

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE

MESCALERO SERVICE UNIT
MESCALERO, NEW MEXICO

ISSUE FOR CONSTRUCTION JULY 20, 2018
MESCALERO SERVICE UNIT
RENOVATION & ADDITION

DRAWING INDEX

</

PROJECT TEAM

ARCHITECT

INDIGENOUS DESIGN STUDIO + ARCHITECTURE, LLC
P.O. BOX 16657
ALBUQUERQUE, NM 87191
PH. 505.226.2565
CONTACT: JAN TIFREA, AIA

CIVIL ENGINEER

FORSQREN
6100 INDIAN SCHOOL RD., SE, STE 205
ALBUQUERQUE, NM 87110
PH. 505.814.2796
CONTACT: KENT DELPH, PE

STRUCTURAL ENGINEER

QUIROGA-PHEIFFER ENGINEERING
6621 GILTON COURT NE
ALBUQUERQUE, NM 87109
PH. 505.858.1456
CONTACT: RICHARD PFEIFFER PE

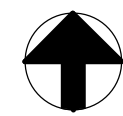
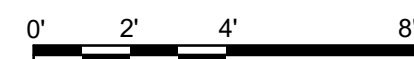
MECHANICAL / ELECTRICAL / PLUMBING

ROCK GAP ENGINEERING
6759 ACADEMY RD. NE
ALBUQUERQUE, NEW MEXICO 87109
PH. 505.344.2366
CONTACT: KEITH KEETSO, P.E.

MARK	DATE	DESCRIPTION
0	JULY 20, 2018	ISSUE FOR CONSTRUCTION
1	AUGUST 23, 2018	AMENDMENT 01
2	OCTOBER 14, 2021	AMENDMENT 02
APPROVED		ARCHITECTURAL
		MECHANICAL
		ELECTRICAL
		PLUMBING
DATE OF NEW MEXICO REGISTERED ARCHITECT		
INDIGENOUS DESIGN STUDIO + ARCHITECTURE, LLC 3737 Franklin Dr. NE, Ste. 100 Albuquerque, NM 87110 Tel: 505.226.2565 Fax: 505.226.2566		
INDIAN HEALTH SERVICE		
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110		
MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 86003 OTERO COUNTY RENOVATION & ADDITION COVER SHEET		
DRWN BY		
CHKD BY		
SCALE 1/4" = 1'-0"		
DATE JULY 20, 2018		
G-1		
PROJECT NUMBER 117043		
SHEET of		



1/4" = 1'-0"



1/4" = 1'-0"


$$1/4'' = 1'-0''$$

1. EXISTING FACILITY IS KNOWN TO CONTAIN HAZARDOUS MATERIAL. REFER TO ASBESTOS ABATEMENT REPORT FOR LOCATIONS AND RECOMMENDATIONS FOR REMOVAL.
2. THIS BUILDING HAS HISTORICAL SIGNIFICANCE. THERE ARE ARCHITECTURAL FEATURES THAT ARE TO BE PRESERVED AND RELOCATED AS NOTED IN THE DOCUMENTS. ADDITIONALLY, OWNER SHALL HAVE FIRST RIGHT TO ALL SALVAGEABLE ITEMS ON SITE. SALVAGE ITEMS INCLUDE ALL SINKS, LIGHT FIXTURES, AND OTHER ACCESSORIES. OTHER ITEMS TO BE SALVAGED SHALL BE IDENTIFIED FOR THE CONTRACTOR DURING PRECONSTRUCTION WALK THROUGH.
3. THE FACILITY WILL BE OPEN DURING CONSTRUCTION, ALL WORK IS TO BE CONDUCTED TO SAFEGUARD VISITORS AND STAFF ON THE PROPERTY. SECURE INDIVIDUAL WORK AREAS FOR SAFETY AND ADHERE TO SAFETY GUIDELINES FOR THE WORKPLACE.
4. DURING CONSTRUCTION WHILE ADJACENT AREAS ARE IN USE, CONTRACTOR SHALL MAINTAIN SAFE AND CODE COMPLIANT ACCESS AND EGRESS TO AND FROM ALL OCCUPIED SPACES FOR THE ENTIRE DURATION OF THE PROJECT.
5. DEMOLITION ACTIVITIES WHICH ARE NOISY AND WHICH DISRUPT ACTIVITIES IN ADJACENT AREA SHALL BE CONDUCTED ONLY AFTER COORDINATION WITH OWNER.
6. CONTRACTOR SHALL PROTECT ALL EXISTING CONDITIONS TO REMAIN. ANY DAMAGE TO THESE AREAS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. INSPECT ALL BEAMS, FLOORS, WALLS, AND ROOF DECK FOR STRUCTURAL DAMAGE. NOTIFY OWNER AND ARCHITECT IMMEDIATELY OF ANY DAMAGE.
8. ASBESTOS ABATEMENT IS REQUIRED.

02-4100.A	REMOVE WALL
02-4100.A1	REMOVE LEAD SHIELDED WALL AND WINDOW
02-4100.A2	REMOVE WALL AND WINDOWS
02-4100.B	REMOVE DOOR AND FRAME
02-4100.C	REMOVE CEILING
02-4100.D	REMOVE PLUMBING FIXTURE
02-4100.G	REMOVE WALL WITH MOSAIC TILE PATTERN AND PROTECT FOR REUSE
02-4100.I	REMOVE DUMBWAITER
02-4100.J	REMOVE COLUMN
02-4100.K	REMOVE CONCRETE SHADE STRUCTURE
02-4100.M	REMOVE DRAIN PIPE
02-4100.N	REMOVE STONE WALL, RESERVE STONE FOR REUSE
02-4100.O	EXISTING COLUMNS REMAIN
02-4100.P	EXISTING FOUNDATION REMAINS, REMOVE ALL STONE BELOW GRADE

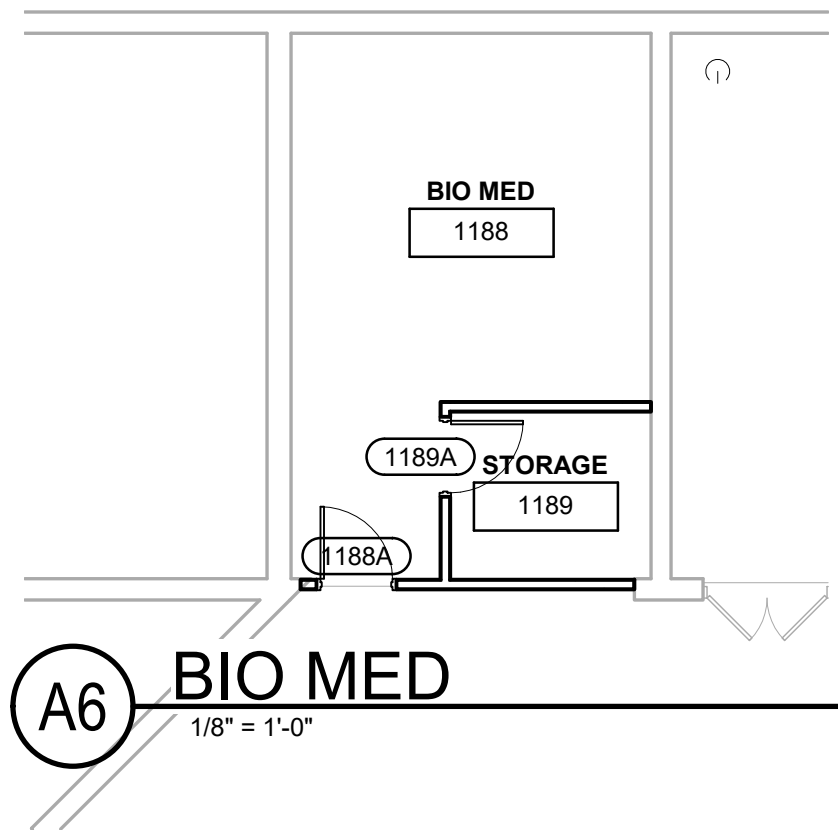
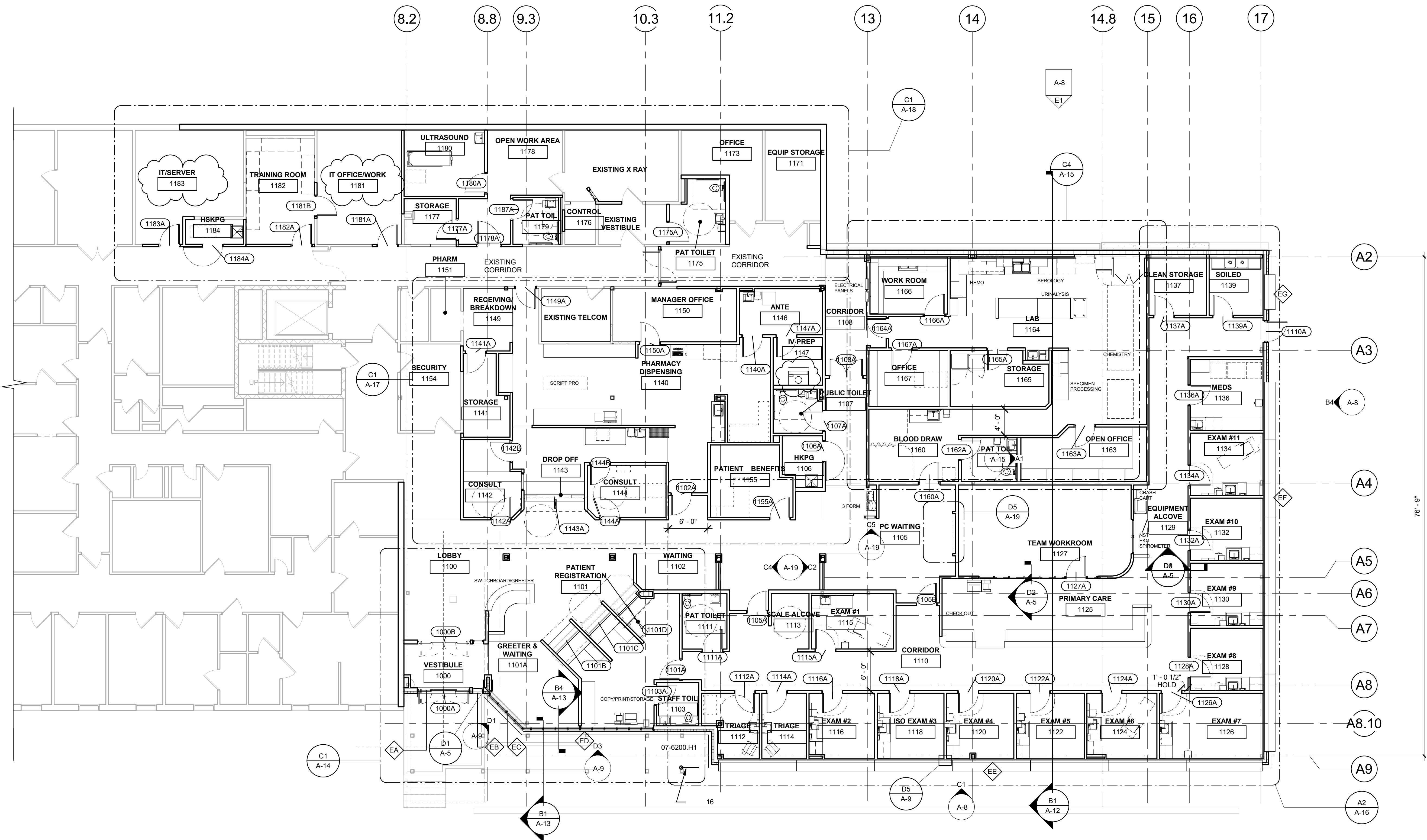
REMOVE FLOOR FINISH AND CEILINGS

**MOSIAC TILE WALL, REMOVE ENTIRE WALL
AND PRESERVE FOR LOCATION
IN NEW WAITING ROOM
SEE SHEET A-1 FOR LOCATION**

DASHED LINE INDICATES ITEM TO BE REMOVED

11/1/2021 6:01:13 PM

B1 FLOOR PLAN
1/8" = 1'-0"






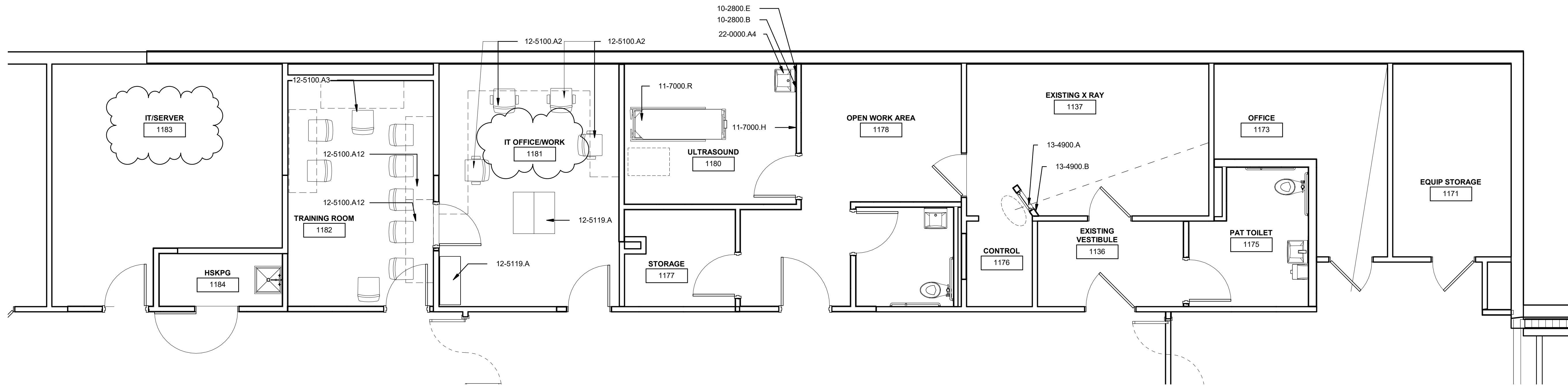
- GENERAL NOTES**
- ALL NOTES ARE TO THE FACE OF STUD OR MASONRY UNIT
 - CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INFORM THE OFFICE OF THE ARCHITECT OF DISCREPANCIES PRIOR TO COMENCING WORK
 - CONTRACTOR SHALL PROVIDE BLOCKING AT ALL LOCATIONS OF ATTACHMENTS, WALL HUNG CABINETS, ACCESSORIES AND HARDWARE.
 - PROVIDE CONTINUOUS CAULKING AT ALL JOINTS OF DISSIMILAR FINISH AND MATERIAL AS REQUIRED FOR FIRE STOPPING
 - CONTRACTOR SHALL PROVIDE FULL INSTALLATION OF EQUIPMENT AND APPLIANCES AS DEPICTED AND ALL APPURTENANCES NECESSARY FOR INSTALLATION UNLESS NOTED OTHERWISE
 - REFER TO INTERIOR ELEVATIONS FOR CASEWORK, ACCESSORIES AND EQUIPMENT, AS OCCURS, FOR INSTALLATION
 - FURNITURE IS SHOWN AS GUIDE.
 - ALL WALLS ARE TO BE TYPE A PARTITIONS UNLESS OTHERWISE NOTED.
 - REFERENCE REFLECTED CEILING PLAN FOR CEILING HEIGHTS.

SHEET KEYNOTES

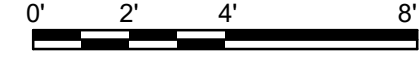
- 16 DOWNSPOUT DIRECTED TO DRAIN INTO RIP RAP SWALE

REFERENCE KEYNOTES

SHEET		of	
PROJECT NUMBER		117943	
A-1			
DATE		12/13/17	
SCALE		1/4" = 1'-0"	
CHKD BY			
DRWN BY			
MESCALERO SERVICE UNIT		318 ABALONE LOOP MESCALERO, NM 86503 OTERO COUNTY	
ARCHITECTURAL - FLOOR PLAN		DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110	
INDIAN HEALTH SERVICE			
INDIGENOUS DESIGN STUDIO - ARCHITECTURE LLC			
STAMP			
MARK	DATE	DESCRIPTION	
0	JULY 20, 2018	ISSUE FOR CONSTRUCTION	
1	AUGUST 23, 2018	AMENDMENT 01	
2	OCTOBER 14, 2020	AMENDMENT 22	
ARCHITECTURAL		MECHANICAL	
PLUMBING		ELECTRICAL	
APPROVED		4/5/2021	



(C1) BIO MED, IT RADIOLOGY
1/4" = 1'-0"

$$1/4'' \equiv 1'-0''$$




GENERAL NOTES

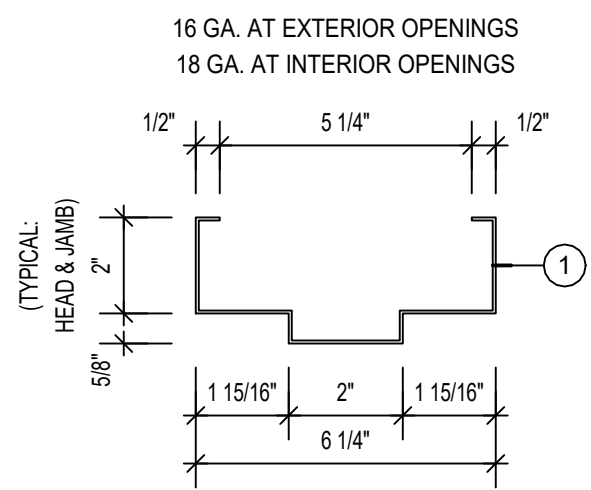
1. ALL NOTES ARE TO THE FACE OF STUD OR MASONRY UNIT
2. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INFORM THE OFFICE OF THE ARCHITECT OF DISCREPANCIES PRIOR TO COMMENCING WORK
3. CONTRACTOR SHALL PROVIDE BLOCKING AT ALL LOCATIONS OF ATTACHMENTS, HUNG WALL CABINETS, ACCESSORIES AND HARDWARE.
4. PROVIDE CONTINUOUS CAULKING AT ALL JOINTS OF DISSIMILAR FINISH AND MATERIAL AS REQUIRED FOR FIRE STOPPING
5. CONTRACTOR SHALL PROVIDE FULL INSTALLATION OF EQUIPMENT AND APPLIANCES AS DEPICTED AND ALL APPURTENANCES NECESSARY FOR INSTALLATION UNLESS NOTED OTHERWISE
6. REFER TO INTERIOR ELEVATIONS FOR CASEWORK, ACCESSORIES AND EQUIPMENT, AS OCCURS, FOR INSTALLATION
7. FURNITURE IS SHOWN AS GUIDE.
8. ALL WALLS ARE TO BE TYPE A PARTITIONS UNLESS OTHERWISE NOTED.
9. REFERENCE REFLECTED CEILING PLAN FOR CEILING HEIGHTS.

SHEET KEYNOTES

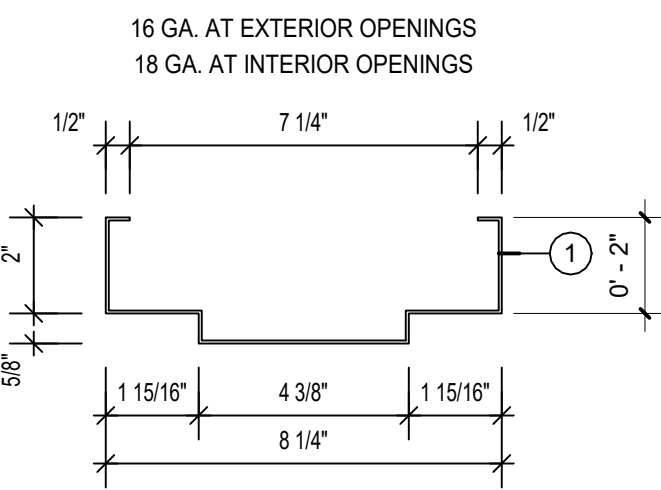
REFERENCE KEYNOTES

- | | |
|-------------|---|
| 10-2800.B | PAPER TOWEL DISPENSER OFCI |
| 10-2800.E | SOAP DISPENSER OFCI |
| 11-7000.H | GLOVE BOX DISPENSER OFCI |
| 11-7000.R | STRETCHER,PATIENT |
| 12-5100.A2 | CHAIR, TASK W/ARMS OFOI |
| 12-5100.A3 | CHAIR, TASK W/ARMS OFOI |
| 12-5100.A12 | TABLE, TRAINING OFOI |
| 12-5119.A | FILE CABINETS, LATERAL OFOI |
| 13-4900.A | RADIATION SHIELDING, GLAZING |
| 13-4900.B | RADIATION SHIELDING, LEAD LAMINATED GYPSUM BOARD 5/8" |
| 22-0000.A4 | WALL MOUNTED CHINA HAND WASH SINK |

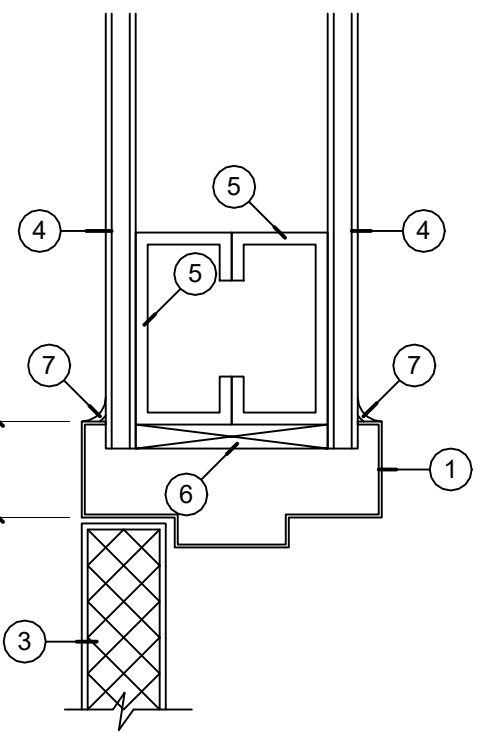
SHEET	PROJECT NUMBER 117043	A-18	DATE 02/22/18	SCALE 1/4" = 1'-0"	A	MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 86503 OTERO COUNTY RENOVATION & ADDITION IT, RADIOLOGY, BIO MED RENOVATION		DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL ENGINEERING ALBUQUERQUE AREA OFFICE 4155 Indian School Road NE Albuquerque, New Mexico 87110		INDIGENOUS DESIGN STUDIO - ARCHITECTURE LLC 3737 Princeton Dr. NE Ste. 130 Albuquerque, NM 87107 Tel: 505.225.2566 Fax: 505.225.2566	STAMP	MARK	DATE	DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
												0	JULY 2, 2018	ISSUE FOR CONSTRUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
												1	AUGUST 23, 2018	AMENDMENT 01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
												2	OCTOBER 14, 2022	AMENDMENT 22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
														ARCHITECTURAL MECHANICAL ELECTRICAL PLUMBING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</



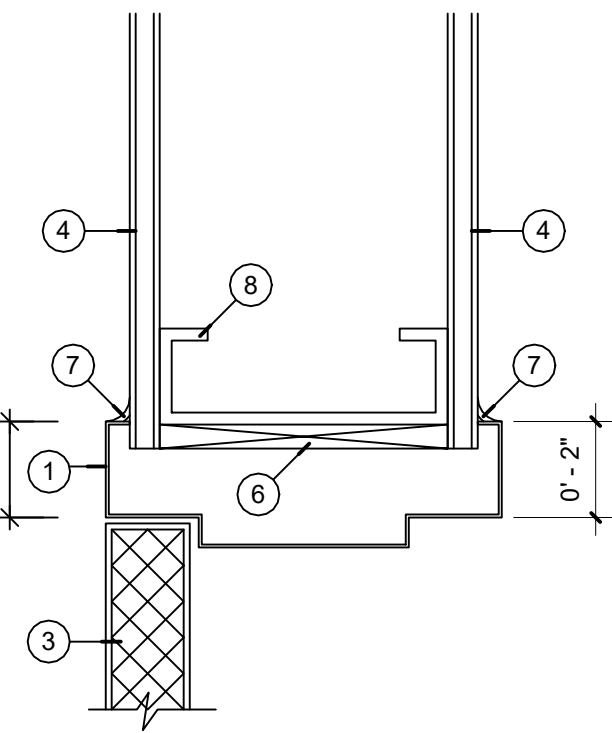
E1 4" STUD FRAMED WALL



E2 6" STUD FRAMED WALL



D1 HEAD / JAMB
Scale: 3"=1'-0"



D2 HEAD / JAMB (INT.)
Scale: 3"=1'-0"

- KEYED NOTES:
1. HOLLOW METAL FRAME, INSULATED, AS SCHEDULED.
 2. PROVIDE ANCHORS AS REQUIRED.
 3. DOOR, AS SCHEDULED.
 4. 5/8" TYPE 'X' GYPSUM BOARD, AS SCHEDULED.
 5. 4" STUD FRAMING.
 6. SHIM AS REQUIRED.
 7. CONTINUOUS SEALANT.
 8. 6" STUD FRAMING.

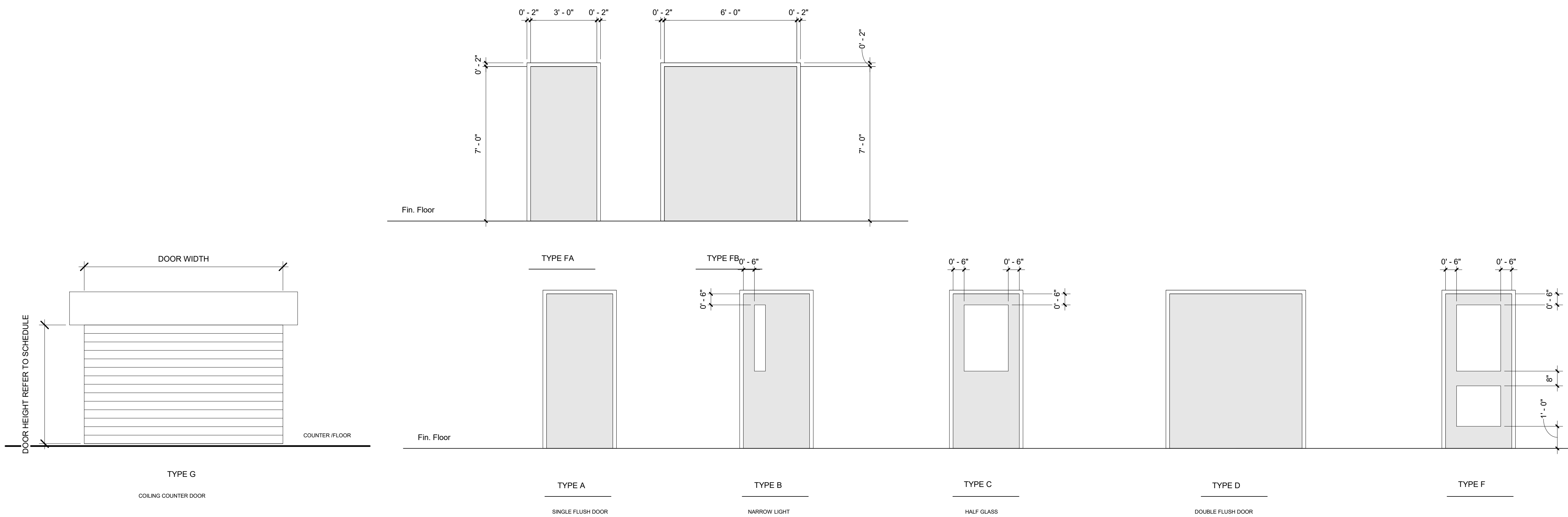
C1 DOOR DETAILS
3" = 1'-0"

DOOR SCHEDULE														
DOOR NO.	DOOR Qty	DOOR Size		DOOR TYPE	DOOR MAT.	FRAME TYPE	FRAME	DETAILS H	DETAILS J	DETAILS S	FIRE RATING UL INC.	HDMR SET NO.	Comments	
		W	H											
1000A	1	5'-2"	6'-6"	0'-2"		SLIDING	ALUM.					01	HARDWARE BY DOOR MANUFACTURER	
1000B	1	8'-0"	7'-5 3/4"			SLIDING	ALUM.					01	HARDWARE BY DOOR MANUFACTURER	
1101A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM					04	
1101B	1	5'-0"	5'-4 1/2"	0'-2"	G	STL						12	LIGHT GREY FINISH	
1101C	1	5'-0"	5'-4 1/2"	0'-2"	G	STL						12	LIGHT GREY FINISH	
1101D	1	4'-4"	5'-4 1/2"	0'-2"	G	STL						12	LIGHT GREY FINISH	
1101G	1	4'-5 17/32"	6'-6 3/4"											
1102A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				11		
1103A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07		
1105A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				05		
1105B	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				05		
1106A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				08		
1107A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07		
1108A	2	5'-0"	7'-0"	0'-1 3/4"	D	WD	FB	HM				13		
1110A	1	3'-0"	7'-0"	0'-1 3/4"	A	HM	FA	HM				02		
1111A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07	RECESS PROXIMITY SCAN LOCK	
1112A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1114A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1115A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1116A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1118A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1120A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09	NEGATIVE PRESSURE ALARM	
1122A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1124A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1126A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1127A	1	3'-0"	7'-0"	0'-1 3/4"	F	WD	FA	HM				04		
1128A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1130A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1132A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1134A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1136A	1	3'-0"	7'-0"	0'-1 3/4"	C	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1137A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				03	RECESS PROXIMITY SCAN LOCK	
1139A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				03	RECESS PROXIMITY SCAN LOCK	
1140A	1	3'-0"	7'-0"	0'-1 3/4"	C	WD	FA	HM				04	RECESS PROXIMITY SCAN LOCK	
1141A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				03	RECESS PROXIMITY SCAN LOCK	
1142A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				06	(remote unlock)	
1142B	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				06		
1143A	1	6'-0"	5'-4 1/2"	0'-2"	G	STL						12	LIGHT GREY FINISH	
1144A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				06	(remote unlock)	
1144B	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				06		
1147A	1	3'-0"	7'-0"	0'-1 3/4"	C	WD	FA	HM				05		
1149A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1150A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				04		
1155A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				04		
1160A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1162A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07		
1163A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				04		
1164A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1165A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				03		
1166A	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				09		
1167A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	WD				04	RECESS PROXIMITY SCAN LOCK	
1175A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07		
1177A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1178A	1	3'-6"	7'-0"	0'-1 3/4"	B	WD	FA	HM				05		
1180A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				09		
1181A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				04	RECESS PROXIMITY SCAN LOCK	
1181B	1	3'-0"	7'-0"	0'-1 3/4"	B	WD	FA	HM				04		
1182A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				05		
1183A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1184A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				08		
1187A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				07		
1188A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				11	RECESS PROXIMITY SCAN LOCK	
1189A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				03		
2100A	1	3'-0"	7'-0"	0'-1 3/4"	A	WD	FA	HM				10		
2102A	1	3'-0"	7'-0"	0'-1 3/4"	A	HM	FA	HM				10		

- GENERAL NOTES**
1. ALL NOTES ARE TO THE FACE OF STUD OR MASONRY UNIT
 2. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INFORM THE OFFICE OF THE ARCHITECT OF DISCREPANCIES PRIOR TO COMENCING WORK
 3. CONTRACTOR SHALL PROVIDE BLOCKING AT ALL LOCATIONS OF ATTACHMENTS, WALL HUNG CABINETS, ACCESSORIES AND HARDWARE.
 4. PROVIDE CONTINUOUS CAULKING AT ALL JOINTS OF DISSIMILAR FINISH AND MATERIAL AS REQUIRED FOR FIRE STOPPING
 5. CONTRACTOR SHALL PROVIDE FULL INSTALLATION OF EQUIPMENT AND APPLIANCES AS DEPICTED AND ALL APPURTENANCES NECESSARY FOR INSTALLATION UNLESS NOTED OTHERWISE
 6. REFER TO INTERIOR ELEVATIONS FOR CASEWORK, ACCESSORIES AND EQUIPMENT, AS OCCURS, FOR INSTALLATION
 7. FURNITURE IS SHOWN AS GUIDE.
 8. ALL WALLS ARE TO BE TYPE A PARTITIONS UNLESS OTHERWISE NOTED.
 9. REFERENCE REFLECTED CEILING PLAN FOR CEILING HEIGHTS.

SHEET KEYNOTES

REFERENCE KEYNOTES



MARK	DATE	DESCRIPTION	STAMP
0	JULY 23, 2018	ISSUE FOR CONSTRUCTION	INDIAN HEALTH SERVICE INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110
1	AUGUST 23, 2018	AMENDMENT 01	
2	OCTOBER 14, 2022	AMENDMENT 02	REGISTERED ARCHITECT
3	APPROVED	ARCHITECTURAL	REGISTERED ARCHITECT
4	APPROVED	MECHANICAL	REGISTERED ARCHITECT
5	APPROVED	ELECTRICAL	REGISTERED ARCHITECT
6	APPROVED	PLUMBING	REGISTERED ARCHITECT

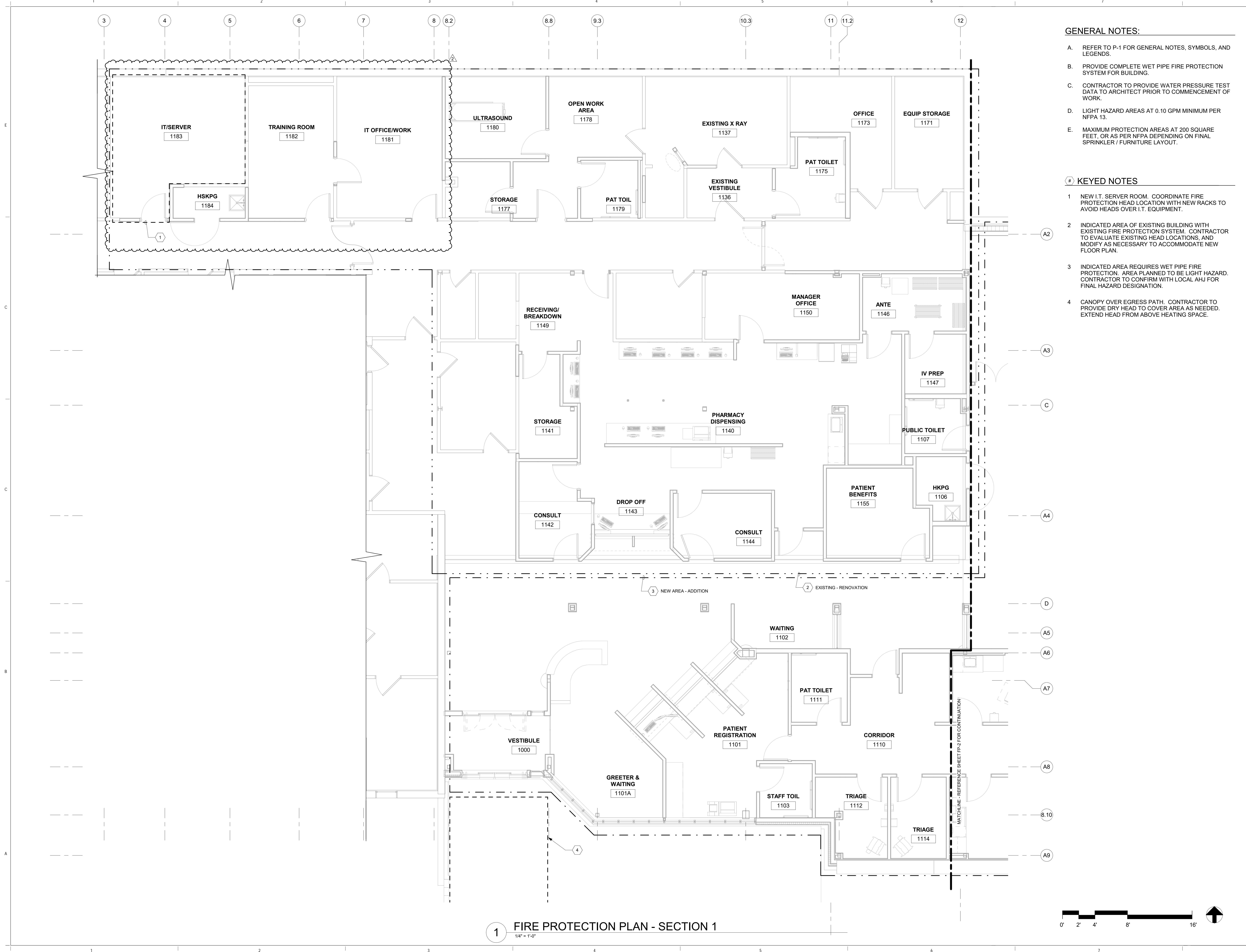
INDIAN HEALTH SERVICE
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE Albuquerque, New Mexico 87110

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 86033 OTERO COUNTY
RENOVATION & ADDITION
DOOR AND OPENING SCHEDULES

DRWN BY
CHKD BY
SCALE
1/4" = 1'-0"
DATE
02/20/18
A-20
PROJECT NUMBER
117043
SHEET
of

\\gim-fserver\Users\Bryan\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLF.rvt



1 FIRE PROTECTION PLAN - SECTION 1
1/4" = 1'-0"



- GENERAL NOTES:**
- REFER TO P-1 FOR GENERAL NOTES, SYMBOLS, AND LEGENDS.
 - PROVIDE COMPLETE WET PIPE FIRE PROTECTION SYSTEM FOR BUILDING.
 - CONTRACTOR TO PROVIDE WATER PRESSURE TEST DATA TO ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
 - LIGHT HAZARD AREAS AT 0.10 GPM MINIMUM PER NFPA 13.
 - MAXIMUM PROTECTION AREAS AT 200 SQUARE FEET, OR AS PER NFPA DEPENDING ON FINAL SPRINKLER / FURNITURE LAYOUT.

- KEYED NOTES**
- NEW I.T. SERVER ROOM. COORDINATE FIRE PROTECTION HEAD LOCATION WITH NEW RACKS TO AVOID HEADS OVER I.T. EQUIPMENT.
 - INDICATED AREA OF EXISTING BUILDING WITH EXISTING FIRE PROTECTION SYSTEM. CONTRACTOR TO EVALUATE EXISTING HEAD LOCATIONS, AND MODIFY AS NECESSARY TO ACCOMMODATE NEW FLOOR PLAN.
 - INDICATED AREA REQUIRES WET PIPE FIRE PROTECTION. AREA PLANNED TO BE LIGHT HAZARD. CONTRACTOR TO CONFIRM WITH LOCAL AHJ FOR FINAL HAZARD DESIGNATION.
 - CANOPY OVER EGRESS PATH. CONTRACTOR TO PROVIDE DRY HEAD TO COVER AREA AS NEEDED. EXTEND HEAD FROM ABOVE HEATING SPACE.

MARK	DATE	DESCRIPTION
01	07/20/2018	AMENDMENT 001
02	11/02/2021	AMENDMENT 002
APPROVED		ARCHITECTURAL
		MECHANICAL
		ELECTRICAL
		PLUMBING

PROFESSIONAL ENGINEER
21572
11-2-2021
INDIAN HEALTH SERVICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

ROCK GAP
CONSULTANT
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

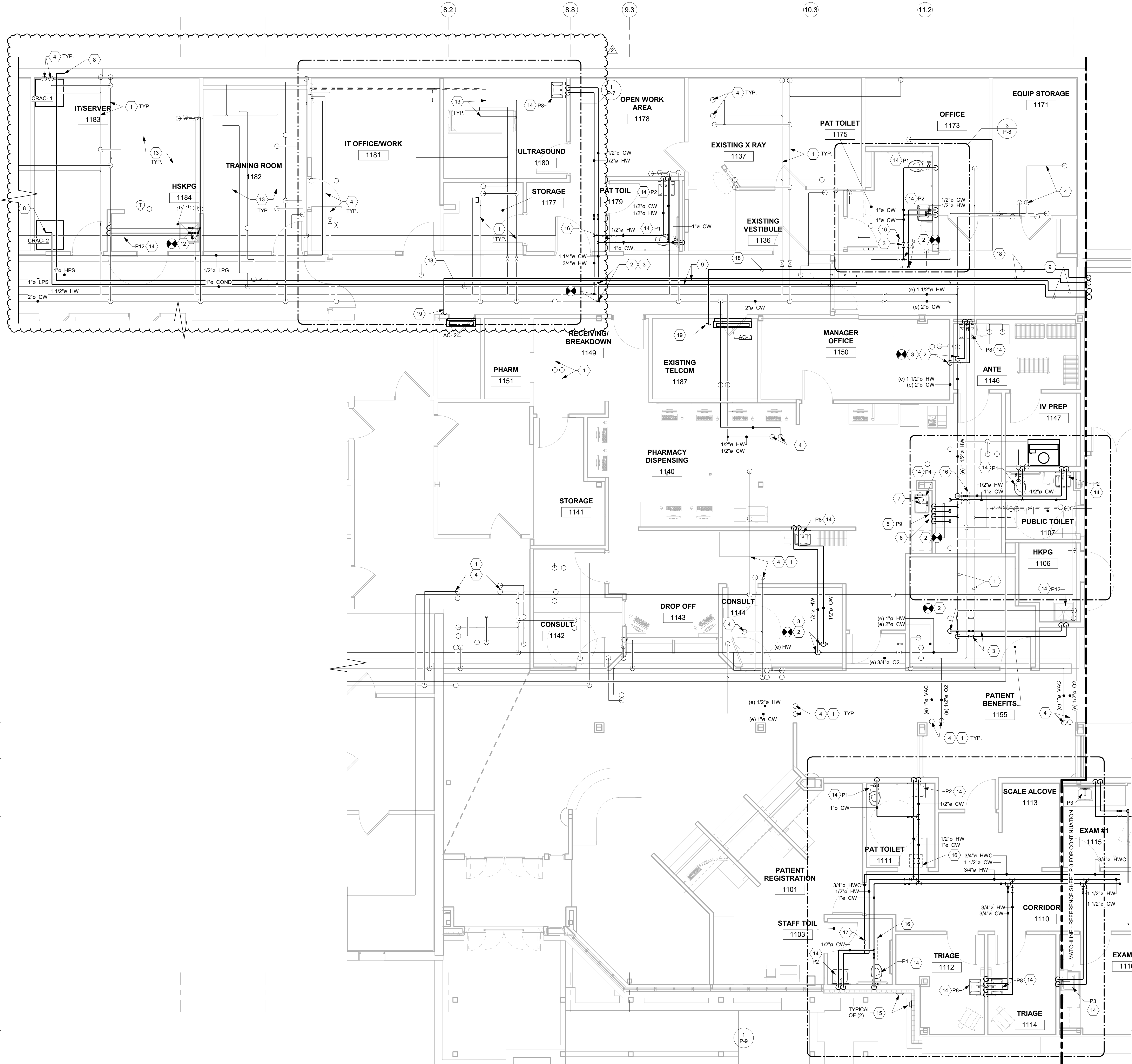
DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY
RENOVATION & ADDITION
FIRE PROTECTION PLAN

DRWN BY
MUUS
CHKD BY
BEST
SCALE
1/4" = 1'-0"
DATE
07/20/2018

FP-1
PROJECT NUMBER
117043
SHEET of

\\gim-fserver1\Servers\Bryan\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLMF.rvt



1 PLUMBING WATER PLAN - SECTION 1

1/4" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET P-1, GENERAL NOTES AND SPECIFICATION MANUAL FOR PRODUCT INFORMATION, PERFORMANCE REQUIREMENTS, SUBMITTALS AND ACCEPTABLE PRODUCT APPLICATION AND INSTALLATION.
- REFER TO SHEETS P-10 AND P-11 FOR DETAILS.
- REFER TO SHEETS P-12, RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- REFER TO SHEET P-14, PLUMBING FIXTURE SCHEDULE FOR FIXTURE, PIPE SIZING, AND ACCESSORIES INFORMATION.
- ALL PIPE ROUTING IS DIAGRAMMATIC.
- INSTALL ACCESS PANEL FOR VALVES AS REQUIRED. COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR.
- REFER TO STRUCTURAL DRAWINGS FOR COLUMN/FOOTING LOCATIONS.

KEYED NOTES

- EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE. AVOID DAMAGING THESE LINES WHEN INSTALLING / ROUTING NEW PIPES. COORDINATE WORK WITH OTHER TRADES.
- CONNECT NEW WATER SUPPLY LINE FROM EXISTING SUPPLY LINE TO NEW PLUMBING.
- PROVIDE ISOLATION VALVES ON ALL NEW PIPES, TYPICAL.
- EXISTING PIPES UP TO SECOND FLOOR TO REMAIN.
- ROUTE 1/2" CW AND 1/2" HW DOWN IN WALL TO THERMOSTATIC MIXING VALVE. EXTEND TEMPERED WATER LINE TO DECK OR WALL MOUNTED EYE WASH. INSTALL PER MANUFACTURER'S REQUIREMENTS. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- INSTALL EXISTING/RELOCATED PHARMACY DI UNIT UNDER CABINET. ROUTE CW TO DI UNIT. PROVIDE DRAIN, SHUT-OFF VALVE AND SUPPORT BRACKETS.
- EXISTING PIPING DOWN FROM FIXTURES ON SECOND FLOOR. ADJUST DROP AND OFFSET AS NECESSARY TO AVOID NEW STRUCTURE(S).
- ROUTE REFRIGERANT LIQUID AND SUCTIONS LINES TO CRAC UNITS. PROVIDE TRAPS AT BASE OF RISER FROM CEILING SPACE ON EACH PIPE. REFER TO MANUFACTURER FOR CONNECTION DETAILS. SHOWN AS SINGLE LINE FOR CLARITY.
- REFRIGERANT LIQUID AND SUCTION LINES TO CRAC UNITS. FIELD INSTALLED AND INSULATED PIPING INCLUDES TWO PIPES. SHOWN AS SINGLE LINE FOR CLARITY. HOT GAS PIPE 7/8" HORIZONTAL, 3/4" FOR VERTICAL RUNS. LIQUID PIPING 5/8".
- NOT IN USE.
- NOT IN USE.
- DISCONNECT WATER SUPPLY LINES FROM EXISTING UTILITY SINK AND CAP. PROVIDE NEW CONNECTION AND EXTEND CW & HW PIPING TO NEW JANITOR'S SINK. PROVIDE NEW SHUT-OFF VALVES. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- SUPPLY PIPING TO EQUIPMENT REMOVED IN THIS ROOM SHALL BE DEMO'D BACK TO SOURCE PIPING AND CAPPED.
- ROUTE CW AND HW SUPPLY LINES DOWN IN WALL. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING AND ADDITIONAL INFORMATION.
- ROUTE STORM PIPING DOWN IN CHASE. TURN PIPES OUT TO EXTERIOR. PROVIDE LAMB TONGUE ON OUTLET. MOUNT OUTLET AT 18" A.F.G.
- INSTALL ACCESS PANEL FOR VALVES AS REQUIRED. COORDINATE WITH ARCHITECT AND REFLECTED CEILING PLAN.
- INSTALL BALL VALVE ABOVE CEILING ON HWC LINE. SET VALVE FOR 0.5 GPM (ADJ.).
- REFRIGERANT LIQUID AND SUCTION LINES TO SPLIT-SYSTEM UNITS. FACTORY LINE SETS TWO PIPES. SHOWN AS SINGLE LINE FOR CLARITY.
- ROUTE REFRIGERANT PIPING TO INDOOR UNIT ON WALL. REFER TO MANUFACTURER'S INSTALLATION FOR CONNECTION.

