

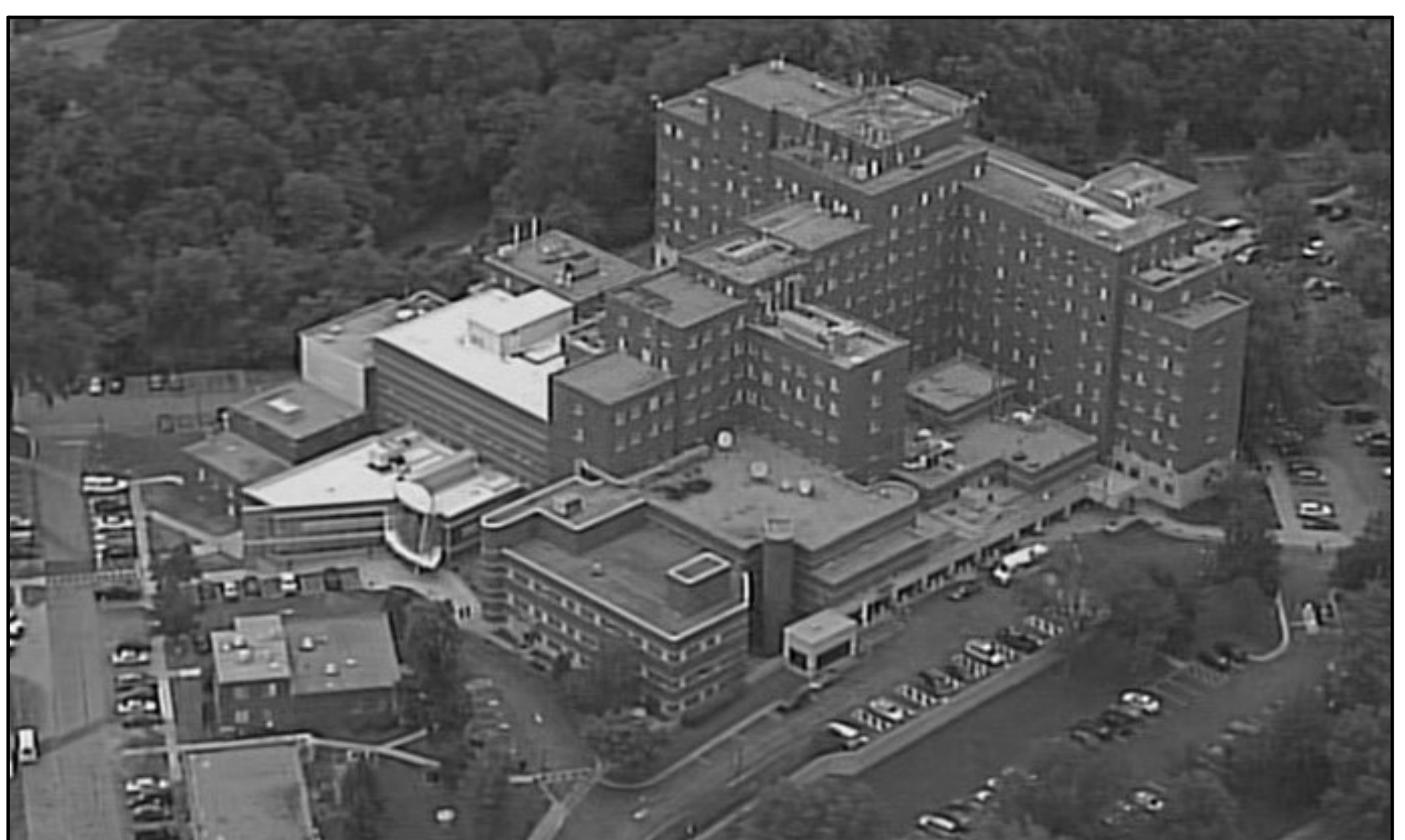


ASU PACU SAFETY IMPROVEMENTS

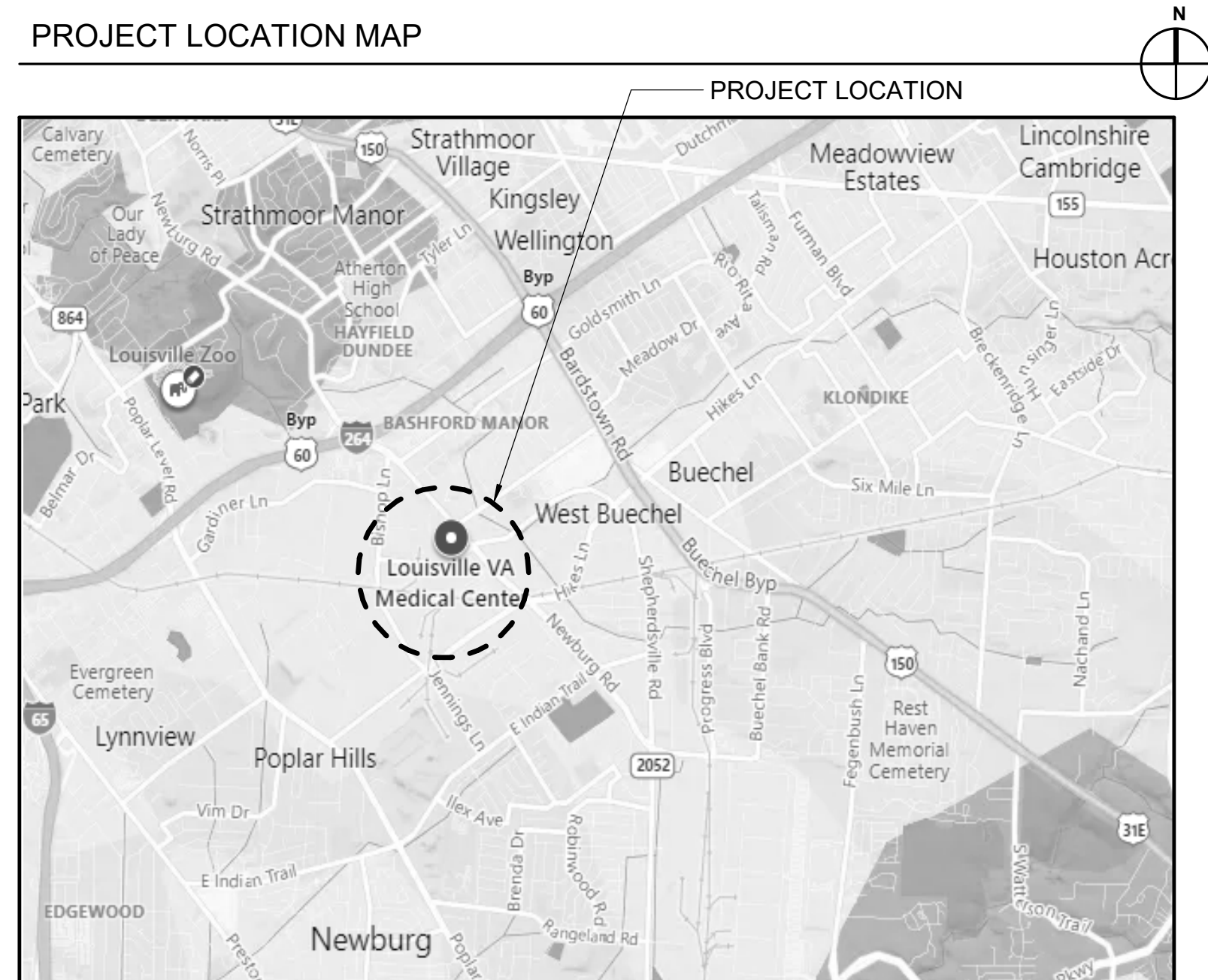
ROBLEY REX VA MEDICAL CENTER
800 ZORN AVENUE
LOUISVILLE, KENTUCKY 40206

VA PROJECT #: 603-22-601

PROJECT IMAGE



PROJECT LOCATION MAP



DRAWING LIST

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100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		ACG Project Number 21-287	Office of Construction and Facilities Management	Drawing Title COVER	Project Title ASU PACU SAFETY IMPROVEMENTS T-694	VA PROJECT NUMBER 603-22-601 Building Number # 1	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511				Location ROBLEY REX VA MEDICAL CENTER 800 ZORN AVENUE LOUISVILLE, KENTUCKY 40206			
			Engineers Architects www.acg-pa.com 919-858-7420			VA U.S. Department of Veterans Affairs		Approved		Drawing Number G-001 Dwg 1 of 4
							Date DECEMBER 14, 2022	Checked WVS	Drawn BLN	
#	Revisions:	Date								



A. CONTRACTOR TO COORDINATE STAGING AREA AND CONTRACTOR PARKING WITH COR PRIOR TO BIDDING.

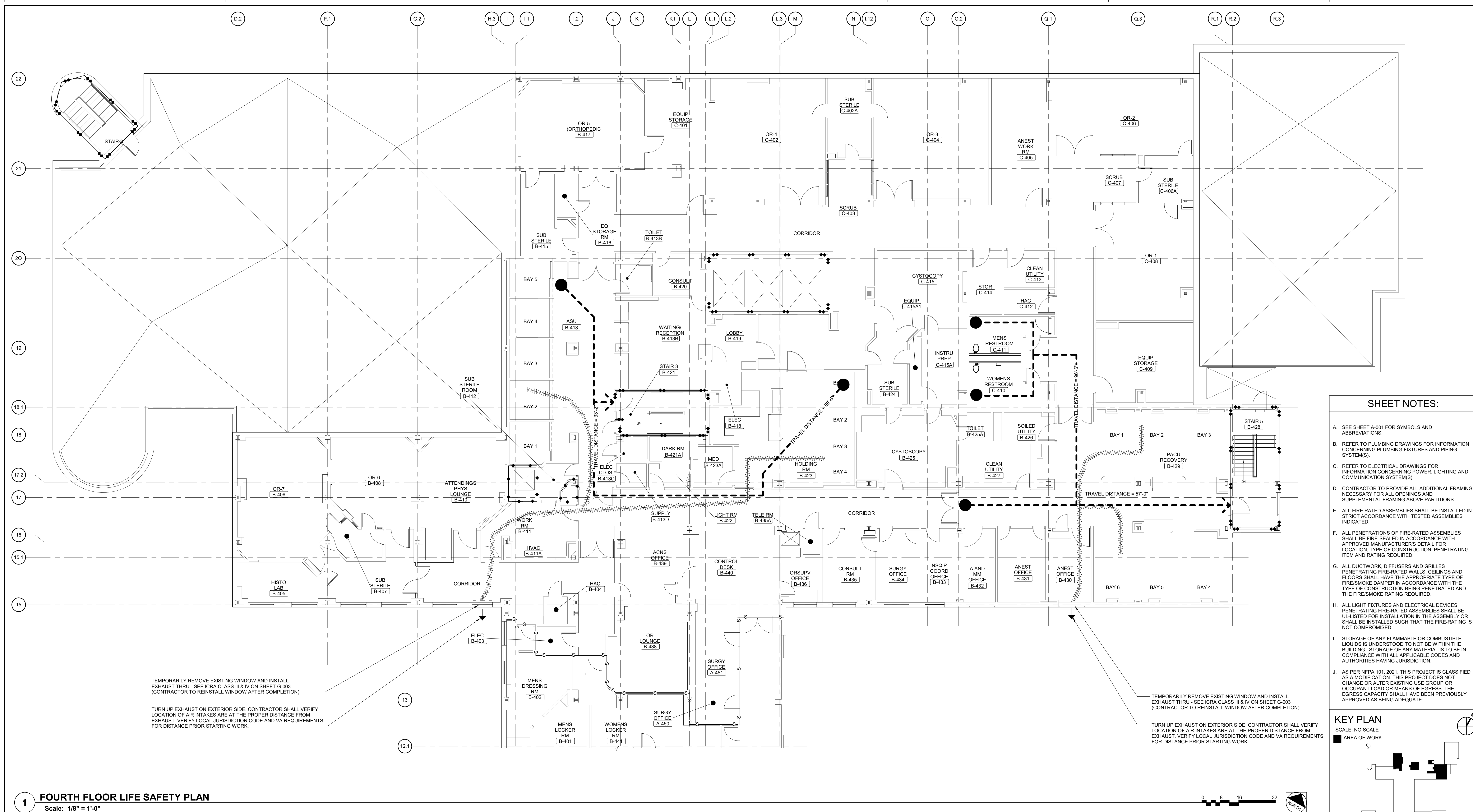
 BUILDINGS IN SCOPE

	Drawing Number
	G-002
N	Dwg 2 of 4

919-858-7420

Location	ROBLEY REX VA MEDICAL CENTER 800 ZORN AVENUE LOUISVILLE, KENTUCKY 40206
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2	Checked WVS	Drawn B
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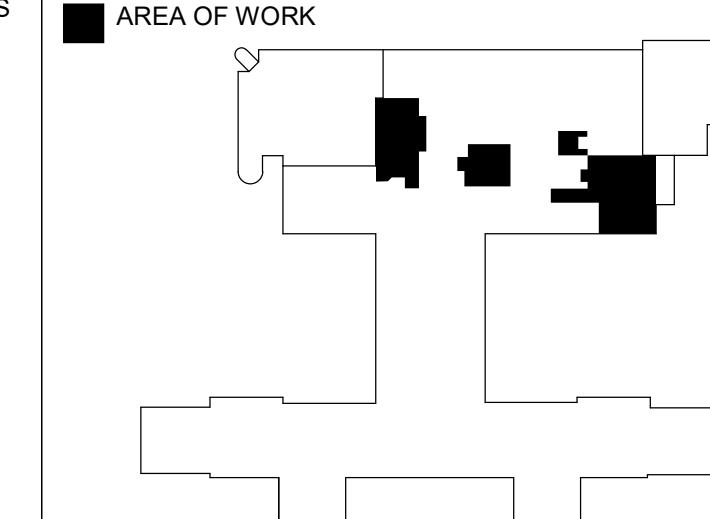


SHEET NOTES:




- A. SEE SHEET A-01 FOR SYMBOLS AND ABBREVIATIONS).
- B. REFER TO PLUMBING DRAWINGS FOR INFORMATION CONCERNING PLUMBING FIXTURES AND PIPING SYSTEM(S).
- C. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION CONCERNING POWER, LIGHTING AND COMMUNICATION SYSTEM(S).
- D. CONTRACTOR TO PROVIDE ALL ADDITIONAL FRAMING NECESSARY FOR AN OVERSIZED TYPE OF SUPPLEMENTAL FRAMING ABOVE PARTITIONS.
- E. ALL FIRE-RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.
- F. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR THE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION PENETRATING ITEM AND RATING REQUIRED.
- G. ALL DUCTWORK, DIFFUSERS AND GRILLES PENETRATING FIRE-RATED WALLS, CEILINGS AND FLOORS SHALL HAVE AN OVERSIZED TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED.
- H. ALL LIGHT FIXTURES AND ELECTRICAL DEVICES PENETRATING FIRE-RATED ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY OR SHALL BE INSTALLED SUCH THAT THE FIRE-RATING IS NOT COMPROMISED.
- STORAGE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS INDICATED TO NOT BE WITHIN THE BUILDING. STORAGE OF ANY MATERIAL IS TO BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
- J. AS PER NPA 101, 2021, THIS PROJECT IS CLASSIFIED AS A MODIFICATION. THIS PROJECT DOES NOT CHANGE OR ALTER EXISTING USE GROUP OR OCCUPANT LOAD OR MEANS OF EGRESS. THE BUILDING CAPACITY SHALL BE PREVIOUSLY APPROVED AS BEING ADEQUATE.

