



U.S. Department of Veterans Affairs

100% CONSTRUCTION DOCUMENTS 03/31/2022

PROJECT LOCATION: **PINE RIDGE VA CLINIC**

HIGHWAY 18, P.O. BOX 5016
PINE RIDGE, SD 57770

PROJECT TITLE: **EHRM INFRASTRUCTURE UPGRADES**

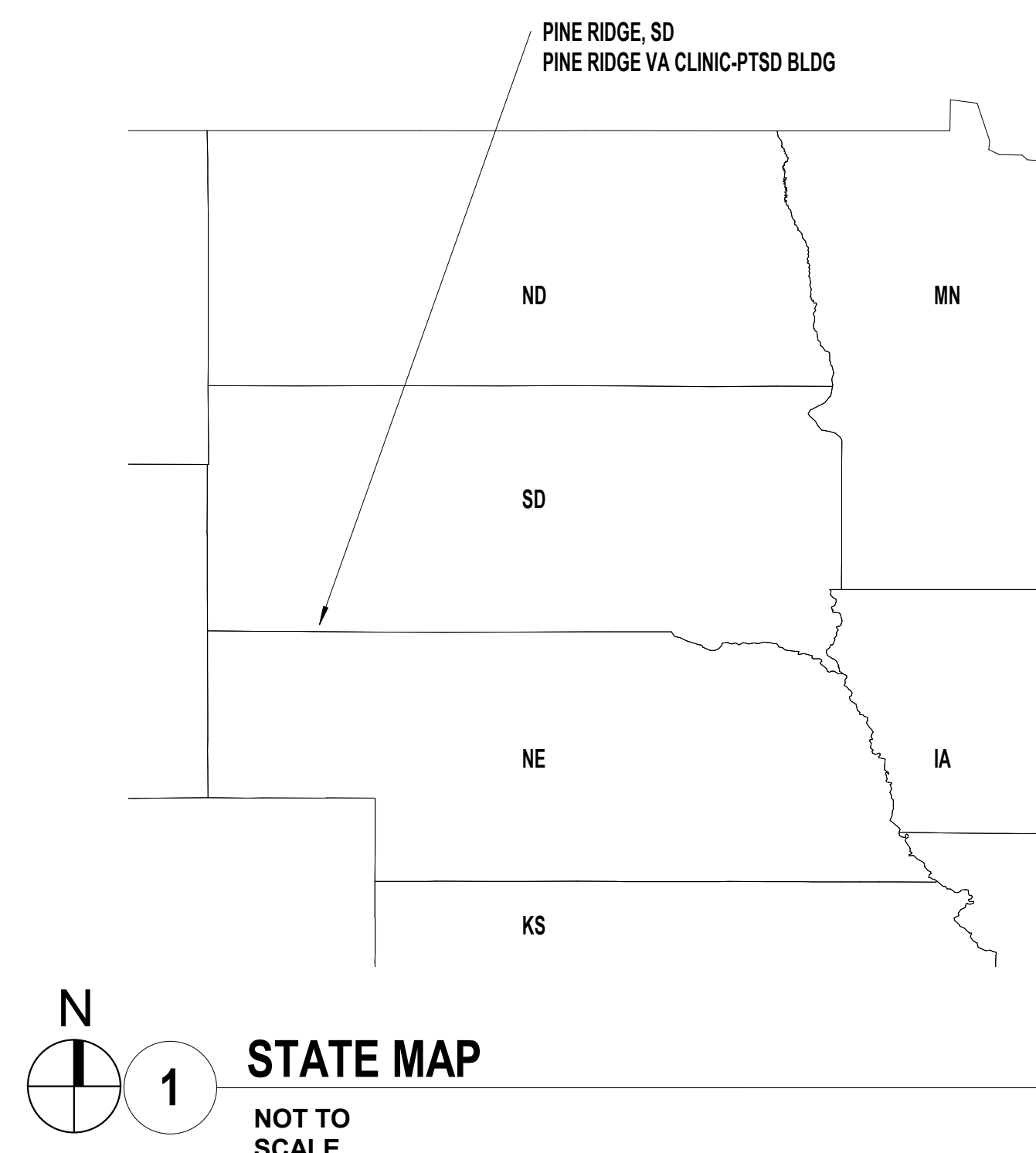
BUILDING NUMBER: **Pine Ridge Clinic**

ARCHITECTS + ENGINEERS: **BANCROFT ARCHITECTS + ENGINEERS**

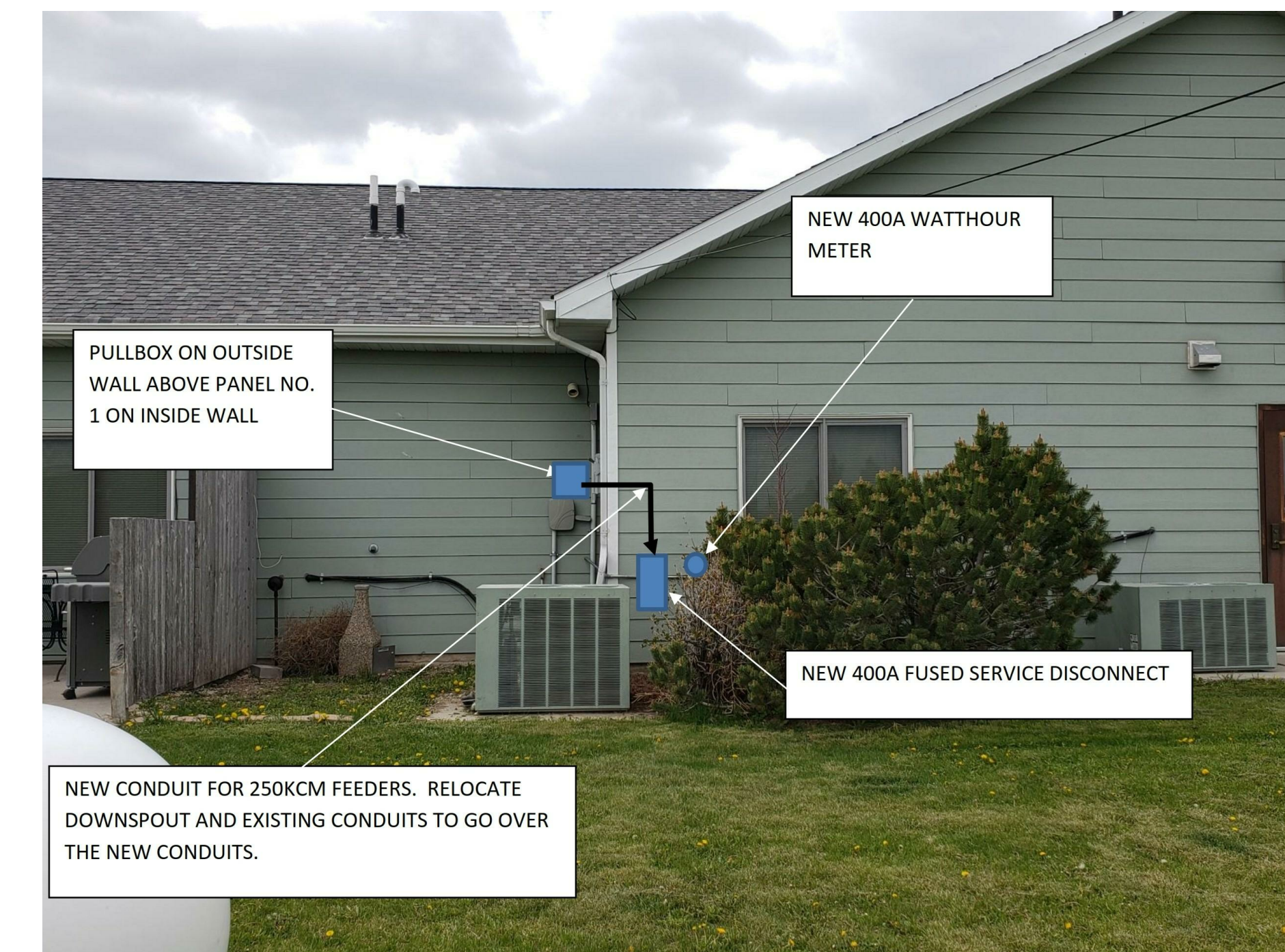
700 Nicholas Blvd. Suite 300
Elk Grove Village, IL 60007
T:847.952.9362 F:847.952.9403
www.bancroft-ae.com

PROJECT NUMBERS:

CONTRACT NUMBER: 36C26319D0044
STATION PROJECT NUMBER: 568A4-21-703
BANCROFT-AE PROJECT NUMBER: 18-121



1 STATE MAP
NOT TO SCALE



2 NEW 400A SERVICE ENTRANCE LOCATION
NOT TO SCALE



3 VICINITY MAP
NOT TO SCALE



4 CAMPUS MAP
NOT TO SCALE

100% CONSTRUCTION DOCUMENTS	03/31/2022
100% CONSTRUCTION DOCUMENTS	02/17/2022
100% CONSTRUCTION DOCUMENTS	01/14/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
100% CONSTRUCTION DOCUMENTS	09/16/2021
95% CONSTRUCTION DOCUMENTS	09/09/2021
95% CONSTRUCTION DOCUMENTS	09/02/2021
65% DESIGN DEVELOPMENT	7/29/2021
35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD



STAMP

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
GENERAL - COVER SHEET
Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title EHRM INFRASTRUCTURE UPGRADES			Project Number 568A4-21-703	
Location PINE RIDGE VA CLINIC			Building Number Pine Ridge Clinic	
Issue Date 03/31/2022	Checked CZ	Drawn LD	Drawing Number G001	

APPLICABLE CODES	
•	VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (http://www.cfm.va.gov/til/).
•	INTERNATIONAL BUILDING CODE 2018 (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS).
•	NFPA 101 LIFE SAFETY CODE 2020.
•	NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900.
•	OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
•	VA EHRM SITE INFRASTRUCTURE AND END USER DEVICE REQUIREMENTS V2.0, APRIL 15, 2021/VA SEISMIC DESIGN REQUIREMENTS, H-18-8.
•	NATIONAL ELECTRICAL CODE (NEC).
•	INTERNATIONAL PLUMBING CODE (IPC).
•	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13).
•	BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
•	MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
•	ENERGY POLICY ACT OF 2005 (EPACT)
•	DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
•	FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
•	EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.
•	THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
•	VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY – ASHRAE STANDARD 62.1-2004.
•	ASHRAE-110 F VELOCITY MEASUREMENT PROCEDURES
•	SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION (SMACNA)
•	INTERNATIONAL MECHANICAL CODE (IMC)
•	UNDERWRITER'S LABORATORIES (UL)

BUILDING CODE DATA					
GROSS FLOOR AREA / SF	CBOC BUILDING				4,130
GROSS FLOOR AREA / SF	CBOC BUILDING BUSINESS OCCUPANCY				1,595
GROSS FLOOR AREA / SF	CBOC BUILDING OCCUPANCY R-4				2,535
NOTE: MAIN APPLICABLE CODES FOR REFERENCE ONLY, ADDITIONAL APPLICABLE CODES REFERENCED AS NEEDED.					
APPLICABLE CODE	NFPA 101 (2020)		IBC 2018		PROVIDED/ ACTUAL
	SECTION	REQUIREMENT	SECTION	REQUIREMENT	
OCCUPANCY TYPE	101 6.1.11	BUSINESS/R-4	304	BUSINESS/R-4	
OCCUPANT LOAD FACTOR CBOC BUSINESS OCCUPANCY	TABLE 7.3.1.2	150	TABLE 1004.5	150	
OCCUPANT LOAD/PERSONS CBOC BUSINESS OCCUPANCY		11		11	
BUILDING CONSTRUCTION TYPE	NFPA 220	V (000)	TABLE 601	V-B	
MAX ALLOWABLE HEIGHT ABOVE GRADE			TABLE 504.3		
MAX ALLOWABLE NUMBER OF STORIES ABOVE GRADE			TABLE 504.4		
MAX ALLOWABLE BUILDING AREA			TABLE 506.2		
AUTOMATIC SPRINKLER SYSTEM		FULLY SPRINKLERED	TABLE 506.2	FULLY SPRINKLERED	
NOTE	BUILDING CBOC IS A SINGLE STORY STRUCTURE WITH MIXED-USE OCCUPANCY OF GROUP-B AND R-4.				

ADDITIONAL REQUIREMENTS Contractor to provide staff that will undergo training and certification to allow un-escorted access to IT closets. The contractor shall certify sufficient number of staff to accommodate proposed schedule without relying on VA staff to accompany as escorts. This will require PIV badging requirement including background investigations, see "Contractor Background Investigations Request" form.

VA Personnel Security Adjudication Center Current Date:
 VA Enterprise Centers

Contractor Background Investigation Request

VA Organization Billing Information	
VISN <input type="text"/>	VA Organization <input type="text"/>
Station # <input type="text"/>	
Individual Information	SSN <input type="text"/> Gender <input type="text"/> Date of Birth <input type="text"/> Last Name <input type="text"/> City of Birth <input type="text"/> First Name <input type="text"/> State of Birth <input type="text"/> <i>Leave blank if foreign born.</i> Middle Name <input type="text"/> Country of Birth <input type="text"/> Email Address <input type="text"/> Country of Citizenship <input type="text"/> Investigation <input type="text"/> Position Title <input type="text"/> <i>Additional options may be presented after an investigation is selected.</i>
Company Information	Contractor Company <input type="text"/> Task Order Number <input type="text"/> Company POC <input type="text"/> POC Email Address <input type="text"/> <i>Use semicolons for multiple addresses.</i> POC Address <input type="text"/> City <input type="text"/> State <input type="text"/> Zip <input type="text"/> Phone Number <input type="text"/>
CO / COR	Name of CO / COR <input type="text"/> Location <input type="text"/> CO / COR Email <input type="text"/> Signature <input type="text"/> Additional Notes <input style="width: 100%; height: 20px;" type="text"/>

Upload signed request to [PSAC Resource Site](#).

DRAWING INDEX					
SHEET NUMBER	SHEET TITLE	35%	65%	95%	100%
00-GENERAL					
G001	GENERAL - COVER SHEET	*	*	*	*
G002	GENERAL - DRAWING INDEX, BUILDING CODE INFORMATION	*	*	*	*
G1001	GENERAL - GENERAL PROJECT NOTES	*	*	*	*
G1002	GENERAL - GENERAL DEMOLITION NOTES	*	*	*	*
G1101	GENERAL - LIFE SAFETY AND INFECTION CONTROL PLANS - FIRST FLOOR	*	*	*	*
G1102	GENERAL - INFECTION CONTROL NOTES AND DETAILS	*	*	*	*
01-ARCHITECTURAL					
A001	ARCHITECTURAL - SYMBOLS, ABBREVIATIONS AND TYPICAL MOUNTING HEIGHTS	*	*	*	*
A100	ARCHITECTURAL - CBOC SITE PLAN	*	*	*	*
A101	ARCHITECTURAL - DEMOLITION AND CONSTRUCTION PLANS - FIRST FLOOR	*	*	*	*
A102	ARCHITECTURAL - DEMOLITION AND CONSTRUCTION CEILING PLANS - FIRST FLOOR	*	*	*	*
A103	ARCHITECTURAL - DEMOLITION AND NEW WORK ELEVATIONS - MECH.ROOM 112	*	*	*	*
A104	ARCHITECTURAL - MISC.DETAILS AND SCHEDULES	*	*	*	*
06 - PLUMBING					
P001	PLUMBING - GENERAL NOTES, SYMBOLS AND ABBREVIATIONS	*	*	*	*
P101	PLUMBING ENLARGED PLAN DEMOLITION / NEW CONSTRUCTION	*	*	*	*
P501	PLUMBING - DETAILS	*	*	*	*
07-MECHANICAL					
M001	MECHANICAL - GENERAL NOTES, SYMBOLS, & ABBREVIATIONS	*	*	*	*
M101	MECHANICAL ENLARGED PLAN	*	*	*	*
M501	MECHANICAL DETAILS	*	*	*	*
M601	MECHANICAL SCHEDULES	*	*	*	*
08-ELECTRICAL					
E001	ELECTRICAL - GENERAL NOTES	*	*	*	*
E002	ELECTRICAL - SYMBOLS AND ABBREVIATIONS	*	*	*	*
EP101	ELECTRICAL - FIRST FLOOR POWER PLAN AND SERVICE ENTRANCE, 400A SERVICE	*	*	*	*
EP102	ELECTRICAL - SITE PLAN, 400A SERVICE UNDERGROUND	*	*	*	*
EPD102	ELECTRICAL - SITE PLAN, 400A SERVICE UNDERGROUND	*	*	*	*
ET101	ELECTRICAL - ENLARGED MECHANICAL ROOM TECHNOLOGY PLAN	*	*	*	*
ET102	ELECTRICAL - FIRST FLOOR NETWORK AND PHONE CABLING PLAN	*	*	*	*
ET103	ELECTRICAL - NETWORK DIAGRAM	*	*	*	*
ET104	ELECTRICAL - GOLDEN WEST COMMUNICATION FIBER	*	*	*	*
EF100	ELECTRICAL - RELOCATE FIRE ALARM CONTROL PANEL	*	*	*	*
E500	ELECTRICAL - ARC FLASH, CURRENT IN AMPERES, ELECTRICAL EQUIPMENT SCHEDULE AND SINGLE LINE DIAGRAM	*	*	*	*
E501	ELECTRICAL - PHASING AND UTILITIES CONTACT DATA	*	*	*	*
E600	ELECTRICAL - PANEL SCHEDULES	*	*	*	*
E601	ELECTRICAL - EQUIPMENT SCHEDULES	*	*	*	*
E700	ELECTRICAL - SIGNAGE	*	*	*	*
Grand total: 34					

ADDITIONAL REQUIREMENTS

All contracting employees providing work on Native American Nation land shall fully comply with TERO (Tribal Employment Rights Office) requirements. TERO Ordinances require that all employers who are engaged in operating a business on reservations give preference to qualified Native Americans in all aspects of employment, contracting and other business activities.

CONTACT INFORMATION:

TRIBAL EMPLOYMENT RIGHTS OFFICE (TERO)
Buffy D.M.Redfish
 Office Manager
 P.O. Box 379
 Pine Ridge, SD 57770
 605-867-5167
 605-867-5892 fax
 605-407-2977 cell

100% CONSTRUCTION DOCUMENTS	03/31/2022
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65% DESIGN DEVELOPMENT	7/29/2021
35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP
	 700 Nicholas Blvd, Suite 300 Elk Grove Village, IL 60007 T:847.952.9362 F:847.952.9403 www.bancroftae.com VA CONTRACT NO. 36C26319D00044 Bancroft Project No. 18-121	

Office of Construction and Facilities Management	Drawing Title GENERAL - DRAWING INDEX, BUILDING CODE INFORMATION	Phase 100% CONSTRUCTION DOCUMENTS
	Approved: Project Director	
VA U.S. Department of Veterans Affairs		

REVIEW ONLY - NOT FOR CONSTRUCTION			
Project Title EHRM INFRASTRUCTURE UPGRADES		Project Number 568A4-21-703	
Location PINE RIDGE VA CLINIC		Building Number Pine Ridge Clinic	
Issue Date 03/31/2022	Checked CZ	Drawn LD	Drawing Number G002

GENERAL NOTES FOR CONTRACTORS

- 1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL PUBLISHED APPLICABLE LOCAL / STATE / FEDERAL / NATIONAL CODES, ORDINANCES AND REGULATIONS ALONG WITH ALL RELATED VA DIRECTIVES, DESIGN GUIDES AND MANUALS, SPECIFICATIONS AND STANDARDS PLUS ALL VA REQUIREMENTS (FEDERAL AND LOCAL) THAT ARE PROJECT SPECIFIC TO THE DOCUMENTED SCOPE OF WORK ON THIS SITE.

SPECIAL SAFETY NOTES

- 1. ALL CONTRACTORS, SUBCONTRACTORS AND THEIR REPRESENTATIVES WORKING ON THIS PROJECT SHALL AT ALL TIMES PRIOR TO AND DURING THE COURSE OF THEIR ACTIVITY BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES, ALL OTHERS AND BE IN CARE OF THE PROPERTY.

BASIS OF DESIGN (BOD) COMPLIANCE PROTOCOLS

- SUMMARY DESCRIPTION: 1. THE BASIS OF DESIGN (BOD) COMPLIANCE PROTOCOLS ARE TO BE FOLLOWED FOR ALL CONTRACTOR PROPOSED EQUIVALENT SUBSTITUTIONS OR DEVIATIONS FROM THE BASE BIDDING CONSTRUCTION DOCUMENTS.

BOD COMPLIANCE PROTOCOLS:

- 1. THE BOD COMPLIANCE PROTOCOLS APPLY TO ALL MATERIALS, EQUIPMENT, HARDWARE, FINISHES, CONTROLS, ENGINEERING SYSTEMS AND THEIR INCLUSIVE PARTS, DETAILED ASSEMBLIES PLUS ALL RELATED DESIGN ELEMENTS AND SPECIFIED PARAMETERS THAT ARE CONTAINED WITHIN THE BIDDING FOR CONSTRUCTION DRAWINGS AND SPECIFICATIONS.

OCCUPIED AREAS PROTECTION PROTOCOLS

VERIFY AND COORDINATE ALL PROTECTION REQUIREMENTS TO BE PROVIDED FOR EACH SPECIFIC AREA OR LOCATION OF SCHEDULED WORK WITH THE VA/OCOR, BEFORE BEGINNING ANY WORK.

- 1. CAREFULLY MOVE/RELOCATE ANY SIGNAGE, WALL HUNG ITEMS, BLINDS, CURTAINS, ETC. THAT ARE WITHIN THE AREA ZONE WHERE THE WORK IS TO BE ACCOMPLISHED AND IN DANGER OF BEING DAMAGED BY THE PERFORMANCE OF THE WORK.

GENERAL PAINTING NOTES

WHEREVER THE WORK BEING PERFORMED BY THIS PROJECT REQUIRES THE REMOVAL/DEMOLITION FROM, OR THE INSTALLATION OF NEW MATERIALS, EQUIPMENT OR ASSEMBLIES TO FINISH PAINTED SURFACES, THE CONTRACTOR SHALL PROVIDE ALL PAINTING TO THE EXISTING WALL/CEILING SURFACES BEING AFFECTED BY THE WORK.

P1 ALL PAINTING AND RELATED WORK AS SHOWN ON THE DRAWINGS AND/OR AS REASONABLY IMPLIED BY THE SPECIFICATIONS AND THE PROJECT REQUIREMENTS TO PROVIDE A COMPLETELY FINISHED PROJECT.

P2 ALL SCRATCHES, DENTS, CRACKS AND/OR OPENINGS IN EXISTING AND NEW WALL SURFACES ARE TO BE FILLED WITH PLASTER PATCH, SPACKLING COMPOUND OR OTHER PRESCRIBED MATERIAL IN ANY INDUSTRY APPROVED MANNER AND SANDED SMOOTH TO PROVIDE A "LIKE NEW" SURFACE CONDITION BEFORE PAINTING AND FINISHING.

P3 ALL SURFACES ARE TO BE CLEANED FREE OF LOOSE DIRT, DUST, OIL, GREASE AND ALL FOREIGN MATTER JUST PRIOR TO FINISHING.

P4 PROVIDE ALL LABOR, MATERIALS, BRUSHES, TOOLS, LADDERS AND ALL EQUIPMENT OF ANY KIND NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

P5 WORKMANSHIP EXECUTION SHALL BE PERFORMED IN AN INDUSTRY RECOGNIZED MANNER DETERMINED TO BE RATED AS FIRST CLASS IN EVERY RESPECT WITH ALL MATERIALS EVENLY SPREAD AND SMOOTH WITHOUT DEFECTS, RUNS, SAGS, OR DEBRIS PRESENT IN THE FINISHED SURFACE.

P6 THE PRIME COAT SHALL BE TINTED TO APPROXIMATE SHADE OF THE FINAL COAT, ALL SECTIONS. SPOTS OR HOT SPOTS AFTER PRIMARY APPLICATION SHALL BE TOUCHED-UP BEFORE APPLYING THE SECOND COAT TO PRODUCE A SMOOTH AND LEVEL SURFACE.

P7 WORK NOT INCLUDED: UNLESS OTHERWISE INDICATED, SHOP PRIMING OF FERROUS METAL ITEMS AND FABRICATED COMPONENTS ARE INCLUDED UNDER THEIR RESPECTIVE TRADES.

P8 PROTECT ALL WORK OF OTHER TRADES, CORRECT ANY PAINTING RELATED DAMAGES BY CLEANING, REPAIRING, REFINISHING OR REPLACING AS NECESSARY TO ACHIEVE VA/OCOR APPROVAL.

P9 PROPERLY PREPARE ALL SURFACES TO RECEIVE FINISHES AND APPLY PRIME COATS, PAINTING AND FINISHING MATERIALS IN ACCORDANCE WITH EACH MANUFACTURER'S DIRECTIONS FOR AN INDUSTRY RECOGNIZED QUALITY APPLICATION.

P10 WHEN UNDERCOATS, STAINS OR OTHER CONDITIONS SHOW THROUGH THE FINAL PAINT OR FINISHED COAT, APPLY ADDITIONAL COMPLETE COATS UNTIL THE SURFACE FILM IS OF A UNIFORM FINISHED COLOR AND APPEARANCE.

P11 APPLY EACH MATERIAL AT NOT LESS THAN THE MANUFACTURER'S RECOMMENDED SPREADING RATE, SO AS TO PROVIDE A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 2.5 MILS FOR THE ENTIRE COATING SYSTEM OF (1) PRIME AND (2) FINISH COATS FOR ALL 3 COAT WORK REQUIRED ON PAINTED SURFACES.

P12 PAINTED SURFACE PREPARATION: COMPLY WITH PAINT MANUFACTURER'S RECOMMENDATIONS FOR EACH MATERIAL TYPE AND SURFACE FINISH TO BE PROVIDED AS PER THEIR REFERENCE GUIDE AND SPECIFICATIONS.

P13 METAL SURFACE PREPARATION: ALL METAL SURFACES TO BE PAINTED MUST BE CLEAN AND FREE OF RUST, MILL SCALE, GREASE, OIL, DIRT AND OTHER FOREIGN MATTER.

P14 ALL PAINTING WORK SHALL BE COMPLETED WITHIN WHAT THE INDUSTRY UNIVERSALLY RECOGNIZES AS TOP QUALITY WORKMANSHIP FROM UTILIZING INDUSTRY RECOGNIZED BEST PRACTICES APPLICATION PROCEDURES FOR ALL COATS/APPLICATIONS.

CONSTRUCTION PERIOD STAGING OF WORK

NORMAL WORK SHIFT HOURS FOR THE PINE RIDGE COMMUNITY BASED OUTPATIENT VA CLINIC ARE 8:00 AM UNTIL 4:30 PM DAILY, MONDAY THROUGH FRIDAY, EXCLUDING FEDERAL HOLIDAYS. EVERY SECOND MONDAY OF THE MONTH IS A WORKING DAY FOR THE CLINIC.

1 CERTAIN WORK ITEMS, CONSTRUCTION ACTIVITIES, AND WORK IN CERTAIN AREAS MAY BE DEEMED BY THE VA AS NECESSARY TO BE PERFORMED DURING PERIODS OF AFTERHOURS/OFF-HOURS WORK.

2 CERTAIN WORK ITEMS AND CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO THOSE THAT CREATE NOISE, DUST, VIBRATIONS, AND THAT WOULD CREATE DISTURBANCES TO THE MEDICAL CENTER AND/OR ANY OF THE ADJACENT OCCUPIED AREAS, WILL NEED TO BE PERFORMED DURING PERIODS OF AFTERHOURS/OFF-HOURS WORK.

3 A SUCCESSFUL REVIEW OF SHOP DRAWINGS AND SUBMITTALS BY THE ARCHITECT/ENGINEER DOES NOT RELIEVE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO VA/OCOR.

4 CONTRACTOR SHALL OBTAIN VA/OCOR WRITTEN APPROVAL PRIOR TO PROCEEDING WITH ANY CHANGES FROM THE INFORMATION PROVIDED HEREIN.

MISCELLANEOUS GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK.

PROJECT SCOPE

PROJECT SCOPE IS TO UPDATE EXISTING IT INFRASTRUCTURE IN CB0C TO CURRENT STANDARDS. EXISTING IT EQUIPMENT IS LOCATED IN MECHANICAL ROOM #112 AT THE CB0C.

VA DIRECTED A/E TO ACCOMMODATE NEW IT EQUIPMENT IN A LOCKABLE SERVER CABINET WITH ROOM #112, INSTEAD OF A SEPARATE ENCLOSED TELECOMMUNICATIONS ROOM.

FOR A SYMBOL LEGEND OF FIRE RATED PARTITIONS, SEE SHEET GI001

AREA OF SCOPE OF WORK (FOR REFERENCE ONLY - SELECTIVE DEMOLITION AND NEW WORK MAY EXTEND BEYOND SHOWN LIMITS)

TEMPORARY CONSTRUCTION

REVIEW ONLY - NOT FOR CONSTRUCTION

Table with 2 columns: Revisions and Date. Includes entries for 100% CONSTRUCTION DOCUMENTS, 95% CONSTRUCTION DOCUMENTS, and 65% DESIGN DEVELOPMENT.

CONSULTANT section with logo for Bancroft Architects + Engineers and contact information.

ARCHITECT/ENGINEER OF RECORD section with logo for Bancroft Architects + Engineers and contact information.

STAMP section with logo for U.S. Department of Veterans Affairs.

Office of Construction and Facilities Management section with drawing title 'GENERAL - GENERAL PROJECT NOTES' and approved signature.

Phase section with drawing title '100% CONSTRUCTION DOCUMENTS'.

Project information section including Project Title 'EHRM INFRASTRUCTURE UPGRADES', Location 'PINE RIDGE VA CLINIC', and Drawing Number 'GI001'.

GENERAL DEMOLITION NOTES

GENERAL NOTES FOR CONTRACTORS: SEE ALL PROJECT GENERAL NOTES AND OTHER REQUIREMENTS INCLUDING THE LIFE SAFETY AND INFECTION CONTROL WORK LOCATED WITHIN THE GENERAL DRAWINGS SECTION. COMPLY WITH ALL REQUIREMENTS AS THEY ARE A DIRECT PART OF THIS SECTION AS IF THEY WERE DIRECTLY INCLUDED AND PROVIDED HEREIN.


PROTECTION PROTOCOLS: VERIFY AND COORDINATE ALL PROTECTION REQUIREMENTS TO BE PROVIDED FOR EACH SPECIFIC AREA OR LOCATION OF SCHEDULED WORK WITH THE VA/COR, BEFORE BEGINNING ANY WORK. WHEN PERFORMING DEMOLITION WORK IN ANY OCCUPIED SPACES FOLLOW THE 'OCCUPIED AREAS PROTECTION PROTOCOLS' UNLESS MODIFIED IN WRITING BY THE VA/COR ON A CASE BY CASE BASIS.

1. BEFORE BEGINNING ANY DEMOLITION WORK EACH CONTRACTOR AND DISCIPLINE SHALL PERFORM A FULL EXAMINATION OF ALL AREAS OF WORK AND FULLY VERIFY ALL EXISTING CONDITIONS ALONG WITH ALL OF THE AREAS OF WORK FOR ANY UNFORESEEN CONDITIONS OR DISCREPANCIES FROM THE DOCUMENTATION THAT WOULD AFFECT THEIR WORK AND/OR THE WORK OF OTHERS. ANY UNFORESEEN CONDITIONS OR DISCREPANCIES DISCOVERED ARE TO BE IMMEDIATELY IDENTIFIED AND COORDINATED WITH THE GENERAL PRIME CONTRACTOR WHO SHALL IN TURN DOCUMENT AND PROMPTLY REPORT ANY SUCH CONDITIONS DIRECTLY TO THE VA/COR FOR DIRECTION ON HOW TO PROCEED BEFORE ALLOWING ANY WORK TO BEGIN.
2. ALL REQUIRED DEMOLITION WORK IS NOT NECESSARILY LIMITED TO WHAT IS ONLY SPECIFICALLY SHOWN OR DIRECTLY CALLED OUT ON THE DEMOLITION PLANS OR THAT IS ONLY SPECIFICALLY IDENTIFIED WITHIN THE DEMOLITION NOTES DESCRIPTIONS. THE INTENT OF THE DOCUMENTATION IS TO GENERALLY IDENTIFY THE MORE SPECIFIC MAJOR ELEMENTS OF WORK IN PLACE THAT SHALL REQUIRE REMOVAL AND/OR REWORK IN ORDER TO ACCOMPLISH THE DESIGN INTENT OF THE DOCUMENTS. THE FULL EXTENT OF DEMOLITION WORK COULD INCLUDE BUT NOT NECESSARILY BE LIMITED TO ALL AFFECTED LESSER ELEMENTS OF ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, MEDICAL GASES, FIRE PROTECTION SPRINKLER SYSTEMS AND ALL ELECTRICAL SYSTEMS WORK INCLUDING HIGH AND LOW VOLTAGE POWER, COMMUNICATION SYSTEMS SUCH AS CCTV, SECURITY, IT DATA, LIFE SAFETY, FIRE PROTECTION, NURSE CALL, PA, BAS CONTROLS SYSTEMS, TEMPERATURE AND OTHERWISE, ETC.
3. ALL REQUIRED DEMOLITION WORK IS NECESSARY TO FACILITATE THE EXTENT OF BOTH THE NEW CONSTRUCTION WORK AS WELL AS TO FACILITATE THE REPLACEMENT, RELOCATION AND/OR THE REWORKING OF THE EXISTING SYSTEMS. ANY REWORKING OF THE CURRENT ELEMENTS AND COMPONENTS CURRENTLY NEEDING TO BE MODIFIED IN ORDER TO PROPERLY SUPPORT THE COMPLETED PROJECT SHALL BE PROVIDED AS INTENDED TO CONFORM WITH THE ORIGINAL DESIGN INTENT WHETHER SPECIFICALLY CALLED FOR IN GREAT DETAIL WITH EVERY ANCILLARY ELEMENT FULLY NAMED AND IDENTIFIED OR AS CALLED OUT AS A GENERAL COMPONENT PORTION OF WORK THAT NEEDS TO BE PROPERLY REMOVED IN ORDER TO COMPLETE THE SCOPE OF WORK AS INTENDED TO COMPLY WITH ALL BASES OF DESIGN REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DEMOLITION AND REMOVAL OF ALL EXISTING WALLS, CEILING, SUSPENSION SYSTEMS, FLOORING, ELECTRICAL, TELEPHONE AND PLUMBING CONSTRUCTION AS WELL AS ALL MATERIALS, FINISHES AND EQUIPMENT THAT IS NOT SPECIFICALLY SHOWN OR CALLED FOR AS REQUIRED TO FACILITATE THE NEW CONSTRUCTION WORK INSIDE THE CONTRACT AREA, THE ADJACENT SPACES AND THE SPACES ABOVE AND BELOW. SOME ADDITIONAL ITEMS THAT MAY NOT BE SPECIFICALLY SHOWN IN GREAT DETAIL ON THE DEMOLITION PLAN THAT ARE A PART OF THE DEMOLITION WORK, BUT NOT LIMITED TO, ARE CASEWORK, SHELVING, BRACKETS, STANDARDS, DOOR HARDWARE, MISCELLANEOUS OTHER HARDWARE, SIGNAGE, FLOORING MATERIALS, WALL BASE, WOOD GROUNDS, WALL COVERING MATERIALS, BACKING LINERS OR BOARDS, ANY REMAINING MASTIC, GROUT, CAULKING AND SEALANTS, EXPOSED ANCHORS AND FASTENERS, FRAMING MATERIALS, BACKER BOARDS OR METAL PLATES, CHAIR RAILS, BRACKETS, HOOKS, SURFACE MOUNTED OR RECESSED ACCESSORIES, PRIVACY CURTAINS AND TRACKS, ETC.
5. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SYSTEMATICALLY SAFE FULLY SUPERVISED COORDINATED AND PROPERLY MANAGED SEQUENCE OF WORK UNDER THE DIRECT SUPERVISION OF THE GENERAL PRIME CONTRACTOR'S SUPERINTENDENT AND/OR THEIR MANAGEMENT PERSONNEL INCLUDING THE PERFORMANCE OF ANY ANCILLARY ELEMENTS OF SELECTIVE DEMOLITION.
6. ALL DEMOLITION, THE HANDLING OF MATERIALS AND EQUIPMENT ALONG WITH THE MOVEMENT OF THESE ELEMENTS THROUGHOUT THE FACILITY SHALL BE PERFORMED SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN AS WELL AS TO PROVIDE SAFETY FOR ALL TRADESPEOPLE, STAFF, RESIDENTS/PATIENTS, VISITORS AND SERVICE PROVIDERS.
7. PROVIDE ALL PHYSICAL AND ENVIRONMENTAL PROTECTIVE MEASURES AS REQUIRED BY THE PROJECT DOCUMENTS, VA FEDERAL AND LOCAL REQUIREMENTS, APPLICABLE OSHA REGULATIONS, THE STATION AND ALL LOCAL INFECTION CONTROL AUTHORITIES, NFPA REQUIREMENTS, THE VA/COR AND ALL OTHER REGULATORY AGENCIES AND VA AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
8. PROVIDE ALL TEMPORARY PARTITIONS, PROTECTION, DOOR ACCESS UNITS, ENCLOSURES, WALKWAYS, FENCING, RAILINGS, CANOPIES, AIR FILTRATION DEVICES, VESTIBULES, AIRLOCKS, ETC., WHERE REQUIRED BY THE CONTRACT DOCUMENTS. THE VA/COR AND ALL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AND SHALL BE SURE TO MAINTAIN ADEQUATE AND SAFE EMERGENCY MEANS OF EGRESS FROM ALL AREAS. ALL SUCH WORK NEEDING TO BE PROVIDED WILL REQUIRE VA/COR REVIEW AND APPROVAL BEFORE BEGINNING ANY OF SUCH WORK.
9. GREAT CARE SHALL BE TAKEN WHEN PERFORMING SELECTIVE DEMOLITION IN THE UTILIZATION OF MORE SENSITIVE AND LESS INVASIVE METHODS OF DEMOLITION/REMOVAL, AS WELL AS PROVIDING THE APPROPRIATE ENHANCED PROTECTIVE BARRIERS IN ORDER TO PROVIDE FOR THE LEAST AMOUNT OF DAMAGE TO THE WORK THAT IS TO REMAIN IN PLACE. EXISTING FINISHED SURFACES, MATERIALS AND EXPOSED EQUIPMENT THAT WOULD RECEIVE SIGNIFICANT AMOUNTS OF SURFACE DAMAGE AND WOULD REQUIRE SIGNIFICANT AMOUNTS OF PATCHING, REPAIRS AND REFINISHING WORK SHALL BE DEEMED AS DAMAGED AND UNUSABLE AND WILL NEED TO BE REPLACED IN WHOLE BY THE RESPONSIBLE CONTRACTOR AND ITS REPLACEMENT ONCE COMPLETED WILL NEED TO RECEIVE VA/COR APPROVAL.
10. WHERE EXISTING FLOOR FINISHES ARE TO BE FULLY REMOVED TO ALLOW FOR THE INSTALLATION OF NEW, PROVIDE FOR THE COMPLETE REMOVAL OF THE EXISTING FLOOR FINISHES ALONG WITH ALL ASSOCIATED ATTACHMENT SYSTEMS SUCH AS MASTICS, ADHESIVES, TACKLES STRIPS, STAPLES, SETTING BEDS OF GROUT, MORTAR OR CONCRETE, CARPET PADDING, ATTACHED SUB FLOORING MATERIALS, ETC. AS REQUIRED TO GET DOWN TO THE EXISTING STRUCTURAL FLOOR SUBSTRATE THAT CAN BE PROPERLY PATCHED, REPAIRED, LEVELED AND MADE READY TO RECEIVE THE NEW FLOOR FINISHES.
11. ITEMS INDICATED TO BE REMOVED AND SALVAGED FOR THE VA SHALL REMAIN THE VA'S PROPERTY AND SHALL BE CAREFULLY REMOVED, CLEANED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR RESPONSIBLE AT ALL TIMES. ALL SUCH ITEMS INDICATED TO BE SALVAGED WILL BE PACKAGED AND/OR CRATED AS REQUIRED BY THE VA/COR TO PROPERLY PROTECT THEM FROM DAMAGE CAUSED BY THE HANDLING, MOVING AND/OR THE STORAGE OF THESE ITEMS. ALL PACKAGES AND/OR CRATES OF ITEMS SHALL HAVE THEIR CONTENTS CLEARLY MARKED AND FULLY IDENTIFIED ON BOTH THE TOP AND ONE SIDE OF EACH CONTAINER TO BE COORDINATED WITH AND APPROVED BY THE VA/COR. DELIVER ALL SALVAGED MATERIALS TO THE LOCATIONS INDICATED IN THE PROJECT DOCUMENTATION OR TO THE GOVERNMENTS DESIGNATED STORAGE FACILITY ON THE STATIONS CAMPUS AS DIRECTED BY THE VA/COR.
12. UNLESS OTHERWISE INDICATED OR STATED TO BE SAVED, SALVAGED OR IDENTIFIED AS NEEDING TO REMAIN OR BE RELOCATED AND/OR REUSED, ALL ITEMS IDENTIFIED TO BE REMOVED, DEMOLISHED, SCRAPED, ETC. BECOMES THE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR AND AS SUCH IT IS THEIR RESPONSIBILITY TO REMOVE ALL SUCH ITEMS FROM THE SITE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE VA/COR.
13. DEMOLITION ITEMS OF VALUE TO THE CONTRACTOR(S) ARE NOT TO BE STORED ON SITE AND NEED TO BE REMOVED ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE VA/COR.
14. ALL ITEMS OF WORK THAT ARE IDENTIFIED AS EXISTING TO BE REMOVED AND REUSED/REINSTALLED SHALL BE CAREFULLY DISCONNECTED, DETACHED, REMOVED AND DISASSEMBLED AS REQUIRED FOR CONVENIENCE AND EASE OF HANDLING, MOVING, STORAGE AND FOR THEIR PROTECTION FROM DAMAGE. ALL SUCH ITEMS ARE TO BE INDIVIDUALLY WRAPPED, BOXED OR PLACED IN CARTONS FOR THE EASE OF HANDLING THE MATERIALS AND THEIR PLACEMENT IN A VA/COR IDENTIFIED PROTECTED STORAGE AREA (TBD) LOCATED ON THE STATION BUT NOT NECESSARILY CONVENIENT TO THE SITE OF THE WORK. EACH ITEM SHALL BE FULLY CLEANED, FREE FROM DAMAGE, PREPARED FOR SERVICE AND FULLY TESTED TO VERIFY ITS ABILITY FOR PROPER FUNCTIONAL REUSE PRIOR TO BEING PLACED IN STORAGE. THE CONTRACTOR TAKES RESPONSIBILITY FOR AND CERTIFIES ITS PERFORMANCE CAPABILITIES AND THE FACT THAT IT IS NOT DAMAGED AND FULLY CAPABLE FOR REUSE WHEN READY FOR ITS REINSTALLATION. IN THE EVENTUALITY THAT AN ITEM IS ULTIMATELY FOUND TO BE DAMAGED OR INOPERABLE AT THE POINT OF REINSTALLATION THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW ITEM/DEVICE ALONG WITH ALL ANCILLARY SUPPORT WORK AND EQUIPMENT NECESSARY TO FULLY REPLACE THE EXISTING.
15. WHERE EXISTING MATERIALS, ITEMS OR EQUIPMENT ARE TO BE REMOVED FOR THEIR REPLACEMENT IN THE SAME LOCATION BY THE SAME OR SIMILAR NEW MATERIALS, ITEMS OR EQUIPMENT, CAREFULLY DISCONNECT, DETACH, DISASSEMBLE IF REQUIRED, REMOVE AND DISPOSE OF THE ITEMS INDICATED ALONG WITH ANY AND ALL ANCILLARY SYSTEM COMPONENTRY OR SUPPORT ITEMS ADDITIONALLY IDENTIFIED OR REQUIRED TO BE REPLACED.
16. WHERE STRUCTURAL SUPPORT OF EXISTING CONSTRUCTION ELEMENTS OR PORTIONS OF STRUCTURAL ELEMENTS TO REMAIN IS REQUIRED THE RESPONSIBLE CONTRACTOR PERFORMING THE WORK SHALL PROVIDE AND MAINTAINING ALL NECESSARY STRUCTURAL SUPPORTS, SHORING, STIFFENERS, BRACING, BEAMS, COLUMNS, FOOTINGS AND SUPPORTS AS NECESSARY TO ENSURE THE STABILITY OF THE ELEMENTS BEING SUPPORTED AND TO ADEQUATELY DISTRIBUTE ANY TEMPORARY LOADING SO AS NOT TO OVER LOAD ANY OF THE EXISTING STRUCTURE AND THE CONSTRUCTION BELOW. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STRUCTURAL ENGINEERING ANALYSIS, CALCULATIONS AND SOLUTIONS FOR PROVIDING ANY SUCH WORK AND WILL NEED TO PROVIDE ALL SUCH PROPER DOCUMENTATION PREPARED BY A LICENSED STRUCTURAL ENGINEER TO THE VA/COR AS A SHOP DRAWING SUBMITTAL FOR PAPER REVIEW AND APPROVAL BEFORE BEING ALLOWED TO BEGIN ANY SUCH WORK.
17. ALL EXISTING CONSTRUCTION OR ITEMS INDICATED TO REMAIN IN PLACE AND OPERATION SHALL BE PROTECTED FROM DAMAGE BOTH DURING THE DEMOLITION OPERATIONS AS WELL AS THE NEW CONSTRUCTION EFFORTS. WHERE PRACTICABLE, AND WITH THE VA/COR'S APPROVAL, THE CONTRACTOR MAY ELECT TO REMOVE SUCH ITEMS TO A SUITABLE STORAGE LOCATION DURING THE DEMOLITION PHASE AND THEN PROPERLY CLEAN AND REINSTALL THE ITEMS WHEN APPLICABLE. IN NO CASE SHALL ANY LIFE SAFETY DEVICES, SYSTEMS OR MEASURES BE COMPROMISED BY THE TEMPORARY REMOVAL OF ANY NECESSARY ELEMENTS OF WORK. FOR THE CONVENIENCE OF THE CONTRACTOR, THAT WERE NOT PROPERLY REPLACED IN KIND WITH A SIMILAR PROPERLY OPERATING TEMPORARY DEVICE.
18. DURING THE COURSE OF SELECTIVE DEMOLITION OR REMOVAL OPERATIONS AND THE EXISTING SUBSTRATE MATERIALS/CONSTRUCTION IS DAMAGED BEYOND REASONABLE REPAIR, THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY REPLACE THE ENTIRE DAMAGED SECTION AND/OR SECTIONS. THIS DAMAGED AREA SHALL BE REMOVED AND REPLACED AS REQUIRED TO REPAIR THE SUBSTRATE TO A LIKE NEW CONDITION THAT CONTAINS NO IRREGULAR JOINT CONNECTIONS, CONDITIONS, DEFECTS, WEAKNESS OR WILL CAUSE ADVERSE EFFECTS THAT WILL RESULT IN ANY DIFFERENTIAL FINISHED SURFACE CONDITIONS OR AREAS OF JOINT WEAKNESS THAT WILL RESULT IN SURFACE CRACKING AND BE APPARENT THAT THE CONDITION IS IN FACT A PATCH/REPAIR.
19. REFER TO ALL ENGINEERING DISCIPLINE DRAWINGS AND DOCUMENTATION FOR THE BASIC EXTENT BEING REQUIRED FOR ALL INFRASTRUCTURE AND SYSTEMS DEMOLITION AS WELL AS FOR IDENTIFYING ALL EXISTING EQUIPMENT, PIPING, CONDUITS, DUCTWORK, WIRING, CONTROLS, ETC. THAT ARE INTENDED TO REMAIN WITHIN ANY OF THE AREAS OF DEMOLITION, THE AREAS OF REWORKING OF EXISTING SYSTEMS AND THE AREAS OF NEW WORK.
20. UNLESS OTHERWISE NOTED ALL EXISTING PARTITION CONSTRUCTION WITHIN THE PROJECT AREA OF WORK SCHEDULED TO RECEIVE NEW FINISHES SHALL HAVE ALL EXISTING FINISHES REMOVED INCLUDING BUT NOT LIMITED TO ALL CERAMIC TILE, VINYL WALL COVERING, WOOD PANELING, WAINSCOT MATERIALS, GROUT, MASTIC, WALL COVERING BACKING, WALL BASE, ADHESIVE, STAPLES, EXPOSED FASTENERS, ETC. SUCH THAT THE SUB-STRAIGHT WALL/PARTITION SURFACES REQUIRE NO FURTHER DEMOLITION AND ARE PREPARED TO RECEIVE ALL REQUIRED PATCHING, REPAIRS, RESURFACING AND REFINISHING AS REQUIRED TO RECEIVE THE NEW FINISHES.
21. ALL FINISHED AREAS ADJACENT TO OR INCLUDED WITHIN THE AREA(S) OF CONSTRUCTION ALONG WITH ALL PUBLIC PROJECT ACCESS ROUTES SHALL BE PROTECTED FROM DUST AND DIRT THROUGH THE USE OF VA/COR APPROVED DUSTPROOF PROTECTION. SEE THE OCCUPIED AREA PROTECTION PROTOCOLS PROVIDED IN THE 'GENERAL' DRAWINGS SECTION AND COORDINATE ALL SITE SPECIFIC CONDITIONS IMPACTS ENCOUNTERED WITH THE VA/COR.
22. ALL NEW WORK ALONG WITH ANY PORTIONS OF EXISTING EQUIPMENT, MATERIALS OR REWORKED ELEMENTS WHEN COMPLETED SHALL FULLY COMPLY WITH ALL BASES OF DESIGN REQUIREMENTS.
23. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO ADEQUATELY PROTECT EXISTING CONSTRUCTION AND FINISHES TO REMAIN IN PLACE DURING BOTH THE DEMOLITION AND CONSTRUCTION SEQUENCES OF WORK. ANY DAMAGE TO SUCH AREAS SHALL BE RESTORED AND REFINISHED TO A "LIKE-NEW" CONDITION PRIOR TO THE VA/COR'S ACCEPTANCE OF THAT WORK.
24. THE GENERAL/PRIME CONTRACTOR IS RESPONSIBLE FOR THE PATCH, REPAIR, REFINISHING AND/OR REPLACEMENT OF ALL CONSTRUCTION, MATERIALS, ASSEMBLIES, EQUIPMENT, SIGNAGE AND FINISHES DAMAGED BY THE PROJECT DEMOLITION, TEMPORARY CONSTRUCTION, NEW CONSTRUCTION OR THE MOVEMENT OF PERSONNEL, TOOLS, EQUIPMENT, MATERIALS, ETC. BOTH INSIDE AND OUTSIDE OF THE DESIGNATED AREAS OF WORK.
25. PROVIDE THE CUTTING AND PATCHING FOR ALL DEMOLITION WORK AND ALL NEW CONSTRUCTION WORK BEING PERFORMED OUTSIDE OF THE PROJECT LIMIT LINES AS REQUIRED TO PROPERLY COMPLETE THE PROJECT SCOPE OF WORK.
26. ALL CUTTING, CORING AND DRILLING OF EXISTING CONCRETE AND MASONRY CONSTRUCTION SHALL NOT DAMAGE EXISTING REINFORCING STEEL, PIPING, CONDUITS OR OTHER CONCEALED CONSTRUCTION WITHIN. PRIOR TO CORING, DRILLING, CUTTING OR PERFORMING ANY BREAKING EFFORTS, PROVIDE PENETRATING FIELD X-RAYING OF THE INTENDED AREAS AND DOCUMENT THE EXACT SIZE AND LOCATIONS OF ALL SUCH INTERFERENCES. COORDINATE WITH AND OBTAIN VA/COR APPROVAL BEFORE PROCEEDING WITH ANY SUCH REQUIRED PENETRATIONS WORK.
27. THE GENERAL/PRIME CONTRACTOR IS RESPONSIBLE TO PROVIDE THE REMOVAL OF ALL CONSTRUCTION DEMOLITION DEBRIS, SPOIL AND MATERIALS FROM THE PROJECT SITE ON A DAILY BASIS UNLESS SPECIFICALLY REFERENCED OTHERWISE IN THE PROJECT SPECIFIC LOGISTICAL SEQUENCING REQUIREMENTS OR AS APPROVED BY THE VA/COR.
28. CONTRACTOR TO DO FINAL WALK - THROUGH WITH THE VA/COR PRIOR COMMENCING DEMOLITION. CONTRACTOR TO CONFIRM ITEMS, IF ANY, WHICH THE VA/COR WOULD LIKE DEMOLISHED AND DISCARDED/SALVAGED.

100% CONSTRUCTION DOCUMENTS	03/31/2022
100% CONSTRUCTION DOCUMENTS	02/17/2022
100% CONSTRUCTION DOCUMENTS	01/14/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
100% CONSTRUCTION DOCUMENTS	09/16/2021
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65% DESIGN DEVELOPMENT	7/29/2021
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Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD



700 Nicholas Blvd, Suite 300
 8th Grove Ridge, IL 60037
 T: 847.952.2362 F: 847.952.9403
 www.bancroft-ae.com
 VA CONTRACT NO. 36C26319D0044 Bancroft Project No. 18-121

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 VA U.S. Department of Veterans Affairs

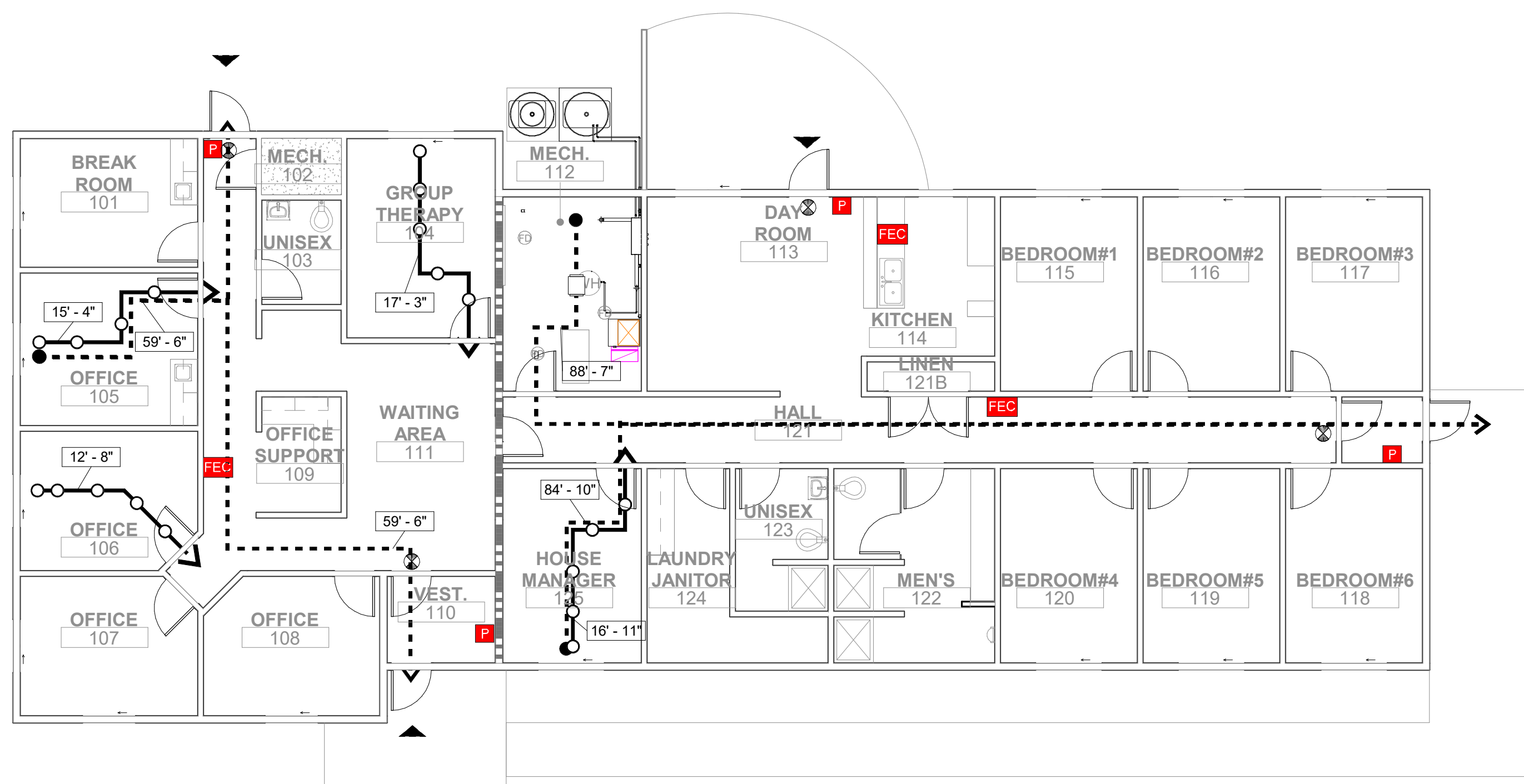
Drawing Title
 GENERAL - GENERAL DEMOLITION NOTES

Approved: Project Director

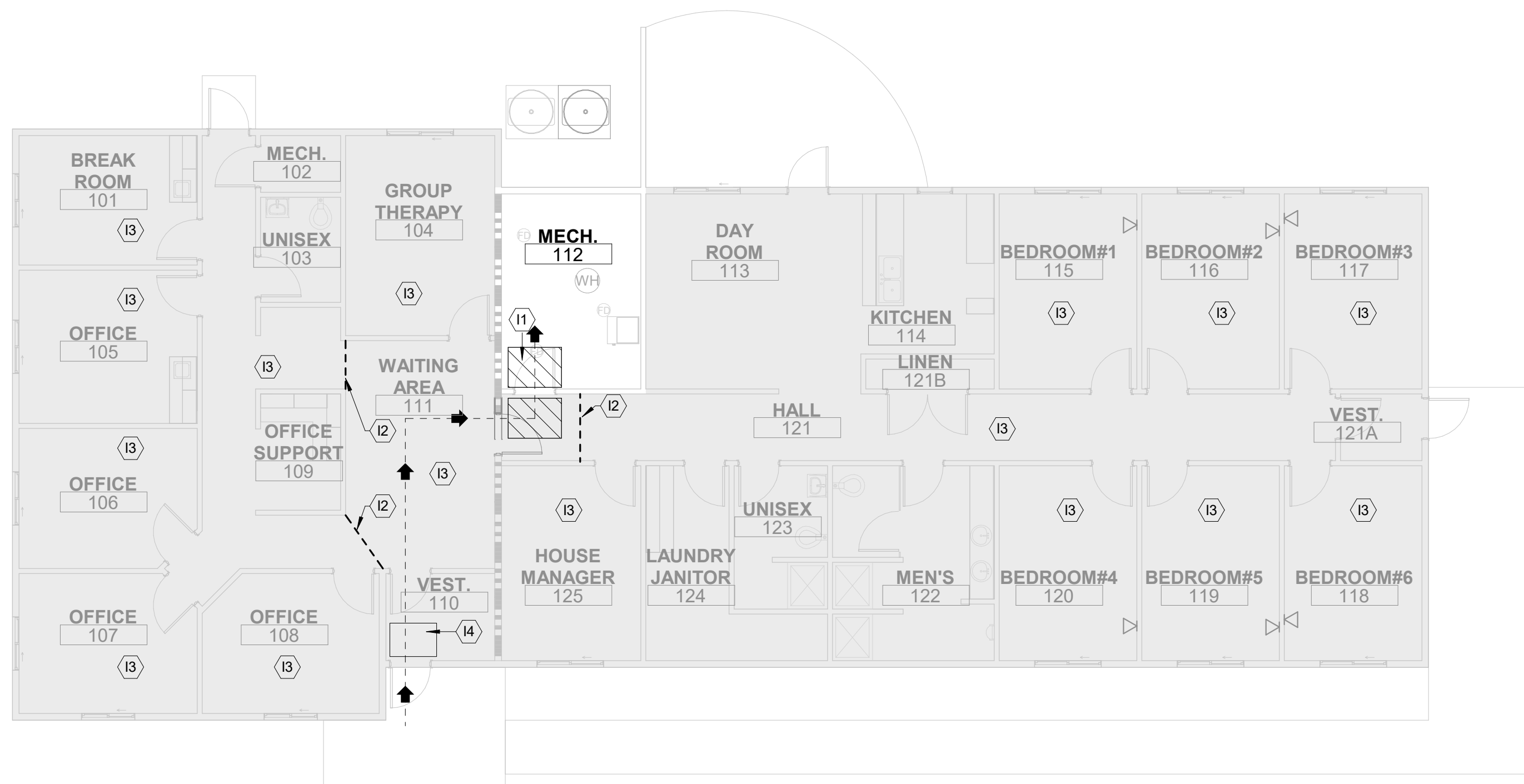
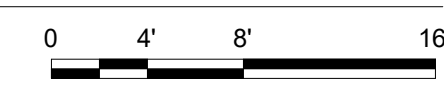
Phase
 100% CONSTRUCTION DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

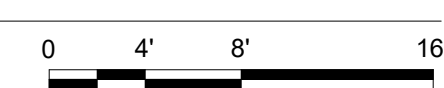
Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Location PINE RIDGE VA CLINIC	Building Number Pine Ridge Clinic
Issue Date 03/31/2022	Drawing Number GI002
Checked CZ	Drawn LD



1 CBQC LIFE SAFETY PLAN FIRST FLOOR
1/8" = 1'-0"



2 CBQC INFECTION CONTROL PLAN FIRST FLOOR
1/8" = 1'-0"



ADDITIONAL FORMS TO BE COMPLETED BY CONTRACTOR PRIOR TIME OF CONSTRUCTION

PROJECT:		LOCATION:		START DATE:	
Evaluated Item	YES	NO	Joint Commission ISLM Administrative Actions	If answer is "Yes", see actions required to be taken	Training/Review Date
Will any exit be obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	Ensuring unobstructed exits. When alternative exits have been designed, staff members in affected areas must receive additional training. Buildings or areas under construction must maintain escape routes for construction workers at all times, and the means of exiting construction areas are inspected daily.	Personnel in the building will receive training on alternate routes and exits	Date:
Will any entrance be obstructed to limit the access to emergency services?	<input type="checkbox"/>	<input type="checkbox"/>	Ensuring free and unobstructed access to emergency services and for fire, police, and other emergency forces.	The construction plans will be reviewed to ensure proper access and will be maintained	Date:
Will any fire detection or suppression system be impaired for > 8 hours in a 24 hour period?	<input type="checkbox"/>	<input type="checkbox"/>	Ensuring that the fire detection and suppression systems are in good working order. A temporary but equivalent system must be provided when any fire system is impaired. Temporary systems must be inspected and tested monthly.	Contractor will be briefed to schedule work to minimize time systems impaired and notify appropriate offices prior to system being impaired	Date:
Will construction be open to other areas without any smoke tight barriers?	<input type="checkbox"/>	<input type="checkbox"/>	Ensuring that temporary construction partitions are smoke tight and built of noncombustible or limited combustible materials that will not contribute to the development or spread of fire.	Contractor will be briefed at pre-construction conference of requirement	Date:
Will fire hazard be substantially higher?	<input type="checkbox"/>	<input type="checkbox"/>	Providing additional firefighting equipment and training staff in its use.	Contractor will be briefed at the pre-construction conference for the need to provide adequate firefighting equipment and training construction employees	Date:
Will smoking be permitted in construction areas?	<input type="checkbox"/>	<input type="checkbox"/>	Prohibiting smoking throughout the organization's buildings and in and near construction areas.	Refer to Fargo VA HCS Smoking Policy	Date:
Will storage, housekeeping and debris removal practices increase the fire load?	<input type="checkbox"/>	<input type="checkbox"/>	Developing and enforcing storage, housekeeping, and debris removal practices that reduce the building's flammable and combustible fire load to the lowest feasible level.	Contractor will be briefed at preconstruction conference of requirement	Date:

LIFE SAFETY PLAN SHEET NOTES

- A. SEE G002 FOR CODE AND BUILDING INFORMATION.
- B. CONTRACTOR SHALL DEVELOP A DAILY CHECK LIST FOR CONSTRUCTION OVERSIGHT COORDINATED WITH THE QUALITY ASSURANCE PLAN AND DOCUMENT PENDING ITEMS AS REQUIRED.

