELLS FOR PROPER OPERATION. GENERAL SITE LIGHTING SHALL BE CONNECTED FOR PHOTO CELL-ON, TIME CLOCK OFF OPERATION. SITE SECURITY LIGHTING SHALL BE CONNECTED PHOTOCELL-ON AND OFF CONTROL. SEE DRAWINGS FOR ADDITIONAL INFORMATION.
17. PROVIDE MOUNTING SUPPORTS FOR ALL DISCONNECT SWITCHES MOUNTED ON ROOF - STANCHION MOUNT ON P1000 UNISTRUT STRUCTURE. USE P1000 UNISTRUT FOR ALL INDOOR SUPPORTS AND GALVANIZED P1000 UNISTRUT FOR ALL OUTDOOR SUPPORTS.
18. REFER TO ARCHITECTURAL DRAWINGS ("A" SERIES), FOR EXACT LOCATIONS OF WALLS, TYPE OF CEILINGS, LIGHTING FIXTURE LOCATIONS, FURNITURE, CASEWORK, DOOR SWINGS, ETC., CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF ELECTRICAL EQUIPMENT, SUBJECT TO ARCHITECT'S APPROVAL.
19. ALL RACEWAYS PENETRATING FIRE RATED PARTITIONS, WALLS, AND CEILINGS SHALL BE SEALED USING APPROVED FIRE RATED SEALANT TO MATCH THE REQUIRED WALL FIRE RATING. COORDINATE ALL FIRE RATED PARTITIONS, WALLS, FLOORS, AND CEILINGS WITH THE ARCHITECTURAL DRAWINGS AND SUBMIT UL APPROVED METHODS FOR FIRESTOPPING AT EACH SPECIFIC LOCATION.
20. PANELBOARD CIRCUIT DIRECTORY: SHALL BE PROVIDED AT PROJECT CONCLUSION AND SHALL BE TYPED AND INDICATE INSTALLED CIRCUIT LOADS
21. ALL CABLES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED FROM THE STRUCTURE. ACCESS TO CEILING SPACE SHALL NOT BE OBSTRUCTED BY CABLES OR CABLE SUPPORTS.
22. SUBMIT TO THE OWNER: CERTIFICATES OF INSPECTION FOR THE ELECTRICAL INSTALLATION FROM AN APPROVED INSPECTION AGENCY UPON COMPLETION OF ELECTRICAL WORK.
23. THE ENTIRE ELECTRICAL SYSTEM SHALL BE TESTED FOR PROPER GROUNDING AND OPERATION. TEST SHALL VERIFY THAT THE SYSTEM HAS NO SHORT CIRCUITS, OPENS, OVERLOADS, OR PANEL IMBALANCES. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND TEST INSTRUMENTS.
24. PRIOR TO FINAL ACCEPTANCE OF THE ELECTRICAL WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WRITTEN STATEMENT GUARANTEEING ALL EQUIPMENT, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE PROJECT. UPON WRITTEN NOTICE TO THE CONTRACTOR DURING THE WARRANTY PERIOD, THE CONTRACTOR, AT NO EXPENSE TO THE OWNER, SHALL REPAIR OR REPLACE ALL DEFECTIVE MATERIALS OR WORKMANSHIP.
25. ALL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATION MAINTENANCE, AND REPAIR. MINOR DEVIATIONS FROM THE PLANS MAY BE MADE TO ACCOMPLISH THIS, SUBJECT TO THE APPROVAL OF THE ENGINEER.
26. THE CONTRACTOR SHALL USE MAXIMUM OF 6' OF FLEXIBLE CONDUIT FOR EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT, AND FOR ALL MOTORS. USE LIQUID TIGHT FLEXIBLE CONDUIT IN WET OR DAMP LOCATIONS. INSTALL SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.
27. ALL WIRING SHALL BE COPPER CONDUCTOR WITH 600 VOLT TYPE THHN, OR THWN-2 INSULATION IN CONDUIT. THE MINIMUM SIZE WIRE FOR LIGHTING AND POWER CIRCUITS SHALL BE #12 AWG. SOLID CONDUCTORS SHALL BE USED FOR NUMBER 10 AND 12; STRANDED CONDUCTORS SHALL BE USED FOR NUMBER 8 AND LARGER.
28. ALL MATERIALS AND EQUIPMENT FURNISHED FOR THIS PROJECT SHALL BE NEW, LISTED, AND APPROVED BY UL.
29. THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND LICENSES.
30. PROVIDE 4" CONCRETE HOUSE KEEPING PADS FOR ELECTRICAL EQUIPMENT FURNISHED UNDER THE ELECTRICAL CONTRACT MOUNTED TO THE FLOOR.
31. PROVIDE ALL MOTOR STARTERS WITH DRIVEN EQUIPMENT AS DETAILED ON THE PLANS. PROVIDE CONDUIT AND FEEDER CABLES FROM PANELBOARD SOURCES TO STARTERS AND FROM STARTERS TO DRIVEN EQUIPMENT MOTOR.
32. COORDINATE WITH THE FINAL ARCHITECTURAL FURNITURE/CABINET DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR ALL RECEPTACLE FINAL LOCATIONS, PRIOR TO INSTALLATION OF ROUGH-IN BOXES AND/OR CONDUITS.
33. PROVIDE STRUCTURAL SUPPORT AND BRACING WHERE REQUIRED FOR ALL EQUIPMENT IN ACCORDANCE WITH SEISMIC SPECIFICATION 260548. SEE DETAILS ON ELECTRICAL DRAWINGS. EQUIPMENT REQUIRING VIBRATION ISOLATION SHALL INCLUDE ALL FLOOR / WALL MOUNTED PANELS, SWITCHGEAR, AND TRANSFORMERS. SEISMIC RESTRAINTS SHALL BE SUPPLIED FOR ALL CONDUITS 2 1/2" AND LARGER SUPPORTED MORE THAN 12" FROM STRUCTURAL ELEMENTS OF THE BUILDING.
34. ALL MOUNTING HEIGHTS SHOWN ARE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
35. PROVIDE ADEQUATE TEMPORARY ELECTRICAL LIGHT AND POWER FOR THE PROJECT WORK OF ALL TRADES DURING CONSTRUCTION.
36. PROVIDE HEAVY GAUGE WELDED WIRE MESH PROTECTIVE GUARDS ON ALL FIRE ALARM DEVICES, CLOCKS, LOUDSPEAKERS, CALL INITIATING DEVICES, EXIT LIGHTS, EMERGENCY LIGHTING UNITS AND BATTERY PACKS IN MECHANICAL ROOMS, LOADING DOCKS, RECEIVING AREAS, PIPE SPACES, PIPE TUNNELS, STORAGE ROOMS, SHOPS, SHAFTS, ON THE BUILDING EXTERIOR, AND OTHER SPACES AND AREAS WHERE [DEVICES ARE] SUBJECT TO DAMAGE OR ACCIDENTAL OPERATION FROM PHYSICAL ACTIVITIES, GENERAL HOUSEKEEPING, MAINTENANCE, OR THE MOVEMENT OF SUPPLIES, MATERIALS, FURNITURE AND EQUIPMENT.
37. COORDINATE EXACT LOCATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.
38. WHERE EQUIPMENT BACKBOXES ARE INSTALLED ON BOTH SIDES OF A COMMON WALL IN THE SAME LOCATIONS, OFFSET BACKBOXES AS REQUIRED TO ALLOW PROPER BACKBOX CLEARANCES IN ACCORDANCE WITH NEC REQUIREMENTS.
39. PROVIDE A SIGN PLACED AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF ON-SITE EMERGENCY POWER SOURCE IN ACCORDANCE WITH NEC REQUIREMENTS.
40. PROVIDE PLASTIC LAMP SLEEVES ON ANY FIXTURE THAT DOES NOT USE A BAFFLE, METAL LOUVERS, OR LENS. INSTALL ABOUT OR BELOW EACH LAMP FOR PROTECTION OF OCCUPANTS.
41. ALL CIRCUIT BREAKERS SERVING HEAT TRACE CIRCUITS OR EQUIPMENT SHALL BE GFPE RATED IN ACCORDANCE WITH NEC REQUIREMENTS.
42. PROVIDE DEDICATED "STEEL" THROUGH WALL SLEEVES WITH PLASTIC GROMMETS FOR ALL TELECOMMUNICATIONS WIRING ENTERING ROOMS FROM HALLWAYS. PROVIDE (2) SLEEVES FOR TELECOMMUNICATIONS CABLING INTO EACH ROOM. SLEEVE MINIMUM SIZE SHALL BE: 1-1/4". PROVIDE FIRE SEALANT OF EQUIVALENT RATING AFTER WIRING IS INSTALLED.

NEW WORK KEYED NOTES

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW CT CABINET FOR UTILITY METER. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SERVICE CONDUITS. CONDUIT SHALL SWEEP UP POLE TO A TERMINATION POINT AS DIRECTED BY ACE. COORDINATE ALL NEW METERING REQUIREMENTS AND INSTALLATION OF NEW METER WITH UTILITY. FINAL LOCATION OF CT CABINET AND METER SHALL BE COORDINATED WITH ACE.
2. ELECTRICAL CONTRACTOR IS PERMITTED TO TAP SERVICE ENTRANCE CONDUCTORS AT UTILITY TRANSFORMER OR IN HANDHOLE ADJACENT TO UTILITY POLE TO PROVIDE SEPARATE FIRE PUMP SERVICE. COORDINATE FINAL ROUTING AND REQUIREMENTS WITH UTILITY.



1 E0.01 ELECTRICAL SINGLE LINE DIAGRAM
SCALE: N.T.S.

ADD ALTERNATE #1:

A. PROVIDE SEPARATE LINE ITEM PRICING TO FURNISH AND INSTALL NEW OPTIONAL STANDBY GENERATOR (130KW NATURAL GAS, 208Y/120V, 3PH, 4W) AND ASSOCIATED EQUIPMENT/WIRING AS INDICATED ON SINGLE LINE DIAGRAM.
B. 90-MINUTE BATTERY BACKUP FOR EMERGENCY LOADS SHALL REMAIN AS INCLUDED IN BASE BID.
C. THE FOLLOWING EQUIPMENT SHALL BE POWERED VIA STANDBY POWER PANEL 'PS2' LOCATED IN FIRST FLOOR ELECTRICAL ROOM 104.
   1. POWER ALL LIGHTING
   2. POWER FIRE ALARM SYSTEM AND ASSOCIATED ACCESSORIES
   3. POWER MECHANICAL EQUIPMENT REQUIRED FOR FREEZE PROTECTION
      - EPH-1 & 2
      - STAIRWELL AND VESTIBULE CABINET UNIT HEATERS
      - STAIRWELL SPLIT SYSTEMS
      - UNIT HEATERS IN MECHANICAL AND ELECTRICAL SPACES
      - HEAT TRACING
      - ASSOCIATED MECHANICAL CONTROLS
   4. POWER SERVER ROOM COMPUTER RACKS
      - RACK EQUIPMENT
   5. POWER SELECTED KITCHEN EQUIPMENT
      - WALK-IN COOLER AND/OR FREEZER
      - REACH-IN FREEZER/REFRIGERATORS LOCATED IN THE KITCHEN
   6. POWER STANDBY GENERATOR BATTERY CHARGER AND JACKET HEATER
   7. POWER SELECTED RECEPTACLES FOR BUILDING OPERATION.

GENERATOR SEQUENCE OF OPERATION:

UTILITY POWER OUTAGE:

A. UPON LOSS OF UTILITY POWER:
   1. THE GENERATOR WILL BE ENERGIZED.
   2. THE FIRE PUMP ATS WILL TRANSFER FROM THE NORMAL FEED TO THE GENERATOR FEED.
   3. FIRE PUMP WILL BE ENERGIZED WITHIN 10 SECONDS OF THE LOSS OF POWER.
   4. AFTER THE EMERGENCY POWER LOADS ARE ENERGIZED, THE OPTIONAL STANDBY ATS WILL TRANSFER FROM THE NORMAL FEED TO THE GENERATOR FEED.
   5. THE OPTIONAL STANDBY LOADS SHALL BE ENERGIZED WITHIN 2 MINUTES OF THE LOSS OF POWER.

B. UPON RESTORATION OF UTILITY POWER:
   1. AFTER A TIME DELAY TO ENSURE THAT THE UTILITY POWER IS STABILIZED, THE OPTIONAL STANDBY ATS WILL TRANSFER FROM THE NORMAL FEED TO THE GENERATOR FEED.
   2. AFTER A TIME DELAY TO ENSURE THAT THE UTILITY POWER IS STABILIZED, THE FIRE PUMP ATS WILL TRANSFER FROM THE NORMAL FEED TO THE GENERATOR FEED.
   3. THE GENERATOR SHALL RUN THROUGH THE MANUFACTURER RECOMMENDED COOLDOWN AND SHUTDOWN CYCLE.
   4. PROVISIONS SHALL BE PROVIDED TO ADJUST THE TIME DELAYS DESCRIBED ABOVE TO MEET AHJ SPECIFIC REQUIREMENTS.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL SINGLE LINE DIAGRAM

Scale	*NOT TO SCALE*
Drawn by	*TJT*
Date	*08.28.26*

E0.01

Comission no. *25023O*

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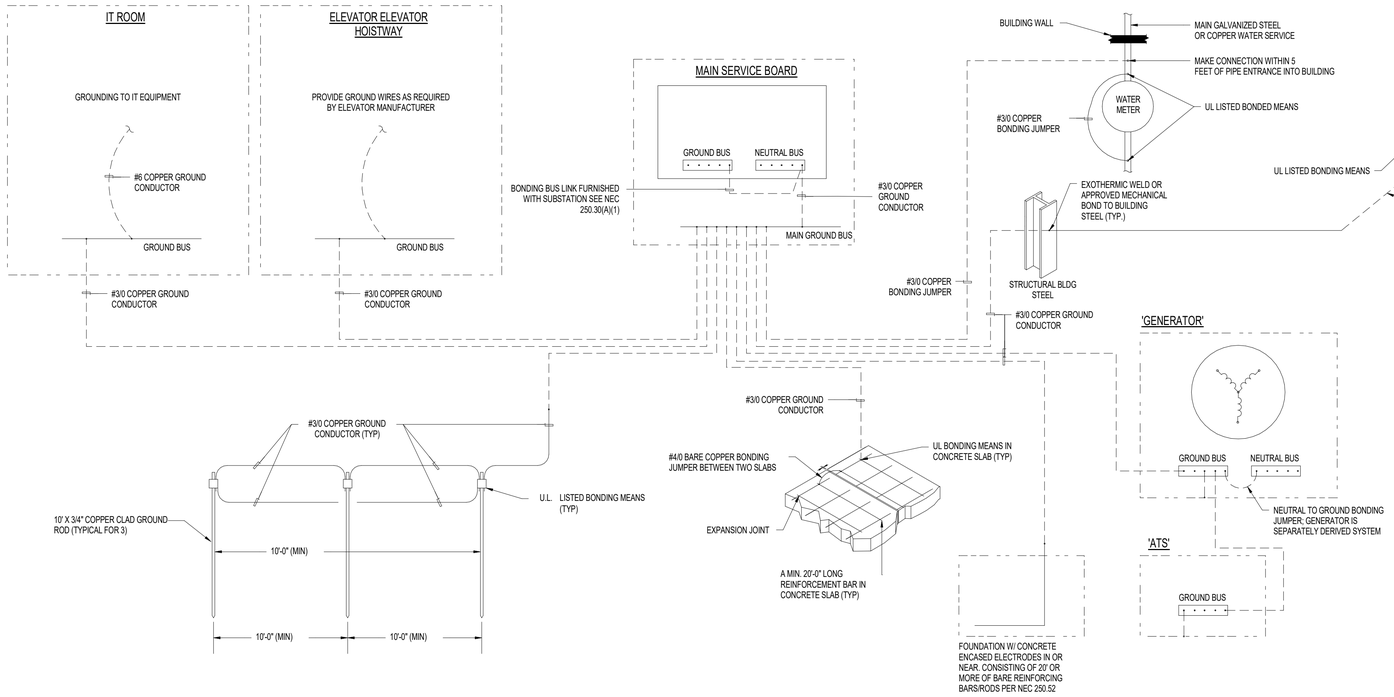
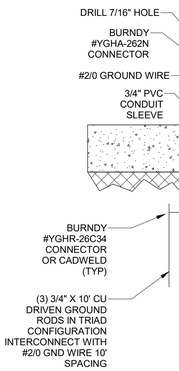


1 GROUNDING SYSTEMS DIAGRAM

E0.02 SCALE: NOT TO SCALE

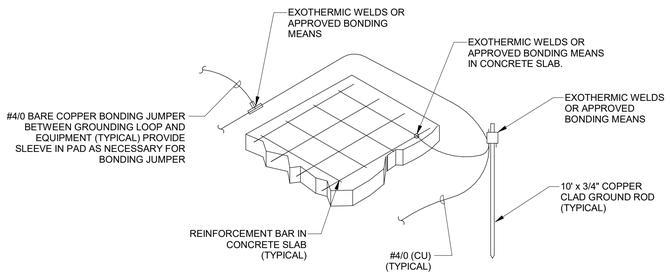
GROUNDING NOTES:

1. GROUNDING SYSTEM DIAGRAM IS TYPICAL AND IS INTENDED TO DEPICT THE GROUNDING AND BONDING OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM. ELECTRICAL CONTRACTOR SHALL APPLY THE MEANS AND METHODS SHOWN FOR THE ACTUAL BUILDING DISTRIBUTION SYSTEM WHERE APPLICABLE. ALL GROUNDING SYSTEM EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE - 2020.
2. THE GROUNDING ELECTRODE SYSTEM FOR THE BUILDING SHALL INCLUDE THE CONNECTION TO A MAIN METAL WATER PIPING SYSTEM, A DRIVEN GROUND ROD, A CONNECTION TO THE BUILDING STEEL, AND CONNECTION TO A CONCRETE ENCASED ELECTRODE.
3. REFER TO THE BUILDING SINGLE LINE DIAGRAM AND NEC 250.66 FOR THE SELECTED SIZE OF THE GROUNDING ELECTRODE CONDUCTOR.
4. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE AN INSULATED COPPER CONDUCTOR GREEN IN COLOR.
5. GROUNDED NEUTRAL CONDUCTORS SHALL BE AN INSULATED COPPER CONDUCTOR GRAY OR WHITE IN COLOR.
6. EQUIPMENT GROUNDING CONDUCTORS SHALL BE AN INSULATED COPPER CONDUCTOR GREEN IN COLOR.
7. BONDING JUMPERS WHERE REQUIRED PER THE NEC SHALL BE COPPER CONDUCTORS. BONDING JUMPERS LESS THAN SIX FEET IN LENGTH MAY BE BARE CONDUCTORS. JUMPERS LONGER THAN SIX FEET IN LENGTH SHALL BE INSTALLED IN RACEWAY AND SHALL BE INSULATED CONDUCTORS GREEN IN COLOR.
8. REFER TO THE NATIONAL ELECTRICAL CODE TABLE 250.122 FOR EQUIPMENT GROUNDING CONDUCTOR SIZING. WHERE NOT INDICATED IN THE GROUNDING SYSTEM DIAGRAM OR SHOWN ON THE BUILDING SINGLE LINE DIAGRAM.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING OF THE BUILDING STRUCTURAL STEEL IN ACCORDANCE THE PROJECT SPECIFICATIONS AND THE STRUCTURAL COLUMN GROUNDING SHOWN ON THE POWER PLANS.
10. INSTALL GROUNDING ELECTRODE SYSTEM PER NEC 250.53.
11. PER NEC 250.58, WHERE AN AC SYSTEM IS CONNECTED TO A GROUNDING ELECTRODE IN OR AT A BUILDING OR STRUCTURE, THE SAME ELECTRODE SHALL BE USED TO GROUND CONDUCTOR ENCLOSURES AND EQUIPMENT IN OR ON THAT BUILDING OR STRUCTURE. WHERE SEPARATE SERVICES, FEEDERS, OR BRANCH CIRCUITS SUPPLY A BUILDING AND ARE REQUIRED TO BE CONNECTED TO A GROUNDING ELECTRODE(S), THE SAME GROUNDING ELECTRODE(S) SHALL BE USED. TWO OR MORE GROUNDING ELECTRODES THAT ARE BONDED TOGETHER SHALL BE CONSIDERED AS A SINGLE GROUNDING ELECTRODE SYSTEM IN THIS SENSE.
12. EXPOSED, NORMALLY NON-CURRENT CARRYING METAL PARTS OF FIXED EQUIPMENT SUPPLIED BY OR ENCLOSING CONDUCTORS OR COMPONENTS THAT ARE LIKELY TO BECOME ENERGIZED SHALL BE CONNECTED TO AN EQUIPMENT GROUNDING CONDUCTOR AS REQUIRED BY NEC 250.110.
13. PIPING SYSTEMS AND EXPOSED STRUCTURAL METAL SHALL BE BONDED AS REQUIRED BY NEC 250.104.
14. PROVIDE BONDING JUMPER BETWEEN COLD AND HOT WATER PIPING AT EACH HOT WATER HEATER.