KEY PLAN

SCALE: NO SCALE



WALL RATING LEGEND

-  1 HR - FIRE SEPARATION
 2 HR - FIRE SEPARATION
 SMOKE RESISTIVE HAZARDOUS AREA

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[illegible]

ARCHITECTURAL SYMBOL LEGEND

	TYPICAL KEYNOTE		CEILING/SOFFIT HEIGHT		ROOF PITCH SYMBOL
	DEMOLITION KEYNOTE		TOILET ACCESSORY		
	DOOR NUMBER		WINDOW TYPE		

ABBREVIATIONS

ACF	ACROUSTIC CEILING PANEL	FD	FLOOR DRAIN	PEB	PRE-ENGINEERED BUILDING
ADJ	ADJUSTABLE	FE	FIRE EXTINGUISHER	PJF	PERFORMED JOINT FILLER
ADTL	ADDITIONAL	FFE	FINISH FLOOR ELEVATION	PT	PRESSURE TREATED
AGG	AGGREGATE	FV	FIELD VERIFY	PERM	PERMETER
ALT	ALTERNATE	FEC	FIRE EXTINGUISHER CABINET	PL	PLATE
AL	ALUMINUM	FDN	FOUNDATION	PLAM	PLASTIC LAMINATE
APPROX	APPROXIMATE(LY)	FIN	FINISH	PLBG	PLYWOOD
ASPH	ASPHALT	FLSHG	FLASHING	PLYWD	PLYWOOD
AUTO	AUTOMATIC	FLR	FLOOR	PNT	PAINT
		FRMG	FRAMING	PK	PAIR
		FT	FOOT/FEET	PTD	PAINTED
		FTG	FOOTING	PWR	POWER
B/O	BOTTOM OF	GC	GENERAL CONTRACTOR	RB	RUBBER BASE
BD	BOARD	GA	GAUGE	RD	ROOF DRAIN
BLDG	BUILDING	GALV	GALVANIZED	RO	ROUGH OPENING
BLKG	BLOCKING	GEN	GENERAL	RAD	RADIUS
BOT	BOTTOM	GYP	GYPSUM	REC	RECESSED
BRG	BEARING			REIN	REINFORCED
		HM	HOLLOW METAL	REQD	REQUIRED
		HDWR	HARDWARE	REV	REVISED (REVISION)
		HOL	HOLLOW	RM	ROOM
		HOR	HORIZONTAL		
		HT	HEIGHT		
		HVAC	HEATING/VENTILATION/AIR CONDITIONING		
				S	SOUTH
		ID	INSIDE DIAMETER	SB	SPLASH BLOCK
		IN	INCH	SF	SQUARE FEET
		INCL	INCLUDING	SS	STAINLESS STEEL
		INSUL	INSULATION	SIM	SIMILAR
		INT	INTERIOR	SPEC	SPECIFICATIONS
				SQ	SQUARE
				STD	STANDARD
				STL	STEEL
		JAN	JANITOR	STOR	STORAGE
		JT	JOINT	STRUCT	STRUCTURAL
				SUSP	SUSPENDED
		LAV	LAVATORY		
		LB(S)	POUND(S)	T&G	TONGUE AND GROOVE
		LS	LANDSCAPE	T/O	TOP OF
		LT	LIGHT	TELE	TELEPHONE
				TRTD	TREATED
				TS	TUBE STEEL
				TYP	TYPICAL
		MO	MASONRY OPENING		
		MAS	MASONRY	UNFIN	UNFINISHED
		MATL	MATERIAL	UNO	UNLESS NOTED OTHERWISE
		MAX	MAXIMUM		
		MECH	MECHANICAL		
		MFR	MANUFACTURER	VCT	VINYL COMPOSITION TILE
		MIN	MINIMUM	VERIF	VERIFY IN FIELD
		MISC	MISCELLANEOUS	VERT	VERTICAL
		MTD	MOUNTED		
		MTL	METAL	W	WEST
		N	NORTH	W/	WITH
		NIC	NOT IN CONTRACT	W/O	WITHOUT
		NTS	NOT TO SCALE	W/C	WATER CLOSET
		NOM	NOMINAL	WC	WELDED WIRE FABRIC
				WD	WOOD
				WH	WATER HEATER
				WT	WEIGHT
		OC	ON CENTER		
		OD	OUTSIDE DIAMETER		
		O TO O	OUT TO OUT		
		OPNG	OPENING		
		OPP	OPPOSITE		
		OVHD	OVERHEAD		
E	EAST				
EC	ELECTRICAL CONTRACTOR				
EHO	ELECTRICAL HOLD OPEN				
EJ	EXPANSION JOINT				
EW	EACH WAY				
EA	EACH				
EIFS	EXTERIOR INSULATION FINISH SYSTEM				
EL	ELEVATION				
ELEC	ELECTRICAL				
ELEV	ELEVATOR				
EMER	EMERGENCY				
EQ	EQUAL				
EQUIP	EQUIPMENT				
EXIST	EXISTING				
EXT	EXTERIOR				
EWC	ELECTRIC WATER COOLER				

CODE STANDARDS AND EXECUTIVE ORDERS

PURPOSE: THE PUBLIC BUILDINGS AMENDMENT ACT OF 1988, PUBLIC LAW (PUB. L.) 100-678 REQUIRES FEDERAL AGENCIES TO FOLLOW NATIONAL RECOGNIZED "MODEL" BUILDING CODES. THE FEDERAL PARTICIPATION IN THE DEVELOPMENT AND USE OF VOLUNTARY STANDARDS, OFFICE OF MANAGEMENT AND BUDGET (OMB) CIRCULAR A-119, REQUIRES ALL EXECUTIVE AGENCIES TO RELY ON VOLUNTARY STANDARDS, BOTH DOMESTIC AND INTERNATIONAL, WHENEVER FEASIBLE, AND TO PARTICIPATE IN VOLUNTARY STANDARD BODIES.

GENERAL: VA HAS ADOPTED THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS AS A MINIMUM FOR ALL PROJECTS PERFORMED IN THE MODERNIZATION, ALTERATION, ADDITION, OR IMPROVEMENT OF ITS REAL PROPERTY AND THE CONSTRUCTION OF NEW STRUCTURES. VA DESIGN MANUALS AND MASTER SPECIFICATIONS SPECIFY OTHER CODES AND STANDARDS THAT VA FOLLOWS ON ITS PROJECTS:

- 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 (IBC) 2021 (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS, SEE NOTES BELOW)
- NFPA 101 LIFE SAFETY CODE 2021 (SEE NOTES BELOW)
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- NATIONAL ELECTRICAL CODE (NEC)
- INTERNATIONAL PLUMBING CODE (IPC) 2021
- SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAA) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN STANDARD (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 INTERM 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)
- 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 62.1-2019.
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15 - 2019.

LOCAL CODES: AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.). VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THUS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES. HOWEVER, LOCAL AUTHORITIES SHOULD BE NOTIFIED ABOUT PLANNED PROJECTS AND GIVEN OPPORTUNITY TO REVIEW DRAWINGS PROVIDED THAT VA DOES NOT PAY FOR REVIEW OR INSPECTION FEES.

NOTES:

1. NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, SEISMIC STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).

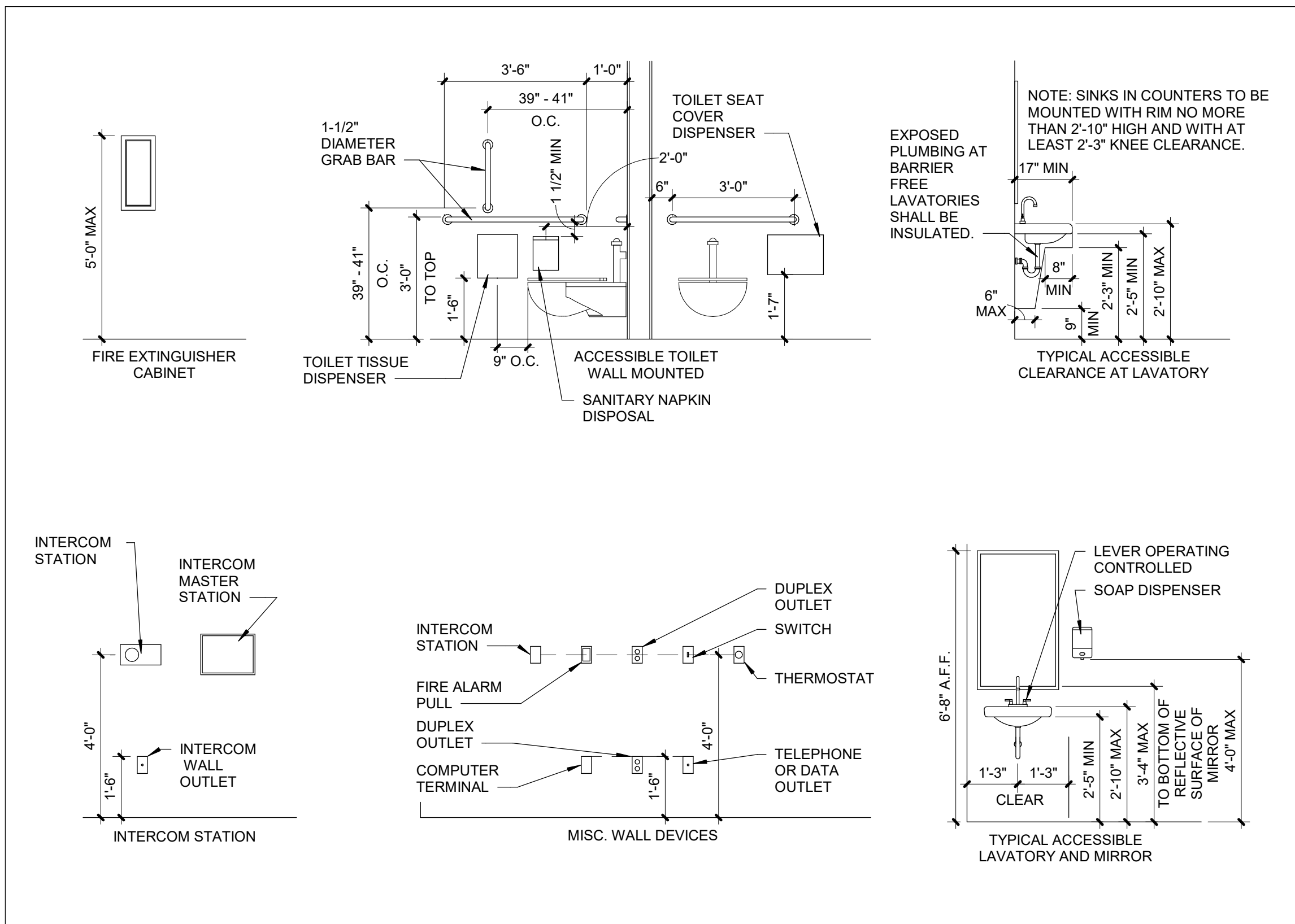
2. CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS - SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

GENERAL NOTES

- INDICATIONS OF PROJECT LIMITS OR LINES OF DEMARCATION ARE SHOWN FOR GENERAL SCOPE DEFINITION AND REFLECT THE UNDERSTANDING OF THE DESIGNER AS TO THE LIMITATIONS OF THE WORK AREA IN AN OCCUPIED AREA. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED BY AGREEMENT BETWEEN THE COR AND CONTRACTOR BEFORE THE START OF THE WORK.
- DRAWINGS ARE PREPARED USING PRODUCT DIMENSIONS AND DETAILS FROM BASIS OF DESIGN PRODUCT. PRODUCTS MAY CHANGE IN DIMENSION AND DETAIL BEFORE THEY ARE INCORPORATED INTO WORK. PRODUCTS FROM OTHER MANUFACTURERS ARE ALSO ACCEPTABLE. DIMENSIONS AND DETAILS FOR ALTERNATE PRODUCTS MAY VARY FROM BASIS OF DESIGN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED INTO WORK (INCLUDING THICKNESS FOR RECESSED OR SEMI-RECESSED PRODUCTS) AND IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.
- THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR CONVENIENCE. THE SEPARATIONS ARE USED ONLY FOR THE PURPOSES OF CONVENIENCE AND REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE, INTEGRATED AND UNIFIED WHOLE.
- THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE COR PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE COR IMMEDIATELY SHOULD DISCREPANCIES BE FOUND IN THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL FIELD CONDITIONS AND DIMENSIONS AS THEY RELATE TO THIS PROJECT. FOR EACH PHASE, SHOULD DISCREPANCIES EXIST BETWEEN THE WORK INDICATED AND ACTUAL FIELD CONDITIONS, NOTIFY THE COR PRIOR TO PROCEEDING WITH THE WORK.
- DO NOT SCALE THE DRAWINGS. DRAWING SCALES AS INDICATED ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO ACCURATELY DEPICT ACTUAL OR DESIGNATED CONDITIONS. WRITTEN DIMENSIONS SHALL GOVERN.
- PROVIDE SEALANT AT ALL INTERSECTIONS BETWEEN DIFFERENT MATERIALS.
- COORDINATE WORK OF ALL TRADES PRIOR TO STARTING CONSTRUCTION.
- REFER TO ALL OTHER TRADE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THIS PROJECT.
- PROVIDE BLOCKING AT PARTITIONS AS REQUIRED FOR MOUNTING OF WALL-MOUNTED ITEMS: PROVIDE SUPPLEMENTAL FRAMING AT WALL OPENINGS INCLUDING KING STUDS, JACK STUDS, AND CRIPPLE STUDS, AS REQUIRED FOR COMPLETION OF THE WORK.
- DIMENSIONS SHOWN ARE TO FACE OF STUD FRAMING, FACE OF CONCRETE/MASONRY WALLS, OR FINISHED FACE OF EXISTING WALL SURFACE.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