LIFE SAFETY PLAN LEGEND

- 2 HOUR FIRE & SMOKE SEPERATION
- FIRE EXTINGUISHER
- FIRE ALARM PULL BOX
- EXIT SIGN
- EXIT DISCHARGE
- EXIT ACCESS TRAVEL DISTANCE
- COMMON PATH OF EGRESS TRAVEL DISTANCE
-

INFECTION CONTROL PLAN SHEET NOTES

- NOTE: FOR ICRA CLASSIFICATION, NOTES AND DETAILS, SEE SHEET G102.
- A. PROJECT IS IDENTIFIED AS LOW PATIENT RISK GROUP, WITH A CLASS II LEVEL OF IC PRECAUTIONS - REFER TO SPECIFICATIONS
 - B. SUBMIT EMERGENCY PROCEDURES TO BE POSTED POST PCRA AND APPROPRIATE CONSTRUCTION SIGNAGE FOR LIMITED ACCESS AND PROPER PPE IN WORK AREA.
 - C. CONTRACTOR TO NOTIFY THE CBQC, COTR, POLICE AND SAFETY OFFICE IF A FEDERAL OR STATE REGULATOR ARRIVE ONSITE TO INSPECT JOBSITE.
 - D. NO EATING, DRINKING OR SMOKING ON THE JOBSITE.
 - E. G.C. TO SUPPLY A NEGATIVE PRESSURE MACHINE OF SUFFICIENT SIZE & QUANTITY TO ADEQUATELY HANDLE CONSTRUCTION AREAS.
 - F. ALL AREAS OF NEGATIVE AIR WILL BE CONTINUOUSLY MONITORED BY A TRIATEK MONITOR PER VA GUIDELINES.
 - G. CONTRACTOR WILL VERIFY AND TEST NEGATIVE AIR FLOW.
 - H. CONTRACTOR TO MAINTAIN A NEGATIVE AIR PRESSURE LOG.
 - I. ALL TEMPORARY CONSTRUCTION DOORS TO BE METAL, 1 HR. FIRE RATED, W/METAL FRAMES, CLOSERS AND SEALS.
 - J. ALL CONSTRUCTION ENTRANCES TO BE PROPERLY LABELED TO COMPLY WITH VA AND OSHA REQUIREMENTS.
 - K. CONTRACTOR TO PROVIDE 24" X 36" WALK OFF MATS AND CHANGE THEM AS NEEDED AT EACH ENTRANCE POINT.
 - L. CONTRACTOR TO PROVIDE HAND SANITIZERS AT ALL ENTRANCE POINTS.
 - M. CONTRACTOR TO SUPPLY SPILL KIT, TO INCLUDE SHOP VAC, MULTI PURPOSE SPILL CONTROL SORBENTS TO ABSORB NON AGGRESSIVE LIQUIDS UP TO 30 GALLONS.
 - N. ALL NEW CONSTRUCTION MATERIALS, TOOLS AND EQUIPMENT PASSING THROUGH THE CLINIC TO BE COVERED WITH 4 MIL. POLY SHEETS.
 - O. THE CONTRACTOR SHALL NOT BLOCK OR HINDER THE USE OF THE BUILDING BY PATIENTS, STAFF & VISITORS.
 - P. ALL MATERIALS AND EQUIPMENT MUST BE PROPERLY STORED IN DESIGNATED AREAS.
 - Q. ALL DEBRIS AND GARBAGE THAT IS TO BE REMOVED THROUGH THE CLINIC MUST BE CONTAINED IN DUMP CARTS DESIGNED FOR THAT PURPOSE AND MUST BE COVERED WITH A FULL COVER OR LID.
 - R. FLAMMABLE MATERIALS MAY NOT BE STORED IN BUILDINGS.
 - S. COORDINATION OF PROPANE WATER HEATER DOWN TIME TO MAINTAIN NEGATIVE PRESSURE SHALL BE COORDINATED WITH THE COR.
 - T. CONTRACTOR SHALL HAVE THE HEPA FILTER REPLACED AT THE START OF THE PROJECT AND CHANGE WITH NEW MONTHLY.

INFECTION CONTROL PLAN LEGEND

- MATERIAL DELIVERY/DEBRIS REMOVAL ROUTE FROM CONSTRUCTION TO EXIT DISCHARGE
- CONSTRUCTION BARRIER
- WALK-OFF MAT

INFECTION CONTROL KEYNOTES

- 11. PROVIDE WALK OFF MAT(S).SEE DETAILS AT SHEET G102. INSTALL/REMOVE PLASTIC BARRIERS ON DAILY BASIS SO NOT TO OBSTRUCT DAILY ACTIVITIES.
- 12. PROVIDE 6 MIL HEAVY-DUTY, REINFORCED, FIRE-RETARDANT, POLY SHEETING(VISQUEEN) WITH ZIPPER. PLASTIC SHEET SHALL BE FULLY SEALED AT PERIMETER.
- 13. OUTSIDE OF MAIN AREA OF WORK MECHANICAL ROOM 112, WHERE SELECTIVE DEMOLITION AND NEW CONSTRUCTION OCCURS, PROTECT EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO, FLOORING, WALLS, CEILING TILES, WALL-MOUNTED ITEMS. PROTECT ANY FURNITURE AND EQUIPMENT WITH POLY SHEETING. CLEAN ANY DUST/DEBRIS AFTER CONSTRUCTION ACTIVITIES. BRING TO A MOP CLEAN LEVEL.
- 14. PROVIDE WALK-OFF MAT.

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title		Project Number	
EHRM INFRASTRUCTURE UPGRADES		568A4-21-703	
Building Number		Pine Ridge Clinic	
Drawing Number		G101	
Location			
PINE RIDGE VA CLINIC			
Issue Date	Checked	Drawn	
03/31/2022	CZ	LD	

100% CONSTRUCTION DOCUMENTS	03/31/2022
100% CONSTRUCTION DOCUMENTS	02/17/2022
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Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044
Bancroft Project No. 18-121

700 Nicholas Blvd, Suite 300
Ft. Grove Village, IL 60207
T:847.952.2362 F:847.952.9403
www.bancroft-ae.com

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
GENERAL - LIFE SAFETY AND INFECTION CONTROL PLANS - FIRST FLOOR

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

A

B

C

D

E

F

A

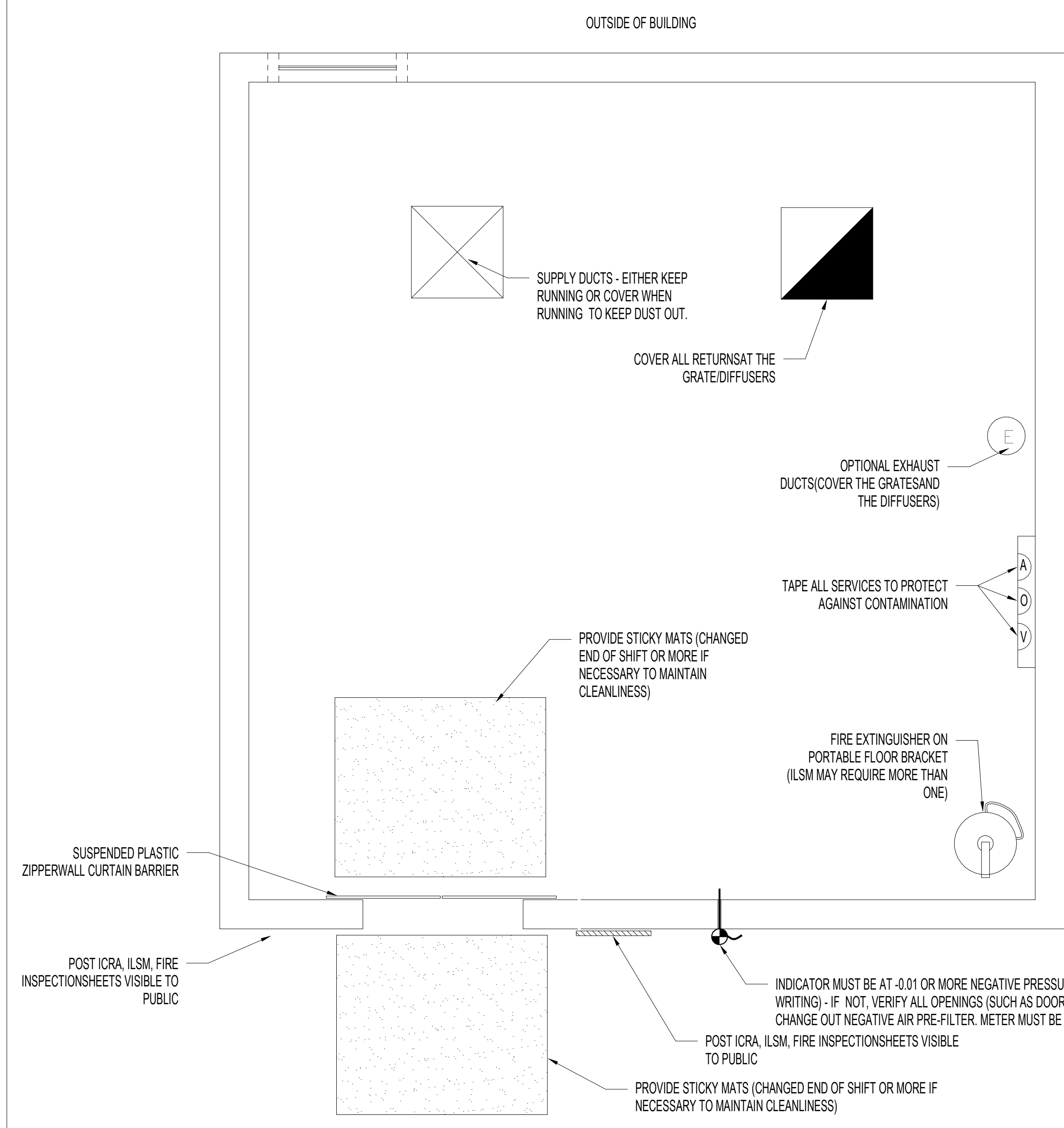
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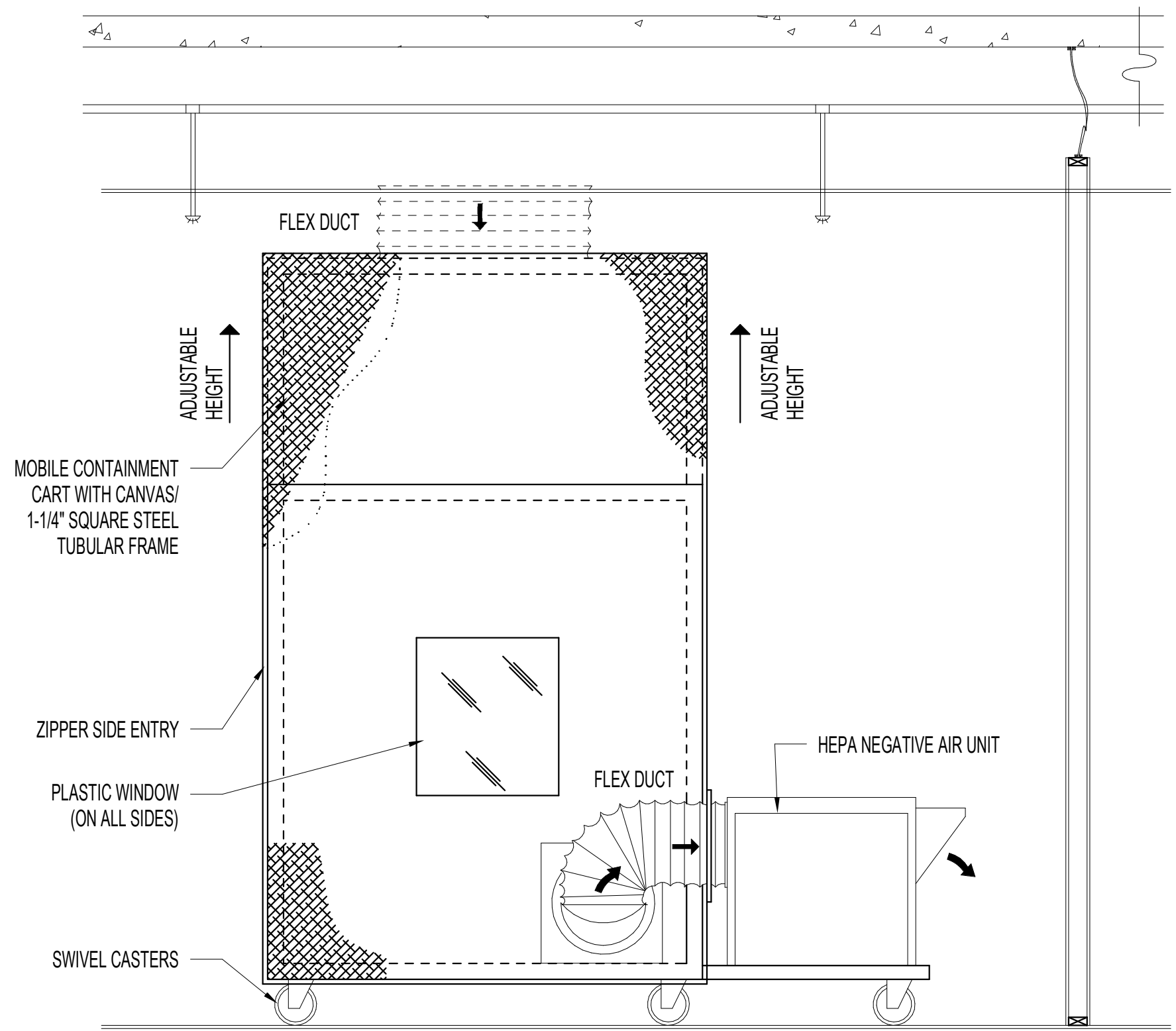
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TYPICAL IDEAL CONSTRUCTION LAYOUT CLASS II
SCALE: 1/2" = 1'-0"



MOBILE CONTAINMENT CART
(CONSTRUCTION BARRIER TYPES)
SCALE: 1/2" = 1'-0"

NOTE:
USE OF MOBILE CONTAINMENT CART OUTSIDE OF THE SCOPE OF WORK AREAS SHALL BE APPROVED BY THE VA COR.
One (1) HEPA cart shall be purchased and utilized by the contractor on this project in the scenario the contractor can not maintain a continual clean environment. Once the construction is completed, the HEPA cart shall be delivered to the Hot Springs VA, and become the property of the VA. The specific Hot Springs VA room delivery location shall be determined by the COR.
Portable Containment Cart Basis of Design: HEPA-CART Inc. Infection Control Technologies, HEPA-CART HC. Adjustable enclosure with self-contained HEPA filtered negative air machine for work in the VA Pine Ridge Clinic environment outside of the Containment Area. Constructed from heavy-duty aluminum housing with a fully boxed aluminum frame, caster assembly, adjustable enclosure, and adjustable top frame to accommodate variabilities in ceiling height. Provide white 530CFM ceiling interface to create a proper seal without damaging or marking ceiling. Furnish with minimum two inspection locking door with work order/permit holder, factory certified self-contained 99.99% HEPA-filtered negative air machine capable of 530CFM outfit with controls from inside and outside, LED lighting package, and manometer.

CONSTRUCTION PROJECT TYPES

TYPE A MINIMAL FIRE RISK	INSPECTION AND NON-INVASIVE ACTIVITIES. INCLUDES, BUT IS NOT LIMITED TO: - REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET. - PAINTING (BUT NOT SANDING). - WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION. - REMOVAL OF FLOOR TILE LESS THAN 25 SQUARE FEET, NON-ACM AND NO GRINDING OR DUST GENERATING ACTIVITIES.
TYPE B LIMITED FIRE RISK	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST. INCLUDES, BUT IS NOT LIMITED TO: - INSTALLATION OF TELEPHONE AND COMPUTER CABLING. - ACCESS TO CHASE SPACES. - CUTTING OF WALLS OR CEILING WHERE DUST MIGRATION CAN BE CONTROLLED.
TYPE C MODERATE FIRE RISK	WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO: - SANDING OF WALLS FOR PAINTING OR WALL COVERING. - REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASEWORK. - NEW CONSTRUCTION OR RENOVATIONS OVER 3 DAYS DURATION. - MAJOR DUCT WORK, PLUMBING, PIPING, OR ELECTRICAL WORK. - SOLDERING OR BRAZING OPERATIONS. - ANY ACTIVITY THAT REQUIRES A BURN PERMIT.
TYPE D SIGNIFICANT FIRE RISK	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS. INCLUDES, BUT IS NOT LIMITED TO: - ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS. - REQUIRES HEAVY DEMOLITION OR REMOVAL OF A COMPLETE BUILDING SYSTEM. - NEW CONSTRUCTION OR RENOVATIONS OVER 3 DAYS DURATION.

PATIENT RISK GROUPS

LOW RISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK
<ul style="list-style-type: none"> OFFICE AREAS 	<ul style="list-style-type: none"> CARDIOLOGY ECHOCARDIOGRAPHY ENDOSCOPY NUCLEAR MEDICINE PHYSICAL THERAPY RADIOLOGY/MRI RESPIRATORY THERAPY 	<ul style="list-style-type: none"> CCU EMERGENCY ROOM LABOR & DELIVERY LABORATORY (SPECIMEN) NEWBORN NURSERY OUTPATIENT SURGERY PEDIATRICS PHARMACY POST ANESTHESIA CARE UNIT SURGICAL UNITS 	<ul style="list-style-type: none"> ANY AREA CARING FOR IMMUNOCOMPROMISED PATIENTS BURN UNIT CARDIAC CATH LAB CENTRAL STERILE SUPPLY INTENSIVE CARE UNITS MEDICAL UNIT NEGATIVE PRESSURE ISOLATION ROOMS ONCOLOGY OPERATING ROOMS INCLUDING C-SECTION ROOMS

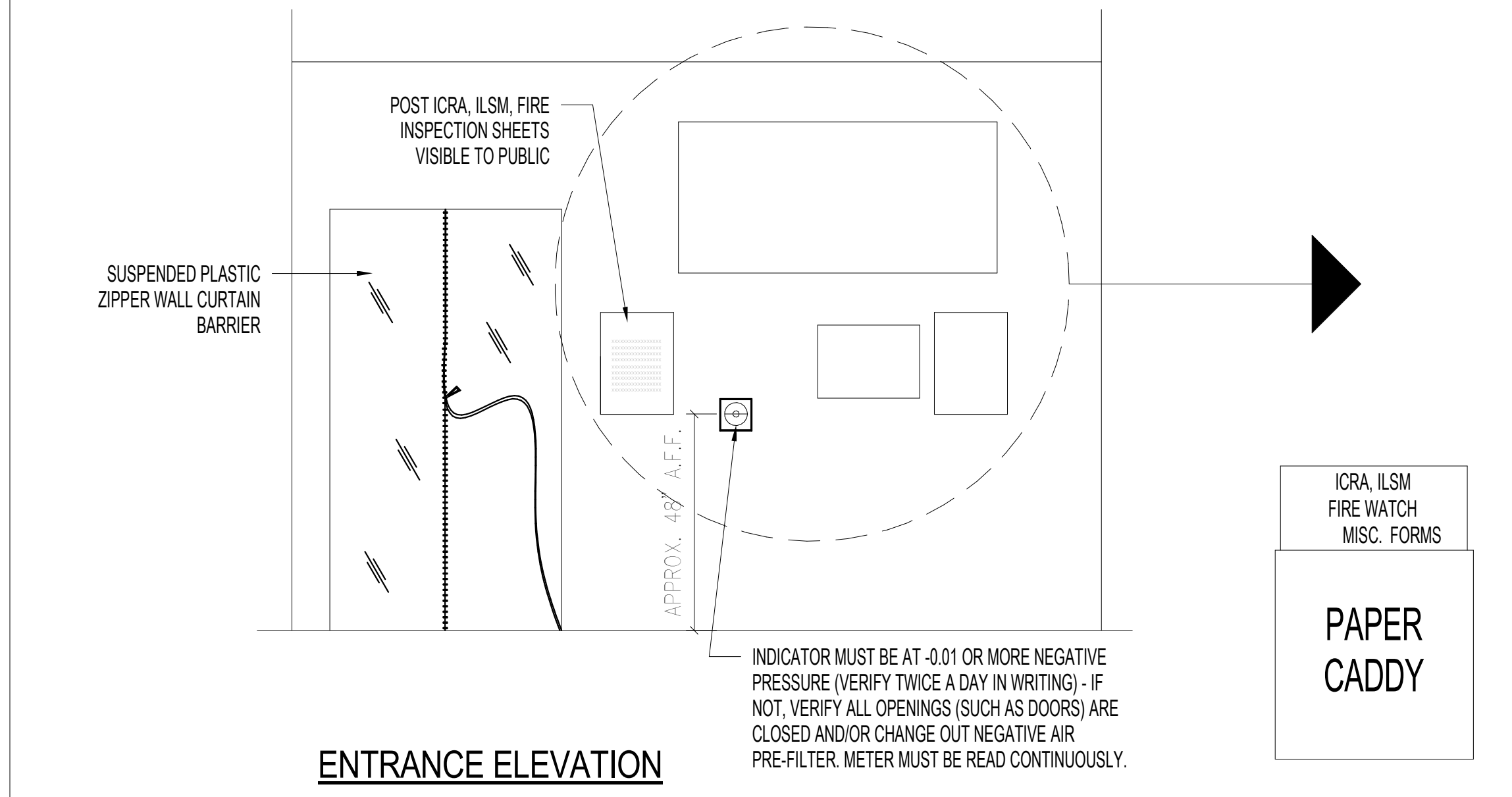
IC MATRIX - CLASS OF PRECAUTIONS: CONSTRUCTION PROJECT BY PATIENT RISK BY CONSTRUCTION PROJECT TYPE

RISK RELATED GROUP	TYPE A	TYPE B	TYPE C	TYPE D
LOW RISK GROUP	I	II	II	III/IV
MEDIUM RISK GROUP	I	II	III	IV
HIGH RISK GROUP	I	II	III/IV	IV
HIGHEST RISK GROUP	II	III/IV	III/IV	IV

NOTE:
INFECTION CONTROL APPROVAL WILL BE REQUIRED WHEN THE CONSTRUCTION ACTIVITY AND RISK LEVEL INDICATE THAT CLASS III OR CLASS IV CONTROL PROCEDURES ARE NECESSARY.

- GENERAL NOTES**
- ALL PERSONNEL ENTERING THE CONSTRUCTION SITE AREA MUST WEAR A HARD HAT AND SAFETY GLASSES ALONG WITH ANY OTHER PPE REQUIRED IN THAT AREA.
 - ALL APPLICABLE FORMS TO BE COMPLETED AND APPROVED PRIOR TO STARTING WORK.
 - PERMITS TO INCLUDE:
ICRA, ILSM, ABOVE CEILING, FIRE SPRINKLER SYSTEM, MEDICAL GASES, UTILITY SHUT-DOWN, FIRE/SMOKE WALL, FIRE ALARM SYSTEM, HOT WORK.
 - THE CONSTRUCTION AREA MUST MAINTAIN A NEGATIVE PRESSURE VENTILATION. NEGATIVE PRESSURE MACHINES MUST BE ON AND OPERATIONAL 24/7. NEGATIVE AIR UNIT TO BE MAINTAINED WITH FILTER(S) REPLACEMENT PER SPECIFICATIONS. (WEEKLY REPLACEMENT OF PRE-FILTER OR AS NECESSARY. HEPA FILTER REPLACED MONTHLY. CONSTRUCTION CLASS WILL BE DETERMINED BY THE CONSTRUCTION SAFETY COMMITTEE.
 - DURING CONSTRUCTION BE CERTAIN THAT:
BARRIERS ARE INTACT AND VERIFY THAT THEY ARE BEING MAINTAINED.
PARTIAL COUNT METER IS AVAILABLE.
NEGATIVE INDICATOR IS AVAILABLE.
ICRA REQUIREMENTS ARE INTACT AND VERIFY ARE BEING MAINTAINED.

- CLASS II WORK ITEM NOTES**
- PRIOR TO ANY CONSTRUCTION**
- PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO ATMOSPHERE.
 - WATER MUST WORK SURFACES TO CONTROL DUST WHILE CUTTING.
 - SEAL UNUSED DOORS WITH DUCT TAPE.
 - BLOCK OFF AND SEAL AIR VENTS.
 - PLACE DUST MAT AT ENTRANCE AND EXIT WORK AREAS.
 - REMOVE OR ISOLATE H.V.A.C. SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
- POST CONSTRUCTION**
- WIPE WORK SURFACES WITH DISINFECTANT.
 - CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
 - WET MOP AND OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.
 - REMOVE ISOLATION OF H.V.A.C. SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.



ENTRANCE ELEVATION

SIMILAR, ELEVATION MAY VARY PER LOCATION. AT CORRIDORS PROVIDE 6 MIL HEAVY-DUTY, REINFORCED, FIRE-RETARDANT, POLY SHEETING (VISQUEEN) WITH ZIPPER. PLASTIC SHEET SHALL BE FULLY SEALED AT PERIMETER.

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THIS IS A RESTRICTED AREA AREA UNDER CONSTRUCTION
PERSONNEL ENTERING MUST HAVE: HARD HAT, SAFETY GLASSES AND PROPER I.D.
COMING SOON!!!
(DESCRIPTION OF NEWLY PROPOSED OCCUPANCY)

ICRA, ILSM
FIRE WATCH
MISC. FORMS

PAPER CADDY

INDICATOR (REFER TO PLAN & ELEVATION)

FRAMED PICTURE OF C.O.R. WITH CONTACT INFORMATION. CONST. SUPERVISOR NAME AND CELL PHONE.

FACILITY AFTER HOURS CALL (VA PROVIDE PHONE #) HOUSE PHONE (VA PROVIDED) FIRE EMERGENCY DIAL 911

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Bancroft

BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044

700 Nicholas Blvd, Suite 300
Ft. Grove Village, IL 60037
T: 847.652.2362 F: 847.952.9403
www.bancroft-ae.com
Bancroft Project No. 18-121

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

GENERAL - INFECTION CONTROL NOTES AND DETAILS

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title: EHRM INFRASTRUCTURE UPGRADES

Project Number: 568A4-21-703

Building Number: Pine Ridge Clinic

Location: PINE RIDGE VA CLINIC

Issue Date: 03/31/2022

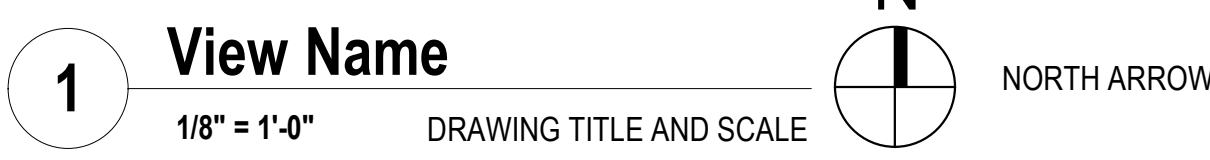
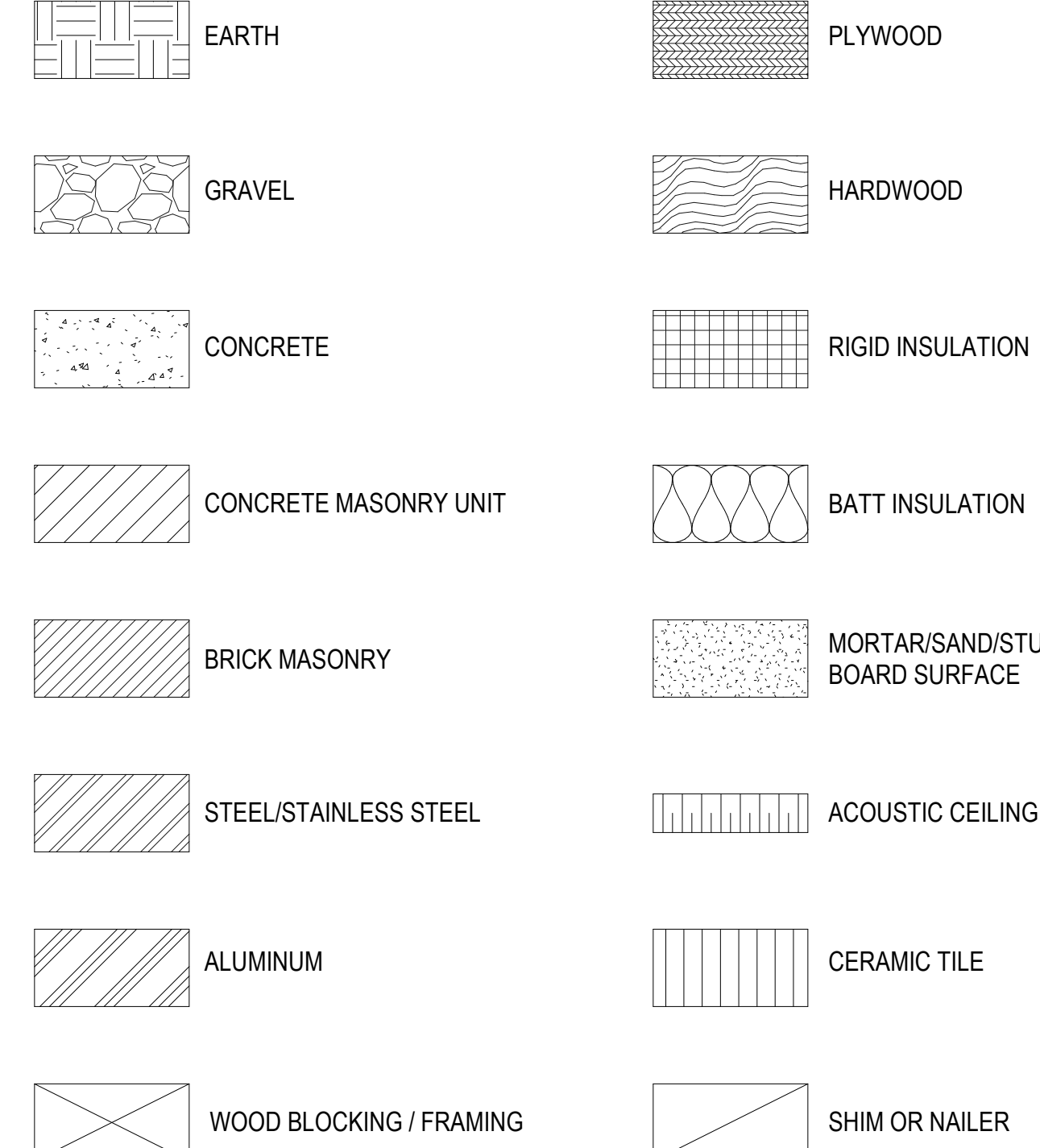
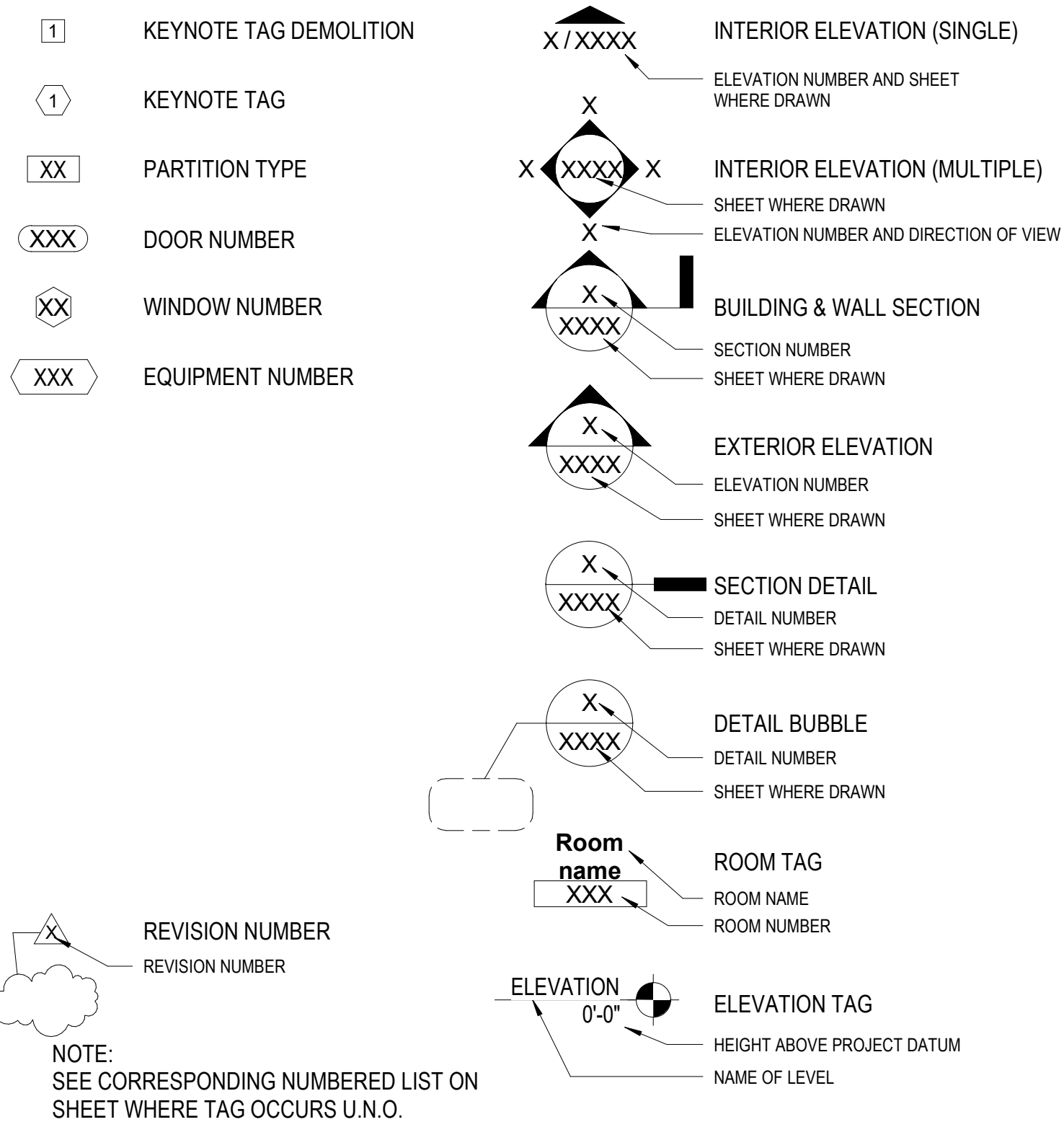
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Drawn: LD

Drawing Number: G102

GRAPHIC SYMBOLS

MATERIAL INDICATIONS



ARCHITECTURAL ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	E	EAST	L	LAMINATE	R	RADIUS
ADJ	ADJACENT	EA	EACH	LAM	LAMINATE	RB	RESILIENT BASE
AFF	ABOVE FINISH FLOOR	EJ	EXPANSION JOINT	LAV	LAVATORY	RCP	REFLECTED CEILING PLAN
AHU	AIR HANDLING UNIT	EL	ELEVATION	LED	LIGHT EMITTING DIODE	REC	RECESSED
ALT	ALTERNATE	EL	ELEVATION	LF	LINEAR FEET (FOOT)	RECP	RECEPTACLE
ALUM	ALUMINUM	ELEC	ELECTRICAL	LL	LEAD LINED	REINF	REINFORCED
APPROX	APPROXIMATE	ELEV	ELEVATOR	LT	LT	REQD	REQUIRED
AR	AS REQUIRED	ENCL	ENCLOSURE	M	MATERIAL	RM	ROOM
AUTO	AUTOMATIC	EQ	EQUAL	MATL	MATERIAL	RO	ROUGH OPENING
AUX	AUXILIARY	EWC	ELECTRIC WATER COOLER	MAX	MAXIMUM	S	SOUTH
AV	AUDIO VISUAL	EXH	EXHAUST	MECH	MECHANICAL	S	SOUTH
AVG	AVERAGE	EXIST	EXISTING	MFR	MANUFACTURER	SAN	SANITARY
		EXP	EXPOSED	MIN	MINIMUM	SCHED	SCHEDULE
		EXT	EXTERIOR	MISC	MISCELLANEOUS	SF	SQUARE FOOT (FEET)
				MLWK	MILLWORK	SHT	SHEET
				MO	MASONRY OPENING	SIM	SIMILAR
				MR	MOISTURE RESISTANT	SPEC	SPECIFICATION
				MTD	MOUNTED	SPKLR	SPRINKLER
				MTG	MOUNTING	SPKR	SPEAKER
				MTL	METAL	SQ	SQUARE
						SS	STAINLESS STEEL
						STD	STANDARD
						STL	STEEL
						STOR	STORAGE
						SUSP	SUSPEND
						SV	SHEET VINYL
						T	TOUNGE AND GROOVE
						T&G	TOUNGE AND GROOVE
						TEMP	TEMPERED
						TERR	TERRAZZO
						THK	THICK
						TO	TOP OF
						TSTAT	THERMOSTAT
						TYP	TYPICAL
						U	UNLESS NOTED OTHERWISE
						UNO	UNLESS NOTED OTHERWISE
						V	VARIES
						VAR	VARIES
						VC	VA SUPPLIED, CONTRACTOR INSTALLED
						VCT	VINYL COMPOSITION TILE
						VENT	VENTILATION
						VIF	VERIFY IN FIELD
						VOL	VOLUME
						VV	VA SUPPLIED & INSTALLED
						VWC	VINYL WALL COVERING
						W	WEST
						W	WEST
						W	WITH
						WO	WITHOUT
						WC	WALL COVERING
						WD	WOOD
						WDW	WINDOW
						WDM	WELDED WIRE FABRIC
						WWM	WELDED WIRE FABRIC

NOT ALL ABBREVIATIONS, SYMBOLS AND STANDARD MOUNTING HEIGHTS MAY BE APPLICABLE TO THIS PROJECT. INFORMATION ON THIS SHEET IS FOR GENERAL INFORMATION.

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Bancroft

700 Nicholas Blvd, Suite 300
 EA, Grove Village, IL 60037
 T: 847.552.2342 F: 847.955.9403
 www.bancroft-ae.com
 Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ARCHITECTURAL - SYMBOLS, ABBREVIATIONS AND TYPICAL MOUNTING HEIGHTS

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

Checked
CZ

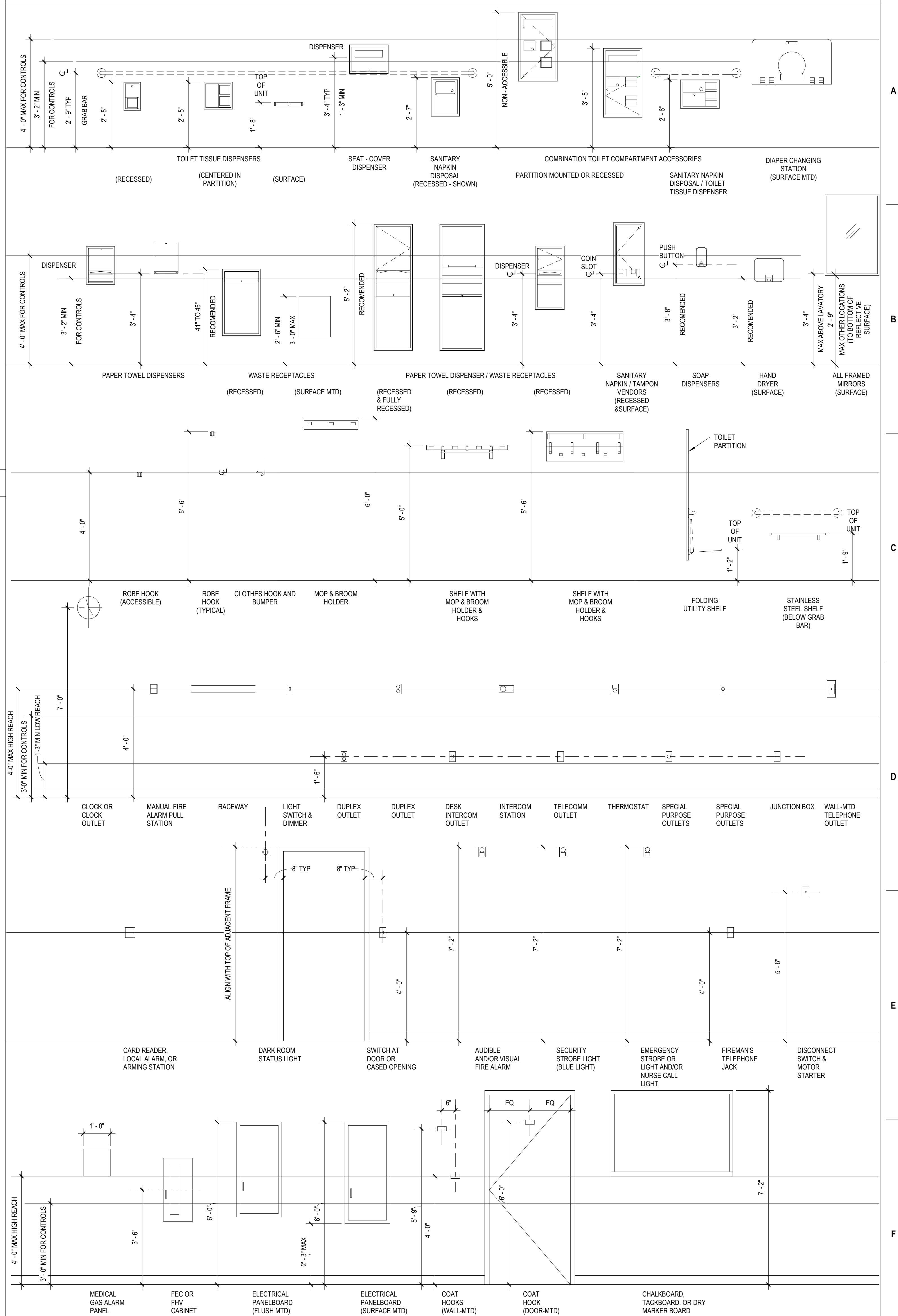
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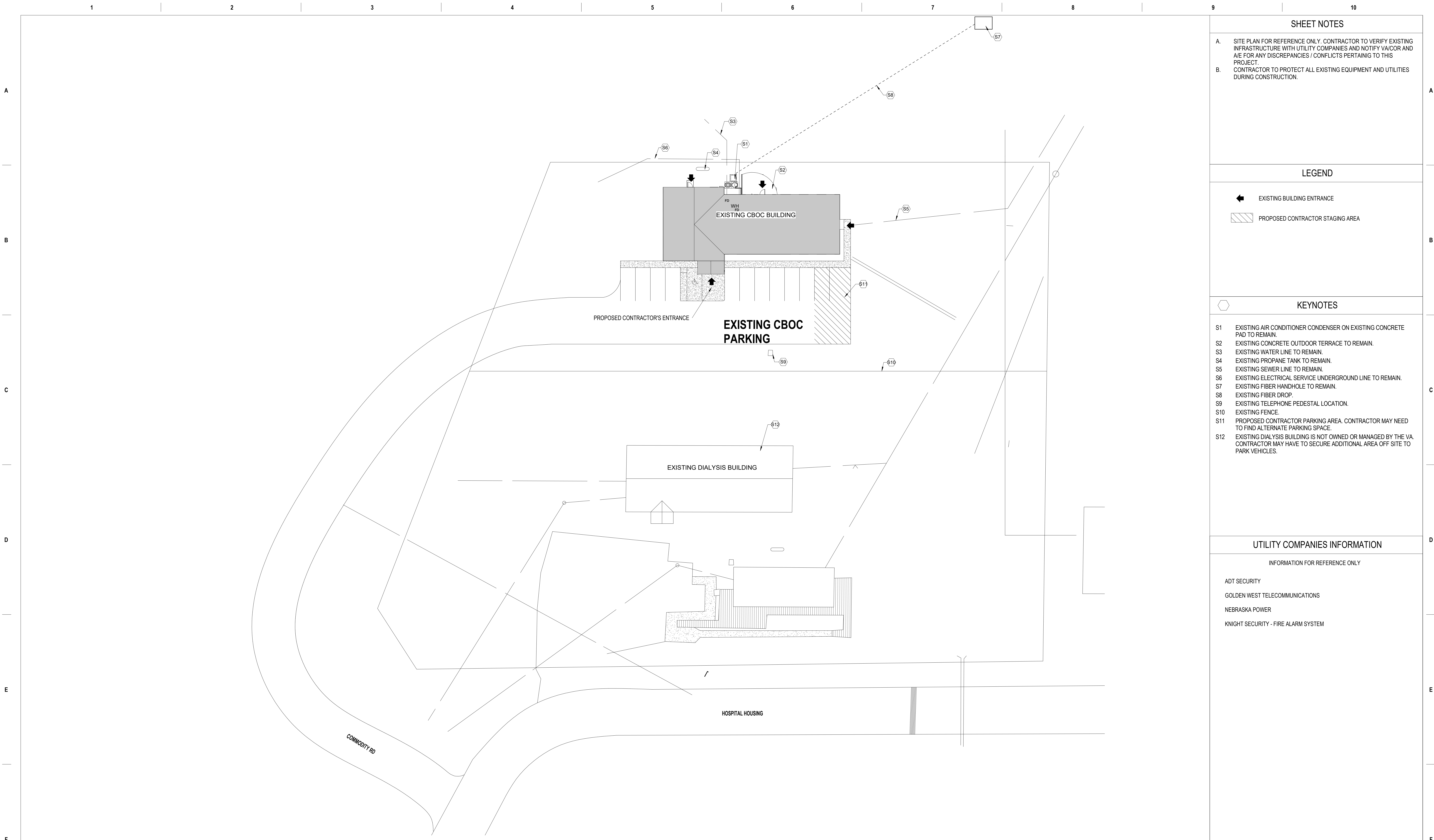
Project Number
568A4-21-703

Building Number
Pine Ridge Clinic

Drawing Number
A001

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SHEET NOTES

- A. SITE PLAN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY EXISTING INFRASTRUCTURE WITH UTILITY COMPANIES AND NOTIFY VA/COR AND A/E FOR ANY DISCREPANCIES / CONFLICTS PERTAINING TO THIS PROJECT.
- B. CONTRACTOR TO PROTECT ALL EXISTING EQUIPMENT AND UTILITIES DURING CONSTRUCTION.

LEGEND

- ➔ EXISTING BUILDING ENTRANCE
- ▨ PROPOSED CONTRACTOR STAGING AREA

KEYNOTES

- S1 EXISTING AIR CONDITIONER CONDENSER ON EXISTING CONCRETE PAD TO REMAIN.
- S2 EXISTING CONCRETE OUTDOOR TERRACE TO REMAIN.
- S3 EXISTING WATER LINE TO REMAIN.
- S4 EXISTING PROPANE TANK TO REMAIN.
- S5 EXISTING SEWER LINE TO REMAIN.
- S6 EXISTING ELECTRICAL SERVICE UNDERGROUND LINE TO REMAIN.
- S7 EXISTING FIBER HANDHOLE TO REMAIN.
- S8 EXISTING FIBER DROP.
- S9 EXISTING TELEPHONE PEDESTAL LOCATION.
- S10 EXISTING FENCE.
- S11 PROPOSED CONTRACTOR PARKING AREA. CONTRACTOR MAY NEED TO FIND ALTERNATE PARKING SPACE.
- S12 EXISTING DIALYSIS BUILDING IS NOT OWNED OR MANAGED BY THE VA. CONTRACTOR MAY HAVE TO SECURE ADDITIONAL AREA OFF SITE TO PARK VEHICLES.

UTILITY COMPANIES INFORMATION

INFORMATION FOR REFERENCE ONLY

- ADT SECURITY
- GOLDEN WEST TELECOMMUNICATIONS
- NEBRASKA POWER
- KNIGHT SECURITY - FIRE ALARM SYSTEM

1 CBOC SITE PLAN-FOR REFERENCE ONLY
3/64" = 1'-0"

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700 Nicholas Blvd, Suite 300
Eh, Grove Village, IL 60007
T:847.952.9362 F:847.952.9403

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ARCHITECTURAL - CBOC SITE PLAN

Approved: Project Director

Phase
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Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

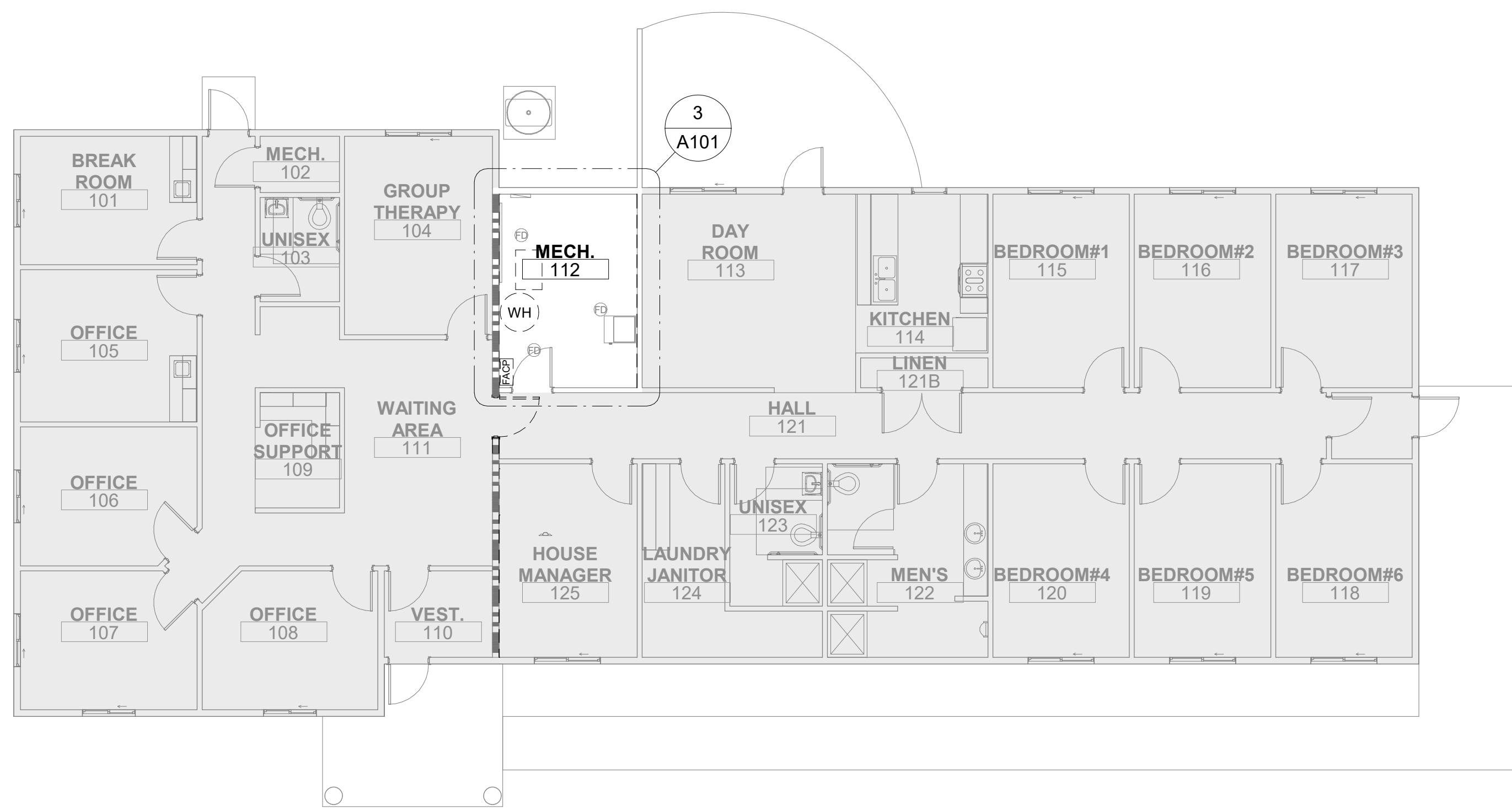
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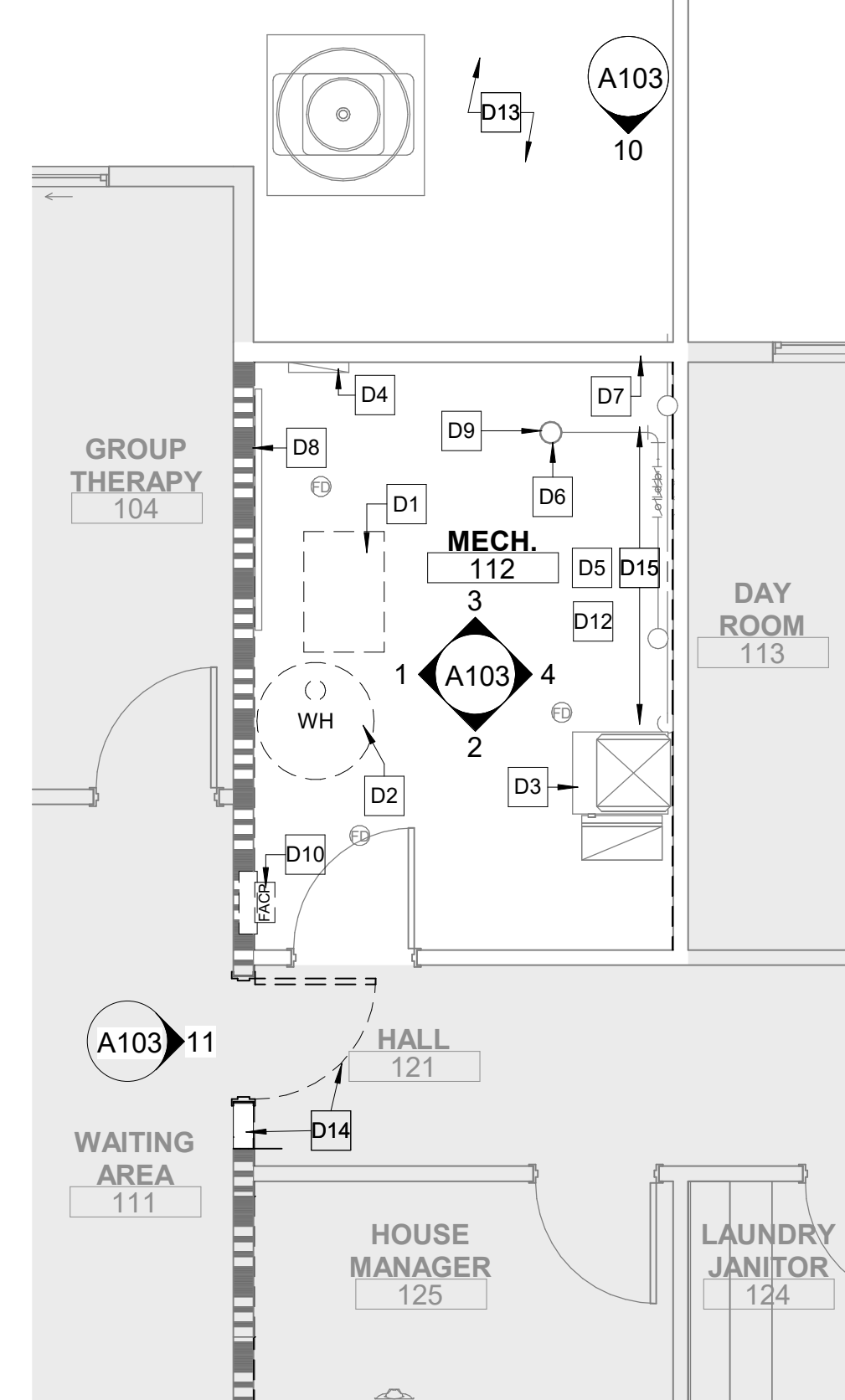
Project Number
568A4-21-703

Building Number
Pine Ridge Clinic

Drawing Number
A100



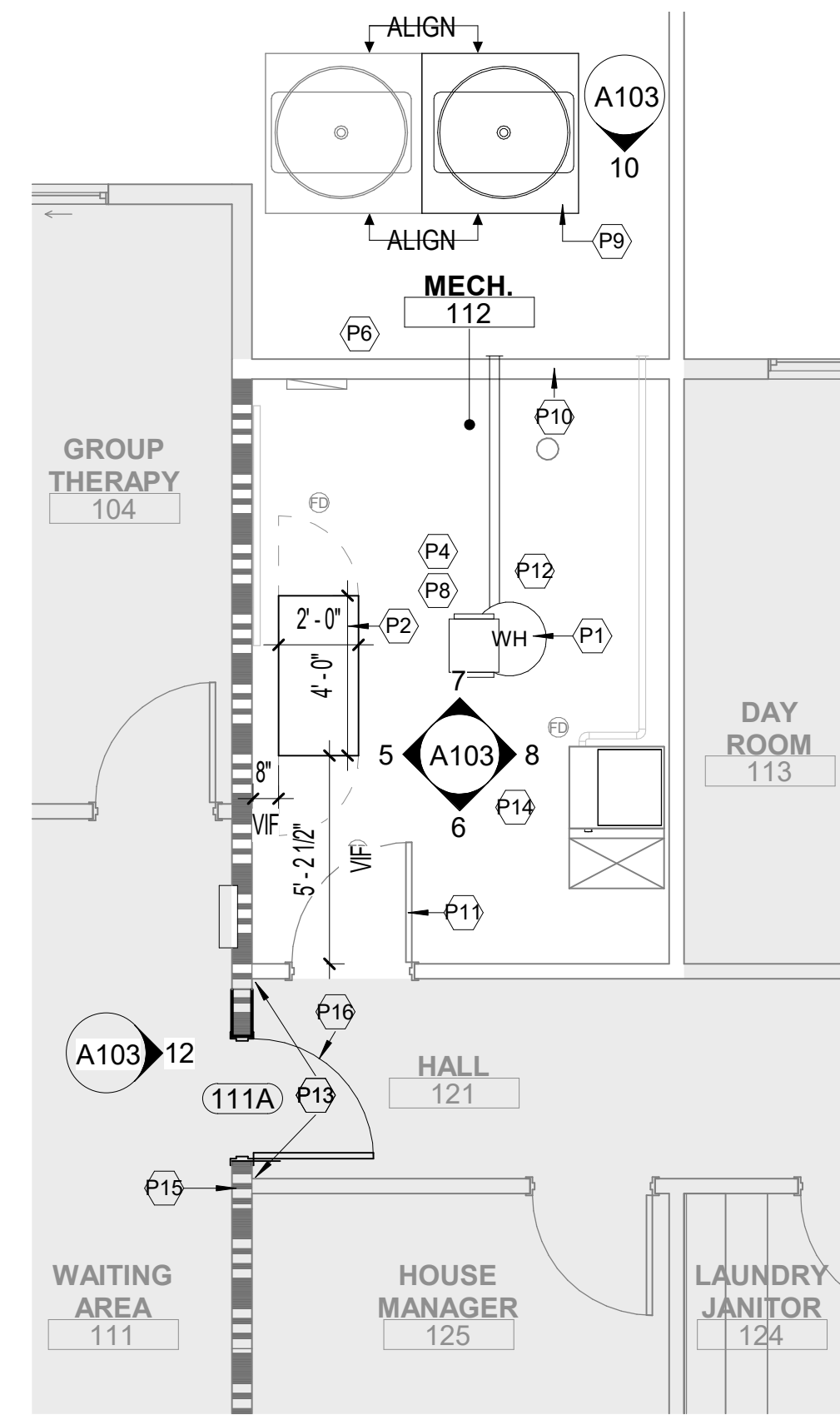
1 DEMOLITION FIRST FLOOR
1/8" = 1'-0"



3 DEMOLITION ENLARGED PLAN
1/4" = 1'-0"



2 CONSTRUCTION FIRST FLOOR
1/8" = 1'-0"



4 CONSTRUCTION ENLARGED PLAN
1/4" = 1'-0"

DEMOLITION SHEET NOTES

- A. SEE G1001 AND G1002 FOR GENERAL AND DEMOLITION NOTES.
- B. SEE A001 FOR ARCHITECTURAL SYMBOLS AND ABBREVIATIONS.
- C. WHERE EXISTING CONSTRUCTION IS INDICATED TO BE REMOVED, REMOVE ALL MOUNTED ACCESSORIES, PATCH ABUTTING WALLS, FLOORS, CEILINGS, AND ROOF AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. REMOVE EXISTING ITEMS SCHEDULED TO REMAIN NECESSARY TO ALLOW THE COMPLETE DEMOLITION WORK. REPAIR/REPLACE SUCH ITEMS ONCE DEMOLITION IS COMPLETED.
- D. SEE ME/PFP AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THAT MAY BE REQUIRED THROUGH EXISTING PARTITIONS AND WALLS INDICATED TO REMAIN. PROVIDE SHOP DRAWINGS FOR COORDINATION.

DEMOLITION KEYNOTES

- D1. VA OIT TO DISCONNECT AND REMOVE EXISTING IT EQUIPMENT AFTER NEW IT INFRASTRUCTURE IS IN PLACE. SEE TECHNOLOGY AND ELECTRICAL DRAWINGS FOR SCOPE OF WORK. COORDINATE WITH THE VA/OCR SO THAT THERE ARE NO INTERRUPTIONS OF SERVICES.
- D2. DISCONNECT AND REMOVE EXISTING WATER HEATER. COORDINATE WITH COR TO MINIMIZE IMPACT ON FACILITY. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
- D3. EXISTING GAS FURNACE TO REMAIN.
- D4. EXISTING ELECTRICAL SERVICE PANEL TO REMAIN.
- D5. EXISTING FLOOR DRAINS IN ROOM TO REMAIN.
- D6. EXISTING FIRE PROTECTION RISER TO REMAIN.
- D7. EXISTING GAS SERVICE TO REMAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- D8. EXISTING TELECOM PANEL TO REMAIN. SEE TECHNOLOGY AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- D9. EXISTING MAIN WATER SERVICE TO REMAIN.
- D10. EXISTING FIRE ALARM CONTROL PANEL TO BE RELOCATED. SEE FIRE PROTECTION DRAWINGS FOR SCOPE OF WORK. PATCH AND PAINT EXISTING WALL AFTER DEMOLITION, AS NEEDED.
- D12. REMOVE EXISTING VINYL BASE IN MECHANICAL ROOM 112 ON ALL WALLS.
- D13. REMOVE EXISTING TOP SOIL TO ACCOMMODATE NEW CONCRETE PAD FOR NEW MECHANICAL EQUIPMENT. PREP THE SITE FOR THE NEW CONCRETE EQUIPMENT PAD.
- D14. REMOVE EXISTING DOOR, FRAME AND SALVAGE EXISTING HARDWARE FOR REUSE. DEMOLISH PORTION OF EXISTING WALL AND WALL BASE TO ACCOMMODATE NEW WALL OPENING. FRAME NEW DOOR OPENING.
- D15. PARTIAL DEMOLITION OF EXHAUST DUCT ABOVE. CAP EXISTING DUCT NEAR THE EXISTING EXTERIOR WALL. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.