2 TYPICAL STEEL COLUMN GROUNDING

E0.02 SCALE: NOT TO SCALE



3 TYPICAL FOUNDATION PAD GROUNDING DETAIL

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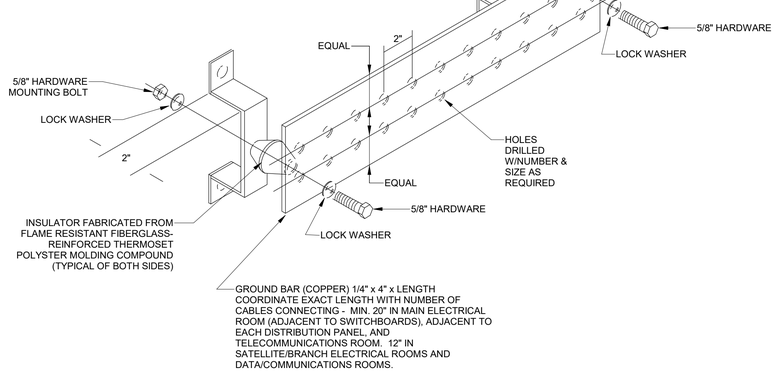

4 TYPICAL GROUND BAR DETAIL

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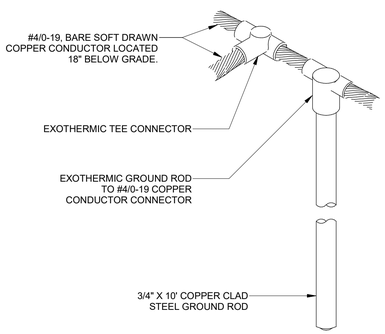

5 GROUNDING ROD DETAIL

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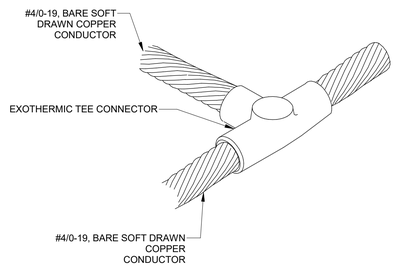

6 GROUNDING TAP DETAIL

E0.02 SCALE: NOT TO SCALE

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL GROUNDING DETAILS

Scale	*NOT TO SCALE*
Drawn by	*TJT*
Date	*08.28.26*

E0.02

Comission no. *25023O*

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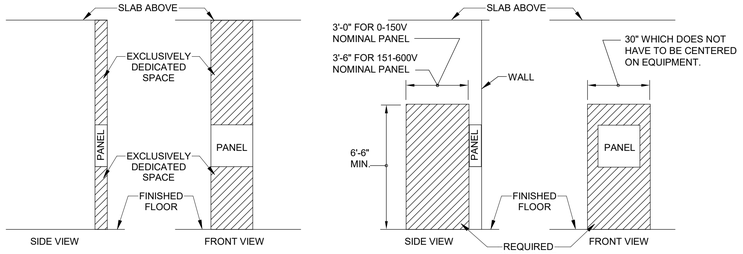
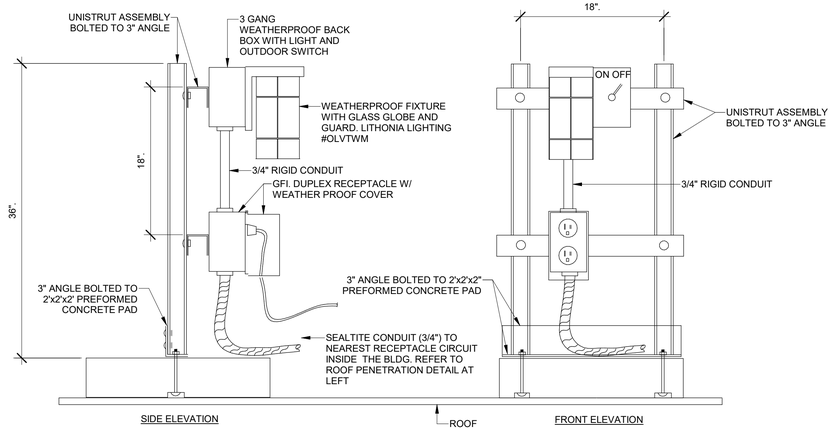


NOTE:

1. DISTANCE FROM FACE OF EQUIPMENT PER NEC 110.26 (A)(1): 3'-0" MINIMUM CLEARANCE FOR ELECTRICAL EQUIPMENT AT 208Y/120V. 3'-6" MINIMUM CLEARANCE FOR ELECTRICAL EQUIPMENT AT 480Y/277V. NOTE: MINIMUM CLEARANCE INCREASED TO 4'-0" FOR ELECTRICAL EQUIPMENT AT 480Y/277V IF THERE ARE EXPOSED LIVE PARTS ON BOTH SIDE OF THE WORKING SPACE. ELECTRICAL EQUIPMENT DOOR MUST BE ABLE TO OPEN TO 90 DEGREES MINIMUM.
2. DEDICATED EQUIPMENT SPACE, ABOVE AND BELOW THE ELECTRICAL EQUIPMENT, SHALL BE PROVIDED AS DESCRIBED IN NEC 110.26(E)(1). THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6'-0" ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE. SEE NEC 110.26 FOR EXCEPTIONS AND FURTHER INFORMATION.

1 TYPICAL PANELBOARD CLEARANCES

E0.03 SCALE: N.T.S.



2 TYPICAL ROOF MOUNTED RECEPTACLE AND LIGHT

E0.03 SCALE: N.T.S.

GENERAL ELECTRICAL NOTES

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4. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
5. ELECTRICAL CONTRACTOR TO CIRCUIT AND ROUTE WIRING TO MINIMIZE TOTAL RUN LENGTH.
6. ALL HVAC AND REFRIGERATION CIRCUIT BREAKERS TO BE HACR RATED.
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9. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
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11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
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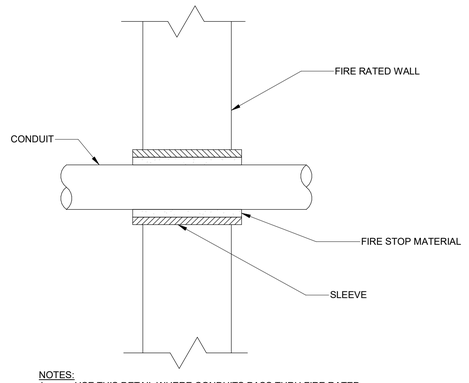
14. ALL EQUIPMENT AND EQUIPMENT ENCLOSURES SHALL BE PROPERLY BONDED AND GROUNDED PER NEC ARTICLE 250.
15. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 - DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

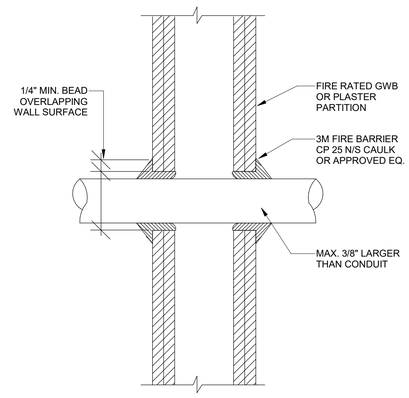


NOTES:

1. USE THIS DETAIL WHERE CONDUITS PASS THRU FIRE RATED WALL.
2. WHERE CONDUITS PASS THRU FOUNDATION WALLS, FLOOR SLAB ON EARTH, ROOF CONCRETE BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES.
3. FIRESTOPPING OF CONDUIT PENETRATIONS SHALL UTILIZE THE CORRECT UL STANDARD FOR THE SPECIFIC WALL/FLOOR/CEILING TYPES AND RATINGS.

3 TYPICAL CONDUIT PENETRATION DETAIL #1

E0.03 SCALE: N.T.S.



NOTES:

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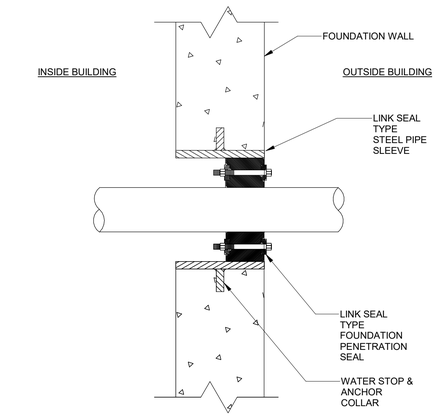
4 TYPICAL CONDUIT PENETRATION DETAIL #2

E0.03 SCALE: N.T.S.

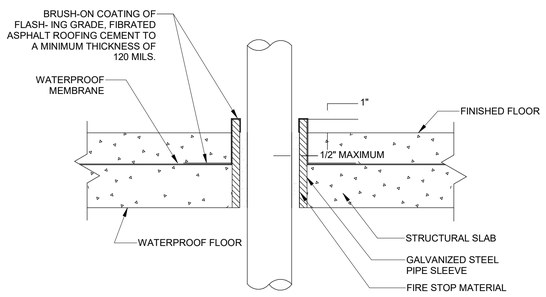


NOTES:

1. FOR SLEEVE DIAMETER USE MANUFACTURER'S SIZE RECOMMENDATION.
2. FIRESTOPPING OF CONDUIT PENETRATIONS SHALL UTILIZE THE CORRECT UL STANDARD FOR THE SPECIFIC WALL/FLOOR/CEILING TYPES AND RATINGS.

5 TYPICAL CONDUIT PENETRATION DETAIL #3

E0.03 SCALE: N.T.S.

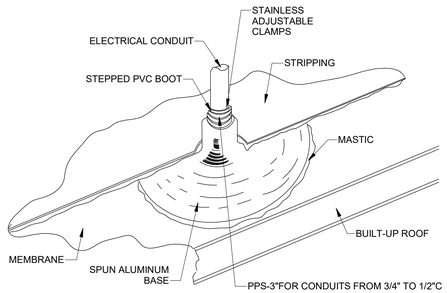


NOTES:

1. USE THIS DETAIL WHERE CONDUITS PENETRATE A WATERPROOF SLAB, EG, TOILETS, BATHROOMS, KITCHENS, JANITORS CLOSET, ECT.
2. FIRESTOPPING OF CONDUIT PENETRATIONS SHALL UTILIZE THE CORRECT UL STANDARD FOR THE SPECIFIC WALL/FLOOR/CEILING TYPES AND RATINGS.

6 TYPICAL CONDUIT PENETRATION DETAIL #4

E0.03 SCALE: N.T.S.



7 TYPICAL CONDUIT ROOF PENETRATION

E0.03 SCALE: N.T.S.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL DETAILS

Scale	NOT TO SCALE
Drawn by	TJT
Date	08.28.26

E0.03

Comission no. 25023O

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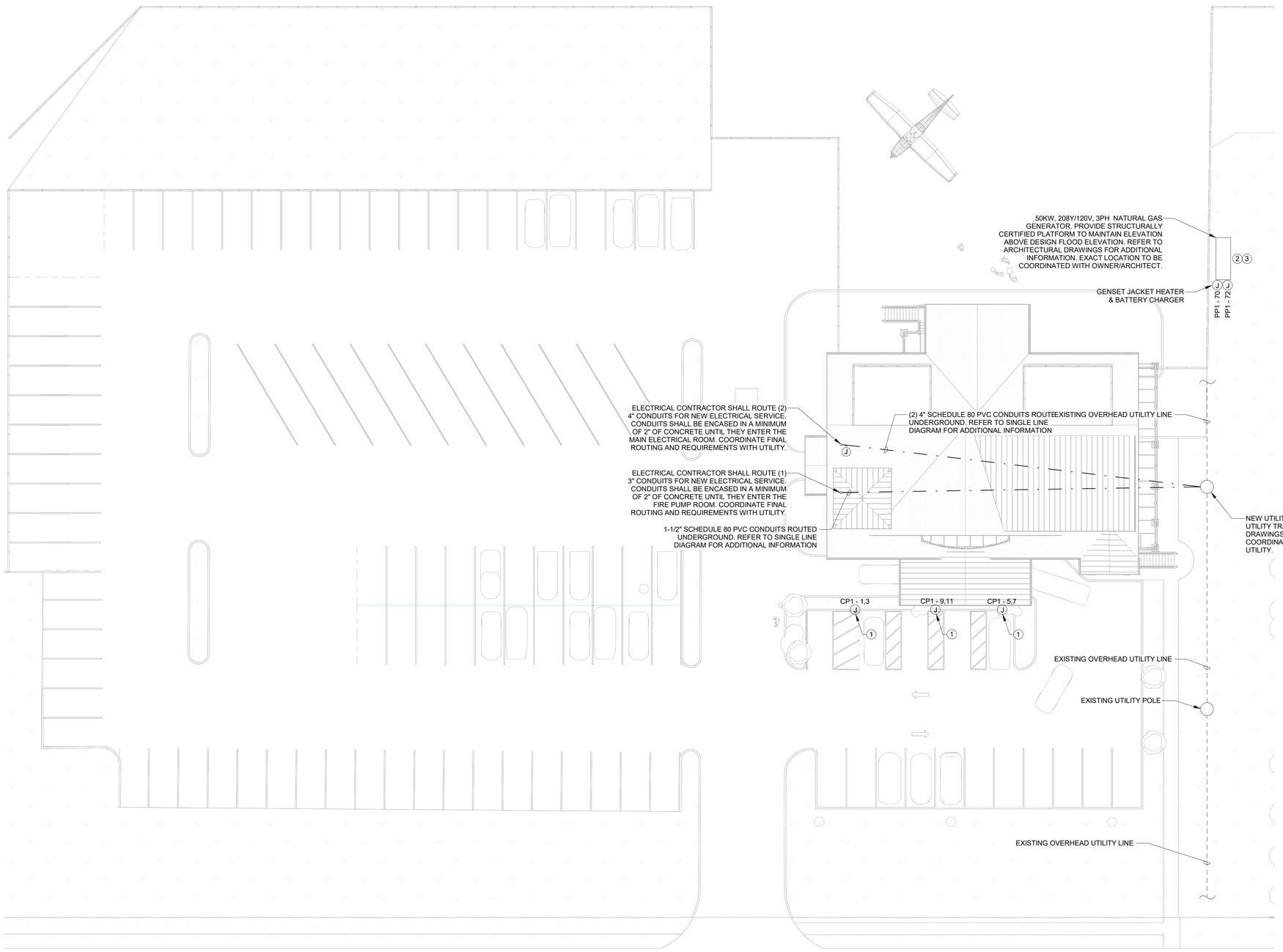

1 E1.01 ELECTRICAL SITE PLAN

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

0' 4' 8' 16' 32'

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

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ELECTRICAL KEYNOTES	
KEYNOTE NUMBER	KEYNOTE
1	MAKE-READY VEHICLE CHARGER STATION: ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRING AND CONDUIT TO STUB-UP LOCATION AS INDICATED ON PLANS FOR CONNECTION TO FUTURE LEVEL 2 VEHICLE CHARGER. PROVIDE LABEL FOR CIRCUIT AND "FUTURE LEVEL 2 EV CHARGER" IDENTIFICATION.
2	COORDINATE EXACT LOCATION OF NEW GENERATOR AND ASSOCIATED PLATFORM WITH ARCHITECT/OWNER. PROVIDE 200' OF CONDUIT AND CONDUCTORS AS INDICATED ON SINGLE LINE DIAGRAM TO ACCOMMODATE FEEDER ROUTING.
3	ADD/ALT #1: PROVIDE SEPARATE LINE ITEM PRICING TO FURNISH AND INSTALL NEW OPTIONAL STANDBY GENERATOR (130KW NATURAL GAS, 208Y/120V, 3PH, 4W) AND ASSOCIATED EQUIPMENT/WIRING AS INDICATED ON THE SINGLE LINE DIAGRAM.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL SITE PLAN

