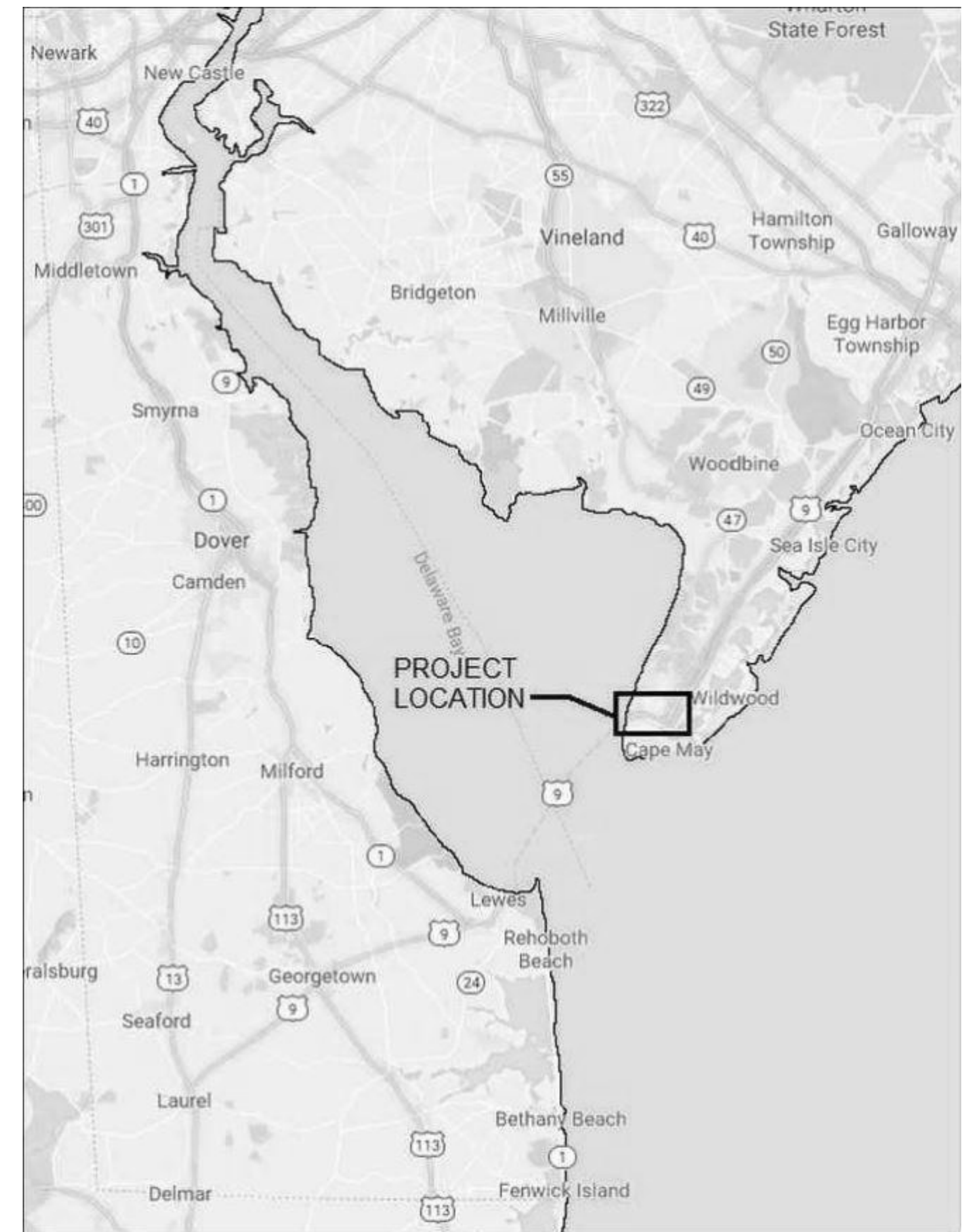


DRAWING LIST	
SHEET NUMBER	SHEET NAME
G-000	COVER SHEET
A-001	ARCHITECTURAL GENERAL NOTES
AP101	PHASING PLAN
AD101	DEMOLITION FLOOR PLAN
A-101	CONSTRUCTION PLANS
A-102	REFLECTED CEILING PLAN
A-401	ENLARGED PLANS, ELEVATIONS AND DETAILS
A-601	SCHEDULES AND DETAILS
A-801	EQUIPMENT PLAN
A-802	FINISH PLAN AND DETAILS
S-000	GENERAL NOTES, DESIGN CRITERIA, & SPECIAL INSPECTIONS
S-001	FRAMING PLAN
M-001	SYMBOLS, NOTES AND ABBREVIATIONS
M-101	OVERALL FLOOR PLAN
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E-001	SYMBOLS, NOTES & ABBREVIATIONS
E-020	FLOOR PLANS - ELECTRICAL - DEMOLITION
E-101	FLOOR PLANS - LIGHTING
E-201	FLOOR PLANS - POWER AND LOW-VOLTAGE
E-601	ELECTRICAL ONE-LINE DIAGRAMS AND DETAIL
E-701	ELECTRICAL SCHEDULES
E-702	ELECTRICAL SCHEDULES

DELAWARE RIVER AND BAY AUTHORITY CAPE MAY - LEWES FERRY

VESSEL MAINTENANCE SHOP RENOVATION
CONTRACT TASK 143 - PO#20230024
RENOVATION
NEW JERSEY



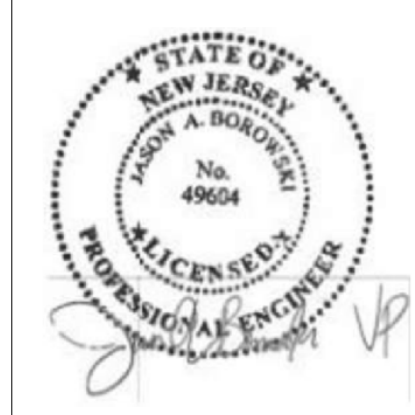
2 LOCATION MAP
NO SCALE



LOCATION OF PROJECT

1 SITE LOCATION MAP
NO SCALE

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COVER SHEET G-000

**GENERAL NOTES
(APPLY TO WORK PROVIDED UNDER DIV. 20):**

- PROVIDE LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE INSTALLATION OF THE COMPLETE MECHANICAL SYSTEMS AS SPECIFIED HEREIN AND INDICATED IN THE CONTRACT DOCUMENTS. OUTLINE DESCRIPTION AND DIAGRAMATIC REPRESENTATION OF SYSTEM OPERATION AND EQUIPMENT DOES NOT LIMIT CONTRACTOR LIABILITY FOR FURNISHING AND INSTALLING COMPLETE AND OPERABLE SYSTEMS.
- THE INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE CODE OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- "DRAWING NOTES" APPLY TO THE ENTIRE DRAWING ON WHICH THEY APPEAR, WHERE RELEVANT. "SPECIFIC NOTES" APPLY ONLY WHERE INDICATED WITH THE "SPECIFIC NOTE" SYMBOL. REFER TO LEGEND.
- DUCTWORK TO BE SHEET METAL UNLESS NOTED OTHERWISE.
- PROVIDE REQUIRED CLEARANCE FOR MAINTENANCE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR AS REQUIRED BY CODE FOR MECHANICAL AND PLUMBING EQUIPMENT.
- VERIFY THAT EXISTING EQUIPMENT THAT IS TO REMAIN IS FULLY FUNCTIONAL AND OPERATIONAL.
- INCLUDE IN THE BID PRICE THE PAYMENT OF NECESSARY PERMITS. FURNISH THE OWNER PRIOR TO THE FINAL PAYMENT A CERTIFICATE FROM THE INSPECTION DEPARTMENT HAVING JURISDICTION CERTIFYING THAT THE WORK MEETS THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITIES AND/OR THE NATIONAL BOARD OF FIRE UNDERWRITERS.
- COORDINATE WITH THE OWNER FOR SCHEDULING OF WORK.
- WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- KEEP THE WORK SITE AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH GENERATED BY WORK FROM THIS CONTRACT. PROPERLY AND LEGALLY DISPOSE OF MATERIALS.
- JOB SITE SAFETY SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- VISIT THE SITE AND CAREFULLY EXAMINE EXISTING CONDITIONS THAT MAY AFFECT THE BID.
- EXISTING MECHANICAL AND PLUMBING WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER MECHANICAL ITEMS RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED.
- WHERE EXISTING MECHANICAL AND PLUMBING WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONNECTED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH NEW WORK AS INDICATED IN THE CONTRACT DOCUMENTS AND AS SPECIFIED.
- DO NOT DISCONTINUE ANY MECHANICAL AND PLUMBING SYSTEM SERVICE WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE USER AGENCY. THE MECHANICAL SYSTEM OUTAGES SHALL BE KEPT TO A MINIMUM.
- PROVIDE SUBMITTALS (SHOP DRAWINGS) FOR REVIEW FOR NEW MATERIALS AND EQUIPMENT PRIOR TO SUBMITTING. REVIEW SUBMITTALS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, CONFLICTS WITH OTHER TRADES, AND CONSTRUCTABILITY. IDENTIFY ANY DEVIATIONS IN SUBMITTALS FROM CONTRACT DOCUMENTS. ENGINEER'S REVIEW OF SUBMITTALS DOES NOT INCLUDE REVIEW OF DIMENSIONS, DETAILS, OR QUANTITIES. REVIEW DOES NOT WAIVE ANY REQUIREMENTS OF CONTRACT DOCUMENTS, INCLUDING REQUIREMENT TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
- WHEN MOUNTING MECHANICAL AND PLUMBING WORK IN AREAS SUBJECT TO PEDESTRIAN TRAFFIC, MAINTAIN REQUIRED HEADROOM CLEARANCES.
- MECHANICAL AND PLUMBING MATERIALS AND EQUIPMENT SHALL BE INSTALLED AS TO MAINTAIN THEIR RESPECTIVE UL RATING AND SHALL CONFORM TO FACTORY MUTUAL STANDARDS AS APPLICABLE.
- MECHANICAL AND PLUMBING WORK SHALL BE CONCEALED IN FINISHED AREAS SHOWN ON THE ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIFFUSER LOCATIONS AND THE ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL EQUIPMENT LOCATIONS. LOCATIONS OF MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT LOCATIONS IN THE FIELD.
- WHERE NEW OR RELOCATED CONTROL DEVICES ARE SHOWN ON EXISTING WALLS, CUT WALL, INSTALL DEVICE AND CONDUIT, AND REPAIR WALL PROPERLY TO ITS ORIGINAL CONDITION.
- SEALING FITTINGS AND APPROVED SEALING COMPOUND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE. SEAL AROUND PENETRATIONS OF FIRE-RATED WALLS WITH AN APPROVED SEALANT.
- LOCATIONS OF DUCTWORK, AIR DEVICES, TEMPERATURE CONTROLS, AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL LAYOUTS, EQUIPMENT CUTS AND ELECTRICAL PLANS. NO WORK SHALL BE INSTALLED UNTIL THE LOCATIONS HAVE BEEN VERIFIED. BRING ANY DISCREPANCY TO THE ARCHITECT'S ATTENTION PRIOR TO MANUFACTURING OF DUCTWORK OR INSTALLATION.
- NORTH ARROWS ON THESE DRAWINGS INDICATE PLAN NORTH ONLY.
- INSTALL A MANUAL VOLUME DAMPER IN EACH BRANCH DUCT THAT RUNS TO (1) AIR DEVICE.
- PROVIDE PIPE SLEEVE FOR PIPING PENETRATIONS THROUGH RATED SLABS OR WALLS.
- IN AREAS WHERE WORK IS INSTALLED IN CLOSE PROXIMITY TO WORK OF OTHER TRADES OR WITHIN TRADES COVERED BY THIS DIVISION OF THE SPECIFICATIONS, PREPARE LARGER SCALE DRAWINGS CONSISTING OF PLANS AND SECTIONS TO SHOW HOW WORK IS TO BE INSTALLED IN RELATION TO WORK OF OTHER TRADES.
- SEALING FITTINGS AND APPROVED SEALING COMPOUND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE. SEAL AROUND PENETRATIONS OF FIRE-RATED WALLS WITH AN APPROVED SEALANT.
- DRAINAGE PIPING SHALL RUN AT 1% SLOPE MINIMUM, UNLESS NOTED OTHERWISE.

**GENERAL DEMOLITION NOTES
(APPLY TO WORK PROVIDED UNDER DIV. 20):**

- DEMOLITION WORK IS GENERALLY INDICATED AS PART OF THESE NOTES AND THE NOTES INDICATED ON THE ARCHITECTURAL DEMOLITION PLANS.
- VERIFY THAT EXISTING PIPING, EQUIPMENT, ETC. THAT IS CALLED FOR REMOVAL IS NO LONGER IN SERVICE BEFORE BEGINNING DEMOLITION.
- THE DEMOLITION NOTES INDICATE THE MAIN COMPONENTS OF SYSTEMS AND EQUIPMENT THAT SHALL BE REMOVED UNDER THIS CONTRACT. IF SYSTEMS AND EQUIPMENT ARE FOUND DURING CONSTRUCTION THAT THE OWNER AUTHORIZES FOR REMOVAL BUT HAVE NOT BEEN SPECIFICALLY CALLED FOR DEMOLITION, REMOVE THE SYSTEMS AND EQUIPMENT.
- WHEN THE WORK SPECIFIED HEREUNDER CONNECTS TO ANY EXISTING EQUIPMENT, PIPING, ETC., PERFORM NECESSARY ALTERATIONS, CUTTING, FITTING, ETC. OF THE EXISTING WORK AS MAY BE NECESSARY OR REQUIRED TO MAKE SATISFACTORY CONNECTIONS BETWEEN THE NEW AND EXISTING WORK AND LEAVE THE COMPLETE WORK IN A FINISHED AND WORKMANLIKE CONDITION.
- WHEN THE WORK SPECIFIED UNDER OTHER DIVISIONS NECESSITATES RELOCATION OF EXISTING EQUIPMENT, PIPING, ETC. PERFORM WORK AND MAKE NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION.
- REMOVE FROM THE PREMISES AND DISPOSE OF EXISTING PIPING, MATERIAL, FIXTURES, EQUIPMENT, ETC. NOT REQUIRED FOR RE-USE OR RE-INSTALLATION.
- DELIVER ON THE PREMISES WHERE DIRECTED EXISTING MATERIAL AND EQUIPMENT WHICH IS REMOVED AND IS DESIRED BY THE OWNER OR IS INDICATED TO REMAIN THE PROPERTY OF THE OWNER.
- OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- PIPING ABANDONED IN CONCRETE SLABS, WALLS, OR OTHER INACCESSIBLE LOCATIONS SHALL BE LEFT EMPTY.

**GENERAL NOTES : FIRE PROTECTION
(APPLY TO WORK PROVIDED UNDER DIV. 20):**

- THE GENERAL NOTES OF SECTION 20 APPLY TO WORK PERFORMED UNDER THIS SECTION.
- DESIGN AND PROVIDE A COMPLETE FIRE SUPPRESSION SYSTEM. THIS SYSTEM SHALL INCLUDE THE NECESSARY DEVICES, APPURTENANCES, ETC., TO PROVIDE A FULLY FUNCTIONAL SYSTEM CONFORMING TO THE REQUIREMENTS OF THE APPLICABLE NFPA STANDARDS AND THE LOCAL OFFICE OF THE FIRE MARSHAL AND/OR THE AUTHORITY HAVING JURISDICTION (AHJ).
- A SET OF FIRE SUPPRESSION SYSTEM SHOP DRAWINGS AS REQUIRED BY NFPA AND LOCAL JURISDICTION SHALL BE SUBMITTED TO THE ARCHITECT FOR GENERAL REVIEW. AFTER GOVERNMENTAL AND REGULATORY AGENCY APPROVALS HAVE BEEN OBTAINED, PROVIDE A COPY OF THE APPROVED SHOP DRAWINGS TO THE ARCHITECT FOR RECORD PURPOSES. THE SUBMITTAL SHALL INCLUDE MANUFACTURER'S DATA SHEETS AND HYDRAULIC CALCULATIONS. NO INSTALLATION OF THE SYSTEM SHALL BE MADE UNTIL APPROVAL FROM THE APPLICABLE AHJ IS OBTAINED. SYSTEM SHOWN ON THE CONTRACT DRAWINGS IS SCHEMATIC AND IS INTENDED FOR USE AS A GUIDE. DEPARTURES FROM THE SYSTEM INDICATED ON THE CD'S SHALL BE SPECIFICALLY CALLED OUT IN THE SHOP DRAWING SUBMITTALS.
- THE EXISTING BUILDING IS SPRINKLERED AND THAT SYSTEM IS TO BE MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW WORK.

SPECIFIC NOTES - HVAC DEMO OVERALL	
MD1	EXISTING TO REMAIN COMPRESSED AIR HOSE REEL.

SPECIFIC NOTES - HVAC OVERALL	
M1	EXISTING COMPRESSED AIR HOSE REEL.
M2	PLACE WIRE MESH SCREEN ON OPEN END OF DUCT.
M3	OFFICE FAN COIL UNIT SHALL BE INTERLOCKED WITH MOTOR OPERATED DAMPER (MOD) #1. WHEN FAN COIL UNIT ENTERS OCCUPIED MODE MOD #1 SHALL BE ENERGIZE AND SHIFT TO THE OPEN POSITION.
M4	EXISTING EXHAUST FAN SHALL BE INTERLOCKED WITH MOTOR OPERATED DAMPER (MOD) #2. WHEN FAN IS ENERGIZED THE MOD SHALL BE OPEN.
M5	PROVIDE FAN WITH 2' EXTENSION TUBE. FIELD CUT AS REQUIRED IN ORDER TO MAINTAIN THE MANUFACTURER DIRECTED 2' BOTTOM CLEARANCE. NOTE THAT THE TOP OF EXISTING CRANE IS APPROXIMATELY 16'-4" AFF. PROVIDE STRUCTURAL SUPPORTS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS.
M6	PROVIDE MANUFACTURER'S STANDARD WALL CAP FITTING AND LOCATE HIGH ON WALL.
M7	GAS RADIANT HEATER VENT AND COMBUSTION AIR SHALL BE SIZED AND ROUTED ACCORDING TO MANUFACTURER SPECIFICATIONS.
M8	COORDINATE EXTERIOR ROUTING WITH BUILDING STRUCTURE. PIPING TO BE AS HIGH AS POSSIBLE AND PROVIDE SUPPORTS AS REQUIRED AND SEAL WALL PENETRATIONS.
M9	EXACT LOCATION TO BE FIELD COORDINATED.
M10	PROVIDE UNIT WITH 4" CONCRETE PAD ON GRADE. PAD TO EXTEND 6" BEYOND THE UNIT FOOTPRINT.
M11	6" DIA. OA TO TERMINATE AS WALL CAP WITH BIRDSCREEN.
M12	PROVIDE SHUT-OFF VALVE IN EXISTING BRANCH TO BOILERS AND ON NEW GAS BRANCH LINE WHICH EXTENDS TO NEW HVAC EQUIPMENT.
M13	PROVIDE CONCENTRIC VENT WALL FITTING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
M14	COORDINATE MOUNTING HEIGHT WITH EXISTING CONDITIONS TO MAINTAIN ALL REQUIRED MANUFACTURER CLEARANCES.

MECHANICAL LEGEND

SYMBOL	ABBREV	DESCRIPTION
	H	HEATING WATER SUPPLY
	HR	HEATING WATER RETURN
	RS	REFRIGERANT SUCTION
	RL	REFRIGERANT LIQUID
	SP_SAN	SANITARY PIPE
	SW	STORM WATER
	CA	COMPRESSED AIR
	CO	CLEANOUT
	VP	VENTPIPE
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER CIRCULATING
		FLOW METER FITTING
		REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	TP	TRAP PRIMER
		RELIEF VALVE
	MAV	MANUAL AIR VALVE
	AAV	AUTOMATIC AIR VALVE
		STRAINER/WALVE
		UNION
	SA	SHOCK ABSORBER
		FLOW SWITCH
		THERMOMETER
		THERMOMETER WELL
		PRESSURE GAUGE W/ SYPHON & NEEDLE VALVE
		PRESSURE GAUGE W/NEEDLE VALVE
	PG	PRESSURE GAUGE TAPPING
		PIPE GUIDE
		ANCHOR
	TCV	TEMPERATURE CONTROL VALVE (2-WAY)
	TCV	TEMPERATURE CONTROL VALVE (3-WAY)
		DRIP POINT
		STEAM TRAP ASSEMBLY (THERMODYNAMIC)
		BUCKET TRAP
	F&T	FLOAT AND THERMOSTATIC TRAP
		FLEXIBLE PIPE CONNECTION
		OS&Y VALVE W/ TAMPER SWITCH
		SHUTOFF VALVE
		CHECK VALVE
	BWV	BACK WATER VALVE
	PRV	PRESSURE REDUCING VALVE
		PIPE TURNING UP
		PIPE TURNING DOWN
		TEE TURNING UP
		TEE TURNING DOWN
		THERMOSTAT
		CARBON MONOXIDE SENSOR
		NITROGEN DIOXIDE SENSOR
		AIR SENSOR
		SWITCH
		FAN CONTROLLER
		SUPPLY DUCT TURNED UP
		SUPPLY DUCT TURNED DOWN
		RETURN OR OUTSIDE AIR DUCT TURNED UP
		RETURN OR OUTSIDE AIR DUCT TURNED DOWN
		EXHAUST AIR DUCT TURNED UP
		EXHAUST AIR DUCT TURNED DOWN

ABBREV	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET HOUR
CFM	CUBIC FEET MINUTE
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EX	EXISTING
EXH	EXHAUST
EXTR	EXISTING TO REMAIN
(FLOOR PLAN-M-1)	FOR CONTINUATION SEE FLOOR PLAN ON DRAWING M-1
FTR	FIN-TUBE RADIATION
GR	GRILLE
GPM	GALLONS PER MINUTE
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSAND BTU/HR
OA	OUTSIDE AIR
PD	PRESSURE DROP
RA	RETURN AIR
REG	REGISTER
RX	REMOVE EXISTING
SA	SUPPLY AIR
TSP	TOTAL STATIC PRESSURE
V-PH	VOLT-PHASE
VP	VENT PIPE

DRAWING LIST - MECHANICAL	
SHEET NUMBER	SHEET NAME
M-001	SYMBOLS, NOTES AND ABBREVIATIONS
M-101	OVERALL FLOOR PLAN
M-102	FIRST FLOOR - HVAC PLAN
M-501	MECHANICAL DETAILS
M-601	GAS ISOMETRIC DIAGRAM AND ATC NOTES
M-701	MECHANICAL SCHEDULES



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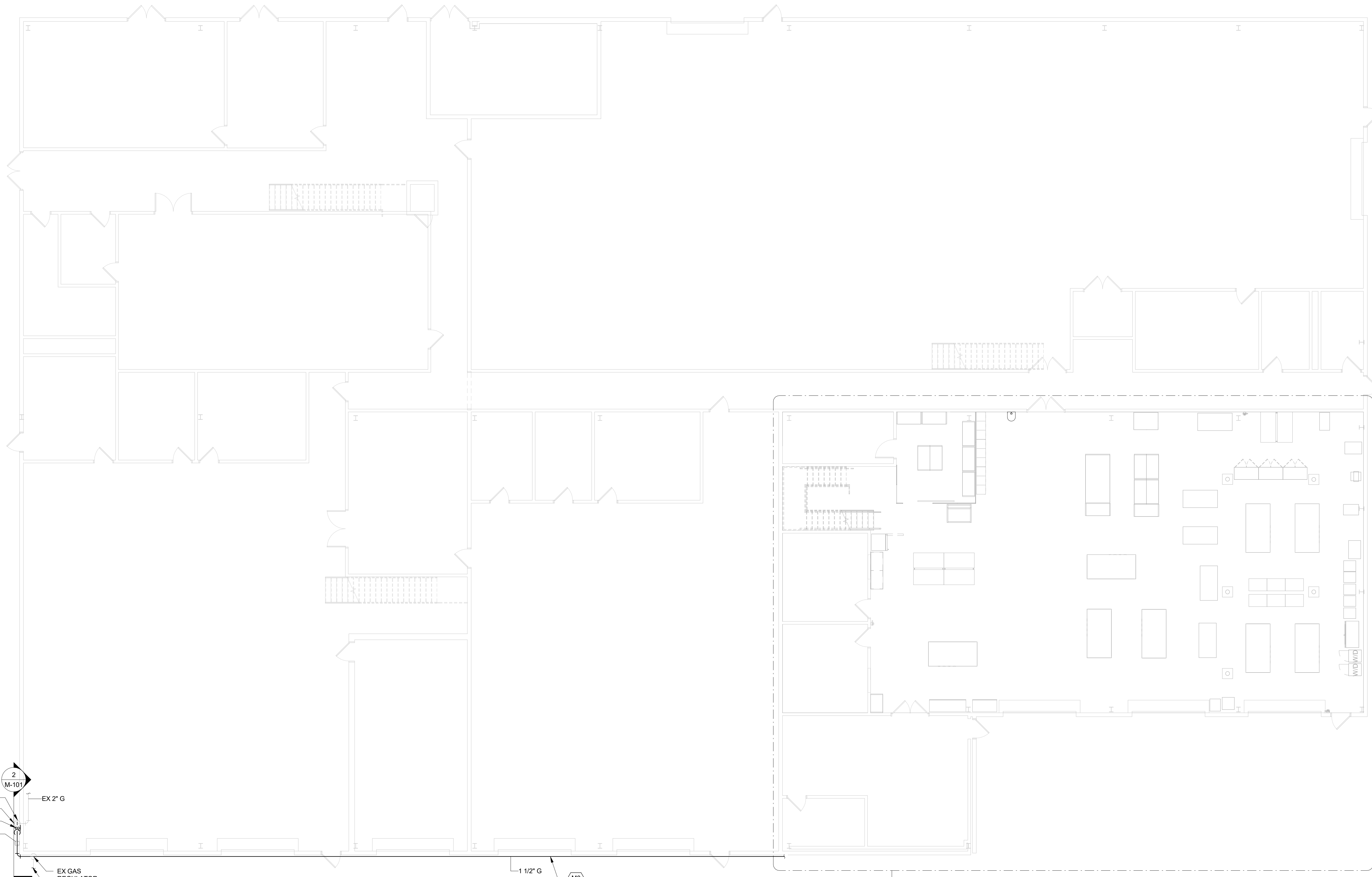
**DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY**

**VESSEL MAINTENANCE SHOP
RENOVATION**

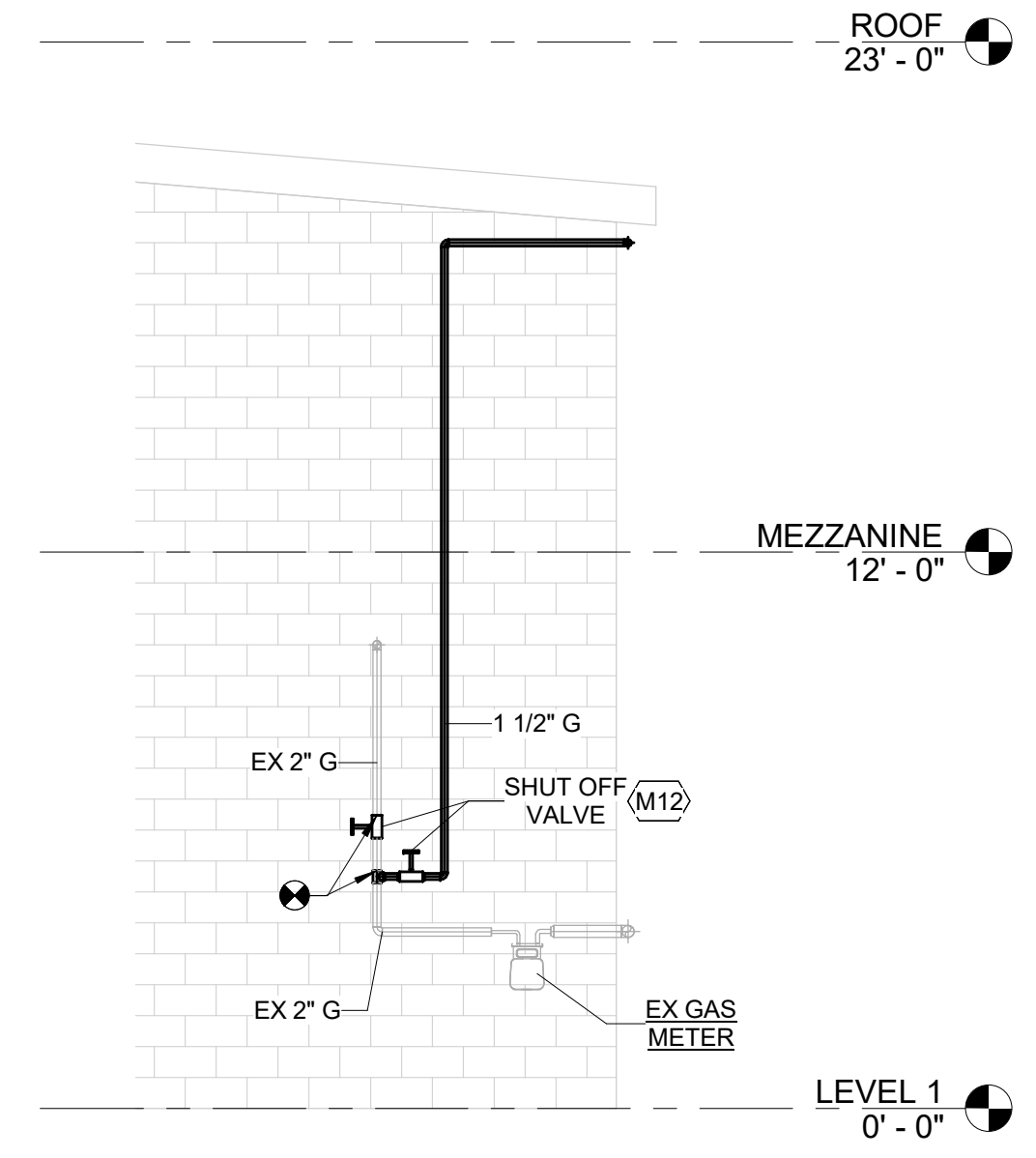
**SYMBOLS, NOTES AND
ABBREVIATIONS** M-001

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 13 OF 25

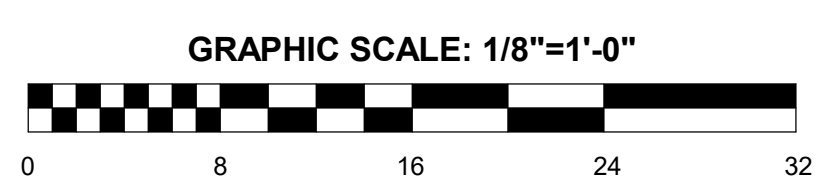
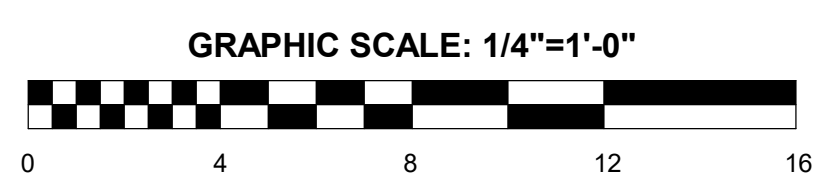
SPECIFIC NOTES - HVAC NEW	
M8	COORDINATE EXTERIOR ROUTING WITH BUILDING STRUCTURE. PIPING TO BE AS HIGH AS POSSIBLE AND PROVIDE SUPPORTS AS REQUIRED AND SEAL WALL PENETRATIONS.
M12	PROVIDE SHUT-OFF VALVE IN EXISTING BRANCH TO BOILERS AND ON NEW GAS BRANCH LINE WHICH EXTENDS TO NEW HVAC EQUIPMENT.



1 OVERALL FLOOR PLAN - HVAC
1/8" = 1'-0"



2 SECTION - GAS METER AND GAS PIPING
1/4" = 1'-0"



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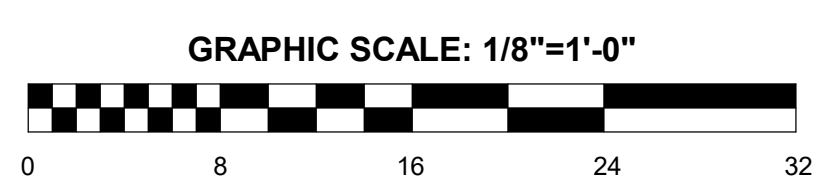
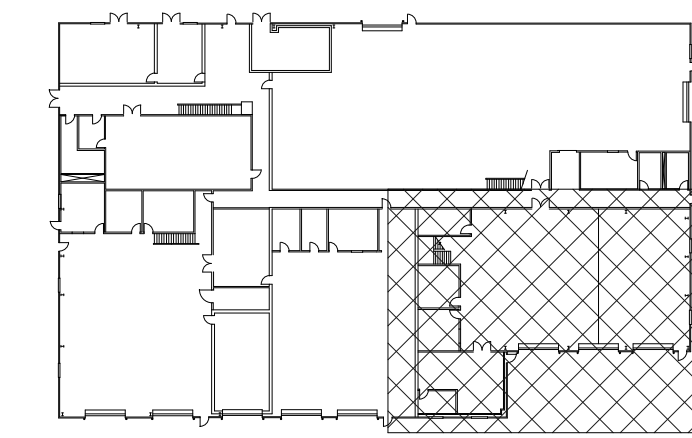
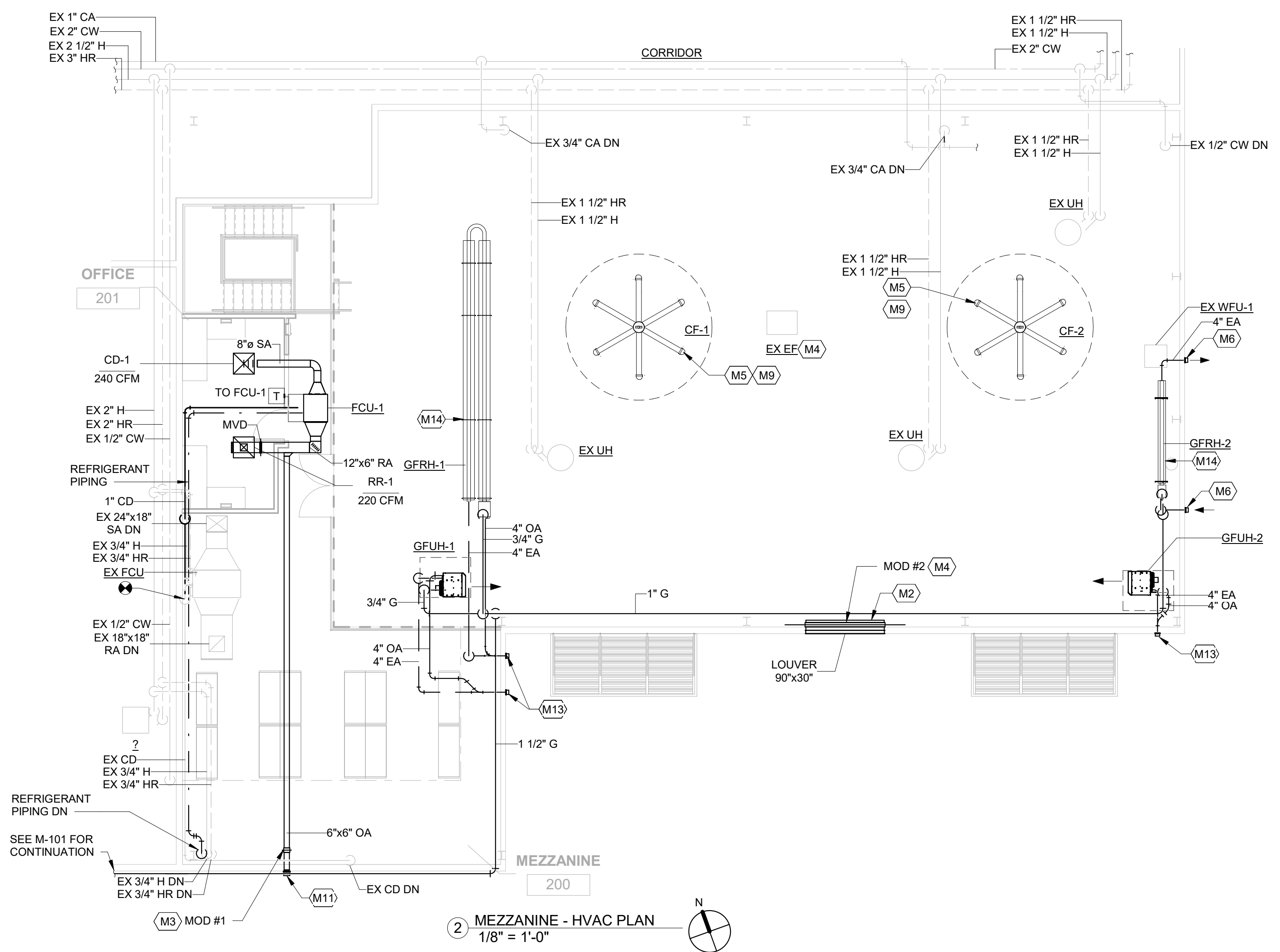
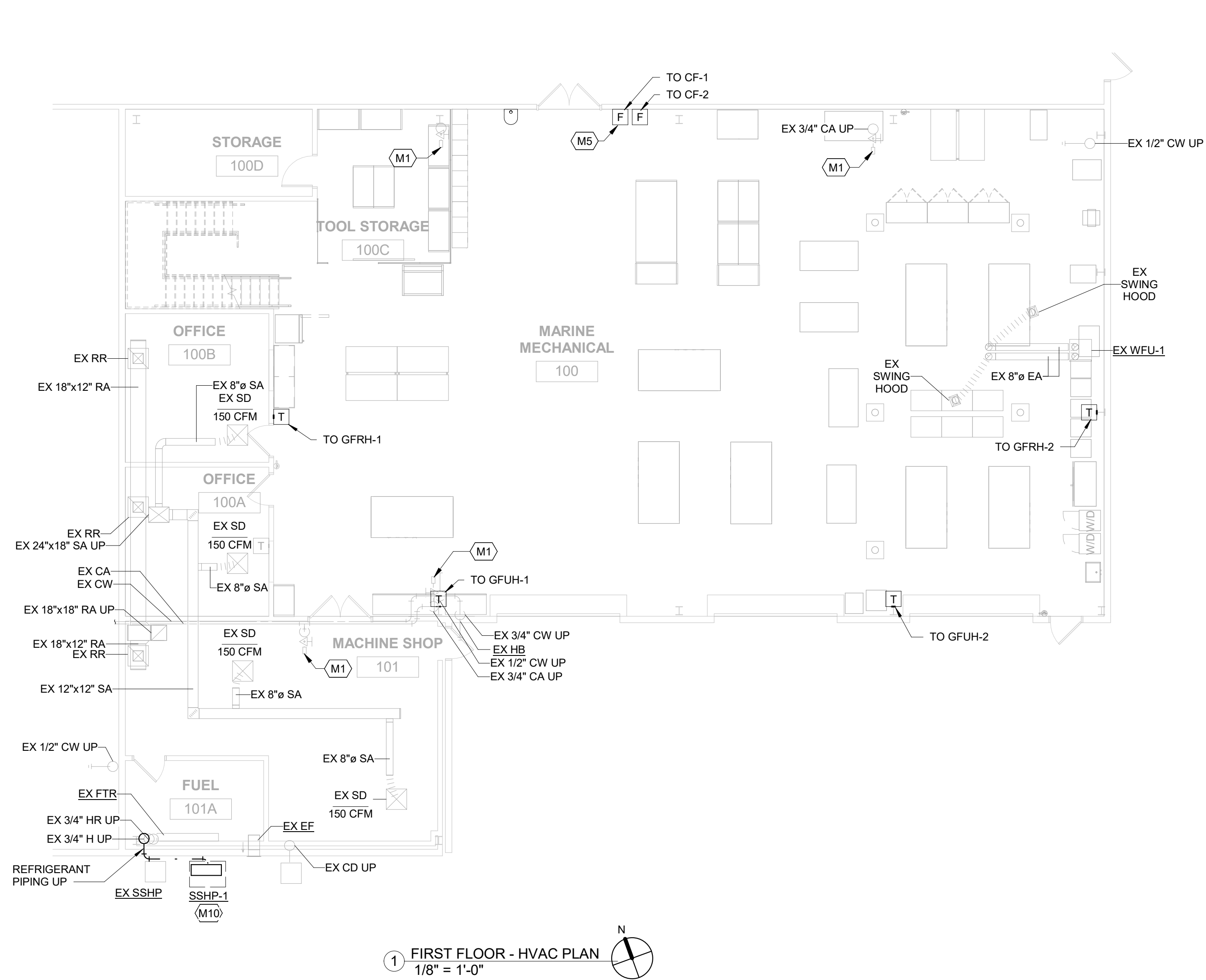
DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY

VESSEL MAINTENANCE SHOP
RENOVATION

OVERALL FLOOR PLAN M-101

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 14 OF 25

SPECIFIC NOTES - HVAC NEW	
M1	EXISTING COMPRESSED AIR HOSE REEL.
M2	PLACE WIRE MESH SCREEN ON OPEN END OF DUCT.
M3	OFFICE FAN COIL UNIT SHALL BE INTERLOCKED WITH MOTOR OPERATED DAMPER (MOD) #1. WHEN FAN COIL UNIT ENTERS OCCUPIED MODE MOD #1 SHALL BE ENERGIZE AND SHIFT TO THE OPEN POSITION.
M4	EXISTING EXHAUST FAN SHALL BE INTERLOCKED WITH MOTOR OPERATED DAMPER (MOD) #2. WHEN FAN IS ENERGIZED THE MOD SHALL BE OPEN.
M5	PROVIDE FAN WITH 2' EXTENSION TUBE. FIELD CUT AS REQUIRED IN ORDER TO MAINTAIN THE MANUFACTURER DIRECTED 2' BOTTOM CLEARANCE. NOTE THAT THE TOP OF EXISTING CRANE IS APPROXIMATELY 16'-4" AFF. PROVIDE STRUCTURAL SUPPORTS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS.
M6	PROVIDE MANUFACTURER'S STANDARD WALL CAP FITTING AND LOCATE HIGH ON WALL.
M9	EXACT LOCATION TO BE FIELD COORDINATED.
M10	PROVIDE UNIT WITH 4" CONCRETE PAD ON GRADE. PAD TO EXTEND 6" BEYOND THE UNIT FOOTPRINT.
M11	6" DIA. OA TO TERMINATE AS WALL CAP WITH BIRDSCREEN.
M13	PROVIDE CONCENTRIC VENT WALL FITTING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
M14	COORDINATE MOUNTING HEIGHT WITH EXISTING CONDITIONS TO MAINTAIN ALL REQUIRED MANUFACTURER CLEARANCES.



DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY
VESSEL MAINTENANCE SHOP
RENOVATION

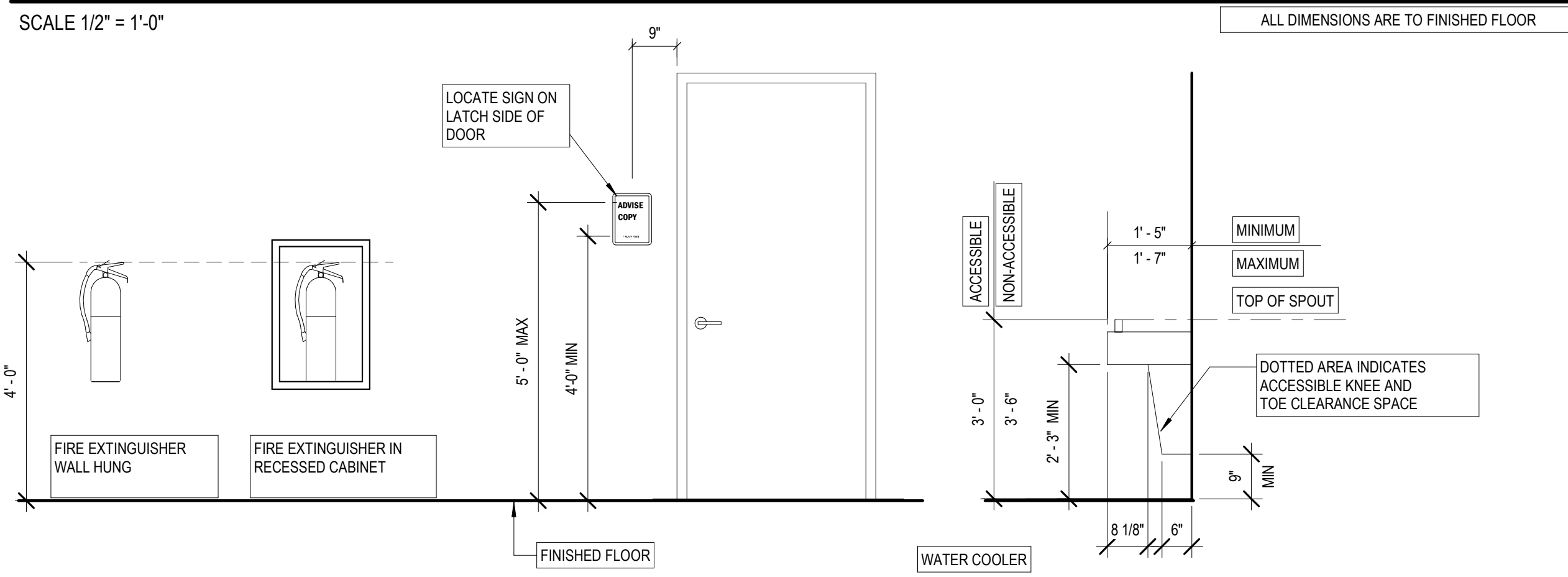
FIRST FLOOR - HVAC PLAN M-102

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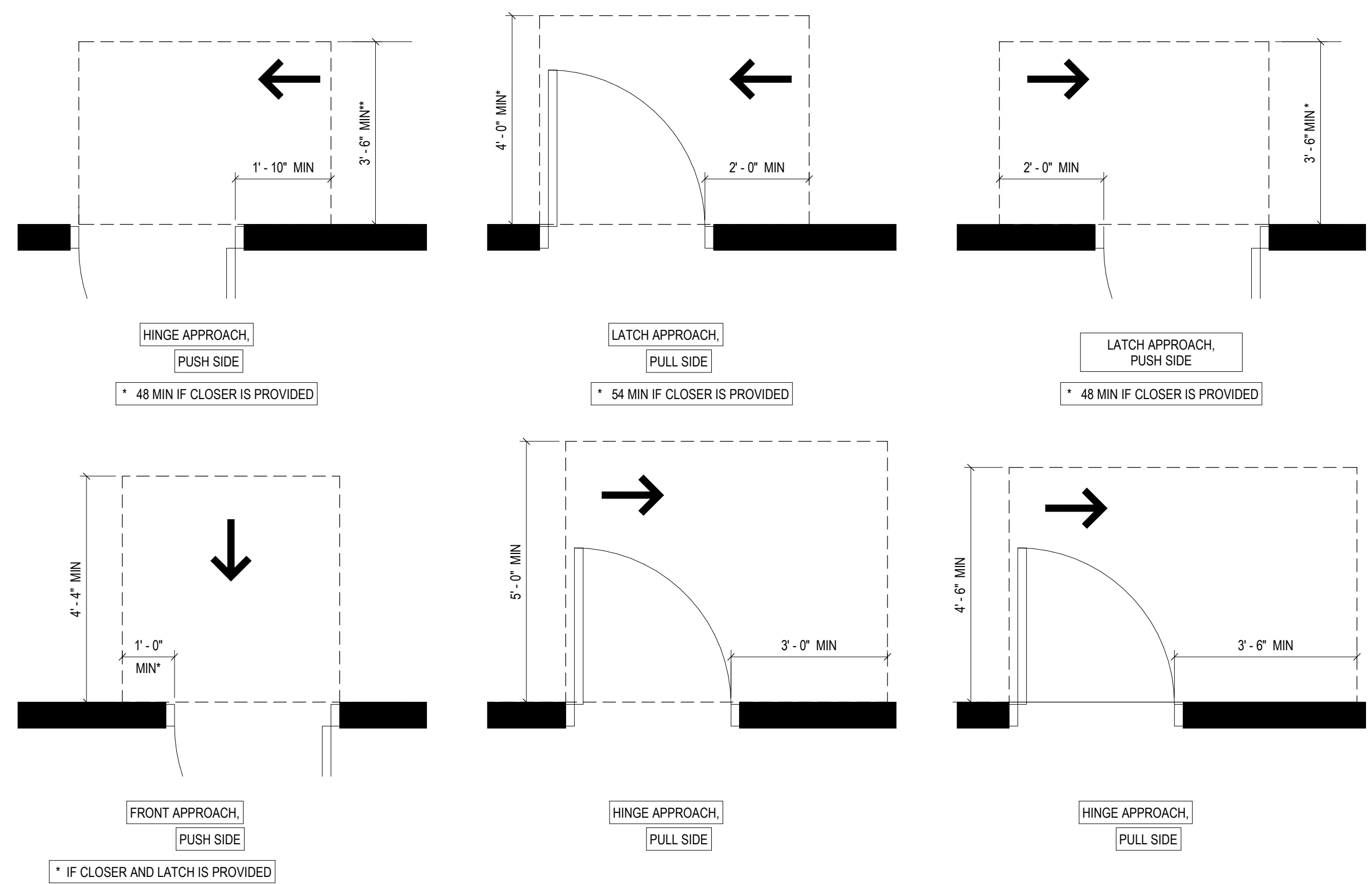
TYPICAL MOUNTING HEIGHTS

SCALE 1/2" = 1'-0"



TYPICAL DOOR SWING CLEARANCE MINIMUM REQUIREMENTS

SCALE 1/2" = 1'-0"

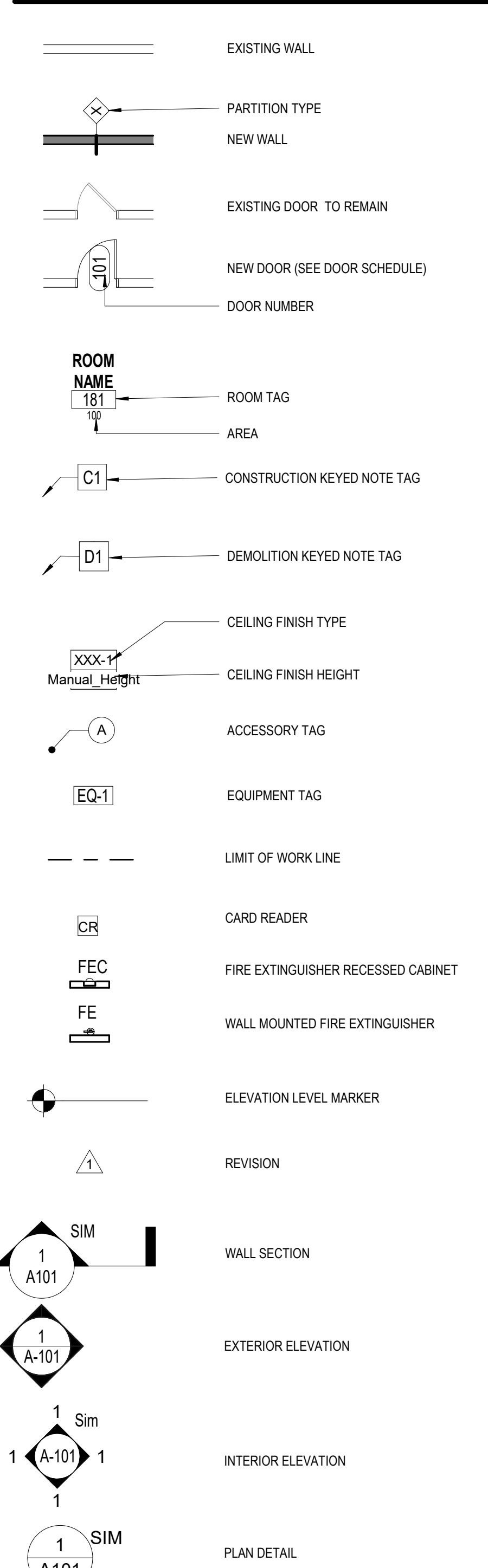


ABBREVIATIONS	
@	AT
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
APPROX.	APPROXIMATE
ARCH	ARCHITECTURAL
BD	BOARD
BDY	BOUNDARY
BEL	BELOW
BET	BETWEEN
BLKG	BLOCKING
BOS	BOTTOM OF STRUCTURE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	CENTER
CONC	CONCRETE
DEMO	DEMOLITION
DWG	DRAWING
EQ	EQUAL
ETR	EXISTING TO REMAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
GALV	GALVANIZED

ABBREVIATIONS	
HDW	HARDWARE
HM	HOLLOW METAL
IN	INCH
INFO	INFORMATION
JAN	Janitor
LAM	LAMINATE
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
PLM	PLASTIC LAMINATE
PLMBG	PLUMBING
PT	PAINT
QTY	QUANTITY
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
REQD	REQUIRED
SCHED	SCHEDULE
SPECS	SPECIFICATIONS
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
THK	THICK

ABBREVIATIONS	
TYP	TYPICAL
LUL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VF	VINYL FABRIC
VIF	VERIFY IN THE FIELD
VIN	VINYL
WI	WITH
WD	WOOD
WF	WIDE FLANGE
WWF	WELDED WIRE FABRIC

GENERAL SYMBOLS LEGEND



GENERAL NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE BUILDING CODES, ORDINANCES, AND REGULATORY AGENCIES. THE AUTHORITY IS NOT SUBJECT TO ANY LOCAL CODES OR ORDINANCES OR REGULATIONS AND THEREFORE THE CONTRACTOR SHALL NOT CONTRACT OR SEEK INSPECTION OR PERMIT APPROVAL FROM ANY OUTSIDE AGENCY.
- ALL EXISTING, IN-PLACE, AND NEW WORK SHALL BE PROTECTED. THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND VERIFY DIMENSIONS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES, OMISSIONS, CONFLICTS, AND/OR ANY RESTRICTIONS RELATED TO THE EXECUTION OF WORK, BEFORE COMMENCEMENT OF WORK.
- COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF ALL NEW OR EXISTING CONDITIONS.
- THE CONTRACTOR SHALL COMPLY AND COORDINATE ALL WORK WITH BUILDING OWNER REGARDING HEAT, WATER, ELECTRICITY, DELIVERIES, ACCESS, ELEVATOR AVAILABILITY, NOISE CONTROL, TRASH AND DEBRIS REMOVAL, HOISTING, ODOR, DUST AND ANY OTHER UTILITIES OR OWNER'S RULES AND REGULATIONS CONCERNING THE PROJECT SITE.
- THE CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOCATIONS, AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY OWNER OR BY OTHERS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND IS RESPONSIBLE FOR ALL PHASES, INCLUDING BIDDING, FABRICATION, COORDINATION, AND CONSTRUCTION.
- THE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE DRAWINGS ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REPETITIVE FEATURES NOT NOTED ON THE DRAWINGS SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. DIMENSIONS GOVERN. LARGE SCALE DRAWINGS GOVERN OVER SMALL SCALE DETAILS. ACTUAL FIELD MEASURED DIMENSIONS GOVERN.
- CHANGES IN DRAWINGS OR ACTUAL WORK SHALL BE ISSUED ONLY BY THE ARCHITECT/ENGINEER.
- PERFORM ALL WORK AND INSTALL MATERIALS IN STRICT ACCORDANCE TO APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS AND SPECIFICATIONS FOR QUALITY OF MATERIALS AND WORKMANSHIP, AS WELL AS REQUIREMENTS IN THESE DRAWINGS AND SPECIFICATION. ANY CONFLICTING REQUIREMENTS OF THE SOURCES LISTED ABOVE SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.
- MANUFACTURERS ARE REFERENCED TO ESTABLISH STYLE, SIZE, COLOR, AND MATERIAL CHARACTERISTICS, AND ARE NOT INTENDED TO LIMIT SELECTIONS FROM OTHER MANUFACTURERS. WHEN AN ALTERNATE SELECTION IS SUBMITTED, SUBMITTALS SHALL HAVE INCLUDED THE MATERIAL LISTED FOR COMPARISON.
- THE CONTRACTOR SHALL EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES PRIOR TO INSTALLATION. START OF INSTALLATION SHALL IMPLY ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE ARCHITECT OF ANY EXISTING CONSTRUCTION NOT LEVEL, SMOOTH, AND PLUMB WITHIN INDUSTRY STANDARDS PRIOR TO START OF CONSTRUCTION.
- WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES, OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED, BY THE CONTRACTOR, AT NO ADDITIONAL CHARGE TO THE OWNER.
- ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- EXIT DOORS, EGRESS DOORS, AND OTHER DOORS REQUIRED FOR MEANS OF EGRESS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT AT ALL TIMES DURING THE PROJECT.
- DIMENSIONS ARE FROM FACE OF MASONRY OR FACE OF METAL FRAMING, TYPICAL UNLESS NOTED OTHERWISE. MASONRY DIMENSIONS ARE NOMINAL.
- UNLESS NOTED OTHERWISE, ALL ROUGH (RO) OPENINGS FOR DOORS IN STUD WALLS, NOT LOCATED BY DIMENSIONS ON PLANS OR IN DETAILS, SHALL BE 6" AWAY FROM FRAMING TO ADJACENT PERPENDICULAR WALL, FACE OF STUD.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED (PT) WOOD. PRESSURE TREATED LUMBER IN NOT ACCEPTABLE TO INSTALL INSIDE THE BUILDING UNLESS SPECIFICALLY RATED FOR INDOOR USE.
- INTERIOR PARTITION MOVEMENT CONTROL: PROVIDE CONTROL JOINTS IN GYPSUM BOARD PARTITIONS AND GYPSUM BOARD CEILINGS SHALL BE SPACED AS FOLLOWS, AND AS PER MANUFACTURER'S STANDARDS:
PARTITIONS: 30 FT. MAXIMUM IN EITHER DIRECTION
- ALL NEW SUPPLY AIR AND RETURN GRILLES SHALL BE LOCATED IN THE CENTER LINE OF ACOUSTICAL TILES, UNLESS INDICATED OTHERWISE ON PLANS.
- ALL DISSIMILAR MATERIALS SHALL BE ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION. WHERE TWO DISSIMILAR METALS MEET, PAINT FACE OF ONE WITH BITUMINOUS PAINT. PROVIDE SEALANT BETWEEN DISSIMILAR MATERIALS, SUCH AS GYPSUM BOARD AND MASONRY, MASONRY AND CONCRETE, COUNTERTOPS AND WALLS, ETC.

BUILDING CODE ANALYSIS

PROJECT: RENOVATION OF DRBA CAPE MAY FITNESS CENTER
 LOCATION: 1200 SANDMAN BLVD, CAPE MAY, NJ 08204
 APPLICABLE CODES:
 • 2021 INTERNATIONAL BUILDING CODE (IBC)
 • 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 • 2021 INTERNATIONAL MECHANICAL CODE (IMC)
 • NEW JERSEY UNIFORM CONSTRUCTION CODE SUBCHAPTER 6
 • 2015 NEW JERSEY FIRE CODE
 • 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
 • ANSI ICC A117.1-2017
 • 2020 NATIONAL ELECTRICAL CODE

GENERAL CODE NOTES:
 TRAVEL DISTANCE TO FIRE EXTINGUISHER (NFPA 10) MAXIMUM 75 FT. FOR ORDINARY COMBUSTIBLES. SEE CODE PLAN FOR LOCATIONS OF FIRE EXTINGUISHERS. CONTRACTOR TO CONFIRM QUANTITY AND PLACEMENT OF ALL FIRE EXTINGUISHERS WITH FIRE MARSHAL. COORDINATE FINAL LOCATIONS WITH ARCHITECT.

DRBA CAPE MAY MAINTENANCE SHOP RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

ARCHITECTURAL GENERAL NOTES

A-001

DATE: 02/16/24 SCALE: AS NOTED SHEET NO: 2 OF 25



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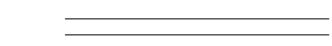


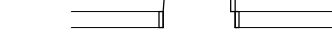











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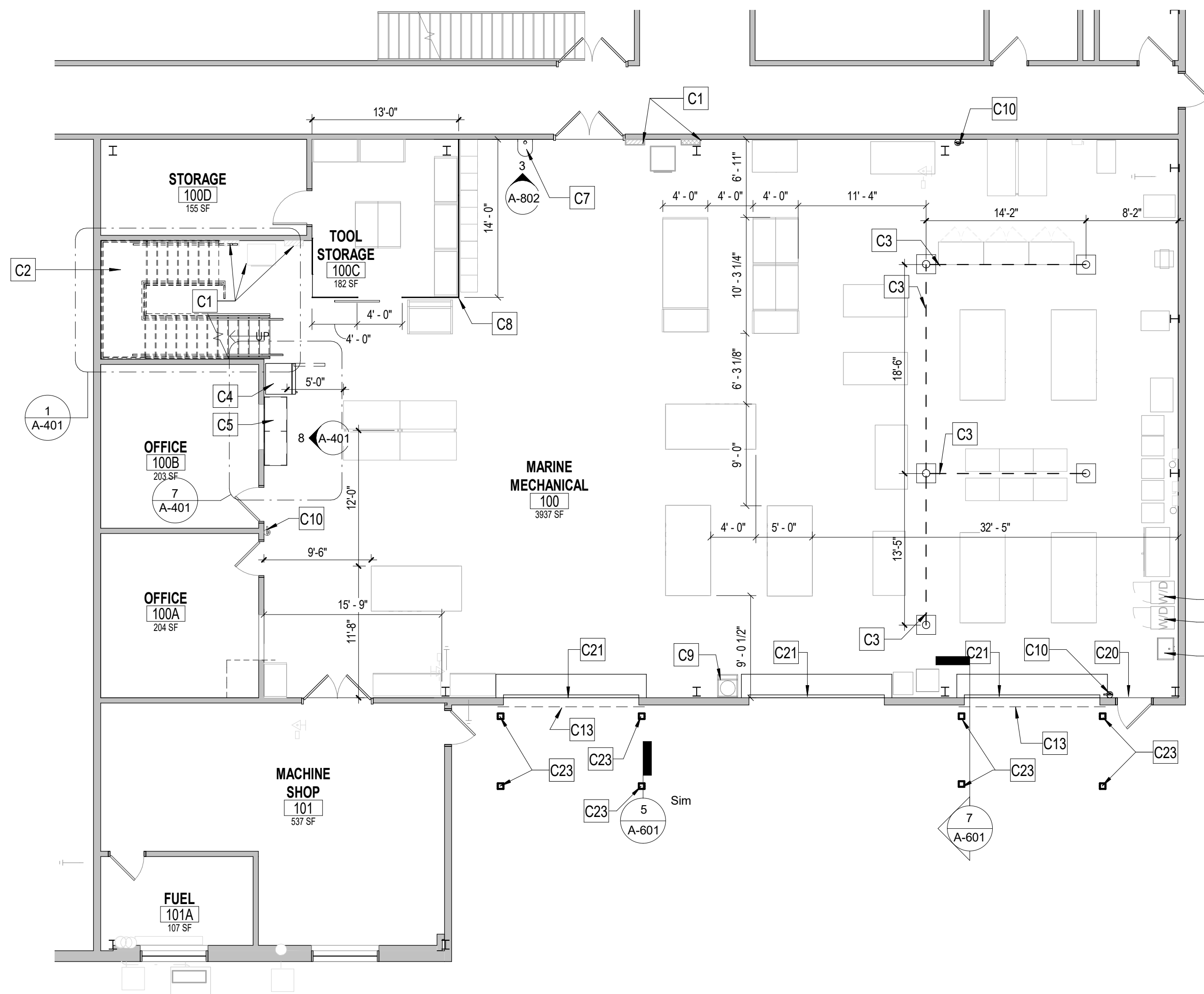
#	KEY NOTE
C1	EXISTING ELECTRICAL PANELS TO REMAIN.
C2	PROVIDE AND INSTALL NEW 40" WIDE PREFABRICATED METAL STAIRS. BASIS OF DESIGN: ERECTASTEP
C3	NEW MOBILE ROLL-UP WELDING CURTAINS. BASIS OF DESIGN: AKON CURTAINS SB-5000
C4	PROVIDE AND INSTALL NEW REFRIGERATOR WITH FREEZER. SEE A-801 FOR ADDITIONAL INFORMATION. (ALTERNATE #1)
C5	PROVIDE AND INSTALL NEW 6'-0" BASE CABINETS WITH COUNTERTOP. (ALTERNATE #1)
C7	RELOCATE EXISTING PORTABLE EYE WASH STATION
C8	PROVIDE AND INSTALL NEW 10' HIGH POWDER COATED WOVEN WIRE PARTITION WITH 48"W X 8'-0"H SLIDING DOOR AND CEILING BASIS OF DESIGN: WIRECRAFTERS
C9	RELOCATE EXISTING WHEELED FIRE EXTINGUISHER
C10	EXISTING FIRE EXTINGUISHER TO REMAIN
C11	EXISTING DRYER / WASHER UNITS TO REMAIN.
C12	EXISTING UTILITY SINK TO REMAIN.
C13	NEW VINYL STRIP DOOR CURTAINS FOR 12'-2" BY 12'-0" DOOR. FACE MOUNT ABOVE DOOR HEAD. BASIS OF DESIGN: AKON STRIP DOOR KIT (ALTERNATE #2)
C14	NEW 42" HIGH GUARDRAIL. SEE DETAIL 5/A-401.
C15	NEW 72" WIDE PALLET GATE AT GUARDRAIL. BASIS OF DESIGN: SAFEMEZZ PALLET GATE BY PS INDUSTRIES.
C16	PREPARE PLYWOOD SUBFLOOR FOR NEW VCT FLOORING. INSTALL NEW 1/4" CEMENTITIOUS UNDERLAYMENT OVER EXISTING PLYWOOD UNDERLAYMENT.
C17	CENTERLINE OF LOW SPRINKLER PIPING
C18	EXISTING DUCT WORK THROUGH MEZZANINE FLOOR TO REMAIN.
C19	BOTTOM OF EXISTING DUCT WORK AT 7'-0" AFTER FINISHED FLOOR.
C20	PROVIDE AND INSTALL NEW ALUMINUM DOOR THRESHOLD AND WEATHERSTRIPPING AT MAN DOOR.
C21	PROVIDE AND INSTALL NEW 1" ALUMINUM DOOR THRESHOLD. BASIS OF DESIGN: GARADRY 1" HIGH COMMERCIAL DOOR ALUMINUM THRESHOLD SEAL.

#	KEY NOTE
C22	PROVIDE AND INSTALL NEW PREENGINEERED CANOPY DECK TO BE ABOUT 12'-6" ABOVE FINISHED FLOOR. BASIS OF DESIGN: MAPES POST SUPPORTED WALKWAY CANOPY. (ALTERNATE #3)
C23	NEW PREENGINEERED CANOPY POSTS. BASIS OF DESIGN: MAPES POST SUPPORTED WALKWAY. (ALTERNATE #3)
C24	PROVIDE AND INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET. BASIS OF DESIGN: CLEAR VU SERIES BY ACTIVAR CONSTRUCTION PRODUCTS GROUP, INC.
C25	INSTALL NEW 30" WIDE BY 60" TALL LOUVER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
C26	EXISTING MOVABLE CRANE AND SUPPORTS TO REMAIN OPERABLE DURING CONSTRUCTION.

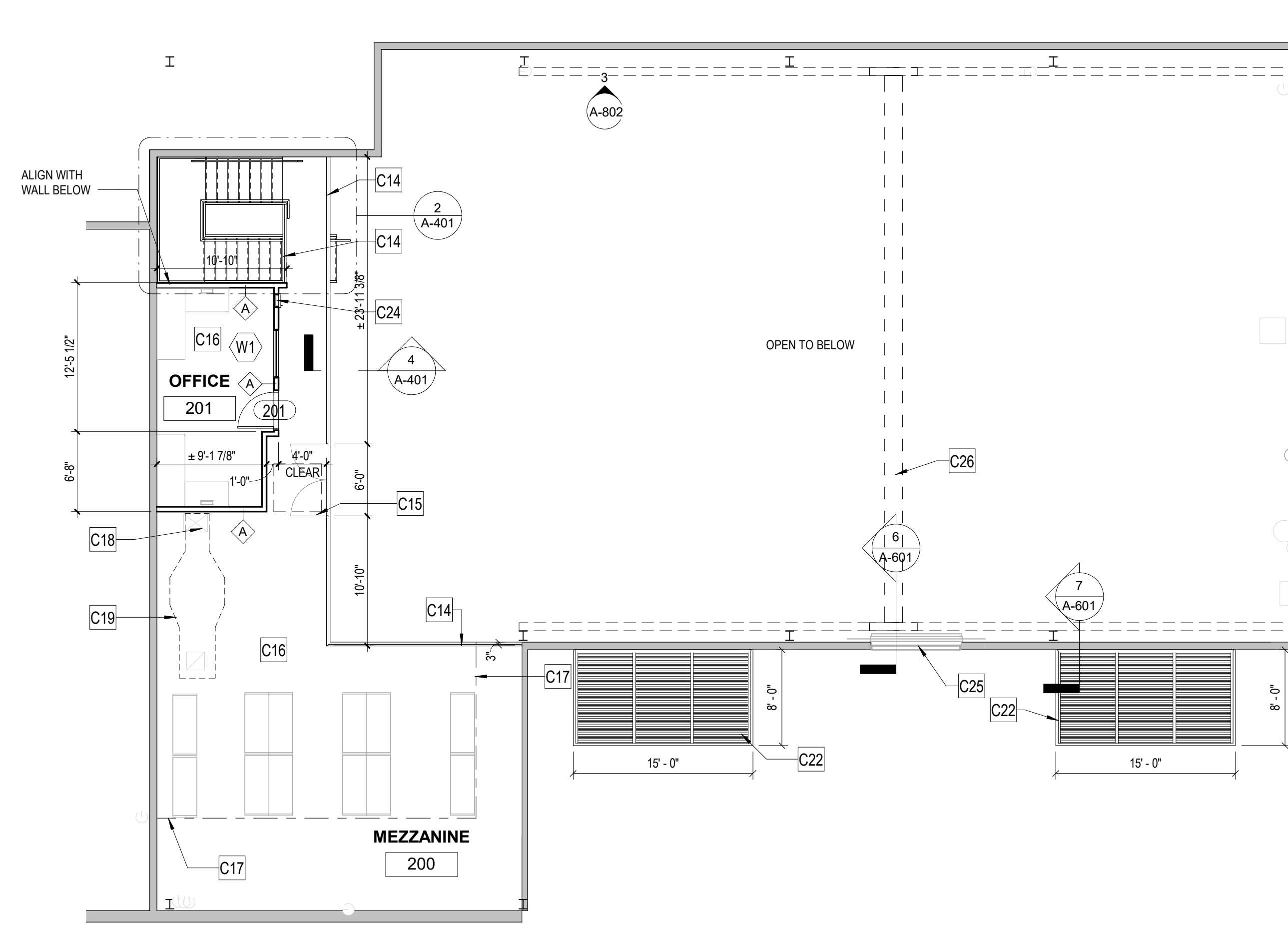
NOTE: SEE A-801 FOR EQUIPMENT, FURNITURE, AND STORAGE SPECIFICATIONS.

CONSTRUCTION SYMBOLS LEGEND

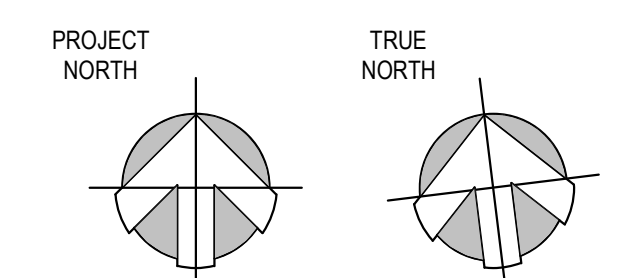
-  EXISTING WALL OR PARTITION TO REMAIN. TYP UNLESS OTHERWISE NOTED
-  INFILL PORTION OF EXISTING WALL. SEE FLOOR PLAN FOR LOCATION AND DIMENSION. TYP UNLESS OTHERWISE NOTED
-  EXISTING DOOR TO REMAIN. TYP UNLESS OTHERWISE NOTED
-  NEW DOOR. TYP UNLESS OTHERWISE NOTED
-  NEW PARTITION. SEE FLOOR PLAN FOR LOCATION AND DIMENSION
-  WALL TYPE TAG
-  DOOR TAG
-  CONSTRUCTION PLAN KEYED NOTE TAG
-  EXIT SIGN - SEE ELECTRICAL DRAWINGS
-  MECHANICAL RETURN - SEE MECHANICAL DRAWINGS
-  2'-0"x2'-0" LIGHT - SEE ELECTRICAL DRAWINGS
-  MECHANICAL DIFFUSER - SEE MECHANICAL DRAWINGS
-  ACOUSTIC CEILING PANELS
REFERENCE DRAWINGS FOR SIZES
-  HORN STROBE DEVICE
-  SMOKE DETECTOR



1 CONSTRUCTION FLOOR PLAN - FIRST FLOOR
A-101 1/8" = 1'-0"



2 CONSTRUCTION FLOOR PLAN - MEZZANINE
A-101 1/8" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP
RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

CONSTRUCTION PLANS A-101

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 5 OF 25



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF NEW JERSEY.

PAUL GUSSNER
ARCHITECT
LICENSE # 21304/25480

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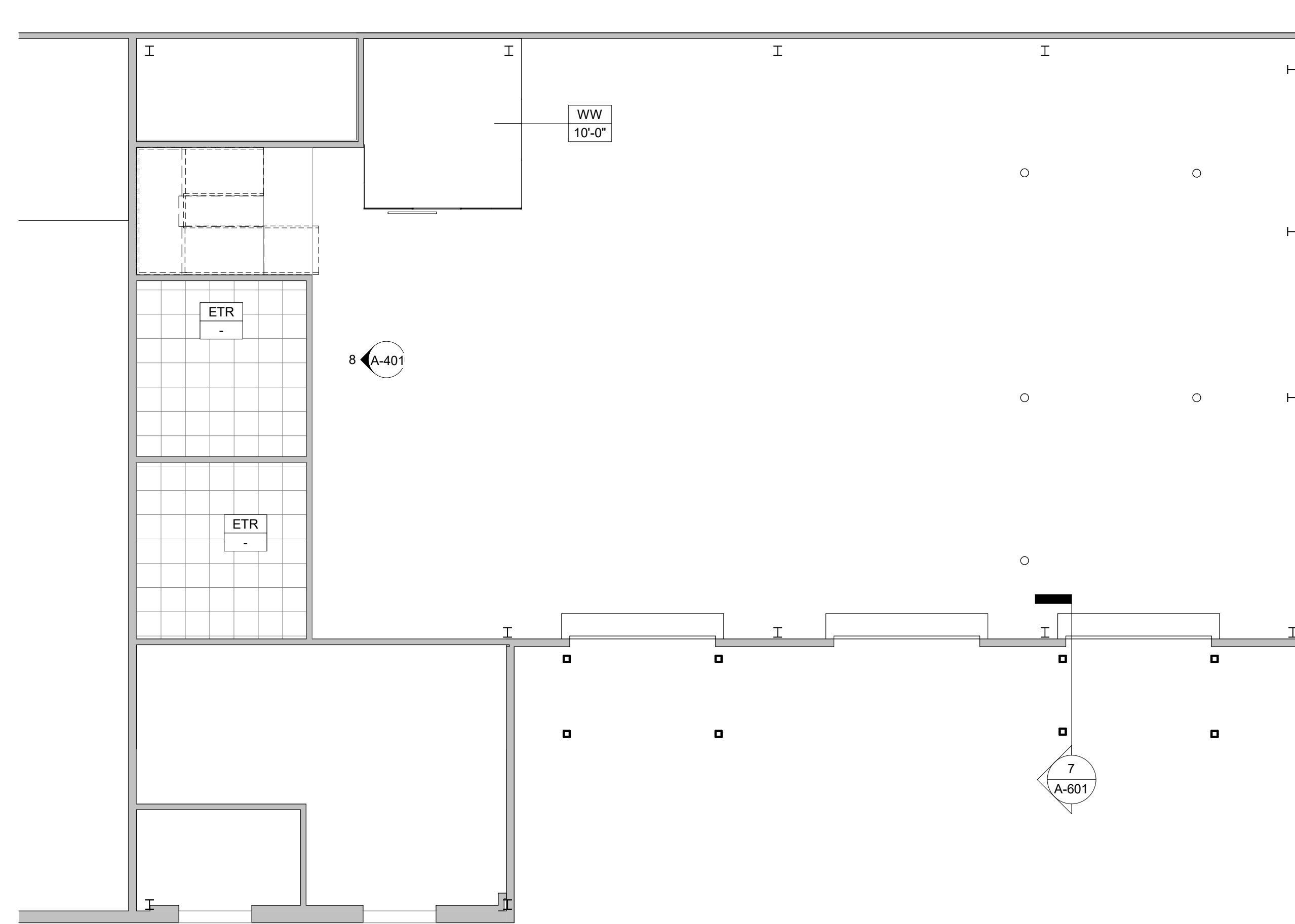
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1 REFLECTED CEILING PLAN - FIRST FLOOR
1/8" = 1'-0"

CONSTRUCTION SYMBOLS LEGEND

- EXISTING WALL OR PARTITION TO REMAIN, TYP UNLESS OTHERWISE NOTED
- INFILL PORTION OF EXISTING WALL. SEE FLOOR PLAN FOR LOCATION AND DIMENSION. TYP UNLESS OTHERWISE NOTED
- EXISTING DOOR TO REMAIN, TYP UNLESS OTHERWISE NOTED
- NEW DOOR, TYP UNLESS OTHERWISE NOTED
- NEW PARTITION. SEE FLOOR PLAN FOR LOCATION AND DIMENSION
- WALL TYPE TAG
- DOOR TAG
- CONSTRUCTION PLAN KEYED NOTE TAG
- EXIT SIGN - SEE ELECTRICAL DRAWINGS
- MECHANICAL RETURN - SEE MECHANICAL DRAWINGS
- 2'-0" x 2'-0" LIGHT - SEE ELECTRICAL DRAWINGS
- MECHANICAL DIFFUSER - SEE MECHANICAL DRAWINGS
- ACOUSTIC CEILING PANELS. REFERENCE DRAWINGS FOR SIZES
- HORN STROBE DEVICE
- SMOKE DETECTOR

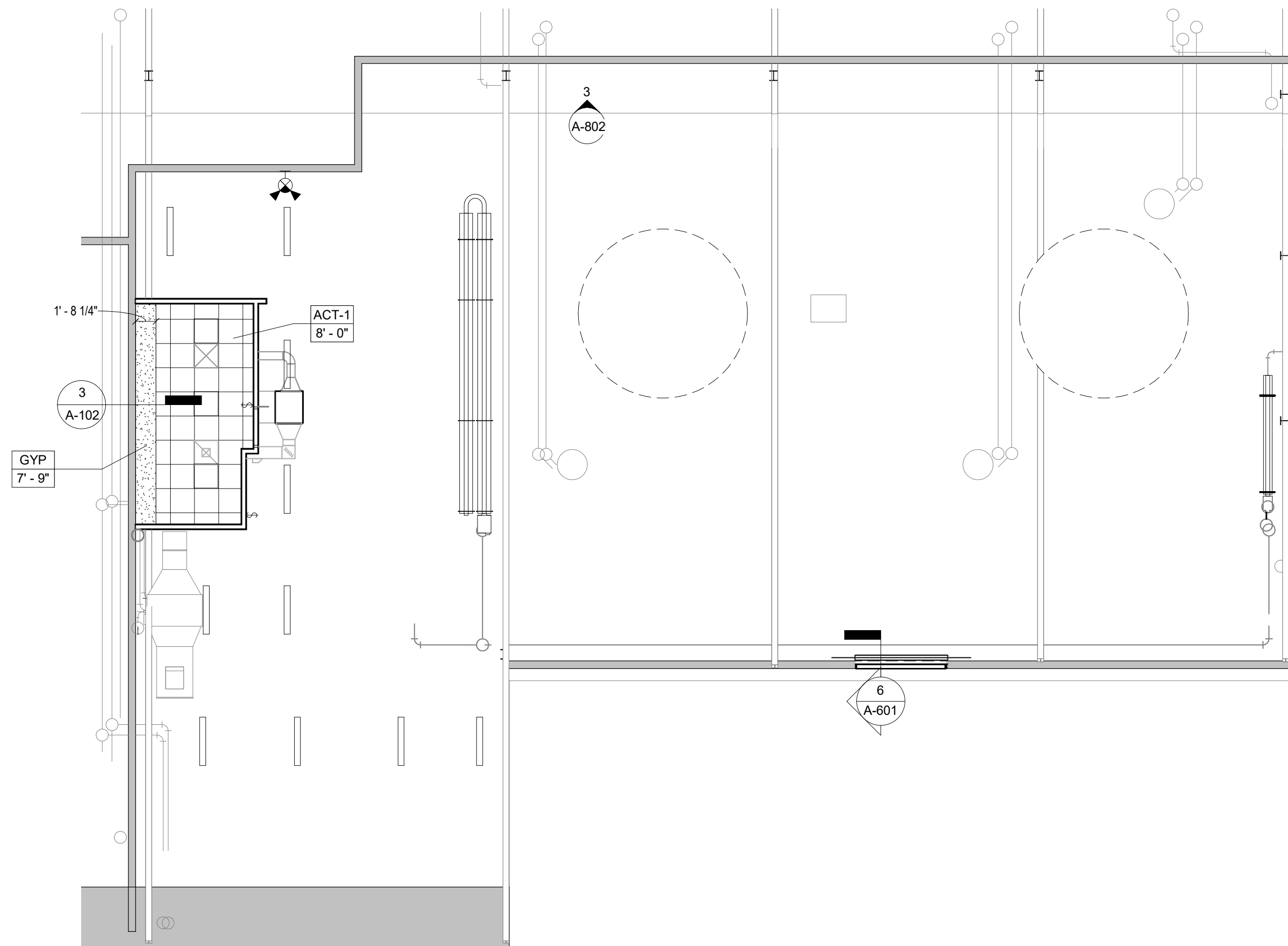
REFLECTED CEILING PLAN NOTES

1. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR COORDINATION PURPOSES ONLY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFO.
2. ALL CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DIFFUSERS, DETECTORS, SPRINKLER HEAD, ETC) SHALL BE CENTERED WITHIN THE CEILING TILES AND GRIDS UNLESS NOTED OTHERWISE.
3. ALL CEILING TILES TO BE CENTERED IN ROOMS, UNLESS NOTED OTHERWISE.
4. CEILING HEIGHTS REFERENCE ROOM FINISHED FLOOR ELEVATION.