CONSTRUCTION SHEET NOTES

- A. SEE G1001 AND G1002 FOR GENERAL AND DEMOLITION NOTES.
- B. SEE A001 FOR ARCHITECTURAL SYMBOLS AND ABBREVIATIONS.
- C. REVIEW DRAWINGS IN CONJUNCTION WITH APPLICABLE CORRESPONDING ME/PFP DRAWINGS FOR FULL SCOPE OF WORK.
- D. ALL DIMENSIONS ARE TO THE FINISHED FACE UNLESS OTHERWISE NOTED.
- E. NEW SUBSURFACE FLOOR PREPARATION: THE EXISTING CONCRETE FLOOR SUB-SURFACES RESULTING FROM THE REMOVAL OF OLD FLOOR FINISHES (I.E. CERAMIC TILE, VCT, MASTICS, VINYL SHEETS, ABATEMENTS, CARPETING, ETC.) OR GONG OVER CONCRETE FLOOR REPAIRS OR INFILLS SHALL BE ENTIRELY SKIM COATED TO A SMOOTH AND LEVEL FINISH, TO BE LEVEL WITH ALL ADJACENT FLOOR SURFACES REQUIRING EXISTING FLOOR FINISH REMOVALS AND/OR NEW FLOOR FINISHES, SUCH THAT THE FINAL FINISHED FLOORS ARE SMOOTH AND LEVEL AND HAVE FINISH TRANSITIONS AS SHOWN AND INTENDED. FOR BIDDING PURPOSES, FLOOR SKIM COATING SHALL BE FIGURED AT 1/4" THICKNESS AVERAGE.
- F. INFILL ANY VOIDS IN CONCRETE FLOOR LEFT BY DEMOLITION OF PLUMBING LINES.
- G. SEAL/FIRESTOP ALL OPENINGS IN ALL FIRE-RATED WALLS TO CREATE A CONTINUOUS SYSTEM. THIS INCLUDES ALL EXPOSED CONDUIT AND PIPING.
- H. EACH PARTITION NOTED TO CARRY AN ACOUSTIC RATING SHALL CARRY THAT RATING IN THE ENTIRETY OF ITS CONSTRUCTION TO CREATE A CONTINUOUS SYSTEM. THIS INCLUDES PLACEMENT AND SEALING OF PENETRATIONS, JUNCTION BOXES, ETC. U.N.O. PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE AND ACCOMMODATE ITS PROFILE.
- I. PATCH ALL ABANDONED OPENINGS IN EXISTING STRUCTURE, WHETHER CREATED OR DISCONNECTED IN THE COURSE OF CONSTRUCTION. WHILE LOCATIONS ARE SHOWN FOR REFERENCE, ALL LOCATIONS MAY NOT BE SHOWN.
- J. WHEN APPLYING PAINT, ENSURE AREAS ARE WELL VENTILATED AS NOT TO AFFECT VA OPERATIONS.

CONSTRUCTION KEYNOTES

- P1. PROVIDE NEW WATER HEATER. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR SCOPE OF WORK. COORDINATE DEMOLITION AND NEW WORK TO FINISH WATER HEATER INSTALLATION AT THE SAME DAY OF DEMOLITION.
- P2. PROVIDE NEW LOCKABLE SERVER CABINET TO HOST NEW IT EQUIPMENT PROVIDED BY VA OIT. SEE TECHNOLOGY AND ELECTRICAL DRAWINGS FOR DETAILS AND SCOPE OF WORK. SECURE CABINET TO THE FLOOR WITH COR OR COR REPRESENTATIVE APPROVAL.
- P4. AFTER INSTALLATION OF NEW SERVER CABINET AND NEW WATER HEATER, AND AFTER DEMOLITION OF EXISTING IT RACK, APPLY NEW OIL-BASED ENAMEL FLOOR PAINT P-4 FINISH IN THE EXISTING MECHANICAL ROOM.
- P6. SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK IN THIS AREA.
- P7. PATCH AND PAINT TO MATCH EXISTING ANY EXISTING WALLS DAMAGED DURING CONSTRUCTION. REMOVE ANY DUST/DEBRIS IN ROOM AFTER FINISHING CONSTRUCTION ACTIVITIES.
- P8. PATCH AND PAINT P-1 EXISTING WALLS AFTER DEMOLITION.
- P9. NEW 4" CONCRETE PAD ON COMPACTED BASE FOR NEW MECHANICAL EQUIPMENT.
- P10. PROVIDE WALL-MOUNTED HEATER UNIT. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- P11. NEW TAMPER SWITCH HARDWARE AT EXISTING DOOR. SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
- P12. ATTIC AND ROOF PENETRATIONS FOR NEW VENTS. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- P13. PATCH, FIRE CAULK, PREP AND PAINT EXISTING WALL PAINT TO MATCH EXISTING (P-3).
- P14. PROVIDE NEW VINYL BASE VB-1 AT ALL WALLS IN MECHANICAL ROOM 112.
- P15. PATCH AND PAINT EXISTING WALL TO MATCH EXISTING (P-3) AFTER FIRE ALARM CONTROL PANEL INSTALLATION. PROTECT EXISTING BASE AND FLOORING DURING CONSTRUCTION.
- P16. NEW 90 MIN FIRE-RATED DOOR AND FRAME. NEW DOOR AND FRAME. REUSE EXISTING HARDWARE AND SECURITY SETUP IF ADDITIONAL DOOR HARDWARE/SECURITY IS NEEDED BASIS OF DESIGN SHALL MEET OR EXCEED EXISTING CONTRACTOR SHALL MAINTAIN EXISTING SECURITY CAPABILITY BETWEEN THE ADMINISTRATION AREA AND PATIENT ROOMS AT NIGHT TIME. INFILL EXISTING WALL AFTER DEMOLITION OF EXISTING DOOR, PATCH, PREP AND FIRE CAULK WALL TO RECEIVE NEW PAINT (P-5) FINISH TO MATCH EXISTING. PROVIDE NEW WALL BASE TO MATCH EXISTING, AS REQUIRED.

REVIEW ONLY - NOT FOR CONSTRUCTION

ROOM FINISH LEGEND					
Key	Material	Manufacturer/Design Basis	Product Properties	Style/Color (Or Approved Equal)	Notes
P-1	PAINT	XXX or VA Approved Equal	XXX	TO MATCH EXISTING	Wall Finish in Mechanical Room, match CBOC Standards
P-2	PAINT	XXX or VA Approved Equal	XXX	TO MATCH EXISTING	Ceiling Finish in Mechanical Room, match CBOC Standards
P-3	PAINT	XXX or VA Approved Equal	XXX	TO MATCH EXISTING	Wall Finish in Waiting Area, match CBOC Standards
P-4	OIL-BASED FLOOR PAINT	DIAMOND VOGEL or VA Approved Equal	FLOR-COTE POLYURETHANE ENAMEL	FLINT GREY	Floor Finish in Mechanical Room, match CBOC Standards
P-5	PAINT	XXX or VA Approved Equal	XXX	TO MATCH EXISTING	Door and Frame Finish in Waiting Area, match CBOC Standards
VB-1	VINYL WALL BASE	XXX or VA Approved Equal	XXX	XXX	Wall Base in Mechanical Room, match CBOC Standards

ROOM FINISH SCHEDULE																				
ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS						CEILING		REMARKS						
		FLOOR MATERIAL	FLOOR COLOR	BASE MATERIAL	BASE COLOR	MATERIAL	NORTH FINISH	COLOR	MATERIAL	WEST FINISH	COLOR	MATERIAL	SOUTH FINISH		COLOR	MATERIAL	EAST FINISH	COLOR	TYPE	FINISH
111	WAITING AREA	EX	EX	EX	EX	EX	EX	EX	EXISTING	P-3	EX	EX	EX	EX	EX	EX	EX	EX	EX	REPAIR IN KIND ANY DAMAGED DURING CONSTRUCTION
112	MECH.	EPX-1		VB-1		EXISTING	P-1		EXISTING	P-1		EXISTING	P-1		EXISTING	P-1		EXISTING	P-2	REPAIR IN KIND ANY DAMAGED DURING CONSTRUCTION

DEMOLITION LEGEND	
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
CONSTRUCTION LEGEND	
	NEW CONSTRUCTION

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BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044
Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management

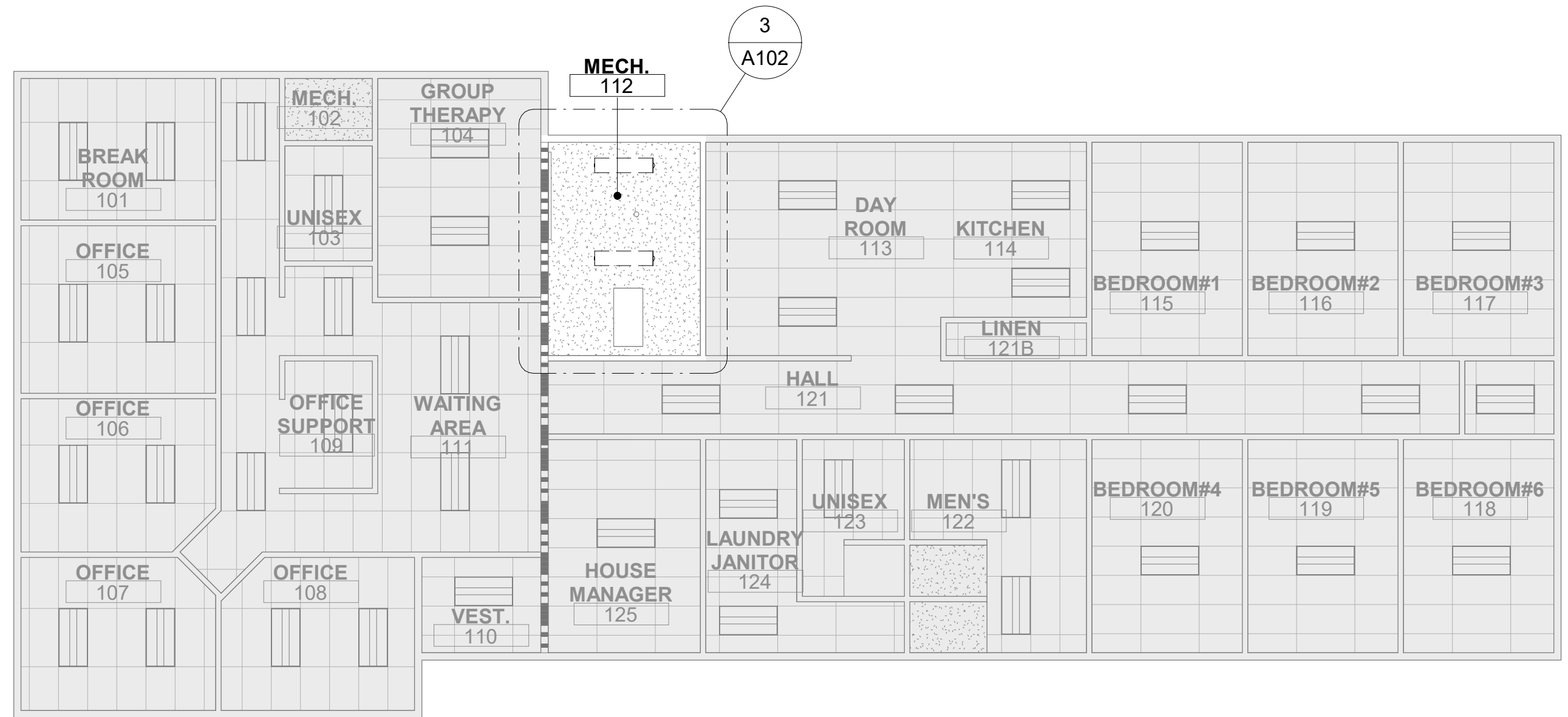
VA U.S. Department of Veterans Affairs

Drawing Title
ARCHITECTURAL - DEMOLITION AND CONSTRUCTION PLANS - FIRST FLOOR

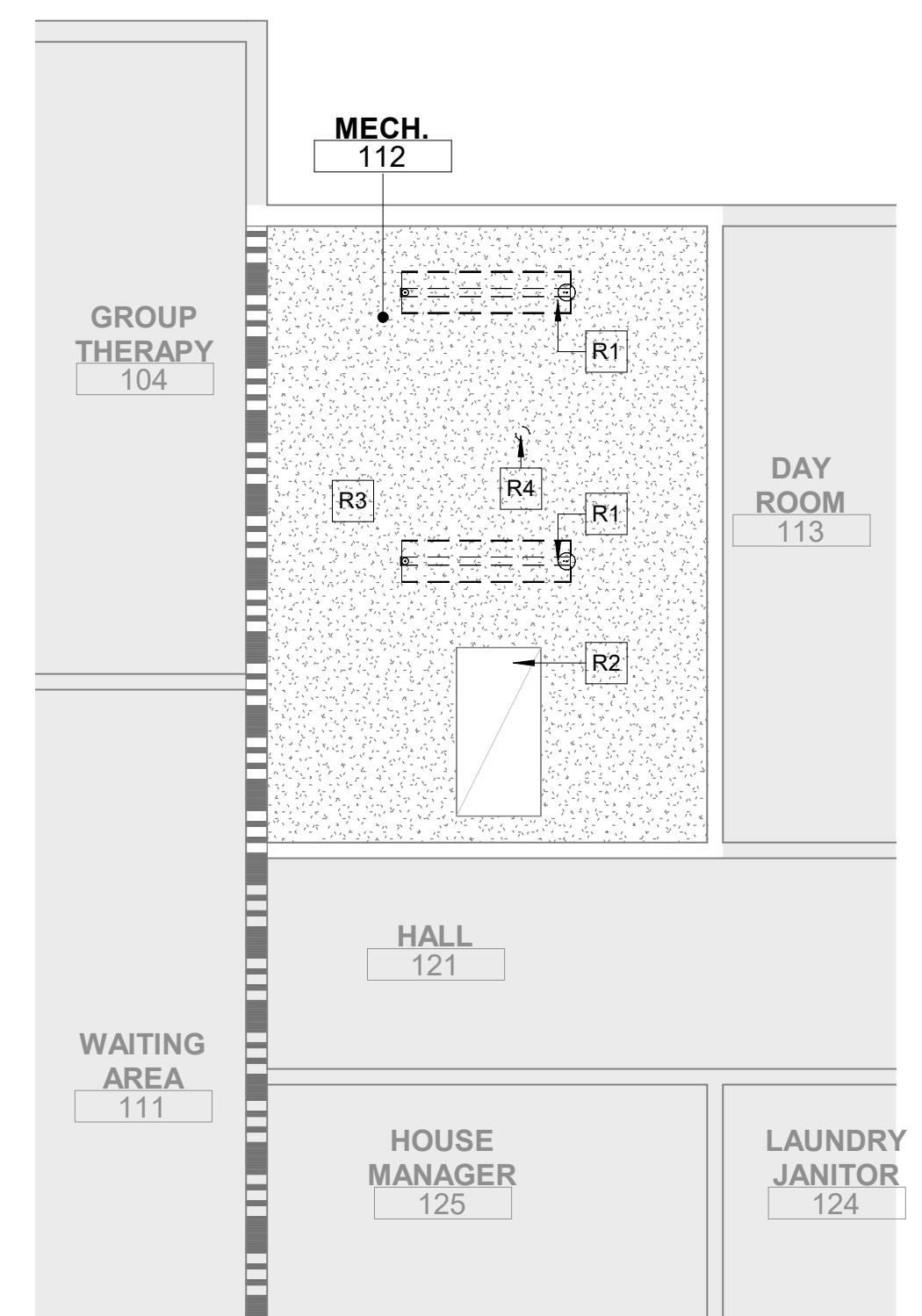
Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

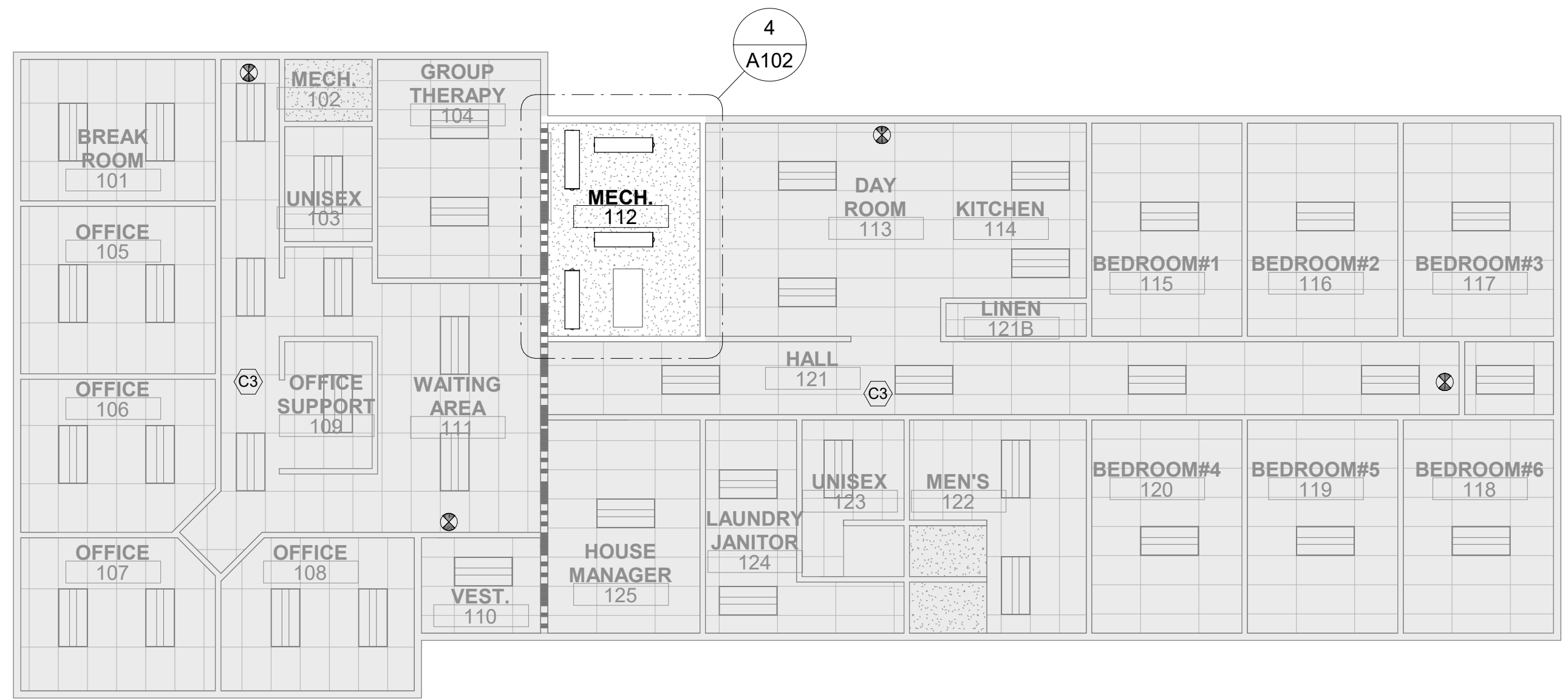
Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Location PINE RIDGE VA CLINIC	Building Number Pine Ridge Clinic
Issue Date 03/31/2022	Checked CZ
Drawn LD	Drawing Number A101



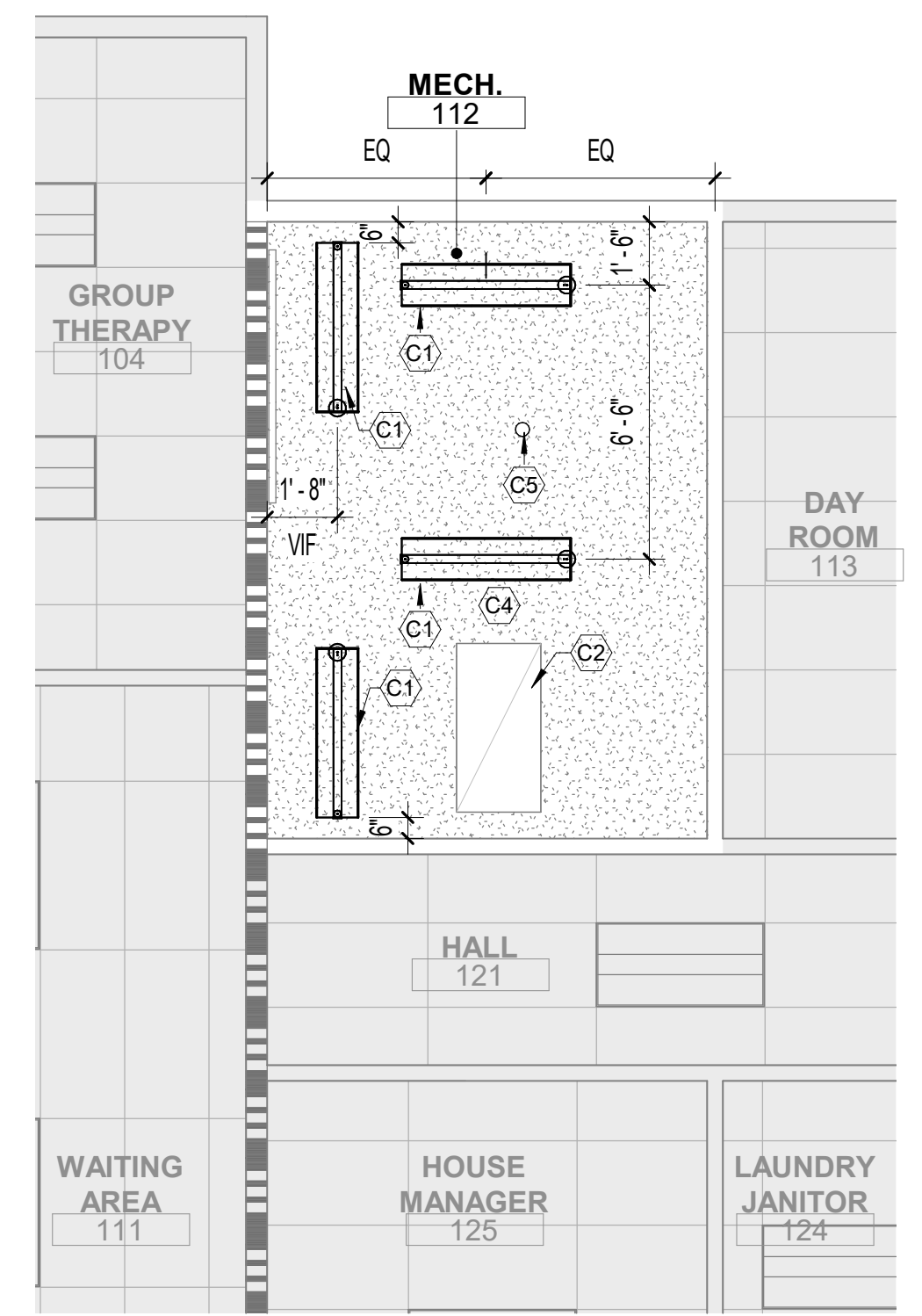
1 DEMOLITION CEILING PLAN FIRST FLOOR
 1/8" = 1'-0"
 0 4' 8' 16'



3 DEMOLITION ENLARGED PLAN
 1/4" = 1'-0"
 0 2' 4' 8'



2 CONSTRUCTION CEILING PLAN FIRST FLOOR
 1/8" = 1'-0"
 0 4' 8' 16'



4 CONSTRUCTION ENLARGED PLAN
 1/4" = 1'-0"
 0 2' 4' 8'

CEILING DEMOLITION SHEET NOTES

- A. REVIEW DRAWINGS IN CONJUNCTION WITH APPLICABLE CORRESPONDING ME/PE/FP DRAWINGS FOR FULL SCOPE OF WORK.
- B. SEAL/FIRE-STOP ALL OPENINGS IN EXISTING FIRE-RATED PARTITION WALLS AND FLOORS THAT ARE ENCOUNTERED DURING DEMOLITION. INCLUDES EXPOSED CONDUIT AND PIPING.
- C. CONSTRUCTION (DUST) SPRINKLER COVERS SHALL BE BORROWED FROM HOT SPRINGS FIRE DEPARTMENT.
- D. ONE CONTRACTOR PROVIDED FIRE EXTINGUISHER SHALL BE MAINTAINED IN ACCESSIBLE AREA.
- E. CONSTRUCTION (DUST) SPRINKLER COVERS SHALL BE BORROWED FROM HOT SPRINGS FIRE DEPARTMENT. DUST COVERS SHALL BE PLACED OVER SPRINKLER HEADS DURING CONSTRUCTION HOURS ONLY.

CEILING DEMOLITION LEGEND

EXISTING 1x4' PENDANT LIGHT FIXTURE TO BE REMOVED

DEMOLITION KEYNOTES

- R1 REMOVE EXISTING LIGHT FIXTURES.
- R2 EXISTING ATTIC ACCESS PANEL TO REMAIN.
- R3 EXISTING GYP.BD.CEILING TO REMAIN.
- R4 CUT EXISTING GYPSUM BOARD CEILING TO ACCOMMODATE NEW VENT FOR WATER HEATER. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.

CEILING CONSTRUCTION SHEET NOTES

- A. ANY FIRE PROTECTION, PLUMBING, MECHANICAL OR ELECTRICAL ITEMS SHOWN ON THIS PLAN ARE FOR LOCATIONAL REFERENCE ONLY. CONFLICTS BETWEEN DISCIPLINES SHALL BE BROUGHT TO THE OWNER'S ATTENTION FOR REVIEW BY THE ARCHITECT PRIOR TO BID.
- B. FOR LIGHT FIXTURE SPECIFICATIONS, REFER TO ELECTRICAL DRAWINGS.
- C. CURRENT CEILING TILE/GRID MAKE AND MODEL IS NOT UNDERSTOOD. CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING GRID/ TILES WITH SIMILAR TEXTURE/PATTERN AND COLOR SCHEME. CONTRACTOR MAY NEED TO REPLACE ALL TILES IN AN AREA SO CEILING IS AESTHETICALLY CORRECT.

CEILING CONSTRUCTION LEGEND

NEW 1x4' PENDANT LIGHT FIXTURE

CONSTRUCTION KEYNOTES

- C1 PROVIDE NEW LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPE AND SCOPE OF WORK.
- C2 EXISTING ATTIC ACCESS TO REMAIN.
- C3 NOT USED.
- C4 PATCH AND PAINT EXISTING GYPSUM BOARD CEILING P-2 TO MATCH EXISTING.
- C5 PATCH AND PAINT EXISTING GYPSUM BOARD AFTER MECHANICAL VENT PENETRATION.

REVIEW ONLY - NOT FOR CONSTRUCTION

100% CONSTRUCTION DOCUMENTS	03/31/2022
100% CONSTRUCTION DOCUMENTS	02/17/2022
100% CONSTRUCTION DOCUMENTS	01/14/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
100% CONSTRUCTION DOCUMENTS	09/16/2021
95% CONSTRUCTION DOCUMENTS	09/09/2021
95% CONSTRUCTION DOCUMENTS	09/02/2021
65% DESIGN DEVELOPMENT	7/29/2021
35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

BANCROFT ARCHITECTS + ENGINEERS
 VA CONTRACT NO. 36C26319D0044
 700 Nicholas Blvd., Suite 300
 Fairfax, VA 22031
 T: 847.552.9362 F: 847.955.9403
 www.bancroft-ae.com
 Bancroft Project No. 18-121

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Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
 ARCHITECTURAL - DEMOLITION AND CONSTRUCTION CEILING PLANS - FIRST FLOOR

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS

Project Title
 EHRM INFRASTRUCTURE UPGRADES

Location
 PINE RIDGE VA CLINIC

Issue Date
 03/31/2022

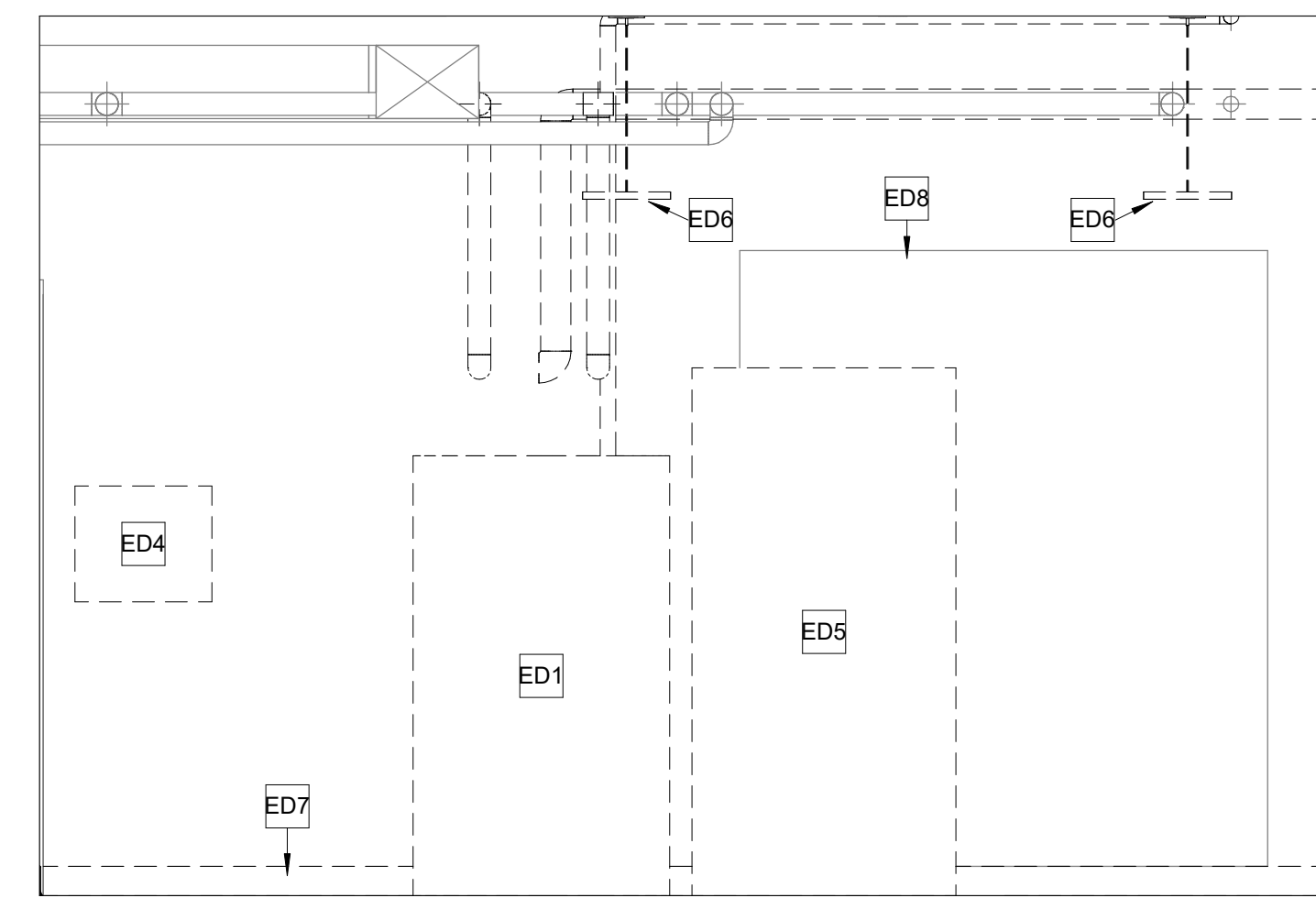
Checked
 CZ

Drawn
 LD

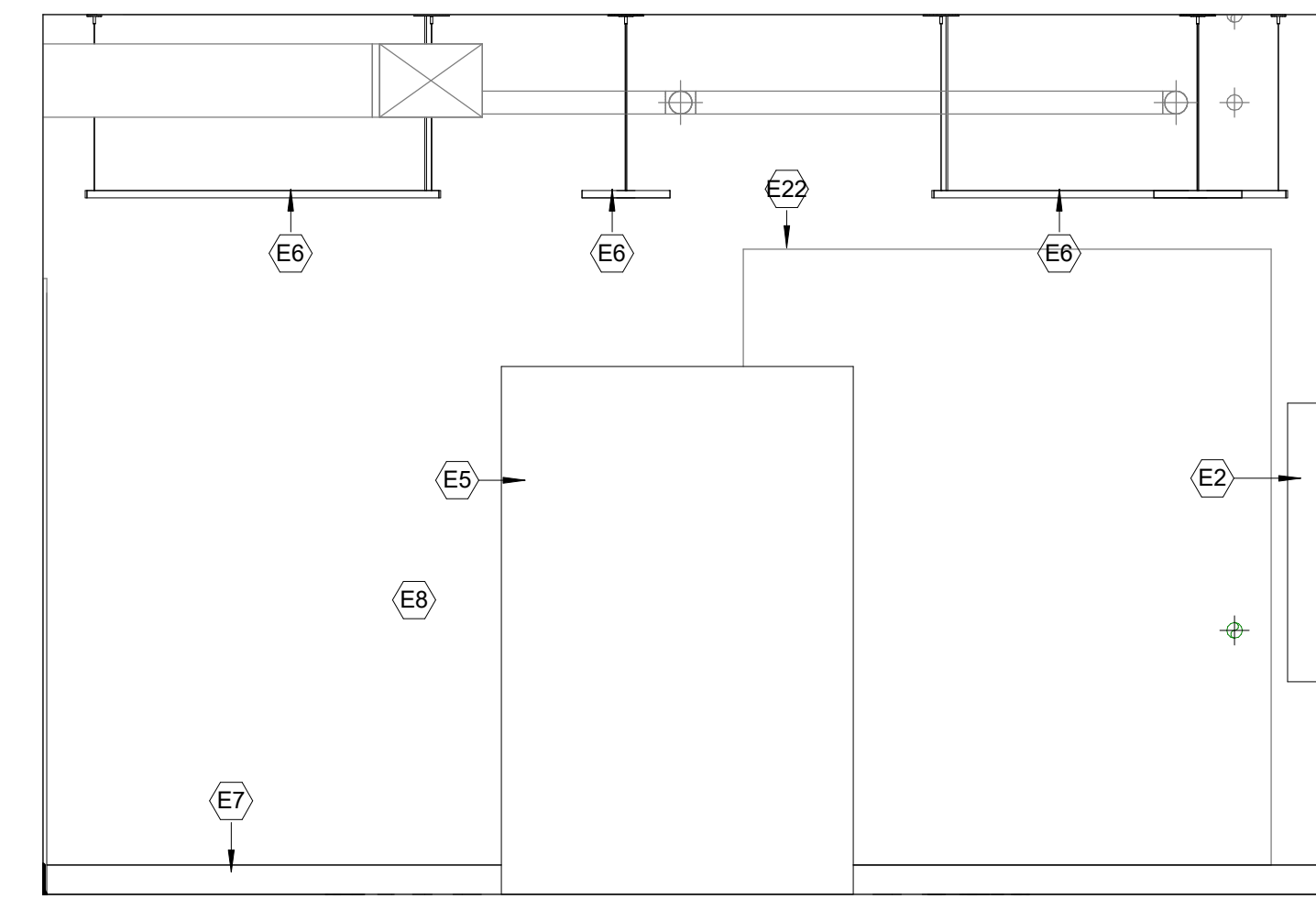
Project Number
 568A4-21-703

Building Number
 Pine Ridge Clinic

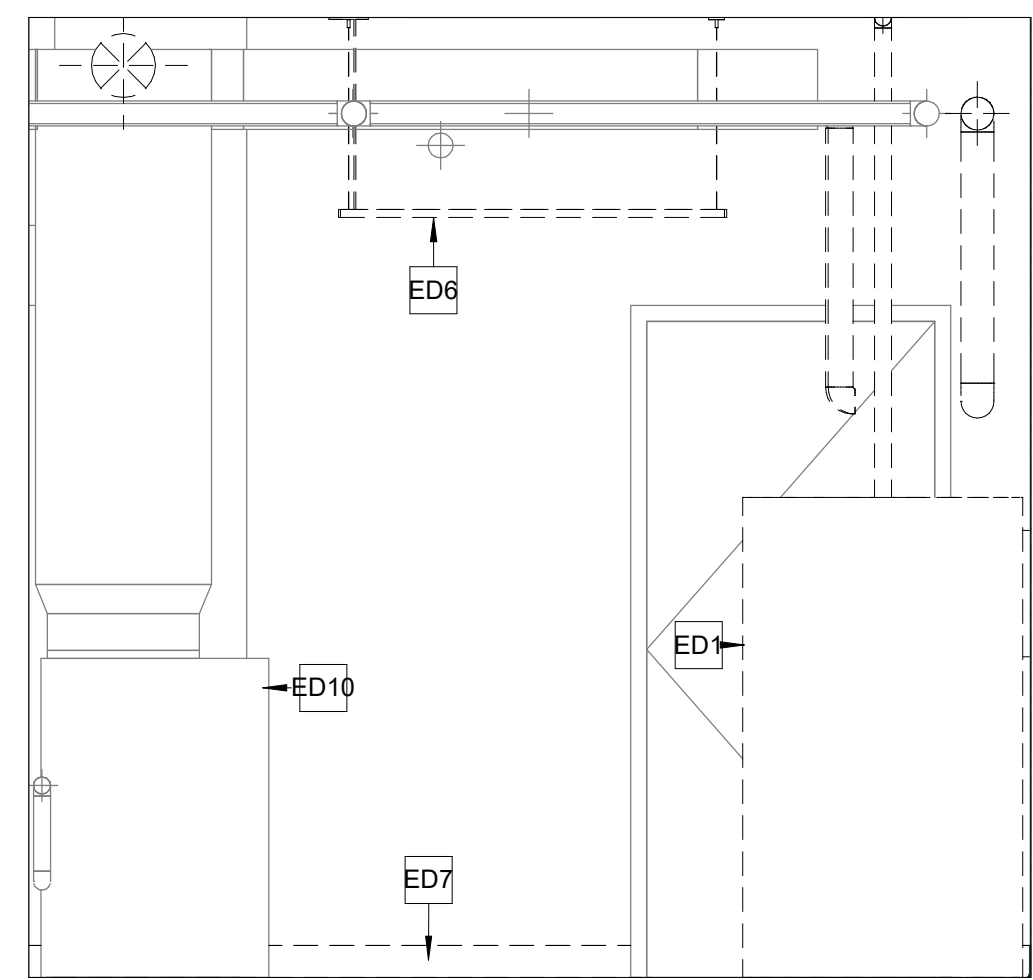
Drawing Number
 A102



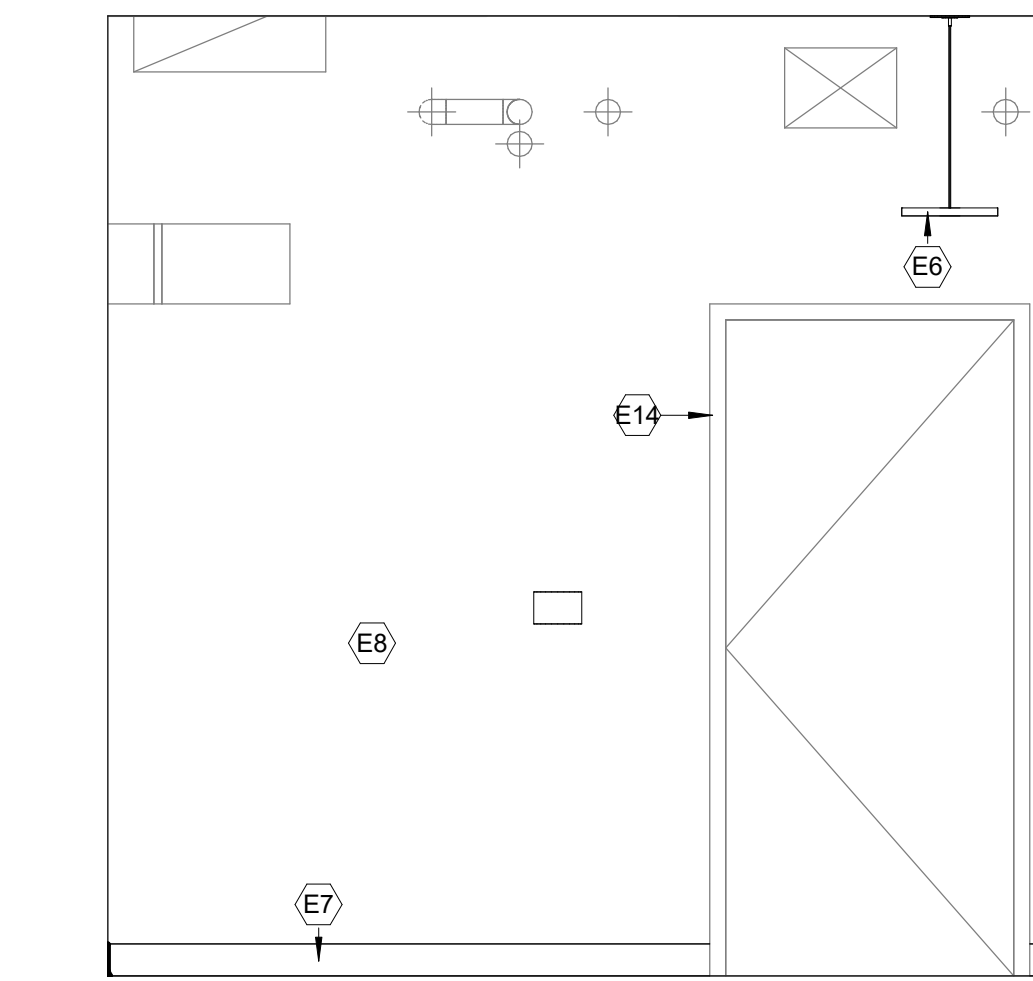
1 DEMOLITION ELEVATION NORTHEAST
1/2" = 1'-0"



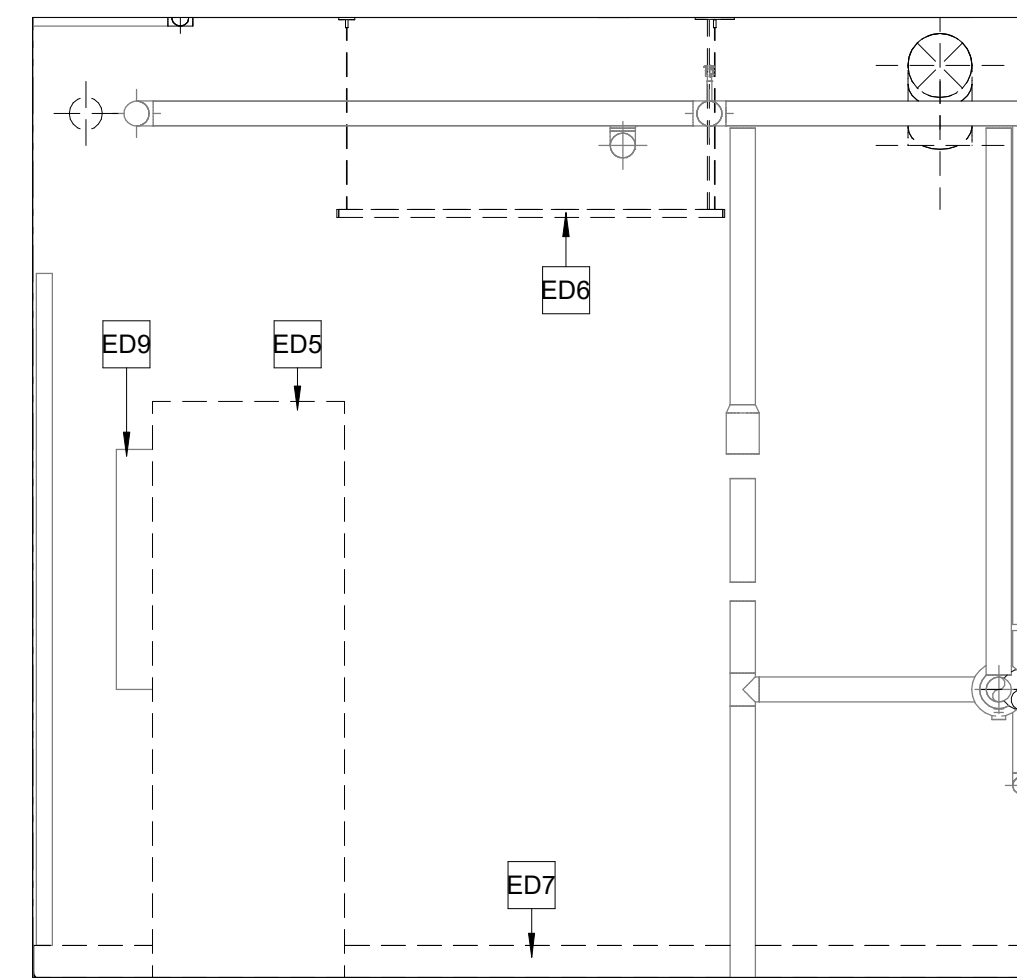
5 ELEVATION NORTHEAST
1/2" = 1'-0"



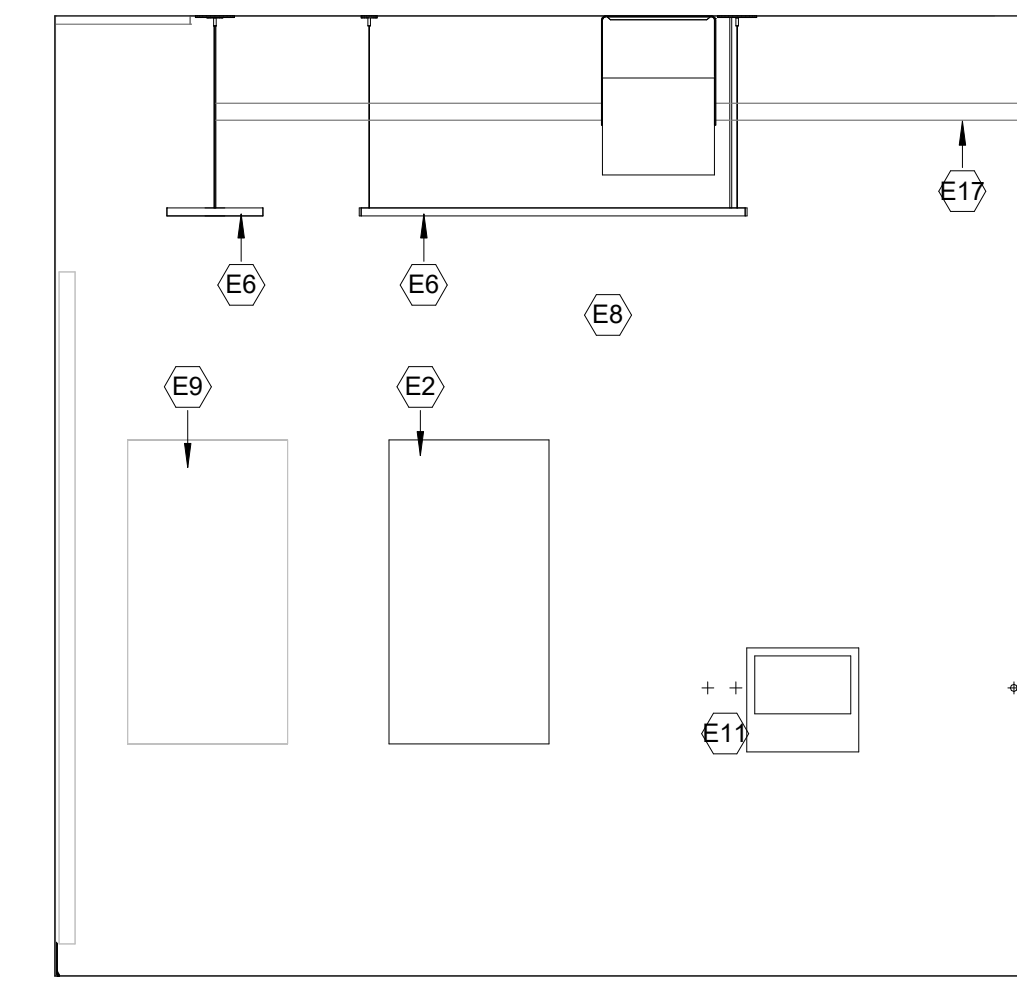
2 DEMOLITION ELEVATION NORTHWEST
1/2" = 1'-0"



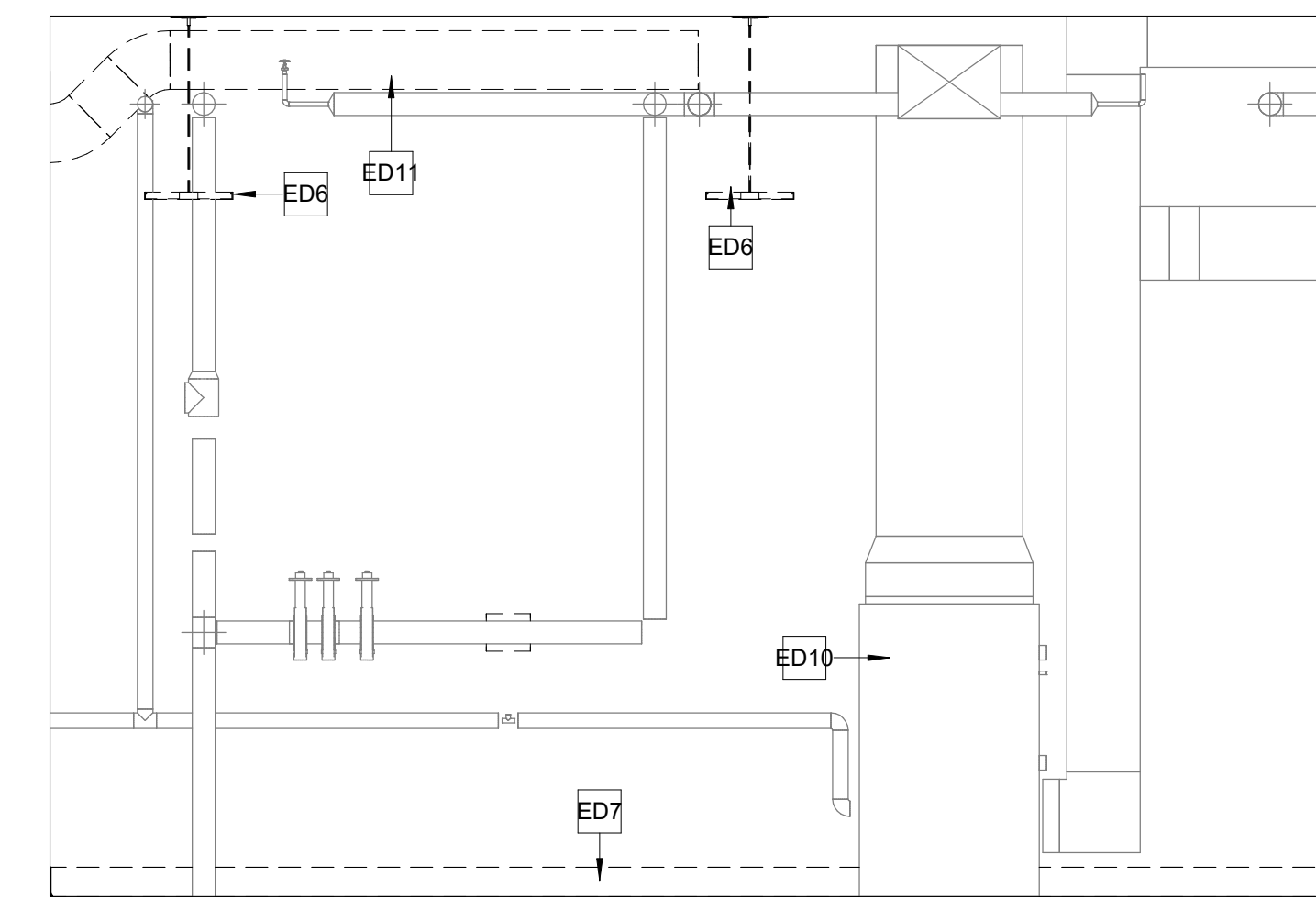
6 ELEVATION NORTHWEST
1/2" = 1'-0"



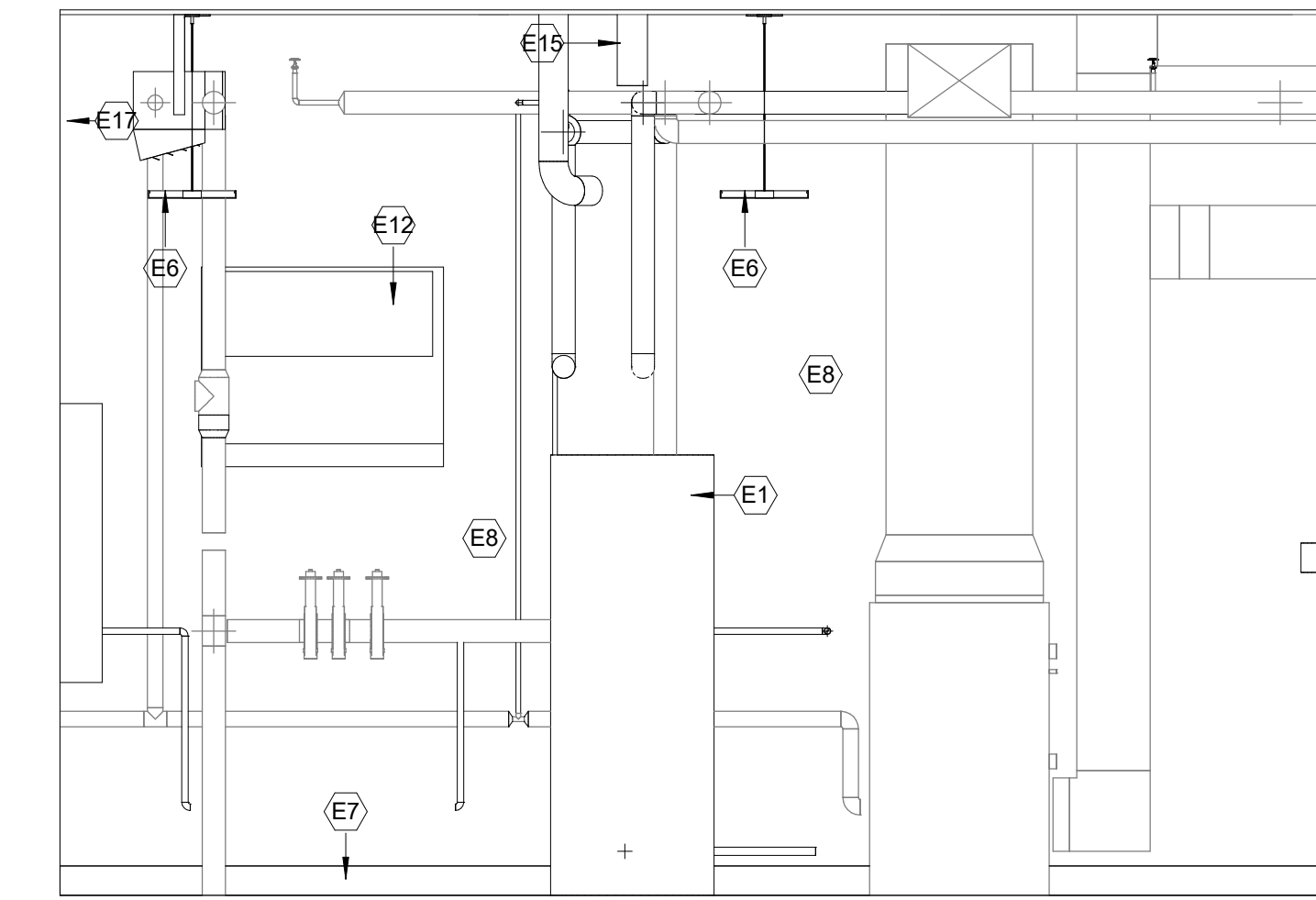
3 DEMOLITION ELEVATION SOUTHEAST
1/2" = 1'-0"



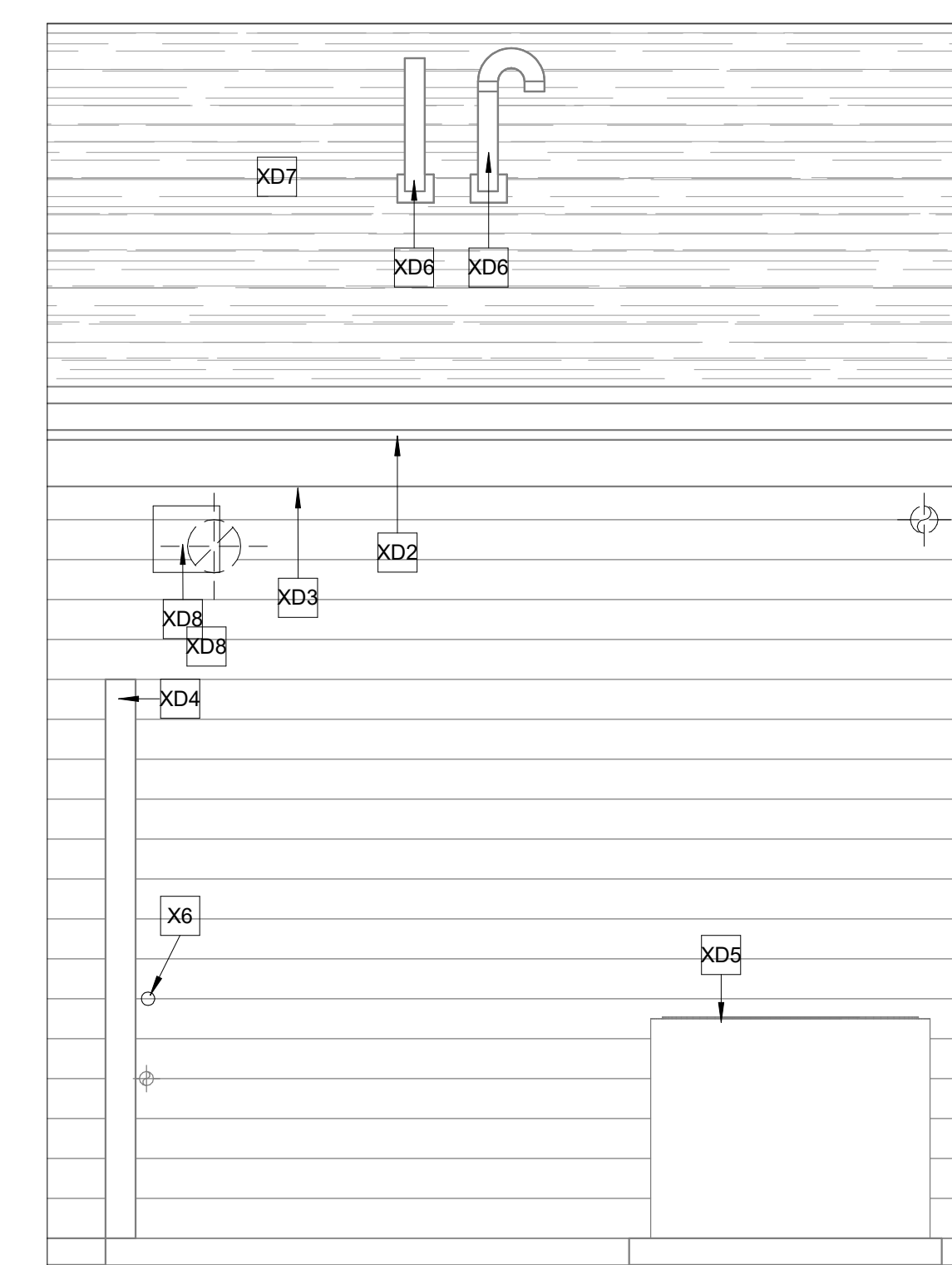
7 ELEVATION SOUTHEAST
1/2" = 1'-0"



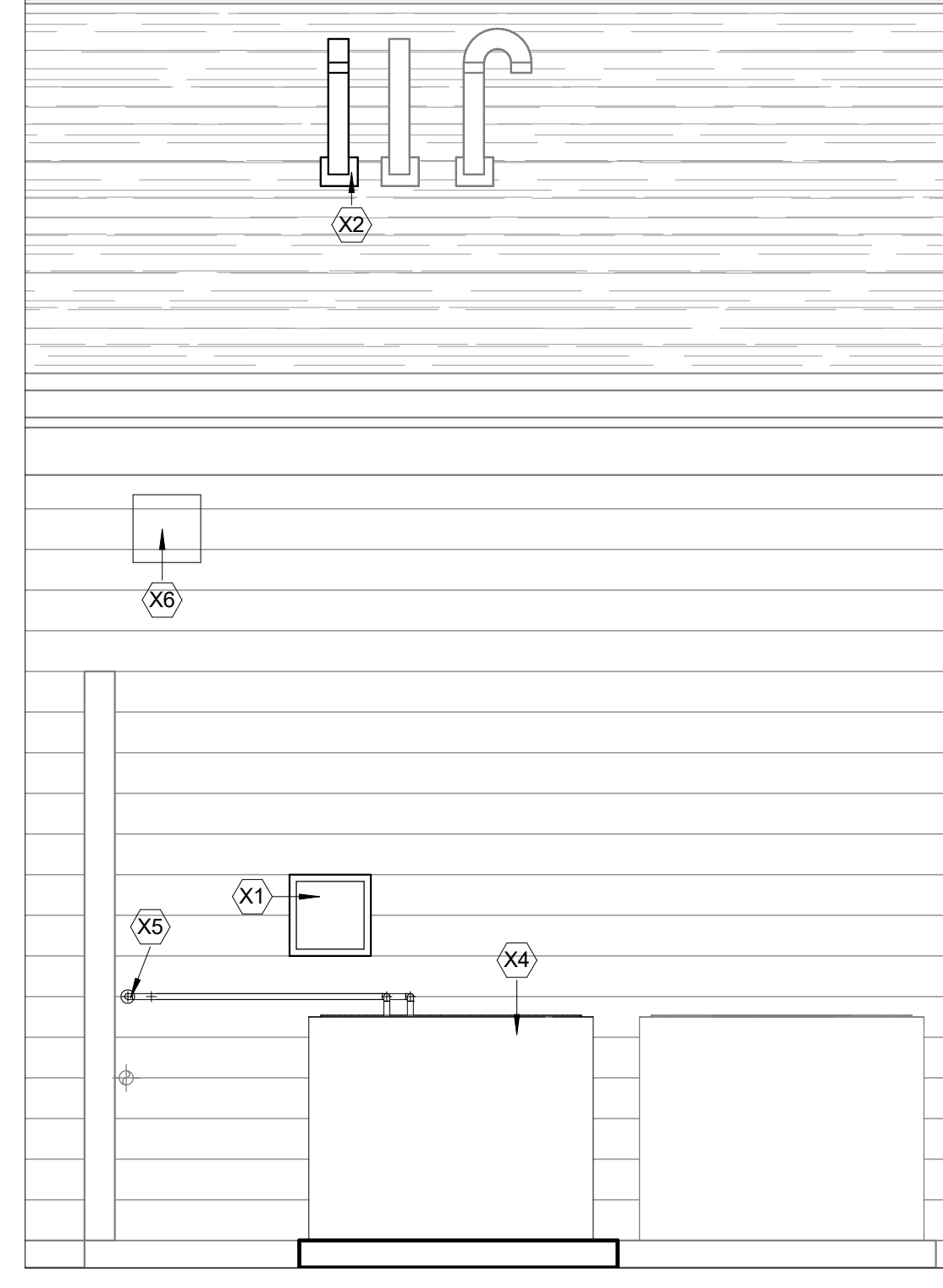
4 DEMOLITION ELEVATION SOUTHWEST
1/2" = 1'-0"



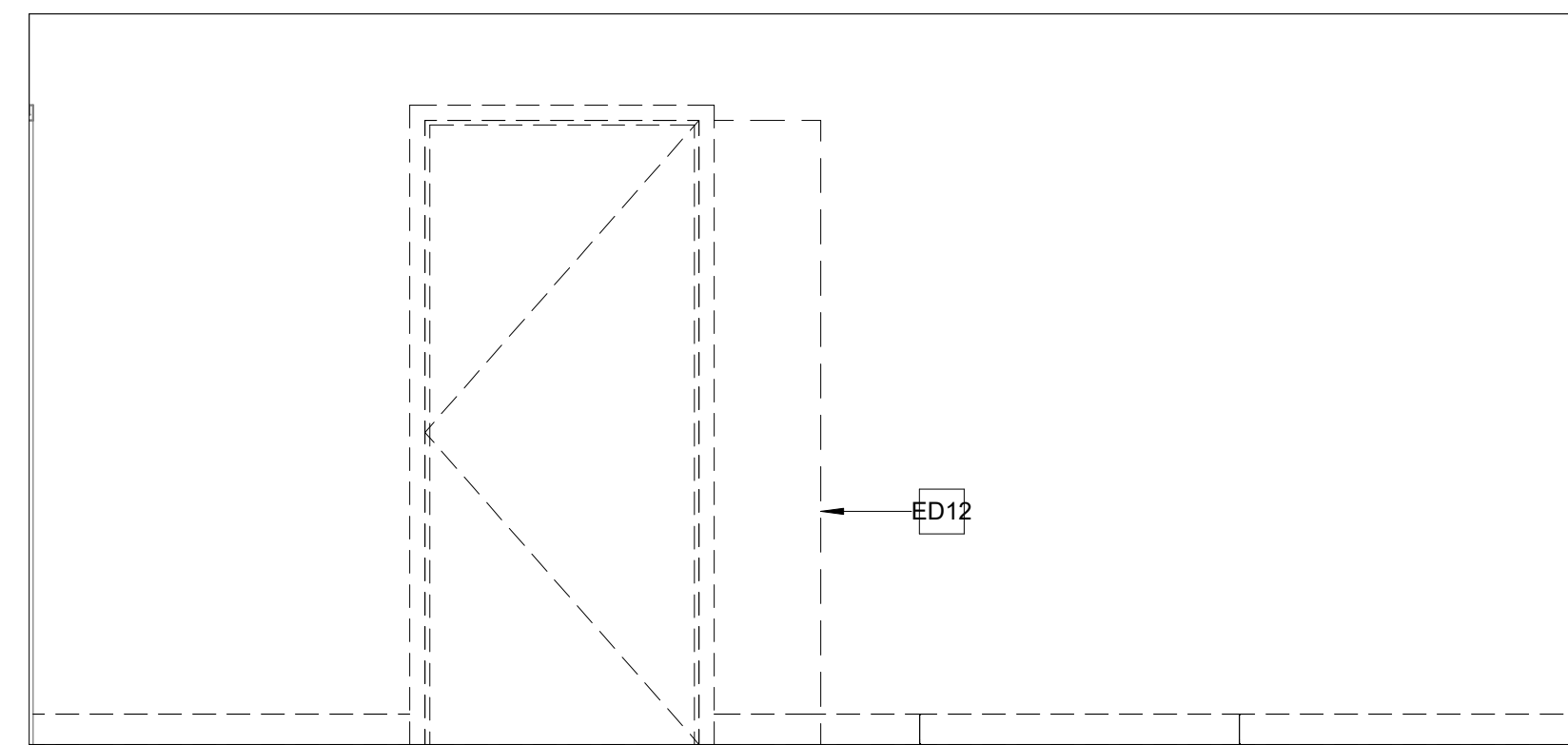
8 ELEVATION SOUTHWEST
1/2" = 1'-0"



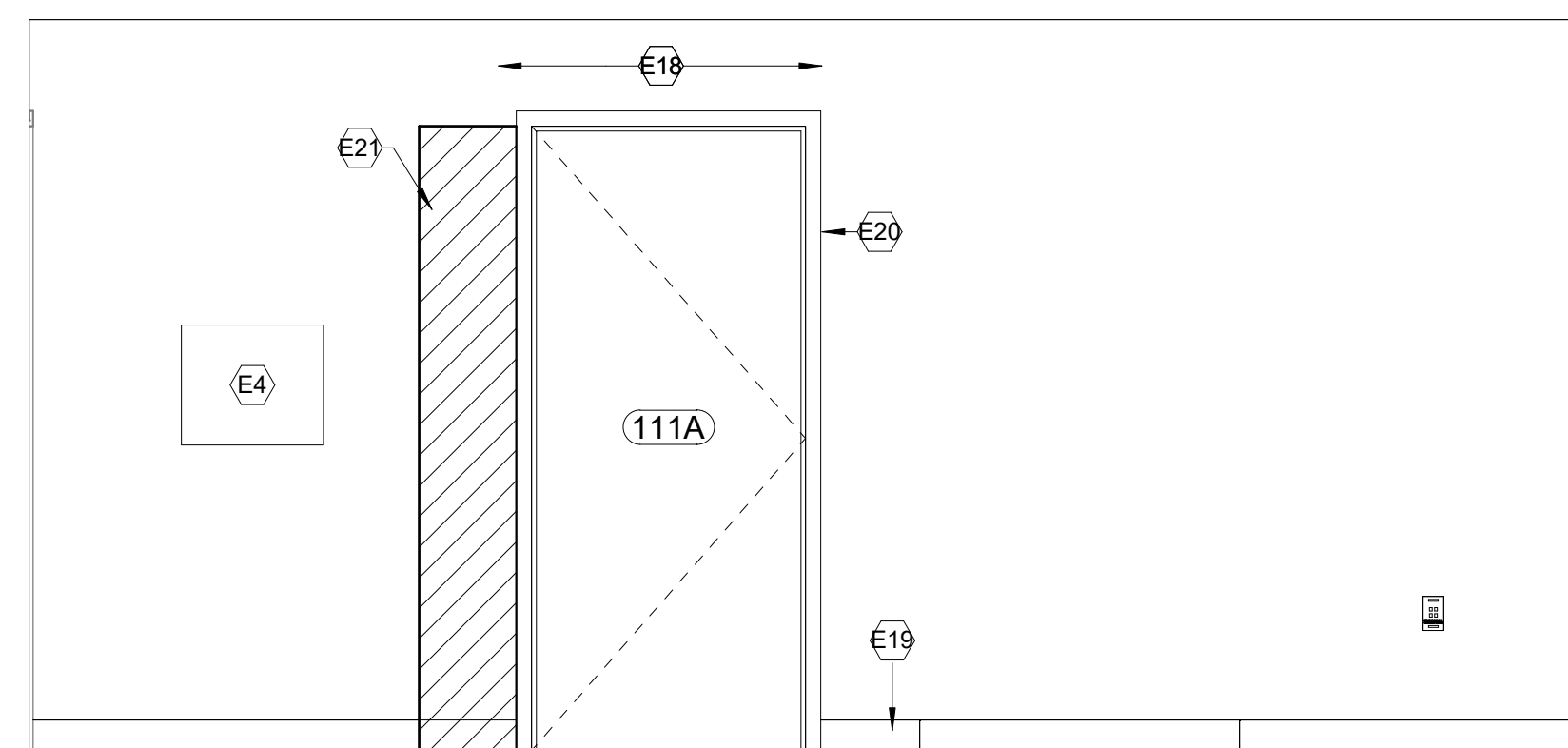
9 DEMOLITION PARTIAL EXTERIOR ELEVATION EAST
1/2" = 1'-0"



10 PARTIAL EXTERIOR ELEVATION EAST
1/2" = 1'-0"



11 DEMOLITION ELEVATION SOUTHWEST WAITING AREA 111
1/2" = 1'-0"



12 ELEVATION SOUTHWEST WAITING AREA 111
1/2" = 1'-0"

ELEVATION SHEET NOTES

- A. SEE G101 AND G102 FOR GENERAL AND DEMOLITION NOTES.
- B. SEE A001 FOR ARCHITECTURAL SYMBOLS AND ABBREVIATIONS.
- C. SEE MEP/FP DRAWINGS FOR ADDITIONAL OPENINGS THAT MAY BE REQUIRED THROUGH EXISTING PARTITIONS AND WALLS INDICATED TO REMAIN. PROVIDE SHOP DRAWINGS FOR COORDINATION.
- D. SEE A101 FOR ROOM FINISH LEGEND AND SCHEDULE.
- E. COORDINATE COLOR AND LOCATION OF FINISHES WITH VA/OCR PRIOR CONSTRUCTION.

