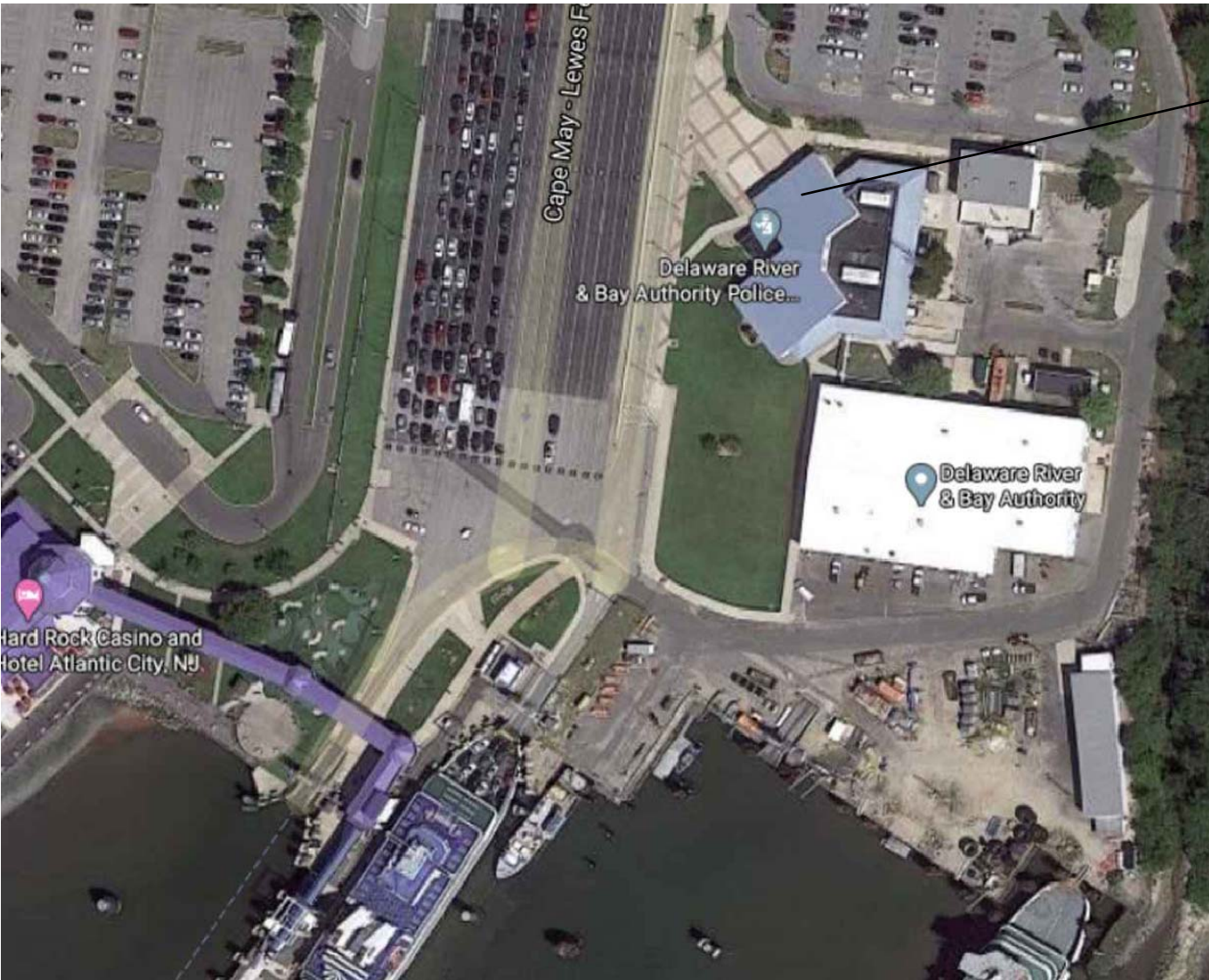


Sheet List Table	
Sheet Number	Sheet Title
G-000	COVER SHEET
A-001	ARCHITECTURAL GENERAL NOTES, ABBREVIATION, AND SYMBOLS
A-002	TYPICAL MOUNTING HEIGHTS
AP101	PHASING PLAN
A-101	DEMOLITION PLAN
A-102	CONSTRUCTION FLOOR PLAN
A-401	FINISH PLAN, ENLARGED PLANS AND ELEVATIONS
A-501	SCHEDULES AND DETAILS
M-000	GENERAL NOTES SYMBOLS AND ABBREVIATIONS
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M-101	ROOF HVAC DEMOLITION PLAN
M-110	HVAC PLAN
M-111	ROOF HVAC PLAN
M-501	HVAC DETAILS
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P-000	GENERAL NOTES SYMBOLS AND ABBREVIATIONS
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E-105	SECURITY ACCESS PLAN

DELAWARE RIVER AND BAY AUTHORITY  
CAPE MAY - LEWES FERRY

CONTRACT NO. CMLF-C19-06  
CAPE MAY DISPATCH CENTER REHAB  
CAPE MAY TERMINAL - POLICE AND  
ADMINISTRATION BUILDING  
NEW JERSEY



DRBA CAPE MAY-LEWES FERRY TERMINAL  
POLICE AND ADMINISTRATION BUILDING

1 SITE LOCATION PLAN  
G-000 SCALE: NTS

REVISION			
NO.	DATE	DESCRIPTION	BY

**CENTURY**  
ENGINEERING  
CONSULTING ENGINEERS - PLANNERS  
PLAZA 273, 56 W. MAIN STREET,  
SUITE 100-A, NEWARK, DE 19702  
Phone: (302) 525-6022 Fax: (443) 589-2401  
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02/16/2022  
Approved

RECOMMENDED DATE

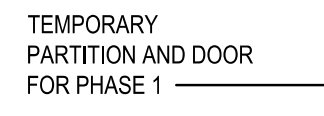
APPROVED BY

ISSUED FOR BIDDING DATE

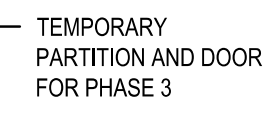
COVER SHEET

G-000





1  
AP101



2  
AP101

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 PHASES ACTIVITIES AND DURATION FOR APPROVAL BY THE DELAWARE RIVER AUTHORITY 14 DAYS PRIOR TO PLANNED SITE MOBILIZATION.
2. CONTRACTOR SHALL COORDINATE ANY ACCESS REQUIRED TO OCCUPIED AREAS WITH THE DELAWARE RIVER 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 AUTHORITY FOR APPROVAL AS REQUIRED.
4. THE CONTRACTOR SHALL NOTIFY THE DELAWARE RIVER 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 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 OF THE PROJECT, BUT NOT LIMITED TO FUME MITIGATION, DUST AND NOISE CONTROL, HOW FACILITY ACCESS WILL BE MAINTAINED, AND MAINTAINING SCIENCE PROTOCOL ON SITE.

PHASE 1

PHASE 2

PHASE 3

PHASE 1

## PHASE 2

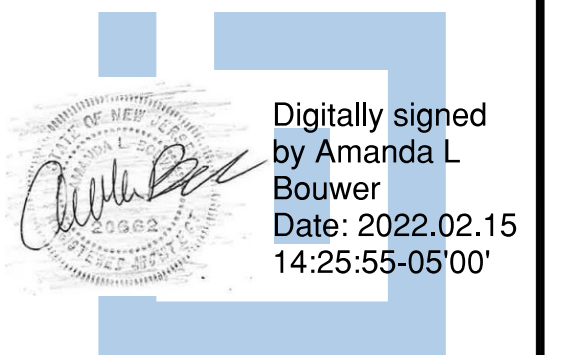
### PHASE 3

**STUDIOJAED**  
ARCHITECTS ■ ENGINEERS ■ FACILITIES SOLUTIONS  
Website: [www.StudioJAED.com](http://www.StudioJAED.com)  
Email: [info@StudioJAED.com](mailto:info@StudioJAED.com)

<u>DELAWARE OFFICE</u> 2500 WINGFIELD HILL ROAD, STE. 110 BEAR, DELAWARE 19701 P. (302) 832-1652	<u>PROVIDENCE OFFICE</u> 42 WYBOSSET STREET, STE. 403 PROVIDENCE, RHODE ISLAND 02903 P. (401) 648-0684	<u>MARYLAND OFFICE</u> 213 FRONT STREET, P.O. BOX 254 CRUMPTON, MARYLAND 216285 P. (410) 648-0684
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DELAWARE RIVER AND BAY AUTHORITY

DRBA CONTRACT NO.  
INTERIOR RENOVATION AT THE  
DRBA POLICE DISPATCH

PROJECT

## REVISIONS

[illegible]

SHEET TITLE

## PHASING PLAN

ISSUED FOR  
BIDDING  
DECEMBER 6, 2021

DRAWN	CHK'D	PROJECT NO.
KB/AB	PG/AB	20008

SHEET NO.

# AP101



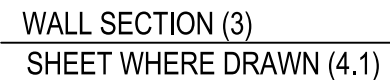
## BUILDING INFORMATION

(F)	FUTURE	PART.	PARTITION	W.C.	WATER CLOSET
F.B.O.	FURNISHED BY OTHERS	P.C.	PORTLAND CEMENT	W.D.	WOOD COVERING
F.D.	FLOOR DRAIN	PED.	PEDISTAL	W.D.	WOOD
F.D.N.	FOUNDATION	PERP.	PERPENDICULAR	W.D.	W.D.
F.E.	FIRE EXTINGUISHER	P.F.	PANIC HAZARD	W.D.	WIRE GLASS
F.F.	FIRE EXISTING CAB.	P.L.	PROPERTY LINE	W.H.	WATER HEATER
F.G.	FUEL GAS	P.L.	PLATE	W.D.	WITHOUT
F.H.	FIRE HYDRANT	PLAM.	PLASTIC LAMINATE	W.F.	WATERPROOF
F.H.C.	FIRE HOSE CAB.	PLAS.	PLASTER	WSCST.	WANSOOST
FIN.	FINISH	PLUMB.	PUMPING	WT.	WEIGHT
F.L.	FLOW LINE	P.P.	POWER POLE	WWF	WELDED WIRE FABRIC
F.L.	FLOOR	PR	PAR		
FLASH.	FLASHING	PROP.	PROPOSED		
FLUOR.	FLUORESCENT	PROST.	PROST.	Y.D.	YARD DRAIN
F.O.C.	FACE OF CONCRETE	PRD. BRD.	PARTICLE BOARD	YD.	YARD

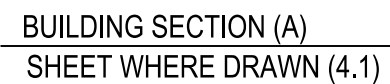
STRUCTURAL GRID LINE



STRUCTURAL GRID LINE



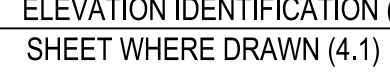
WALL SECTION (3)  
SHEET WHERE DRAWN (4.1)



BUILDING SECTION (A)  
SHEET WHERE DRAWN (4.1)



DETAIL IDENTIFICATION (3)  
SHEET WHERE DRAWN (4.1)



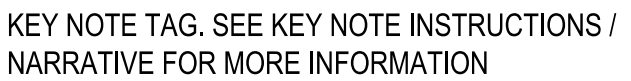
SHEET WHERE DRAWN (4.1)



WALL TYPE TAG



WINDOW IDENTIFICATION TAG



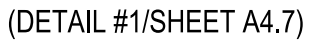
KEY NOTE TAG. SEE KEY NOTE INSTRUCTIONS /  
NARRATIVE FOR MORE INFORMATION



DOOR IDENTIFICATION TAG



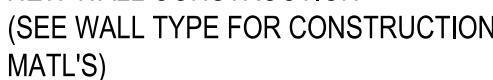
ELEVATION LEVEL MARKER



(DETAIL #1/SHEET A4.7)



DENOTES 2 HOUR FIRE RATING



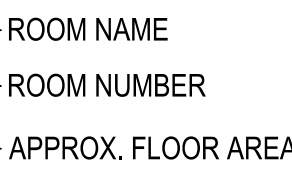
(SEE WALL TYPE FOR CONSTRUCTION  
MATL'S)



## WALL DEMOLITION



REVISION



ROOM NAME  
ROOM NUMBER  
APPROX. FLOOR AREA

## 2. PROJECT DATA

PROJECT: POLICE DISPATCH RENOVATION  
LOCATION: 1200 LINCOLN BLVD, CAPE MAY, NJ 08204  
OWNER: DELAWARE RIVER AND BAY AUTHORITY  
CONSTRUCTION TYPE: IIB  
OCCUPANCY: BUSINESS (B)

[illegible]

**DELAWARE OFFICE**  
2500 WRANGLE HILL  
BEAR, DELAWARE  
P. (202) 833-1652

ARCHITECT / ENGINEER SEA

CAPE RIVER AND BAY AUTHORITY  
DRBA CONTRACT NO.  
INTERIOR RENOVATION AT THE  
DRBA POLICE DISPATCH  
1200 LINCOLN BLVD  
CAPE MAY, NJ 08204

SHEET TITLE

ISSUED FOR  
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DECEMBER 6, 2021

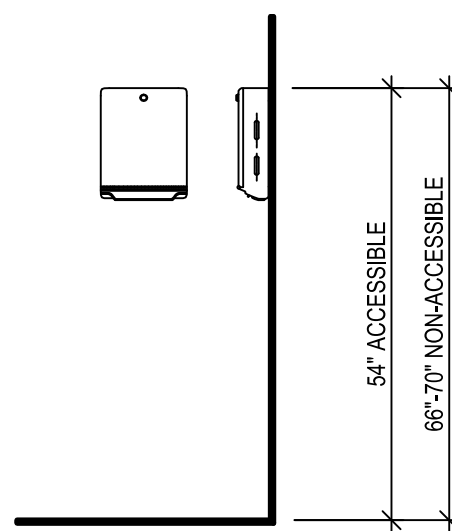
SHEET NO. \_\_\_\_\_

A-001

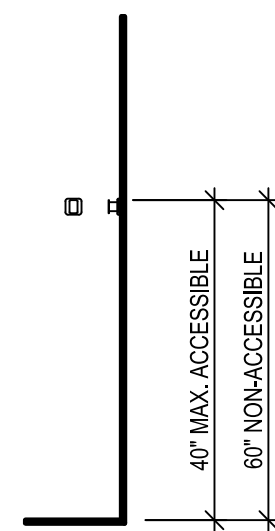


Figure 1: Typical Restroom Layout. This diagram shows a standard restroom layout with a toilet, sink, and mirror. Dimensions include a 60-inch clear width, 15 inches 18 inches for the toilet area, 24 inches for the aisle, and 18 inches minimum for the sink area. Clearances are specified as 55 inches clear, 39 inches 41 inches, 42 inches maximum, and 42 inches minimum. Numbered callouts 1 through 8 indicate specific components and clearances.