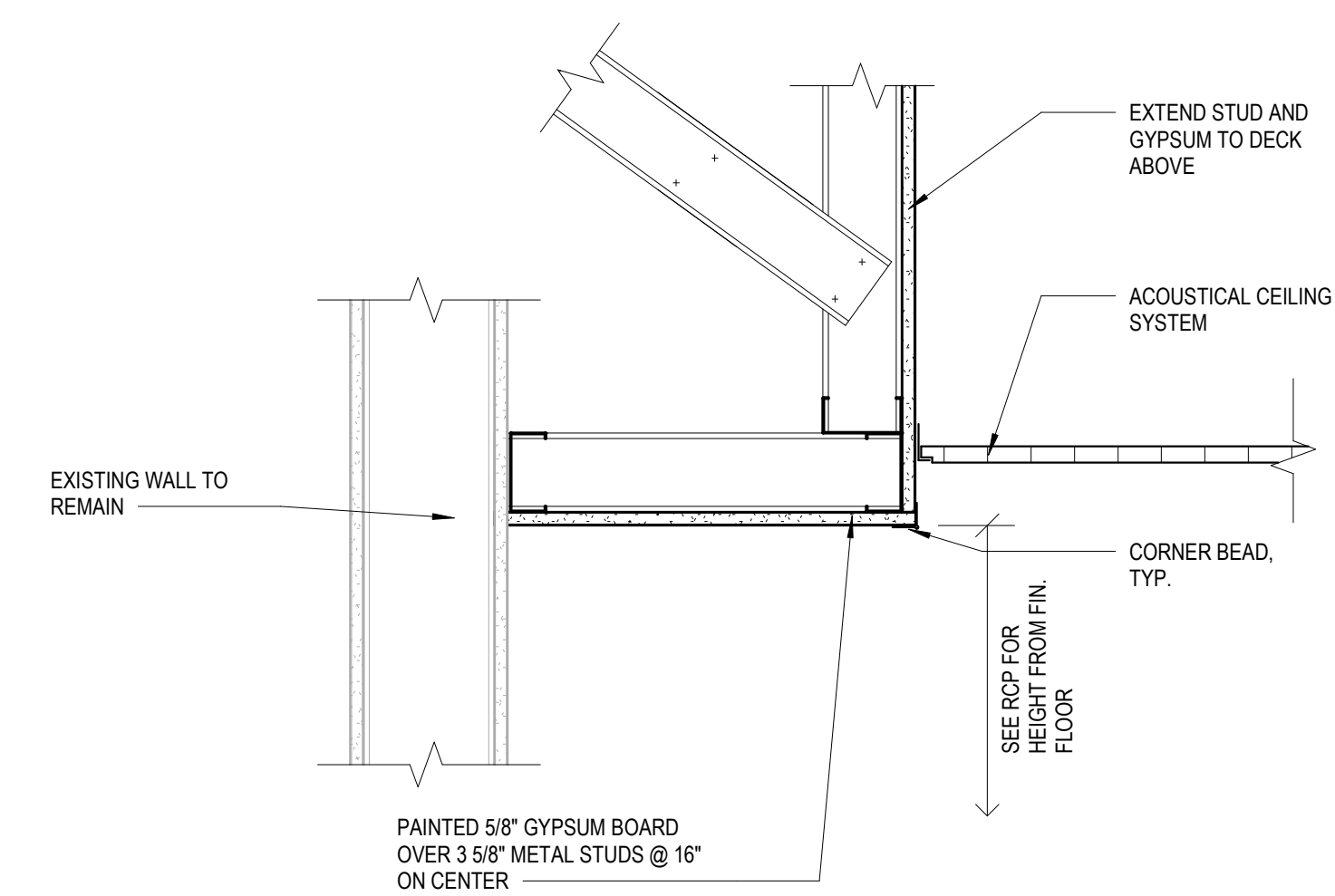
CEILING TYPES

- ACT-1 SUSPENDED ACOUSTIC CEILING PANELS (2'-0" x 2'-0") SQUARE EDGE AND GRID. BASIS OF DESIGN: ARMSTRONG CEILING PRODUCTS, ULTIMA
- GYP 1/2" GYPSUM BOARD CEILING ON 3 5/8" METAL STUD AT 16" ON CENTER
- WW WELDED WIRE CEILING SYSTEM. BASIS OF DESIGN: WIRECRAFTERS
- ETR EXISTING CEILING TO REMAIN

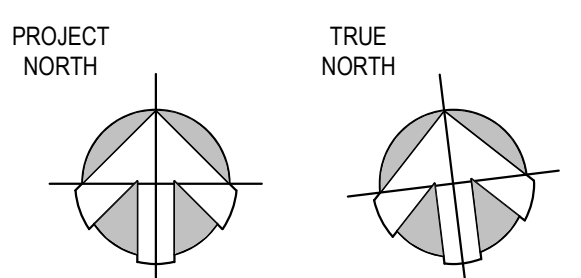
NOTE: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION



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



3 SOFFIT TO WALL
1 1/2" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

REFLECTED CEILING PLAN

A-102

DATE : 02/16/24

SCALE : AS NOTED

SHEET NO : 6 OF 25

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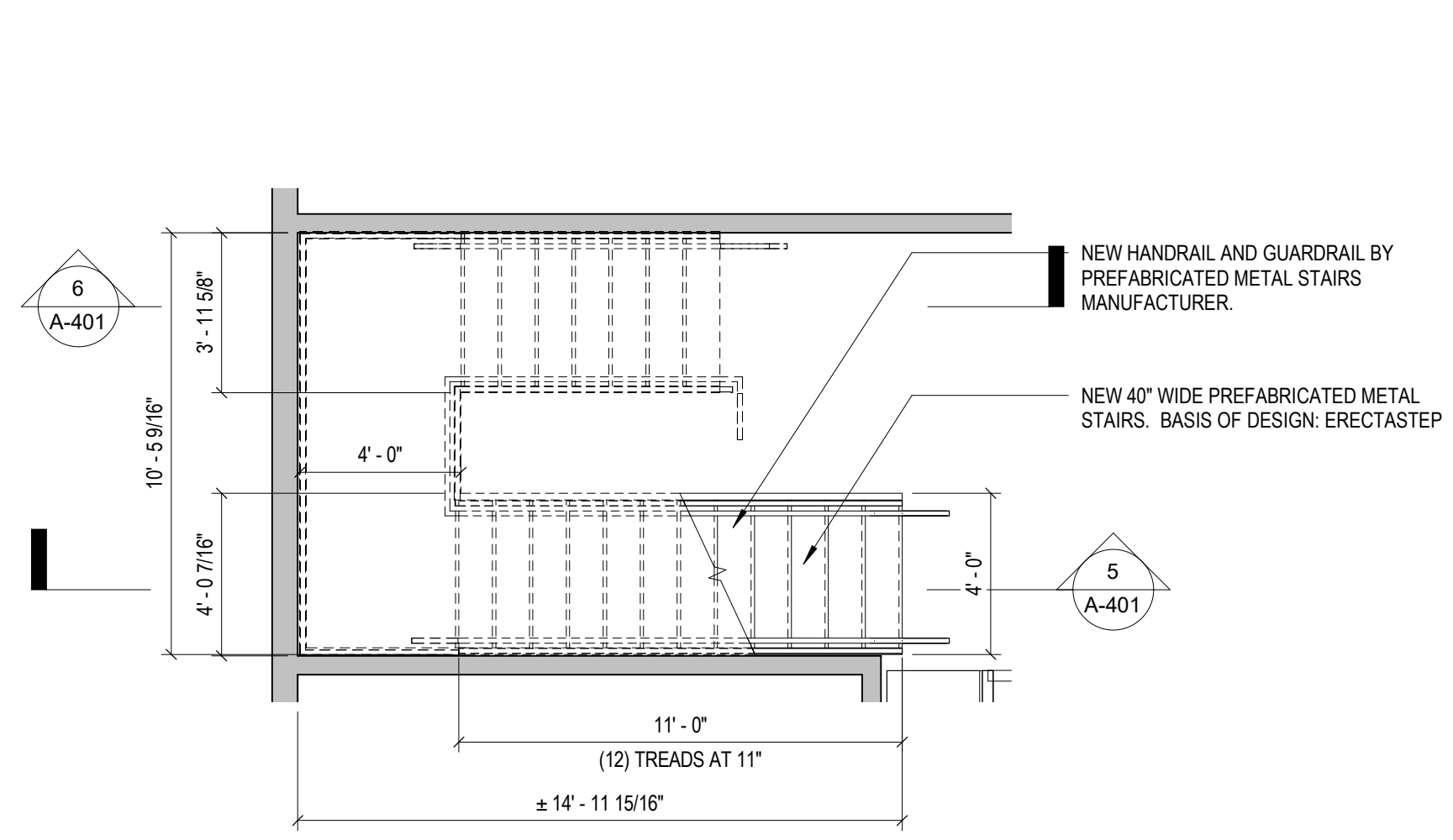
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LICENSE # 21304/2040

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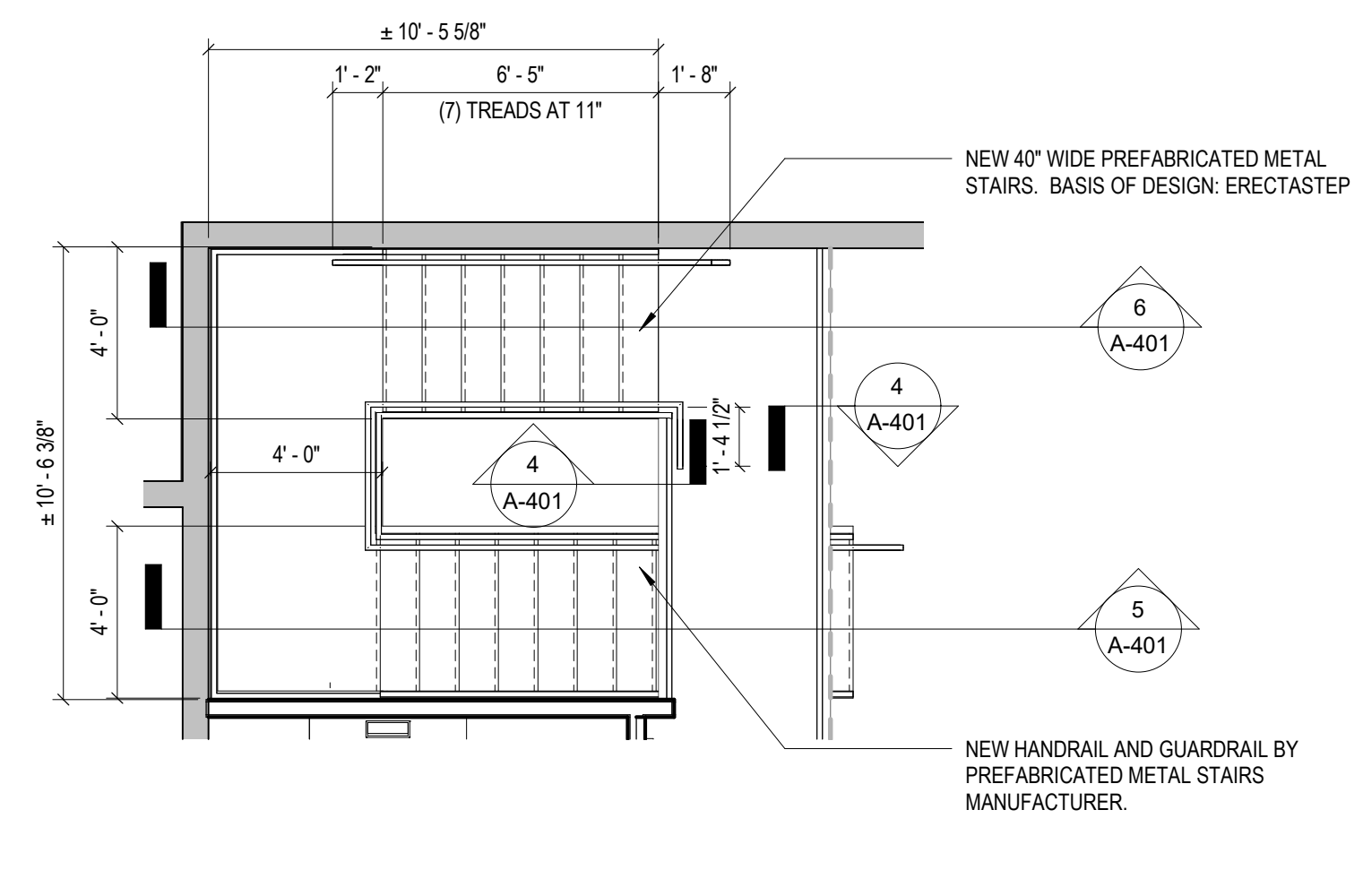
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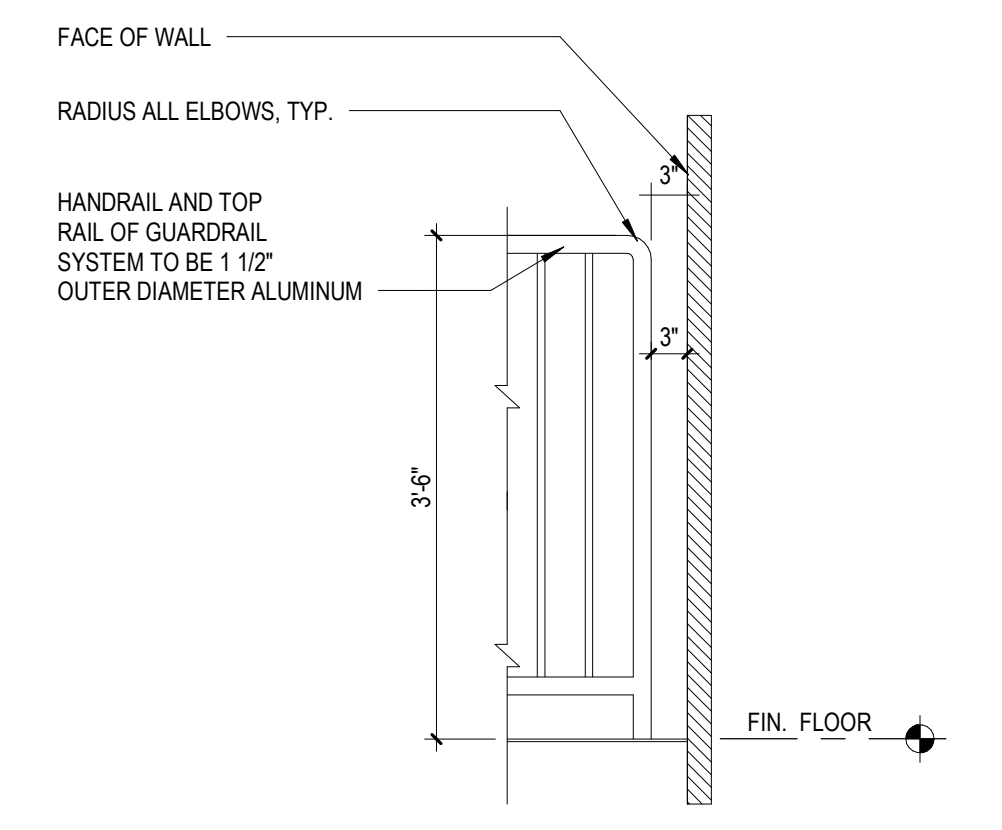
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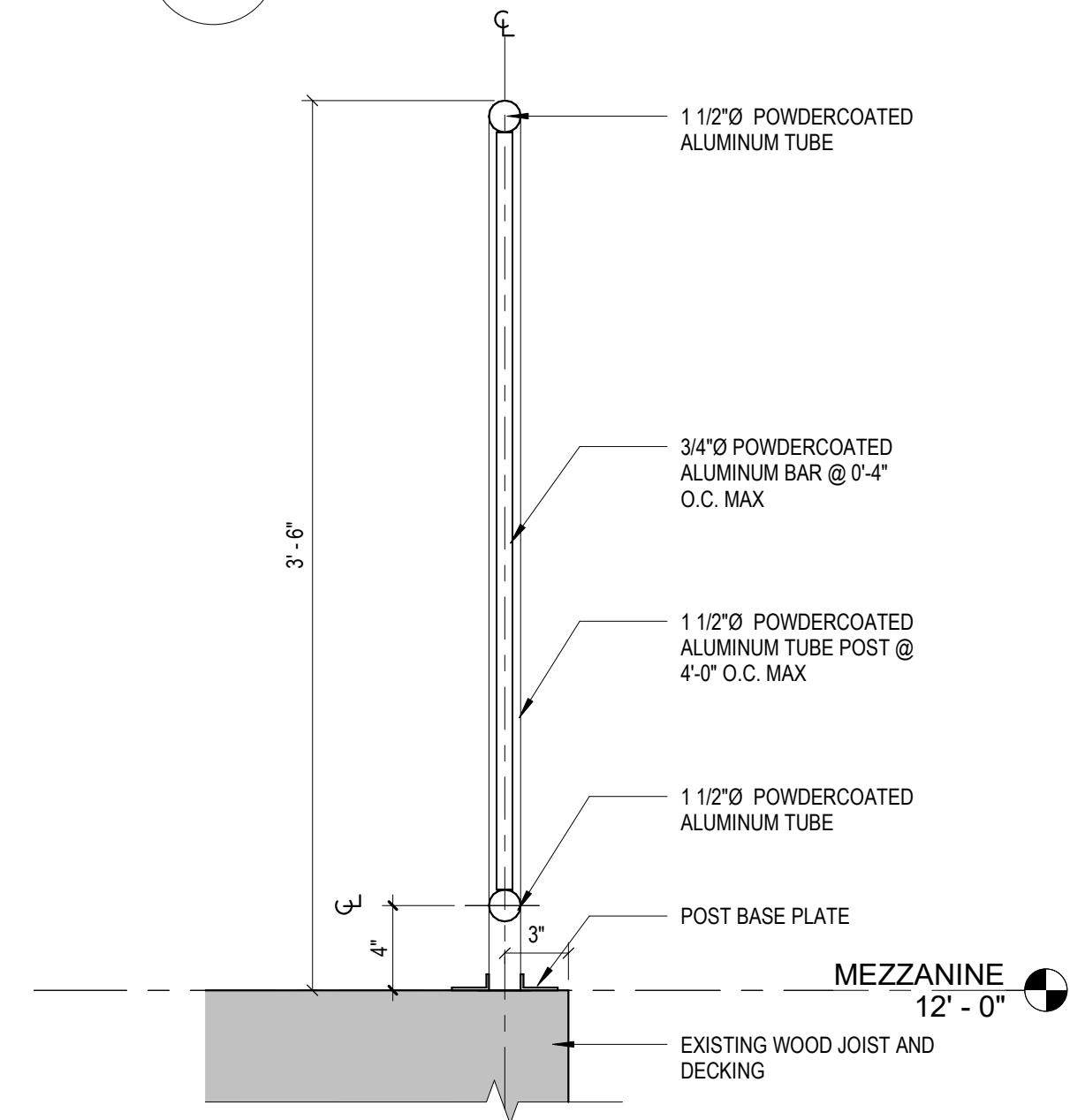
1 ENLARGED STAIR PLAN - 1ST FLOOR
A-401 1/4" = 1'-0"



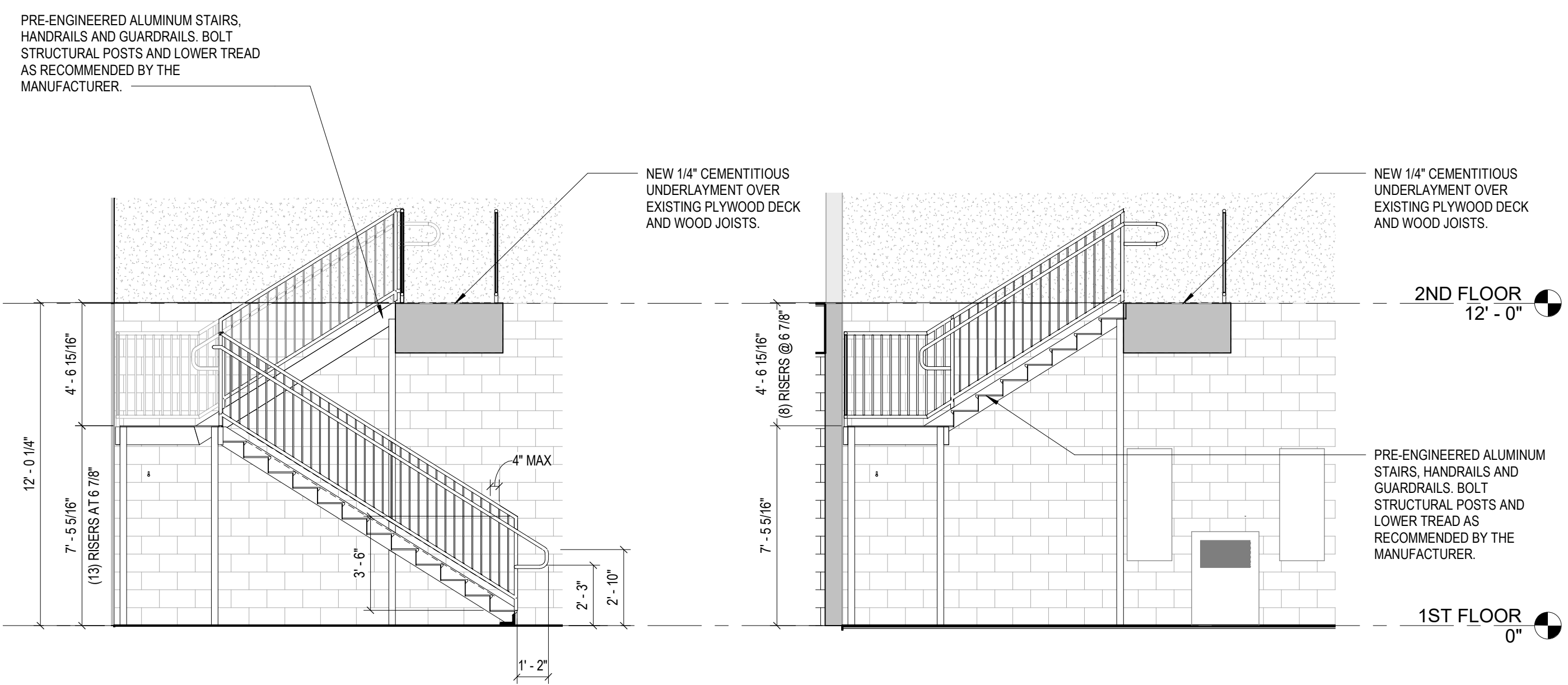
2 ENLARGED STAIR PLAN - MEZZANINE
A-401 1/4" = 1'-0"



3 GUARDRAIL END
A-401 3/4" = 1'-0"

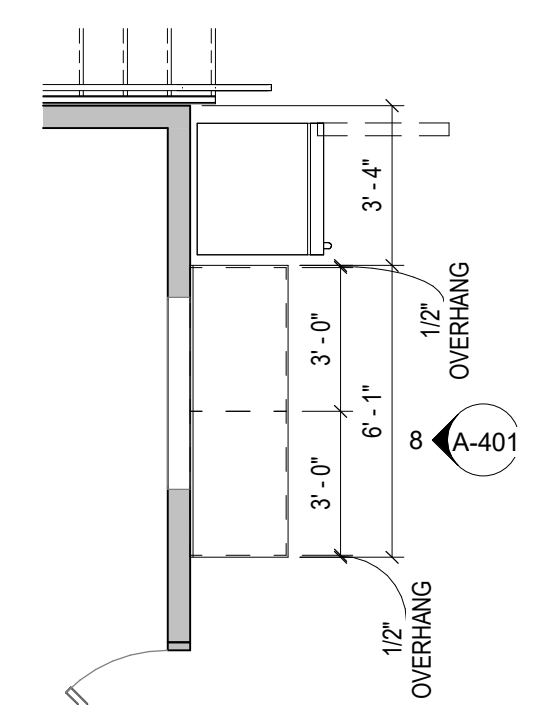


4 GUARDRAIL SECTION
A-401 1 1/2" = 1'-0"

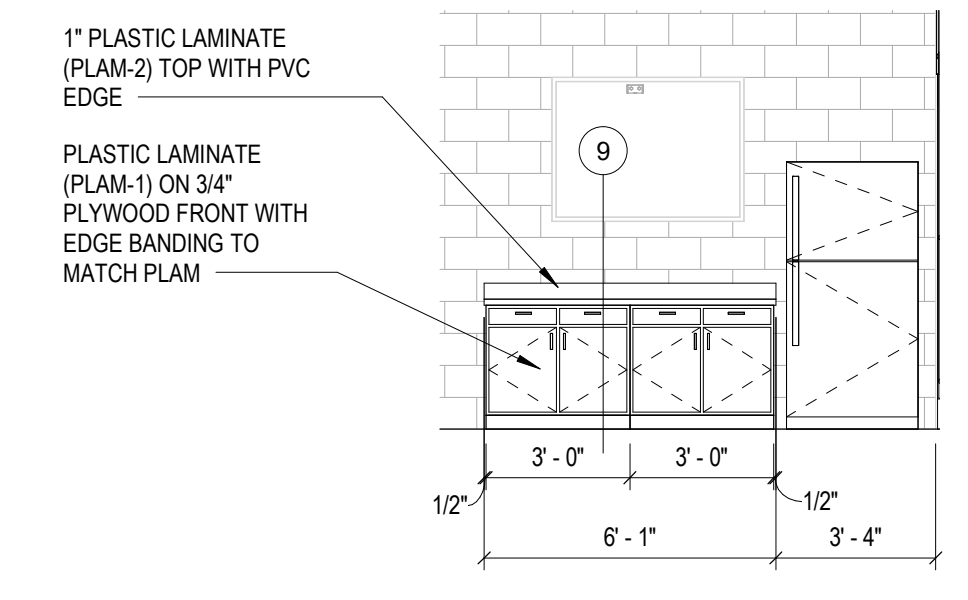


5 STAIR SECTION
A-401 1/4" = 1'-0"

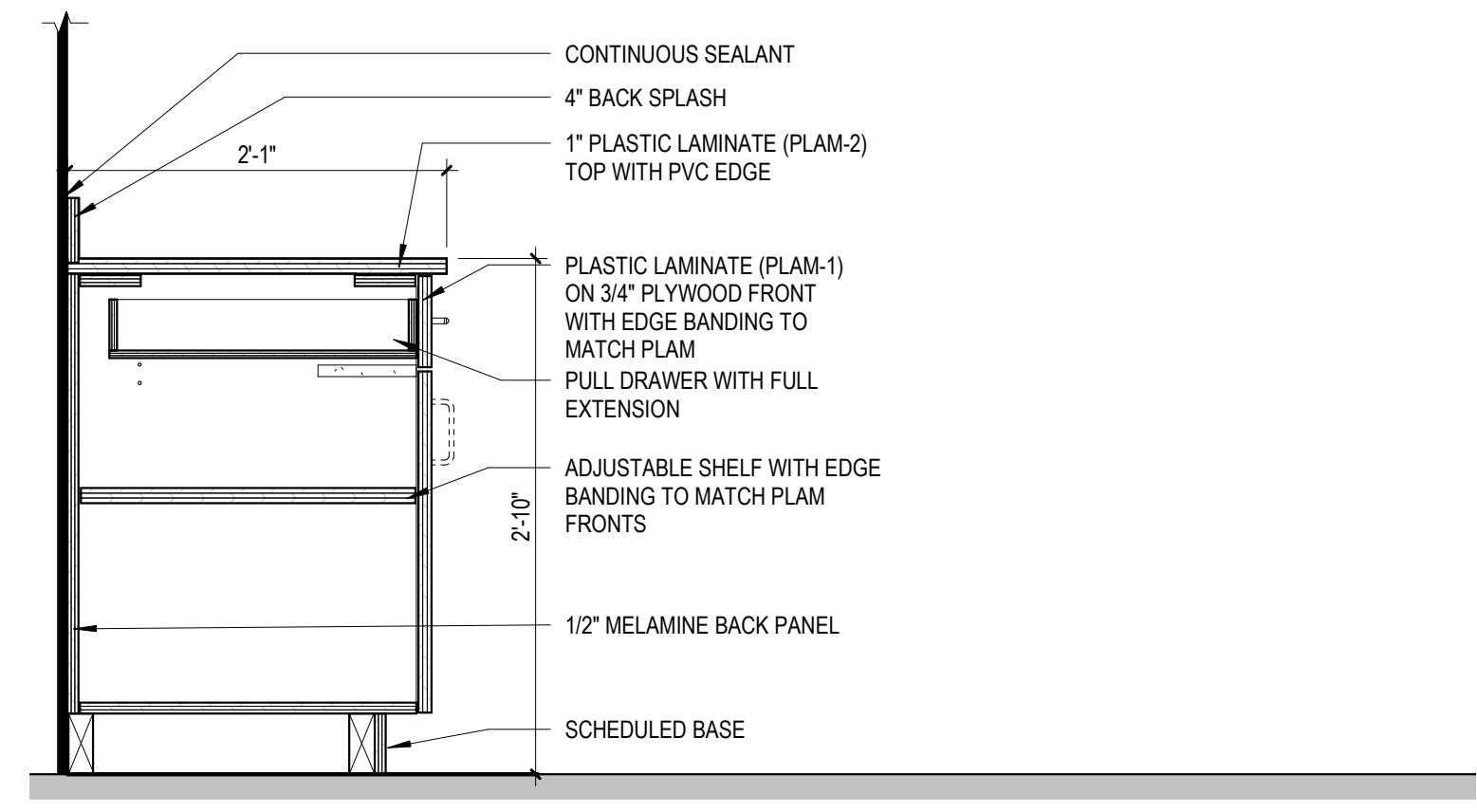
6 STAIR SECTION
A-401 1/4" = 1'-0"



7 ENLARGED CASEWORK PLAN
A-401 1/4" = 1'-0"



8 CASEWORK ELEVATION
A-401 1/4" = 1'-0"



9 BASE CABINET
A-401 1" = 1'-0"



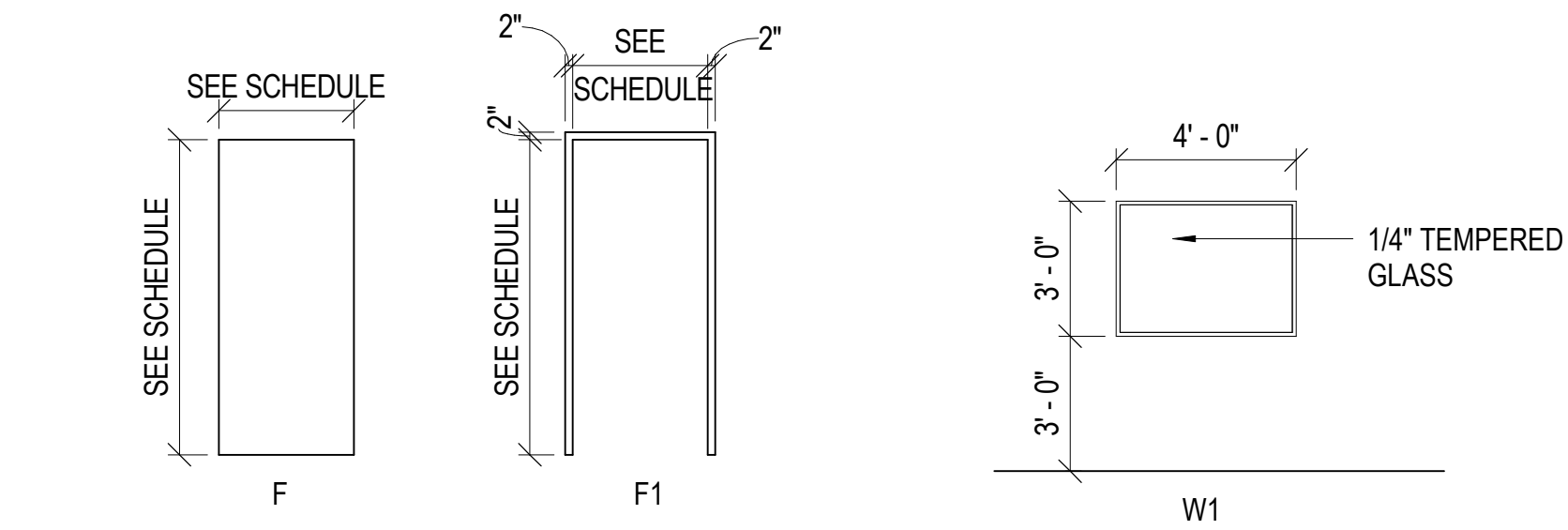
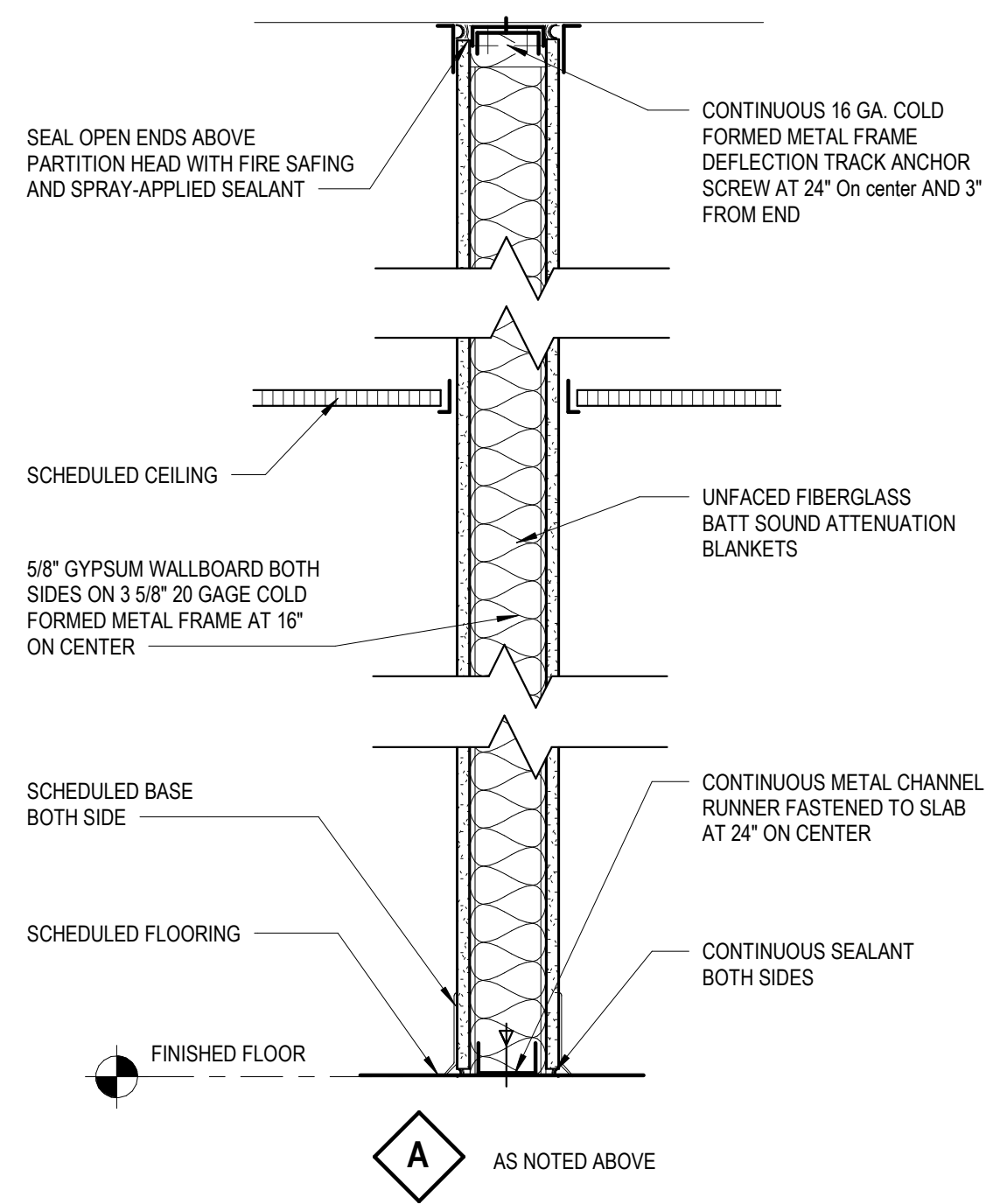
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DRBA CAPE MAY MAINTENANCE SHOP RENOVATION
1200 SANDMAN BLVD
CAPE MAY, NJ 08204
ENLARGED PLANS, ELEVATIONS AND DETAILS
A-401
DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 7 OF 25



DOOR AND FRAME TYPES
1/4" = 1'-0"

WINDOW TYPES
1/4" = 1'-0"

HARDWARE SET #1:

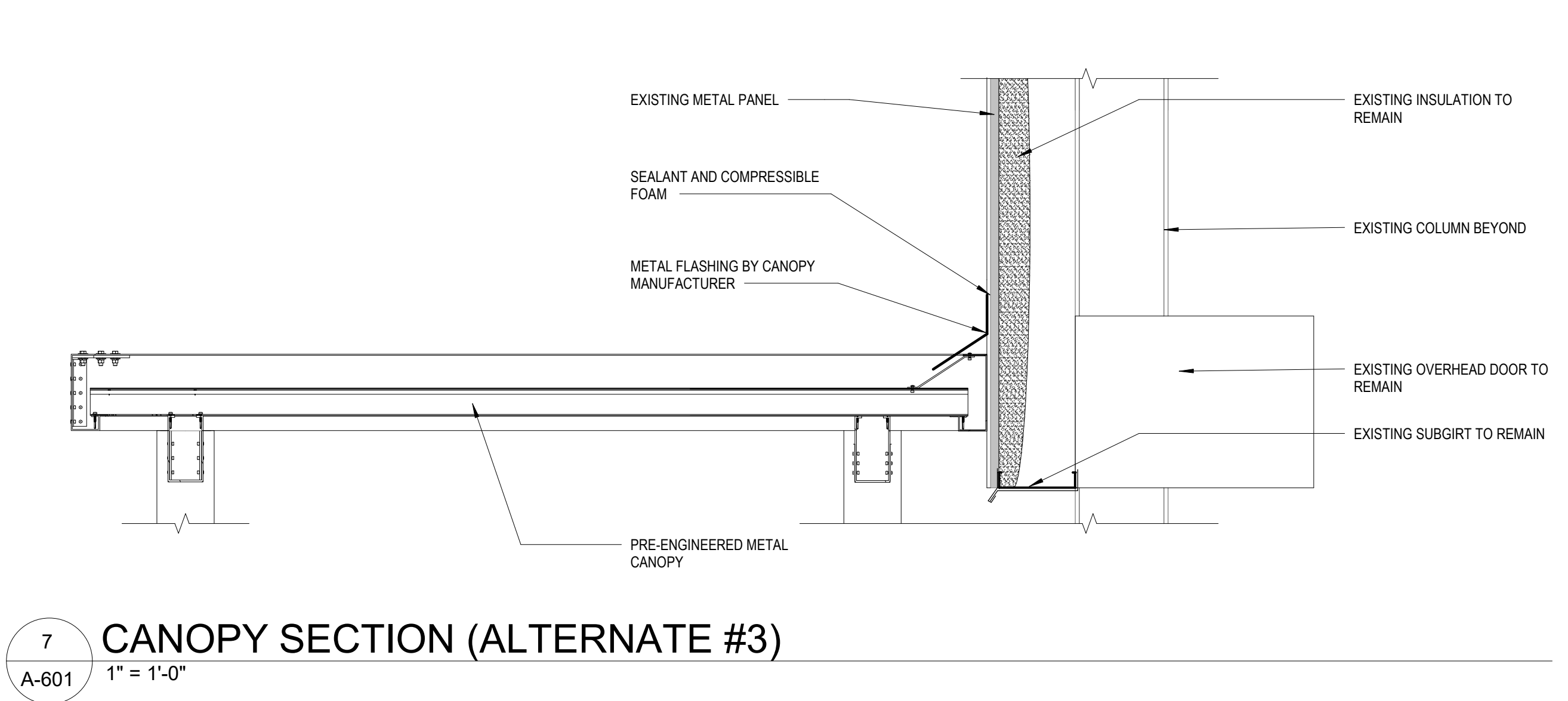
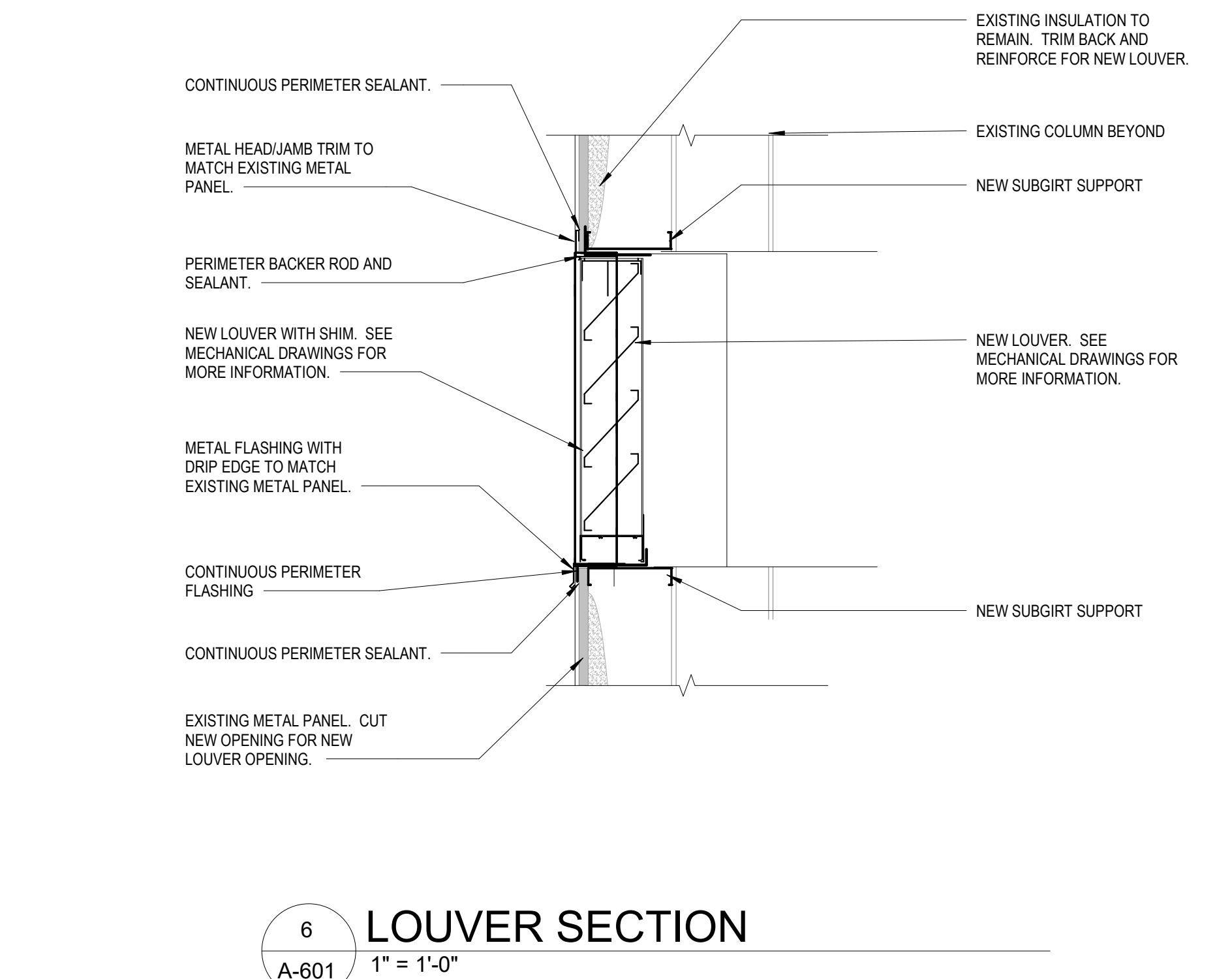
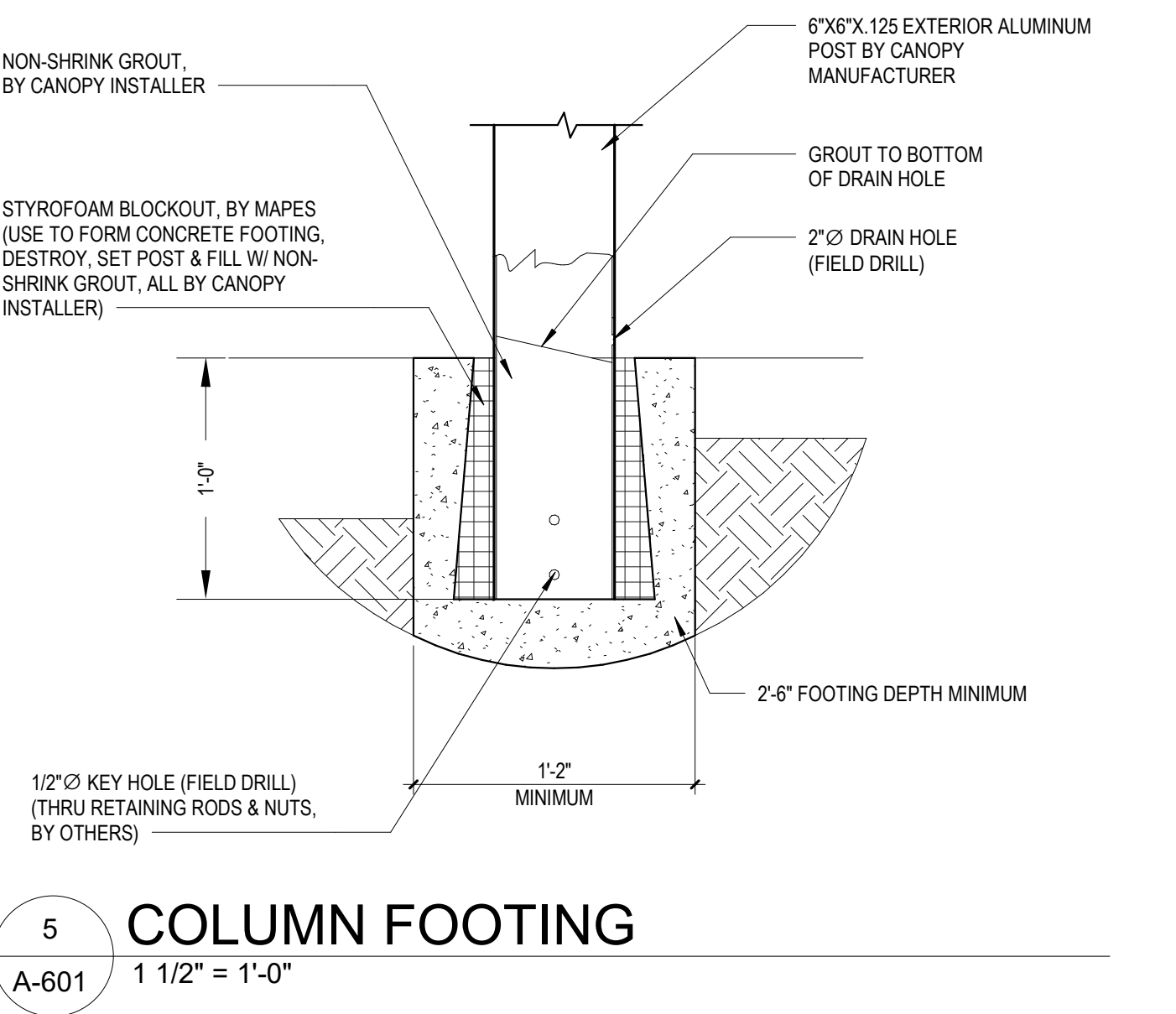
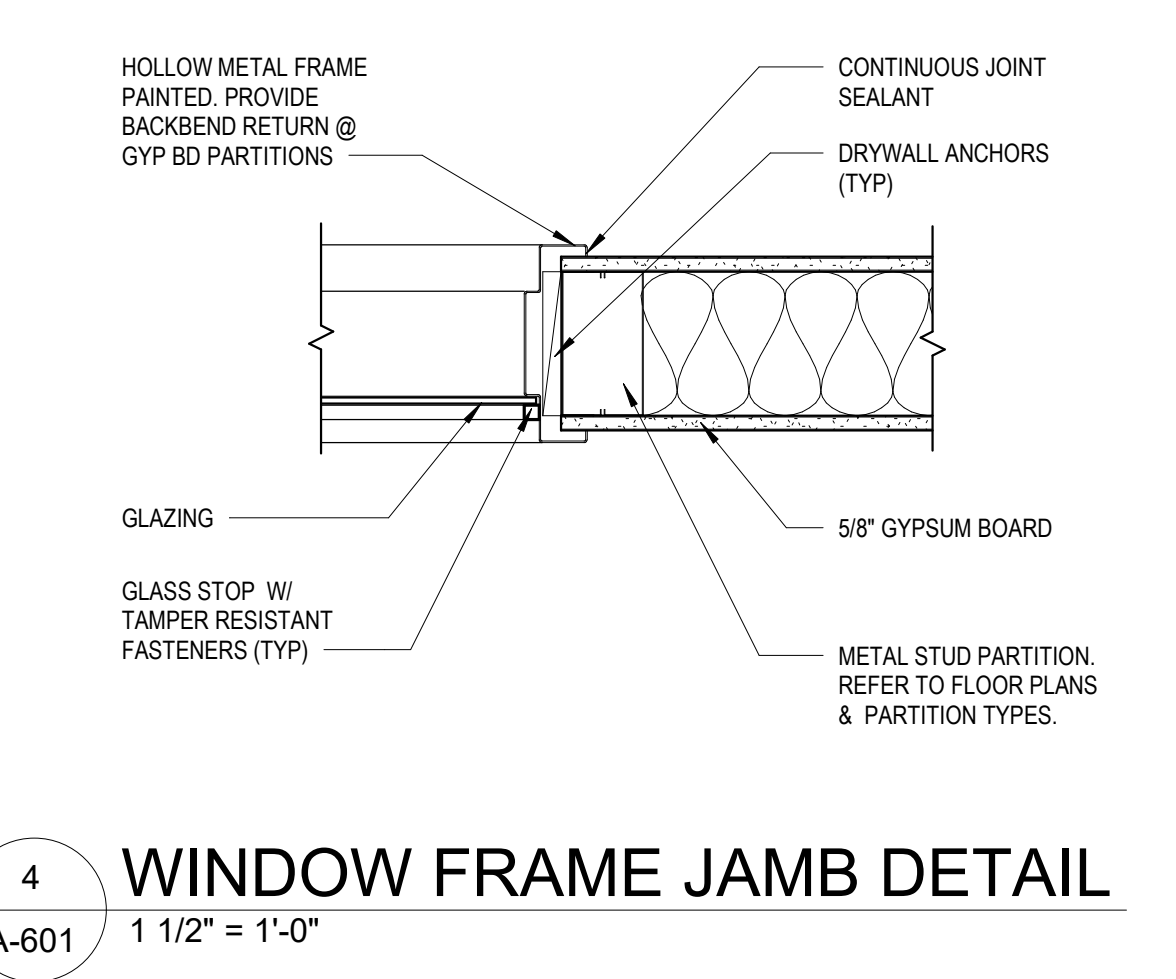
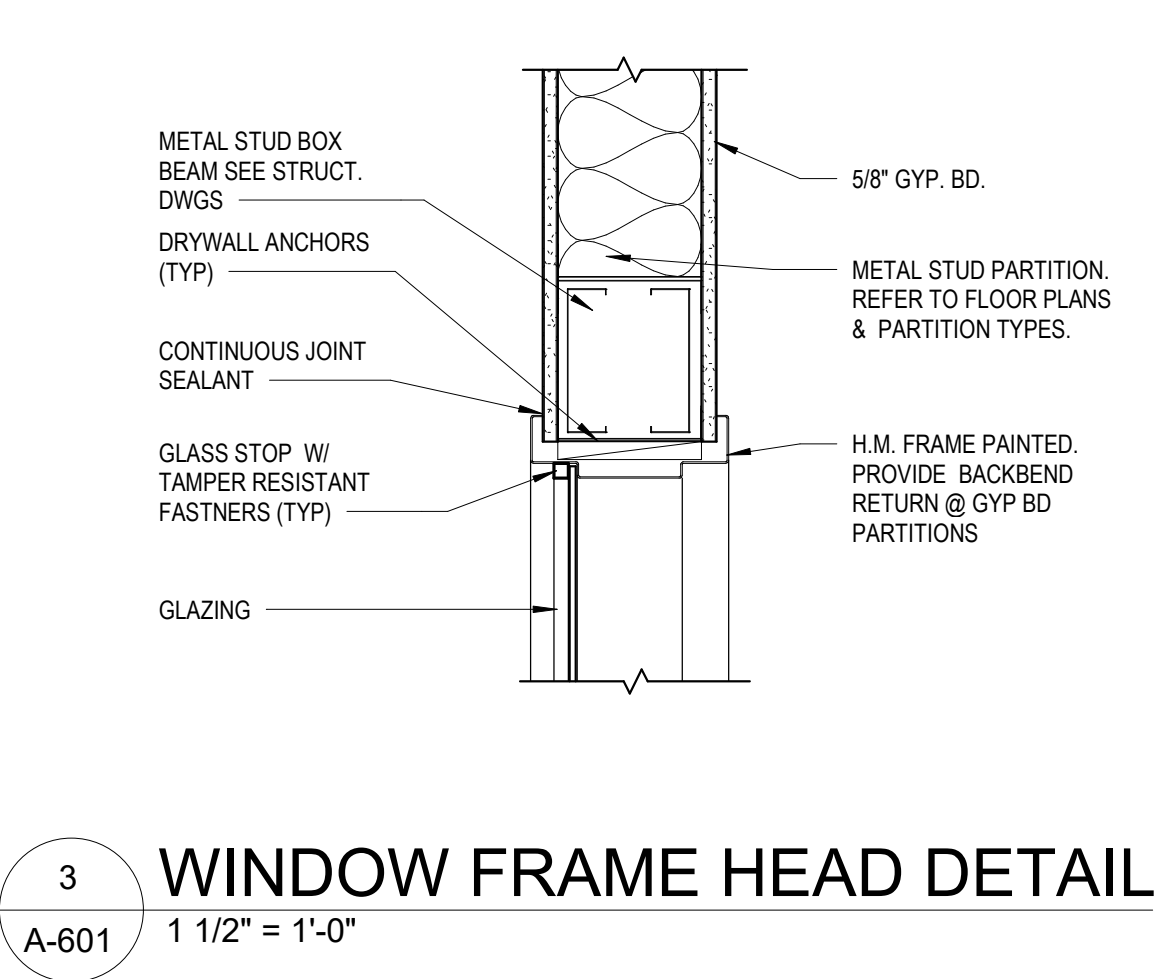
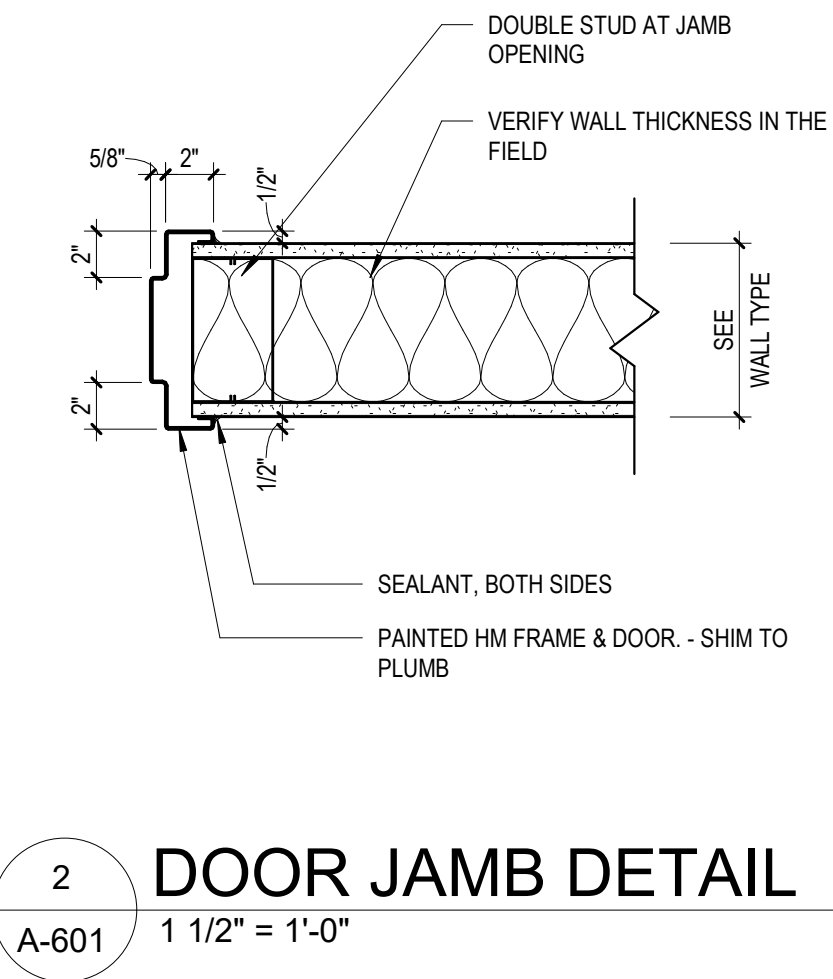
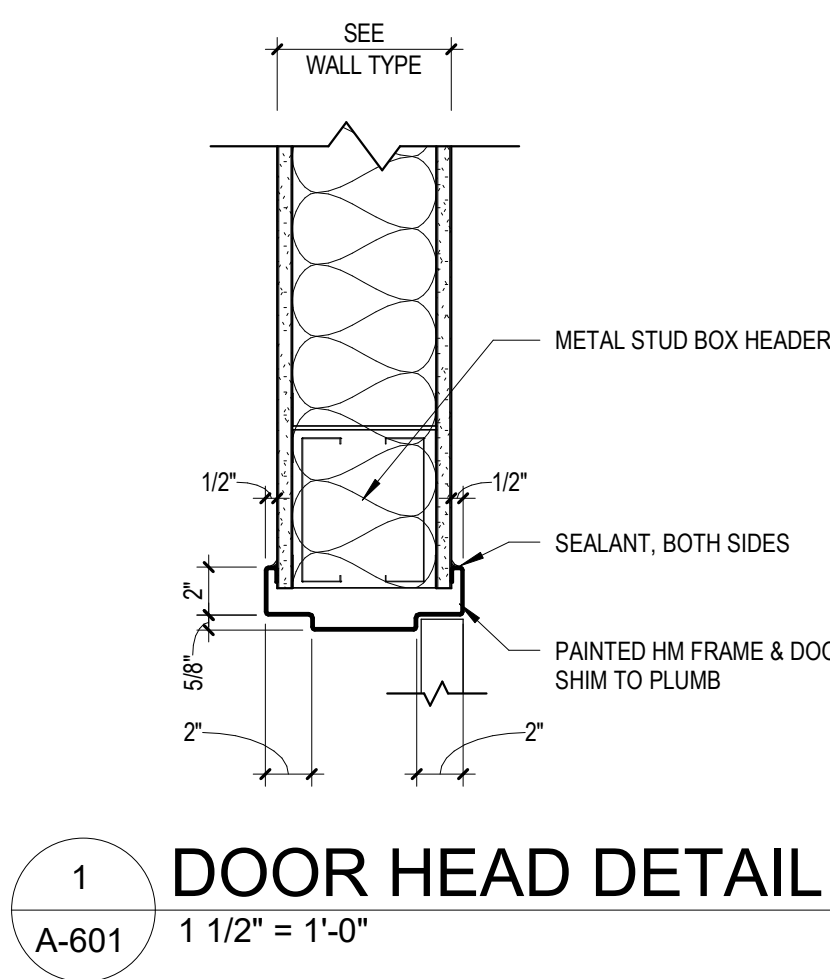
QUANTITY	ITEM / SERIES	MANUFACTURER	COLOR
3	HINGES TA2714	MCKINNEY	US26D
1	OFFICE LOCKSET 8200 SERIES	SARGENT	626
1	CYLINDER CORE	SARGENT	626
1	KICK PLATE K1050 10\"/>		

#	DOOR					FRAME		DETAILS			HW SET	RATING	REMARKS
	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	TYPE	MAT'L	HEAD	JAMB				
2ND FLOOR													
201	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	F	F1	HOLLOW METAL	1/A-601	2/A-601	1			

DOOR, FRAME AND HARDWARE NOTES

- HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. (ANSI A117.1-2009 SECTION 404.2.6)
- DOOR CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. (ANSI A117.1-2009 SECTION 404.2.7.1)
- DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM. (ANSI A117.1-2009 SECTION 404.2.7.2)
- ALL INTERIOR HINGED DOORS, OTHER THAN FIRE DOORS, SHALL HAVE 5.0 POUNDS MAXIMUM FORCE FOR PUSHING OR PULLING OPEN. (ANSI A117.1-2009 SECTION 404.2.8)
- SEE SPECIFICATIONS 087100 DOOR HARDWARE FOR ADDITIONAL INFORMATION
- PROVIDE TEMPORARY AND FINAL MORTISE KEYED CYLINDER CORES FOR ALL NEW LOCKETS. KEY ALL CYLINDERS TO BUILDING'S MASTER KEY.
- NECESSARY ITEMS ARE NOT INCLUDED IN A HARDWARE SET SHOULD BE ADDED AND HAVE THE APPROPRIATE ADDITIONAL HARDWARE AS REQUIRED FOR PROPER APPLICATION AND FUNCTIONALITY
- DOOR HARDWARE SUPPLIER IS RESPONSIBLE FOR PROVIDING PROPER SIZE AND HAND OF DOOR FOR PRODUCTS REQUIRED IN ACCORDANCE WITH DOOR HARDWARE SCHEDULE AND AS INDICATED ON DRAWINGS.

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



7 CANOPY SECTION (ALTERNATE #3)
A-601 1" = 1'-0"

6 LOUVER SECTION
A-601 1" = 1'-0"



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ARCHITECT
LICENSE # 210013940

SELAHWA OFFICE
200 WINDGATE HILL ROAD, STE. 110
SELAHWA, NEW JERSEY 07071
P. (908) 652-1622

PROVIDENCE OFFICE
61 WYBOSSET STREET, STE. 403
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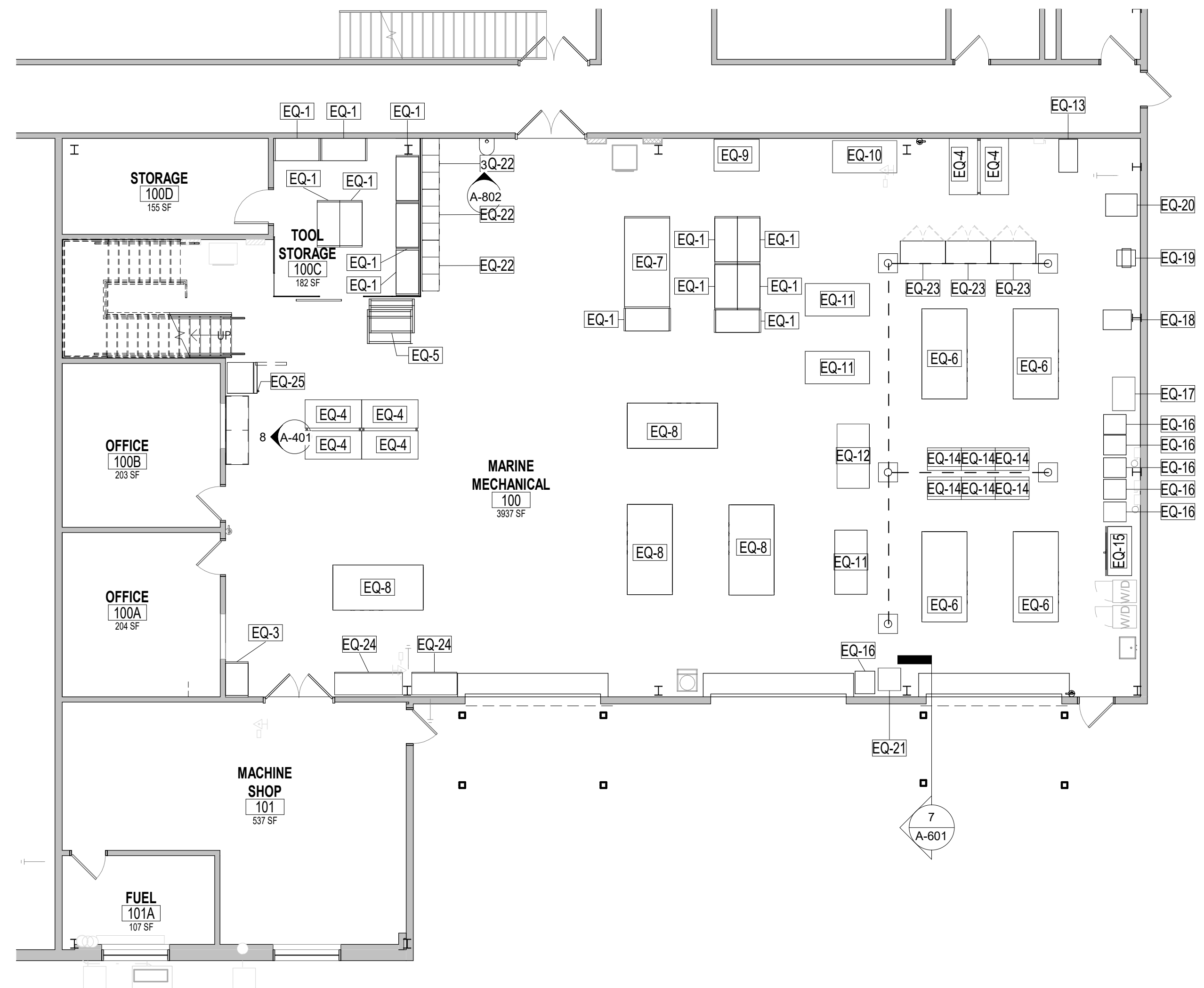
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CAPE MAY, NJ 08204

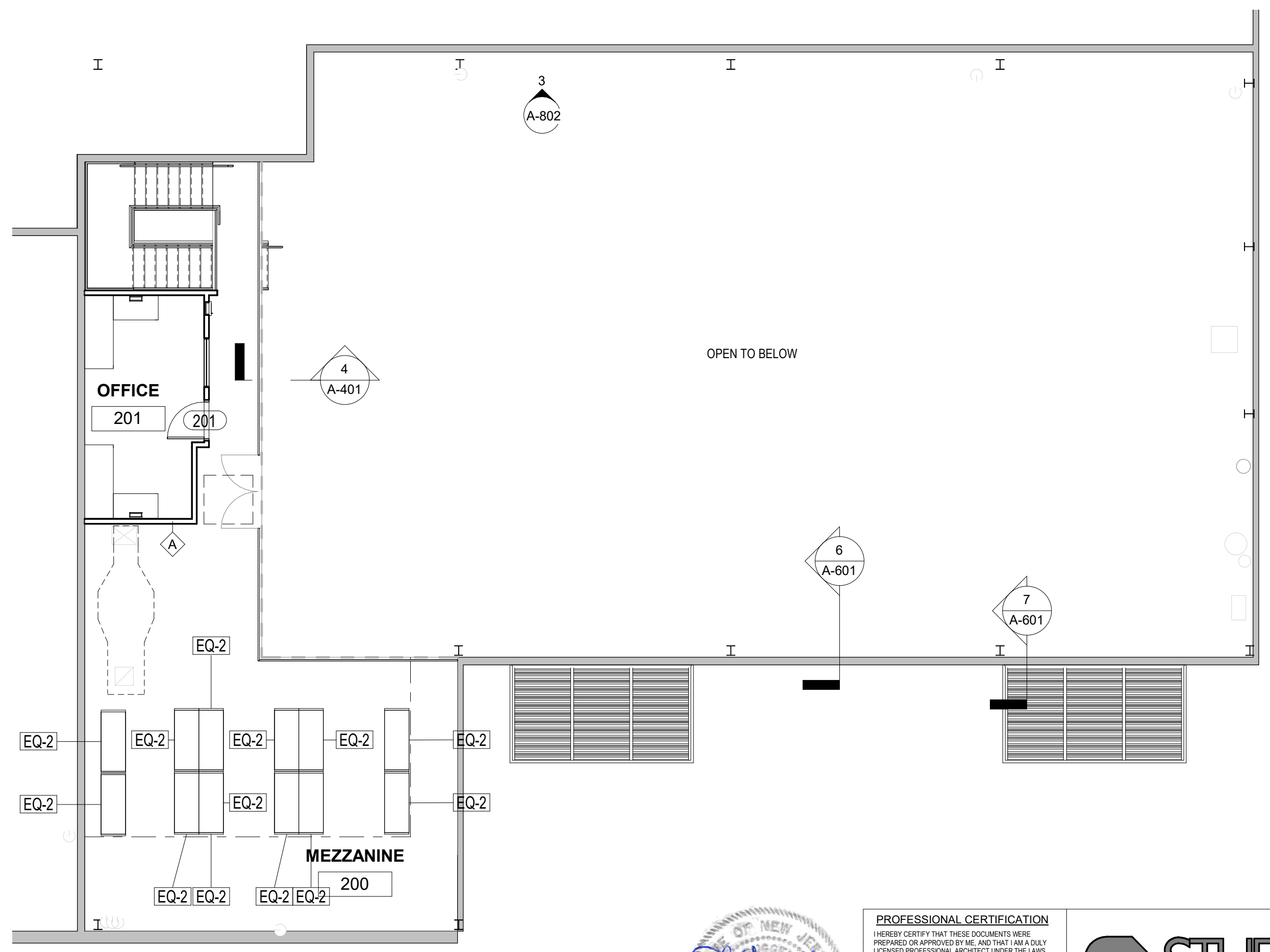
SCHEDULES AND DETAILS A-601

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 8 OF 25

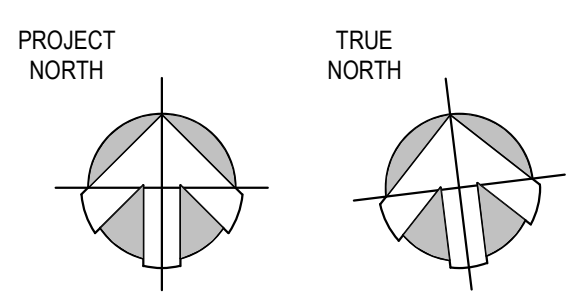


1 EQUIPMENT PLAN - FIRST FLOOR
1/8" = 1'-0"

EQUIPMENT SCHEDULE						
MARK	QUANT	PRODUCT DESCRIPTION	MANUFACTURER	MODEL #	ALTERNATE/ BASE BID	NOTES
EQ-1	13	NEW 2'-0" D x 4'-0" W x 87" H CLOSED INDUSTRIAL STEEL SHELVING	ULINE	H-4354	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-2	12	NEW 2'-0" D x 4'-0" W x 75" H CLOSED INDUSTRIAL STEEL SHELVING	ULINE	H-7680	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-3	1	NEW 2'-0" D x 3'-0" W x 87" H CLOSED INDUSTRIAL STEEL SHELVING	ULINE	H-4352	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-4	6	NEW 30" DEEP BY 60" WIDE LAMINATE AND STEEL COMPUTER WORKSTATIONS WITH (2) UPPER SHELVES, LIGHTING KIT, AND ELECTRIC POWER	RDM INDUSTRIAL PRODUCTS, INC.	F-107P	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-5	1	NEW 48" x 36" x 96" POWDER COATED REEL RACK	GLOBAL INDUSTRIES	T9A653176	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-6	4	NEW 4'-0" x 8'-0" WELDING BENCH	STRONG HAND TOOLS	MAX TABLES	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-7	1	NEW 4'-0" BY 8'-0" PALLET SHELVING UNIT WITH WIRE DECKING AND INSTALLATION KIT	ULINE	H-10505, H-10519	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-8	4	NEW 48" D x 96" W x 36" H HEAVY DUTY STAINLESS STEEL WORK BENCH WITH THE FOLLOWING: •3000 LB LOAD CAPACITY •MARINE EDGE OR DRAINTOP COUNTERTOP WITH 5 GALLON MINIMUM FLUID BASIN CAPACITY •DRAINAGE HOLE WITH PLUG •QUAD OUTLET •UNDERSHELF	RDM INDUSTRIAL PRODUCTS, INC.	A-109P-CLG	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-9	1	EXISTING SANDBLASTING CABINET	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-10	1	EXISTING METAL SAW ON STAND	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-11	3	EXISTING BENDING MACHINE	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-12	1	EXISTING HYDRAULIC HOLD DOWN	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-13	1	EXISTING DRILL PRESS	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-14	6	EXISTING TOOL CABINETS	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-15	1	EXISTING DOWNDRAFT TABLE	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-16	6	EXISTING MOVABLE WELDING EQUIPMENT	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-17	1	EXISTING WELDING ROD STORAGE CABINET	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-18	1	EXISTING WET BELT GRINDER	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-19	1	EXISTING BENCH GRINDER	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-20	1	EXISTING VERTICAL BANDSAW	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-21	1	EXISTING TABLE AND TABLETOP EQUIPMENT	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-22	3	NEW 3-WIDE DUAL HEIGHT METAL LOCKERS 18" WIDE BY 18" DEEP BY 72" HIGH WITH CLOSED BASES	SALSBURY INDUSTRIES	18-52368	BASE BID	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-23	3	48" W x 24" D x 78" H STORAGE CABINET	ULINE	H-1871	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR
EQ-24	2	EXISTING WORK BENCH	EXISTING	EXISTING	EXISTING	RELOCATED BY OWNER
EQ-25	1	NEW REFRIGERATOR WITH FREEZER	WHIRLPOOL	WRT541SZD	ALTERNATE #1	PROVIDED AND INSTALLED BY CONTRACTOR



2 EQUIPMENT FLOOR PLAN - MEZZANINE
1/8" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP RENOVATION
1200 SANDMAN BLVD
CAPE MAY, NJ 08204

EQUIPMENT PLAN A-801

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 9 OF 25

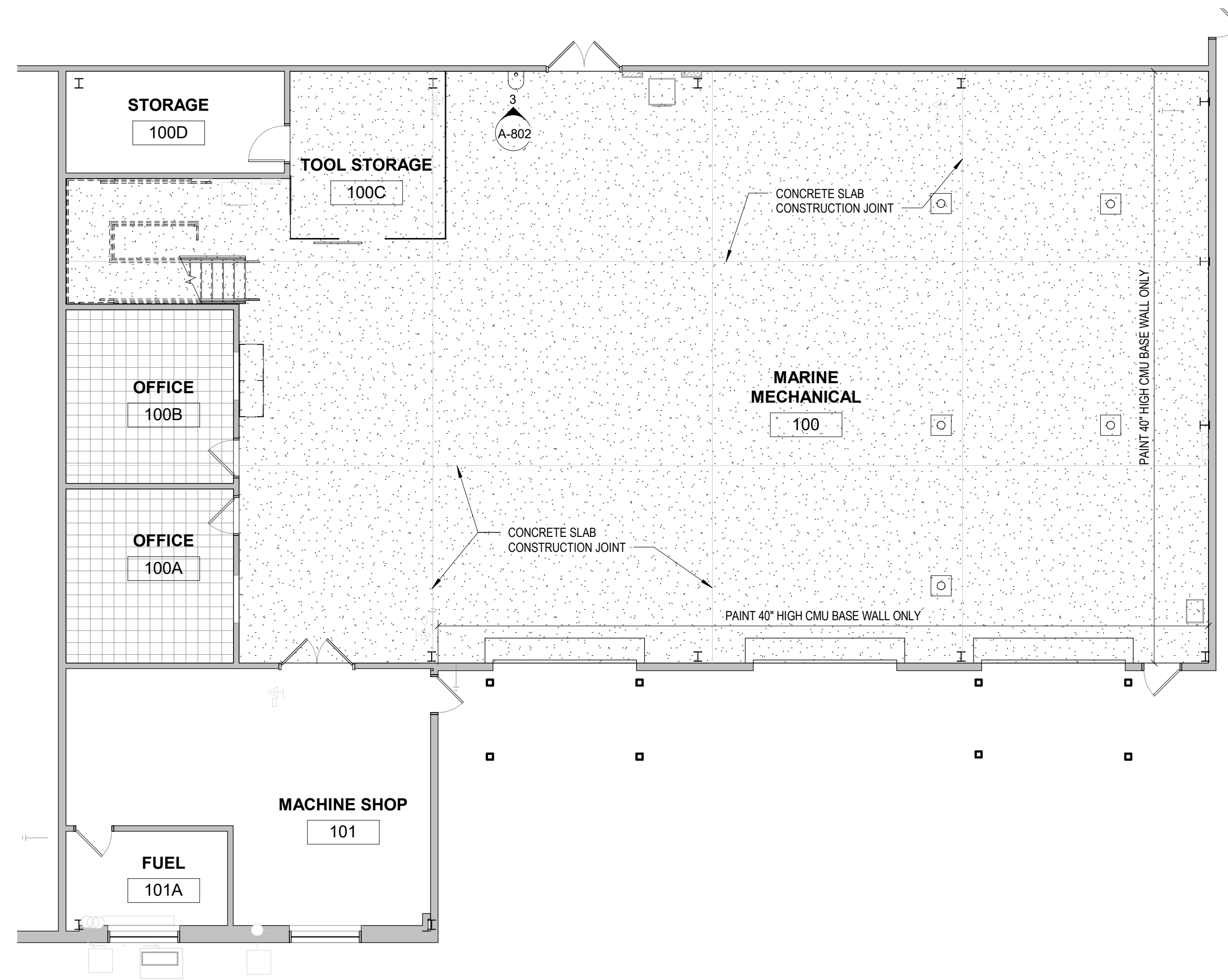


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1 FINISH PLAN - FIRST FLOOR
A-802 1/8" = 1'-0"

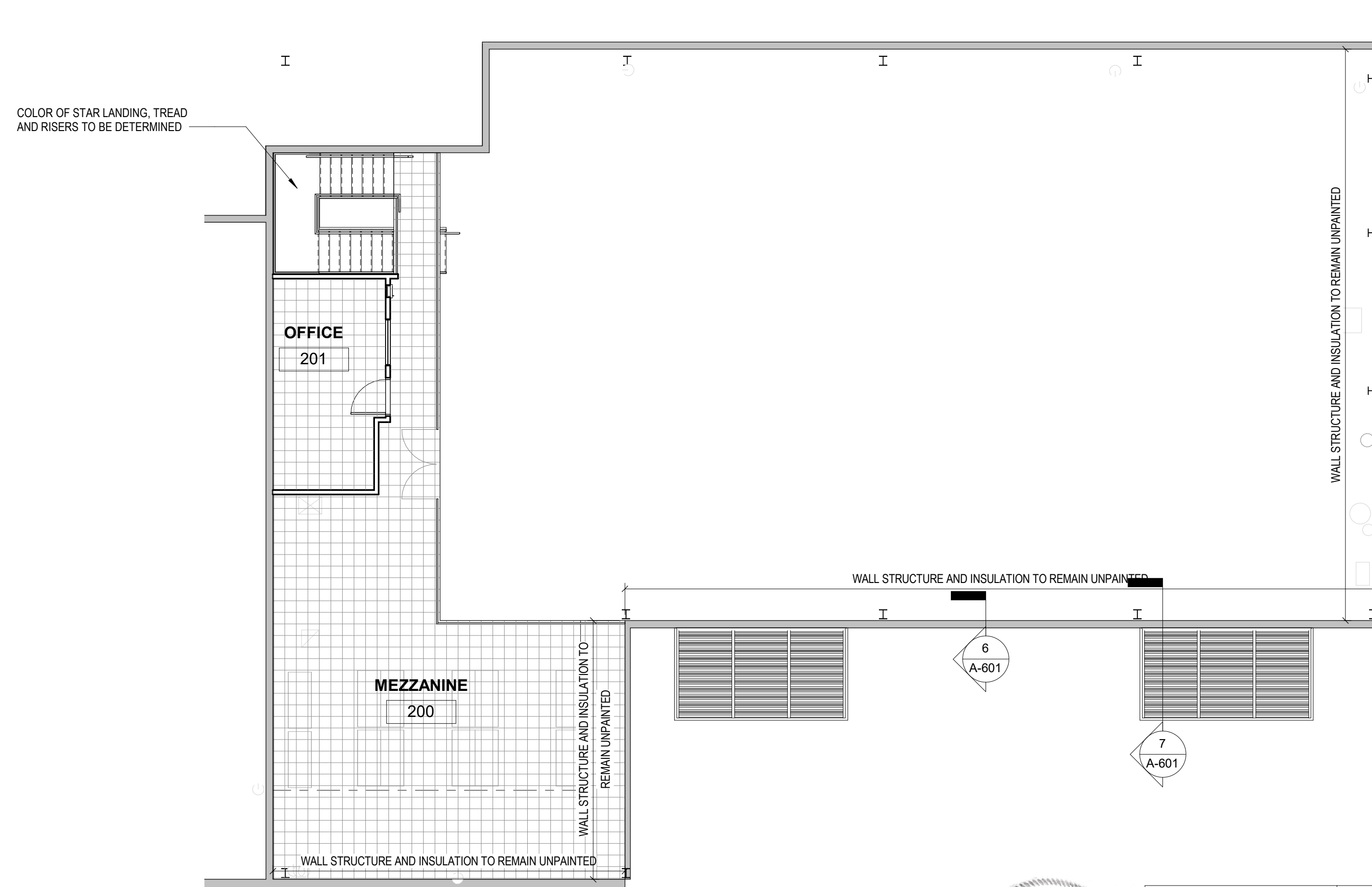
NUMBER	NAME	FINISHES						NOTES
		FLOOR	BASE	WALLS				
				NORTH	EAST	SOUTH		
100	MARINE MECHANICAL	EPOXY	EPOXY	P-1/P-2/P-3	P-3	P-3	P-1/P-2/P-3	
100A	OFFICE	EPOXY	EPOXY	P-6	P-6	P-6	P-6	
100B	OFFICE	EPOXY	EPOXY	P-6	P-6	P-6	P-6	
100C	TOOL STORAGE	EPOXY	EPOXY	P-6	-	-	P-6	
100D	STORAGE	EXISTING TO REMAIN	EXISTING TO REMAIN	P-6	P-6	P-6	P-6	
101	MACHINE SHOP	EXISTING TO REMAIN	EXISTING TO REMAIN	P-6	P-6	P-6	P-6	
101A	FUEL	EXISTING TO REMAIN	EXISTING TO REMAIN	P-6	P-6	P-6	P-6	
200	MEZZANINE	VCT	RB-1	P-3	P-3	P-3	P-3	PROVIDE AND INSTALL NEW 1/4" CEMENTITIOUS UNDERLAYMENT.
201	OFFICE	VCT	RB-1	P-6	P-6	P-6	P-6	PROVIDE AND INSTALL NEW 1/4" CEMENTITIOUS UNDERLAYMENT.

FINISH NOTES

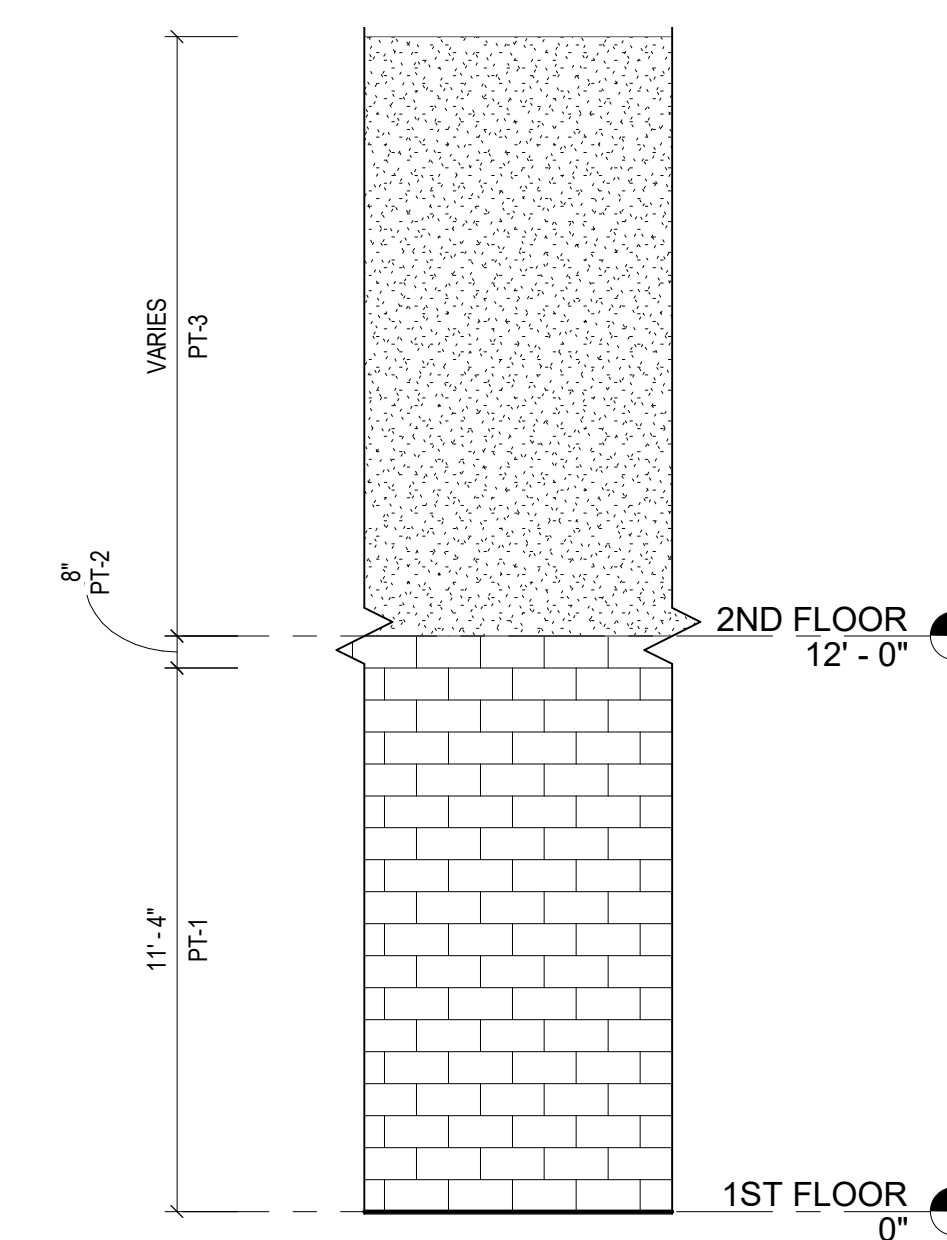
1. ALL CONCRETE MASONRY WALLS, GYPSUM BOARD WALLS, GYPSUM BOARD SOFFITS, AND WOOD BEAMS TO BE PAINTED.
2. PAINT ALL NEW AND EXISTING MAN DOORS AND FRAMES.
3. ALL STEEL BEAMS, STEEL GIRTS, PREENGINEERED COLUMNS, INSULATION BACKING, AND OVERHEAD DOORS WILL NOT BE PAINTED.