MARK	DATE	DESCRIPTION
02	07/20/2018	REVISION 002
02	11/02/2021	AMENDMENT 002
APPROVED	ARCHITECTURAL	MECHANICAL
APPROVED	ELECTRICAL	PLUMBING

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTTERO COUNTY
RENOVATION & ADDITION
PLUMBING WATER PLAN - SECTION 1

DRWN BY
Martin

CHKD BY
Swiderski

SCALE
1/4" = 1'-0"

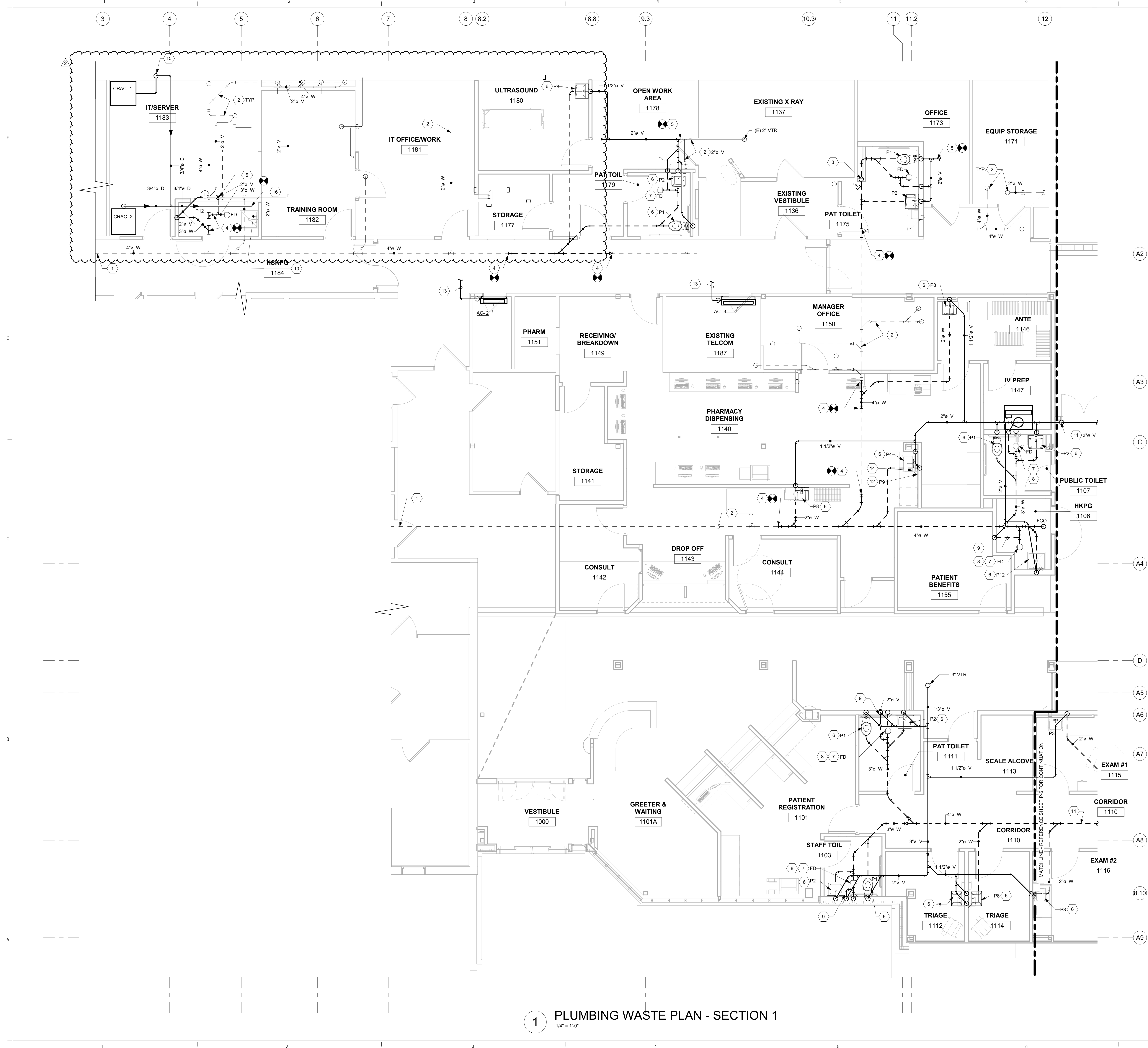
DATE
07/20/2018

P-2

PROJECT NUMBER
117043

SHEET
of

\\ngm-fserver1\Servers\BryanM\Documents\20-107 IHS Mescalero_MEP_v20_isaiahg\MLMF.rvt



1 PLUMBING WASTE PLAN - SECTION 1
1/4" = 1'-0"

- GENERAL NOTES:**
- REFER TO SHEET P-1, GENERAL NOTES AND SPECIFICATION MANUAL FOR PRODUCT INFORMATION, PERFORMANCE REQUIREMENTS, SUBMITTALS AND ACCEPTABLE PRODUCT APPLICATION AND INSTALLATION.
 - REFER TO SHEETS P-10 AND P-11 FOR DETAILS.
 - REFER TO SHEETS P-12, RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - REFER TO SHEET P-14, PLUMBING FIXTURE SCHEDULE FOR FIXTURE, PIPE SIZING, AND ACCESSORIES INFORMATION.
 - ALL PIPE ROUTING IS DIAGRAMMATIC.
 - INSTALL ACCESS PANEL FOR VALVES AS REQUIRED. COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR.
 - REFER TO STRUCTURAL DRAWINGS FOR COLUMN/FOOTING LOCATIONS.

- KEYED NOTES**
- EXISTING 4" SANITARY WASTE LINE. REFER TO CIVIL SITE PLAN FOR CONTINUATION.
 - EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE. AVOID DAMAGING THESE LINES WHEN INSTALLING / ROUTING NEW PIPES. COORDINATE WORK WITH OTHER TRADES.
 - EXISTING PIPING DOWN FROM FIXTURES ON SECOND FLOOR - LOCATION IS APPROXIMATE. ADJUST DROP AND OFFSET AS NECESSARY TO CONNECT EXISTING PIPING TO NEW PIPING, UTILIZING MECHANICAL CHASE.
 - CONNECT NEW WASTE LINE TO EXISTING WASTE LINE.
 - CONNECT NEW VENT PIPING TO EXISTING VENT STACK IN CEILING PLENUM. CONTRACTOR TO FIELD VERIFY VENT STACK PRIOR TO ANY WORK.
 - WASTE AND VENT PIPING FROM PLUMBING FIXTURE. PROVIDE WCO, WALL CLEANOUT TYPICAL. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING AND ADDITIONAL INFORMATION.
 - FD, FLOOR DRAIN WITH ELASTOMERIC TRAP GUARD / SEAL. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
 - INSTALLATION / FINAL LOCATION OF FD, FLOOR DRAIN SHALL BE COORDINATED WITH SLOPE OF FLOOR.
 - 2" VENT ROUTED BELOW SLAB FROM FLOOR SINK OR FLOOR DRAIN. VENT PIPING UP ALONG WALL TO CEILING SPACE AND ROUTED AS SHOWN. OFFSET PIPING AS NECESSARY TO AVOID STRUCTURE
 - RENOVATED HOUSEKEEPING ROOM. PROVIDE NEW WASTE PIPING AND VENT AND CONNECT TO EXISTING WASTE AND VENT SYSTEM. PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING VENT STACK PRIOR TO NEW WORK.
 - REFER TO SHEET P-5, PLUMBING WASTE & VENT PLAN - SECTION 2 FOR CONTINUATION.
 - DECK OR WALL MOUNTED EYEWASH. COORDINATE INSTALLATION WITH SINK/DRAIN LOCATION.
 - CONDENSATE PIPING FROM PUMP IN A/C UNIT. REFER TO MANUFACTURER CUT-SHEET FOR CONNECTION LOCATION. FIELD COORDINATE ROUTING TO MOP SINK IN NEW HOUSEKEEPING ROOM 1154. PROVIDE DRIP-PAN TO PROTECT EQUIPMENT IN ROOM.
 - PROVIDE DRAIN PIPING FOR DI UNIT LOCATED UNDER SINK. DI UNIT IS EXISTING PHARMACY EQUIPMENT.
 - CONDENSATE PIPING FROM PUMP IN A/C UNIT. REFER TO MANUFACTURER CUT-SHEET FOR CONNECTION LOCATION. FIELD COORDINATE CONDENSATE PIPING TO AVOID EQUIPMENT. PROVIDE DRIP-PAN AS NEEDED TO PROTECT IT EQUIPMENT.
 - ROUTE CONDENSATE PIPING TO MOP SINK IN HOUSEKEEPING CLOSET. TERMINATE WITH DOWN-TURNED ELBOW IN SINK PER CODE.



MARK	DATE	DESCRIPTION	AMENDMENT 002	APPROVED	PLUMBING
02	07/20/2018	11/02/2021			
CONSULTANT PROCK GAP ARCHITECTURAL MECHANICAL ELECTRICAL PLUMBING 4101 Indian School Road NE Albuquerque, New Mexico 87110					
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110					
MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY RENOVATION & ADDITION PLUMBING WASTE PLAN - SECTION 1					
DRWN BY MUJUS CHKD BY BEST SCALE 1/4" = 1'-0" DATE 07/20/2018 P-4 PROJECT NUMBER 117043 SHEET of					

\\ngm-fserver\Servers\Brynn\Documents\20-107 IHS Mescalero_MEP_V20_Isaiah\MLMF.rvt

WATER HEATER SCHEDULE												
SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	TEMPERATURE RISE (°F)	OUTLET TEMP (°F)	TANK VOLUME (GALLON)	BTU INPUT (MBH)	BTU OUTPUT (MBH)	RECOVERY @ 90°F	VOLT / PH	MOCP	APPROX. WEIGHT (LBS.)
WH-1	A.O. SMITH BT-60	LIQUID PROPANE GAS STORAGE	DOMESTIC HOT WATER	85	140	55	60	54	58	120/1ø	15	185

NOTES:
1. POWERED DIRECT VENT WATER HEATER
2. UNIT SELECTED FOR OPERATION AT 6700' ELEVATION
3. PROVIDE STAINLESS STEEL VENTING KIT

MIXING VALVE SCHEDULE											
SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	LOCATION	OUTLET TEMP (°F)	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	FLOW RATE	PRESSURE DROP	REMARKS
TMX-1	LEONARD MEGATRON 4NB-LF	BI-METALIC	DOMESTIC HOT WATER	MECHANICAL ROOM	120	1-1/4"	1-1/4"	3/4"	30 GPM	5 PSI	SEE NOTE 1

NOTES:
1. HIGH-LOW MIXER, PRE PIPED, FLOOR MOUNT, CIRCULATOR BY PLUMBING CONTRACTOR PER SCHEDULE, PIPING METHOD 5, DIAL THERMOSTAT ON DISCHARGE

DOMESTIC CIRCULATOR PUMP SCHEDULE											
MARK	LOCATION	SERVICE	GPM	HEAD PRESSURE (FT H2O)	MOTOR POWER (WATTS)	ELECTRICAL			WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
						VOLT / PH	MCA	MOCP			
CP-1	MECHANICAL ROOM	DOMESTIC WATER CIRCULATOR	5	25	370	120/1ø	3.5	15	17	GRUNDFOS UPS25-100	SEE NOTE 1

NOTES:
1. MOUNT PUMP IN MIXING VALVE ASSEMBLY ON WALL. PROVIDE WITH T-STAT AND TIMER FOR CONTROL.

WATER SOFTENER SCHEDULE											
SYMBOL	DESCRIPTION	MANUFACTURER AND MODEL	ELECTRICAL			CONNECTIONS				NOTES	
			VOLT / PH	MCA	MOCP	CW	HW	WASTE	VENT		
WS-1	DUPLEX WATER SOFTENER SYSTEM	CULLIGAN CTM-90-PF MULTI-TANK SYSTEM	120/1	-	-	2"	-	1-1/2"	-	DUPLEX PROGRESSIVE FLOW COMMERCIAL WATER SOFTENER SYSTEM WITH GBE SMART CONTROLLER, 3 CUBIC FEET OF RESIN PER SOFTENER TANK AND 24" X 30" BRINE SYSTEM. (2) MINERAL TANKS, (2) VACUUM BREAKERS AND (2) 2" WATER METERS.	
BR	BRINE RECLAIM KIT	CULLIGAN								BRINE RECLAIM KIT WITH MVP ELECTRONIC CONTROLLER, PROVIDE WITH 120V TO 24V TRANSFORMER.	
ST	STORAGE TANK	CULLIGAN								(1) 100 GALLON STORAGE TANK	
RP	REPRESSURIZATION PUMP	CULLIGAN MQ3-45								(1) REPRESSURIZATION PUMP	

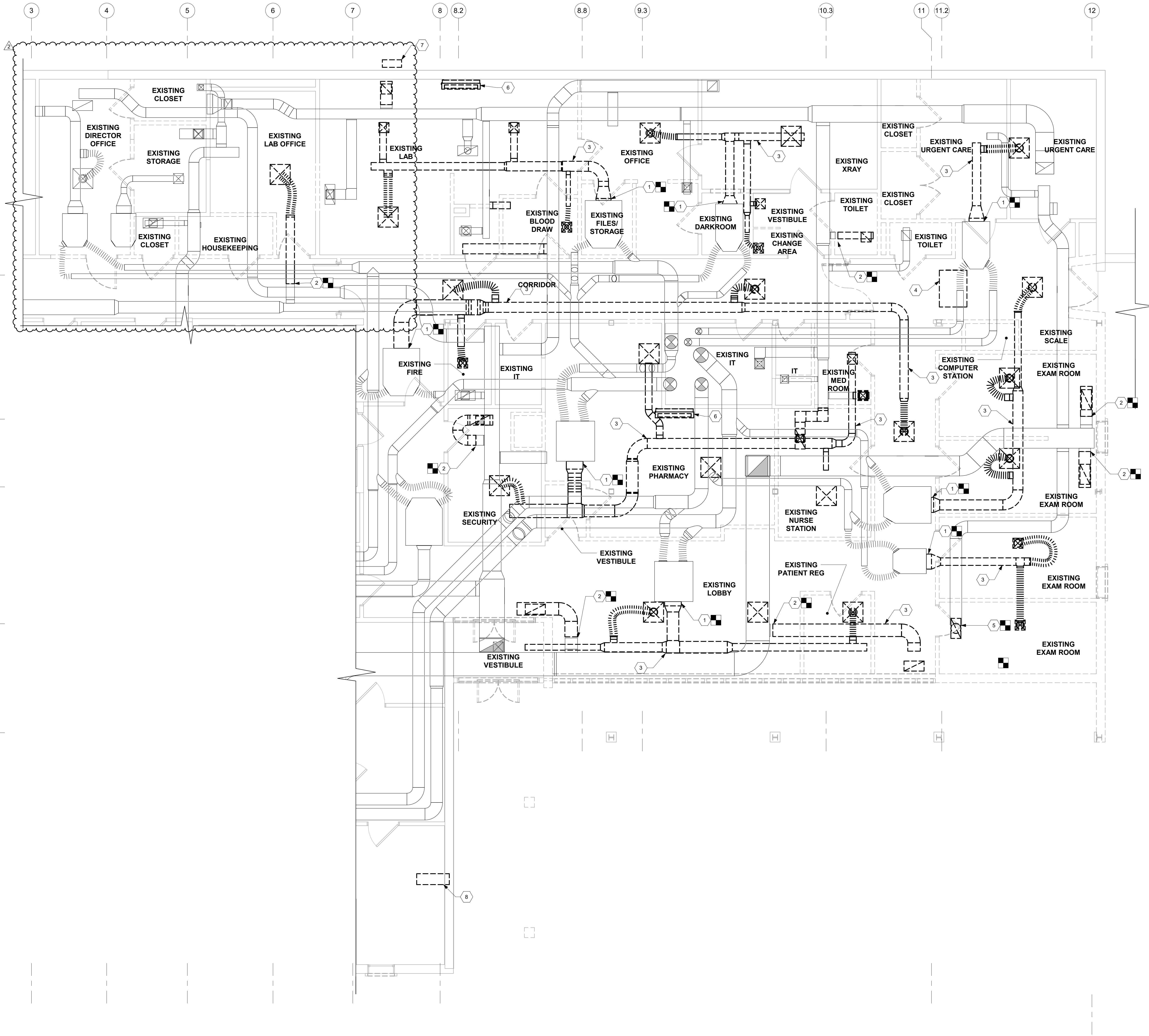
HUMIDIFIER											
MARK	LOCATION	SERVICE	NOMINAL OUTPUT CAPACITY	FAN CFM	ELECTRICAL			DIMENSIONS (L x D x H)	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
					VOLT / PH	VA	WATTS				
HUM-1	LAB	HUMIDIFIER	25 LB/Hr	180	120/1ø	700	35	29" x 16" x 13"	42	HUMIDIFIRST MP-25	OPTIONS INCLUDES SEE NOTE 1
HUM-2	LAB	HUMIDIFIER	25 LB/Hr	180	120/1ø	700	35	29" x 16" x 13"	42	HUMIDIFIRST MP-25	OPTIONS INCLUDES SEE NOTE 1

NOTES:
1. MASTER CONTROL PANEL
2. DIGITAL HUMIDISTAT WITH CABLE
3. WALL MOUNT STAINLESS STEEL MOUNTING SHELF WITH 3/4" fpt OVERFLOW DRAIN ATTACHMENT.
4. 10' QUICK DISCONNECT CONTROL HARNESS BETWEEN MP & PANEL
5. S2P SUPPLY WATER DEBRIS STRAINER
6. ULTRA-PULSE TIME DELAY RELAY FOR ADJUSTABLE MIST DISCHARGE.
7. MANUAL DRAIN VALVE WITH TUBING TO SHELF.

PLUMBING FIXTURE SCHEDULE												
SYMBOL	DESCRIPTION	ADA	MANUFACTURER AND MODEL	FAUCET MANUFACTURER AND MODEL NUMBER	ACCESSORIES	CONNECTIONS				REMARKS	LEED FLOW RATE	
						CW	HW	WASTE	VENT			
P1	WATER CLOSET	NO	KOHLER, HIGHCLIFF ULTRA K-96057-SSL OR APPROVED EQUAL	KOHLER, K-13517 WC FLUSHOMETER MANUAL FLUSH VALVE AT 1.28	KOHLER, LUSTRA K-4670-SA ELONGATED OPEN FRONT WHITE SEAT LESS COVER	1-1/2"	-	4"	2"	VITREOUS CHINA, FLUSH VALVE, FLOOR MOUNTED, SIPHON JET, 1-1/2" TOP SPUD, CHINA BOLT CAPS, ELONGATED BOWL, 16-1/2" RIM. COLOR: WHITE	1.28 GPF	
P2	WALL-HUNG LAVATORY	YES	KOHLER, GREENWICH K-2030 OR APPROVED EQUAL	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	1/2"	1/2"	2"	1-1/2"	21" X 18" VITREOUS CHINA, WALL MOUNTED LAVATORY WITH CONCEALED ARM CARRIER, (8" CENTERS), KOHLER K-7129-A GRID DRAIN WITH OVERFLOW, (2) ANGLE SUPPLY VALVE WITH STOP AND SUPPLY FLEXIBLE RISER, K-8998 P-TRAP, TRUBERO 103 E-Z LAV GUARD. SEE MANUFACTURER'S ROUGH-IN INSTRUCTIONS PRIOR TO ROUGH-IN FOR PROPER MOUNTING DETAILS. COLOR: WHITE	0.5 GPM	
P3	EXAM ROOM SINK	YES	ELKAY, LRAD1720 TOP MOUNT OFF-CENTERED REAR DRAIN -OR- APPROVED EQUAL	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	1/2"	1/2"	2"	1-1/2"	OFF-CENTERED REAR DRAIN 17" x 20" x 6-1/2" DEEP 18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL, SINGLE COMPARTMENT SINK, SELF-RIMMING, AND COATED UNDERSIDE. SPECIFY SINK WITH 2-HOLES AT 4" CENTERS, GOOSENECK FAUCET.	0.5 GPM	
P4	SINGLE COMPARTMENT SINK (PHARMACY)	YES	ELKAY, LR2521 TOP MOUNT OFF-CENTERED REAR DRAIN -OR- APPROVED EQUAL	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	1/2"	1/2"	2"	1-1/2"	OFF-CENTERED REAR DRAIN 26" x 21" x 7-1/2" DEEP 18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL, SINGLE COMPARTMENT SINK, SELF-RIMMING, AND COATED UNDERSIDE. SPECIFY SINK WITH 4-HOLES AT 4" CENTERS AND (2) ESCUTCHEON COVERS. DECK MOUNTED EYE-WASH WILL RESIDE IN THE 4TH HOLE.	-	
P5	SINGLE COMPARTMENT SINK (LAB - CLEAN RM.)	YES	JUST MFG SLF-ADA-2131-A-GR OFF-CENTERED REAR DRAIN	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	1/2"	1/2"	2"	1-1/2"	31" x 21" x 6-1/2" DEEP 18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL, SINGLE COMPARTMENT SINK, SELF-RIMMING, AND COATED UNDERSIDE. SPECIFY SINK WITH 2-HOLES AT 4" CENTERS, GOOSENECK FAUCET.	-	
P6	DOUBLE COMPARTMENT SINK (LAB - DIRTY SINK)	YES	JUST MFG DF-ADA-1933-1-GR OFF-CENTERED REAR DRAIN	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	1/2"	1/2"	2"	1-1/2"	OFF-CENTERED REAR DRAIN 33" x 19" x 6-1/2" DEEP, INTEGRAL-FLOW OVERFLOW SYSTEM.	-	
P7	2-COMPARTMENT SINK WITH LEFT & RIGHT DRAINBOARDS (PRIMARY CARE)	NO	ELKAY FOOD SERVICE #14-2C18X24-2-18X 18" L x 24" W x 14" D	CHICAGO 116.427 AB.1 TOUCHLESS FAUCET AT 1.5 GPM, SINGLE HOLE, 5-1/4" GOOSENECK SPOUT	CHICAGO TRANSFORMER 243.259.00.1, CONNECTION WIRE 242.340.00.1, THERMOSTATIC MIXER 131-ABNF	3/4"	3/4"	3"	2"	ELKAY PART #14-2C18X24-2-18X, EAN #009490269594 16-GAUGE, 300 SERIES STAINLESS STEEL, DOUBLE COMPARTMENT SINK WITH DRAINBOARDS AT 18" L x 24" W x 14" D. HEIGHT 43.75", 74" LONG, 197 LBS. 9" BACKSPLASH WITH 8" CENTER FAUCET HOLES.	-	
P8	WALL HUNG HAND SINK	YES	ELKAY, WCL19230SDC LAVATORY SINK & FAUCET KIT	FAUCET INCLUDED (ELKAY LK02325BHSIC)	ADA COMPLIANT, STAINLESS STEEL, ELKAY DRAIN INCLUDED, CARRIER WITH CONCEALED ARM SUPPORT, ANGLE SUPPLY VALVE WITH STOP, SUPPLY FLEXIBLE RISER AND P-TRAP, TRUBERO LAV GUARD	1/2"	1/2"	-	-	19" x 23" x 4" DEEP 18 GAUGE, TYPE 304 NICKEL BEARING STAINLESS STEEL, LAVATORY SINK KIT, AND COATED UNDERSIDE. REAR CENTER DRAIN, GOOSENECK FAUCET.	-	
P9	DECK MOUNTED EYEWASH	YES	GUARDIAN GBF1849LH-R	-	ADA COMPLIANT, POLISHED CHROME PLATED BRASS, PLASTIC DUST COVER, G3600LF THERMOSTATIC MIXING VALVE WITH BOX	1/2"	1/2"	-	-	DECK MOUNTED, BARRIER FREE AUTOFLOW SWING DOWN EYEWASH, ADA COMPLIANT. TWO GS SPRAY HEADS WITH DUST COVER, INTERNAL FLOW CONTROL AND FILTER, PROVIDE MIXING VALVE, SET FOR 85°F OUTLET WATER TEMP.	-	
P10	WALL MOUNTED EYEWASH	YES	GUARDIAN G1849LH-L	-	ADA COMPLIANT, POLISHED CHROME PLATED BRASS, PLASTIC DUST COVER, G3600LF THERMOSTATIC MIXING VALVE WITH BOX	1/2"	1/2"	-	-	WALL MOUNTED, BARRIER FREE AUTOFLOW SWING DOWN EYEWASH, ADA COMPLIANT. TWO GS SPRAY HEADS WITH DUST COVER, INTERNAL FLOW CONTROL AND FILTER, PROVIDE MIXING VALVE, SET FOR 85°F OUTLET WATER TEMP.	-	
P11	ELECTRIC WATER COOLER DUAL-STATION, WITH BOTTLE FILL	YES	ELKAY MODEL LZSTL8GSC OR APPROVED EQUAL	-	P-TRAP AND SERVICE STOPS. ONE-PIECE VANDAL RESISTANT BUBBLERS AND FILTER	1/2"	-	1-1/2"	1-1/4"	ADA COMPLIANT, BARRIER-FREE ACCESS, LEAD FREE, SELF-CONTAINED, WALL-HUNG ELECTRIC REFRIGERATED WATER COOLER WITH BARRIER FREE ACCESS, SELF-CLOSING EASY-TOUCH CONTROLS ON FRONT AND BOTH RIGHT AND LEFT SIDES, TWO-TONE GRAY ON UPPER SHROUD WITH TEXTURED GRAY LOWER SHROUD, INTEGRAL GRID DRAIN, FLEXI-GUARD SAFETY BUBBLER, 4.0 GPM BASE RATE, 370 WATTS, 4.0 FULL LOAD AMPS, MOTOR COMPRESSOR 115V, 60HZ SINGLE PHASE, PROVIDE P-TRAP AND LOOSE KEY SUPPLY AND STOP, INSTALL PER ADA AND MANUFACTURER'S REQUIREMENTS.	-	
P12	JANITOR SINK	N/A	FIAT, TSB 100 OR APPROVED EQUAL	830-AA CHROME SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS	832-AA HOSE & HOOK, 889-CC HANGER AND CAST IRON P-TRAP	3/4"	3/4"	3"	2"	24" x 24" x 12" PRE-CAST TERRAZZO ONE PIECE MOP BASIN WITH STAINLESS STEEL CAPS ON ALL CURBS, PROVIDE ADJUSTABLE WALL BRACE, DIAL HOOK AND HOSE THREADED ON SPOUT, PROVIDE CONCRETE ANCHORS, BOLTS AND WASHERS AS REQUIRED FOR A SECURE INSTALLATION	-	
P13	ROOF DRAIN	N/A	JAY R. SMITH MODEL 1015	-	-	-	-	-	-	UNDERDECK CLAMP, VANDAL PROOF CAST IRON DOME, SUMP RECEIVER, ADJUSTABLE EXTENSION SLEEVE WHERE REQUIRED, SIZE PER PLAN	-	
P14	OVERFLOW ROOF DRAIN	N/A	JAY R. SMITH MODEL 1015	-	-	-	-	-	-	UNDERDECK CLAMP AND VANDAL PROOF CAST IRON DOME, ADJUSTABLE EXTENSION SLEEVE WHERE REQUIRED DUE TO ROOF CONSTRUCTION, PROVIDE 2" EXTERIOR WATER DAM, SIZE OF DRAIN NOTED ON PLANS.	-	
P15	DOWNSPOUT NOZZLE & COVER	N/A	FROET LPS	-	-	-	-	-	-	ROUND FABRICATED ALUMINUM FRAME. SIZE PER PLANS. COORDINATE COLOR WITH ARCHITECT	-	
P16	WALL HYDRANT	N/A	WOODFORD MODEL B65	-	-	3/4"	-	-	-	ANTI-SIPHON VACUUM BREAKER PROTECTED, FREEZE-LESS WALL HYDRANT HOUSED IN TAMPER RESISTANT BRASS BOX.	-	
FD	FLOOR DRAIN	-	ZURN 415S	-	TRAP-SEAL (JR SMITH 2692), GRID STRAINER	-	-	2"	1-1/2"	FLOOR DRAIN WITH STRAINER AND ELASTOMERIC TRAP SEAL, SQUARE 6"x 6" INLET STRAINER	-	
FS	FLOOR SINK	-	ZURN Z1902	-	TRAP-SEAL (JR SMITH 2692), INTERIOR DOME STRAINER, FULL GRATE UNLESS NOTED ON PLANS.	-	-	3	1-1/2"	FLOOR SINK WITH DOME STRAINER AND ELASTOMERIC TRAP SEAL. COORDINATE GRATE WITH PLANS.	-	
ET	EXPANSION TANK	N/A	AMTROL, ST-S-C THERM-X-TROL	-	-	-	-	-	-	TOTAL VOLUME 2.1 GALLONS, MAXIMUM ACCEPTANCE 9.0 GALLONS, 3/4" NPT SYSTEM CONNECTION, 200" MAXIMUM OPERATING TEMPERATURE, 150 PSIG MAXIMUM WORKING PRESSURE, 55 PSIG FACTORY PRECHARGE.	-	
HWCP	CIRCULATING PUMP	N/A	BELL & GOSSETT, NBF-12FL/W APPROVED EQUAL ARMSTRONG, TACO	-	-	-	-	-	-	MATERIAL - BRONZE, 3/4" FLANGE CONFIGURATION IN-LINE PUMP, CAPACITY: 17 GPM @ 12 FT. HEAD, 55W @ 2,800 RPM, 115V, 1 PH, 60 HZ. OPTIONS: AQUASTAT, AQ-34-P.	-	
WHA	WATER HAMMER ARRESTOR	N/A	JAY R. SMITH, 5010 OR APPROVED EQUAL	-	-	-	-	-	-	WATER HAMMER ARRESTOR: STAINLESS STEEL CONSTRUCTION, PRE-CHARGED, PERMANENTLY SEALED, PIPE SIZE: 1", P.D.I. UNIT RATINGS: 12-32	-	
RPBFP-1	REDUCE PRESSURE BACKFLOW PREVENTER	N/A	WATTS, SERIES 909	-	-	-	-	-	-	REDUCED PRESSURE ZONE ASSEMBLY WITH TWO IN-LINE CHECK VALVES, SIZE PER PLAN.	-	
RPBFP-2	REDUCE PRESSURE BACKFLOW PREVENTER (FIRE RISER)	N/A	FEBCO 880V MASTER SERIES	-	-	-	-	-	-	REDUCED PRESSURE ZONE ASSEMBLY DUCTILE IRON BODY WITH OS&Y RESILIENT WEDGE GATE VALVES. SIZE PER FIRE PROTECTION HYDRAULIC CALCULATIONS.	-	
BV	BALANCING VALVE	N/A	BELL, GOSSETT, CB-34S APPROVED EQUAL TACO FDI, MEPCO	-	-	-	-	-	-	POSITIVE SHUTOFF, MEMORY SETTINGS CONNECT: SOLDERED	-	
TMV	THERMOSTATIC MIXING VALVE	N/A	LEONARD, TM-20-E OR APPROVED EQUAL	3/4"	3/4"	-	-	-	-	THERMOSTATIC WATER MIXING VALVE, 3/4" NPT INLET AND OUTLET, 1 GPM MINIMUM FLOW.	-	
BFP-1	BACKFLOW PREVENTER	N/A	WATTS MODEL SD-2	-	-	-	-	-	-	LEAD-FREE BACKFLOW PREVENTER IS A DUAL CHECK VALVE, BODY AND ADAPTERS ARE OF 316 STAINLESS STEEL CONSTRUCTION AND ALL RUBBER COMPONENTS COMPLY WITH FDA REGULATIONS.	-	
TP	TRAP PRIMER	N/A	PRECISION PLUMBING, GOV'T-50 OR APPROVED EQUAL	1/2"	-	-	-	-	-	MACHINED BRASS, 1/2" MALE NPT INLET, 1/2" FEMALE OUTLET, CONTINUOUS FLOW TYPE NOT ALLOWED.	-	
WCO	WALL CLEANOUT	N/A	JAY R. SMITH, 4530S-U OR APPROVED EQUAL	-	-	-	-	-	-	DUCO CAST IRON CLEANOUT TEE AND COUNTERSUNK PLUG WITH STAINLESS STEEL ROUND COVER AND VANDAL PROOF SCREW, SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.	-	
FCO	FLOOR CLEANOUT	N/A	JAY R. SMITH, 4031L-U OR APPROVED EQUAL	-	-	-	-	-	-	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP, GASKET SEAL - ABS PLUG, SPEED-SET OUTLET AND VANDAL PROOF TOP, SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.	-	
DCO	DOUBLE CLEANOUT EXTERIOR	N/A	JAY R. SMITH, 4250S-U OR APPROVED EQUAL	-	-	-	-	-	-	(2) DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORATED CAST IRON COVER WITH LIFTING DEVICE, NO-HUB OUTLET AND VANDAL PROOF TOP, SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.	-	
CO	CLEANOUT EXTERIOR	N/A	JAY R. SMITH, 4250S-U OR APPROVED EQUAL	-	-	-	-	-	-	DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORATED CAST IRON COVER WITH LIFTING DEVICE, NO-HUB OUTLET AND VANDAL PROOF TOP, SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.	-	

MARK	DATE	DESCRIPTION	AMENDMENT 002	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING		
			02	11/02/2021	APPROVED				
			CONSULTANT						
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110									
DRWN BY MARTIN									
CHKD BY SWIDERSKI									
SCALE 1/8" = 1'-0"									
DATE 07/20/2018									
PROJECT NUMBER 117043									
SHEET of									

\\ngm-fserver\Users\BryanM\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLMF.rvt



1 HVAC MECHANICAL DEMO PLAN
1/4" = 1'-0"

GENERAL NOTES:

- A REFER TO M-1 FOR SYMBOLS AND LEGEND, AND M-2 FOR GENERAL NOTES.
B REFER TO M-7 FOR DETAILS.
C REFER TO M-8 FOR EQUIPMENT SCHEDULES.

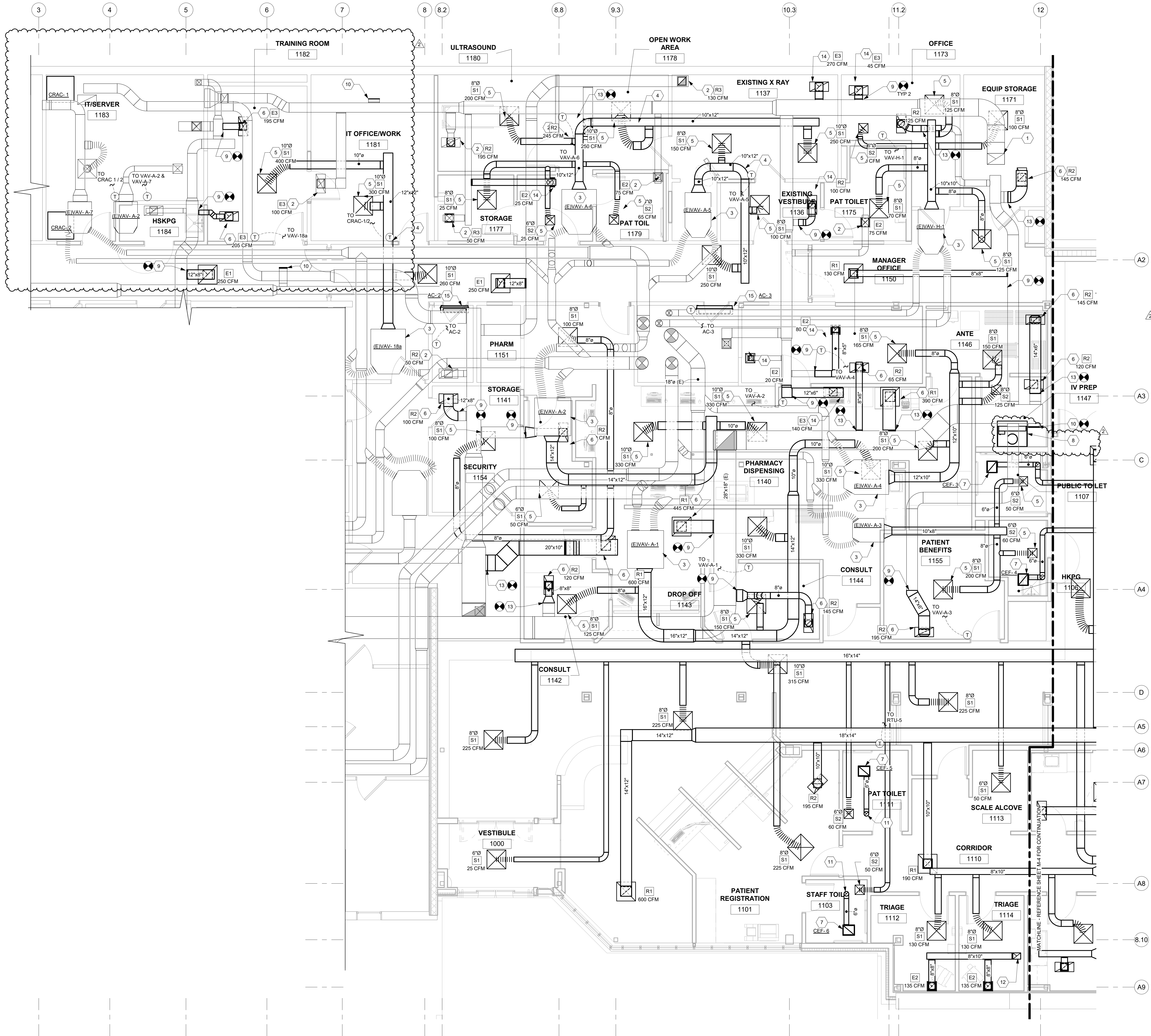
KEYED NOTES

- 1 DISCONNECT OUTLET DUCTWORK FROM MIXING BOX ABOVE CEILING. BOX TO REMAIN FOR RE-USE IN NEW CONSTRUCTION. REMOVE OUTLET DUCTWORK AND DIFFUSERS COMPLETE
2 DISCONNECT DUCTWORK FROM MAINS AS SHOWN. REFER TO NEW WORK FOR RECONNECTION OR CAPPING.
3 REMOVE DUCTWORK AND HANGERS FROM ABOVE CEILING SPACE AS SHOWN.
4 REMOVE EXISTING FAN COIL COMPLETE. DISCONNECT SUPPLY AND RETURN WATER PIPES, CAP AND SEAL. REMOVE ELECTRICAL CONNECTIONS. REFER TO ELECTRICAL FOR CIRCUIT DETAILS.
5 REMOVE EXISTING RETURN GRILLE. REMOVE CONNECTION BACK TO MAIN DUCT. PATCH AND SEAL MAIN DUCT.
6 EXISTING DX SPLIT SYSTEM ON WALL. REMOVE UNIT AND ASSOCIATED PIPING COMPLETE. REMOVE REFRIGERANT LINE-SET BETWEEN UNIT AND OUTDOOR UNIT.
7 APPROXIMATE LOCATION OF LAB OUTDOOR SPLIT-SYSTEM. UNIT IS LOCATED AT GRADE NEAR THE SECOND FLOOR EMERGENCY ENTRANCE. CONTRACTOR TO REMOVE OUTDOOR UNIT DURING DEMO.
8 APPROXIMATE LOCATION OF PHARMACY OUTDOOR SPLIT-SYSTEM. UNIT IS LOCATED ON THE ROOF OF THE FIRST FLOOR ABOVE THE ENTRY CANOPY. CONTRACTOR TO REMOVE OUTDOOR UNIT AND ASSOCIATED REFRIGERANT PIPING DURING DEMO.



MARK		DATE	DESCRIPTION	APPROVED		ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
02		07/20/2018	AMENDMENT 002						
07/20/18		<div><div>Professional Engineer Seal: 21572, 11-2-2021, PROFESSIONAL ENGINEER</div><div>Consultant: ROCK GAP CONSULTANTS, P.C.</div><div>Indian Health Service Seal: INDIAN HEALTH SERVICE, 4551 Indian School Road NE, Albuquerque, New Mexico 87110</div><div>DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4551 Indian School Road NE Albuquerque, New Mexico 87110</div><div>MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 88503 OTERO COUNTY RENOVATION & ADDITION MECHANICAL DEMO</div><div>DRWN BY VICUNA CHKD BY BEST SCALE 1/4" = 1'-0" DATE 07/20/2018 DM-1 PROJECT NUMBER 117043 SHEET of</div></div>							

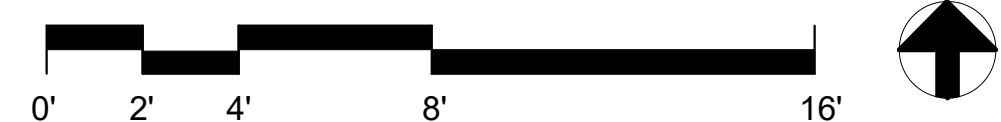
\\ngm-fserver\Users\bryan\Documents\20-107 IHS Mescalero MEP_v20_isaiah\MLF.rvt



- GENERAL NOTES:**
- A REFER TO M-1 FOR SYMBOLS AND LEGEND, AND M-2 FOR GENERAL NOTES.
 - B REFER TO M-7 FOR DETAILS.
 - C REFER TO M-8 FOR EQUIPMENT SCHEDULES.
 - D ALL AIRFLOWS MEET THE REQUIREMENTS OF INDIAN HEALTH SERVICE VOLUME III HEALTH CARE FACILITIES DESIGN AND CONSTRUCTION CHAPTER 21.4 MECHANICAL GUIDELINES
- KEYED NOTES**
- 1 EXISTING EXHAUST DUCT UP TO FAN IN PENTHOUSE.
 - 2 REBALANCE EXISTING DIFFUSER TO AIRFLOW SHOWN.
 - 3 EXISTING DUAL-DUCT MIXING BOX ABOVE CEILING. CONNECT NEW SUPPLY DUCT TO OUTLET OF EXISTING BOXES AS SHOWN.
 - 4 NEW SUPPLY DUCTWORK ABOVE CEILING.
 - 5 INSTALL NEW SUPPLY DIFFUSER. BALANCE TO AIRFLOW SHOWN.
 - 6 INSTALL NEW RETURN GRILLE. BALANCE TO AIRFLOW SHOWN.
 - 7 INSTALL NEW CEILING MOUNTED EXHAUST FAN. ROUTE EXHAUST DUCT TO ROOF OF NEW ADDITION.
 - 8 OFOI RE-CIRCULATING FUME HOOD IN PHARMACY. AIREGARD MODEL NU-240-330.
 - 9 POINT OF CONNECTION FROM EXISTING DUCT TO INSTALL NEW DUCT AND UNITS AS SHOWN ON PLAN.
 - 10 CAP AND SEAL EXISTING EXHAUST DUCT AT TAP. AIR TIGHT FOR FUTURE CONNECTION.
 - 11 ROUTE EXHAUST DUCT UP TO CAP ON ROOF.
 - 12 ROUTE EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
 - 13 CONNECT NEW RETURN DUCT INTO EXISTING.
 - 14 INSTALL NEW EXHAUST GRILLE. BALANCE TO AIRFLOW SHOWN.
 - 15 DX SPLIT SYSTEM AIR CONDITIONER MOUNTED ON WALL ABOVE DOOR.