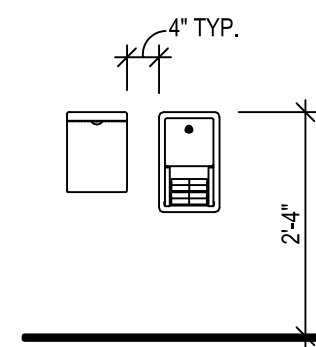
LAVATORY



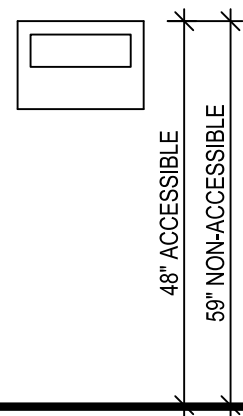
PAPER TOWEL  
DISPENSER



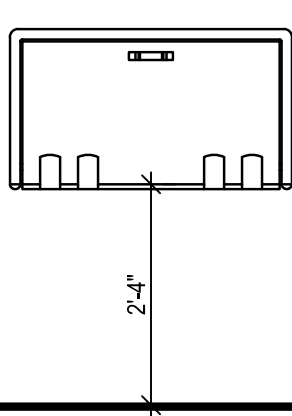
COAT HOOK



TOILET PAPER &  
SANITARY NAPKIN

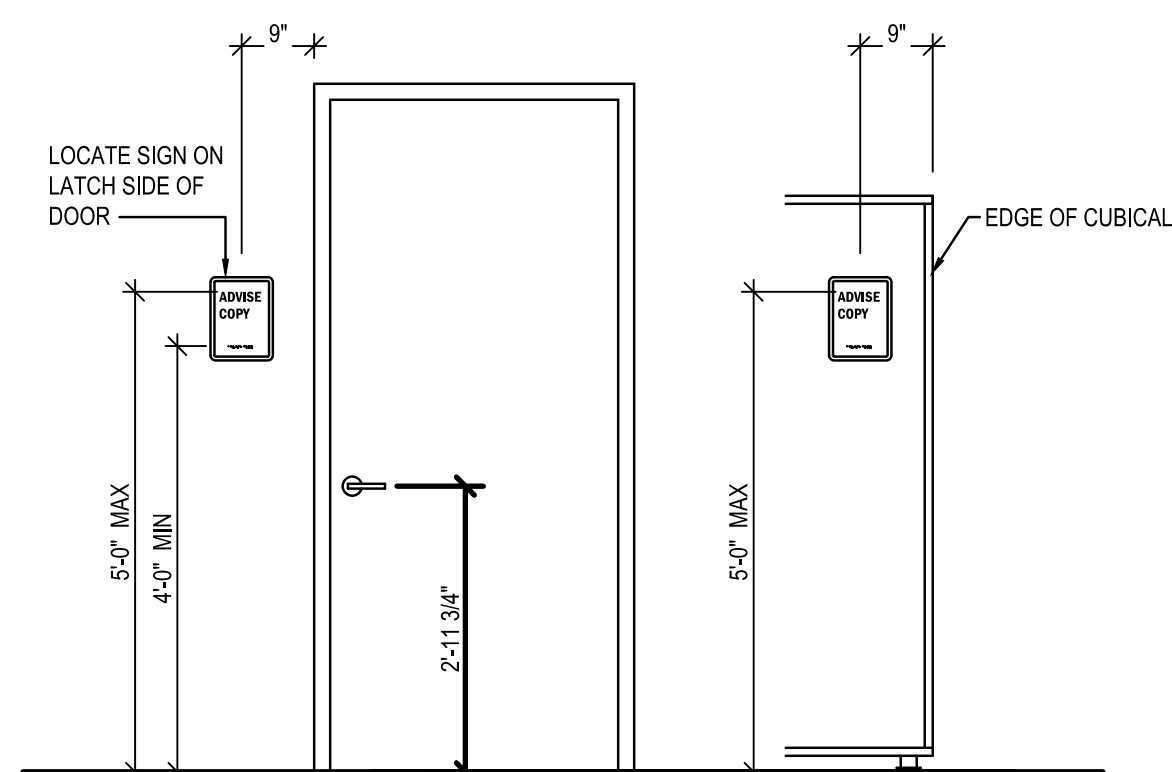


TOILET SEAT  
COVER DISPENSER

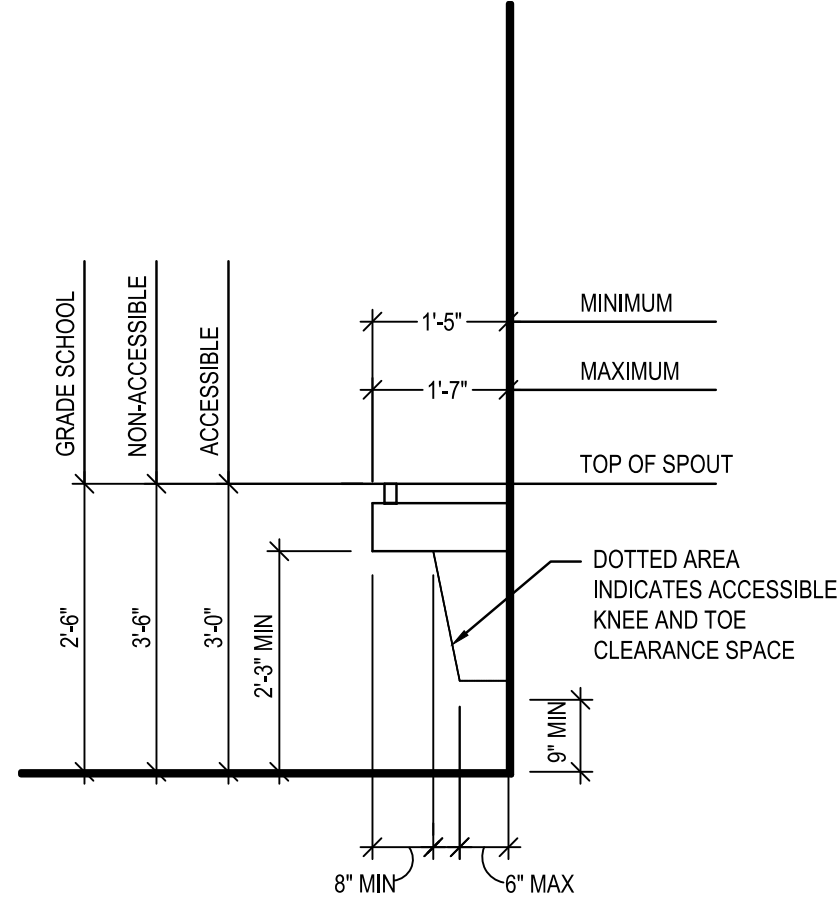


BABY CHANGING  
TABLE

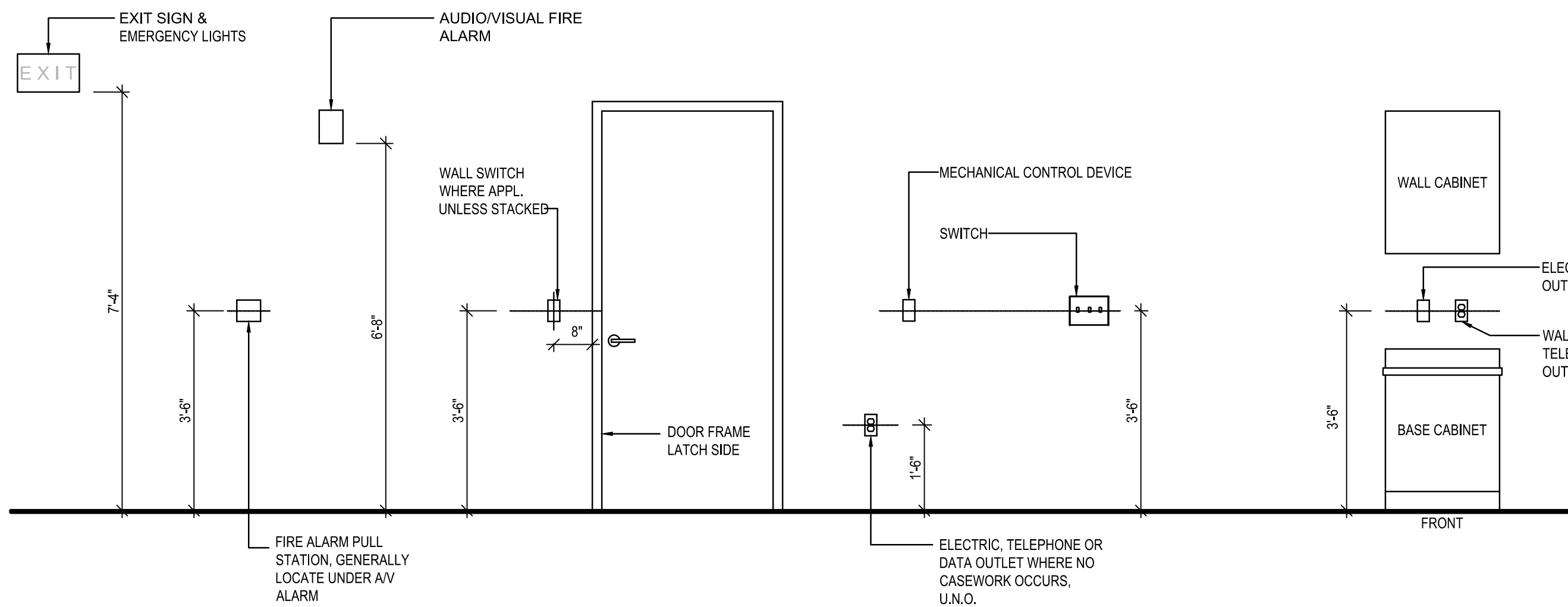
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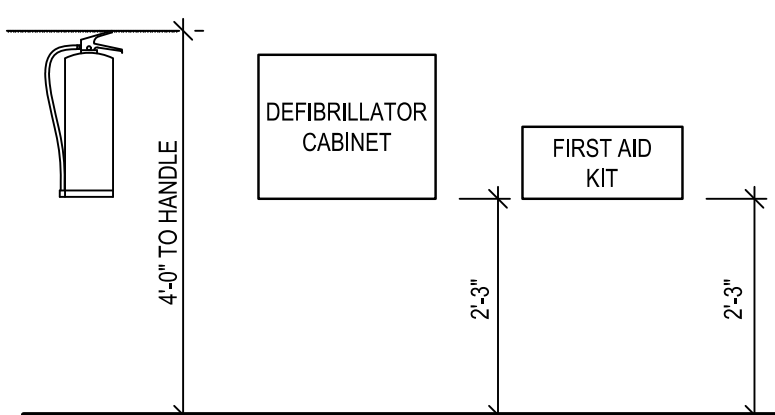
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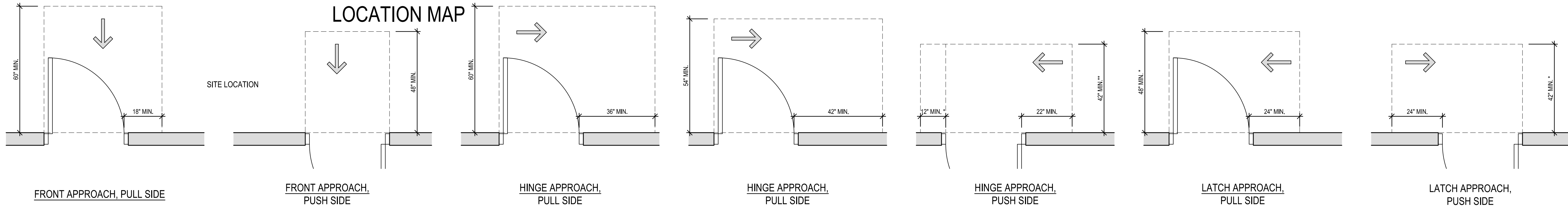
SCALE: N.T.S.



SCALE: N.T.S.



SCALE: N.T.S.



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

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ARE RIVER AND BAY AUTHORITY

DRBA CONTRACT NO.

INTERIOR RENOVATION AT THE

DRBA POLICE DISPATCH

12001 LINCOLN BLVD

CAPE MAY, NJ 08204

SHEET TITLE

## TYPICAL MOUNTING HEIGHTS

ISSUED FOR  
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DECEMBER 6, 2021

SHEET NO.

A-002

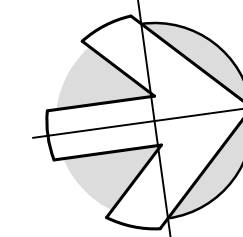




1. ALL AREAS AND PARTITIONS NOT DASHED OR NOTED TO BE REMOVED SHALL REMAIN INTACT. PATCH AND REPAIR EXISTING ADJACENT PARTITIONS AND FINISHES AS REQUIRED AFTER DEMOLITION TO MATCH EXISTING OR IN ACCORDANCE WITH PROPOSED RENOVATIONS.
2. PROVIDE INTERIOR SHORING, BRACING, OR OTHER SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF ELEMENTS TO BE DEMOLISHED AND ADJACENT EXISTING ELEMENTS TO REMAIN.
3. SELECTIVE DEMOLITION WORK INCLUDES REMOVAL OF NON-STRUCTURAL ITEMS INDICATED. REFER TO MECH. PLUMB. ELEC. DEMOLITION DWGS FOR ADDITIONAL SPEC. THIS DRAWING DOES NOT SHOW ELEC. WATER, HVAC, AND MOST OTHER SERVICES.
4. LOCATE AND IDENTIFY EXISTING UTILITIES, INCLUDING SANITARY SEWER SYSTEM, AND ASCERTAIN THEIR CONDITION TO ENSURE ADEQUATE PERFORMANCE OF ALL UTILITIES IN NEW CONSTRUCTION. PROTECT UTILITY LINES AND HARDWARE DURING DEMOLITION AND CONSTRUCTION PHASES.
5. THE CONTRACTOR SHALL SAFELY SECURE ANY AND ALL PIPING, WIRING, CABLES, OR DEVICES THAT ARE NOT SCHEDULED FOR DEMOLITION THAT WERE SECURED BY ITEMS THAT HAVE BEEN OR ARE SCHEDULED FOR DEMOLITION.
6. UPON COMPLETION OF THE DEMOLITION WORK, ALL AREAS SHALL BE LEFT BROOM CLEAN TO THE SATISFACTION OF THE OWNER.
7. CONTRACTOR SHALL PROMPTLY PATCH AND REPAIR DAMAGE CAUSED TO ADJACENT CONSTRUCTION BY DEMOLITION WORK. RESTORE EXPOSED FINISHES IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.
8. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, NOTIFY OWNER IMMEDIATELY COMPLY WITH APPLICABLE REGULATIONS, LAWS, AND ORDINANCES CONCERNING REMOVAL, HANDLING, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION. BURNING OF REMOVED MATERIALS IS NOT PERMITTED ON THE PROJECT SITE.
9. COORDINATE ALL DEMOLITION WORK ON THE EXISTING BUILDING WITH THE OWNER BEFORE PROCEEDING.

## DEMOLITION KEY NOTES

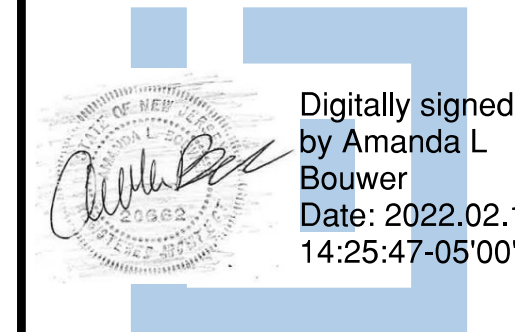
- |      |  |
|------|--|
| D-01 | DEMOLISH EXISTING DOOR, FRAME AND HARDWARE AND ANY ASSOCIATED COMPONENTS.  |
| D-02 | DEMOLISH EXISTING CARPET TILE FINISH DOWN TO CONCRETE SUBSTRATE. PATCH SUBSTRATE AS REQUIRED TO RECEIVE NEW FINISHES. DEMOLISH EXISTING WALL BASE. PATCH AND PREPARE EXISTING WALLS FOR NEW WALL BASE. |
| D-03 | DEMOLISH EXISTING BUILT UP FLOOR, INCLUDING BUT NOT LIMITED TO SUB FLOOR, METAL STUDS, FLOOR JOISTS, ECT. DOWN TO EXISTING CONCRETE SLAB.  |
| D-04 | DEMOLISH EXISTING STOREFRONT WINDOW, DOOR, FRAME AND HARDWARE AND ANY ASSOCIATED COMPONENTS.   |
| D-05 | DEMOLISH EXISTING CASEWORK IN RIT'S ENTRY. PATCH AND REPAIR WALL AFTER CASEWORK HAS BEEN REMOVED.  |
| D-06 | DEMOLISH EXISTING GYPSUM WALLBOARD AND STUD PARTITION. SEE I/ 1-101.   |
| D-07 | DEMOLISH EXISTING PLUMBING FIXTURE AND TOILET ROOM ACCESSORIES. CAP PIPING BELOW SLAB AND/ OR BEHIND WALL. RETURN ALL TOILET ACCESSORIES TO OWNER. INFILL CMU WALL AT REMOVED RECESSED MIRROR.         |
| D-08 | WITH CARE REMOVE EXISTING TILE FLOOR AND WALL BASE. REPAIR AND PREP EXISTING SLAB FOR NEW FINISH. REPAIR AND PREP EXISTING WALL FOR NEW FINISH (TYP ENTIRE ROOM).                                      |
| D-09 | DEMOLISH A PORTION OF THE EXISTING CMU WALL AS REQUIRED FOR A NEW DOOR FRAME AND LINTEL.   |
| D-10 | DEMOLISH EXISTING 2'-0" x 2'-4" ACoustICAL CEILING SYSTEM BACK TO GRID MAIN, INCLUDING BUT NOT LIMITED TO CEILING PANELS, GRID, WALL MOLDING, HANGERS AND SUPPORTS.                                    |
| D-11 | DEMOLISH EXISTING GYPSUM WALLBOARD CEILING IN ITS ENTIRETY.  |
| D-12 | DEMOLISH EXISTING LIGHTING FIXTURE.  |
| D-13 | DEMOLISH EXISTING MECHANICAL DIFFUSER.   |
| D-14 | EXISTING SPRINKLER HEAD TO REMAIN. ADJUST LOCATION FOR NEW GRID PLACEMENT AS REQUIRED. TYPICAL ALL LOCATIONS UNLESS NOTED OTHERWISE.   |
| D-15 | EDGE OF RAISED FLOOR.  |
| D-16 | WITH CARE, REMOVE EXISTING SAFETY TRANSACTION WINDOW. REPAIR BROKEN SPEAKER. STORE FOR REINSTALLATION.   |
| D-17 | REMOVE GYPSUM WALLBOARD AS REQUIRED TO INSTALL NEW BLOCKING FOR (4) WALL MOUNTED VIDEO MONITORS.   |
| D-18 | DEMOLISH EXISTING CMU WALL WITH FURRING IN ITS ENTIRETY.   |
| D-19 | WITH CARE, REMOVE EXISTING WOOD VENEER PANELING UP TO WOOD TRIM ABOVE.   |



TRUE  
NORTH

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DELAWARE RIVER AND BAY AUTHORITY

DRBA CONTRACT NO.  
INTERIOR RENOVATION AT THE  
DRBA POLICE DISPATCH

0001507

## REVISIONS

[illegible]

SHEET TITLE

DEMOLITION PLAN

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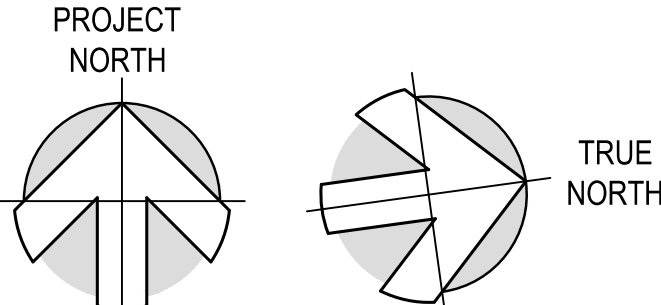
DRAWN	CHK'D	PROJECT NO.
AB/KB	AB/PG	20008
SHEET NO.		

A-101







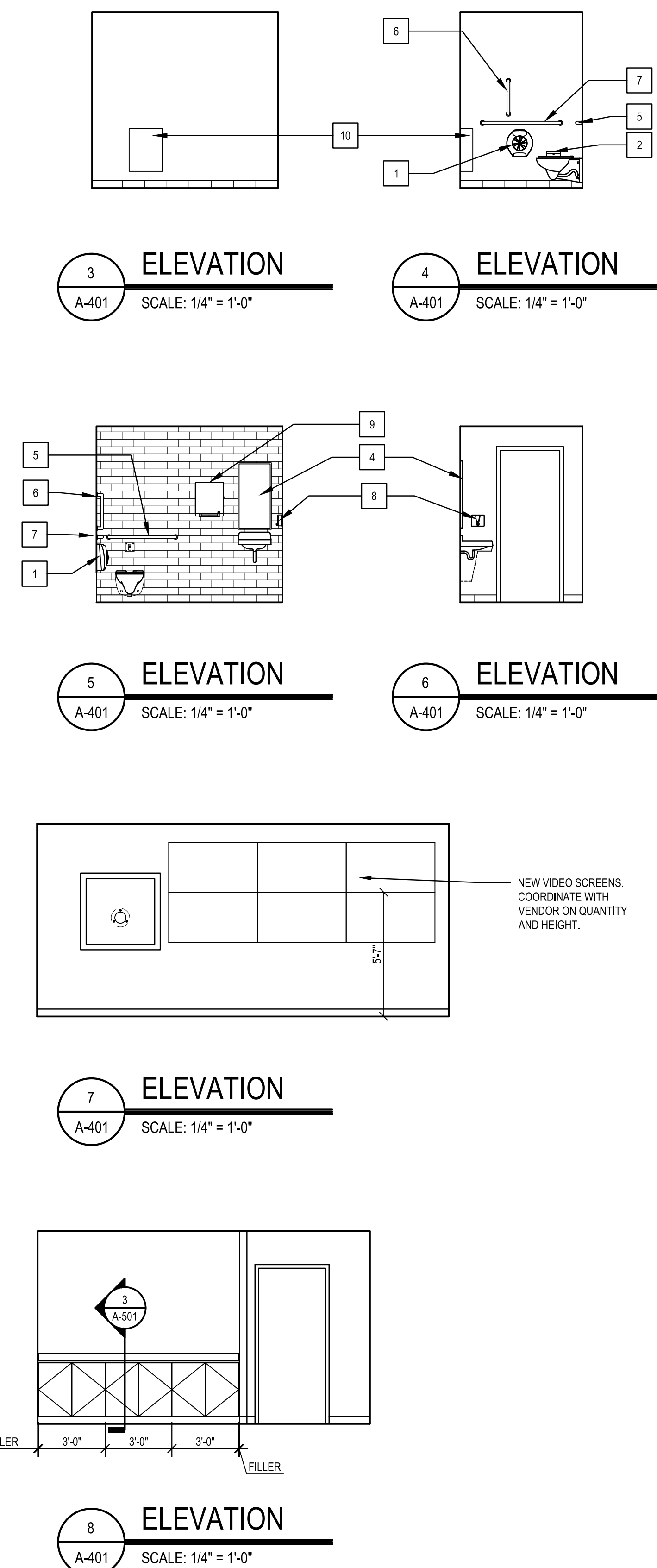


**TOILET ROOM - ENLARGED PLAN**

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

**NOTES:**

1. SEE SPECIFICATIONS FOR ALL FINISH INFORMATION





CESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP W/ ONE OF THE WRIST TO OPERATE. (ANSI A17.1-2009 SECTION 404.2.6)

OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION SHALL BE 10 SECONDS OR LESS. (ANSI A17.1-2009 SECTION 409.2.1.1)

ITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 10 SECONDS OR LESS. (ANSI A17.1-2009 SECTION 409.2.1.2)

Y ARE ONLY A GUIDELINE AND SHOULD NOT BE CONSIDERED A DETAILED OR COMPLETED IN A HARDWARE SET SHOULD BE ADDED AND HAVE THE CAPTION AND FUNCTIONALITY.

<u>HARDWARE SET #5: SINGLE STORAGE DOOR</u>			
QTY	DESCRIPTION		
3	HINGE 4.5 x 4.5 x NRP T4A3786	626	MCKINNEY
1	STOREROM LOCKSET LV9080 06	626	SCHLAGE
1	WALL STOP 1270WV	630	TRIMCO
3	SILENCERS 1229A	GRAY	TRIMCO
1	6-PIN CYLINDER CORE	626	SCHLAGE


FACTURER'S NEED TO BE APPROVED DURING THE BIDDING PROCESS FOR  
DOORS, EVEN WHEN ITEM IS NOT LISTED FOR A DOOR IN DOOR HARDWARE  
CATEGORY. THE SUPPLIER SHALL BE RESPONSIBLE FOR THE SIZE AND HAND OF DOOR FOR PRODUCTS REQUIRED IN ACCORDANCE WITH  
THE SINGLE (SGL) DOOR, AS INDICATED IN HARDWARE SETS.  
ELEMENTS TO ASSIST DOOR HARDWARE SUPPLIER WITH THIS BASIC CRITERIA.

---

DETAILS		HARDWARE SET	REMARKS
	INSTR.		
	ETR	4	REPAINT DOOR FRAME. REMOVE EXISTING HARDWARE, REPAIR AND STAIN DOOR.
	J-2	3	LEVEL 2 BALLISTIC WOOD DOOR
	J-1	1	-
	J-1	5	
	J-3	1	-
	J-1	2	
	J-1	3	LEVEL 2 BALLISTIC WOOD DOOR
	ETR	4	REMOVE EXISTING HARDWARE. REPAIR AND STAIN DOOR AS REQUIRED FOR NEW HARDWARE.



**ARCHITECT / ENGINEER SEAL**

 Digitally signed by  
Amanda L Bouwer  
Date: 2022.02.15  
14:25:16-05'00'

CAPE RIVER AND BAY AUTHORITY

DRBA CONTRACT NO.