DEMOLITION NOTES

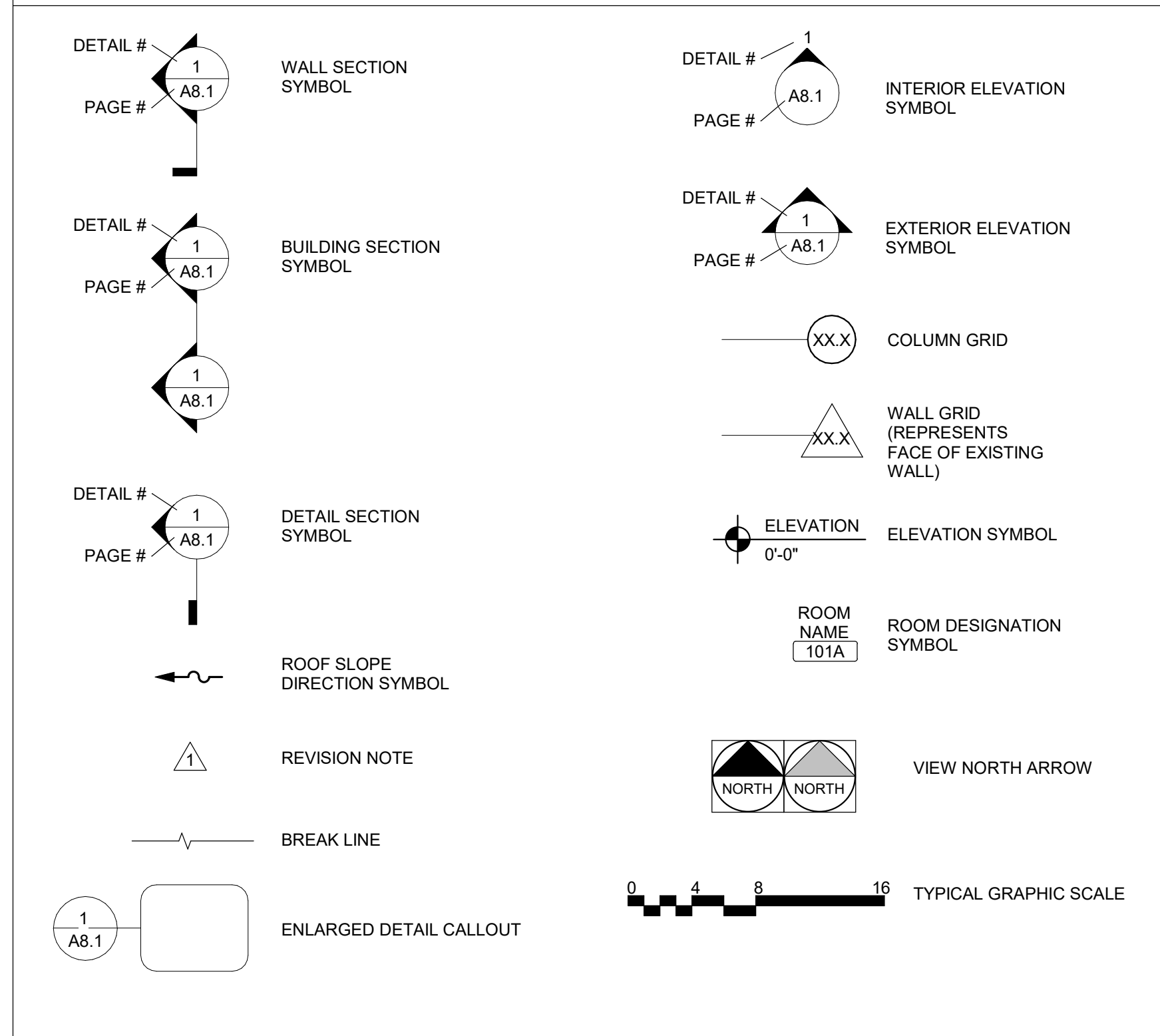
- KEY NOTES AND DRAWINGS ARE INTENDED TO GRAPHICALLY REPRESENT GENERAL WORK AND DO NOT PORTRAY FULL SCOPE OF THE PROJECT. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- REMOVE EXISTING CONSTRUCTION AS DESIGNATED HEREIN AND CLEAR AREA OF DEBRIS PRIOR TO PROCEEDING WITH NEW CONSTRUCTION.
- EXISTING EQUIPMENT REMOVED SHALL BE PROPERLY DISPOSED OF, OFF PROJECT GROUNDS. COORDINATE WITH COR.
- AT AREAS INDICATED TO BE PATCHED AND REPAIRED, FOR ADDITION AND RENOVATION PROJECTS, THE CONSTRUCTION AND ASSEMBLY OF THE PATCH OR REPAIR SHALL MATCH THE ASSEMBLY AND INTEGRITY OF THE ADJACENT EXISTING CONSTRUCTION, FOR FIRE RATING, MATERIALS, FINISH, THICKNESS, AND QUALITY.
- COORDINATE WORKING HOURS ALLOWED FOR DEMOLITION AND WASTE REMOVAL WITH COR.
- NOTIFY COR OF ANY DEMOLITION REQUIRED AND NOT INDICATED FOR INSTALLATION OF ELECTRICAL OR DATA ITEMS. AFTER SUCH DEMOLITION AND INSTALLATION, PATCH OR REPLACE MATERIALS AND FINISHES TO MATCH EXISTING.
- CONTRACTOR SHALL PROTECT AREA ADJACENT TO THE DEMOLITION AND NEW CONSTRUCTION WORK TO PREVENT DAMAGES, (IF DAMAGED REPAIR, RE-PATCH, SAND SMOOTH AND REFINISH TO MATCH EXISTING.) REPAIR OR REPLACE ITEMS DAMAGED DURING CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST.
- THE INFORMATION CONTAINED IN THESE DEMOLITION DOCUMENTS DEFINES GENERAL SCOPE ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING ALL DEMOLITION REQUIRED FOR THE COMPLETION OF THE PROJECT.
- DO NOT ENCRONCH ON ADJACENT OCCUPIED AREAS NOT IDENTIFIED WITHIN THE SCOPE OF WORK.
- REFER TO THE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION REGARDING DEMOLITION OF ELECTRICAL SYSTEMS.
- BEFORE THE START OF WORK, IDENTIFY ANY REQUIRED DEMOLITION BEYOND THE IDENTIFIED PROJECT SCOPE WHETHER ABOVE, BELOW, OR OUTSIDE THE PROJECT AREA. NOTIFY AND COORDINATE WITH THE COR, PROVIDE DEMOLITION OF THESE AREAS AND PATCH THE SAME AS A PART OF THE SCOPE OF THE PROJECT.
- ALL DEMOLITION WORK SHALL BE PERFORMED WITH DUE CARE AND DILIGENCE IN ORDER TO PREVENT ARBITRARY DAMAGE OR INTERRUPTION OF SERVICE OR CONCEALED UTILITIES INTENDED TO REMAIN IN SERVICE. DISCOVERY OF UTILITIES OR CONDITIONS LOCATED DIFFERING FROM THOSE INDICATED OR THAT ARE NOT IDENTIFIED, SHALL BE REPORTED TO THE COR.
- AFTER REMOVAL OF EXISTING SOLID CONCRETE MASONRY WALL, FILL FLOOR VOIDS UP TO FINISH CONCRETE LEVEL AND PERFORM FLOOR LEVELING FOR ENTIRE AREA OF RENOVATION.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR AND ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
- ALL ITEMS BEING SALVAGED OR REMOVED SHALL REMAIN THE PROPERTY OF THE COR/VIA UNTIL CONFIRMATION HAS BEEN MADE AS TO WHETHER THE COR/VIA WILL RETAIN SUCH ITEMS. ALL ITEMS NOT BEING RETAINED BY THE COR/VIA OR DESIGNATED ON THE DRAWINGS, ARE TO BE RELOCATED OR REINSTALLED FROM THE SITE BY CONTRACTOR IN APPROVED MANNER.
- CONTRACTOR SHALL NOTIFY COR OF ANY AREA REQUIRING DEMOLITION OTHER THAN SHOWN IN THESE DRAWINGS DUE TO UNFORSEEN CONDITIONS, TO ACCOMMODATE INSTALLATION OF ALL OTHER TRADES (INCLUDING ROOF PENETRATIONS). AFTER SUCH DEMOLITION AND INSTALLATION, PATCH OR REPLACE MATERIALS AND FINISHES TO MATCH EXISTING.
- COORDINATE WITH COR FOR CONSTRUCTION ACCESS ROUTE AND LOCATIONS OF DUMPSTER AREA. COORDINATE WITH COR FOR SCHEDULE OF USE OF ACCESS ROUTE FOR WASTE REMOVAL AND CONTRACTOR USE OF FREIGHT ELEVATOR (AS REQUIRED).



1 STANDARD MOUNTING HEIGHTS

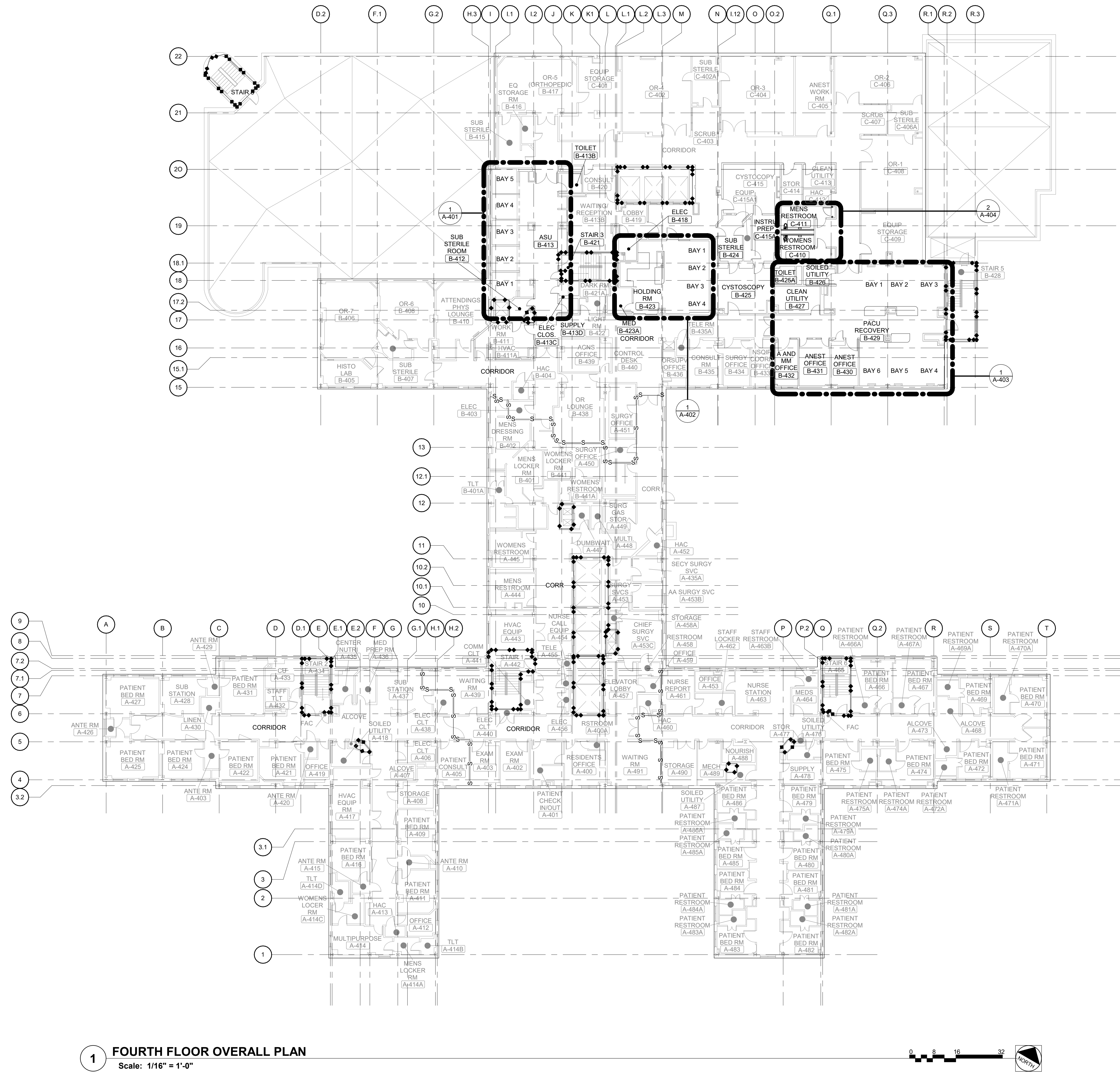
Scale: 3/8" = 1'-0"

GENERAL SYMBOL LEGEND



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100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		Office of Construction and Facilities Management		Drawing Title ARCHITECTURAL SYMBOLS, ABBREVIATIONS AND NOTES, AND GENERAL INFORMATION		Project Title ASU PACU SAFETY IMPROVEMENTS		VA PROJECT NUMBER 603-22-601	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511		U.S. Department of Veterans Affairs		Location ROBLEY REX VA MEDICAL CENTER 800 ZORN AVENUE LOUISVILLE, KENTUCKY 40206		Approved T-694		Building Number # 1	
			www.acg-pa.com		619-858-7420		Date DECEMBER 14, 2022		Checked WVS		Drawn BLN	
			12/12/2022								Drawing Number A-001	
											Dwg 1 of 6	