1 HVAC MECHANICAL PLAN

1/4" = 1'-0"



MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002
02	11/02/2021	

APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
----------	---------------	------------	------------	----------

INDIAN HEALTH SERVICE
PHS - 1955

Consultant

ROCK GAP
P E E T E C E

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88503 OTERO COUNTY
RENOVATION & ADDITION
MECHANICAL PLAN - SECTION 1

DRWN BY
Martin

CHKD BY
Swiderski

SCALE
1/4" = 1'-0"

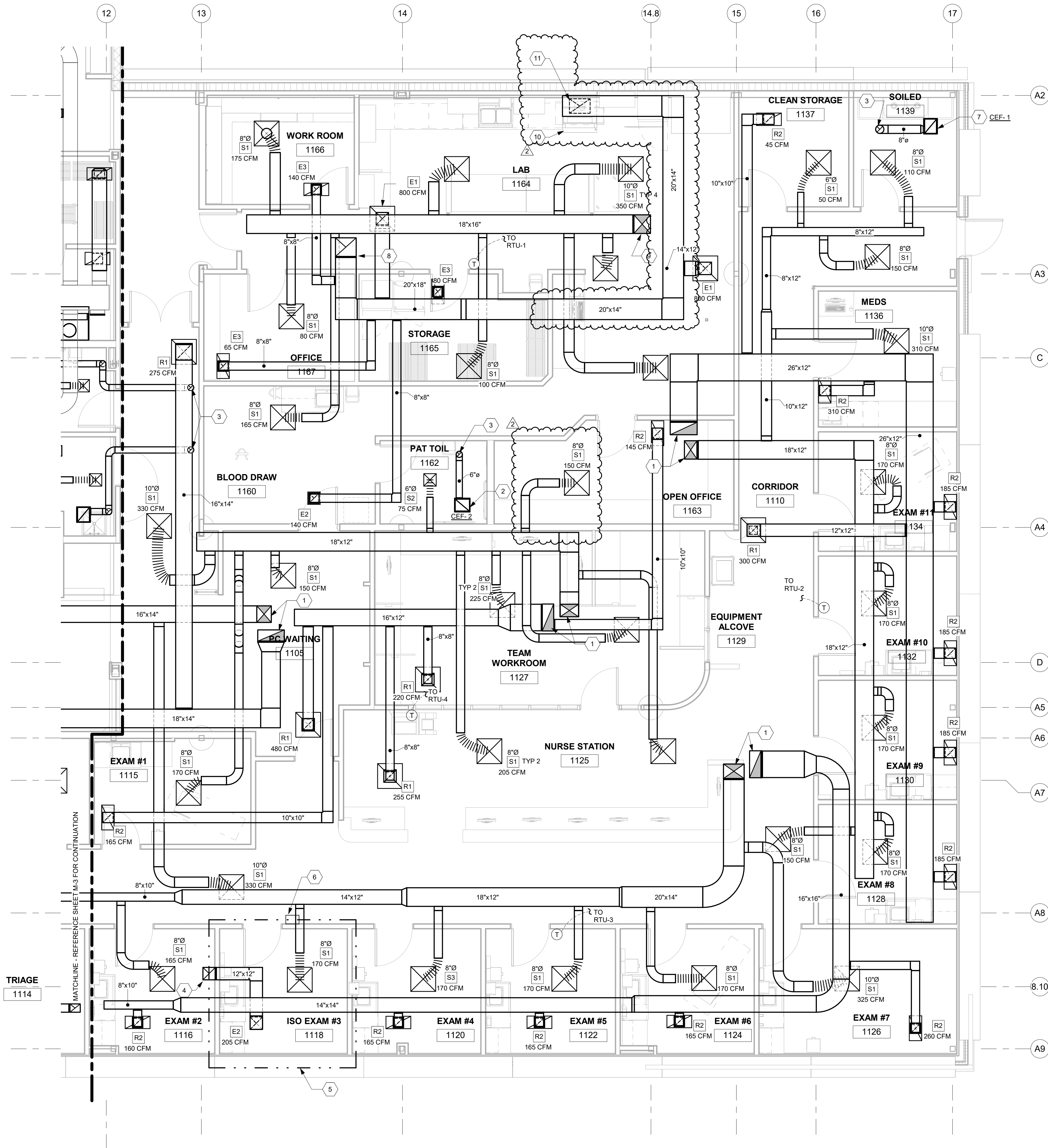
DATE
07/20/2018

M-3

PROJECT NUMBER
117043

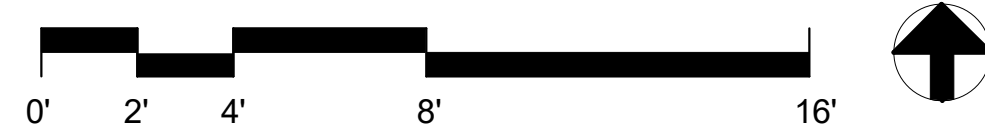
SHEET of

\\gym-fserver1\Servers\Bryan\Documents\20-107 IHS Mescalero_MEP_v20_Isaiah\MLF.rvt



1 HVAC MECHANICAL PLAN - SECTION 2
1/4" = 1'-0"

- GENERAL NOTES:**
- A REFER TO M-1 FOR SYMBOLS AND LEGEND, AND M-2 FOR GENERAL NOTES.
 - B REFER TO M-7 FOR DETAILS.
 - C REFER TO M-8 FOR EQUIPMENT SCHEDULES.
 - D ALL AIRFLOWS MEET THE REQUIREMENTS OF INDIAN HEALTH SERVICE VOLUME III HEALTH CARE FACILITIES DESIGN AND CONSTRUCTION CHAPTER 21.4 MECHANICAL GUIDELINES
- KEYED NOTES**
- 1 SUPPLY AND RETURN DUCTS DOWN FROM ROOF-TOP UNIT.
 - 2 CEILING MOUNTED EXHAUST FAN. UNIT CONTROLLED BY GRILLE MOUNTED MOTION SENSOR.
 - 3 EXHAUST DUCT UP TO CAP ON ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
 - 4 EXHAUST UP TO AII EXHAUST FAN ON ROOF. REFER TO ROOF PLAN FOR EQUIPMENT LOCATION.
 - 5 INDICATED ROOM IS AN AII AREA. PROVIDE ROOM PRESSURIZATION MONITOR AND CONTROLS.
 - 6 INSTALL ROOM PRESSURIZATION CONTROLLER AND MONITOR ON WALL. MONITOR TO BE TRIATEK FMS-1655. TIE INTO FMS FOR CONTROL OF EXHAUST FAN FLOW.
 - 7 CEILING MOUNTED EXHAUST FAN. FAN TO RUN CONTINUOUS.
 - 8 EXHAUST DUCT UP TO FAN ON ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
 - 9 SUPPLY DUCT DOWN FROM ROOF-TOP UNIT.
 - 10 RELOCATED FLOOR MOUNTED BIOLOGICAL SAFETY CABINET, BAKER CO. MODEL SG-250.
 - 11 CAP 20" x 14" EXHAUST DUCT AIR TIGHT IN CEILING SPACE FOR FUTURE P.O.C.



MARK	DATE	DESCRIPTION	AMENDMENT 002	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
02	11/02/2021						

Travis E. Johnson
Professional Engineer
State of New Mexico
License No. 21572
11-2-2021

Consultant

ROCK GAP
ARCHITECTS
P.C.

INDIAN HEALTH SERVICE
S.H.S. 5501

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY
RENOVATION & ADDITION
MECHANICAL PLAN - SECTION 2

DRWN BY
Martin

CHKD BY
Swiderski

SCALE
1/4" = 1'-0"

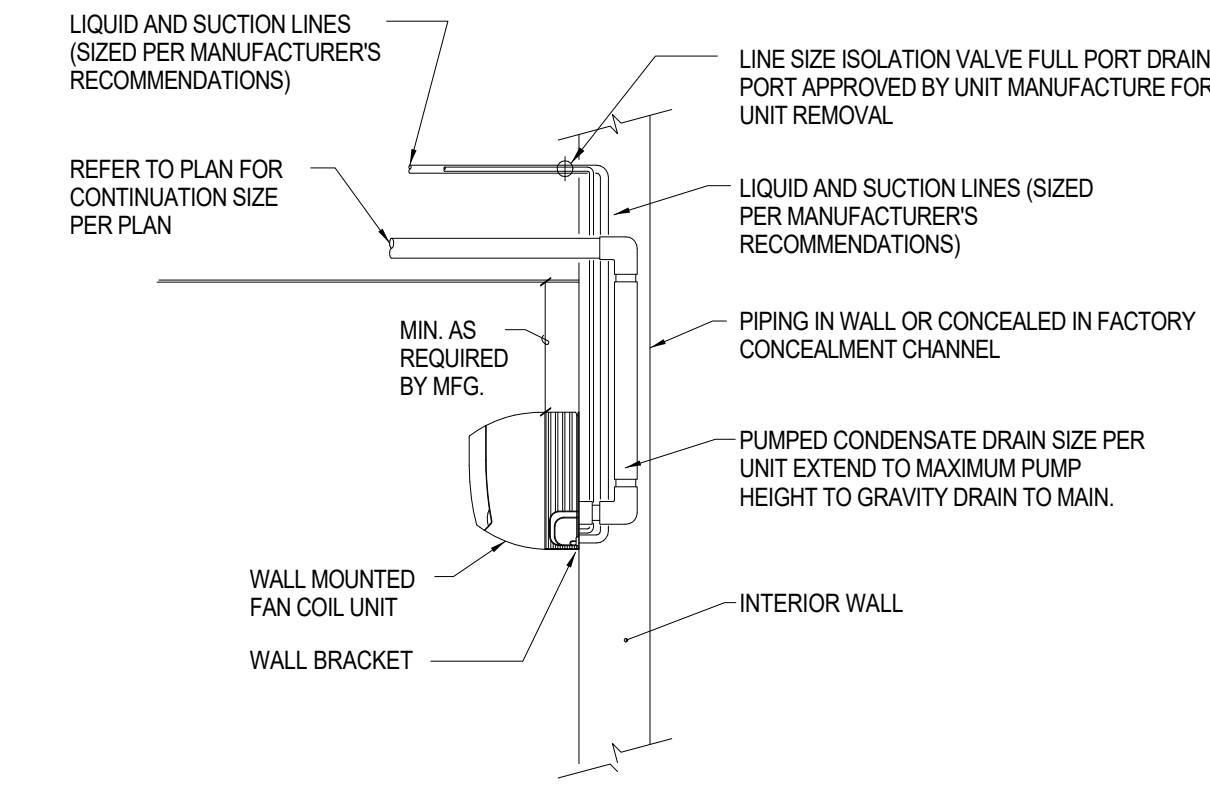
DATE
07/20/2018

M-4

PROJECT NUMBER
117043

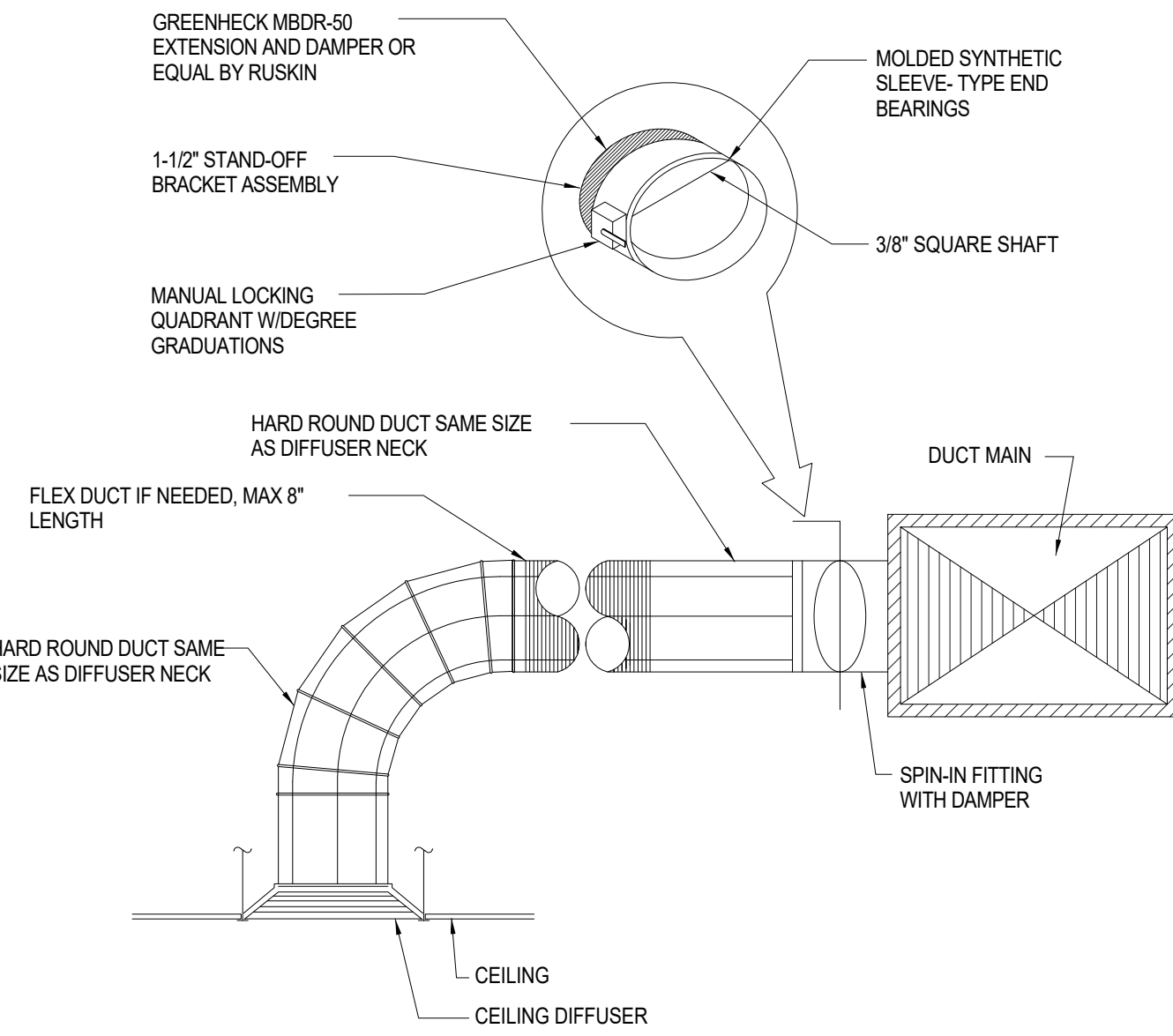
SHEET of

\\ngm-fserver1\Servers\BryanM\Documents\20-107 IHS Mescalero_MEP_v20_IsaiahM\MLF.rvt



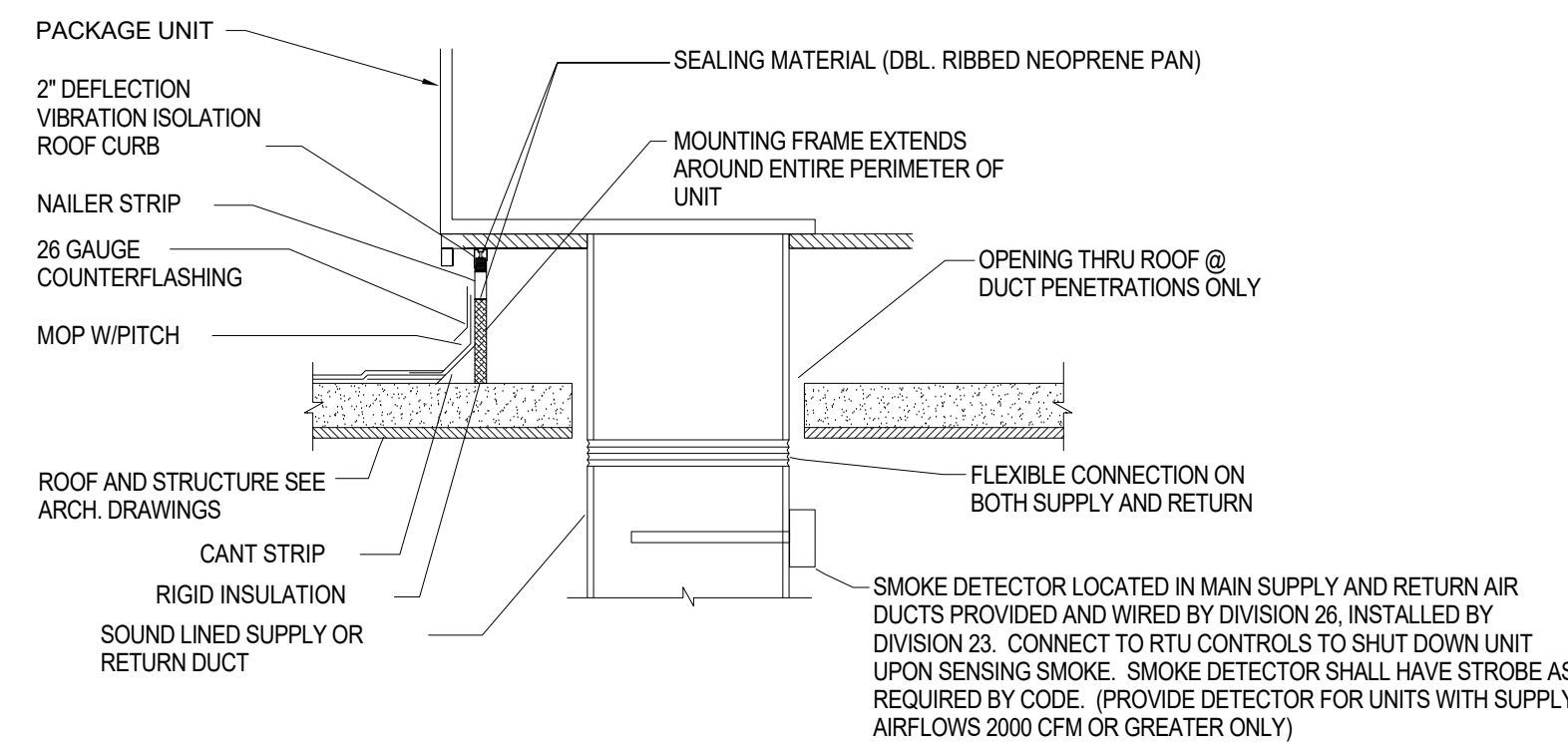
WALL MOUNTED FAN COIL UNIT DETAIL
SCALE: N.T.S.

1
M-7



SUPPLY DIFFUSER CONNECTION AND TAKE-OFF
SCALE: N.T.S.

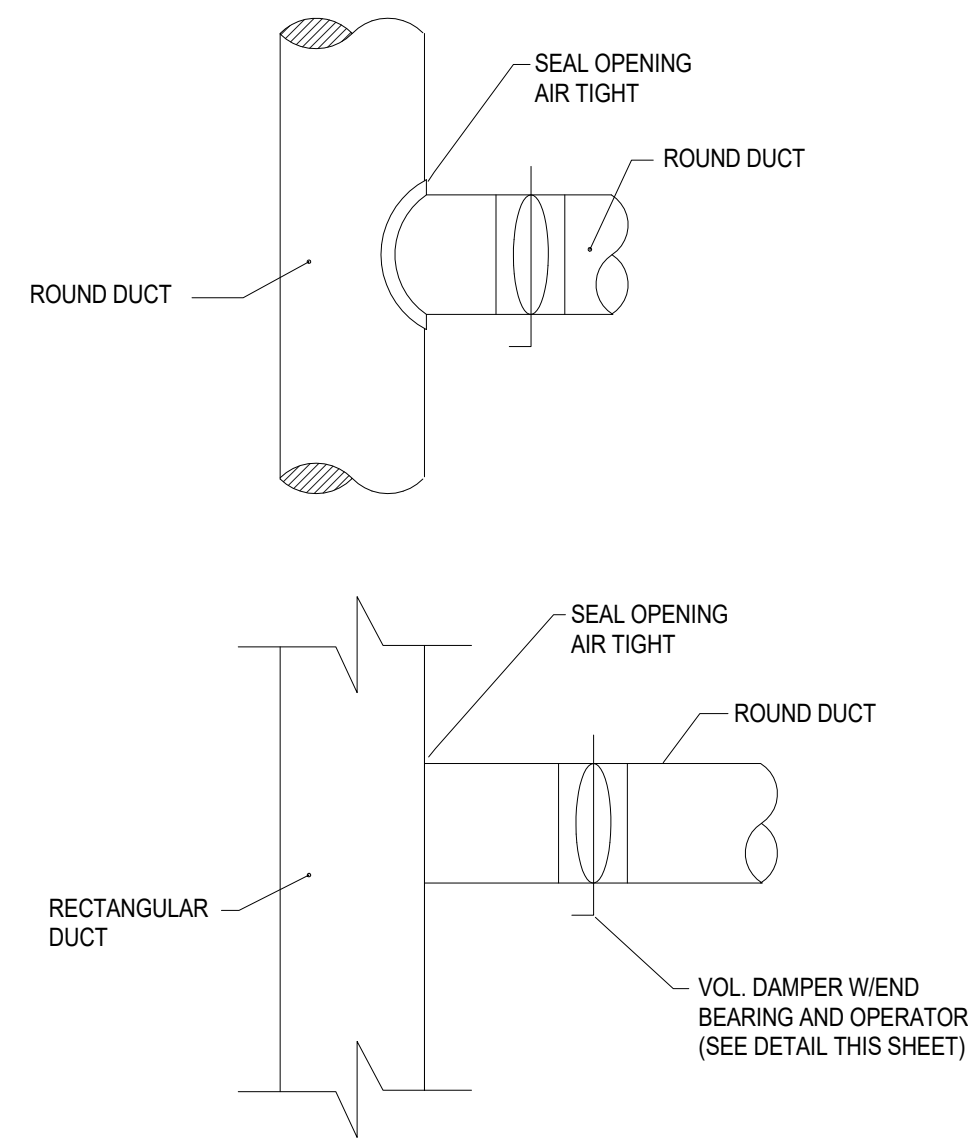
2
M-7



NOTE: LOCATE SMOKE DETECTOR ABOVE LAY-IN CEILING OR PROVIDE ACCESS HATCH THROUGH HARD CEILING.

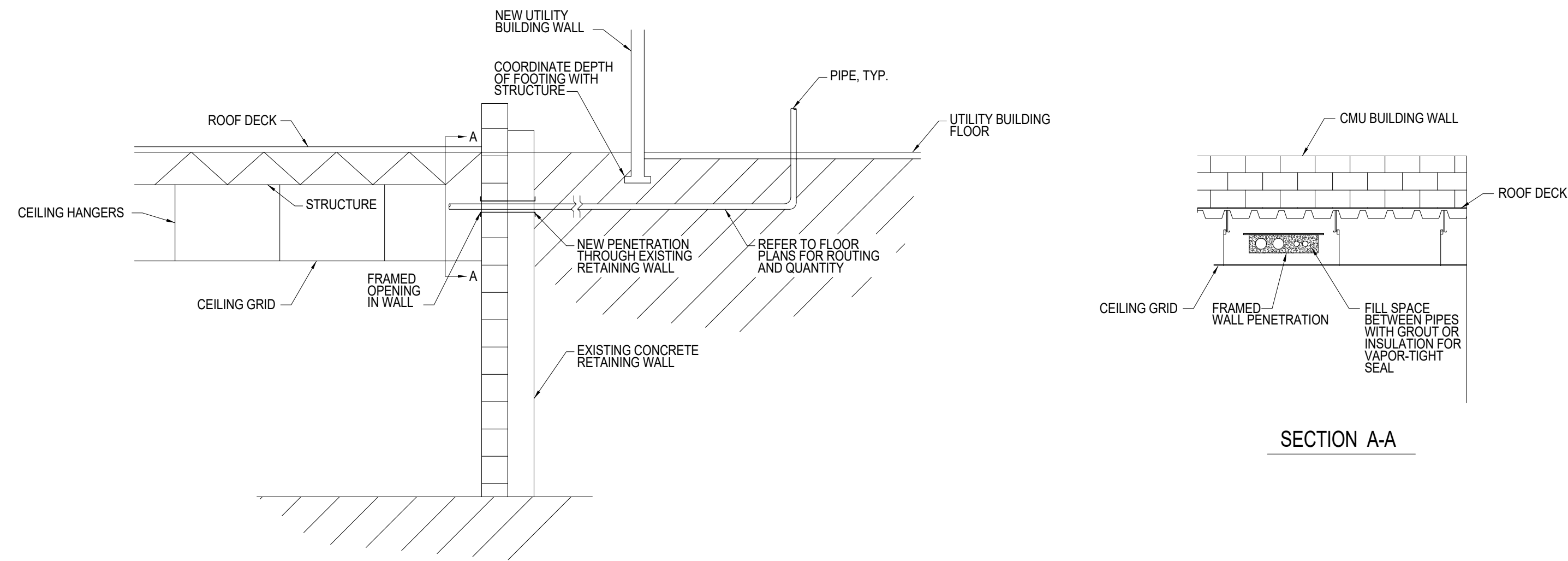
ROOF TOP UNIT MOUNTING DETAIL
SCALE: N.T.S.

3
M-7



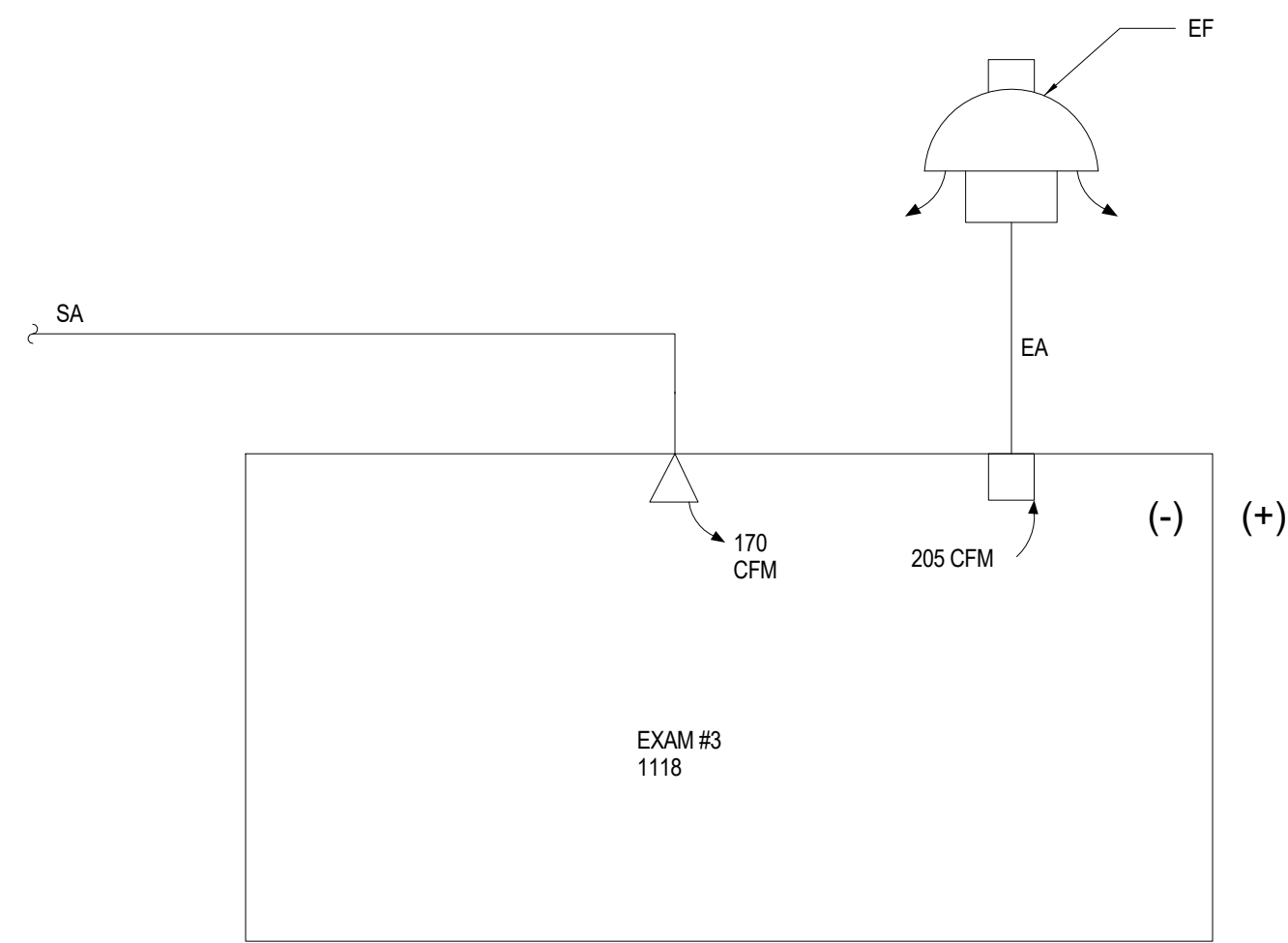
DUCT TAKE-OFFS
SCALE: N.T.S.

4
M-7



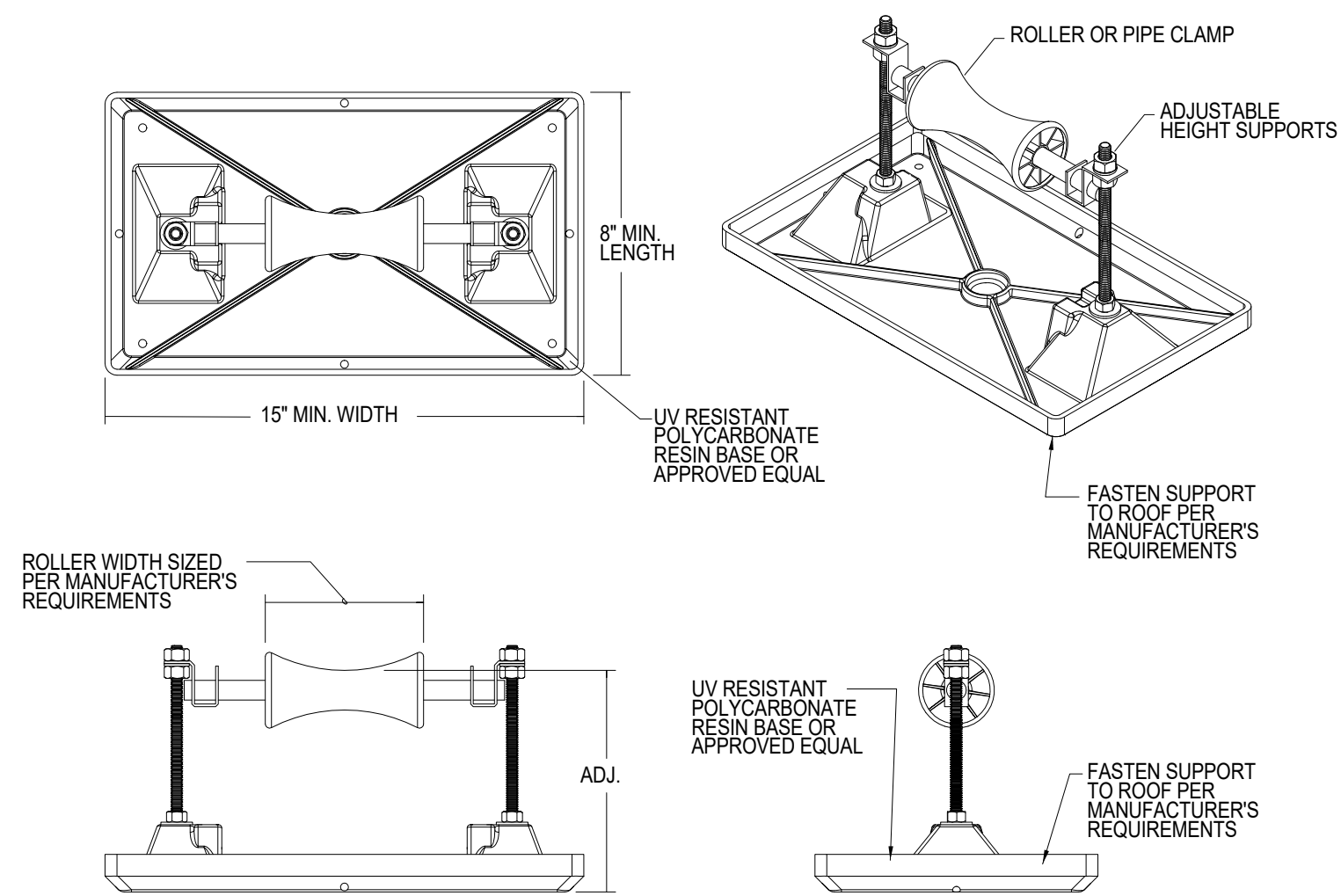
UTILITY/WALL PENETRATION DETAIL
SCALE: N.T.S.

8
M-7



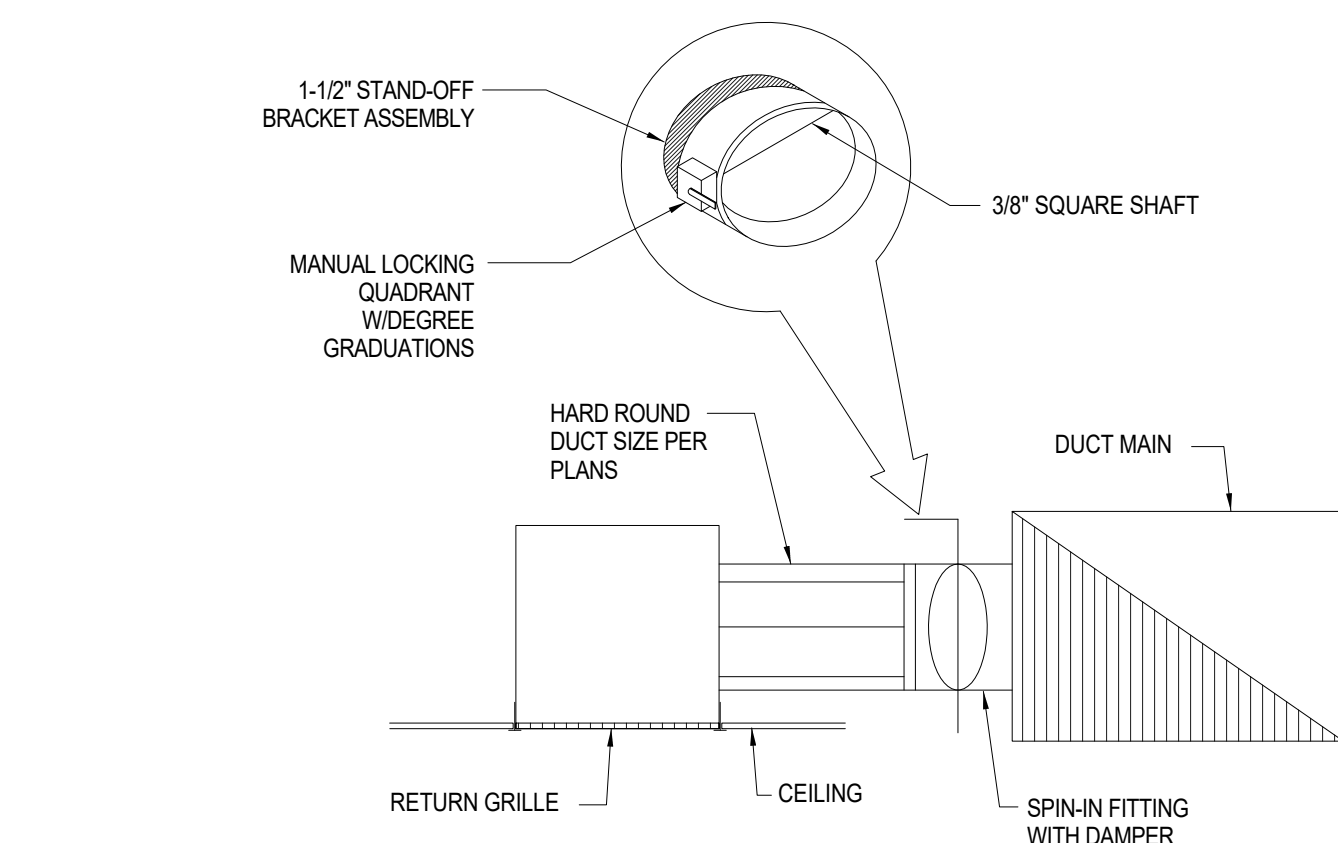
AIR BALANCE - ALL ROOM
SCALE: N.T.S.

6
M-7



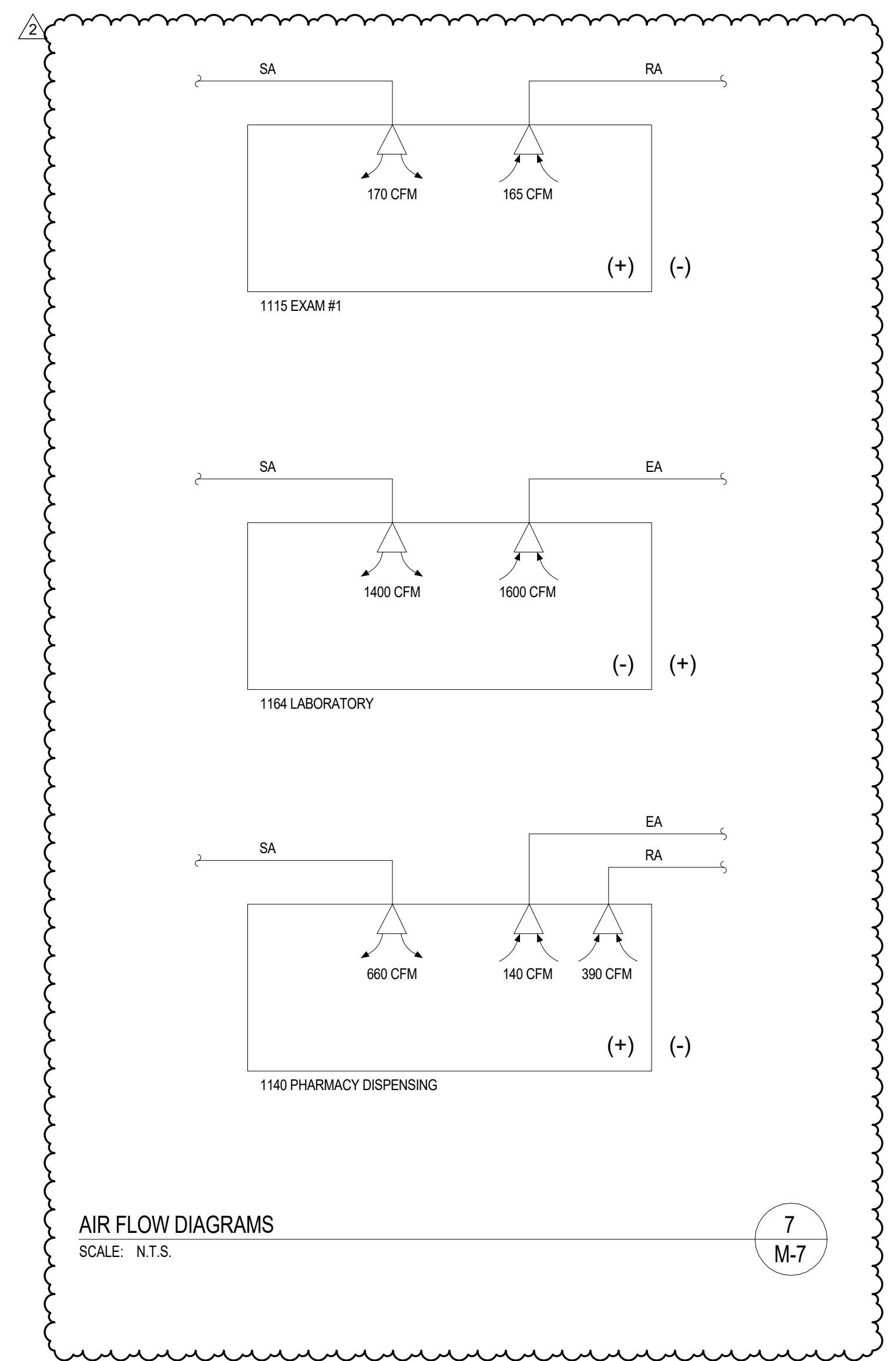
ROOF PIPING SUPPORT
SCALE: N.T.S.

7
M-7



EXHAUST DUCT CONNECTION
SCALE: N.T.S.

5
M-7



AIR FLOW DIAGRAMS
SCALE: N.T.S.

7
M-7

MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002
02	11/02/2021	

APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
----------	---------------	------------	------------	----------



Consultant
INDIAN HEALTH SERVICE
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110



DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY
RENOVATION & ADDITION
MECHANICAL DETAILS

DRWN BY
Martin
CHKD BY
Swiderski
SCALE
1/8" = 1'-0"
DATE
07/20/2018

M-7
PROJECT NUMBER
117043

SHEET of

\\gvm-fsenv1\Users\Bryant\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLF.rvt

COMPUTER ROOM CONDENSING UNIT SCHEDULE										
MARK	INDOOR UNIT CONNECTION	O/A SUMMER TEMP °F	O/A WINTER TEMP °F	TOTAL COOLING CAPACITY (MBH)	ELECTRICAL			WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
					VOLTPH	MCA	MOCP			
CU-2	CRAC-1	95	0	80	460/3	1.4	15	250	LIEBERT MCM040	SEE NOTES 1-7
CU-3	CRAC-2	95	0	80	460/3	1.4	15	250	LIEBERT MCM040	SEE NOTES 1-7

- NOTES:
- SIZE AND INSTALL REFRIGERANT PIPING BETWEEN HEAT PUMP UNIT AND ASSOCIATED FAN COIL UNITS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. PIPING SHALL NOT EXCEED LENGTH RECOMMENDED BY MANUFACTURER.
 - ACCESSORIES: LOW AMBIENT COOLING TO 0°F, AND ALL CONTROLS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - UNIT SELECTED AT AN ELEVATION OF 6,800 FT ABOVE SEA LEVEL.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED.
 - MOUNT UNIT LEVEL ON EQUIPMENT SUPPORTS. CONTRACTOR SHALL PROVIDE SHORTEST ROUTING OF REFRIGERANT LINES TO ASSOCIATED INDOOR UNITS.
 - MECHANICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH, INSTALLED BY ELECTRICAL.

EQUIVALENT MANUFACTURES:

- PRIOR APPROVAL REQ'D.

COMPUTER ROOM A/C UNIT SCHEDULE													
MARK	LOCATION	CFM	OSA	COOLING CAPACITY			ELECTRICAL			FILTER	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
				ENT. AIR DBWB	TOTAL MBH	SENSIBLE MBH	VOLT / PH	MCA	MOCP				
CRAC-1	IT SERVER ROOM	3500	-	75/60	79.3	63.5	460/3	18.1	35	MERV 8	700	LIEBERT PX023	SEE NOTES 1-5
CRAC-2	IT SERVER ROOM	3500	-	75/60	79.3	63.5	460/3	18.1	35	MERV 8	700	LIEBERT PX023	SEE NOTES 1-5

ACCESSORIES:
LOW AMBIENT COOLING KIT, CONDENSATE PUMP, DISCONNECT SWITCH, 1 SET EXTRA FILTERS, DUCT COLLAR PLENUM, SMOKE DETECTOR.

- NOTES:
- UNIT SELECTED AT ELEVATION OF 6,700 FT ABOVE SEA LEVEL.
 - POWER CONDENSATE PUMP THROUGH UNIT. SHUTDOWN UNIT ON PUMP OVERFLOW.
 - PROVIDE ALL VALVES, FITTINGS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED.
 - PROVIDE UNITS WITH VERTIV UP-FLOW PLENUMS EACH WITH TWO (2) DISCHARGE GRILLES. FIELD COORDINATE OUTLET DISCHARGE GRILLES AWAY FROM ADJACENT WALLS.

EQUIVALENT MANUFACTURES:

- PRIOR APPROVAL REQ'D.

EXHAUST FAN SCHEDULE												
MARK	MANUFACTURER AND MODEL	TYPE	SERVICE	INTERLOCK WITH	CFM	FAN STATIC (IN. W.C.)	VOLT / PH	MOTOR SIZE (HP)	APPROX. WEIGHT (LBS.)			
EF-1	GREENHECK CUE-80-VG	UP-BLAST CENTRIFUGAL	ALL ROOM	ROOM PRESSURE CONTROLLER	200	0.375	120V/ø	1/10	100			
EF-2	GREENHECK G-80-VG	DOWN-BLAST CENTRIFUGAL	TRIAGE ROOMS	OCCUPANCY	300	0.375	120V/ø	1/10	100			
EF-3	GREENHECK CUE-131-VG	UP-BLAST CENTRIFUGAL	LAB	RTU-1	2025	0.375	208V/ø	3/4	100			

- NOTES:
- PROVIDE MOTORIZED BACKDRAFT DAMPER INTERLOCKED WITH FAN.
 - HIGH EFFICIENCY BRUSHLESS MOTOR WITH ELECTRIC SPEED CONTROLLER. ELECTRICAL DISCONNECT PROVIDED BY MECHANICAL, INSTALLED BY ELECTRICAL.
 - INTERLOCK EF-3 WITH RTU-1 OPERATION.
 - EF-1 TO HAVE 0-10V CONTROL SIGNAL FOR FAN CONTROL. INTERFACE SIGNAL WITH DDC SYSTEM AND ROOM PRESSURIZATION CONTROLLER.

EQUIVALENT MANUFACTURES:

- TWIN CITY FAN, PENNBARRY, COOK.

AIR DISTRIBUTION DEVICE SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER AND MODEL	TYPE	MATERIAL	FINISH	REMARKS
S1	SUPPLY DIFFUSER	PRICE SCD	SQUARE CONE DIFFUSER	ALUMINUM	BAKED ENAMEL, WHITE	24x24 RECTANGULAR SUPPLY DIFFUSER, LAY-IN FRAME
S2	SUPPLY DIFFUSER	PRICE SCD	SQUARE CONE DIFFUSER	ALUMINUM	BAKED ENAMEL, WHITE	12x12 RECTANGULAR SUPPLY DIFFUSER, HARD CEILING FRAME
S3	SUPPLY DIFFUSER	PRICE AMDC	LOUVERED FACE DIRECTIONAL DIFFUSER WITH HIGH EFFICIENCY FILTER	ALUMINUM	BAKED ENAMEL, WHITE	24x24 RECTANGULAR SUPPLY DIFFUSER, LAY-IN FRAME, MERV 14 FILTER MEDIA, 1/2" THICK POLY-BAKED INSULATION, DAMPER WITH CABLE OPERATOR. PROVIDE 2 SETS OF FILTER MEDIA WITH UNIT (1 INSTALLED, 1 SPARE).
R1	RETURN GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	24x24 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED RETURN BOOT
R2	RETURN GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	12x12 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED RETURN BOOT
R3	RETURN GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	24x12 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED RETURN BOOT
E1	EXHAUST GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	24x24 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED EXHAUST BOOT
E2	EXHAUST GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	12x12 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED EXHAUST BOOT
E3	EXHAUST GRILLE	PRICE 80	EGG CRATE RETURN	ALUMINUM	BAKED ENAMEL, WHITE	24x12 RECTANGULAR RETURN GRILL, 1/2"x1/2" EGG CRATE GRILL, LAY-IN FRAME, FIELD FABRICATED EXHAUST BOOT

EQUIVALENT MANUFACTURES:

- TITUS, KRUEGER, NAILOR

VAV BOX SCHEDULE (REFERENCE)									
MARK	LOCATION	AIR FLOW			INLET (°Ø)	AIR P.D. (IN)	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
		COOLING	HEATING	TOTAL					
VAV-A-1	PHARMACY	1170	930	1250	12	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-2	PHARMACY	830	640	910	10	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-3	PHARMACY	300	270	310	6	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-4	PHARMACY	600	460	640	8	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-5	RADIOLOGY	460	350	500	7	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-6	RADIOLOGY	550	420	600	8	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-7	IT TRAINING	290	220	320	6	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-A-18a	IT TRAINING	700	330	760	8	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-H-1	OFFICES	470	330	470	7	0.9	-	CARNES SCE	SEE NOTE 1.2
VAV-V-2	BIO-MED	180	130	180	5	0.9	-	CARNES SCE	SEE NOTE 1.2

- NOTES:
- SCHEDULE PROVIDED FOR REFERENCE ONLY.
 - EXISTING CONSTANT VOLUME DUAL DUCT MIXING BOXES.
 - EXISTING DDC CONTROLS ON EACH MIXING BOX.