INTERIOR RENOVATION AT THE

DRBA POLICE DISPATCH

12001 LINCOLN BLVD  
CAPE MAY, NJ 08204

SHEET TITLE

## SCHEDULES AND DETAILS

ISSUED FOR  
BIDDING  
DECEMBER 6, 2021

DRAWN	CHK'D	PROJECT NO.
KB/AB	AB/PG	20008
SHEET NO.		

A-501



GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING ELECTRICAL WORK SHOWN ON THESE DRAWINGS.
- B. THE EXTENT OF ELECTRICAL DEMOLITION SHALL BE AS NOTED ON THE DRAWINGS. SHOULD THERE BE ANY QUESTION AS TO THE DISPOSITION OF ANY EXISTING ELECTRICAL WORK, IT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. THE FINAL DISPOSITION OF SUCH WORK SHALL BE AS DIRECTED BY THE OWNER.
- C. WHEREVER EXISTING ELECTRICAL WORK IS INDICATED TO BE REMOVED, THE FOLLOWING NOTES SHALL APPLY:
1. WIRING SHALL BE REMOVED AS NOTED ON DRAWINGS.
  2. SURFACES WHICH ARE DISTURBED BY DEMOLITION UNDER THIS WORK SHALL BE PATCHED WITH MATERIALS TO MATCH THE EXISTING SURFACE. PATCHING SHALL MATCH THE EXISTING SURROUNDING SURFACES, AND SHALL BE DONE TO THE COMPLETE SATISFACTION OF THE OWNER.




GENERAL NOTES - ELECTRICAL WORK

1. DRAWINGS SHALL NOT BE SCALED.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES. THE MECHANICAL AND OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
3. WHEREVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY THE OWNER.
4. IT IS THE INTENT OF THESE DRAWINGS THAT NEW ELECTRICAL WORK TO BE INSTALLED IN FINISHED AREAS, BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. ANY AND CUTTING AND PATCHING OF SURFACES SHALL BE PROVIDED BY THE CONTRACTOR.
5. WHERE CIRCUIT AND HOMERUN LINES ARE NOT SHOWN, PROVIDE MINIMUM 2#12+1#12 GROUND + PULL STRING IN 1" CONDUIT.
6. PROVIDE PULL STRINGS IN ALL CONDUITS.
7. WHERE NEW LOADS ARE ADDED AND EXISTING LOADS REMOVED, PROVIDE UPDATED PRINTED CIRCUIT DIRECTORIES FOR PANELBOARDS TO INDICATE TYPE OF LOAD SERVED AND AREA SERVED (E.G. RECEPTACLES-OFFICE 201).
8. UNLESS NOTED OTHERWISE, EVERY CONDUIT CONTAINING 120V OR GREATER WIRING SHALL CONTAIN A SEPARATE INSULATED GROUND WIRE RATED FOR 600V.
9. ELECTRICAL PENETRATIONS FOR BOXES, DEVICES, EQUIPMENT, WIRING AND RACEWAYS IN FIRE-RESISTANCE-RATED CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. "PENETRATIONS" SECTION. PROVIDE FIRE SEALANT FOR PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO MAINTAIN THE APPLICABLE FIRE RATING.
10. PROVIDE STRUCTURAL STEEL FRAME SUPPORTS AS REQUIRED FOR DISCONNECT SWITCHES, MOTOR STARTERS, ETC., (IF DISCONNECT SWITCHES OR STARTERS ARE LOCATED ON EQUIPMENT HOUSINGS, COORDINATE LOCATIONS WITH EQUIPMENT SUPPLIER TO ENSURE SWITCHES/STARTERS ARE NOT INSTALLED ON EQUIPMENT ACCESS PANELS). MAINTAIN PROPER NATIONAL ELECTRICAL CODE CLEARANCES. IN ADDITION, MAINTAIN PROPER MECHANICAL WORKING CLEARANCES FOR SERVICING OF EQUIPMENT.
11. UNLESS INDICATED OTHERWISE, PROVIDE FINAL CONNECTIONS TO EQUIPMENT.


ELECTRICAL ABBREVIATIONS (NOT ALL USED)

A	AMPERE(S)	MS	MOTOR STARTER
ADA	AMERICAN DISABILITY ACT	NEC	NATIONAL ELECTRICAL CODE
AFF	ABOVE FINISHED FLOOR	NO	NORMALLY OPEN
AIC	AMPERES INTERRUPTING CAPACITY	NTS	NOT TO SCALE
AWG	AMERICAN WIRE GAUGE	OC	ON CENTER
C	CONDUIT	OH	OVERHEAD
CB	CIRCUIT BREAKER	OTA	OVER THE AIR
CCT	CORRELATED COLOR TEMPERATURE	Ø	PHASE
CKT	CIRCUIT	P	POLE
CLG	CEILING	PNL	PANELBOARD
DWG	DRAWING	PRI	PRIMARY
EX	EXISTING	RL	RELOCATE EXISTING
FLA	FULL LOAD AMPERES	RLA	RUNNING LOAD AMPERES
GFI	GROUND FAULT CIRCUIT INTERRUPTER	RMS	ROOT MEAN SQUARE
G/GRD	GROUND	RX	REMOVE EXISTING
HP	HORSEPOWER	SHS	SECURITY HEADEND PANEL
HZ	HERTZ	S/N	SOLID NEUTRAL
IG	ISOLATED GROUND	SPD	SURGE PROTECTIVE DEVICE
Isc	SHORT CIRCUIT INTERRUPTING CAPACITY	SWBD	SWITCHBOARD
Isc (RMS SYMMETRICAL AMPERES)		SYM	SYMMETRICAL
JB	JUNCTION BOX	TBB	TELECOMMUNICATION BACKBOARD
Kcmil	THOUSAND CIRCULAR MILLS	TELE	TELEPHONE
KV	KILOVOLTS	TYP	TYPICAL
KVA	KILO-VOLT-AMPERES	UNO	UNLESS NOTED OTHERWISE
KW	KILOWATTS	V	VOLTS
LTG	LIGHTING	VA	VOLT-AMPERE
LV	LOW VOLTAGE	W	WIRE, WATTS
MCA	MINIMUM CIRCUIT AMPACITY	WP	WEATHERPROOF
MCB	MAIN CIRCUIT BREAKER	Y	WYE CONNECTED
MCP	MOTOR CIRCUIT PROTECTOR	1P	SINGLE POLE
MH	MOUNTING HEIGHT	2P	DOUBLE POLE
MISC	MISCELLANEOUS	3P	THREE POLE
MLO	MAIN LUGS ONLY	4P	FOUR POLE
MOCB	MAXIMUM OVER-CURRENT PROTECTION DEVICE		






FIRE ALARM SYSTEM LEGEND

	HORN-STROBE COMBINATION
	STROBE
	SMOKE DETECTOR


















COMMUNICATIONS LEGEND

	SINGLE GANG BOX, WALL MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE. PROVIDE PULL STRING IN 1" CONDUIT TO ABOVE ACCESSIBLE CEILING.
---	--

GENERAL SYMBOLS

	SPECIFIC DEMOLITION NOTE
	SPECIFIC NEW WORK NOTE
	REVISION NUMBER TAG
	REVISION CLOUD
	NORTH ARROW

ELECTRICAL LEGEND

	LIGHTING FIXTURE
	EXIT SIGN, SINGLE OR DUAL FACE: CEILING MOUNTED; WALL MOUNT AT 7'-6" A.F.F. UNLESS NOTED OTHERWISE. PROVIDE WITH INTEGRAL HEADS. SHADING INDICATES NUMBER OF FACES.
	SINGLE POLE SWITCH, MOUNT AT 46" A.F.F. U.N.O.
	3-WAY SWITCH, MOUNT AT 46" A.F.F. U.N.O.
	3-WAY KEYED SWITCH
	DIMMER WITH 3-WAY SWITCH, MOUNT AT 46" A.F.F. U.N.O.
	DIMMER, MOUNT AT 46" A.F.F. U.N.O.
	COMBINATION TYPE WALL BOX OCCUPANCY/VACANCY SENSOR, MOUNT AT 46" A.F.F. U.N.O.
	125V-20A DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R, MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE
	125V-20A DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R, MOUNT AT 9" ABOVE COUNTER UNLESS NOTED OTHERWISE
	125V-20A QUAD RECEPTACLE, NEMA CONFIGURATION 5-20R, MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE
	125V-20A DUPLEX RECEPTACLE, NEMA CONFIGURATION 5-20R, MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE G = GROUND FAULT CIRCUIT INTERRUPTER WP = WEATHERPROOF WHILE-IN-USE DIE-CAST ALUMINUM COVER
	JUNCTION BOX OR DEVICE BOX
	PANELBOARD
	HOMERUN TO PANELBOARD: A-1,3
	ARROWS INDICATE QUANTITY OF CIRCUITS.
	NOTATION INDICATES PANELBOARD AND CIRCUIT NUMBER TO WHICH CIRCUITS ARE TO BE EXTENDED.

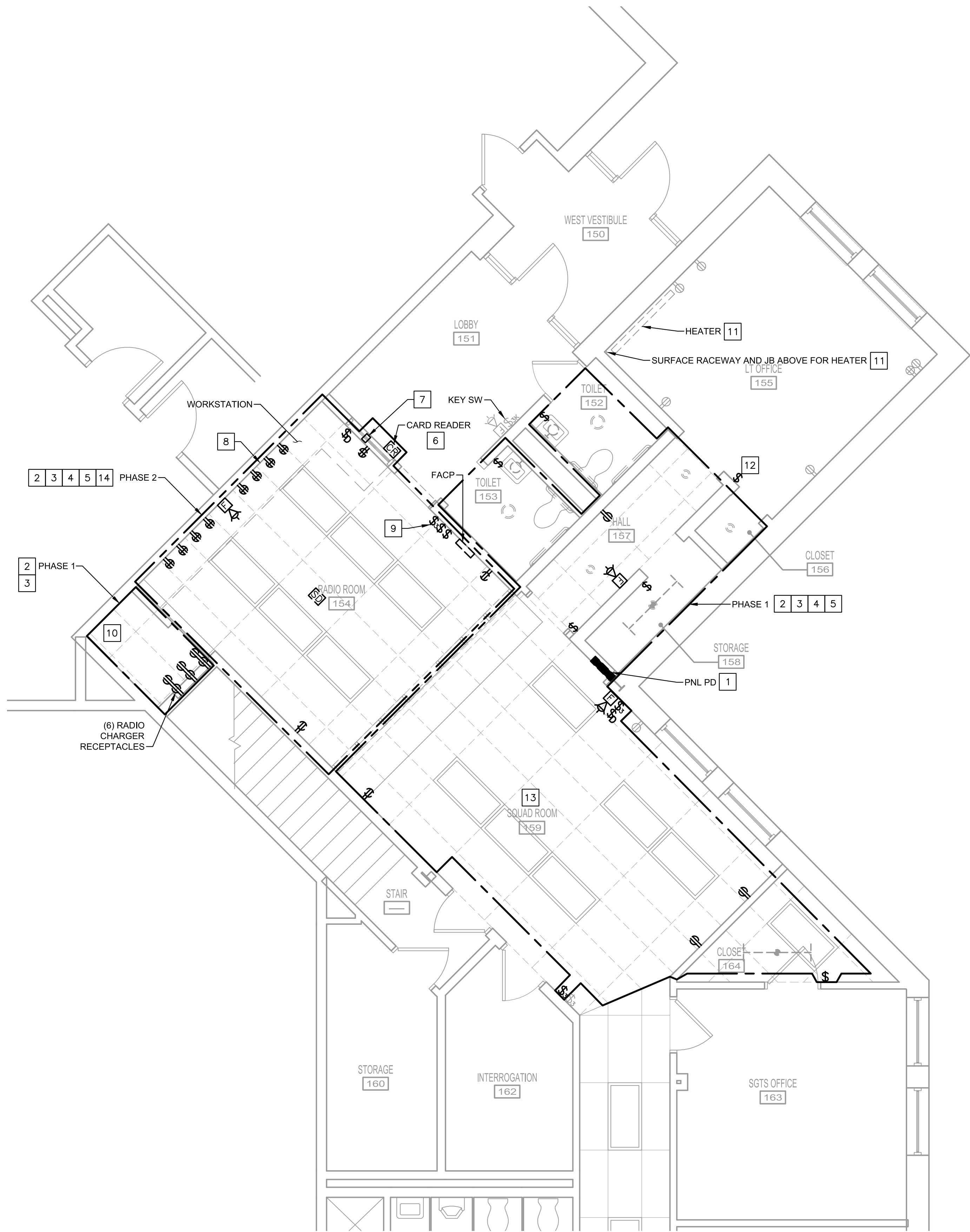
SUGGESTED CONSTRUCTION SEQUENCE

- CONSTRUCTION SHALL BE IN A PHASED APPROACH, IN ORDER TO MAINTAIN CONTINUITY OF DISPATCH CENTER IN OPERATION. THE TWO MAJOR CONSTRUCTION PHASES ARE RENOVATE THE NON-RADIO ROOM SPACES WHILE KEEPING EXISTING DISPATCH EQUIPMENT IN RADIO ROOM SERVICE AND RENOVATE THE RADIO ROOM. COORDINATE AND SCHEDULE OUTAGES WITH THE AUTHORITY. THE FOLLOWING IS A SUGGESTED SEQUENCE OF GENERAL CONSTRUCTION ACTIVITIES:
1. INSTALL NEW PANEL PD AND TRANSFER REMAINING CIRCUITS TO PANEL. MAINTAIN EXISTING PANEL PD IN SERVICE UNTIL CIRCUITS HAVE BEEN TRANSFERRED.
  2. INSTALL LIGHTING IN NEW CLOSET 155A.
  3. INSTALL RECEPTACLES AND BOXES IN SQUAD ROOM FOR TEMPORARY WORKSTATION AND WALL-MOUNTED DISPLAYS.
  4. REMOVE LIGHTING IN SPACE DESIGNATED AS NEW STORAGE 154A. INSTALL LIGHTING AND RECEPTACLE IN NEW STORAGE 154A. INSTALL NEW DISPATCH EQUIPMENT RACK (BY VENDOR).
  5. INSTALL TEMPORARY CABLING FROM DISPATCH EQUIPMENT RACK TO SQUAD ROOM (BY VENDOR).
  6. INSTALL DATA CABLING FROM EXISTING IT EQUIPMENT TO DISPATCH EQUIPMENT RACK AND TO TEMPORARY WORKSTATION (BY AUTHORITY IT DEPARTMENT).
  7. PERFORM TESTING AND CUTOVER TO TEMPORARY WORKSTATION AND WALL-MOUNTED DISPLAYS.
  8. PERFORM DEMOLITION WORK IN AREAS DESIGNATED AS PHASE 1, EXCEPT FOR NEW STORAGE 154A THAT DEMOLITION WORK WAS DONE IN PREVIOUS STEP ABOVE.
  9. PERFORM RENOVATION WORK IN AREAS DESIGNATED AS PHASE 1, EXCEPT FOR NEW STORAGE 154A THAT DEMOLITION WORK WAS DONE IN PREVIOUS STEP ABOVE.
  10. PERFORM DEMOLITION WORK IN RADIO ROOM 154 THAT IS DESIGNATED AS PHASE 2.
  11. PERFORM RENOVATION WORK IN RADIO ROOM 154 THAT IS DESIGNATED AS PHASE 2.
  12. INSTALL RECEPTACLES AND BOXES IN RADIO ROOM 154 FOR BOTH WORKSTATIONS AND WALL-MOUNTED DISPLAY.
  13. RELOCATE WORKSTATION AND DISPLAY FROM SQUAD ROOM TO RADIO ROOM 154 (BY VENDOR)
  14. ASSIST VENDOR AND AUTHORITY FOR REMOVAL OF TEMPORARY CABLING AND SUPPORTS. REMOVE TEMPORARY RECEPTACLES AND BOXES.
  15. INSTALL LOW-VOLTAGE CABLING FOR DISPATCH EQUIPMENT, WORKSTATIONS, AND WALL-MOUNTED DISPLAY (BY VENDOR AND AUTHORITY IT DEPARTMENT).
  16. PERFORM WALL/CEILING REPAIRS AND CLEANUP.

PANEL NAME EXISTING CONDITION PD			TYPE: GE TYPE A SERIES CIRCUIT BREAKER MOUNTING SPACE: 42 MAIN BUS RATING: 125 AMPS MAIN LUG ONLY				LOCATION: SQUAD RM 159 VOLTAGE: 208Y/120V, 3-PHASE, 4-WIRE PANEL MOUNTING: RECESSED PANEL ENCLOSURE (NEMA): 1 PANEL MIN. A. I. C. RATING: 10K									
CIR. No.	DESCRIPTION	NOTE	CIR. BKR.	WIRE & CONDUIT	LOAD - VA			LOAD - VA			WIRE & CONDUIT	CIR. BKR.	NOTE	DESCRIPTION	CIR. No.	
					AØ	BØ	CØ	AØ	BØ	CØ						
1	LIGHT SQUAD RM		20/1	EXISTING							EXISTING	20/1		REC RADIO RM	2	
3	LIGHT RADIO RM		20/1	EXISTING							EXISTING	20/1		REC RADIO RM	4	
5	LIGHT LOBBY		20/1	EXISTING							EXISTING	20/1		REC DOOR ALARM	6	
7	LIGHT LIEUTENANT'S OFFICE		20/1	EXISTING							EXISTING	20/1		REC RADIO RM	8	
9	LIGHT ENTRANCE		20/1	EXISTING							EXISTING	20/1		REC RADIO RM	10	
11	LIGHT SERGEANT'S OFFICE		20/1	EXISTING							EXISTING	20/2		HAND DRYER WOMEN'S LOCKER	12	
13	LIGHT BACK ENTRANCE		20/1	EXISTING							EXISTING	-		-	14	
15	LIGHT CORRIDOR		20/1	EXISTING							EXISTING	20/2		HAND DRYER MEN'S LOCKER	16	
17	LIGHT WOMEN'S LOCKER RM		20/1	EXISTING							EXISTING	-		-	18	
19	REC STONE RM		20/1	EXISTING							EXISTING	20/1		MXL	20	
21	LIGHT MEN'S LOCKER RM		20/1	EXISTING							EXISTING	20/1		POD	22	
23	LIGHT INTERROGATION RM		20/1	EXISTING							EXISTING	20/1		UNIT HEATER REAR ENTRANCE	24	
25	REC SQUAD RM		20/1	EXISTING							EXISTING	20/1		SPARE WOMEN'S LOCKER CEILING	26	
27	REC LOBBY		20/1	EXISTING							EXISTING	20/1		SPARE WAREHOUSE CEILING	28	
29	REC INTERROGATION RM		20/1	EXISTING							EXISTING	20/1		SPARE COMMANDER'S CLOSET CEIL.	30	
31	REC SERGEANT'S RM		20/1	EXISTING							EXISTING	20/1		SPARE FRONT ENTRANCE	32	
33	REC MEN'S LOCKER RM		20/1	EXISTING								20/1		SPARE	34	
35	REC WOMEN'S LOCKER RM		20/1	EXISTING								20/1		SPARE	36	
37	REC RADIO SHELF		20/1	EXISTING								20/1		SPARE	38	
39	REC RADIO SHELF		20/1	EXISTING								20/2		CIRCUIT TO FRONT PD ENTRANCE	40	
41	SPARE		20/1								EXISTING	-		-	42	
CONNECTED LOAD:					0	0	0	0	0	0	X ISOLATED NEUTRAL BUS X EQUIPMENT GROUND BUS NOTES: GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC.					
AØ			0.00 KVA													
BØ			0.00 KVA													
CØ			0.00 KVA													
TOTAL			0.00 KVA			0.00 A										
DMD			0.00 KVA			0.00 A										