Scale	*As indicated*
Drawn by	*TJT*
Date	*08.28.26*

E1.01

Comission no. 25023O

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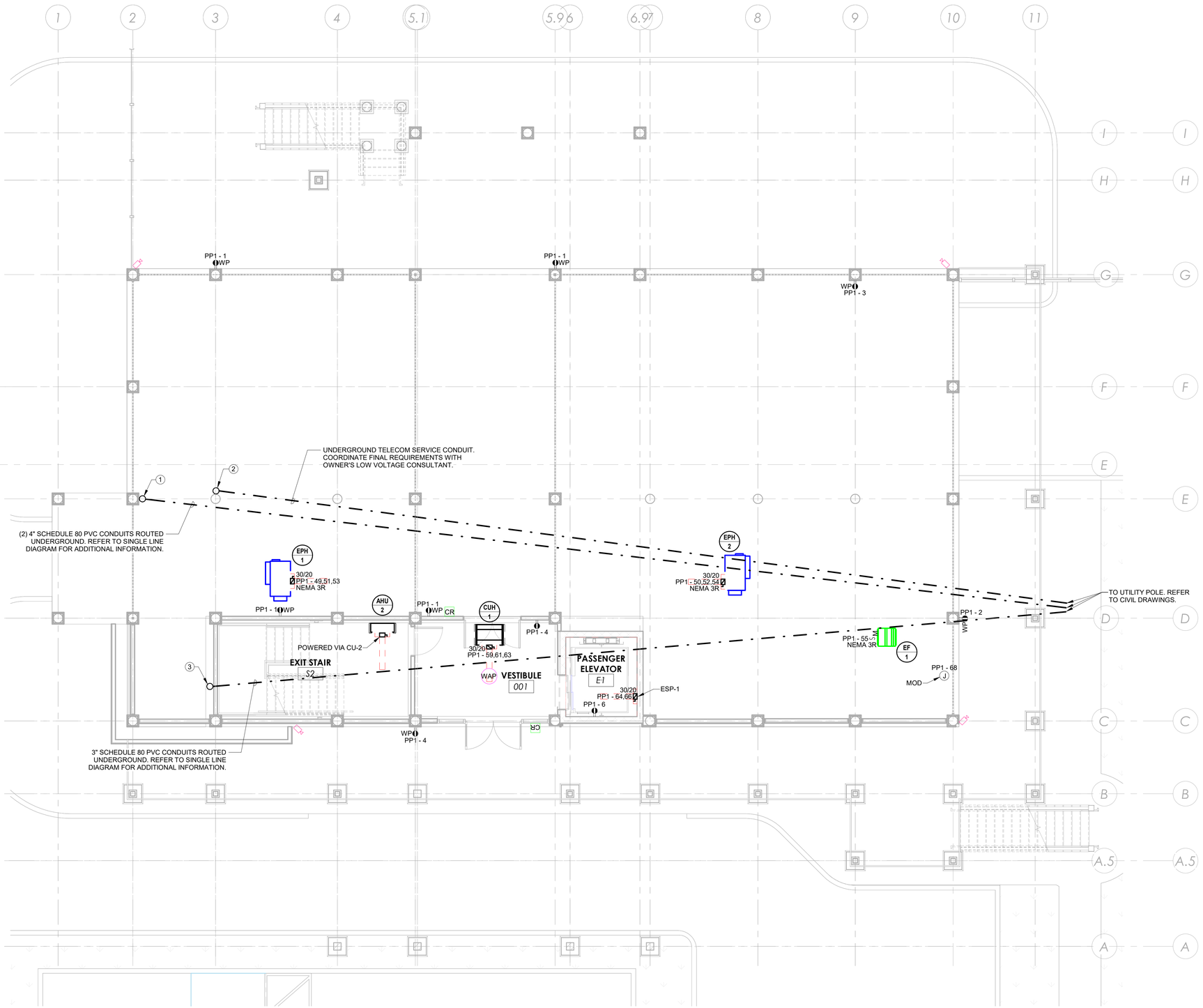

1 E1.11 ELECTRICAL CRAWLSPACE POWER PLAN

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

SCALE BAR: 3/16"=1'-0" (0' 1' 2' 4' 6' 12')

GENERAL ELECTRICAL NOTES

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16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

ELECTRICAL KEYNOTES	
KEYNOTE NUMBER	KEYNOTE
1	ELECTRICAL CONTRACTOR SHALL ROUTE (2) 4" CONDUITS FOR NEW ELECTRICAL SERVICE. CONDUITS SHALL BE ENCASED IN A MINIMUM OF 2" OF CONCRETE UNTIL THEY ENTER THE MAIN ELECTRICAL ROOM. COORDINATE FINAL ROUTING AND REQUIREMENTS WITH UTILITY.
2	STUB UP TO TELECOMMUNICATIONS FRAME IN STORAGE ROOM 104 ABOVE. COORDINATE FINAL ROUTING AND REQUIREMENTS WITH OWNER'S LOW VOLTAGE CONSULTANT.
3	ELECTRICAL CONTRACTOR SHALL ROUTE (1) 3" CONDUIT FOR NEW FIRE PUMP ELECTRICAL SERVICE. CONDUITS SHALL BE ENCASED IN A MINIMUM OF 2" OF CONCRETE UNTIL THEY ENTER THE FIRE PUMP ROOM. COORDINATE FINAL ROUTING AND REQUIREMENTS WITH UTILITY.

william mclees architecture
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t:609.927.0888 | f: 609.927.0889
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL CRAWLSPACE POWER PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.11

Comission no. 25023O

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BID ISSUE

No.	Description	Date

ELECTRICAL FIRST FLOOR POWER PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.12

Comission no. 25023O

1 E1.12 ELECTRICAL FIRST FLOOR POWER PLAN
SCALE: 3/16" = 1'-0"
SCALE BAR: 3/16"=1'-0"

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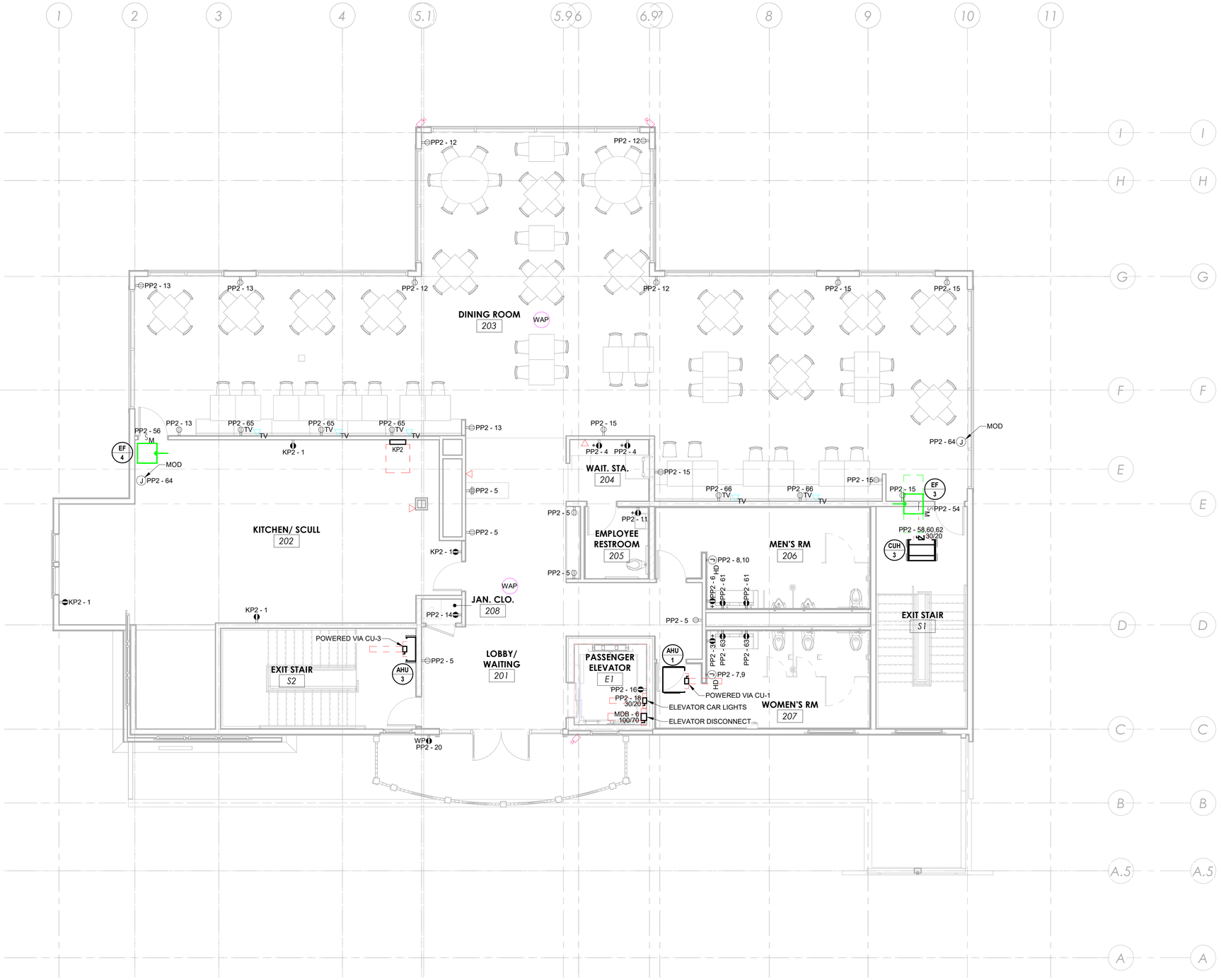

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1 E1.13 ELECTRICAL SECOND FLOOR POWER PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL SECOND FLOOR POWER PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.13

Comission no. 25023O

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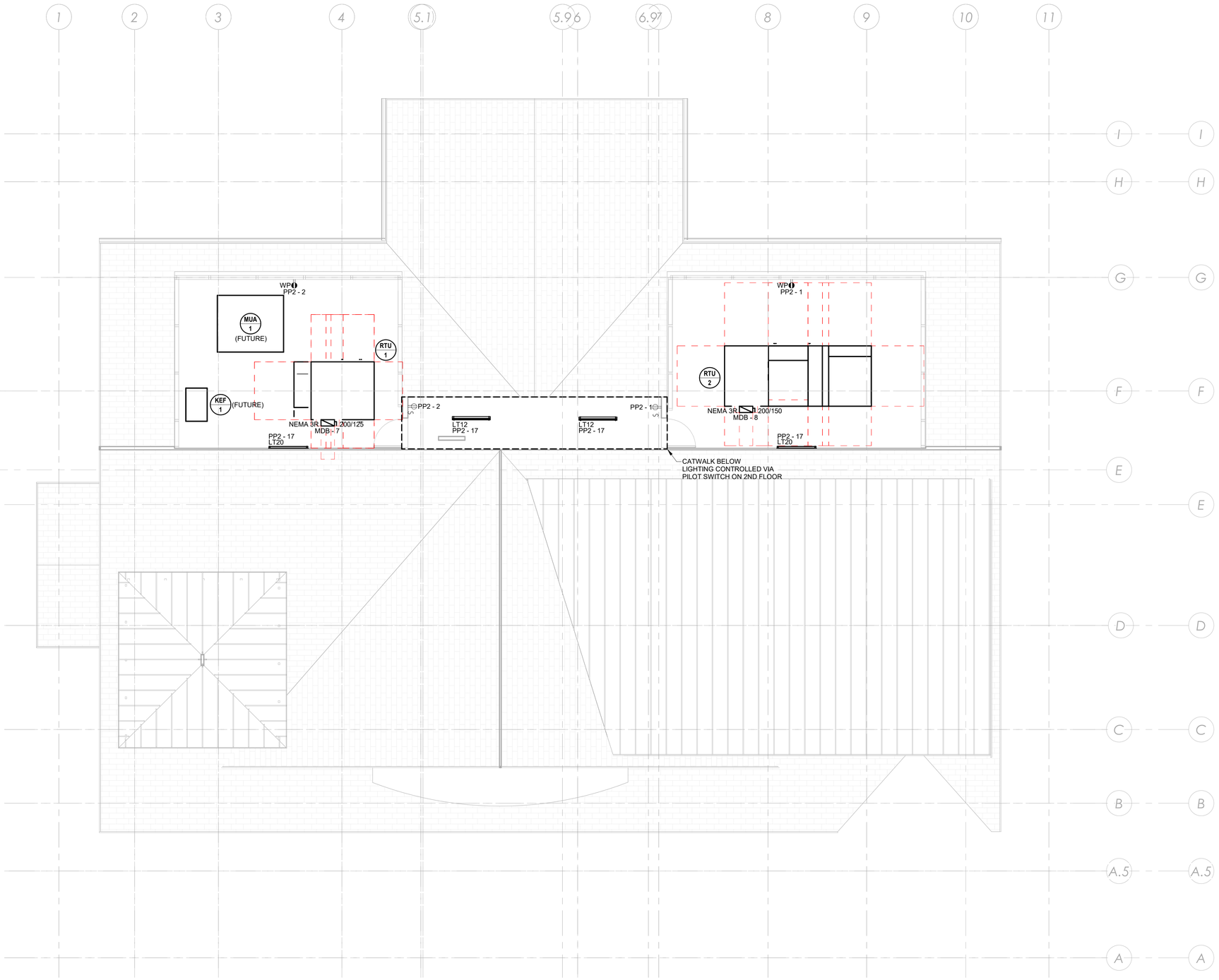

1 E1.14 ELECTRICAL ROOF POWER PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

GENERAL ELECTRICAL NOTES

1. REFER TO ELECTRICAL SHEET E0.00 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
3. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS
4. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
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6. ALL HVAC AND REFRIGERATION CIRCUIT BREAKERS TO BE HACR RATED.
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8. INSTALLATION OF ELECTRIC PANELS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 408.
9. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
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13. PROVIDE GROUNDING ELECTRODE CONDUCTORS AND BONDING JUMPERS FOR ALL DRY TYPE TRANSFORMERS. SEE DETAILS FOR REQUIREMENTS.
14. ALL EQUIPMENT AND EQUIPMENT ENCLOSURES SHALL BE PROPERLY BONDED AND GROUNDED PER NEC ARTICLE 250.
15. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 - DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL ROOF POWER PLAN

Scale	*As indicated*
Drawn by	*TJT*
Date	*08.28.26*

E1.14

Comission no. *25023O*

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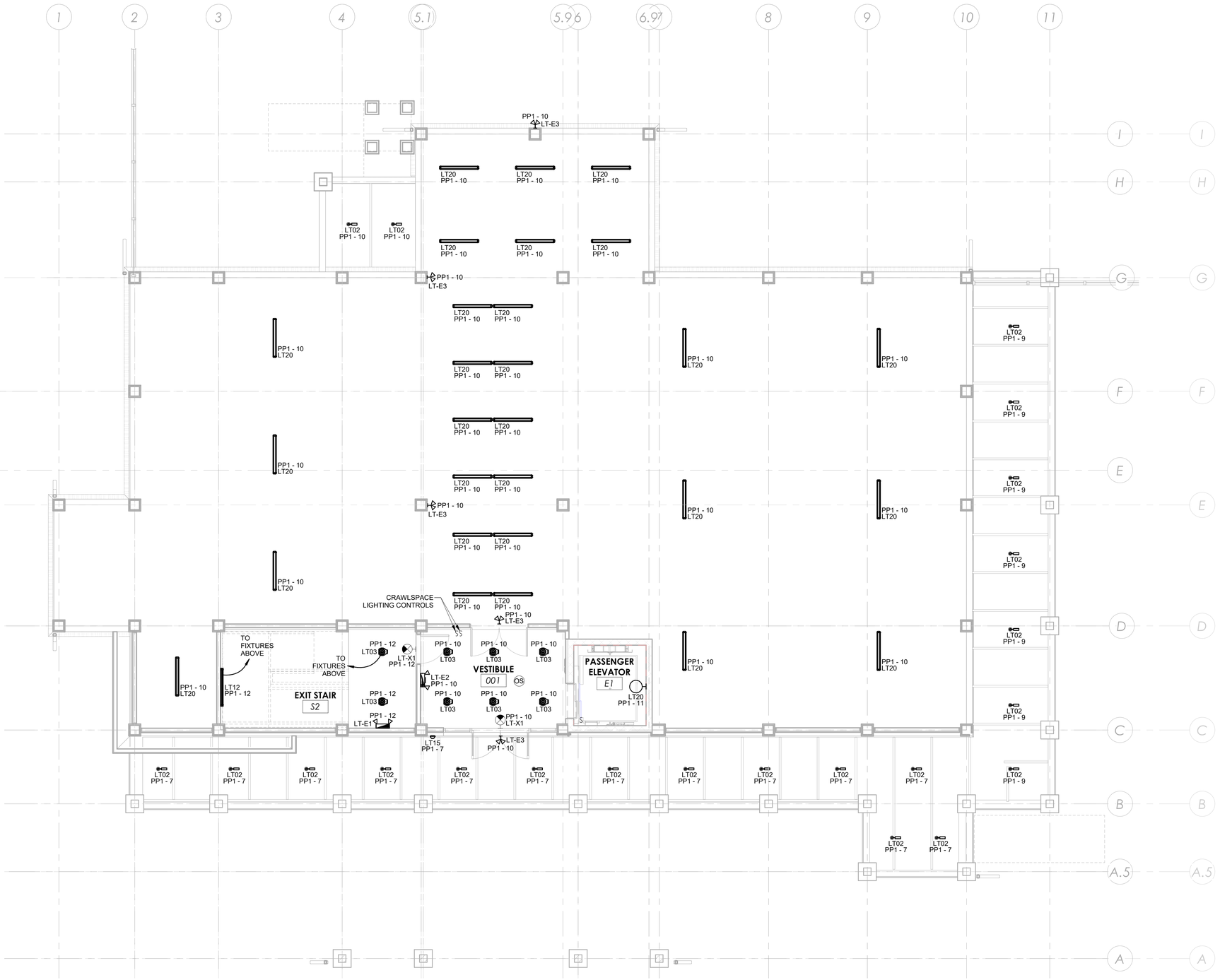

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16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

1 E1.21 ELECTRICAL CRAWLSPACE LIGHTING PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL
CRAWLSPACE
LIGHTING PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.21

Comission no. 25023O

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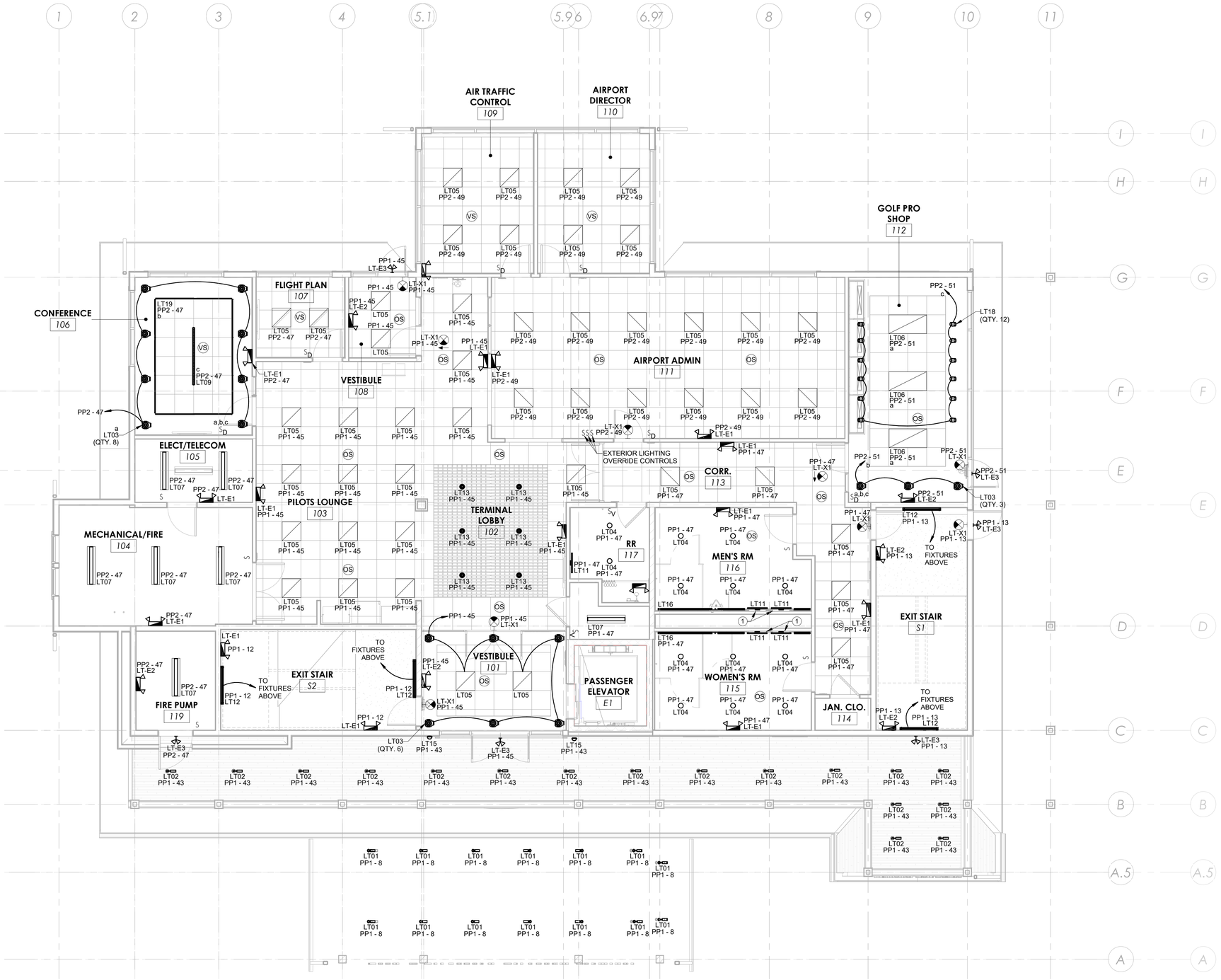

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16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

ELECTRICAL KEYNOTES	
KEYNOTE NUMBER	KEYNOTE
1	LED BACKLIT MIRROR TO BE POWERED AND CONTROLLED VIA LIGHTING CIRCUIT.