ELECTRIC UNIT HEATER SCHEDULE											
MARK	MANUFACTURER AND MODEL	SERVICE	CFM	TEMP RISE	KW	STAGES	VOLT / PH	FAN MOTOR HP	MCA	WEIGHT (LBS.)	NOTES
EUH-1	BERKO HUHA348	MECHANICAL ROOM	350	45°F	3	1	480/3ø	1/100	3.6	24	SEE NOTE 1,2,3,4

- NOTES:
- PROVIDE UNIT WITH 24-VOLT CONTROL TRANSFORMER, ADJUSTABLE HORIZONTAL LOUVERS, WALL MOUNTING KIT, FACTORY PROVIDED SINGLE-STAGE ADJUSTABLE THERMOSTAT (WITH CONTACTOR IF NECESSARY TO CARRY THE HEATER LOAD) FOR INSTALLATION ON WALL.
 - FURNISH UNIT WITH FACTORY POWER DISCONNECT SWITCH KIT FOR FIELD INSTALLATION BY ELECTRICAL CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR.
 - VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF UNIT PRIOR TO INSTALLATION. INSTALL PER MANUFACTURER'S REQUIREMENTS.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED.
 - PROVIDE ALL REQUIRED SERVICE AND OPERATIONAL CLEARANCES, INCLUDING ALL REQUIRED CLEARANCES TO COMBUSTIBLES AND ALL CLEARANCES REQUIRED BY NEC ARTICLE 110.

ROOF-TOP UNIT SCHEDULE																				
MARK	LOCATION	CFM	OSA	SUPPLY FAN		COOLING CAPACITY				HEATING CAPACITY				ELECTRICAL			FILTER	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
				ESP (n. WC)	FAN HP	ENT. AIR DBWB	DIS. AIR DBWB	TOTAL MBH	SENSIBLE MBH	ENT. AIR DB	DIS. AIR DB	SITE INPUT MBH	SITE OUTPUT MBH	VOLT / PH	MCA	MOCP				
RTU-1	LAB	1920	1920	0.75	0.9	68/63	52/52	52.2	28.2	5	82	200	128	460/3	20	25	MERV 14	2600	CARRIER 62KK06	SEE NOTE 1-7
RTU-2	EXAM ROOMS	1450	275	0.75	0.7	82/55	55/54	31.26	31	50	102	79.2	63.4	460/3	10	15	MERV 13	750	CARRIER 48GCRM04	SEE NOTE 1-6
RTU-3	EXAM ROOMS	1450	475	0.75	0.7	82/55	55/54	31.26	31	50	102	79.2	63.7	460/3	10	15	MERV 13	750	CARRIER 48GCRM04	SEE NOTE 1-6
RTU-4	NURSES STATION	1650	275	0.75	2	76/61	55/54	41	34	58	106	79.2	63.4	460/3	12	15	MERV 13	800	CARRIER 48GCRM05	SEE NOTE 1-6
RTU-5	WAITING ROOM	1415	320	0.75	0.7	82/55	55/54	31	31	50	105	79.2	63.4	460/3	10	15	MERV 13	750	CARRIER 48GCRM04	SEE NOTE 1-6

- NOTES:
- UNITS ARE MOUNTED ON 16" HIGH ROOF CURB.
 - UNITS TO BE PROVIDED WITH OUTDOOR AIR INTAKE OPENINGS, WITH LOCKABLE VOLUME DAMPERS ON INLET, SET TO OSA VOLUME SHOWN IN SCHEDULE ABOVE.
 - INDOOR FAN SHALL BE DIRECT DRIVE ECM AND SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.
 - EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ANY PRESSURE DROP ASSOCIATED WITH ROOFTOP UNIT ACCESSORIES.
 - ENSURE ALL SERVICE AND OPERATIONAL CLEARANCES ARE MAINTAINED.
 - UNIT SELECTED AT ELEVATION OF 6,700 FT ABOVE SEA LEVEL.
 - 100% OUTSIDE AIR UNIT FOR LAB SPACE. UNIT TO RUN CONTINUOUS. PROVIDE SMOKE DETECTOR FOR MOUNTING BY MECHANICAL IN SUPPLY DUCT. DETECTOR WIRED BY ELECTRICAL CONTRACTOR.

ACCESSORIES:

- FACTORY MOUNTED DISCONNECT, DDC CONTROLS INTERFACE TO EXISTING HOSPITAL SYSTEM, FULLY MODULATING DRY-BULB ECONOMIZER.
- BAROMETRIC RELIEF DAMPERS, STAINLESS STEEL HEAT EXCHANGER, ELECTRICAL PHASE MONITOR, HINGED ACCESS DOORS, ONE (1) SET OF REPLACEMENT FILTERS, HAIL GUARDS.

EQUIVALENT MANUFACTURES:

- TRANE, MCQUAY, LENNOX.

A/C CONDENSING UNIT SCHEDULE										
MARK	INDOOR UNIT CONNECTION	O/A SUMMER TEMP °F	O/A WINTER TEMP °F	TOTAL COOLING CAPACITY (MBH)	ELECTRICAL			WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
					VOLTPH	MCA	MOCP			
CU-1	AC-1	95	10	24	208/1ø	19	30	175	mitsubishi PUY-A24	SEE NOTES 1-7
CU-4	AC-2	95	10	12	208/1ø	7	15	125	mitsubishi PUY-A12	SEE NOTES 1-7
CU-5	AC-3	95	10	24	208/1ø	19	30	175	mitsubishi PUY-A24	SEE NOTES 1-7

- NOTES:
- SIZE AND INSTALL REFRIGERANT PIPING BETWEEN COOLING UNIT AND ASSOCIATED FAN COIL UNITS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. PIPING SHALL NOT EXCEED LENGTH RECOMMENDED BY MANUFACTURER.
 - ACCESSORIES: LOW AMBIENT COOLING TO 0°F, AND ALL CONTROLS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - UNIT SELECTED AT AN ELEVATION OF 6,700 FT ABOVE SEA LEVEL.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED.
 - MOUNT UNIT LEVEL ON EQUIPMENT SUPPORTS. CONTRACTOR SHALL PROVIDE SHORTEST ROUTING OF REFRIGERANT LINES TO ASSOCIATED INDOOR UNITS.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - POWER TO INDOOR UNITS FED FROM OUTDOOR UNIT. COORDINATE WITH ELECTRICAL CONTRACTOR TO ROUTE POWER TO INDOOR FAN COIL UNITS.

EQUIVALENT MANUFACTURES:

- L.G. DAIKEN, LENNOX.

INDOOR FAN COIL UNIT SCHEDULE													
MARK	LOCATION	CFM	OSA	COOLING CAPACITY			ELECTRICAL			FILTER	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
				ENT. AIR DBWB	TOTAL MBH	SENSIBLE MBH	VOLT/ PH	MCA	MOCP				
AC-1	ELECTRICAL EQUIPMENT ROOM	705	-	78/63	24	17	SEE NOTE4			WASHABLE	50	MITSUBISHI PKA-A24	SEE NOTES 1-5
AC-2	FIRST FLOOR IT CLOSET	425	-	78/63	12	12	SEE NOTE4			WASHABLE	50	MITSUBISHI PKA-A12	SEE NOTES 1-5
AC-3	FIRST FLOOR TELEPHONE CLOSET	705	-	78/63	24	17	SEE NOTE4			WASHABLE	50	MITSUBISHI PKA-A24	SEE NOTES 1-5

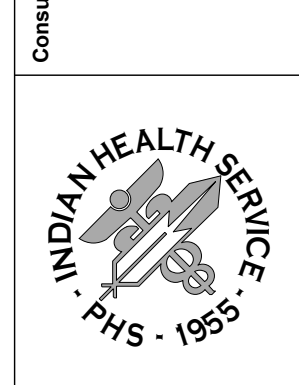
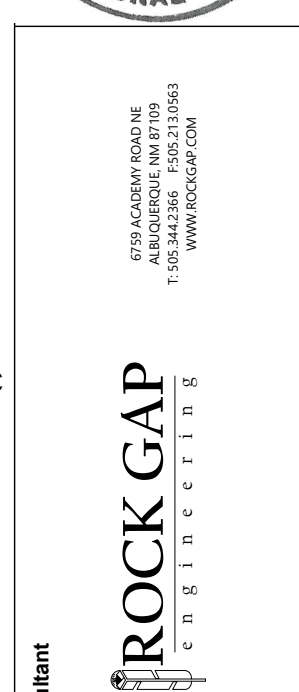
ACCESSORIES:
FURNISH UNIT WITH HARD-WIRED MANUFACTURER'S 7-DAY PROGRAMMABLE CONTROLLER, LOW AMBIENT COOLING KIT, CONDENSATE PUMP.

- NOTES:
- UNIT SELECTED AT ELEVATION OF 6,700 FT ABOVE SEA LEVEL.
 - POWER CONDENSATE PUMP THROUGH UNIT. SHUTDOWN UNIT ON PUMP OVERFLOW.
 - PROVIDE ALL VALVES, FITTINGS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 - ELECTRICITY TO POWER INDOOR UNITS FED FROM EXTERIOR UNIT. REFER TO EXTERIOR CONDENSING UNIT SCHEDULE FOR VOLTAGE AND DISCONNECT INFORMATION.

EQUIVALENT MANUFACTURES:

- L.G. DAIKEN, LENNOX.

MARK	DATE	DESCRIPTION	APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
02	11/02/2021	AMENDMENT 002					
	07/20/2018						

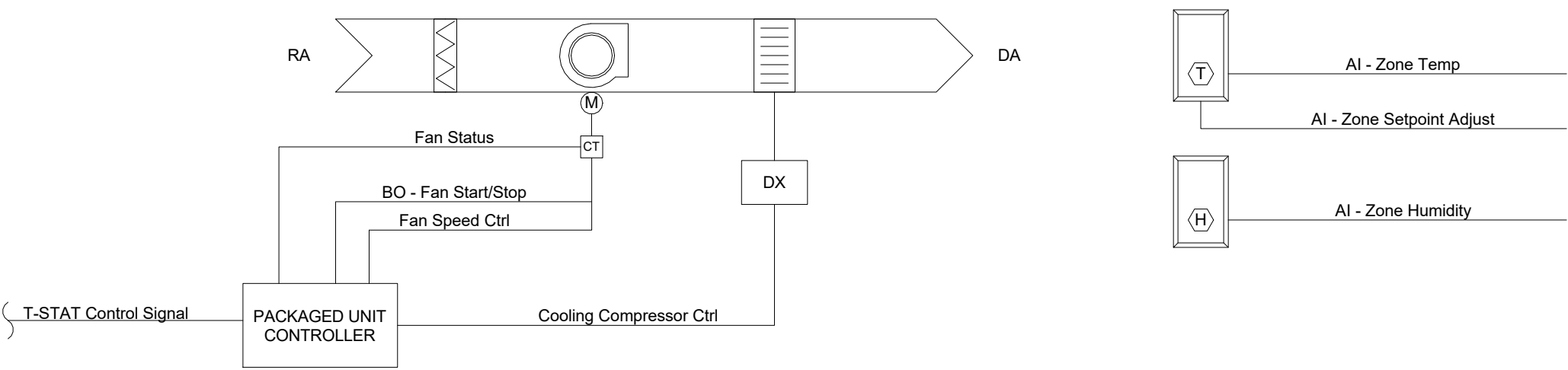


DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
405 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTTERO COUNTY
RENOVATION & ADDITION
MECHANICAL SCHEDULES

DRWN BY Martin	PROJECT NUMBER 117043
CHKD BY Swiderski	
SCALE 1/8" = 1'-0"	
DATE 07/20/2018	SHEET of
M-8	

\\ngm-fs-serve1\SUsers\BryanM\Documents\20-107 IHS Mescalero_MEP_v20_Isaiahg\MLMF.rvt



RUN CONDITIONS - CONTINUOUS:
 THE UNIT SHALL RUN CONTINUOUSLY AND SHALL MAINTAIN:

- A 75°F (ADJ.) COOLING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

ZONE SETPOINT ADJUST:

THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE COOLING SETPOINT FROM THE DDC OPERATOR'S CONTROL PANEL.

EMERGENCY SHUTDOWN:

THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

SMOKE DETECTION:

THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS.

FAN:

THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

COOLING STAGES:

THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE COOLING TO MAINTAIN ITS COOLING SETPOINT. TO PREVENT SHORT CYCLING, THERE SHALL BE A USER DEFINABLE (ADJ.) DELAY BETWEEN MODULATION, AND THE COMPRESSOR SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

THE COOLING SHALL BE ENABLED WHENEVER:

- THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
- AND THE FAN IS ON.

DISCHARGE AIR TEMPERATURE:

THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

FAN STATUS:

THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

ZONE HUMIDITY:

THE CONTROLLER SHALL MONITOR THE ZONE HUMIDITY.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH ZONE HUMIDITY: IF THE ZONE HUMIDITY IS GREATER THAN 70% (ADJ.).
- LOW ZONE HUMIDITY: IF THE ZONE HUMIDITY IS LESS THAN 35% (ADJ.).

COMPUTER ROOM AC -- CONTINUOUS

SCALE: N.T.S.

1

M-10

EXHAUST FAN - ROOM PRESSURIZATION CONTROL (EF-2)

RUN CONDITIONS - OCCUPIED:

THE FAN SHALL RUN ACCORDING TO AN OCCUPANCY SIGNAL FROM A ROOM MOUNTED PRESSURIZATION MONITOR.

CONTROL - BUILDING STATIC PRESSURE:

THE EXHAUST FAN SHALL RUN WHEN COMMANDED ON.

THE CONTROLLER SHALL MEASURE ROOM STATIC PRESSURE AND MODULATE THE

EXHAUST FAN SPEED TO MAINTAIN A ROOM STATIC PRESSURE SETPOINT OF

-0.01 IN H2O (ADJ. MIN.). THE EXHAUST FAN SPEED SHALL NOT DROP BELOW 20% (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH BUILDING STATIC PRESSURE: IF THE BUILDING STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
- LOW BUILDING STATIC PRESSURE: IF THE BUILDING STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

EXHAUST AIR DAMPER:

THE EXHAUST AIR DAMPER SHALL OPEN ANY TIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE EXHAUST AIR DAMPER SHALL CLOSE 30 SEC. (ADJ.) AFTER THE FAN STOPS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- DAMPER FAILURE: COMMANDED OPEN BUT THE STATUS IS CLOSED
- DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

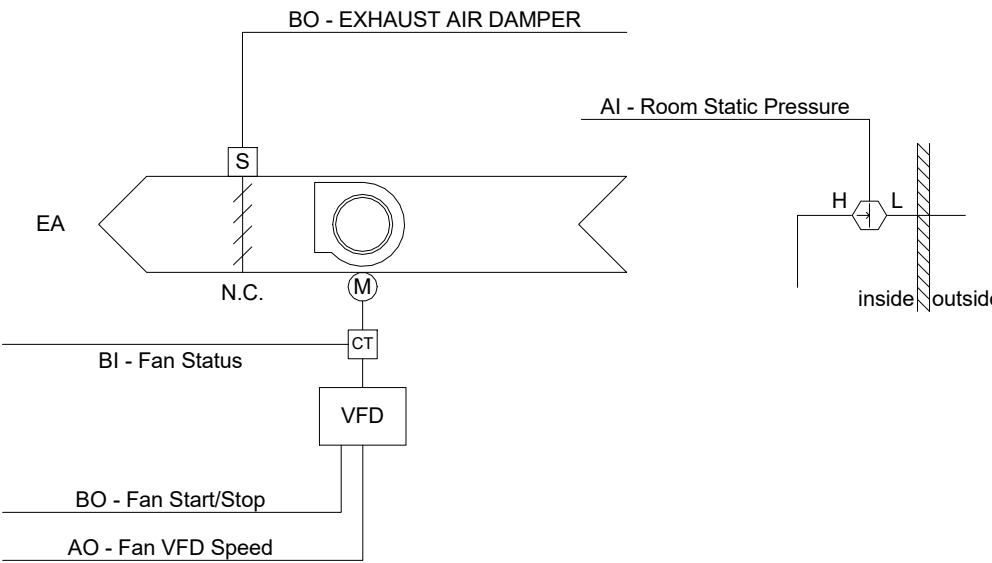
FAN STATUS:
 THE CONTROLLER SHALL MONITOR THE FAN STATUS.
 ALARMS SHALL BE PROVIDED AS FOLLOWS:
 FAN FAILURE: COMMANDED ON BUT STATUS IS OFF.
 FAN IN HAND: COMMANDED OFF BUT STATUS IS ON.
 FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

ROOM PRESSURIZATION STATUS:

THE CONTROLLER SHALL MONITOR THE OUTPUT FROM THE ROOM LEVEL PRESSURE CONTROL UNIT (TRIATEK FMS-1655).

ALARMS SHALL BE PROVIDED AS FOLLOWS:

ROOM PRESSURE OUT OF BOUNDS: CONTROLLER ISSUES ROOM PRESSURE ALARM



EXHAUST FAN -- AII PRESSURIZATION CONTROL

SCALE: N.T.S.

1

M-10

NOTE: NEW MECHANICAL EQUIPMENT SHALL BE INTEGRATED WITH THE EXISTING AUTOMATED LOGIC DIRECT DIGITAL CONTROL (DDC) SYSTEM CURRENTLY INSTALLED AT MESCALERO SERVICE UNIT UNDER THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR SYSTEM INTEGRATION AND PROGRAMMING UNDER THIS SCOPE OF WORK. REFERENCE SECTION 23 09 23 OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002	02	11/02/2021	AMENDMENT 002
APPROVED		ARCHITECTURAL	APPROVED		MECHANICAL
		ELECTRICAL			PLUMBING

Professional Engineer

21572

11-2-2862

ROCK GAP

CONSULTANT

INDIAN HEALTH SERVICE

INDIAN HEALTH SERVICE

OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING

ALBUQUERQUE AREA OFFICE

4101 Indian School Road NE

Albuquerque, New Mexico 87110

318 ABALONE LOOP MESCALERO, NM 88603 OTTERO COUNTY

RENOVATION & ADDITION

MECHANICAL CONTROLS

DRWN BY
Author

CHKD BY
Checker

SCALE
12" = 1'-0"

DATE
07/20/2018

M-10

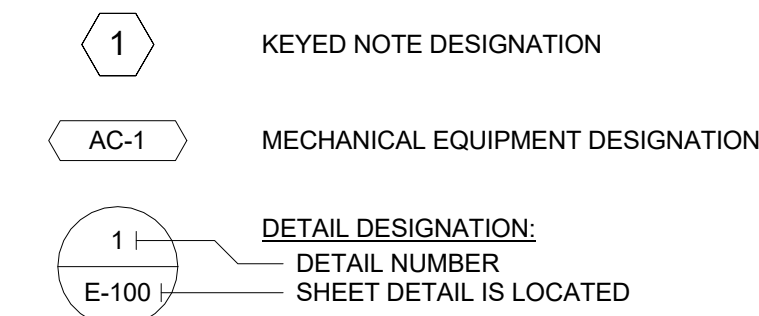
PROJECT NUMBER
117043

SHEET
of

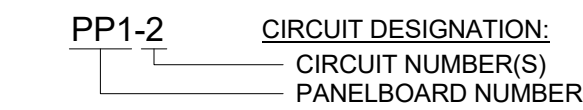
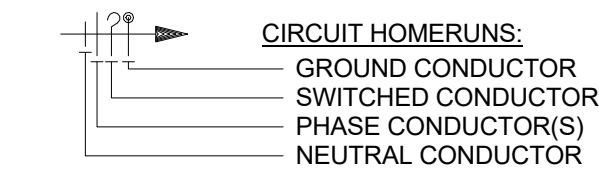
\\gmn-fs-server\users\isaiah\Documents\20-107 IHS Mesalero MEP_v20_isiaihg\MLF.rvt

ELECTRICAL SYMBOL LEGEND

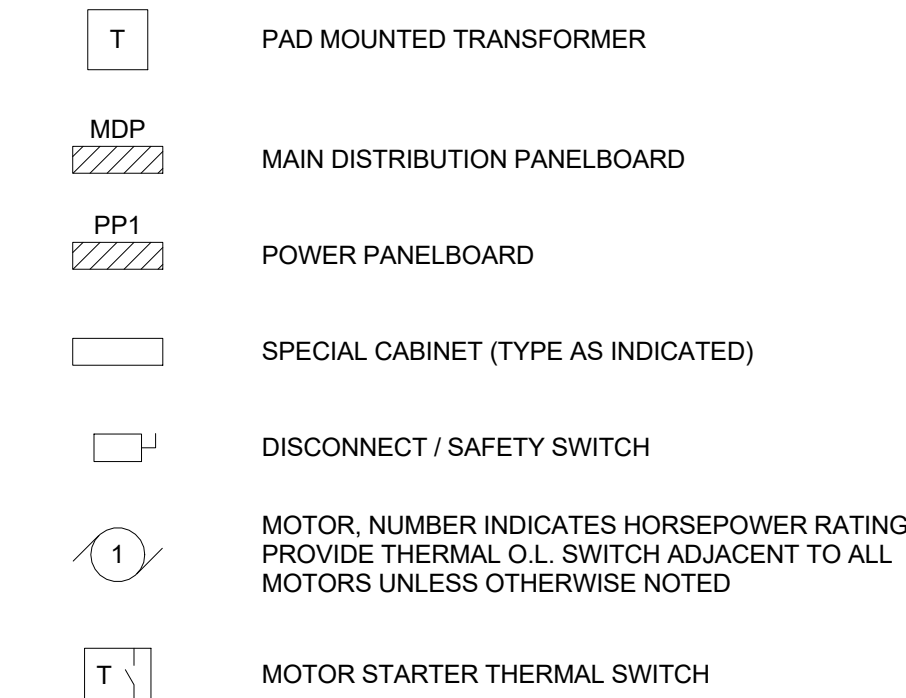
GENERAL



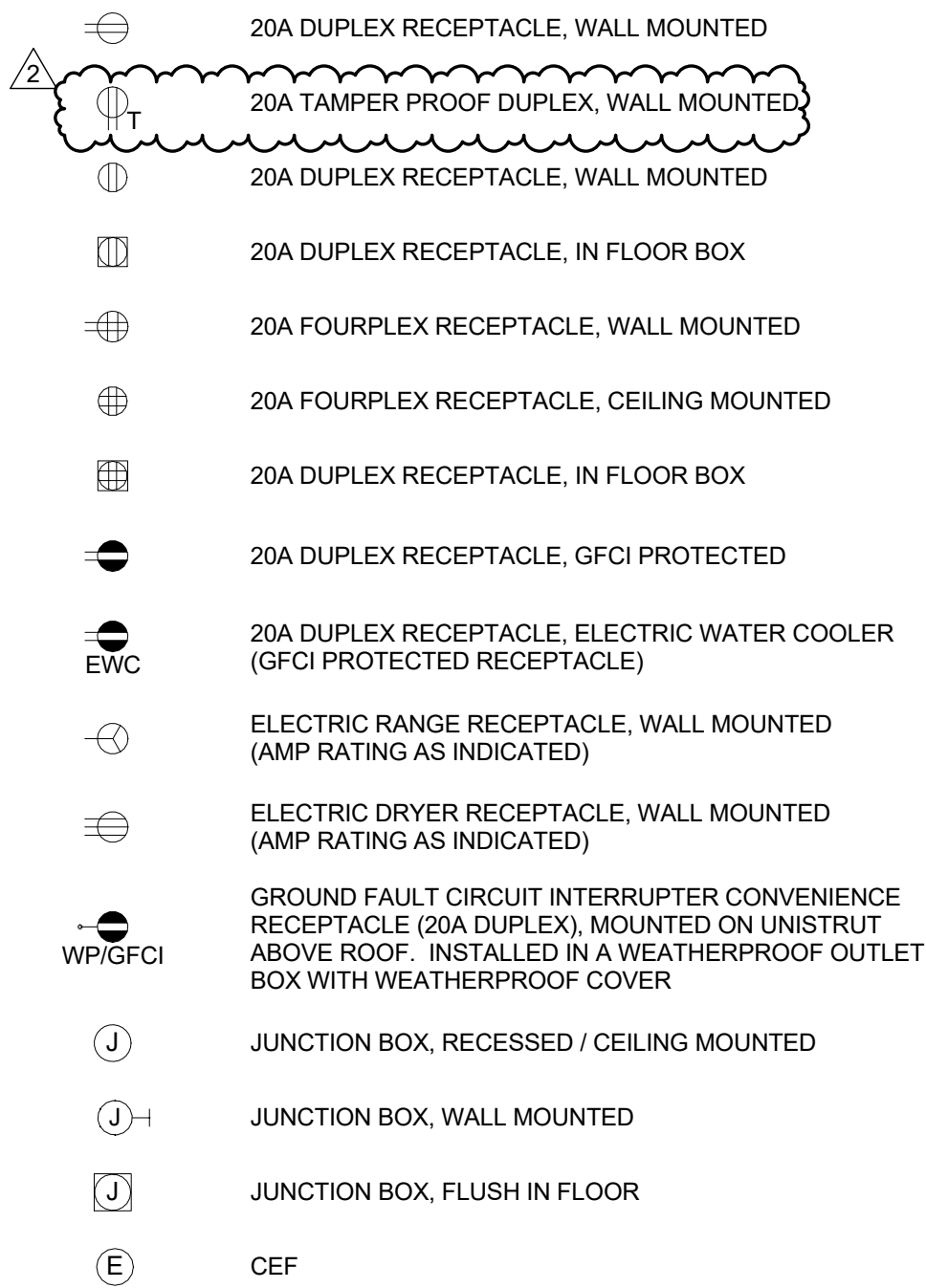
CIRCUITING / RACEWAYS



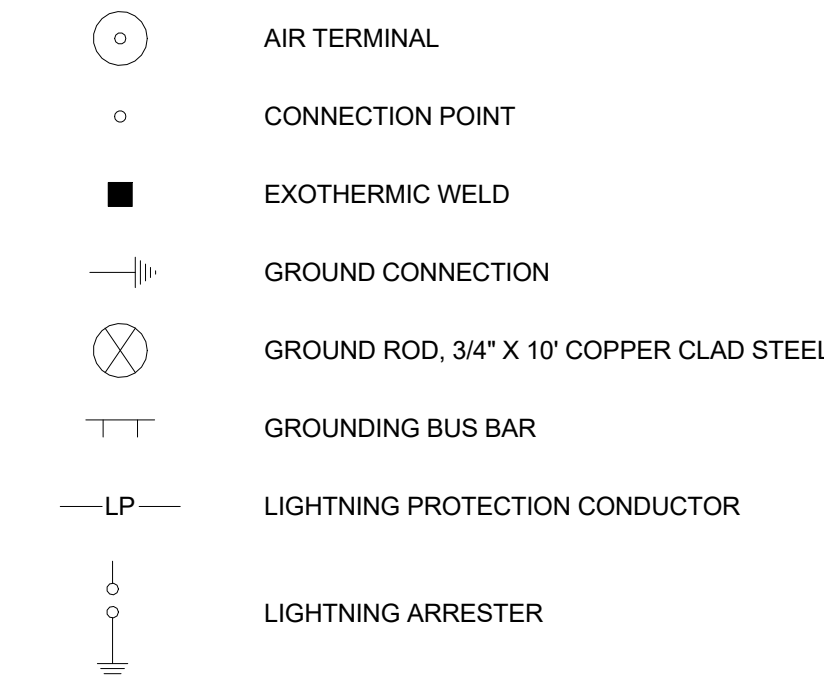
PANELBOARDS / EQUIPMENT



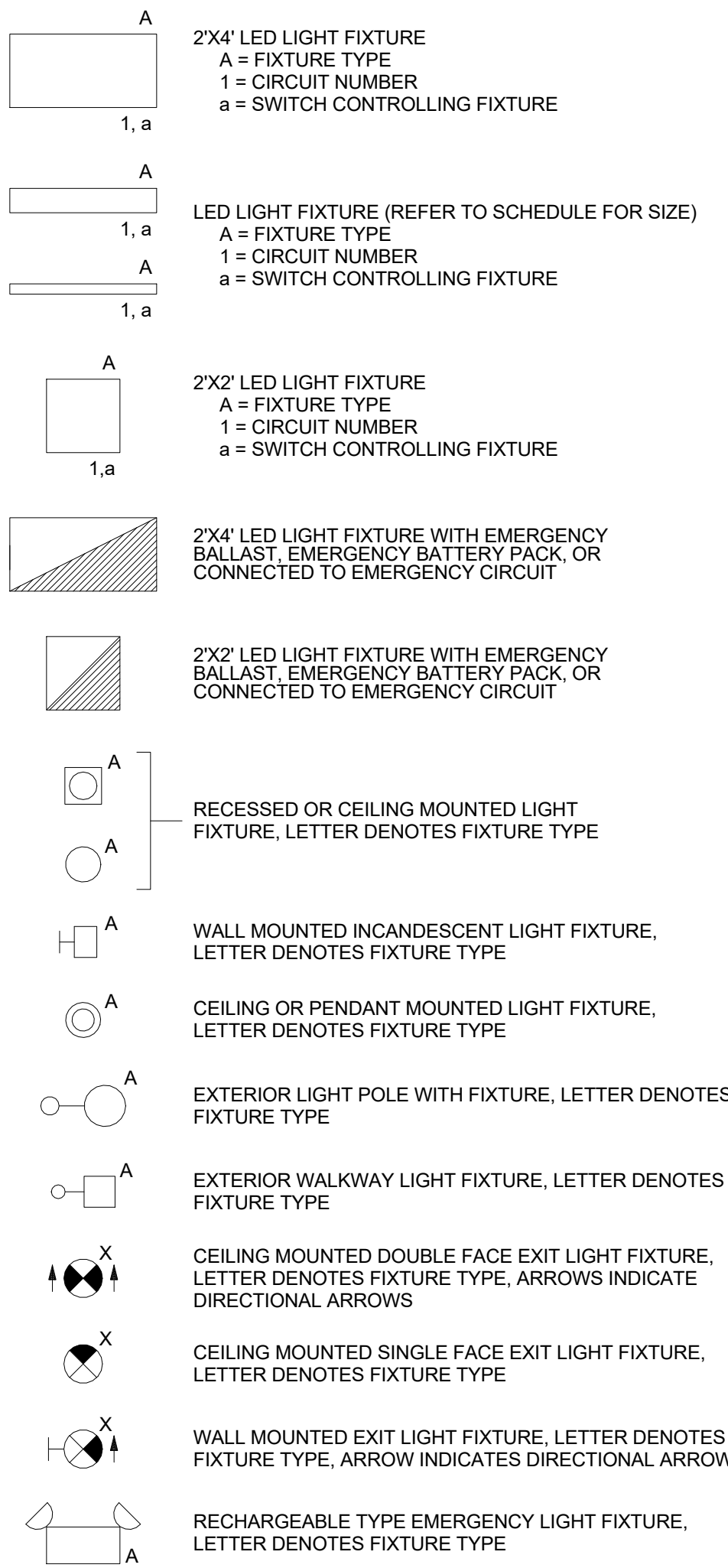
RECEPTACLES / JUNCTION BOXES



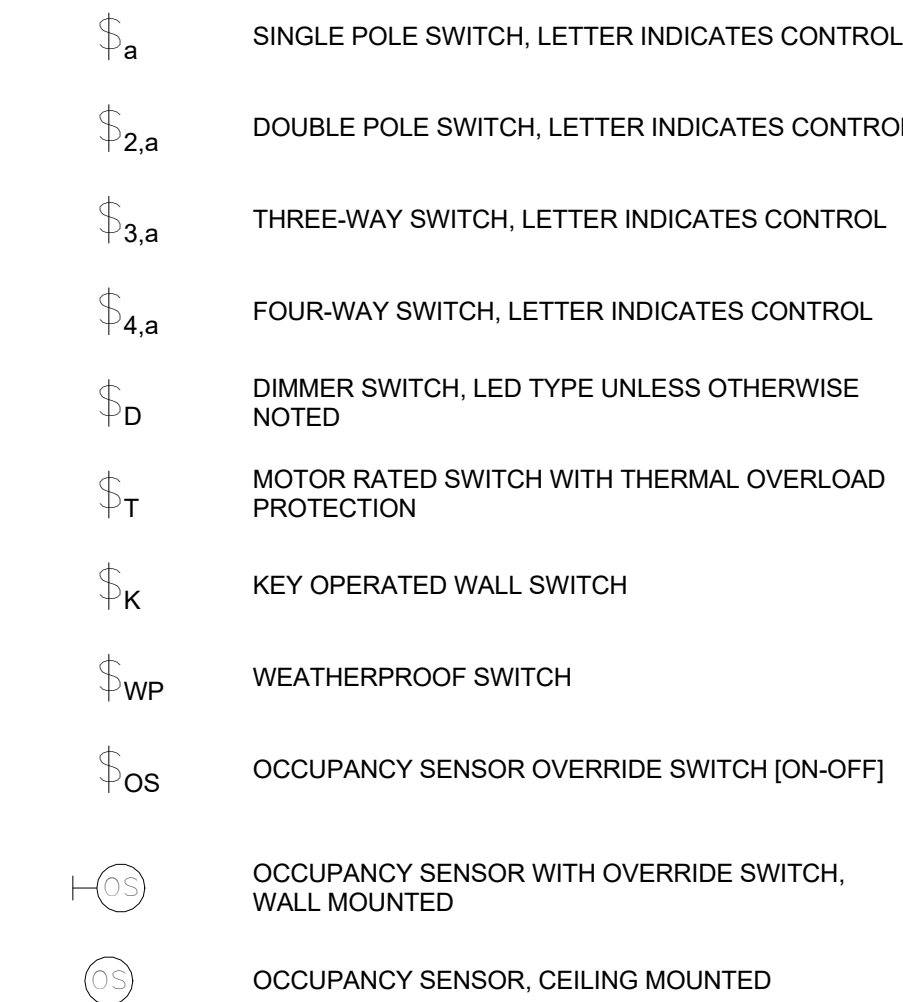
GROUNDING / LIGHTNING PROTECTION



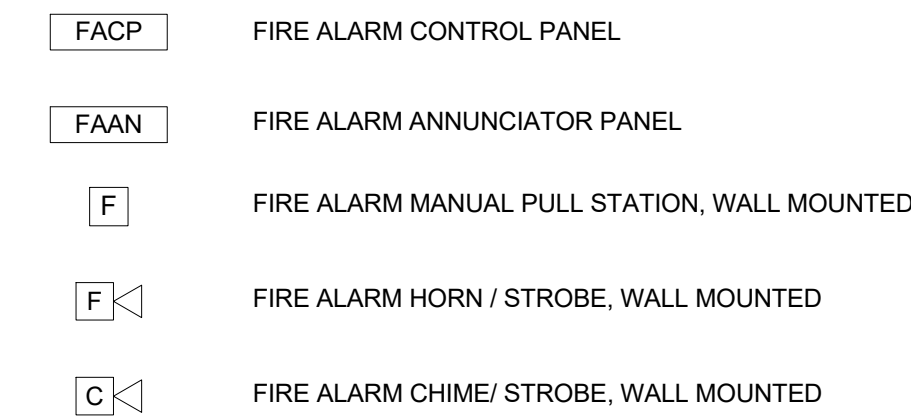
LIGHTING



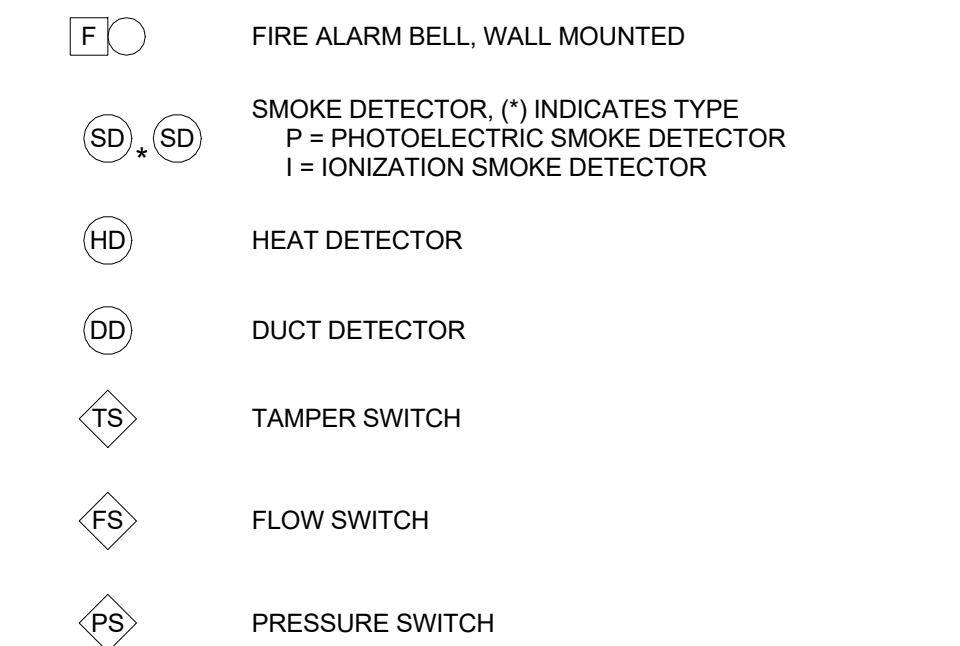
SWITCHES



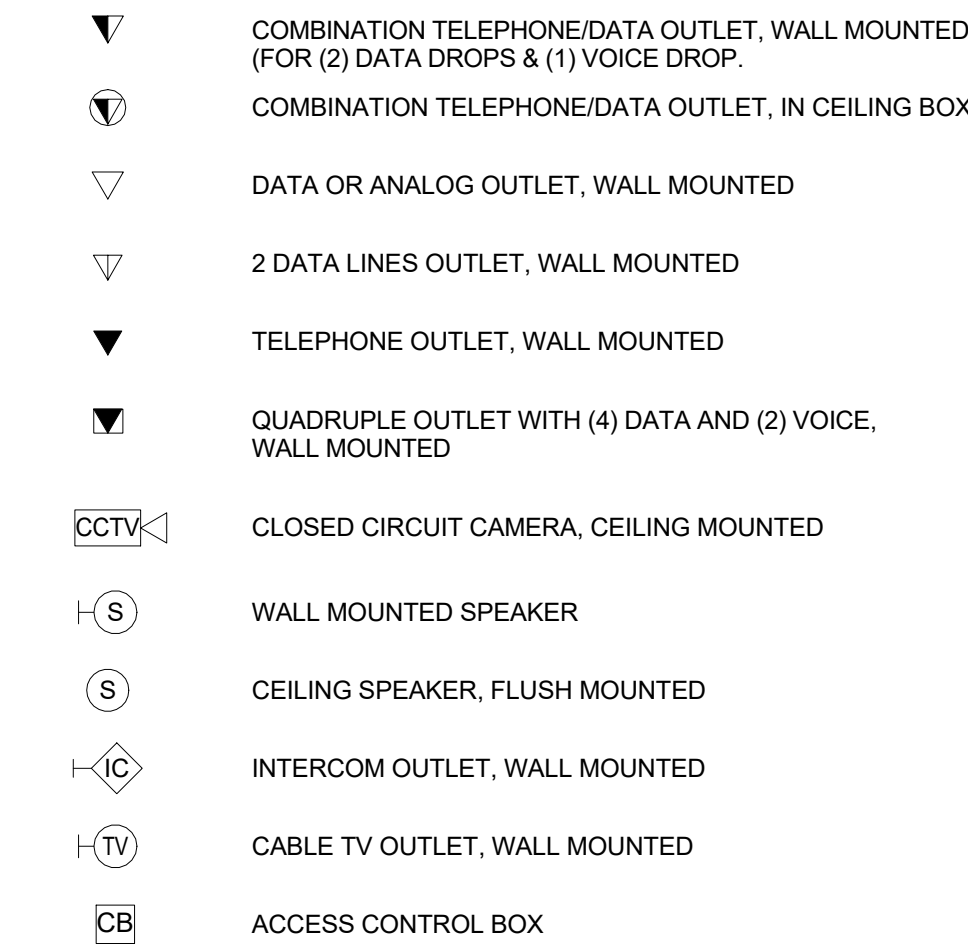
FIRE ALARM SYSTEM



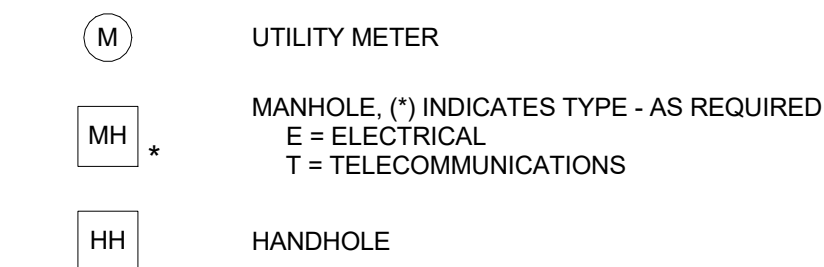
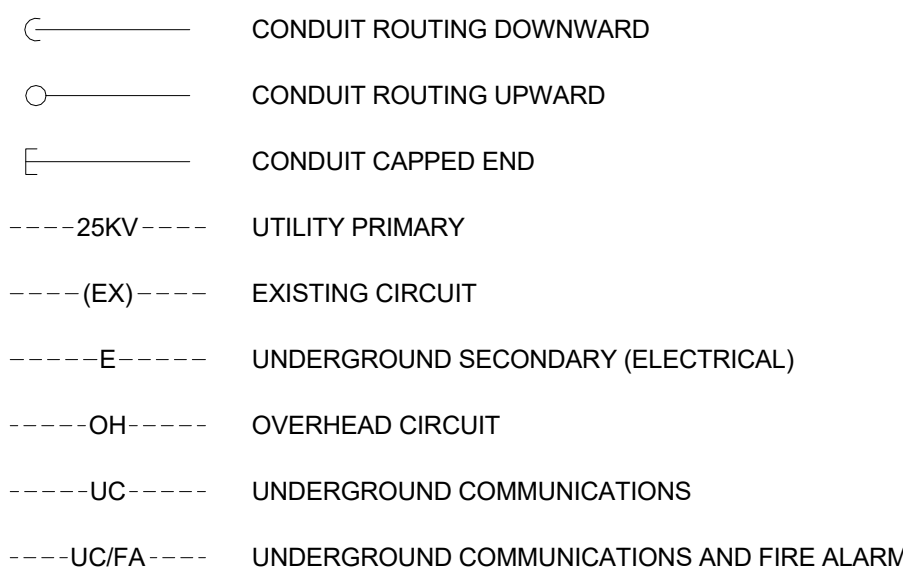
(NOT ALL SYMBOLS AND/OR ABBREVIATIONS SHOWN IN THIS LEGEND WILL BE USED IN THIS CONTRACT)