PANEL NAME NEW PD			TYPE: SQUARE D TYPE NQ CIRCUIT BREAKER MOUNTING SPACE: 42 MAIN BUS RATING: 125 AMPS MAIN LUG ONLY				LOCATION: HALL 157 VOLTAGE: 208Y/120V, 3-PHASE, 4-WIRE PANEL MOUNTING: RECESSED PANEL ENCLOSURE (NEMA): 1 PANEL MIN. A. I. C. RATING: 10K									
CIR. No.	DESCRIPTION	NOTE	CIR BKR.	WIRE & CONDUIT	LOAD - VA			LOAD - VA			CIR BKR.	NOTE	DESCRIPTION	CIR No.		
					AØ	BØ	CØ	AØ	BØ	CØ						
1	LIGHT SQUAD RM	2	20/1	2#12, 1#12G IN 1" C	270			480			20/1	2	REC RADIO RM WORKSTATION	2		
3	LIGHT RADIO RM	2	20/1	2#12, 1#12G IN 1" C		270			480		20/1	2	REC RADIO RM WORKSTATION	4		
5	LIGHT LOBBY	1	20/1	EXTEND EXISTING			300			100	20/1	1	REC DOOR ALARM	6		
7	LIGHT LIEUTENANT'S OFFICE	1	20/1	EXTEND EXISTING	232			180			20/1	2	REC RADIO RM INTERCOM	8		
9	LIGHT ENTRANCE	1	20/1	EXTEND EXISTING		100			360		20/1	2	REC RADIO RM	10		
11	LIGHT SERGEANT'S OFFICE	1	20/1	EXTEND EXISTING			232			480	20/2	1	HAND DRYER WOMEN'S LOCKER	12		
13	LIGHT BACK ENTRANCE	1	20/1	EXTEND EXISTING	100			480			EXTEND EXISTING	* 1	*	14		
15	LIGHT CORRIDOR	1	20/1	EXTEND EXISTING		580			480		EXTEND EXISTING	20/2 1	HAND DRYER MEN'S LOCKER	16		
17	LIGHT WOMEN'S LOCKER RM	1	20/1	EXTEND EXISTING			232			480	EXTEND EXISTING	* 1	*	18		
19	REC STONE RM	1	20/1	EXTEND EXISTING	180			200			EXTEND EXISTING	20/1 1	MXL	20		
21	LIGHT MEN'S LOCKER RM	1	20/1	EXTEND EXISTING		232			720		EXTEND EXISTING	20/1 1	POD	22		
23	LIGHT INTERROGATION RM	1	20/1	EXTEND EXISTING			100			1500	EXTEND EXISTING	20/1 1	UNIT HEATER REAR ENTRANCE	24		
25	REC SQUAD RM	2	20/1	2#12, 1#12G IN 1" C	360			180			EXTEND EXISTING	20/1 1	SPARE WOMEN'S LOCKER CEILING	26		
27	REC LOBBY	1	20/1	EXTEND EXISTING		180			180		EXTEND EXISTING	20/1 1	SPARE WAREHOUSE CEILING	28		
29	REC INTERROGATION RM	1	20/1	EXTEND EXISTING			180			180	EXTEND EXISTING	20/1 1	SPARE COMMANDER'S CLOSET CEIL.	30		
31	REC SERGEANT'S RM	1	20/1	EXTEND EXISTING	720			180			EXTEND EXISTING	20/1 1	SPARE FRONT ENTRANCE	32		
33	REC MEN'S LOCKER RM	1	20/1	EXTEND EXISTING		180			720		2#12, 1#12G IN 1" C	20/1 2	REC CLOSET 164, SQUAD RM	34		
35	REC WOMEN'S LOCKER RM	1	20/1	EXTEND EXISTING			180			480	2#12, 1#12G IN 1" C	20/1 2	REC RADIO ROOM DISPLAYS	36		
37	REC RADIO CHARGER	2	20/1	2#12, 1#12G IN 1" C	540						20/1 1	SPARE		38		
39	REC RADIO CHARGER	2	20/1	2#12, 1#12G IN 1" C		540				500	EXTEND EXISTING	20/2 1	CIRCUIT TO FRONT PD ENTRANCE	40		
41	SPARE	1	20/1							500	EXTEND EXISTING	* 1	*	42		
					2402	2082	1224	1700	3440	3720						
CONNECTED LOAD:																
AØ 4.10 KVA					X ISOLATED NEUTRAL BUS											
BØ 5.52 KVA					X EQUIPMENT GROUND BUS											
CØ 4.94 KVA					NOTES: GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC. BALANCE ALL PHASES.											
1. EXISTING LOAD. EXTEND EXISTING CIRCUIT TO NEW LOCATION.																
2. PROVIDE NEW CONNECTION.																
TOTAL 14.57 KVA					40.44 A											
DMD 9.47 KVA					26.28 A											





WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH OTHER  
INSTALLATIONS.

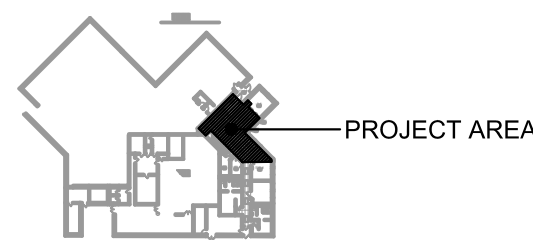
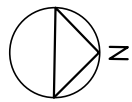
- DRAWING NOTES:**
- UNLESS NOTED OTHERWISE, EXISTING LIGHTING, EQUIPMENT, AND DEVICES SHALL REMAIN.
  - COORDINATE ELECTRICAL DEMOLITION WORK WITH HVAC EQUIPMENT DEMOLITION WORK.
  - COORDINATE AND SCHEDULE WITH AUTHORITY FOR ANY INTERRUPTION.
  - MAINTAIN CIRCUIT CONTINUITY FOR REMAINING RECEPTACLES AND LIGHTING FIXTURES THAT ARE ON THE SAME CIRCUITS WITH THOSE THAT ARE INDICATED TO BE DEMOLISHED.

**REFERENCED NOTES (APPLY TO THIS  
DRAWING WHERE INDICATED):**

- ONCE NEW PANEL IS INSTALLED, DISCONNECT AND REMOVE PANEL PD. PULL REMAINING WIRING UP TO ACCESSIBLE CEILING TO ALLOW FOR RECONNECTION TO NEW PANEL.
- DISCONNECT AND REMOVE LIGHTING FIXTURES. REMOVE ASSOCIATED LIGHT SWITCHES. REMOVE WIRING AND CONDUITS BACK TO SOURCE.
- DISCONNECT AND REMOVE RECEPTACLES. REMOVE ASSOCIATED WIRING AND CONDUITS BACK TO SOURCE.
- DISCONNECT AND REMOVE LOW-VOLTAGE JACKS. REMOVE ASSOCIATED CABLING AND CONDUITS BACK TO SOURCE.
- RELOCATION WORK FOR FIRE ALARM CONTROL PANEL AND ASSOCIATED CABLING BY OTHERS.
- DEMOLITION WORK FOR CARD READER, DOOR LOCK, DOOR RELEASE BUTTON, AND ASSOCIATED CABLING BY OTHERS.
- DEMOLITION WORK FOR INTERCOM SYSTEM ON WINDOW AND ASSOCIATED CABLING BY OTHERS.
- TEMPORARILY MAINTAIN DISPATCH EQUIPMENT OPERATION UNTIL CUT OVER TO TEMPORARY WORKSTATION IN SQUAD ROOM.
- THIS SWITCH IS WORKING IN CONJUNCTION WITH KEY SWITCH IN LOBBY FOR LOBBY LIGHTING. DISCONNECT, REMOVE, AND INSTALLED NEW SWITCH SHOWN ON LIGHTING PLAN TO KEEP LOBBY LIGHTING IN OPERATION.
- COORDINATE WITH AUTHORITY AND DISPATCH EQUIPMENT VENDOR TO PREPARE THIS AREA FOR NEW EQUIPMENT RACK.
- DISCONNECT ELECTRIC BASEBOARD HEATER. DETACH FIN TUBE BASEBOARD RADIATION'S CONTROL CABLING SUPPORTED ON THE ELECTRIC BASEBOARD HEATER'S SURFACE RACEWAY. REMOVE ELECTRIC BASEBOARD HEATER'S WIRING AND SURFACE RACEWAY BACK TO JUNCTION BOX MOUNTED HIGH ON WALL. COORDINATE WITH MECHANICAL TO REROUTE FIN TUBE BASEBOARD RADIATION'S CONTROL CABLING.
- DISCONNECT AND REMOVE LIGHT SWITCH. RETAIN WIRING FOR RECONNECTION. PROTECT WIRING DURING PARTIAL WALL DEMOLITION.
- COORDINATE WITH AUTHORITY AND DISPATCH EQUIPMENT VENDOR TO PREPARE THIS AREA FOR TEMPORARY WORKSTATION AND WALL-MOUNTED DISPLAY INSTALLATION.
- REMOVE WIRING AND CONDUITS FOUND UNDER RAISED FLOOR. REROUTE ANY REMAINING CIRCUIT VIA WALLS AND ACCESSIBLE CEILING.

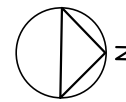
**1  
E-100** **ELECTRICAL DEMOLITION PLAN**

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



**KEY PLAN**

SCALE: NONE



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CONSULTING ENGINEERS - PLANNERS  
PLAZA 273, 56 W. MAIN STREET,  
SUITE 100-A, NEWARK, DE 19702  
Phone: (302) 525-6022 Fax: (443) 589-2401  
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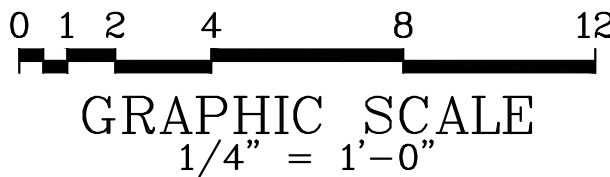
DELAWARE RIVER AND BAY AUTHORITY  
CAPE MAY – LEWES FERRY

CONTRACT NO. CMLF-C19-06  
TERMINAL POLICE AND ADMINISTRATION  
BUILDING – DISPATCH CENTER REHAB

**ELECTRICAL DEMOLITION  
PLAN**

**E-100**

DATE: JANUARY 2022    SCALE: AS NOTED    SHEET NO. 20



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



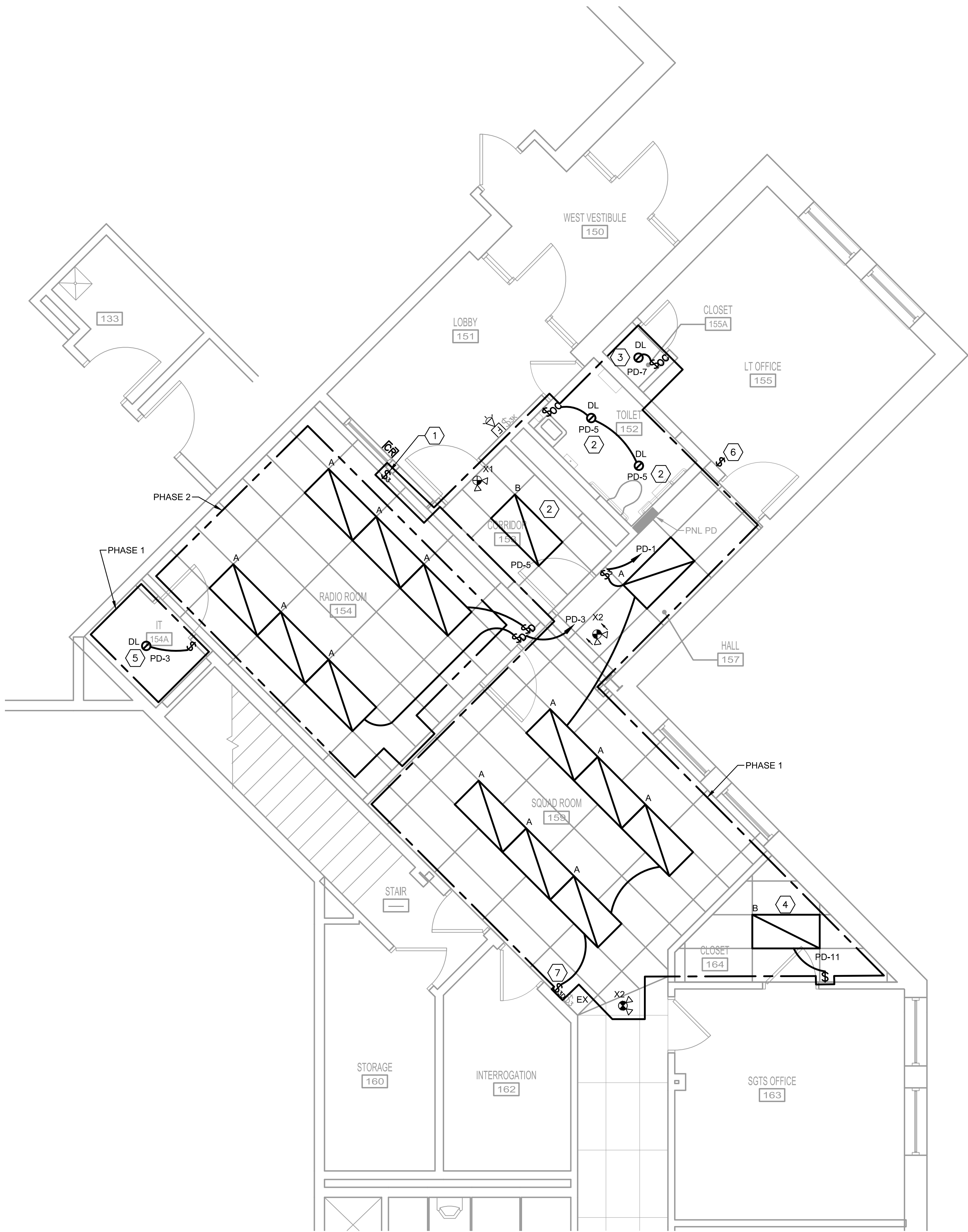
WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH OTHER  
INSTALLATIONS.

DRAWINGS NOTES:

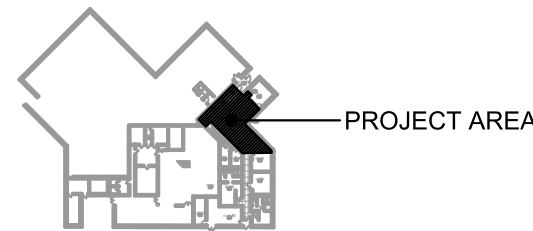
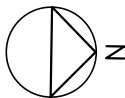
- COORDINATE WITH CEILING INSTALLATION.
- CONNECT EXIT SIGNS TO THE SAME CIRCUIT SERVING AREAS AHEAD OF ANY SWITCHING DEVICES.

SPECIFIC NOTES (APPLY TO THIS  
DRAWING WHERE INDICATED):

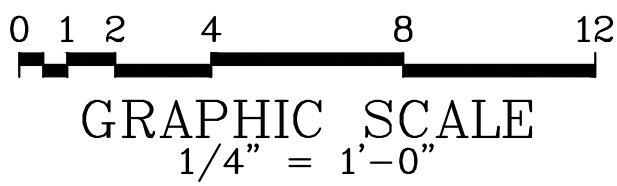
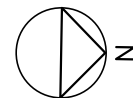
- CONNECT TO CONTROL EXISTING LOBBY LIGHTING FIXTURES.
- CONNECT TO EXISTING LOBBY LIGHTING CIRCUIT INDICATED.
- CONNECT TO EXISTING LT OFFICE'S LIGHTING CIRCUIT INDICATED.
- CONNECT TO EXISTING SGTS OFFICE'S LIGHTING CIRCUIT INDICATED.
- CONNECT TO EXISTING RADIO ROOM'S LIGHTING CIRCUIT INDICATED.
- PROVIDE LIGHT SWITCH AND CONNECT TO EXISTING CIRCUIT WIRING.
- PROVIDE DOUBLE GANG WALL PLATE FOR NEW DIMMER AND EXISTING LIGHT SWITCH.



**1**  
**E-101** **LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"



**KEY PLAN**  
SCALE: NONE



REVISION			
NO.	DATE	DESCRIPTION	BY

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SUITE 100-A, NEWARK, DE 19702  
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CAPE MAY – LEWES FERRY

CONTRACT NO. CMLF–C19–06  
TERMINAL POLICE AND ADMINISTRATION  
BUILDING – DISPATCH CENTER REHAB

LIGHTING PLAN

E–101

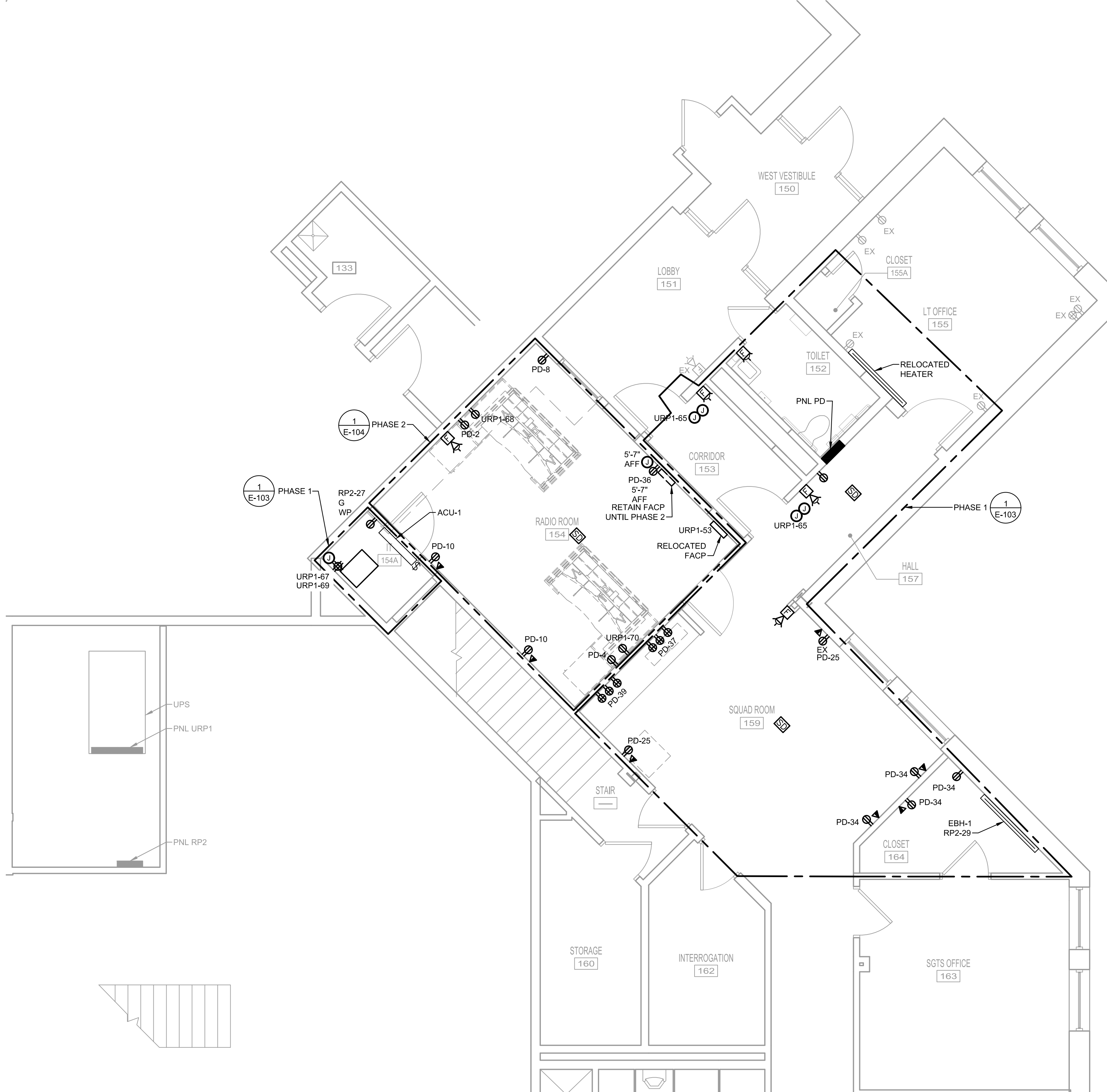
DATE: JANUARY 2022    SCALE: AS NOTED    SHEET NO. 21



WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH OTHER  
INSTALLATIONS.