1 E1.22 ELECTRICAL FIRST FLOOR LIGHTING PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
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BID ISSUE

No.	Description	Date

ELECTRICAL FIRST FLOOR LIGHTING PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.22

Comission no. 25023O

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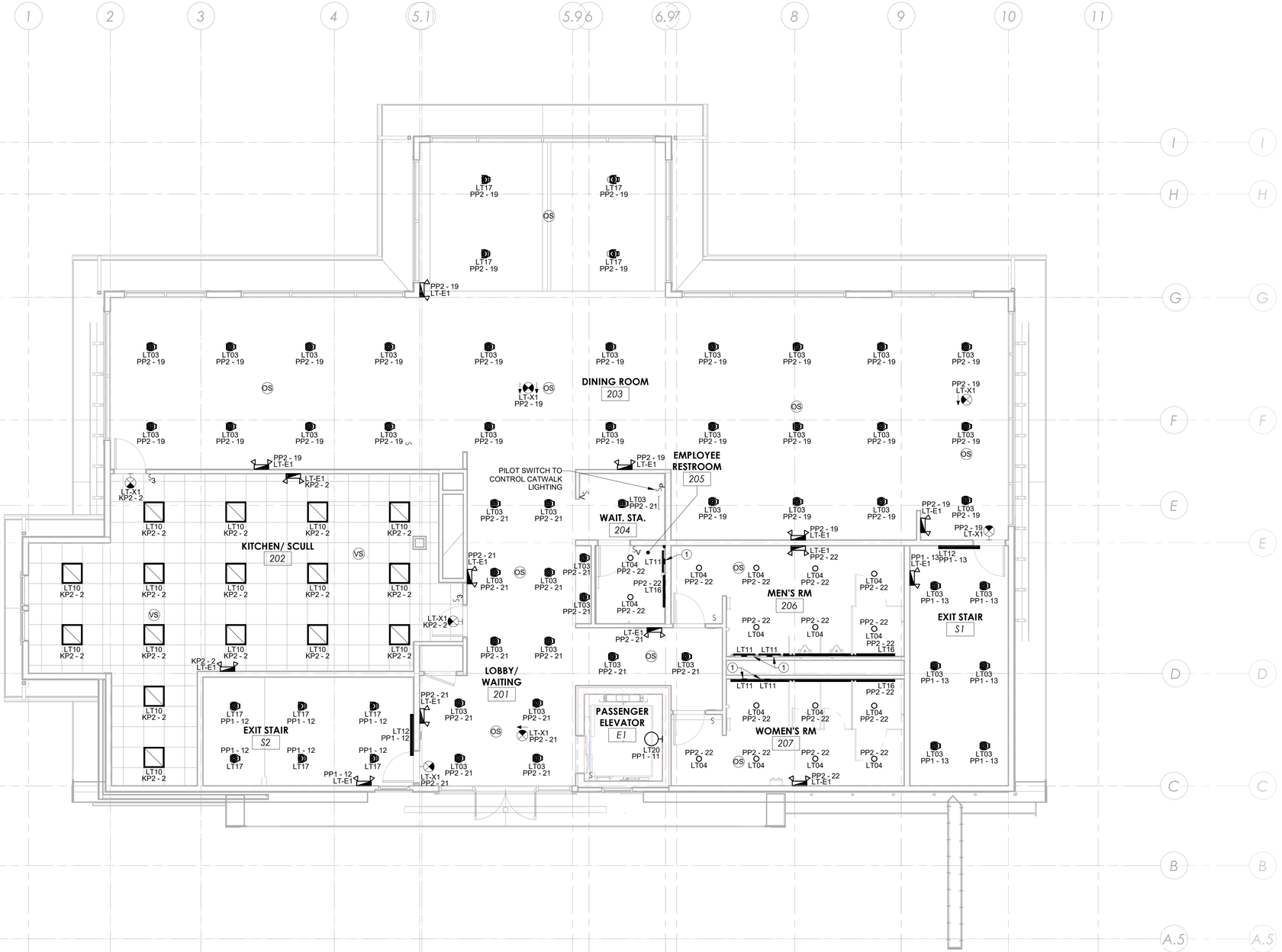

1 E1.23 ELECTRICAL SECOND FLOOR LIGHTING PLAN

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

SCALE BAR: 3/16"=1'-0"

GENERAL ELECTRICAL NOTES

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ELECTRICAL KEYNOTES	
KEYNOTE NUMBER	KEYNOTE
1	LED BACKLIT MIRROR TO BE POWERED AND CONTROLLED VIA LIGHTING CIRCUIT.

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OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL SECOND FLOOR LIGHTING PLAN

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E1.23

Comission no. 25023O

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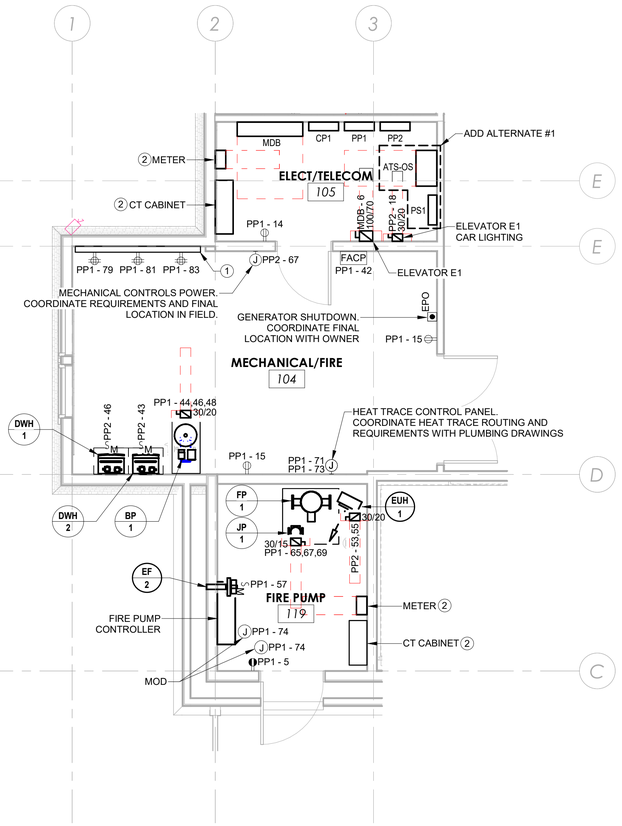

1 ENLARGED ELECTRICAL & MECHANICAL ROOM PLAN

E2.01 SCALE: 1/4" = 1'-0"

GENERAL ELECTRICAL NOTES

1. REFER TO ELECTRICAL SHEET E0.00 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS.
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ELECTRICAL KEYNOTES	
KEYNOTE NUMBER	KEYNOTE
1	PROVIDE FIRE RETARDANT PLYWOOD ALONG WALL FOR MOUNTING OF TELECOMMUNICATIONS, SECURITY, AND IT EQUIPMENT: 7' WIDE AND FLOOR TO 8' HIGH ALONG WALL INDICATED. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH OWNER.
2	COORDINATE METER AND CT CABINET REQUIREMENTS WITH UTILITY.

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2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL
ENLARGED PLANS

Scale	As indicated
Drawn by	TJT
Date	08.28.26

E2.01

Comission no. 25023O

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8/28/2026 11:10:04 AM

Distribution Panel: MDB

Location: ELECT/TELECOM 105 | **Volts:** 208Y/120V | **A.I.C. Rating:** 42kA
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 800 A
Enclosure: NEMA 1 | **MCB Rating:** 800 A

CKT	Circuit Description	# of Poles	Trip Rating	Wire Size (H,N,G)	Conduit Size	Load	Remarks
1	SPD	3	60 A	--		0 VA	
2	PP1	3	225 A	3-#4/0, 1-#4/0, 1-#4	2-1/2"	58684 VA	
3	PP2	3	225 A	3-#4/0, 1-#4/0, 1-#4	2-1/2"	73059 VA	
4	KP2	3	225 A	3-#4/0, 1-#4/0, 1-#4	2-1/2"	1248 VA	
5	CP1	3	225 A	3-#4/0, 1-#4/0, 1-#4	2-1/2"	21600 VA	
6	PASSENGER ELEVATOR E1	3	70 A	3-#4, 1-#4, 1-#8	1-1/4"	17400 VA	
7	RTU-1	3	125 A	3-#1/0, 1-#1/0, 1-#6	2"	30187 VA	
8	RTU-2	3	150 A	3-#1/0, 1-#1/0, 1-#6	2"	36963 VA	
9	ATS-OS	3	250 A	3-#250, 1-#250, 1-#4	3"	0 VA	ADD ALTERNATE #1
10	SPARE	3	100 A	--		0 VA	225A FRAME
						239141 VA	
						664 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	112541 VA	108.21%	121782 VA		
Heating	26300 VA	100.00%	26300 VA	**Total Conn. Load:**	239141 VA
Motor	24617 VA	117.67%	28967 VA	**Total Est. Demand:**	256142 VA
Receptacle	17460 VA	78.64%	13730 VA	**Total Conn.:**	664 A
Lighting	6978 VA	125.00%	8722 VA	**Total Est. Demand:**	711 A
Non-Continuous	29660 VA	100.00%	29660 VA		
Continuous	21600 VA	125.00%	27000 VA		

Notes:

Branch Panel: CP1

Location: ELECT/TELECOM 105 | **Volts:** 208Y/120V | **A.I.C. Rating:** 42kA
Supply From: MDB | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: NEMA 1 | **Feed Through Lugs:** No | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A		B		C		Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT
1	SINGLE PORT LEVEL 2 EV CHARGER (MAKE-READY)	40 A	2	2-#8, 1-#8, 1-#10	1"	3600 VA	0 VA						--	2	40 A	SPARE	2
3								3600 VA	0 VA								4
5	SINGLE PORT LEVEL 2 EV CHARGER (MAKE-READY)	40 A	2	2-#6, 1-#6, 1-#6	1"					3600 VA	0 VA		--	2	40 A	SPARE	6
7						3600 VA	0 VA										8
9	DUAL PORT LEVEL 2 EV CHARGER (MAKE-READY)	40 A	2	2-#8, 1-#8, 1-#10	1"			3600 VA	0 VA				--	1	20 A	SPARE	10
11										3600 VA	0 VA		--	1	20 A	SPARE	12
13	SPACE	--	1	--		--	--						--	1	--	SPACE	14
15	SPACE	--	1	--				--	--				--	1	--	SPACE	16
17	SPACE	--	1	--						--	--		--	1	--	SPACE	18
19	SPACE	--	1	--		--	--						--	1	--	SPACE	20
21	SPACE	--	1	--				--	--				--	1	--	SPACE	22
23	SPACE	--	1	--						--	--		--	1	--	SPACE	24
25	SPACE	--	1	--		--	--						--	1	--	SPACE	26
27	SPACE	--	1	--				--	--				--	1	--	SPACE	28
29	SPACE	--	1	--						--	--		--	1	--	SPACE	30
					Total Load:	7200 VA		7200 VA		7200 VA							
					Total Amps:	60 A		60 A		60 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Continuous	21600 VA	125.00%	27000 VA		
				Total Conn. Load:	21600 VA
				Total Est. Demand:	27000 VA
				Total Conn.:	60 A
				Total Est. Demand:	75 A

Notes:

Branch Panel: KP2

Location: KITCHEN/ SCULL 202 | **Volts:** 208Y/120V | **A.I.C. Rating:** 42kA
Supply From: MDB | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: NEMA 1 | **Feed Through Lugs:** No | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A		B		C		Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT
1	RECEPT - KITCHEN/ SCULL 202	20 A	1	1-#12, 1-#12, 1-#12	3/4"	720 VA	528 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	LTG - KITCHEN/SCULL 202	2
3	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	4
5	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	6
7	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	8
9	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	10
11	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	12
13	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	14
15	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	16
17	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	18
19	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	20
21	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	22
23	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	24
25	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	26
27	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	28
29	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	30
31	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	32
33	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	34
35	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	36
37	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	38
39	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	40
41	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	42
43	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	44
45	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	46
47	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	48
49	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	50
51	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	52
53	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	54
					Total Load:	1248 VA		0 VA		0 VA							
					Total Amps:	10 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	720 VA	100.00%	720 VA		
Lighting	528 VA	125.00%	660 VA	**Total Conn. Load:**	1248 VA
				Total Est. Demand:	1380 VA
				Total Conn.:	3 A
				Total Est. Demand:	4 A

Notes:

GENERAL ELECTRICAL NOTES

1. REFER TO ELECTRICAL SHEET E0.00 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
3. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS
4. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
5. ELECTRICAL CONTRACTOR TO CIRCUIT AND ROUTE WIRING TO MINIMIZE TOTAL RUN LENGTH.
6. ALL HVAC AND REFRIGERATION CIRCUIT BREAKERS TO BE HACR RATED.
7. WHERE WALLS AND PARTITIONS ARE REQUIRED TO HAVE A MINIMUM 1-HOUR FIRE RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED. STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA ARE ACCEPTABLE PROVIDED THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA. OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES.
8. INSTALLATION OF ELECTRIC PANELS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 408.
9. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES / FUSES, AS REQUIRED BY CODE, WHETHER OR NOT THEY ARE INDICATED ON THE PLANS.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
12. EXPOSED EMT, CONDUIT AND SURFACE MOUNTED WIRING ARE NOT PERMITTED IN ANY FINISHED SPACE.
13. PROVIDE GROUNDING ELECTRODE CONDUCTORS AND BONDING JUMPERS FOR ALL DRY TYPE TRANSFORMERS. SEE DETAILS FOR REQUIREMENTS.
14. ALL EQUIPMENT AND EQUIPMENT ENCLOSURES SHALL BE PROPERLY BONDED AND GROUNDED PER NEC ARTICLE 250.
15. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 - DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL PANEL SCHEDULES