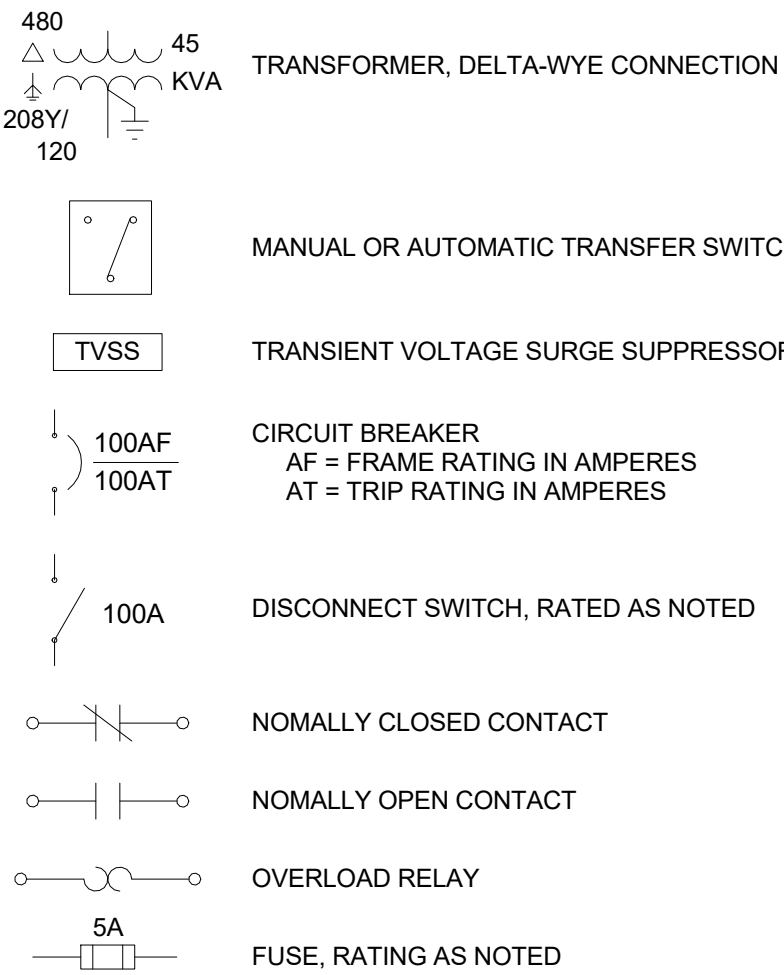
COMMUNICATIONS / SPECIAL SYSTEMS



DISTRIBUTION



ONE-LINE DIAGRAM



ABBREVIATIONS

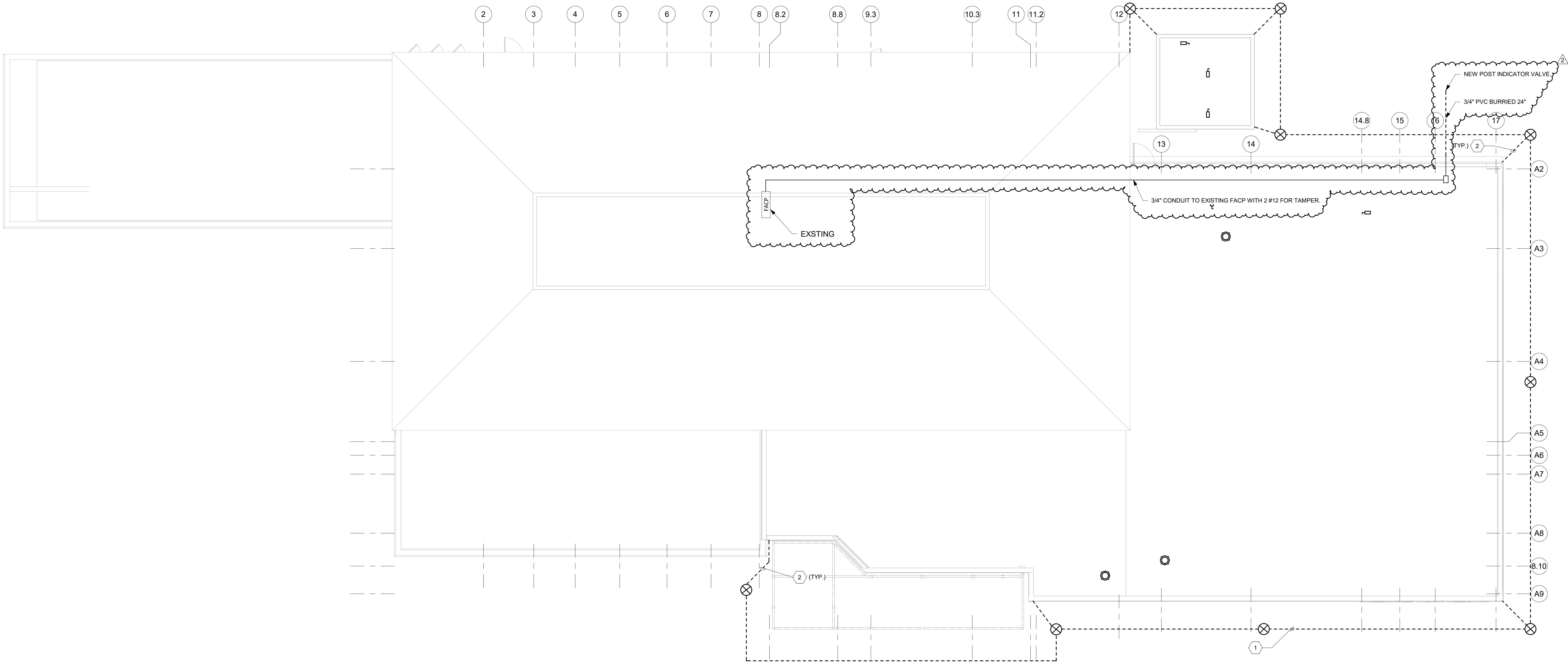
A, AMP	AMPERE	SCR	SHORT CIRCUIT RATING
AC	ALTERNATING CURRENT	SHLD	SHIELDED
AC	ABOVE COUNTER	SQ	SQUARE
A.F.F.	ABOVE FINISH FLOOR	SW	SWITCH
A.F.G.	ABOVE FINISH GRADE	SWB	SWITCHBOARD
AIC	AMPERES INTERRUPTING CURRENT	SWGR	SWITCHGEAR
APPROX.	APPROXIMATELY	SYM	SYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH		
AWG.	AMERICAN WIRE GAUGE	T	TRANSFORMER
		TC	TERMINAL CABINET
BC	BARE COPPER	TB	TELEPHONE EQUIPMENT BOARD
BFG	BELOW FINISHED GRADE	TELE	TELEPHONE
		TTB	TELEPHONE TERMINAL BOARD
C	CONDUIT	TV	TELEVISION
CB	CIRCUIT BREAKER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
CCTV	CLOSED CIRCUIT TELEVISION	TYP.	TYPICAL
CKT	CIRCUIT		
CLG	CEILING	UH	UNIT HEATER
COMM	COMMUNICATIONS	UG	UNDERGROUND
CONC	CONCRETE	UL	UNDERWRITERS LABORATORIES
CU	COPPER	UON	UNLESS OTHERWISE NOTED
		V	VOLT
DC	DIRECT CURRENT	VA	VOLT AMPERE
DISC.	DISCONNECT		
DN	DOWN	W	WATT OR WIRE
DWG	DRAWING	W/	WITH
		W/O	WITHOUT
(E), (EX)	EXISTING	WP	WEATHERPROOF
EF	EXHAUST FAN	XFMR	TRANSFORMER
EMH	ELECTRICAL MANHOLE		
ELEC	ELECTRICAL		
EMT	ELECTRICAL METALLIC TUBING		
EOLD	END OF LINE DEVICE		
EOP	EQUIPMENT		
EWC	ELECTRIC WATER COOLER		
FA	FIRE ALARM		
FACP	FIRE ALARM CONTROL PANEL		
FLA	FULL LOAD AMPERES		
FLEX	FLEXIBLE METAL CONDUIT		
FLR	FLOOR		
FO	FIBER OPTICS		
FT	FEET		
G, GND.	GROUND		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
HH	HAND HOLE		
HID	HIGH INTENSITY DISCHARGE		
HOA	HAND-OFF-AUTOMATIC		
HP	HORSEPOWER		
HPS	HIGH PRESSURE SODIUM		
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METAL CONDUIT		
IN	INCHES		
INC	INCANDESCENT		
JB	JUNCTION BOX		
KCMIL	THOUSAND CIRCULAR MILS		
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KW	KILOWATT		
KH	KILOWATT HOUR		
LAN	LOCAL AREA NETWORK		
LP	LIGHTING PANEL		
LT	LIQUID TIGHT		
LTG	LIGHTING		
MAX	MAXIMUM		
MCC	MOTOR CONTROL CENTER		
MDP	MAIN DISTRIBUTION PANELBOARD		
M	METER		
MH	MANHOLE OR METAL HALIDE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		
MTD	MOUNTED		
N/A	NOT APPLICABLE		
NC	NORMALLY CLOSED		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
NIC	NOT IN CONTRACT		
NO	NORMALLY OPEN		
NL	NIGHT LIGHT		
NTS	NOT TO SCALE		
OC	ON CENTER		
OHP	OVERHEAD POWER		
O/P	OUTPUT		
PA	PUBLIC ADDRESS		
PB	PULL BOX		
PH	PHASE		
PNL	PANELBOARD		
PP	POWER PANEL		
PP	POWER POLE		
PSI	POUNDS PER SQUARE INCH		
PT	POTENTIAL TRANSFORMER		
PVC	POLYVINYL CHLORIDE		
PWR	POWER		
QTY	QUANTITY		
RCPT	RECEPTACLE		
RGS	RIGID GALVANIZED STEEL		
RM	ROOM		
RMC	RIGID METAL CONDUIT		
RMS	ROOT MEAN SQUARE		

GENERAL NOTES:

- A IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH THE ENTIRE PROJECT PRIOR TO BID. THIS IS TO ALLOW FOR A COMPLETE AND ACCURATE BID PERTAINING TO SCOPE INDICATED ON THE DESIGN DRAWINGS & SPECIFICATIONS. ANY QUESTIONS THAT MAY ARISE IN REGARDS TO THE SCOPE OF WORK INDICATED, WHAT THE CONTRACTOR'S FUNCTIONS ARE OR ANY OTHER ISSUE RELATED TO THE PROJECT ITSELF SHALL BE IDENTIFIED DURING THE BID PERIOD AND COMMUNICATED TO THE ENGINEER FOR CLARIFICATION PRIOR TO AWARD OF CONTRACT.
- B IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE IN THEIR BID THE COSTS FOR INSTALLATION OF JUNCTION BOXES, CONDUIT SUPPORTS, OUTLET COVER PLATES, COORDINATION WITH OTHER TRADES, AND OTHER MISCELLANEOUS ITEMS THAT PERTAIN TO THE SCOPE OF WORK INDICATED.
- C ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) OR THE NATIONAL ELECTRICAL SAFETY CODE (NESC).
- D REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR CEILING TYPE, HEIGHT, AND GENERAL BUILDING INFORMATION.
- E SEAL ALL CONDUIT PENETRATIONS WITH APPROVED FIRE RATED MATERIALS AS TO MAINTAIN FIREWALL RATINGS. REFER TO ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF ALL FIRE RATED WALLS.
- F IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY WALLS, CEILINGS, ETC. THAT HAS BEEN DAMAGED DURING THE CONSTRUCTION. REPAIR UTILIZING MATCHING MATERIALS, AND WORK SHALL BE DONE IN A PROFESSIONAL MANNER.
- G LOCATIONS OF ELECTRICAL EQUIPMENT AND ALL OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF OTHER EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS.
- H ALL CONDUIT ROUTINGS SHOWN ON THE PLAN DRAWINGS ARE APPROXIMATE. EXACT ROUTINGS AND LOCATION OF CONDUITS SHALL BE COORDINATED IN THE FIELD AND INSTALLED AS FIELD CONDITIONS ALLOW.
- I ALL CONDUIT SHALL BE CONCEALED WITHIN NEW WALLS OR ABOVE THE NEW CEILING WHEN POSSIBLE.
- J ALL HOME RUN CIRCUITING SHALL BE 1/2" EMT CONDUIT, WITH #12 THHN COPPER WIRING (MINIMUM), UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER.
- K CONTRACTOR SHALL INSTALL NEW PULL BOXES AND JUNCTION BOXES AS NEEDED OR WHEREVER IT IS REQUIRED BY N.E.C. ALL NEW WIRING SHALL BE IDENTIFIED AND TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS.
- L THE MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE OTHER TRADES AND REFERENCE THE ARCHITECTURAL INFORMATION FOR EXACT HEIGHTS OF DEVICES PRIOR TO ELECTRICAL ROUGH-IN, UNLESS OTHERWISE NOTED. THIS ALSO PERTAINS TO LOCATIONS OF WALL BOXES, SENSORS, T-STATS, SWITCHES, ETC.
- M SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION INDICATED ON THE DRAWINGS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER FOR CLARIFICATION AND DIRECTION PRIOR TO COMMENCING WORK.
- N WHEREVER REQUIRED, THE CONTRACTOR SHALL FURNISH AND INSTALL UNISTRUT CHANNELS, ANGLE IRON, THREADED ROD OR ANY ADDITIONAL SUPPORTS REQUIRED TO ACCOMMODATE THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT AND MATERIALS.
- O UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL CHANGES THAT HAVE BEEN MADE AS PART OF THIS CONTRACT. PROVIDE UPDATED TYPEWRITTEN SCHEDULES FOR ALL PANELS AND LABEL ALL PANELS AND EQUIPMENT AS REQUIRED.
- P FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT PLUS 18" FROM FLOOR TO CENTERLINE DIMENSION EXCEPT WHERE NOTED OTHERWISE
- Q FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR TO CENTER LINE DIMENSION.
- R ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL COMPLY WITH ASTM E814.
- S CONNECTION FOR ELECTRIC WATER COOLER (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE DIRECTLY BELOW AND CENTERED. CONTRACTOR TO VERIFY WHAT TYPE OF WATER COOLER TO BE INSTALLED.
- T MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR TO CENTERLINE DIMENSION UNLESS NOTED OTHERWISE.
- U MOUNT ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT +90" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER EXCEPT WHERE OTHERWISE NOTED.
- V CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED DEVICES WITH LUMINAIRES, SPRINKLER HEADS AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILL.
- W CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION.
- X ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATION EQUIPMENT ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE.
- Y CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE PREPARED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- Z CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR EXECUTION OF ELECTRICAL WORK. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.

SHEET		of		
PROJECT NUMBER		117043		
DATE		07/20/2018		
SCALE		12" = 1'-0"		
CHKD BY		KRAYER		
DRWN BY		VICUNA		
ELECTRICAL SYMBOLS LEGENDS & GENERAL NOTES				
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY RENOVATION & ADDITION				
MESCALERO SERVICE UNIT				
4101 Indian School Road NE Albuquerque, New Mexico 87110				
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE				
INDIAN HEALTH SERVICE				
DEPARTMENT OF HEALTH AND HUMAN SERVICES				
				
Consultant				
				
609 KACADIAN ROAD NE 1500 N.M. HIGHWAY 1000 N.E. ALBUQUERQUE, NM 87105-1000				
				
APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
02				
07/20/2018	DESCRIPTION			
AMENDMENT 002				

\\gym-fserver\users\isaiah\Documents\20-107 IHS Mesalero MEP_v20_isaiag\MLF.rvt



1 PARTIAL ELECTRICAL SITE PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS
B REFER TO LP-1 FOR LIGHTNING PROTECTION SYSTEM

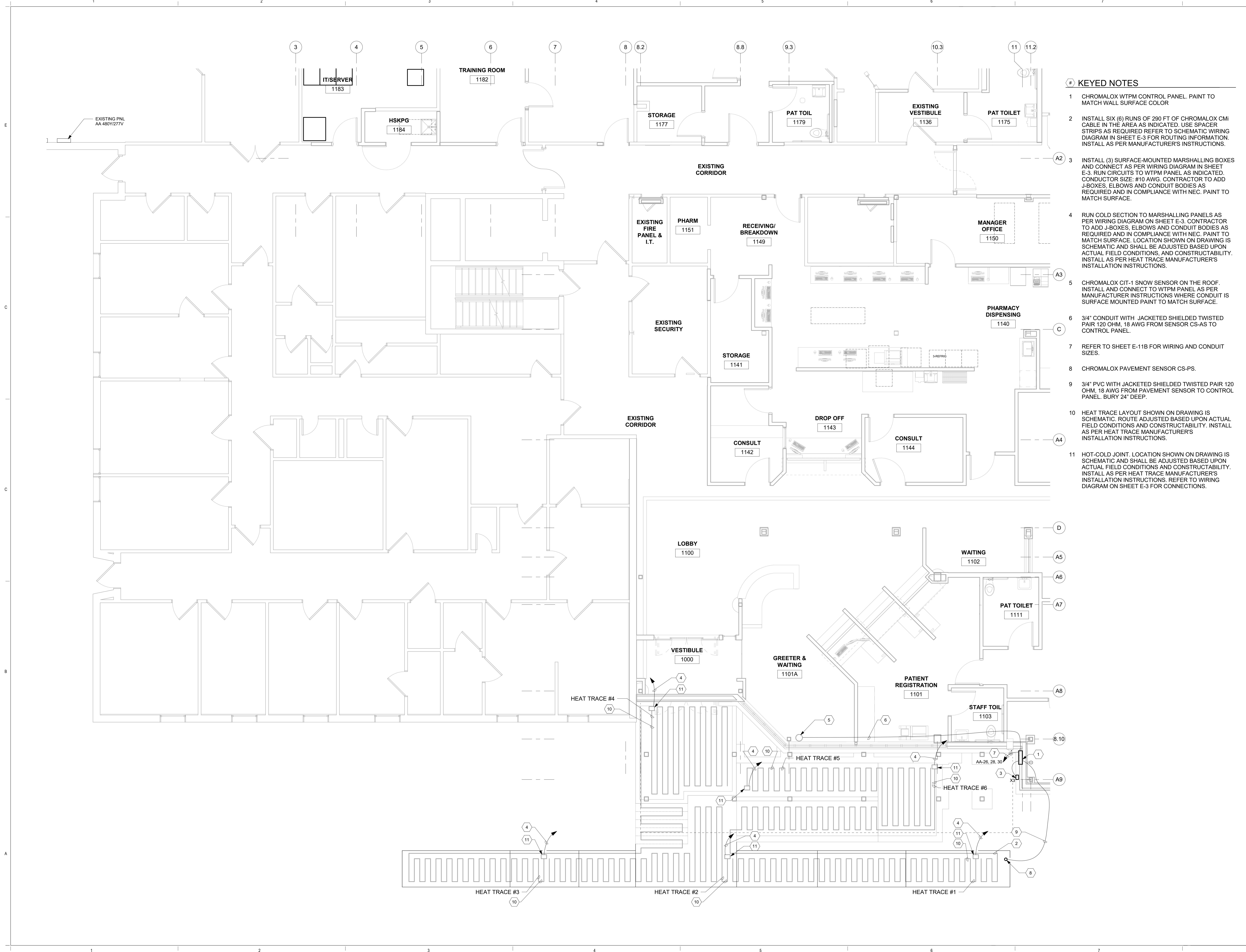
KEYED NOTES

- 1 4/0 BARE CU COUNTERPOISE BURIED 24" DEEP 5'-0" FROM BUILDING. COORDINATE WITH SHEET LP-1 AND CIVIL SITE PLAN.
2 COUNTERPOISE CONNECTION TO DOWN CONDUCTOR.

MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002
APPROVED	11/02/2021	ARCHITECTURAL MECHANICAL ELECTRICAL PLUMBING
STAMP		
CONSULTANT		
INDIAN HEALTH SERVICE		
DEPARTMENT OF HEALTH AND HUMAN SERVICES		
INDIAN HEALTH SERVICE		
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING		
ALBUQUERQUE AREA OFFICE		
4101 Indian School Road NE Albuquerque, New Mexico 87110		
MESCALERO SERVICE UNIT		
318 ABALONE LOOP MESCALERO, NM 88503 OTERO COUNTY		
RENOVATION & ADDITION		
PARTIAL ELECTRICAL SITE PLAN		
DRWN BY VICUNA		
CHKD BY KRAYER		
SCALE 1/8" = 1'-0"		
DATE 07/20/2018		
E-2		
PROJECT NUMBER 117043		
SHEET of		



\\ngm-fserver\users\sls\sls\Documents\20-107 IHS Mescalero_MEP_v20_islaing\MLF.rvt



- # KEYED NOTES**
- CHROMALOX WTPM CONTROL PANEL. PAINT TO MATCH WALL SURFACE COLOR
 - INSTALL SIX (6) RUNS OF 290 FT OF CHROMALOX CMI CABLE IN THE AREA AS INDICATED. USE SPACER STRIPS AS REQUIRED REFER TO SCHEMATIC WIRING DIAGRAM IN SHEET E-3 FOR ROUTING INFORMATION. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
 - INSTALL (3) SURFACE-MOUNTED MARSHALLING BOXES AND CONNECT AS PER WIRING DIAGRAM IN SHEET E-3. RUN CIRCUITS TO WTPM PANEL AS INDICATED. CONDUCTOR SIZE: #10 AWG. CONTRACTOR TO ADD J-BOXES, ELBOWS AND CONDUIT BODIES AS REQUIRED AND IN COMPLIANCE WITH NEC. PAINT TO MATCH SURFACE.
 - RUN COLD SECTION TO MARSHALLING PANELS AS PER WIRING DIAGRAM ON SHEET E-3. CONTRACTOR TO ADD J-BOXES, ELBOWS AND CONDUIT BODIES AS REQUIRED AND IN COMPLIANCE WITH NEC. PAINT TO MATCH SURFACE. LOCATION SHOWN ON DRAWING IS SCHEMATIC AND SHALL BE ADJUSTED BASED UPON ACTUAL FIELD CONDITIONS, AND CONSTRUCTABILITY. INSTALL AS PER HEAT TRACE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - CHROMALOX CIT-1 SNOW SENSOR ON THE ROOF. INSTALL AND CONNECT TO WTPM PANEL AS PER MANUFACTURER INSTRUCTIONS WHERE CONDUIT IS SURFACE MOUNTED PAINT TO MATCH SURFACE.
 - 3/4" CONDUIT WITH JACKETED SHIELDED TWISTED PAIR 120 OHM, 18 AWG FROM SENSOR CS-AS TO CONTROL PANEL.
 - REFER TO SHEET E-11B FOR WIRING AND CONDUIT SIZES.
 - CHROMALOX PAVEMENT SENSOR CS-PS.
 - 3/4" PVC WITH JACKETED SHIELDED TWISTED PAIR 120 OHM, 18 AWG FROM PAVEMENT SENSOR TO CONTROL PANEL. BURY 24" DEEP.
 - HEAT TRACE LAYOUT SHOWN ON DRAWING IS SCHEMATIC. ROUTE ADJUSTED BASED UPON ACTUAL FIELD CONDITIONS AND CONSTRUCTABILITY. INSTALL AS PER HEAT TRACE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - HOT-COLD JOINT. LOCATION SHOWN ON DRAWING IS SCHEMATIC AND SHALL BE ADJUSTED BASED UPON ACTUAL FIELD CONDITIONS AND CONSTRUCTABILITY. INSTALL AS PER HEAT TRACE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO WIRING DIAGRAM ON SHEET E-3 FOR CONNECTIONS.

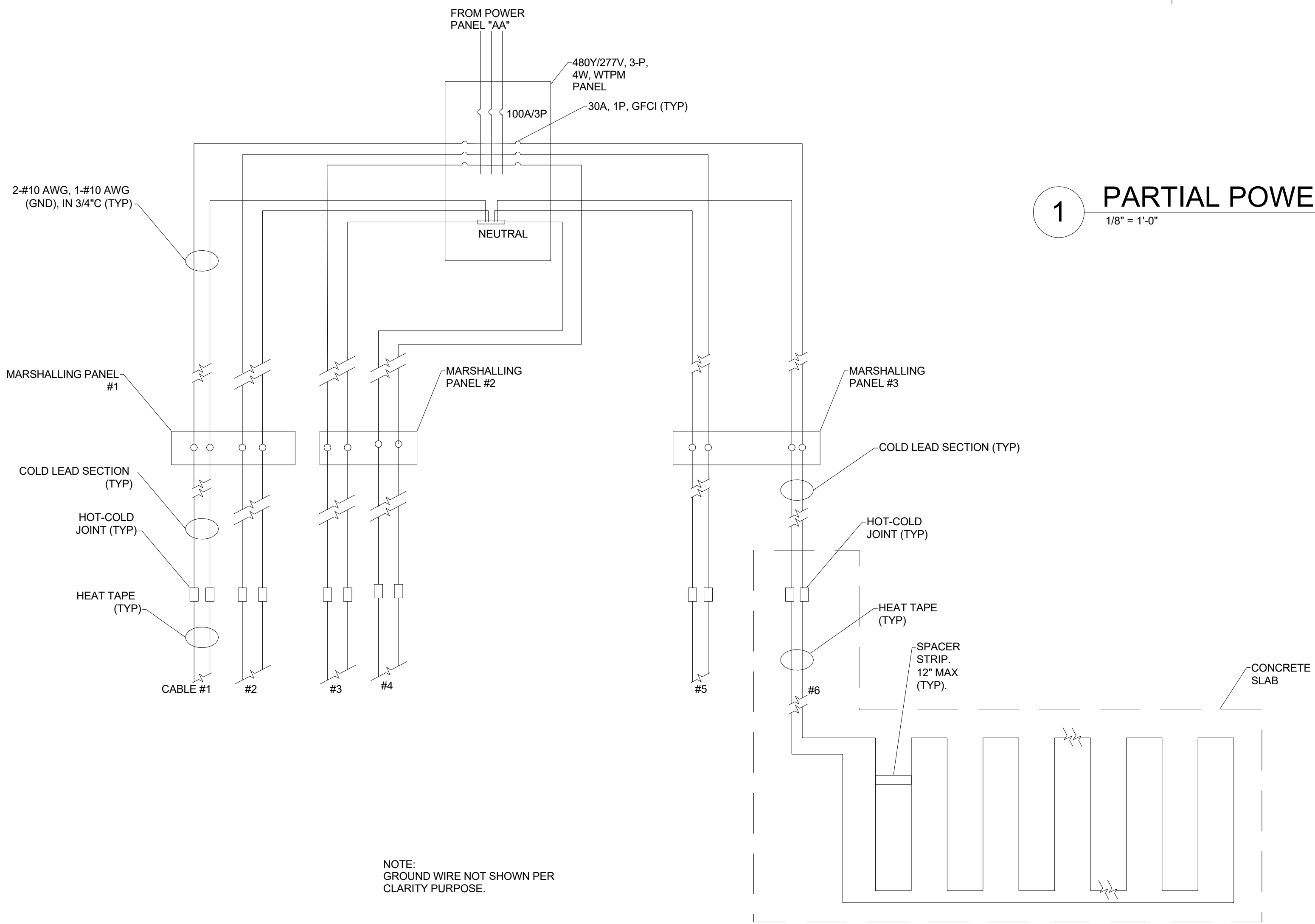
DESCRIPTION	AMENDMENT 002	DATE	11/02/2021	MARK	02	APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
STAMP JOSEPH H. KRAUSE PROFESSIONAL ENGINEER NO. 5026 11/2/21										
CONSULTANT ROCK GAP P E N N S Y L V A N I A										
INDIAN HEALTH SERVICE S H S 4551 S E 55th AVE ALBUQUERQUE, NM 87110										
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110										
MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 86603 OTERO COUNTY RENOVATION & ADDITION HEAT TRACE PLAN										
DRWN BY IG										
CHKD BY AA										
SCALE 1/4" = 1'-0"										
DATE 07/20/2018										
E-2A										
PROJECT NUMBER 117043										
SHEET of										

\\gmm-fs-server\users\lisaiah\Documents\20-107 IHS Mesalero MEP_v20_lisaiah\MLF.rvt

SPACE	100A, 3P	MCP3 PENTHOUSE
(ATS-3) MP2	100A, 3P	- LA 2ND FLOOR
MP1	150A, 3P	- 2CB, RM 232
CHILLER AC-1	200A, 3P	- X-RAY, RM 127A
SPACE	300A, 3P	- EM-1 (ATS-1)
PANEL 1LB, RM 132	225A, 3P	- PANEL K, RM 245
MCP4	225A, 3P	- PANEL 1LA, RM 142
100A, 3P SPARE	100A, 3P SPARE	
SPACE	SPACE	
	SPD	

ELEVATION OF EXISTING 208V MDP - RM 147

12" = 1'-0"



HEAT TRACE DIAGRAM

1 1/2" = 1'-0"

PARTIAL POWER PLAN

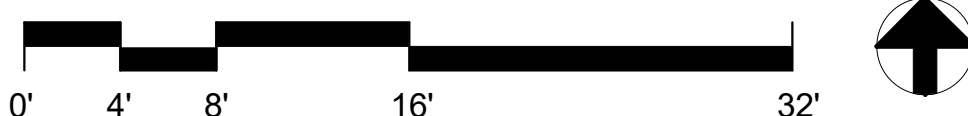
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
- REFER TO E-13 FOR PANEL SCHEDULES.

KEYED NOTES

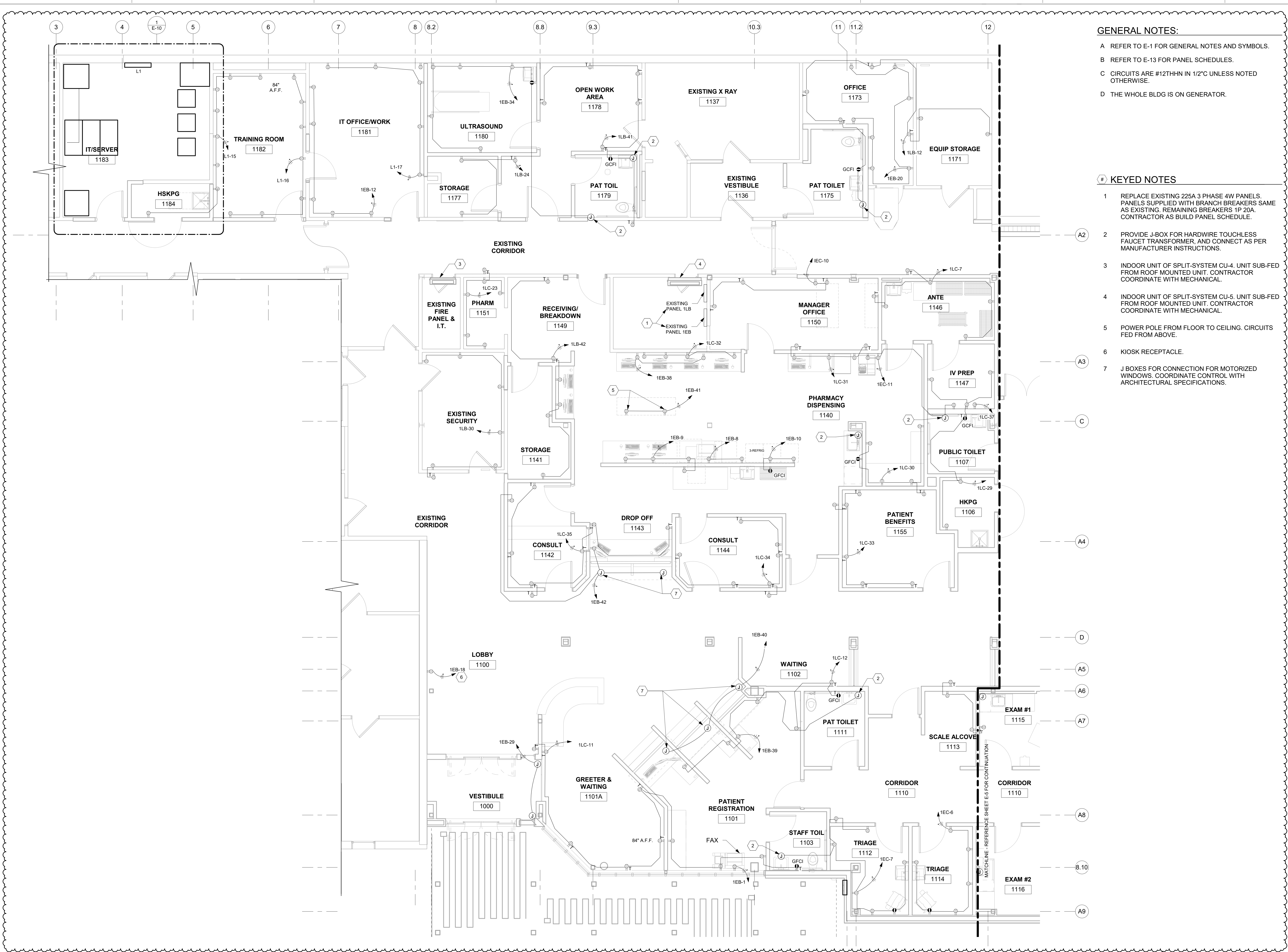
- INSTALL 90A, 3P, 480V BREAKER WITH SHUNT TRIP IN PANEL 'AA' AND INSTALL 3 #1 & 1 #8 GD IN 1-1/4" TO DISCONNECT IN ELECTRICAL ROOM TO SERVE 75 KVA TRANSFORMER.
- INSTALL 90 AMP 3P 480V BREAKER IN PANEL 'AA' TO FEED 75 KVA IN ROOM 2100.
- INSTALL 3 # 1/0 & 1 #8 GD IN 1-1/2" TO 100A DISCONNECT IN RM 2100 FROM PANEL 'AA' IN RM 147.
- INSTALL 225A, 3P, 480V IN EXISTING PANEL 'AA' TO FEED NEW PANEL 'AC' IN ELECTRICAL ROOM. 2100
- INSTALL 4 #250 KCMIL & 1#4 GD IN 2-1/2" FROM PNL AA TO NEW PANEL 'AC' IN ELECTRICAL ROOM. 2100
- INSTALL 225A, 3P, 240V BREAKER IN EXISTING PANEL 'EM' TO FEED NEW PANEL 'IEC'.
- INSTALL 4 # 4/0 & 1 #6 GD IN 2-1/2" TO NEW PANEL 'IEC' IN CORR 1108.
- INSTALL 225A, 208Y/120V, 4W PANEL IEC FLUSH IN WALL.
- INSTALL 225A, 208Y/120V, 4W PANEL ILC FLUSH IN WALL.
- INSTALL 3 #8 & 1 #10 GD IN 3/4" TO EXISTING PANEL 'AA' IN ROOM 147. INSTALL A 3 POLE - 480V 35A SHUNT TRIP CIRCUIT BREAKER FOR EACH FEEDER AND AS-BUILD THE PANEL SCHEDULE FOR CRAC-1 AND CRAC-2. DISCONNECT PROVIDED WITH MECHANICAL PRIOR TO ROUGH-IN.
- 4 #4/0 AND 1 #6 GD IN 2-1/2" FLEX FROM 75 KVA TO 200A SS.
- 30 KVA XFRM T 3 480-208Y/120.
- 75 KVA XFRM T 2 480-208Y/120.
- 100A 480V SS FEEDING T2.
- 240V 200A 3P FUSIBLE SWITCH. FUSE 200A.
- 3 #8 & 1 #10 GD IN 3/4" FLEX TO T3.
- 4 #2 & 1 #6 GD IN 1-1/4" FLEX TO PANEL 1LD.
- 4 #4/0 AND 1 #6 GD IN 2-1/2" FROM 200A 240V SS TO PANEL 'ILC'.
- 2-3/4" EACH WITH 3 #8 & 1 #10 GD FROM PANEL 'AA' TO CRACK-1 AND CRAC-2.
- INSTALL 3 # 1/0 & 1 #8 GD IN 1-1/2" FLEX TO 75 KVA.
- INSTALL 4 #4/0 AND 1 #6 FROM 200A SS IN RM 147 AT LOAD SIDE OF 75 KVA. T 1 TO PANEL L1 IN RM 1183
- 200A 240V SS FUSE 200A.
- 3 #1 & 1 #8 IN 1" FLEX
- 100A 3P 480V, SS
- 3-#6 AWG, 1-#6 AWG (N), 1-#8 AWG (G); 1.25"C. RUN CONDUIT IN CEILING SPACE.
- HEAT TRACE CHROMALOX WTP CONTROL PANEL. REFER TO SHEET E-2A.



MARK	DESCRIPTION	DATE	AMENDMENT 002	APPROVED	ELECTRICAL	MECHANICAL	PLUMBING
02		07/20/2018					
STAMP							
JOSH H. KRAVER Professional Engineer No. 2026 State of New Mexico							
CONSULTANT							
INDIAN HEALTH SERVICE 4101 Indian School Road NE Albuquerque, New Mexico 87110							
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110							
PROJECT INFORMATION							
DRWN BY VICUNA							
CHKD BY KRAVER							
SCALE As indicated							
DATE 07/20/2018							
E-3							
PROJECT NUMBER 117043							
SHEET of							

\\gdm-fserver\users\sls\sls\Documents\20-107 IHS Mesalero MEP_v20_islaing\MLF.rvt

E
C
C
B
A



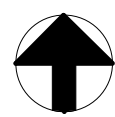
GENERAL NOTES:

- REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
- REFER TO E-13 FOR PANEL SCHEDULES.
- CIRCUITS ARE #12THHN IN 1/2" C UNLESS NOTED OTHERWISE.
- THE WHOLE BLDG IS ON GENERATOR.

KEYED NOTES

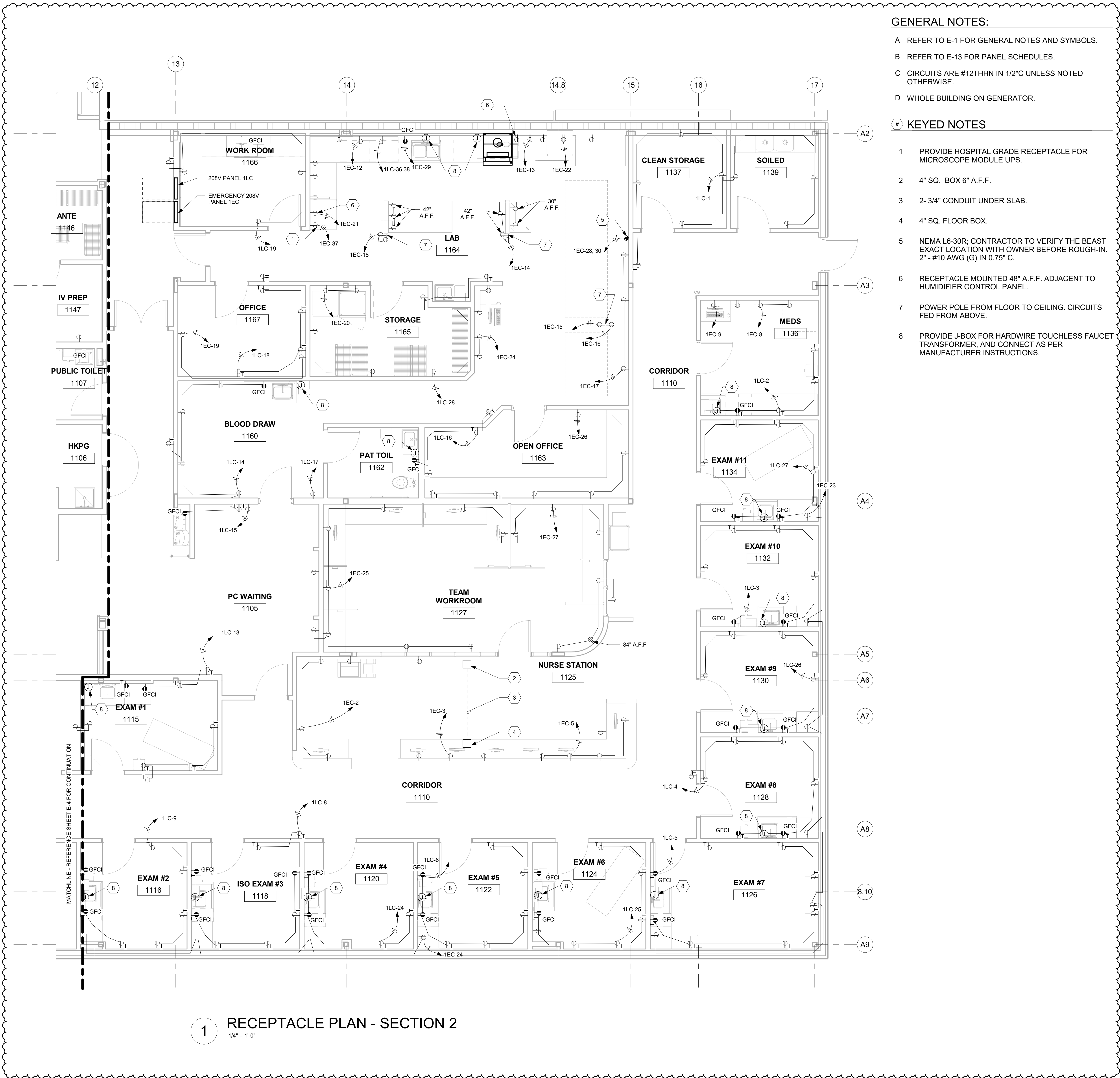
- REPLACE EXISTING 225A 3 PHASE 4W PANELS. PANELS SUPPLIED WITH BRANCH BREAKERS SAME AS EXISTING. REMAINING BREAKERS 1P 20A. CONTRACTOR AS BUILD PANEL SCHEDULE.
- PROVIDE J-BOX FOR HARDWIRE TOUCHLESS FAUCET TRANSFORMER, AND CONNECT AS PER MANUFACTURER INSTRUCTIONS.
- INDOOR UNIT OF SPLIT-SYSTEM CU-4. UNIT SUB-FED FROM ROOF MOUNTED UNIT. CONTRACTOR COORDINATE WITH MECHANICAL.
- INDOOR UNIT OF SPLIT-SYSTEM CU-5. UNIT SUB-FED FROM ROOF MOUNTED UNIT. CONTRACTOR COORDINATE WITH MECHANICAL.
- POWER POLE FROM FLOOR TO CEILING. CIRCUITS FED FROM ABOVE.
- KIOSK RECEPTACLE.
- J BOXES FOR CONNECTION FOR MOTORIZED WINDOWS. COORDINATE CONTROL WITH ARCHITECTURAL SPECIFICATIONS.

1 RECEPTACLE PLAN - SECTION 1
1/4" = 1'-0"



MARK	DATE	DESCRIPTION	APPROVED	ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING
02	07/20/2018	AMENDMENT 002					
STAMP							
INDIAN HEALTH SERVICE							
DEPARTMENT OF HEALTH AND HUMAN SERVICES							
INDIAN HEALTH SERVICE							
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING							
ALBUQUERQUE AREA OFFICE							
4101 Indian School Road NE							
Albuquerque, New Mexico							
87110							
MESCALERO SERVICE UNIT							
318 ABALONE LOOP MESCALERO, NM 88503							
OTERO COUNTY							
RENOVATION & ADDITION							
RECEPTACLE PLAN - SECTION 1							
DRWN BY							
VICUNA							
CHKD BY							
KRAYER							
SCALE							
1/4" = 1'-0"							
DATE							
07/20/2018							
E-4							
PROJECT NUMBER							
117043							
SHEET							
of							

\\gym-fserver\users\isaiah\Documents\20-107 IHS Mesalero MEP_v20_isaiah\MLF.rvt



1 RECEPTACLE PLAN - SECTION 2
1/4" = 1'-0"

GENERAL NOTES:

- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
- B REFER TO E-13 FOR PANEL SCHEDULES.
- C CIRCUITS ARE #12THHN IN 1/2" C UNLESS NOTED OTHERWISE.
- D WHOLE BUILDING ON GENERATOR.

KEYED NOTES

- 1 PROVIDE HOSPITAL GRADE RECEPTACLE FOR MICROSCOPE MODULE UPS.
- 2 4" SQ. BOX 6" A.F.F.
- 3 2- 3/4" CONDUIT UNDER SLAB.
- 4 4" SQ. FLOOR BOX.
- 5 NEMA L6-30R; CONTRACTOR TO VERIFY THE BEAST EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. 2" - #10 AWG (G) IN 0.75" C.
- 6 RECEPTACLE MOUNTED 48" A.F.F. ADJACENT TO HUMIDIFIER CONTROL PANEL.
- 7 POWER POLE FROM FLOOR TO CEILING. CIRCUITS FED FROM ABOVE.
- 8 PROVIDE J-BOX FOR HARDWIRE TOUCHLESS FAUCET TRANSFORMER, AND CONNECT AS PER MANUFACTURER INSTRUCTIONS.

MARK	DATE	DESCRIPTION	AMENDMENT 002	APPROVED	PLUMBING
02	07/20/2018	11/02/2021			
STAMP			JOSH H. KRAYER PROFESSIONAL ENGINEER NO. 5026 STATE OF NEW MEXICO		
CONSULTANT			ROCK GAP ARCHITECTURAL P.C. • P.L.L.C. • P.A.		
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110			INDIAN HEALTH SERVICE S.H.S. • S.S.H. • S.S.H.		
MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY RENOVATION & ADDITION RECEPTACLE PLAN - SECTION 2			DRWN BY VICUNA CHKD BY KRAYER SCALE 1/4" = 1'-0" DATE 07/20/2018 E-5 PROJECT NUMBER 117043 SHEET of		

\\gim-fserver\users\sls\sls\Documents\20-107 IHS Mescalero_MEP_v20_islaing\MLF.rvt

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

GENERAL NOTES

A. HEAVY WEIGHT LINES NEW WORK.

KEYED NOTES

1 UTILITY INSTALL 300KVA XFMR ON NEW CONCRETE PAD PER OTERO ELECTRIC STANDARDS. REFER TO E-12 DETAIL ONE.

2 INSTALL UNISTRUT UTILITY RACK ON EQUIPMENT PAD W/ 480V ATS AND 480V MAIN DISTRIBUTION PANEL "MDP 480".

3 INSTALL OTERO ELECTRIC APPROVED UTILITY METER IN CT ENCLOSURE ON EXISTING UTILITY RACK.

4 INSTALL 4'x14' CONCRETE PAD FOR OUTDOOR EQUIPMENT.

5 INSTALL 480V-208V STEPDOWN TRANSFORMER "T1" IN RM 147.

6 INSTALL 6'x14' FOUNDATION FOR GENERATOR.
7 NOT USED.

8 INSTALL 480V POWER PANEL "AA".

9 INSTALL CONDUIT AND CONDUCTORS BETWEEN; UTILITY TRANSFORMER AND CT/METER ENCLOSURE, CT/METER ENCLOSURE AND ATS, ATS AND GEN CONTROL PANEL, ATS AND "MDP 480" AND POWER PANEL "AA", "MDP 480" AND TRANSFORMER "T1".

10 INSTALL COMM/ALARM CABLE AND CONDUIT FROM ATS TO GEN CONTROL PANEL.

11 INSTALL CONDUIT AND CONDUCTORS FROM POWER PANEL "MP2" TO GEN BATTERY CHARGING CIRCUIT.

12 INSTALL CONDUIT AND CONDUCTORS BETWEEN; TRANSFORMER "T1" AND 208V DISC, 208V DISC AND "MDP 208" MAINS.

13 INSTALL CONDUIT AND CONDUCTORS FROM POWER PANEL "AA" IN MECHANICAL ROOM AND POWER PANEL "AB" IN THE PENTHOUSE.

14 INSTALL MAIN LUGS ONLY KIT IN PLACE OF MAIN BREAKER IN EXISTING "MDP 208".
15 INSTALL INSULATED BUSS IN ATS1, ATS2 & ATS3 TO CONNECT LINE AND LOAD CONDUCTORS. REMOVE ENCLOSURE LABELS.

16 INSTALL 2 - 2 1/2" C. EACH WITH 4 250 KCMIL AND 1 #3 GD FROM LOAD SIDE OF 400A BREAKER TO PULL BOX IN CEILING OF RM 147 AND THEN TO PANEL 'AA'

17 2 - 2 1/2" C. EACH WITH 4 - 350 KCMIL.

18 2 3" EACH WITH 4 350 KCMIL.

19 INSTALL 400A 240V FUSED DISCONNECT IN RM 147.

20 CONTRACTOR POUR NEW CONCRETE PAD FOR NEW 300KVA TRANSFORMER. REFER TO DETAIL ONE SHEET E-12. CONTRACTOR COORDINATE LOCATION OF PAD WITH LANCE WRIGHT OTERO COOP ENGINEER PRIOR TO ROUGH IN. FRONT OF TRANSFORMER FACES EAST. PAD POURED AT LEAST 7 DAYS PRIOR TO SCHEDULE OUTAGE TO SET NEW TRANSFORMER. CONTRACTOR TO COORDINATE WITH OTERO ENGINEERING LANCE WRIGHT.