### DRAWING NOTES:

1. REFER TO PHASE 1 AND PHASE 2 PLANS FOR SPECIFIC NOTES.
2. REFER TO E-105 FOR SECURITY ACCESS SYSTEM REQUIREMENTS.



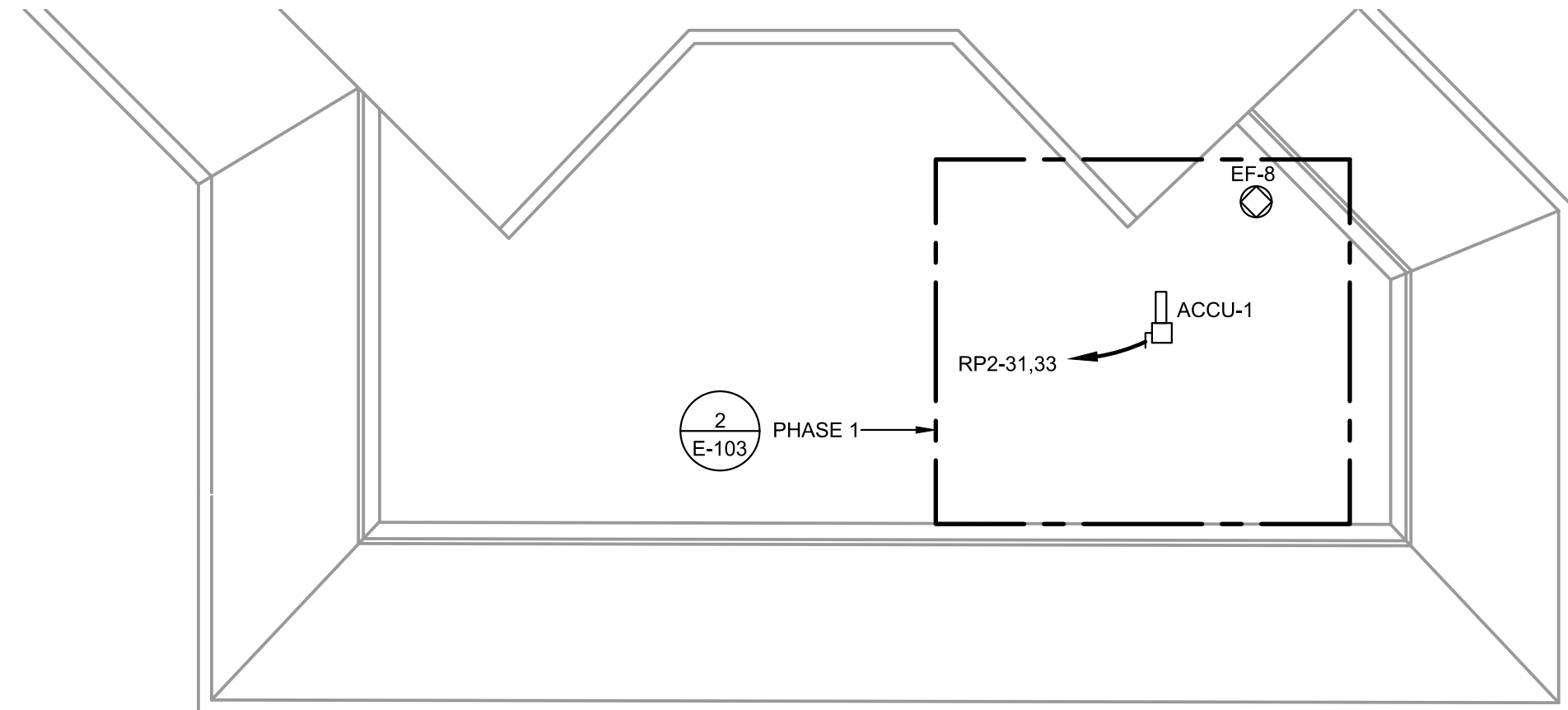
**1** **POWER AND LOW-VOLTAGE PLANS - OVERALL**  
**E-102** SCALE: 1/4" = 1'-0"



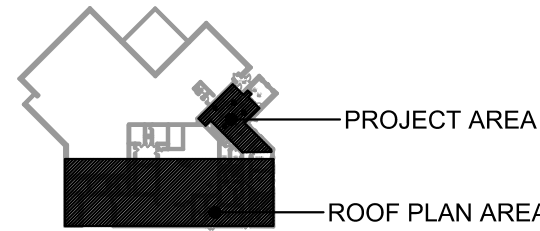
GRAPHIC SCALE  
1/16" = 1'-0"



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



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



**KEY PLAN**  
SCALE: NONE



DELAWARE RIVER AND BAY AUTHORITY  
CAPE MAY – LEWES FERRY

CONTRACT NO. CMLF-C19-06  
TERMINAL POLICE AND ADMINISTRATION  
BUILDING - DISPATCH CENTER REHAB

## POWER AND LOW-VOLTAGE PLANS - OVERALL

E-102 |

DATE: JANUARY 2022

SCALE: AS NOTED

SHEET NO.

22

REVISION			
NO.	DATE	DESCRIPTION	BY

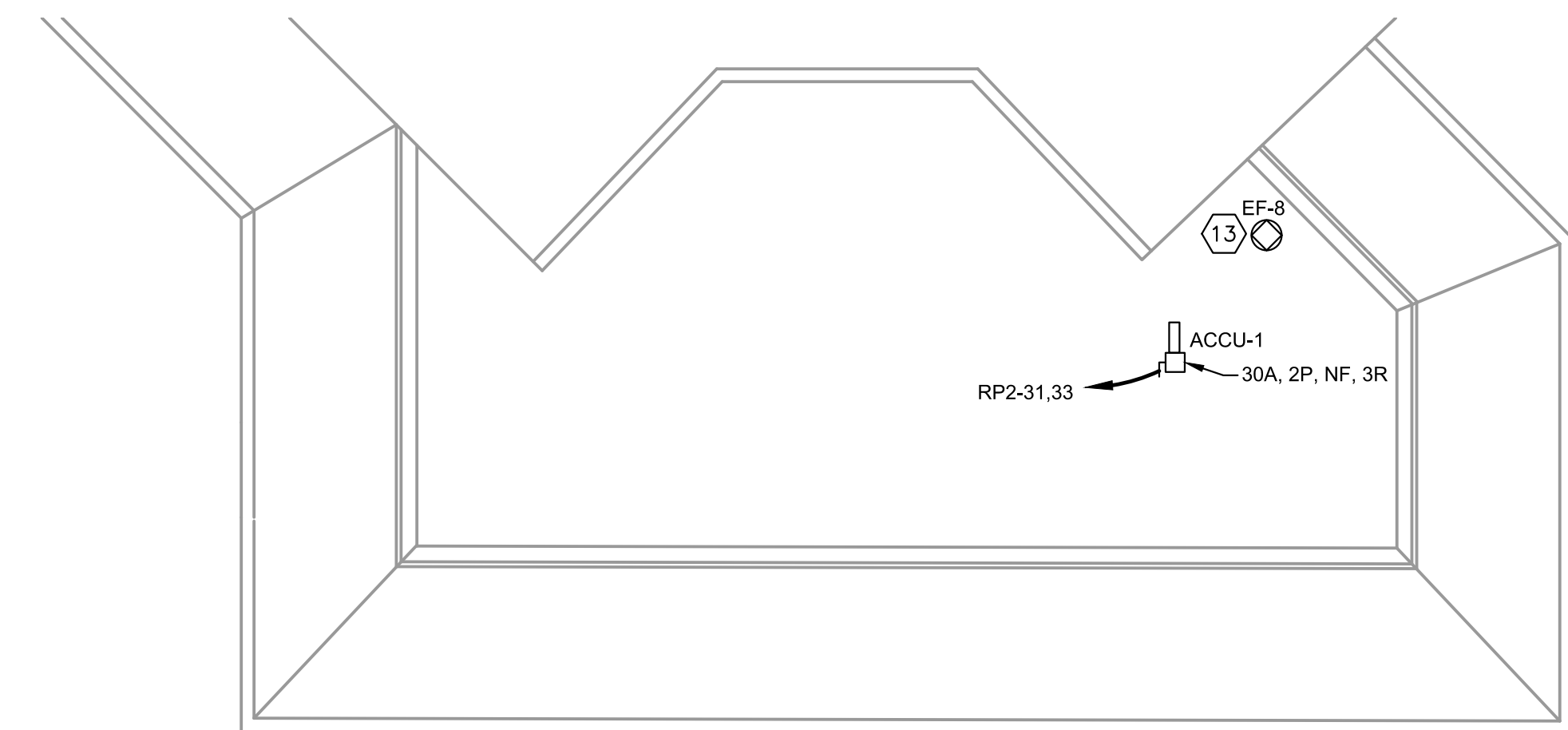
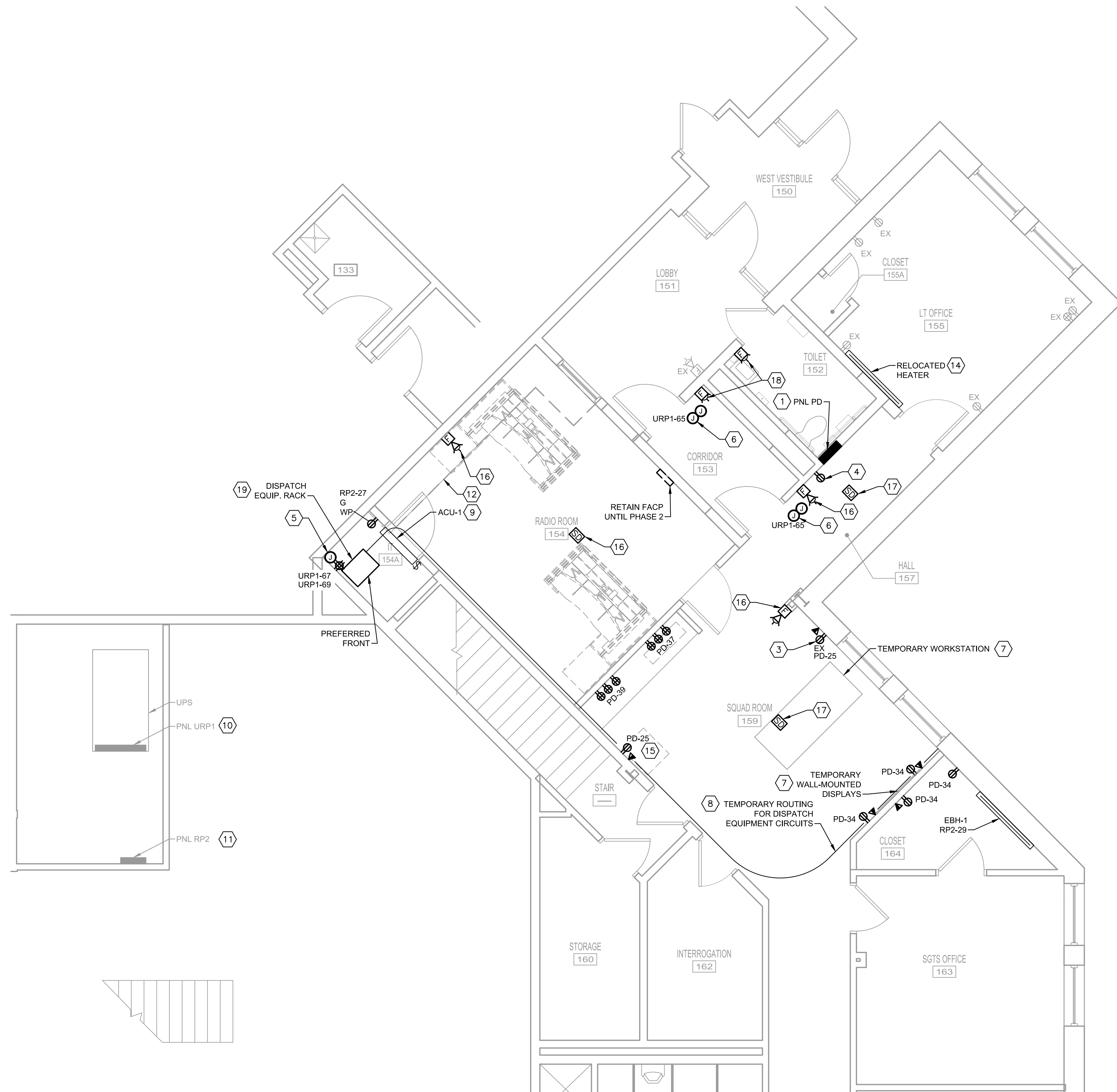
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WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH OTHER  
INSTALLATIONS.

**SPECIFIC NOTES (APPLY TO THIS DRAWING WHERE INDICATED):**

- 1 TRANSFER ALL EXISTING CIRCUITS TO THIS PANEL PRIOR TO REMOVING EXISTING PANEL. INTERCEPT EXISTING FEEDER AND BRANCH CIRCUITS WITH JUNCTION BOXES ABOVE ACCESSIBLE CEILING. PROVIDE WIRING AND CONDUITS TO EXTEND CIRCUITS TO THIS PANEL. COORDINATE WITH DUCTWORK AND PIPING INSTALLATIONS.
- 2 RECESSED BOX WITH CABLE-THROUGH COVER PLATE FOR WALL-MOUNTED DISPLAY. FIELD VERIFY AND COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH DISPATCH EQUIPMENT VENDOR (ACTIVU).
- 3 REPLACE RECEPTACLE AND COVER PLATE.
- 4 CONNECT TO EXISTING RECEPTACLE CIRCUIT SERVING THE AREA. EXTEND EXISTING CIRCUIT WIRING AS REQUIRED.
- 5 PROVIDE PULL BOX FOR DATA CABLING.
- 6 PROVIDE POWER AND SECURITY BOXES ABOVE ACCESSIBLE CEILING FOR DOOR SECURITY SYSTEM CONNECTIONS.
- 7 UTILIZE EXISTING RECEPTACLES FOR TEMPORARY WORKSTATION AND WALL-MOUNTED DISPLAY. WORKSTATION AND WALL-MOUNTED DISPLAYS SHALL BE RELOCATED TO RADIO ROOM IN PHASE 2. COORDINATE ALL WORKS WITH AUTHORITY AND DISPATCH EQUIPMENT VENDOR.
- 8 ALL CABLING SHALL BE PROVIDED BY DISPATCH EQUIPMENT VENDOR.
- 9 CONNECT INDOOR UNIT TO OUTDOOR UNIT WITH #3/12, 1#1/2 IN3/4" VIA SWITCH.
- 10 CONNECT DISPATCH EQUIPMENT RACK'S RECEPTACLES AND DOOR SECURITY EQUIPMENT TO EXISTING 20A/1P CIRCUIT BREAKERS INDICATED. UPDATE CIRCUIT DIRECTORY.
- 11 CONNECT CONDENSATE PUMP RECEPTACLE AND EBH-1 TO EXISTING 20A/1P CIRCUIT BREAKERS INDICATED. PROVIDE 30A/2P CIRCUIT BREAKER IN AVAILABLE SLOTS FOR OUTDOOR UNIT ACCU-1. UPDATE CIRCUIT DIRECTORY.
- 12 TEMPORARILY MAINTAIN EXISTING WORKSTATION AND WALL-MOUNTED DISPLAYS OPERATIONAL UNTIL CUTOVER.
- 13 DISCONNECT EXISTING TO ALLOW FOR FAN REPLACEMENT. REPLACE EXISTING WIRING BACK TO PANEL IN ELECTRICAL ROOM BELOW. WIRING SHALL BE #3/12, 1#1/2 IN EXISTING 3/4" CONDUIT. CONNECT TO MECHANICAL PROVIDED DISCONNECT AND DRIVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 14 EXTEND EXISTING CIRCUIT IN JUNCTION BOX TO RELOCATED ELECTRIC BASEBOARD HEATER WITH #2/12, 1#1/2 IN METAL SURFACE RACEWAY.
- 15 PROVIDE TEMPORARY 20A POWER STRIP WITH (6) RECEPTACLES FOR RADIO CHARGERS. COORDINATE WITH OWNER FOR EXACT LOCATION.
- 16 REINSTALLATION OF FIRE ALARM DEVICE / APPLIANCE AND ASSOCIATED CABLING BY OTHERS.
- 17 FIRE ALARM DEVICE AND ASSOCIATED CABLING BY OTHERS.
- 18 FIRE ALARM STROBE AND ASSOCIATED CABLING BY OTHERS.
- 19 COORDINATE WITH DISPATCH EQUIPMENT VENDOR TO REQUIRE 36" CLEARANCE FROM FRONT AND 24" CLEARANCE ON ON SIDE.

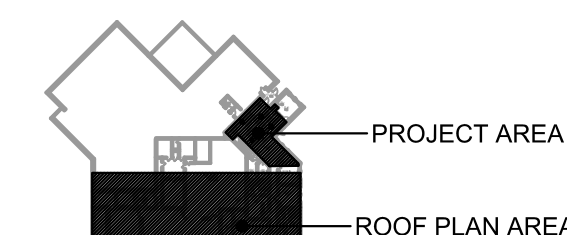


2  
E-103

**ROOF PLAN**

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





**KEY PLAN**  
SCALE: NONE



# DELAWARE RIVER AND BAY AUTHORITY CAPE MAY – LEWES FERRY

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BUILDING - DISPATCH CENTER REHAB

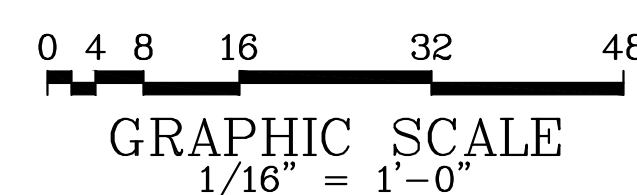
POWER AND LOW-VOLTAGE PLANS – PHASE 1	E-103
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E-103

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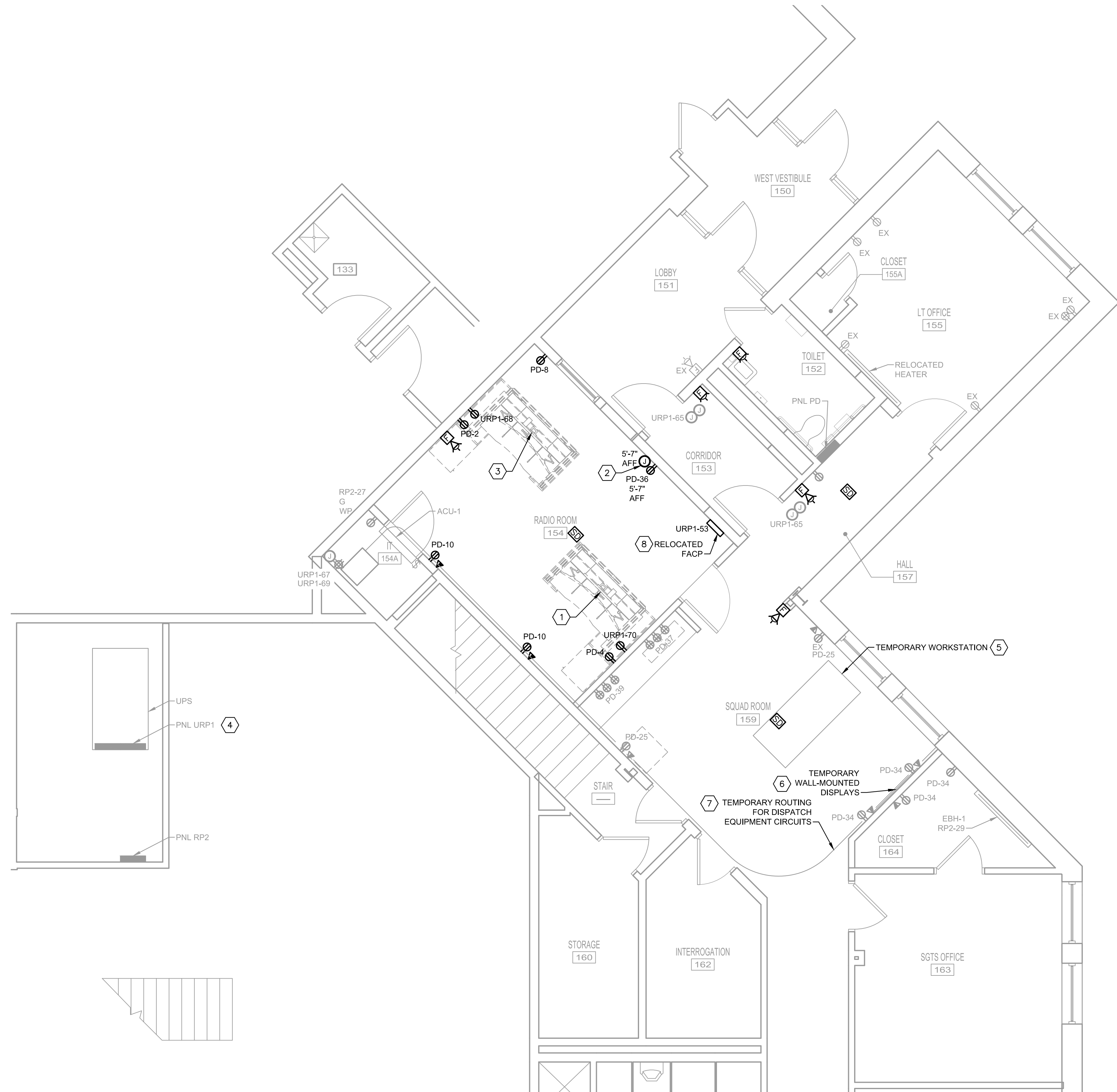




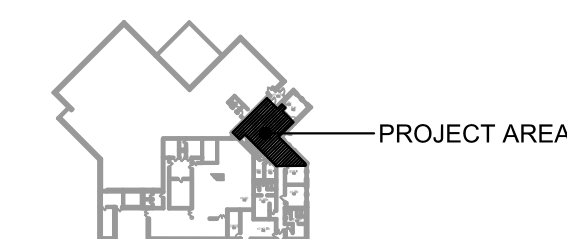
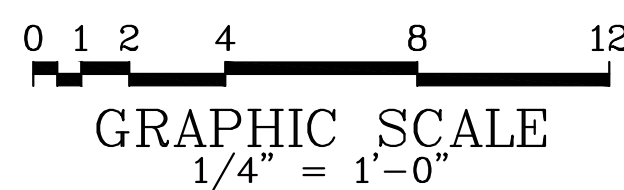
WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH OTHER  
INSTALLATIONS.