DEMOLITION ELEVATION KEYNOTES

- ED1 EXISTING WATER HEATER TO BE DEMOLISHED
- ED4 EXISTING FIRE ALARM CONTROL PANEL TO BE RELOCATED.
- ED5 EXISTING IT RACK TO BE DEMOLISHED.
- ED6 EXISTING PENDANT LIGHTS TO BE DEMOLISHED.
- ED7 EXISTING VINYL BASE TO BE DEMOLISHED.
- ED8 EXISTING TELECOMMUNICATIONS PANEL TO REMAIN.
- ED9 EXISTING ELECTRICAL SERVICE PANEL TO REMAIN.
- ED10 EXISTING FURNACE TO REMAIN.
- ED11 DEMOLISH ENTIRELY EXISTING 8" EXHAUST DUCT AND ALL ITS COMPONENTS. SEE MEP DRAWINGS FOR SCOPE OF WORK.
- ED12 REMOVE PORTION OF EXISTING WALL TO ACCOMMODATE NEW DOOR OPENING. FRAME NEW DOOR OPENING.

NEW CONSTRUCTION ELEVATION KEYNOTES

- E1 NEW WATER HEATER. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- E2 NEW ELECTRICAL SERVICE PANEL. SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
- E4 RELOCATED FIRE ALARM CONTROL PANEL. SEE FIRE PROTECTION DRAWINGS FOR SCOPE OF WORK.
- E5 NEW IT SERVICE CABINET. SEE TECHNOLOGY DRAWINGS FOR SCOPE OF WORK.
- E6 NEW PENDANT LIGHT FIXTURES MOUNTED ON EXISTING GYPSUM BOARD CEILING. SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK. COORDINATE LOCATION OF NEW LIGHT FIXTURES WITH EXISTING AND NEW MEP INFRASTRUCTURE.
- E7 NEW VINYL BASE VB-1.
- E8 NEW WALL PAINT FINISH P-1.
- E9 EXISTING ELECTRICAL PANEL TO REMAIN.
- E12 NEW SPLIT DUCTLESS AIR CONDITIONER. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- E14 EXISTING DOOR, FRAME AND HARDWARE TO REMAIN. NEW TAMPER SWITCH ADDED TO EXISTING DOOR. SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
- E15 NEW VENT FOR NEW WATER HEATER. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- E17 FILL IN EXISTING EXTERIOR WALL AFTER 8" DUCT DEMOLITION. SEE DETAIL 4/A104.
- E18 NEW WALL PAINT FINISH TO MATCH EXISTING (P-3).
- E19 NEW WALL BASE TO MATCH EXISTING (VB-2).
- E20 NEW DOOR AND FRAME. REUSE EXISTING HARDWARE AND SECURITY SETUP. IF ADDITIONAL DOOR HARDWARE/SECURITY IS NEEDED BASIS OF DESIGN SHALL MEET OR EXCEED EXISTING. CONTRACTOR SHALL MAINTAIN EXISTING SECURITY CAPABILITY THROUGHOUT THE ADMINISTRATION AREA AND PATIENT ROOMS AT NIGHT TIME.
- E21 INFILL EXISTING WALL AFTER DEMOLITION. PATCH AND PREP SURFACE TO RECEIVE NEW FINISHES. PAINT TO MATCH EXISTING (P-3).
- E22 EXISTING TELECOM PANEL TO REMAIN. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL SCOPE OF WORK.

DEMOLITION EXTERIOR ELEVATION KEYNOTES

- XD2 EXISTING METAL FASCIA AND GUTTER TO REMAIN.
- XD3 EXISTING 10" ACCENT HARDBOARD SIDING TO REMAIN.
- XD4 EXISTING WOODEN FENCE TO REMAIN.
- XD5 EXISTING OUTDOOR CONDENSING UNIT TO REMAIN.
- XD6 EXISTING ROOF VENTS TO REMAIN.
- XD7 SELECTIVE DEMOLITION OF EXISTING ROOFING SYSTEM FOR NEW MEP SCOPE OF WORK.
- XD8 DEMOLISH 8" EXHAUST DUCT. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.

EXTERIOR ELEVATION KEYNOTES

- X1 NEW LOUVER.
- X2 NEW 4" VENT PENETRATING EXISTING ROOFING SYSTEM. CUT EXISTING ASPHALT SHINGLES AS REQUIRED AND PROVIDE FLASHING. VERIFY CONDITION OF EXISTING ROOFING SYSTEM AND COORDINATE CUTTING AND PATCHWORK WITH ROOFING MANUFACTURER TO MAINTAIN WARRANTY, IF APPLICABLE.
- X4 NEW OUTDOOR CONDENSING UNIT. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.
- X5 NEW PENETRATION FOR REFRIGERANT PIPING THROUGH EXISTING HARDBOARD SIDING. SEAL PENETRATION AS REQUIRED.
- X6 FILL IN EXISTING WALL PENETRATION AFTER DEMOLITION OF 8" EXHAUST. SEE DETAIL 4/A104.

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title EHRM INFRASTRUCTURE UPGRADES		Project Number 568A4-21-703	
Location PINE RIDGE VA CLINIC		Building Number Pine Ridge Clinic	
Issue Date 03/31/2022	Checked CZ	Drawn LD	Drawing Number A103

100% CONSTRUCTION DOCUMENTS	03/31/2022
100% CONSTRUCTION DOCUMENTS	02/17/2022
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100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
100% CONSTRUCTION DOCUMENTS	09/16/2021
95% CONSTRUCTION DOCUMENTS	09/09/2021
95% CONSTRUCTION DOCUMENTS	09/02/2021
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044

700 Nicholas Blvd, Suite 300
Eh, Grove Village, IL 60037
T:847.952.9362 F:847.952.9403
www.bancroft-ae.com
Bancroft Project No. 18-121

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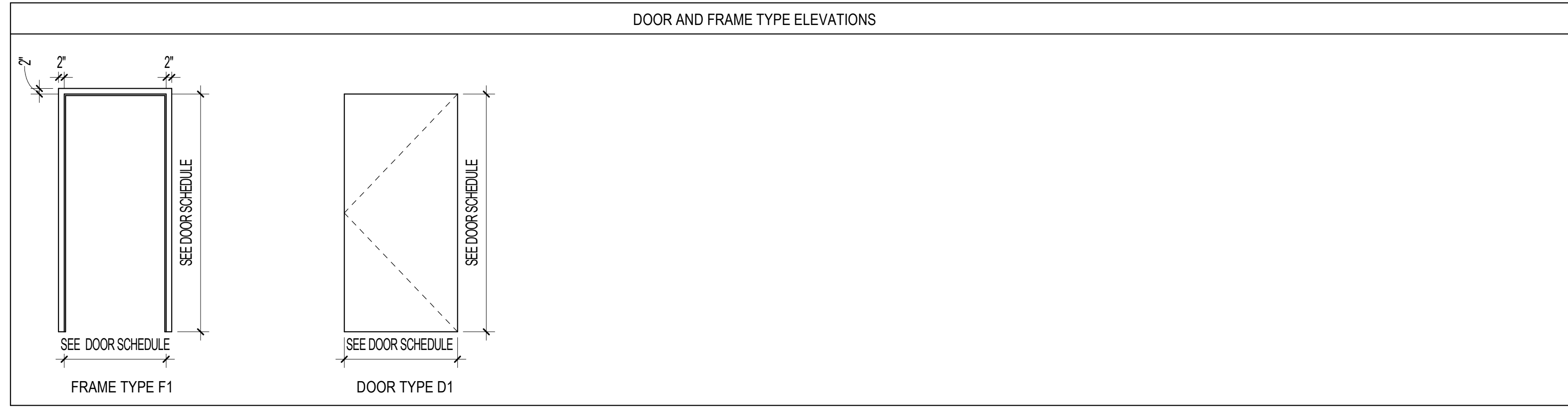
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

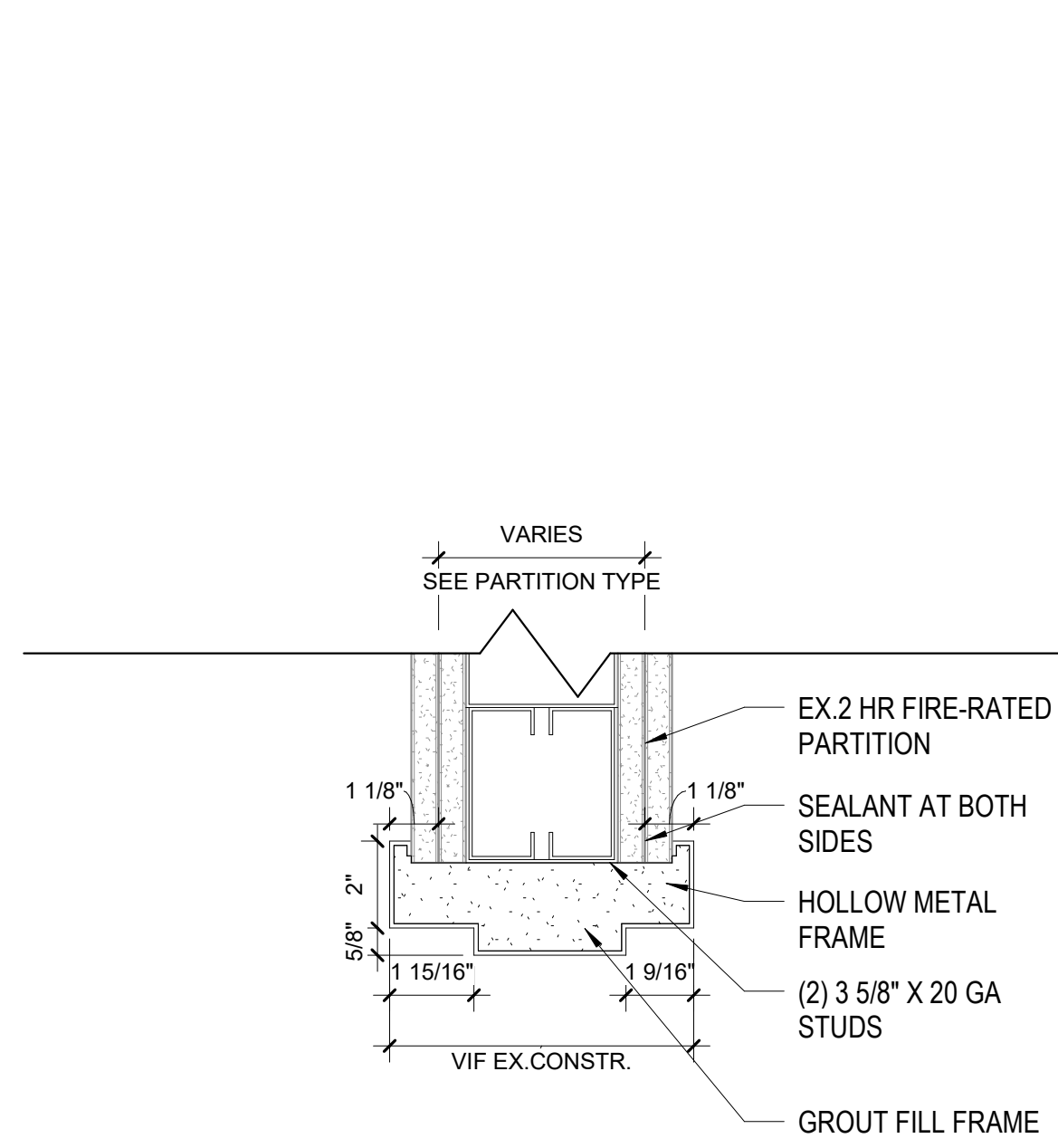
Drawing Title
ARCHITECTURAL - DEMOLITION AND NEW WORK ELEVATIONS - MECH. ROOM 112

Approved: Project Director

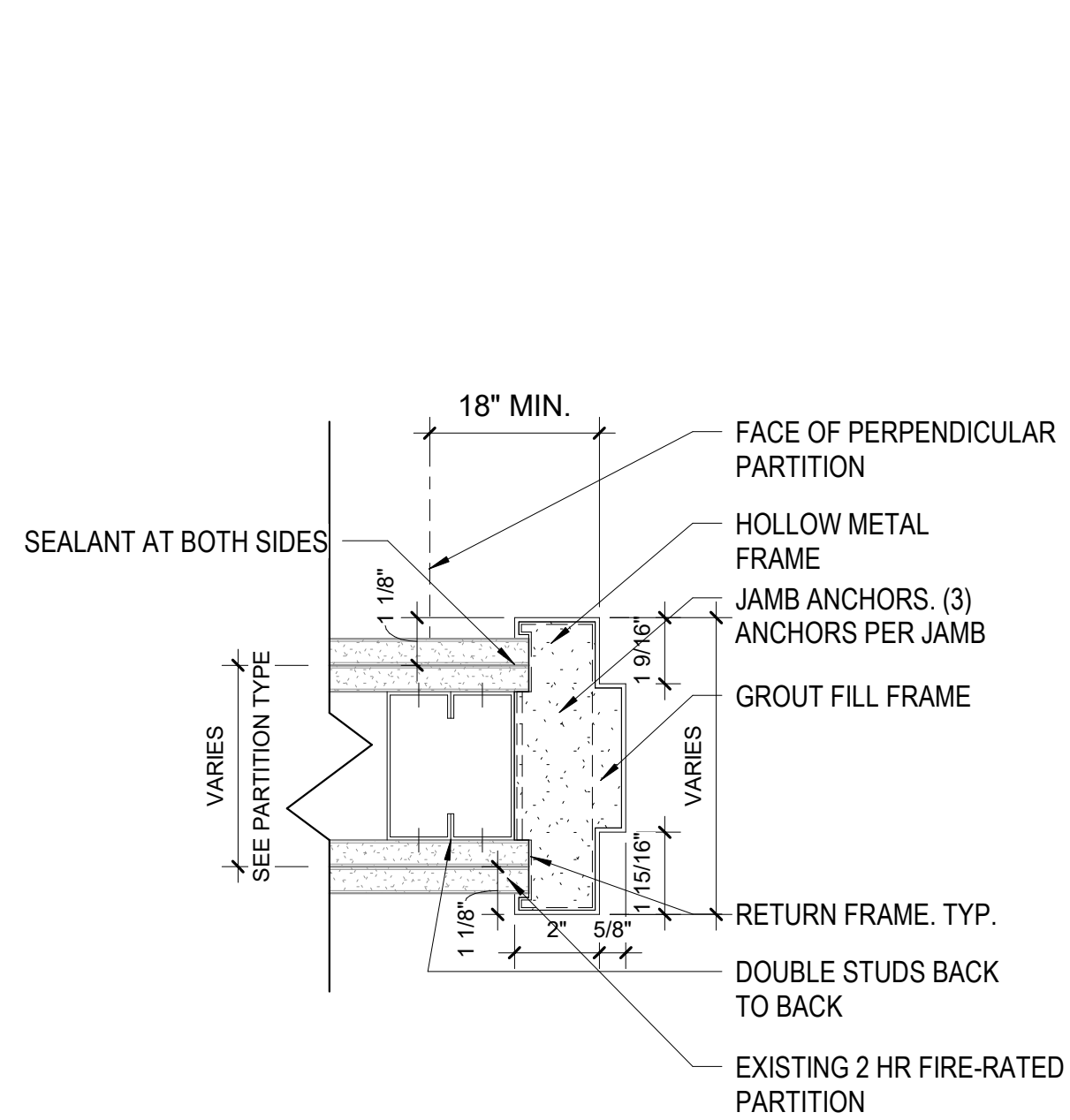
Phase
100% CONSTRUCTION DOCUMENTS



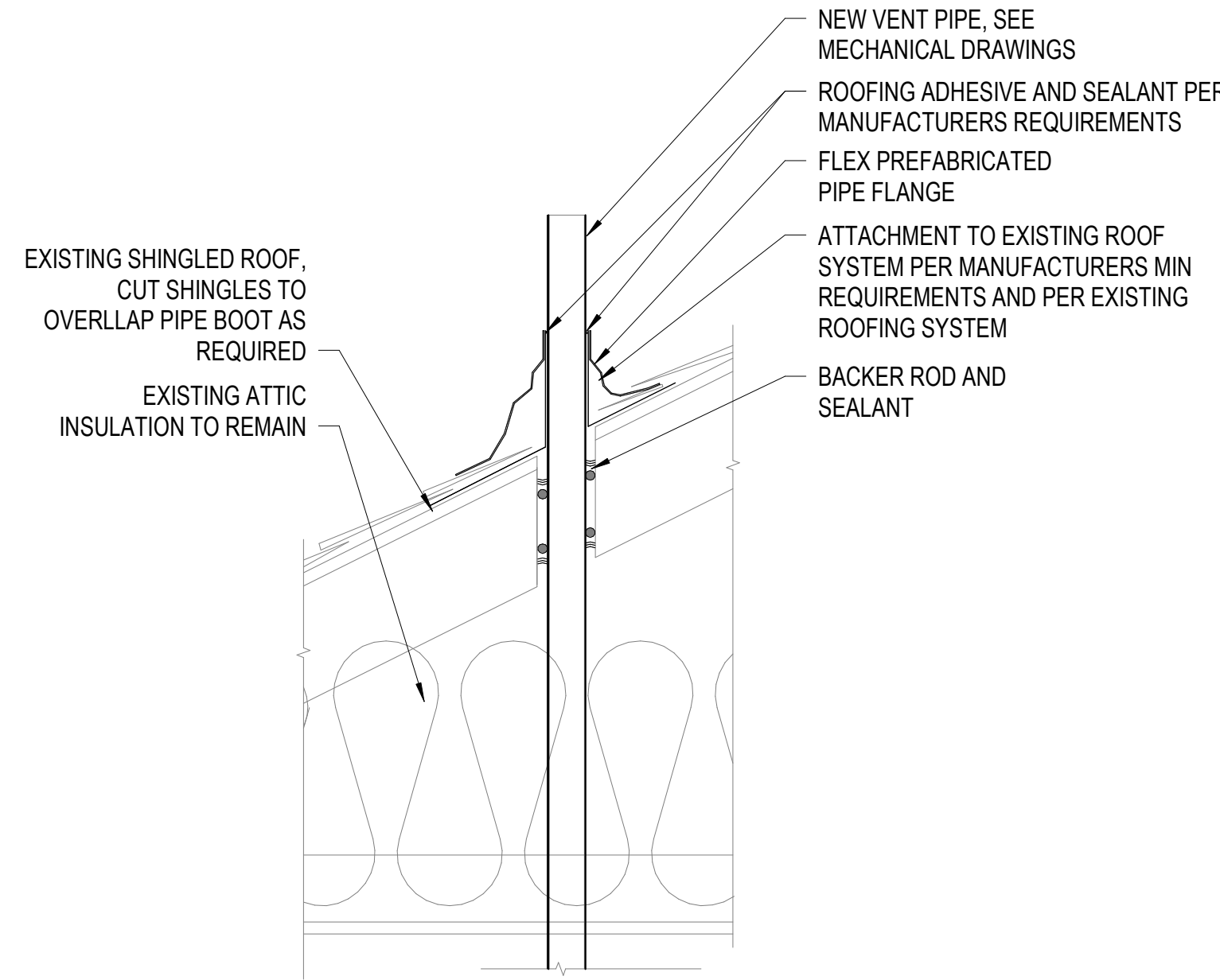
DOOR SCHEDULE															
MARK	DOOR					FRAME			FIRE RATING LABEL	HARDWARE SET	NOTES				
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	ELEVATION	GLAZING	MATERIAL				ELEVATION	HEAD	JAMB	SILL
111A	3'-0"	6'-10"	1 3/4"	HM	PAINT	D1		HM	F1	1/A104	2/A104		90 MIN		REUSE EXISTING HARDWARE/SECURITY



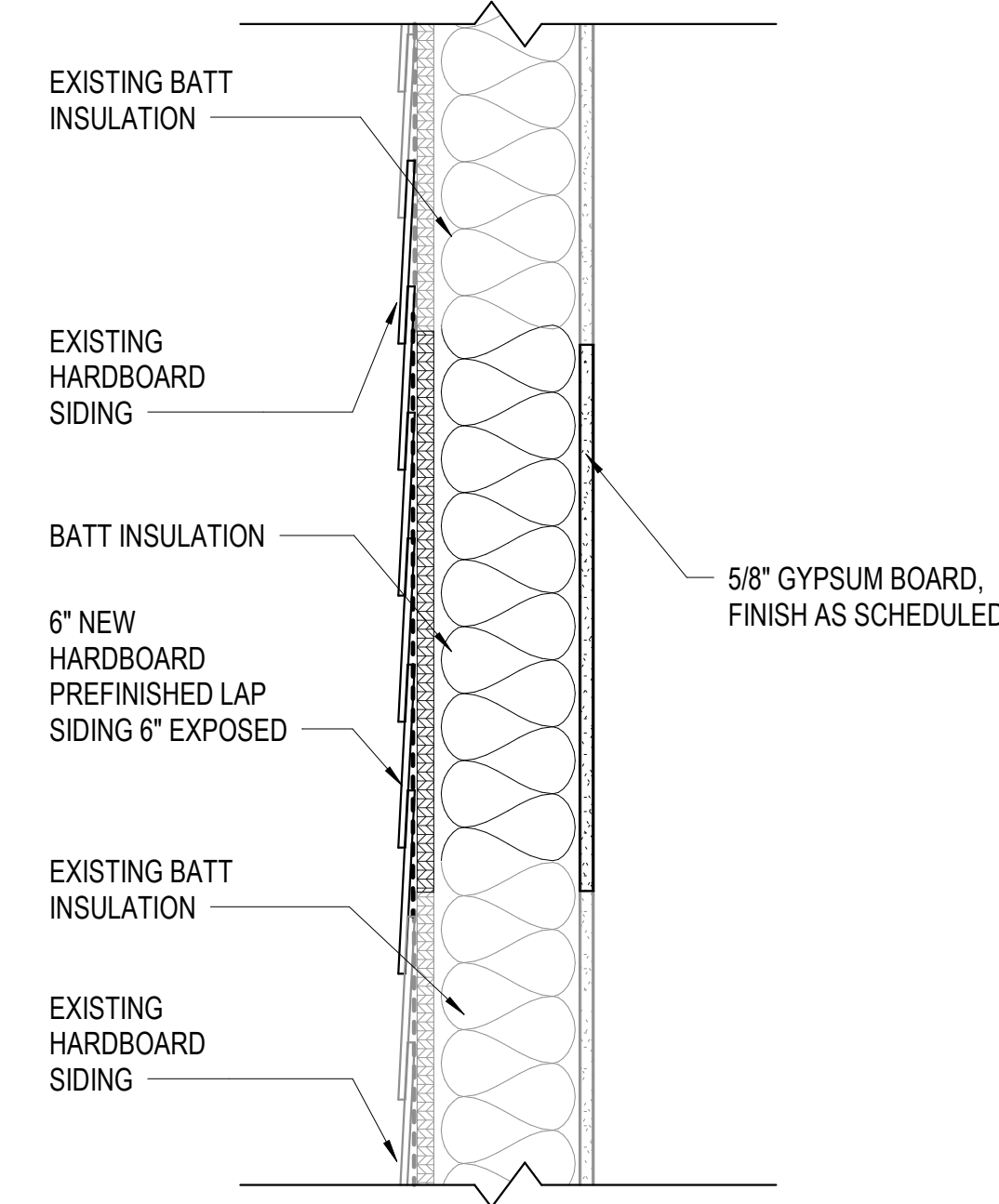
1 TYPICAL HEADER
3" = 1'-0"



2 TYPICAL JAMB
3" = 1'-0"



3 ROOF PENETRATION DETAIL
1 1/2" = 1'-0"



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

100% CONSTRUCTION DOCUMENTS	03/31/2022
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35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

700 Nicholas Blvd, Suite 300
 8th Floor, Virginia Beach, VA 23510
 T: 757.252.9362 F: 757.952.9403
 www.bancroft-ae.com
 VA CONTRACT NO. 36C26319D0044 Bancroft Project No. 18-121

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Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
ARCHITECTURAL - MISC.DETAILS AND
SCHEDULES

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Location PINE RIDGE VA CLINIC	Building Number Pine Ridge Clinic
Issue Date 03/31/2022	Checked CZ
Drawn LD	Drawing Number A104

PLUMBING GENERAL NOTES

PLUMBING MATERIALS AND PROCEDURES NOTES

PLUMBING SYMBOL LIST

SEE ALL PROJECT GENERAL NOTES AND OTHER REQUIREMENTS INCLUDING THE LIFE SAFETY AND INFECTION CONTROL REQUIREMENTS LOCATED WITHIN THE GENERAL DRAWINGS SECTION. COMPLY WITH ALL REQUIREMENTS AS THEY ARE A DIRECT PART OF THIS SECTION AND AS IF THEY WERE DIRECTLY INCLUDED AND PROVIDED BELOW.

- 18. ALL NEW SANITARY PIPING SHALL BE GIVEN A FULL STATIC PRESSURE TEST. METHOD OF TEST AND REQUIREMENTS TO BE MET SHALL BE AS PER THE SPECIFICATIONS AND IN CONJUNCTION WITH ALL LOCAL, STATE AND FEDERAL CODE REQUIREMENTS ALONG WITH ALL REQUIREMENTS OF THE VA, BOTH FEDERAL AND LOCAL.

- 1. THE PLUMBING FIXTURE AND EQUIPMENT SCHEDULE, IN GENERAL, SPECIFIES THE PLUMBING FIXTURES, EQUIPMENT AND DEVICES. HOWEVER, UNLESS NOTED OTHERWISE, ALL FIXTURES SHALL BE PROVIDED WITH APPLICABLE ACCESSORIES (SUCH AS SUPPLY STOPS, WASTE TRAPS, FIXTURE MOUNTING SUPPORTS, BOLT CAPS, WATER CLOSET SEATS, ETC., AS REQD TO COMPLETE THE INSTALLATION.)

- 1. ALL SUSPENDED HORIZONTAL PIPING SHALL BE SUPPORTED BY HANGERS SPACED NO FURTHER THAN 8' - 0" APART. NO PIPING SHALL BE SELF-SUPPORTING NOR BE SUPPORTED FROM EQUIPMENT CONNECTIONS.

Table with 2 columns: SYMBOL and DESCRIPTION. Lists plumbing symbols like (A) ABANDON IN PLACE, A/E ARCHITECT / ENGINEER, AFF ABOVE FINISH FLOOR, etc.

Table with 2 columns: Description and Date. Lists construction milestones like 100% Construction Documents (03/31/2022), 95% Construction Documents (09/02/2120), etc.

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Office of Construction and Facilities Management

Drawing Title: PLUMBING - GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

Phase: 100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION. Project Title: EHRM INFRASTRUCTURE UPGRADES. Project Number: 568A4-21-703. Building Number: CBOC. Drawing Number: P001.

WATER HEATER SCHEDULE											
EQUIPMENT TAG	LOCATION	BASIS OF DESIGN	NOMINAL GALLON CAPACITY	MODEL	TYPE	DIMENSIONS (IN.)		WEIGHT (LBS)	BTU INPUT (PROPANE GAS) / RECOVERY 80F RISE GALLON PER HOUR		NOTES
						H	DIA				
WH-1	MECHANICAL ROOM	AO SMITH	60	BTH-120 MXI	COMMERCIAL GAS WATER HEATER	55.5	27.75	490	120000	172	1,2,3,4

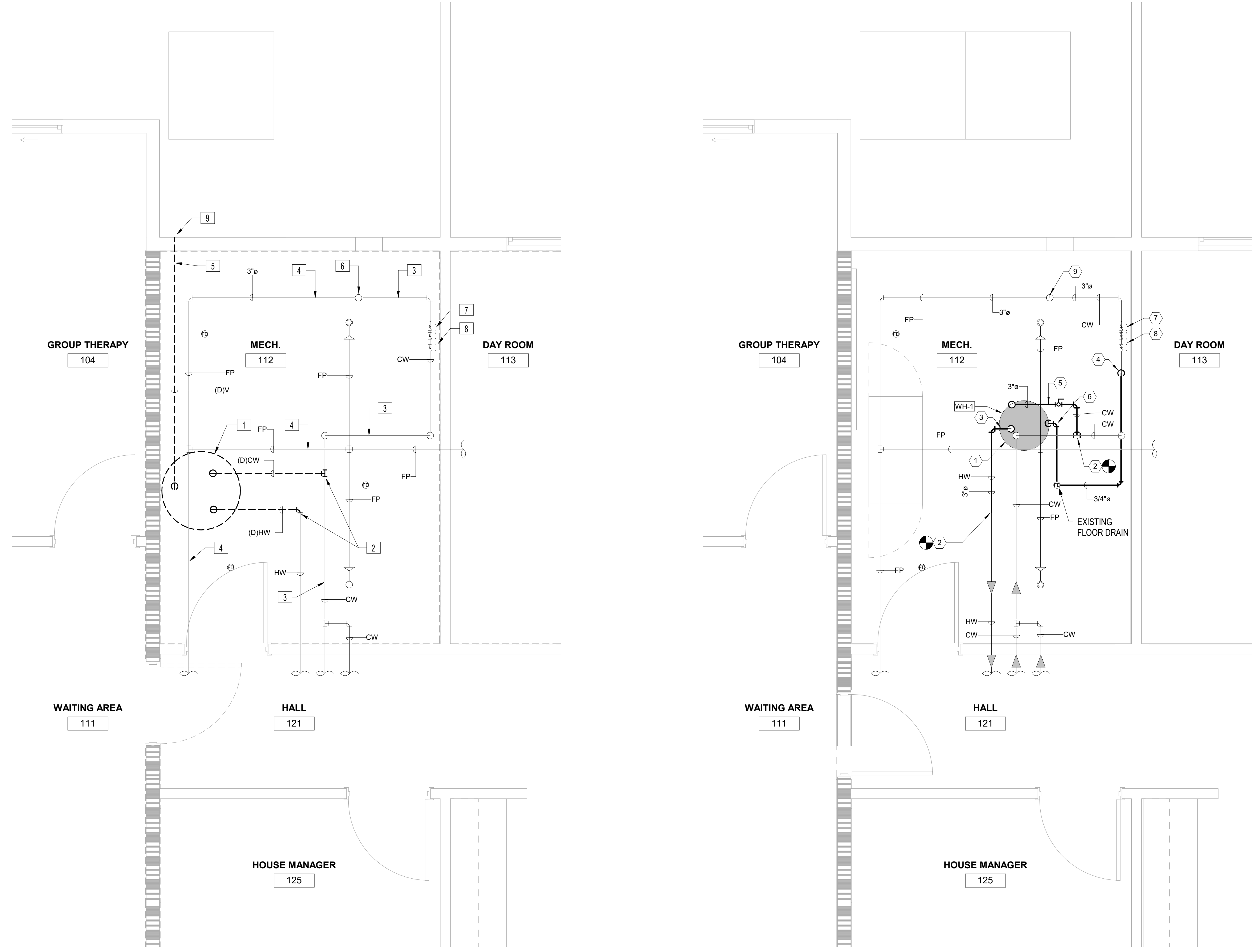
NOTES:

- ACCEPTABLE MANUFACTURERS: VA APPROVED EQUALS.
- WATER HEATER SHALL RUN ON PROPANE.
- PROVIDE WITH 4" VERTICAL CONCENTRIC VENT.
- DIRECT VENT INTAKE AND EXHAUST PIPE TO USE CONCENTRIC VENT ASSEMBLY.

- GENERAL PLUMBING NOTES**
- CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH VA/COR FOR ALL PLUMBING SERVICE OUTAGES.
 - EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
 - ABANDONED AND/OR DEAD LEG PIPING WILL NOT BE ALLOWED AND SHALL BE REMOVED EVEN IF NOT SHOWN ON DRAWINGS.
 - ALL PENETRATIONS SHALL BE SEALED WITH FIRE PROOFING.
 - REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL.
 - CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING PIPING NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK.
 - ALL ASSOCIATED PIPING SHALL INCLUDE BUT NOT BE LIMITED TO CW, HW, HWC, SANITARY AND VENT PIPING.
 - ALL PIPING SHALL BE 3/4" DIA. MINIMUM UNLESS OTHERWISE NOTED.
 - ALL DOMESTIC PIPING BEING DEMOLISHED TO MAIN SHALL BE CAPPED AT 1.5X THE DIAMETER OF BRANCH PIPING. NO DEAD ENDS OR STUBS ARE ALLOWED IN DOMESTIC WATER PIPING. ALL DEAD END PIPING MUST BE CAPPED.
 - ALL DOMESTIC WATER PIPES SHALL BE INSULATED.
 - CONTRACTOR SHALL VERIFY USE OF MECHANICAL PRESS-CONNECT FITTINGS FOR COPPER PIPE AND TUBE WITH VA/COR PRIOR TO COMMENCING WORK.

- PLUMBING DEMOLITION KEY NOTES**
- EXISTING WATER HEATER TO BE REMOVED. REMOVE WATER HEATER AND ALL ASSOCIATED PIPING, INSULATION, CONTROLS, ETC. REMOVE PIPING BACK TO MAIN AND CAP.
 - LIMIT OF PIPING DEMOLITION. REMOVE DOMESTIC HOT AND COLD WATER PIPING, VALVING, INSULATION, PIPE HANGERS, ETC. BACK TO INDICATED LOCATION AND CAP.
 - EXISTING DOMESTIC COLD WATER PIPING. PROTECT DURING CONSTRUCTION.
 - EXISTING FIRE PROTECTION MAIN. PROTECT DURING CONSTRUCTION.
 - DEMOLISH HOT WATER HEATER FLU PIPING. REPAIR PENETRATION OF EXTERIOR WALL ACCORDING TO ARCHITECT'S INSTRUCTIONS.
 - CHILLED WATER ENTERS BUILDING THROUGH FLOOR.
 - EXISTING DOMESTIC WATER BACKFLOW PREVENTER TO REMAIN.
 - EXISTING DOMESTIC WATER PRESSURE REDUCING VALVE TO REMAIN. CONTRACTOR TO REBALANCE AS NECESSARY TO MEET REQUIRED FLOW RATES.
 - DEMOLISH AND REMOVE EXISTING PIPE THROUGH WALL. REFER TO ARCHITECTURAL DRAWINGS FOR INSTRUCTIONS TO PATCH WALL.

- PLUMBING KEY NOTES**
- FURNISH AND INSTALL NEW DOMESTIC WATER HEATER WH-1.
 - CONNECT NEW DOMESTIC HOT AND COLD WATER PIPES TO EXISTING MAINS. MATCH EXISTING PIPE SIZES.
 - LOCATE THERMOCOUPLE AS CLOSE TO WATER HEATER HOT WATER DISCHARGE AS POSSIBLE. PROVIDE STAINLESS STEEL CLAMP TO SECURE THERMOCOUPLE TO PIPING. INSTALL INSULATION OVER THERMOCOUPLE.
 - CONDENSATE DRAIN CONNECTION TO DFES-1.
 - INSTALL ISOLATION VALVE ON COLD WATER INLET TO DOMESTIC WATER HEATER.
 - MAKE HOT WATER DRAIN CONNECTION TO FLOOR DRAIN.
 - EXISTING DOMESTIC WATER BACKFLOW PREVENTER TO REMAIN.
 - EXISTING DOMESTIC WATER PRESSURE REDUCING VALVE TO REMAIN. CONTRACTOR TO REBALANCE AS NECESSARY TO MEET REQUIRED FLOW RATES.
 - DOMESTIC WATER SUPPLY UP THROUGH FLOOR. WATER SPLITS BETWEEN FIRE PROTECTIONS AND DOMESTIC COLD WATER.



1 PLUMBING ENLARGED DEMOLITION PLAN
1/2" = 1'-0"

2 PLUMBING ENLARGED CONSTRUCTION PLAN
1/2" = 1'-0"

REVIEW ONLY - NOT FOR CONSTRUCTION

Revisions:	Date:
100% Construction Documents	03/31/2022
100% Construction Documents	02/17/2022
100% Construction Documents	01/14/2022
100% Construction Documents Revised Comments	12/09/2021
100% Construction Documents	9/16/2021
95% Construction Documents	09/02/2120
65% Design Development	07/29/2021

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044

700 Nicholas Blvd, Suite 300
8th Grove Village, # 40000
T: 847.952.9342 F: 847.952.9403
www.bancroft-ae.com
Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING ENLARGED PLAN DEMOLITION / NEW CONSTRUCTION

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

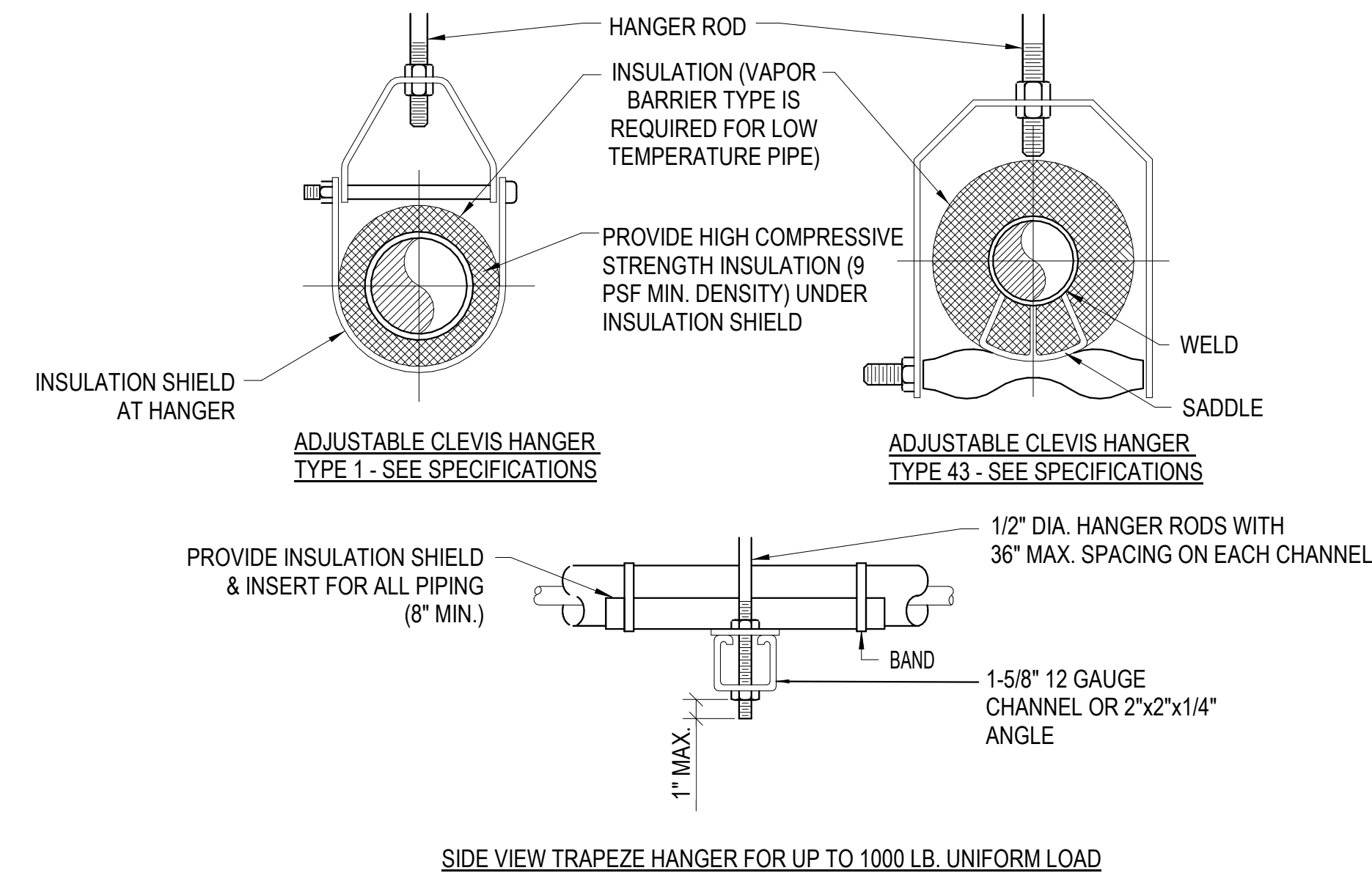
Checked
RAH

Drawn
RRR

Project Number
568A4-21-703

Building Number
CBOC

Drawing Number
P101

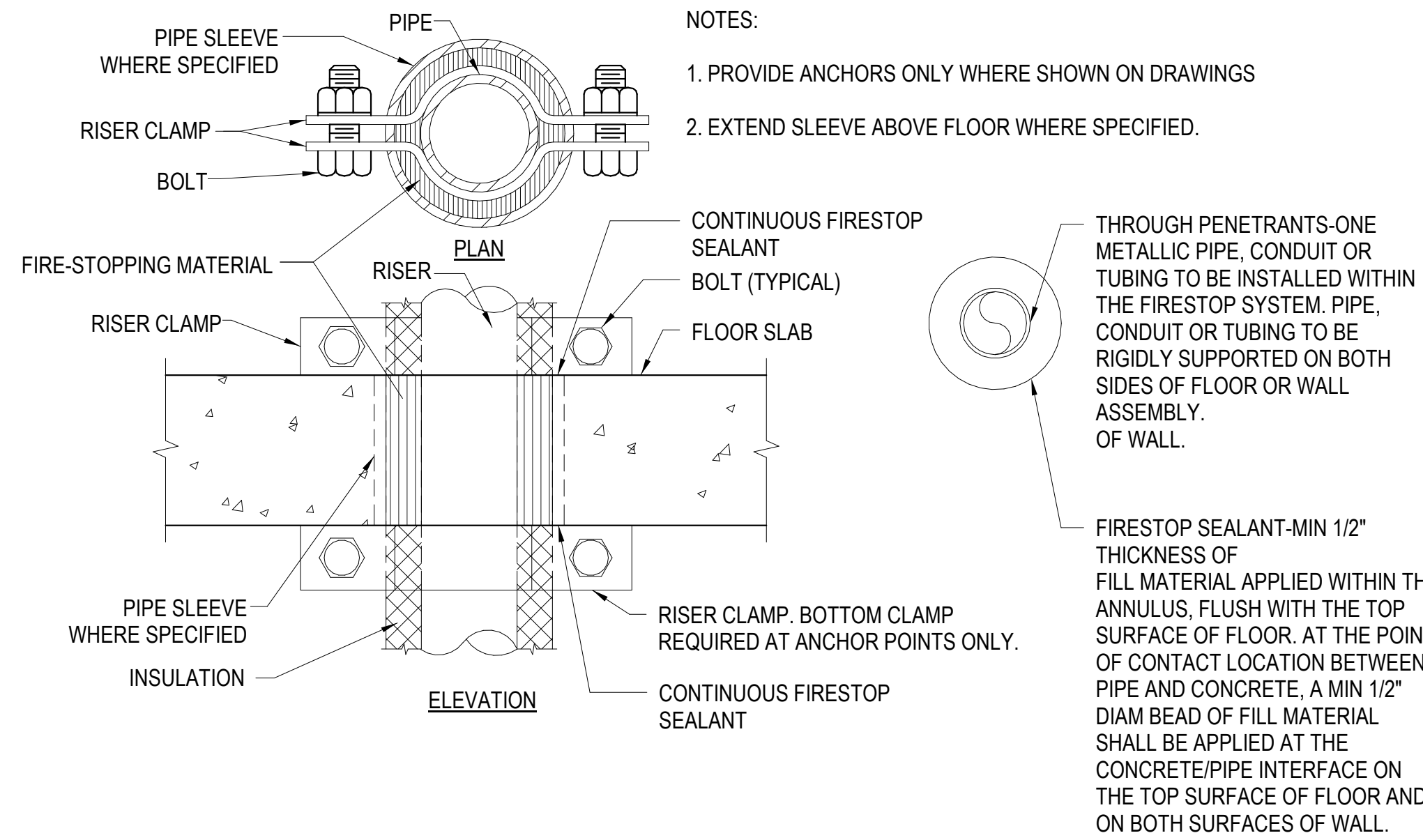


MAXIMUM PIPE/TUBING SUPPORT SPACING

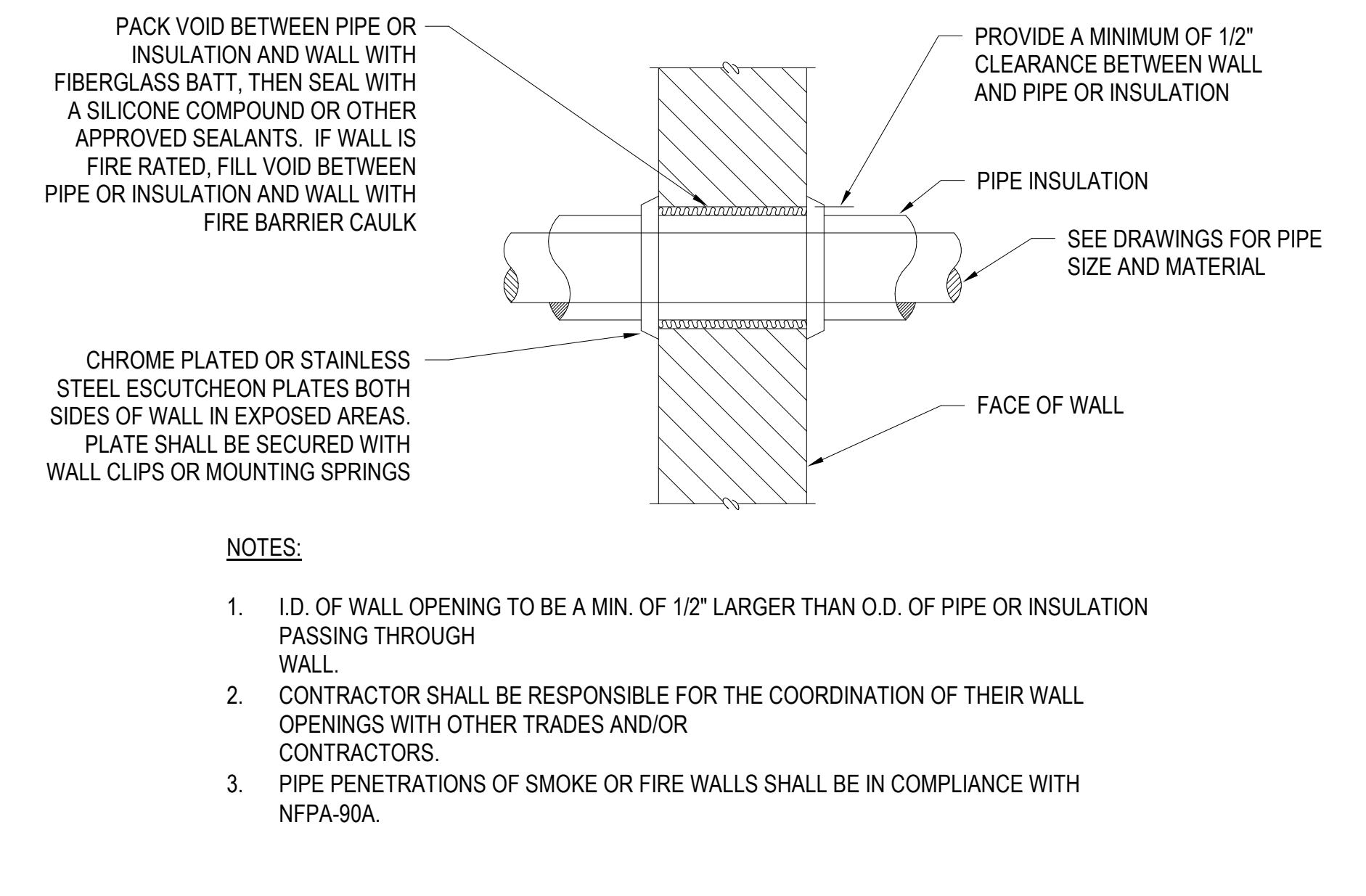
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
PIPE	FT.	7	7	7	9	10	11	12	14
TUBING	FT.	5 FT	6	7	8	8	9	10	12

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

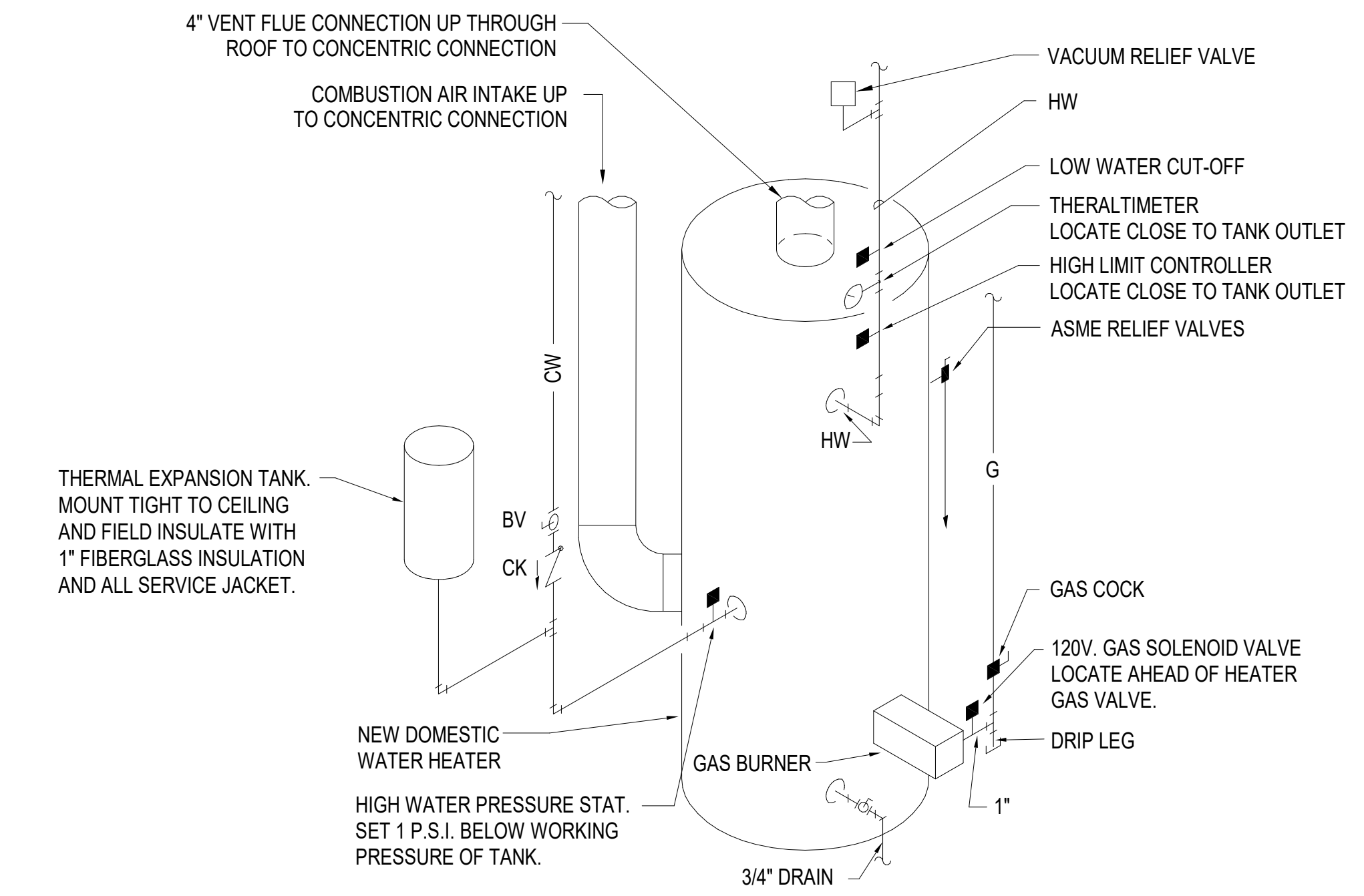
3 PIPE HANGERS
NOT TO SCALE



2 SUPPORT/ANCHOR FOR PIPE RISERS
NOT TO SCALE



1 PIPE PENETRATION OF INTERIOR WALL DETAIL
NOT TO SCALE



4 DOMESTIC WATER HEATER
NOT TO SCALE

Revisions:	Date:
100% Construction Documents	03/31/2022
100% Construction Documents	02/17/2022
100% Construction Documents	01/14/2022
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Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING - DETAILS

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

Checked
RAH

Drawn
RRR

Project Number
568A4-21-703

Building Number
CBOC

Drawing Number
P501

REVIEW ONLY - NOT FOR CONSTRUCTION

MECHANICAL GENERAL NOTES:

SEE ALL PROJECT GENERAL NOTES AND OTHER REQUIREMENTS INCLUDING THE LIFE SAFETY AND INFECTION CONTROL REQUIREMENTS LOCATED WITHIN THE GENERAL DRAWINGS SECTION...

EQUIVALENCY SUBSTITUTIONS: THE "BASIS OF DESIGN (BOD) PROTOCOLS" IS TO BE FOLLOWED FOR ALL EQUIPMENT, MATERIALS AND ASSEMBLIES SPECIFIED AND DETAIL THROUGHOUT ALL DRAWINGS AND SPECIFICATION SECTIONS...

1. CONTRACTOR SHALL FULLY REVIEW ENTIRE SET OF CONTRACT DOCUMENTS, THE DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT NECESSARILY LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, LIFE SAFETY, MEDICAL GAS, ETC. AND SHALL ACKNOWLEDGE AND INCLUDE IN THEIR SCOPE OF WORK ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE WORK.

2. CONTRACTOR SHALL FULLY COORDINATE THEIR WORK WITH THE GENERAL/PRIME CONTRACTOR AND THE INSTALLATION WORK OF OTHER TRADES, AND FULLY PROVIDE ALL NECESSARY FIELD ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE FINAL FULLY COORDINATED SOW INSTALLATION(S).

3. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND FULLY INFORM THEMSELVES AS TO ALL CONDITIONS AND MATTERS THAT CAN, IN ANY WAY, AFFECT THE WORK OR THE COST THEREOF.

4. SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS, OR BE IN DOUBT AS TO THEIR MEANING, NOTIFY THE VA/CO AT ONCE IN WRITING OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND WORK, OR BETWEEN THEIR WORK AND THE WORK OF OTHER TRADES AND OBTAIN CLARIFICATION FROM THE VA/CO PRIOR TO SUBMITTING ANY BID...

5. DRAWINGS ARE INTENDED TO BE GENERALLY DIAGRAMMATIC AND ARE NOT TO BE SCALED FOR LAYOUTING AND WORK. USE THE GIVEN DIMENSIONS AND SIZES AS INDICATED AND COORDINATE ALL LOCATION, HEIGHT, ELEVATION AND CLEARANCE REQUIREMENTS WITH ALL CONTRACTORS...

6. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, IS NOT INTENDED TO SHOW EVERY RISE, DROP, OFFSET, FITTING OR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK...

7. IT IS THE INTENT OF THESE DOCUMENTS THAT THE MECHANICAL CONTRACTOR PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS FOR THE COMPLETE INSTALLATION OF ALL WORK SHOWN ON THE PLANS, INCLUDED IN THE SPECIFICATIONS, AND/OR DESCRIBED HEREIN AND DOING ALL DEVICES, CONTROLS, AND APPURTENANCES REQUIRED TO TEST AND PROVIDE COMPLETED SYSTEMS IN FULL FUNCTIONAL OPERATION.

8. SHOULD CONDITIONS NECESSITATE ANY REARRANGEMENTS OR IF ANY SYSTEMS LAYOUT CAN BE RUN TO BETTER ADVANTAGE, PREPARE AND SUBMIT SHOP DRAWINGS SHOWING THE REQUESTED CHANGES BEFORE PROCEEDING WITH THE WORK...

9. CONTRACTOR SHALL FIELD VERIFY ALL MOUNTING REQUIREMENTS, ARRANGEMENTS, HEIGHTS, LOCATIONS, AND SUPPORTS PRIOR TO PERFORMING ANY ROUGH-IN WORK. NO ROUGH-IN WORK WILL BE ALLOWED TO BEGIN UNTIL THE CONTRACTOR OBTAINS BOTH GENERAL/PRIME CONTRACTOR AND VA/CO APPROVAL...

10. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE TEMPERATURE CONTROL SYSTEM AS SPECIFIED AND AS REQUIRED TO FULLY INTEGRATE WITH ALL EXISTING AND NEW EQUIPMENT AND SYSTEMS AS WELL AS WITH THE EXISTING BAS.

11. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPROPRIATE VA DESIGN GUIDES/MANUALS, CURRENT FEDERAL BUILDING CODES, REGULATIONS, AND REQUIREMENTS, LOCAL UTILITY COMPANY REQUIREMENTS, AND ASHRAE STANDARDS.

12. CONTRACTOR SHALL PAY ALL PERMIT FEES, PLAN REVIEW FEES, LICENSE FEES, INSPECTIONS, AND ALL RELATED EXPENSES APPLICABLE TO THEIR DIVISION/WORK IF REQUIRED ON THIS PROJECT. ALL SUCH COSTS/EXPENSES SHALL BE INCLUDED IN THEIR BASE BID CONTRACT AMOUNT AS IDENTIFIED AND COORDINATED WITH THE GENERAL/PRIME CONTRACTOR.

13. CONTRACTOR SHALL BE LICENSED, BONDED, INSURED AND CAPABLE OF PERFORMING QUALITY WORKMANSHIP AND GUARANTEES HIS WORK AND MATERIALS FOR THE PERIOD(S) AS REQUIRED IN THE SPECIFICATIONS IN ORDER TO RECEIVE FINAL ACCEPTANCE BY THE VA/CO.

14. CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THEIR PERSONNEL AND ALL OTHERS THROUGHOUT ALL PHASES OF THEIR WORK. THEY SHALL COMPLY WITH ALL VA REQUIREMENTS AND THE APPLICABLE PROVISIONS OF ALL LOCAL, STATE, FEDERAL SAFETY LAWS (OSHA) AND AS RECOMMENDED IN THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" AS ISSUED BY THE ASSOCIATION OF GENERAL CONTRACTORS OF AMERICA...

15. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF ANY OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING...

16. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE FULLY COORDINATED WITH THE GENERAL/PRIME CONTRACTOR FIRST AND IN TURN WITH ALL CONTRACTORS AND THE VA/CO. THE SCHEDULING, SEQUENCING AND PERFORMANCE OF ALL WORK SHALL BE IN STRICT ACCORDANCE WITH SCHEDULE AS APPROVED, STIPULATED AND MODIFIED BY THE VA/CO.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, REMOVAL, REWORK, AND REPLACEMENT OF ALL NEW OR EXISTING BUILDING MATERIALS W/IRRED FOR THE INSTALLATION AND/OR REMOVAL OF THEIR WORK.

18. CONTRACTOR SHALL BE RESPONSIBLE TO X-RAY ALL CONCRETE SLABS AND MASONRY CONSTRUCTION IN PLACE PRIOR TO ANY CORING IF REQUIRED.

19. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE TO PROVIDE A LIKE NEW CONDITION THAT IS NOT DISTINGUISHABLE AS A PATCH/REPAIR. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN...

20. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL COORDINATE WITH THE GENERAL/PRIME CONTRACTOR AND MEET ON THE JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK...

21. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA APPROVED BY THE VA/CO. IF MATERIAL IS ALLOWED TO BE STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS OR WOOD PALLETS, AND BE COMPLETELY COVERED WITH WATERPROOF TARP OR HEAVY DUTY VISQUEEN THAT IS PROPERLY TIED DOWN AND SECURED...

22. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE VA/CO FOR APPROVAL, AS REQUIRED IN THE PROJECT SPECIFICATIONS. PRIOR TO THE START OF INSTALLATION OF ANY WORK REQUIRING AN APPROVED SUBMITTAL, AN APPROVED SUBMITTAL REQUIRES THE VA/CO APPROVAL AND THE SUCCESSFUL REVIEW OF THE A/E. BOTH PROPERLY DOCUMENTED ON THE FINAL SHOP DRAWING TO BE ISSUED FOR ASSEMBLY AND/OR CONSTRUCTION.

23. CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE VA/CO BEFORE THE CLOSE-OUT OF THE PROJECT AS PER THE CONTRACT REQUIREMENTS. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED IN THE VA APPROVED ELECTRONIC REPRODUCIBLE FORMAT.

24. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE STARTUP, TESTING, ADJUSTMENTS AND MODIFICATIONS REQUIRED OF ALL EQUIPMENT AND SYSTEMS THAT ARE A PART OF THEIR WORK.

25. THIS CONTRACTOR SHALL PROVIDE A COMPETENT OPERATING TECHNICIAN TO INSTRUCT THE VA PERSONNEL IN THE OPERATION AND MAINTENANCE OF THE EQUIPMENT ALONG WITH THE OPERATION OF THE EQUIPMENT CONTROLS.

26. UPON COMPLETION OF THE WORK, THIS CONTRACTOR SHALL REVIEW AND CHECK THEIR ENTIRE PORTION OF WORK, CLEAN EQUIPMENT AND DEVICES, REMOVE SURPLUS MATERIALS AND RUBBISH FROM THE PROPERTY AND LEAVE THE WORK IN NEAT AND CLEAN ORDER AND IN COMPLETE WORKING CONDITION...

27. ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL OR BY STANDING ON PERMANENT PLATFORMS WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS AND CONTROL DEVICES...

28. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, LEAD, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS...

29. ALL EQUIPMENT DEVICES REQUIRING PIPING CONNECTIONS SHALL BE INSTALLED WITH UNIONS IN SUCH A MANNER TO FACILITATE EASY REMOVAL AND MAINTENANCE OF EQUIPMENT WITHOUT DISRUPTING SERVICE AND CAUSING MAJOR PIPING REVISIONS.

30. ALL PIPING CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH THE APPROPRIATE DIELECTRIC UNIONS, COUPLINGS OF FITTINGS.

31. IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS, OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE VA/CO DURING BIDDING AND/OR DURING THE CONSTRUCTION PHASES, SHALL BE PROVIDED.

32. MEP CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE PRESENCE OF EXISTING REINFORCING BARS AND CONDUIT AS WELL AS DETERMINE ITS EXACT LOCATION IN THE EXISTING FLOOR SLAB PRIOR TO ANY CORING AND/OR DRILLING WORK TAKING PLACE.

33. THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS OF DESIGN FOR PERFORMANCE AS WELL AS THE BASIS FOR DIMENSIONAL DESIGN. SEE THE "BASIS OF DESIGN (BOD)-PROTOCOLS" ESTABLISHED IN THE GENERAL DRAWINGS THAT ARE TO BE ADHERED TO FOR ALL EQUIPMENT, MATERIAL OR ASSEMBLY EQUIVALENT SUBSTITUTIONS BEING REQUESTED FOR CONSIDERATION...

MECHANICAL EQUIPMENT NOTES:

1. ALL EQUIPMENT/DEVICES SHALL BE AND OF FIRST RATE QUALITY AND IS TO BEAR THE APPROPRIATE AGA, CSA OR UL APPROVED LABELS, LISTINGS, AND CERTIFICATIONS FOR THE SPECIFIC DESIGN PURPOSE.

2. ALL EQUIPMENT SOUND LEVELS SHALL NOT EXCEED 50 DB AT PROPERTY LINE.

3. ALL INTERCONNECTING WIRING AT UNIT SHALL BE FACTORY PRE-WIRED AND REQUIRE ONE (1) POWER CONNECTION TO THE UNIT BY THE ELECTRICAL CONTRACTOR.

4. SUBMIT THE REQUIRED NUMBER OF COPIES OF EACH CATALOG CUT, FOR THE EQUIPMENT SPECIFIED, TO THE VA/CO FOR APPROVAL AND TO THE A/E FOR HIS/HER SUCCESSFUL REVIEW PRIOR TO THE BEGINNING OF CONSTRUCTION. THIS CONTRACTOR SHALL ALSO ASSEMBLE PRINTED INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF EACH ITEM INSTALLED AND BIND TOGETHER WITH EQUIPMENT CUTS AND CONTROL WIRING DIAGRAMS...

5. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL STEEL MEMBERS, SLEEVES, AND SHIMS REQUIRED TO LEVEL AND SUPPORT EQUIPMENT.

6. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT BEING SUBMITTED FOR REVIEW MEETS THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT SUBMITTED FOR REVIEW REQUIRES MODIFICATIONS TO THE WORK OF OTHER CONTRACTORS, SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, THE VA OR THE A/E TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FUNCTION SAFELY AND PROPERLY.

MECHANICAL SYMBOLS AND ABBREVIATIONS

Table listing mechanical symbols and abbreviations such as ACCESS DOOR, AIR CHANGES PER HOUR, BUILDING AUTOMATION SYSTEM, BRAKE HORSEPOWER, BASIS OF DESIGN, BOTTOM OF PIPE, BRITISH THERMAL UNIT, BRITISH THERMAL UNIT PER HOUR, COOLING COIL, CUBIC FEET PER MINUTE, CONTRACTING OFFICER, CONTRACTING OFFICER'S REPRESENTATIVE, CABINET UNIT HEATER, DRAIN LINE, DEMOLISH AND REMOVE, DRY BULB, DOOR HEATER, DOWN, EXISTING TO REMAIN, ENTERING AIR TEMPERATURE, EXHAUST FAN, EXTERNAL STATIC PRESSURE, ENTERING WATER TEMPERATURE, FAHRENHEIT, FINS PER FOOT, FEET PER MINUTE, FLASH TANK, NATURAL GAS, GENERAL CONTRACTOR, GLYCOL, GALLONS PER MINUTE, HORSEPOWER, HOT WATER COIL, HOT WATER RETURN, HOT WATER SUPPLY, HEAT EXCHANGER, LEAVING AIR TEMPERATURE, LOW PRESSURE CLEAN STEAM, LEAVING WATER TEMPERATURE, MINIMUM CIRCUIT AMPS, MAXIMUM OVERCURRENT PROTECTION, MAKE-UP WATER, OUTSIDE AIR, OPEN DRIP PROOF, NECK, PUMPED CONDENSATE RETURN, PRESSURE DROP, PREHEAT COIL, PRESSURE PUMP, POUNDS PER SQUARE INCH, PRESSURE REDUCING VALVE, REVOLUTIONS PER MINUTE, REVERSE OSMOSIS, SUPPLY FAN, SCOPE OF WORK, STATIC PRESSURE, TEMPERATURE CONTROL, TOTAL STATIC PRESSURE, TYPICAL, VOLUME DAMPER, VARIABLE FREQUENCY DRIVE, WET BULB, WATER COLUMN, WATER GAUGE, BUTTERFLY VALVE, GLOBE VALVE, GATE VALVE, CHECK VALVE, BALL VALVE (2" & SMALLER) BUTTERFLY VALVE (2 1/2" & LARGER), 3 WAY CONTROL VALVE, 2 WAY CONTROL VALVE, CIRCUIT BALANCING VALVE W/BALANCING PORTS (8" AND UNDER) CIRCUIT FLOW INDICATOR W/BALANCING PORTS AND MEMORY STOP BUTTERFLY VALVE FOR BALANCING (10" AND ABOVE), AIR FLOW, SOLENOID VALVE, PRESSURE REDUCING VALVE, PLUG VALVE (GAS COCK), PRESSURE RELIEF VALVE (PIPE TO FLOOR DRAIN), DRAIN VALVE WITH HOSE THREADED OUTLET, AUTOMATIC BALL OR BUTTERFLY VALVE, PIPE UNION (OR FLANGES IF 2 1/2" OR LARGER PIPE), CONCENTRIC PIPE REDUCER OR INCREASER, CROSS-SECTION OF EXHAUST DUCT, STEAM TRAP ASSEMBLY, PRESSURE SWITCH (WITH THREAD OR WELD-O-LET), INCLINED RISE (R) OR DROP (D), PRESSURE GAUGE AND NEEDLE VALVE, FLOW SWITCH (WITH THREAD OR WELD-O-LET), THERMOMETER (WITH PIPE WELL), THERMOMETER WELL, TEMPERATURE WELL WITH DDC SENSOR, PRESSURE WELL WITH DDC SENSOR, ROUND FLEXIBLE DUCT, SQUARE OR RECTANGLE DUCT TRANSITION, STRAINER WITH BLOWDOWN VALVE, REFRIGERANT EXPANSION VALVE, DIRECTION OF FLOW, PITCH OF PIPE (DOWN), PIPE ELBOW (TURNED UP), PIPE ELBOW (TURNED DOWN), EQUIPMENT TAG, WALL THERMOSTAT OR TEMPERATURE SENSOR, WALL THERMOSTAT OR TEMPERATURE SENSOR WITH GUARD, WALL HUMIDISTAT, ROUND, PIPING, DUCTWORK, OR EQUIPMENT TO BE REMOVED, DUCT SMOKE DETECTOR, START OF DEMOLITION AT THIS POINT OF LOCATION, CONNECT TO EXISTING, DAMPER, EXISTING TERMINAL UNIT TO BE DEMOLISHED AND REMOVED. RETURN UNIT TO VA, EXISTING RETURN GRILLE TO BE DEMOLISHED AND REMOVED. RETURN TO VA, EXISTING SUPPLY DIFFUSER TO BE DEMOLISHED AND REMOVED. RETURN TO VA, DIFFUSER/GRILLE IDENTIFICATION, DIFFUSER/GRILLE AIRFLOW RATE, DIFFUSER/GRILLE SIZE.

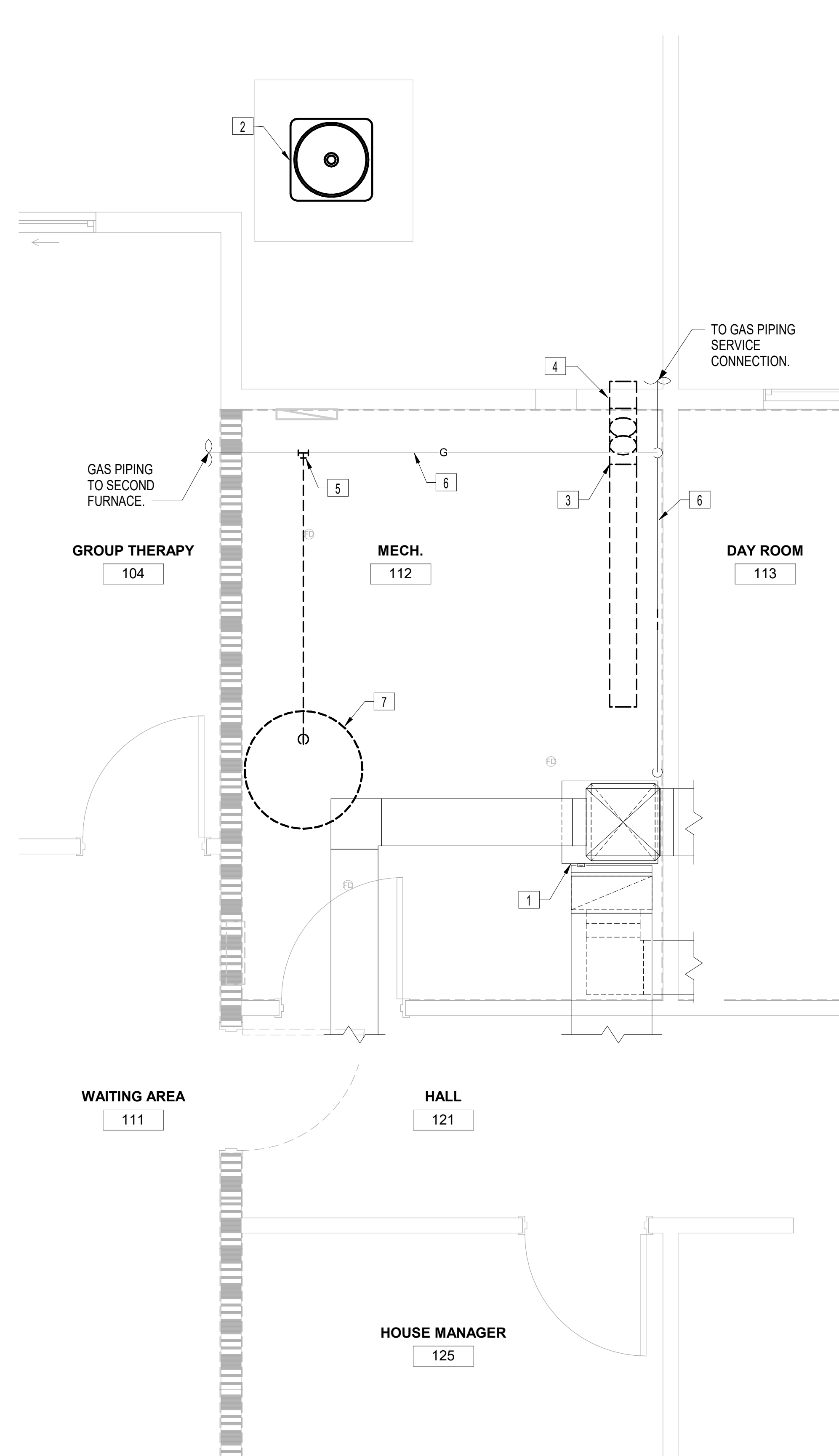
CONSULTANT

ARCHITECT/ENGINEER OF RECORD STAMP. Includes Bancroft logo, name, address (700 Nicholas Blvd, Suite 300), phone/fax numbers, website, and project number (18-121).

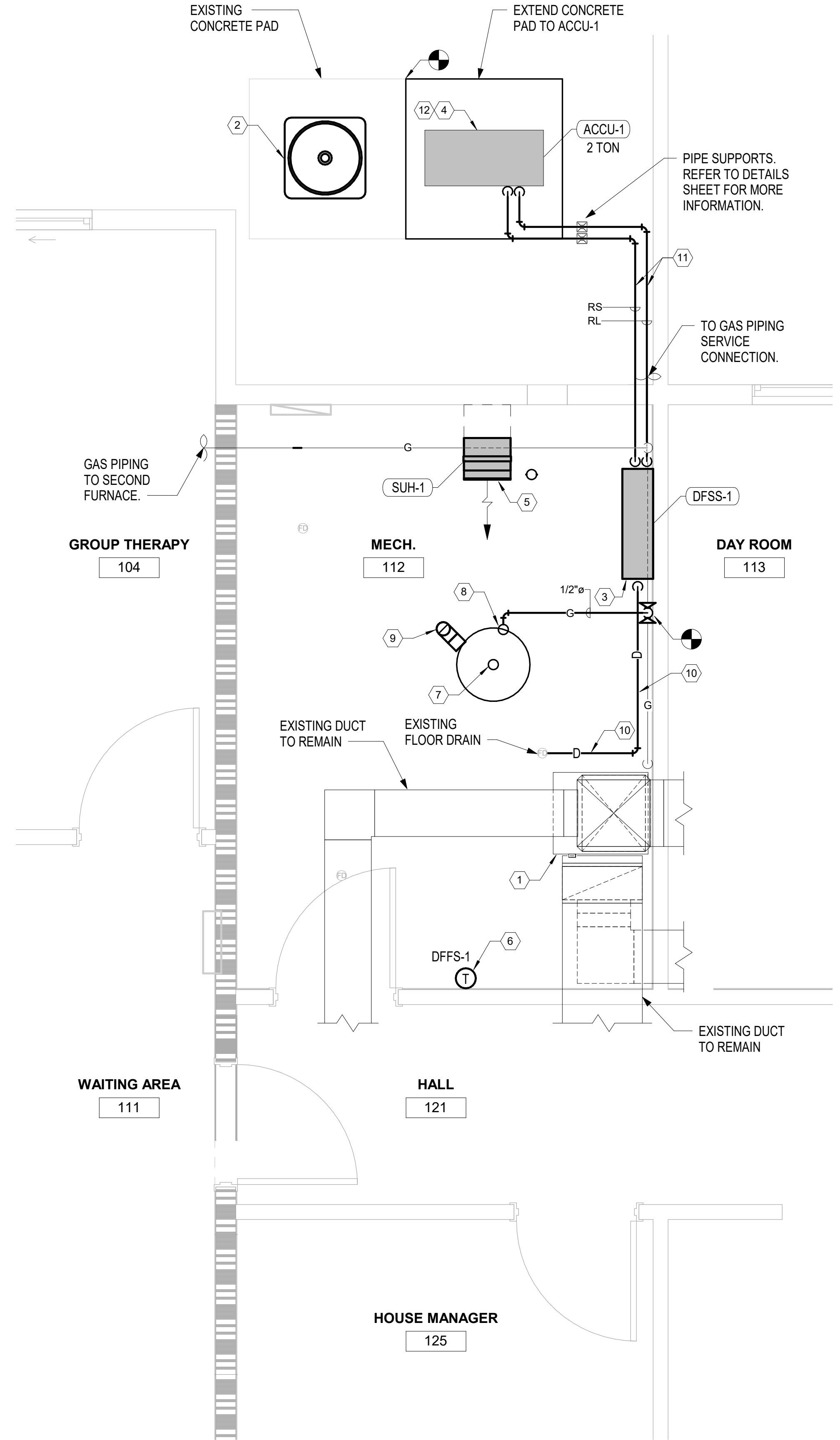
Office of Construction and Facilities Management. U.S. Department of Veterans Affairs. Drawing Title: MECHANICAL - GENERAL NOTES, SYMBOLS, & ABBREVIATIONS. Approved: Project Director.

REVIEW ONLY - NOT FOR CONSTRUCTION. Project Title: EHRM INFRASTRUCTURE UPGRADES. Project Number: 568A4-21-703. Building Number: CBCO. Drawing Number: M001. Issue Date: 03/31/2022. Checked: RAH. Drawn: RRR.

- GENERAL MECHANICAL NOTES**
- A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
 - B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE COR FOR RESOLUTION.
 - C. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. CONTRACTOR TO COORDINATE EXACT LOCATIONS IN FIELD.
 - D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.
 - E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT AND EQUIPMENT.
- MECHANICAL DEMOLITION KEY NOTES**
- 1. EXISTING AIR HANDLING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 2. EXISTING OUTDOOR CONDENSING UNITS TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 3. DEMOLISH DUCTWORK BACK AS SHOWN; CAP AND SEAL.
 - 4. EXISTING 8" OUTDOOR AIR DUCT TO BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR INSTRUCTIONS.
 - 5. DEMOLISH GAS LINE FROM WATER HEATER BACK TO MAIN AT CEILING LEVEL AS SHOWN DASHED. CAP AND SEAL PIPING.
 - 6. EXISTING GAS PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 7. EXISTING WATER HEATER. REFER TO PLUMBING DRAWINGS FOR DEMOLITION INSTRUCTIONS.
- MECHANICAL KEY NOTES**
- 1. EXISTING AIR HANDLING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 2. EXISTING OUTDOOR CONDENSING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
 - 3. FURNISH AND INSTALL NEW DUCTLESS SPLIT AIR CONDITIONER. MOUNT HIGH ON WALL AVOIDING EXISTING OBSTRUCTIONS.
 - 4. FURNISH AND INSTALL CONDENSING UNIT ON OUTDOOR CONCRETE PAD. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE PAD INSTRUCTIONS.
 - 5. FURNISH AND INSTALL SUSPENDED ELECTRIC UNIT HEATER. UNIT HEATER TO BE INSTALLED TO AVOID EXISTING GAS AND FIRE PROTECTION PIPING RUNNING ABOVE.
 - 6. FURNISH AND INSTALL WALL MOUNTED THERMOSTAT TO CONTROL DFSS-1.
 - 7. 4" FLUE THROUGH ROOF. TERMINATE ON ROOF WITH RAIN CAP. SEE DETAILS FOR MORE INFORMATION.
 - 8. MAKE FINAL GAS CONNECTION TO WATER HEATER WITH SHUT-OFF VALVE, UNION AND MIN. 6" DIRT LEG.
 - 9. COMBUSTION AIR INTAKE UP. MATERIAL AND SIZE AS RECOMMENDED BY MANUFACTURER.
 - 10. 3/4" CONDENSATE DRAIN PIPE ROUTED ALONG WALL. PITCH PIPE 1/8" PER FOOT IN DIRECTION OF FLOW AND ROUTE TO NEAREST FLOOR DRAIN. COORDINATE FLOOR DRAIN LOCATION WITH PLUMBING DRAWING SHEET P101.
 - 11. REFRIGERANT LIQUID AND SUCTION LINES SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - 12. CONTRACTOR SHALL FURNISH AND INSTALL CONDENSING UNIT STAND AND ELEVATE 12" ABOVE GROUND. STAND SHALL BE SECURED TO THE GROUND.



2 MECHANICAL ENLARGED DEMOLITION PLAN
1/2" = 1'-0"



1 MECHANICAL ENLARGED CONSTRUCTION PLAN
1/2" = 1'-0"

100% Construction Documents	03/31/2022
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Revisions:	Date:

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BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044

700 Nicholas Blvd, Suite 300
8th Grove Village, # 400007
T: 847.952.9342 F: 847.952.9403
www.bancroft.ae.com
Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL ENLARGED PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title
EHRM INFRASTRUCTURE UPGRADES

Project Number
568A4-21-703

Building Number
CBOC

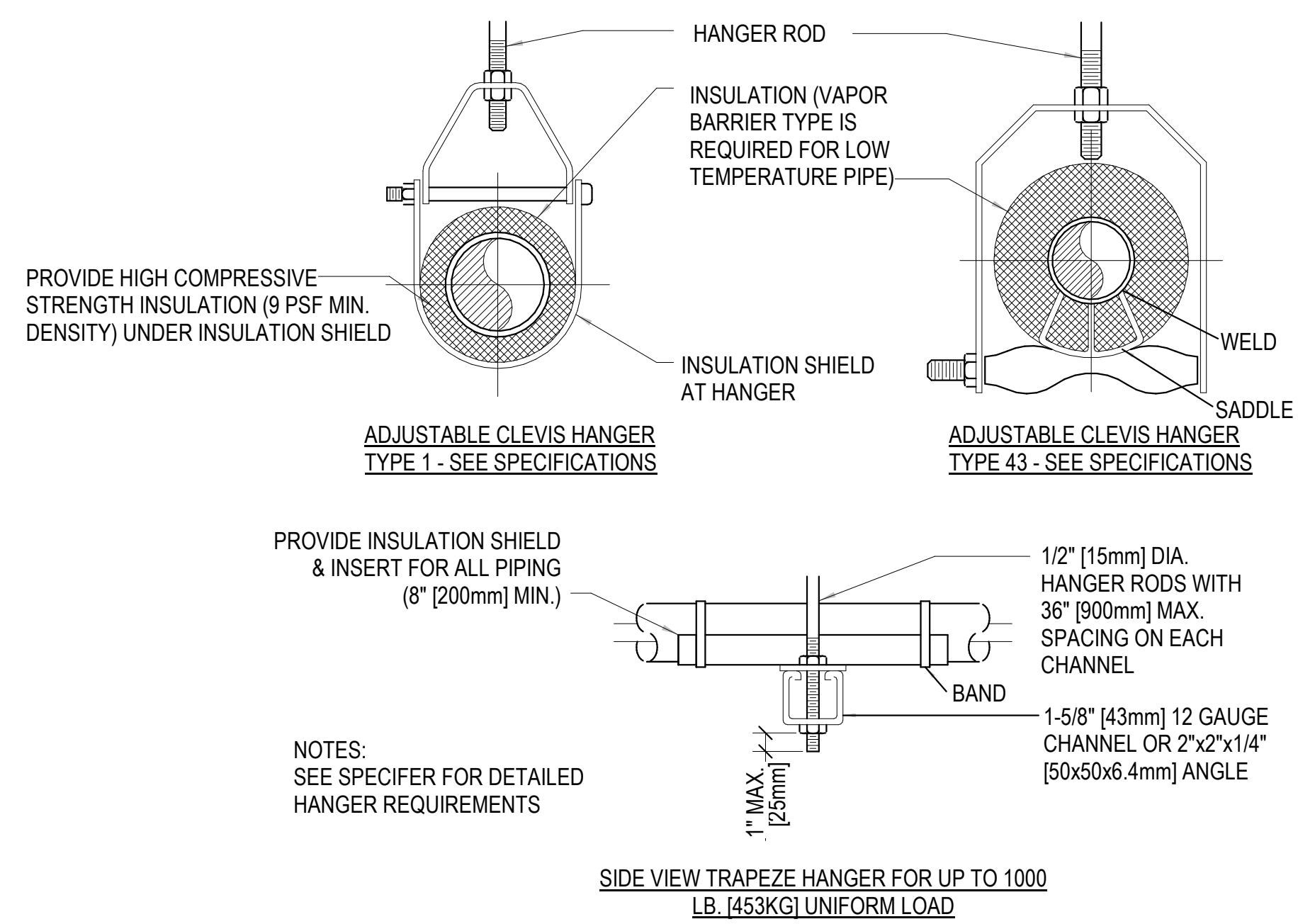
Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

Checked
RAH

Drawn
RRR

Drawing Number
M101

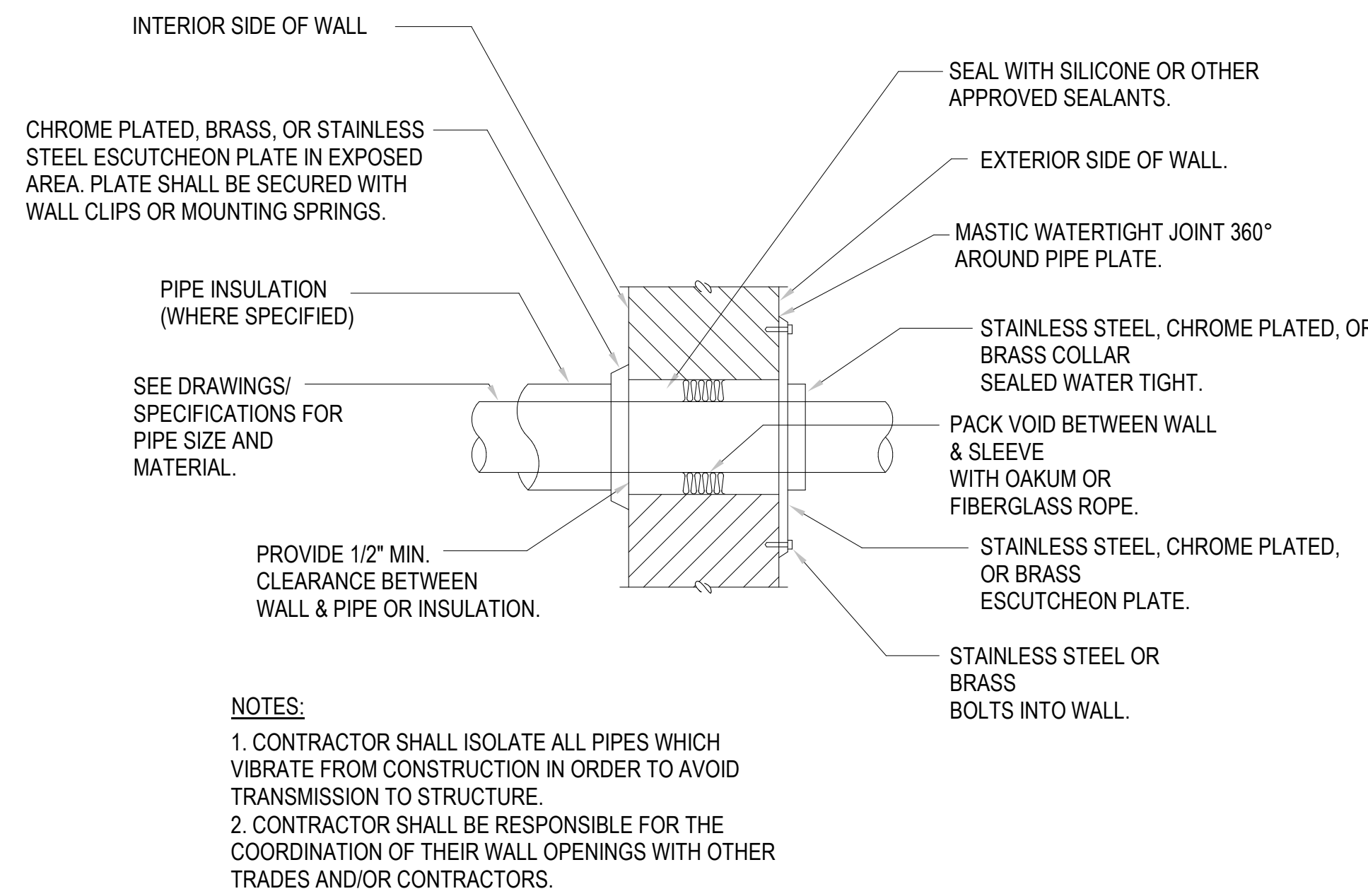


MAXIMUM PIPE/TUBING SUPPORT SPACING																		
NOM. SIZE	IN. [mm]	THRU 3/4 [20]	1 [25]	1 1/4 [32]	2 [50]	2 1/2 [65]	3 [75]	4 [100]	5 [125]	6 [150]	8 [200]	10 [250]	12 [300]	14 [350]	16 [400]	20 [500]	24 [600]	
PIPE	FT. [mm]	7 [2100]	7 [2100]	7 [2100]	9 [2700]	10 [3000]	11 [3300]	12 [3600]	14 [4200]	16 [4800]	17 [5100]	19 [5700]	22 [6700]	23 [7000]	25 [7600]	27 [8100]	30 [9000]	32 [9600]
TUBING	FT. [mm]	5 [1500]	6 [1800]	7 [2100]	8 [2400]	8 [2400]	9 [2700]	10 [3000]	10 [3000]	12 [3600]	12 [3600]	14 [4200]	14 [4200]	16 [4800]	16 [4800]	18 [5400]	18 [5400]	20 [6000]

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

2 PIPE HANGER DETAIL

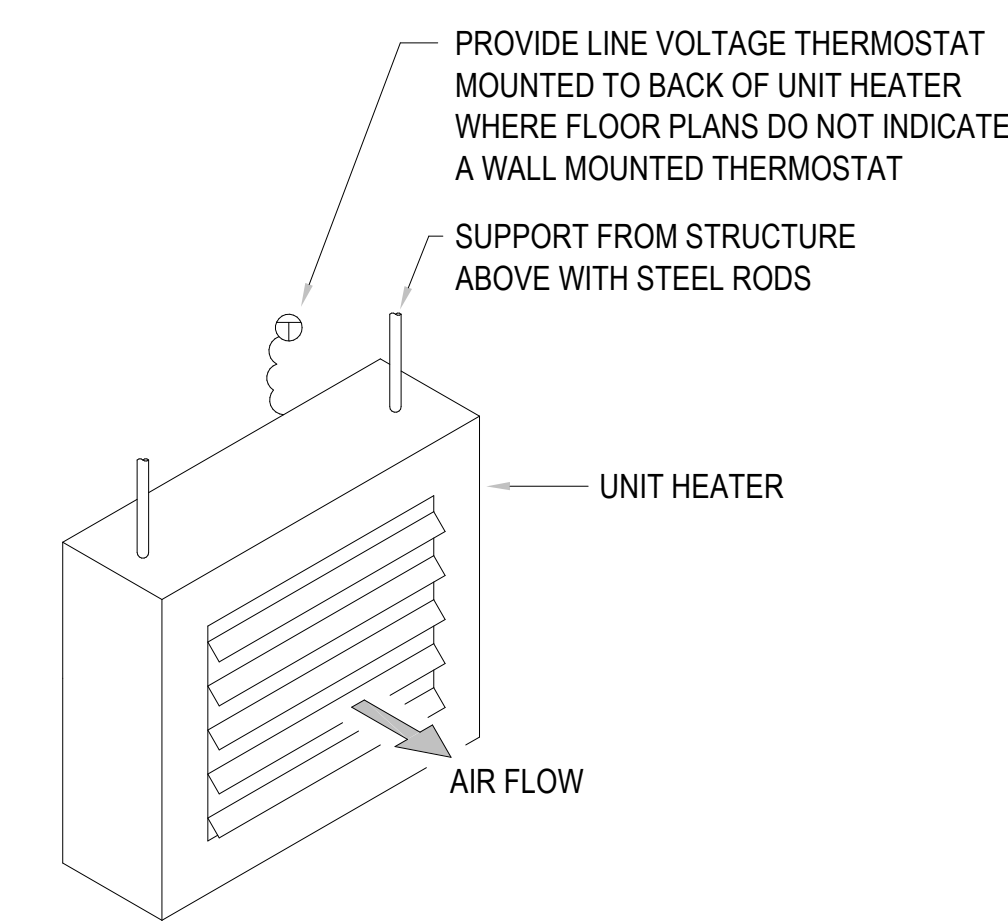
NOT TO SCALE



- NOTES:
- CONTRACTOR SHALL ISOLATE ALL PIPES WHICH VIBRATE FROM CONSTRUCTION IN ORDER TO AVOID TRANSMISSION TO STRUCTURE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WALL OPENINGS WITH OTHER TRADES AND/OR CONTRACTORS.

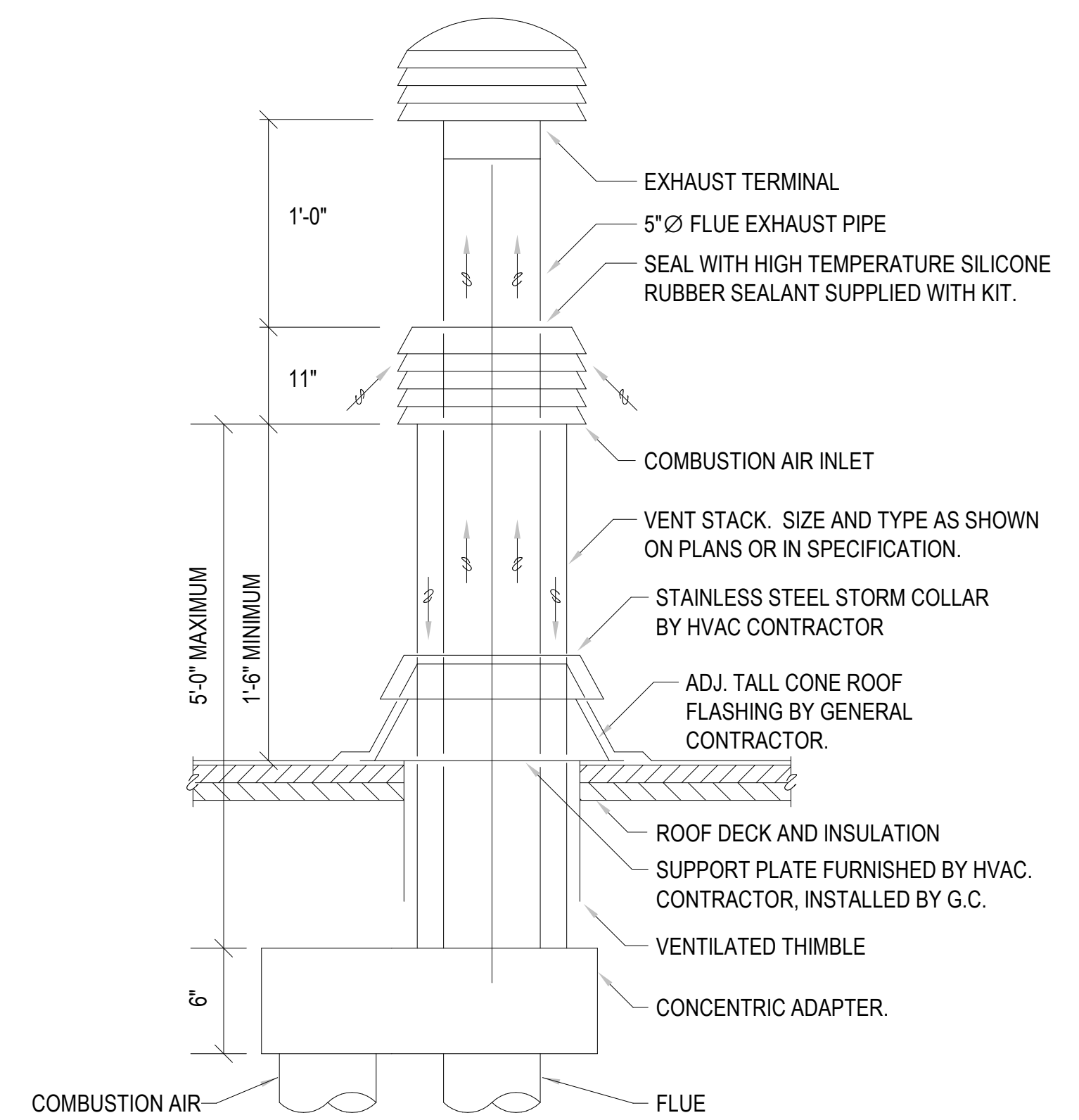
4 EXTERIOR WALL ABOVE GRADE PIPE PENETRATE

NOT TO SCALE



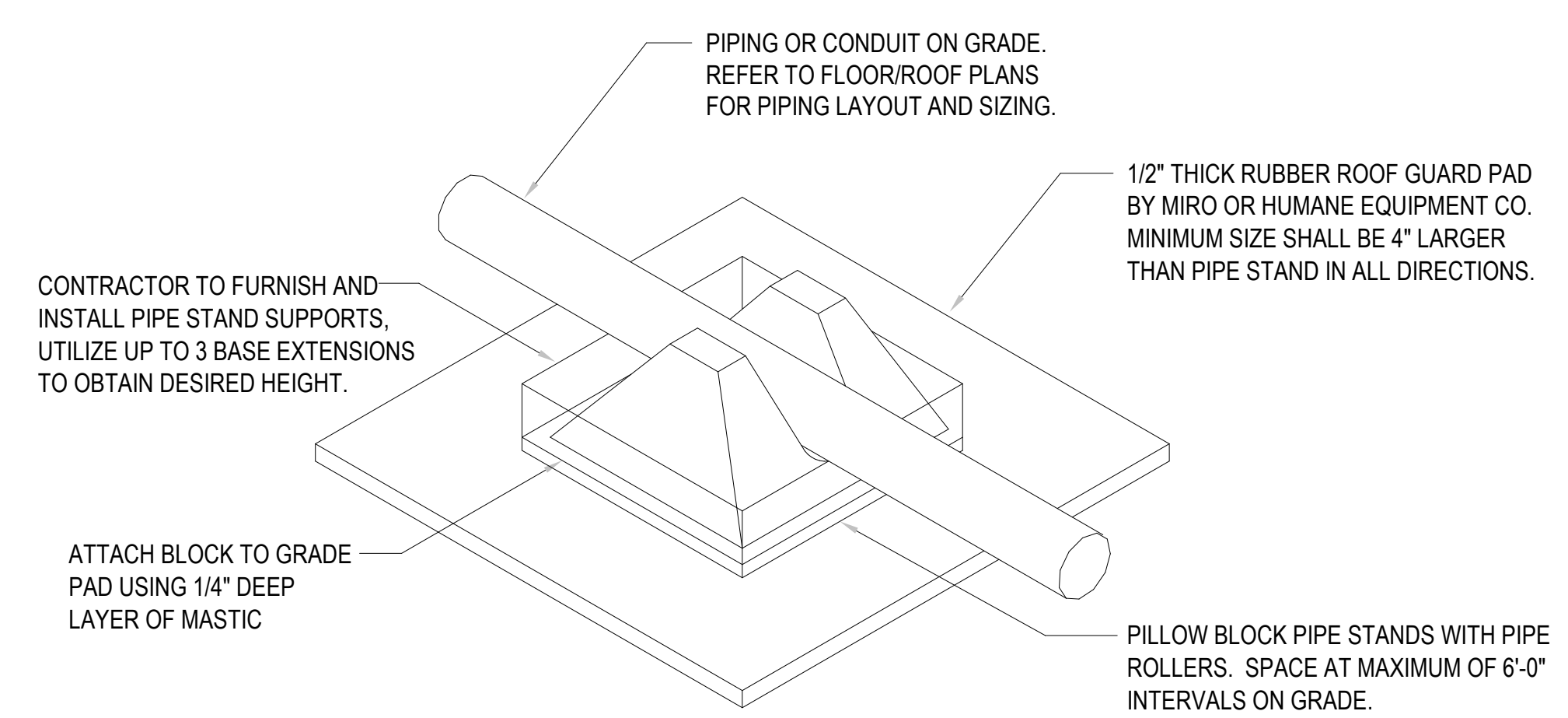
7 SUSPENDED UNIT HEATER (SUH-1)

NOT TO SCALE



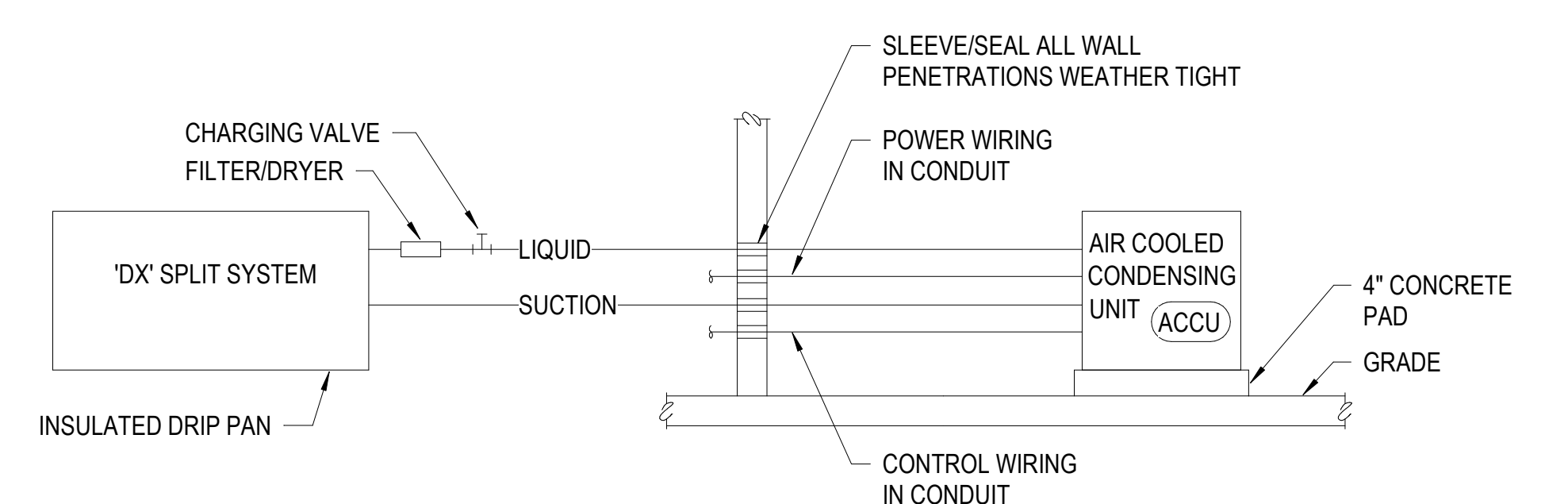
1 FLUE STACK THRU ROOF (WH-1)

NOT TO SCALE



3 PIPING-CONDUIT UP TO 3 IN DIA SUPPORT

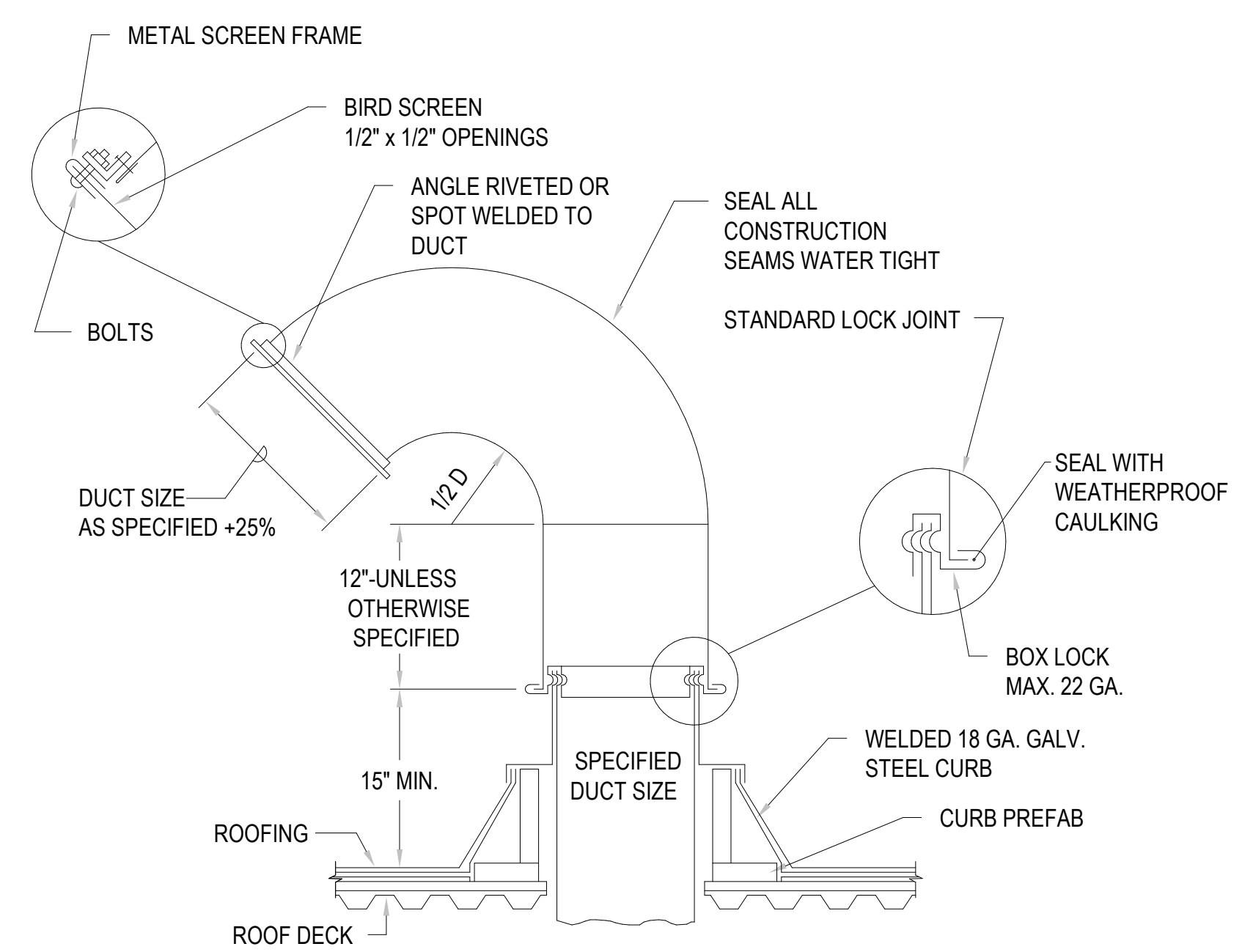
NOT TO SCALE



- NOTES:
- AIR COOLED CONDENSING UNIT AND "DX" COIL SHALL BE COMPATIBLE.
 - SINGLE CIRCUIT REFRIGERANT PIPING AS SHOWN IS TO ILLUSTRATE GENERAL REQUIREMENTS. PIPING SHALL BE SIZED, PITCHED, ARRANGED, AND CIRCUITED PER CONDENSING UNIT MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS INCLUDING AUTOMATIC HOT GAS BYPASS SYSTEM.

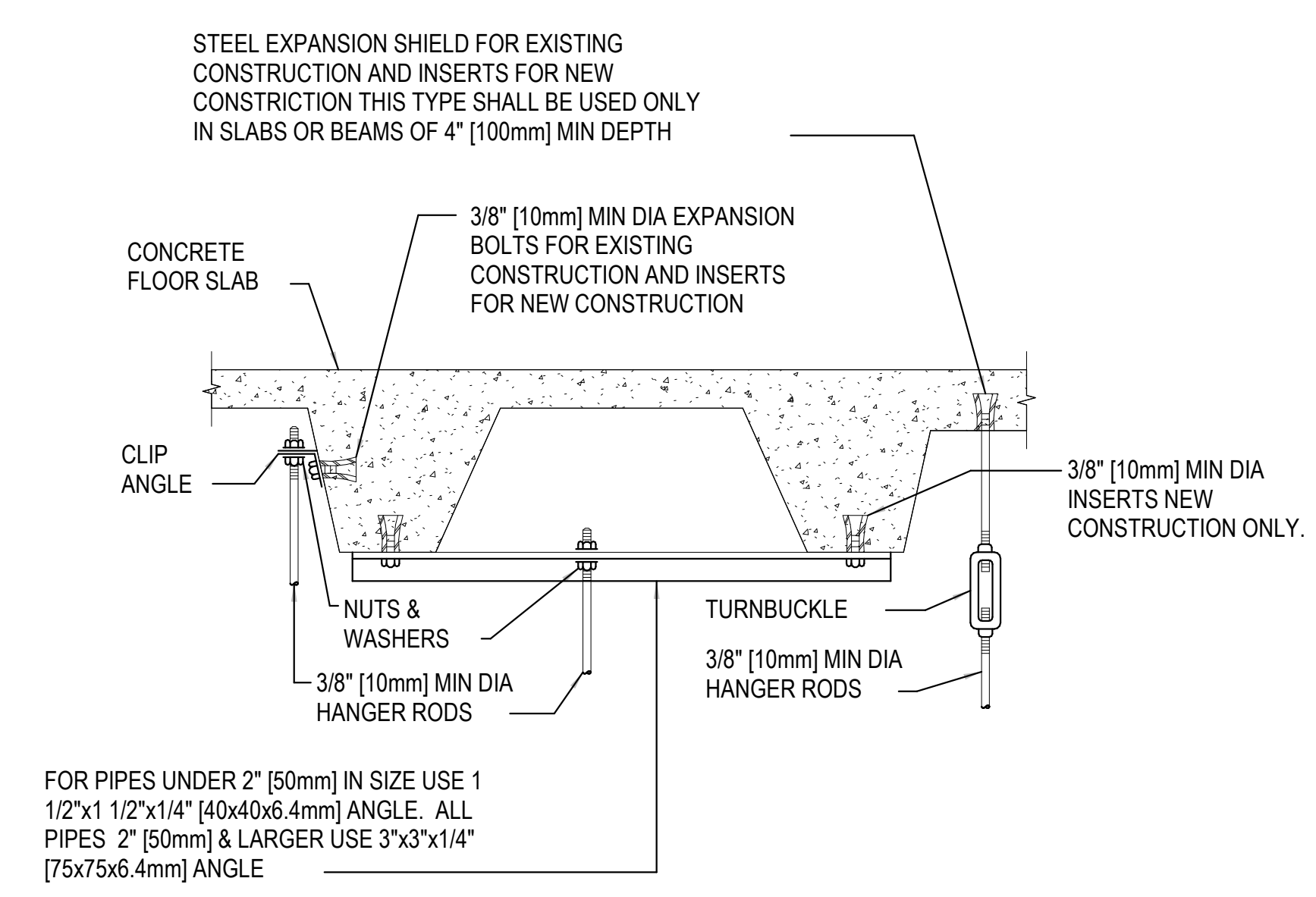
6 REFRIGERANT PIPING

NOT TO SCALE



5 GOOSENECK AND COUNTER FLASHING

NOT TO SCALE



8 SECURING HANGER RODS IN CONCRETE DETAIL

NOT TO SCALE

Revisions:	Date:
100% Construction Documents	03/31/2022
100% Construction Documents	02/17/2022
100% Construction Documents	01/14/2022
100% Construction Documents Revised Comments	12/09/2021
100% Construction Documents	9/16/2021
95% Construction Documents	09/02/2120
65% Design Development	07/29/2021

CONSULTANT	

ARCHITECT/ENGINEER OF RECORD

Bancroft

700 Nicholas Blvd, Suite 300
 8th Grove Village, VA 22009
 T: 847.952.9342 F: 847.952.9403
 www.bancroft-ae.com
 VA CONTRACT NO. 36C26319D0044 Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL DETAILS
Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title	Project Number		
EHRM INFRASTRUCTURE UPGRADES	568A4-21-703		
Location	Building Number		
PINE RIDGE VA CLINIC	CBOC		
Issue Date	Checked	Drawn	Drawing Number
03/31/2022	RAH	RRR	M501

DUCT FREE SPLIT SYSTEM SCHEDULE																												
EQUIPMENT TAG	LOCATION	BASIS OF DESIGN	COOLING CAPACITY (BTUH)	INDOOR UNIT										OUTDOOR UNIT							NOTES							
				MODEL	TYPE	DIMENSIONS (IN.)			AIRFLOW			FILTERS	ELECTRICAL DATA				EQUIPMENT TAG	MODEL	LOCATION	COMPRESSOR				ELECTRICAL DATA				
						H	W	D	TOTAL CFM	EAT. D.B. (°F)	EAT. W.B. (°F)		TYPE	MCA	MOCP	PHASE				VOLTS		SIZE (TONS)	REF. TYPE	EAT (°F)	SEER	MCA	MOCP	PHASE
DFSS-1	MECHANICAL ROOM	YORK	23,800	DHR24NCB21S	HEAT PUMP	27.5	48	9	708	75	67	CLEANABLE	1	15	3	240	ACCU-1	DHR24CSB21S	ON GRADE	2	R-410A	95	16	24	40	1	240	1,2,3,4

NOTES:

- ACCEPTABLE MANUFACTURERS: VA APPROVED EQUALS.
- INDOOR UNIT SHALL BE INTERLOCKED TO OUTDOOR UNIT FOR POWER AND CONTROL WIRING.
- PROVIDE THE FOLLOWING FACTORY INSTALLED ACCESSORIES FOR THE OUTDOOR UNIT:
LOW AMBIENT KIT, CRANK CASE HEATER, AND WIND BAFFLES.
- PROVIDE LOCAL CONTROLS FOR EQUIPMENT MOUNTED ON WALL IN MECHANICAL ROOM.
- CONTRACTOR SHALL FURNISH AND INSTALL CONDENSING UNIT STAND AND ELEVATE 12" ABOVE GROUND. STAND SHALL BE SECURED TO THE GROUND.

ELECTRIC SUSPENDED UNIT HEATER SCHEDULE													
EQUIPMENT TAG	LOCATION	TYPE	MANUFACTURER	MODEL	HEATER			FAN DATA		ELECTRICAL DATA			NOTES
					KW	PHASE	VOLT	TYPE	CFM	AMPS	PHASE	VOLT	
SUH-1	MECHANICAL ROOM	SUSPENDED UNIT HEATER	QMARK	IUH-524	5	1	240	PROP.	270	20.8	1	240	1,2,3,4,5,6

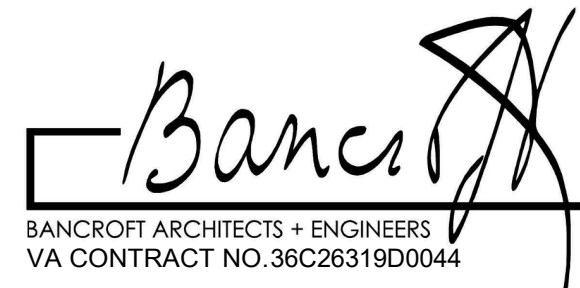
NOTES:

- OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.
- FACTORY INSTALLED DISCONNECT SWITCH.
- MOUNTING KIT TO MATCH MOUNTING REQUIREMENTS.
- FAN DELAY SWITCH.
- BUILT-IN OR UNIT MOUNTED THERMOSTAT.
- SUSPENDED FROM WALL WITH ANGLE IRON OR UNISTRUT WALL BRACKET.