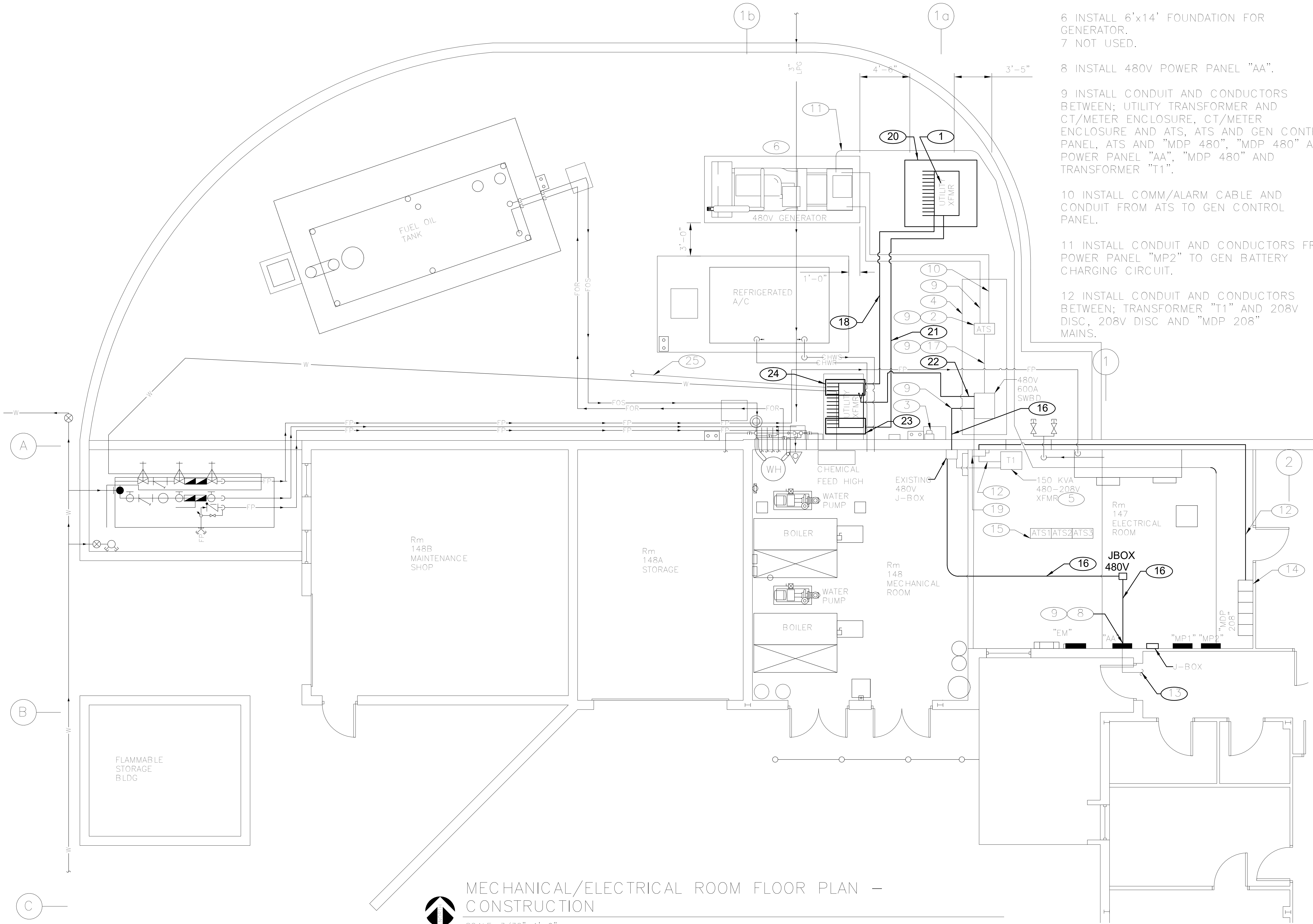
21 INSTALL 1 - 4" C FOR 3 - 15KV CABLES. CABLES INSTALLED BY OTERO COOP.

22 480V CKT FROM 100A 3P BREAKER IN 480 SWBD AND 208V SINGLE PHASE FROM PANEL EM CKT 34,36

23 METAL ENCLOSURE BY OTERO TO SPLICE PRIMARY CABLES TO NEW TRANSFORMER.



24 INSTALL METAL ENCLOSURE 24" X 36" X 36"H TO COVER SECONDARY CABLES IN SECONDARY COMPARTMENT. ANCHOR IN 4 PLACES.

25 EXISTING 208V FEEDER TO MAINTENANCE BLDG AND EXISTING 480V FEEDER TO BLUE ADMIN BLDG.

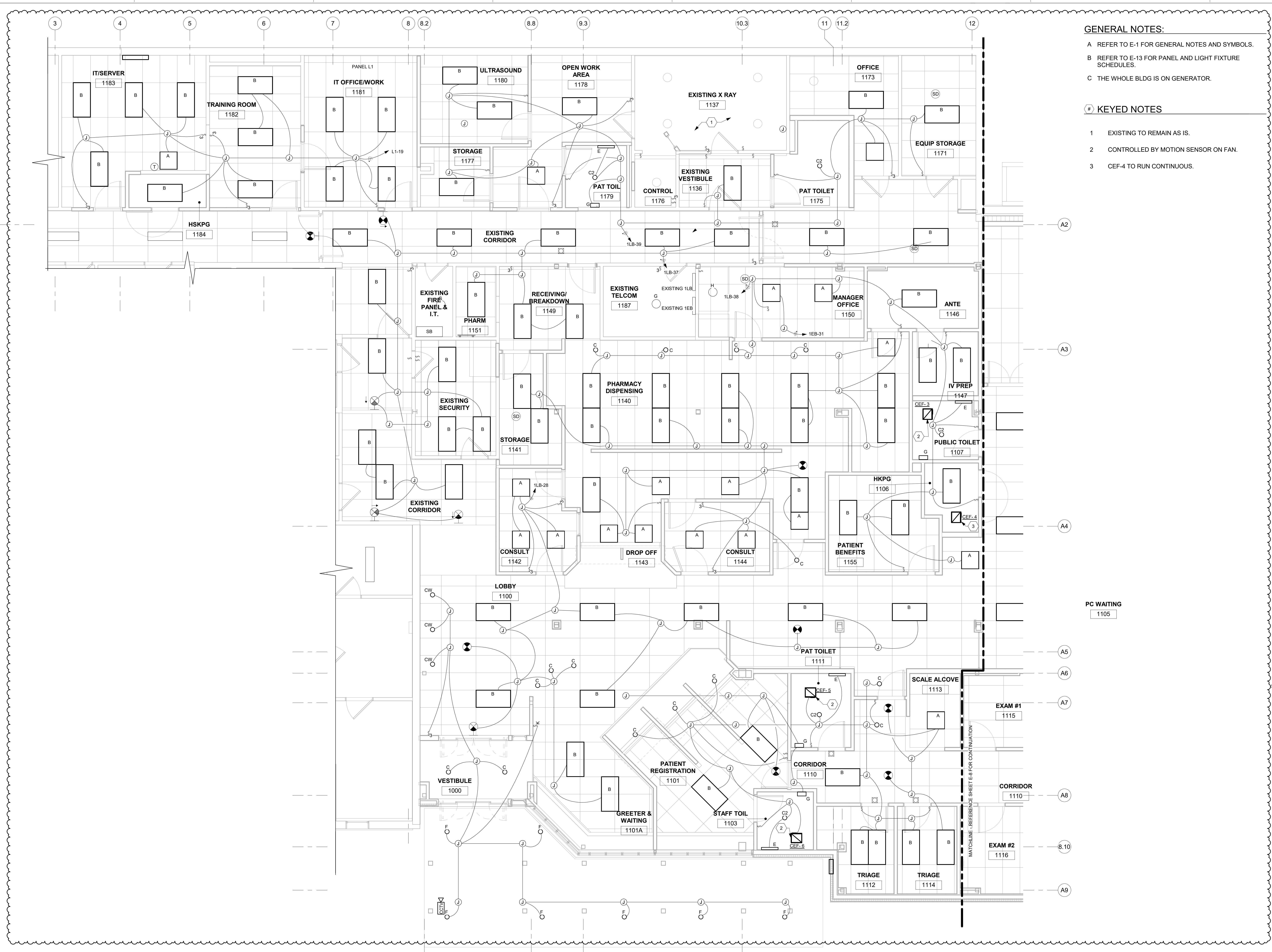


MECHANICAL/ELECTRICAL ROOM FLOOR PLAN -
CONSTRUCTION

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

SHEET		of	
PROJECT NUMBER		117043	
E-6			
DATE		07/20/2018	
SCALE		1/4" = 1'-0"	
CHKD BY		Checker	
DRWN BY		Author	
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY		MESCALERO SERVICE UNIT	
RENOVATION & ADDITION			
MECHANICAL/ELECTRICAL FLOOR PLAN			
4101 Indian School Road NE Albuquerque, New Mexico 87110		OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE	
INDIAN HEALTH SERVICE		INDIAN HEALTH SERVICE DEPARTMENT OF HEALTH AND HUMAN SERVICES	
			
CONSULTANT		CONSULTANT	
C		C	
STAMP		STAMP	
APPROVED		APPROVED	
ARCHITECTURAL		ARCHITECTURAL	
MECHANICAL		MECHANICAL	
ELECTRICAL		ELECTRICAL	
PLUMBING		PLUMBING	
MARK		MARK	
DATE		DATE	
DESCRIPTION		DESCRIPTION	

\\gym-fserver\users\isaiah\Documents\20-107 HHS Mesalero MEP_v20_isaiah\MLF.rvt



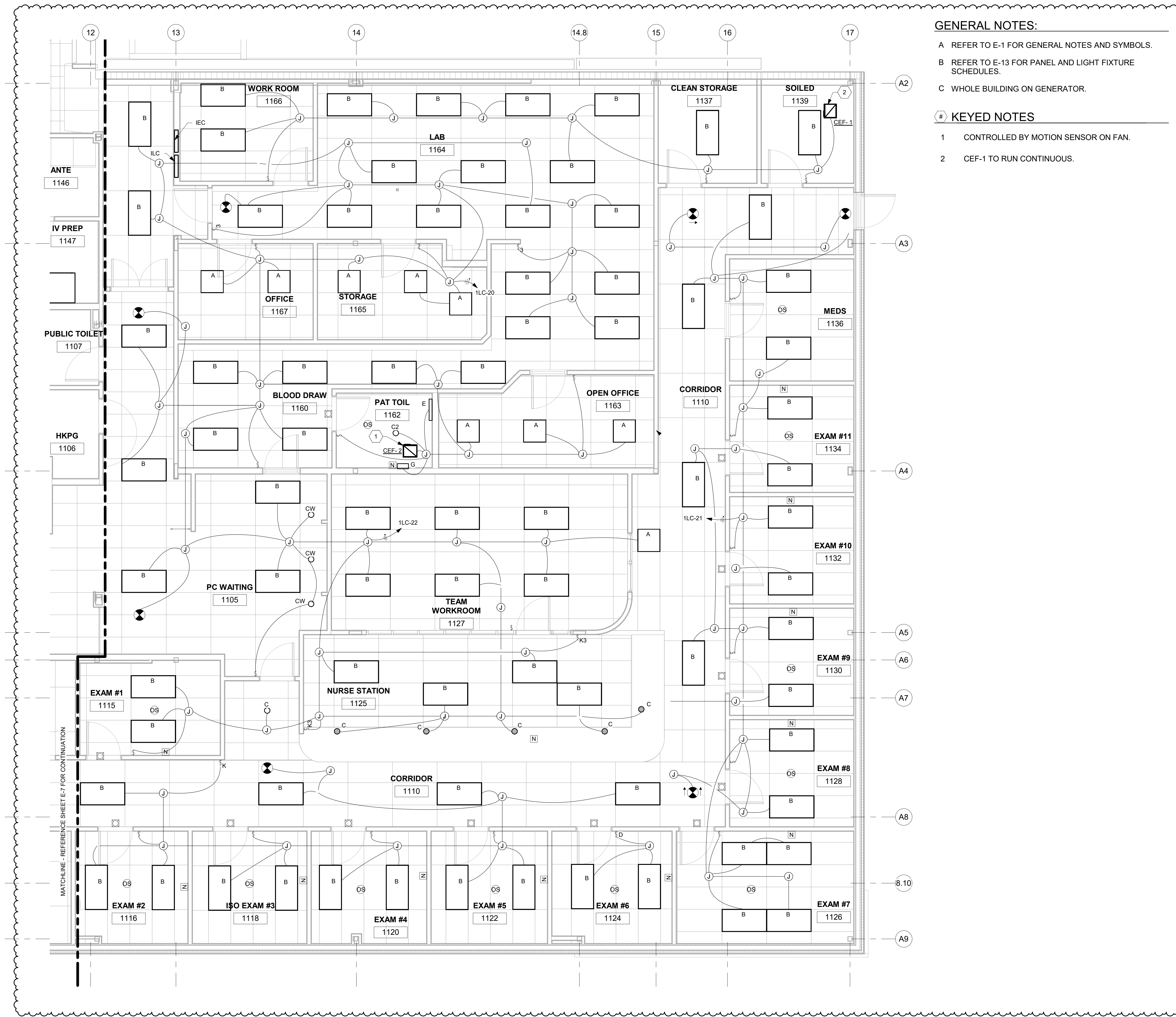
- GENERAL NOTES:**
- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
 - B REFER TO E-13 FOR PANEL AND LIGHT FIXTURE SCHEDULES.
 - C THE WHOLE BLDG IS ON GENERATOR.
- KEYED NOTES**
- 1 EXISTING TO REMAIN AS IS.
 - 2 CONTROLLED BY MOTION SENSOR ON FAN.
 - 3 CEF-4 TO RUN CONTINUOUS.

PC WAITING
1105



MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002
APPROVED	ARCHITECTURAL	ELECTRICAL
PLUMBING		
STAMP	JOSE H. KRAYNER Professional Engineer No. 5026 State of New Mexico	
Consultant	ROCK GAP ARCHITECTS P.C. 1000 N. 10th St., Suite 100 Albuquerque, NM 87102	
INDIAN HEALTH SERVICE	DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110	
DRWN BY	VICUNA	
CHKD BY	KRAYNER	
SCALE	1/4" = 1'-0"	
DATE	07/20/2018	
E-7	PROJECT NUMBER	
117043	SHEET of	

\\gdm-fserver\users\isaiah\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLF.rvt



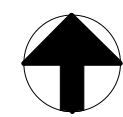
GENERAL NOTES:

- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
B REFER TO E-13 FOR PANEL AND LIGHT FIXTURE SCHEDULES.
C WHOLE BUILDING ON GENERATOR.

KEYED NOTES

- 1 CONTROLLED BY MOTION SENSOR ON FAN.
2 CEP-1 TO RUN CONTINUOUS.

1 LIGHTING FLOOR PLAN - SECTION 2
1/4" = 1'-0"



MARK	DATE	DESCRIPTION
02	07/20/2018	AMENDMENT 002
02	11/02/2021	AMENDMENT 002
APPROVED		ARCHITECTURAL
		MECHANICAL
		ELECTRICAL
		PLUMBING

STAMP
JACOB H. KRAYER
REGISTERED PROFESSIONAL ENGINEER
NO. 5026
STATE OF NEW MEXICO
11/2/21

Consultant
ROCK GAP
ARCHITECTS
P.C.
1000 N. 10TH ST., SUITE 100
ALBUQUERQUE, NM 87102

INDIAN HEALTH SERVICE
SHS
4101 Indian School Road NE
Albuquerque, New Mexico 87110

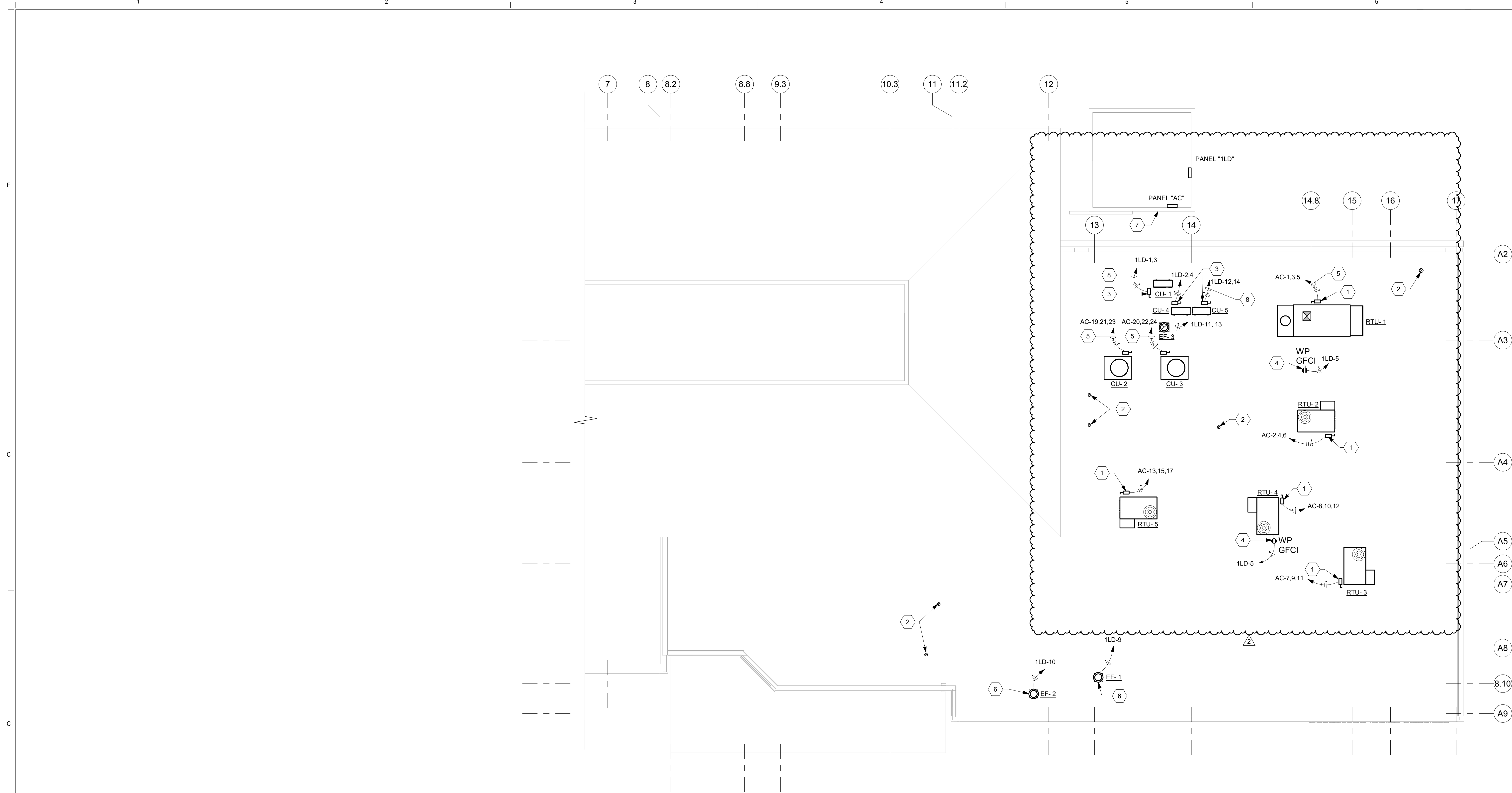
DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE
Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY
RENOVATION & ADDITION
LIGHTING PLAN - SECTION 2

DRWN BY
VICUNA
CHKD BY
KRAYER
SCALE
1/4" = 1'-0"
DATE
07/20/2018

E-8
PROJECT NUMBER
117043
SHEET of

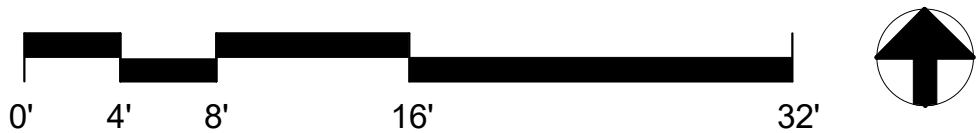
\\gmn-fserver\users\isaiah\Documents\20-107 IHS Mesalero MEP_v20_isaiah\MLF.rvt



1 HVAC ROOF POWER PLAN
1/8" = 1'-0"

- GENERAL NOTES:**
- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
 - B REFER TO E-13 FOR PANEL SCHEDULES.
 - C CONDUCTORS #12 IN 1/2" C UNLESS NOTED OTHERWISE.
 - D CONTRACTOR TO COORDINATE WITH MECHANICAL / CONTROLS CONDUIT AND BOXES TO EQUIPMENT ON ROOF.
 - E REFER TO SHEET E-12 FOR ROOF PENETRATION DETAIL.

- # KEYED NOTES**
- 1 INSTALL 3P 30A 480 V DISCONNECT IN NEMA3R ENCLOSURE. COORDINATE LOCATION WITH MECHANICAL BEFORE ROUGH IN.
 - 2 EXHAUST UP FROM FANS BELOW.
 - 3 INSTALL 2P 240V DISCONNECT IN NEMA 3R ENCLOSURE. FURNISHED BY MECHANICAL. COORDINATE LOCATION WITH MECHANICAL BEFORE ROUGH IN. THESE UNITS SUB-FEED INDOOR UNITS.
 - 4 GFI RECEPTACLE IN WEATHER PROOF NEMA 3R BOX FOR MAINTENANCE.
 - 5 INSTALL 3 #10 AND 1 #10GD IN 1/2" C.
 - 6 INSTALL 1P 120V DISCONNECT IN NEMA 3R ENCLOSURE. FURNISHED BY MECHANICAL. COORDINATE LOCATION WITH MECHANICAL BEFORE ROUGH IN.
 - 7 REFER TO DETAIL 2 ON SHEET E-10 FOR CIRCUITS TO HVAC UNITS.
 - 8 2- #10 AWG, 1- #10 AWG (G) IN 0.75" C.



MARK	DATE	DESCRIPTION	APPROVED	STAMP
02	07/20/2018	AMENDMENT 002		
02	11/02/2021			
ARCHITECTURAL	MECHANICAL	ELECTRICAL	PLUMBING	

CONSULTANT

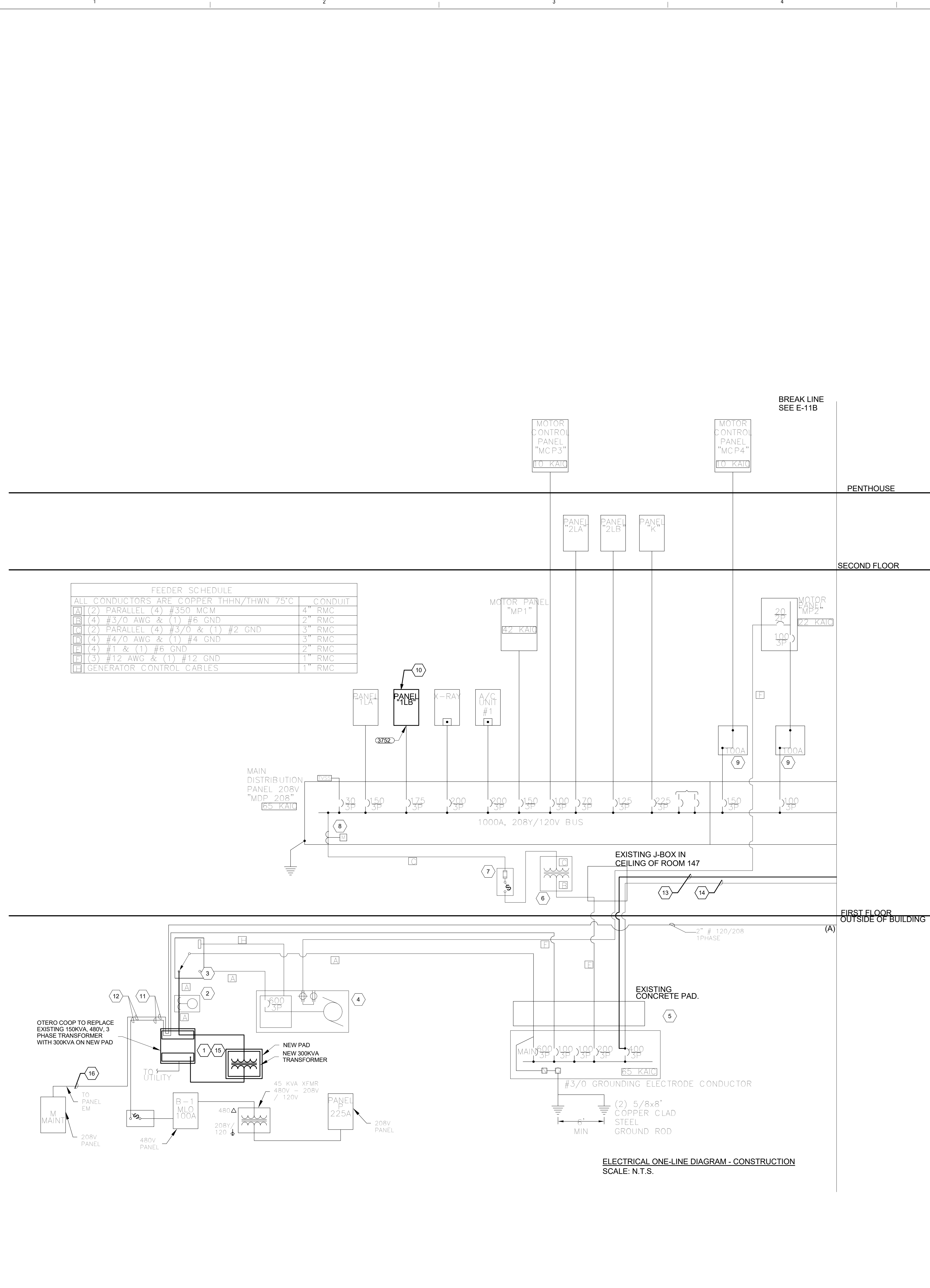
INDIAN HEALTH SERVICE
SHS
5501
ALBUQUERQUE, NEW MEXICO

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
4101 Indian School Road NE Albuquerque, New Mexico 87110

MESCALERO SERVICE UNIT
318 ABALONE LOOP MESCALERO, NM 88503 OTERO COUNTY
RENOVATION & ADDITION
HVAC ROOF POWER PLAN

DRWN BY
VICUNA
CHKD BY
KRAYER
SCALE
1/8" = 1'-0"
DATE
07/20/2018
E-9
PROJECT NUMBER
117043
SHEET of





ELECTRICAL LOAD SUMMARY					
	VA			VA	TOTALS
LIGHTING					
LTG (VA X 1.25)	12,502.1	X	1.25	15,628	15,628
RECEPTACLES					
1ST 10 KVA @ 100%	10,000.0	X	1	10,000	
> 10 KVA @ 50%	51,020.0	X	0.5	25,510	
TOTAL RECEPTACLE (VA)				35,510	35,510
I.T. ROOM					
UPS 45 KVA	45,000.0	X	1	45,000	
CRAC UNITS (2 X 18.78 KVA EACH)	37,560.0	X	1	37,560	
CRAC CONDENSERS (2)(1.4AX480VX1.73)	2,327.8	X	1	2,328	
TOTAL I.T. (VA)				84,888	84,888
HVAC					
RTU-1; 16A	13,286.4	X	1.25	16,608	
RTU-2; 12A	9,964.8	X	1	9,965	
CU-1, 4, 5	12,470.0	X	1	12,470	
CU-2, 3	1,993.0	X	1	1,993	
EUH	3,000.0	X	1	3,000	
RTU-3; 12A	9,964.8	X	1	9,965	
RTU-4; 12A	9,964.8	X	1	9,965	
RTU-5; 12A	9,964.8	X	1	9,965	
TOTAL HVAC (VA)				73,930	73,930
MEDICAL EQUIPMENT (VA)	10,000.0	X	1	10,000	10,000
HEAT TRACE					
# HEAT TRACE CABLES (EA)	6.0				
WATT /CABLE	6,610.0				
TOTAL HEAT TRACE WATTS	39,660.0	X	1.25	49,575	49,575
SUB-TOTAL (VA)					269,531
FUTURE 20% (VA)					53,906
TOTAL (KVA)					323
ESTIMATED DEMAND (KVA)					
NEW (323 KVA X 0.7)					226
OLD (107 KVA X 0.9)					96
TOTAL DEMAND (KVA)					323

KEYED NOTES


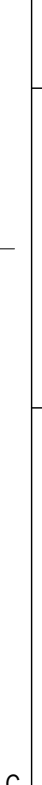
- GENERAL NOTES:**

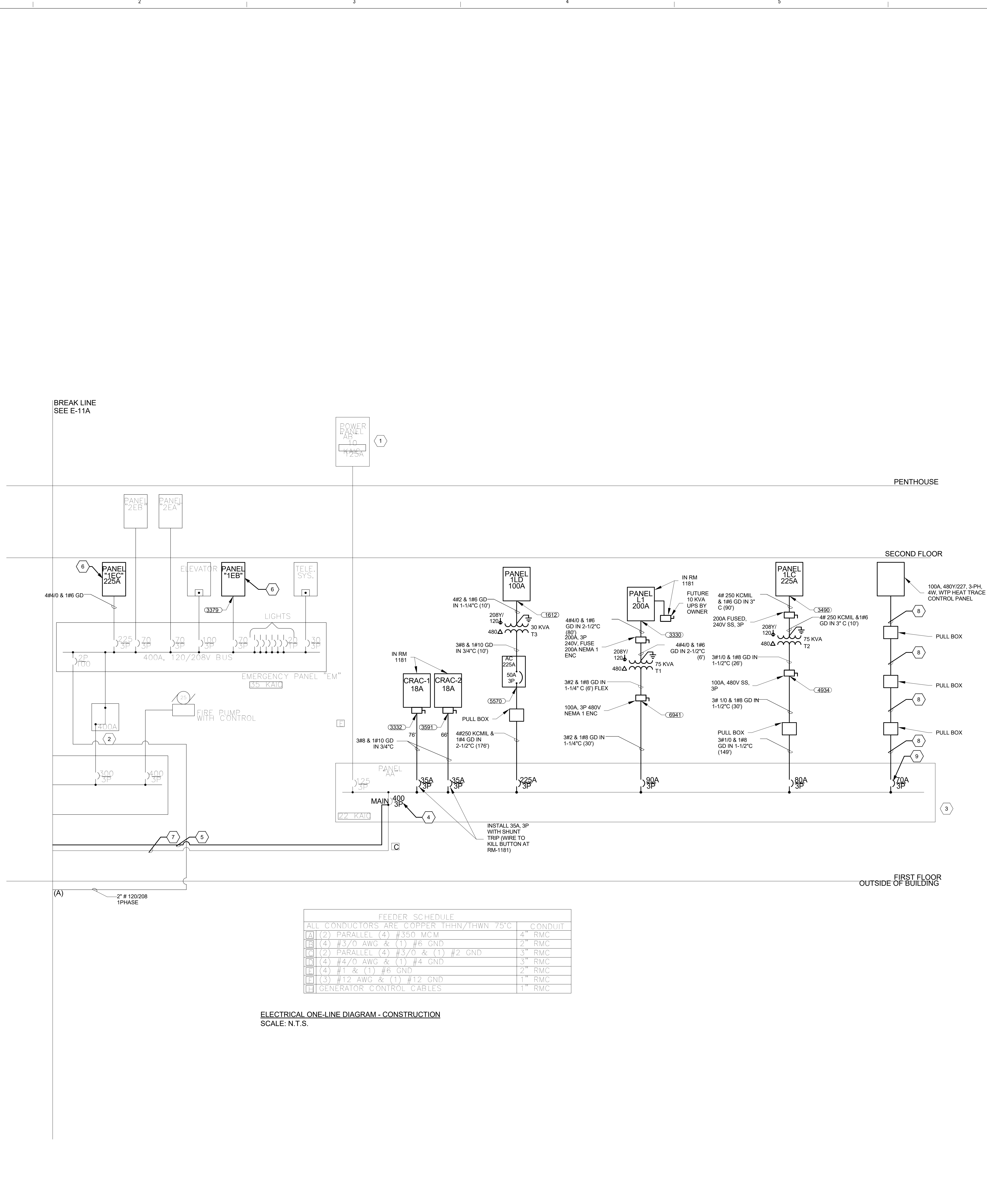
A THE GENERATOR SERVES THE TOTAL LOAD OF THE FACILITY.

B NEW WORK THIS PROJECT IS HEAVY WEIGHT.

KEYED NOTES

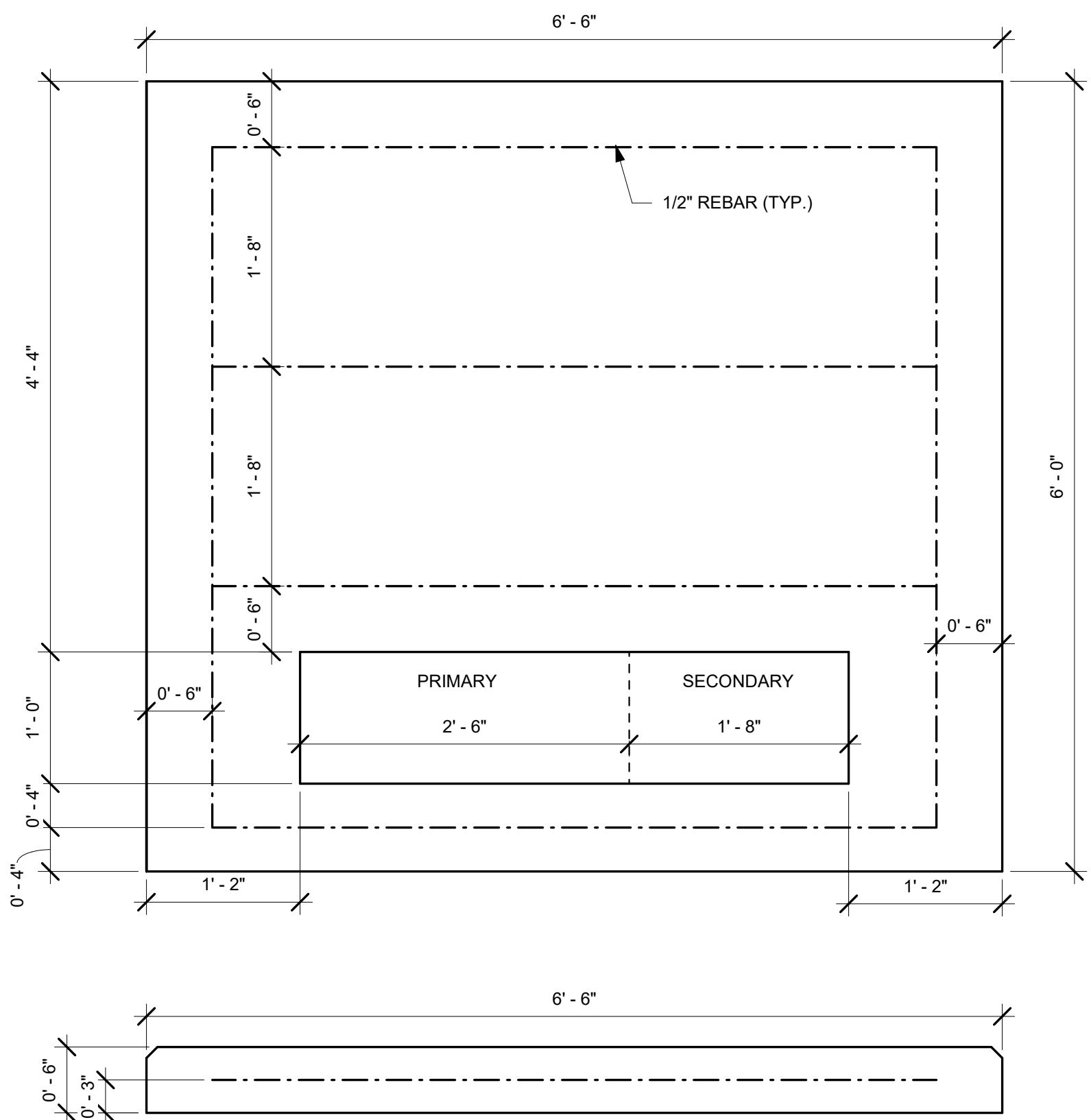
 - OTERO ELECTRIC SHALL REPLACE THE EXISTING UTILITY TRANSFORMER WITH A 7200/12470-277/480Y, 3 PH, 300VA. TRANSFORMER.
 - INSTALL OTERO ELECTRIC APPROVED UTILITY METER, 277/480V.
 - INSTALL AUTOMATIC TRANSFER SWITCH (ATS), 600A, 480V, 3 PH.
 - INSTALL GENERATOR IN MARINE ENCLOSURE, 500KVA, 8PF, 480V, 3 PH, STAND-BY, DIESEL FUELED.
 - INSTALL MAIN DISTRIBUTION PANEL "MDP 480", 600A, 480V, 3 PH, 4 CKT MINIMUM, 600A MAIN W/ (1) 200A BREAKER AND (1) 400A BREAKER AND 2-100A BREAKERS.
 - INSTALL TRANSFORMER "T1", 150KVA, 480Y-120/208Y, 3 PH.
 - INSTALL FUSED DISCONNECT SWITCH, 400A, 208V, 3PH, SOLID NEUTRAL W/400A FUSES.
 - INSTALL EQUIPMENT FOR MAIN LUGS ONLY.
 - INSTALL INSULATED BUSS IN ATS1,ATS2 & ATS3 TO CONNECT LINE AND LOAD CONDUCTORS. REMOVE ENCLOSURE LABELS.
 - REPLACE EXISTIN PANEL 1LB WITH 225A PANEL.
 - 2 - 2" EACH WITH 3 - AND 1# GND.
 - TO BLUE ADMIN AND MAIN.
 - INSTALL 2 - 2 1/2" C. EACH WITH 4 - 250 KCMIL CONDUCTORS AND 1 #3 GROUND FROM 400A BREAKER IN 480V SWBD TO PANEL "AA".
 - ABANDON EXISTING 4 - 3/0 AND 1 #3 GND IN 2" C.
 - CONTRACTOR REFER TO SPECIFICATION 26-0001. FOR FMR CHANGE.
 - CONTRACTOR TO ADD SIGN ON FEEDER CONDUIT ON BLUE ADMIN BUILDING NEXT TO DISCONNECT TO BLUE ADMIN BLDG SERVICE THAT READS "TO DISCONNECT FEED TO PANEL 'M' OPEN 2P BREAKER EM 34. 36 IN ROOM 147." SIGN TO BE RED LETTERS ON WHITE BACKGROUND AND TEXT BLOCK LETTERS 1" HIGH.

A	DRWN BY IG	B	MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 86503 OTERO COUNTY	C	<p>DEPARTMENT OF HEALTH AND HUMAN SERVICES</p> <p>INDIAN HEALTH SERVICE</p> <p>OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING</p> <p>ALBUQUERQUE AREA OFFICE</p> <p>4101 Indian School Road NE Albuquerque, New Mexico 87110</p>		<p>CONSULTANT</p> <p>ROCK GAP</p> <p>ENGINEERS</p>		C	<p>STAMP</p> <p>ROSS H. KRUEGER</p> <p>NEW MEXICO</p> <p>5026</p> <p>1/12/21</p> <p>PROFESSIONAL ENGINEER</p>	m	DATE 07/20/2018	MARK 02	DESCRIPTION AMENDMENT 002	
	CHKD BY AA											SCALE 1" = 1'-0"	DATE 07/20/2018	APPROVED	ARCHITECTURAL
<p>E-11A</p> <p>PROJECT NUMBER 117043</p> <p>SHEET of</p>															

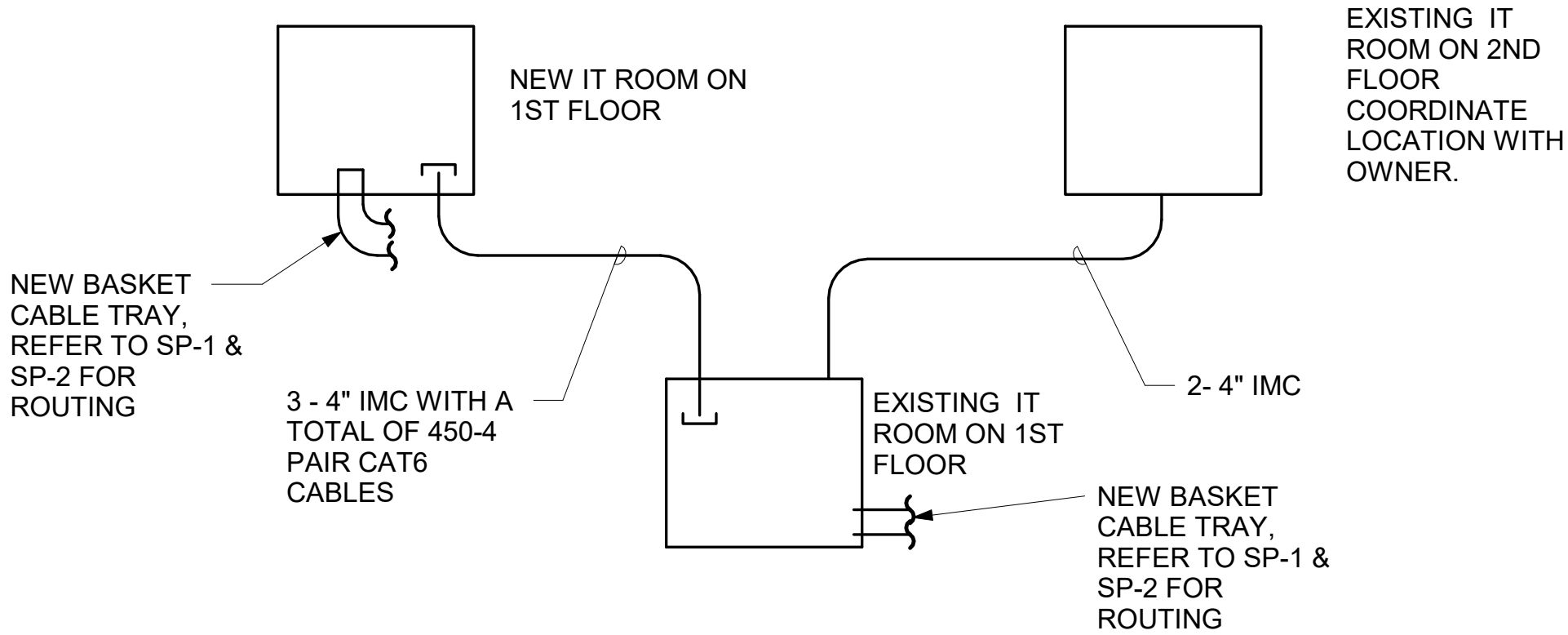


- ## KEYED NOTES

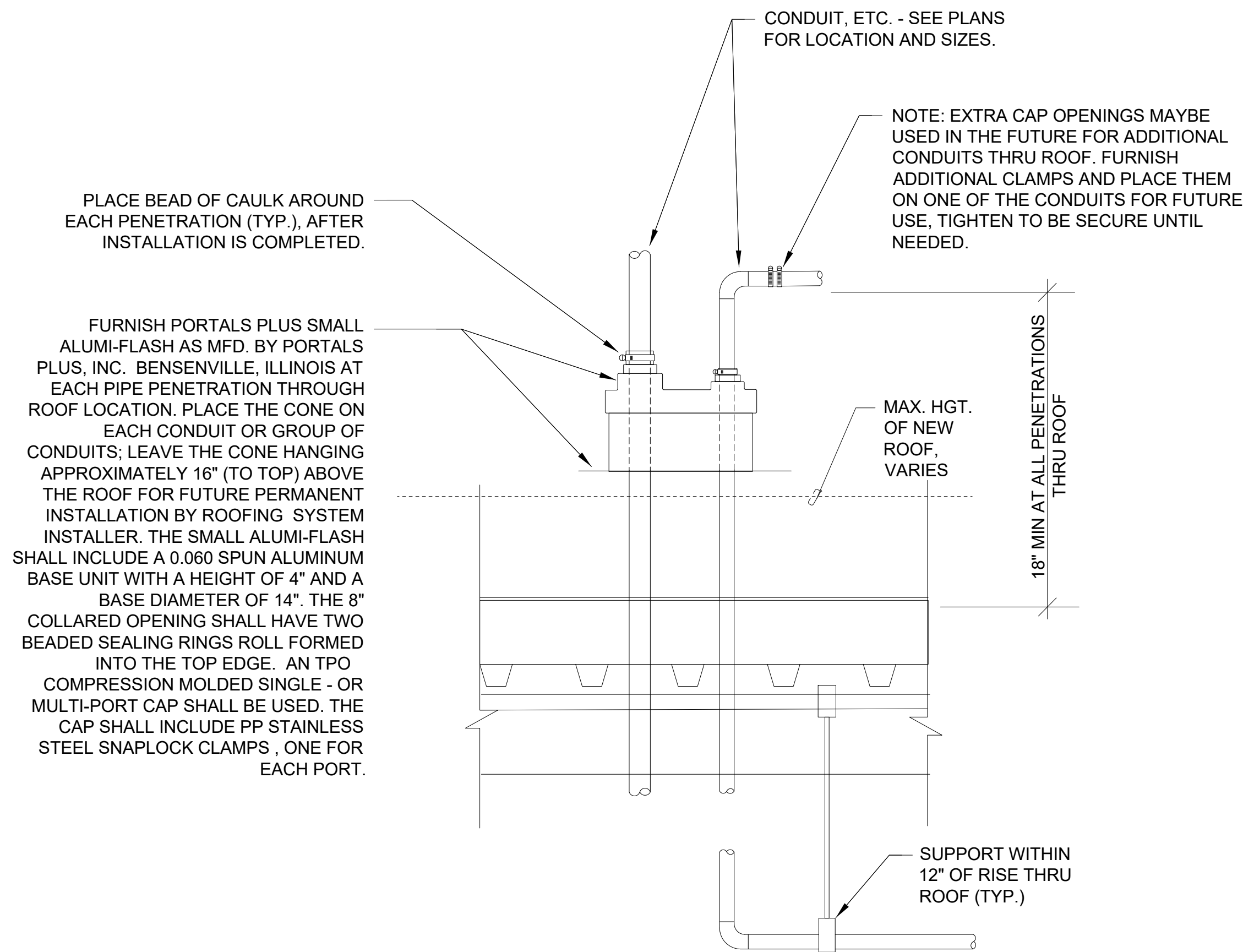
- [illegible]