FINISH LEGEND:

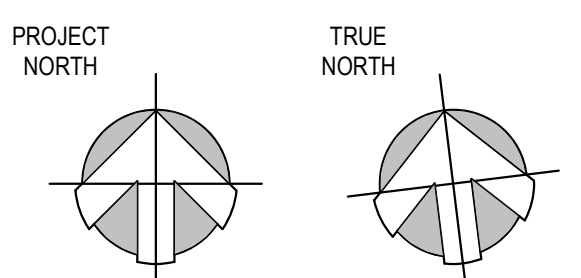
P-1	EGGSHELL FINISH PAINT (LIGHT) MANUFACTURER: PPG COLOR: ARIA PPG1001-2	P-6	EGGSHELL FINISH PAINT MANUFACTURER: PPG COLOR: COOL SLATE PPG1002-3	PLAM-1	HIGH PRESSURE LAMINATE WITH MOISTURE-RESISTANT FIBERBOARD FOR VERTICAL CABINET SURFACES MANUFACTURER: WILSONART COLOR: PHANTOM CHARCOAL 8214
P-2	EGGSHELL FINISH PAINT (BLUE ACCENT) MANUFACTURER: PPG COLOR: BRILLIANT BLUE PPG1161-7	RB-1	4" THERMOPLASTIC RUBBER BASE MANUFACTURER: ROPPE SERIES: 700 SERIES COLOR: 667 GALATIC	PLAM-2	HIGH PRESSURE LAMINATE WITH MOISTURE-RESISTANT FIBERBOARD FOR COUNTERTOP AND SPLASH MANUFACTURER: WILSONART COLOR: BATTLESHIP 5014
P-3	EGGSHELL FINISH PAINT (DARK) MANUFACTURER: PPG COLOR: MOODY SKY PPG0993-7	EPOXY	EPOXY FLOORING WITH 4" INTEGRAL BASE MANUFACTURER: SIKA USA SERIES: PURCEM TG COLOR: BASALT GREY OR BLUE		
P-4	SEMI-GLOSS FINISH PAINT (NEW AND EXISTING DOOR AND FRAMES) MANUFACTURER: PPG COLOR: PHANTOM MIST PPG1002-7	VCT-1	VINYL TILE MANUFACTURER: TARKETT SERIES: VCT II COLOR: STEEL WORKS 522		
P-5	FLAT FINISH PAINT (GYPSUM BOARD CEILING) MANUFACTURER: PPG COLOR: CEILING WHITE				



2 PHASING PLAN - MEZZANINE
A-802 1/8" = 1'-0"



3 PAINT ELEVATION AT MARINE MECHANICAL SHOP
A-802 1/4" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

FINISH PLAN AND DETAILS

A-802

DATE : 02/16/24

SCALE : AS NOTED

SHEET NO : 10 OF 25



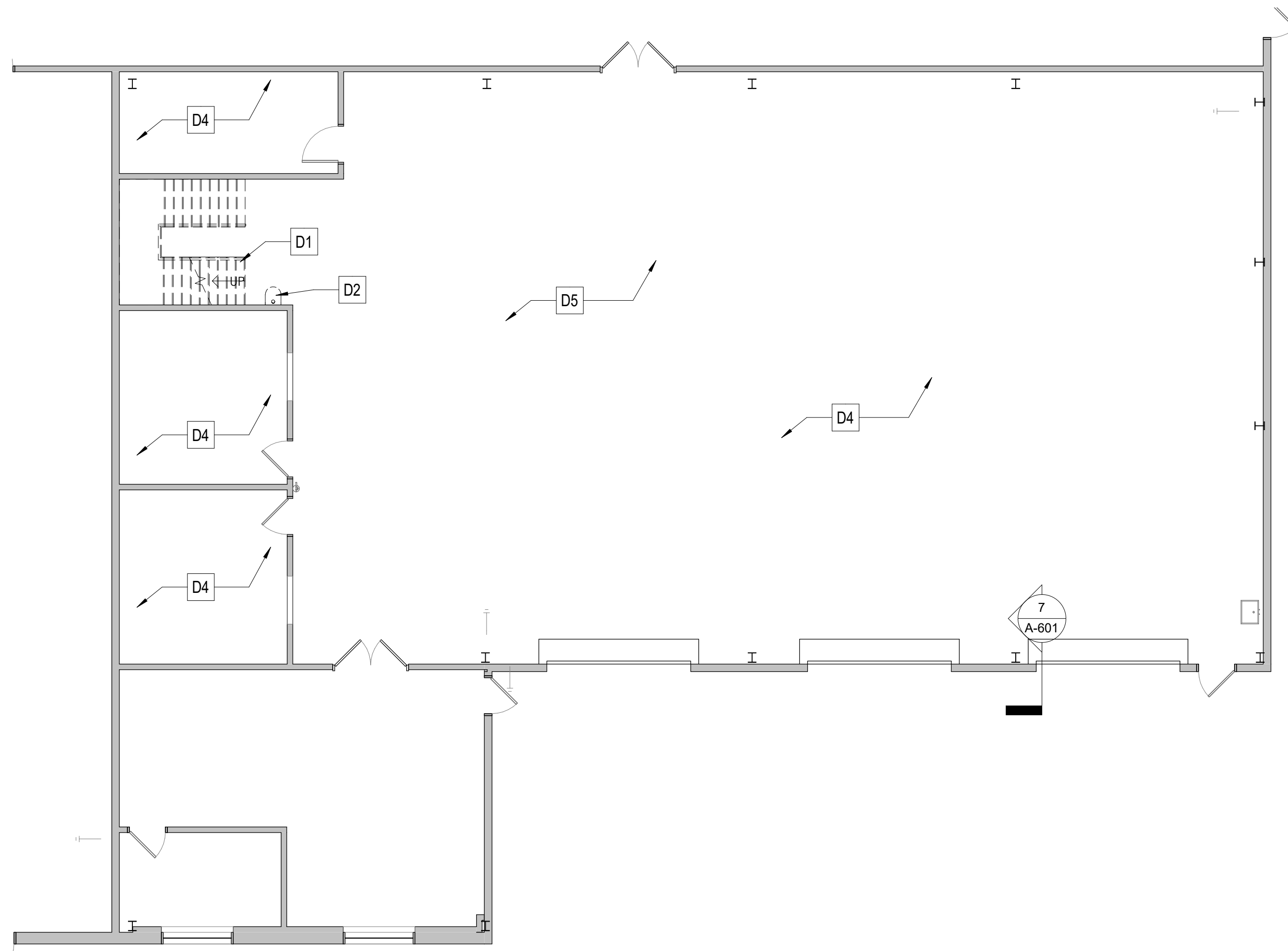
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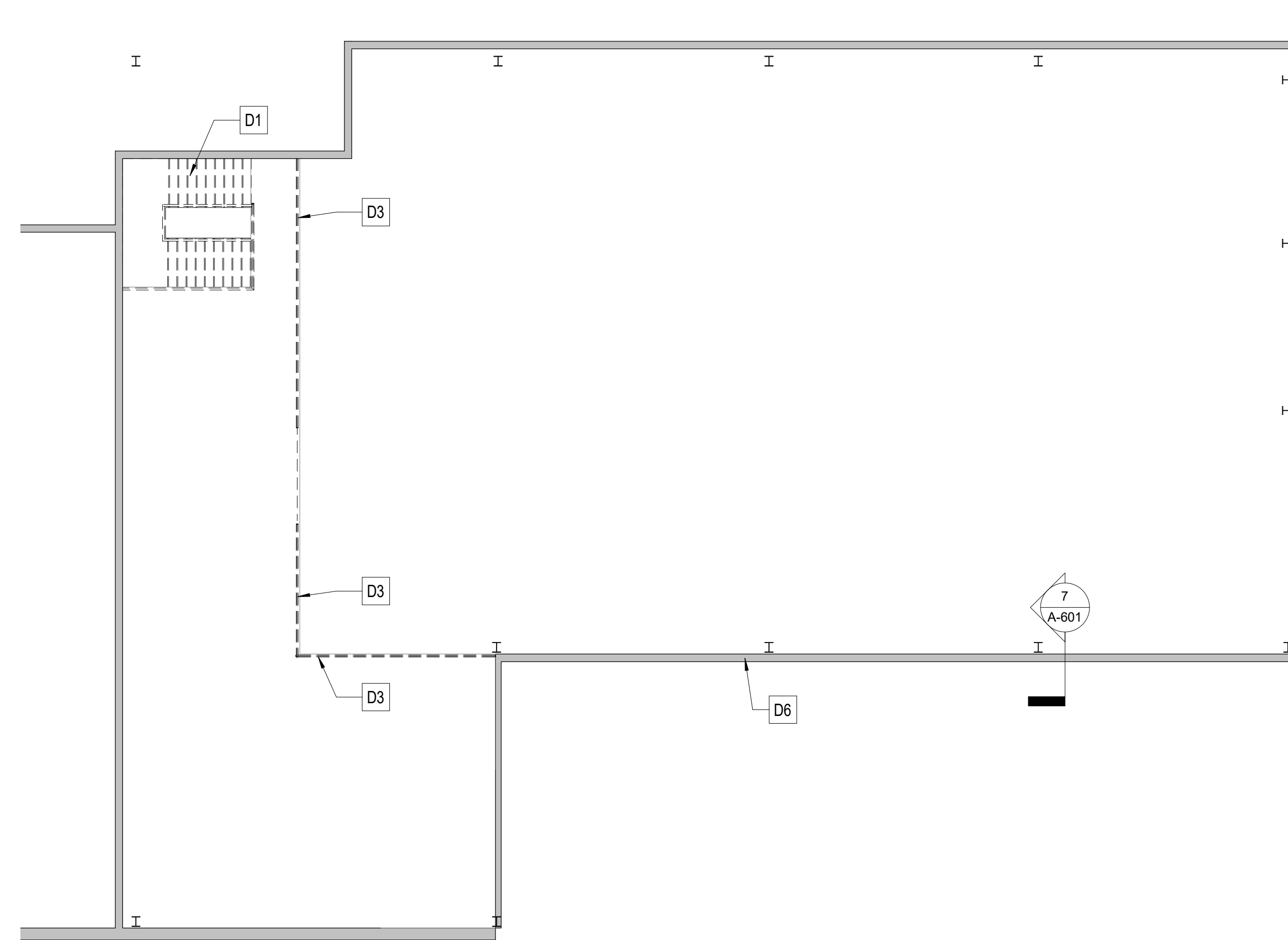
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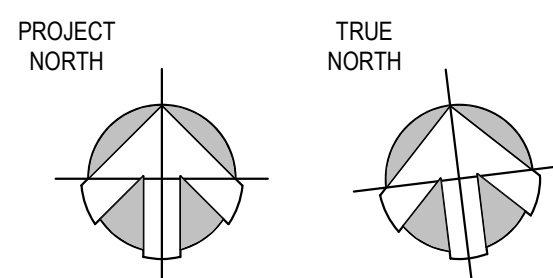
DEMOLITION KEY NOTES	
#	KEY NOTE
D1	DEMOLISH AND DISPOSE OF EXISTING WOOD STAIRS, INCLUDING BUT NOT LIMITED TO RISERS, TREADS, STRINGERS, LANDING, HANDRAILS, GUARDRAILS, AND WOOD JOISTS.
D2	WITH CARE REMOVE AND STORE WALL MOUNTED EYE WASH STATION
D3	DEMOLISH AND DISPOSE OF EXISTING PIPE GUARDRAIL IN ITS ENTIRETY.
D4	WITH CARE CLEAN ALL CONCRETE FLOORS IN ITS ENTIRETY. PATCH AND PREPARE SLAB FOR NEW EPOXY FLOORING FINISH.
D5	DEMOLISH MISCELLANEOUS CABINETS, BUILT-INS, EQUIPMENT, FURNITURE AND FIXTURES IN AREAS AFFECTED BY NEW CONSTRUCTION.
D6	CUT OPENING IN EXISTING METAL PANEL, INSULATION AND SUBGIRT. INSTALL TEMPORARY FRAMING TO SUPPORT REMAINING SUBGIRT UNTIL ADDITIONAL FRAMING CAN BE INSTALLED.



1 FIRST FLOOR DEMOLITION PLAN
AD101 1/8" = 1'-0"



2 MEZZANINE DEMOLITION PLAN
AD101 1/8" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP
RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

DEMOLITION FLOOR PLAN

AD101

DATE : 02/16/24

SCALE : AS NOTED

SHEET NO : 4 OF 25



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200 WINDGATE HILL ROAD, STE. 110
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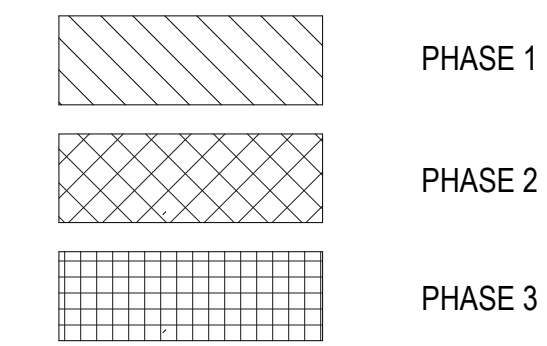
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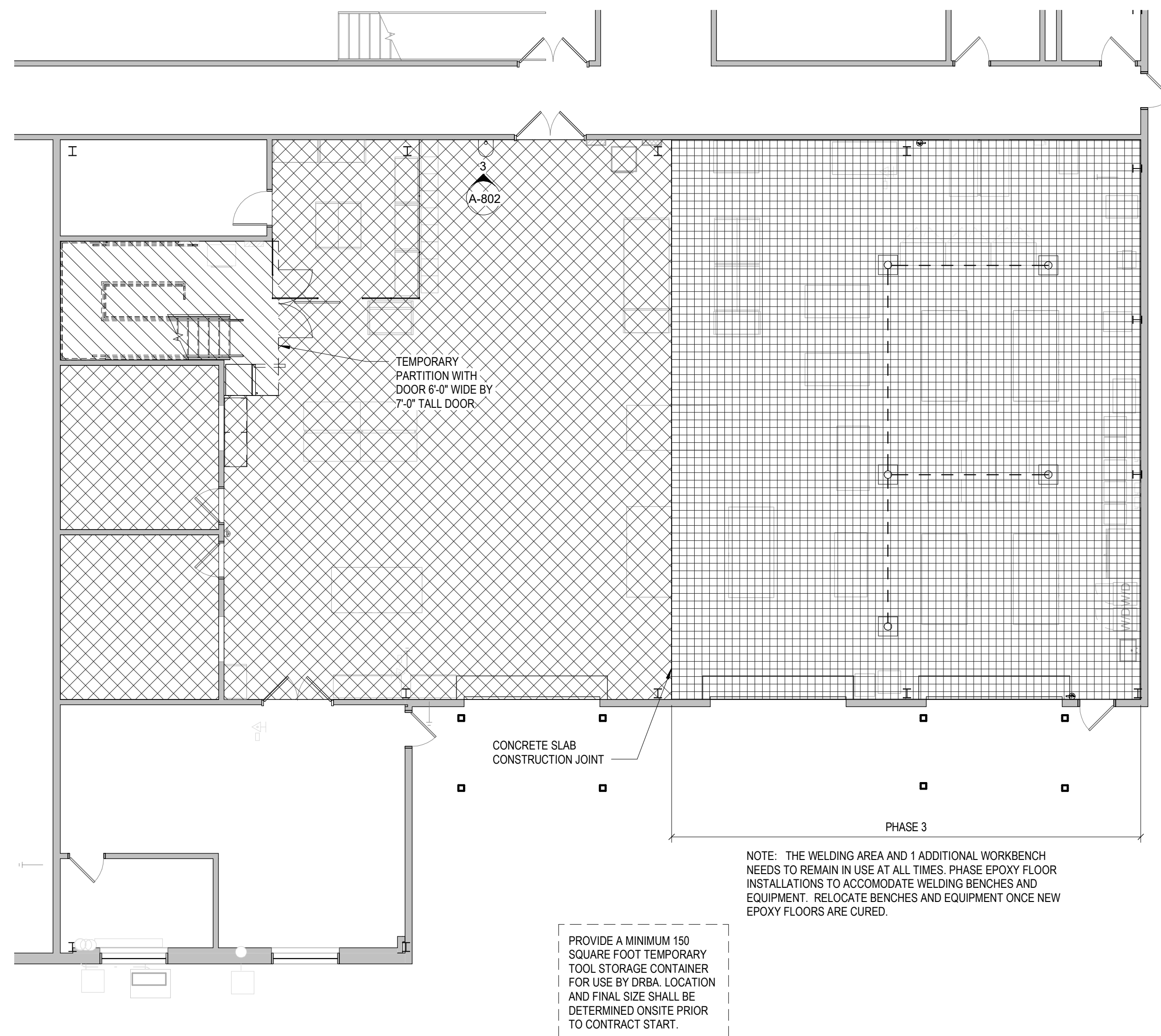
PHASING LEGEND



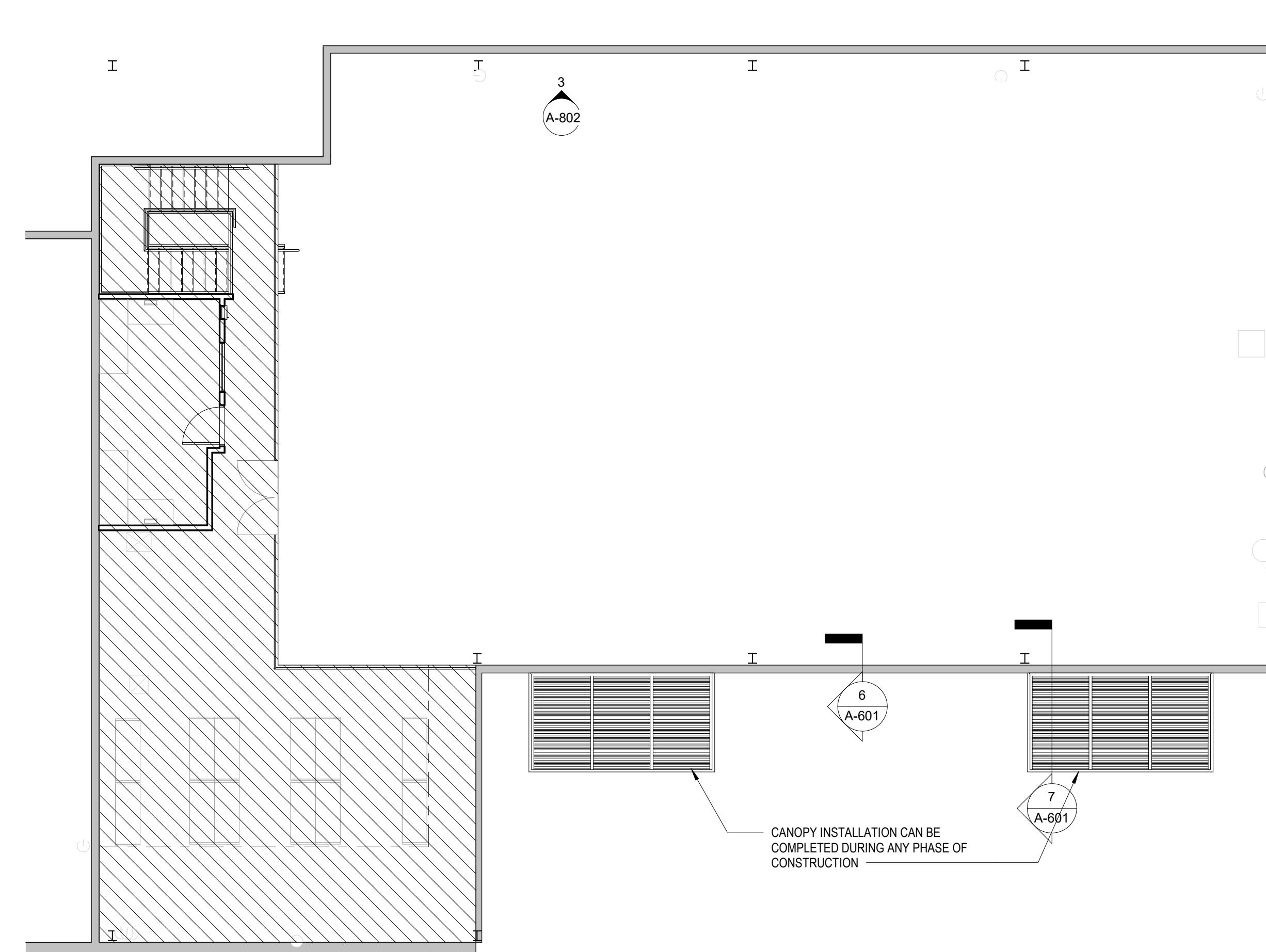
PHASING NOTES

THE FOLLOWING APPLIES FOR ALL DRAWINGS:

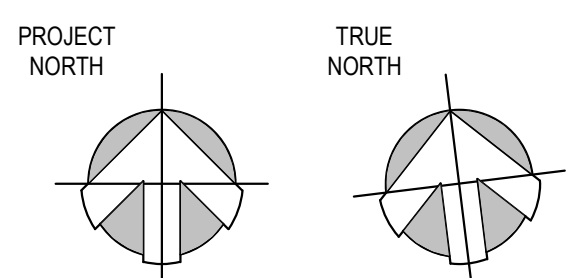
1. PHASING PLANS DESIGNATE SEQUENCE OF ALL WORK TO BE COMPLETED IN THE INDICATED AREA. REFER TO DRAWINGS FOR ALL DISCIPLINES TO DETERMINE EXTENT OF WORK IN EACH AREA. THE CONTRACTOR SHALL SUBMIT A SCHEDULE DETAILING THE WORK PHASE ACTIVITIES AND DURATIONS FOR APPROVAL BY THE DELAWARE RIVER BAY AUTHORITY 14 DAYS PRIOR TO PLANNED SITE MOBILIZATION.
2. CONTRACTOR SHALL COORDINATE ANY ACCESS REQUIRED TO OCCUPIED AREAS WITH THE DELAWARE RIVER BAY AUTHORITY 48 HOURS PRIOR TO PERFORMING WORK.
3. VISION LINES BETWEEN PHASES ARE DIAGRAMMATIC ONLY. TEMPORARY PARTITION LOCATIONS WILL BE SUBMITTED TO THE DELAWARE RIVER BAY AUTHORITY FOR APPROVAL AS REQUIRED.
4. THE CONTRACTOR SHALL NOTIFY THE DELAWARE RIVER BAY AUTHORITY AND REQUEST AN INSPECTION AND APPROVAL OF EACH COMPLETED PHASE PRIOR TO OCCUPANCY.
5. THE CONTRACTOR SHALL SUBMIT A NARRATIVE PLAN TO THE DELAWARE RIVER BAY AUTHORITY'S ENVIRONMENTAL HEALTH AND SAFETY OFFICE FOR APPROVAL. THE PLAN SHALL DETAIL THE MEANS AND METHODS UTILIZED TO MAINTAIN A SAFE WORK ENVIRONMENT DURING CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO FUME MITIGATION, DUST AND NOISE CONTROL, HOW FACILITY ACCESS WILL BE MAINTAINED, AND MAINTAINING SECURITY PROTOCOL ON SITE.



1 PHASING PLAN - FIRST FLOOR
AP101 1/8" = 1'-0"



2 PHASING PLAN - MEZZANINE
AP101 1/8" = 1'-0"



DRBA CAPE MAY MAINTENANCE SHOP RENOVATION

1200 SANDMAN BLVD
CAPE MAY, NJ 08204

PHASING PLAN

AP101

DATE : 02/16/24

SCALE : AS NOTED

SHEET NO : 3 OF 25



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LIGHTING SYMBOLS

	LIGHTING FIXTURE, CEILING MOUNTED
	LIGHTING FIXTURE, WALL MOUNTED
	EMERGENCY LIGHTING FIXTURE
	EMERGENCY BATTERY TYPE LIGHTING FIXTURE
	EMERGENCY REMOTE HEAD TYPE LIGHTING FIXTURE
	EXIT SIGN, SINGLE FACE, CEILING/WALL MOUNTED
	EXIT SIGN, DOUBLE FACE, CEILING/WALL MOUNTED
	EXIT SIGN, AS ABOVE, WITH DIRECTIONAL ARROWS
	COMBINATION EXIT SIGN EMERGENCY LIGHT, SINGLE FACE, WALL MOUNTED
$\$$	SINGLE POLE TOGGLE SWITCH
$\$_3$	THREE-WAY TOGGLE SWITCH
$\$_4$	FOUR-WAY TOGGLE SWITCH
$\$D$	DIMMER CONTROL SWITCH
$\$Lv$	LOW VOLTAGE PUSHBUTTON WALL STATION
$\$LVD$	LOW VOLTAGE PUSHBUTTON WALL STATION WITH DIMMING CONTROL
$\$D$	LIGHTING CONTROL OCCUPANCY/VACANCY SENSOR WALL SWITCH
$\$DD$	LIGHTING CONTROL OCCUPANCY/VACANCY SENSOR DIMMING WALL SWITCH
$\$K$	WALL MOUNTED KEY SWITCH
$\$S$	LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED

POWER SYMBOLS

	DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R, PER SPECIFICATION
	DOUBLE DUPLEX (QUAD) RECEPTACLE NEMA CONFIGURATION 5-20R, PER SPECIFICATION
	DUPLEX RECEPTACLE AS ABOVE, GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE OR PROTECTED BY UPSTREAM GFCI RECEPTACLE.
	DUPLEX RECEPTACLE AS ABOVE, COUNTERTOP
	DUPLEX RECEPTACLE AS ABOVE, COUNTERTOP GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE OR PROTECTED BY UPSTREAM GFCI RECEPTACLE.
	WEATHER RESISTANT GFCI DUPLEX RECEPTACLE AS ABOVE, WITH WEATHERPROOF WHILE-IN-USE COVER
	SIMPLEX SINGLE RECEPTACLE, NEMA CONFIGURATION 5-15R/5-20R PER SPECIFICATION (SUBSCRIPT DESIGNATIONS SAME AS ABOVE)
	SPECIAL RECEPTACLE, NEMA TYPE AS INDICATED ON PLAN
	208Y/120V PANELBOARD, EXTENDED FRONT LINES INDICATE RECESSED, OTHERWISE SURFACE MOUNTED.
	480Y/277V PANELBOARD, EXTENDED FRONT LINES INDICATE RECESSED, OTHERWISE SURFACE MOUNTED.
	JUNCTION BOX - CEILING, WALL OR FLOOR MOUNTED
$\$M$	MANUAL MOTOR STARTER SWITCH - NO OVERLOADS
$\$MOL$	MANUAL MOTOR STARTER SWITCH - W/ OVERLOADS
$\$T$	TIMER SWITCH
	SAFETY SWITCH

COMMUNICATIONS SYSTEMS SYMBOLS

	DATA OUTLET, PROVIDE 2-GANG BOX, 3/4" CONDUIT W/BUSHING, AND PULLSTRING TO ABOVE ACCESSIBLE CEILING.
--	--

ELECTRICAL MOUNTING HEIGHT SCHEDULE

$\$$	SWITCHES	46" AFF TO \underline{C} (UNO)
	RECEPTACLES	18" AFF TO \underline{C} (UNO)
	COUNTER RECEPTACLES	9" ABOVE COUNTER TO \underline{C} (UNO)
	PANELBOARDS	6'-6" AFF TO TOP OF PANEL
	MISC. EQUIPMENT BOXES	COORDINATE IN FIELD
	MANUAL PULLSTATIONS	46" AFF TO \underline{C} (UNO)
	WALL MOUNTED FIRE ALARM NOTIFICATION APPLIANCES	6'-8" AFF
	TELEPHONE OUTLET	18" AFF TO \underline{C} (UNO)
	TELEPHONE - COUNTERTOP	9" ABOVE COUNTER TO \underline{C} (UNO)
	DATA OUTLET	18" AFF TO \underline{C} (UNO)
	DATA OUTLET - COUNTERTOP	9" ABOVE COUNTER TO \underline{C} (UNO)
	TELE/DATE OUTLET	18" AFF TO \underline{C} (UNO)
	TELE/DATE - COUNTERTOP	9" ABOVE COUNTER TO \underline{C} (UNO)
	TV OUTLET	18" AFF TO \underline{C} (UNO)
	COMBINATION TV/RECEPTACLE	COORDINATE MOUNTING HEIGHT SUCH THAT DEVICE IS CENTERED BEHIND TV. COORDINATE TV LOCATION WITH AV INSTALLER
	LED EXIT SIGN	6" ABOVE DOOR FRAME
+X"	ITEMIZED MOUNTING HEIGHT	HEIGHT DESIGNATED BY SUBSCRIPT

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	LED	LIGHT EMITTING DIODE
AL	ALUMINUM	LRA	LOCKED ROTOR AMPS
ADA	AMERICAN DISABILITY ACT	LV	LOW VOLTAGE
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
A	AMPERE(S)	MGB	MAIN GROUND BAR
AIC	AMPERE INTERRUPTING CAPACITY	MLO	MAIN LUGS ONLY
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MTS	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	MISC	MISCELLANEOUS
BATT	BATTERY	MOD	MOTOR OPERATED DAMPER
BFC	BELOW FINISHED CEILING	MTD	MOUNTED
BFG	BELOW FINISHED GRADE	MH	MOUNTING HEIGHT
BPS	BOLTED PRESSURE SWITCH	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NL	NIGHT LIGHT (UNSWITCHED)
CATV	CABLE TELEVISION	NFSS	NON-FUSED SAFETY SWITCH
C	CONDUIT	NC	NORMALLY CLOSED
CLG	CEILING	NO	NORMALLY OPEN
CKT	CIRCUIT	NIC	NOT IN CONTRACT
C/B	CIRCUIT BREAKER	NTS	NOT TO SCALE
CONT	CONTINUATION	OE	OVERHEAD ELECTRIC
CU	COPPER	OT	OVERHEAD TELECOMMUNICATIONS
CT	CURRENT TRANSFORMER	PNL	PANELBOARD
Δ	DELTA CONNECTED	ϕ / PH	PHASE
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	P	POLE
DC	DIRECT CURRENT	PVC	POLYVINYL CHLORIDE
DISC	DISCONNECT	PT	POTENTIAL TRANSFORMER
DAS	DISTRIBUTED ANTENNA SYSTEM	PWR	POWER
2P	DOUBLE POLE	PF	POWER FACTOR
DPDT	DOUBLE POLE, DOUBLE THROW	PRI	PRIMARY
DPST	DOUBLE POLE, SINGLE THROW	REC	RECEPTACLE
DT	DOUBLE THROW	RL	REMOVE AND RETAIN FOR RELOCATION
DWG	DRAWING	RM	ROOM
DE/DT	DUAL ELEMENT / TIME DELAY	RMS	ROOT MEAN SQUARE
EMT	ELECTRICAL METALLIC TUBING	RX	REMOVE EXISTING
E	EMERGENCY	SS	SAFETY DISCONNECT SWITCH
EC	EMPTY CONDUIT	SEC	SECONDARY
ECB	ENCLOSED CIRCUIT BREAKER	SD	SERVICE DISCONNECT
EMS	ENERGY MANAGEMENT SYSTEM	isc	SHORT CIRCUIT CURRENT (RMS SYMMETRICAL AMPERES)
EV	ELECTRIC VEHICLE	SCCR	SHORT CIRCUIT CURRENT RATING
EF	EXHAUST FAN	1P	SINGLE POLE
EX	EXISTING	SPDT	SINGLE POLE, DOUBLE THROW
ER	EXISTING RELOCATED	SPST	SINGLE POLE, SINGLE THROW
ETR	EXISTING TO REMAIN	ST	SINGLE THROW
FT	FEET	S/N	SOLID NEUTRAL
FA	FIRE ALARM	SPD	SURGE PROTECTION DEVICE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SYM	SYMMETRICAL
FAEP	FIRE ALARM EXTENDER PANEL	TGB	TELECOMMUNICATIONS GROUND BAR
4P	FOUR POLE	TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
FLA	FULL LOAD AMPERES	TELE	TELEPHONE
F	FUSED OR FUSIBLE	TTB	TELEPHONE TERMINAL BOARD
FSS	FUSED SAFETY SWITCH	TMS	THERMAL MANUAL SWITCH
FS	FUSED SWITCH	KCM	THOUSAND CIRCULAR MILS
G/GRO	GROUND	3P	THREE POLE
GB	GROUND BAR	XFMR	TRANSFORMER
GEC	GROUNDING ELECTRODE CONDUCTOR	TYP	TYPICAL
GFI	GROUND FAULT CIRCUIT INTERRUPTER	UE	UNDERGROUND ELECTRIC
HOA	HAND-OFF-AUTOMATIC	UT	UNDERGROUND TELECOMMUNICATIONS
HZ	HERTZ	UL	UNDERWRITERS LABORATORY
HID	HIGH INTENSITY DISCHARGE	UNO	UNLESS NOTED OTHERWISE
HPS	HIGH PRESSURE SODIUM	V	VOLTS
HV	HIGH VOLTAGE	VA	VOLT-AMPERE
HP	HORSEPOWER	WH	WATER HEATER
IG	ISOLATED GROUND	W	WATTS WIRE
IT	INFORMATION TECHNOLOGY	WP	WEATHERPROOF
ITGB	INFORMATION TECHNOLOGY GROUND BAR	W/	WITH
JJB	JUNCTION BOX	WCR	WITHSTAND AND CLOSE-ON RATING
KV	KILOVOLTS	WYE	WYE CONNECTED
KVA	KILOVOLT-AMPERES		
KW	KILOWATTS		

GENERAL NOTES - DIVISION 26

- PROVIDE LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM AS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS. OUTLINE DESCRIPTION AND DIAGRAMMATIC REPRESENTATION OF SYSTEM OPERATION AND EQUIPMENT DOES NOT LIMIT CONTRACTOR LIABILITY FOR FURNISHING AND INSTALLING COMPLETE AND OPERABLE SYSTEMS.
- "DRAWING NOTES" APPLY TO WORK ON THAT INDIVIDUAL DRAWING. "SPECIFIC NOTES" APPLY ONLY WHERE INDICATED WITH THE "SPECIFIC NOTE" SYMBOL.
- WIRE AND CONDUIT SIZES ARE BASED ON COPPER CONDUCTORS UNLESS SPECIFICALLY NOTED OTHERWISE.
- COORDINATE WITH OWNER'S REPRESENTATIVE FOR SCHEDULING OF WORK.
- WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- KEEP THE WORK SITE AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH GENERATED BY WORK FROM THIS CONTRACT. PROPERLY AND LEGALLY DISPOSE OF MATERIALS.
- JOB SITE SAFETY SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- DRAWINGS SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS AND THE MECHANICAL DRAWINGS FOR EXACT MECHANICAL EQUIPMENT LOCATIONS. LOCATIONS OF ELECTRICAL EQUIPMENT AND CONDUIT ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT LOCATIONS IN FIELD.
- CONFIRM EQUIPMENT LOCATIONS AND PLUG TYPES PRIOR TO RECEPTACLE INSTALLATION. PROVIDE RECEPTACLE TYPES TO MATCH PLUG TYPES AND NEMA CONFIGURATION.
- COORDINATE WORK WITH OTHER TRADES. ARCHITECTURAL, STRUCTURAL, MECHANICAL, CIVIL, AND OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
- EXISTING ELECTRICAL INSTALLATION,
 - EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. FOR ELECTRICAL MATERIAL AND EQUIPMENT TO BE REMOVED, REFER TO ELECTRICAL NOTES
 - WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONNECTED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH NEW WORK.
 - DO NOT DISCONTINUE ANY ELECTRICAL SERVICE WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE USER AGENCY. THE ELECTRICAL SERVICE OUTAGES SHALL BE KEPT TO A MINIMUM. WRITTEN APPROVAL FOR DISCONNECTING THE SERVICES MAY BE OBTAINED ONLY BY APPLYING IN ADVANCE OF TEN WORKING DAYS.
- WHEN MOUNTING ELECTRICAL WORK IN AREAS SUBJECT TO PEDESTRIAN TRAFFIC, MAINTAIN REQUIRED HEADROOM CLEARANCES.
- WHEREVER POSSIBLE, OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT, WHETHER FURNISHED UNDER THIS DIVISION, ANOTHER DIVISION, OR BY OTHERS, SHALL BE MADE UNDER THIS DIVISION. FINAL CONNECTIONS TO EQUIPMENT SHALL CONSIST OF SAME SIZE PHASE CONDUCTORS, NEUTRAL CONDUCTORS (AS APPLICABLE), GROUND CONDUCTORS, CONTROL CONDUCTORS (AS APPLICABLE), AND CONDUIT SIZES AS INDICATED ELSEWHERE.
- WHERE MULTIPLE WALL SWITCHES ARE SHOWN ADJACENT TO ONE ANOTHER, GROUP TOGETHER UNDER MULTIGANG PLATE. WHERE DIMMER SWITCHES ARE USED, SELECTION OF CAPACITY SHALL BE BASED ON LOAD SERVED AND ANY DERATING REQUIRED DUE TO GANGING OF SWITCHES.
- PROVIDE TYPED CIRCUIT DIRECTORIES FOR NEW AND EXISTING PANELBOARDS TO INDICATE TYPE OF LOAD SERVED AND AREA SERVED (E.G. RECEPTACLES-OFFICE 201).
- PROVIDE SEPARATE UNSHARED NEUTRAL CONDUCTOR(S) FOR EACH CIRCUIT UTILIZING A NEUTRAL. UNLESS SPECIFICALLY INDICATED OTHERWISE, MULTIWIRE BRANCH CIRCUITS ARE NOT PERMITTED.
- CENTER EQUIPMENT OR DEVICES LOCATED ABOVE OPENINGS SUCH AS DOORS, LOUVER, ETC. ABOVE THE OPENING.
- ELECTRICAL PENETRATIONS IN FIRE-RESISTANCE-RATED CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS OF INTERNATIONAL BUILDING CODE. PROVIDE LISTED FIRE STOP METHOD FOR PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO MAINTAIN THE APPLICABLE FIRE RATINGS.
- PROVIDE STRUCTURAL STEEL FRAME SUPPORTS OR PLYWOOD BACKBOARDS TO MOUNT PANELBOARDS ON METAL STUD WALLS/PARTITIONS. ANCHOR STRUCTURAL STEEL FRAME SUPPORTS OR PLYWOOD BACKBOARD TO METAL STUDS. PROVIDE STRUCTURAL STEEL FRAME SUPPORTS AT A MINIMUM OF TOP AND BOTTOM OF PANELBOARD AND SPAN A MINIMUM OF TWO VERTICAL STUDS. DO NOT ANCHOR PANELBOARDS DIRECTLY TO DRYWALL PARTITION.
- IF APPLICABLE, FURNISH PANELBOARD WITH NUMBER OF POLES INDICATED. EACH SPACE SHALL BE A FULLY PREPARED SPACE (I.E. COMPLETE WITH PROVISIONS AND HARDWARE REQUIRED TO MOUNT A FUTURE CIRCUIT BREAKER, INCLUDING BUS CONNECTIONS, CIRCUIT BREAKER MOUNTING BRACKET, CIRCUIT BREAKER COVER AND COVER KNOCKOUTS, ETC.).
- ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UL LISTED AND SHALL CONFORM TO FACTORY MUTUAL STANDARDS AS APPLICABLE.
- NEW ELECTRICAL WORK INSTALLED IN FINISHED AREAS SHALL BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. PROVIDE CUTTING AND PATCHING OF SURFACES. SURFACE RACEWAYS SHALL BE PERMITTED IN FINISHED AREAS ONLY WHERE SPECIFICALLY APPROVED IN THE FIELD BY ARCHITECT.
- THE ENTIRE ELECTRICAL INSTALLATION, MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION, UNLESS A LONGER WARRANTY PERIOD IS REQUIRED ELSEWHERE IN CONTRACT DOCUMENTS.
- MINIMIZE THE USE OF JUNCTION BOXES ABOVE INACCESSIBLE (I.E. GYPSUM) CEILINGS. WHERE JUNCTION BOXES ARE UNAVOIDABLE ABOVE SUCH CEILING, GROUP THEM WITH OTHER BOXES, SWITCHES, VALVES, ETC. THAT REQUIRE ACCESS, AND PROVIDE AN ACCESS HATCH IN CEILING AS APPROVED BY ARCHITECT.
- CONDUIT, FITTINGS, AND JUNCTION BOXES SHALL BE SUITABLE FOR THE AREA CLASSIFICATION IN WHICH THEY ARE TO BE INSTALLED.
- REMOVE AND REINSTALL CEILING PANELS AS REQUIRED FOR ELECTRICAL WORK. REPLACE, IN-KIND, ANY CEILING PANELS DAMAGED DURING THE COURSE OF WORK.

DEMOLITION NOTES - DIVISION 26

- DISCONNECT AND REMOVE ITEMS SHOWN DASHED ON ELECTRICAL DEMOLITION DRAWINGS. IN ADDITION TO SPECIFIC ELECTRICAL DEMOLITION INDICATED ON ELECTRICAL DEMOLITION DRAWINGS, DISCONNECT AND REMOVE WIRING DEVICES, FIRE ALARM DEVICES, LIGHTING FIXTURES, AND COMMUNICATION OUTLETS ON WALLS, CEILINGS, MILLWORK, ETC. BEING REMOVED. WALLS TO BE REMOVED BY OTHERS ARE SHOWN DASHED ON ELECTRICAL DEMOLITION PLANS. NOTE THAT NOT ALL ELECTRICAL ITEMS TO BE REMOVED ARE INDICATED ON ELECTRICAL DEMOLITION DRAWINGS.
- COORDINATE DEMOLITION WITH NEW WORK, AND REUSE CIRCUITS AND DEVICES AS PERMITTED ELSEWHERE IN CONTRACT DOCUMENTS.
- FOR WIRING NOT BEING REUSED IN NEW WORK, REMOVE BACK TO SOURCE.
- FOR CIRCUIT BREAKERS NOT BEING REUSED, TURN BREAKER OFF AND LABEL AS "SPARE".
- WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED WIRING BREAKS BRANCH CIRCUITS TO REMAIN, THE CIRCUITS' CONTINUITY SHALL BE RESTORED TO PROVIDE POWER SUPPLY TO REMAINING EQUIPMENT.
- CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT OUTSIDE LIMITS OF CONSTRUCTION THAT IS ROUTED THROUGH AREA OF WORK SHALL REMAIN.
- REMOVE EXISTING EXPOSED CONDUIT, OR CONDUIT THAT BECOMES EXPOSED DURING CONSTRUCTION. REMOVE WIRING AND CUT OFF CONDUIT STUBS THROUGH FLOOR FLUSH WITH FLOOR SLAB, FILL WITH CONCRETE, AND MAKE READY TO ACCEPT NEW FLOOR FINISHES WHERE APPLICABLE.
- CONDUIT WHICH REMAINS CONCEALED WITHIN WALLS OR SLABS SHALL BE ABANDONED IN PLACE AFTER REMOVAL OF WIRING.
- WHERE EXISTING CONDUIT STUBS THROUGH ROOF ARE NO LONGER REQUIRED, AND OCCUR IN AREAS WHERE EXISTING ROOF IS TO REMAIN, CONDUIT SHALL BE CUT OFF 6" ABOVE AND BELOW ROOF, AND FILLED WITH EXPANDABLE FOAM SEALANT. CAP CONDUIT ABOVE ROOF AND MAKE COMPLETELY WATERTIGHT.
- WHEREVER EXISTING FLUSH MOUNTED OUTLET BOXES WILL REMAIN EXPOSED. FURNISH AND INSTALL BLANK COVERPLATES.
- PATCH AND FINISH SURFACES DISTURBED BY DEMOLITION UNDER THIS DIVISION WITH MATERIALS TO MATCH EXISTING SURFACE.