100% Construction Documents	03/31/2022
100% Construction Documents	02/17/2022
100% Construction Documents	01/14/2022
100% Construction Documents Revised Comments	12/09/2021
100% Construction Documents	9/16/2021
95% Construction Documents	09/02/2120
65% Design Development	07/29/2021
Revisions:	Date:

CONSULTANT

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BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 36C26319D0044
www.bancroft-ae.com
Bancroft Project No. 18-121

STAMP

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL SCHEDULES

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
03/31/2022

Checked
RAH

Drawn
RRR

Project Number
568A4-21-703

Building Number
CBOC

Drawing Number
M601

REVIEW ONLY - NOT FOR CONSTRUCTION

MOUNTING HEIGHTS FOR ELECTRICAL DEVICES	
DEVICE	MOUNTING HEIGHTS
LIGHT SWITCHES, WALL MOUNTED OCCUPANCY SENSORS	48" TO CENTERLINE OF BOX, EXCEPTION: 44" MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20"-25"D.
DISCONNECT SWITCHES, MOTOR STARTERS, MOTOR PUSH BUTTON STATIONS	60" TO CENTERLINE.
WALL MOUNTED EXIT SIGNS	90" TO CENTERLINE OF SIGN OR CENTERED IN WALL AREA BETWEEN TOP OF DOOR AND CEILING.
CEILING MOUNTED EXIT SIGNS	80" TO BOTTOM FITTURE.
RECEPTACLES	16" TO BOTTOM OF BOX, EXCEPTION: 44" MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20"-25"D.
SPECIAL OUTLETS OR RECEPTACLES	16" TO BOTTOM OF BOX OR AS NOTED ON DRAWINGS, EXCEPTION: 44" MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20"-25"D.
PLUGMOLD OR WIREMOLD	AS NOTED ON DRAWINGS, EXCEPTION: 44" MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20"-25"D.
CLOCK OUTLETS	12" CEILING TO CENTERLINE OR 7'-0" TO CENTERLINE IF CEILING IS OVER 8'-0".
DATA/COMMUNICATION OR TELEPHONE OUTLETS	16" TO BOTTOM OF BOX.
TELEPHONE OUTLETS - WALL TYPE	54" TO DIAL CENTER (NON-ACCESSIBLE), 48" TO HIGHEST OPERABLE PART (ACCESSIBLE).
TEMPERATURE/HUMIDITY SENSORS	60" TO CENTER LINE OF BOX.
FIRE ALARM MANUAL PULL STATIONS	48" TO CENTERLINE OF BOX - NOT MORE THAN 5'-0" FROM EXIT.
FIRE ALARM AUDIBLE ONLY DEVICE	NOT LESS THAN 90" TO TOP OR 6" BELOW CEILING, WHICH EVER IS HIGHER.
FIRE ALARM VISUAL ONLY DEVICE OR A COMBINATION AUDIBLE AND VISUAL DEVICE	80" TO BOTTOM OF DEVICE OR NOT MORE THAN 96" TO TOP.
WALL MOUNTED REMOTE INDICATOR LIGHT	90" TO CENTERLINE OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWER.
AREA OF REFUGE TELEPHONE	SAME AS TELEPHONE - ACCESSIBLE.
CALL FOR AID SWITCH WITH PULL CHAIN TO FLOOR	48" TO CENTERLINE OF BOX MINIMUM (TOILETS), 66" TO CENTERLINE OF BOX MAXIMUM (SHOWERS - LOCATED OUT OF SPRAY AREA).
CARD READER	48" TO HIGHEST OPERABLE PART (SIDE OR FORWARD ACCESS).
INTERCOM STATION	54" TO HIGHEST OPERABLE PART (SIDE ACCESS), 48" HIGHEST OPERABLE PART (FORWARD ACCESS).
SOUND SYSTEM VOLUME CONTROL	54" TO HIGHEST OPERABLE PART (SIDE ACCESS), 48" HIGHEST OPERABLE PART (FORWARD ACCESS).
MICROPHONE OUTLETS	16" TO BOTTOM OF BOX.
THERMOSTATS	54" TO HIGHEST OPERABLE PART (SIDE ACCESS), 48" HIGHEST OPERABLE PART (FORWARD ACCESS).
NOTES:	
1. ALL DIMENSIONS ARE CONSIDERED FROM FINISHED FLOOR AND, UNLESS NOTED OTHERWISE, SHALL NOT VARY. RAISED FLOORS SHALL BE CONSIDERED FINISHED FLOOR.	
2. ALL DIMENSIONS SHALL BE COORDINATED WITH ARCHITECTURAL DETAILS AND MAY BE ADJUSTED TO CONFORM WITH ARCHITECTURAL REQUIREMENTS AS LONG AS NO CODE RESTRICTION IS VIOLATED.	
3. OUTLETS INSTALLED LOWER THAN 15" AFF (FORWARD REACH) AND 9" AFF (SIDE REACH) ARE IN VIOLATION OF ADA.	
SPECIAL NOTES:	
1. EXIT SIGNS SHALL NOT BE INSTALLED IN A MANNER THAT THE SIGN WILL BLOCK FIRE ALARM VISUAL DEVICES.	
2. FOR LIGHTING FIXTURES MOUNTING HEIGHTS SEE SCHEDULE AND DRAWINGS.	
WIRE SIZING TABLE	
FOR 120V-20A BRANCH CIRCUITS ONLY (UNLESS NOTED OTHERWISE)	
IF DISTANCE (A+B) IN FEET IS: (SEE DIAGRAM AT RIGHT)	USE COPPER WIRE IN METALLIC CONDUIT, AWG SIZE AS FOLLOWS ON ENTIRE CIRCUIT AND SIZE CONDUIT ACCORDINGLY.
0' TO 100'	#12 AWG (MIN.)
100' TO 175'	#10 AWG
175' TO 300'	#8 AWG
300' TO 450'	#6 AWG (MAX.)
FOR 277V-20A BRANCH CIRCUITS ONLY (UNLESS NOTED OTHERWISE)	
IF DISTANCE (A+B) IN FEET IS: (SEE DIAGRAM AT RIGHT)	USE COPPER WIRE IN METALLIC CONDUIT, AWG SIZE AS FOLLOWS ON ENTIRE CIRCUIT AND SIZE CONDUIT ACCORDINGLY.
0' TO 250'	#12 AWG (MIN.)
250' TO 400'	#10 AWG
400' TO 700'	#8 AWG
700' TO 1000'	#6 AWG (MAX.)

ELECTRICAL GENERAL NOTES

1. SEE ALL PROJECT GENERAL NOTES AND OTHER REQUIREMENTS THE LIFE SAFETY AND INFECTION CONTROL REQUIREMENTS LOCATED WITHIN GENERAL DRAWINGS SECTION TO COMPLY WITH ALL PROJECT REQUIREMENTS AS THEY ARE A DIRECT PART OF THIS SECTION AND AS IF THEY WERE DIRECTLY INCLUDED AND PROVIDED BELOW.

2. BASIS OF DESIGN PROTOCOLS: DESIGN IS BASED ON LISTED MANUFACTURER MENTIONED ON ALL ELECTRICAL AND ALL SPECIAL SYSTEM DRAWINGS INCLUDING BUT NOT LIMITED TO VARIOUS ELECTRICAL EQUIPMENTS, DEVICES, LIGHT FIXTURES, LIGHTING CONTROLS AND ALL SPECIAL SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL EQUAL PRODUCTS SHALL BE RESPONSIBLE TO ENSURE THAT THE DESIGN INTENT, PERFORMANCE, OUTLINE DIMENSION, WEIGHT ETC. EQUAL PRODUCT SHOP SUBMITTALS SHALL BE REJECTED UNLESS CONTRACTOR PROVIDES WRITTEN STATEMENT INDICATING IT MATCHES 100% PERFORMANCE SPECS AND ALL ABOVE CRITERIA. EQUAL PRODUCT SHOP SUBMITTAL NOT MEETING ABOVE CRITERIA SHALL BE REVIEWED AND/OR SELECTED EQUAL PRODUCTS REQUIRES RE-DESIGN THAT WILL BE AT THE COST TO THE CONTRACTOR INCLUDING DELAY OF PROJECT DUE TO THIS PROCESS. ALTERNATIVELY EQUAL PRODUCTS SHALL BE SUBMITTED AND APPROVED FROM VA/CO BEFORE BID APPROVAL AND VA/CO APPROVAL PROOF SHALL BE SUBMITTED ALONG WITH SHOP SUBMITTAL FOR REVIEW.

3. CODES: THE WORK SHALL COMPLY WITH ALL APPLICABLE, MUNICIPAL, STATE, NATIONAL CODES, AND ALL VA APPLICABLE DESIGN MANUALS STANDARDS REQUIREMENTS. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS THE CONSTRUCTION DOCUMENTS SHALL GOVERN. HOWEVER, THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.

4. DRAWINGS AND SPECIFICATIONS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND COMPLYING WITH BOTH THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, OR CODES, THE REFERENCE WHICH PROVIDES THE MORE COMPLETE OR HIGHER STANDARD SHALL PREVAIL UNLESS OTHERWISE CLARIFIED BY OWNER.

5. INTERPRETATION OF THE DOCUMENTS: CAREFULLY COMPARE THE DRAWINGS AND SPECIFICATIONS, CHECKING MEASUREMENTS AND CONDITIONS UNDER WHICH THIS INSTALLATION IS TO BE MADE. FOR CLARIFICATION BETWEEN VARIOUS DRAWINGS, BETWEEN DRAWINGS OR SPECIFICATION, OR BETWEEN SECTIONS OF THE SPECIFICATION, THE MATTER SHALL BE REFERRED TO THE VA/CO FOR CLARIFICATION AND APPROVAL BEFORE ANY WORK IS EXECUTED. THE CONTRACTOR SHALL STATE IN THEIR PROPOSAL ANY EXCEPTIONS NECESSARY TO MAKE THIS A COMPLETE, READY TO USE INSTALLATION. IF NOT STATED IN THEIR BID, IT WILL NOT BE CONSIDERED EXTRA.

6. ELECTRICAL DRAWINGS: ANY CHANGES TO THE CONTRACT REQUIREMENTS MUST BE APPROVED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL KEEP UP-TO-DATE AS-BUILT DRAWINGS, ON-SITE, AVAILABLE FOR INSPECTION AT ANY TIME OF THE EXACT NATURE OF WORK, INCLUDING ALLOWABLE DEVIATIONS FROM THE CONTRACT DRAWINGS, FOR THE PURPOSE OF RECORD DOCUMENTS.

7. SITE EXAMINATION: BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE THE PREMISES, AND MAKE A THOROUGH SURVEY OF THE EXISTING CONDITIONS. THIS VISIT SHALL ONLY BE ALLOWED AS PER THE VA SCHEDULED WALK THROUGH. THE SUBMISSION OF A BID WILL BE CONSTRUED AS EVIDENCE THAT SUCH A VISIT HAS BEEN MADE, NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE OR FOR LATER CLAIMS FOR LABOR, EQUIPMENT, MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH VISIT BEEN MADE.

8. COORDINATION WITH OTHER TRADES: THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COMPLETE SET OF GENERAL, ARCHITECTURAL AND ENGINEERING DRAWINGS AND COORDINATE WITH MECHANICAL, PLUMBING, ARCHITECTURAL AND OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES, ROUGH-IN LOCATIONS, AND OTHER ADDITIONAL SCOPES OF WORK THAT MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 120 VOLT (AND HIGHER) AC POWER TO OTHER TRADES EQUIPMENT AND HARDWARE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, CONTROLS, FIRE AND SECURITY SYSTEMS, MOTORIZED DOORS, DAMPERS, LIFTS, AND OTHER SYSTEMS UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ELECTRICAL PLANS. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL SAFETY DISCONNECT SWITCHES TO MECHANICAL EQUIPMENT UNLESS OTHERWISE NOTED.

9. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, UNCRATING, STORING SETTINGS IN PLACE, AND PROTECTING FROM DAMAGE, VANDALISM, THEFT OR WEATHER. DURING CONSTRUCTION FOR ALL NEW EQUIPMENT FURNISHED BY THE ELECTRICAL CONTRACTOR.

10. FIRE STOPPING: ALL PENETRATIONS IN WALL, FLOOR OR CEILINGS SHALL BE SUITABLY CLOSED UP AND SEALED WITH AN INTUMESCENT FIRE STOPPING COMPOUND LISTED IN THE MOST RECENT FACTORY MUTUAL RESEARCH CORPORATION (FMRC) APPROVAL GUIDE. WHEN NEW CABLES/CONDUITS PENETRATE EXISTING FIRE RATED WALL, PENETRATIONS SHALL BE SEALED TO MATCH EXISTING RATING TO ENSURE IT RETAIN EXISTING CONDITIONS. THE BOB FOR FIRE STOPPING PRODUCTS SHALL BE AS MANUFACTURED BY THE 3M CO.

11. PAINTING: ALL NEWLY INSTALLED EXPOSED PIPING SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR CEILING SURFACE UNLESS THE REQUIRED COLOR CODING IS SPECIFIED.

12. VA FURNISHED EQUIPMENT: EQUIPMENT THAT WILL BE FURNISHED BY THE VA WILL BE INDICATED ON A SCHEDULE OR BE INCLUDED IN SPECIFIC NOTES OR SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE VA/CO FOR DELIVERY SCHEDULES. THE CONTRACTOR IS TO ASSUME THAT ON SITE STORAGE MAY NOT BE AVAILABLE WHEN COORDINATING DELIVERY OF EQUIPMENT. THE CONTRACTOR, IN COORDINATION WITH THE VA/CO, WILL INSPECT THE DELIVERY FOR ACCURACY AND SHIPMENT DAMAGE AND ACCEPTING THE EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO STORE, PROTECT, AND ULTIMATELY INSTALL THE EQUIPMENT.

13. ELECTRICAL SERVICE DISRUPTIONS: COORDINATE POWER OUTAGE WITH UTILITY AND VA COR, PROVIDE 3 WEEKS NOTICE PRIOR TO INSTALLING DISCONNECT SWITCH AND NEW GROUPING.

14. EQUIPMENT: ALL MATERIALS AND EQUIPMENT USED IN THIS INSTALLATION SHALL BE NEW, AND HAVE THE APPROPRIATE UL LISTING AND LABEL. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, TOOLS, EQUIPMENT SERVICES, AND ACCESSORIES FOR COMPLETE INSTALLATION OF ALL ELECTRICAL WORK AS NOTED. ITEMS OMITTED FROM EITHER THE SPECIFICATIONS OR THE DRAWINGS, BUT SHOWN OR DESCRIBED IN ONE OR THE OTHER, AND ITEMS NECESSARY TO MAKE THE ELECTRICAL SYSTEM COMPLETE AND WORKABLE SHALL FORM A PART OF THE WORK.

15. MISCELLANEOUS SUPPORTING MEMBERS: ALL ANGLES CHANNELS, AND OTHER MISCELLANEOUS STEEL, BOLTS, RODS, ETC. REQUIRED TO SUPPORT LIGHT FIXTURE, CONDUIT, RACEWAY, LADDER TRAY, OR OTHER ELECTRICAL EQUIPMENT OR DEVICES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

16. DISTRIBUTION PANELS AND PANEL BOARDS: ALL DISTRIBUTION PANELS AND PANEL BOARDS SHALL BE PROVIDED WITH TYPEWRITTEN DIRECTORIES. SEE PANEL SCHEDULES ON THE DRAWINGS AND SPECIFICATION FOR COMPLETE IDENTIFICATION AND LABELING REQUIREMENTS. ALL DISTRIBUTION PANELS AND PANEL BOARDS SHALL BE LABELED ON THE PANEL CABINET WITH THE PANEL NAME AND THE POWER SOURCE FEEDING THE PANEL AS PER THE ELECTRICAL ONE LINE. ALL PANELS AND PANEL BOARDS SHALL BE PROVIDED WITH HINGED DOOR-IN-DOOR WITH NSR2 KEY-LOCK. PROVIDE ARC FLASH LABELS ON NEW PANELS.

17. SAFETY: THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THE SAFETY OF THE VA'S EMPLOYEES, BUILDING EMPLOYEES AND GUESTS AS WELL AS THEIR OWN FORCES, BY ADEQUATELY PROVIDING APPROPRIATE PPE AND PROTECTING ANY EXPOSED LIVE CONDUCTORS, OR DEVICES THROUGHOUT THE COURSE OF THIS WORK.

18. EQUIPMENT CONNECTIONS: PROVIDE FINAL CONNECTIONS FOR ALL EQUIPMENT UNDER OTHER TRADES DIVISIONS AND FOR ALL VA FURNISHED EQUIPMENT. PROVIDE A FLEXIBLE LIQUID TIGHT CONNECTION TO ALL VIBRATION PRODUCING EQUIPMENT.

19. TEMPORARY LIGHTING, POWER, FIRE, AND SAFETY: PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED IN AREAS UNDERGOING WORK DURING CONSTRUCTION. FURNISH AND INSTALL ONE OSHA APPROVED DIGITAL SOCKET WITH 150-WATT LAMP FOR EVERY 500 SQUARE FEET OF FLOOR SPACE AND A MINIMUM 1 PER ROOM. THE TEMPORARY LIGHTING SHALL BE LEFT IN PLACE UNTIL PERMANENT LIGHTING IS COMPLETELY OPERATIONAL.

20. POWER COORDINATION: THE CONTRACTOR SHALL PERFORM ALL COORDINATION AND SCHEDULING OF LOCAL POWER OUTAGES REQUIRED WITH THE VA/CO. ALL NEEDED POWER OUTAGES TO BE SCHEDULED WITH THE VA/CO THREE WEEKS IN ADVANCE.

21. CABLING: BRANCH CIRCUITS TO RECEPTACLES, LIGHTING AND MISC. SMALL LOADS (20 AMP CIRCUITS), UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE 2 - #12 - #12 GND, 3/4" C.A. SEPARATE NEUTRAL SHALL BE RUN FOR EACH CIRCUIT. SEE WIRE SIZING TABLE ON THIS SHEET.

22. CABLING SIZES: BRANCH CIRCUIT CABLE SIZING SHALL BE ADJUSTED BASED ON THE VALUES INDICATED IN THE WIRE SIZING TABLE PER THIS SHEET.

23. SPECIAL LUG REQUIREMENTS: ANY CABLE WHICH TERMINATES DIRECTLY ON TO A BUS BAR SHALL BE 2 BOLT LONG BARREL TYPE WITH INSPECTION HOLES PRODUCED WITH NON FLASHING TUBING IS EXPLICITLY FORBIDDEN.

24. RACEWAYS: ALL UNDERFLOOR, UNDERGROUND OR EXPOSED-TO-WEATHER CONDUIT SHALL BE HEAVYWALL GALVANIZED RIGID STEEL (G.R.S.), MINIMUM 3/4" ALL BURIED CONDUITS AND 2" AND ABOVE EXPOSED-TO-WEATHER CONDUIT SHALL BE PVC COATED HEAVYWALL GALVANIZED RIGID STEEL (G.R.S.).

25. LIGHTING: ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN, COORDINATE LIGHT LOCATION WITH CABLE TRAY AND CEILING MOUNTED MECHANICAL EQUIPMENTS AND ENSURE THAT SERVICE CLEARANCE AND ACCESS IS NOT RESTRICTED.

26. RECEPTACLES: CONTRACTOR SHALL VERIFY ALL OUTLET MOUNTING ARRANGEMENTS, HEIGHTS AND LOCATIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. ANY MENTION OF A SPECIFIC MOUNTING ARRANGEMENT, HEIGHT OR LOCATION SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO VERIFY THE SPECIFIC REQUIREMENT WITH THE EQUIPMENT FURNISHED OR THE OTHER TRADES WORKING IN THE SAME AREA. NO ADDITIONS TO THE CONTRACT SUM WILL BE PERMITTED FOR OUTLETS IN WRONG LOCATIONS. IN CONFLICT WITH OTHER WORK ETC. THE VA RESERVES THE RIGHT TO RELOCATE ANY DEVICE 10'-0" PRIOR TO ROUGH-IN WITHOUT ANY ADDITIONAL CHARGES BY THE CONTRACTOR.

27. AS BUILT/RECORD DOCUMENTS: ELECTRICAL CONTRACTOR SHALL FURNISH CONTRACT AS-BUILT RECORD DOCUMENTS TO THE VA/CO AND ARCHITECT/ENGINEER BEFORE FINAL PAYMENT WILL BE ISSUED. THE CONTRACT RECORD DOCUMENTS SHALL DIAGRAMMATICALLY INDICATE THE ACTUAL INSTALLED CONDITIONS THAT DEVIATE FROM ORIGINAL DESIGN DRAWINGS.

28. GUARANTEE: ALL EQUIPMENT FURNISHED AND WORK PERFORMED UNDER THE CONTRACT DOCUMENTS SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD AS PER VA SPECIFICATION, UNLESS OTHERWISE NOTED. ANY FAILURE OF EQUIPMENT OR WORK DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE VA.

29. FINAL INSPECTION: SUPPORT CONDUIT WITH P1000 UNISTRUT AND 3/8" THREADED ROD 8'-0" O.C. MAX. PROVIDE MYERS HUBS FOR ALL CONDUIT TO ENCLOSURE CONNECTIONS. ALL CONDUIT RACEWAYS SHALL BE CONCEALED IN OR WITHIN WALLS, CEILING CAVITY, ROOF CONSTRUCTION (WHERE APPROVED), GRADE, ETC. UNLESS OTHERWISE NOTED. ANY CONDUIT THAT IS TO BE Routed EXPOSED SHALL BE APPROVED BY THE VA/CO AND SUCCESSFULLY REVIEWED BY THE ARCHITECT/ENGR. PRIOR TO INSTALLATION. ALL CONDUIT SHALL BE Routed PARALLEL OR PERPENDICULAR TO WALLS AND STRUCTURAL MEMBERS WITH 90° BENDS WHERE REQUIRED AND SHALL BE RACKED, PULL AND JUNCTION BOXES SHALL BE HELD TO A MINIMUM. CONTRACTOR SHALL INSTALL ALL WORK IN NEAT & INDUSTRY RECOGNIZED MANNER OF BEST PRACTICES.

30. GROUNDING: GROUND ALL CONDUITS, MOTORS, AND EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, VA SPECIFICATION SECTION 28.05.28 "GROUNDING AND BONDING ELECTRICAL SYSTEM". CONTRACTOR SHALL PROVIDE BOXES, JUNCTION BOXES, SPLICE BOXES AND FITTINGS WHERE NECESSARY OR REQUIRED BY THE NEC. ALL ELECTRICAL CONDUITS TO A MINIMUM OF 3/4" MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES. PROVIDE JUNCTION BOX AND CONDUIT COLOR FOR VARIOUS SYSTEMS AS PER FOLLOWING COLOR SCHEME. POWER: 120/208 VOLT (NORMAL POWER): SILVER 120/208 VOLT (LIFE SAFETY/CRITICAL): BROWN 277/480 VOLT (NORMAL & EMERGENCY): YELLOW LIGHTING: WHITE GENERAL DATA/VOICE: ORANGE FIRE ALARM: RED NURSE CALL/GET WELL NETWORK: GREEN T-STAY: BLUE SECURITY (CARD READER/VIDEO): PURPLE FIBER OPTIC: ORANGE

31. CONSTRUCTION: CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THE WORKMEN IN ALL PHASES OF WORK. COMPLYING WITH THE APPLICABLE PROVISIONS OF ALL CITY, STATE, AND FEDERAL SAFETY LAWS (OSHA), AND AS RECOMMENDED IN THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" AS ISSUED BY THE ASSOCIATION OF GENERAL CONTRACTORS OF AMERICA, INC., 20TH AND E. STREETS, N.W. WASHINGTON, D.C. PERFORM FIRE PANEL RELOCATION IN LESS THAN ONE 8-HOUR PERIOD, IN ONE WORKDAY. COMPLY WITH NFPA 241 FOR SAFEGUARDING DURING CONSTRUCTION AND ALTERATION OPERATIONS. IN ADDITION, ANY OPENINGS IN FIRE RATED SEPARATIONS BETWEEN OCCUPIED AND UNOCCUPIED (OR OPERATIONAL AND NON-OPERATIONAL) AREAS SHALL BE SEALED AT THE END OF EACH WORK DAY WITH AN APPROPRIATE FIRE RATED ENCLOSURE OR SEALANT. DO NOT COMPROMISE EXISTING SECURITY OR FIRE ALARM SYSTEMS SERVING THE OCCUPIED OR OPERATIONAL AREAS.

ELECTRICAL DEMO NOTES

1. EXAMINATION: CONTRACTOR SHALL SURVEY THE EXISTING SITE AND EXAMINE AREAS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO BIDDING AND DETERMINE THE EXTENT OF NECESSARY RELOCATIONS, REMOVALS AND REPAIRS TO THE EXISTING ELECTRICAL WORK REQUIRE AVOIDING CONFLICTS WITH NEW CONSTRUCTION IN ORDER TO MEET MINIMUM CODE REQUIREMENTS. NOTIFY THE VA/CO IN WRITING OF ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL SATISFACTORY CONDITIONS HAVE BEEN CORRECTED. A FIELD SURVEY VERIFICATION IS MANDATORY IN ORDER TO SUBMIT AN ELECTRICAL BID. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT.

2. PREPARATION: DEMOLITION DRAWINGS ARE BASED ON FIELD OPERATIONAL AND EXISTING RECORD DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH RELOCATION AND REMOVAL OF ELECTRICAL WORK AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS. NO ADDITIONAL CLAIMS FOR WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, UNLESS, IN CERTAIN CASES, CONSIDERED JUSTIFIABLE BY THE ENGINEER. REVIEW MECHANICAL AND ARCHITECTURAL DEMOLITION DRAWINGS FOR ANY OTHER ELECTRICAL DEMOLITION REQUIREMENTS.

3. DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK: ALL EXISTING EQUIPMENT IS TO REMAIN OPERATIONAL DURING THE CONSTRUCTION PERIOD. ANY TEMPORARY WIRING OR REROUTING OF CIRCUITRY TO ACHIEVE THIS IS BY THE ELECTRICAL CONTRACTOR. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON APPROVAL FROM THE OWNER AND THEN ONLY FOR THE DATE AND DURATION AGREED UPON. INCLUDE ALL PREMIUM TIME CHARGES IN THE BASE BID. ANY UTILITY SHUT DOWN THAT AFFECT PATIENT CARE SHALL BE COORDINATED A MINIMUM OF 45 DAYS IN ADVANCE AND SHALL BE PERFORMED DURING OFF HOURS OR WEEKENDS AT THE CONVENIENCE OF VA AS APPROVED THE BY VA CO. IT IS MANDATORY THAT THE ALL EXISTING FIRE ALARM AND COMPONENTS TO REMAIN FUNCTIONAL DURING CONSTRUCTION.

4. DISPOSAL: OWNER SHALL HAVE RIGHT TO RETAIN ANY EQUIPMENT OR MATERIALS THAT HAVE BEEN DEMOLISHED PRIOR TO DISPOSAL OR REMOVAL FROM SITE. ANY EQUIPMENT OR MATERIALS NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM SITE. CONTRACTOR SHALL COMPLY WITH ENVIRONMENTAL LAWS AND REGULATIONS FOR DISPOSAL OF DEMOLISHED MATERIALS AND EQUIPMENT.

GENERAL NOTES-CONSTRUCTION

- THE ELECTRICAL PORTION INCLUDES A NEW FUSED DISCONNECT, NEW ELECTRICAL POWER GROUNDING AND NEW POWER PANEL TO FEED TECHNOLOGY EQUIPMENT.
- THE TECHNOLOGY PORTION INCLUDES A NEW DEDICATED GROUND AND NEW TELECOMMUNICATION GROUND BAR FOR TECHNOLOGY EQUIPMENT, A NEW COMPUTER CABINET AND NEW LADDER TRAY FOR MANAGING CABLES.
- ALL NETWORK CABLING IN FACILITY WILL BE REPLACED WITH CAT6a WIRING.
- EXISTING COMPUTER RACK AND EQUIPMENT WILL BE REMOVED AFTER NEW SYSTEM IS OPERATIONAL.
- FACILITY MUST REMAIN OPERATIONAL WHILE NEW EQUIPMENT IS BEING INSTALLED.
- FIRE PROTECTION: NFPA 241: AT LEAST ONE CONTRACTOR PROVIDED APPROVED EXTINGUISHER. SHALL BE PROVIDED AND MAINTAINED IN ACCESSIBLE LOCATION.

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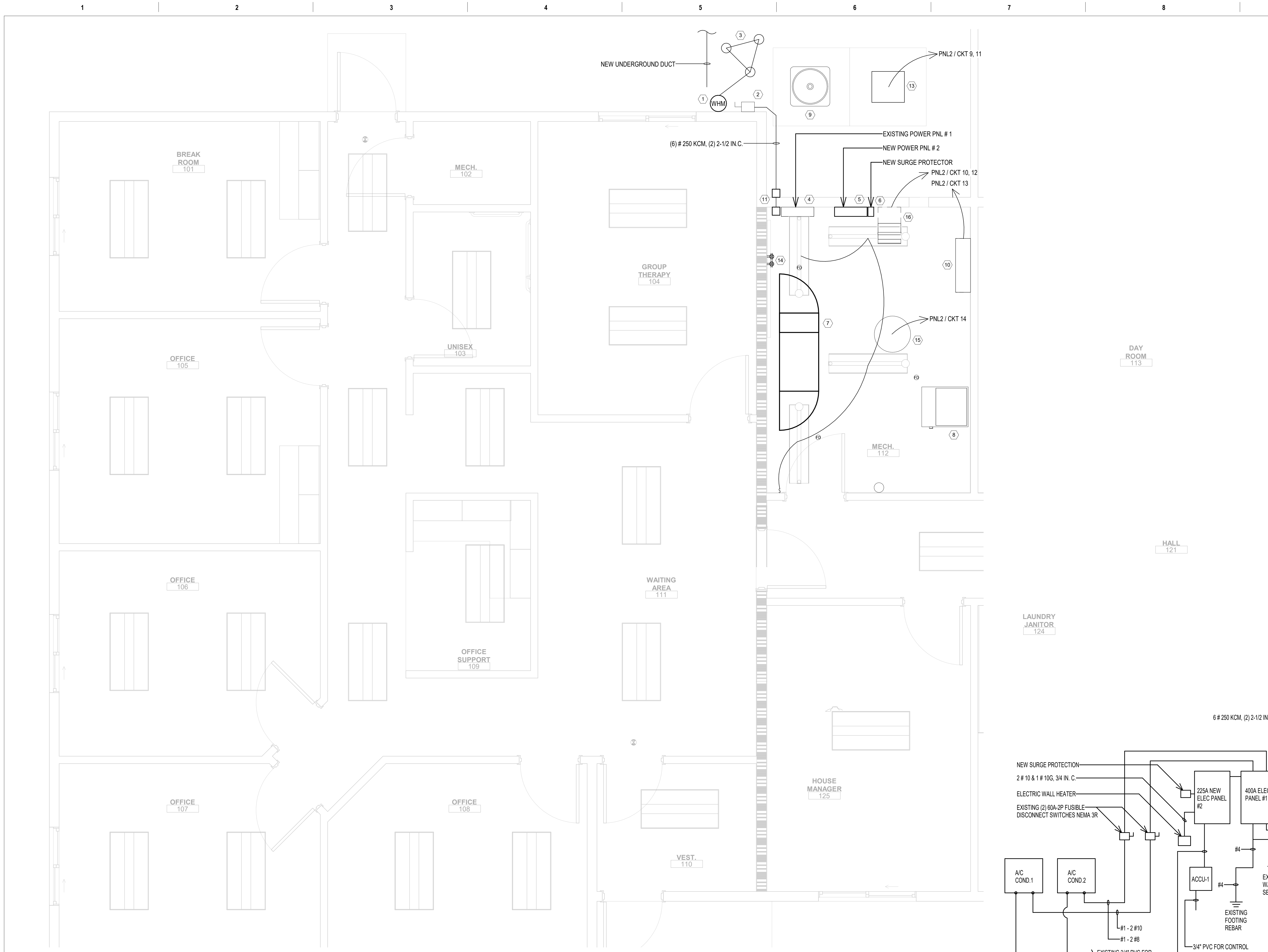
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	ELECTRICAL SYMBOLS - DIAGRAM		ELECTRICAL SYMBOLS - POWER PLAN		ELECTRICAL SYMBOLS - LIGHTING PLAN		FIRE ALARM SYMBOLS		ELECTRICAL ABBREVIATIONS	
A	DELTA CONNECTION MOTOR, SINGLE-PHASE MOTOR, THREE-PHASE TRANSFORMER WYE CONNECTION EARTH GROUND JUNCTION BOX PULL BOX NORMALLY CLOSED RELAY CONTACT NORMALLY OPEN RELAY CONTACT FUSE WITH RATING MOLDED CASE CIRCUIT BREAKER LOW-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER SWITCH AND FUSE UNIT FUSED DRAWOUT POTENTIAL TRANSFORMER PANELBOARD CABLE AND CONDUIT TAG SEE SCHEDULE EQUIPMENT TAG SEE EQUIPMENT SCHEDULE WATT-HOUR METER		MOTOR, SINGLE-PHASE MOTOR, THREE-PHASE TRANSFORMER, PLAN WYE CONNECTION EARTH GROUND POWER JUNCTION BOX JUNCTION BOX WITH DISCONNECT SWITCH AND FLEXIBLE CONDUIT CONNECTION DOUBLE GANG DEEP AUDIO/VISUAL JUNCTION BOX LADDER CABLE TRAY HOMERUN TO PANELBOARDS. SLASHED LINES INDICATE NUMBER OF #12 AWG WIRES IN 3/4" UNLESS OTHERWISE NOTED. LONG SLASH INDICATES NEUTRAL, LONG SLASH WITH DOT INDICATES EQUIPMENT GROUND. PULL BOX WIREWAY REGULAR POWER LIFE SAFETY POWER CRITICAL POWER PANELBOARD CABINET, FLUSH MOUNTED PANELBOARD CABINET, SURFACE MOUNTED RECEPTACLE, DUPLEX RECEPTACLE, DUPLEX ON EMERGENCY POWER RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER MOUNTED AT 44" RECEPTACLE, QUADRUPLEX FLOOR RECEPTACLE, DUPLEX CEILING MOUNTED RECEPTACLE SPECIAL PURPOSE RECEPTACLE ON EMERGENCY POWER SPECIAL PURPOSE RECEPTACLE, 60A, 208V FOR BED BUG MACHINE AND 30A, 208 FOR IT ROOM RACK POWER ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" CENTERS OR AS DESIGNATED ON DRAWINGS). MTD 3'-6" AFF OR AS INDICATED. MOTION SENSOR (AUTO OPENING DOOR) DISCONNECT SWITCH, FUSED STARTER, COMBINATION WITH DISCONNECT SWITCH DISCONNECT SWITCH, UNFUSED COMBINATION STARTER STARTER OR MOTOR CONTROLLER VARIABLE FREQUENCY DRIVE TIME CLOCK CONDUIT DOWN CONDUIT UP CONDUIT TERMINATED 6" AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED. CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.		SWITCH BLANK = SINGLE POLE 3 = THREE-WAY D = DOOR SWITCH DM = DIMMER LV = LOW VOLTAGE LM = LOW VOLTAGE MASTER PB = PUSH BUTTON STATION T = TIMER OPERATED X = EXPLOSION PROOF 2 = DOUBLE POLE 4 = FOUR-WAY K = KEY OPERATED L = LOCK P = WITH PILOT LIGHT RC = REMOTE CONTROL WP = WEATHER PROOF OS = OCCUPANCY SENSOR SWITCH, OCCUPANCY SENSOR REFER TO FIXTURE SCHEDULE FOR TYPE SWITCH, EXTERIOR PHOTO CELL FOR CONTROL OF EXTERIOR LIGHTING SWITCH, LAMP HOLDER POLE QS SENSOR MODULE (WIRES) PHASE ADAPTIVE POWER MODULE 0-10V INTERFACE FOR 3-WIRE CONTROL LIGHT FIXTURE RECESSED ROUND CEILING MOUNTED DOWNLIGHT LIGHT FIXTURE RECESSED SQUARE CEILING MOUNTED DOWNLIGHT LIGHT FIXTURE, RECESSED LED, 2'x4' LIGHT FIXTURE, RECESSED LED 1'x4' LIGHT FIXTURE, RECESSED LED, 2'x2' LIGHT FIXTURE, SURFACE MOUNTED LED, 2'x4' LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED LED, 1'x4' LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED LED LIGHT FIXTURE, LED EMERGENCY LIGHT FIXTURE, LED CRITICAL LIGHT TRACK WITH HEADS AS SHOWN LIGHT FIXTURE, STRIP/INDUSTRIAL LED; LETTER INDICATES TYPE. LIGHT FIXTURE, WALL MOUNTED LIGHTING, UNDERCABINET LIGHT/COVE LIGHT NIGHT LIGHTING EMERGENCY BATTERY BACK-UP EGRESS LIGHT DOUBLE FACED CEILING MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION DOUBLE FACED WALL MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION SINGLE FACED CEILING MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION SINGLE FACED WALL MOUNTED EXIT SIGN. ARROW INDICATES DIRECTION 		ALARM, FIRE, MANUAL PULL STATION WALL MOUNTED STROBE STROBE ALARM, LIGHT/STROBE, ONE ASSEMBLY (WALL MOUNTED) CEILING MOUNTED SPEAKER CEILING MOUNTED SPEAKER/STROBE CEILING MOUNTED STROBE WALL MOUNTED STROBE DUCT SMOKE DETECTOR SMOKE DETECTOR HEAT DETECTOR DETECTOR, SMOKE, FOR DUCT FIRE ALARM LINE = FA ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET TAMPER SWITCH FLOW SWITCH PRESSURE SWITCH DUAL COIL SPEAKER FOR PA AND FIRE ALARM. FIRE ALARM CONTROL PANEL MONITOR MODULE CONTROL MODULE FIRE FIGHTERS TELEPHONE JACK REMOTE TEST SWITCH W/INDICATOR 		1PH SINGLE-PHASE 1P SINGLE POLE 2/C TWO-CONDUCTOR 3/C THREE-CONDUCTOR 3PH THREE-PHASE 4/C FOUR-CONDUCTOR 4W FOUR-WIRE A/C UNIT AIR CONDITIONING UNIT A/E ARCHITECT/ENGINEER AAP ALARM ANNUCIATOR PANEL AC ALTERNATING CURRENT OR ARMORED CAB ACC ACCESSIBLE ADD ADDITIONAL ADJ ADJACENT, ADJOINING ADO AUTOMATIC DOOR OPENER AF AMPERE FRAME OR AMP FUSE AFC ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE AFF FAULT CURRENT AFG ABOVE FINISHED FLOOR AH ABOVE FINISHED GRADE AH AMPERE HOUR AHJ AUTHORITY HAVING JURISDICTION AIC AMPERE INTERRUPTING CAPACITY AIP AIPHONE ALT ALTERNATE AMB OR A AMBIENT ADP ARCHITECT ARCH ARCHITECT ASC AMPS SHORT CIRCUIT AT AMPERE TRIP ATS AUTOMATIC TRANSFER SWITCH AUTO AUTOMATIC AV AUDIO VISUAL BAT BATTERY BC BARE COPPER BD BOARD BFF BELOW FINISH FLOOR BIL BASIC INSULATION LEVEL BLDG BUILDING BPIP BOILER PLANT INSTRUMENTATION PANEL BRKR BREAKER BYP BY PASS C CONDUIT CAB CABINET CALC CALCULATE CAP CAPACITY CAT CATALOG CATV COMMUNITY ANTENNA TELEVISION CCR CONTROL CONTRACTOR CCTV CLOSED CIRCUIT TELEVISION CB CODE BLUE cd CANDELA cd CONSTRUCTION DOCUMENTS CF CONTRACTOR FURNISHED CF/CI CONTRACTOR FURNISHED/CONTRACTOR INSTALLED CF/OI CONTRACTOR FURNISHED/OWNER INSTALLED CFE CONTRACTOR FURNISHED EQUIPMENT CHW CHILLED WATER CHWP CHILLED WATER PUMP CKT CIRCUIT CKT BRKR CIRCUIT BREAKER CLC COMMUNITY LIVING CENTER CLF CURRENT LIMITING FUSE CLG CEILING CMU CONCRETE MASONRY UNIT COAX COAX CABLE COMM COMMUNICATION COMPT COMPARTMENT CONC CONCRETE CONT CONTINUE CONTR CONTRACTOR COORD COORDINATE CPT CONTROL POWER TRANSFORMER CRI COLOR RENDERING INDEX CT CURRENT TRANSFORMER CTV CABLE TELEVISION COPPER COPPER CU CUBIC FEET CUR CURRENT DB DECIBEL OR DIRECT BURIAL DC DIRECT CURRENT DCP DIMMER CONTROL PANEL DEG C DEGREES CELSIUS DEG F DEGREES FAHRENHEIT DEMO DEMOLITION DIAG DIAGRAM DISC DISCONNECT DISTR DISTRIBUTION DISTR PNL DISTRIBUTION PANEL DMR SW DIMMER SWITCH DN DOWN DPDT DOUBLE POLE, DOUBLE THROW DPST DOUBLE POLE, SINGLE THROW DRSW DOOR SWITCH DS DISCONNECT SWITCH DWG DRAWING EC EMPTY CONDUIT EG EQUIPMENT GROUND EL ELEVATION ELEC ELECTRIC OR ELECTRICAL ELEV ELEVATOR EMRGNY EMERGENCY MONITORING CONTROL PANEL EMER EMERGENCY EMI ELECTROMAGNETIC INTERFERENCE EMT ELECTRICAL METALLIC TUBING ENCL ENCLOSURE EPO EMERGENCY POWER OFF EPRF EXPLOSION PROOF ESMT EASEMENT EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER HEATER EXIST EXISTING FA FIRE ALARM FAAP FIRE ALARM ANNUCIATOR PANEL FABL FIRE ALARM BELL FABX FIRE ALARM BOX FACP FIRE ALARM CONTROL PANEL FARA FIRE ALARM REMOTE ANNUCIATOR FC FOOTCANDLE FI FILM ILLUMINATOR FIXT FIXTURE FLA FULL LOAD AMPS FLEX FLEXIBLE METALLIC CONDUIT FLT FLOODLIGHT FLUOR FLUORESCENT FLUOR FIX FLUORESCENT FIXTURE FOUTT TELEPHONE FLOOR OUTLET FP FIRE PROTECTION FT FEET OR FOOT FU SW FUSED SWITCH FVNR FULL VOLTAGE NON-REVERSING FVR FULL VOLTAGE REVERSING G OR GND GROUND OR GENERATOR GEN GENERATOR GFCI GROUND FAULT CIRCUIT INTERRUPTER GTB GROUND TERMINAL BUSBAR GWN GETWELLNETWORK HID HIGH INTENSITY DISCHARGE HOA HAND-OFF-AUTOMATIC HP HORSEPOWER HT HEIGHT HZ HERTZ IESNA ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA IMC INTERMEDIATE METAL CONDUIT INCAND INCANDESCENT IR INFRARED IWH INSTANTANEOUS WATER HEATER J-BOX JUNCTION BOX KVA KILOVOLT AMPERE kVA KVA KVAH KILOVOLT AMPERE PER HOUR KVAR KILOVOLT AMPERE REACTIVE kW KILOWATT kWh KILOWATT HOUR kWhm KILOWATT HOUR METER LED LIGHT EMITTING DIODE LF LINEAR FEET (FOOT) LM LUMEN LP LIGHT POLE LPS LOW PRESSURE SODIUM LRA LOCKED ROTOR AMPS LTGP LOCAL TEMPERATURE CONTROL PANEL LT LIGHTING LTG LIGHTING PANEL LTNG LIGHTNING LV LOW VOLTAGE MATV MASTER ANTENNA TELEVISION SYSTEM MAX MAXIMUM MC METAL-CLAD MCA MINIMUM CIRCUIT AMPS MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MDP MAIN DISTRIBUTION PANEL MECH MECHANICAL MG MOTOR GENERATOR MH MANHOLE MIN MINIMUM MOCPP MAXIMUM OVERCURRENT PROTECTION MLO MAIN LUGS ONLY MT MOUNT MTD MOUNTED MTG MOUNTING MTS MANUAL TRANSFER SWITCH MV MEDIUM VOLTAGE MVA MEGAVOLT-AMPERE MW MEGAWATT MICROWAVE NA NOT APPLICABLE NEC NATIONAL ELECTRICAL CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NEUT OR N NEUTRAL NFPA NATIONAL FIRE PROTECTION ASSO. NIC NOT IN CONTRACT NL NIGHT LIGHT NO NORMALLY OPEN NS NO SCALE NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER OL OVERLOAD P POLE PA PUBLIC ADDRESS PB PANELBOARD, PULL BOX, PUSHBUTTON PCB PREFABRICATED BEDSIDE PATIENT UNIT PCH POLYCHLORINATED BIPHENYL PEC PHOTOELECTRIC CELL PED PEDESTAL PEND PENDANT PF POWER FACTOR PH PHASE PNL PANEL POD POWER OPERATED DAMPER PT POTENTIAL TRANSFORMER PTRV POWER TYPE ROOF VENTILATION PVC POLYVINYL CHLORIDE (PLASTIC) PWR POWER PS-V POWER SUPPLY FOR DUAL DUCT TERMINAL UNIT & PHOENIX VALVE RCP REFLECTED CEILING PLAN REC RECESSED RECP RECEPTACLE RGS RIGID GALVANIZED STEEL RM ROOM RMS ROOM MEAN SQUARE REQD REQUIRED SCC SHORT CIRCUIT CAPACITY SES SERVICE ENTRANCE SECTION SD SMOKE DETECTOR SF SQUARE FOOT (FEET) SHT SHEET SI INTERNATIONAL SYSTEM OF UNITS SPEC SPECIFICATION SPST SINGLE POLE, SINGLE THROW SURF SURFACE SW SWITCH SWB SWITCHBOARD SWGR SWITCHGEAR TC TIME CLOCK TEL TELEPHONE TP TWISTED PAIR TPS TWISTED PAIR SHIELDED TTB TELEPHONE TERMINAL BOARD TV TELEVISION TYP TYPICAL UFD UNDERFLOOR DUCT UGND UNDERGROUND UL UNDERWRITERS LABORATORY UN UNLESS OTHERWISE NOTED UPS UNINTERRUPTIBLE POWER SUPPLY UTIL UTILITY V VOLT VA VOLT AMPERE VAR VOLT AMPERE REACTIVE VFD VARIABLE FREQUENCY DRIVE VOLT VOLTAGE W WATT WH WATER HEATER WP WEATHERPROOF XFER TRANSFER XFMR TRANSFORMER	
B										
C										
D										
E										
F										

GENERAL NOTES

- THIS IS A STANDARD LEGEND DRAWING. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS DRAWING AND NOT ON THE PLANS.

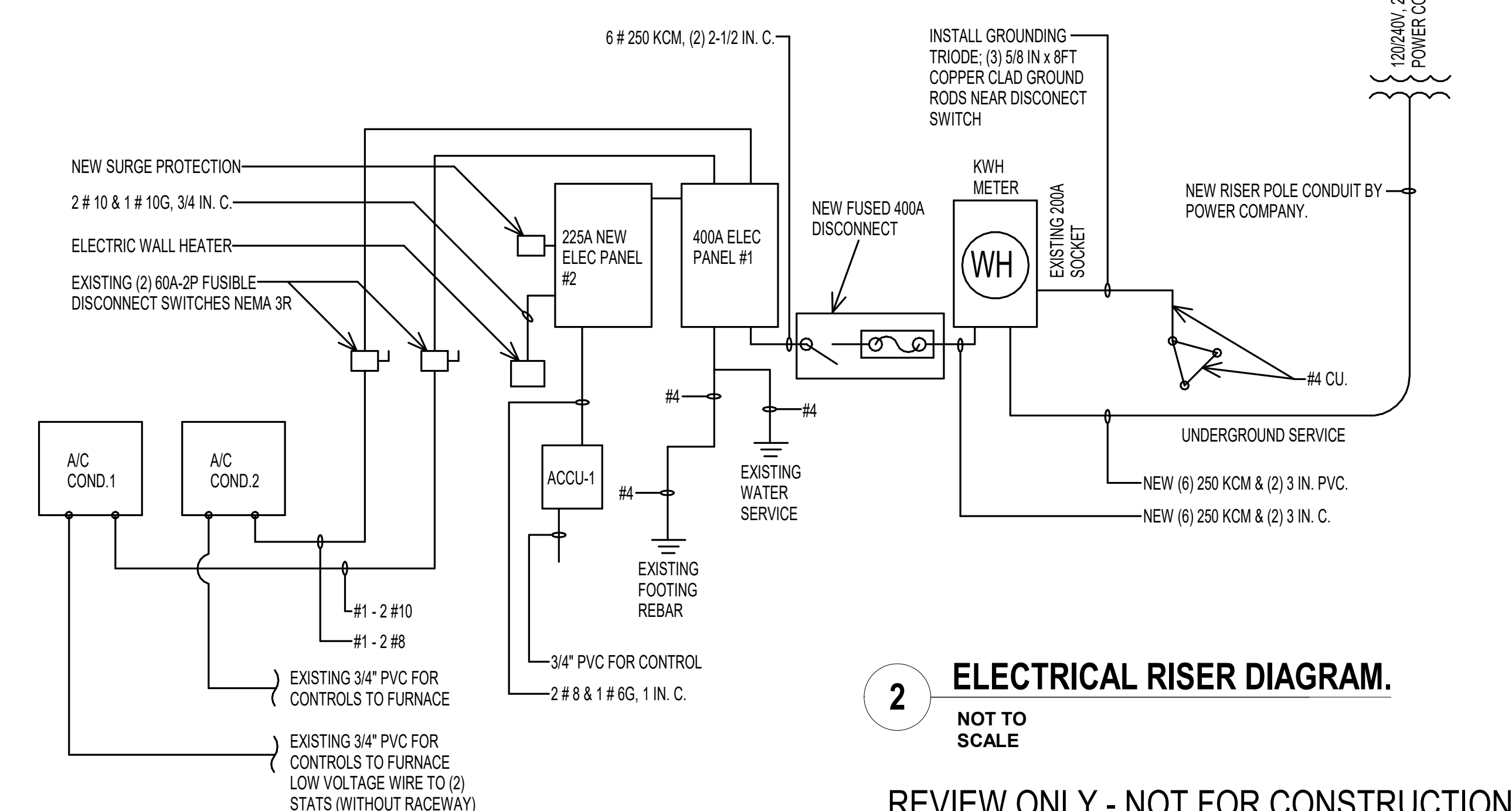
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- ### GENERAL NOTES
- CONTRACTOR TO FOLLOW VA LOCKOUT - TAGOUT PROCEDURES FOR ALL ELECTRICAL WORK.
 - ALL DIGGING TO INSTALL THE GROUNDING TRIAD MUST BE PERFORMED MANUALLY TO AVOID THE AVOID EXISTING PHONE, FIBER, CONTROL AND POWER CABLES.
 - COORDINATE THE INSTALLATION OF THE FUSED DISCONNECT SWITCH WITH THE LOCAL UTILITY.
 - COORDINATE THE UTILITY POWER OUTAGE WITH THE COR.
 - NOTE THAT THE ELECTRICAL GROUND ROD INSTALLATION IS SPECIFICALLY FOR THE ELECTRICAL POWER SYSTEM. SEE DRAWING ET101 FOR GROUND TRIAD INSTALLATION.
 - INSTALL THE NEW (6) 250KCM, & (2) 2 1/2 IN. C. FLUSH ON WALL AND RECONFIGURE THE DOWNSPOUT AND CONDUITS TO DISCONNECT TO GO OVER THE NEW CONDUITS.
 - CONTRACTOR TO DETERMINE BEST LOCATION FOR NEW PULLBOX FOR THE 250KCM CONDUCTORS TO ENTER PANEL NO. 1.
 - SEE DRAWING E500 FOR SINGLE LINE.
 - SEE DRAWING E600 FOR ELECTRIC PANEL SCHEDULES.
 - SEE DRAWING E501 FOR GROUNDING AND BONDING SINGLE LINE.
 - SEE DRAWING ET101 FOR WIRING INSIDE Mechanical Room 112.
 - INSTALL NEW ELECTRICAL PANEL #2, 10 IN ABOVE THE FEEDER CONDUIT COMING FROM THE SLAB, THAT FEEDS EXISTING 200A PANEL #1.
 - INSTALL SURGE PROTECTION WITHOUT ANY 90 DEG BENDS IN WIRING.
 - INSTALL CONDUIT AND WIRING THAT WILL FEED THE NEW COMPUTER RACK (UPS CIRCUIT AND PDU CIRCUIT). NOTE THESE RECEPTACLES MUST BE NEAR TOP OF CABINET TO AVOID ANY CABLES ON OR NEAR FLOOR.
 - INSTALL NEW CIRCUIT TO FEED TELEPHONE EQUIPMENT.
 - SEE DRAWING EF100 FOR RELOCATING FIRE ALARM PANEL FROM INSIDE OF ROOM 102 TO OUTSIDE WALL IN WAITING AREA.

- ### KEY NOTES
- NEW 400A, 120/240V, "400A, 320A" UTILITY METER INSTALLATION, PER NEBRASKA PUBLIC POWER - ELECTRIC SERVICE REQUIREMENTS.
 - NEW 400A, 120/240V FUSED DISCONNECT.
 - NEW GROUND TRIAD FOR BUILDING ELECTRICAL GROUND.
 - REPLACE EXISTING 225A BUS WITH NEW 400A BUS IN EXISTING 120/240V NORMAL POWER PANEL #1.
 - NEW 120/240V PANEL #2, 225A.
 - NEW SURGE PROTECTOR FOR PANEL #2.
 - NEW UPS LOCATED IN BOTTOM OF IT CABINET. INSTALL IU FROM BOTTOM FOR AIR CIRCULATION.
 - EXISTING AIR HANDLING UNIT.
 - EXISTING OUTDOOR CONDENSING UNIT.
 - NEW DUCTLESS SPLIT UNIT.
 - NEW 12X12X10 PULLBOXES ON INNER AND OUTER WALL ABOVE PANEL NO 1 FOR ROUTING THE 250KCM CABLING INTO PANEL NO 1.
 - N/A.
 - NEW DUCTLESS SPLIT CONDENSING UNIT.
 - SEE LOCATION OF RECEPTACLES ON DRAWING ET103.
 - NEW WATER HEATER.
 - NEW ELECTRIC WALL HEATER.



1 ELECTRICAL - FIRST FLOOR POWER PLAN AND SERVICE ENTRANCE.
1/2" = 1'-0"

2 ELECTRICAL RISER DIAGRAM.
NOT TO SCALE

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100% CONSTRUCTION DOCUMENTS	3/31/2022
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CONSULTANT

ARCHITECT/ENGINEER OF RECORD

 700 Nicholas Blvd, Suite 300
 5th Floor, Virginia Beach, VA 23502
 T: 847.952.9362 F: 847.952.9420
 www.bancrofta.com
 BANCROFT ARCHITECTS + ENGINEERS
 VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

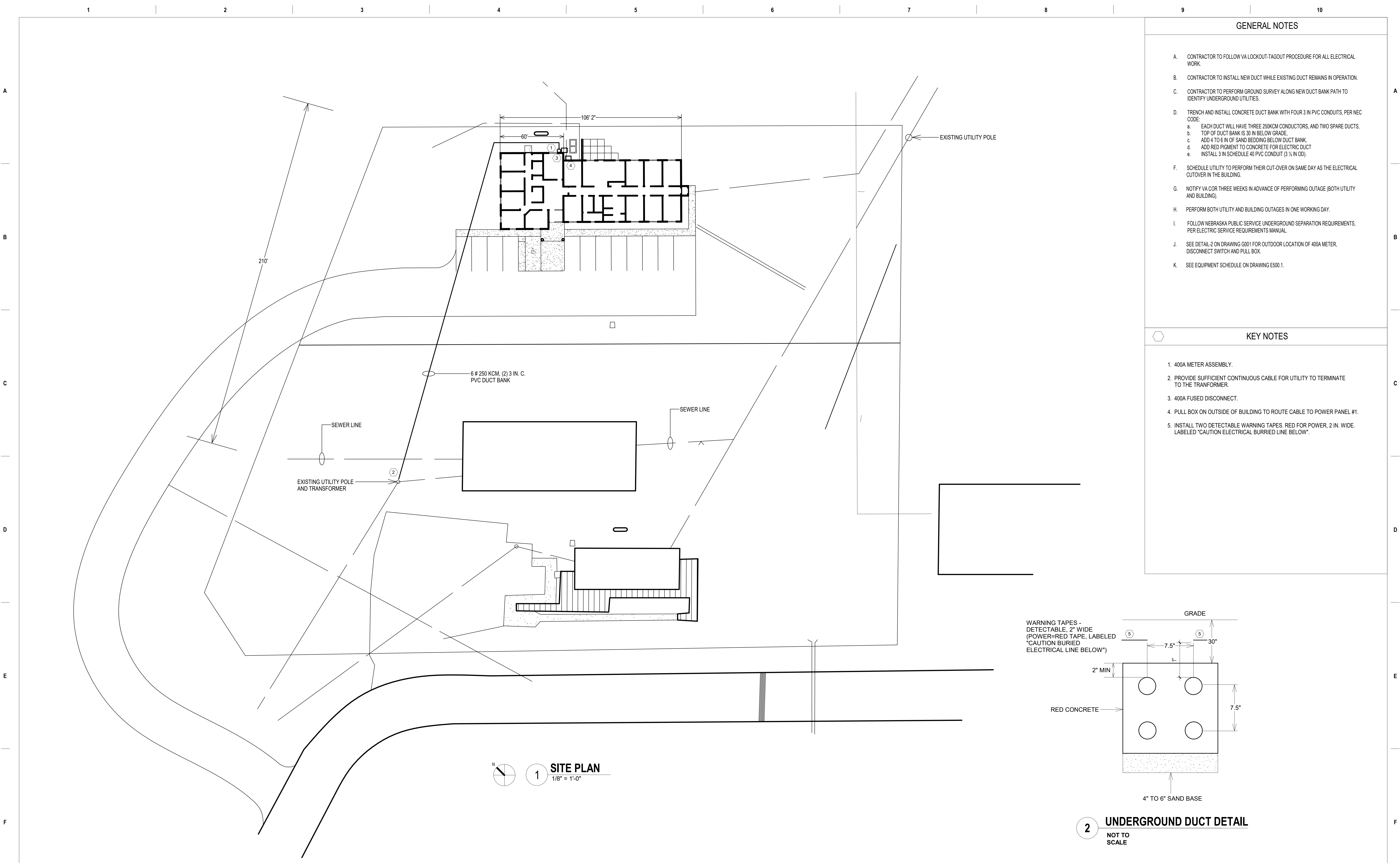
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Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL - FIRST FLOOR POWER PLAN AND SERVICE ENTRANCE, 400A SERVICE
 Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Building Number CB0C	Drawing Number EP101
Location PINE RIDGE VA CLINIC	Issue Date 3/31/2022
Checked WG	Drawn BX

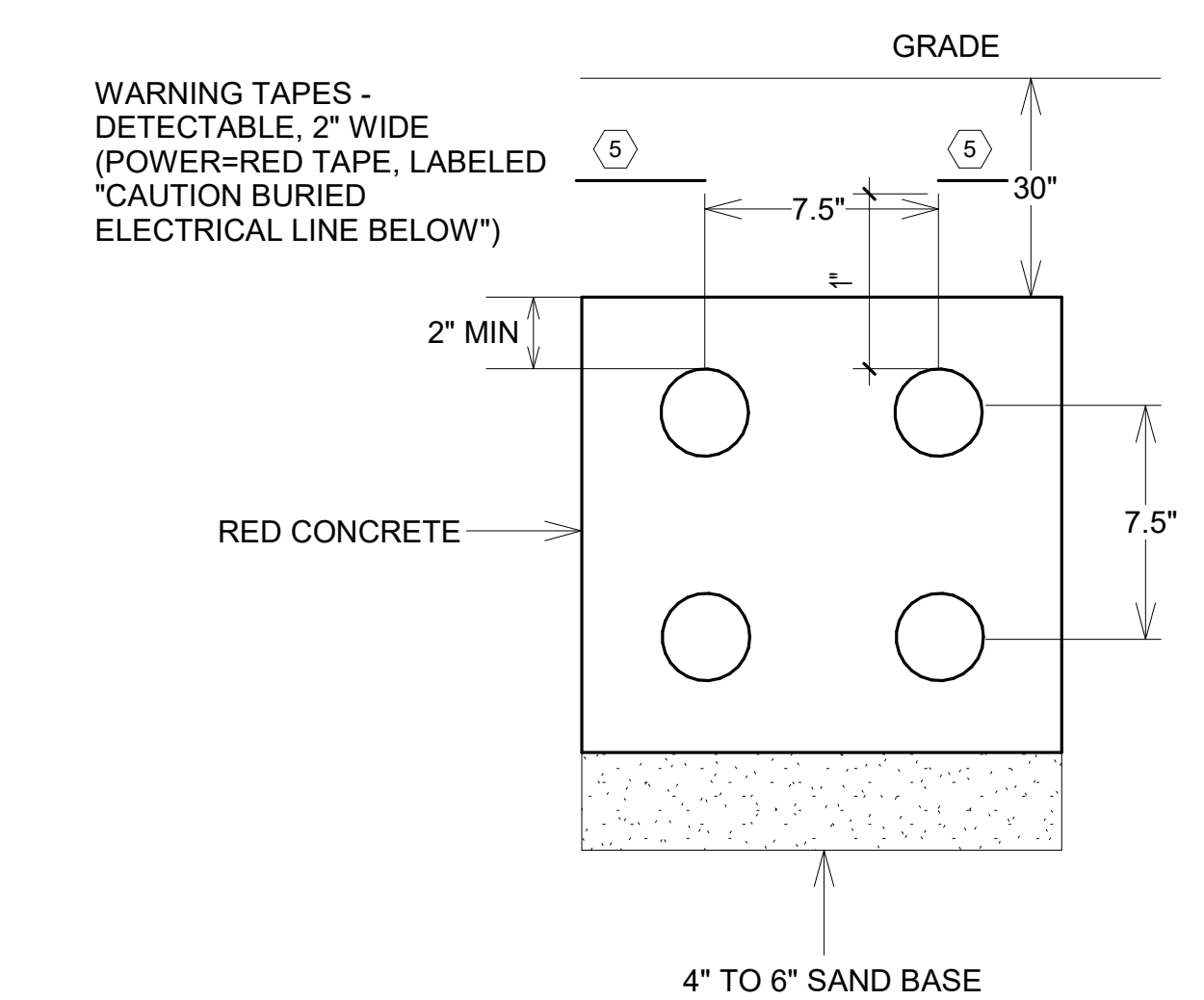


GENERAL NOTES

- A. CONTRACTOR TO FOLLOW VA LOCKOUT-TAGOUT PROCEDURE FOR ALL ELECTRICAL WORK.
- B. CONTRACTOR TO INSTALL NEW DUCT WHILE EXISTING DUCT REMAINS IN OPERATION.
- C. CONTRACTOR TO PERFORM GROUND SURVEY ALONG NEW DUCT BANK PATH TO IDENTIFY UNDERGROUND UTILITIES.
- D. TRENCH AND INSTALL CONCRETE DUCT BANK WITH FOUR 3 IN PVC CONDUITS, PER NEC CODE:
 - a. EACH DUCT WILL HAVE THREE 250KCM CONDUCTORS, AND TWO SPARE DUCTS.
 - b. TOP OF DUCT BANK IS 30 IN BELOW GRADE.
 - c. ADD 4 TO 6 IN OF SAND BEDDING BELOW DUCT BANK.
 - d. ADD RED PIGMENT TO CONCRETE FOR ELECTRICAL DUCT.
 - e. INSTALL 3 IN SCHEDULE 40 PVC CONDUIT (3 1/2 IN OD).
- F. SCHEDULE UTILITY TO PERFORM THEIR CUT-OVER ON SAME DAY AS THE ELECTRICAL CUTOVER IN THE BUILDING.
- G. NOTIFY VA COR THREE WEEKS IN ADVANCE OF PERFORMING OUTAGE (BOTH UTILITY AND BUILDING).
- H. PERFORM BOTH UTILITY AND BUILDING OUTAGES IN ONE WORKING DAY.
- I. FOLLOW NEBRASKA PUBLIC SERVICE UNDERGROUND SEPARATION REQUIREMENTS, PER ELECTRIC SERVICE REQUIREMENTS MANUAL.
- J. SEE DETAIL-2 ON DRAWING G001 FOR OUTDOOR LOCATION OF 400A METER, DISCONNECT SWITCH AND PULL BOX.
- K. SEE EQUIPMENT SCHEDULE ON DRAWING E500.1.