Scale	*NOT TO SCALE*
Drawn by	*TJT*
Date	*08.28.26*

E3.01

Comission no. 25023O

C:\Users\tfarney\Documents\V23\OC AIRPORT - ELEC R25_tfarneyDARX6.rvt

8/28/2026 11:10:05 AM

Branch Panel: PP1

Location: ELECT/TELECOM 105 | **Volts:** 208Y/120V | **A.I.C. Rating:** 42kA
Supply From: MDB | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: NEMA 1 | **Feed Through Lugs:** No | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A		B		C		Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT
1	RECEPT - EXTERIOR WEST	20 A	1	1-#12, 1-#12, 1-#12	3/4"	720 VA	180 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - CRAWLSPACE	2
3	RECEPT - EXTERIOR EAST	20 A	1	1-#12, 1-#12, 1-#12	3/4"			180 VA	360 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - VESTIBULE 001 & EXTERIOR	4
5	RECEPT - FIRE PUMP 119	20 A	1	1-#12, 1-#12, 1-#12	3/4"					180 VA	180 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - PASSENGER ELEVATOR-1 E1-1	6
7	LTG - GROUND FLOOR EXTERIOR SOUTH	20 A	1	1-#12, 1-#12, 1-#12	3/4"	123 VA	112 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	LTG - CANOPY	8
9	LTG - GROUND FLOOR EXTERIOR EAST	20 A	1	1-#12, 1-#12, 1-#12	3/4"			56 VA	226 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	LTG - VESTIBULE 001 & CRAWLSPACE	10
11	LTG - PASSENGER ELEVATOR-1 E1-1	20 A	1	1-#12, 1-#12, 1-#12	3/4"					72 VA	270 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	LTG - EXIT STAIR S2	12
13	LTG - EXIT STAIR-2 S1-2	20 A	1	1-#12, 1-#12, 1-#12	3/4"	380 VA	180 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - ELECT/TELECOM 105	14
15	RECEPT - MECHANICAL 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"			360 VA	1400 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - RMS 101, 102, 103, 108, 118	16
17	FLOORBOX - CONFERENCE 106	20 A	1	1-#12, 1-#12, 1-#12	3/4"					360 VA	1400 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - CONFERENCE 106	18
19	RECEPT - FLIGHT PLAN 107	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1360 VA	180 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - 1ST FLOOR NORTH EXTERIOR	20
21	COFFEE MAKER - PILOTS LOUNGE 103	20 A	1	1-#12, 1-#12, 1-#12	3/4"			1000 VA	1000 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	MICROWAVE - PILOTS LOUNGE 103	22
23	(G) VENDING MACHINE - PILOTS LOUNGE 103	20 A	1	1-#12, 1-#12, 1-#12	3/4"					1000 VA	1000 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	(G) VENDING MACHINE - PILOTS LOUNGE 103	24
25	RECEPT - AIRPORT DIRECTOR 110	20 A	1	1-#10, 1-#10, 1-#10	3/4"	1540 VA	1540 VA					3/4"	1-#10, 1-#10, 1-#10	1	20 A	RECEPT - AIR TRAFFIC CONTROL 109	26
27	RECEPT - AIRPORT ADMIN 111	20 A	1	1-#12, 1-#12, 1-#12	3/4"			1360 VA	1180 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - AIRPORT ADMIN 111	28
29	RECEPT - AIRPORT ADMIN 111	20 A	1	1-#12, 1-#12, 1-#12	3/4"					1180 VA	1400 VA	3/4"	1-#10, 1-#10, 1-#10	1	20 A	RECEPT - RMS 101, 102, 113, 118	30
31	RECEPT - GOLF PRO SHOP 112	20 A	1	1-#10, 1-#10, 1-#10	3/4"	1220 VA	360 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	FLOORBOX - GOLF PRO SHOP 112	32
33	RECEPT - 1ST FLOOR EXTERIOR SOUTHWEST	20 A	1	1-#12, 1-#12, 1-#12	3/4"			360 VA	180 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - RR 117	34
35	RECEPT - MEN'S RM 116	20 A	1	1-#12, 1-#12, 1-#12	3/4"					180 VA	180 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - WOMEN'S RM 115	36
37	HAND DRYER - MEN'S RM 116	20 A	2	2-#12, 1-#12, 1-#12	3/4"	950 VA	950 VA					3/4"	2-#12, 1-#12, 1-#12	2	20 A	HAND DRYER - WOMEN'S RM 115	38
39								950 VA	950 VA								40
41	RECEPT - JAN. CLO. 114	20 A	1	1-#12, 1-#12, 1-#12	3/4"					180 VA	240 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	FACP - ELECT/TELECOM 204	42
43	LTG - FIRST FLOOR SOUTH EXTERIOR	20 A	1	1-#12, 1-#12, 1-#12	3/4"	174 VA	942 VA					3/4"	3-#12, 1-#12, 1-#12	3	20 A	BP-1	44
45	LTG - RMS 101, 102, 103, 108	20 A	1	1-#12, 1-#12, 1-#12	3/4"			902 VA	942 VA								46
47	LTG - RMS 113, 115, 116, 117	20 A	1	1-#12, 1-#12, 1-#12	3/4"					624 VA	942 VA						48
49	EPH-1	20 A	3	3-#12, 1-#12, 1-#12	3/4"	1667 VA	1667 VA					3/4"	3-#12, 1-#12, 1-#12	3	20 A	EPH-2	50
51								1667 VA	1667 VA								52
53										1667 VA	1667 VA						54
55	EF-1	15 A	1	1-#12, 1-#12, 1-#12	3/4"	528 VA	965 VA					3/4"	2-#12, 1-#12, 1-#12	2	15 A	CU-1	56
57	EF-2	15 A	1	1-#12, 1-#12, 1-#12	3/4"			528 VA	965 VA								58
59	CUH-1	20 A	3	3-#12, 1-#12, 1-#12	3/4"					1333 VA	965 VA	3/4"	2-#12, 1-#12, 1-#12	2	15 A	CU-3	60
61						1333 VA	965 VA										62
63								1333 VA	458 VA			3/4"	2-#12, 1-#12, 1-#12	2	20 A	ESP-1	64
65	JP-1	15 A	3	3-#12, 1-#12, 1-#12	3/4"					288 VA	458 VA						66
67						288 VA	100 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	MOD - CRAWLSPACE	68
69								288 VA	1500 VA			3/4"	1-#8, 1-#8, 1-#8	1	20 A	GENSET JACKET HEATER	70
71	HEAT TRACE - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"					1000 VA	360 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	GENSET BATTERY CHARGER	72
73	HEAT TRACE - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1000 VA	200 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	MOD - FIRST FLOOR	74
75	AOR (MASTER STATION) AIRPORT ADMIN 111	20 A	1	1-#12, 1-#12, 1-#12	3/4"			200 VA	0 VA				--	1	20 A	SPARE	76
77	FA ANNUNCIATOR - VESTIBULE 001	20 A	1	1-#12, 1-#12, 1-#12	3/4"					500 VA	0 VA		--	1	20 A	SPARE	78
79	RECEPT - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"	480 VA	0 VA						--	1	20 A	SPARE	80
81	RECEPT - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"			480 VA	0 VA				--	1	20 A	SPARE	82
83	RECEPT - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"					480 VA	0 VA		--	1	20 A	SPARE	84
				Total Load:		20098 VA		20485 VA		18100 VA							
				Total Amps:		170 A		173 A		151 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3860 VA	112.50%	4343 VA		
Heating	15500 VA	100.00%	15500 VA	**Total Conn. Load:**	58684 VA
Motor	5961 VA	111.85%	6668 VA	**Total Est. Demand:**	60603 VA
Receptacle	9540 VA	100.00%	9540 VA	**Total Conn.:**	163 A
Lighting	2934 VA	125.00%	3668 VA	**Total Est. Demand:**	168 A
Non-Continuous	20900 VA	100.00%	20900 VA		

Notes:

Branch Panel: PP2

Location: ELECT/TELECOM 105 | **Volts:** 208Y/120V | **A.I.C. Rating:** 42kA
Supply From: MDB | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: NEMA 1 | **Feed Through Lugs:** No | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A		B		C		Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT
1	RECEPT - ROOF	20 A	1	1-#12, 1-#12, 1-#12	3/4"	360 VA	360 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - ROOF	2
3	RECEPT - WOMEN'S RM 307	20 A	1	1-#12, 1-#12, 1-#12	3/4"			180 VA	360 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - WAIT. STA. 304	4
5	RECEPT - LOBBY/ WAITING 301	20 A	1	1-#10, 1-#10, 1-#10	3/4"					1400 VA	180 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - MEN'S RM 306	6
7	HAND DRYER - WOMEN'S RM 307	20 A	2	2-#12, 1-#12, 1-#12	3/4"	950 VA	950 VA					3/4"	2-#12, 1-#12, 1-#12	2	20 A	HAND DRYER - MEN'S RM 306	8
9								950 VA	950 VA								10
11	RECEPT - EMPLOYEE RESTROOM 305	20 A	1	1-#12, 1-#12, 1-#12	3/4"					180 VA	720 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - DINING ROOM 303	12
13	RECEPT - DINING ROOM 303	20 A	1	1-#12, 1-#12, 1-#12	3/4"	720 VA	180 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - JAN. CLO. 308	14
15	RECEPT - DINING ROOM 303	20 A	1	1-#10, 1-#10, 1-#10	3/4"			1080 VA	180 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - PASSENGER ELEVATOR-3 E1-3	16
17	LTG - CATWALK & ROOF	20 A	1	1-#12, 1-#12, 1-#12	3/4"					56 VA	200 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	CAR LTG - PASSENGER ELEVATOR-3 E1-3	18
19	LTG - DINING ROOM 203	20 A	1	1-#12, 1-#12, 1-#12	3/4"	421 VA	180 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	RECEPT - 3RD FLOOR EXTERIOR DECK	20
21	LTG - WAITING/LOBBY 201	20 A	1	1-#12, 1-#12, 1-#12	3/4"			219 VA	531 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	LTG - RMS 205, 206, 207	22
23	VAV-9	20 A	2	2-#12, 1-#12, 1-#12	3/4"					1250 VA	850 VA	3/4"	2-#12, 1-#12, 1-#12	2	20 A	VAV-7	24
25						1250 VA	850 VA										26
27	VAV-1	30 A	2	2-#10, 1-#10, 1-#10	3/4"			2350 VA	1600 VA			3/4"	2-#12, 1-#12, 1-#12	2	20 A	VAV-8	28
29										2350 VA	1600 VA						30
31	VAV-6	40 A	2	2-#8, 1-#8, 1-#10	1"	3150 VA	3150 VA					1"	2-#8, 1-#8, 1-#10	2	40 A	VAV-5	32
33								3150 VA	3150 VA								34
35	VAV-2	40 A	2	2-#8, 1-#8, 1-#10	1"					3150 VA	2550 VA	1"	2-#8, 1-#8, 1-#10	2	35 A	VAV-3	36
37						3150 VA	2550 VA										38
39	VAV-4	25 A	2	2-#10, 1-#10, 1-#10	3/4"			1750 VA	1500 VA			3/4"	2-#12, 1-#12, 1-#12	2	20 A	WUH-1	40
41										1750 VA	1500 VA						42
43	DWH-2	20 A	1	1-#12, 1-#12, 1-#12	3/4"	480 VA	1000 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	CUH-2	44
45	WUH-2	20 A	1	1-#12, 1-#12, 1-#12	3/4"			1800 VA	480 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	DWH-1	46
47	LTG - RMS 104, 105, 106, 107, 119	20 A	1	1-#12, 1-#12, 1-#12	3/4"					836 VA	360 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	SINK RECEPT - MEN'S RM 116	48
49	LTG - RMS 109, 110, 111	20 A	1	1-#12, 1-#12, 1-#12	3/4"	499 VA	360 VA					3/4"	1-#12, 1-#12, 1-#12	1	20 A	SINK RECEPT - WOMEN'S RM 115	50
51	LTG - GOLF PRO SHOP 112	20 A	1	1-#12, 1-#12, 1-#12	3/4"			760 VA	180 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	SINK RECEPT - RR 117	52
53	EUH-1	20 A	2	2-#12, 1-#12, 1-#12	3/4"					1500 VA	528 VA	3/4"	1-#12, 1-#12, 1-#12	1	15 A	EF-3	54
55						1500 VA	528 VA					3/4"	1-#12, 1-#12, 1-#12	1	15 A	EF-4	56
57	CU-2	15 A	2	2-#12, 1-#12, 1-#12	3/4"			965 VA	667 VA			3/4"	3-#12, 1-#12, 1-#12	3	20 A	CUH-3	58
59										965 VA	667 VA						60
61	SINK RECEPT - MEN'S RM 206	20 A	1	1-#12, 1-#12, 1-#12	3/4"	360 VA	667 VA										62
63	SINK RECEPT - WOMEN'S RM 207	20 A	1	1-#12, 1-#12, 1-#12	3/4"			360 VA	200 VA			3/4"	1-#12, 1-#12, 1-#12	1	20 A	MOD - SECOND FLOOR	64
65	TV - DINING ROOM 203	20 A	1	1-#12, 1-#12, 1-#12	3/4"					1500 VA	1000 VA	3/4"	1-#12, 1-#12, 1-#12	1	20 A	TV - DINING ROOM 203	66
67	MECHANICAL CONTROLS - MECHANICAL/FIRE 104	20 A	1	1-#12, 1-#12, 1-#12	3/4"	1000 VA	0 VA						--	1	20 A	SPARE	68
69	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	70
71	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	72
73	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	74
75	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	76
77	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	78
79	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	80
81	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	82
83	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	84
				Total Load:		24614 VA		23353 VA		25092 VA							
				Total Amps:		207 A		195 A		211 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	41530 VA	103.79%	43105 VA		
Heating	10800 VA	100.00%	10800 VA	**Total Conn. Load:**	73059 VA
Motor	1256 VA	110.51%	1388 VA	**Total Est. Demand:**	75645 VA
Receptacle	7200 VA	100.00%	7200 VA	**Total Conn.:**	203 A
Lighting	3518 VA	125.00%	4397 VA	**Total Est. Demand:**	210 A
Non-Continuous	8760 VA	100.00%	8760 VA		

Notes:

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5. ELECTRICAL CONTRACTOR TO CIRCUIT AND ROUTE WIRING TO MINIMIZE TOTAL RUN LENGTH.
6. ALL HVAC AND REFRIGERATION CIRCUIT BREAKERS TO BE HACR RATED.
7. WHERE WALLS AND PARTITIONS ARE REQUIRED TO HAVE A MINIMUM 1-HOUR FIRE RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED. STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA ARE ACCEPTABLE PROVIDED THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA. OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES.
8. INSTALLATION OF ELECTRIC PANELS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 408.
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11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
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13. PROVIDE GROUNDING ELECTRODE CONDUCTORS AND BONDING JUMPERS FOR ALL DRY TYPE TRANSFORMERS. SEE DETAILS FOR REQUIREMENTS.
14. ALL EQUIPMENT AND EQUIPMENT ENCLOSURES SHALL BE PROPERLY BONDED AND GROUNDED PER NEC ARTICLE 250.
15. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 - DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL PANEL SCHEDULES

Scale	*NOT TO SCALE*
Drawn by	*TJT*
Date	*08.28.26*

E3.02

Comission no. *25023O*

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ADD ALTERNATE #1

Branch Panel: PS1

Location: ELECT/TELECOM 105
Supply From: ATS-OS
Mounting: Surface
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4
Feed Through Lugs: No

A.I.C. Rating: 42kA
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

CKT	Circuit Description	Trip	Poles	Wire Size (H,N,G)	Conduit Size	A		B		C		Conduit Size	Wire Size (H,N,G)	Poles	Trip	Circuit Description	CKT
1	LTG - GROUND FLOOR EXTERIOR SOUTH	20 A	1	--		0 VA	0 VA						--	1	20 A	LTG - CANOPY	2
3	LTG - GROUND FLOOR EXTERIOR EAST	20 A	1	--				0 VA	0 VA				--	1	20 A	LTG - VESTIBULE 001 & CRAWLSPACE	4
5	LTG - PASSENGER ELEVATOR-1 E1-1	20 A	1	--						0 VA	0 VA		--	1	20 A	LTG - EXIT STAIR S2	6
7	LTG - EXIT STAIR-2 S1-2	20 A	1	--		0 VA	0 VA						--	1	20 A	RECEPT - AIR TRAFFIC CONTROL 109	8
9	RECEPT - FLIGHT PLAN 107	20 A	1	--				0 VA	0 VA				--	1	20 A	FACP - ELECT/TELECOM 204	10
11	RECEPT - AIRPORT DIRECTOR 110	20 A	1	--						0 VA	0 VA		--	1	20 A	LTG - RMS 104, 105, 106, 107, 119	12
13	LTG - FIRST FLOOR SOUTH EXTERIOR	20 A	1	--		0 VA	0 VA						--	1	20 A	LTG - RMS 109, 110, 111	14
15	LTG - RMS 101, 102, 103, 108	20 A	1	--				0 VA	0 VA				--	1	20 A	LTG - GOLF PRO SHOP 112	16
17	LTG - RMS 113, 115, 116, 117	20 A	1	--						0 VA	0 VA		--	1	20 A	LTG - WAITING/LOBBY 201	18
19	LTG - CATWALK & ROOF	20 A	1	--		0 VA	0 VA						--	1	20 A	LTG - DINING ROOM 203	20
21	EPH-1	20 A	3	--				0 VA	0 VA				--	3	20 A	EPH-2	22
23										0 VA	0 VA						24
25						0 VA	0 VA										26
27	CUH-1	20 A	3	--				0 VA	0 VA				--	2	20 A	CU-3	28
29										0 VA	0 VA						30
31						0 VA	0 VA						--	2	20 A	CU-2	32
33	CAR LTG - PASSENGER ELEVATOR-3 E1-3	20 A	1	--				0 VA	0 VA								34
35	LTG - RMS 205, 206, 207	20 A	1	--						0 VA	0 VA		--	3	20 A	JP-1	36
37	EUH-1	20 A	2	--		0 VA	0 VA										38
39								0 VA	0 VA								40
41	HEAT TRACE	20 A	1	--						0 VA	0 VA		--	1	20 A	SERVER RACK	42
43	HEAT TRACE	20 A	1	--		0 VA	0 VA						--	1	20 A	SERVER RACK	44
45	CUH-3	30 A	3	--				0 VA	0 VA				--	2	20 A	(FUTURE) KITCHEN EQUIPMENT	46
47										0 VA	0 VA						48
49						0 VA	0 VA						--	1	20 A	CUH-2	50
51	GENERATOR JACKET HEATER	20 A	1	--				0 VA	0 VA				--	1	20 A	WUH-2	52
53	GENERATOR BATTERY CHARGER	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	54
55	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	56
57	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	58
59	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	60
61	SPARE	20 A	1	--		0 VA	0 VA						--	1	20 A	SPARE	62
63	SPARE	20 A	1	--				0 VA	0 VA				--	1	20 A	SPARE	64
65	SPARE	20 A	1	--						0 VA	0 VA		--	1	20 A	SPARE	66
					Total Load:	0 VA		0 VA		0 VA							
					Total Amps:	0 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:
REFER TO PANEL SCHEDULES ON SHEETS E3.01 AND E3.02 FOR ADDITIONAL WIRING AND CONDUIT REQUIREMENTS. SIZES ARE NOT ANTICIPATED TO BE IMPACTED IN ADD/ALT #1 SCOPE. ELECTRICAL CONTRACTOR SHALL PROVIDE CREDIT TO REDUCE PANEL 'PP1' AND 'PP2' SIZES TO 66-POLE PANELS AS PART OF ADD/ALT #1 PRICING.