BRANCH CIRCUIT WIRE SIZING (120V, 20 AMPERE SINGLE PHASE CIRCUITS) ①	
LENGTH OF RUN	CIRCUIT WIRE SIZE
0' - 60'	#12
60' - 100'	#10
100' - 150'	#8

NOTES
 ① CHART IS BASED ON 1920 WATT LOAD, 120 VOLTS WITH 3% VOLTAGE DROP. ANY DEVIATION, INCLUDING DE-RATING, SHALL BE FIELD CALCULATED. TOTAL MAXIMUM VOLTAGE DROP (ON FEEDER AND BRANCH CIRCUIT) SHALL BE LESS THAN 5%. WHERE A DISCREPANCY EXISTS BETWEEN THIS CHART AND WIRE SIZE ON PANEL SCHEDULE, PROVIDE THE LARGER SIZE.

DRAWING LIST - ELECTRICAL	
SHEET NUMBER	SHEET NAME
E-001	SYMBOLS, NOTES & ABBREVIATIONS
E-020	FLOOR PLANS - ELECTRICAL - DEMOLITION
E-101	FLOOR PLANS - LIGHTING
E-201	FLOOR PLANS - POWER AND LOW-VOLTAGE
E-601	ELECTRICAL ONE-LINE DIAGRAMS AND DETAIL
E-701	ELECTRICAL SCHEDULES
E-702	ELECTRICAL SCHEDULES



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 A Kleinfelder Company
 550 Bay Road Dover, DE 19901
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**DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY**

**VESSEL MAINTENANCE SHOP
RENOVATION**

**SYMBOLS, NOTES &
ABBREVIATIONS**

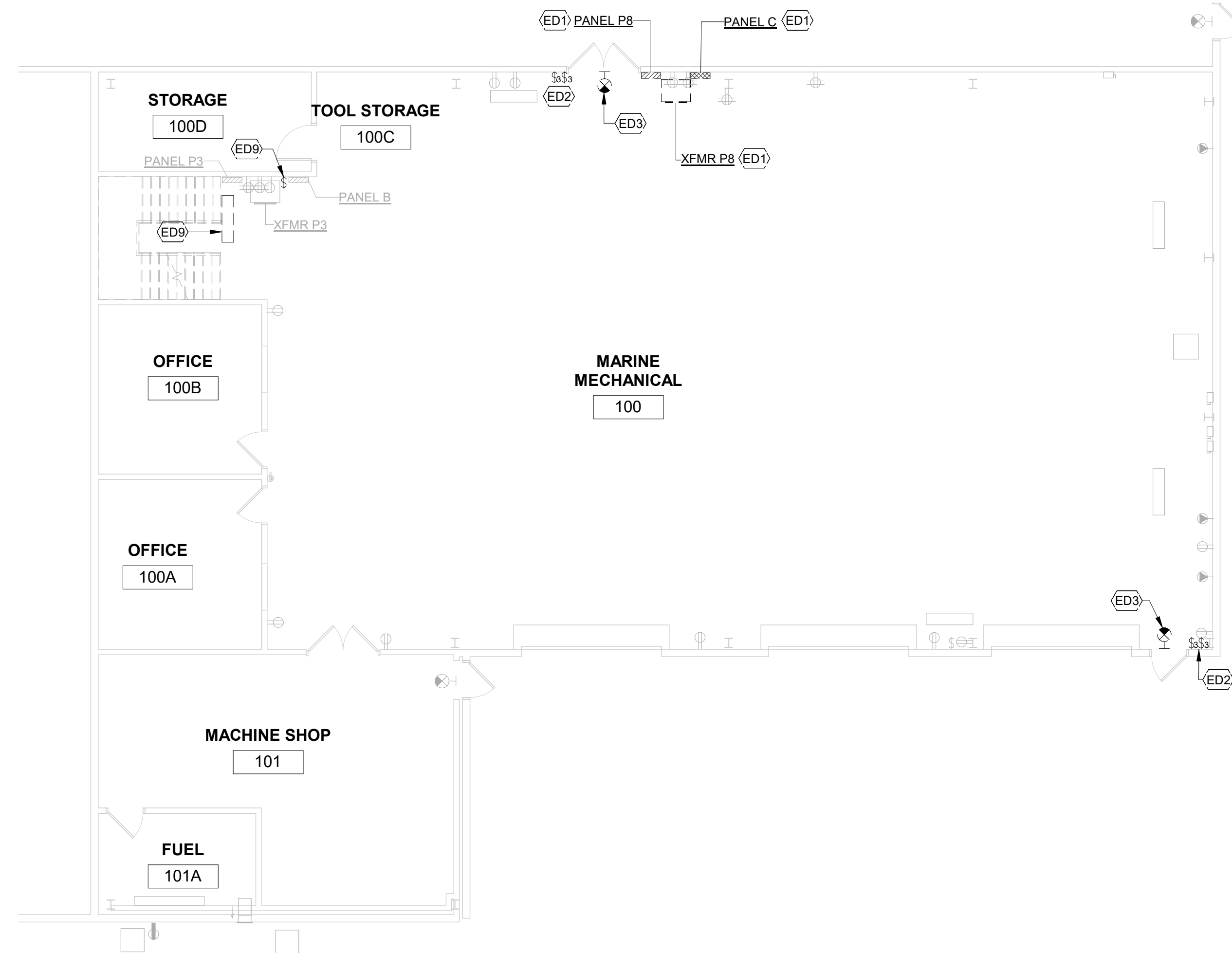
E-001

DRAWING NOTES:

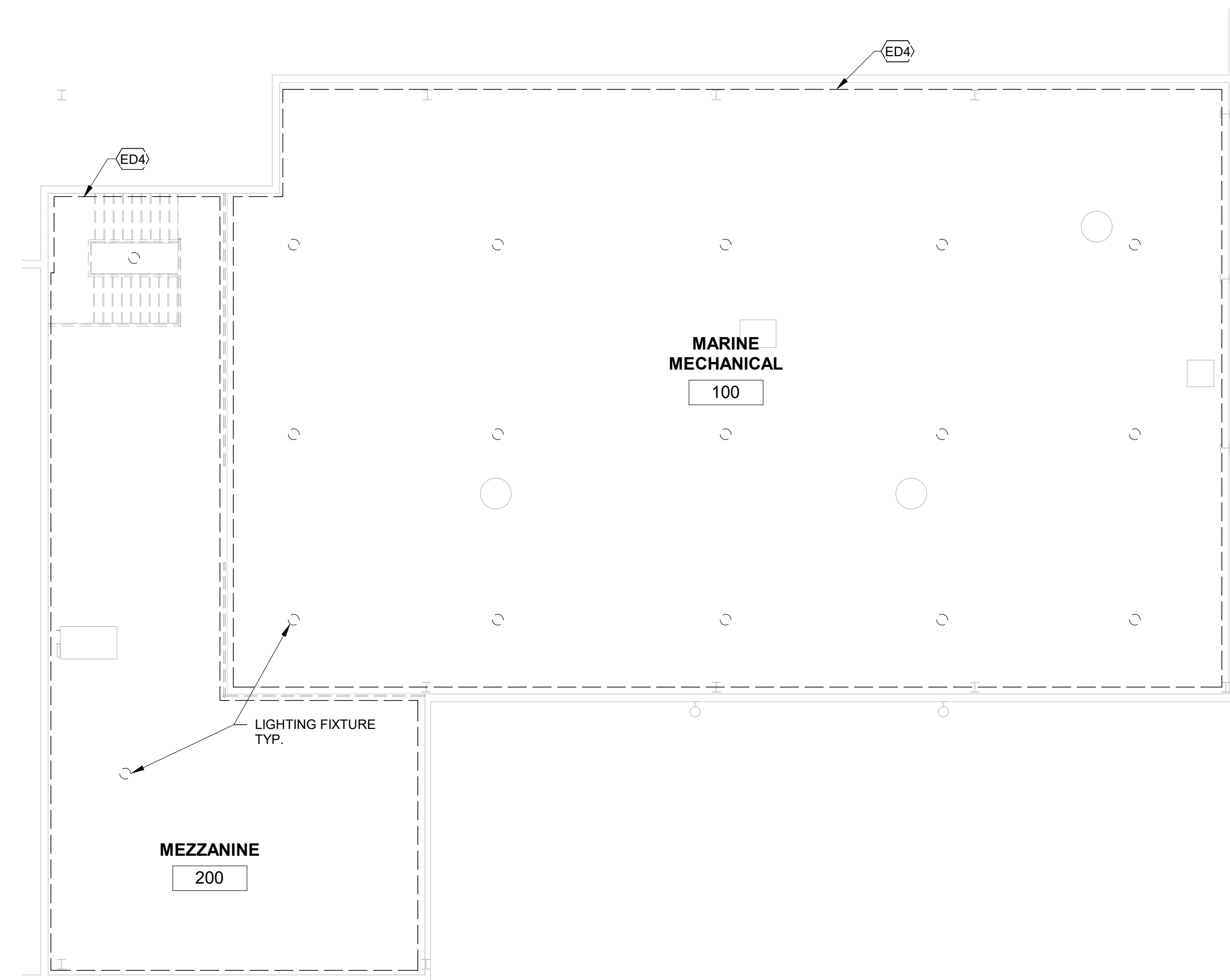
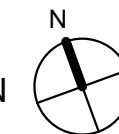
- UNLESS NOTED OTHERWISE, EXISTING EQUIPMENT, LIGHTING FIXTURES, AND DEVICES SHALL REMAIN.
- MAXIMUM POWER INTERRUPTION TIME IS 24 HOURS FOR PANELBOARD AND TRANSFORMER REPLACEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER IF POWER INTERRUPTION IS EXCEEDING 24 HOURS. REPLACE ONE EQUIPMENT AT A TIME TO MINIMIZE POWER INTERRUPTION TIME.
- SCHEDULE FOR ANY ELECTRIC OUTAGES WITH OWNER TEN WORKING DAYS IN ADVANCE.
- COORDINATE ELECTRICAL CONSTRUCTION SCHEDULE WITH SEQUENCE OF CONSTRUCTION REQUIREMENTS ON ARCHITECTURAL PHASING PLAN.

SPECIFIC NOTES - ELECTRICAL DEMO

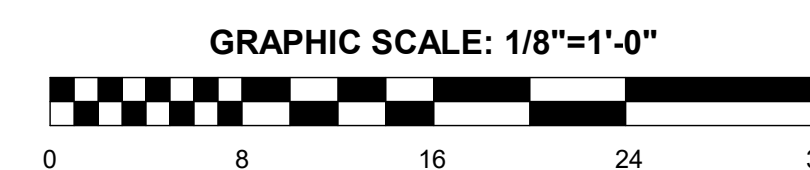
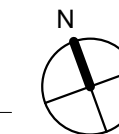
ED1	REFER TO PARTIAL ONE-LINE DIAGRAM DEMOLITION FOR DEMOLITION REQUIREMENTS.
ED2	DISCONNECT AND REMOVE LIGHT SWITCHES FOR HIGH BAY AREA.
ED3	DISCONNECT AND REMOVE EXIT SIGN. RETAIN WIRING AND CONDUIT FOR REUSE.
ED4	WITHIN THE OUTLINED AREA: DISCONNECT AND REMOVE HIGH BAY LIGHTING FIXTURES. REMOVE WIRING. RETAIN CONDUITS FOR REUSE.
ED9	DISCONNECT AND REMOVE LIGHTING FIXTURE UNDER MEZZANINE DECK AND ASSOCIATED LIGHT SWITCH. REMOVE WIRING FROM SWITCH TO LIGHTING FIXTURE. RETAIN CONDUIT FOR REUSE.



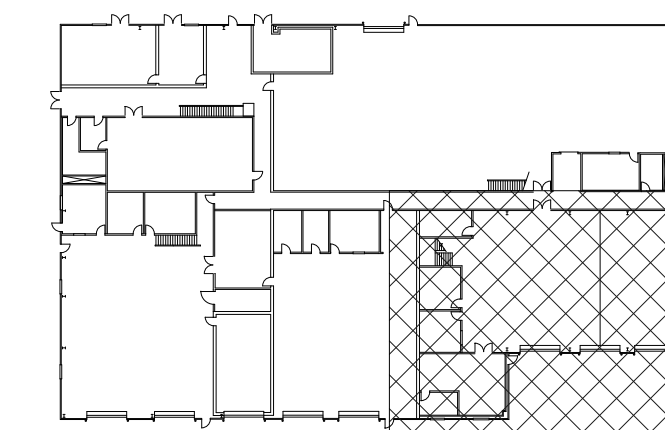
① FIRST FLOOR PLAN - ELECTRICAL - DEMOLITION
1/8" = 1'-0"



② MEZZANINE PLAN - ELECTRICAL - DEMOLITION
1/8" = 1'-0"



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KEYPLAN

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A Kleinfelder Company
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FLOOR PLANS - ELECTRICAL
- DEMOLITION

E-020

DATE : 02/16/24

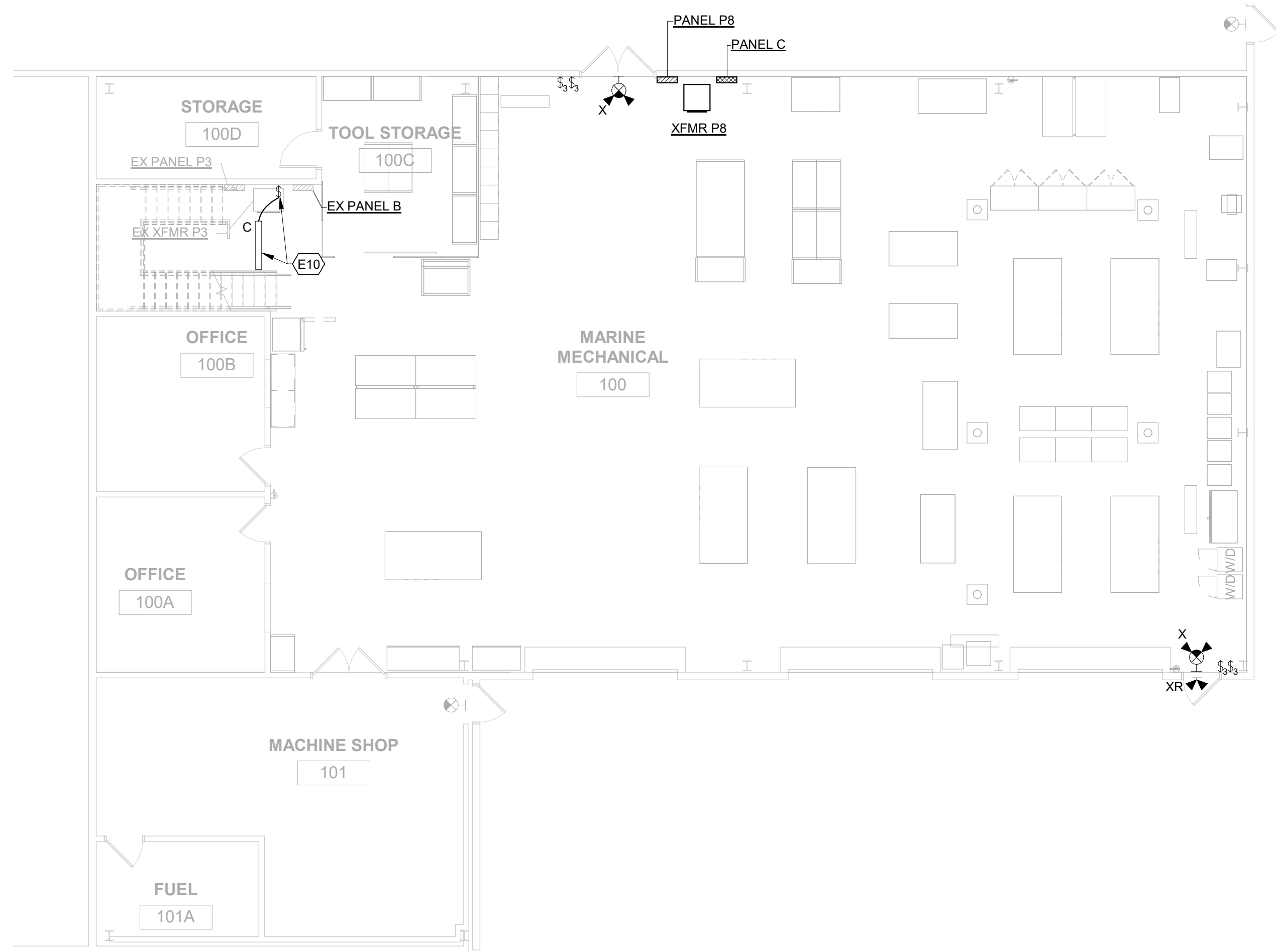
SCALE : AS NOTED

SHEET NO : 20 OF 25

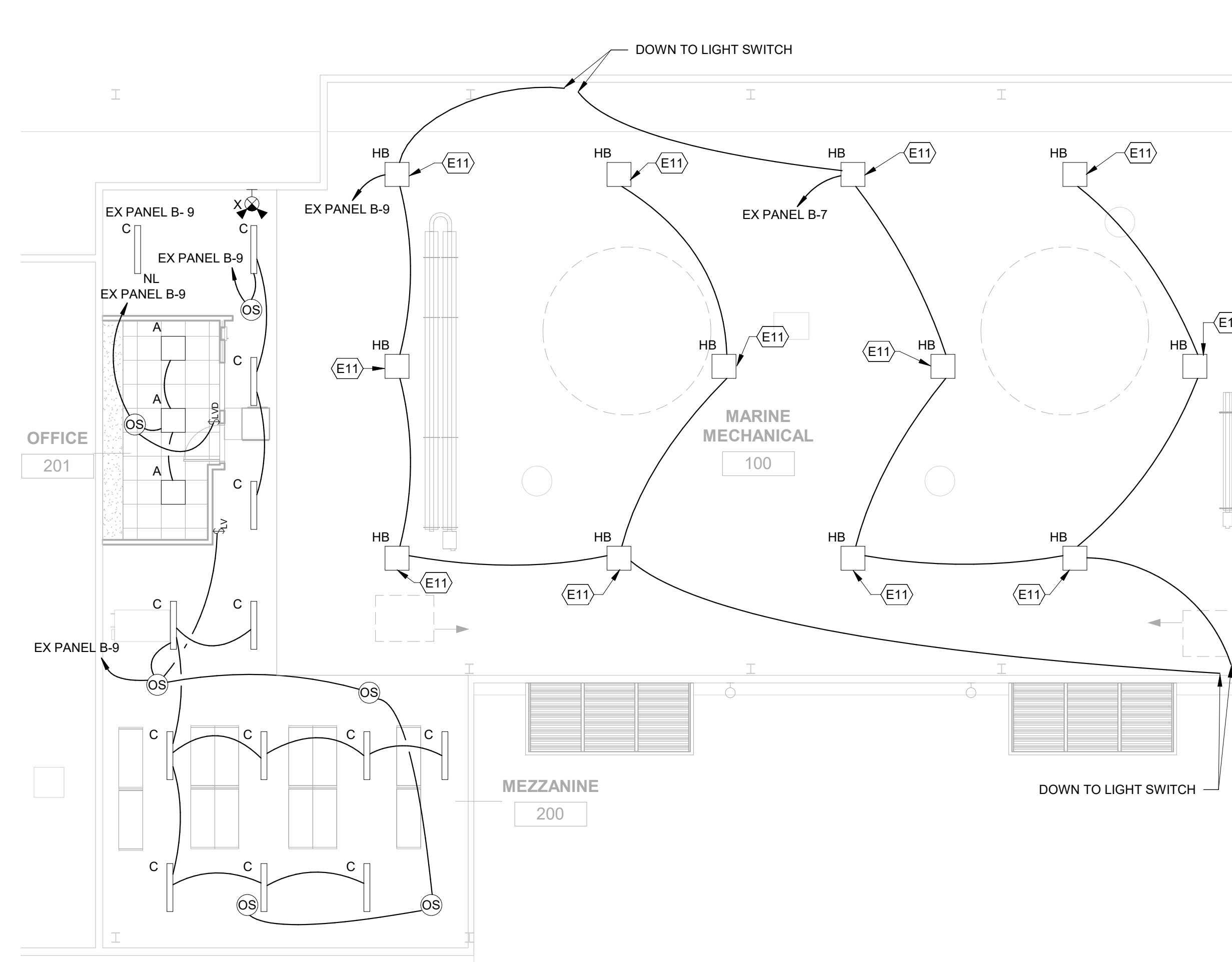
DRAWING NOTES:

1. EXIT SIGN AND EMERGENCY LIGHTING SHALL BE CONNECTED TO LIGHTING CIRCUIT SERVING AREA AHEAD OF ANY SWITCHING DEVICES.
2. REUSE AND EXTEND EXISTING LIGHTING CONDUITS AS MUCH AS POSSIBLE. REMOVE UNUSED LIGHTING CONDUITS.

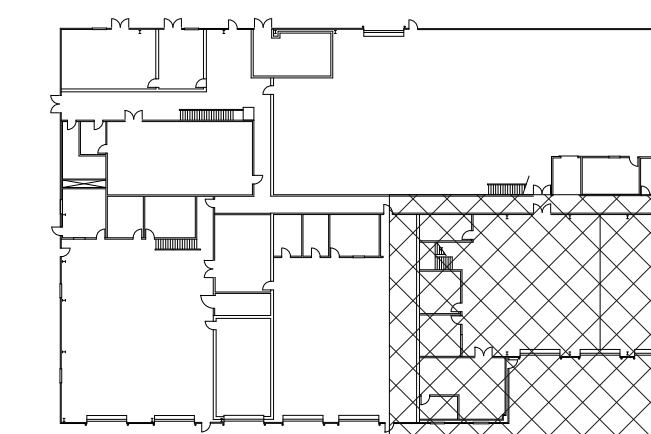
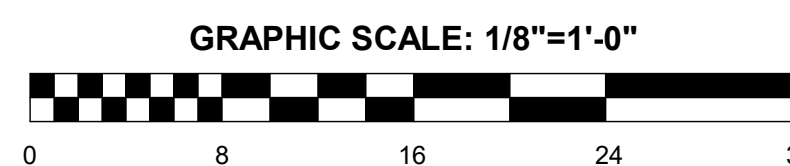
SPECIFIC NOTES - ELECTRICAL NEW	
E10	INSTALL LIGHTING FIXTURE UNDER MEZZANINE DECK. REUSE AND EXTEND EXISTING CONDUIT FROM LIGHT SWITCH TO LIGHTING FIXTURE. PROVIDE 2#12, 1#12G IN CONDUIT. CONNECT LIGHTING FIXTURE VIA SWITCH TO EXISTING CIRCUIT SERVING LIGHTING FIXTURE.
E11	INSTALL HIGH BAY LIGHTING FIXTURE ABOVE BRIDGE CRANE BUT BELOW OR EVEN WITH CEILING FANS.



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



② MEZZANINE PLAN - LIGHTING
1/8" = 1'-0"



KEYPLAN

REVISION			
NO.	DATE	DESCRIPTION	BY

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**VESSEL MAINTENANCE SHOP
RENOVATION**

FLOOR PLANS - LIGHTING **E-101**

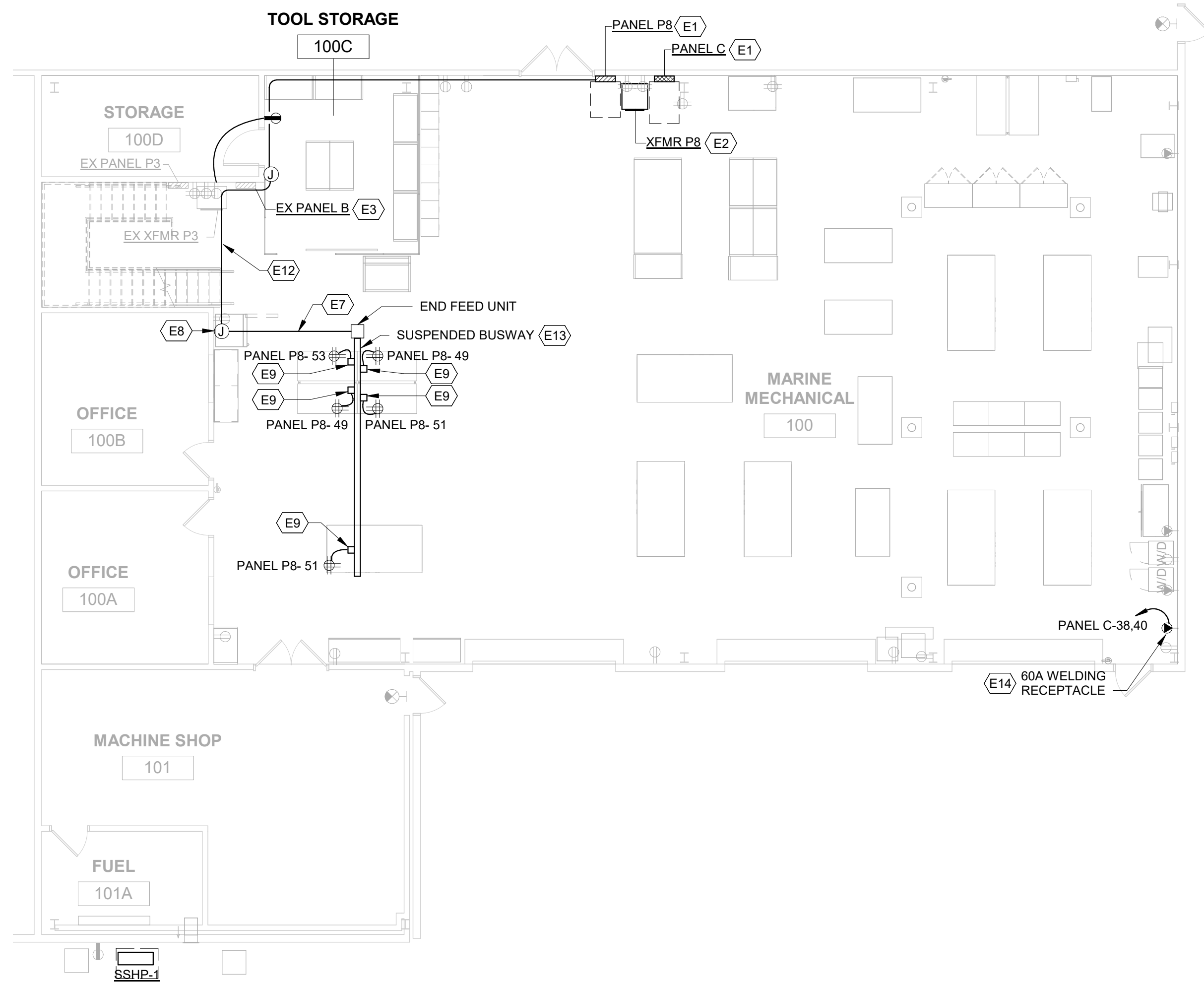
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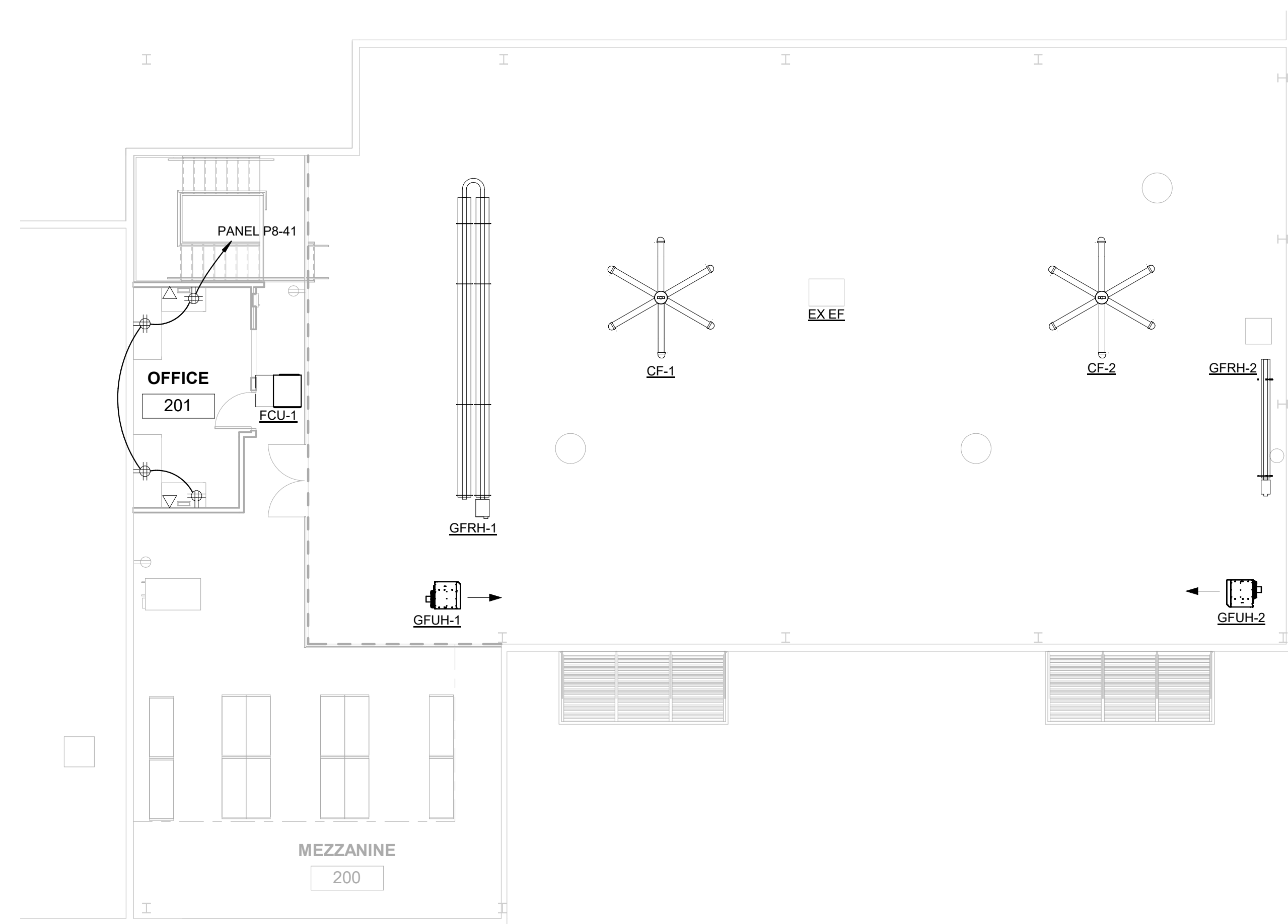
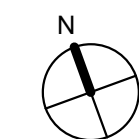
- EXISTING CONDITION IS SHOWN IN GRAYSCALE / HALF-TONE COLOR.
- MAXIMUM POWER INTERRUPTION TIME IS 24 HOURS FOR PANELBOARD AND TRANSFORMER REPLACEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER IF POWER INTERRUPTION IS EXCEEDING 24 HOURS. REPLACE ONE EQUIPMENT AT A TIME TO MINIMIZE POWER INTERRUPTION TIME.
- SCHEDULE FOR ANY ELECTRIC OUTAGES WITH OWNER TEN WORKING DAYS IN ADVANCE.
- COORDINATE ELECTRICAL CONSTRUCTION SCHEDULE WITH SEQUENCE OF CONSTRUCTION REQUIREMENTS ON ARCHITECTURAL PHASING PLAN.

SPECIFIC NOTES - ELECTRICAL NEW

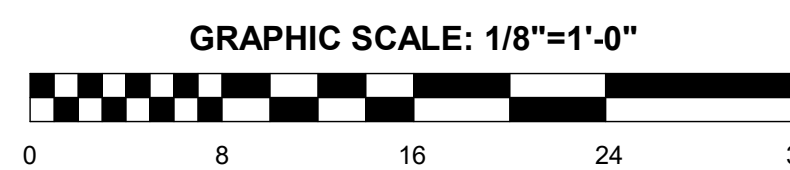
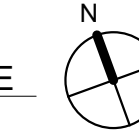
E1	REFER TO "ONE-LINE DIAGRAM" FOR PANEL REPLACEMENT REQUIREMENTS.
E2	REFER TO "ONE-LINE DIAGRAM" FOR TRANSFORMER REPLACEMENT REQUIREMENTS.
E3	EXISTING PANEL B FEEDS HIGH BAY LIGHTING IN "MARINE MECHANICAL 100" AND "MEZZANINE".
E7	PROVIDE CONTINUOUS LENGTH CONDUIT 12" AFF FROM WALL MOUNTED JUNCTION BOX TO BUSWAY END FEED UNIT. SUPPORT CONDUIT WITHIN 3' OF BOX AND END FEED UNIT.
E8	PROVIDE JUNCTION BOX MOUNTED ON WALL. PROVIDE CONDUIT ON WALL 12" AFF TO PANEL "P8" FOR BUSWAY.
E9	PLUG-IN CIRCUIT BREAKER. CONNECT CIRCUIT BREAKER TO CIRCUIT/PHASE INDICATED.
E12	SUPPORT CONDUIT FROM MEZZANINE DECK.
E13	PROVIDE 20' LONG, 100A, 208Y/120V COPPER BUSWAY, (6) 20A/1P PLUG-IN CIRCUIT BREAKERS, (6) 10' CORDS, (6) 5-20R QUAD RECEPTACLES, END FEED UNIT, END CAP, AND BUSWAY SUPPORT ACCESSORIES, (1) OF (6) SETS OF PREWIRED PLUG-IN CIRCUIT BREAKER/CORD/QUAD RECEPTACLE IS FOR SPARE. SUSPEND BUSWAY 12" AFF FROM STRUCTURAL STEEL ABOVE WITH GALVANIZED STEEL HANGER RODS AND STRUTS. PROVIDE (2) SUPPORT HANGERS MINIMUM AT 10' MAXIMUM SPACING.
E14	PROVIDE MATCHING RECEPTACLE AND PLUG WITH BACK BOX AND ACCESSORIES. 60A, 480V, 1-PHASE, 2-POLE+GROUND, 3-WIRE.



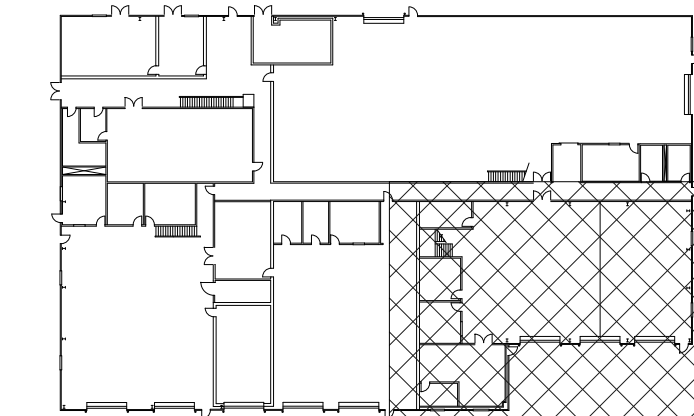
1 FIRST FLOOR PLAN - POWER
1/8" = 1'-0"



2 MEZZANINE PLAN - POWER AND LOW-VOLTAGE
1/8" = 1'-0"



REVISION			
NO.	DATE	DESCRIPTION	BY
1	02/16/2024	ISSUED FOR CONSTRUCTION	



KEYPLAN

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**DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY**

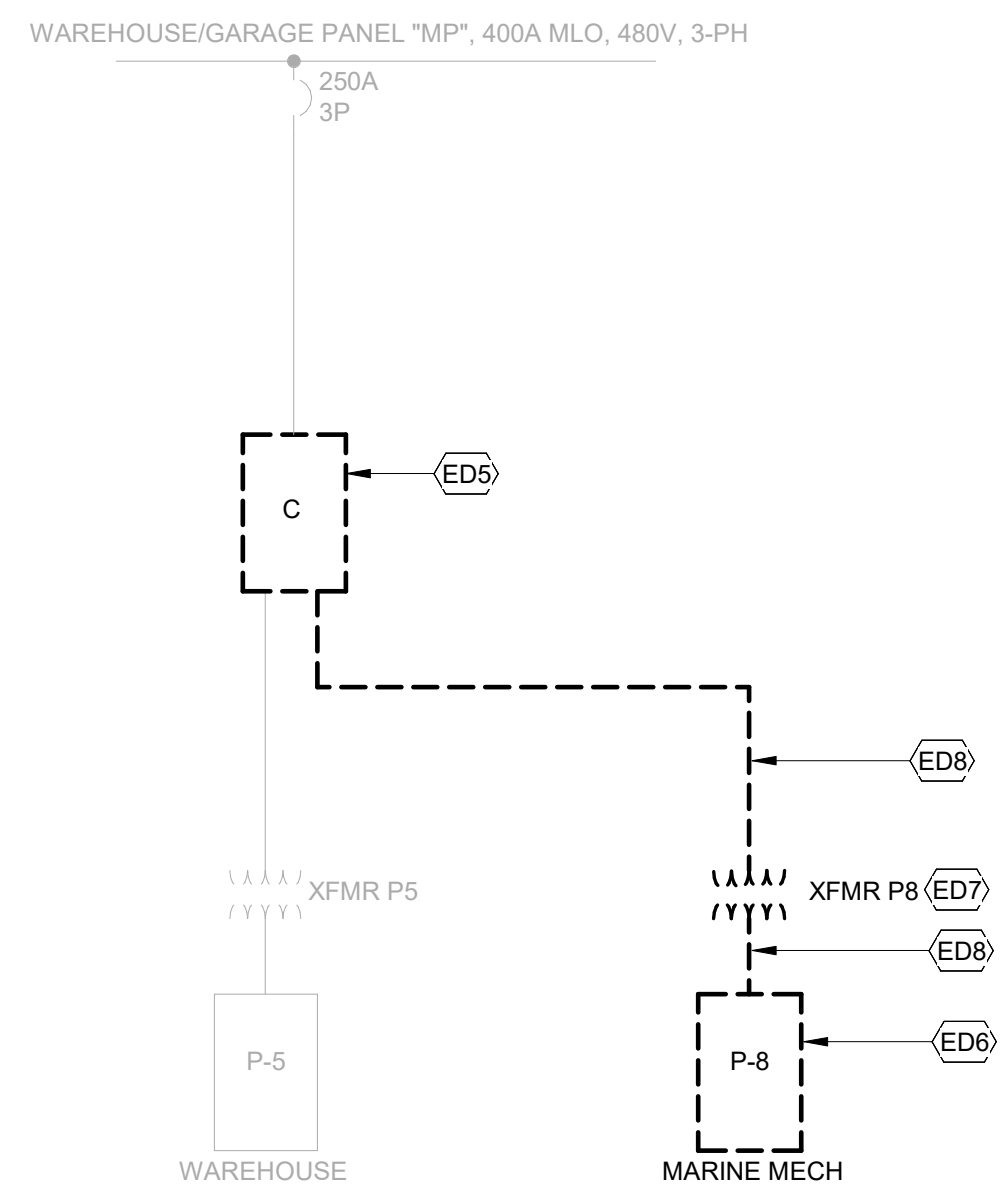
**VESSEL MAINTENANCE SHOP
RENOVATION**

**FLOOR PLANS - POWER AND
LOW-VOLTAGE** **E-201**

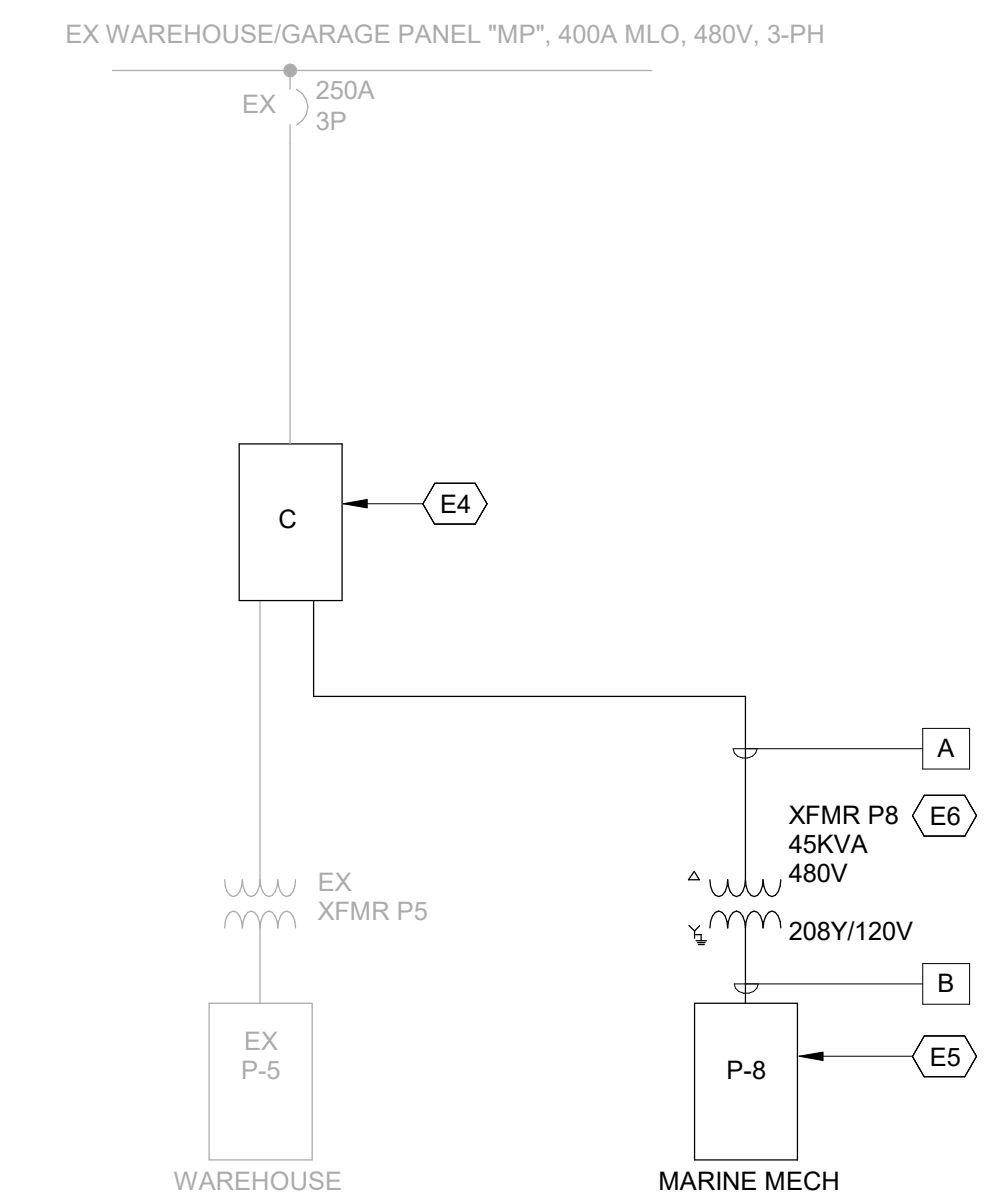
DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 22 OF 25

SPECIFIC NOTES - ELECTRICAL DEMO	
ED5	DISCONNECT PANEL. REMOVE INTERIOR OF PANEL, FRONT COVER AND DOOR TO ALLOW FOR REPLACEMENT. UNLESS NOTED OTHERWISE, WIRING AND CONDUITS SHALL REMAIN.
ED6	DISCONNECT AND REMOVE PANEL. UNLESS NOTED OTHERWISE, WIRING AND CONDUITS SHALL REMAIN.
ED7	DISCONNECT AND REMOVE TRANSFORMER.
ED8	DISCONNECT AND REMOVE WIRING AND CONDUIT.