1 FOURTH FLOOR OVERALL PLAN
Scale: 1/16" = 1'-0"

ICRA LEGEND

~~~~~ FLEX DUCT FROM HEPA AIR SCRUBBER

**KEY PLAN**  
SCALE: NO SCALE  
■ AREA OF WORK

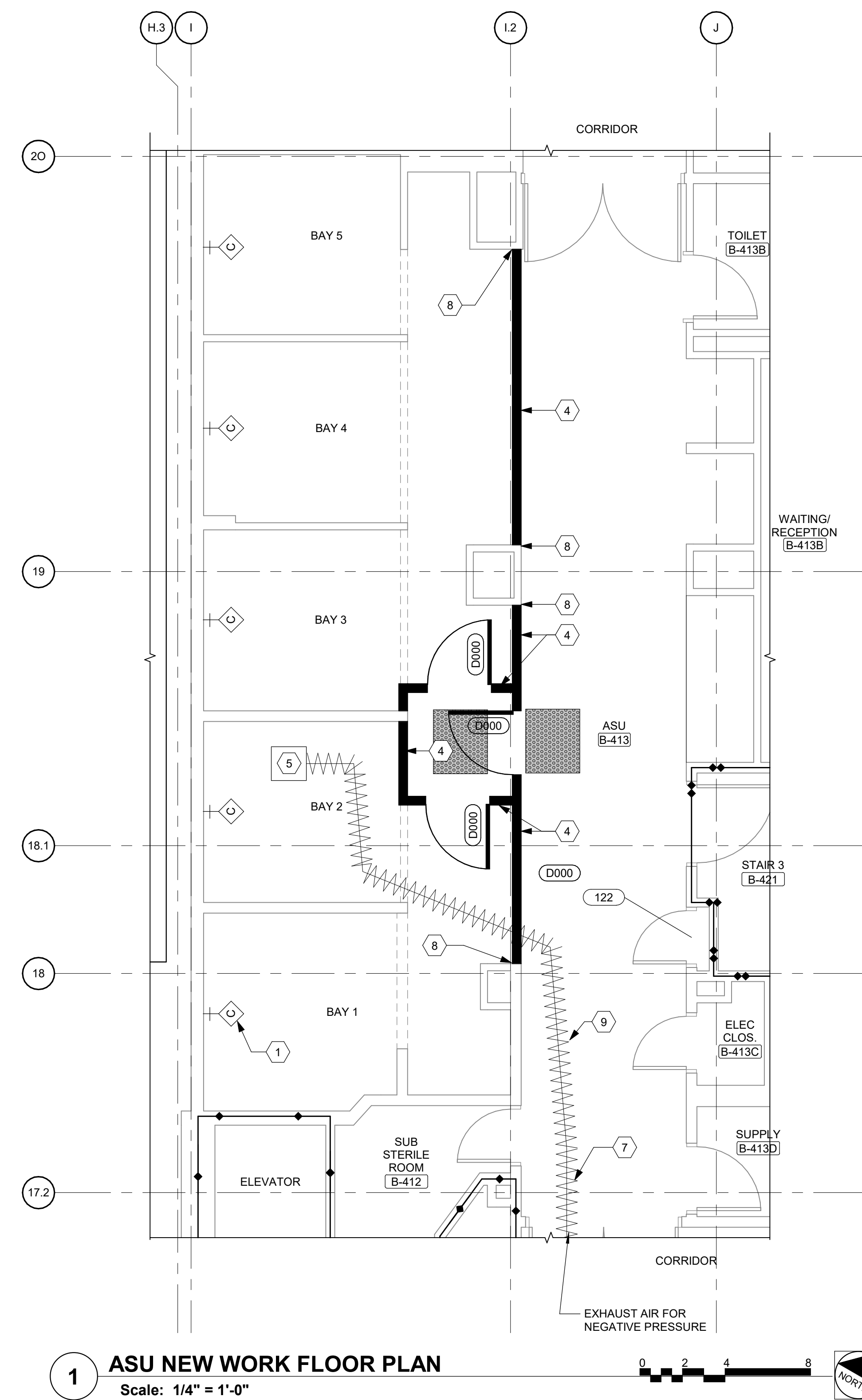
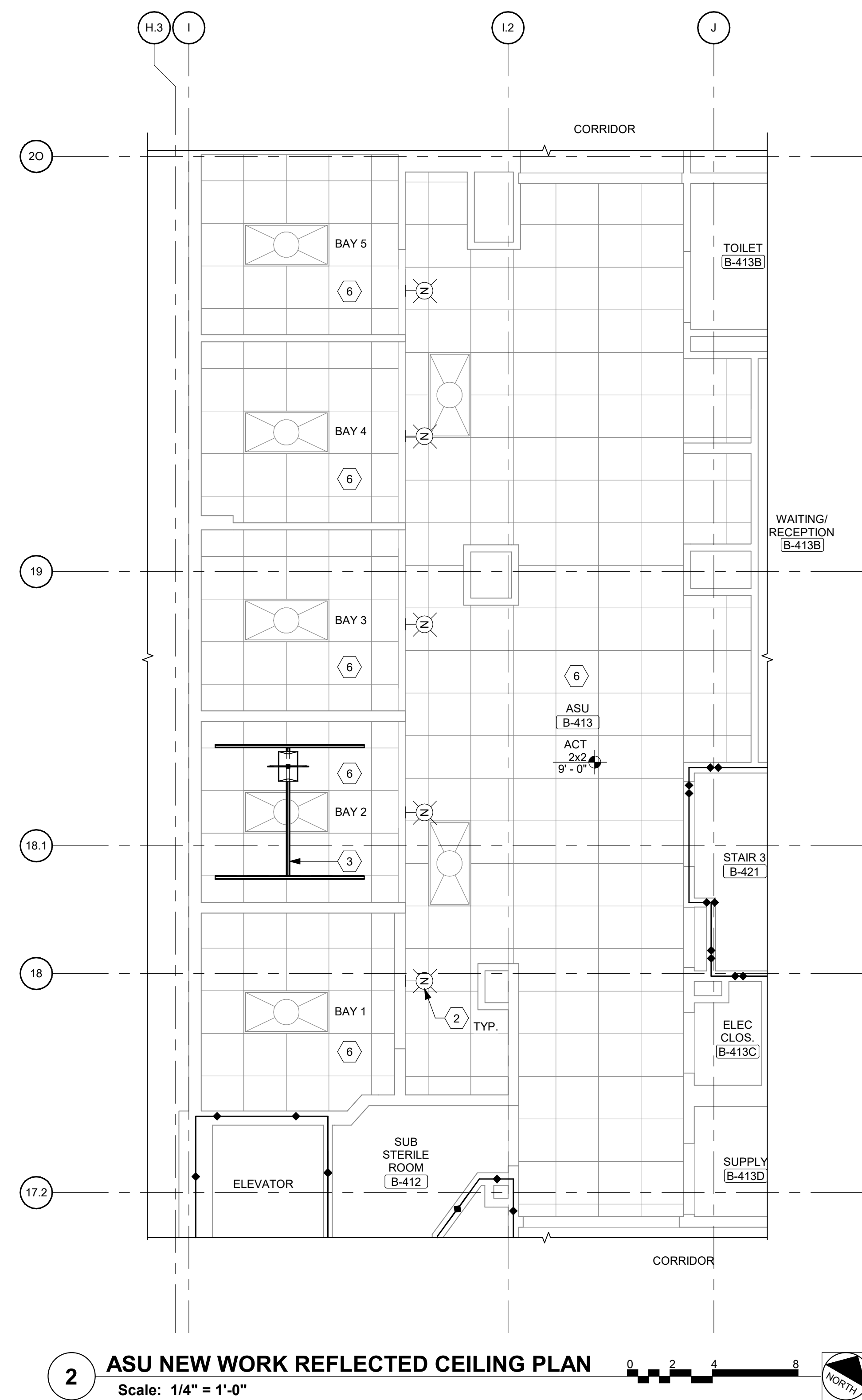
**WALL RATING LEGEND**

—•—•— 1 HR - FIRE SEPARATION  
—•—•— 2 HR - FIRE SEPARATION  
—S—S— SMOKE RESISTIVE HAZARDOUS AREA

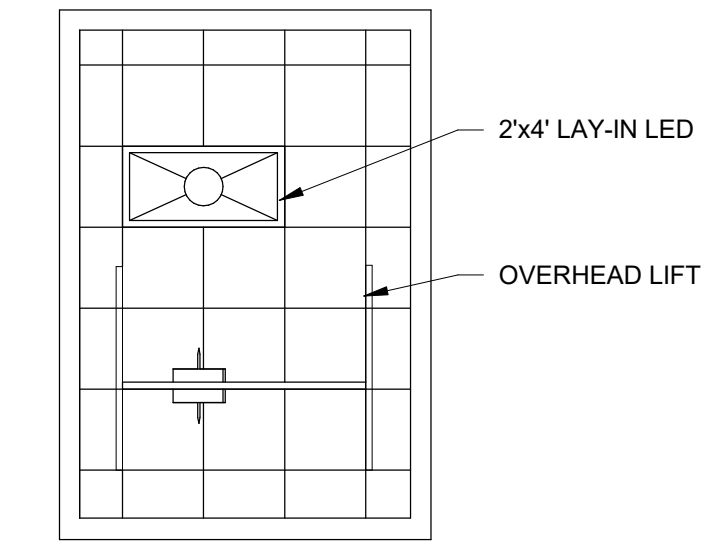
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|   |            |      |                     |  |  |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |                                                                                                                                                                          |                                                                                                                                                                                        |                                                                                                                                                  |
|---|------------|------|---------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|   |            |      | <b>CONSULTANTS:</b> |  |  | <div><div><div>PROJECT MANAGER</div><div>ACG Project Number<br/>21-287</div></div><div><div><div>Headquarters:<br/><b>Apogee Consulting Group, P.A.</b><br/>1151 Kildaire Farm Road, Suite 120<br/>Cary, North Carolina 27511</div></div><div><div>www.acg-pa.com</div><div>919-858-7420</div></div></div></div> | <div><div>Office of<br/>Construction<br/>and Facilities<br/>Management</div><div> U.S. Department<br/>of Veterans Affairs</div></div> | <div><div>Drawing Title<br/>FOURTH FLOOR OVERALL PLAN</div><div>Location<br/>ROBLEY REX VA MEDICAL CENTER<br/>800 ZORN AVENUE<br/>LOUISVILLE, KENTUCKY 40206</div></div> | <div><div>Project Title<br/>ASU PACU SAFETY<br/>IMPROVEMENTS<br/>T-694</div><div>Approved<br/>Date<br/>DECEMBER 14, 2022</div><div>Checked<br/>WVS</div><div>Drawn<br/>BLN</div></div> | <div><div>VA PROJECT NUMBER<br/>603-22-601</div><div>Building Number<br/># 1</div><div>Drawing Number<br/>A-101</div><div>Dwg 2 of 6</div></div> |
| # | Revisions: | Date |                     |  |  |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |                                                                                                                                                                          |                                                                                                                                                                                        |                                                                                                                                                  |





### REFLECTED CEILING PLAN LEGEND



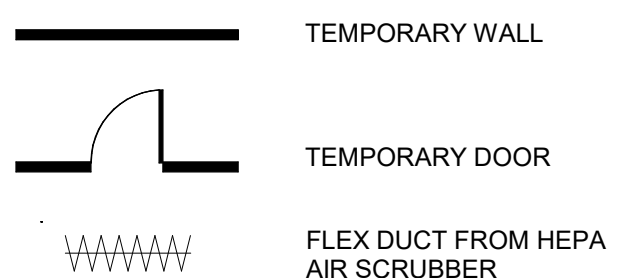
SHEET NOTES:

- A. SEQUENCE OF WORK: ISOLATE BAYS 1 AND 2 FIRST WITH TEMPORARY BARRIER AND VESTIBULE WHILE BAYS 3,4 AND 5 REMAIN OPERATIONAL. AFTER BAYS 1 AND 2 COMPLETE, REMOVE TEMPORARY BARRIERS AND ISOLATE BAYS 3,4, AND 5 WITH TEMPORARY BARRIER AND VESTIBULE WHILE BAYS 1 AND 2 REMAIN OPERATIONAL.
- B. ACCESS PANELS ARE NOT PERMITTED IN SOFFITS, CHECK ALL VALVES, FIRE DAMPERS, REHEAT BOXES, ETC. FOR ACCESS POINTS. ARRANGE FIRE SMOKE DAMPER ACCESS FROM NON-CORRIDOR SIDE
- C. LIGHTS, DIFFUSERS, EXIT SIGNAGE, SPRINKLER HEADS, AND SMOKE DETECTORS MUST BE CENTERED IN CEILING PANELS IN WHICH THEY OCCUR
- D. COORDINATE WITH SEPARATE MECHANICAL AND ELECTRICAL DESIGN PACKAGES FOR CEILING MOUNTED DEVICES
- E. PAINT CUT EDGES OF ACT TO MATCH CEILING TILE WHEN EXPOSED TO VIEW
- F. CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION
- G. THERE IS APPROXIMATELY 47 LF. OF TEMPORARY WALL TO BE CONSTRUCTED IN THIS AREA

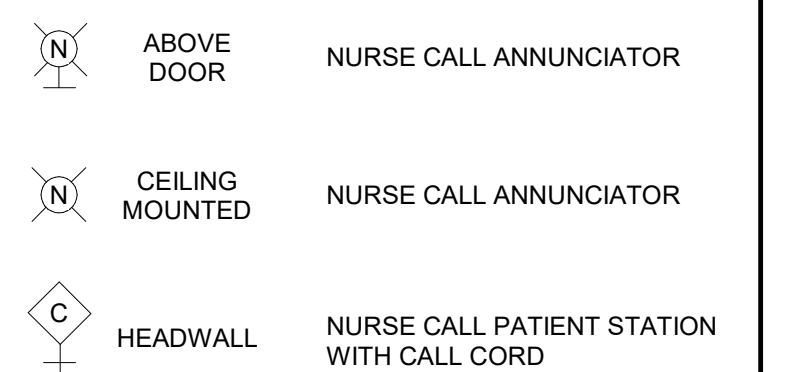
KEY NOTES:

- 1 NEW NURSE CALL PATIENT STATION AT  
HEADWALL, TYP.
- 2 NEW NURSE CALL ANNUNCIATOR LOCATED IN  
EXISTING R/C HEAD, TYP.
- 3 FUTURE OVERHEAD PATIENT LIFT AND TRACKS.  
NOT IN SCOPE OF WORK. INSTALLED IN ANOTHER  
PROJECT.
- 4 TEMPORARY BARRIER FROM FLOOR TO TIGHT TO  
UNDERSIDE OF CEILING. CONTRACTORS  
DISCRETION, MAY USE WALL SYSTEM (STAIN-  
LESS STEEL WALLS OR ALUMINUM CHANNEL OR BUILD  
HARD BARRIERS (METAL STUDS AND 5/8" GYP. BD.  
WITH TIES). BARRIERS TO BE AIRTIGHT
- 5 AIR SCRUBBER UNIT
- 6 EXISTING CEILING TO REMAIN
- 7 SEE SHEET G-004 FOR COMPLETE FLEX DUCT  
ROUTING
- 8 REPAIR FLOORS, WALLS AND CEILING TO  