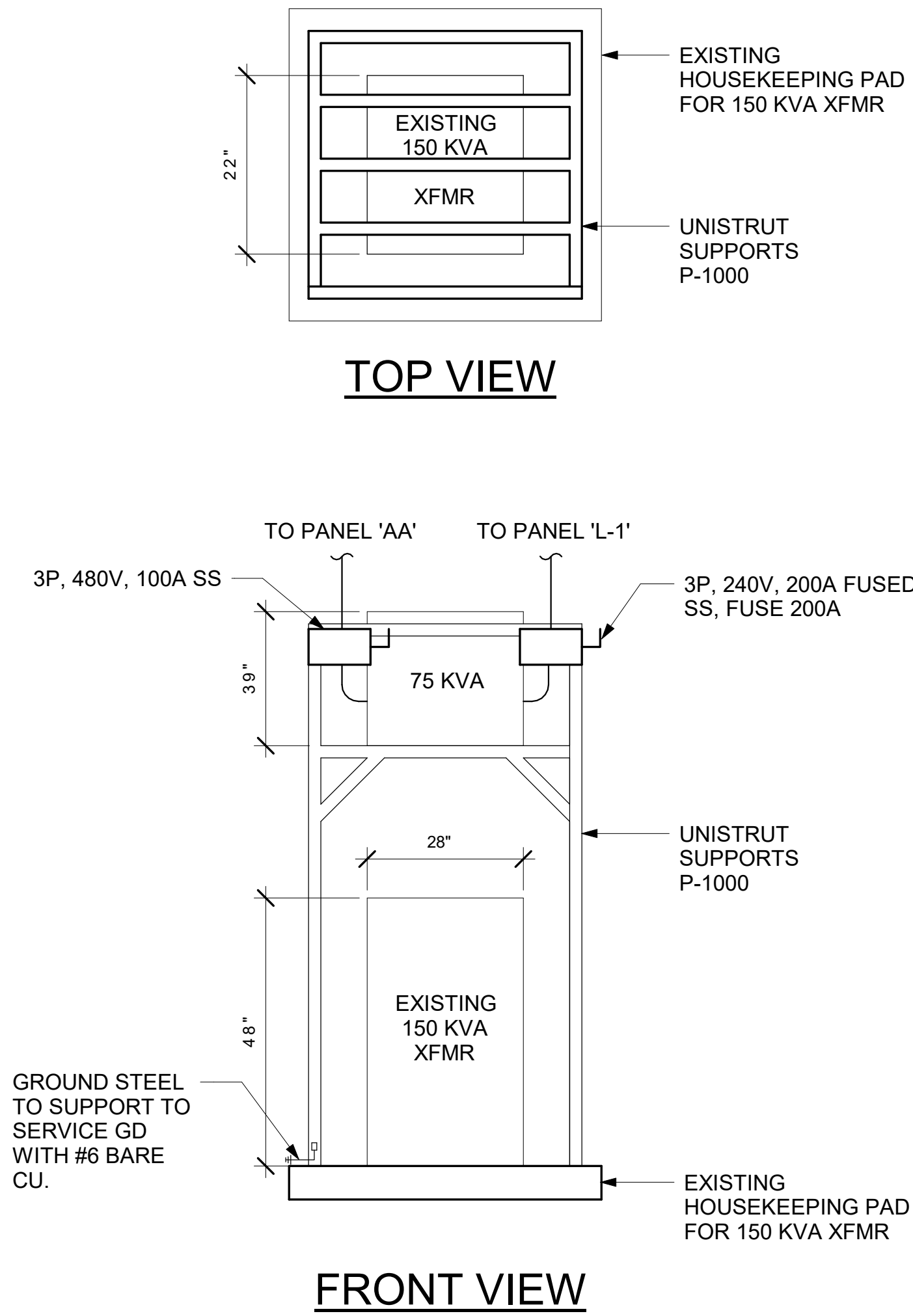
1 UTILITY PAD FOR 300KVA XFMR
NOT TO SCALE



2 BLOCK DIAGRAM
NOT TO SCALE

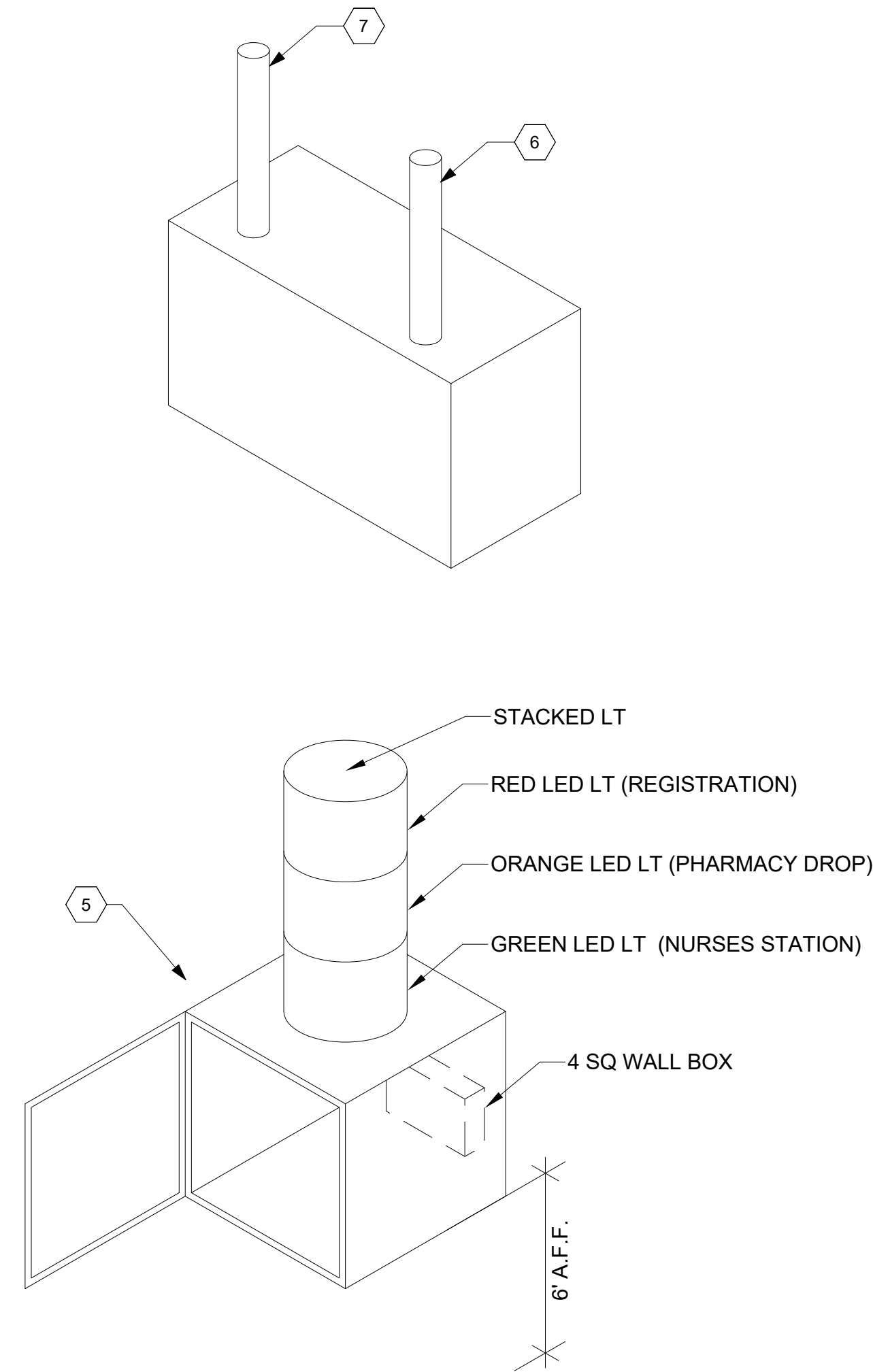


4 CONDUIT PENETRATION THRU ROOF DETAIL
SCALE: NONE

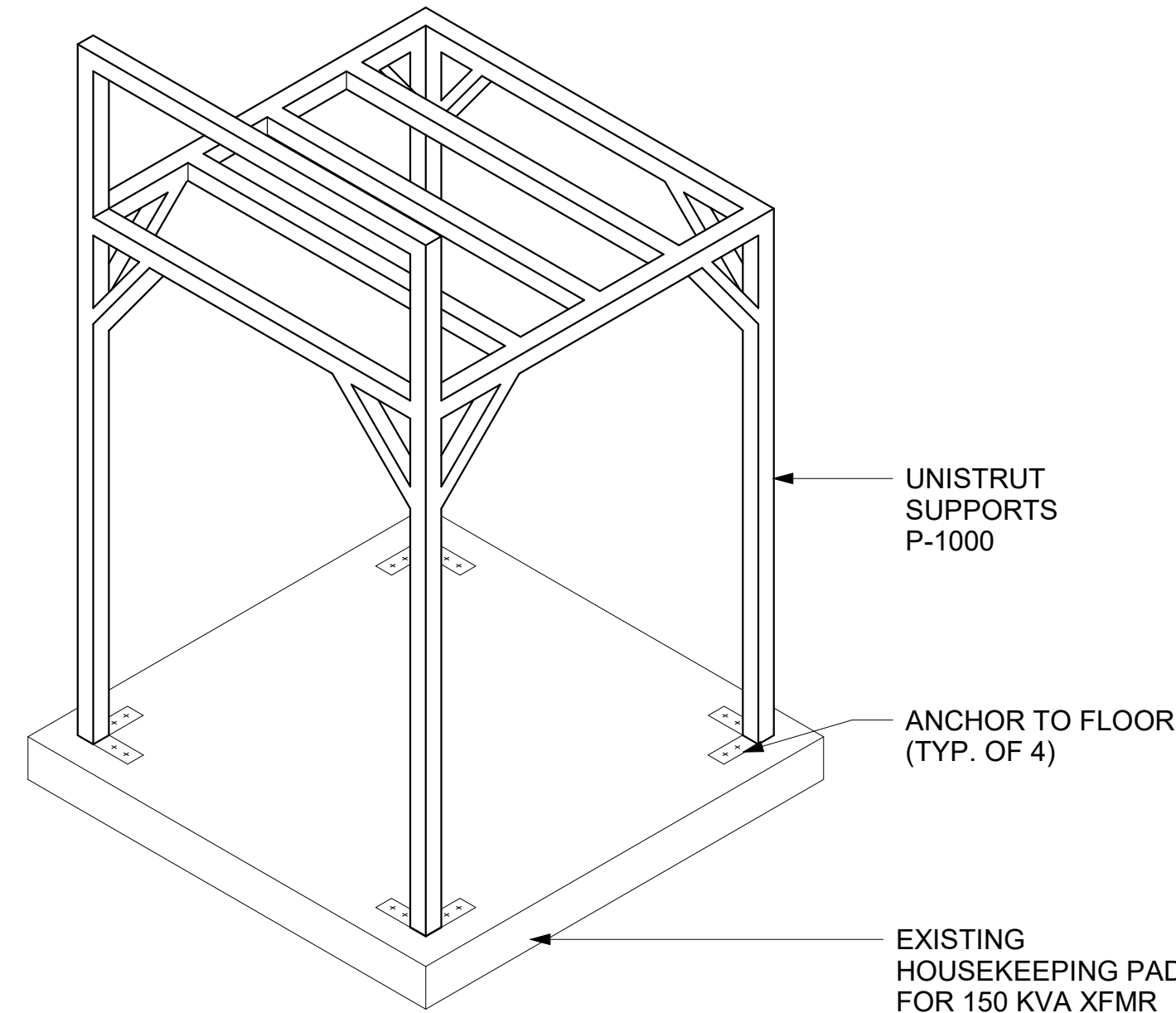


FRONT VIEW

3 UNISTRUT SUPPORT
NOT TO SCALE



5 DURESS BUZZER / LIGHT DIAGRAM / ISOMETRIC
SCALE: NONE



ISOMETRIC VIEW

KEYED NOTES

- FLD WIRING TO NURSES STATION 1/2" C. WITH 3 #12
- FLD WIRING TO PHARMACY DROP OFF 1/2" C. WITH 3 #12
- FLD WIRING TO REGISTRATION 1/2" C. WITH 3 #12
- DURESS BUTTON MAINTAINED CONTACT WITH SHLD TYP.
- 6"x6"x6" METAL ENCLOSURE WITH HINGED DOOR MOUNT 120/24V AC XFMR AND BUZZER INSIDE.
- 3/4" C. WITH 9 #12 TO BOX IN CEILING SPACE. THEN 3 1/2" C. EACH WITH 3 #12 TO REGISTRATION, PHARMACY DROP OFF AND TO NURSES STATION.
- 1/2" C. WITH HOT, NUTRAL, GROUND.

\\gvm-fsenv\users\slisala\G\Documents\20-107 H&S Mesalero MEP_v20_isaimg\MLF.rvt

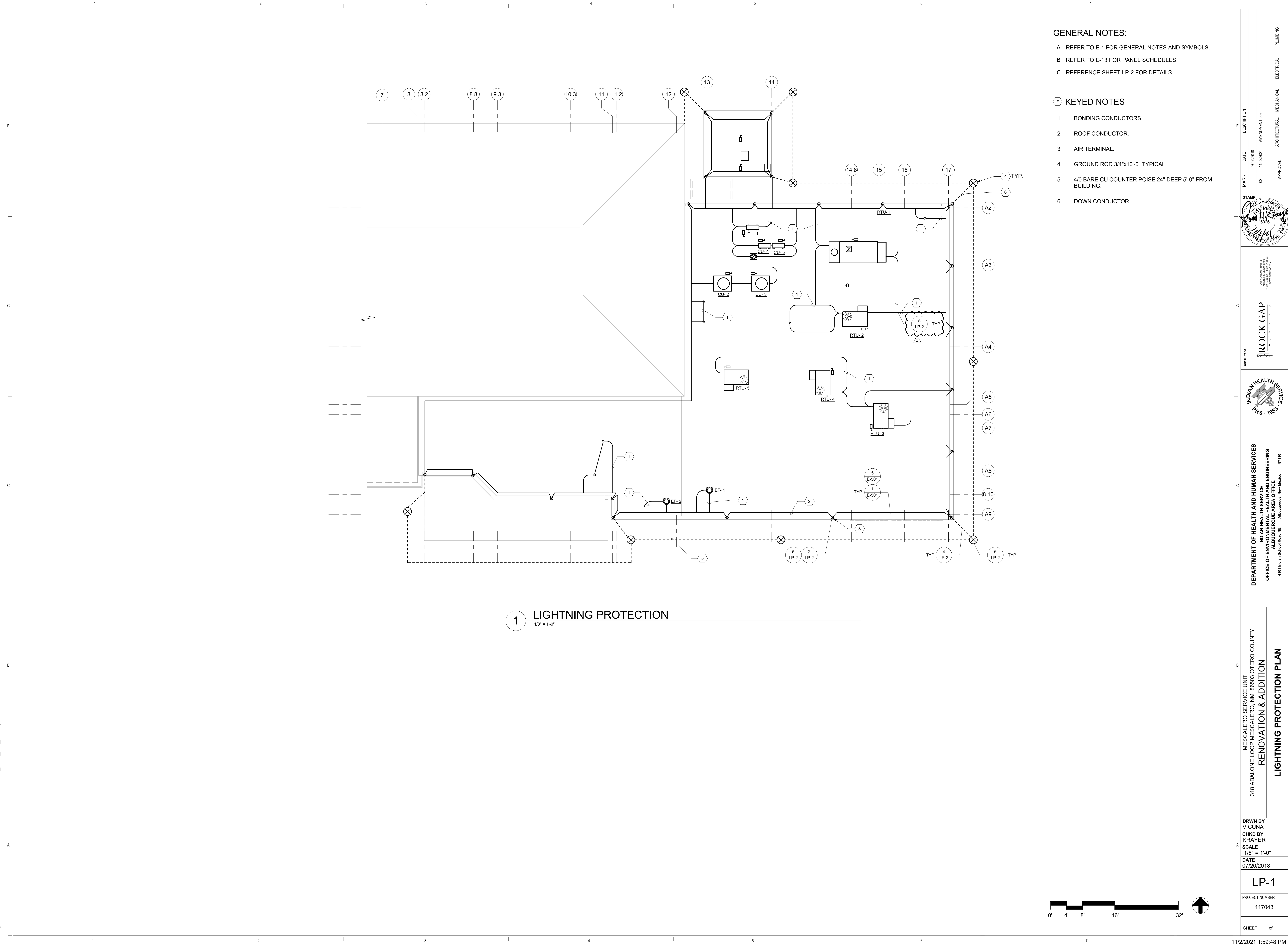
PANEL: "AC"				MAIN C.B.: 225A				LOCATION: ELEC. RM 147				PHASE: 3						
VOLTAGE: 480Y/277V				ENCLOSURE: NEMA 1				FED FROM: PANEL 'AA'				WIRE: 4						
BUS (A): (225A)				MOUNTING: SURFACE				MOUNTING: SURFACE				KAIC: 10 KA						
BREAKER SIZE	NOTES	DESCRIPTION	LOAD (VA)	CKT NO.	PHASE LOAD			CKT NO.	LOAD (VA)	DESCRIPTION	NOTES	BREAKER SIZE						
					A	B	C											
25A/3P		RTU-1 (LAB)	3,658	1	3717			2	59	RTU-2 (EXAM ROOMS)		15A/3P						
			3,658	3		6706		4	3,048									
			3,658	5			6706	6	3,048									
15A/3P		RTU-3 (EXAM ROOMS)	3,048	7	7348			8	4,300	RTU-4 NURSE STATION		15A/3P						
			3,048	9		7348		10	4,300									
			3,048	11			7348	12	4,300									
15A/3P		RTU-5 (WAITING ROOM)	3,325	13	4323			14	998	EUH-1		20A/3P						
			3,325	15		4323		16	998									
			3,325	17			4323	18	998									
15A/3P		CU-2	388	19	1388			20	1,000	CU-3		15A/3P						
			388	21		1388		22	1,000									
			388	23			1388	24	1,000									
50A/3P		30 KVA XFMR (SERVING PANEL 1LD)	7,915	25	7915			26	0	SPARE		20A/1P						
			3,760	27		3760		28	0	SPARE		20A/1P						
			3,911	29			3911	30	0	SPARE		20A/1P						
		SPACE	0	31				32	0	SPACE								
		SPACE	0	33				34	0	SPACE								
		SPACE	0	35				36	0	SPACE								
		SPACE	0	37				38	0	SPACE								
		SPACE	0	39				40	0	SPACE								
		SPACE	0	41				42	0	SPACE								
TOTAL CONNECT VA													TOTAL CONNECTED AMPS: 86.5			NOTES:		
PHASE A: 24,692													TOTAL CONNECTED KVA: 71.9			1) PROVIDE NEUTRAL BAR & GROUND BAR		
PHASE B: 23,526																2) PROVIDE C.B. "LOCK-ON" DEVICE		
PHASE C: 23,677																3) DOOR-IN-DOOR TRIM, 42 TOTAL POSITIONS		
TOTAL = 71,894																		

PANEL: "L1"				MAIN C.B. : (200A) SHUNT TRIP				LOCATION: IT ROOM (RM-1181)				PHASE: 3			
VOLTAGE: 208Y/120V				ENCLOSURE: NEMA 1				FED FROM: PANEL AA				WIRE: 4			
BUS (A): (225A)				MOUNTING: SURFACE				THRU 75 KVA XFMR				KAIC: 10			
BREAKER SIZE	NOTES	DESCRIPTION	LOAD (VA)	CKT NO.	PHASE LOAD			CKT NO.	LOAD (VA)	DESCRIPTION	NOTES	BREAKER SIZE			
					A	B	C								
20A/1P		RM - 1181 SECURITY ACCESS RACK	180	1	360			2	180	RM - 1181 PHONE RACK		20A/1P			
20A/1P		RM - 1181 NETWORK RACK	180	3		2,180		4	2,000	RM - 1181 SERVER CABINET #1		20A/1P			
30A/1P		RM - 1181 SERVER CABINET #2	2,000	5			4,000	6	2,000	RM - 1181 SERVER CABINET #3		30A/1P			
20A/1P		RM - 1181 WORK TAB	180	7	360			8	180	RM - 1181 WORK TABLE		20A/1P			
20A/1P		RM - 1181 NORTH WALL	180	9		360		10	180	RM - 1181 NORTH WALL		20A/1P			
20A/1P		RM - 1181 WEST WALL	180	11			360	12	180	RM - 1181 WEST WALL		20A/1P			
20A/1P		RM - 1181 WEST WALL	180	13	360			14	180	RM - 1181 NORTH WALL		30A/1P			
20A/1P		RECEPTS RM1182 WEST WALL	900	15		1,980		16	1,080	RECEPTS RM1182 EAST WALL		20A/1P			
20A/1P		RECEPTS RM 1183	720	17			1,440	18	720	RECEPTS RM1183		20A/1P			
40A/1P		LTG IT (1181,1182,1183)	875	19	5,875			20	5,000			50A/2P			
			3,328	21		8,328		22	5,000						
40A/2P		RACK 1 UPS	3,328	23			9,984	24	6,656	RACK 3 UPS		80/2P			
			3,328	25		9,984		26	6,656						
40A/2P		RACK 2 UPS	3,328	27		3,328		28		SPARE		20A/1P			
20A/1P		BACK BD IT RM		29			0	30		SPARE		20A/1P			
20A/1P		SPARE		31	0			32		SPARE		20A/1P			
20A/1P		SPARE		33		0		34		SPARE		20A/1P			
20A/1P		SPARE		35			0	36		SPARE		20A/1P			
20A/1P		SPARE		37	0			38		SPARE		20A/1P			
20A/1P		SPARE		39		0		40		SPARE		20A/1P			
20A/1P		SPARE		41			0	42		SPARE		20A/1P			
TOTAL CONNECT VA			TOTAL CONNECTED AMPS:			135.7			NOTES:						
PHASE A: 16,939			TOTAL CONNECTED KVA:			48.9			1) PROVIDE NEUTRAL BAR & GROUND BAR						
PHASE B: 16,176									2) PROVIDE C.B. "LOCK-ON" DEVICE						
PHASE C: 15,784									3) DOOR-IN-DOOR TRIM, 42 TOTAL POSITIONS						
TOTAL = 48,899															

PANEL: AB (EXISTING)				MAIN C.B.: MLO				LOCATION: PENTHOUSE				PHASE: 3				
VOLTAGE: 208Y/120V				ENCLOSURE: NEMA 1				FED FROM: PANEL AA				WIRE: 4				
BUS (A): 125A				MOUNTING: SURFACE								KAIC: 10				
BREAKER SIZE	NOTES	DESCRIPTION	LOAD (VA)	CKT NO.	PHASE LOAD			CKT NO.	LOAD (VA)	DESCRIPTION	NOTES	BREAKER SIZE				
					A	B	C									
20A/3P		M45	942	1	2,272			2	1,330	M46			20A/3P			
	942				2,272		1,330									
	942				2,272		1,330									
20A/3P		M50	3,047	3	3,629			4	582	M47			20A/3P			
	3,047				3,629		582									
	3,047				3,629		582									
40A/3P		M44	942	5	3,047			6	2,105	M48			20A/3P			
	942				3,047		2,105									
	942				3,047		2,105									
40A/3P		M31	942	7	3,047			8	2,105	M52			40A/3P			
	942				3,047		2,105									
	942				3,047		2,105									
		SPACE			3,878				3,878	M54			45A/3P			
		SPACE			3,878				3,878							
		SPACE				3,878										
		SPACE			0						SPACE					
		SPACE				0					SPACE					
		SPACE					0				SPACE					
		SPACE						0			SPACE					
TOTAL CONNECT VA			TOTAL CONNECTED AMPS:			57.3			NOTES:							
PHASE A: 15,873			TOTAL CONNECTED KVA:			47.6			1) PROVIDE NEUTRAL BAR & GROUND BAR							
PHASE B: 15,873									2) PROVIDE C.B. "BOLT-ON" DEVICE							
PHASE C: 15,873									3) DOOR-IN-DOOR TRIM, 42 TOTAL POSITIONS							
TOTAL = 47,619																

PANEL: "1LC"				MAIN C.B.: (225A)				LOCATION: RM1166 (W WALL)				PHASE: 3			
VOLTAGE: 208Y/120V				ENCLOSURE: NEMA 1				FED FROM: AA THRU 75 KVA				WIRE: 4			
BUS (A): (225A)				MOUNTING: SURFACE				MOUNTING: SURFACE				KAIC: 10			
BREAKER SIZE	NOTES	DESCRIPTION	LOAD (VA)	CKT NO.	PHASE LOAD			CKT NO.	LOAD (VA)	DESCRIPTION	NOTES	BREAKER SIZE			
					A	B	C								
20A/1P		RECEPTS RM1137, 1139, 1110	1440	1	2160			2	720	RECEPTS RM1136		5	20A/1P		
20A/1P	5	RECEPTS RM1132	1280	3		2520		4	1280	RECEPTS RMS 1110, 1128		5	20A/1P		
20A/1P	5	RECEPTS RM1126	1440	5			2700	6	1280	RECEPTS RM1122		5	20A/1P		
20A/1P		RECEPTS RM1146, EX. CORR.	1080	7	2520			8	1440	RECEPTS RM1110, 1118			20A/1P		
20A/1P		RECEPTS RM1116	1280	9			1280	10	0	SPARE			20A/1P		
20A/1P		RECEPTS RM1100, 1101A, 1103	1800	11				2340	12	540	RECEPTS RM1101, 1102, 1111		20A/1P		
20A/1P		RECEPTS RM1106, 1110, 1113, 1115	1800	13	2840			14	1040	RM 1160			20A/1P		
20A/1P	180	RM 1105	180	15		1260		16	1030	REPTS RM1122, 1162, 1163			20A/1P		
20A/1P		RMS - 1103, 1160	180	17			540	18	380	RECEPTS RM1167, EX. CORR			20A/1P		
20A/1P		RMS - 1164, 1166, EX. CORR.	720	19	1548			20	823	LTG NO 53 OF NEW AREA			20A/1P		
20A/1P		LTG EAST 10 OF NEW AREA	1176	21		2378		22	1202	LTG 50 CTRL. OF NEW AREA			20A/1P		
20A/1P		RECEPTS RM1151	1080	23			1800	24	720	RECEPTS RM1120		5	20A/1P		
20A/1P		RECEPTS RM1124	1440	25	2700			26	1280	RECEPTS RM1130		5	20A/1P		
20A/1P	5	RECEPTS RM1134	1280	27		1980		28	720	RECEPTS RM1160			20A/1P		
20A/1P		RECEPTS RM1108, 1107, 1147	800	29			1980	30	1080	RECEPTS RM1140			20A/1P		
20A/1P		RECEPTS RM1140, 1150	800	31	1620			32	720	RECEPTS RM1144			20A/1P		
20A/1P		RECEPTS RM1140, 1155	1080	33		2340		34	1280	RECEPTS RM1144			20A/1P		
20A/1P		RECEPTS RM1142	1080	35			1185	36	105	SYSTEMX ANALYZER RM-1164	4		20A/2P		
20A/1P		PH-1 PHARMACY HOOD -1	126	37	231			38	105				20A/1P		
20A/1P		SPARE		39				40					20A/1P		
20A/1P		SPARE		41				42					20A/1P		
TOTAL CONNECT VA			TOTAL CONNECTED AMPS:			99.7			NOTES:						
PHASE A: 13,617			TOTAL CONNECTED KVA:			35.9			1) PROVIDE NEUTRAL BAR & GROUND BAR						
PHASE B: 11,738								2) PROVIDE C.B. "LOCK-ON" DEVICE							
PHASE C: 10,545								3) DOOR-IN/DOOR TRIM, 42 TOTAL POSITIONS							
TOTAL = 35,900								4) REPLACE 2-1P/20A BREAKERS WITH A 2P/20A BREAKER							
								5) MONITOR DIAGNOSTIC SET & PUMP INFUSION							

\\ngm-fserver\users\isaiah\Documents\20-107 IHS Mescalero_MEP_v20_isaiag\MLF.rvt

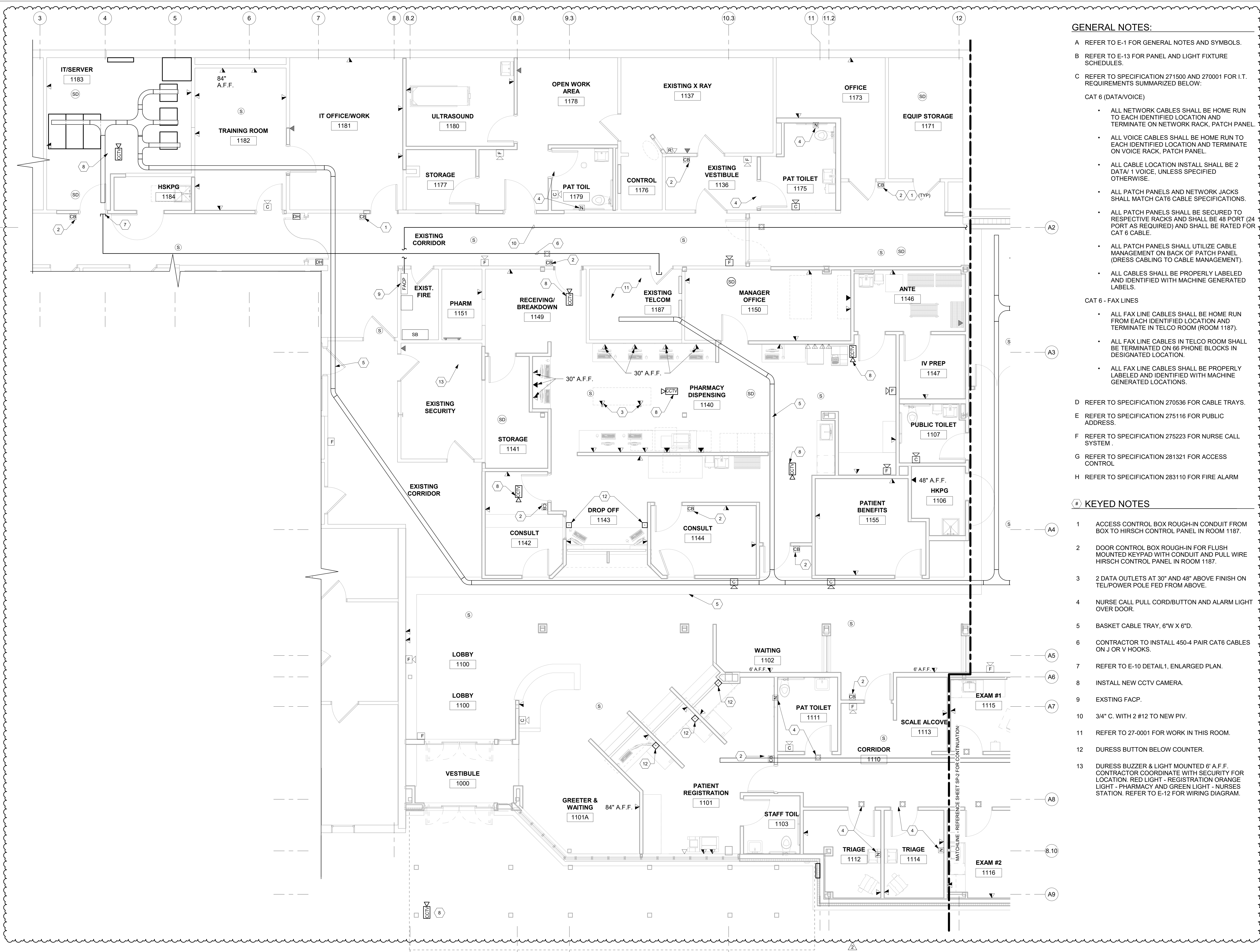


- GENERAL NOTES:**
- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
 - B REFER TO E-13 FOR PANEL SCHEDULES.
 - C REFERENCE SHEET LP-2 FOR DETAILS.

- # KEYED NOTES**
- 1 BONDING CONDUCTORS.
 - 2 ROOF CONDUCTOR.
 - 3 AIR TERMINAL.
 - 4 GROUND ROD 3/4"x10'-0" TYPICAL.
 - 5 4/0 BARE CU COUNTER POISE 24" DEEP 5'-0" FROM BUILDING.
 - 6 DOWN CONDUCTOR.

MARK	DATE	DESCRIPTION	APPROVED	ARCHITECTURAL	ELECTRICAL	PLUMBING
02	07/20/2018	AMENDMENT 002				
STAMP ROSS H. KRAYER REGISTERED PROFESSIONAL ENGINEER NO. 5026 STATE OF NEW MEXICO 11/2/2018						
CONSULTANT ROCK GAP ARCHITECTS P.C. 4101 Indian School Road NE Albuquerque, New Mexico 87110						
INDIAN HEALTH SERVICE 5501 S.W. 11th St. Albuquerque, New Mexico 87110						
DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110						
MESCALERO SERVICE UNIT 318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY RENOVATION & ADDITION LIGHTNING PROTECTION PLAN						
DRWN BY VICUNA						
CHKD BY KRAYER						
SCALE 1/8" = 1'-0"						
DATE 07/20/2018						
LP-1						
PROJECT NUMBER 117043						
SHEET of						

\\gdm-fs-server\users\lisaiah\Documents\20-107 IHS Mesalero MEP_v20_lisaiah\MLF.rvt



GENERAL NOTES:

- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
- B REFER TO E-13 FOR PANEL AND LIGHT FIXTURE SCHEDULES.
- C REFER TO SPECIFICATION 271500 AND 270001 FOR I.T. REQUIREMENTS SUMMARIZED BELOW:
- CAT 6 (DATA/VOICE)
- ALL NETWORK CABLES SHALL BE HOME RUN TO EACH IDENTIFIED LOCATION AND TERMINATE ON NETWORK RACK, PATCH PANEL.
 - ALL VOICE CABLES SHALL BE HOME RUN TO EACH IDENTIFIED LOCATION AND TERMINATE ON VOICE RACK, PATCH PANEL.
 - ALL CABLE LOCATION INSTALL SHALL BE 2 DATA/ 1 VOICE, UNLESS SPECIFIED OTHERWISE.
 - ALL PATCH PANELS AND NETWORK JACKS SHALL MATCH CAT6 CABLE SPECIFICATIONS.
 - ALL PATCH PANELS SHALL BE SECURED TO RESPECTIVE RACKS AND SHALL BE 48 PORT (24 PORT AS REQUIRED) AND SHALL BE RATED FOR CAT 6 CABLE.
 - ALL PATCH PANELS SHALL UTILIZE CABLE MANAGEMENT ON BACK OF PATCH PANEL (DRESS CABLING TO CABLE MANAGEMENT).
 - ALL CABLES SHALL BE PROPERLY LABELED AND IDENTIFIED WITH MACHINE GENERATED LABELS.
- CAT 6 - FAX LINES
- ALL FAX LINE CABLES SHALL BE HOME RUN FROM EACH IDENTIFIED LOCATION AND TERMINATE IN TELCO ROOM (ROOM 1187).
 - ALL FAX LINE CABLES IN TELCO ROOM SHALL BE TERMINATED ON 66 PHONE BLOCKS IN DESIGNATED LOCATION.
 - ALL FAX LINE CABLES SHALL BE PROPERLY LABELED AND IDENTIFIED WITH MACHINE GENERATED LOCATIONS.
- D REFER TO SPECIFICATION 270536 FOR CABLE TRAYS.
- E REFER TO SPECIFICATION 275116 FOR PUBLIC ADDRESS.
- F REFER TO SPECIFICATION 275223 FOR NURSE CALL SYSTEM .
- G REFER TO SPECIFICATION 281321 FOR ACCESS CONTROL
- H REFER TO SPECIFICATION 283110 FOR FIRE ALARM

KEYED NOTES

- 1 ACCESS CONTROL BOX ROUGH-IN CONDUIT FROM BOX TO HIRSCH CONTROL PANEL IN ROOM 1187.
- 2 DOOR CONTROL BOX ROUGH-IN FOR FLUSH MOUNTED KEYPAD WITH CONDUIT AND PULL WIRE HIRSCH CONTROL PANEL IN ROOM 1187.
- 3 2 DATA OUTLETS AT 30" AND 48" ABOVE FINISH ON TEL/POWER POLE FED FROM ABOVE.
- 4 NURSE CALL PULL CORD/BUTTON AND ALARM LIGHT OVER DOOR.
- 5 BASKET CABLE TRAY, 6"W X 6"D.
- 6 CONTRACTOR TO INSTALL 450-4 PAIR CAT6 CABLES ON J OR V HOOKS.
- 7 REFER TO E-10 DETAIL1, ENLARGED PLAN.
- 8 INSTALL NEW CCTV CAMERA.
- 9 EXSTING FACP.
- 10 3/4" C. WITH 2 #12 TO NEW PIV.
- 11 REFER TO 27-0001 FOR WORK IN THIS ROOM.
- 12 DURESS BUTTON BELOW COUNTER.
- 13 DURESS BUZZER & LIGHT MOUNTED 6' A.F.F. CONTRACTOR COORDINATE WITH SECURITY FOR LOCATION. RED LIGHT - REGISTRATION ORANGE LIGHT - PHARMACY AND GREEN LIGHT - NURSES STATION. REFER TO E-12 FOR WIRING DIAGRAM.

1 SPECIAL SYSTEMS PLAN - SECTION 1

1/4" = 1'-0"



Mescalero Service Unit 318 Abalone Loop Mescalero, NM 86603 OTERO COUNTY RENOVATION & ADDITION SPECIAL SYSTEMS PLAN - SECTION 1		CONSULTANT INDIAN HEALTH SERVICE INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110		STAMP JESS H. KRAVER NEW MEXICO 5026 10/2/21 JESS H. KRAVER NEW MEXICO 5026 www.southern.com		APPROVED		ARCHITECTURAL		MECHANICAL		ELECTRICAL		PLUMBING	
DRAWN BY VICUNA		CHKD BY KRAYER		SCALE 1/4" = 1'-0"		DATE 07/20/2018		PROJECT NUMBER 117043		SHEET of		SP-1			

\\ngm-fserver\users\lisaiah\Documents\20-107 IHS Mesalero MEP_v20_lisaiah\MLF.rvt

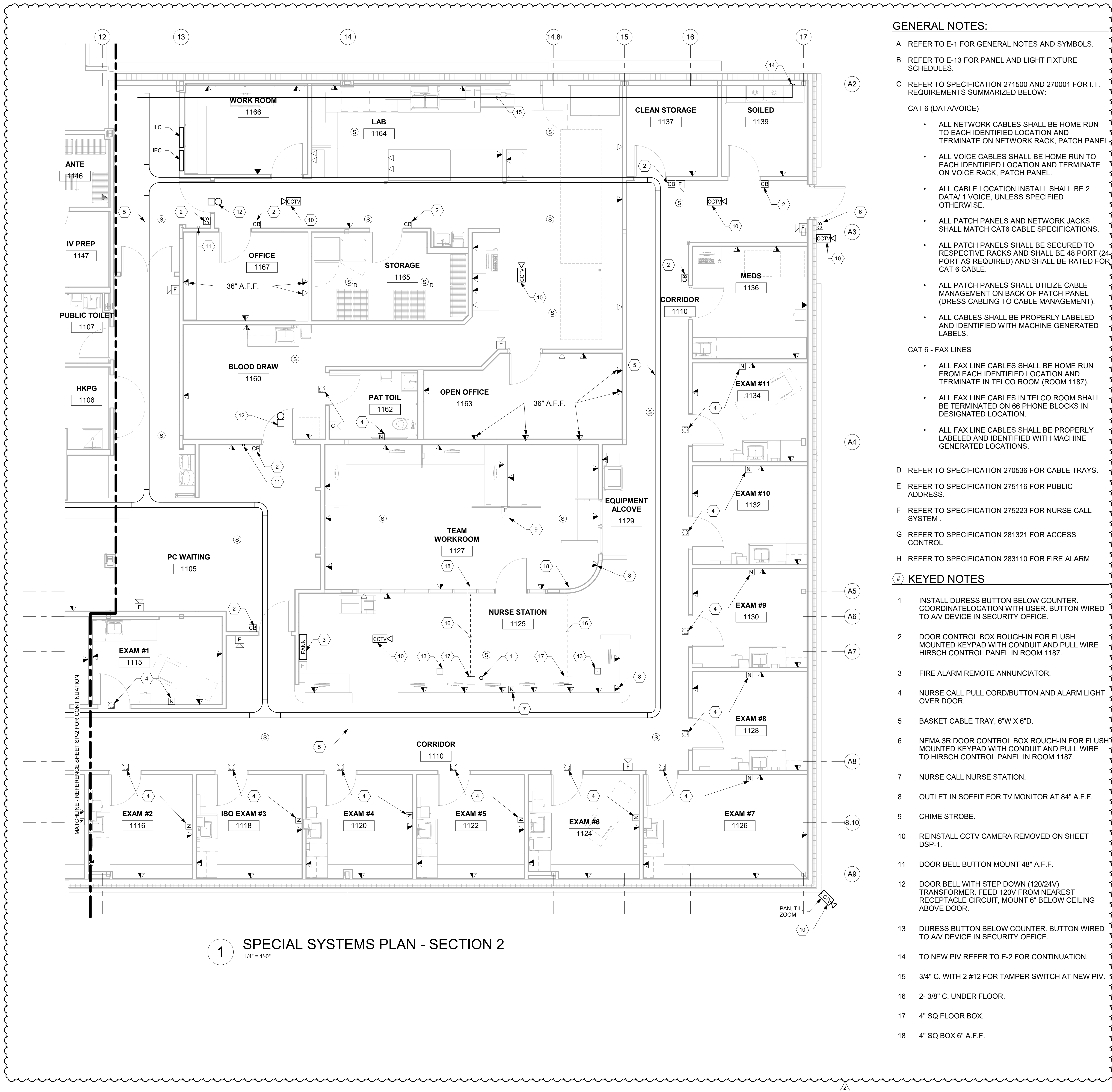
E

C

C

B

A



GENERAL NOTES:

- A REFER TO E-1 FOR GENERAL NOTES AND SYMBOLS.
- B REFER TO E-13 FOR PANEL AND LIGHT FIXTURE SCHEDULES.
- C REFER TO SPECIFICATION 271500 AND 270001 FOR I.T. REQUIREMENTS SUMMARIZED BELOW:

CAT 6 (DATA/VOICE)

- ALL NETWORK CABLES SHALL BE HOME RUN TO EACH IDENTIFIED LOCATION AND TERMINATE ON NETWORK RACK, PATCH PANEL.
- ALL VOICE CABLES SHALL BE HOME RUN TO EACH IDENTIFIED LOCATION AND TERMINATE ON VOICE RACK, PATCH PANEL.
- ALL CABLE LOCATION INSTALL SHALL BE 2 DATA/ 1 VOICE, UNLESS SPECIFIED OTHERWISE.
- ALL PATCH PANELS AND NETWORK JACKS SHALL MATCH CAT6 CABLE SPECIFICATIONS.
- ALL PATCH PANELS SHALL BE SECURED TO RESPECTIVE RACKS AND SHALL BE 48 PORT (24 PORT AS REQUIRED) AND SHALL BE RATED FOR CAT 6 CABLE.
- ALL PATCH PANELS SHALL UTILIZE CABLE MANAGEMENT ON BACK OF PATCH PANEL (DRESS CABLING TO CABLE MANAGEMENT).
- ALL CABLES SHALL BE PROPERLY LABELED AND IDENTIFIED WITH MACHINE GENERATED LABELS.

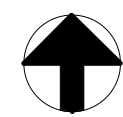
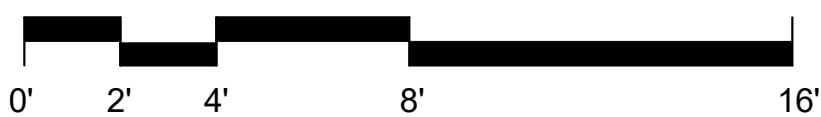
CAT 6 - FAX LINES

- ALL FAX LINE CABLES SHALL BE HOME RUN FROM EACH IDENTIFIED LOCATION AND TERMINATE IN TELCO ROOM (ROOM 1187).
- ALL FAX LINE CABLES IN TELCO ROOM SHALL BE TERMINATED ON 66 PHONE BLOCKS IN DESIGNATED LOCATION.
- ALL FAX LINE CABLES SHALL BE PROPERLY LABELED AND IDENTIFIED WITH MACHINE GENERATED LOCATIONS.