SPECIFIC NOTES - ELECTRICAL NEW	
E4	EXISTING DIMENSION OF BACK BOX FOR PANEL C IS 20" W X 6" D X 55-1/2" H. PROVIDE INTERIOR WITH CIRCUIT BREAKERS, FRONT COVER AND DOOR. PROVIDE MOUNTING ACCESSORIES TO FIT IN EXISTING BACK BOX. CONNECT EXISTING WIRING TO NEW CIRCUIT BREAKERS. REFER TO PANEL SCHEDULE FOR CIRCUIT REQUIREMENTS.
E5	PROVIDE PANEL BOARD. CONNECT EXISTING WIRING TO NEW CIRCUIT BREAKERS. REFER TO PANEL SCHEDULE FOR CIRCUIT REQUIREMENTS.
E6	PROVIDE TRANSFORMER XFMR P8 INDICATED. REFER TO TRANSFORMER SCHEDULE FOR WIRING, CONDUITS, OVERCURRENT PROTECTION DEVICE SIZES, AND GROUNDING REQUIREMENTS. BOND TRANSFORMER GROUNDING ELECTRODE CONDUCTOR TO NEAREST METAL COLUMN.

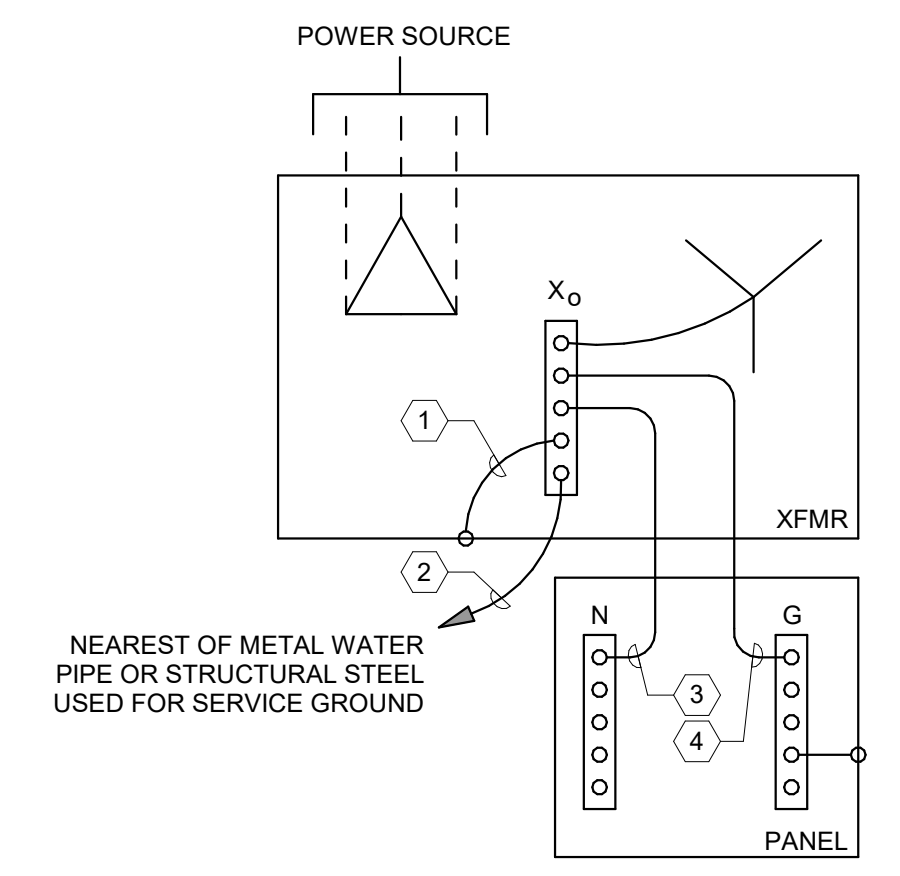


① PARTIAL ONE-LINE DIAGRAM - DEMOLITION
NO SCALE



② PARTIAL ONE-LINE DIAGRAM
NO SCALE

WIRING AND CONDUIT SCHEDULE	
ID	DESCRIPTION
A	3#3, 1#8 G, 1 1/4" C
B	4#1/0, 1#6 G, 2" C



③ TRANSFORMER AND PANEL GROUNDING DETAIL
NO SCALE

SPECIFIC NOTES

- ① SYSTEM BONDING JUMPER SIZED PER NEC TABLE 250.102(C)(1)
- ② GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC TABLE 250.66
- ③ NEUTRAL CONDUCTOR - REFER TO POWER RISER DIAGRAM OR SINGLE-LINE DIAGRAM
- ④ SUPPLY-SIDE BONDING JUMPER SIZED PER NEC TABLE 250.102(C)(1)



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VESSEL MAINTENANCE SHOP
RENOVATION

ELECTRICAL ONE-LINE
DIAGRAMS AND DETAIL

E-601

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 23 OF 25

Branch Panel: EX PANEL P8
 Location: MARINE MECHANICAL 100
 Supply From: Mounting: SURFACE Enclosure: NEMA 1
 Voits: 208Y/120 Phases: 3 Wires: 4
 A.I.C. Rating: 18K BUS OCP Type: MCB BUS Rating: 125 A MCB Rating: 100 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	Wire & Conduit Size	A	B	C	A	B	C	Wire & Conduit Size	Poles	Trip	Notes	Circuit Description	CKT
1	BLANK	--	--	1				0.0 kVA			0.0 kVA		3	100 A	--	MAIN CB	2
3	BLANK	--	--	1					0.0 kVA				--	--	--		4
5	BLANK	--	--	1									--	--	--		6
7	ELECTRICA TEST BENCH	--	30 A	3				0.0 kVA			0.0 kVA		3	20 A	--	BENCH SAW	8
9	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		10
11	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		12
13	DRYER	--	30 A	2				0.0 kVA			0.0 kVA		2	20 A	--	SPARE	14
15	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		16
17	FRIDGE WELD SHOP	--	20 A	1				0.0 kVA			0.0 kVA		1	30 A	--	INSTA-HOT SHOP	18
19	FREEZER WELD SHOP	--	20 A	1				0.0 kVA			0.0 kVA		1	20 A	--	BATTERY CHARGER (GFCl CB)	20
21	CONTROL TEST BENCH	--	20 A	1				0.0 kVA			0.0 kVA		1	20 A	--	QUAD REC AT XFMR	22
23	REC W & CTR DR M BLSTA...	--	20 A	1				0.0 kVA			0.0 kVA		1	20 A	--	SECURITY CAMERA	24
25	EC TOILET & WASH (GFCl CB)	--	20 A	1				0.0 kVA			0.0 kVA		1	20 A	--	REC WASHER (GFCl CB)	26
27	WALL LIGHT DRILL PRESS (...)	--	20 A	1				0.0 kVA			0.0 kVA		1	20 A	--	CARD READER AT...	28
29	PART WASHER HEATER	--	30 A	2				0.0 kVA			0.0 kVA		1	--	--	SPACE	30
31	--	--	--	--				0.0 kVA			--		1	--	--	SPACE	32
33	SPACE	--	--	1				--			--		1	--	--	SPACE	34
35	SPACE	--	--	1				--			--		1	--	--	SPACE	36
Total Load:						0.0 kVA		0.0 kVA		0.0 kVA							
Total Amps:						0 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: EX PANEL C
 Location: MARINE MECHANICAL 100
 Supply From: Mounting: SURFACE Enclosure: NEMA 1
 Voits: 480Y/277 Phases: 3 Wires: 4
 A.I.C. Rating: 14 K BUS OCP Type: MCB BUS Rating: 225 A MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	Wire & Conduit Size	A	B	C	A	B	C	Wire & Conduit Size	Poles	Trip	Notes	Circuit Description	CKT
1	BRIDGE CRANE	--	20 A	3				0.0 kVA			0.0 kVA		2	60 A	--	WELDER REC	2
3	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		4
5	--	--	--	--				0.0 kVA			0.0 kVA		2	60 A	--	WELDER REC	6
7	EF-6, WELDING EXHUST	--	20 A	3				0.0 kVA			0.0 kVA		3	20 A	--	BENCH SAW	8
9	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		10
11	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		12
13	TEST BENCH	--	30 A	3				0.0 kVA			0.0 kVA		3	50 A	--	UNKNOWN LOAD	14
15	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		16
17	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		18
19	SHEAR MACHINE	--	20 A	3				0.0 kVA			0.0 kVA		3	50 A	--	FEEDER TO PANEL P5	20
21	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		22
23	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		24
25	SPACE	--	--	1				--			0.0 kVA		3	30 A	--	UNKNOWN LOAD	26
27	SPACE	--	--	1				--			0.0 kVA		--	--	--		28
29	SPACE	--	--	1				--			0.0 kVA		--	--	--		30
31	XFMR P8	--	50 A	3				0.0 kVA			0.0 kVA		3	20 A	--	IRON WORKER	32
33	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		34
35	--	--	--	--				0.0 kVA			0.0 kVA		--	--	--		36
37	EXHAUST OUTLET	--	30 A	3				0.0 kVA			--		1	--	--	SPACE	38
39	--	--	--	--				0.0 kVA			--		1	--	--	SPACE	40
41	--	--	--	--				0.0 kVA			--		1	--	--	SPACE	42
Total Load:						0.0 kVA		0.0 kVA		0.0 kVA							
Total Amps:						0 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn. Current: 0 A
				Total Est. Demand Current: 0 A

Notes:

Branch Panel: PANEL P8
 Location: MARINE MECHANICAL 100
 Supply From: Mounting: SURFACE Enclosure: NEMA 1
 Voits: 208Y/120 Phases: 3 Wires: 4
 A.I.C. Rating: 10 K BUS OCP Type: MCB BUS Rating: 225 A MCB Rating: 150 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	Wire & Conduit Size	A	B	C	A	B	C	Wire & Conduit Size	Poles	Trip	Notes	Circuit Description	CKT
1	ELECTRICAL TEST BENCH	1	30 A	3	EXISTING	0.8 kVA			0.5 kVA			EXISTING	3	20 A	1	BENCH SAW	2
3	--	--	--	--	--		0.8 kVA				0.5 kVA	--	--	--	--	--	4
5	--	--	--	--	--			0.8 kVA			0.5 kVA	--	--	--	--	--	6
7	DRYER	1	30 A	2	EXISTING	1.0 kVA			0.0 kVA			--	2	20 A	--	SPARE	8
9	--	--	--	--	--			1.0 kVA			0.0 kVA		--	--	--		10
11	FRIDGE WELD SHOP	1	20 A	1	--			0.8 kVA			0.0 kVA		1	30 A	1	INSTA - HOT SHOP	12
13	FREEZER WELD SHOP	1	20 A	1	--			0.8 kVA			1.5 kVA		1	20 A	1	BATTERY CHARGER (GFCl...	14
15	CONTROL TEST BENCH	1	20 A	1	--			0.0 kVA			0.7 kVA		1	20 A	1	QUAD REC AT XFMR (GFCl...	16
17	REC W & CTR DR M BLSTA...	1	20 A	1	--			0.8 kVA			0.3 kVA		1	20 A	1	SECURITY CAMERA	18
19	EC TOILET & WASH (GFCl CB)	1	20 A	1	--			0.8 kVA			0.0 kVA		1	20 A	1	REC WASHER (GFCl CB)	20
21	WALL LIGHT DRILL PRESS (...)	1	20 A	1	--			0.5 kVA			0.1 kVA		1	20 A	1	CARD READER AT...	22
23	PART WASHER HEATER	1	30 A	2	--			0.8 kVA			0.2 kVA		1	15 A	2	GFUH-1, GFUH-2	24
25	--	--	--	--	--			0.0 kVA			0.2 kVA		1	15 A	2	GFRH-1, GFRH-2	26
27	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		2	15 A	2	CF-1	28
29	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		--	--	--		30
31	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		2	15 A	2	CF-2	32
33	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		--	--	--		34
35	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		1	20 A	--	SPACE	36
37	SSH-P-1/FCU-1	2	15 A	2	2#12, 1#12 G, 3/4" C	0.0 kVA			0.0 kVA			2#12, 1#12 G, 3/4" C	1	20 A	--	SPACE	38
39	--	--	--	--	--			0.0 kVA			0.0 kVA		1	20 A	--	SPACE	40
41	REC: OFFICE MEZZANINE	2	20 A	1	2#12, 1#12 G, 3/4" C	0.0 kVA			1.4 kVA			0.0 kVA	1	20 A	--	SPACE	42
43	SPACE	--	20 A	1	--			0.0 kVA			0.0 kVA		1	20 A	--	SPACE	44
45	SPACE	--	--	1	--			--			--		1	--	--	SPACE	46
47	SPACE	--	--	1	--			--			--		1	--	--	SPACE	48
49	BUSWAY WORKBENCH REC	--	60 A	3	4#4, 1#8G, 1-1/2" C	0.8 kVA			--		--		1	--	--	SPACE	50
51	--	--	--	--	--			0.8 kVA			--		1	--	--	SPACE	52
53	--	--	--	--	--				0.4 kVA		--		1	--	--	SPACE	54
Total Load:						6.3 kVA		4.4 kVA		5.9 kVA							
Total Amps:						54 A		36 A		51 A							

Load Classification	Connected Load	Demand Factor	Demand	Panel Totals
HVAC	0 VA	0.00%	0 VA	Total Conn. Load: 27050 VA Total Est. Demand: 27050 VA Total Conn. Current: 75 A Total Est. Demand Current: 75 A
Motor	0 VA	100.00%	0 VA	
Other	210 VA	100.00%	210 VA	
Receptacle	1440 VA	100.00%	1440 VA	
Miscellaneous	25180 VA	100.00%	25180 VA	
Power	220 VA	100.00%	220 VA	

Notes:
 1. CONNECT EXISTING WIRING AND CONDUIT TO CIRCUIT BREAKER
 2. NEW LOAD.

Branch Panel: PANEL C
 Location: MARINE MECHANICAL 100
 Supply From: Mounting: SURFACE Enclosure: NEMA 1
 Voits: 480Y/277 Phases: 3 Wires: 4
 A.I.C. Rating: 35 K BUS OCP Type: MCB BUS Rating: 250 A MCB Rating: 225 A

Notes:

CKT	Circuit Description	Notes	Trip	Poles	Wire & Conduit Size	A	B	C	A	B	C	Wire & Conduit Size	Poles	Trip	Notes	Circuit Description	CKT
1	BRIDGE CRANE	1	20 A	3	EXISTING	1.0 kVA			5.0 kVA			EXISTING	2	60 A	1	WELDER REC	2
3	--	--	--	--	--		1.0 kVA				5.0 kVA	--	--	--	--	--	4
5	--	--	--	--	--			1.0 kVA			5.0 kVA	--	2	60 A	1	WELDER REC	6
7	EF -6, WELDING EXHAUST	1	20 A	3	"	1.0 kVA			5.0 kVA			--	2	20 A	1	PLASMA MACHINE SP	8
9	--	--	--	--	--			1.0 kVA			2.5 kVA		--	--	--		10
11	--	--	--	--	--			1.0 kVA			2.5 kVA		--	--	--		12
13	TEST BENCH	1	30 A	3	"	1.2 kVA			5.0 kVA			--	3	50 A	1	UNKNOWN LOAD	14
15	--	--	--	--	--			1.2 kVA			5.0 kVA		--	--	--		16
17	--	--	--	--	--			1.2 kVA			5.0 kVA		--	--	--		18
19	SHEAR MACHINE	1	20 A	3	"	1.0 kVA			10.0...			--	3	50 A	1	FEEDER TO PANEL P5 XFMR	20
21	--	--	--	--	--			1.0 kVA			10.0...		--	--	--		22
23	--	--	--	--	--			1.0 kVA			10.0...		--	--	--		24
25	SPACE	--	--	1	--			--			10.0...		3	30 A	1	UNKNOWN LOAD	26
27	SPACE	--	--	1	--			--			1.0 kVA		--	--	--		28
29	SPACE	--	--	1	--			--			1.0 kVA		--	--	--		30
31	XFMR P8	3	80 A	3	REFER TO ONE-LINE DIAGRAM	15.0...			1.0 kVA			--	3	20 A	1	IRON WORKER	32
33	--	--	--	--	--			15.0...			1.0 kVA		--	--	--		34
35	--	--	--	--	--			15.0...			1.0 kVA		--	--	--		36
37	EXHAUST OUTLET	1	30 A	3	"	1.0 kVA			5.0 kVA			2#4, 1#6 G, 1" C	2	60 A	2	WELDER REC	38
39	--	--	--	--	--			1.0 kVA			5.0 kVA		--	--	--		40
41	--	--	--	--	--			1.0 kVA			5.0 kVA		1	--	--	SPACE	42
Total Load:						52.2 kVA		49.									

Branch Panel: EX PANEL B

Location: MARINE MECHANICAL 100
 Supply From:
 Mounting:
 Enclosure:

Volts: 208Y/120
 Phases: 3
 Wires: 4

A.I.C. Rating:
 BUS OCP Type: MCB
 BUS Rating: 225 A
 MCB Rating: 225

Notes:

CKT	Circuit Description	Notes	Trip	Poles	Wire & Conduit Size	A	B	C	A	B	C	Wire & Conduit Size	Poles	Trip	Notes	Circuit Description	CKT
1	WHSE LIGHTS		20 A	1		0.0 kVA			0.0 kVA				3	20 A		MARINE DECK REC	2
3	WHSE LIGHTS		20 A	1		0.0 kVA			0.0 kVA				--	--	--		4
5	CORRIDOR LIGHTS		20 A	1				0.0 kVA			0.0 kVA		--	--	--		6
7	HIGH BAY LTG MARINE MECH	1	20 A	1	2#12, 1#12 G, 3/4" C	0.8 kVA			0.0 kVA				1	20 A		SPARE	8
9	HIGH BAY LTG MARINE, MEZZ.	1	20 A	1	2#12, 1#12 G, 3/4" C		1.1 kVA				0.0 kVA		1	20 A		SPARE	10
11	OFFICE/SHOP LIGHTS		20 A	1				0.0 kVA			0.0 kVA		1	20 A		SPARE	12
13	MACHINE SHOP LIGHTS		20 A	1		0.0 kVA			0.0 kVA				3	20 A		MONORAIL HOIST	14
15	MARINE DECK LIGHTS		20 A	1		0.0 kVA			0.0 kVA				--	--	--		16
17	RR LIGHTS		20 A	1				0.0 kVA			0.0 kVA		--	--	--		18
19	BLDG FLOOD LIGHTS		20 A	1		0.0 kVA			0.0 kVA				3	20 A		RADIAL DRILL PRESS	20
21	MARINE DECK REC		20 A	2				0.0 kVA			0.0 kVA		--	--	--		22
23	--	--	--	--	--			0.0 kVA			0.0 kVA		--	--	--		24
25	HON 12		20 A	1		0.0 kVA			0.0 kVA				3	20 A		MILLING MACHINE	26
27	BAVO		20 A	1				0.0 kVA			0.0 kVA		--	--	--		28
29	SAN		20 A	1				0.0 kVA			0.0 kVA		--	--	--		30
31	SPACE	--	--	1		--			0.0 kVA				3	20 A		ELECTRONIC SHOP	32
33	SPACE	--	--	1			--				0.0 kVA		--	--	--		34
35	SPACE	--	--	1			--				0.0 kVA		--	--	--		36
37	SPACE	--	--	1			--			0.0 kVA			3	70 A		FEEDER TO PNL P3	38
39	SPACE	--	--	1			--				0.0 kVA		--	--	--		40
41	SPACE	--	--	1			--				0.0 kVA		--	--	--		42
Total Load:						0.8 kVA		1.1 kVA			0.0 kVA						
Total Amps:						8 A		10 A			0 A						

Load Classification	Connected Load	Demand Factor	Demand	Panel Totals
Lighting - General	1923 VA	125.00%	2404 VA	
				Total Conn. Load: 1923 VA
				Total Est. Demand: 2404 VA
				Total Conn. Current: 5 A
				Total Est. Demand Current: 7 A

Notes:
 1. REUSE EXISTING CIRCUIT BREAKER FOR LIGHTING. PROVIDE WIRING AND EXTEND CONDUIT TO ALLOW FOR CONNECTIONS TO NEW LIGHTING FIXTURE LOCATIONS.

E - LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTS	LAMP TYPE	WATTS	LUMENS	COLOR TEMP. (K)	CRI	MOUNTING	MANUFACTURER	MODEL SERIES	REMARKS
A	2' X2' LED CENTER RECTANGULAR BASKET, 0-10 V DIMMING, WHITE FINISH, 120-277 V	277 V	LED	27 VA	2950 lm	3500 K	80	RECESSED	PHILIPS DAY-BRITE	FLUXGRID 2FG-CFI	
C	4' LED STRIP, HIGH EFFICIENCY, FLAT DIFFUSE LES, WHITE FINISH, 0-10 V DIMMING, 120-277 V	277 V	LED	19 VA	3000 lm	3500 K	80	SUSPENDED / PENDANT	LITHONA LIGHTING	CLX	8' AFF ON MEZZANINE, 10' AFF AT STAIR LANDING
HB	2' LED HIGH BAY, HIGH EFFICIENCY, ACRYLIC CLEAR LENS, WHITE FINISH, 0-10 V DIMMING, 120-277 V	277 V	LED	135 VA	24000 lm	4000 K	70	SUSPENDED / PENDANT	LITHONA LIGHTING	IBG 24000LM	20'+ AFF AND ABOVE BRIDGE CRANE BUT BELOW OF EVEN WITH CEILING FAN
X	COMBINATION LED EXIT / EMERGENCY LIGHT, TWO 12V-6W LED HEADS, CLEAR POLYCARBONATE LENS, RED LETTERING, UNIVERSAL FACE, UNIVERSAL MOUNT, HEAVY-DUTY ALUMINUM HOUSING, BLACK FINISH, 12V-24V BATTERY FOR REMOTE HEADS, ADVANCED DIAGNOSTICS, 120/277V	277 V	LED	24 VA	0 lm	0 K		WALL SURFACE	EMERGI-LITE	SURVIVE ALL SVX	
XR	DUAL 12V-4W REMOTE LED HEADS, CLEAR POLYCARBONATE LENS, WEATHER-POOF, DIE-CAST ALUMINUM HOUSING, BLACK FINISH, ADVANCED DIAGNOSTICS, WET LOCATION LISTED	12 V	LED	8 VA	0 lm	0 K		WALL SURFACE	EMERGI-LITE	SURVIVE ALL EF39	

E - TRANSFORMER SCHEDULE

ID	SIZE (KVA)	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	PRIMARY BREAKER	PRIMARY WIRE	SECONDARY BREAKER	SECONDARY WIRE	GEC
XFMR P8	45	480Δ	208Y/120	3	80A(148%)	3#3, 1#8 G, 1 1/4" C	150A	4#1/0, 1#6 G, 2" C	#6

NOTES: LIMIT SECONDARY CIRCUIT LENGTH TO 10 FEET MAXIMUM. COPPER WINDINGS. FLOOR MOUNTING.

E - MECHANICAL EQUIPMENT CONNECTION SCHEDULE

ID TAG	VOLTS	PH	MCA	MOCF	SS POLES	SS RATED AMPS	FUSE AMPS	FUSE TYPE	MOTOR STARTER/SIZE	PANEL	CIRCUIT	REMARKS
CF-1	208 V	1	10 A	15 A	2	SEE REMARK				PANEL P8	28.30	CONNECT VIA FAN CONTROLLER. COORDINATE CONTROLLER LOCATION WITH HVAC CONTRACTOR.
CF-2	208 V	1	10 A	15 A	2	SEE REMARK				PANEL P8	32.34	CONNECT VIA FAN CONTROLLER. COORDINATE CONTROLLER LOCATION WITH HVAC CONTRACTOR.
FCU-1	208 V	1	0 A	0 A	2	SEE REMARK				PANEL P8	37.39	PROVIDE MOTOR RATED SWITCH
GFRH-1	120 V	1	1 A	15 A	1	SEE REMARK				PANEL P8	26	PROVIDE MOTOR RATED SWITCH
GFRH-2	120 V	1	1 A	15 A	1	SEE REMARK				PANEL P8	26	PROVIDE MOTOR RATED SWITCH
GFUH-1	120 V	1	4 A	15 A	1	SEE REMARK				PANEL P8	24	PROVIDE MOTOR RATED SWITCH
GFUH-2	120 V	1	4 A	15 A	1	SEE REMARK				PANEL P8	24	PROVIDE MOTOR RATED SWITCH
SSHP-1	208 V	1	9 A	15 A	2	30	NF			PANEL P8	37.39	PROVIDE MOTOR RATED SWITCH



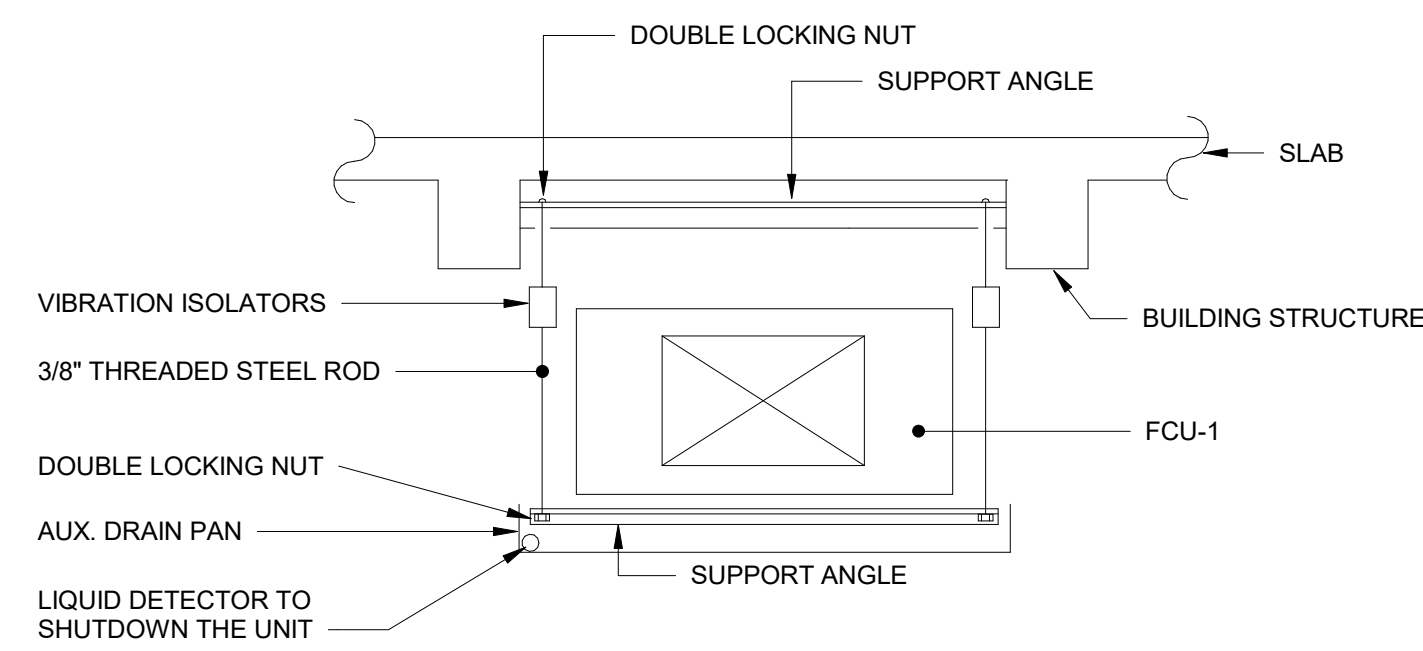
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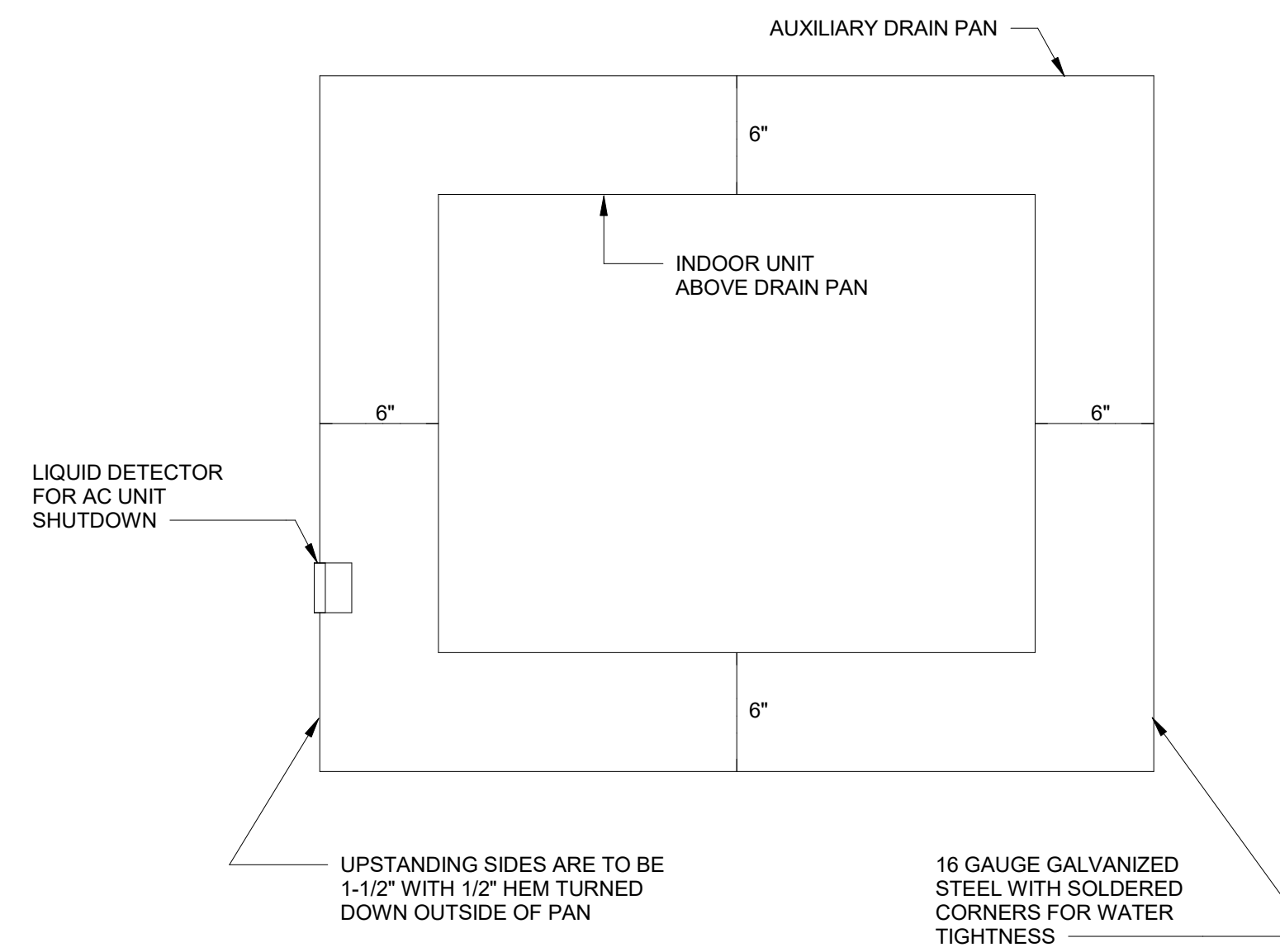
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ELECTRICAL SCHEDULES **E-702**

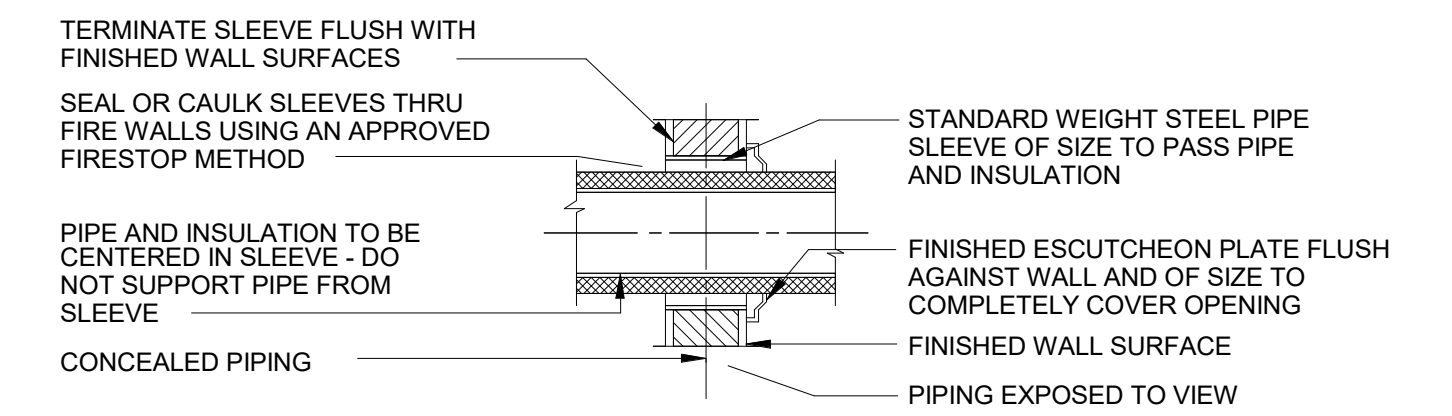
DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 25 OF 25