ORIGINAL CONDITION AFTER TEMPORARY  
BARRIERS ARE REMOVED.
- 9 EXHIBIT TO BE SUBMITTED FROM CEILING AND  
ALLOW FOR PEDESTRIAN TRAFFIC

## ICRA LEGEND

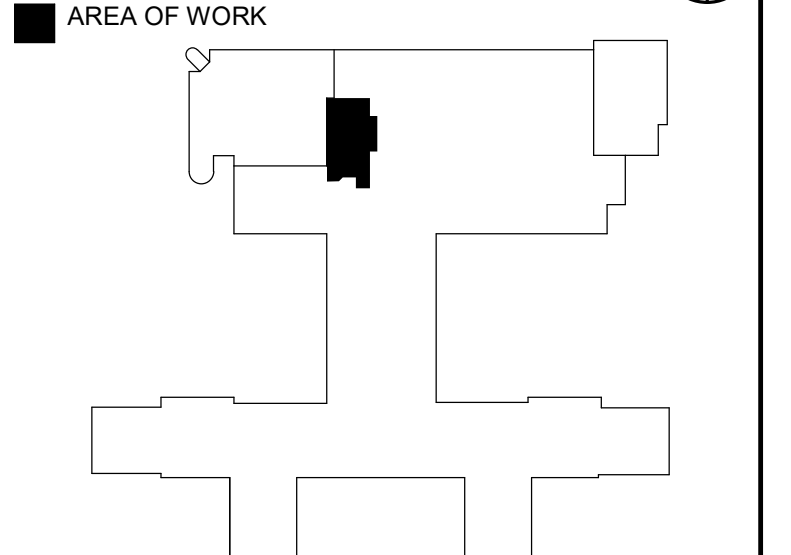


## LEGEND

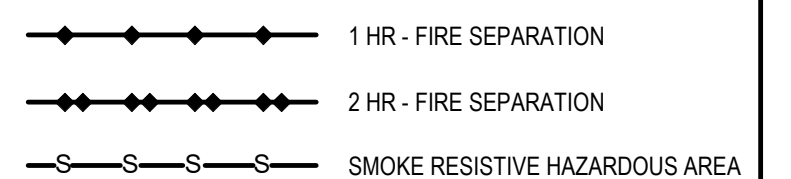


## KEY PLAN

SCALE: NO SCALE



### WALL RATING LEGEND

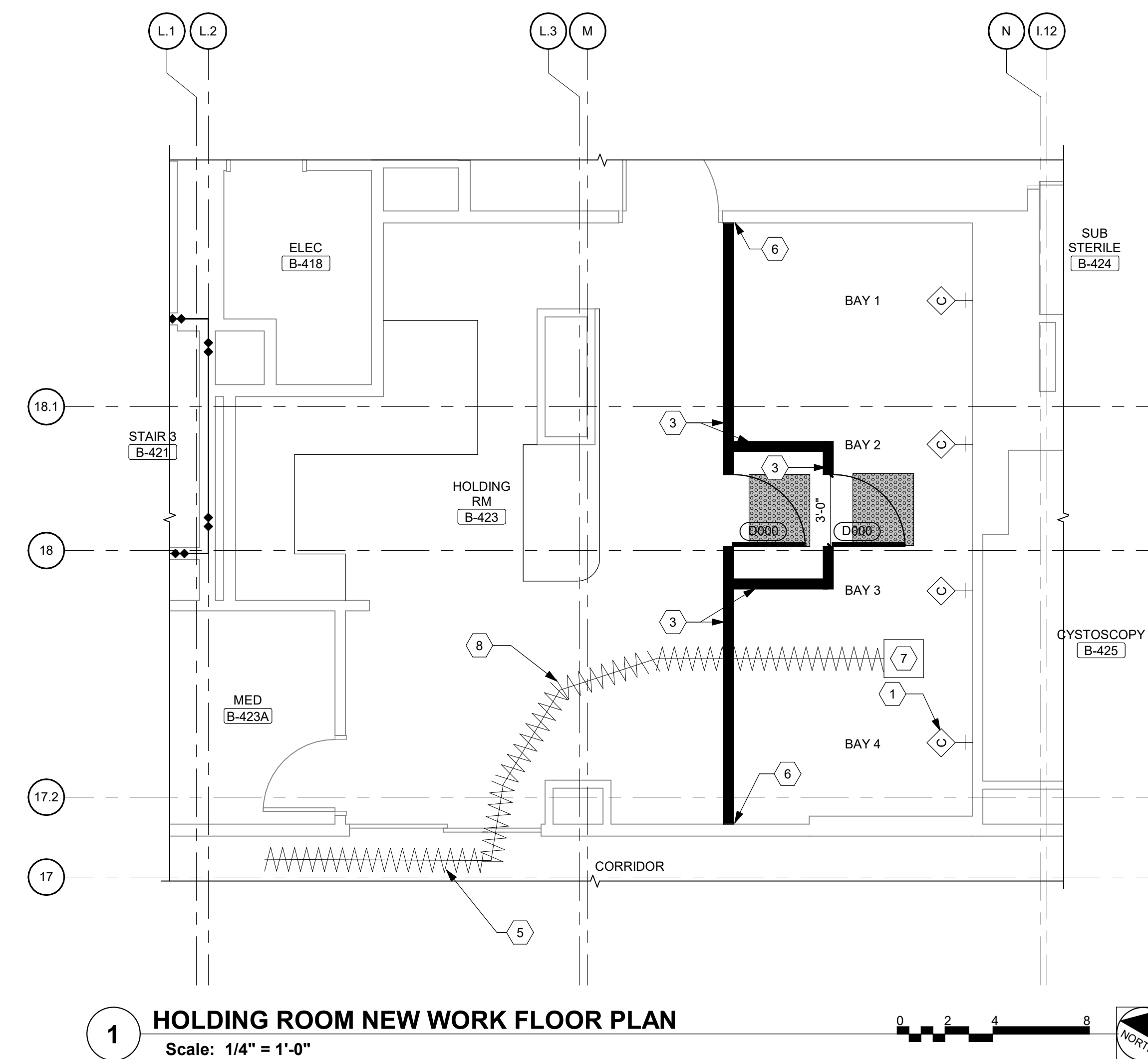
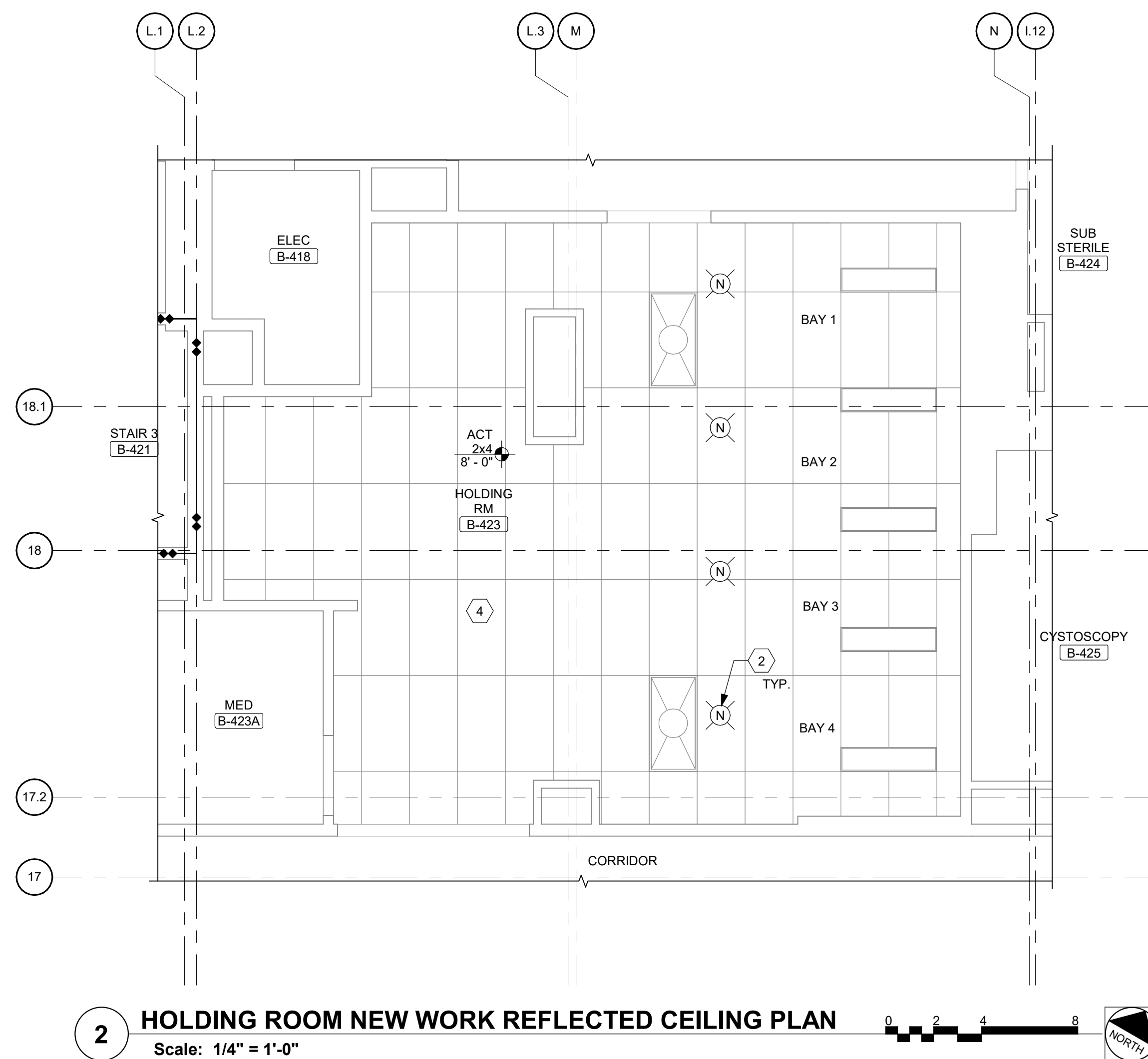


FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

[illegible]



ASU AREA, HOLDING AREA, AND PACU AREAS MUST BE DONE INDIVIDUALLY AND AT SEPARATE TIMES. A PRE-CONSTRUCTION CONFERENCE TO BE SCHEDULED 30 DAYS IN ADVANCE OF START OF CONSTRUCTION WITH THE COR TO DISCUSS SCHEDULING AND SEQUENCE OF WORK.



SHEET NOTES:

- SEQUENCE OF WORK: ISOLATE BAYS 1, 2, 3, AND 4 WITH TEMPORARY BARRIER AND VESTIBULE. PERFORM ALL WORK AND REMOVE BARRIERS
- ACCESS PANELS ARE NOT PERMITTED IN SOFFITS, CHECK ALL VALVES, FIRE DAMPERS, REHEAT BOXES, ETC. FOR ACCESS POINTS. ARRANGE FIRE AND SMOKE DAMPER ACCESS FROM NON-CORRIDOR SIDE
- LIGHTS, DIFFUSERS, EXIT SIGNAGE, SPRINKLER HEADS, AND SMOKE DETECTORS MUST BE CENTERED IN CEILING PANELS IN WHICH THEY OCCUR
- COORDINATE WITH SEPARATE MECHANICAL AND ELECTRICAL DESIGN PACKAGES FOR CEILING MOUNTED DEVICES
- PAINT CUT EDGES OF ACT TO MATCH CEILING TILE WHERE EXPOSED TO VIEW
- CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION
- THERE IS APPROXIMATELY 40 L.F. OF TEMPORARY WALL TO BE CONSTRUCTED IN THIS AREA

KEY NOTES:

- NEW NURSE CALL PATIENT STATION AT HEADWALL, TYP.
- NEW NURSE CALL ANNUNCIATOR, TYP.
- TEMPORARY BARRIER FROM FLOOR TO TIGHT TO UNDERSIDE OF CEILING. CONTRACTORS DISCRETION, MAY USE WALL SYSTEM (STARC WALLS OR EDGE GUARD OR EQUAL) OR BUILD HARD BARRIERS (METAL STUDS AND 5/8" CYP. BD BOTH SIDES. BARRIERS TO BE AIRTIGHT)
- EXISTING CEILING TO REMAIN
- SEE SHEET G-004 FOR COMPLETE FLEX DUCT ROUTING
- REPAIR FLOORS, WALLS AND CEILING TO ORIGINAL CONDITION AFTER TEMPORARY BARRIERS ARE REMOVED
- AIR SCRUBBER UNIT
- FLEXDUCT TO BE SUSPENDED FROM CEILING AND ALLOW FOR PEDESTRIAN TRAFFIC

ICRA LEGEND

- TEMPORARY WALL
- TEMPORARY DOOR
- FLEX DUCT FROM HEPA AIR SCRUBBER

REFLECTED CEILING PLAN LEGEND

- 1'x4' LAY-IN LED
- 2'x4' LAY-IN LED

LEGEND

- ABOVE DOOR NURSE CALL ANNUNCIATOR
- CEILING MOUNTED NURSE CALL ANNUNCIATOR
- HEADWALL NURSE CALL PATIENT STATION WITH CALL CORD

KEY PLAN

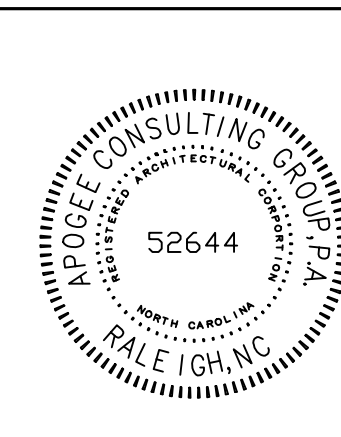
- SCALE: NO SCALE
- AREA OF WORK
- 

WALL RATING LEGEND

- 1 HR - FIRE SEPARATION
- 2 HR - FIRE SEPARATION
- SMOKE RESISTIVE HAZARDOUS AREA

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100% CONSTRUCTION DOCUMENTS

CONSULTANTS:



PROJECT MANAGER

Headquarters:  
**Apogee Consulting Group, P.A.**  
1151 Kildaire Farm Road, Suite 120  
Cary, North Carolina 27511  
www.acg-pa.com 919-858-7420

Office of  
Construction  
and Facilities  
Management



Drawing Title  
**HOLDING ROOM ENLARGED PLANS**  
Location  
**ROBLEY REX VA MEDICAL CENTER**  
800 ZORN AVENUE  
LOUISVILLE, KENTUCKY 40206

Project Title  
**ASU PACU SAFETY IMPROVEMENTS**  
T-694  
Approved  
Date  
DECEMBER 14, 2022  
Checked  
WVS  
Drawn  
BLN

VA PROJECT NUMBER  
603-22-601  
Building Number  
# 1  
Drawing Number  
**A-402**  
Dwg 4 of 6



ASU AREA, HOLDING AREA, AND PACU AREAS  
MUST BE DONE INDIVIDUALLY AND AT  
SEPARATE TIMES. A PRE-CONSTRUCTION  
CONFERENCE TO BE SCHEDULED 30 DAYS IN  
ADVANCE OF START OF CONSTRUCTION WITH  
THE COR TO DISCUSS SCHEDULING AND  
SEQUENCE OF WORK.

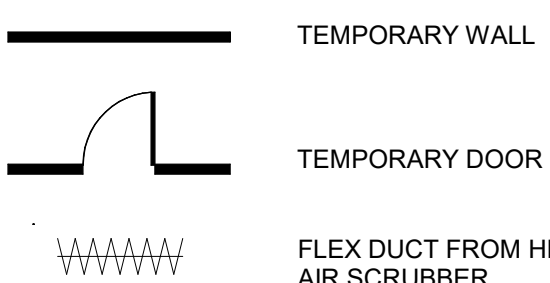
SHEET NOTES:

- A. SEQUENCE OF WORK: ONLY ONE SIDE MAY BE DONE AT A TIME. 3 BAYS MUST STAY OPERATIONAL AT ALL TIMES.
- B. ACCESS PANELS ARE NOT PERMITTED IN SOFFITS, CHECK ALL VALVES, FIRE DAMPERS, REHEAT BOXES, ETC. FOR ACCESS POINTS. ARRANGE FIRE AND SMOKE DAMPER ACCESS FROM NON-CORRIDOR SIDE.
- C. LIGHTS, DIFFUSERS, EXIT SIGNAGE, SPRINKLER HEADS, AND SMOKE DETECTORS MUST BE CENTERED IN CEILING PANELS IN WHICH THEY OCCUR.
- D. COORDINATE WITH SEPARATE MECHANICAL AND ELECTRICAL DESIGN PACKAGES FOR CEILING MOUNTED DEVICES.
- E. PAINT CUT EDGES OF ACT TO MATCH CEILING TILE WHERE EXPOSED TO VIEW.
- F. CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.
- G. THERE IS APPROXIMATELY 76 L.F. OF TEMPORARY WALL TO BE CONSTRUCTED IN THIS AREA.

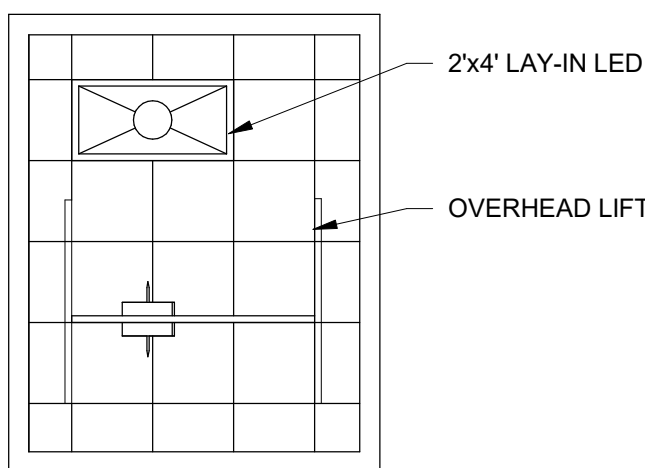
KEY NOTES:

- 1 NEW NURSE CALL PATIENT STATION AT HEADWALL, TYP.
- 2 NEW NURSE CALL ANNUNCIATOR, TYP.
- 3 FUTURE OVERHEAD PATIENT LIFT AND TRACKS. NOT IN SCOPE OF WORK. INSTALLED IN ANOTHER PROJECT.