**SPECIFIC NOTES: (APPLY TO THIS  
DRAWING WHERE INDICATED):**

1. INSTALL RECEPTACLES FOR THIS WORKSTATION PRIOR TO REMOVING EXISTING WORKSTATION.
2. RECESSED BOX WITH CABLE-THROUGH COVER PLATE FOR WALL-MOUNTED DISPLAY, FIELD VERIFIED AND COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH DISPATCH EQUIPMENT VENDOR.
3. ONCE EXISTING WORKSTATION REMOVED, INSTALL RECEPTACLES FOR THIS RELOCATED WORKSTATION FROM SQUAD ROOM.
4. CONNECT WORKSTATION'S RECEPTACLES TO EXISTING 20A/1P CIRCUIT BREAKERS INDICATED. UPDATE CIRCUIT DIRECTORY.
5. RELOCATE TEMPORARY WORKSTATION TO RADIO ROOM.
6. RELOCATE DISPLAYS TO RADIO ROOM.
7. REMOVE TEMPORARY CABLING.
8. RELOCATION WORK FOR FIRE ALARM CONTROL PANEL AND ASSOCIATED CABLING BY OTHERS.



**1**  
**E-104** **POWER AND LOW-VOLTAGE PLAN - PHASE 2**  
SCALE: 1/4" = 1'-0"



**KEY PLAN**  
SCALE: NONE

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BUILDING - DISPATCH CENTER REHAB

POWER AND  
LOW-VOLTAGE PLAN -  
PHASE 2

E-104

DATE: JANUARY 2022

SCALE: AS NOTED

SHEET NO. 24



SECURITY ACCESS LEGEND

- CR

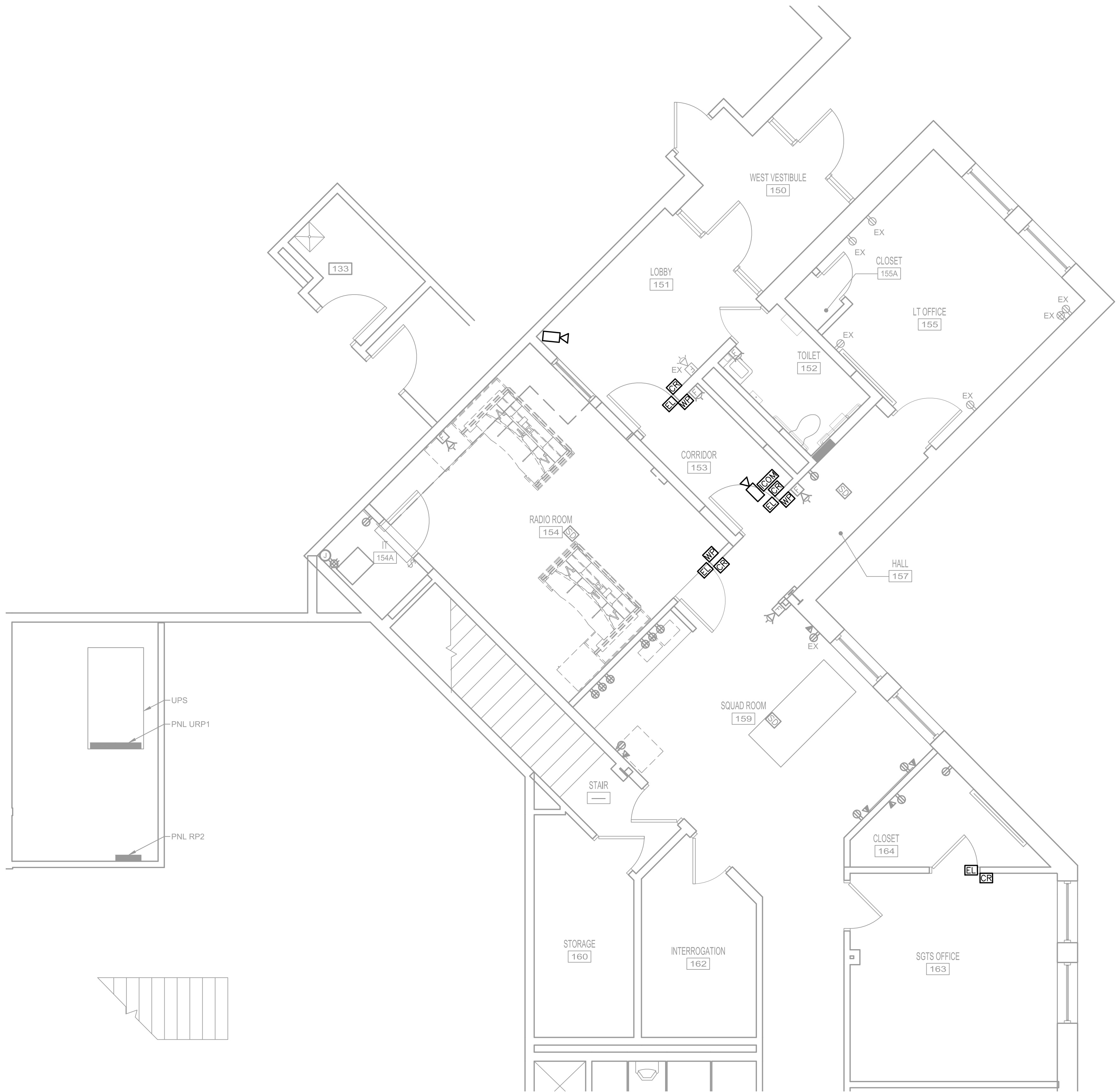
CARD READER
- WP

WAVE PLATE
- EL

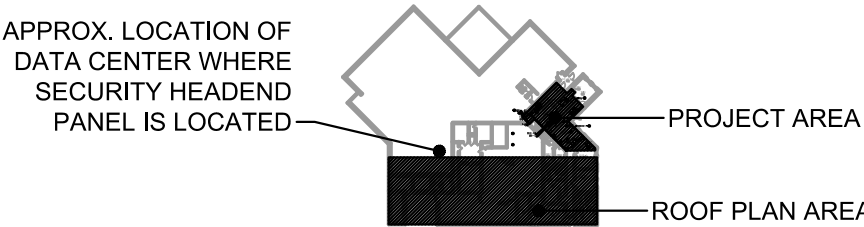
ELECTRIC LOCK / STRIKE
- ICOM

VIDEO INTERCOM SYSTEM WITH CAMERA, MICROPHONE AND SPEAKER
- IP CAMERA, DOME TYPE

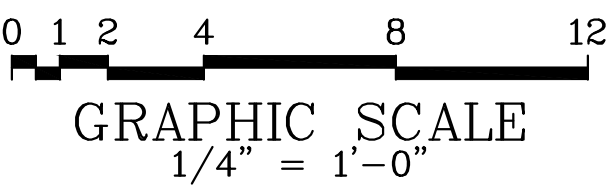
SECURITY ACCESS SYSTEM COMPONENTS.  
RELATED CABLING AND CONDUITS ARE BY OTHERS.



1 SECURITY ACCESS PLAN  
E-105 SCALE: 1/4" = 1'-0"



KEY PLAN  
SCALE: NONE



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BUILDING – DISPATCH CENTER REHAB

SECURITY ACCESS PLAN

E-105

DATE: JANUARY 2022 SCALE: AS NOTED SHEET NO. 25



(APPLY TO WORK PROVIDED UNDER DIV. 20):

- ## GENERAL DEMOLITION NOTES

(APPLY TO WORK PROVIDED UNDER DIVISION 20).

- COMMON CONTROLS NOTES:

1. ALL MECHANICAL SYSTEM CONTROLS COMPONENTS AND SEQUENCES SHALL BE COORDINATED AND INTEGRATED WITH THE EXISTING JCI METASYS BUILDING MANAGEMENT SYSTEM.
2. PROVIDE ALL NECESSARY WIRING, CONTROLS COMPONENTS, EQUIPMENT, SOFTWARE MODIFICATIONS, AND POWER TRANSFORMERS REQUIRED FOR A FULLY FUNCTIONING, LOCAL STAND-ALONE SYSTEM OPERATION, WITH CENTRAL JCI METASYS BAS SYSTEM MONITORING, AND CONTROLS OVERRIDE CAPABILITY.




### HVAC CONTROL SEQUENCES:

1. EXHAUST FAN: (EF-8)
  - A. DURING OCCUPIED PERIODS EF-8 IS TO BE ENERGIZED AND RUNNING CONTINUOUSLY.
  - B. DURING UNOCCUPIED PERIODS EF-8 IS TO BE OFF.
2. ELECTRIC BASEBOARD HEATERS: (EBH-1)
  - A. LOCAL WALL MOUNTED THERMOSTAT IS TO CONTROL UNIT TO MAINTAIN A SPACE TEMPERATURE OF 68 DEGREES F (ADJUSTABLE).
3. SPLIT SYSTEM: (ACU-1/ ACCU-1)
  - A. SYSTEM IS TO CYCLE PER THE MANUFACTURER PROVIDED CONTROLS BASED ON A SIGNAL FROM A WALL MOUNTED THERMOSTAT TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 72 DEGREE F (ADJUSTABLE).

### BAS MONITORING AND CONTROL:

1. PROVIDE EF-8 WITH MONITORING AND CONTROL FOR THE FOLLOWING:
  - A. FAN ON/OFF
2. PROVIDE ACU-1/ ACCU-1 WITH MONITORING AND CONTROL FOR THE FOLLOWING:
  - A. UNIT ON/OFF
  - B. SPACE TEMPERATURE SETPOINT (ADJUSTABLE)
  - C. SPACE TEMPERATURE (MONITORING AND HIGH TEMP. ALARM ONLY)

### MECHANICAL LEGEND

<u>SYMBOL</u>	<u>ABBREV</u>	<u>DESCRIPTION</u>
		EXTENT OF NEW WORK
		EXTENT OF DEMOLITION
		AREA TO BE DEMOLISHED

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# GENERAL NOTES SYMBOLS AND ABBREVIATIONS

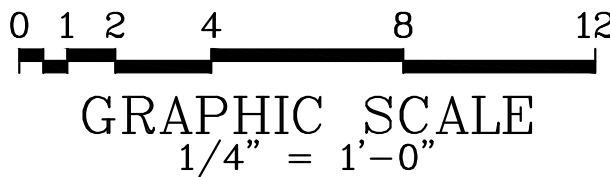
M-000

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- 1 REMOVE RETURN REGISTER/CEILING DIFFUSER. CLEAN, AND RETAIN FOR REINSTALLATION AS PART OF NEW WORK. DEMOLISH AND REPLACE ANY FLEXIBLE DUCTWORK.
- 2 EXISTING THERMOSTAT TO BE REMOVED AND REINSTALLED.
- 3 DISCONNECT AND REMOVE EXISTING ELECTRIC BASEBOARD HEATER AND SAVE FOR REINSTALLATION.
- 4 REMOVE HW PIPE RISER.
- 5 EXISTING REGISTER ABOVE CEILING IN PLENUM.
- 6 REMOVE THERMOSTAT AND STORE FOR REINSTALLATION AS PART OF NEW WORK.

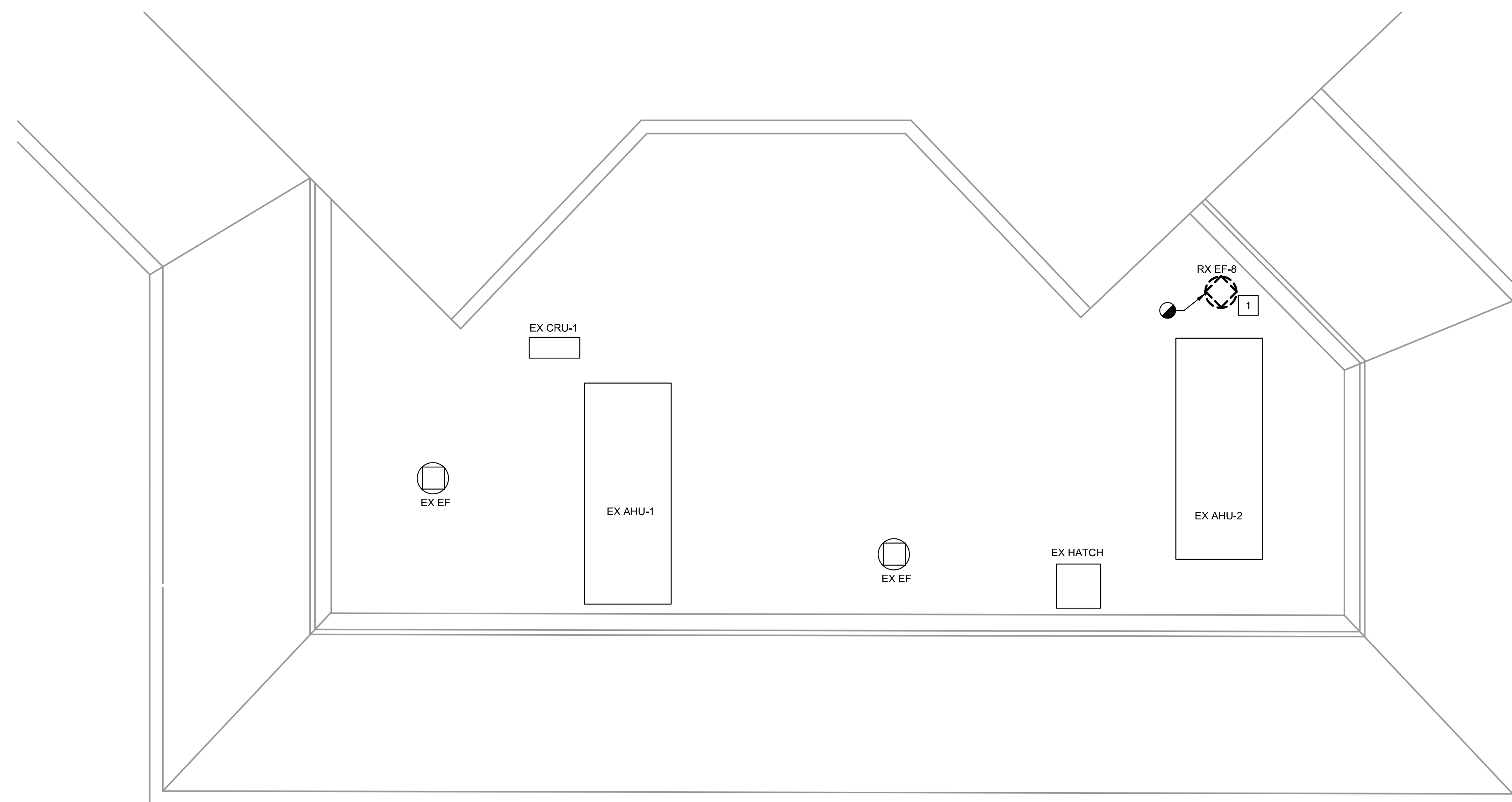


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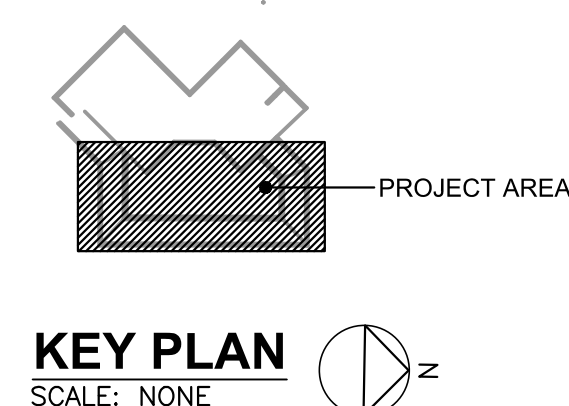
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1 REMOVE EXHAUST FAN AND REPAIR ROOF CURB AS REQUIRED.



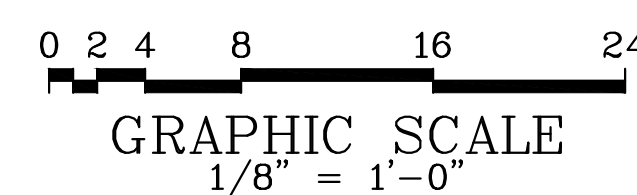
**1** **ROOF HVAC DEMOLITION PLAN**   
M-101 SCALE: 1/8" = 1'-0"



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BUILDING - DISPATCH CENTER REHAB

M-101

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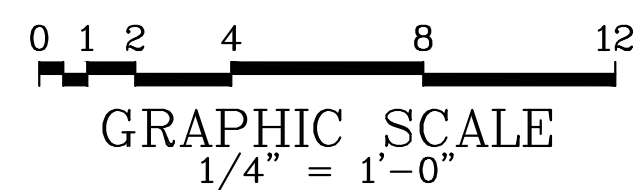
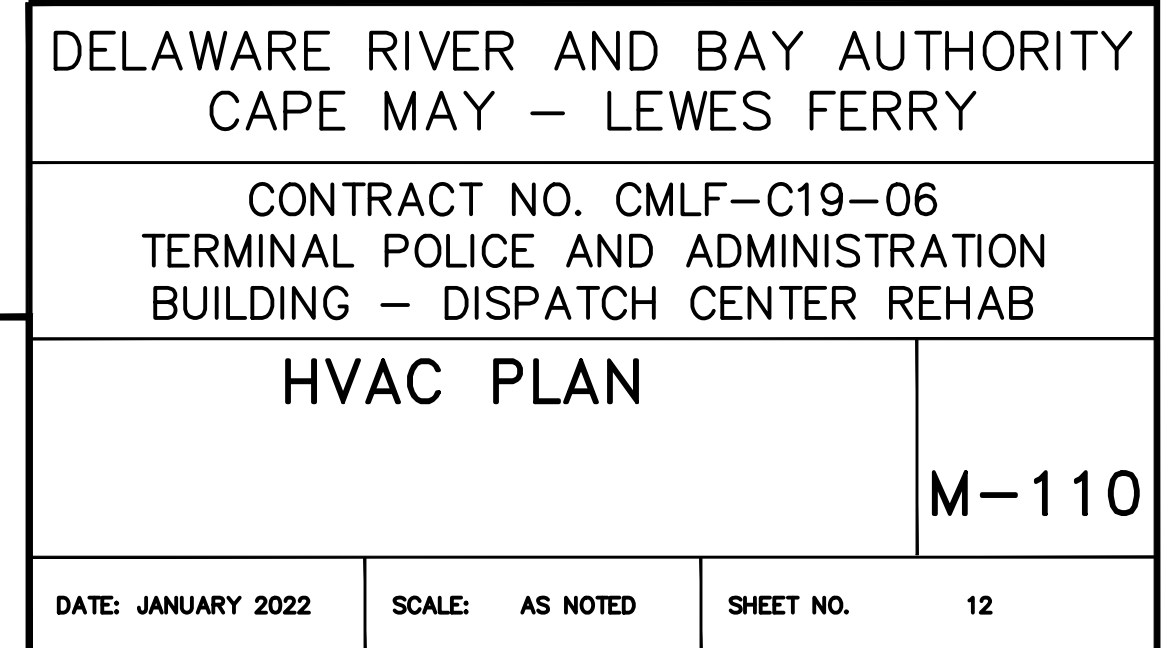
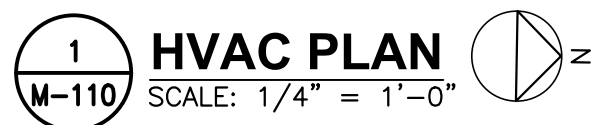
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1. SEAL WALL PIPE PENETRATIONS.