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16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

ADD ALTERNATE #1:

A. PROVIDE SEPARATE LINE ITEM PRICING TO FURNISH AND INSTALL NEW OPTIONAL STANDBY GENERATOR (130KW NATURAL GAS, 208Y/120V, 3PH, 4W) AND ASSOCIATED EQUIPMENT/WIRING AS INDICATED ON SINGLE LINE DIAGRAM.
B. 90-MINUTE BATTERY BACKUP FOR EMERGENCY LOADS SHALL REMAIN AS INCLUDED IN BASE BID.
C. THE FOLLOWING EQUIPMENT SHALL BE POWERED VIA STANDBY POWER PANEL 'PSZ' LOCATED IN FIRST FLOOR ELECTRICAL ROOM 104.
   1. POWER ALL LIGHTING
   2. POWER FIRE ALARM SYSTEM AND ASSOCIATED ACCESSORIES
   3. POWER MECHANICAL EQUIPMENT REQUIRED FOR FREEZE PROTECTION
      - EPH-1 & 2
      - STAIRWELL AND VESTIBULE CABINET UNIT HEATERS
      - STAIRWELL SPLIT SYSTEMS
      - UNIT HEATERS IN MECHANICAL AND ELECTRICAL SPACES
      - HEAT TRACING
      - ASSOCIATED MECHANICAL CONTROLS
   4. POWER SERVER ROOM COMPUTER RACKS
      - RACK EQUIPMENT
   5. POWER SELECTED KITCHEN EQUIPMENT
      - WALK-IN COOLER AND/OR FREEZER
      - REACH-IN FREEZER/REFRIGERATORS LOCATED IN THE KITCHEN
   6. POWER STANDBY GENERATOR BATTERY CHARGER AND JACKET HEATER
   7. POWER SELECTED RECEPTACLES FOR BUILDING OPERATION.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL PANEL SCHEDULES

Scale	*NOT TO SCALE*
Drawn by	*TJT*
Date	*08.28.26*

E3.03

Comission no. *25023O*

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LUMINAIRE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING				VOLTAGE	WATTAGE	REMARKS
				REC.	SURF.	SUSP./ PEND.	POLE			
LT01	EXTERIOR LED 3" GIMBAL	LITHONIA	WF3 ADJ LED 30K 90CRI	X				120V	7.5 W	PROVIDE REMOTE MOUNTED PHOTOCELL FOR CONTROL OF EXTERIOR FIXTURES. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT.
LT02	EXTERIOR LED 3" DOWNLIGHT	LITHONIA	WF3 LED 30K 80CRI	X				120V	8 W	PROVIDE REMOTE MOUNTED PHOTOCELL FOR CONTROL OF EXTERIOR FIXTURES. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT.
LT03	6" DOWNLIGHT	LITHONIA	LDN6 AL01 SWW1 L06 AR LSS MVOLT D10	X				120-277V	13 W	
LT04	6" DOWNLIGHT - WET	LITHONIA	LDN6 AL01 SWW1 L06 AR LSS MVOLT D10	X				120-277V	13 W	
LT05	2X2 TROFFER	LITHONIA	2BLT2 33LHE ADSM MVOLT GZ1 LP935	X				120-277V	24.2 W	
LT06	2X4 TROFFER	LITHONIA	2BLT4 48LHE ADSM MVOLT GZ1 LP935	X				120-277V	34.3 W	
LT07	LOW-BAY - 48"	LITHONIA	L48 4000LM HEF MVOLT GZ10 35K 80CRI		X			120-277V	28.6 W	
LT09	6FT LED LINEAR	LIGHTLY	CLV 6'0 N N A LL M 35 R Z N			X		120-277V	8.3 W/FT	
LT10	2X2 FLAT PANEL	LITHONIA	EPANL 2X2 3400LM 80CRI 35K MIN10 ZT MVOLT	X				120-277V	30 W	NSF CERTIFIED
LT11	BATHROOM SCONCE	WAC LIGHTING	WS-41125 2700K/3000K/3500K AL		X			120-277V	19 W	
LT12	STAIRWELL LED	LITHONIA	WL4 30L MVOLT EZ-1 LP830 N80 NES7ADCX		X			120-277V	28.2 W	TO BE INSTALLED 96" A.F.F.
LT13	4" CYLINDER DOWNLIGHT	LITHONIA	LDN4CYL 35/15 L04 AR LSS MVOLT GZ10		X			120-277V	17.5 W	
LT15	OUTDOOR SCONCE	WAC LIGHTING	WS-W52620-BZ		X			120V	19 W	PROVIDE REMOTE MOUNTED PHOTOCELL FOR CONTROL OF EXTERIOR FIXTURES. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT.
LT16	RECESSED COVE -BATHROOM	ALCON	12100-10-PR-WL50-C16-30K	X				120-277V	6 W/FT	COORD. LENGTH OF FIXTURE W/ LENGTH OF WALL
LT17	6" DOWNLIGHT - SLOPED CEILING	LITHONIA	LDN6 AL01 SWW1 L06 AR LSS MVOLT D10 SCA6	X				120-277V	17.3 W	
LT18	TRACK LTG	JUNO	T286L 30K 80CRI PDIM NFL BL		X			120V	42.8 W	PROVIDE & MOUNT ON TRACK
LT19	COVE LTG	ALCON	15255-RGBW XX RGBW30K SL WCXI-WH		X			120-277V	6 W/FT	
LT20	EXTERIOR LINEAR	VISION	VPF4 4FT NM10 25W 30K MVOLT CLP WHT WL		X			120-277V	26.9 W	PROVIDE REMOTE MOUNTED PHOTOCELL FOR CONTROL OF EXTERIOR FIXTURES. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT.
LT-E1	EMERGENCY LTG	LITHONIA	ELM4L		X			120-277V	6.4 W	WIRE AHEAD OF LIGHT SWITCH
LT-E2	EMERGENCY LTG	LITHONIA	ELM4L UVOLT LTP HO		X			120-277V	6.4 W	WIRE AHEAD OF LIGHT SWITCH
LT-E3	REMOTE EMERGENCY LTG	LITHONIA	ELMRW SP640L DWHXD T		X			120-277V	6.4 W	POWERED BY LOCAL LT-E2 BATTERY
LT-X1	EXIT SIGN	LITHONIA	LE P R ELN TP		X			120-277V	3.2 W	WIRE AHEAD OF LIGHT SWITCH

Lighting Control Sequence of Operations

Location	Sequence of Operations
Corridor/Vestibule/Lounge /Dining Room	On during operational hours, partial light reduction to 50% via motion sensor(s) after 20 minute timeout.
Office	Manual on/off via wall station; automatic shutoff via motion sensor(s) after 20 minute timeout; wall station provides raise/lower.
Kitchen	Manual on/off via wall station; automatic shutoff via motion sensor(s) after 20 minute timeout; wall station provides raise/lower.
Mech/Elec/Water Meter /Crawlspace fenced-in areas	On/off via toggle switch.
Open Office/Golf Pro Shop	Motion sensor(s) bring lighting on automatically to 50%; sensors time out after 20 minutes of no motion and shut lighting off; wall station provides raise/lower.
Storage/Single RR	Manual on/off via wall station; automatic shutoff via motion sensor(s) after 20 minute timeout.
Gang Rest Rooms	Motion sensor(s) bring lighting on automatically to 50%; sensors time out after 20 minutes of no motion and shuts lighting off
Exterior / Crawlspace Open Area	Photocell on/off; wall station in Airport Admin 111 for override.
Stairwell	On during operational hours; automatic shutoff via integral occupancy sensor.

Notes:

1. EC to provide spare component stock as defined in specifications.
2. EC to coordination pre-installation meeting with lighting control vendor prior to rough-in.
3. EC to coordinate final programming and training with end-user.
4. Lighting Control vendor to provide a follow up visit 6 months after completion for fine-tuning of lighting control system.
5. EC to provide add/alt pricing on annual service contract for lighting control system including four onsite service days and 24/7 phone support.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

ELECTRICAL
LUMINAIRE SCHEDULE

Scale	12" = 1'-0"
Drawn by	TJT
Date	08.28.26

E3.04

Comission no. 25023O

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ABBREVIATIONS

@	AT	KVA	KILOVOLT AMPERE
A OR AMP	AMPERE	KW	KILOWATT
ABV.	ABOVE	KWH	KILOWATT-HOUR
AC	ALTERNATE CURRENT	L.A.	LIGHTNING SURGE ARRESTER
AF	AMP FRAME	LCP	LOCAL CONTROL PANEL
A.F.C.	ABOVE FINISHED CEILING	LED	LIGHT EMITTING DIODE
A.F.F.	ABOVE FINISHED FLOOR	LIM	LINE ISOLATION MONITOR
A.F.G.	ABOVE FINISHED GRADE	L.O.	LUGS ONLY
A.I.C.	AMPERE INTERRUPTING CAPACITY	LS	LIMIT SWITCH
AL.	ALUMINUM	LT.	LIGHT
ALT.	ALTERNATE	LTG.	LIGHTING
AM	AMMETER	LV	LOW VOLTAGE
ANN.	ANNUNCIATOR	MAX.	MAXIMUM
ANT.	ANTENNA	M.C.	MECHANICAL CONTRACTOR
ARCH.	ARCHITECT	MCB	MAIN CIRCUIT BREAKER
AS	AMMETER SWITCH	MCC	MOTOR CONTROL CENTER
AT	AMP TRIP	MCP	MOTOR CIRCUIT PROTECTOR
ATS	AUTOMATIC TRANSFER SWITCH	MCS	MOLDED CASE SWITCH
AUX.	AUXILIARY	ME	MODIFY EXISTING
BD	BUS DUCT	MFR.	MANUFACTURER
BIL	BASIC IMPULSE LEVEL	MIN.	MINIMUM
BKR.	BREAKER	M.O.	MECHANICALLY OPERATED
C. OR CDT.	CONDUIT	M.L.O.	MAIN LUGS ONLY
CAB.	CABINET	MTD.	MOUNTED
CB OR C/B	CIRCUIT BREAKER	MTS	MANUAL TRANSFER SWITCH
CBL.	CABLE	MV	MEDIUM VOLTAGE
CKT	CIRCUIT	N	NEUTRAL
CLG.	CEILING	(N)	NEW
CONN.	CONNECTION	NAC	NOTIFICATION APPLIANCE CIRCUIT
CONST.	CONSTRUCTION	N.C.	NORMALLY CLOSED
CONT.	CONTINUOUS	N.E.C.	NATIONAL ELECTRIC CODE
CONTR.	CONTRACTOR	N.I.C.	NOT IN CONTRACT
CPT	CONTROL POWER TRANSFORMER	N.O.	NORMALLY OPEN
CT	CURRENT TRANSFORMER	N.T.S.	NOT TO SCALE
CU.	COPPER	O.C.	ON CENTER
DEMO. OR D	DEMOLITION	O.C.B.	OIL CIRCUIT BREAKER
DC	DIRECT CURRENT	O.C.P.	OVERCURRENT PROTECTION
DIA.	DIAMETER	O.D.	OUTSIDE DIMENSION
DISC.	DISCONNECT	P	POLE
DIST.	DISTRIBUTION	PB	PULL BOX
DWG.	DRAWING	PF	POWER FACTOR
DP	DISTRIBUTION PANEL	PH OR □	PHASE
EM.	EMERGENCY	PL	PILOT LIGHT
EA.	EACH	PNL.	PANEL
E.C.	ELECTRICAL CONTRACTOR	PRI.	PRIMARY
E.D.P.	ELECTRONIC DATA PROCESSING	PS	PULL STATION
ELEC.	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
ELEV.	ELEVATOR	PT	POTENTIAL TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	PWR.	POWER
ENCL.	ENCLOSURE	RCVR.	RECEIVER
E.O.	ELECTRICALLY OPERATED	RE OR (RE)	RELOCATE EXISTING
E.R.	EXISTING RELOCATED	REQ.	REQUIRED
EQUIP.	EQUIPMENT	REX	RELOCATE EXISTING
E.W.C.	ELECTRIC WATER COOLER	SEC.	SECONDARY
EX. OR E	EXISTING TO REMAIN	SLC	SIGNALING LINE CIRCUIT
F.	FUSED	SLD.	SINGLE LINE DIAGRAM
F/A	FIRE ALARM	SLV.	SLEEVE
F.B.O.	FURNISHED BY OWNER	SPEC.	SPECIFICATION
F.D.	FEEDER DUCT	SS.	SUBSTATION
FDR.	FEEDER	S.T.	SHUNT TRIP
F.H.C.	FIRE HOSE CABINET	STD.	STANDARD
FL.	FLOOR	STR.	STARTER
F.S.	FLOW SWITCH	SW.	SWITCH
FUT.	FUTURE	SWGR.	SWITCHGEAR
G	EQUIPMENT GROUND CONDUCTOR	SYS.	SYSTEM
GA.	GAUGE	TEL.	TELEPHONE
G.C.	GENERAL CONTRACTOR	TEMP.	TEMPERATURE
G.F.I.	GROUND FAULT INTERRUPTER	TERM.	TERMINAL
G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER	TV	TELEVISION
G.F.S.C.	GROUND FAULT SENSING RELAY	TYP.	TYPICAL
GND.	GROUND	UC.	UNDERCOUNTER
GSC	SYSTEM CIRCUIT GROUND CONDUCTOR	U/F	UNFUSED
H.I.D.	HIGH INTENSITY DISCHARGE	U.L.	UNDERWRITERS' LABORATORY
H.O.A.	HAND-OFF-AUTOMATIC	U.O.N.	UNLESS OTHERWISE NOTED
H.P.	HORSEPOWER	U.V.	UNDER VOLTAGE
HT.	HEIGHT	V	VOLT
H.V.	HIGH VOLTAGE	VFD	VARIABLE FREQUENCY DRIVE
HVAC	HEAT, VENT, AIR COND	VM	VOLTMETER
I.D.	INSIDE DIMENSION	VS	VOLTMETER SWITCH
ILL.	ILLUMINATION	W	WATT
IMC.	INTERMEDIATE METAL CONDUIT	WP	WEATHERPROOF
INV.	INVERT	XDR	TRANSDUCER
JB OR J-BOX	JUNCTION BOX	XFMR	TRANSFORMER
JUNC.	JUNCTION	XFR	TRANSFER

FIRE ALARM DEVICES

H	THERMAL DETECTOR - COMBINATION RATE OF RISE AND FIXED TEMPERATURE - MOUNTED AT CEILING - 135 DEG
S	PHOTOELECTRIC SMOKE DETECTOR - MOUNTED AT CEILING
C	CARBON MONOXIDE DETECTOR - MOUNTED @ 10" AFF
DD	PHOTOELECTRIC DUCT DETECTOR WITH, SAMPLING TUBE, REMOTE LED INDICATION, AND REMOTE KEY TEST SWITCH
F	FIRE ALARM MANUAL PULL STATION - WALL MOUNTED +42" A.F.F.
	SPRINKLER TAMPER SWITCH, PROVIDE MONITOR MODULE. COORDINATE WITH FIRE PROTECTION SYSTEM.
	SPRINKLER FLOW SWITCH, PROVIDE MONITOR MODULE. COORDINATE WITH FIRE PROTECTION SYSTEM.
	SPRINKLER PRESSURE SWITCH, PROVIDE MONITOR MODULE. COORDINATE WITH FIRE PROTECTION SYSTEM.
MM	MONITOR MODULE, SINGLE INPUT
CM	CONTROL MODULE, SINGLE POLE 120V AC RATED CONTACT
DH	FIRE ALARM MAGNETIC DOOR HOLDER - WALL MOUNTED +80" A.F.F. (F INDICATES FLOOR MOUNTED)
# S	FIRE ALARM COMBINATION SPEAKER/STROBE - WALL MOUNTED # INDICATES CANDELA RATING
#	FIRE ALARM STROBE - WALL MOUNTED # INDICATES CANDELA RATING
#	FIRE ALARM COMBINATION SPEAKER/STROBE - CEILING MOUNTED # INDICATES CANDELA RATING
#	FIRE ALARM STROBE - CEILING MOUNTED # INDICATES CANDELA RATING
S	FIRE ALARM SPEAKER
DCL	120V DOOR CLOSER
AOR	AREA OF RESCUE PNL
WP	WEATHER PROOF
IR	FIRE ALARM ALARM ADDRESSABLE RELAY MODULE FOR 120V MOTORIZED SMOKE DAMPER, FIRE PIT SHUT OFF EQUIPMENT AND MOTORIZED DAMPERS
FSD	FIRE SMOKE DAMPER
FD	FIRE DAMPER
CO	CARBON MONOXIDE DUCT DETECTOR
FACP	FIRE ALARM CONTROL PANEL, WALL MOUNTED, TOP OF PANEL AT +72" A.F.F.
ANN	FIRE ALARM ANNUNCIATOR PANEL - LCD, WALL MOUNTED AT +48" A.F.F.
DAS	RESPONDER RADIO COVERAGE PANEL
CO2	CO2 DETECTOR

PERFORMANCE NOTES

1. FIRE ALARM DESIGN AS SHOWN IS A PROTOTYPIC DESIGN PROVIDED AS A BASIS OF DESIGN FOR BID PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE, AT OWN EXPENSE, TO HAVE PREPARED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER A FIRE ALARM SYSTEM DESIGN, WITH SHOP DRAWINGS, FOR THIS PROJECT. FIRE ALARM SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY, AND SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE ARCHITECT, ENGINEER AND APPROVING LOCAL CONSTRUCTION OFFICIALS PRIOR TO PERFORMANCE OF ANY WORK.
2. PROVIDE THE SERVICES OF A QUALIFIED FIRE ALARM CONTRACTOR/VENDOR WITH A MINIMUM OF 10-YEARS OF CERTIFIABLE PROFESSIONAL EXPERIENCE WITH SIMILAR FIRE ALARM SYSTEMS WHICH ARE TYPICALLY INSTALLED AT THE PROJECT, AND IS LOCATED WITHIN 100-MILES OF THE PROJECT SITE.
3. FIRE ALARM CONTRACTORS SHALL PROVIDE ALL MANPOWER, EQUIPMENT, AND LABOR AS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. TEST AND ADJUST NEW FIRE ALARM SYSTEM AS NOTED HEREIN.
4. ALL FIRE ALARM TESTING SHALL OCCUR BETWEEN THE HOURS OF 9:00AM AND 4:00PM WEEKDAYS, EXCLUDING LOCAL CITY HOLIDAYS.
5. TEST AND ADJUST EACH HOME RUN CIRCUIT INDEPENDENTLY FROM OTHER HOME RUNS. ADJUST SYSTEM GAIN SO THAT ALL FIRE ALARM SPEAKERS PROVIDE 100DB SPL 'A' WEIGHTED AT 5-FEET ABOVE FINISHED FLOOR. USE A CALIBRATED SOUND PRESSURE METER (PER NEW JERSEY UCC AND 2019 NFPA 72) DURING FIRE ALARM SYSTEM TESTS AND ADJUSTMENTS. BEGIN ALL TESTS WITH SYSTEM GAIN COMPLETELY OFF. DO NOT ACTIVATE OR TEST SYSTEM WITH AMPLIFIER GAINS FULLY OPEN.
6. DEMONSTRATE SYSTEM PERFORMANCE TO THE OWNER AND LOCAL FIRE INSPECTOR AT THE SPECIFIED GAIN SETTINGS. ADJUST SOUND LEVELS AS NECESSARY TO SATISFY THE OWNER AND LOCAL FIRE INSPECTOR.
7. ALL REQUIRED POWER CONNECTION, CONDUCTOR TYPES AND SIZES, BATTERY AND VOLTAGE DROP CALCULATIONS ARE TO BE SHOWN ON THE FIRE ALARM SHOP DRAWINGS.
8. UPON SYSTEM ACCEPTANCE, THE FACTORY TRAINED AND AUTHORIZED ENGINEERED SYSTEMS DISTRIBUTOR NEW FIRE ALARM SYSTEM SHALL PROVIDE THE OWNER WITH A FULL PARTS, MATERIALS AND LABOR WARRANTY FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SYSTEM COMMISSIONING AND OWNER ACCEPTANCE.
9. REFER TO THE UPDATED EMERGENCY RESPONDER RADIO SYSTEM (ERRS) DIAGRAM AND THE ASSOCIATED DETAIL NOTES ON SHEET FA001. ALTHOUGH IT IS NOT ANTICIPATED THAT A ERRS BOOSTER SYSTEM WILL BE REQUIRED BASED ON THE CURRENT AND ROBUST OCEAN CITY ERRS SYSTEM, THE CONTRACTOR SHALL INCLUDE A $15,000 ALLOWANCE TO INSTALL BOOSTER SYSTEMS IN THE BUILDINGS IF IT IS DETERMINED THAT THE OCEAN CITY ERRS SIGNAL IS NOT ADEQUATE IN ALL SPACES WITHIN THE BUILDINGS. AS PER THE DETAIL AND ASSOCIATED NOTES, THE CONTRACTOR MUST COORDINATE AND REQUEST THE OCEAN CITY FIRE MARSHALL/RADIO MAINTENANCE TEAM TO TEST THE COUNTY SIGNALS WITHIN THE BUILDINGS TO DETERMINE IF A BOOSTER SYSTEM IS REQUIRED. WHERE REQUIRED, THE CONTRACTOR/CONTRACTOR VENDOR SHALL DESIGN/INSTALL THE BOOSTER SYSTEM TO MEET ERRS SIGNAL REQUIREMENTS.