KEY NOTES

- 1. 400A METER ASSEMBLY.
- 2. PROVIDE SUFFICIENT CONTINUOUS CABLE FOR UTILITY TO TERMINATE TO THE TRANSFORMER.
- 3. 400A FUSED DISCONNECT.
- 4. PULL BOX ON OUTSIDE OF BUILDING TO ROUTE CABLE TO POWER PANEL #1.
- 5. INSTALL TWO DETECTABLE WARNING TAPES, RED FOR POWER, 2 IN. WIDE, LABELED "CAUTION ELECTRICAL BURIED LINE BELOW".

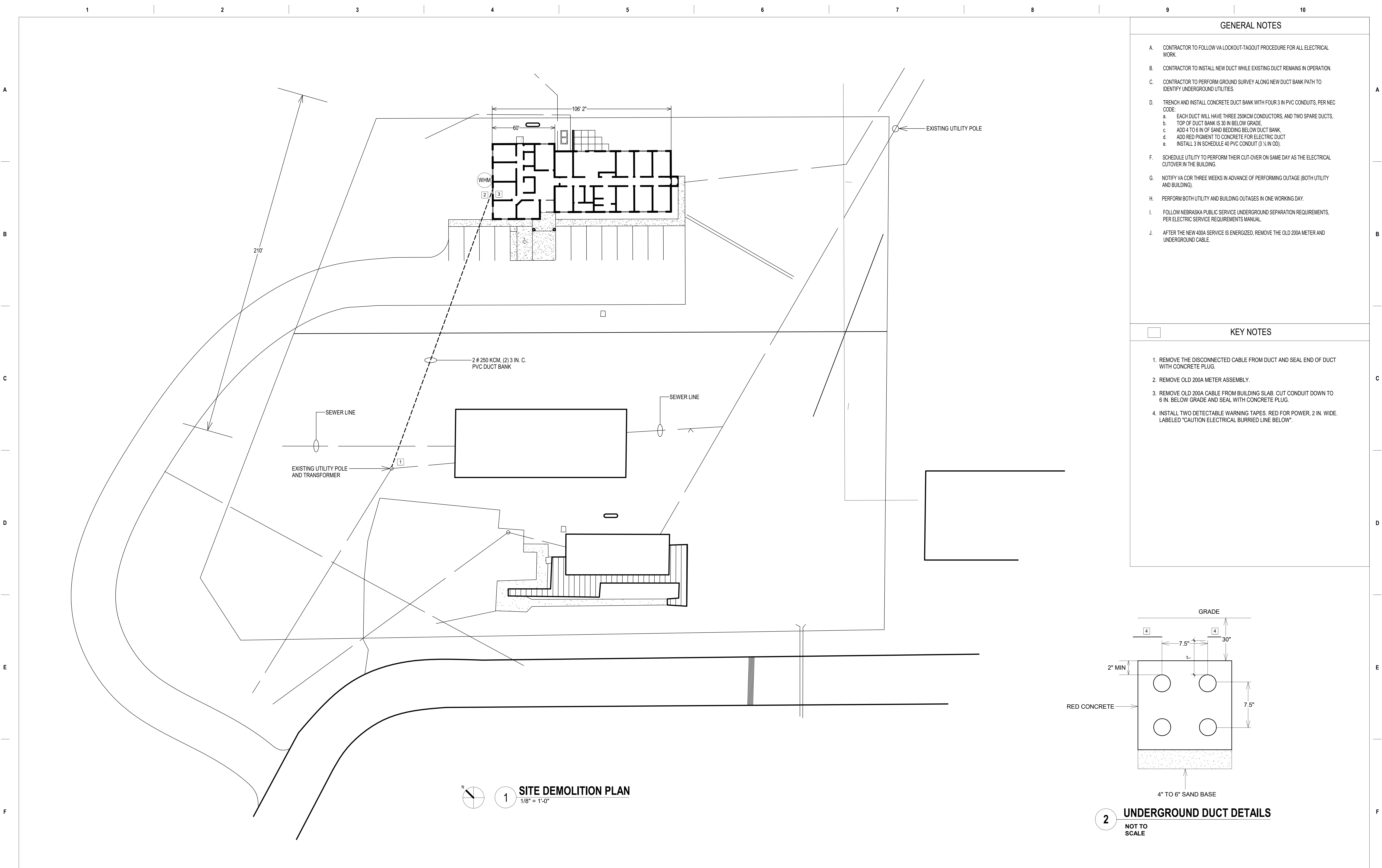


2 UNDERGROUND DUCT DETAIL
NOT TO SCALE

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

REVIEW ONLY - NOT FOR CONSTRUCTION

100% CONSTRUCTION DOCUMENTS 3/31/2022 100% CONSTRUCTION DOCUMENTS 2/17/2022 100% CONSTRUCTION DOCUMENTS REVISED COMMENTS 12/09/2021 95% CONSTRUCTION DOCUMENT 08/27/2021 Revisions: Date:		CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 700 Nicholas Blvd., Suite 300 Old Dominion Village, VA 23061 T: 847.952.9362 F: 847.952.9403 www.bancroft-ae.com BANCROFT ARCHITECTS + ENGINEERS VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ELECTRICAL - SITE PLAN, 400A SERVICE UNDERGROUND Approved: Project Director	Phase 100% CONSTRUCTION DOCUMENTS	Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
							Location PINE RIDGE VA CLINIC	Building Number CBOC	
							Issue Date 3/31/2022	Checked Checker	Drawn Author
									Drawing Number EP102

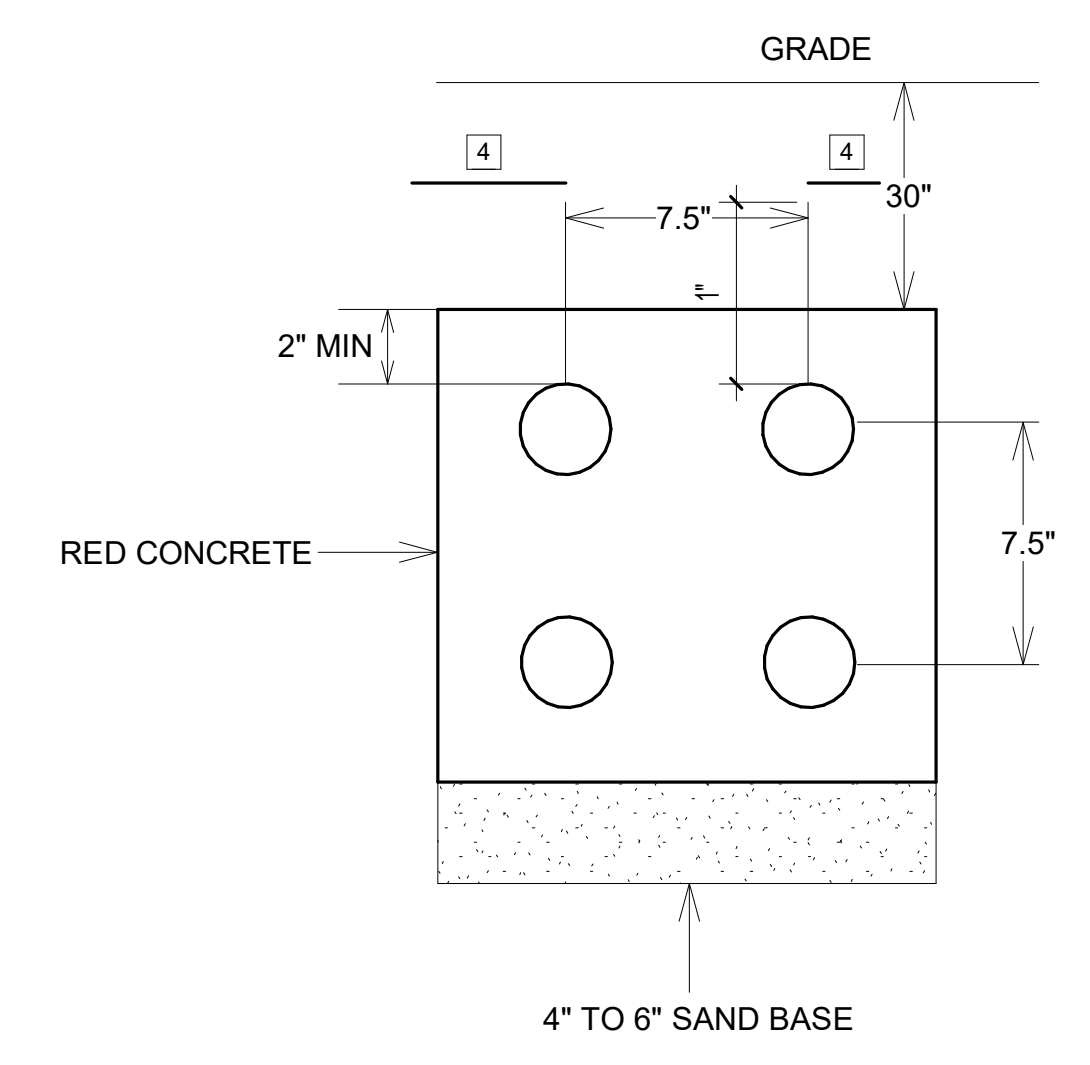


GENERAL NOTES

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- B. CONTRACTOR TO INSTALL NEW DUCT WHILE EXISTING DUCT REMAINS IN OPERATION.
- C. CONTRACTOR TO PERFORM GROUND SURVEY ALONG NEW DUCT BANK PATH TO IDENTIFY UNDERGROUND UTILITIES.
- D. TRENCH AND INSTALL CONCRETE DUCT BANK WITH FOUR 3 IN PVC CONDUITS, PER NEC CODE:
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 - b. TOP OF DUCT BANK IS 30 IN BELOW GRADE.
 - c. ADD 4 TO 6 IN OF SAND BEDDING BELOW DUCT BANK.
 - d. ADD RED PIGMENT TO CONCRETE FOR ELECTRIC DUCT.
 - e. INSTALL 3 IN SCHEDULE 40 PVC CONDUIT (3/4 IN OD).
- F. SCHEDULE UTILITY TO PERFORM THEIR CUT-OVER ON SAME DAY AS THE ELECTRICAL CUTOVER IN THE BUILDING.
- G. NOTIFY VA COR THREE WEEKS IN ADVANCE OF PERFORMING OUTAGE (BOTH UTILITY AND BUILDING).
- H. PERFORM BOTH UTILITY AND BUILDING OUTAGES IN ONE WORKING DAY.
- I. FOLLOW NEBRASKA PUBLIC SERVICE UNDERGROUND SEPARATION REQUIREMENTS, PER ELECTRIC SERVICE REQUIREMENTS MANUAL.
- J. AFTER THE NEW 400A SERVICE IS ENERGIZED, REMOVE THE OLD 200A METER AND UNDERGROUND CABLE.

KEY NOTES

1. REMOVE THE DISCONNECTED CABLE FROM DUCT AND SEAL END OF DUCT WITH CONCRETE PLUG.
2. REMOVE OLD 200A METER ASSEMBLY.
3. REMOVE OLD 200A CABLE FROM BUILDING SLAB. CUT CONDUIT DOWN TO 6 IN. BELOW GRADE AND SEAL WITH CONCRETE PLUG.
4. INSTALL TWO DETECTABLE WARNING TAPES, RED FOR POWER, 2 IN. WIDE, LABELED "CAUTION ELECTRICAL BURIED LINE BELOW".

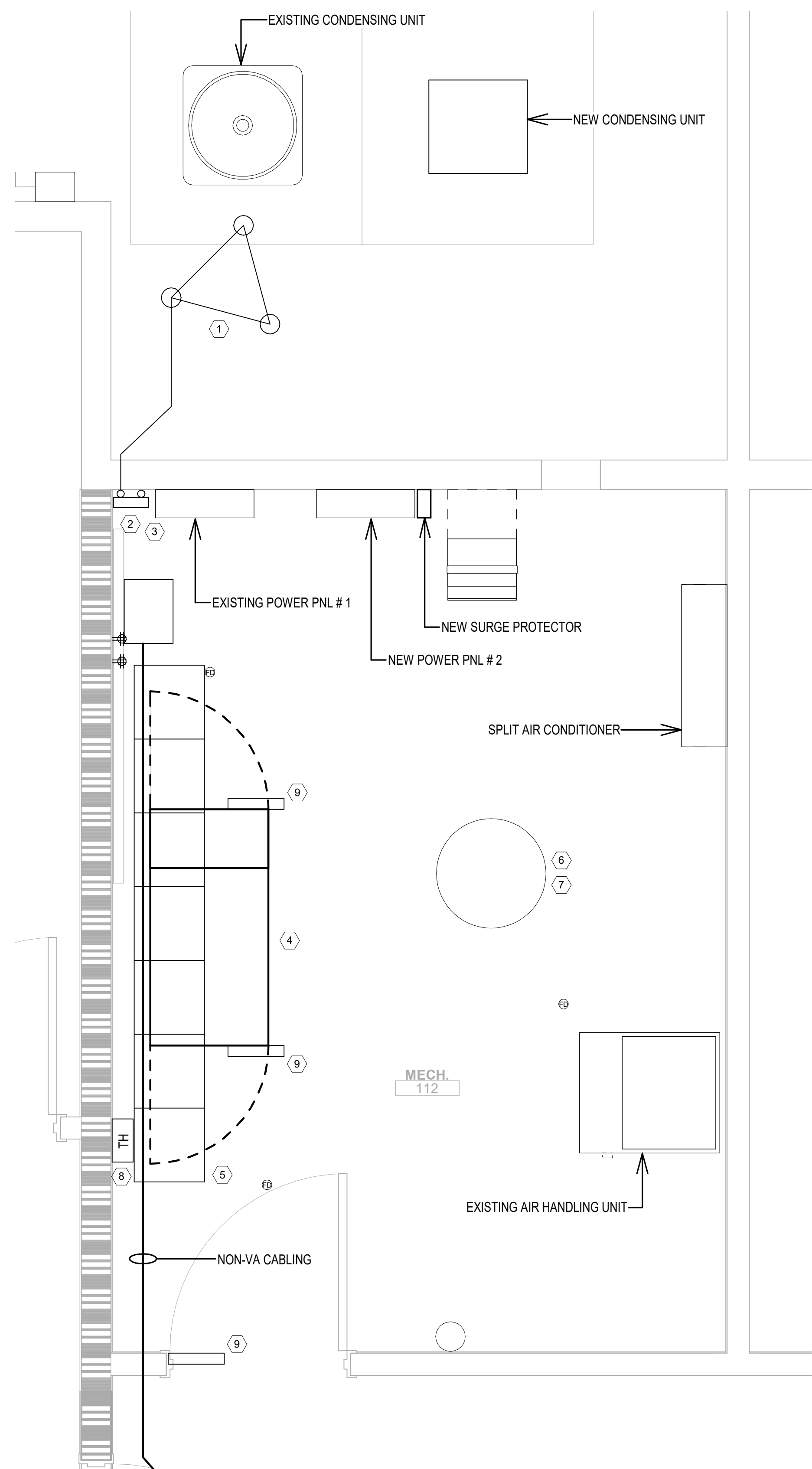


2 UNDERGROUND DUCT DETAILS
NOT TO SCALE

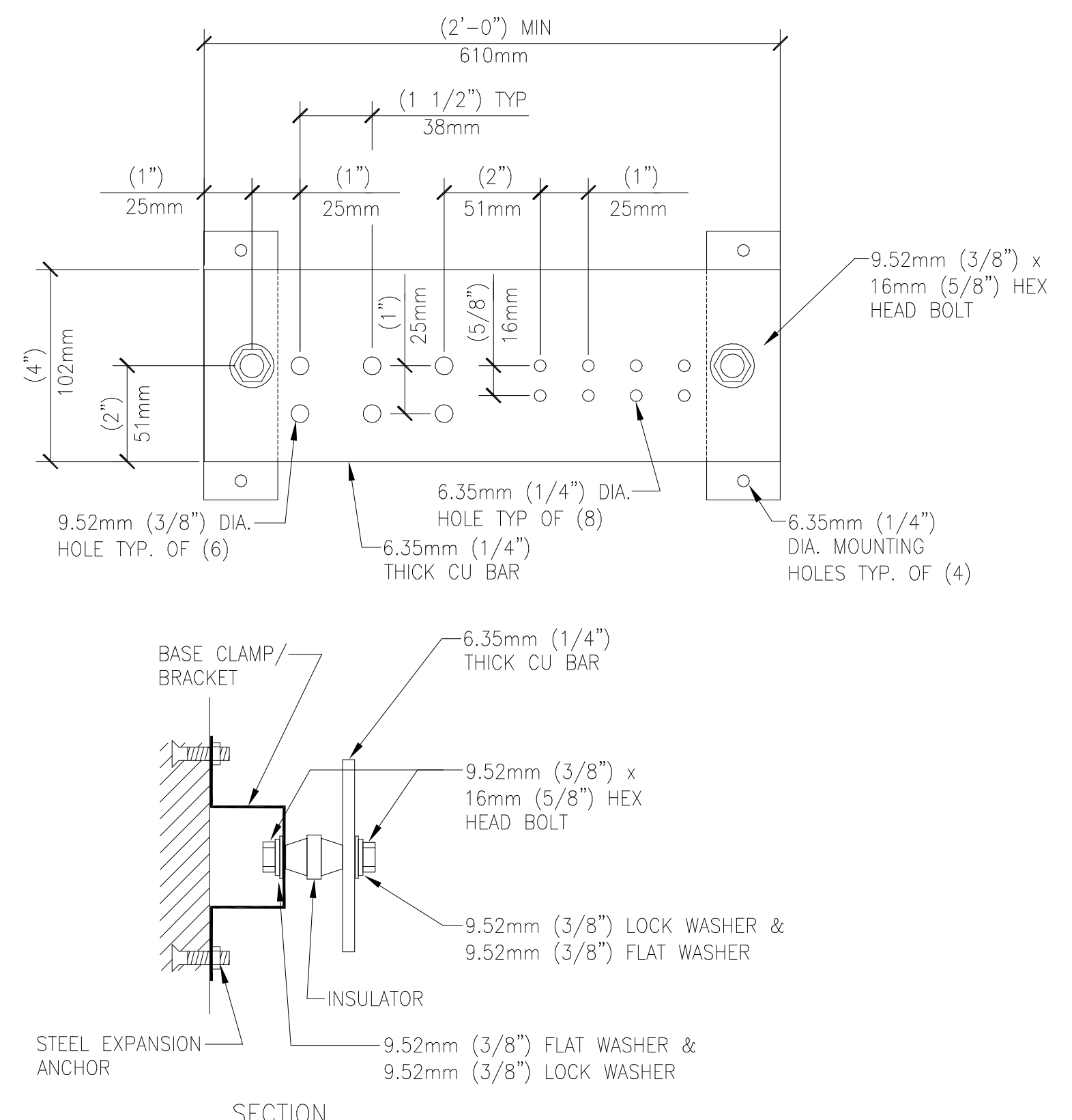
1 SITE DEMOLITION PLAN
1/8" = 1'-0"

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100% CONSTRUCTION DOCUMENTS 3/31/2022 100% CONSTRUCTION DOCUMENTS 2/17/2022 100% CONSTRUCTION DOCUMENTS REVISED COMMENTS 12/09/2021 Revisions: Date:		CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 700 Nicholas Blvd., Suite 300 5th Floor, Virginia Beach, VA 23502 T: 847.952.9362 F: 847.952.9403 www.bancroft-ae.com VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ELECTRICAL - SITE PLAN, 400A SERVICE UNDERGROUND Approved: Project Director	Phase 100% CONSTRUCTION DOCUMENTS	Project Title EHRM INFRASTRUCTURE UPGRADES Project Number 568A4-21-703 Building Number CBOC Location PINE RIDGE VA CLINIC Issue Date 3/31/2022 Checked WG Drawn BX	Drawing Number EPD102
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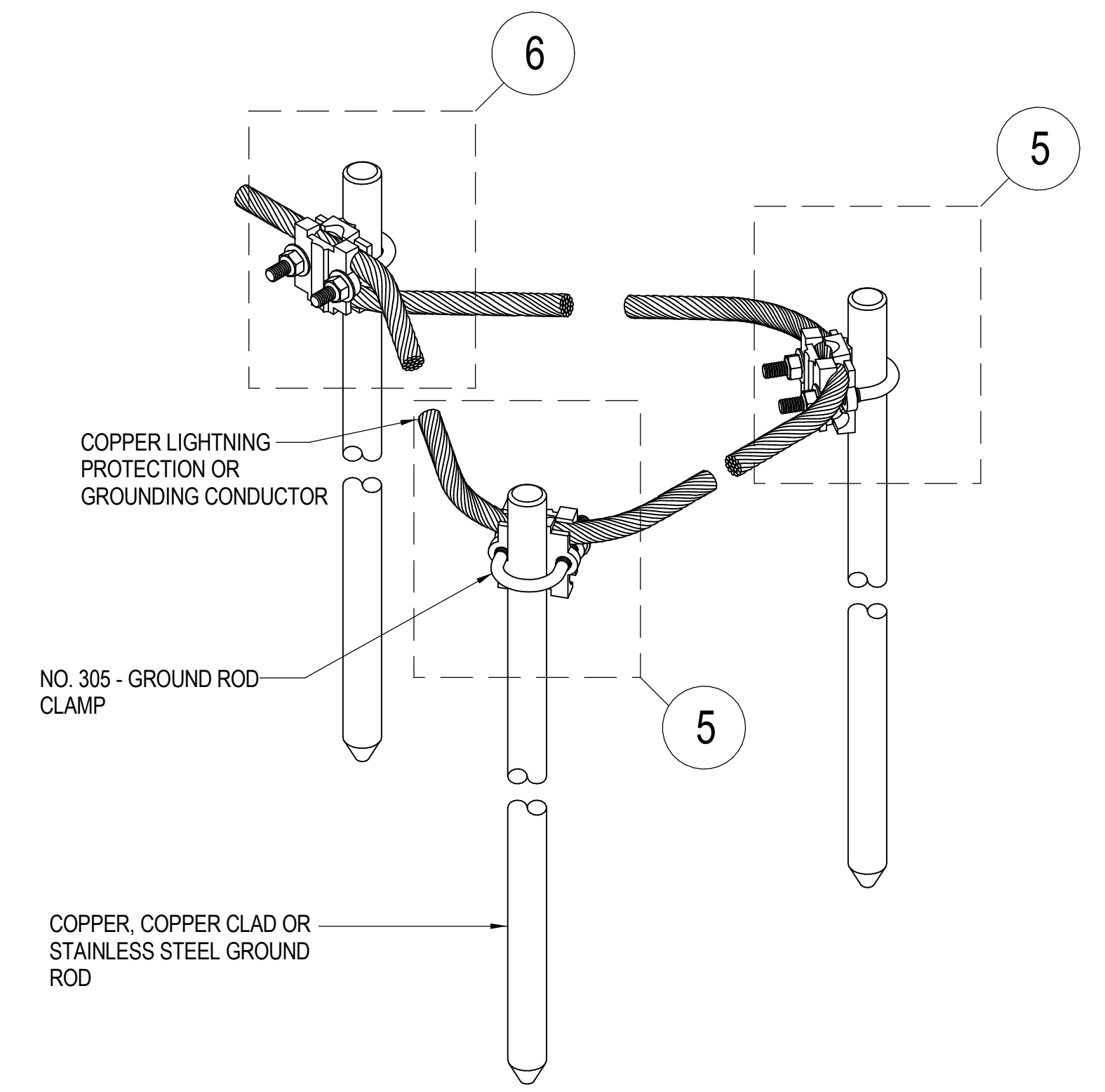


1 ELECTRICAL - ENLARGED MECHANICAL ROOM TECHNOLOGY PLAN
3/4" = 1'-0"

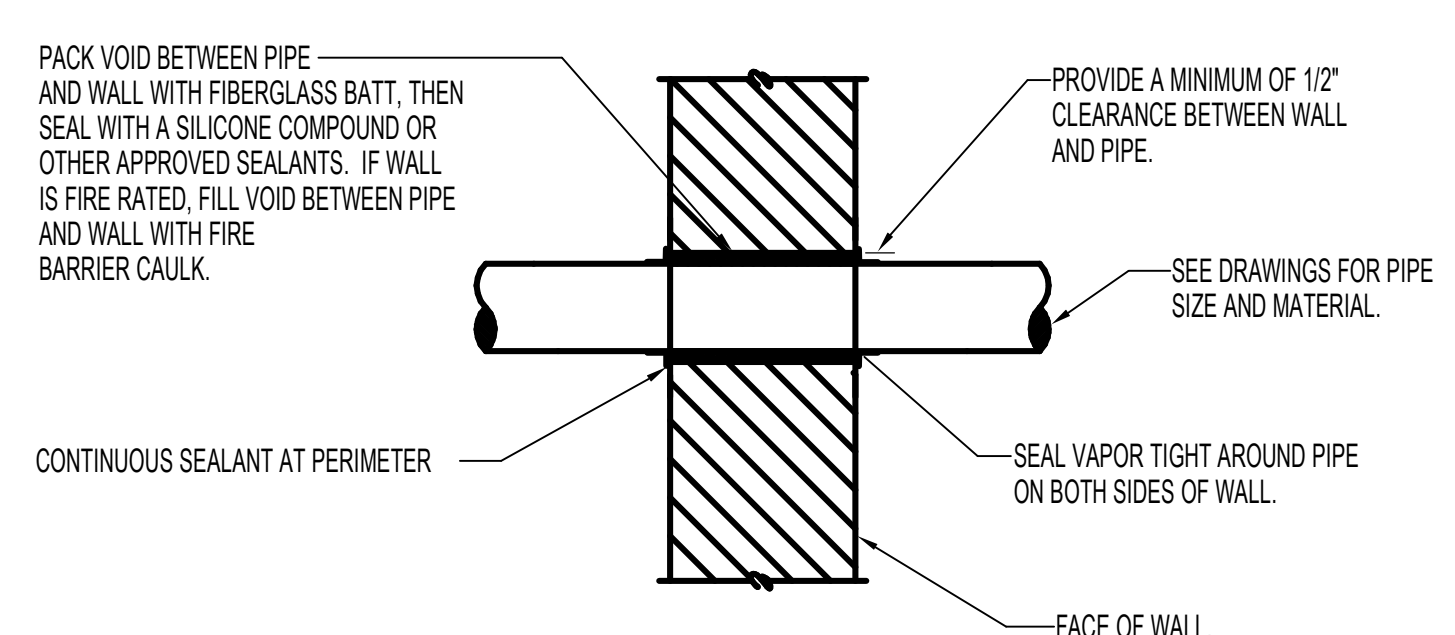


- GENERAL NOTES:**
- ALL HARDWARE SHALL BE STAINLESS STEEL.
 - PROVIDE 1 MOUNTING POINT PER 305mm (12\") OF BAR LENGTH.
 - HOLES MAY BE ADDED IF REQUIRED.

2 TMGB GROUNDING BAR DETAIL
NOT TO SCALE

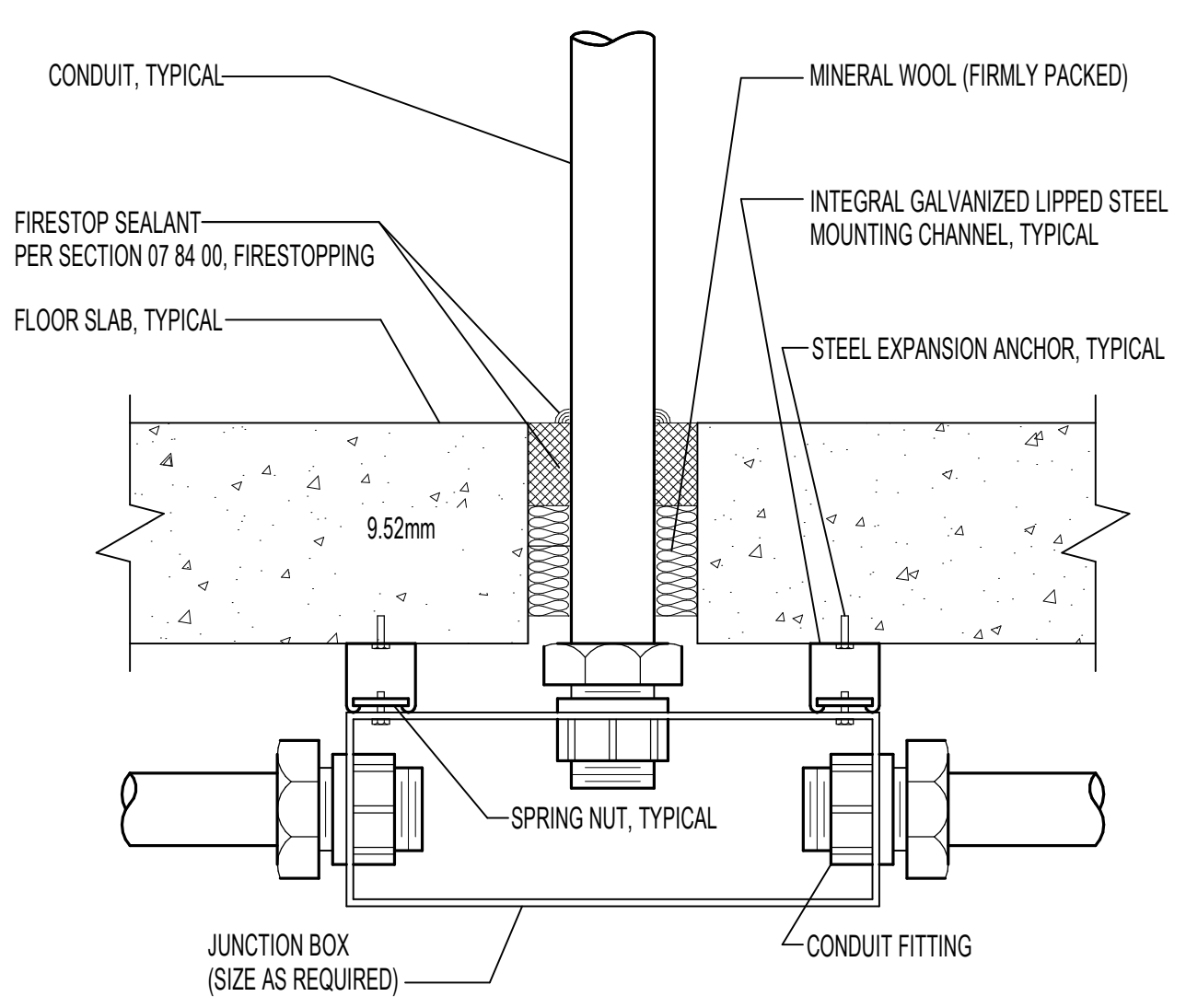


3 GROUND TRIAD DETAILS
NOT TO SCALE



- NOTES:**
- I.D. OF WALL OPENING TO BE A MIN. OF 1/2\"/>

4 PIPE PENETRATION OF WALL DETAIL
NTS



5 FLOOR SLAB PENETRATION DETAIL
NTS

GENERAL NOTES

- CONTRACTOR TO PERFORM MANUAL DIGGING TO CLEAR AREA FOR GROUND RODS.
- ATTACH SIGN ABOVE TMGB BAR AND OUTSIDE NEXT TO TMGB GROUND TRIAD - TELECOMMUNICATIONS GROUND DO NOT USE AS ELECTRICAL GROUND. SEE DRAWING E700 FOR SIGN DETAILS.
- ALL IT AND TELECOMMUNICATIONS SYSTEMS MUST REMAIN OPERATIONAL WHEN NEW CABINET WIRING AND EQUIPMENT IS INSTALLED.
- WHEN INSTALLING THE NEW TRIODE GROUND RODS FOR THE TELECOMMUNICATIONS GROUND BAR, CONTRACTOR TO "WAP OUT" ALL UNDERGROUND WIRING IN AREA TO AVOID DAMAGE TO EXISTING COMMUNICATIONS LINES.
- INSTALL NEW TRIODE GROUND RODS NEAR DOWNSPOUT FOR INCREASED GROUND CONDUCTIVITY.
- AFTER NEW TELECOMMUNICATIONS GROUND BAR (TMGB) IS INSTALLED, THE NEW CABINET SHALL BE GROUNDED TO THE NEW TMGB. ALL EQUIPMENT IN CABINET SHALL BE BONDED TO THE GROUND BAR AT THE TOP OF THE CABINET.
- CONTRACTOR AND COR TO INSTRUCT PHONE COMPANY AND ADT TO TRANSFER ALL OF THEIR EQUIPMENT GROUNDED TO NEW TMGB.
- SEE DRAWING ET103 FOR COMPUTER EQUIPMENT CONFIGURATION.
- FOR INCREASED RELIABILITY, CONTRACTOR AND COR TO INSTRUCT PHONE COMPANY TO POWER THEIR EQUIPMENT FROM NEW UPS, INSTEAD OF RECHARGEABLE BATTERY SYSTEM.
- DROP CONDUIT FROM CEILING FOR THERMOCOUPLE AND WATER DETECTOR PROBES FOR WATER HEATER. NO WIRING ON FLOOR.
- POST PHENOLIC SIGN LISTING COLOR REQUIREMENTS FOR NETWORK CABLES AT FRONT OF CABINET.
- NOTE: NETWORK CABLING FROM BEDROOMS IS TERMINATED ON SEPARATE COMMUNICATIONS SWITCH, NOT LOCATED IN COMPUTER CABINET.
- CONTRACTOR TO COORDINATE WITH COR AND ADT TO INSTALL ADT TAMPER SWITCHES ON COMPUTER CABINET AND SIGNAL FROM ROOM MONITOR ETHERNET SWITCH.
- SEE PLUMBING DRAWING P101 FOR LOCATION OF HOT WATER DISCHARGE LINE.
- REQUEST GUIDANCE FROM VA COR OR DESIGNEE FOR EXACT LOCATION OF SENSORS. INSTALLATION TO BE COORDINATED WITH VA COR VA OR COR REPRESENTATIVE.

KEY NOTES

- INSTALL GROUNDING TRIAD NEAR ROOF DOWNSPOUT DISCHARGE. THIS IS A DEDICATED GROUND FOR TELECOMMUNICATIONS EQUIPMENT. CONNECT TO TMGB INSIDE ROOM 112.
- INSTALL TELECOMMUNICATIONS GROUND BAR TMGB.
- INSTALL (2) PHENOLIC RED SIGNS, WITH 1/4 IN LETTERS "TELECOMMUNICATIONS GROUND ONLY - NOT ELECTRICAL GROUND, NEXT TO TELECOMMUNICATION GROUND OUTSIDE, AND WHERE GROUND COMES INTO BUILDING ON INSIDE WALL. PLACED ON INSIDE AND OUTSIDE OF BUILDING.
- NEW COMPUTER CABINET.
- LADDER TRAY FOR IT CABLES.
- ATTACH THERMOCOUPLE TO "HOT WATER" DISCHARGE PIPE OF WATER HEATER. ATTACH WITH SS PIPE CLAMP. INSTALL AS CLOSE AS POSSIBLE TO TOP OF TANK. INSULATE THERMOCOUPLE WITH PIPE INSULATION.
- INSTALL "WATER BUG" WATER DETECTION PROBE ON FLOOR BELOW WATER HEATER, ON SIDE LEADING TO DRAIN.
- INSTALL "TEMPERATURE AND HUMIDITY" PROBE ON WALL IN FRONT OF COMPUTER CABINET 1 FT BELOW TOP OF CABINET.
- INSTALL ADT DOOR TAMPER SWITCHES ON COMPUTER CABINET DOORS AND DOOR TO ROOM 112.

100% CONSTRUCTION DOCUMENTS	3/31/2022
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Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

700 Nicholas Blvd, Suite 300
 6th Floor West Wing, Ft. Belvoir
 T: 847.952.9362 F: 847.952.9420
 www.bancroft-ar.com
 BANCROFT ARCHITECTS + ENGINEERS
 VA CONTRACT NO. 38C26319D0044
 Bancroft Project No. 18-121

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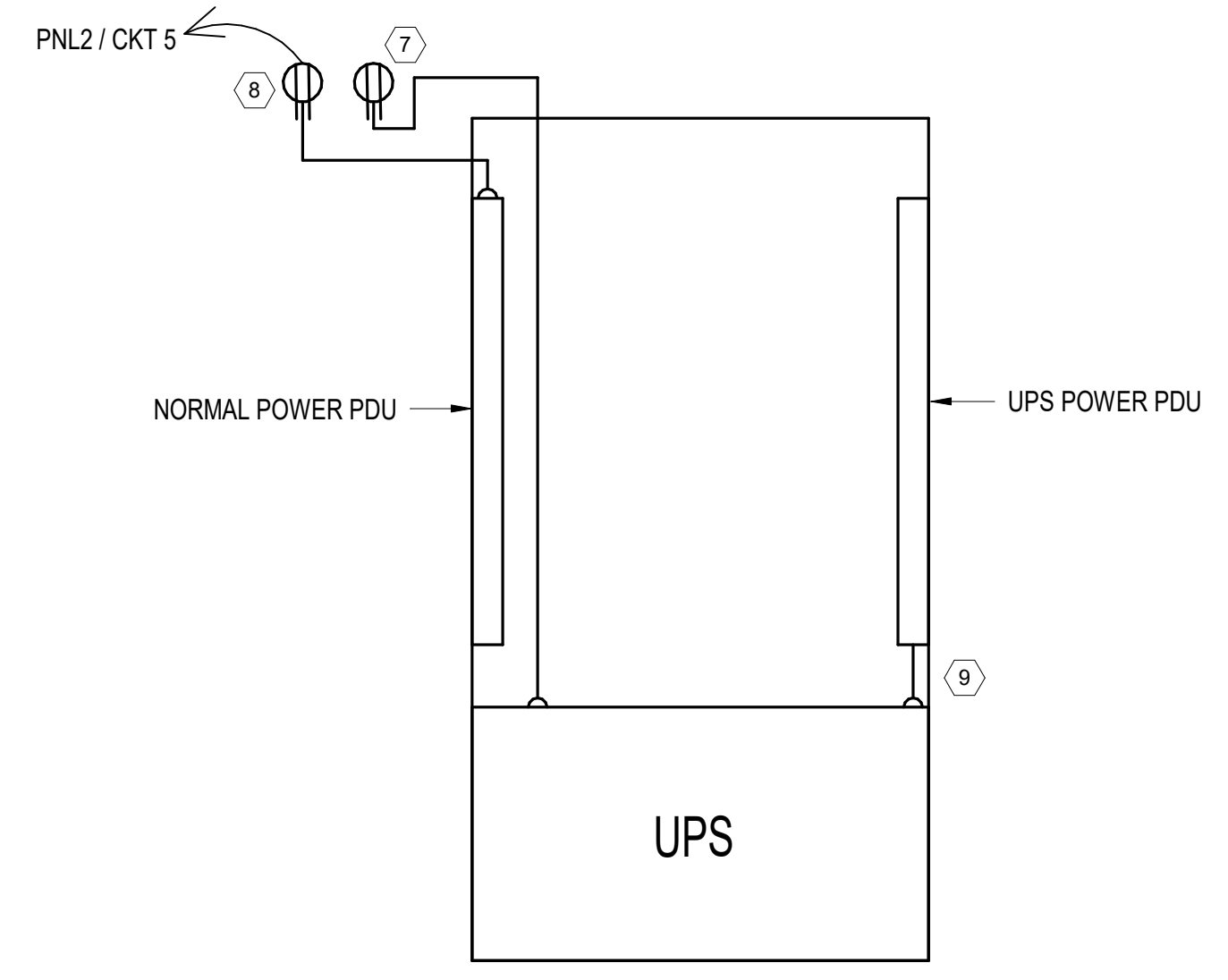
Drawing Title
ELECTRICAL - ENLARGED MECHANICAL ROOM TECHNOLOGY PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Location PINE RIDGE VA CLINIC	Building Number CBOC
Issue Date 3/31/2022	Checked WG
Drawn BX	Drawing Number ET101



2 UPS, PDU RECEPTACLE LOCATIONS DETAIL
NOT TO SCALE

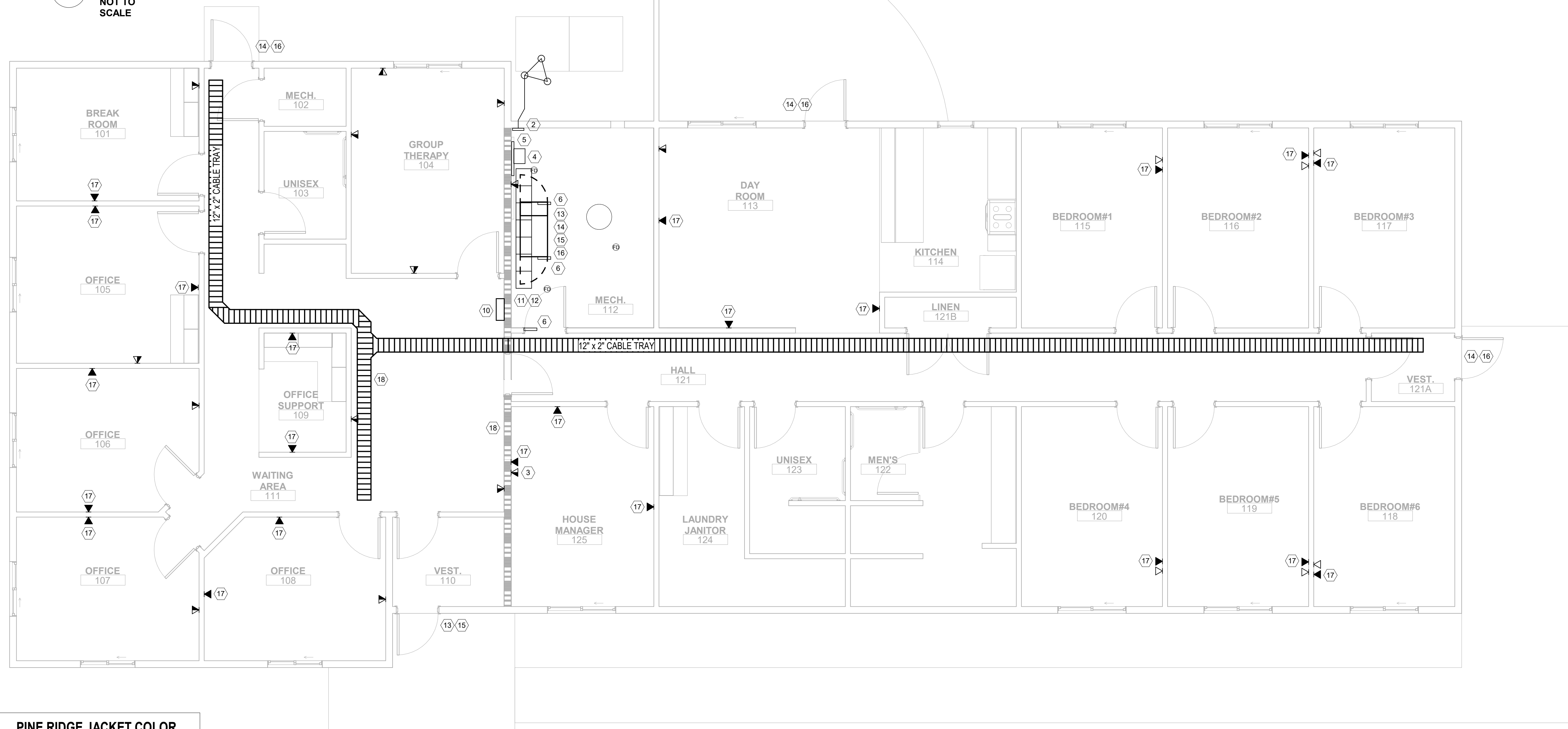
CABLE ROUTING SCHEDULE					
KEY NOTE	APPLICATION	COLOR	NO OF CABLES	CONDUIT	NOTES
N/A	DATA	GREEN	4 PER RECEPTACLE	3/4 IN	ROUTE IN CABLE TRAY, THEN CONDUIT FROM CABLE TRAY TO DESTINATION, TERMINATE TO PATCH PANEL AND TO RECEPTACLE.
13	DATA TO FRONT DOOR	GREEN	6 CABLES	1 IN	ROUTE IN CABLE TRAY, THEN CONDUIT FROM CABLE TRAY TO DESTINATION, TERMINATED, TESTED, LABELED - COIL 30FT ABOVE DOOR AND IN CABLE TRAY.
14	DATA TO 3 OTHER OUTSIDE DOORS	GREEN	4 CABLES	3/4 IN	ROUTE IN CABLE TRAY, THEN CONDUIT FROM CABLE TRAY TO DESTINATION, TERMINATED, TESTED, LABELED - COIL 30FT ABOVE DOOR AND IN CABLE TRAY.
15	SURVEILLANCE TO FRONT DOOR AREA	VIOLET	4 CABLES	1 IN	ROUTE IN CONDUIT FROM ABOVE CABINET TO DESTINATION, TERMINATE BOTH ENDS OF CABLE, COIL 40 FT AT EACH END. DO NOT CONNECT TO PATCH PANEL.
16	SURVEILLANCE TO 3 OTHER OUTSIDE DOOR AREAS	VIOLET	4 CABLES	3/4 IN	ROUTE IN CONDUIT FROM ABOVE CABINET TO DESTINATION, TERMINATE BOTH ENDS OF CABLE, COIL 40 FT AT EACH END. DO NOT CONNECT TO PATCH PANEL.
17	(POTS) TELEPHONE LINES	WHITE	1 CABLE	3/4 IN	REPLACE EXISTING POTS LINES IN ROOMS 113, 125, 115, 116, 117, 118, 119, 120 WITH UPGRADED WIRING PER GOLDEN WEST STANDARD.

GENERAL NOTES

- A. CABLE ROUTING IS SHOWN ONLY FOR BED ROOMS BECAUSE THESE CABLES GO TO A NON-VA DEDICATED SWITCH.
- B. ALL OTHER CABLING TO BE ROUTED PER VA SPECIFICATIONS.
- C. SINGLE CAT 3 RJ11 CABLING FROM BEDROOMS #1 THROUGH #6, IS ROUTED TO A SEPARATE PATCH PANEL MOUNTED ABOVE THE NEW SWITCH, AND NEW Voip / Poe COMMUNICATIONS SWITCH (NOT MIXED WITH VA WIRING), THEN THE OUTPUT GOES TO THE PHONE COMPANY DEMARC SWITCH.
- D. IN BEDROOMS #1 THROUGH #6, PROVIDE NEW 4-PORT FACEPLATES, AND REPLACE EXISTING CAT6 CABLES WITH FOUR (4) NEW CAT6A CABLES, ROUTED TO THE DEDICATED SWITCH.
- E. FOR ALL OTHER 4-PORT LOCATIONS, REUSE EXISTING CONDUIT AND BACKBOXES, NEW FACEPLATES, TERMINATIONS AND CABLES ARE REQUIRED, IF THEY NEED TO BE RELOCATED, DO NOT USE OUTER WALLS.
- F. ALL CAT6A CABLING THAT IS NOT IN BEDROOMS SHALL BE ROUTED AND TERMINATED ON THE PATCH PANELS INSIDE THE NEW CABINET.
- G. CONTRACTOR TO PROVIDE 72 PATCH CABLES TO VA TO ROUTE FROM PATCH PANELS TO EQUIPMENT INSIDE THE CABINET.
- H. SEE DETAIL FOR LOCATING RECEPTACLES FOR UPS AND NORMAL POWER PDU. POWER WIRING MUST FEED FROM ABOVE. NO WIRING ON THE FLOOR.
- I. CERTIFIED FIRE PROTECTION CONTRACTOR SHALL BE UTILIZED TO RELOCATE FIRE ALARM CONTROL PANEL AND EXTEND WIRING TO NEW PANEL LOCATION. SEE DRAWING ET100 FOR DETAILS.
- J. SEE DRAWING ET103 FOR TECHNOLOGY EQUIPMENT AND WIRING IN ROOM 112.
- K. EACH 4-PORT RECEPTACLE SHALL HAVE (4) CAT6A NORMAL PORTS.
- L. SURVEILLANCE CABLES MUST BE IN CONDUIT FROM ABOVE COMPUTER CABINET TO END POINT.
- M. OTHER NETWORK CABLING MUST BE ROUTED IN CABLE TRAY, AND THEN IN CONDUIT FROM CABLE TRAY TO END POINT.
- N. INSTALLATION OF ELECTRIC SENSORS TO BE PERFORMED WITH COR OR COR REPRESENTATIVE GUIDANCE.
- O. INSTALL NETWORK CABLE TRAY TO ONE SIDE OF HALLWAY, AND AS HIGH AS POSSIBLE IN CEILING TO ALLOW FOR EASY REMOVAL AND INSTALLATION OF CEILING TILES.
- P. NETWORK CABLES FROM CABLE TRAY CAN RUN IN "FREE AIR" MAX OF 2 FT, THEN ENTER EMIT TO DESTINATION.

KEY NOTES

- 1. N/A.
- 2. GROUND CABINET, LADDER TRAY AND ALL NEW EQUIPMENT TO NEW TELECOMMUNICATIONS GROUND BAR (TMGB).
- 3. TYPICAL 4 - PORT CAT6A RECEPTACLES.
- 4. FOR BEDROOM COMMUNICATIONS, INSTALL A NEW SEPARATE Voip / Poe COMMUNICATIONS SWITCH ON WALL. CONTRACTOR TO PURCHASE SMALL SHELF AND SECURE SHELF AND SWITCH TO WALLBOARD. SEE DETAIL ON DRAWING ET103.
- 5. INSTALL 24 PORT PATCH PANEL ABOVE NEW COMMUNICATIONS SWITCH TO TERMINATE BEDROOM WIRING TO SWITCH.
- 6. ADD TO INSTALL TAMPER SWITCHES ON COMPUTER CABINET DOORS AND ON DOOR TO ROOM 112.
- 7. RECEPTACLE FOR UPS LOCATED ABOVE CABINET - SEE DETAIL 2.
- 8. RECEPTACLE FOR NORMAL POWER PDU LOCATED ABOVE CABINET - SEE DETAIL 2.
- 9. UPS POWER PDU PLUGS INTO UPS - SEE DETAIL 2.
- 10. RELOCATE FIRE ALARM CONTROL PANEL TO OTHER SIDE OF WALL IN WAITING AREA.
- 11. EXTEND 120V AC POWER TO NEW LOCATION OF PANEL.
- 12. INSTALL "RED" SPLICE BOX FOR ALL FIRE ALARM / FIRE DETECTION WIRING. SPLICE ALL 24V AND SIGNAL WIRING IN SPLICE BOX AND ROUTE WIRING TO NEW LOCATION.
- 18. INSTALL "CABLE JACKET COLOR" NAMEPLATES ON CABLE TRAY AND IN CEILING. SEE DRAWING ET700 FOR NAME PLATES.



1 ELECTRICAL - FIRST FLOOR TECHNOLOGY PLAN
1/4" = 1'-0"

PINE RIDGE JACKET COLOR	
SYSTEM	CABLE JACKET
VOICE	WHITE
DATA	YELLOW
DATA	GREEN
DATA	GREY
WIRELESS	ORANGE
VIDEO SURVEILLANCE	VIOLET
NURSE CALL	BLUE
FIRE ALARM	RED
BAS & DAS	BLACK

PLENUM CAT6A CABLE CONDUIT FILL					
AREA	3/4 IN.	1 IN.	1.25	2	NOTES
EXAM AND OFFICE ROOMS	3	6	10	15	LOWER CABLE FILL IS REQUIRED TO MAINTAIN 500 MHZ PERFORMANCE
BED ROOMS	4	7	12	17	

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Revisions:	Date:

CONSULTANT

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Bancroft

700 Nicholas Blvd., Suite 300
 18101 Greenville, NC 27834
 T: 847.952.9362 F: 847.952.9403
 www.bancroft-ar.com
 BANCROFT ARCHITECTS + ENGINEERS
 VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL - FIRST FLOOR NETWORK AND PHONE CABLING PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

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Project Title
EHRM INFRASTRUCTURE UPGRADES

Project Number
 568A4-21-703

Building Number
 CB0C

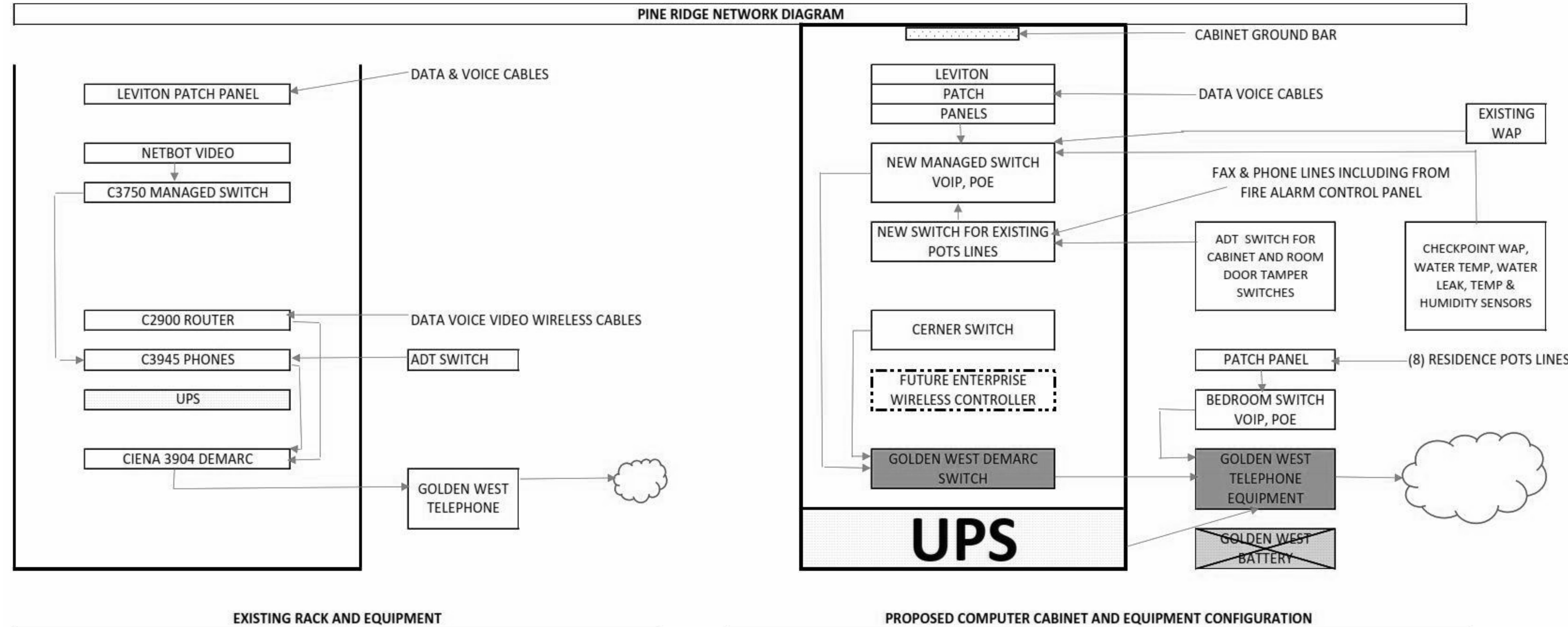
Location
PINE RIDGE VA CLINIC

Issue Date
 3/31/2022

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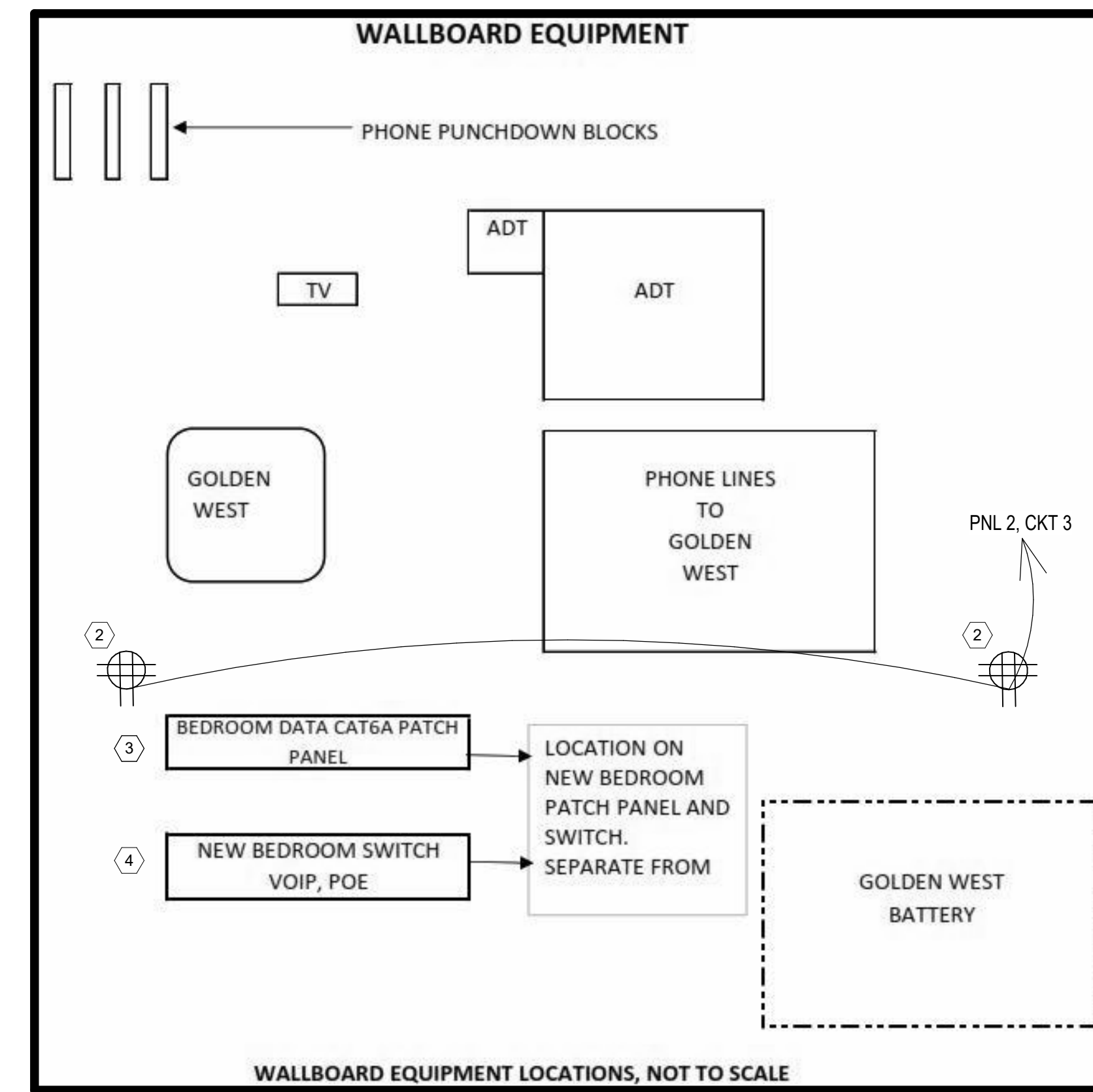
Drawn
 BX

Drawing Number
ET102



NOTE #1: VA TO PURCHASE SWITCHES INSIDE CABINET
 NOTE #2: UPS WILL FEED SWITCHES INSIDE COMPUTER CABINET & BEDROOM & ADT SWITCH
 NOTE #3: GOLDEN WEST TO REMOVE BATTERY AND POWER EQUIPMENT FROM UPS.

1 PINE RIDGE NETWORK DIAGRAM
 NOT TO SCALE



2 WALLBOARD EQUIPMENT
 NOT TO SCALE

GENERAL NOTES

- A. EXISTING SYSTEM REMAINS IN OPERATION WHILE NEW TECHNOLOGY SYSTEM IS BEING CONSTRUCTED.
- B. CONTRACTOR TO INSTALL COMPUTER CABINET AND UPS UNIT.
- C. CONTRACTOR TO VERIFY THAT THE MANUFACTURING DATE OF THE SEALED BATTERIES ARE WITHIN 3 - MONTHS OF CURRENT DATE. REASON FOR THIS IS THAT SEALED BATTERIES HAVE ABOUT A 5 - YEAR LIFETIME, SO YOU DO NOT WANT OLD BATTERIES.
- D. CONTRACTOR TO INSTALL PDU'S (POWER STRIPS) INSIDE BACK OF COMPUTER CABINET.
- E. CONTRACTOR TO LAND ALL CAT6A CABLES ON PATCH PANELS.
- F. VA IT WILL INSTALL ALL SWITCHES.
- G. VA IT WILL TERMINATE PATCH CABLES FROM PATCH PANELS TO SWITCHES.
- H. CONTRACTOR TO PROVIDE SHELF ON PLYWOOD SHEETING FOR INSTALLING SWITCH FOR BEDROOM COMMUNICATIONS.
- I. CONTRACTOR TO INSTALL PATCH PANEL ABOVE BEDROOM SWITCH, AND TERMINATE CAT6A CABLES FROM BEDROOMS TO PATCH PANEL.
- J. ADT WILL INSTALL THEIR EQUIPMENT ON PLYWOOD SHEETING.
- K. ADT WILL TERMINATE, ETHERNET ROOM MONITORING SWITCH, TO ADT SWITCH AND ACTIVATE SYSTEM.
- L. VA IT TO CONNECT VA SWITCHES, BEDROOM SWITCH AND ADT SWITCH TO DEMARC SWITCH.
- M. GOLDEN WEST WILL INSTALL THEIR EQUIPMENT ON PLYWOOD SHEETING.

KEY NOTES

- 1. CONTRACTOR TO NOTIFY VA COR TO CONTACT THE OIT TELEPHONE BUSINESS OFFICE AFTER SYSTEM IS UPDATED.
- 2. QUAD RECEPTACLES ON WALL BOARD.
- 3. ATTACH BEDROOM PATCH PANEL TO WALLBOARD.
- 4. INSTALL SHELF ON WALL BOARD FOR NEW BEDROOM SWITCH.