- ① REINSTALL EXISTING AIR DEVICE AT THIS LOCATION.
- ② REINSTALL EXISTING THERMOSTAT WITH VAV BOX.
- ③ 3/4" HWR WITH INSULATION ROUTED UNDER SLAB. CUT AND PATCH FLOOR AS REQUIRED. COORDINATE WITH OTHER DISCIPLINES.
- ④ 3/4" HWR DROP DOWN THRU SLAB IN WALL.
- ⑤ COORDINATE PIPE ROUTING WITH DUCTWORK.
- ⑥ SUSPEND REFRIGERANT PIPING FROM STRUCTURE. COORDINATE ROUTING WITH EXISTING CONDITIONS.
- ⑦ REINSTALL AND RECONNECT EXISTING ELECTRIC BASEBOARD HEATER
- ⑧ PATCH AND SEAL EXHAUST DUCT AT REMOVED BRANCH.
- ⑨ REINSTALL THERMOSTAT.



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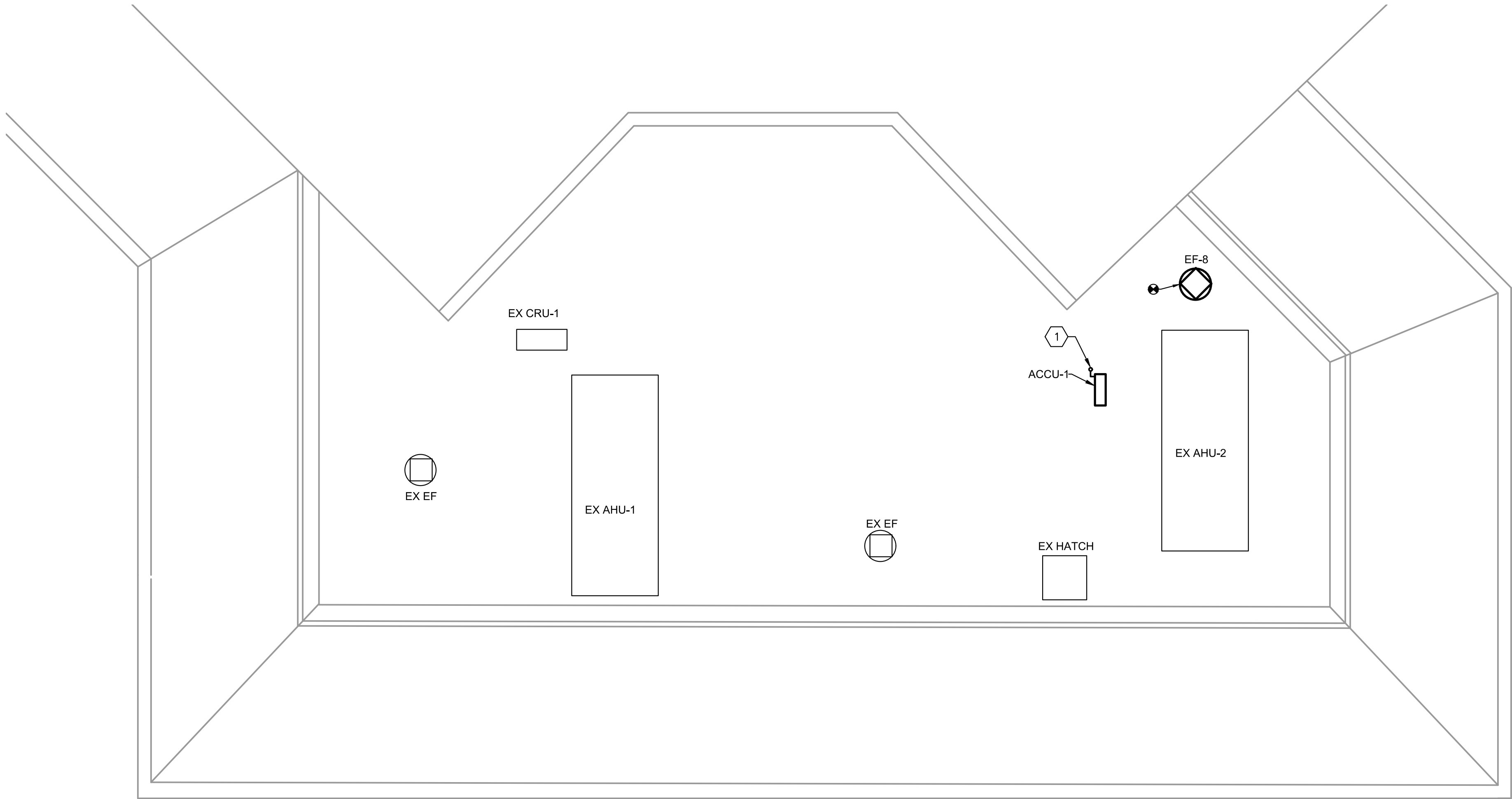
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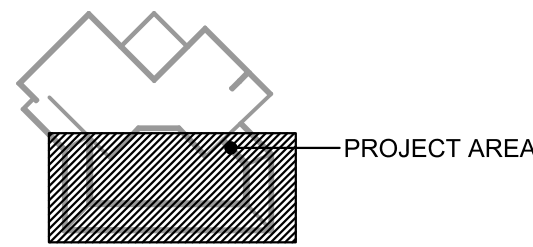
- DRAWING NOTES:**
- 1. COORDINATE WORK WITH OTHER TRADES AND EXISTING CONDITIONS
  - 2. REFRIGERANT PIPING IS TO BE INSULATED WITH JACKETING SEALED WEATHER TIGHT.

**SPECIFIC NOTES: (APPLY TO THIS DRAWING WHERE INDICATED):**

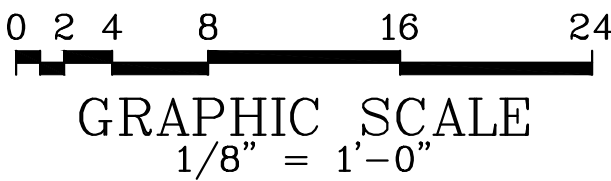
1 REFRIGERANT PIPING ROOF PENETRATION.



1  
M-111  
**ROOF HVAC PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE: NONE



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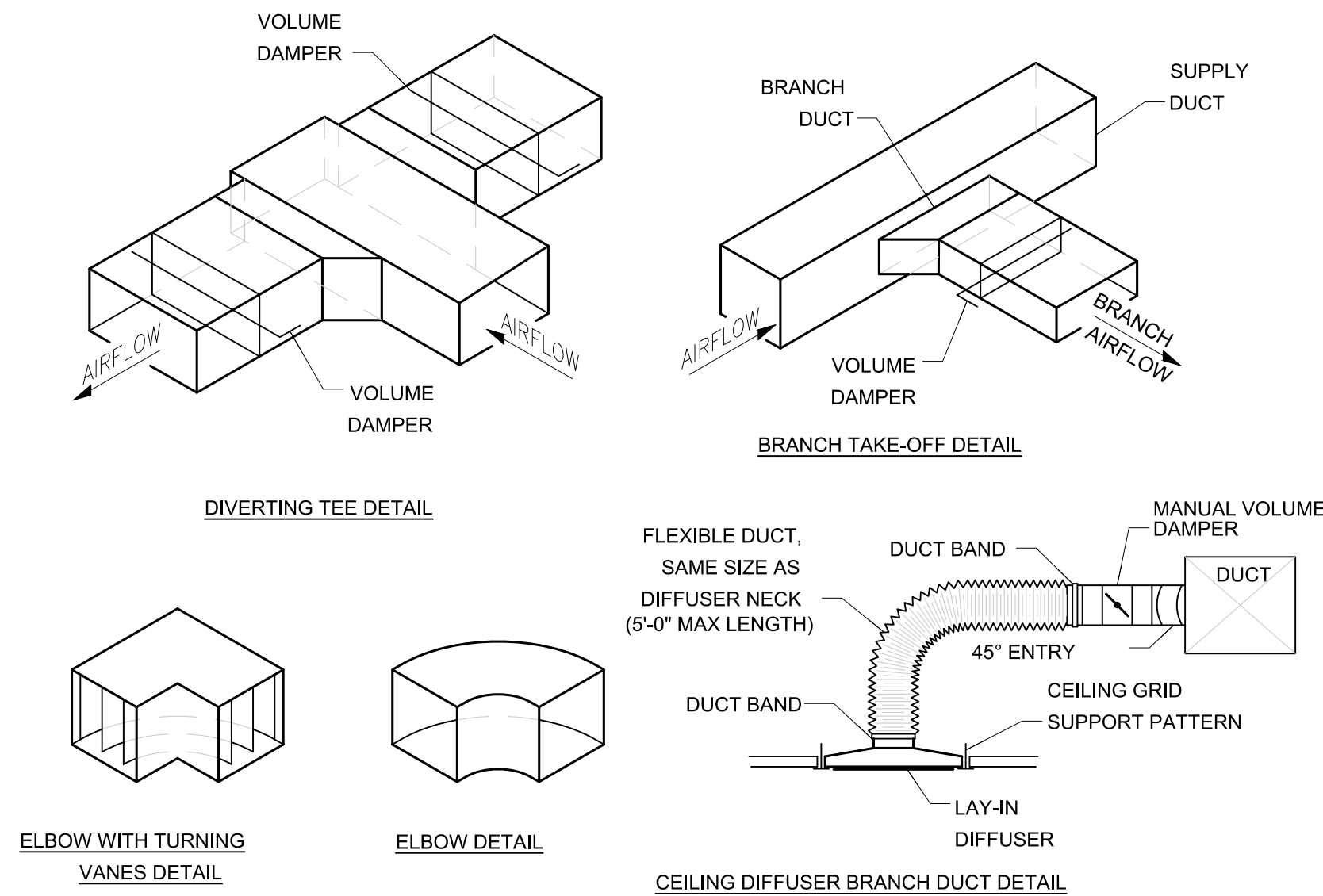
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**ROOF HVAC PLAN**

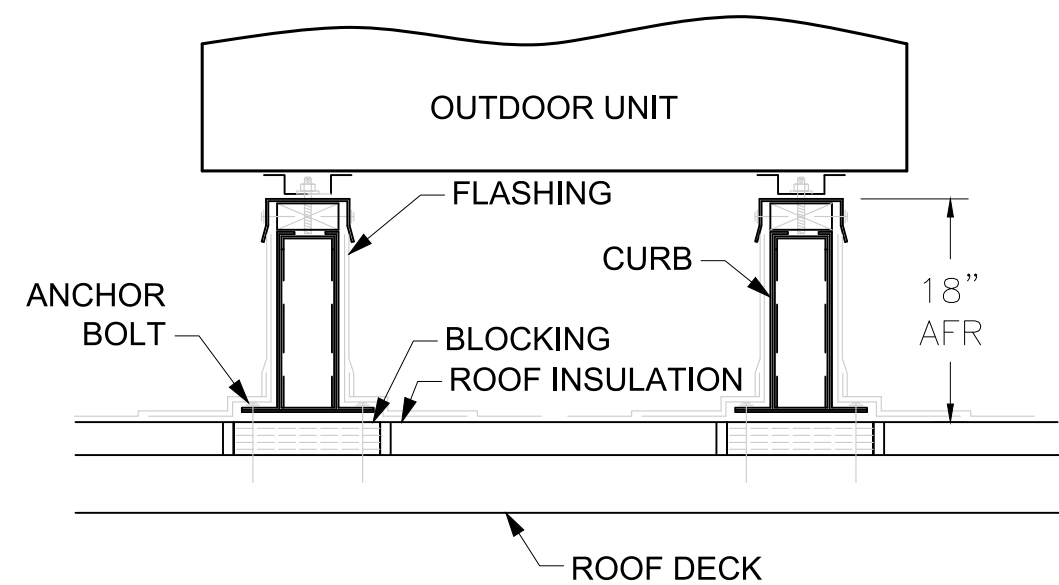
**M-111**

DATE: JANUARY 2022    SCALE: AS NOTED    SHEET NO. 13



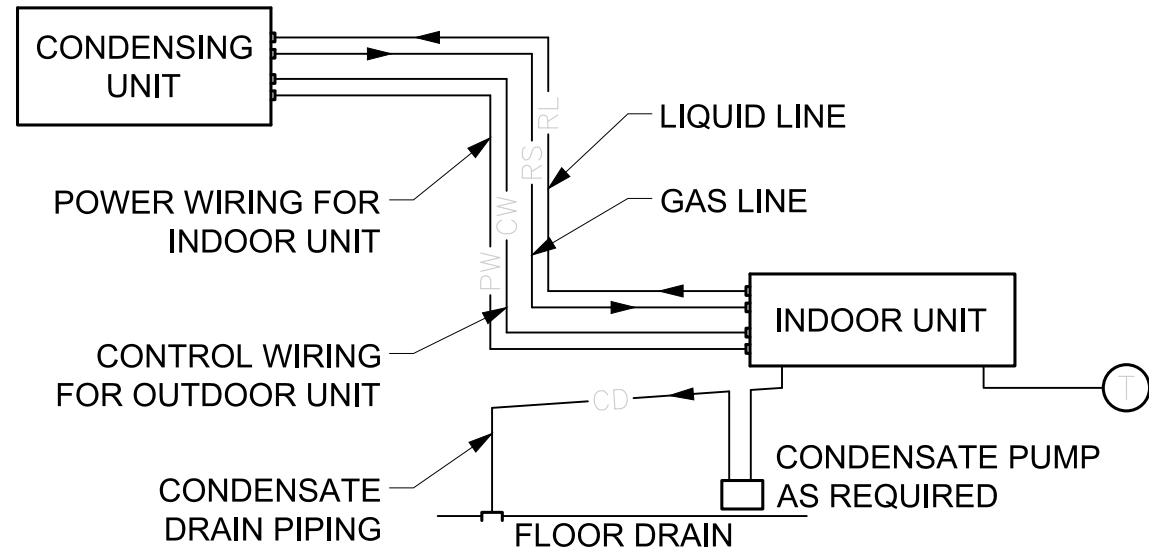


1 TYPICAL DUCT DETAILS  
NOT TO SCALE



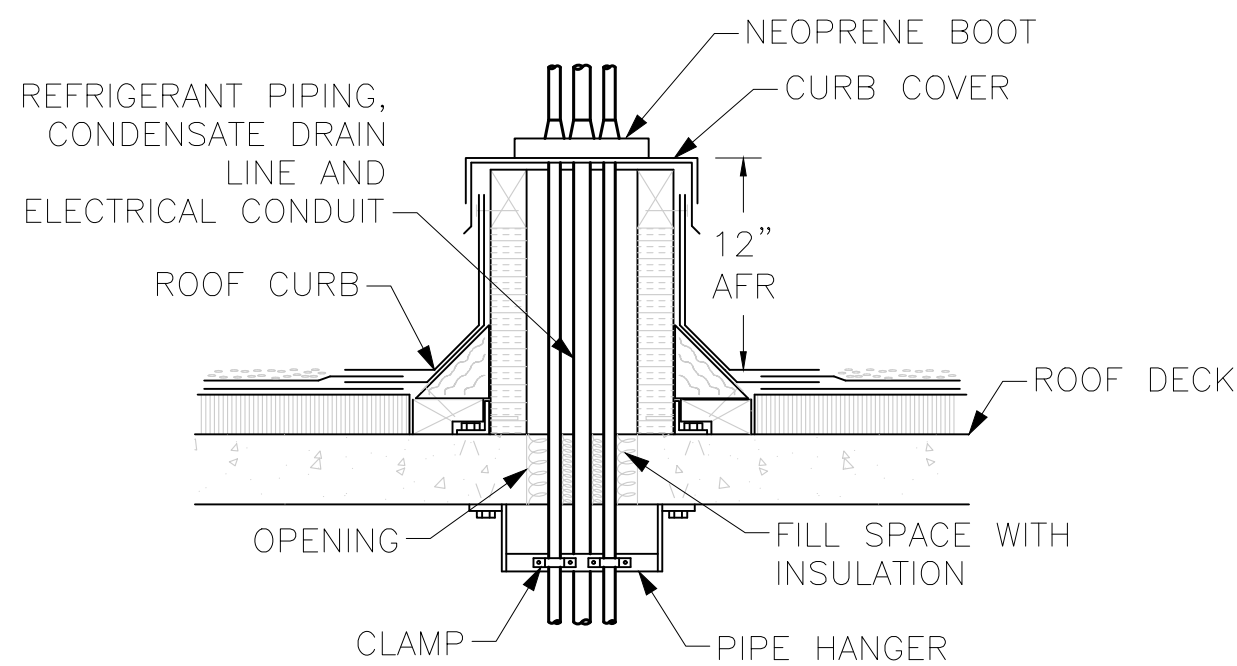
- NOTES:
1. ANCHOR SECURELY PER MANUFACTURERS INSTALLATION GUIDE.
  2. VERIFY SPACING WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
  3. RE-FLASH AND PATCH ROOF WATER TIGHT.

4 ROOF RAIL DETAIL  
NOT TO SCALE



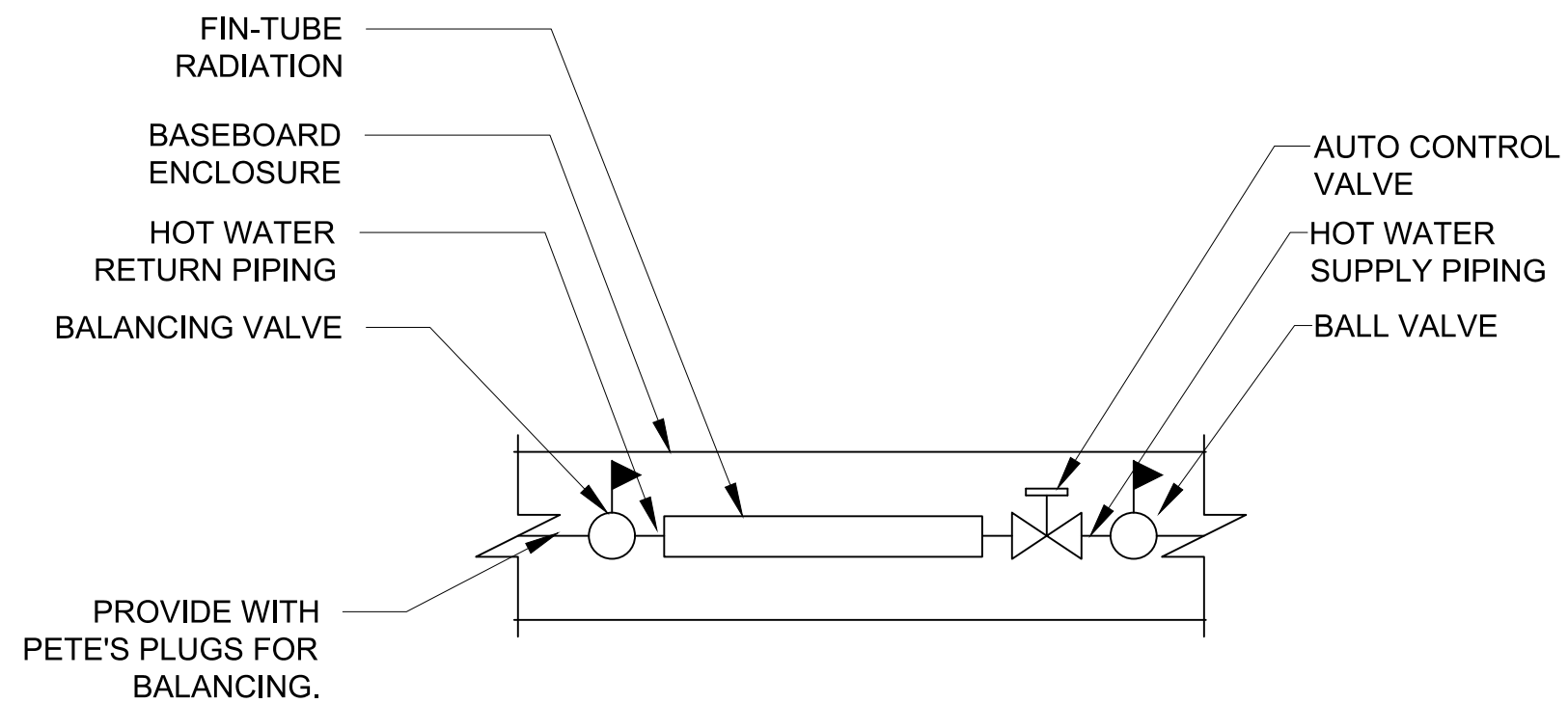
- NOTES:
1. INSTALL COPPER TYPE 'ACR' REFRIGERANT PIPING AND ACCESSORIES AS RECOMMENDED BY AND IN ACCORDANCE WITH MFR. AND RECOGNIZED PRACTICES.
  2. PIPE SIZES AND CONFIGURATIONS SHALL BE PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
  3. INSULATE BOTH REFRIGERANT LINES PER MFR RECOMMENDATIONS. MIN 1/2" THICK. PROVIDE WITH JACKETING OUTSIDE OF BUILDING.
  4. ROUTE OUTDOOR CONTROL WIRING WITH, AND SECURE TO, GAS LINE BETWEEN UNITS.
  5. INSTALL REFRIGERANT PIPING PARALLEL OR PERPENDICULAR TO THE LINES OF THE BUILDING STRUCTURE ALLOWING A MINIMUM OF FOUR INCHES CLEARANCE TO EXISTING PIPING, EQUIPMENT, AND ELECTRICAL/CONTROL WIRING.