- 4 TEMPORARY BARRIER FROM FLOOR TO TIGHT TO UNDERSIDE OF CEILING. CONTRACTORS DISCRETION, MAY USE WALL SYSTEM (STARC WALLS OR EDGE GUARD OR EQUAL) OR BUILD HARD BARRIERS (METAL STUDS AND 5/8" GYP. BD BOTH SIDES. BARRIERS TO BE AIRTIGHT).
- 5 EXISTING CEILING TO REMAIN.
- 6 REPAIR FLOORS, WALLS AND CEILING TO ORIGINAL CONDITION AFTER TEMPORARY BARRIERS ARE REMOVED.
- 7 AIR SCRUBBER UNIT.
- 8 FLEX DUCT TO BE SUSPENDED FROM CEILING AND ALLOW FOR PEDESTRIAN TRAFFIC.

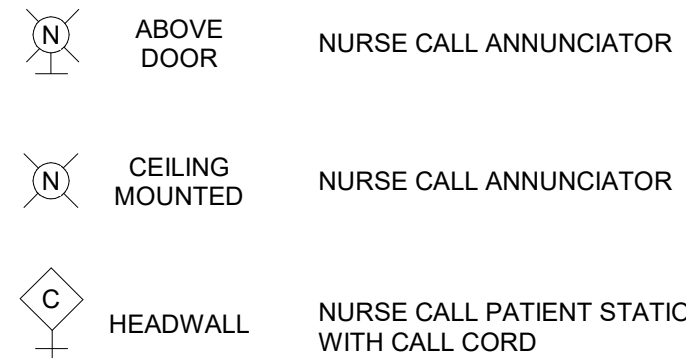
ICRA LEGEND



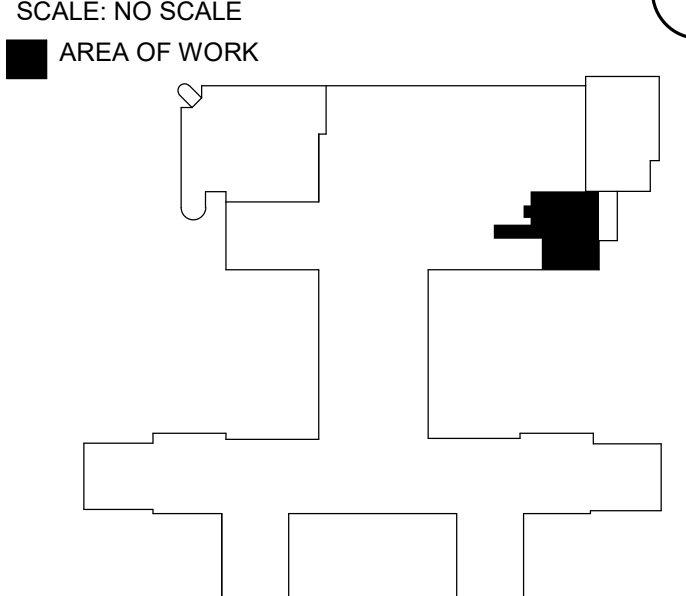
REFLECTED CEILING PLAN LEGEND



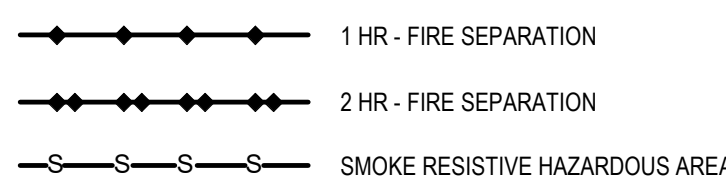
LEGEND



KEY PLAN



WALL RATING LEGEND

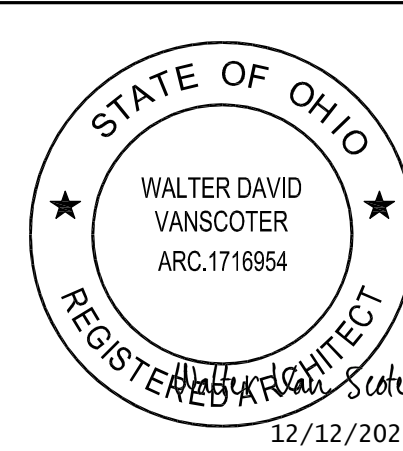


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100% CONSTRUCTION DOCUMENTS

2 PACU NEW WORK REFLECTED CEILING PLAN  
Scale: 1/4" = 1'-0"

1 PACU NEW WORK FLOOR PLAN  
Scale: 1/4" = 1'-0"

CONSULTANTS:



PROJECT MANAGER

Headquarters:  
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1151 Kildaire Farm Road, Suite 120  
Cary, North Carolina 27511  
www.acg-pa.com 919-858-7420

Office of  
Construction  
and Facilities  
Management

U.S. Department  
of Veterans Affairs

Drawing Title  
PACU RECOVERY ENLARGED PLANS

Location  
ROBLEY REX VA MEDICAL CENTER  
800 ZORN AVENUE  
LOUISVILLE, KENTUCKY 40206

Project Title  
ASU PACU SAFETY  
IMPROVEMENTS  
T-694

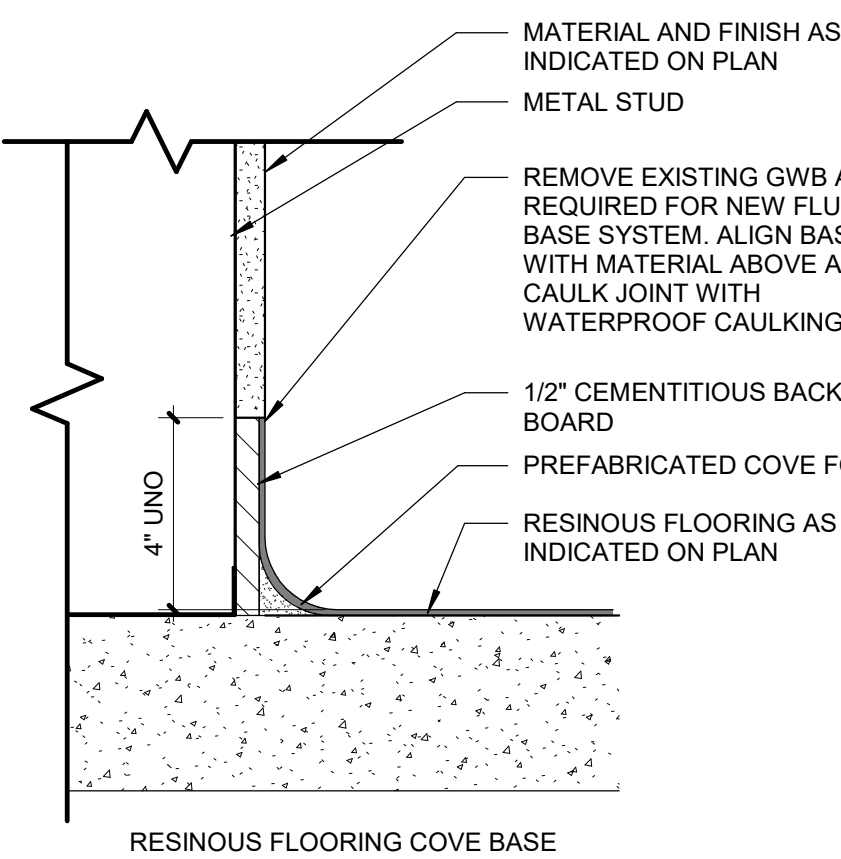
Approved  
Date  
DECEMBER 14, 2022

Checked  
WVS  
Drawn  
BLN

VA PROJECT NUMBER  
603-22-601  
Building Number  
# 1  
Drawing Number  
**A-403**  
Dwg 5 of 6

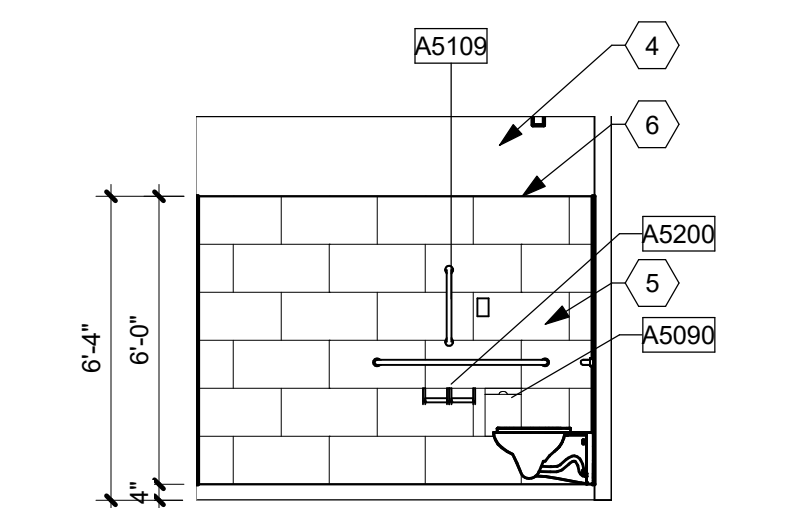


ALL SEAMS, COVES, AND CORNERS SHALL BE SMOOTH TO ALLOW EASE OF CLEANING

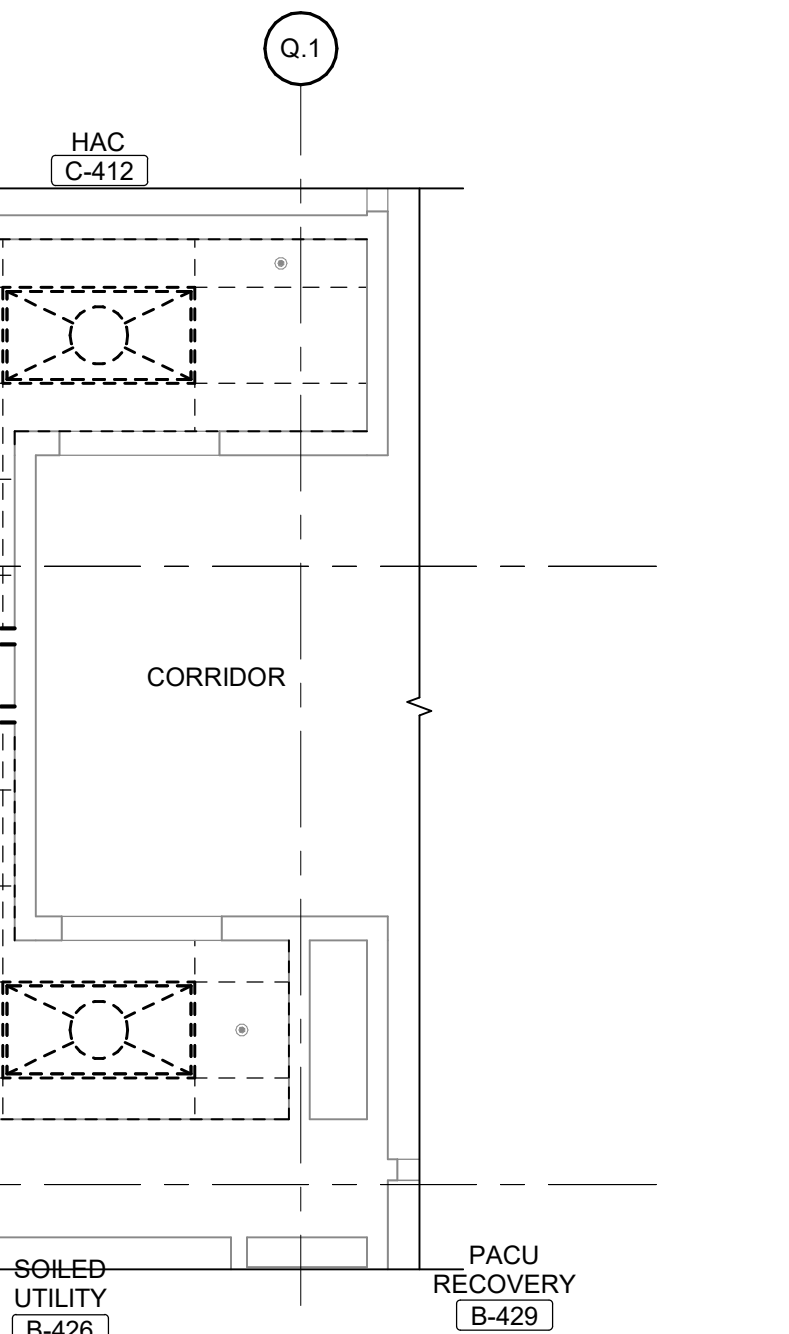


**3 FLOOR - COVE BASE DETAIL**  
Scale: 3" = 1'-0"

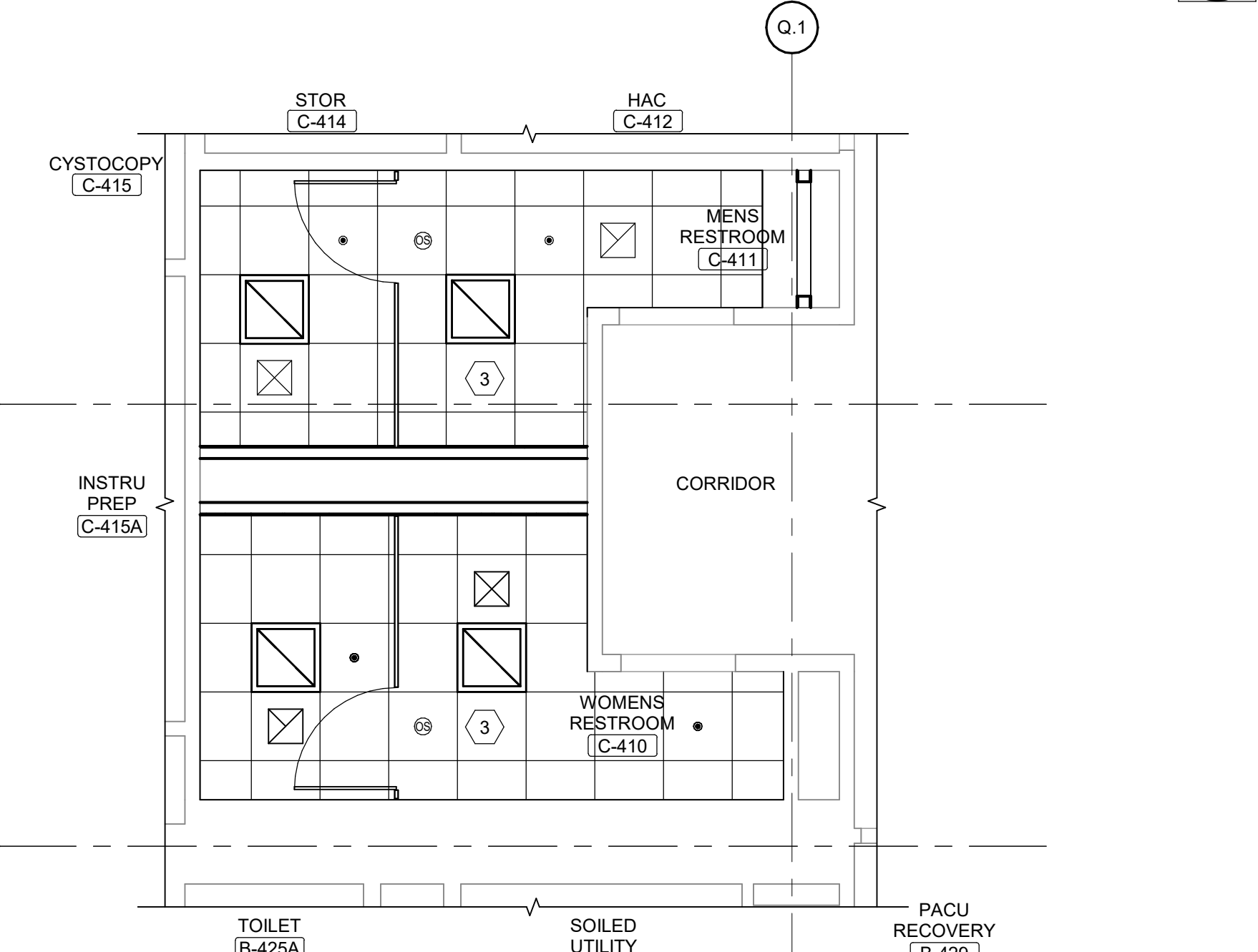
**MEN'S RESTROOM C-411 - WEST**  
Scale: 1/4" = 1'-0"



**2D WOMENS RESTROOM C-410 - WEST**  
Scale: 1/4" = 1'-0"



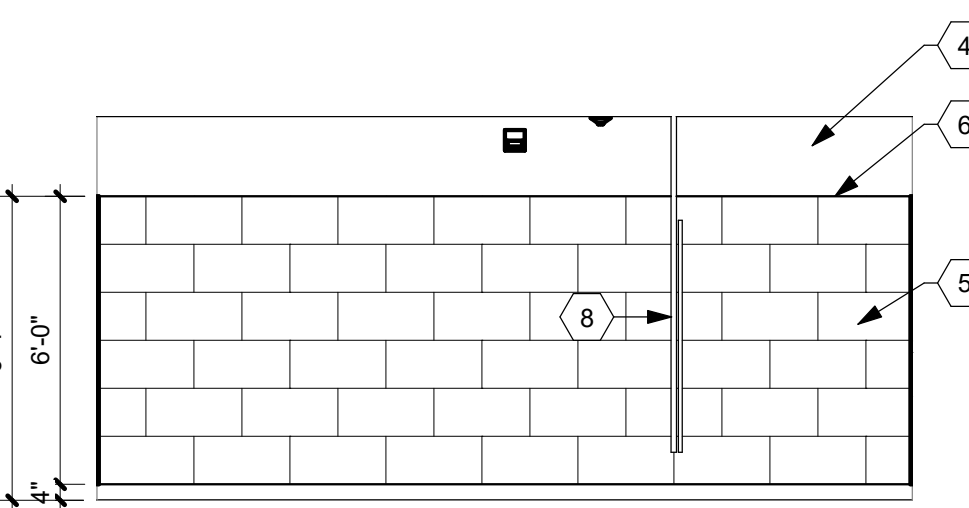
**4 RESTROOM DEMOLITION REFLECTED CEILING PLAN**  
Scale: 1/4" = 1'-0"



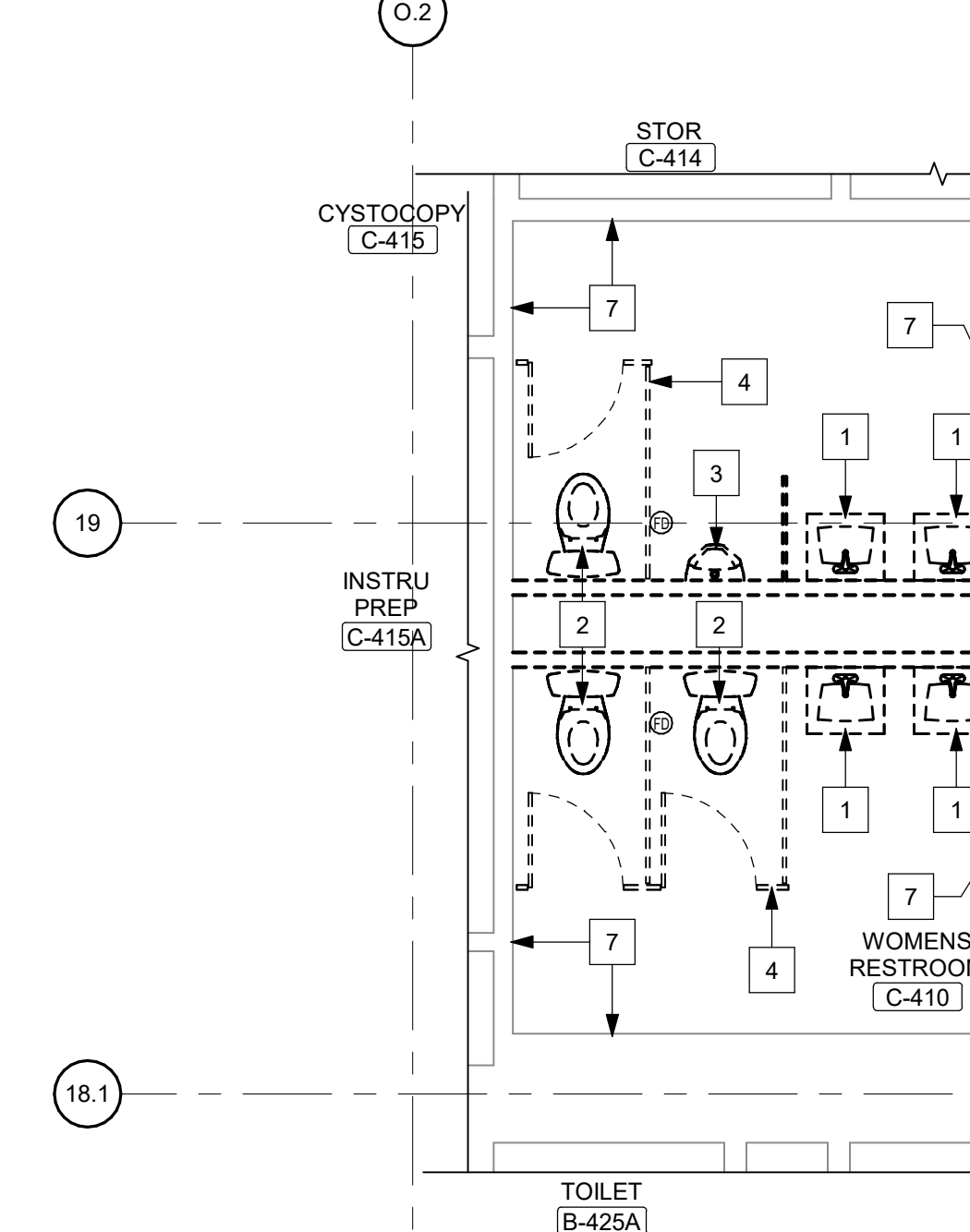
**5 RESTROOM REFLECTED CEILING PLAN**  
Scale: 1/4" = 1'-0"



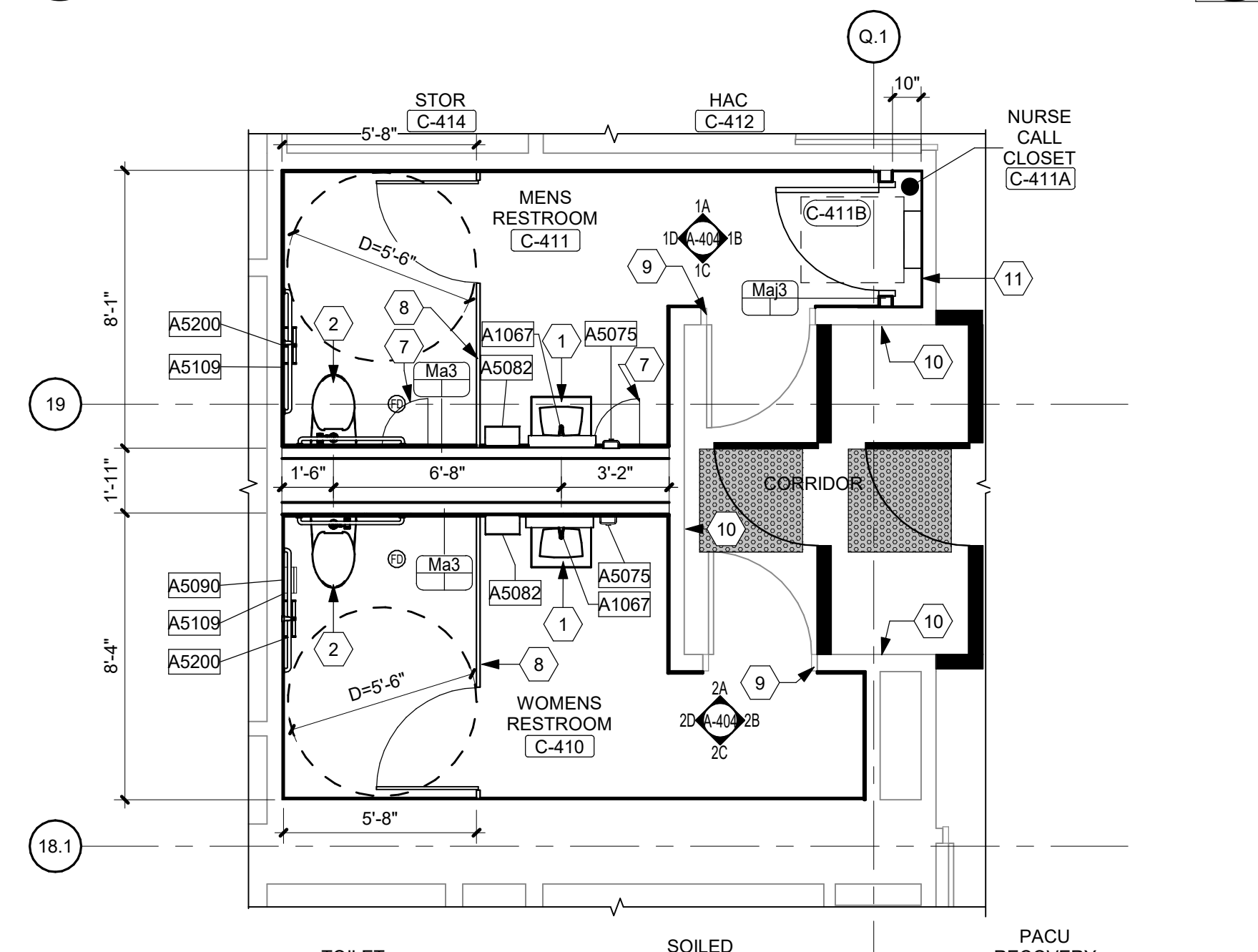
**1C MEN'S RESTROOM C-411 - SOUTH**  
Scale: 1/4" = 1'-0"



**2C WOMENS RESTROOM C-410 - SOUTH**  
Scale: 1/4" = 1'-0"



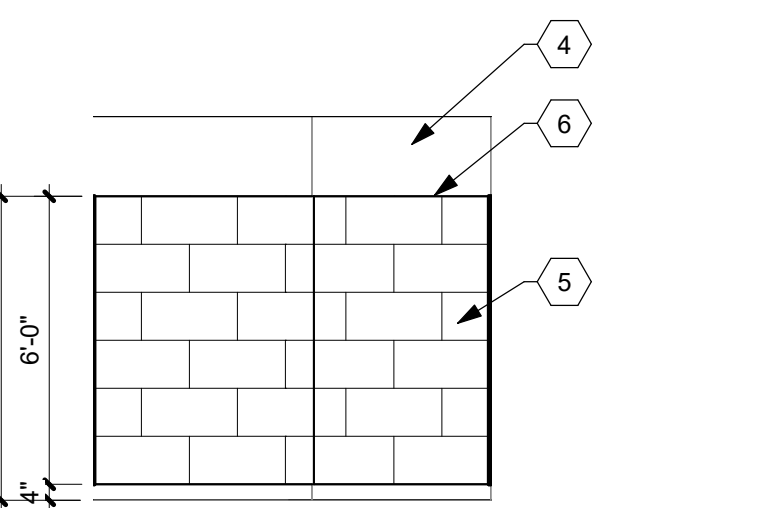
**1 RESTROOM DEMOLITION PLAN**  
Scale: 1/4" = 1'-0"



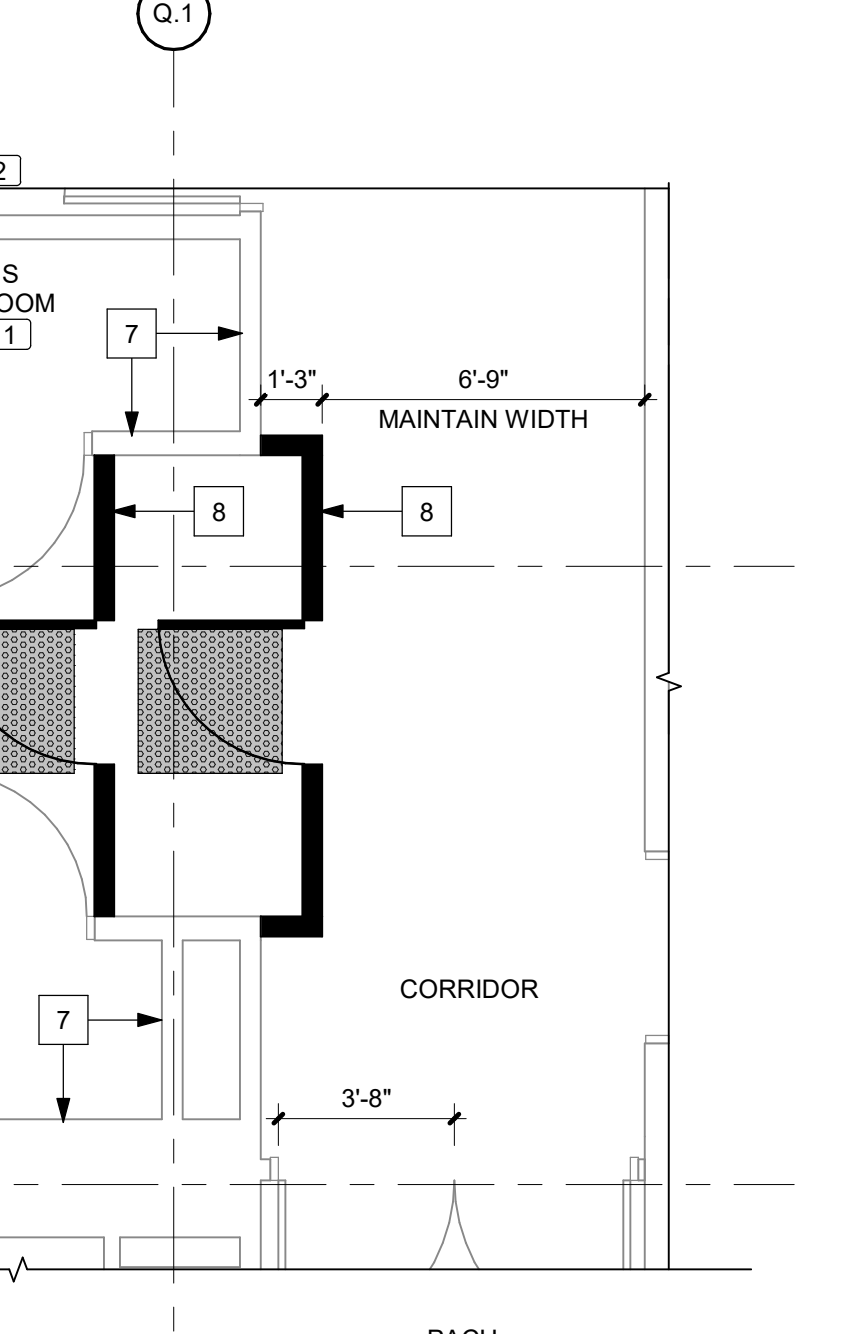
**2 RESTROOM FLOOR PLAN**  
Scale: 1/4" = 1'-0"



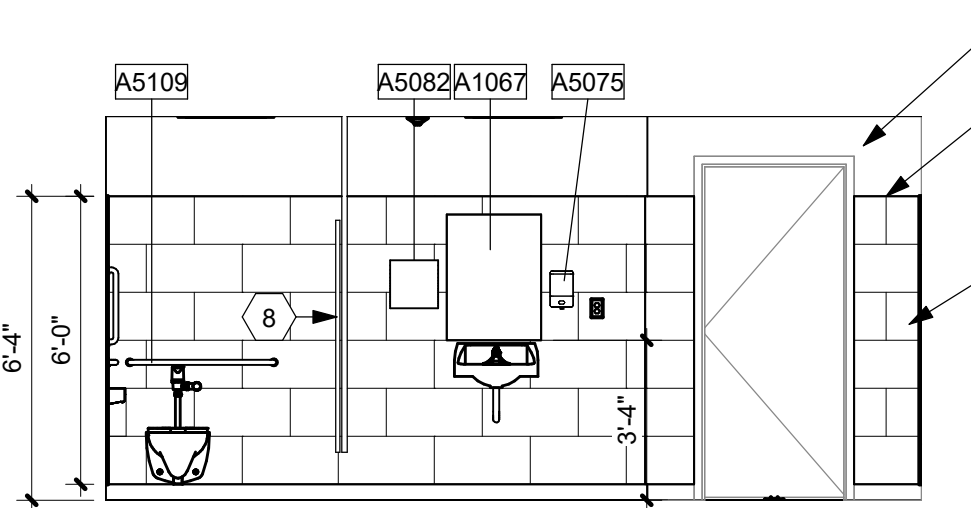
**1B MEN'S RESTROOM C-411 - EAST**  
Scale: 1/4" = 1'-0"



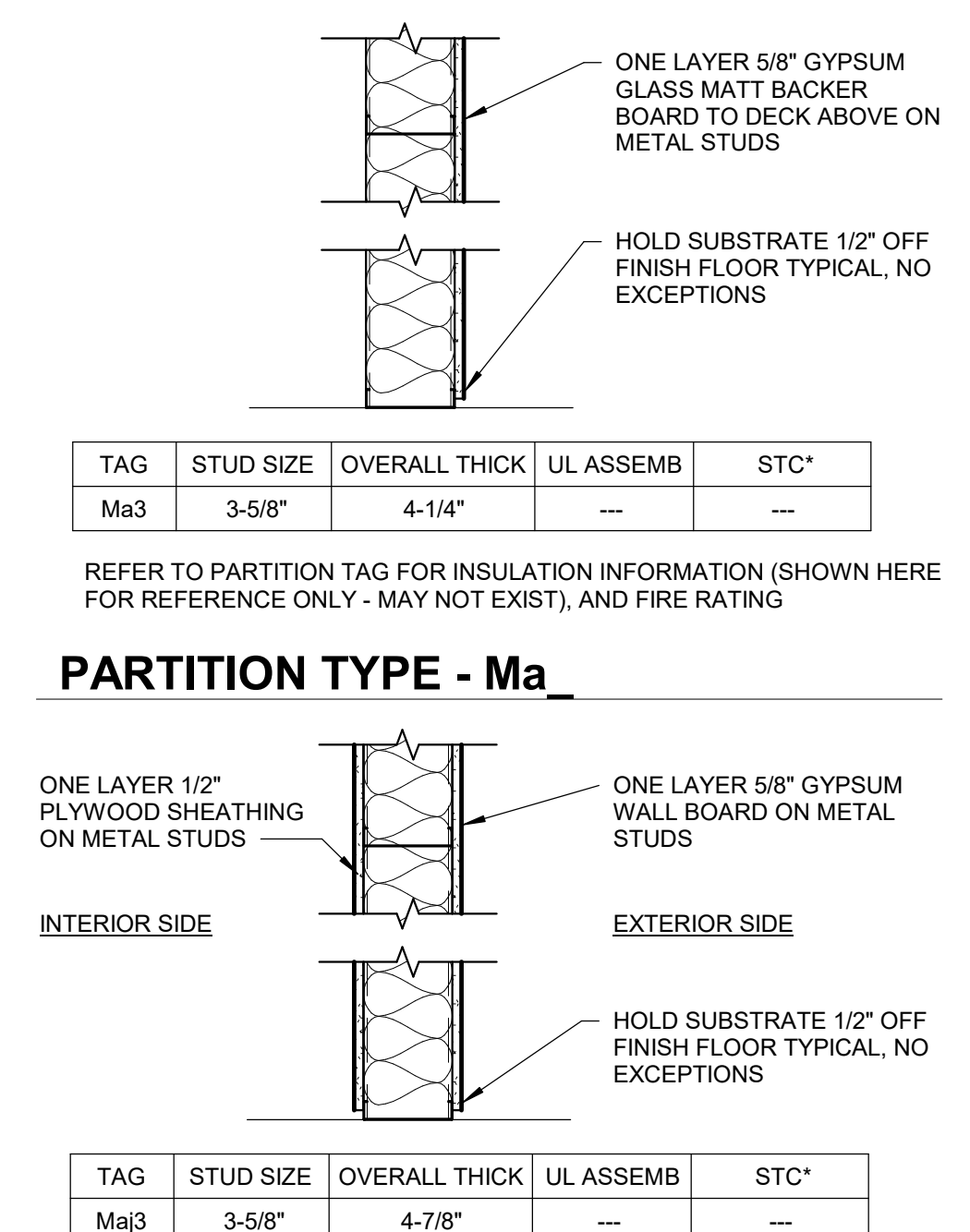
**2B WOMENS RESTROOM C-410 - EAST**  
Scale: 1/4" = 1'-0"



**1A MEN'S RESTROOM C-411 - NORTH**  
Scale: 1/4" = 1'-0"



**2A WOMEN'S RESTROOM C-410 - NORTH**  
Scale: 1/4" = 1'-0"



**PARTITION TYPE - Maj3**

REFER TO PARTITION TAG FOR INSULATION INFORMATION (SHOWN HERE FOR REFERENCE ONLY - MAY NOT EXIST), AND FIRE RATING

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REFER TO PARTITION TAG FOR INSULATION INFORMATION (SHOWN HERE FOR REFERENCE ONLY - MAY NOT EXIST), AND FIRE RATING

## EQUIPMENT GENERAL NOTES

1. REFER TO A-001 FOR STANDARD MOUNTING HEIGHTS AND BLOCKING. REFER TO EQUIPMENT DRAWINGS FOR LOCATIONS AND ADDITIONAL DIMENSIONS. PROVIDE BLOCKING FOR ALL WALL MOUNTED EQUIPMENT. CASEWORK, MILLWORK AND WALL PROTECTION AS REQUIRED BY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION.
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, TEL-COM AND LOW VOLTAGE DRAWINGS FOR ADDITIONAL REQUIRED UTILITY CONNECTIONS AND LOCATIONS.
3. FURNITURE, FIXTURES AND EQUIPMENT SHOWN ON PLANS AND SCHEDULES ARE FOR COORDINATION AND SPATIAL PURPOSES ONLY. NOT TO BE USED FOR ACTIVATION PURCHASING.
4. REFER TO SHEET A-404 FOR ENLARGED TOILET ROOMS.
5. SEE EQUIPMENT SCHEDULE ON SHEET A-404 FOR SPECIFICS ON EQUIPMENT BY ROOM.
6. ITEM TAGS INCLUDE ACQUISITION AND INSTALLATION RESPONSIBILITIES (ACQ.), DENOTED AS FOLLOWS:

### EQUIPMENT SCHEDULE LEGEND

1. "VV" = VA FURNISHED & VA INSTALLED
2. "VC" = VA FURNISHED & CONTRACTOR INSTALLED
3. "CC" = CONTRACTOR FURNISHED & CONTRACTOR INSTALLED

## FINISH GENERAL NOTES

1. REFERENCE ROOM FINISH SCHEDULE, FINISH MATERIAL LEGEND FOR MORE INFORMATION.
2. REFERENCE REFLECTED CEILING PLAN FOR ADDITIONAL CEILING INFO.