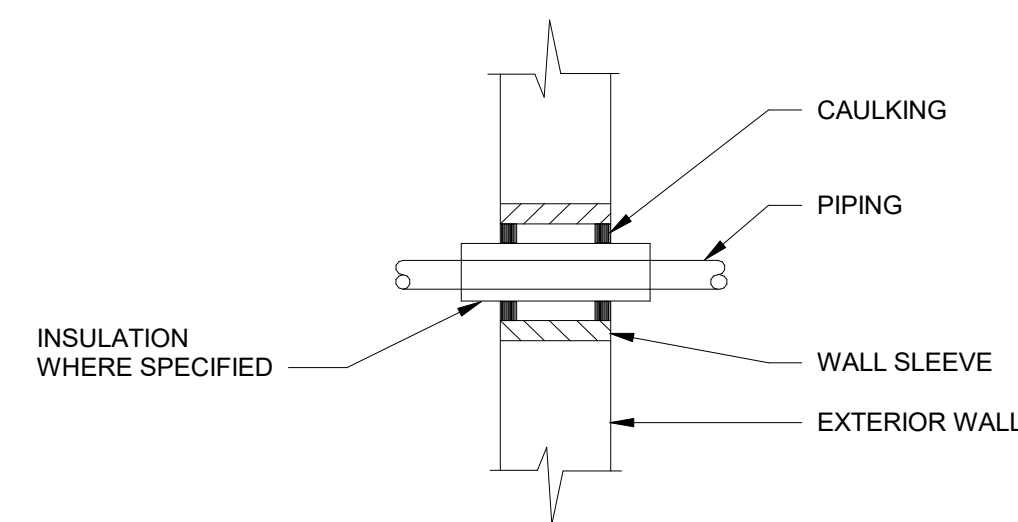
1 TYPICAL AIR HANDLER SUPPORT
NO SCALE



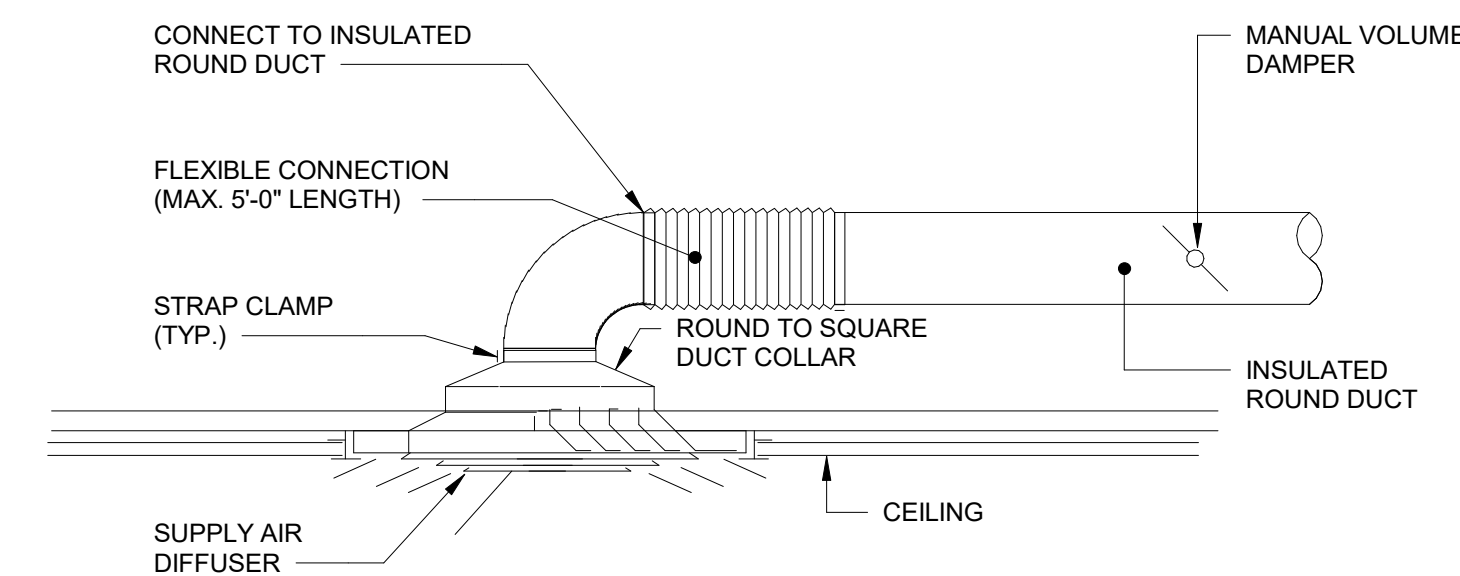
2 SECONDARY DRAIN PAN
NO SCALE



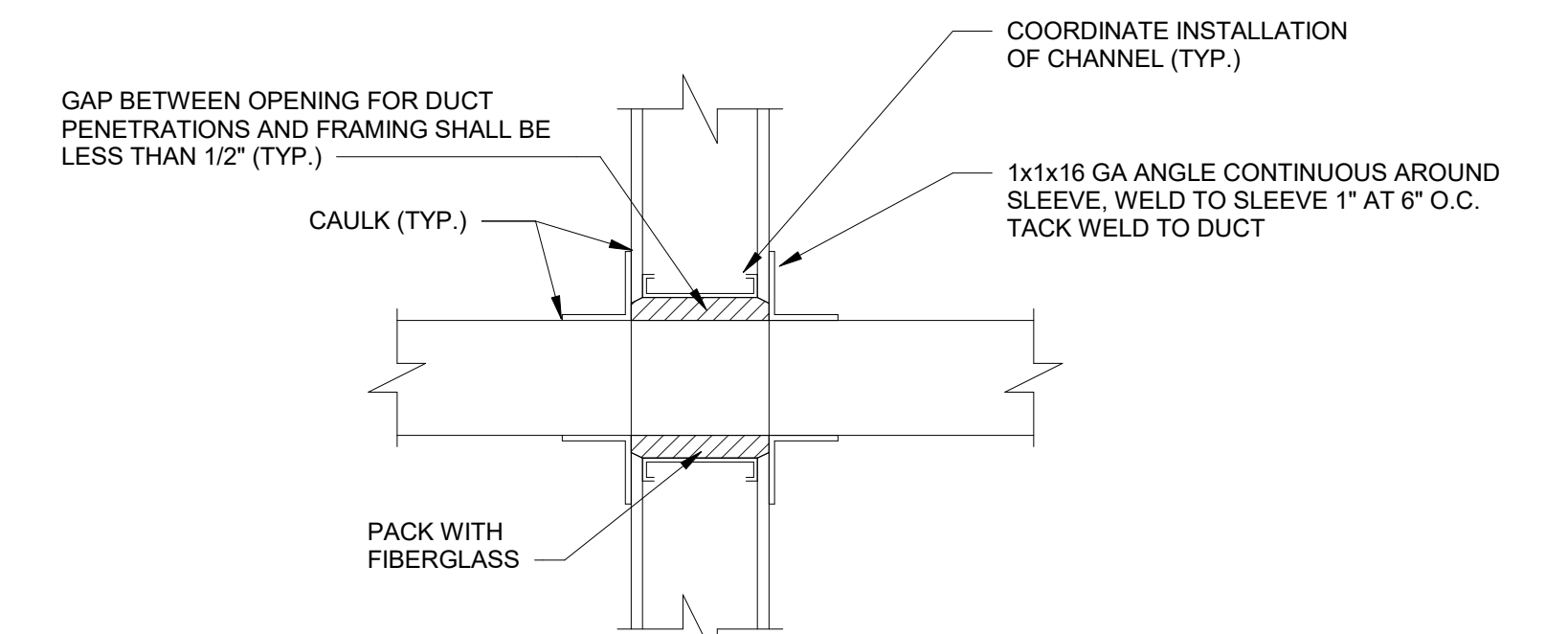
3 TYPICAL SLEEVE THROUGH INTERIOR WALL
NO SCALE



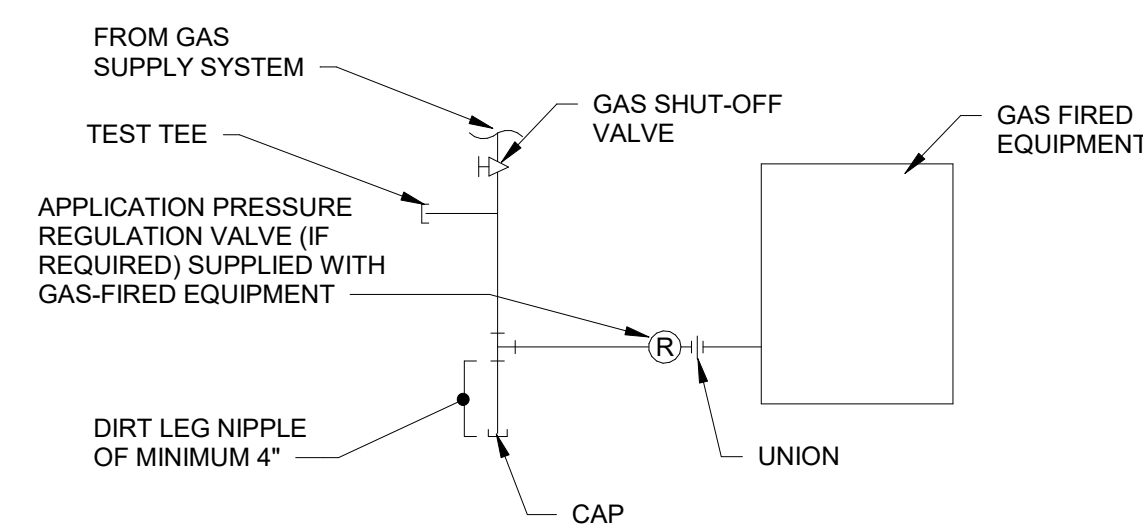
4 PIPE SLEEVE
NO SCALE



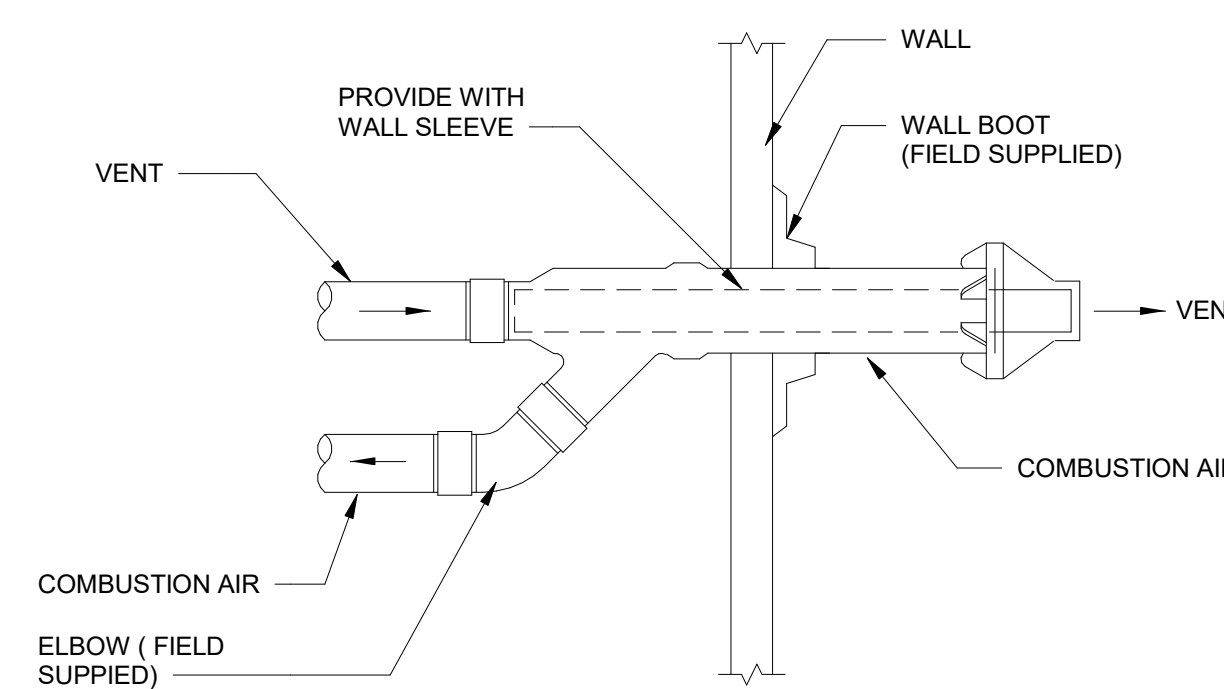
5 TYPICAL DIFFUSER CONNECTION
NO SCALE



6 TRANSFER DUCT DETAIL - WALL PENETRATION
NO SCALE



7 TYPICAL GAS CONNECTION DETAIL
NO SCALE



8 CONCENTRIC VENT DETAIL
NO SCALE



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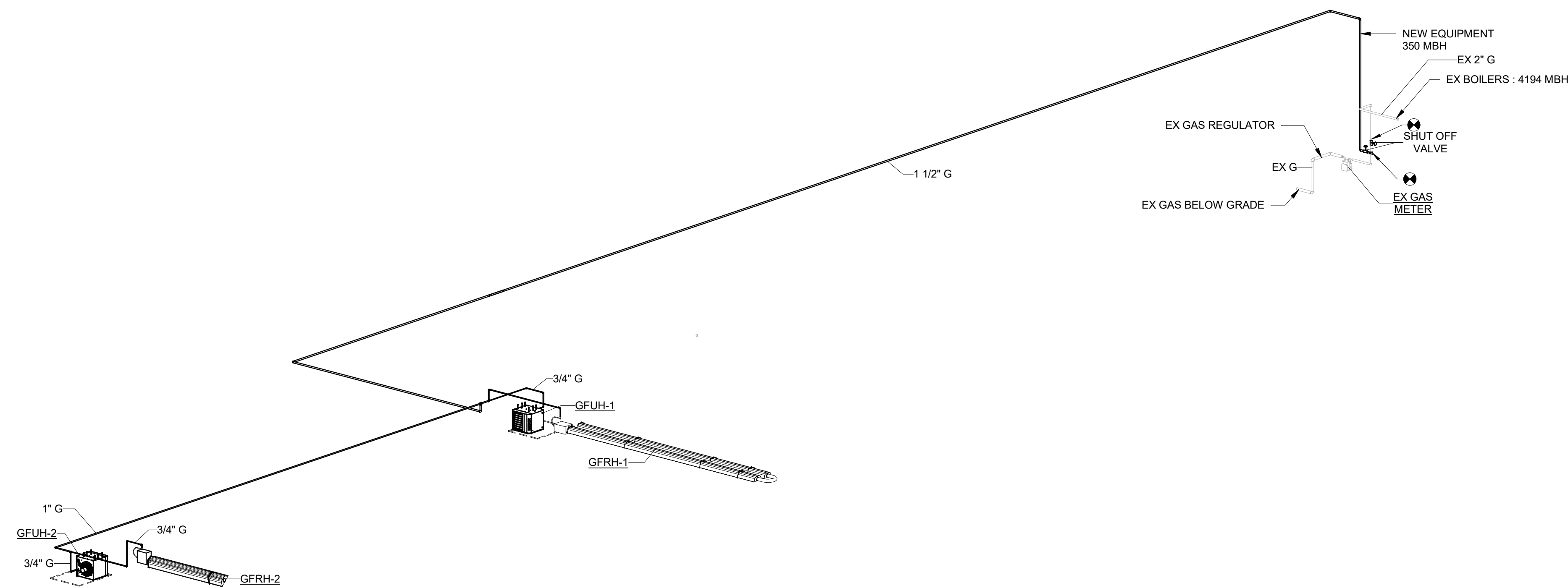
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MECHANICAL DETAILS M-501

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 16 OF 25



GAS PIPING DESIGN NOTES:

1. EX GAS METER AND 2.0 PSI SERVICE TO BUILDING BY UTILITY COMPANY.
2. TOTAL CONNECTED GAS LOAD IS 4544 MBH
3. PIPING IS SIZED USING TABLE 402.4(5) OF THE 2021 INTERNATIONAL FUEL GAS CODE AT AN EQUIVALENT LENGTH OF 270 FEET.

1 OVERALL GAS ISOMETRIC DIAGRAM

GENERAL BMS NOTES:

1. MECHANICAL SYSTEM CONTROLS AND SEQUENCES ARE TO BE COORDINATED AND INTEGRATED WITH THE EXISTING JCI METASYS BUILDING MANAGEMENT SYSTEM.
2. OCCUPIED/UNOCCUPIED CONTROL SHALL BE DETERMINED BY THE BMS. JCI METASYS BUILDING MANAGEMENT SYSTEM. EACH PIECE OF EQUIPMENT SHALL HAVE AN INDEPENDENT OCCUPIED/UNOCCUPIED MODE SCHEDULE.
3. BMS SHALL INCLUDE SCHEMATICS OF THE EQUIPMENT AND FLOOR PLANS OF THE BUILDING. THE SCHEMATICS AND PLANS SHALL INDICATE SYSTEM SETPOINTS AND MONITORING POINTS, WITH THE ABILITY TO ADJUST THE SETPOINTS DIRECTLY THROUGH THE WEB BASED INTERFACE.
4. WIRING ABOVE CEILING CONCEALED IN OPEN AREAS SHALL BE PLENUM RATED. WIRING IN MECHANICAL SPACES SHALL BE RUN IN EMT. WIRING RUN OUTSIDE OF THE BUILDING ENVELOPE SHALL BE RUN IN RIGID CONDUIT.
5. PROVIDE FULL INTEGRATION FOR EACH PIECE OF EQUIPMENT WITH THE BMS. THE INDICATED CONTROL SEQUENCES ARE NOT BASED ON SIMPLY USING FACTORY FURNISHED UNITARY CONTROLS. ADDITIONAL PROGRAMMING AND SOFTWARE/HARDWARE, AS REQUIRED TO IMPLEMENT THE INDICATED SEQUENCES SHALL BE PROVIDED THROUGH THE BMS.

BMS ALARM CONDITIONS -

1. EXISTING ALARM CONDITIONS TO REMAIN.

FAN COIL UNIT (DUCTED SPLIT SYSTEM HEAT PUMP) WITH OUTSIDE AIR CONTROL - (FCU-1/SSHP-1)

1. OCCUPIED/UNOCCUPIED MODES SHALL BE AS DESCRIBED IN THE GENERAL SECTION SHALL BE CONTROLLED BY BMS.
2. WHEN IN UNOCCUPIED MODE, THE UNIT'S SUPPLY FAN AND HEATING/COOLING SYSTEMS SHALL CYCLE AS REQUIRED TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE SET POINT (ADJUSTABLE). THE OUTSIDE AIR MOTOR OPERATED DAMPER IS TO BE CLOSED.
3. WHEN IN OCCUPIED MODE, THE UNIT'S MOTOR OPERATED INTAKE DAMPER SHALL BE OPEN AND THE FAN ENERGIZED.
4. WHEN IN MORNING WARM UP/COOL DOWN MODE, THE UNIT'S SUPPLY FAN AND HEATING OR COOLING CYCLE SHALL BE ENERGIZED. THE OUTSIDE AIR DAMPER IS TO BE CLOSED. CHANGE OVER TO OCCUPIED MODE SHALL BE CONTROLLED VIA THE BMS SCHEDULE.
5. WHEN IN OCCUPIED MODE, ON A RISE IN SPACE TEMPERATURE, AS SENSED BY A SPACE THERMOSTAT, ABOVE THE OCCUPIED MODE SET POINT (ADJUSTABLE) INITIALLY SET AT 75°F, THE UNIT'S COOLING CYCLE SHALL BE ENERGIZED.
6. WHEN IN OCCUPIED MODE, ON A DROP IN SPACE TEMPERATURE, AS SENSED BY A SPACE THERMOSTAT, BELOW THE OCCUPIED MODE SET POINT (ADJUSTABLE) INITIALLY SET AT 70°F, THE UNIT'S HEAT PUMP HEATING CYCLE SHALL BE ENERGIZED.
7. UPON SENSING IMPROPER CONDITIONS AN ALARM IS TO BE GENERATED AND THE SYSTEM SHALL BE DE-ENERGIZED.

EXISTING HYDRONIC UNIT HEATER CONTROLS

1. EXISTING HYDRONIC HEATING SYSTEMS ARE TO OPERATE ACCORDING TO THEIR EXISTING CONTROLS.

GAS-FIRED UNIT HEATER CONTROLS

1. UPON A DROP IN SPACE TEMPERATURE AS SENSED BY A WALL MOUNTED SPACE THERMOSTAT BELOW THE SETPOINT TEMPERATURE INITIALLY SET AT 68°F (ADJUSTABLE), THE UNIT SHALL BE ENERGIZED AND RUN UNTIL SPACE TEMPERATURE SETPOINT (ADJUSTABLE) IS SATISFIED.
2. UPON A RISE IN SPACE TEMPERATURE AS SENSED BY A WALL MOUNTED SPACE THERMOSTAT ABOVE THE SETPOINT TEMPERATURE INITIALLY SET AT 68°F (ADJUSTABLE), THE UNIT SHALL BE DE-ENERGIZED.

GAS-FIRED RADIANT HEATER CONTROLS

1. UPON A DROP IN SPACE TEMPERATURE AS SENSED BY A SPACE THERMOSTAT BELOW A SETPOINT TEMPERATURE INITIALLY SET AT 60°F (ADJUSTABLE), THE HEATER SHALL BE ENERGIZED.
3. UPON A RISE IN SPACE TEMPERATURE AS SENSED BY A WALL MOUNTED THERMOSTAT, ABOVE A SETPOINT TEMPERATURE INITIALLY SET AT 60°F (ADJUSTABLE), THE UNIT SHALL BE DE-ENERGIZED

HIGH VOLUME, LOW SPEED (HVLS) FAN CONTROLS (CF-1 & CF-2)

1. HVLS FANS SHALL BE PROVIDED WITH LOCAL CONTROL PANEL WITH HI/LOW SPEED CONTROL (ADJUSTABLE).

EXISTING EXHAUST FAN CONTROL

1. OCCUPIED/UNOCCUPIED MODES SHALL BE AS DESCRIBED IN THE GENERAL SECTION SHALL BE CONTROLLED BY BMS.
2. WHEN IN UNOCCUPIED MODE, THE UNIT'S SUPPLY FAN AND HEATING/COOLING SYSTEMS SHALL CYCLE AS REQUIRED TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE SET POINT (ADJUSTABLE). THE OUTSIDE AIR MOTOR OPERATED DAMPER IS TO BE CLOSED.
3. THE EXHAUST FAN ON ROOF SHALL BE INTERLOCKED WITH A MOTOR OPERATED OUTSIDE AIR INTAKE DAMPER, A LOCAL WALL SWITCH, AND WITH THE BMS.
4. THE MOTOR OPERATED DAMPER SHALL OPEN AND EXHAUST FAN SHALL ENERGIZE WHEN THE FAN IS SWITCHED ON. THE EXHAUST FAN SHALL DE-ENERGIZE AND THE MOTOR OPERATED DAMPER SHALL CLOSE WHEN THE FAN IS SWITCHED OFF.

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RENOVATION

GAS ISOMETRIC DIAGRAM
AND ATC NOTES

M-601

DATE : 02/16/24

SCALE : AS NOTED

SHEET NO : 17 OF 25



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SPLIT SYSTEM INDOOR UNIT SCHEDULE													
DESIG.	SERVING	NOMINAL TONNAGE	FAN			COOLING				HEATING		MANUFACTURER	SERIES
			SA(CFM)	ESP	OA (CFM)	EAT DB (F)	EAT WB (F)	SENS. CAP. (MBH)	TOT. CAP. (MBH)	EAT (F)	REQ. CAP. (MBH)		
FCU-1	MEZZANINE OFFICE	0.75	240	0.60	20	80.0	67.0	3.2	4.1	70.0	2.2	DAIKIN	FDMQ

- NOTES:
- REFRIGERANT PIPE SIZES SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
 - FIELD COORDINATE REFRIGERANT LINE LENGTH REQUIREMENTS WITH THE PLANS AND THE MANUFACTURER.
 - PROVIDE INTEGRAL CONDENSATE PUMP.
 - POWER CHARACTERISTICS INDICATED IS THE TOTAL SYSTEM LOAD. INDOOR UNIT SHALL BE POWERED FROM THE OUTDOOR UNIT.

SPLIT SYSTEM HEAT PUMP OUTDOOR CONDENSING UNIT SCHEDULE													
DESIG.	SERVING	COOLING AMBIENT AIR TEMP	COOLING CAPACITY (MBH)	HEATING AMBIENT AIR TEMP	HEATING CAPACITY (MBH)	ELECTRICAL				SEER2	HSPF2	MANUFACTURER	SERIES
						VOLTAGE	PHASE	MCA (A)	MOCP (A)				
SSH-1	FCU-1	95°F	4.1	5°F	2.2	208	1	9.0	15.0	14.3	8.2	DAIKIN	RX

- NOTES:
- ENERGY EFFICIENCY RATINGS ARE BASED ON THE RATED COMBINATION WITH THE ASSOCIATED OUTDOOR UNIT.
 - COOLING AND HEATING CAPACITIES LISTED ARE CALCULATED REQUIRED CAPACITIES.
 - PROVIDE WITH R-410 REFRIGERANT.

GAS FIRED UNIT HEATER SCHEDULE												
DESIG.	SERVING	AIRFLOW (CFM)	NATURAL GAS INPUT (MBH)	EQUIPMENT EFFICIENCY	ELECTRICAL				MANUFACTURER	SERIES ID	REMARKS	
					VOLTAGE	PHASE	MCA	MOCP				
GFRH-1	MARINE MECHANICAL SHOP	1345	105	83	120	1	4 A	15 A	REZNOR	UDZ	1	
GFRH-2	MARINE MECHANICAL SHOP	1345	105	83	120	1	4 A	15 A	REZNOR	UDZ	1	

- NOTES:
- PROVIDE WITH WALL MOUNTED THERMOSTAT CONTROL.

GAS FIRED RADIANT HEATER SCHEDULE												
DESIG.	SERVING	HEATER TYPE	NATURAL GAS INPUT (MBH)	EQUIPMENT EFFICIENCY	LENGTH	ELECTRICAL				MANUFACTURER	SERIES ID	REMARKS
						VOLTAGE	PHASE	MCA	MOCP			
GFRH-1	MARINE MECHANICAL SHOP	U-TYPE	100	83	24'	120	1	1.0	15 A	ROBERT GORDON	BH	3,4
GFRH-2	MARINE MECHANICAL SHOP	STRAIGHT	40	83	10'	120	1	1.0	15 A	ROBERT GORDON	BH	1,2,4

- NOTES:
- THE REFLECTOR OF THE GFRH SHALL BE TILTED AT 45 DEGREE.
 - BOTTOM OF HEATER SHALL BE AT 20'-2" AFF.
 - BOTTOM OF HEATER SHALL BE AT 18'-8" AFF.
 - PROVIDE MOUNTING SUPPORTS AS REQUIRED.

HVLV CEILING FAN SCHEDULE										
DESIG.	FAN DIAMETER(ft)	QTY OF BLADES	ELECTRICAL				MANUFACTURER	MODEL	REMARKS	
			VOLTAGE	PHASE	MCA	MOCP				
CF-1	10	6	208	1	10 A	15 A	BIG ASS FANS	POWERFOIL D	1,2	
CF-2	10	6	208	1	10 A	15 A	BIG ASS FANS	POWERFOIL D	1,2	

- NOTES:
- PROVIDE WITH WALL MOUNTED CONTROLLER.
 - PROVIDE A MEANS OF AUTOMATIC SHUTDOWN UPON DETECTION OF WATER FLOW IN THE SPRINKLER SYSTEM AS REQUIRED BY NFPA 13.

AIR DEVICE SCHEDULE - CEILING SUPPLY DIFFUSERS						
MARK	FLOW	NECK CONNECTION	LENGTH	WIDTH	MANUFACTURER	MODEL NUMBER
CD-1	240 CFM	8"	24"	24"	TITUS	TDC

- NOTES:
- MAXIMUM PRESSURE DROP SHALL BE 0.1 IN. W.C.

AIR DEVICE SCHEDULE - RETURN AIR REGISTERS					
MARK	FLOW	NECK LENGTH	NECK WIDTH	MANUFACTURER	MODEL NUMBER
RR-1	220 CFM	8"	8"	TITUS	PAR

- NOTES:
- MAXIMUM PRESSURE DROP SHALL BE 0.05 IN. W.C.

EXISTING EXHAUST FAN SCHEDULE						
EF NO.	SERVING	CFM	DRIVE TYPE	HP	MANUFACTURER	SERIES ID
EX EF	MARINE MECHANICAL SHOP	4040	BELT	1/2	DOMEX	18B



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 RENOVATION

MECHANICAL SCHEDULES **M-701**

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 18 OF 25

CODES AND STANDARDS

A. All construction shall be completed in accordance with the following building codes:

- International Building Code (IBC-2018)
- Minimum Design Loads for Buildings and Other Structures (ASCE 7-16)

MISCELLANEOUS

A. The Architect is responsible for the overall dimensional layout and configuration of the structure. Refer to the architectural drawings for dimensions. Dimensions shown on structural drawings supplement the dimensions shown on the architectural drawings.

B. The Contractor shall check and verify all dimensions shown on the contract drawings before proceeding with construction. All discrepancies and omissions shall be brought to the attention of the Architect.

C. Scales shown on the drawings are for general information only. Do not scale the drawings.

D. The Contractor shall locate all utilities in the area of construction and prevent damage to them. Should damage occur to any utilities, the Contractor is required to repair the damage to the satisfaction of the owner at the Contractor's expense.

E. Contractor shall coordinate detailing, fabrication and erection / installation with all related trades prior to submitting shop drawings for review. No shop drawings shall be used for construction which where returned noted as "Revise and Resubmit", "Rejected", "Returned for Correction", or words to that effect.

F. The Contractor shall review the architectural, civil, mechanical and electrical drawings for location of chases, inserts, openings, sleeves, depressions and other project requirements which impact the structural components.

G. No openings shall be made in any structural member unless specifically shown on the structural drawings or upon written approval from the Structural Engineer.

H. The design loads shall not be exceeded during construction. Contractor shall be responsible for designing and installing temporary bracing / shoring as required during construction.

I. The framing has been designed for the weight of equipment indicated on the structural drawings. If the actual weight of indicated equipment exceeds that shown or if required equipment not indicated exceeds 300 pounds, the Contractor shall immediately notify the Architect / Structural Engineer.

EXISTING CONSTRUCTION

A. All existing plans, details, dimensions, elevations, etc. Indicate existing conditions as known. The existing information shown is not intended to be "as built" and the actual construction may differ from that shown. The Contractor shall field verify all existing conditions including dimensions and elevations prior to starting construction. Minor variations can be expected and any required deviation from the contract documents shall be approved by the Architect / Engineer prior to proceeding with construction.

B. The Contractor shall monitor the existing structure during construction. Immediately notify the Engineer of areas exhibiting distress or failure.

FOUNDATIONS, GENERAL

A. Foundation designs are based on an IBC Code allowable assumed bearing verified during construction.

B. The Contractor shall notify the Engineer of record of all foundation and soil conditions which differ from those indicated in the contract documents and geotechnical report.

C. The Contractor shall safeguard and protect all excavations, and adjacent structures, pavements, and utilities. All excavations shall be kept free of water. The Contractor is responsible for the design, installation, maintenance, and removal of all shoring, bracing, and dewatering required to properly construct the foundations and to protect adjacent structures, pavements and utilities. Do not remove shoring such as sheet piling if it will cause settlement or damage to existing or new structures, pavement, and/or utilities.

D. The Contractor shall refer to the civil, architectural, plumbing, mechanical and electrical drawings for all locations of trenches, pits, conduits, etc. Not shown on the structural drawings

CAST-IN-PLACE FOUNDATIONS

A. Drilled Pier Foundations

1. Bottoms of all drilled piers installed using "dry method" shall be inspected by the testing and inspection agency prior to placing concrete. Provide temporary steel casings as required. Drilled piers shall be kept free of water infiltration until concrete is placed

2. Bottom of drilled piers shall not be placed with more than one vertical to one horizontal slope with respect to bottom of any adjacent drilled pier.

B. Submittals

1. Product information for all pier products, accessories, and installation equipment / procedures.

C. Special Inspections & Tests

1. See separate tables for Special Inspections and Tests. Inspections shall be performed in accordance with IBC Chapter 17 and governing material codes.

STRUCTURAL STEEL

A. All steel construction shall be completed in accordance with the follow codes and standards:

- AISC Steel Construction Manual
- Specification for Structural Steel Buildings (AISC 360)
- Specification for Structural Joints Using High-Strength Bolts (RCSC)
- Code of Standard Practice for Steel Buildings and Bridges (AISC 303)
- Structural Welding Code (AWS D1.1)

B. Materials

- W shapes: ASTM A 992, Fy = 50 ksi
- Plates and bars: ASTM A 36, Fy = 36 ksi
- Structural bolts: ASTM A 3125, Type 1
- Nuts: ASTM A 563
- Washers: ASTM F 436
- Primer: fabricator's standard lead- and chromate-free, non-asphaltic, rust inhibiting primer

C. Miscellaneous

1. The design and installation of temporary bracing during construction is the responsibility of the Contractor.

D. Connections

1. The Contractor / detailer shall select standard AISC shear connections using beam reactions equal to ½ the allowable uniform load on the beam, 6 kips minimum [as indicated on the drawings] (reactions must be shown on the drawings if using composite construction). Provide one of the following connection types and coordinate with sections and typical details.

- Double Angle
- Single Angle
- Single Plate
- End Plate

2. Bolted connections shall consist of the following:

- Joint type: snug tightened, unless noted otherwise
- Bolt size: ¾" diameter, minimum.
- Bolt type: N - threads excluded from shear plane
- Standard holes, unless noted otherwise [over-sized and slotted holes must be indicated on the drawings]

3. Welded connections shall consist of the following:

- E70xx electrodes.
- Provide 1/4" fillet welds unless otherwise noted on the drawings.

E. Submittals

1. Product data for all steel materials and accessories including primers and grout under bearings and base plates.

2. Welding certificates for all welders.

3. Fabrication and erection shop drawings indicating all steel member sizes, layout, elevation, connections, splices, fasteners, bracing, bridging, and accessories.

F. Special Inspections & Tests

1. See separate tables for Special Inspections and Tests. Inspections shall be performed in accordance with IBC Chapter 17 and governing material codes.

CONCRETE PROPERTIES						
ELEMENT	f _c (psi) ²	w/c ³	Air (%) ⁴	Cement ⁵	CL% ⁶	Exposure ⁷
Foundation Piers	4,500	0.50	6.0	IV/1	0.3	F2, S0, C1, W0

Notes:

- All concrete is normal weight unless noted otherwise.
- f_c = concrete strength at 28 days
- w/c = water cement ratio
- Air entrainment
- Cementitious material
- Chloride ion content
- See separate table for exposure category and class information

EXPOSURE CATEGORIES	EXPOSURE CLASSES			
	0	1	2	3
F concrete exposed to freezing and thawing cycles	no exposure	low level of saturation	high level of saturation	high level of saturations & potential for deicing chemicals
S concrete exposed to sulfates	< 0.10% < 150 ppm	0.10 - 0.20% 150-1500 ppm & seawater	0.20 - 2.00% 1500-10,000 ppm	> 2.00% > 10,000 ppm
C concrete requiring corrosion protection	dry in service	moist in service	moist & exposed to external source of chlorides	n/a
W concrete members in contact with water	dry in service & not requiring low permeability	in contact with water & requiring low permeability	n/a	n/a

CONCRETE COVER	
Footings	3" bot. & sides, 2" top

SOILS DESIGN VALUES	
Min. Allowable Bearing Capacity	2500 psf
Frost Depth	30"

CONCRETE	
Type of Inspection or Test	Frequency
Verify compliance with the approved submittals.	Periodic
Inspect reinforcement. Verify size, placement, and clearances.	Periodic
Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete in accordance with ACI 318 and ACI 301.	Continuous
Inspect concrete placement for proper application techniques.	Continuous
Inspect post installed mechanical anchors in accordance with manufacturer's requirements.	Periodic

STRUCTURAL STEEL	
Type of Inspection or Test	Frequency
Verify compliance with approved materials, welding and bolting procedures, and submittals.	Periodic
Verify welds meet size, length, and location requirements and visual acceptance criteria.	Periodic
Verify fasteners are marked in accordance with ASTM requirements.	Periodic
Verify use of proper fasteners.	Periodic
Verify fasteners are tightened in accordance with approved methods.	Periodic
Document acceptance or rejection of welded and bolted joints.	Periodic

SOILS	
Type of Inspection or Test	Frequency
Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Periodic
Verify excavations are extended to proper depth and have reached proper material.	Periodic

REVISION			
NO.	DATE	DESCRIPTION	BY
	02/16/2024	ISSUED FOR CONSTRUCTION	



DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY

VESSEL MAINTENANCE SHOP
RENOVATION

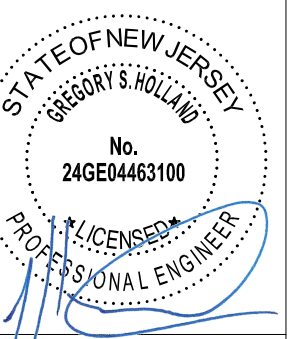
GENERAL NOTES, DESIGN
CRITERIA, & SPECIAL
INSPECTIONS

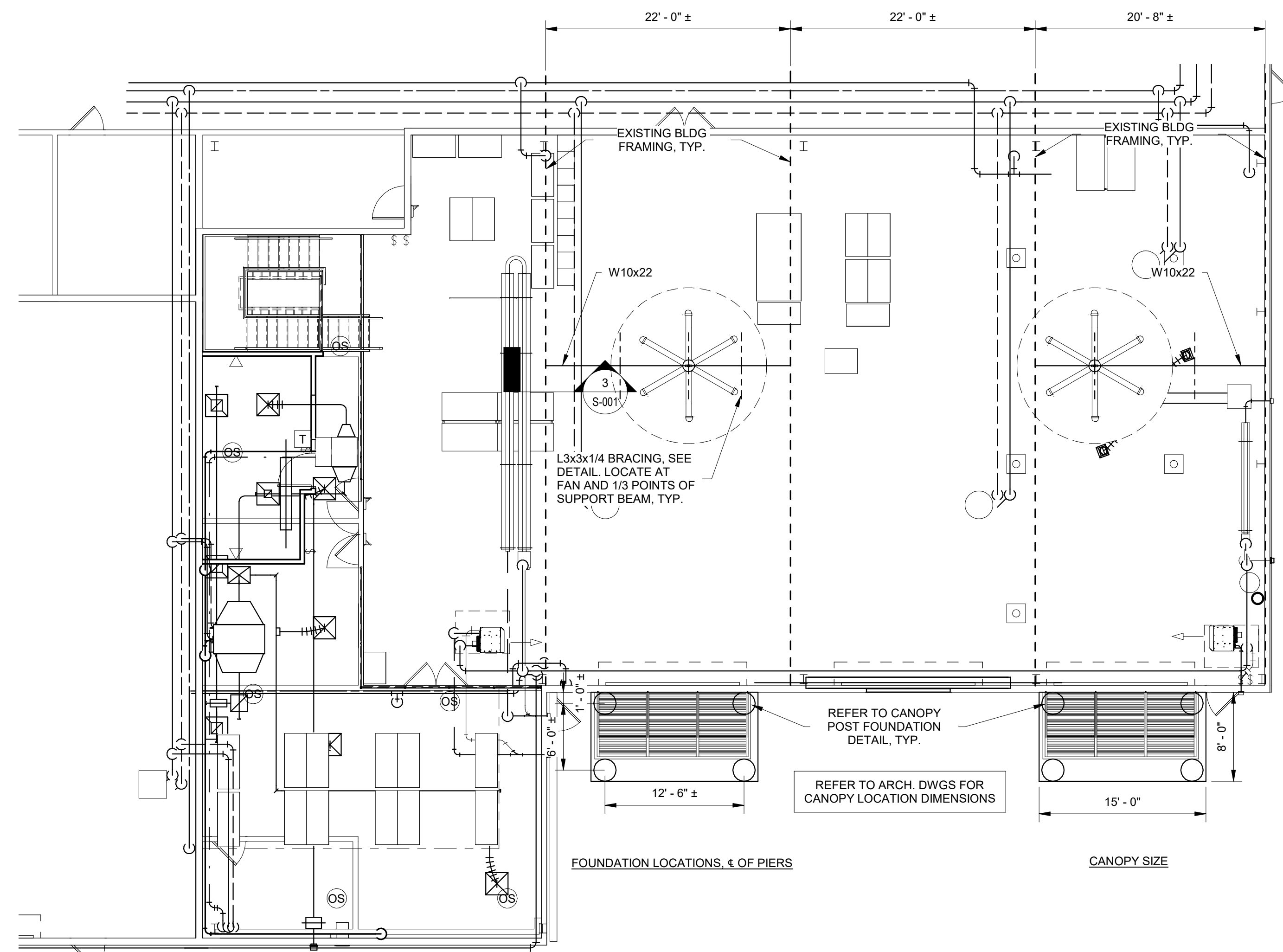
S-000

DATE : 02/16/24

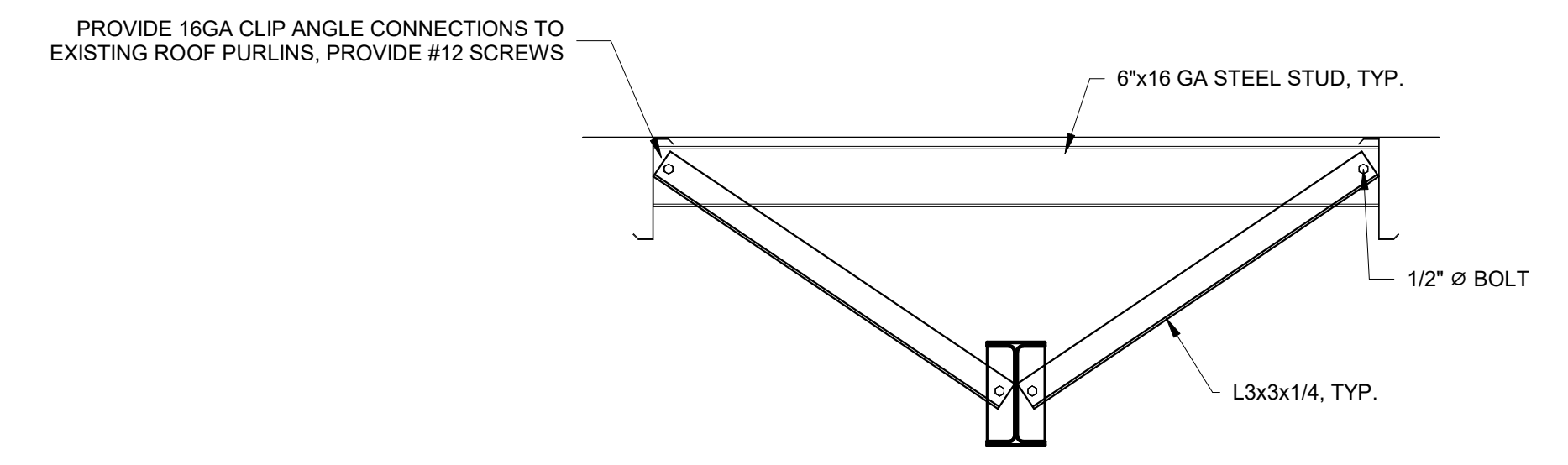
SCALE : AS NOTED

SHEET NO : 11 OF 25

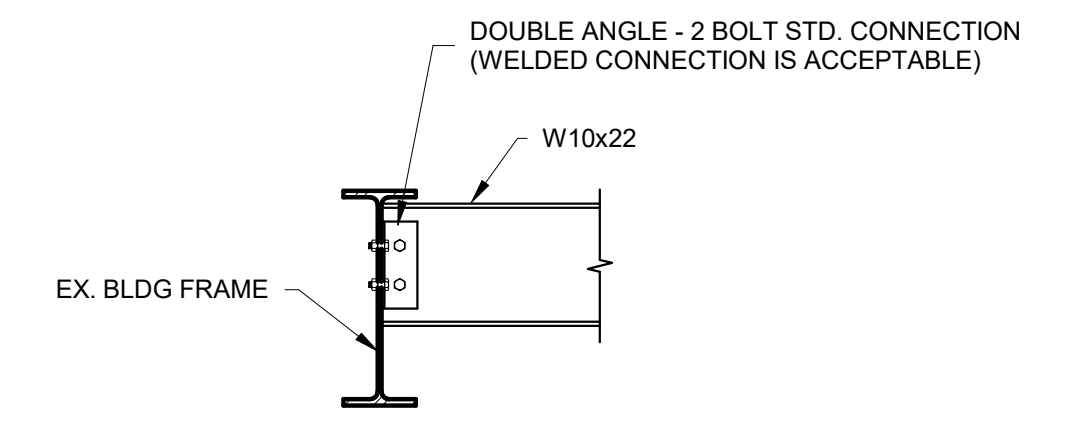




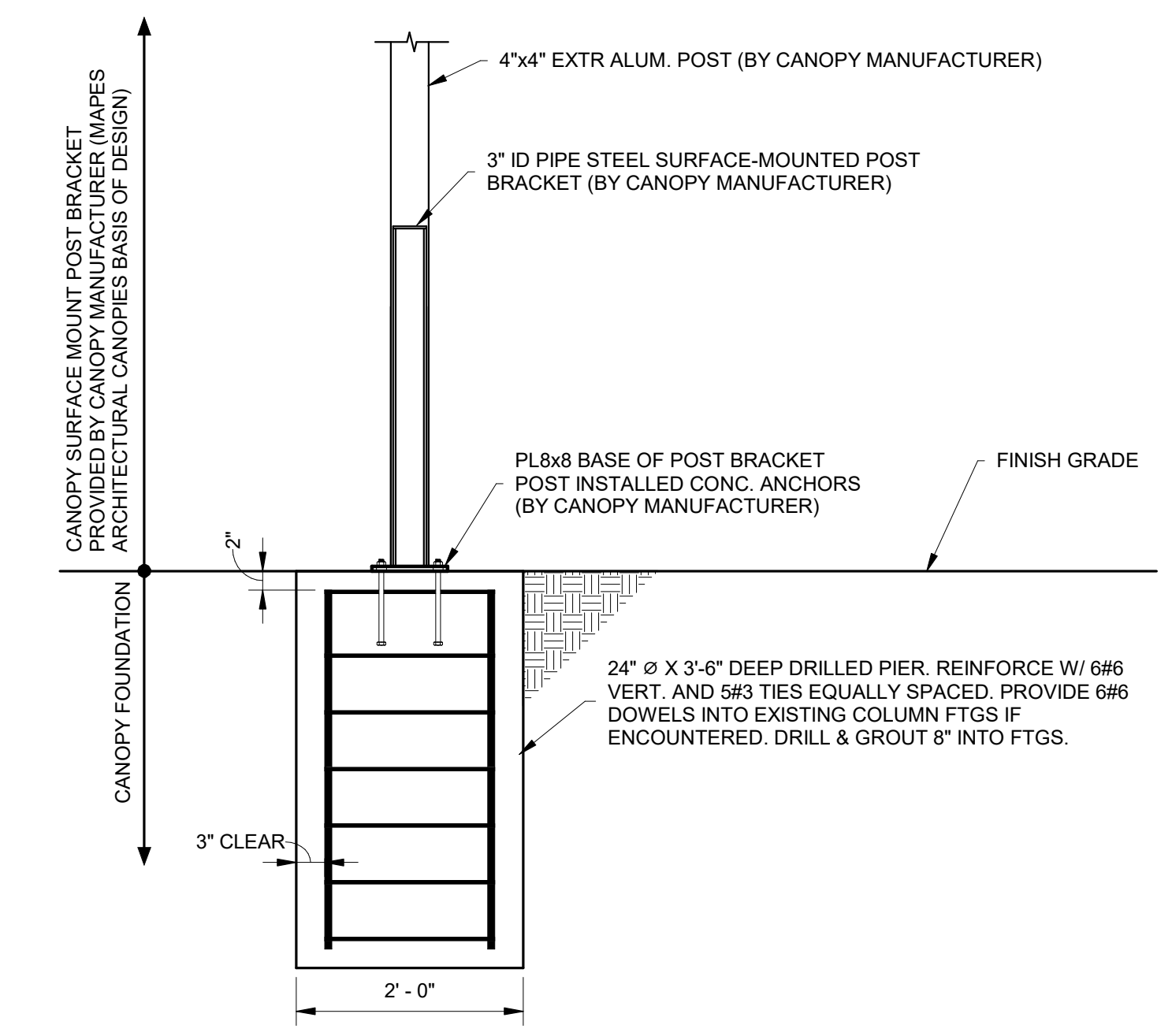
1 MEZZANINE PLAN
SCALE: 1/8" = 1'-0"



2 FAN SUPPORT BEAM BRACING
SCALE: 3/4" = 1'-0"



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

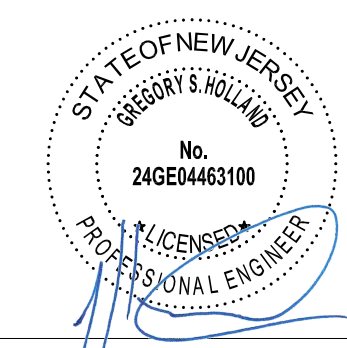


4 CANOPY POST FOUNDATION
SCALE: 3/4" = 1'-0"

- TYPICAL DETAILS SHOWN ON THIS SHEET GENERALLY ARE **NOT** REFERENCE FROM ANY OTHER DRAWINGS ON THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND AND APPLY TYPICAL DETAILS WHERE AND AS APPLICABLE ON THE PROJECT AS NEEDED.
- STANDARD DETAILS SHOWN ON THIS SHEET **MAY** BE REFERENCED ON THE PLANS AND SECTIONS TO CLARIFY A PARTICULAR CONDITION.
- DETAIL DESIGNATIONS (i.e. 5/SX.X) SHOWN ARE FOR CONVENIENCE IN COMMUNICATION BETWEEN THE CONTRACTOR AND ENGINEER.
- SEE GENERAL NOTES AND DESIGN CRITERIA SHEETS [S0.0] AND [S0.1] FOR ADDITIONAL INFORMATION.

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	02/16/2024	ISSUED FOR CONSTRUCTION	

CENTURY ENGINEERING
A Kleinfelder Company
550 Bay Road Dover, DE 19901
Phone: 302-734-9188
www.centuryeng.com
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DELAWARE RIVER AND BAY AUTHORITY
CAPE MAY - LEWES FERRY

VESSEL MAINTENANCE SHOP RENOVATION

FRAMING PLAN **S-001**

DATE : 02/16/24 SCALE : AS NOTED SHEET NO : 12 OF 25