REFERENCE NOTES

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   1.1. ALL FIRE RATED PARTITIONS AND BUILDING EXPANSION JOINTS.
2. REFER TO THE HVAC/MECHANICAL DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   2.1. FIRE SMOKE DAMPERS.
   2.2. DUCT SMOKE DETECTORS.
3. REFER TO THE FIRE PROTECTION/SPRINKLER DRAWINGS FOR THE LOCATIONS OF THE FOLLOWING:
   3.1. WATER FLOW AND TAMPER SWITCHES.

GENERAL FIRE ALARM NOTES

1. COORDINATE DEVICE LOCATIONS WITH CASEWORK AND FURNITURE ELEVATIONS. REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS ADDITIONAL INFORMATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO ROUGH-IN.
2. PROVIDE 25 PERCENT SPARE CAPACITY FOR ALL SIGNALING LINE CIRCUITS. T-TAPPING IS PERMITTED ON THE CLASS B SIGNALING LINE CIRCUIT. ALL T-TAPS SHALL BE MADE IN A JUNCTION BOX USING TERMINAL BLOCKS. ALL LOCATIONS OF T-TAPS SHALL BE CLEARLY INDICATED ON THE FLOOR PLANS.
3. PROVIDE 25 PERCENT SPARE CAPACITY ON ALL NOTIFICATION APPLIANCE CIRCUITS. AUDIBLE AND VISUAL DEVICES SHALL BE WIRED SEPARATELY. CLEARLY INDICATE LOCATIONS OF ALL END-OF-LINE DEVICES ON THE SHOP DRAWINGS. WHERE AUDIBLE AND VISUAL DEVICES ARE SHOWN IN THE SAME LOCATION ON THE FLOOR PLANS, THEY SHALL BE COMBINED INTO A SINGLE UNIT.
4. POWER EXTENDER PANELS SHALL BE PROVIDED AS NECESSARY TO SUPPLY POWER TO THE NOTIFICATION APPLIANCES. ALL LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

OCEAN CITY AIRPORT

2600 BAY AVENUE
OCEAN CITY, NJ 08226

BID ISSUE

No.	Description	Date

FIRE ALARM LEAD SHEET

Scale	
Drawn by	*TJT*
Date	*08.28.26*

FA0.00

Comission no. *25023O*

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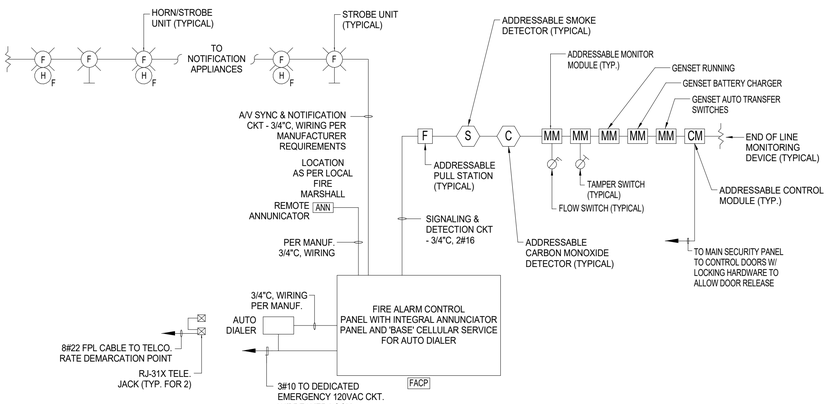
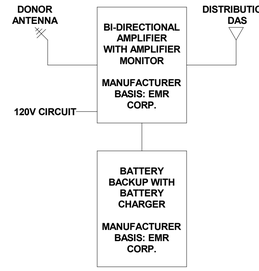


FIRE ALARM SYSTEM RISER IS DIAGRAMMATIC
REFER TO FLOOR PLANS FOR ANTICIPATED DEVICE QUANTITIES AND LOCATIONS

1 FIRE ALARM RISER DIAGRAM
FA0.01 SCALE: NOT TO SCALE

FIRE ALARM SYSTEM NOTES:

1. PROVIDE APPROVED EARTH GROUND AT FIRE ALARM CONTROL PANEL. CHASSIS OR CONDUIT GROUND IS NOT ACCEPTABLE.
2. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH ARTICLE 760 OF THE 2020 NATIONAL ELECTRIC CODE.
3. FIRE ALARM CABLE MUST BE MARKED TYPE FPL (NON PLENUM) OR FPLP (PLENUM) AS DETERMINED BY TYPES OF CEILING IN BUILDING.
4. ADDRESSABLE CONTROL RELAY MUST BE WITHIN 3 FEET OF DEVICE IT IS TO CONTROL.
5. NO A.C. CARRYING CONDUCTORS ARE ALLOWED TO SHARE RACEWAYS WITH THE FIRE ALARM SYSTEM WIRING.
6. ALL SMOKE DETECTORS SHALL BE LOCATED 3 OR MORE FEET FROM ANY SUPPLY OR RETURN AIR REGISTER AND A MINIMUM OF 1 FOOT AWAY FROM ANY LIGHTING FIXTURE.
7. 110VAC CIRCUIT FEEDING FIRE ALARM CONTROL PANEL, NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIER CABINETS, AND ALL POWERED FIRE ALARM SYSTEM COMPONENTS SHALL BE EQUIPPED WITH BREAKER LOCK.
8. REFER TO DETAIL ON THIS SHEET FOR FIRE ALARM EQUIPMENT MOUNTING HEIGHT REQUIREMENTS.
9. DUST COVERS FURNISHED WITH DETECTORS MUST BE INSTALLED WITH EVERY DETECTOR UNTIL FINAL CHECKOUT.
10. SMOKE AND/OR HEAT DETECTORS SHALL BE MOUNTED ON THE CEILING, UNLESS NOTED OTHERWISE. IT SHALL NOT BE PERMISSIBLE TO INSTALL DETECTORS ON THE BOTTOM OF OPEN WEB JOISTS, OR ANY BEAM EXCEEDING 12 INCHES IN DEPTH FROM CEILING.
11. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WIRING TO ENSURE THAT CIRCUITS ARE FREE AND CLEAR OF GROUNDS AND THE PROPER END OF LINE RESISTANCE IS READ.
12. THE CONTRACTOR IS RESPONSIBLE FOR LABELING ALL PERIPHERAL DEVICES WITH THE UNIQUE IDENTIFICATION NUMBER SHOWN ON THE REQUIRED SUBMITTAL DRAWINGS. LABELS TO BE SIMILAR TO "BROTHER P-TOUCH" BLACK LETTERING ON WHITE BACKGROUND, SELF-ADHESIVE TAPE. DEVICE LABELS SHALL BE INSTALLED PRIOR TO SYSTEM CHECKOUT.
13. SMOKE DETECTORS SHALL NOT BE INSTALLED PRIOR TO FINAL CLEAN-UP OF ALL TRADES WITHIN THE BUILDING. SHIPPING COVERS CAN ONLY BE UTILIZED AS DUST COVERS IF SPECIFICALLY LISTED FOR THE PURPOSE BY THE MANUFACTURER.
14. SIGNALING AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B IN ACCORDANCE WITH THE SPECIFICATIONS.
15. FIRE ALARM PROGRAMMING, EQUIPMENT GRAPHICS, DEVICE ADDRESS IDENTIFICATION, ETC. SHALL BE FULLY COORDINATED WITH THE FINAL APPROVED BUILDING ROOM NUMBERS.
16. AUDIBLE AND VISUAL NOTIFICATION CIRCUIT LOADING SHALL BE SUCH THAT NO CIRCUIT IS MORE THAN 60% LOADED.
17. ADDRESSABLE SIGNALING CIRCUITS SHALL BE SUCH THAT NO CIRCUIT IS MORE THAN 75 PERCENT OF THE RATED QUANTITY OF DEVICES. FIRE ALARM BATTERY UNITS (FIRE ALARM CONTROL PANEL & NOTIFICATION APPLIANCE CIRCUIT PANELS/AUX. A/V POWER SUPPLY PANELS) SHALL BE ABLE TO OPERATE THE SYSTEM UPON LOSS OF NORMAL POWER FOR A PERIOD OF 24 HOURS (STANDBY MODE) AND 10 MINUTES (ALARM MODE). PROVIDE 20% SPARE STANDBY BATTERY CAPACITY.
18. FIRE ALARM CABLES RUN EXPOSED OR IN MECHANICAL SPACES SHALL BE INSTALLED IN RGS CONDUIT - 3 /4" MINIMUM SIZE. FIRE ALARM CABLES RUN IN ABOVE CEILING SPACES MAY UTILIZE FIRE ALARM SYSTEM MC CABLE.
19. THIS RISER DIAGRAM IS SCHEMATIC ONLY AND DOES NOT REPRESENT ACTUAL DEVICE QUANTITIES UNLESS OTHERWISE NOTED. IT IS A REPRESENTATION OF THE INTENDED SYSTEM FOR THIS PROJECT. SEE THE FLOOR PLANS FOR ANTICIPATED QUANTITIES AND LOCATIONS OF FIELD EQUIPMENT. SEE THE PROJECT SPECIFICATIONS FOR PERFORMANCE AND COMPLIANCE REQUIREMENTS. QUANTITY AND SIZE OF CONDUCTORS TO BE DETERMINED BY THE FINAL APPROVED FIRE ALARM SYSTEM MANUFACTURER.
20. BATTERIES FOR ALL FIRE ALARM. NOTIFICATION APPLIANCE AND ACCESSORY PANELS SHALL BE RATED IN ACCORDANCE WITH NFPA 72 REQUIREMENTS,



ELECTRICAL NOTES:

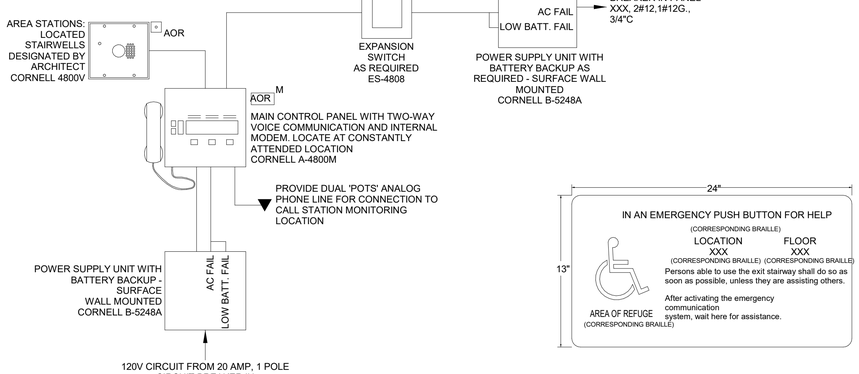
1. **ALTHOUGH IT IS NOT ANTICIPATED THAT A ERRS BOOSTER SYSTEM WILL BE REQUIRED BASED ON THE CURRENT AND ROBUST OCEAN CITY ERRS SYSTEM, THE CONTRACTOR SHALL INCLUDE A $15,000 ALLOWANCE TO INSTALL BOOSTER SYSTEMS IN THE BUILDINGS IF IT IS DETERMINED THAT THE OCEAN CITY ERRS SIGNAL IS NOT ADEQUATE IN ALL SPACES WITHIN THE BUILDINGS. AS PER THE DETAIL AND ASSOCIATED NOTES BELOW, THE CONTRACTOR MUST COORDINATE AND REQUEST THE OCEAN CITY FIRE MARSHALL/RADIO MAINTENANCE TEAM TO TEST THE COUNTY SIGNALS WITHIN THE BUILDINGS TO DETERMINE IF A BOOSTER SYSTEM IS REQUIRED. WHERE REQUIRED, THE CONTRACTOR/CONTRACTOR VENDOR SHALL DESIGN/INSTALL THE BOOSTER SYSTEM TO MEET ERRS SIGNAL REQUIREMENTS.**
2. **PROVIDE AN EMERGENCY RESPONDER RADIO SYSTEM IN ACCORDANCE WITH THE 2021 EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL FIRE CODE (IFC), AND NFPA 72 REQUIREMENTS.**
3. **THE SYSTEM SHALL BE DELEGATED DESIGN BY THE ELECTRICAL CONTRACTOR.**
4. **THE SYSTEM SHALL PROVIDE AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM FOR EMERGENCY RESPONDERS WITHIN THE FACILITY. WHERE REQUIRED, THE SYSTEM SHALL BE BASED ON THE EXISTING COVERAGE LEVEL OF OCEAN CITY EMERGENCY RESPONDER RADIO SYSTEM AT THE EXTERIOR OF THE BUILDING AND SHALL HAVE SIGNAL STRENGTH MEASUREMENTS IN 95 PERCENT OF ALL AREAS ON EACH FLOOR OF THE BUILDING. SIGNAL STRENGTH SHALL MEET IFC 510 REQUIREMENTS. FIRE DEPARTMENT REVIEW AND APPROVAL IS REQUIRED.**
5. **SUBMIT DESIGN DOCUMENTS, DESIGN CALCULATIONS, FLOOR PLANS WITH EQUIPMENT LOCATIONS, A COMPLETE WIRING DIAGRAM WITH ALL COMPONENTS IDENTIFIED & ASSOCIATED EQUIPMENT POWER REQUIREMENTS (EXTERIOR AND INTERIOR ANTENNAS AND ASSOCIATED MOUNTING EQUIPMENT, BI-DIRECTIONAL AMPLIFIER, BACKUP BATTERY EQUIPMENT, WIRE BAND TAPPERS, SPLITTERS, CABLING, CONNECTORS, AND ALL EQUIPMENT NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM). SUBMIT FLOOR PLANS IDENTIFYING ALL EQUIPMENT LOCATIONS AND ROUTING FOR INTERCONNECTING CABLING.**
6. **PROVIDE COMPLETE TESTING OF THE SYSTEM AND ENSURE IBC AND IFC REQUIREMENTS ARE MET. COORDINATE WITH THE FIRE MARSHALL FOR ALL TESTING PROCEDURES. TESTING SHALL BE PERFORMED BY A CERTIFIED TESTING COMPANY. SUBMIT TESTING REPORTS FOR REVIEW.**
7. **INSTALLER SHALL BE CERTIFIED FOR INSTALLATION OF THE SYSTEM. SUBMIT INSTALLER QUALIFICATIONS FOR REVIEW.**
8. **SUBMIT COOPERATION AND MAINTENANCE MANUALS PRIOR TO PROJECT COMPLETION.**
9. **PROVIDE 120V POWER.**
10. **PROVIDE A DEDICATED MONITORING PANEL TO BE LOCATED IN THE BASEMENT CONTROL ROOM TO ANNUNCIATE THE STATUS OF ALL SIGNAL BOOSTER LOCATIONS. THEMONITRING PANEL SHALL PROVIDE VISUAL AND LABELED INFORMATION AS FOLLOWS: A. NORMAL AC POWER, B. SIGNAL BOOSTER TROUBLE, C. LOSS OF NORMAL AC POWER, D. BATTERY CHARGING FAILURE, E. LOW BATTERY CAPACITY.**
11. **PROVIDE NECESSARY HARDWARE, WIRING, AND PROGRAMMING TO SUPERVISE THE FOLLOWING: A. TWO-WAY RADIO ENHANCEMENT SYSTEM (AMPLIFIER FAIL, ANTENNA FAIL, AC POWER STATUS, CHARGER/BATTERY FAIL), B. THE INTEGRITY OF THE CIRCUIT MONITORING THE SIGNAL BOOSTER(S) AND POWER SUPPLIES SHALL COMP-LY WITH NFPA 72 REQUIRMENTS.**

2 EMERGENCY RESPONDER RADIO COVERAGE DETAIL
FA0.01 SCALE: NOT TO SCALE

OCEAN CITY PUBLIC SAFETY SUBSTATION FIRE ALARM MATRIX	STROBE ACTIVATION (BUILDING WIDE)	SPEAKER ACTIVATION (BUILDING WIDE)	ACTIVATE AUDIBLE SIGNAL AT FACP	ACTIVATE VISUAL SIGNAL AT FACP	DESCRIPTION ANNUNCIATION AT FACP	AUDIBLE SIGNAL AT REMOTE ANNUNCIATOR	VISUAL SIGNAL AT REMOTE ANNUNCIATOR	DESCRIPTION ANNUNCIATION AT RA	ACTIVATE CENTRAL STATION SIGNAL	ALARM VERIFICATION SEQUENCE	SHUTDOWN OF HVAC EQUIPMENT	LOG EVENT INTO SYSTEM HISTORY	ACTIVATION OF REMOTE LED	ACTIVATION OF ELEVATOR CONTROL RELAYS	ACTIVATION OF ELEVATOR SHUNT TRIP	SILENCE OF VISUAL DEVICES	SILENCE OF AUDIBLE DEVICES	RELEASE NORMALLY HELD OPEN DOORS	ACKNOWLEDGEMENT OF EVENT	SILENCE OF LOCAL BUZZER	RESET OF SYSTEM
MANUAL PULL STATIONS	X	X	X	X	X	X	X	X	A			X						X			
SMOKE DETECTORS - COMMON AREA	X	X	X	X	X	X	X	X	A	X		X						X			
SMOKE DETECTORS - ELEVATOR LOBBY	X	X	X	X	X	X	X	X	A	X		X		X				X			
SMOKE DETECTORS - ELEVATOR SHAFT/PIT	X	X	X	X	X	X	X	X	A	X		X		X				X			
SMOKE DETECTORS - ELEVATOR MACHINE RM	X	X	X	X	X	X	X	X	A	X		X		X				X			
DUCT MOUNTED SMOKE DETECTORS	X	X	X	X	X	X	X	X	A	X	X	X	X					X			
HEAT DETECTORS - COMMON AREA	X	X	X	X	X	X	X	X	A			X						X			
HEAT DETECTORS - ELEVATOR	X	X	X	X	X	X	X	X	A			X			X			X			
HEAT DETECTORS - ELEVATOR	X	X	X	X	X	X	X	X	A			X			X			X			
WATERFLOW SWITCHES	X	X	X	X	X	X	X	X	A			X						X			
FIRE PROTECTION TAMPER VALVE			X	X	X	X	X	X	S			X									
ALARM SILENCE BUTTON				X			X									X	X			X	
FIRE DRILL BUTTON ON FACP	X	X	X	X	X	X	X	X				X									
NEXT/BACK BUTTON																			X		
RESET BUTTON																					X
REMOVAL OF ANY INTELLIGENT DEVICE			X	X	X	X	X	X	T			X									
SYSTEM GROUND FAULT			X	X	X	X	X	X	T			X									
SYSTEM WIRING "OPEN"			X	X	X	X	X	X	T			X									
AC POWER LOSS			X	X	X	X	X	X	T			X									
REMOVAL OF SECONDARY POWER SUPPLY			X	X	X	X	X	X	T			X									
REMOVAL OR LOSS OF TELEPHONE LINES			X	X	X	X	X	X	T			X									
FIRE PROTECTION SUPERVISORY SIGNAL			X	X	X	X	X	X	S			X									