3. PREPARE ALL FLOOR AND WALL CONSTRUCTION, NEW AND/OR EXISTING, TO RECEIVE NEW FINISHES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
4. PRIOR TO INSTALLATION OF NEW FINISHES, CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE VA OWNER WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE INDICATION THAT THE INSTALLER / FINISHER ACCEPTS CONDITION OF SUBSTRATE.
5. USE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
6. ALL NECESSARY TILE FLOORING UNDERLAYMENT TO BE PROVIDED AND INSTALLED BY FLOORING CONTRACTOR. ALL SETTING AND UNDERLAYMENT SYSTEMS TO BE FROM SAME MANUFACTURER AND APPROVED BY FLOORING MANUFACTURER.
7. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES. FLOORING CONTRACTOR TO SUBMIT A DIAGRAM SHOWING FLOORING TRANSITION LOCATIONS FOR DESIGNERS APPROVAL PRIOR TO INSTALLATION.
8. ALL FLOOR TRANSITIONS BETWEEN DISLIKE MATERIALS SHALL BE STAINLESS STEEL TRIM AND TO BE LOCATED AT CENTERLINE OF DOOR WHEN IN CLOSED POSITION.
9. PAINT ALCOVE FROM TOP OF EXISTING BASE TO CEILING. COLOR TO BE SELECTED BY VA. ACRYLIC - 2 COATS.
10. ALL OUTSIDE AND INSIDE CORNERS OF WALL TILE SHALL BE STAINLESS STEEL TRIM BASIS OF DESIGN: SCHLUTER TRIM PIECES.
11. ALL TRANSITIONS BETWEEN WALL AND FLOOR TILE SHALL BE STAINLESS STEEL TRIM STRAIGHT, INSIDE AND OUTSIDE CORNERS.
12. ALIGN FLOORING TRANSITIONS WITH FINISH BASE EXCEPT AT DOORS, UNLESS NOTED OTHERWISE.
13. FINISH LEVEL OF GYP. BD. WALLS AND SOFFITS TO BE LEVEL 4, UNLESS NOTED OTHERWISE.
14. ALL PAINTED WALLS TO BE PAINTED P-1, UNLESS NOTED OTHERWISE. BASIS OF DESIGN COLOR: SHERWIN WILLIAMS, NATURAL CHOICE SW7011 OR EQUAL.
15. ALL GYP. BOARD CEILINGS TO BE PAINTED P-1, UNLESS NOTED OTHERWISE.
16. ALL PAINTED SURFACES SHALL RECEIVE A MINIMUM OF (1) ONE BASE COAT AND (2) TWO FINISH COATS.
17. PAINTED SHEEN LEVEL TO BE SATIN/EGG-SHELL FOR ALL WALLS, U.N.O. SHEEN FOR ALL WET AREA WALLS, METAL DOORS AND METAL FRAMES TO BE SEMI-GLOSS.
18. PAINT ALL EXISTING AND NEW HOLLOW METAL DOORS, WINDOWS AND FRAMES IN SCOPE OF WORK URETHANE ALKYD ENAMEL. COLOR TO BE SELECTED BY VA.
19. PAINT ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. WITH PAINT TO MATCH ADJACENT SURFACE.
20. RES-1 - BASIS OF DESIGN, STONHARD, STONETEC, DIABLO BEIGE, OR EQUAL.

## DOOR SCHEDULE

| DOOR   |         |         |        |        | DOOR FRAME |        | HDWR  | REMARKS |
|--------|---------|---------|--------|--------|------------|--------|-------|---------|
| NO.    | WIDTH   | HEIGHT  | THICK  | MAT'L  | MAT'L      | DEPTH  | SET   |         |
| C-411B | 3' - 0" | 7' - 0" | 1 3/4" | WD VNR | HM         | 5 3/4" | SET 2 | NOTE 1  |

### HARDWARE SET 2

|   |                   |                        |        |    |
|---|-------------------|------------------------|--------|----|
| 3 | HINGES            | TA2714                 | 630    | MK |
| 1 | DUST PROOF STRIKE | 570                    | 320    | RO |
| 1 | LOCKSET           | CONTRACTORS DISCRETION | NOTE 2 |    |
| 1 | DOOR CLOSER       | DC621x11               | 689    | CO |
| 1 | GASKETING         | S888 x HEAD & JAMBS    |        | PE |

### NOTES:

1. WOOD VENEER FACE: PREMIUM GRADE, ROTARY CUT, WHITE BIRCH, PRE-FINISH
2. LOCKSET TO RECEIVE BEST CORE 7 PIN SMALL FORMAT CORES.

## ACCESSORY SCHEDULE

| JSN # (Type Mark)            | Quantity | JSN Description                                             | JSN Furniture / Installation | DATA | POWER | MECHANICAL | BLOCKING REQUIRED |
|------------------------------|----------|-------------------------------------------------------------|------------------------------|------|-------|------------|-------------------|
| <b>C-410 WOMENS RESTROOM</b> |          |                                                             |                              |      |       |            |                   |
| A1067                        | 1        | Mirror, Float Glass, ADA Accessible                         | CC                           | No   | No    | No         | Yes               |
| A5075                        | 1        | Dispenser, Soap, Disposable                                 | VC                           | No   | No    | No         | No                |
| A5082                        | 1        | Dispenser, Paper Towel, Surface Mounted, Sensor, Hands Free | VC                           | No   | No    | No         | Yes               |
| A5090                        | 1        | Disposal, Sanitary Napkin, SS, Surface Mounted              | CC                           | No   | No    | No         | Yes               |