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Bancroft

700 Nicholas Blvd, Suite 300
 28105-1902, Raleigh, NC 27607
 T: 847.952.9362 F: 847.952.9403
 www.bancroft-ae.com
 VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

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VA U.S. Department of Veterans Affairs

Drawing Title
 ELECTRICAL - NETWORK DIAGRAM

Approved: Project Director

Phase
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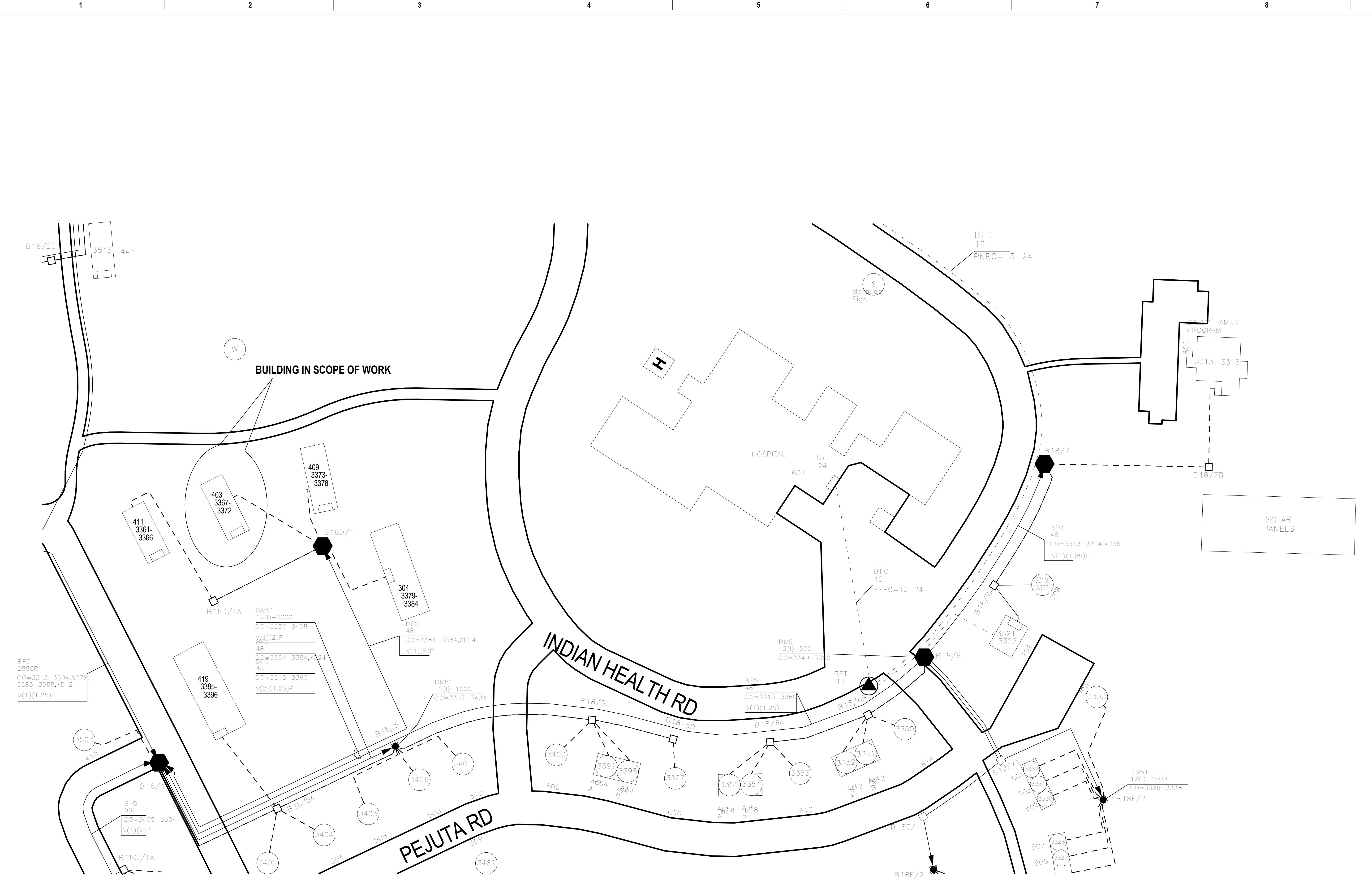
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Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Building Number CBOC	Drawing Number ET103
Location PINE RIDGE VA CLINIC	Issue Date 3/31/2022
Checked WG	Drawn BX

GENERAL NOTES

A. GOLDEN WEST INTERNET PROVIDER PLANT CLERK,
GOLDEN WEST COMMUNICATIONS
P. O. BOX 411
415 CROWN STREET
WALL, SD 57790
TEL: 605-278-1503

KEY NOTES



1 GOLDEN WEST COMMUNICATION FIBER
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Bancroft

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St. Charles, VA 22656
T: 847.952.9362 F: 847.952.9403
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ELECTRICAL - GOLDEN WEST COMMUNICATION FIBER

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Location
PINE RIDGE VA CLINIC

Issue Date
3/31/2022

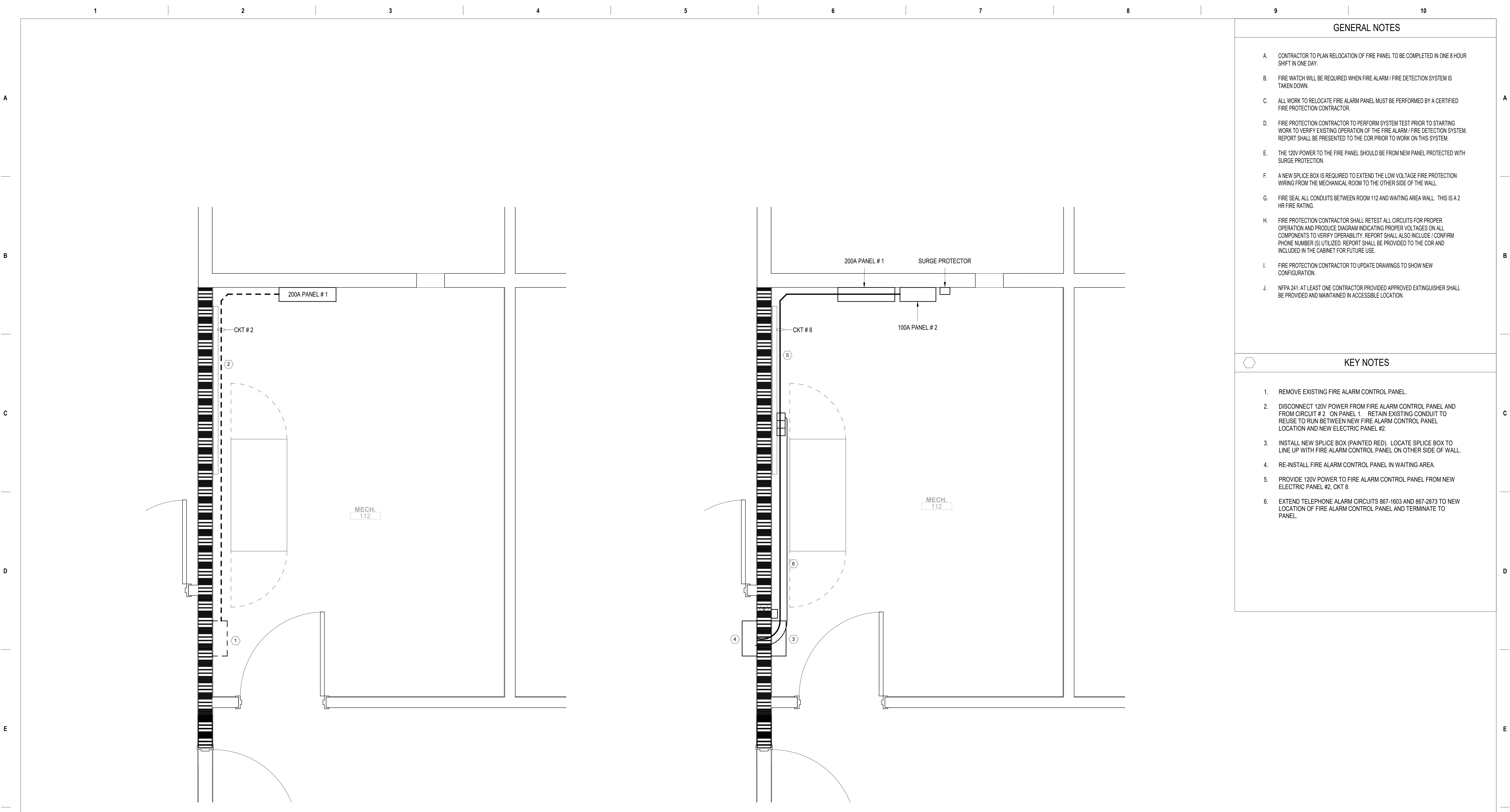
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Project Number
568A4-21-703

Building Number
CBOC

Drawing Number
ET104



1 ELECTRICAL - ENLARGED MECHANICAL ROOM EXISTING FIRE PLAN
3/4" = 1'-0"

2 ELECTRICAL - ENLARGED MECHANICAL ROOM NEW FIRE PLAN
3/4" = 1'-0"

GENERAL NOTES

- A. CONTRACTOR TO PLAN RELOCATION OF FIRE PANEL TO BE COMPLETED IN ONE 8 HOUR SHIFT IN ONE DAY.
- B. FIRE WATCH WILL BE REQUIRED WHEN FIRE ALARM / FIRE DETECTION SYSTEM IS TAKEN DOWN.
- C. ALL WORK TO RELOCATE FIRE ALARM PANEL MUST BE PERFORMED BY A CERTIFIED FIRE PROTECTION CONTRACTOR.
- D. FIRE PROTECTION CONTRACTOR TO PERFORM SYSTEM TEST PRIOR TO STARTING WORK TO VERIFY EXISTING OPERATION OF THE FIRE ALARM / FIRE DETECTION SYSTEM. REPORT SHALL BE PRESENTED TO THE COR PRIOR TO WORK ON THIS SYSTEM.
- E. THE 120V POWER TO THE FIRE PANEL SHOULD BE FROM NEW PANEL PROTECTED WITH SURGE PROTECTION.
- F. A NEW SPLICE BOX IS REQUIRED TO EXTEND THE LOW VOLTAGE FIRE PROTECTION WIRING FROM THE MECHANICAL ROOM TO THE OTHER SIDE OF THE WALL.
- G. FIRE SEAL ALL CONDUITS BETWEEN ROOM 112 AND WAITING AREA WALL. THIS IS A 2 HR FIRE RATING.
- H. FIRE PROTECTION CONTRACTOR SHALL RETEST ALL CIRCUITS FOR PROPER OPERATION AND PRODUCE DIAGRAM INDICATING PROPER VOLTAGES ON ALL COMPONENTS TO VERIFY OPERABILITY. REPORT SHALL ALSO INCLUDE / CONFIRM PHONE NUMBER(S) UTILIZED. REPORT SHALL BE PROVIDED TO THE COR AND INCLUDED IN THE CABINET FOR FUTURE USE.
- I. FIRE PROTECTION CONTRACTOR TO UPDATE DRAWINGS TO SHOW NEW CONFIGURATION.
- J. NFPA 241- AT LEAST ONE CONTRACTOR PROVIDED APPROVED EXTINGUISHER SHALL BE PROVIDED AND MAINTAINED IN ACCESSIBLE LOCATION.

KEY NOTES

- 1. REMOVE EXISTING FIRE ALARM CONTROL PANEL.
- 2. DISCONNECT 120V POWER FROM FIRE ALARM CONTROL PANEL AND FROM CIRCUIT # 2. ON PANEL 1. RETAIN EXISTING CONDUIT TO REUSE TO RUN BETWEEN NEW FIRE ALARM CONTROL PANEL LOCATION AND NEW ELECTRIC PANEL #2.
- 3. INSTALL NEW SPLICE BOX (PAINTED RED). LOCATE SPLICE BOX TO LINE UP WITH FIRE ALARM CONTROL PANEL ON OTHER SIDE OF WALL.
- 4. RE-INSTALL FIRE ALARM CONTROL PANEL IN WAITING AREA.
- 5. PROVIDE 120V POWER TO FIRE ALARM CONTROL PANEL FROM NEW ELECTRIC PANEL #2, CKT 8.
- 6. EXTEND TELEPHONE ALARM CIRCUITS 867-1603 AND 867-2873 TO NEW LOCATION OF FIRE ALARM CONTROL PANEL AND TERMINATE TO PANEL.

REVIEW ONLY - NOT FOR CONSTRUCTION

100% CONSTRUCTION DOCUMENTS	3/31/2022
100% CONSTRUCTION DOCUMENTS	2/17/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
95% CONSTRUCTION DOCUMENT	08/27/2021
65% DESIGN DEVELOPMENT	07/29/2021
Revisions:	Date:

CONSULTANT

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Bancroft

BANCROFT ARCHITECTS + ENGINEERS
700 Nicholas Blvd., Suite 300
Old Dominion Village, VA 23061
T: 847.952.9362 F: 847.952.9403
www.bancroft-ar.com
VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL - RELOCATE FIRE ALARM CONTROL PANEL

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
3/31/2022

Project Number
568A4-21-703

Building Number
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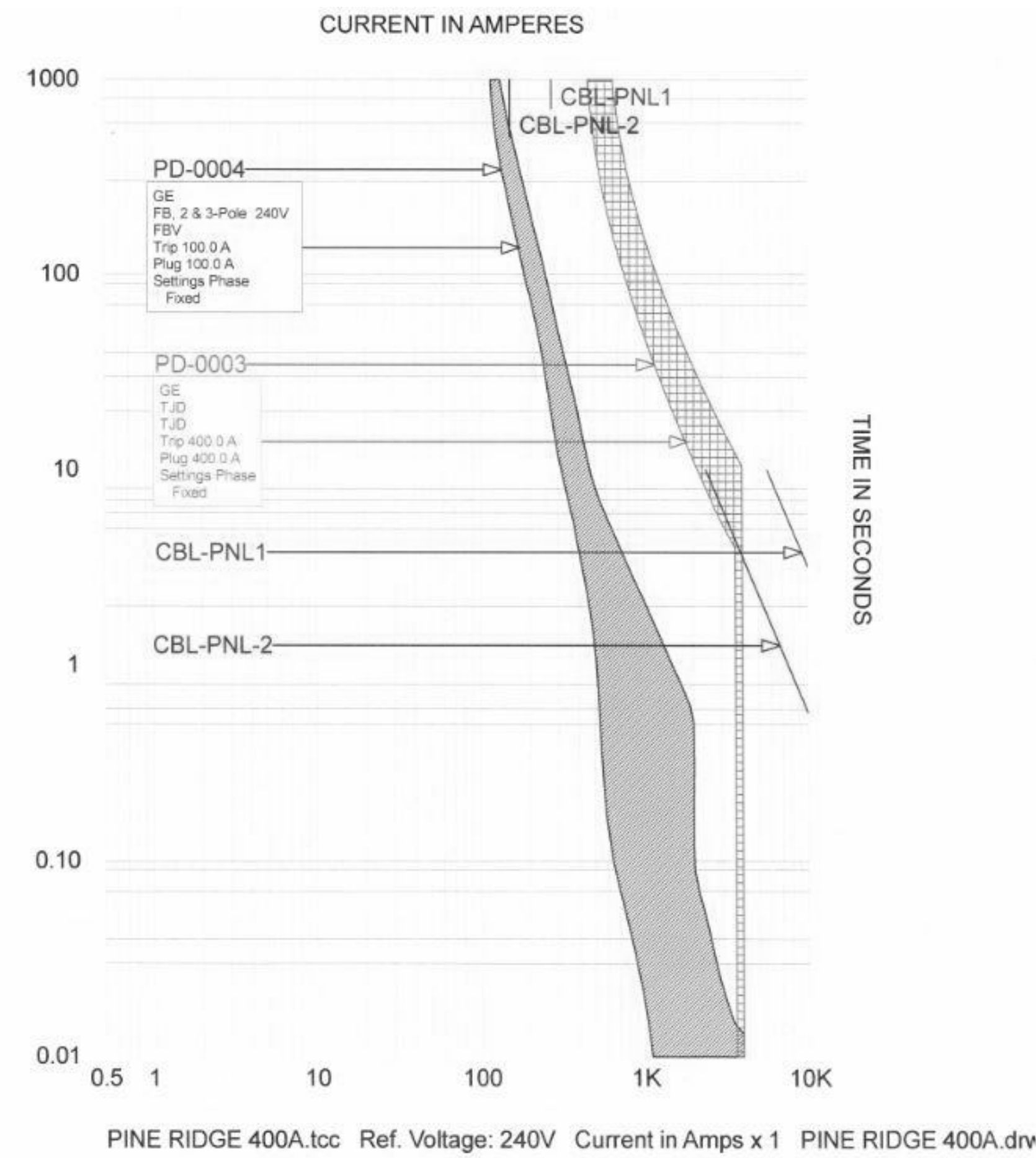
Drawing Number
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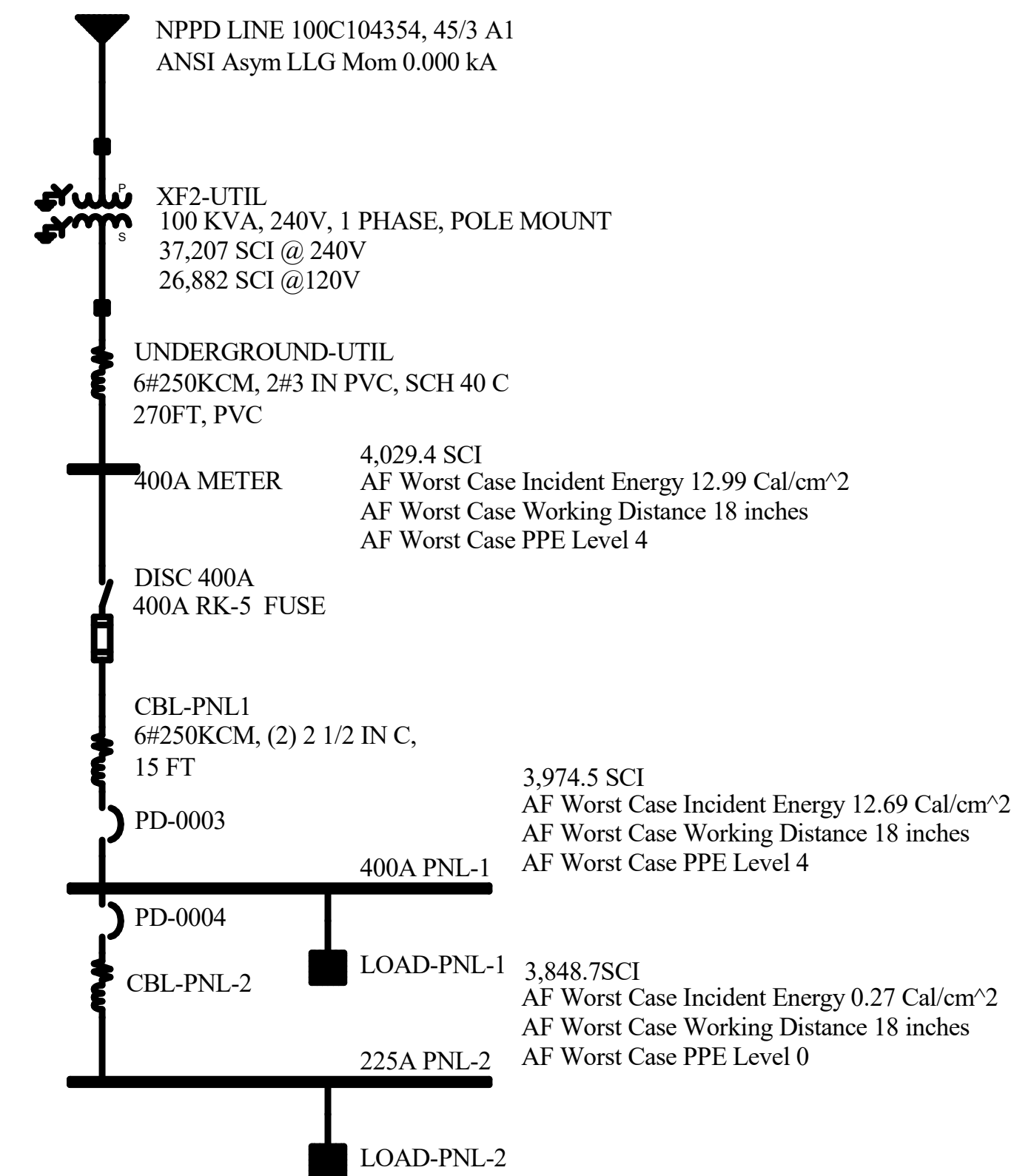
GENERAL NOTES

ARC FLASH DATA																				
Bus Name	Protective Device Name	Bus kV	Bus Bolted Fault (kA)	Bus Arcing Fault (kA)	Prot Dev Bolted (kA)	Prot Dev Arcing (kA)	Trip/ Delay (sec)	Breaker Opening Time (sec)	Ground	Equip Type	Electrode Config	Box Width (in)	Box Height (in)	Box Depth (in)	Gap (mm)	Arc Flash Boundary (in)	Working Distance (in)	Incident Energy (cal/cm ²)	Level/Note	Label #
225A PNL-2	PD-0004	0.24	5.59	2.35	5.59	2.35	0.0518	0.0000		PNL	VCB	12	14	10	25	7	18	0.27	(*N3)	# 0003
400A METER (UTILITY)	MaxTripTime @2.0s	0.24	5.98	2.93	5.98	2.93		2	0.0000		VCB	12	14	10	25	80	18	13.0	(*N2) (*N9)	# 0001
400A PNL-1	PD-0003	0.24	5.86	2.86	5.86	2.86		2	0.0000		VCB	12	14	10	25	79	18	12.7	(*N9)	# 0002



ELECTRIC EQUIPMENT SCHEDULE BASIS OF DESIGN OR VA APPROVED EQUAL					
QUANTITY	ITEM	DESCRIPTION	MANUFACTURER	NOTES	
2,000 FT	250KCM CABLE, 3 CONDUCTOR	90 DEG C, WET OR DRY 112-10-4132	OKONITE	UL TYPE TC,	
1	FUSED DISCONNECT SWITCH	400A	NEMA 3R	ABB	OUTDOOR NEMA 3, SPEC SETTER - HEAVY DUTY, 400A, SINGLE PHASE 240V, 3 WIRE - TG3224R
1	400A INTERIOR BUS ONLY, TOP FEED, WITH 400A MAIN BREAKER	1 - PHASE, 3 - WIRE	CAT: ADF3424TB	GE	FOR 37 X 42 BRANCH SPACE, 22,000 A MAX, WITH TJD CIRCUIT BREAKER, 120/240V. CONTRACTOR TO SPECIFY ALL OTHER APURTANCES REQUIRED FOR GROUNDING, NEUTRAL, ECT FOR A 100% CODE PANEL.
1	400A, TJD MAIN CB	400A, TWO POLE		GE	400A TJD MAIN BREAKER, 22,000 SCI
1	PULLBOX	12 X 12 10	NEMA 1	HOFFMAN	NEMA 1 FOR INTERIOR, SIZE IS APPROXIMATE, CONTRACTOR TO DETERMINS SIZE BASED ON AVAILABLE AREA.
1	PULLBOX	12 X 12 10	NEMA 3	HOFFMAN	NEMA 3 FOR INTERIOR, SIZE IS APPROXIMATE, CONTRACTOR TO DETERMINS SIZE BASED ON AVAILABLE AREA.
1	ROLE	IDENTIFICATION TAPE	VINYL WITH METAL STRAND		

NOTE: CONTRACTOR TO PURCHASE SUFFICIENT CABLE TO REACH FROM UTILITY TRANSFORMER ON TOP OF POLE AND INTO PANEL NO. 1
CONTRACTOR TO SPECIFY ALL OTHER HARDWARE TO COMPLETE INSTALLATION OF NEW INTERIOR 400A BUS.



KEY NOTES

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CONSULTANT

ARCHITECT/ENGINEER OF RECORD

Bancroft

700 Nicholas Blvd, Suite 300
OK - Grove Village, VA 22007
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL - ARC FLASH, CURRENT IN AMPERES, ELECTRICAL EQUIPMENT SCHEDULE AND SINGLE LINE DIAGRAM

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title
EHRM INFRASTRUCTURE UPGRADES

Project Number
568A4-21-703

Building Number
CBOC

Location
PINE RIDGE VA CLINIC

Issue Date
3/31/2022

Checked
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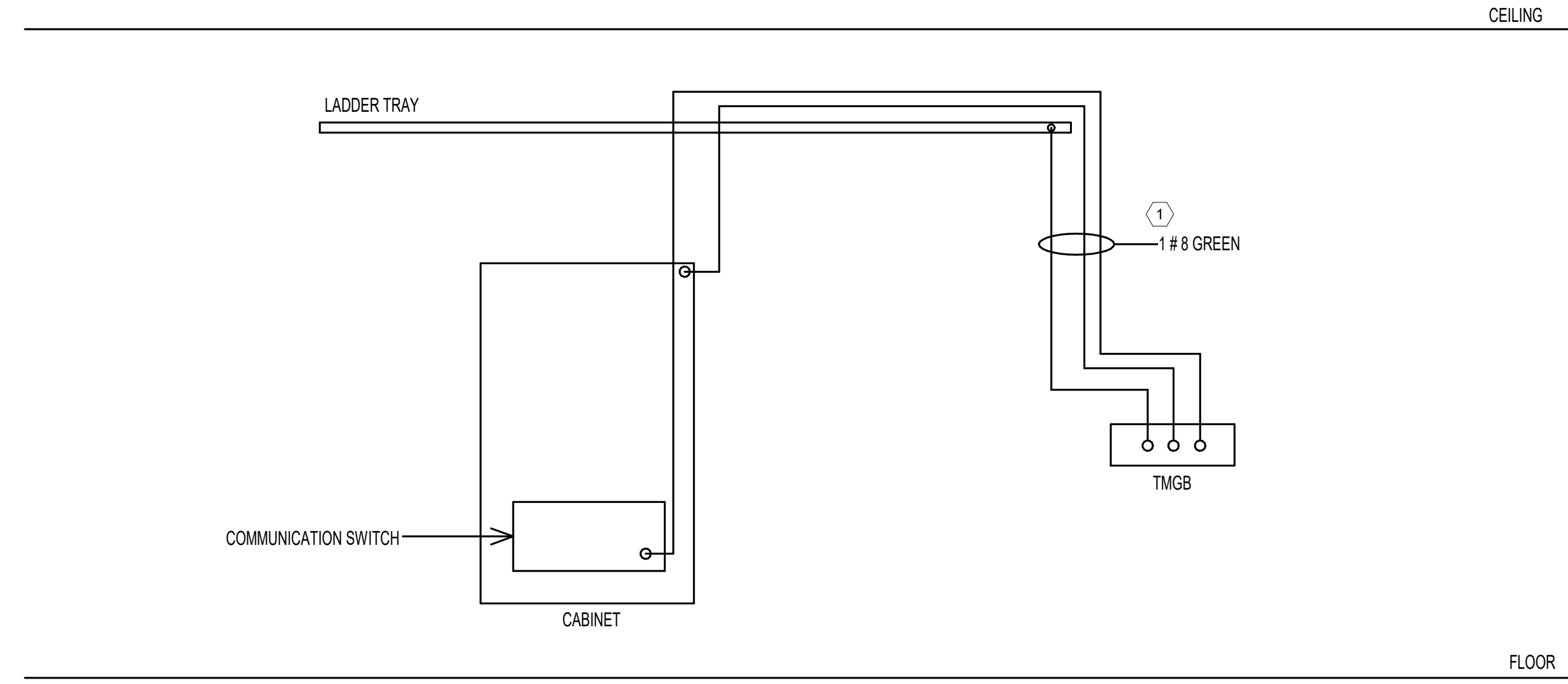
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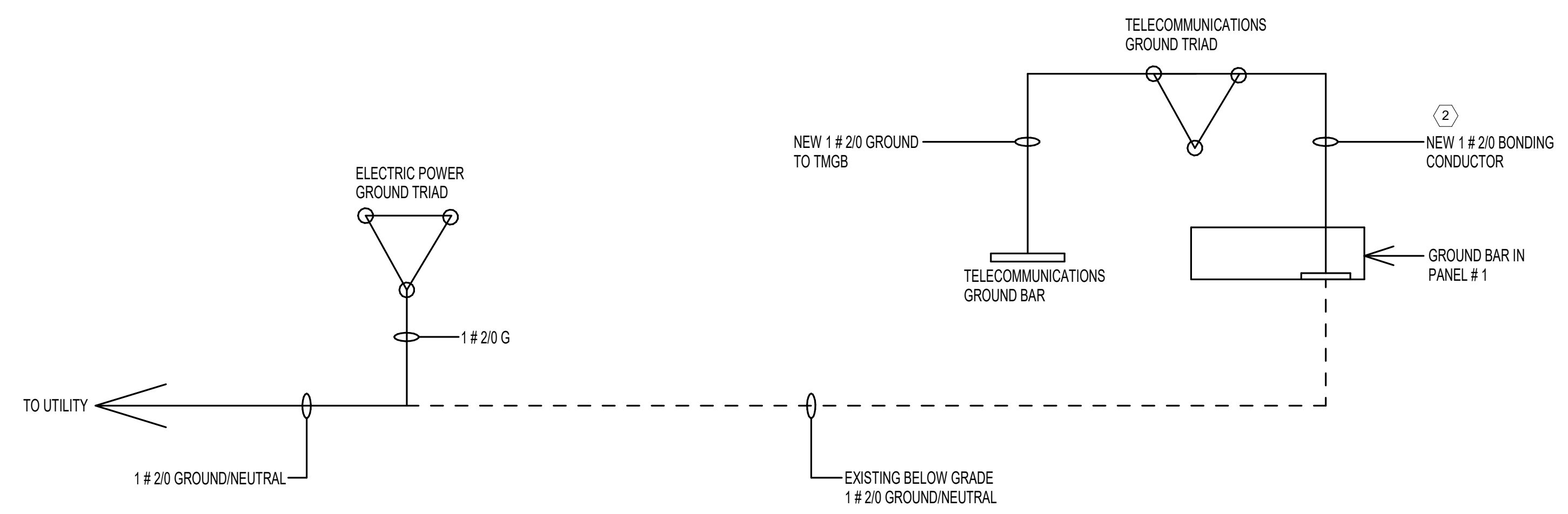
A
B
C
D
E
F

PHASING PLAN

- NOTE: COR AND CONTRACTOR MAY REVISE PHASING SEQUENCE TO BETTER SUPPORT THE FACILITY
- A. INSTALL NEW 200A FUSED DISCONNECT AND ELECTRICAL POWER GROUNDING SYSTEM.
 - B. INSTALL NEW POWER PANEL #2 WITH SURGE PROTECTION.
 - C. INSTALL NEW TELECOMMUNICATIONS GROUND BAR (TMGB) AND NEW GROUNDING TRIAD. ALSO RUN A BONDING CONDUCTOR FROM THE ELECTRICAL GROUND TO THE TELECOMMUNICATIONS GROUNDING TRIAD.
 - D. FEED NEW 100A POWER PANEL #2 FROM 200A POWER PANEL #1.
- NOTE#1: THE ELECTRIC POWER SYSTEM IS READY TO SUPPORT THE NEW UPGRADED TECHNOLOGY SYSTEMS.**
- E. INSTALL NEW CABINET AND PATCH PANELS INSIDE THE CABINET.
 - F. INSTALL NEW LADDER TRAY.
 - G. INSTALL NEW POWER RECEPTACLES ABOVE CABINET TO PROVIDE POWER TO NEW UPS AND NORMAL POWER TO EQUIPMENT ON RACK. THIS PROVIDES N+1 RELIABILITY TO THE TECHNOLOGY EQUIPMENT.
 - H. TRANSFER ALL TECHNOLOGY GROUNDS AND BONDING WIRES FROM EXISTING GROUNDS TO NEW TMGB.
 - I. DISCONNECT ANY INTERNAL GROUNDS BETWEEN THE ELECTRICAL POWER GROUND AND THE TMGB.
 - J. RUN NEW CAT6a CABLES FROM BEDROOMS TO DEDICATED NON-VA PATCH PANEL AND COMMUNICATIONS SWITCH ON WALL BOARD.
 - K. RUN NEW CAT6a CABLES FROM ALL OTHER AREAS AND EQUIPMENT TO PATCH PANELS IN CABINET.
- NOTE#2: VA COR TO SCHEDULE INSTALLATION OF NEW SWITCHES AND OTHER VA EQUIPMENT IN NEW CABINET, TERMINATE CABLING TO NEW EQUIPMENT.**
- NOTE#3: CONTRACTOR TO CONTACT PHONE COMPANY AND ADT TO UPGRADE THEIR EQUIPMENT AT THE CLINIC:**
- L. PHONE COMPANY TO TERMINATE TWO (2) FEEDS INTO DEMARC SWITCH (1) SIGNAL FROM VA COMMUNICATIONS SWITCH, AND (2) SIGNAL FROM NEW BEDROOM
 - M. ADT TO INSTALL TAMPER SWITCHES ON ROOM 102 DOOR, AND ON THE TWO DOORS ON THE CABINET.
- NOTE#4: VA COR TO SCHEDULE TECHNOLOGY CUTOVER WITH VA IT, PHONE COMPANY AND ADT.**



1 TECHNOLOGY EQUIPMENT BONDING DETAILS TO TMGB
NOT TO SCALE



2 ELECTRICAL GROUND SINGLE LINE AND BOND TO UTILITY GROUND
NOT TO SCALE

GENERAL NOTES

- A. GROUND CONDUCTOR TO TELECOMMUNICATIONS GROUND BAR MUST TERMINATE TO TMGB GROUND TRIAD AND CANNOT TOUCH ANY OTHER GROUNDS.
- B. NEBRASKA POWER
JAY THIES
NEBRASKA PUBLIC POWER
P. O. BOX 555
CHADRON, NE
308-360-0847
- C. GOLDEN WEST INTERNET
MARY POSS, PIANT CLERK
GOLDEN WEST COMMUNICATIONS
P. O. BOX 411
415 CROWN ST.
WALL, SD 57790
(605-279-1503)
- D. ADT
XXXXXXXX
XXXXXXXX
XXXXXXXX
XXXXXXXX
(800-238-2727)
PASSWORD: BIZON

KEY NOTES

- 1. UTILIZE 1 # 8 CU. SOLID GREEN INSULATED CONDUCTOR FOR BONDING OF TECHNOLOGY EQUIPMENT.
- 2. TYPICAL OUTDOOR GROUNDING CONDUCTOR 1 # 2/0 CU. BARE STRANDED.

100% CONSTRUCTION DOCUMENTS	3/31/2022
100% CONSTRUCTION DOCUMENTS	2/17/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
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35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

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Bancroft

700 Nicholas Blvd., Suite 300
St. Louis, MO 63101
T: 847.952.9362 F: 847.952.9403
www.bancroft-ae.com
BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 38C26319D0044 Bancroft Project No. 18-121

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL - PHASING AND UTILITIES CONTACT DATA

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

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Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Building Number CBOC	Drawing Number E501
Location PINE RIDGE VA CLINIC	Issue Date 3/31/2022
Checked WG	Drawn BX

GENERAL NOTES

- A. TRANSFER TELEPHONE SYSTEM TO UPS POWER, AND FIRE PANEL TO PANEL #2, AS NOTED ON DRAWING EP101.
- B. TRANSFER CIRCUIT #4, HALL/EXIT LIGHTS TO PANEL #2, CKT #20, TO ALLOW TERMINATING NEW HEATER TO PANEL #1, CKT #2, 4.
- C. NEW OR REVISED TERMINATIONS ARE SHOWN IN BOLD.
- D. DEMAND LOAD IS CALCULATED USING THE HIGHEST SEASONAL LOAD OF SUMMER.

NORMAL POWER PANEL 1
VOLTAGE : 120/240 VOLTS SINGLE PHASE
BUS RATING : 400
MAIN : 400
AIC RATING: 10kA
 SPECIAL OPTIONS
 SURFACE MOUNTED
 NEW 600A INTERIOR
 CB OPT: GF - GROUND FAULT, AF - ARC FAULT

LOAD SERVED	C N K O T	CB AMP/P	PHASE		C O B P T	CB AMP/P	C N K O T	LOAD SERVED
			A	B				
COND. UNIT 1	1	30	A			20	2	SPARE
	3			B		20	4	HALL/EXT/EXIT LIGHTS
COND. UNIT 2	5	50	A			40	6	KITCHEN RANGE
	7			B		40	8	
LPG FURNACE 1	9	20	A			30	10	DRYER
LPG FURNACE 2	11	20		B		30	12	
COPIER RECEPT.	13	20	A			20	14	WASHER RECEPTACLE
SUPPORT 109/HALL 100/111 RECEPT.	15	20		B		20	16	DAY ROOM 113/ PATIO/HALL 121 RECEPT.
OFFICE 107/108 RECEPT.	17	20	A			20	18	KITCHEN RECEPTACLE
OFFICE 105/106 RECEPTACLE	19	20		B		20	20	KITCHEN RECEPTACLE
BREAK 101 RECEPTACLE	21	20	A			20	22	KITCHEN RECEPTACLE
THERAPHY 104 RECEPTACLE	23	20		B		20	24	REFRIGERATOR
OFFICE AREA LIGHTS 101 - 108	25	20	A		GFCI	20	26	BEDROOM 1/2
SPARE	27	20		B	GFCI	20	28	BEDROOM 4/5
MECH. ROOM RECEPTACLE	29	20	A		GFCI	20	30	BEDROOM 3/6
EXHAUST FANS RM 122/123/124	31	20		B		20	32	MGR 125/TOILET 123/LAUNDRY 124 RECEPT.
122/123 RECEPTACLES	33	20	A			20	34	RESID.LTG 112-117 ATTIC LIGHTING
FIRE DAMPERS	35	20		B		20	36	RESID LIGHTING 118-120, 122-125
LTG. 100/102/103/104/109/111	37	20	A			20	38	WATER SOFTENER
NORMAL POWER PANEL 2	39	100		B		20	40	FLOW SWITCH AND OUTSIDE BELL
	41	100	A			20	42	FREEZER

LOAD	QTY	LOAD	TOTAL
LIGHTING & RECEPTACLE		4,000 SQ FT	12,000 VA
SMALL APPLIANCE		1,500 VA	0 VA
LAUNDRY	1	1,500 VA	1,500 VA
DISHWASHER	1	1,200 VA	1,200 VA
MICROWAVE	1	1,200 VA	1,200 VA
WHIRLPOOL		1,500 VA	0 VA
RANGE	1	8,000 VA	8,000 VA
ELECTRIC DRYER	1	4,000 VA	4,000 VA
WATER HEATER LPG		4,500 VA	0 VA
REFRIGERATOR	1	1,500 VA	1,500 VA
WATER SOFTENER	1	600 VA	600 VA
FREEZER	1	1,000 VA	1,000 VA
ELECTRIC PANEL 2 LOAD		7,240 VA	7,240 VA
TOTAL...			38,240 VA

DEMAND CALCULAIONS	QTY	LOAD	TOTAL
10,000	100%		10,000 VA
28,240	40%		11,296 VA
TOTAL...			21,296 VA

HVAC LOADS	QTY	LOAD	TOTAL
COND. UNIT 1	1	4800 VA	4,800 VA
COND. UNIT 2	1	8000 VA	8,000 VA
LPG FURNACE 1	1	0 VA	0 VA
LPG FURNACE 2	1	0 VA	0 VA
EXHAUST FANS RM 122/123/124	3	530 VA	1,590 VA
RM 112 EXHAUST FAN	1	70 VA	70 VA
SPLIT COND	1	5,700 VA	5,700 VA
SPLIT COND RM 112 FAN	1	70 VA	70 VA
Total...			41,526 VA
			173 AMPS

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 PROJECT NAME: 36C26319D0022...
 PROJECT NO: 18-121

NORMAL POWER PANEL 2
VOLTAGE : 120/240 VOLTS SINGLE PHASE
BUS RATING : 225 AMPS
MAIN : MLO
AIC RATING: 10kA
 SPECIAL OPTIONS
 SURFACE MOUNTED
 CB OPT: GF - GROUND FAULT, AF - ARC FAULT

LOAD SERVED	C N K O T	CB AMP/P	PHASE		C O B P T	CB AMP/P	C N K O T	LOAD SERVED
			A	B				
UPS - UNINTERRUPTABLE POWER	1	30	A			30	2	SURGE PROTECTOR
RCPT ON WALLBOARD	3	20		B		30	4	
PDU - NORMAL POWER	5	20	A			20	6	TELEPHONE SYSTEM
	7			B		20	8	FIRE ALARM PANEL
RM 102 COND. SPLIT UNIT	9	40	A			30	10	RM 112 WALL HEATER
	11			B		30	12	
RM 102 FAN SPLIT UNIT	13	15	A			20	14	RM 112 WATER HEATER
SPARE	15	20		B		20	16	SPARE
SPARE	17	20	A			20	18	SPARE
SPARE	19	20		B		20	20	SPARE
SPARE	21	20	A			20	22	SPARE
SPARE	23	20		B		20	24	SPARE
SPACE	25		A				26	SPACE
SPACE	27			B			28	SPACE
SPACE	29		A				30	SPACE
SPACE	31			B			32	SPACE
SPACE	33		A				34	SPACE
SPACE	35			B			36	SPACE
SPACE	37		A				38	SPACE
SPACE	39			B			40	SPACE
SPACE	41		A				42	SPACE

LOAD	QTY	LOAD	TOTAL
LIGHTING & RECEPTACLE		0 SQ FT	0 VA
SMALL APPLIANCE		1,500 VA	0 VA
LAUNDRY		1,500 VA	0 VA
DISHWASHER		1,200 VA	0 VA
MICROWAVE		1,200 VA	0 VA
WHIRLPOOL		1,500 VA	0 VA
RANGE		8,000 VA	0 VA
ELECTRIC DRYER		5,000 VA	0 VA
WATER HEATER LPG		600 VA	0 VA
UPS	1	800 VA	800 VA
PDU	1	800 VA	800 VA
RM 102 COND. SPLIT UNIT	1	4,800 VA	4,800 VA
RM 102 FAN SPLIT UNIT	1	240 VA	240 VA
RM 112 WALL HEATER	1	4,000 VA	4,000 VA
TELEPHONE SYSTEM	1	300 VA	300 VA
FIRE ALARM PANEL	1	300 VA	300 VA
TOTAL...			11,240 VA

DEMAND CALCULAIONS	QTY	LOAD	TOTAL
10,000	100%		10,000 VA
1,240	40%		496 VA
TOTAL...			10,496 VA

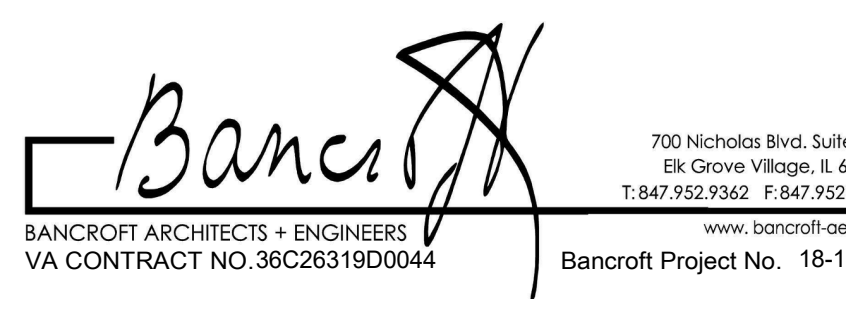
HVAC LOADS	QTY	LOAD	TOTAL
RM 112 WALL HEATER	0	0 VA	0 VA
RM 112 EXHAUST FAN	1	70 VA	70 VA
SPLIT COND	1	4,800 VA	4,800 VA
SPLIT COND RM 112 FAN	1	240 VA	240 VA
Total...			15,606 VA
			65 AMPS

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 PROJECT NAME: 568A421703- PINE...
 PROJECT NO: 18-121

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 700 Nicholas Blvd, Suite 300
 Chesapeake, VA 23060
 T: 847.952.9362 F: 847.952.9403
 www.bancroft-ae.com
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 Bancroft Project No. 18-121

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Drawing Title
 ELECTRICAL - PANEL SCHEDULES
 Phase
 100% CONSTRUCTION DOCUMENTS
 Approved: Project Director

Project Title
 EHRM INFRASTRUCTURE UPGRADES
 Project Number
 568A4-21-703
 Building Number
 CB0C
 Location
 PINE RIDGE VA CLINIC
 Issue Date
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 WG
 Drawn
 BX
 Drawing Number
 E600

QUANTITY	TECHNOLOGY EQUIPMENT SCHEDULE BASIS OF DESIGN		NOTES																																													
4	PATCH PANELS	ANGLED UTP PATCH PANELS	CAT6a RJ-45 PATCH PANEL																																													
1	CABLE TRAY	WIRE MESH CABLE TRAY SIZE COMMENSURATE WITH REQUIREMENTS																																														
1	COMMUNICATIONS SWITCH FOR BEDROOMS	CISCO (CONTRACTOR TO CONSULT VA COR TO PURCHASE A SWITCH COMPATIBLE WITH OTHER VA SWITCHES)...	MINIMUM 100 MEGABITS PER SECOND.																																													
SEE NOTE#1	CAT6a CABLE	GREEN, US MANUFACTURE, MEET OR EXCEED TIA-EIA-568.1-D. SEE ELECTRIC EQUIPMENT SCHEDULE FOR ADDITIONAL DETAILS	INSTALLATION CONFORMS TO: ANSI/BICSI 568 AND ANSI/TIA-1179-A Healthcare Facility Telecommunications requiring Category 6A (CAT6A) cable, with outer diameter of 0.265" or less. 1. New cable installations additionally shall be compliant with TIA EIA 568.1-D, TIA TSB-184-A, and NFPA-70 Section 725.144 to prevent Power...																																													
AS NEEDED	CAT6a TERMINATIONS	LEVITON	CAT6a RJ-45 JACKS AT LEVITON WALL PLATE - TERMINATIONS TO MATCH CABLE DIAMETER																																													
1	COMPUTER CABINET	F-Series TeraFrame Gen 3 Cabinet System with accessories installed (Or equivalent) Configuration includes the following components:	<table border="1"> <thead> <tr> <th>Item Number</th> <th>Description</th> <th>(Qty)</th> </tr> </thead> <tbody> <tr> <td>FF1N-113C-E42-B</td> <td>F-Series TeraFrame Gen 3 Cabinet System, 45 RMU, 84.6 in. (2149mm) H x 23.6" (600mm) W x 43.30" (1100mm) D Square-Punched Rails, 2-Pair, Single, Perforated Metal Front Door, Two Point, Keyed Swing Handle Lock, Double Perforated Metal Rear Door, Two Point, Keyed Swing Handle Latch, Server Top Panel, 2 Solid Side Panel, Glacier White, 6-Slide Frame.</td> <td></td> </tr> <tr> <td>024-739003-E63</td> <td>Frame, 6 Slide, 23.6" (600 mm) W x 43.3" (1100 mm) D x 45 RMU, Glacier White (1)</td> <td></td> </tr> <tr> <td>024-739060-E03</td> <td>Door, TeraFrame, Front, Assembly, 23.6" (600 mm) W x 45 RMU, Glacier White (1) 024-739064-703 Lock Kit, 2-Point, Keyed, Front Door, 45 RMU (1)</td> <td></td> </tr> <tr> <td>024-739050-E03</td> <td>Double Door Assembly, 23.6" (600 mm) W x 45 RMU, Glacier White (1)</td> <td></td> </tr> <tr> <td>024-739054-703</td> <td>Lock Kit, 2-Point Latching, Keyed, Perforated Door, 45 RMU (1)</td> <td></td> </tr> <tr> <td>024-739140-E12</td> <td>Top Panel, 2-Piece, Brush, 23.6" (600 mm) W x 43.3" (1100 mm) D, Glacier White</td> <td></td> </tr> <tr> <td>024-739046-E63</td> <td>Side Panel, 6 SLIDE, 43.3" (1100 mm) D x 45 RMU, Glacier White (2)</td> <td></td> </tr> <tr> <td>024-739200-002</td> <td>Kit, Common Parts Parts, Teraframe, UL, White (1)</td> <td></td> </tr> <tr> <td>024-739110-701</td> <td>PDU Bracket, Assembly, Standard, 0.7" (17 mm) W x 3.9" (100 mm) D x 2.4" (60mm), Black (1)...</td> <td></td> </tr> <tr> <td>024-739240-003</td> <td>Kit, Packaging, 600 W x 1075-1200D x 42U -48U (1)</td> <td></td> </tr> <tr> <td>024-739029-001</td> <td>Caster Kit, Two Swivel, Two Fixed, 1.6" (41 mm) W x 2" (51 mm) D x 2" (41 mm) H (1) 39085-E03 Air Dam, 6 SLIDE, 23.6" (600 mm) W x 45 RMU, Glacier White (1)</td> <td></td> </tr> <tr> <td>39137-703</td> <td>Baying Seal Kit, 45U (2)</td> <td></td> </tr> <tr> <td>39132-E00</td> <td>Bottom Panel, With Brush, 23.6" (600 mm) W x 39.4" -47.2" (1000 -1200 mm) D, Glacier White (1)</td> <td></td> </tr> <tr> <td>31920-E03</td> <td>Finger Cable Manager no...</td> <td></td> </tr> </tbody> </table>	Item Number	Description	(Qty)	FF1N-113C-E42-B	F-Series TeraFrame Gen 3 Cabinet System, 45 RMU, 84.6 in. (2149mm) H x 23.6" (600mm) W x 43.30" (1100mm) D Square-Punched Rails, 2-Pair, Single, Perforated Metal Front Door, Two Point, Keyed Swing Handle Lock, Double Perforated Metal Rear Door, Two Point, Keyed Swing Handle Latch, Server Top Panel, 2 Solid Side Panel, Glacier White, 6-Slide Frame.		024-739003-E63	Frame, 6 Slide, 23.6" (600 mm) W x 43.3" (1100 mm) D x 45 RMU, Glacier White (1)		024-739060-E03	Door, TeraFrame, Front, Assembly, 23.6" (600 mm) W x 45 RMU, Glacier White (1) 024-739064-703 Lock Kit, 2-Point, Keyed, Front Door, 45 RMU (1)		024-739050-E03	Double Door Assembly, 23.6" (600 mm) W x 45 RMU, Glacier White (1)		024-739054-703	Lock Kit, 2-Point Latching, Keyed, Perforated Door, 45 RMU (1)		024-739140-E12	Top Panel, 2-Piece, Brush, 23.6" (600 mm) W x 43.3" (1100 mm) D, Glacier White		024-739046-E63	Side Panel, 6 SLIDE, 43.3" (1100 mm) D x 45 RMU, Glacier White (2)		024-739200-002	Kit, Common Parts Parts, Teraframe, UL, White (1)		024-739110-701	PDU Bracket, Assembly, Standard, 0.7" (17 mm) W x 3.9" (100 mm) D x 2.4" (60mm), Black (1)...		024-739240-003	Kit, Packaging, 600 W x 1075-1200D x 42U -48U (1)		024-739029-001	Caster Kit, Two Swivel, Two Fixed, 1.6" (41 mm) W x 2" (51 mm) D x 2" (41 mm) H (1) 39085-E03 Air Dam, 6 SLIDE, 23.6" (600 mm) W x 45 RMU, Glacier White (1)		39137-703	Baying Seal Kit, 45U (2)		39132-E00	Bottom Panel, With Brush, 23.6" (600 mm) W x 39.4" -47.2" (1000 -1200 mm) D, Glacier White (1)		31920-E03	Finger Cable Manager no...	
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LIGHTING FIXTURE SCHEDULE (BASIS OF DESIGN)									
TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL #	LAMPS			CCT VOLT	VA	REMARKS
				NO	WATTS	TYPE			
F	6"x4" LED	LITHONIA	UFIT-L48-6000LM-SEF5828	1	44.4	LED	120/277V	44	LED STRIP LIGHT

GENERAL NOTES:

- FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS.
- ADJUSTABLE AND DIRECTIONAL LIGHTING FIXTURES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND AIMED TO OBTAIN MAXIMUM UNIFORM COVERAGE.
- LAMP TYPE DESIGNATIONS FOLLOW NEMA DESIGNATION GUIDELINES. COORDINATE LAMP TYPES WITH LAMP NUMBERS FROM MANUFACTURERS APPROVED IN THE SPECIFICATION.
- PROVIDE ALL NECESSARY ACCESSORIES FOR FIXTURES AND SENSORS IN ORDER TO ENSURE A COMPLETE AND PROPER OPERATION.
- PROVIDE FUSING FOR FIXTURES AS REQUIRE BY CODE.
- LAMPS FOR ALL FIXTURES SHALL HAVE THE SAME COLOR TEMPERATURE PER SPECIFICATIONS.
- MANUFACTURERS' CATALOG NUMBERS ARE INTENTIONALLY INCOMPLETE. VERIFY AND COORDINATE REQUIRED TRIM KITS, MOUNTING.

TEST EQUIPMENT SCHEDULE					
QUANTITY	ITEM	DESCRIPTION	MODEL	MANUFACTURER	NOTES
3	MULTI-SURFACE SCANNER	18V LXT® LITHIUM-ION CORDLESS MULTI-SURFACE SCANNER, TOOL ONLY WITH INTERLOCKING STORAGE CASE	DWD181ZJ	MAKITA	CONTRACTOR TO UTILIZE DURING CONSTRUCTION AND TURN OVER TO VA COR AFTER COMPLETION

HEPA CART SCHEDULE				
QUANTITY	ITEM	DESCRIPTION	MANUFACTURER	NOTES
1	HEPACART HC Series, PORTABLE CONTAINMENT CART.	Portable Containment Carts: A portable enclosure with self-contained HEPA filtered negative air machine for work in [sterile][patient][Insert Other Option Here] environment outside of the Containment Area. Constructed from heavy-duty aluminum housing with a fully boxed aluminum frame, caster assembly, adjustable enclosure, and adjustable top frame to accommodate variabilities in ceiling height. Provide white EPDM foam at ceiling interface to create a proper seal without damaging or marking ceiling. Furnish with minimum two inspection windows, keyed locking door with work order/permit holder, factory certified self-contained 99.99% HEPA-filtered negative air machine capable of 530CFM outfit with controls from inside and outside, LED lighting package, and manometer.	HEPACART Inc. Infection Control Technologies.	NOTE # 1.
NOTE #1	PURCHASE PER HEPACART SPECIFICATION LOCATED WITH PROJECT SPECIFICATIONS, DIV 10 - SPECIALTIES			

ELECTRIC EQUIPMENT SCHEDULE - BASIS OF DESIGN OR VA APPROVED EQUAL					
QUANTITY	ITEM	DESCRIPTION	MANUFACTURER	NOTES	
6,000 FT VARIOUS COLORS	CAT6A PLENUM RATED	23 AWG COPPER CONDUCTORS	500 MHZ RATED	SUPERIOR ESSEX ARROWWIRE, COMMSCOPE, BERK-TEK(LEVITON) PLENUM RATED BULK UTP (unshielded twisted pair) MUST BE 23 AWG FOR POE SERVICE WITH OUTER DIAMETER OF 0.265" OR LESS.	
1	FUSED DISCONNECT SWITCH	400A	NEMA 3R	ABB OUTDOOR NEMA 3, SPEC SETTER - HEAVY DUTY, 200A, SINGLE PHASE 240V, 3 WIRE - TG3224R	
1	NEW INTERNAL 400A BUS FOR PNL 1	400A	NEMA 1	EATON REPLACE EXISTING 225A PANEL #1 INTERNALS WITH NEW 400A PANEL INTERNALS.	
1	NORMAL POWER PANEL 2	225A	NEMA 1	EATON EATON PRL 1A	
1	SURGE PROTECTOR	120V/240V		EATON BRANCH LOCATION, TYPE A, 120kA PER PHASE, FOR 240V SINGLE PHASE SYSTEM, INSTALL ON SIDE OF POWER PANEL	
6	GROUND RODS	COPPER CLAD 5/8 IN X 8 FT		UL APPROVED COPPER CLAD STEEL	
6	GROUND INSPECTION WELL	10 IN DIAM. 24 IN DEEP	MODEL 360PGB	HARGER PVC GROUND INSPECTION WELL WITH METAL GRATE COVER	
200 FT	GROUNDING AND BONDING CONDUCTOR	1 #2/0 BARE COPPER		UL APPROVED 414 mil Outer Diameter Bare Copper Conductor Material: 2/0 AWG Conductor Size, FOR OUTDOOR GROUNDING TRIADS	
100 FT	TECHNOLOGY BONDING CONDUCTOR	1#8 GREEN INSULATED		UL APPROVED SOLID GREEN INSULATED FOR BONDING LADDER TRAY, CABINET AND CERTAIN SWITCHES TO TMGB	
6	GROUND BAR CLAMPS	BRONZE		UL APPROVED	
1	TMGB GROUND BAR	COPPER		CHATSWORTH 10 IN TGB GROUNDING BUSBAR KIT	
1	UPS	3000 VA, 120V	SRT3000XLA	APC SMART UPS ON-LINE 3000 VA 120V (120V INPUT / 120V OUTPUT)	
1	NETWORK MANAGEMENT CARD FOR UPS		AP9640	APC	
2	TWO (2) BATTERY PACKS FOR UPS	96V, 3 KVA	SRT96RMBP	APC-SMART-UPS 96V, 3KVA RM BATTERY PACK	
2	VERTICAL PDU'S (POWER STRIPS)	120V, 1 Ø, PDU	EMI101-10	EATON INPUT L5-20P, OUTPUT (24) 5-20R, METERED INPUT	
20	LOCKING COMPUTER POWER CORDS FROM PDU TO EQUIPMENT	C13 / C19	3FT		
20	LOCKING COMPUTER POWER CORDS FROM PDU TO EQUIPMENT	C13 / C19	3FT		
80	PATCH CABLES	6 FT TERMINATED	CAT6A	CONTRACTOR TO DETERMINE QUANTITIES OF EACH COLOR	
40	TEMPORARY PATCH CABLES	15 FT TERMINATED	CAT6A	CONTRACTOR TO DETERMINE LENGTHS TO REACH FROM OLD RACK TO NEW RACK	
60	PATCH CABLES	7 FT TERMINATED	CAT6A	(DESK TO WALL) - Installation/documenting ports of the patch cables from desk2wall shall be installed by the contractor pending approval by the COR.	
30	PATCH CABLES	3 FT TERMINATED	CAT6A	(SWITCH - PATCH PANEL)	
20	PATCH CABLES	15 FT TERMINATED	CAT6A		
1	12 IN LADDER TRAY			CONTRACTOR TO ADJUST LENGTH OF TRAY ABOVE COMPUTER CABINET SO THAT ALL CABLING USES TRAY TO ROUTE TO TERMINATION EQUIPMENT.	
	12X2 IN CABLE TRAY	GALVANIZED			
10	FIRE BARRIER SEALANT RED - 2 HR	CAUK OR TUB	CP25WB	3M 3M FIRE BARRIER SEALANT CP25WB, 10.7 OZ	

NOTE: CONTRACTOR TO PURCHASE APPROPRIATE QUANTITY OF UL CERTIFIED CLAMPS AND CONNECTORS TO BUILD GROUNDING SYSTEM
CONTRACTOR TO SELECT REMAINING HARDWARE REQUIRED TO INSTALL CABLE AND LADDER TRAY.

ELECTRONIC SENSOR SCHEDULE				
QUANTITY	ITEM	DESCRIPTION	MANUFACTURER	NOTES
8	THERMOCOUPLE PROBE	TEMP 135 - WIRELESS SENSOR WITH THERMOCOUPLE PROBE 19000B11	CHECKPOINT	ORDER FROM MEDICAL RESOURCES PER GSA CONTRACT, SEE NOTE BELOW. TURN OVER EXTRAS TO COR AS SPARES.
1	TEMPERATURE AND HUMIDITY PROBE	TEMP 125 - WIRELESS SENSOR WITH TEMPERATURE AND HUMIDITY PROBE, 17000F0F	CHECKPOINT	ORDER FROM MEDICAL RESOURCES PER GSA CONTRACT, SEE NOTE BELOW
1	WATER DETECTOR	TEMP 136 - SENSOR WATER DETECTION - WATER BUG PROBE WITH 120V TO 12V POWER SUPPLY	CHECKPOINT	ORDER FROM MEDICAL RESOURCES PER GSA CONTRACT, SEE NOTE BELOW
1	WIRELESS ACCESS POINT	TEMP 105 - ETHER BASE FOR TEMP 136 LISTED, B1000DA8, 900MHZ, CAT6A POE REQUIRED FOR POWER	CHECKPOINT	ORDER FROM MEDICAL RESOURCES PER GSA CONTRACT, SEE NOTE BELOW

ORDERING INFORMATION

MEDICAL RESOURCES
8377 C GREEN MEADOWS DRIVE NORTH
LEWIS CENTER
OHIO 43035
PH: 740-201-3300
FAX: 740-201-3309

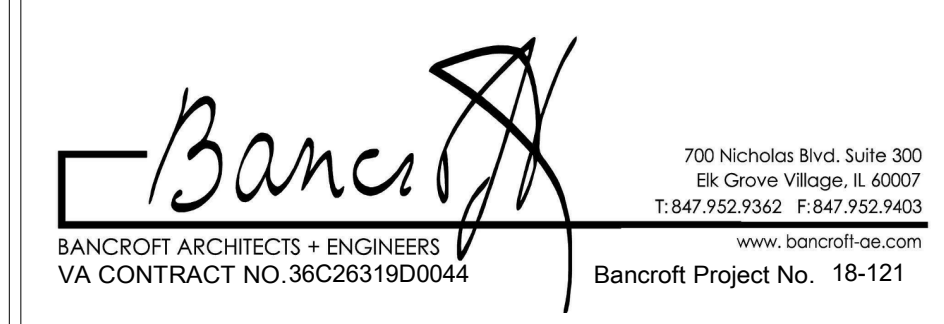
QUOTATION # 105437, DATED 7-6-21
CUSTOMER ID - VET1074
SALESMAN - NICK STATHOPOULOS
nsthathopoulos@medicalresources.com

100% CONSTRUCTION DOCUMENTS	3/31/2022
100% CONSTRUCTION DOCUMENTS	2/17/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
95% CONSTRUCTION DOCUMENT	08/27/2021
65% DESIGN DEVELOPMENT	07/29/2021
35% SCHEMATIC DESIGN	6/24/2021
Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

STAMP



Office of Construction and Facilities Management



Drawing Title
ELECTRICAL - EQUIPMENT SCHEDULES

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

Project Title

EHRM INFRASTRUCTURE UPGRADES

Location
PINE RIDGE VA CLINIC

Issue Date
3/31/2022

Checked
WG

Drawn
BX

Project Number
568A4-21-703

Building Number
CB0C

Drawing Number

E601

TELECOMMUNICATIONS
GROUND ONLY
NOT A ELECTRICAL
GROUND

SIGN 8x10 IN. BLACK BACKGROUND WITH WHITE ENGRAVING

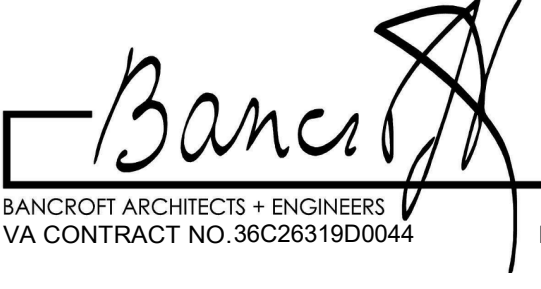
PINE RIDGE CABLE JACKET COLOR	
SYSTEM	CABLE JACKET
VOICE	WHITE
DATA	YELLOW
DATA	GREEN
DATA	GREY
WIRELESS	ORANGE
VIDEO SURVEILANCE	VIOLET
NURSE CALL	BLUE
FIRE ALARM	RED
BAS & DAS	BLACK

SIGN 8x10 IN. BLACK BACKGROUND WITH WHITE ENGRAVING

100% CONSTRUCTION DOCUMENTS	3/31/2022
100% CONSTRUCTION DOCUMENTS	2/17/2022
100% CONSTRUCTION DOCUMENTS REVISED COMMENTS	12/09/2021
95% CONSTRUCTION DOCUMENT	08/27/2021
Revisions:	Date:

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BANCROFT ARCHITECTS + ENGINEERS
VA CONTRACT NO. 38C26319D0044
Bancroft Project No. 18-121

STAMP

Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title
ELECTRICAL - SIGNAGE

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS

REVIEW ONLY - NOT FOR CONSTRUCTION

Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 568A4-21-703
Location PINE RIDGE VA CLINIC	Building Number CBOC
Issue Date 3/31/2022	Checked WG
Drawn BX	Drawing Number E700