2 DETAIL - SPLIT SYSTEM  
NOT TO SCALE



- NOTES:
1. VERIFY PIPE AND CONDUIT SIZES AND QUANTITIES
  2. PIPE INSULATION NOT SHOWN
  3. CUT AND PATCH ROOF OPENING WEATHER TIGHT

5 ROOF-TOP PIPE CURB DETAIL  
NOT TO SCALE



3 DETAIL - TYPICAL FIN-TUBE RADIATION VALVE ARRANGEMENT  
NOT TO SCALE



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HVAC DETAILS

M-501

DATE: JANUARY 2022 SCALE: AS NOTED SHEET NO. 14



DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE									
TAG	SERVING	NOMINAL TONNAGE	SUPPLY AIR CFM	COOLING			MANUFACTURER	MODEL	REMARKS
				OUTSIDE AIR TEMPERATURE		COOLING CAPACITY (MBH)			
				DB (F)	WB (F)				
ACU-1	IT ROOM	2	635	95	75	24	mitsubishi	PKA	1, 2

1. PROVIDE WITH ELECTRICAL DISCONNECT AND WALL MOUNTED THERMOSTAT. PROVIDE WITH CONDENSATE PUMP. REFRIGERANT R-410A.
2. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE												
TAG	SERVING	COOLING CAPACITY ( MBH)	OA TEMP		EER	SEER	ELECTRICAL				MANUFACTURER	MODEL
			DB (F)	WB (F)			VOLTAGE	PHASE	MCA (A)	MOCp (A)		
ACCU-1	ACU-1	24	95	75	10.6	17	208	1	18	30	MITSUBISHI	PUY-A24NHA6

EXISTING VAV BOX SCHEDULE						
TAG	SERVING	AIRFLOW (CFM)	HEATING CAPACITY		MANUFACTURER	MODEL
			MBH	GPM		
VAV-1	115 LOBBY & 155 LT OFFICE	650	-	-	TRANE	VCWF-08
VAV-2	154 RADIO ROOM	500	-	-	TRANE	VCWF-08
VAV-3	159 SQUAD ROOM	600	-	-	TRANE	VCWF-08
VAV-4	161 WAREHOUSE	1200	-	-	TRANE	VCWF-12
VAV-5	INTERROGATION/STORAGE	350	-	-	TRANE	VCWF-06
VAV-6	163 SGTs OFFICE	450	-	-	TRANE	VCWF-08
VAV-7	LUNCH ROOM	400	-	-	TRANE	VCWF-08
VAV-8	MEN'S LOCKER ROOM	450	8.2	1	TRANE	VFWC-08
VAV-9	WOMEN'S LOCKER ROOM	350	14	1.5	TRANE	VFWC-08
VAV-11	203 PC TRAINING	650	-	-	TRANE	VCWF-08
VAV-12	201 WORKROOM	1900	-	-	TRANE	VCWF-12

- NOTE
1. VAV BOXES ARE EXISTING TO REMAIN.
2. MIN AIR SUPPLY FOR BOXES SHALL BE 25% OR AS REQUIRED FOR MAKE-UP

FIN-TUBE BASEBOARD RADIATION HEATER SCHEDULE								
TAG	SERVING	ROWS	AVERAGE TEMP (°F)	LENGTH (FT)	RECOVERY RATE (BTU/LF)	MANUFACTURER	MODEL	REMARKS
FBR-1	155 LT OFFICE	1	170	12	775	TRANE	TA	1, 2
FBR-2	159 SQUAD ROOM	1	170	13	775	TRANE	TA	1, 3

- NOTES
1. COPPER ALUMINIUM 1-1/4", SERIES 60, FINS 2-1/2" x 5-1/4" x 0.015".
2. EXISTING TO REMAIN.
3. UNIT TO BE CONTROLLED IN A MANNER CONSISTENT WITH THE EXISTING WITH THE EXISTING UNIT TO BE REPLACED.

AIR DEVICE SCHEDULE - RETURN REGISTERS					
TAG	AIRFLOW	TYPE	SIZE	MANUFACTURER	MODEL
RR-1	75 CFM	LAY-IN	12"x12"	TITUS	350FL

AIR DEVICE SCHEDULE - SUPPLY DIFFUSER					
TAG	AIRFLOW	TYPE	SIZE	MANUFACTURER	MODEL
CD-1	25 CFM	LAY-IN	12"x12"	TITUS	TMS

ELECTRIC BASEBOARD HEATER SCHEDULE								
TAG	SERVING	LENGTH	ELECTRICAL			MANUFACTURER	MODEL	REMARKS
			KW	VOLTAGE	PHASE			
EBH-1	164 CLOSET	5'-0"	1.25	120	1	BERKO	ASL3	1

- NOTES
1. PROVIDE WITH WALL THERMOSTAT.

EXHAUST FAN SCHEDULE									
TAG	AIRFLOW (CFM)	TYPE	ESP	HP	ELECTRICAL		MANUFACTURER	MODEL	REMARKS
					VOLTAGE	PHASE			
EF-8	2875	UPBLAST CENTRIFUGAL	0.75	1.5	480	3	GREENHECK	CUE-200HP	1

1. PROVIDE WITH ELECTRICAL DISCONNECT SWITCH, VARI-GREEN DRIVE, BACKDRAFT DAMPER. VERIFY THAT NEW EF IS COMPATIBLE WITH EXISTING ROOF CURB. REPLACE CURB AS REQUIRED.



DELAWARE RIVER AND BAY AUTHORITY  
CAPE MAY – LEWES FERRY

CONTRACT NO. CMLF–C19–06  
TERMINAL POLICE AND ADMINISTRATION  
BUILDING – DISPATCH CENTER REHAB

HVAC SCHEDULES

M–701

DATE: JANUARY 2022

SCALE: AS NOTED

SHEET NO. 15

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NO.	DATE	DESCRIPTION	BY

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SUITE 100-A, NEWARK, DE 19702  
Phone: (302) 525-6022 Fax: (443) 589-2401  
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- GENERAL: FURNISH LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE INSTALLATION OF THE COMPLETE PLUMBING SYSTEMS AS SPECIFIED HEREIN AND INDICATED IN THE CONTRACT DOCUMENTS. OUTLINE DESCRIPTION AND DIAGRAMMATIC REPRESENTATION OF SYSTEM OPERATION AND EQUIPMENT DOES NOT LIMIT CONTRACTOR LIABILITY FOR FURNISHING AND INSTALLING COMPLETE AND OPERABLE SYSTEMS.
2. APPLICABLE CODES: THE INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE CODE OF THE LOCAL AUTHORITY HAVING JURISDICTION.
3. NOTE DEFINITIONS: "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.
4. PROVIDE REQUIRED CLEARANCE FOR MAINTENANCE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR AS REQUIRED BY CODE FOR MECHANICAL AND PLUMBING EQUIPMENT.
5. VERIFY THAT EXISTING EQUIPMENT THAT IS TO REMAIN IS FULLY FUNCTIONAL AND OPERATIONAL.
6. PERMITS: 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.
7. SCHEDULING: COORDINATE WITH THE OWNER FOR SCHEDULING OF WORK.
8. WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
9. 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.
10. SAFETY: JOB SITE SAFETY SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
11. VISIT THE SITE AND CAREFULLY EXAMINE EXISTING CONDITIONS THAT MAY AFFECT THE BID.
12. EXISTING PLUMBING INSTALLATION: EXISTING 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 PLUMBING ITEMS OR PLUMBING FIXTURES RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED.
13. WHERE EXISTING 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.
14. DO NOT DISCONTINUE ANY PLUMBING SYSTEM SERVICE WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE USER AGENCY. THE PLUMBING SYSTEM OUTAGES SHALL BE KEPT TO A MINIMUM.
15. 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.
16. WHEN MOUNTING PLUMBING WORK IN AREAS SUBJECT TO PEDESTRIAN TRAFFIC, MAINTAIN REQUIRED HEADROOM CLEARANCES.
17. PLUMBING MATERIALS AND EQUIPMENT SHALL BE INSTALLED AS TO MAINTAIN THEIR RESPECTIVE UL RATING AND SHALL CONFORM TO FACTORY MUTUAL STANDARDS AS APPLICABLE.
18. PLUMBING WORK SHALL BE CONCEALED IN FINISHED AREAS SHOWN ON THE ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE.
19. EQUIPMENT LOCATIONS: REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATIONS AND THE ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL EQUIPMENT LOCATIONS. LOCATIONS PLUMBING EQUIPMENT AND PIPING ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT LOCATIONS IN THE FIELD.
20. 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.
21. SANITARY AND DRAINAGE PIPING SHALL RUN AT 2% SLOPE MINIMUM, UNLESS NOTED OTHERWISE.
22. LOCATIONS OF DRAINS AND CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE COORDINATED WITH FLOOR PLANS. EQUIPMENT CUTS AND MECHANICAL/ELECTRICAL/STRUCTURAL PLANS. NO WORK SHALL BE INSTALLED UNTIL LOCATIONS HAVE BEEN VERIFIED.
23. PLUMBING FIXTURES SHALL BE CAULKED TO THE ADJOINING FLOOR OR WALL SURFACE.
24. PROVIDE CLEANOUTS IN SANITARY AND DRAIN LINES EVERY 50 FEET UNLESS INDICATED AT CLOSER INTERVALS ON THE DRAWINGS AND AT CHANGES OF DIRECTION.
25. THE PLUMBING FIXTURE SCHEDULE AND SPECIFICATIONS SUPERCEDE THE SYMBOLS INDICATED ON THE FLOOR PLANS.
26. PIPE DROPS IN EXTERIOR WALLS SHALL BE INBOARD OF INSULATION.

1. DEMOLITION WORK IS GENERALLY INDICATED AS PART OF THESE NOTES AND THE NOTES INDICATED ON THE ARCHITECTURAL DEMOLITION PLANS.
2. VERIFY THAT EXISTING PIPING, EQUIPMENT, ETC. THAT IS CALLED FOR REMOVAL IS NO LONGER IN SERVICE BEFORE BEGINNING DEMOLITION.
3. 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.
4. 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.
5. 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.
6. REMOVE FROM THE PREMISES AND DISPOSE OF EXISTING PIPING, MATERIAL, FIXTURES, EQUIPMENT, ETC. NOT REQUIRED FOR RE-USE OR RE-INSTALLATION.
7. 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.
8. OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
9. PIPING ABANDONED IN CONCRETE SLABS, WALLS, OR OTHER INACCESSIBLE LOCATIONS SHALL BE LEFT EMPTY.

1. EXISTING SPRINKLER SYSTEM SERVING THE RENOVATED SPACE IS TO REMAIN AND SHALL BE MODIFIED AND EXTENDED AS REQUIRED BY A CERTIFIED SPRINKLER CONTRACTOR TO SUIT NEW CONSTRUCTION.
2. REROUTE EXISTING SPRINKLER PIPING AS REQUIRED TO AVOID ROUTING THRU OR ABOVE ELECTRICAL EQUIPMENT ROOMS, ELECTRIC ROOMS SHALL ONLY CONTAIN PIPING THAT SERVES THAT ROOM.
3. THE EXISTING SPRINKLER SYSTEM AND SPRINKLER HEADS SHALL BE UPGRADED AS REQUIRED TO MEET ALL CURRENT NFPA 11, NFPA 25 AND ALL APPLICABLE LOCAL FIRE CODES, REGULATIONS AND WITH THE APPROVAL OF THE LOCAL FIRE MARSHAL AND AN AUTHORITY HAVING JURISDICTION.
4. EXISTING SPRINKLER PIPING TO REMAIN IS TO BE THOROUGHLY FLUSHED AND TESTED FOR LEAKAGE AND DEFECTS IN WORK AND MATERIALS. A CERTIFIED SPRINKLER ENGINEER SHALL PROVIDE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATION FOR A LIGHT HAZARD SPRINKLER CLASSIFICATION.
5. COORDINATE SPRINKLER HEADS WITH NEW CEILING LAYOUT AND ALL OTHER TRADES. PROVIDE TAMPER/SUPERVISORY SWITCHES AS REQUIRED PER NFPA. SPRINKLER HEADS ARE TO BE PENDANT TYPE TO MATCH EXISTING.
6. IN RENOVATED AREAS SUBJECT TO FREEZING, DRY SIDEWALL HEADS SHALL BE USED FROM THE WET SYSTEM SERVING SUCH AREAS.

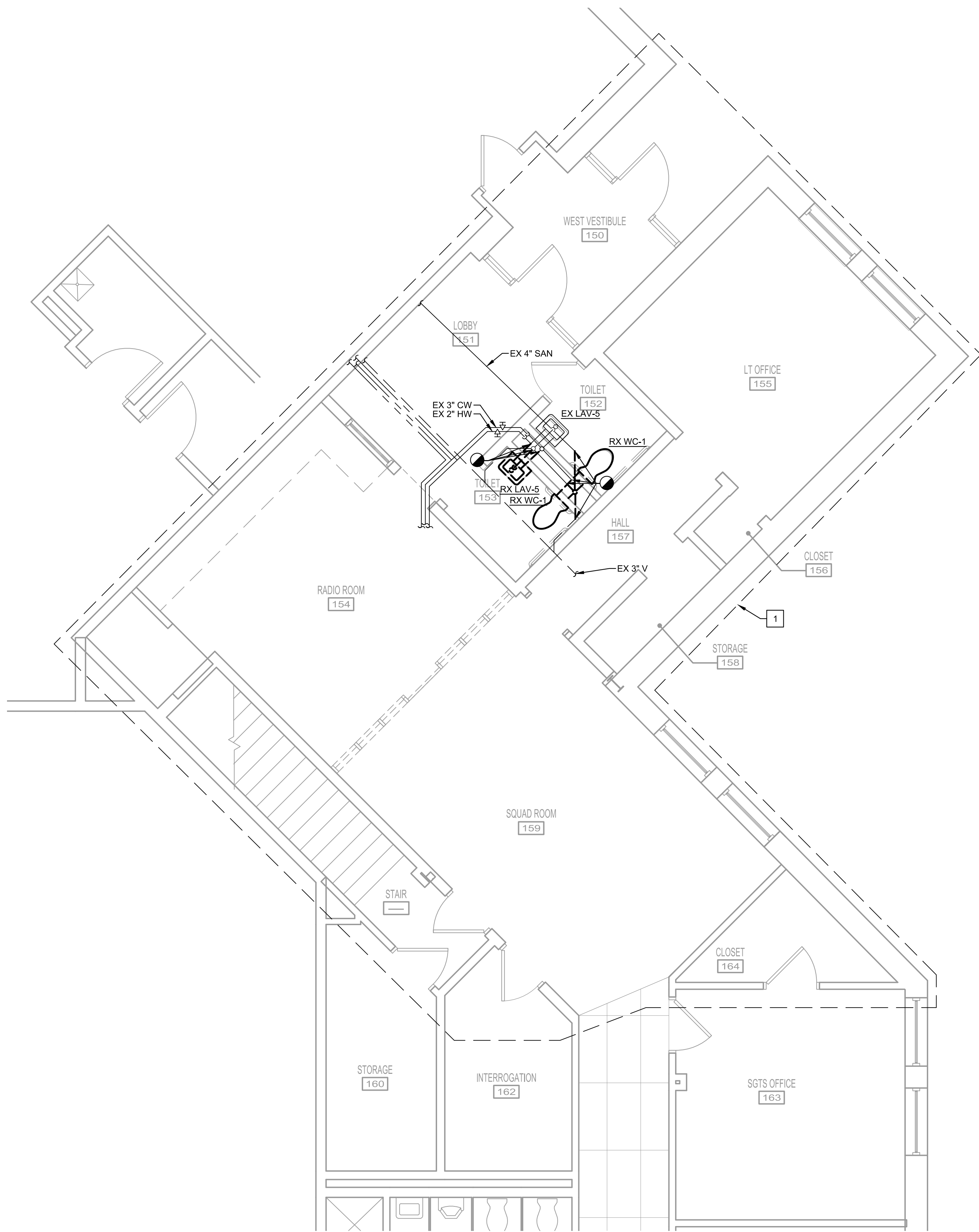
## PLUMBING LEGEND

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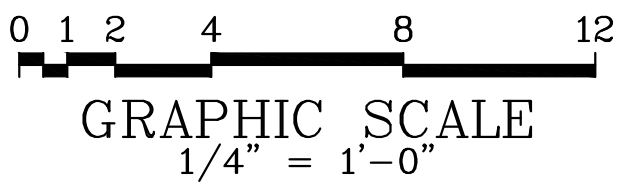
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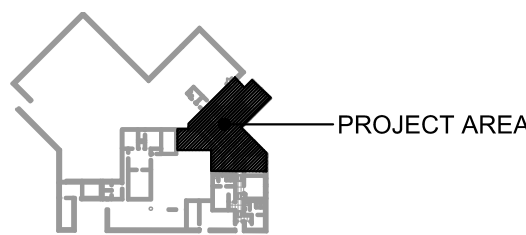




**1 PLUMBING DEMOLITION PLAN**  
P-100 SCALE: 1/4" = 1'-0"



DEMOLITION WORK SHALL BE DONE IN PHASES.  
COORDINATE ALL WORK WITH NEW  
INSTALLATIONS.



**KEY PLAN**  
SCALE: NONE



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**SPECIFIC NOTES: (APPLY TO THIS  
DRAWING WHERE INDICATED):**

- 1 SEE GENERAL SPRINKLER NOTES FOR SCOPE OF SPRINKLER  
WORK IN THIS AREA.

DELAWARE RIVER AND BAY AUTHORITY  
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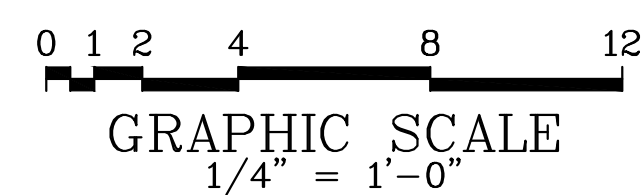
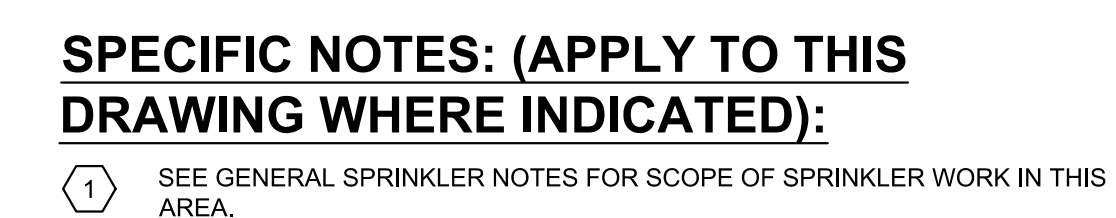
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**PLUMBING DEMOLITION  
PLAN**

**P-100**

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