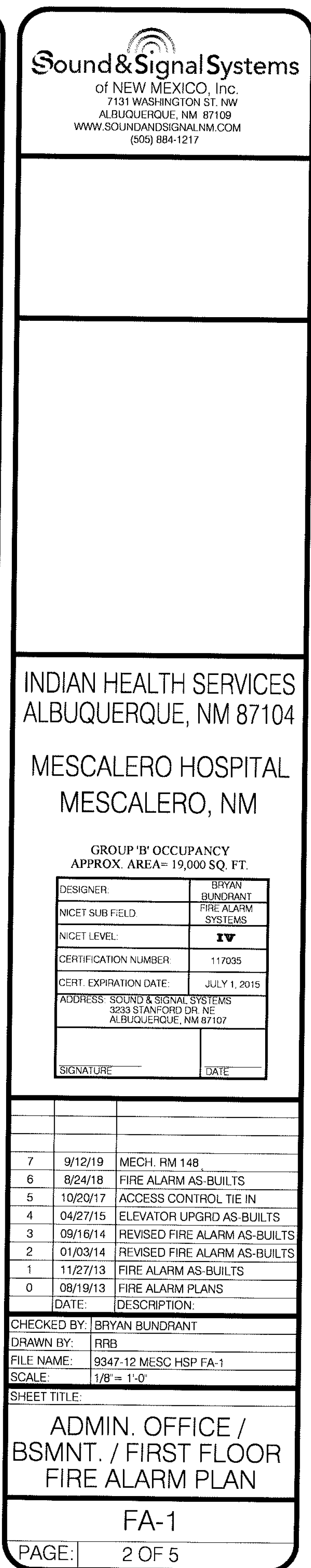
- D REFER TO SPECIFICATION 270536 FOR CABLE TRAYS.
- E REFER TO SPECIFICATION 275116 FOR PUBLIC ADDRESS.
- F REFER TO SPECIFICATION 275223 FOR NURSE CALL SYSTEM .
- G REFER TO SPECIFICATION 281321 FOR ACCESS CONTROL
- H REFER TO SPECIFICATION 283110 FOR FIRE ALARM

KEYED NOTES

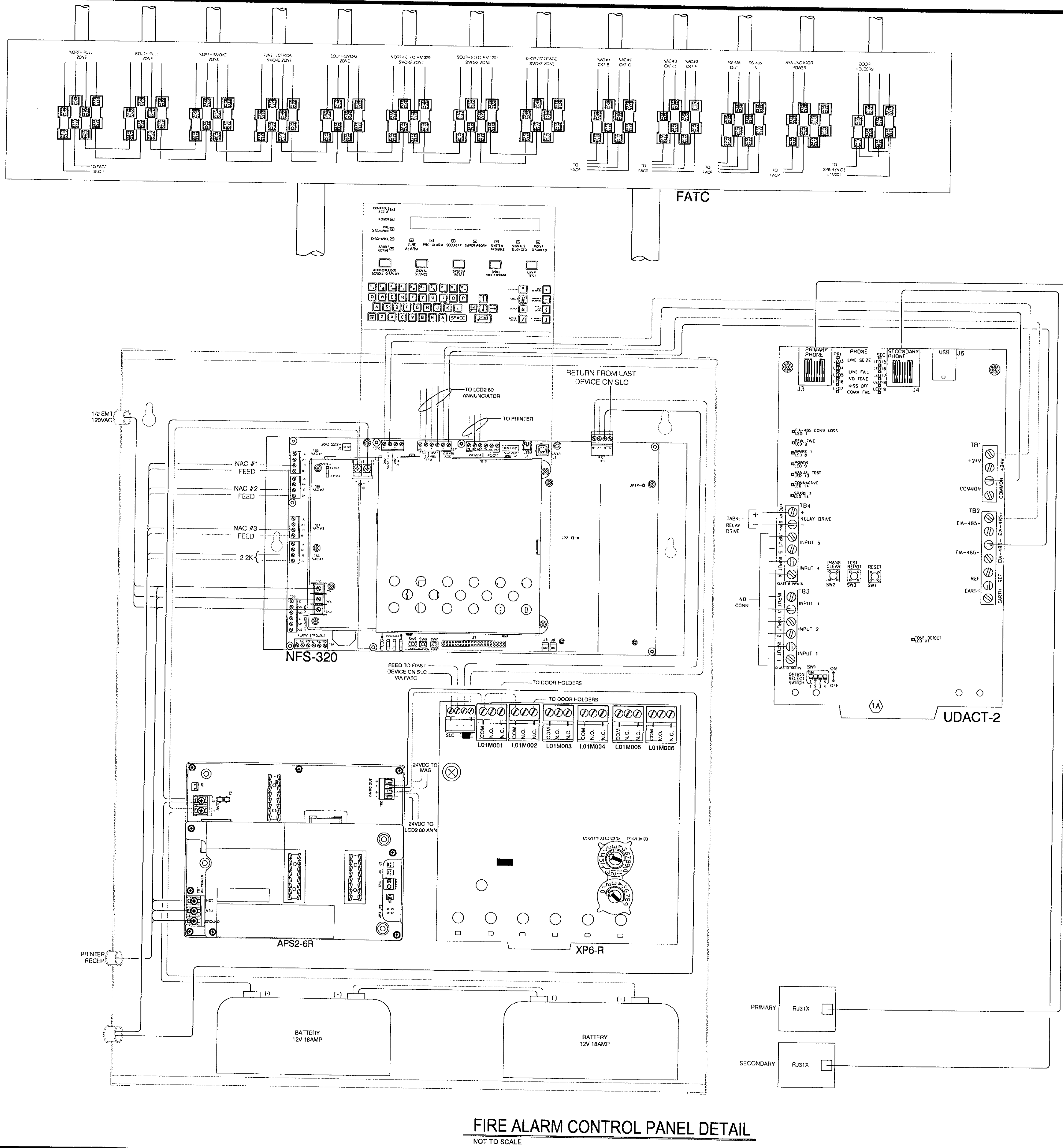
- INSTALL DURESS BUTTON BELOW COUNTER. COORDINATE LOCATION WITH USER. BUTTON WIRED TO AV DEVICE IN SECURITY OFFICE.
- DOOR CONTROL BOX ROUGH-IN FOR FLUSH MOUNTED KEYPAD WITH CONDUIT AND PULL WIRE HIRSCH CONTROL PANEL IN ROOM 1187.
- FIRE ALARM REMOTE ANNUNCIATOR.
- NURSE CALL PULL CORD/BUTTON AND ALARM LIGHT OVER DOOR.
- BASKET CABLE TRAY, 6"W X 6"D.
- NEMA 3R DOOR CONTROL BOX ROUGH-IN FOR FLUSH MOUNTED KEYPAD WITH CONDUIT AND PULL WIRE TO HIRSCH CONTROL PANEL IN ROOM 1187.
- NURSE CALL NURSE STATION.
- OUTLET IN SOFFIT FOR TV MONITOR AT 84" A.F.F.
- CHIME STROBE.
- REINSTALL CCTV CAMERA REMOVED ON SHEET DSP-1.
- DOOR BELL BUTTON MOUNT 48" A.F.F.
- DOOR BELL WITH STEP DOWN (120/24V) TRANSFORMER. FEED 120V FROM NEAREST RECEPTACLE CIRCUIT, MOUNT 6" BELOW CEILING ABOVE DOOR.
- DURESS BUTTON BELOW COUNTER. BUTTON WIRED TO AV DEVICE IN SECURITY OFFICE.
- TO NEW PIV REFER TO E-2 FOR CONTINUATION.
- 3/4" C. WITH 2 #12 FOR TAMPER SWITCH AT NEW PIV.
- 2- 3/8" C. UNDER FLOOR.
- 4" SQ FLOOR BOX.
- 4" SQ BOX 6" A.F.F.



SHEET		of	
PROJECT NUMBER		117043	
SP-2			
DATE		07/20/2018	
SCALE		1/4" = 1'-0"	
CHKD BY		KRAYER	
DRWN BY		VICUNA	
Mescalero Service Unit		318 ABALONE LOOP MESCALERO, NM 88603 OTERO COUNTY	
RENOVATION & ADDITION		SPECIAL SYSTEMS PLAN - SECTION 2	
CONSULTANT		INDIAN HEALTH SERVICE FHS - 1955	
CONSULTANT		DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING ALBUQUERQUE AREA OFFICE 4101 Indian School Road NE Albuquerque, New Mexico 87110	
CONSULTANT		ROCK GAP CONSULTANTS 4000 ACADENIA BLVD SE ALBUQUERQUE, NEW MEXICO 87105 WWW.ROCKGAP.COM	
STAMP		APPROVED	
MARK		DATE	
01		07/20/2018	
02		11/02/2021	
AMENDMENT-001		AMENDMENT-002	
ARCHITECTURAL		MECHANICAL	
ELECTRICAL		PLUMBING	



\\gym-fserver\users\isaiah\Documents\20-107 IHS Mescalero_MEP_v20_isaiah\MLF.rvt



FIRE ALARM CONTROL PANEL DETAIL
NOT TO SCALE

FOR INFORMATION ONLY

Sound & Signal Systems
of NEW MEXICO, Inc.
7131 WASHINGTON ST. NW
ALBUQUERQUE, NM 87109
WWW.SOUNDANDSIGNALNM.COM
(505) 884-1217

INDIAN HEALTH SERVICES
ALBUQUERQUE, NM 87104
MESCALERO HOSPITAL
MESCALERO, NM

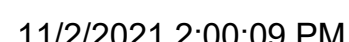
NO.	DATE	DESCRIPTION
6	8/24/18	FIRE ALARM AS-BUILTS
5	10/20/17	ACCESS CONTROL TIE IN
4	04/27/15	ELEVATOR UPGRADE - AS-BUILTS
3	09/16/14	REVISED FIRE ALARM AS-BUILTS
2	01/03/14	REVISED FIRE ALARM AS-BUILTS
1	11/27/13	FIRE ALARM AS-BUILTS
0	08/19/13	FIRE ALARM PLANS

CHECKED BY: BRYAN BUNDRANT
DRAWN BY: RRB
FILE NAME: 9347-12 MESC HSP DETAILS FA-3
SCALE: 1/8" = 1'-0"
SHEET TITLE:

FACP DETAILS

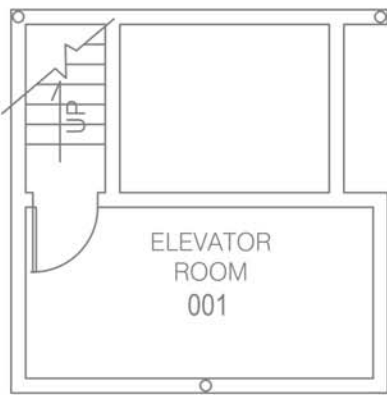
FA-3

PAGE: 4 OF 5

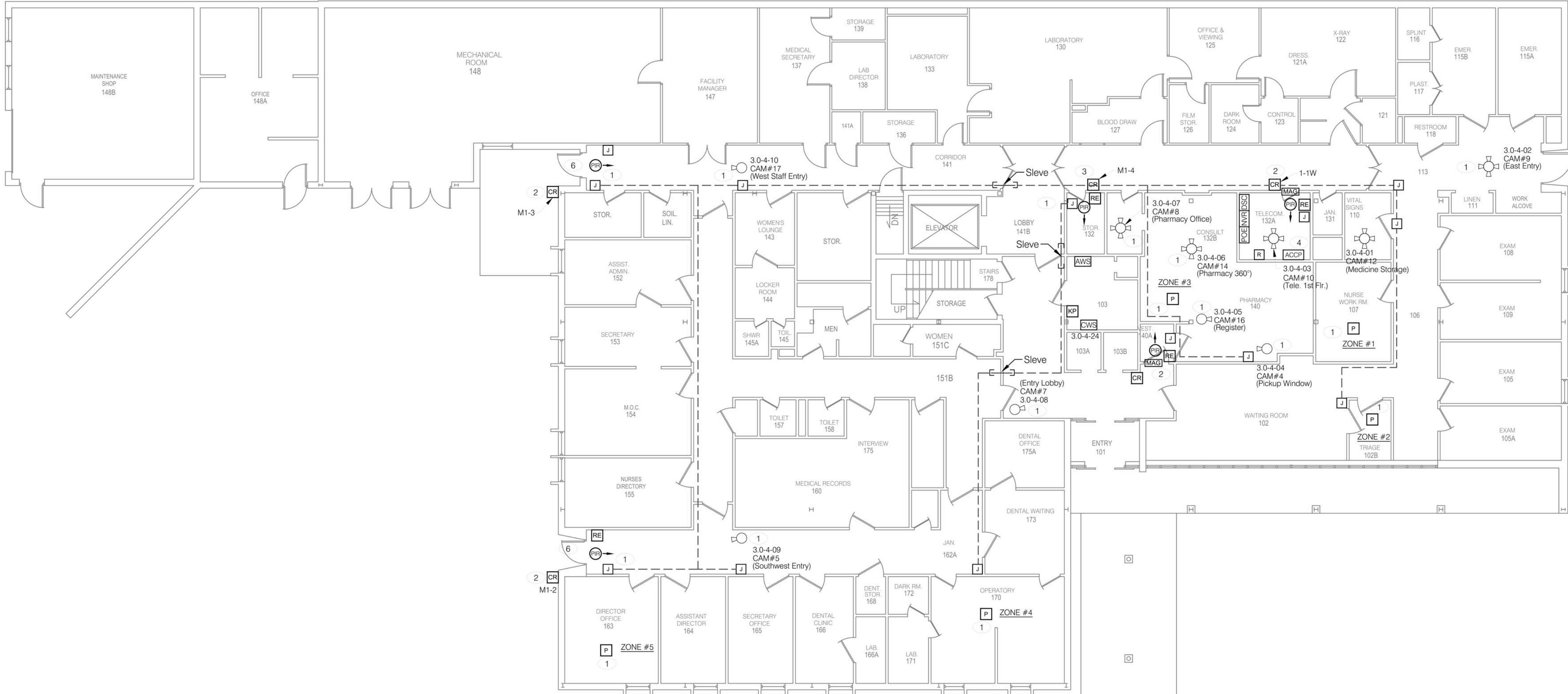




ADMIN. OFFICE - ACCESS / SECURITY PLAN



ELEVATOR RM. - ACCESS / SECURITY PLAN



FIRST FLOOR PLAN - ACCESS / SECURITY PLAN

FOR INFORMATION ONLY

TYPE	DESCRIPTION
PANIC BUTTON	20 AWG / 2 CONDUCTOR, PURPLE CMP CABLE
DSC KEYPAD	18 AWG / 4 CONDUCTOR, PURPLE CMP CABLE
CAMERAS	CAT-6, PURPLE CMP CABLE
ACCESS CONTROL	COMPOSITE MULTI - CONDUCTOR, PLENUM CABLE
SECURITY COMMBUS	20 AWG / 4 CONDUCTOR, PURPLE PLENUM OR AQUA SEAL OSP CABLE.
CCTV BACKBONE	FIBER SINGLE MODE 4 STRAND 50 MICRON

GENERAL NOTES

- EXTERIOR WALL ABATEMENT AND COORING OF EXTERIOR WALLS FOR CARD READERS AND CAMERAS WILL BE DONE BY GRANCOR.
- ALL ELECTRICAL 120V POWER TO BE INSTALLED BY SOUND AND SIGNAL OR ELECTRICAL SUBCONTRACTOR.
- ACCESS CONTROL HEAD-END EQUIPMENT: CAMERA HEADEND EQUIPMENT AND COMPUTER WORKSTATION TO BE INSTALLED BY SOUND AND SIGNAL SYSTEMS.
- ELECTRICAL POWER SUPPLIES FOR EACH DOOR LOCATION, WILL BE LOCATED IN DATA ROOMS. THESE POWER SUPPLIES SHALL REQUIRE 120VAC INSTALLED BY SOUND AND SIGNAL SYSTEMS OR ELECTRICAL SUBCONTRACTOR.
- ALL FIELD INQUIRES TO BE COORDINATED WITH SOUND AND SIGNAL SYSTEMS.
- ALL CAMERA CABLE TO BE PURPLE CAT-6 WITH JACK AND PLATE TERMINATION AT EACH CAMERA LOCATION.
- ALL CAMERA NETWORK P.O.E. SWITCHES AND SECURITY WORK STATIONS SHALL BE CONNECTED TO A U.P.S.
- ALL SECURITY HEADEND EQUIPMENT SHALL BE HARDWIRED TO 120VAC SURGE PROTECTORS.
- OUTDOOR CARD READERS SHALL BE A COMBO PROXIMITY SCRAMBLE PADS. REQUIRES SPECIAL BACKBOX MB-9 PROVIDED BY SOUND AND SIGNAL.
- PLENUM RATED WEST PENN COMPOSITE PART #12H15073 ROUTED FROM EACH DOOR BACK TO ACCESS CONTROL HEAD-END EQUIPMENT. INSTALLED BY SOUND AND SIGNAL.
- IHS / FACILITY TO PROVIDE (1) ANALOG PHONE LINE FOR CONNECTION TO PANIC ALARM DSC PANEL IN ROOM 132A.
- IHS / FACILITY TO PROVIDE NETWORK PORT FOR ACCESS CONTROL PANEL IN ROOM 152A AND ROOM 103.

KEY NOTES

- ROUTE CABLE TO TELECOM RM 132A.
- SCRAMBLE / PROXIMITY READER WITH MB-8 BACKBOX FOR INTERIOR LOCATION OR MB-9 BACKBOX FOR EXTERIOR LOCATIONS.
- PROXIMITY READER ONLY.
- NETWORK CABLE TO NEW HRSHCH MX 8 CONTROLLER. EXTEND RS-485 4 CONDUCTOR CABLE TO OTHER MX CONTROLLER ON 2ND FLOOR.
- GRANCOR TO MODIFY EXISTING AUTOMATIC DOOR OPERATOR AND UPGRADE FOR SECURITY INTERFACE.
- GRANCOR TO MODIFY EXISTING DOOR TO INCLUDE POWER SUPPLY FOR PANIC HARDWARE LATCH RETRACTION.

DEVICE LEGEND

- ACCESS CONTROL/SECURITY CABINET - 18X15.25 WALL MOUNTED CABINET AND POWER SUPPLY FOR THE DOORS. PROVIDED BY SOUND AND SIGNAL. REQS 120VAC. TO BE TIED TO BUILDINGS IT NETWORK. SEE DETAIL 1 ON SHEET TY-4.
- CEILING MOUNTED REQUEST TO EXIT MOTION DETECTOR. PROVIDED AND INSTALLED BY SOUND AND SIGNAL. SEE DETAIL 2 OR 3 ON SHEET TY-4.
- FIXED SAMSUNG IP CAMERA SEE DETAIL 4 ON SHEET TY-4.
- FIXED SAMSUNG OUTDOOR IP CAMERA.
- OUTDOOR SAMSUNG IP PANTILT ZOOM CAMERA. SEE DETAIL 6 ON SHEET TY-4.
- INDOOR SAMSUNG FISHEYE CAMERA.
- DSC LCD SECURITY KEYPAD DISPLAY FOR PANIC ALARMS.
- DOOR CONTACT.
- ELECTRIC DOOR STRIKE.
- CARD READER - PROVIDED AND INSTALLED BY SOUND AND SIGNAL. SEE DETAIL 2 OR 3 ON SHEET TY-4.
- 6" x 6" x 4" J-BOX FOR ALL CABLING CONNECTIONS AS WELL AS TO HOUSE MELM-2 INPUT MODULES.
- SECURITY PANIC BUTTON HARDWIRED TO DSC SECURITY PANEL.
- LOCATION OF NEW ADDRESSABLE FIRE ALARM RELAY TO BE CONNECTED TO THE ACCESS CONTROL SYSTEM WHICH WILL RELEASE ALL LOCKING HARDWARE UPON ACTIVATION OF FIRE ALARM SYSTEM. SEE DETAIL 1 ON SHEET TY-4.
- ACCESS HRISH COMPUTER WORKSTATION WITH ENROLLMENT READER, CAMERA AND PRINTER.
- SAMSUNG CAMERA WORKSTATION.
- CCTV NETWORK POWER OVER ETHERNET SWITCHES WITH U.P.S. AND DATA PATCH PANEL.
- DSC 16 ZONE SECURITY PANEL SEE DETAIL 5 ON SHEET TY-4.
- REQUEST TO EXIT BUTTON TO BE TIED TO MAGNETIC LOCK. SEE DETAIL 2 OR 3 ON SHEET TY-4.
- ELECTRIC MAGNETIC DOOR LOCK WITH BUILT IN DOOR SENSOR PROVIDED AND INSTALLED BY SOUND AND SIGNAL. SEE DETAIL 2 OR 3 ON SHEET TY-4.
- NETWORK VIDEO RECORDER.
- AIPHONE INTERCOM SYSTEM.

Sound & Signal Systems
of NEW MEXICO, Inc.
7131 WASHINGTON ST. N.E.
ALBUQUERQUE, NM 87109
WWW.SOUNDANDSIGNALNM.COM
(505) 884-1217

INDIAN HEALTH SERVICE

MESCALERO HOSPITAL
MESCALERO, NM 88340

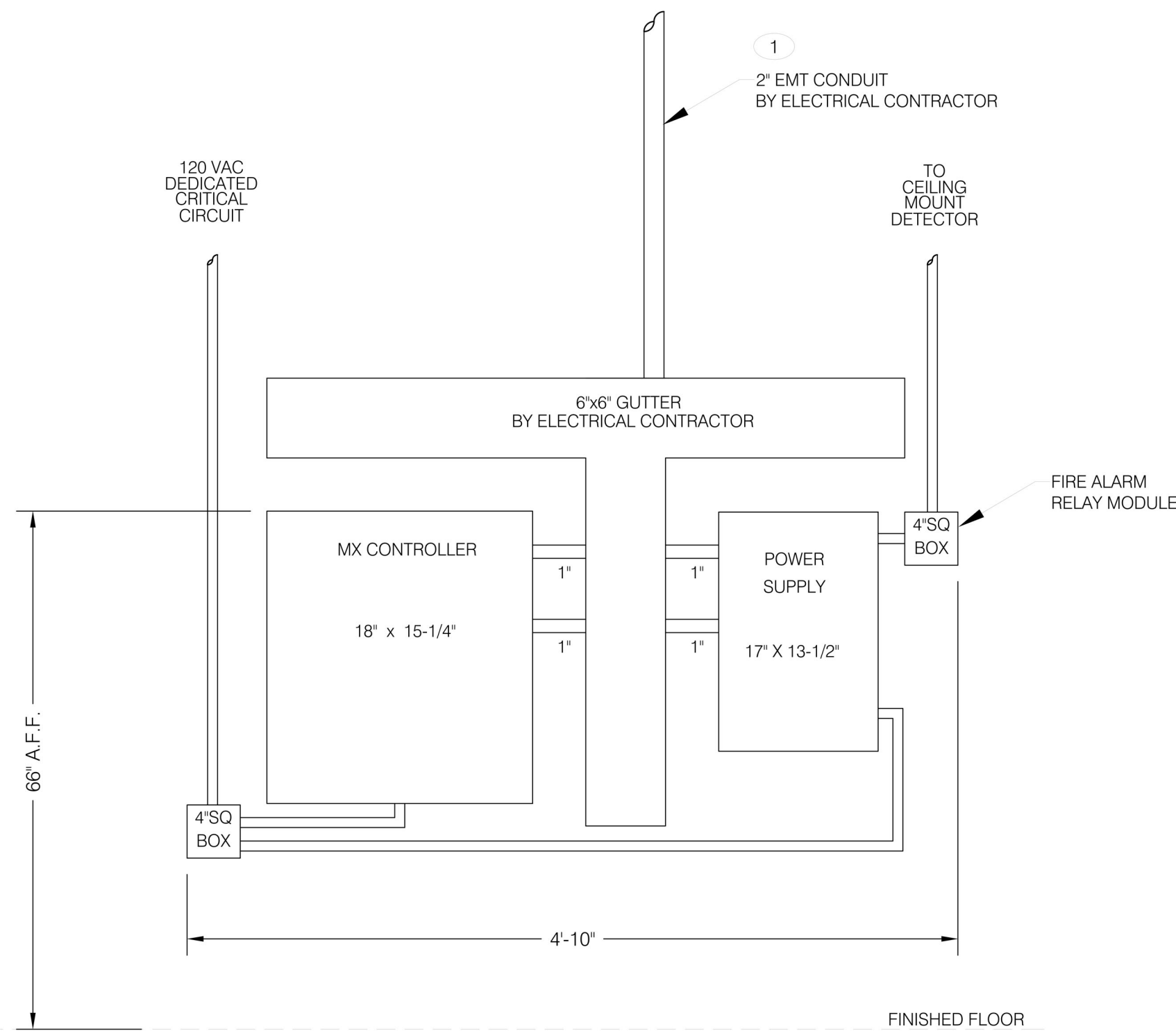
1 8/24/18 As-builts
0 6/20/17 SHOP DRAWING
DATE: DESCRIPTION:

CHECKED BY: Ted Aragon
DRAWN BY: RRB
FILE NAME: 10791-C150 Mesq Hosp-TY-1
SCALE: 1/8" = 1'-0"

SHEET TITLE:
**ADMIN. / ELEV. RM
FIRST FLOOR
ACCESS/SEC. PLAN**

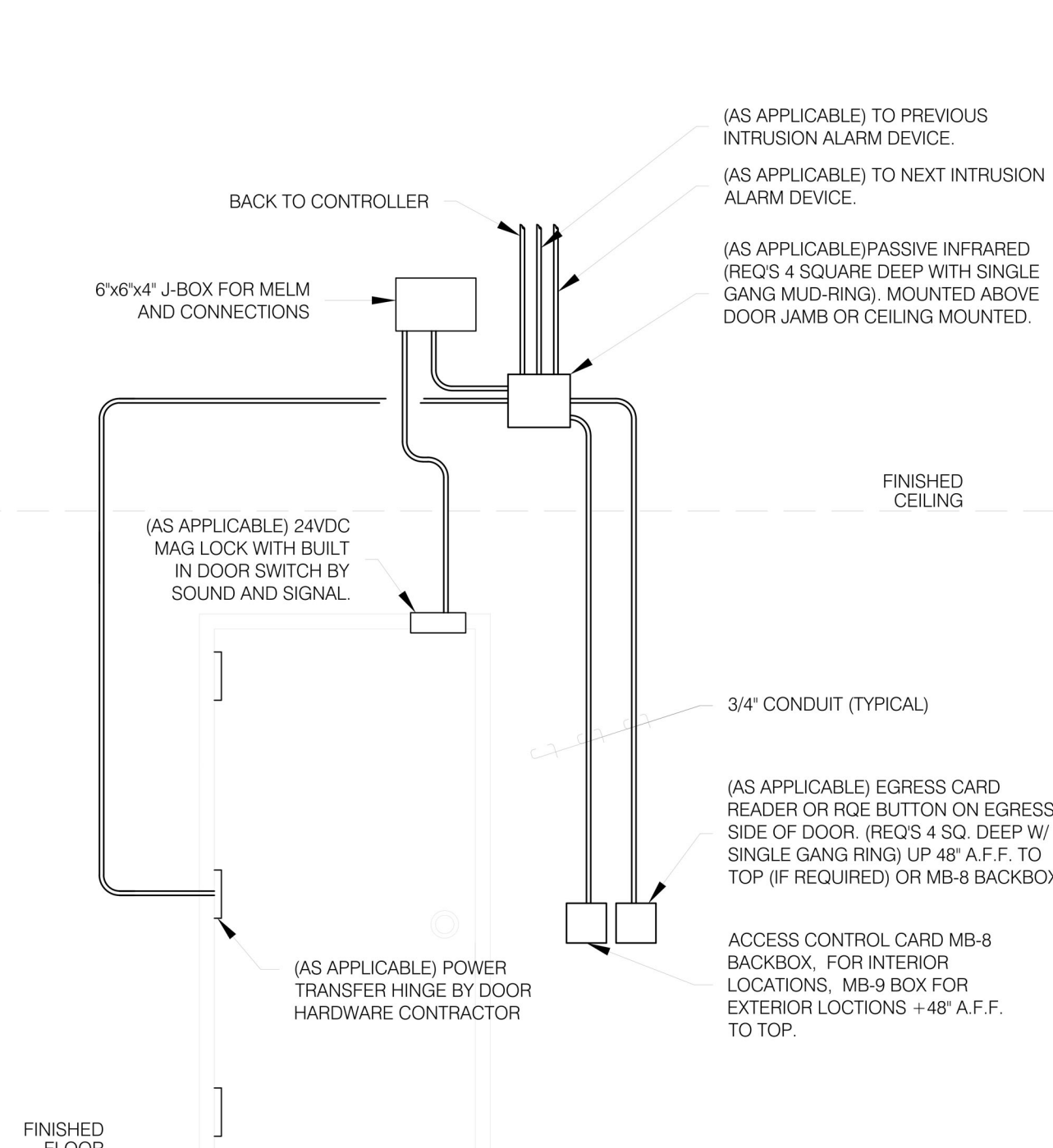
TY-1
PAGE: 1 OF 4

R:\MSCH\HSMescalero\10791-C150 Mesq Hosp TY-4.dwg



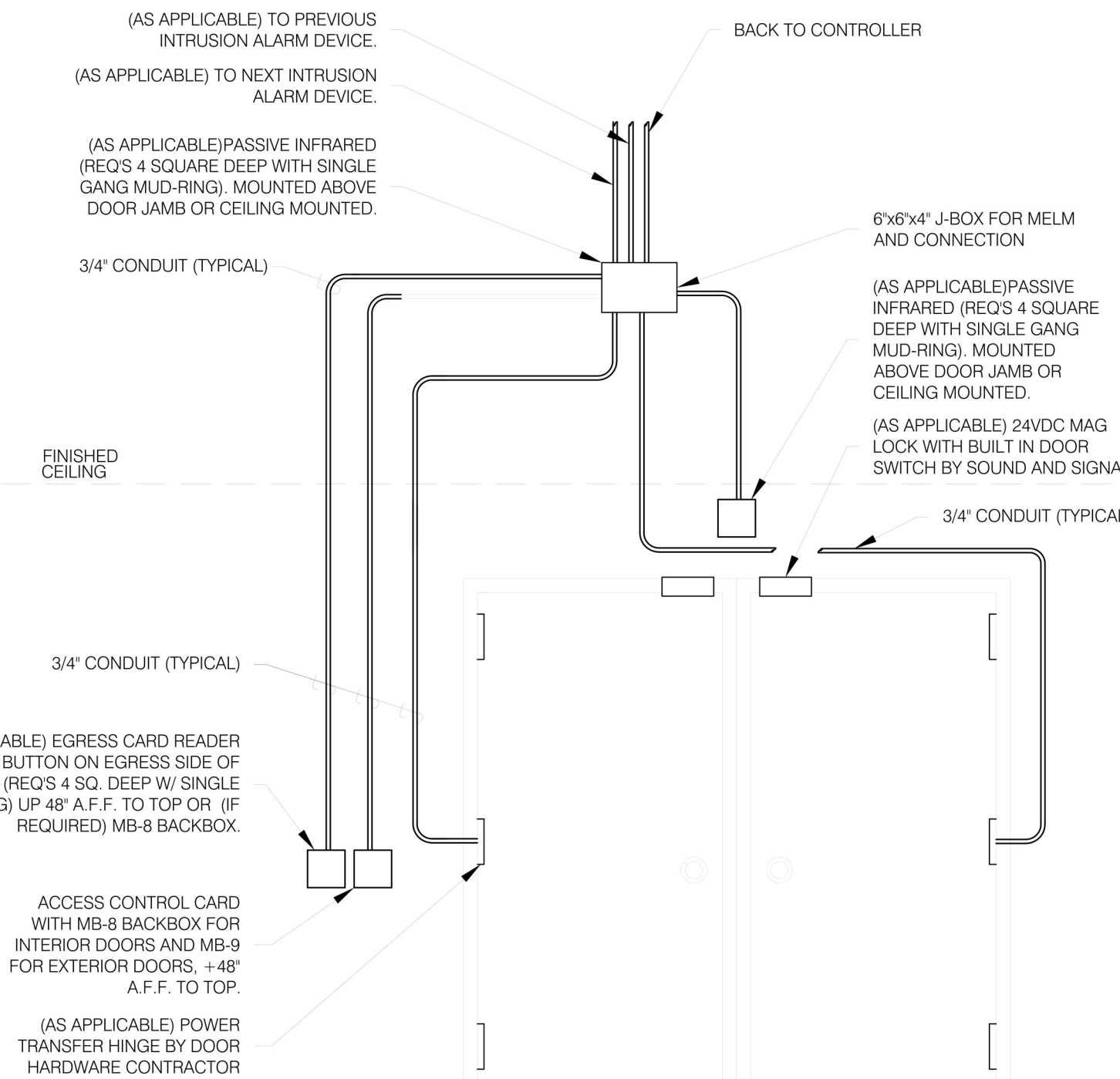
HEAD-END EQUIPMENT MOUNTING DETAIL
RM 3100 AND IT RM 4104

1 NOT TO SCALE



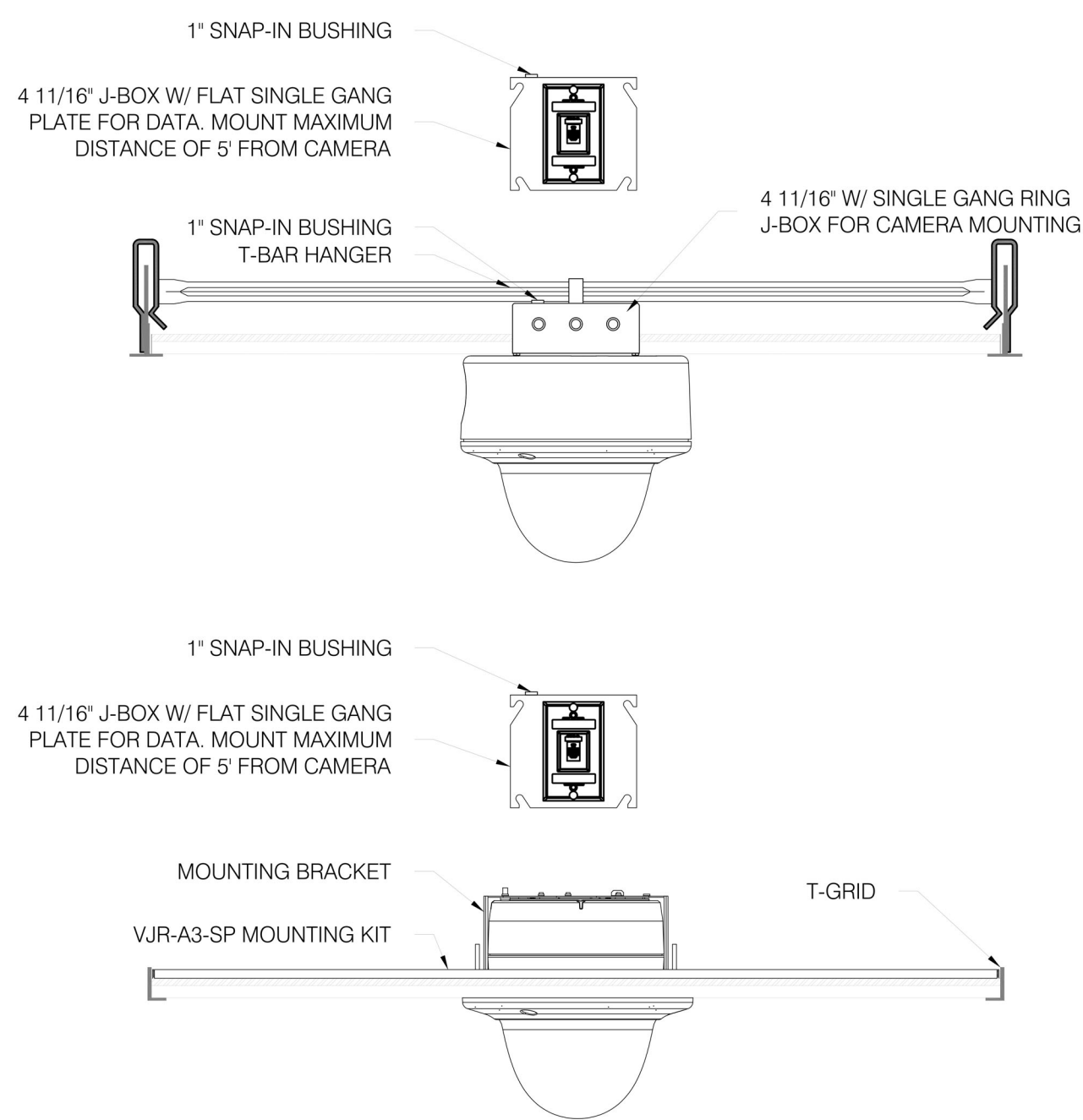
SINGLE DOOR ACCESS / SECURITY DETAIL

2 NOT TO SCALE



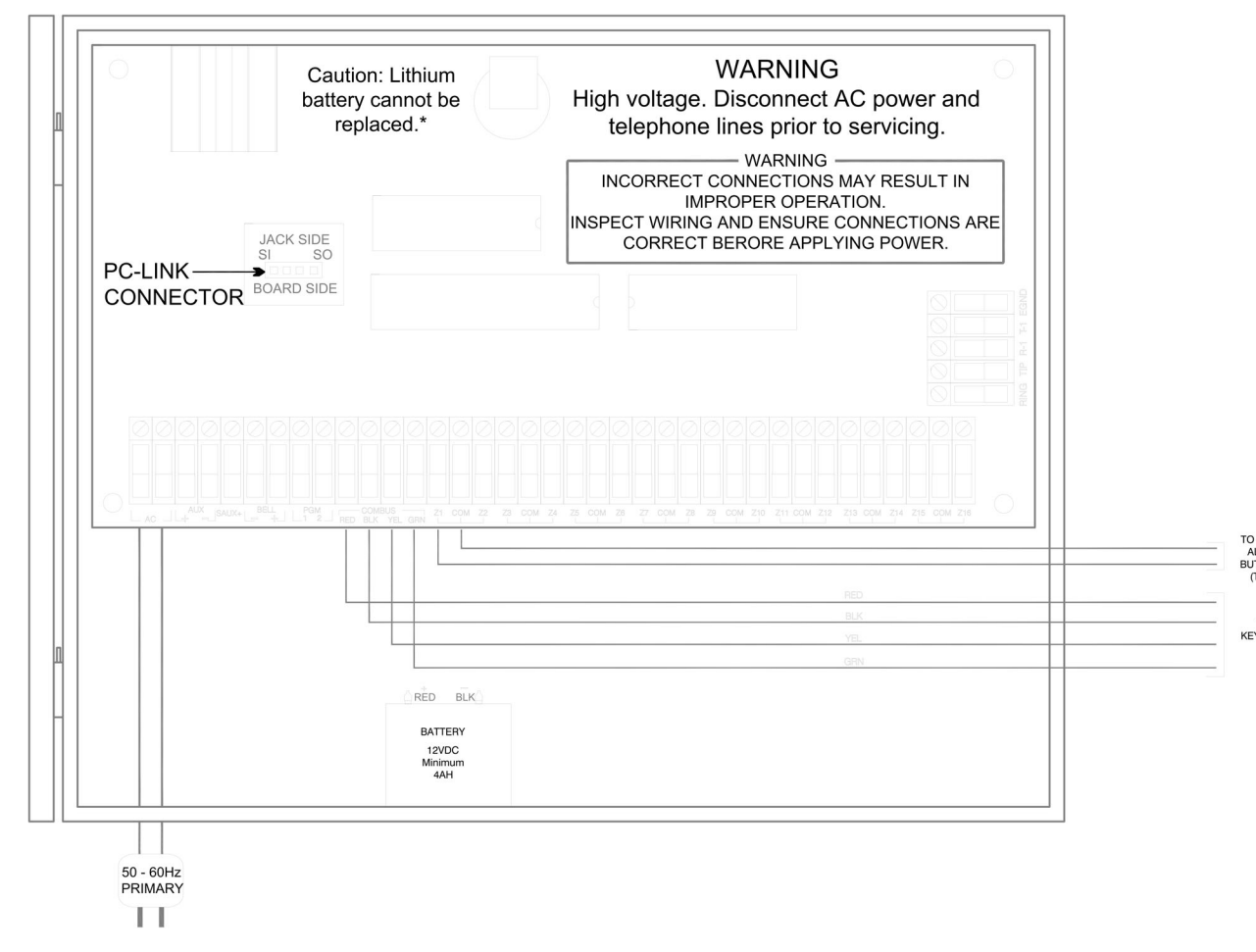
DOUBLE DOOR ACCESS / SECURITY DETAIL

3 NOT TO SCALE



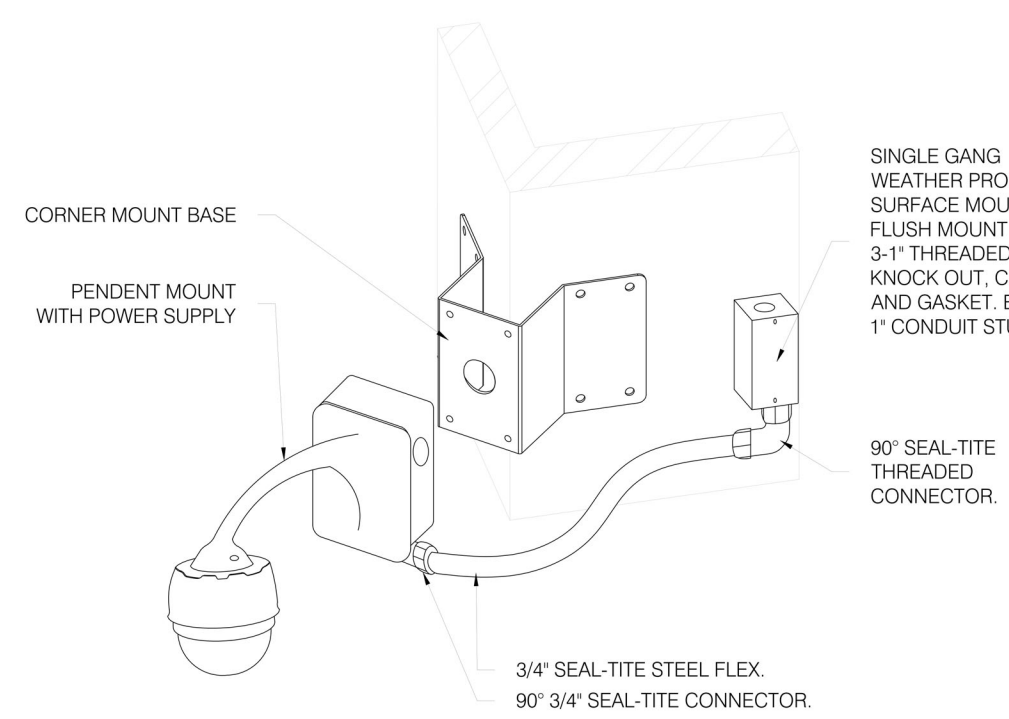
INTERIOR CCTV CAMERA
FLUSH & RECESSED CEILING MOUNTED

4 NOT TO SCALE



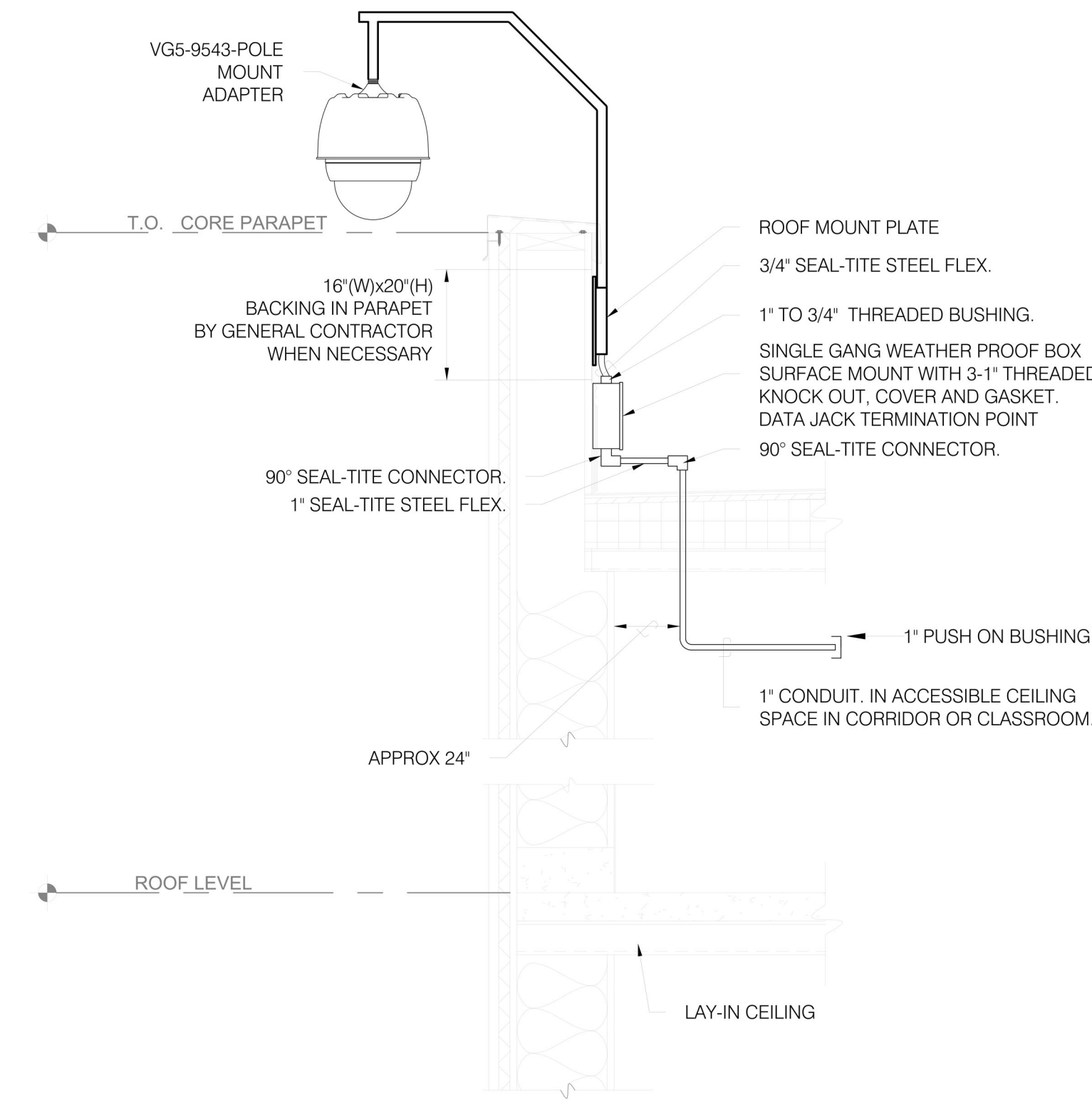
DSC16 ZONE
SECURITY PANEL RM 121D

5 NOT TO SCALE



EXTERIOR CCTV CAMERA
CORNER MOUNTED

6 NOT TO SCALE



EXTERIOR CCTV CAMERA
PARAPET MOUNTED

7 NOT TO SCALE

FOR INFORMATION ONLY

Sound & Signal Systems
of NEW MEXICO, Inc.
7131 WASHINGTON ST. N.E.
ALBUQUERQUE, NM 87109
WWW.SOUNDANDSIGNALNM.COM
(505) 884-1217

INDIAN HEALTH
SERVICE

MESCALERO HOSPITAL
MESCALERO, NM 88340

1 8/24/18 As-builts
0 6/20/17 SHOP DRAWING
DATE: DESCRIPTION:
CHECKED BY: Ted Aragon
DRAWN BY: RRB
FILE NAME: 10791-C150 Mesq Hosp-TY-1
SCALE: 1/8" = 1'-0"
SHEET TITLE:

ACCESS / SEC.
DETAILS

TY-4
PAGE: 4 OF 4