NOTES:
A = TRANSMISSION OF AN ALARM SIGNAL TO CENTRAL STATION
S = TRANSMISSION OF A SUPERVISORY SIGNAL TO CENTRAL STATION
T = TRANSMISSION OF A TROUBLE SIGNAL TO CENTRAL STATION

3 FIRE ALARM MATRIX
FA0.01 SCALE: NOT TO SCALE



NOTES
1. AREA OF REFUGE SYSTEM BASIS OF DESIGN: CORNELL 4800 SERIES OR APPROVED EQUAL.
2. AREA OF REFUGE CALL STATION TO BE LOCATED AS FOLLOWS:
   2.1. STAIRWELLS: AS DESIGNATED BY ARCHITECT
   2.2. AREA OF REFUGE DIAGRAM IS DIAGRAMMATIC. PROVIDE QUANTITIES OF EQUIPMENT AS REQUIRED AND IN ACCORDANCE WITH DESIGN DOCUMENTS.
3. SYSTEM TO PROVIDE 2 WAY COMMUNICATION BETWEEN THE AREA OF REFUGE, A CENTRAL COMMUNICATION POINT, AND ALTERNATE COMMUNICATION POINT.
4. PROVIDE AUTO DIALER AT MASTER CONTROL STATION TO ALLOW DIRECT CALL TO MONITORING LOCATION UPON TIME OUT THAT AN INCOMING CALL IS NOT ANSWERED.
5. PROVIDE INTERCONNECTING WIRING FOR ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
6. WIRING SHALL BE INSTALLED IN MINIMUM, 3/4" CONDUIT THROUGHOUT THE BUILDING.
7. PROVIDE EMI SUPPRESSION FILTERS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS. AT A MINIMUM, PROVIDE AT POWER SUPPLY OUTPUTS, MAIN & REMOTE CONTROL PANEL INPUTS/OUTPUTS, AND CALL STATION INPUTS.
8. PROVIDE EXPANSION SWITCHES (ES-4808) AS REQUIRED FOR PROPER SYSTEM OPERATION.
9. PROVIDE SIGNAGE AT EACH AREA OF REFUGE STATION/LOCATION.
10. PROVIDE LIGHTED 'AREA OF REFUGE' SIGNAGE AT EACH ENTRANCE TO STAIRWELL FLOOR CONTAINING AN AREA STATION. CONNECT TO NEAREST EMERGENCY CIRCUIT SERVING EXIT SIGNS.
11. PROVIDE SUBMITTALS FOR REVIEW BY THE ENGINEER AS FOLLOWS:
    A. SYSTEM EQUIPMENT SUBMITTALS
    B. WIRING TYPES
    C. WIRING DIAGRAMS
    D. FLOOR PLANS WITH EQUIPMENT LOCATIONS
    E. ANTICIPATED INTERCONNECTING WIRING ROUTINGS
    F. SYSTEM OPERATION DESCRIPTION
    G. INSTALLER CERTIFICATES
    H. FIELD TEST REPORTS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER REQUIREMENTS
12. INSTALL IN ACCORDANCE WITH EQUIPMENT MANUFACTURER REQUIREMENTS.
13. PROVIDE EQUIPMENT IDENTIFICATION.
14. PROVIDE FIELD TESTING AND SUBMIT REPORTS.
15. TRAIN OWNERS PERSONNEL ON EQUIPMENT USE, PROCEDURES, TROUBLESHOOTING, SERVICING, AND ADJUSTING/MAINTAINING EQUIPMENT. PROVIDE A MINIMUM OF 4 HOURS OF TRAINING.

4 AREA OF REFUGE CALL SYSTEM SCHEMATIC DIAGRAM
FA0.01 SCALE: NOT TO SCALE

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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No.	Description	Date

FIRE ALARM RISER DIAGRAM

Scale	NOT TO SCALE
Drawn by	TJT
Date	08.28.26

FA0.01

Comission no. 25023O

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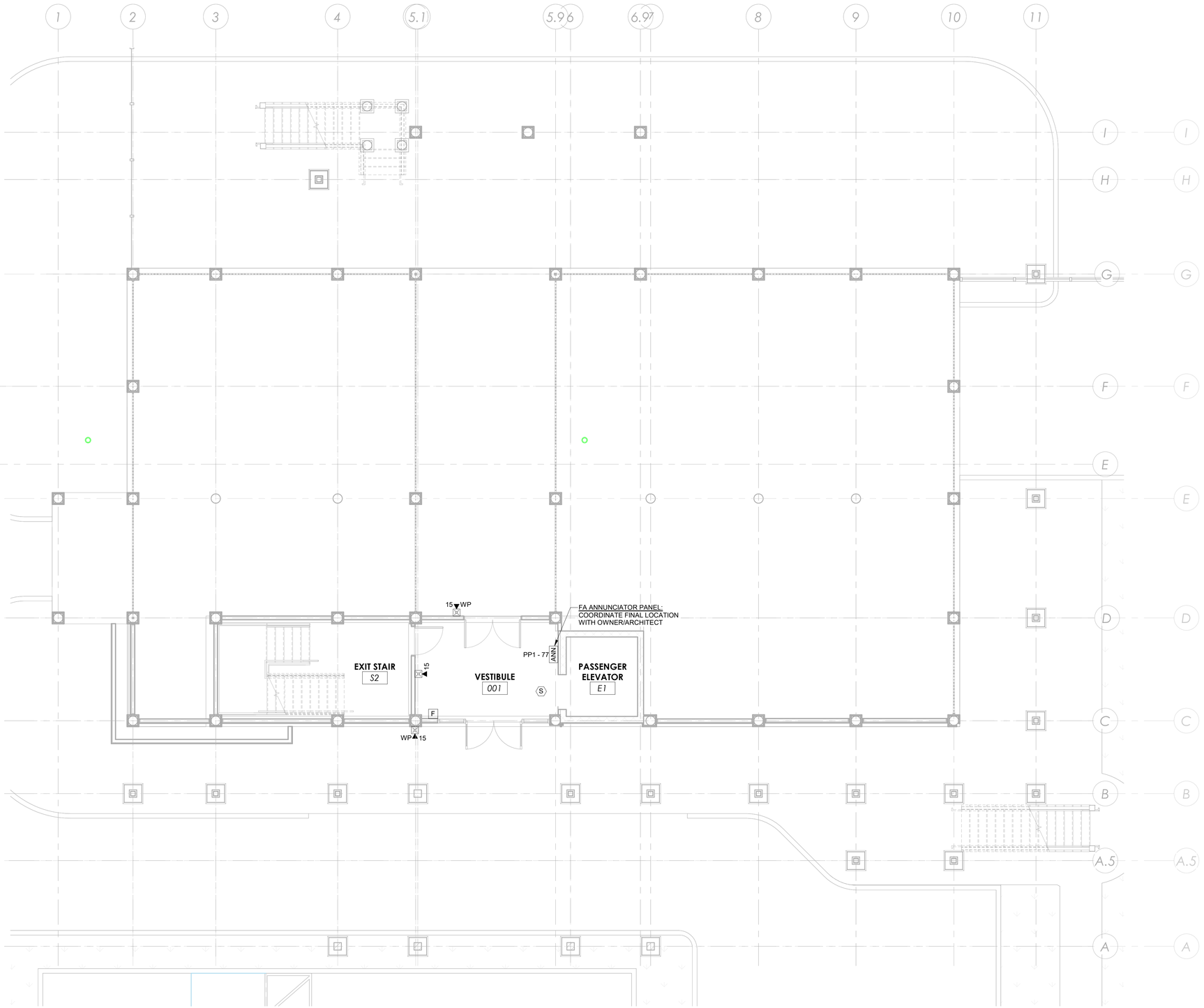

1 FA1.11 FIRE ALARM CRAWLSPACE PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

GENERAL ELECTRICAL NOTES

1. REFER TO ELECTRICAL SHEET E0.00 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
3. REFER TO BOOK SPECIFICATIONS FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS
4. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NATIONAL ELECTRICAL CODE (NEC) FOR SPECIFIED OVERCURRENT PROTECTION. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. ANY DISCREPANCY MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.
5. ELECTRICAL CONTRACTOR TO CIRCUIT AND ROUTE WIRING TO MINIMIZE TOTAL RUN LENGTH.
6. ALL HVAC AND REFRIGERATION CIRCUIT BREAKERS TO BE HACR RATED.
7. WHERE WALLS AND PARTITIONS ARE REQUIRED TO HAVE A MINIMUM 1-HOUR FIRE RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED. STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA ARE ACCEPTABLE PROVIDED THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA. OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES.
8. INSTALLATION OF ELECTRIC PANELS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 408.
9. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES / FUSES, AS REQUIRED BY CODE, WHETHER OR NOT THEY ARE INDICATED ON THE PLANS.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
12. EXPOSED EMT, CONDUIT AND SURFACE MOUNTED WIRING ARE NOT PERMITTED IN ANY FINISHED SPACE.
13. PROVIDE GROUNDING ELECTRODE CONDUCTORS AND BONDING JUMPERS FOR ALL DRY TYPE TRANSFORMERS. SEE DETAILS FOR REQUIREMENTS.
14. ALL EQUIPMENT AND EQUIPMENT ENCLOSURES SHALL BE PROPERLY BONDED AND GROUNDED PER NEC ARTICLE 250.
15. INSTALL NO MORE THAN THE EQUIVALENT OF (4) 90 - DEGREE BENDS IN ANY CONDUIT RUN BETWEEN JUNCTION BOX OR PULL POINTS.
16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
www.wmarch.net

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NEW CONSTRUCTION

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BID ISSUE

No.	Description	Date

FIRE ALARM CRAWLSPACE PLAN

Scale	*As indicated*
Drawn by	*TJT*
Date	*08.28.26*

FA1.11

Comission no. *25023O*

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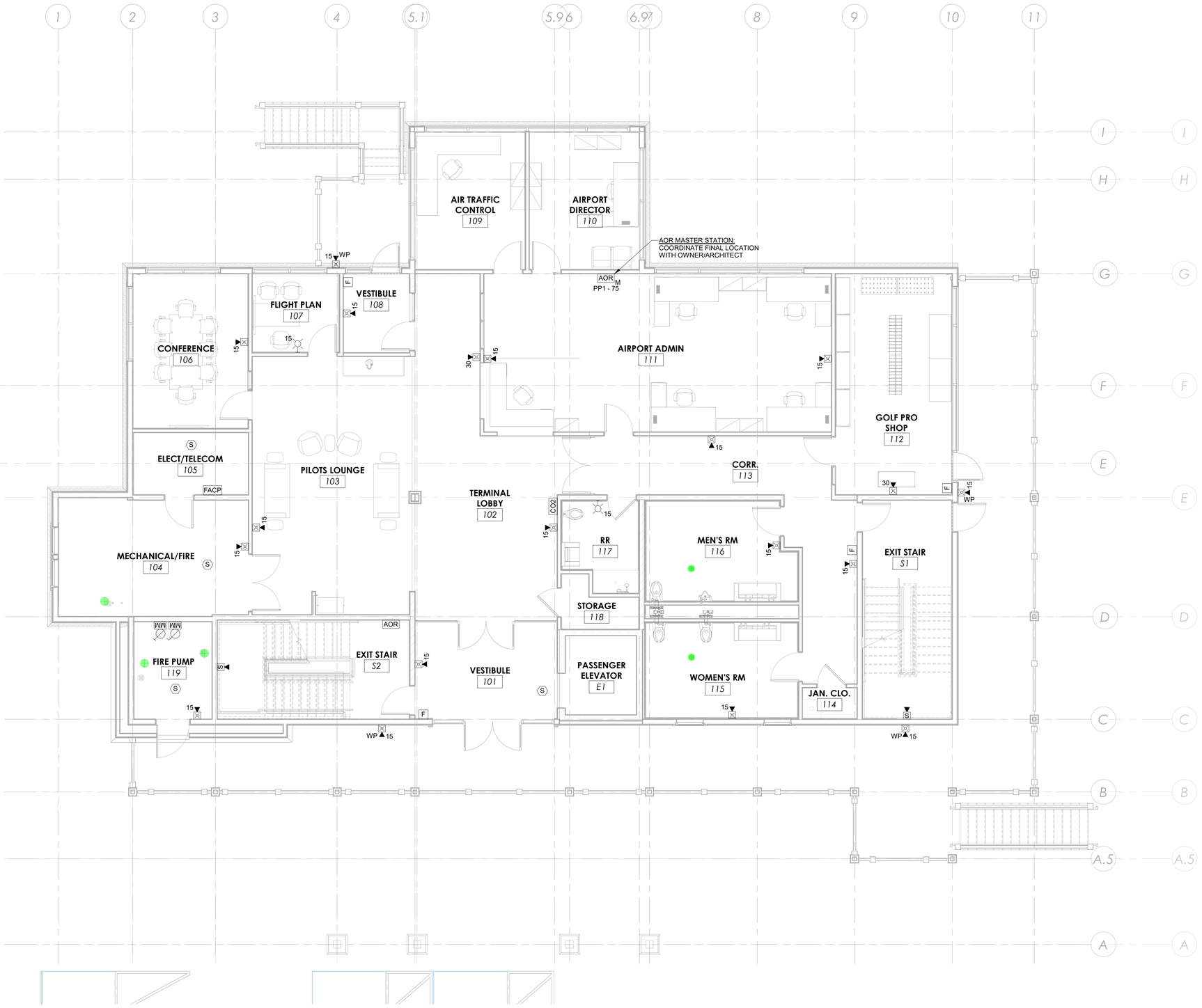

1 FIRE ALARM FIRST FLOOR PLAN

FA1.12 SCALE: 3/16" = 1'-0"

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

GENERAL ELECTRICAL NOTES

1. REFER TO ELECTRICAL SHEET E0.00 FOR PROJECT GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS.
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16. MODULAR FURNITURE SHALL BE FIXED-TYPE AND THE INSTALLATION SHALL COMPLY WITH NEC ARTICLE 605.

william mclees architecture
5 Macarthur Boulevard | Somers Point, NJ 08244
t:609.927.0888 | f: 609.927.0889
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No.	Description	Date

FIRE ALARM FIRST FLOOR PLAN

Scale	*As indicated*
Drawn by	*TJT*
Date	*08.28.26*

FA1.12

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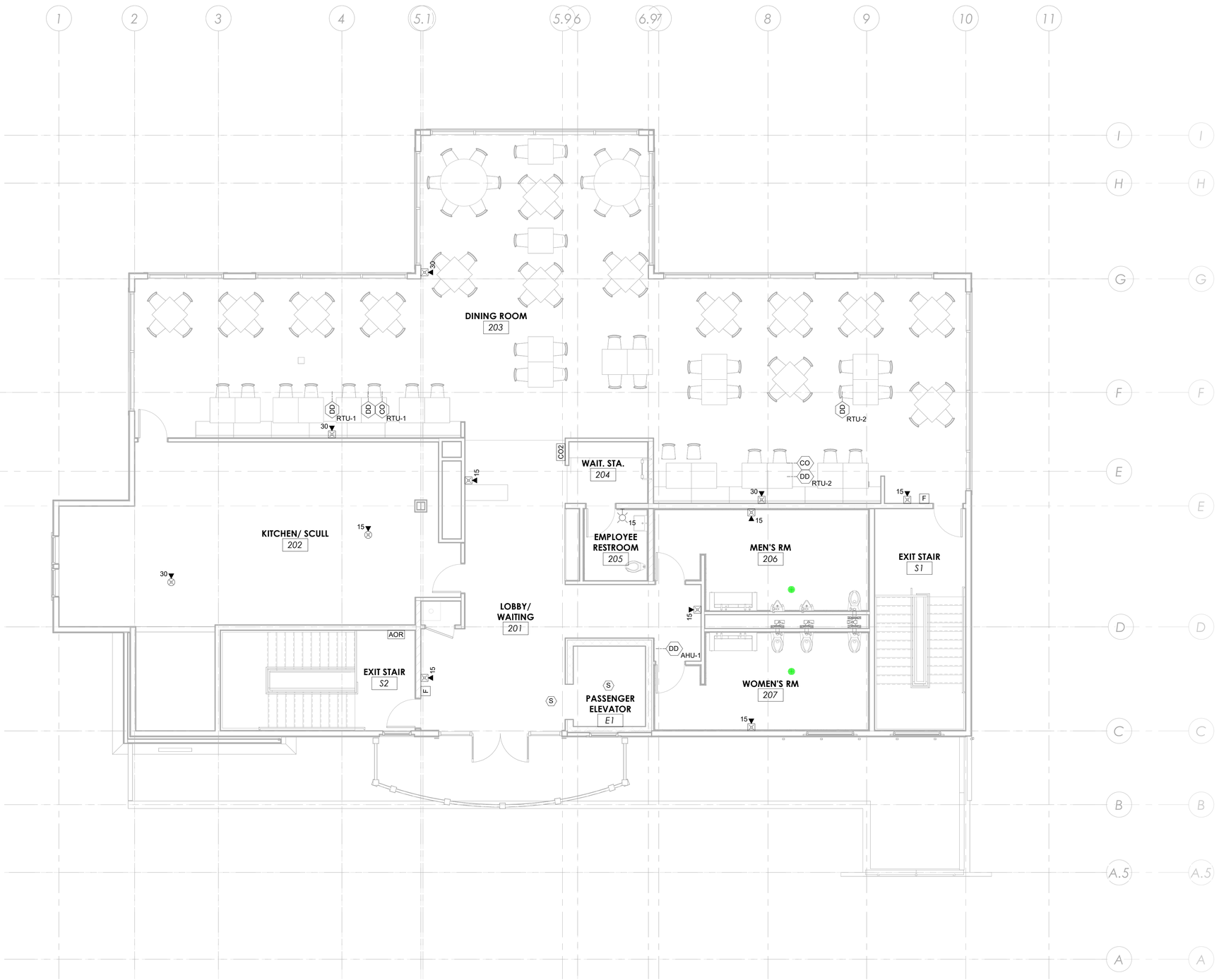

1 FA1.13 FIRE ALARM SECOND FLOOR PLAN

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

0' 1' 2' 4' 6' 12'

SCALE BAR: 3/16"=1'-0"

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william mclees architecture
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t:609.927.0888 | f: 609.927.0889
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FIRE ALARM SECOND FLOOR PLAN

Scale	*As indicated*
Drawn by	*TJT*
Date	*08.28.26*

FA1.13

Comission no. 25023O

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