| A5109                        | 1        | Grab Bars with Vertical                                     | CC                           | No   | No    | No         | Yes               |
| A5200                        | 1        | Dispenser, Toilet Tissue, SS, 2-Roll, Surface Mntd          | CC                           | No   | No    | No         | Yes               |
| <b>C-411 MENS RESTROOM</b>   |          |                                                             |                              |      |       |            |                   |
| A1067                        | 1        | Mirror, Float Glass, ADA Accessible                         | CC                           | No   | No    | No         | Yes               |
| A5075                        | 1        | Dispenser, Soap, Disposable                                 | VC                           | No   | No    | No         | No                |
| A5082                        | 1        | Dispenser, Paper Towel, Surface Mounted, Sensor, Hands Free | VC                           | No   | No    | No         | Yes               |
| A5109                        | 1        | Grab Bars with Vertical                                     | CC                           | No   | No    | No         | Yes               |
| A5200                        | 1        | Dispenser, Toilet Tissue, SS, 2-Roll, Surface Mntd          | CC                           | No   | No    | No         | Yes               |

CONTRACTOR TO COORDINATE WITH VA STANDARD MODELS, STANDARD MODELS USED BY VA SUPERCEDE.

### ROOM FINISH SCHEDULE

| ROOM NO. | NAME              | FLOOR | BASE   | EAST      | NORTH     | SOUTH     | WEST      | FINISH | WAINSCOT | CEILING | REMARKS |
|----------|-------------------|-------|--------|-----------|-----------|-----------|-----------|--------|----------|---------|---------|
| C-411    | MENS RESTROOM     | RES-1 | RESB-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1   | 6H       | ACT-1   |         |
| C-410    | WOMENS RESTROOM   | RES-1 | RESB-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1/EP-1 | PT-1   | 6H       | ACT-1   |         |
| C-411A   | NURSE CALL CLOSET | EXIST | RB-1   | P-1       | P-1       | P-1       | P-1       | -      | -        | -       |         |

## SHEET NOTES:

- A. ACCESS PANELS ARE NOT PERMITTED IN SOFFITS. CHECK ALL VALVES, FIRE DAMPERS, REHEAT BOXES, ETC. FOR ACCESS POINTS. ARRANGE FIRE AND SMOKE DAMPER ACCESS FROM NON-CORRIDOR SIDE.
- B. LIGHTS, DIFFUSERS, EXIT SIGNAGE, SPRINKLER HEADS, AND SMOKE DETECTORS MUST BE CENTERED IN CEILING PANELS IN WHICH THEY OCCUR.
- C. COORDINATE WITH SEPARATE MECHANICAL AND ELECTRICAL DESIGN PACKAGES FOR CEILING MOUNTED DEVICES.
- D. PAINT CUT EDGES OF ACT TO MATCH CEILING TILE WHERE EXPOSED TO VIEW.
- E. CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.
- F. THERE IS APPROXIMATELY 22 L.F. OF TEMPORARY WALL TO BE CONSTRUCTED IN THIS AREA.

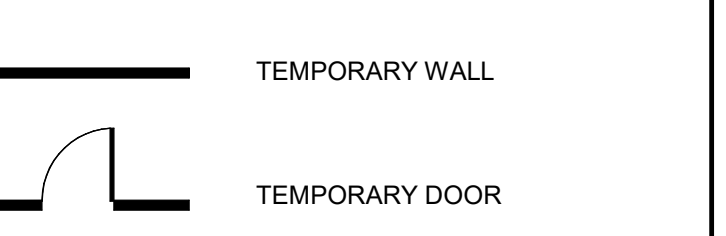
## KEY NOTES:

- 1 DEMOLISH EXISTING SINK
- 2 DEMOLISH EXISTING TOILET
- 3 DEMOLISH EXISTING URINAL
- 4 DEMOLISH EXISTING STALL
- 5 REMOVE EXISTING ACT CEILING, INCLUDING ELEC AND MECH FIXTURES
- 6 DEMOLISH FLOORING AND BASE
- 7 DEMOLISH ALL WALL TILE FROM 4" AFF TO ABOVE CEILING, ALL WALLS
- 8 TEMPORARY BARRIER FROM FLOOR TO TIGHT TO UNDERSIDE OF CEILING. CONTRACTORS DISCRETION. MAY USE WALL SYSTEM (STARC WALLS OR EDGEGLASS OR EQUAL) OR BUILD HARD BARRIERS (METAL STUDS AND 5/8" GYP. BD BOTH SIDES. BARRIERS TO BE AIRTIGHT

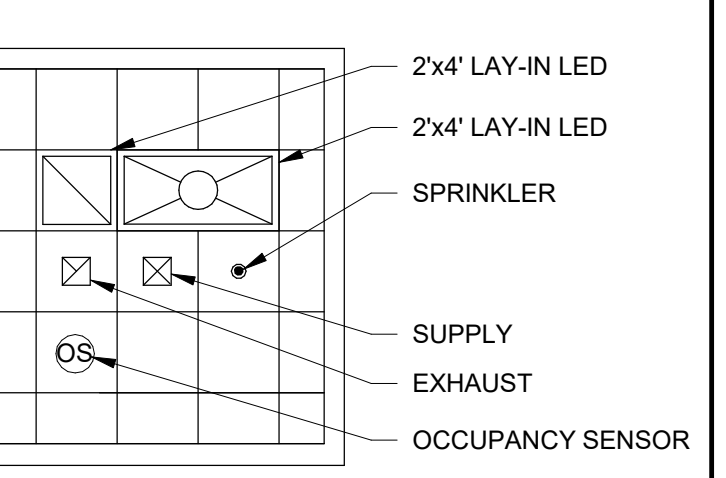
## KEY NOTES:

- 1 NEW SINK
- 2 NEW TOILET
- 3 NEW 2X2' ACT CEILING (ACT-1) BASIS OF DESIGN: ARMSTRONG ULTIMA HEALTH ZONE, SQUARE EDGE, ON 15/16 PRELUDE XL GRID - WH OR EQUAL
- 4 EPOXY PAINT BASIS OF DESIGN COLOR: SHERWIN WILLIAMS, NATURAL CHOICE SW7011 OR EQUAL
- 5 12X24 LARGE FORMAT PORCELAIN TILE (PT-1) RUNNING BOND BASIS OF DESIGN: DAL TILE
- 6 MODERN OASIS MD08, GENTLE RAIN OR EQUAL
- 7 METAL TRIM
- 8 18X18 ACCESS PANEL
- 9 NEW CEILING MOUNTED STAINLESS STEEL TOILET PARTITIONS. BRACING ABOVE CEILING AS PER MANUFACTURER'S REQUIREMENTS. BASIS OF DESIGN: HADRIAN, STAINLESS STEEL, STANDARD OR EQUAL
- 9 PAINT EXISTING DOOR FRAME. COLOR TO BE SELECTED BY VA. URETHANE ALKYD ENAMEL - 2 COATS
- 10 PAINT ALCOVE FROM TOP OF EXISTING BASE TO CEILING. COLOR TO BE SELECTED BY VA. ACRYLIC - 2 COATS
- 11 1/2" PLYWOOD ON INTERIOR FACE OF WALL

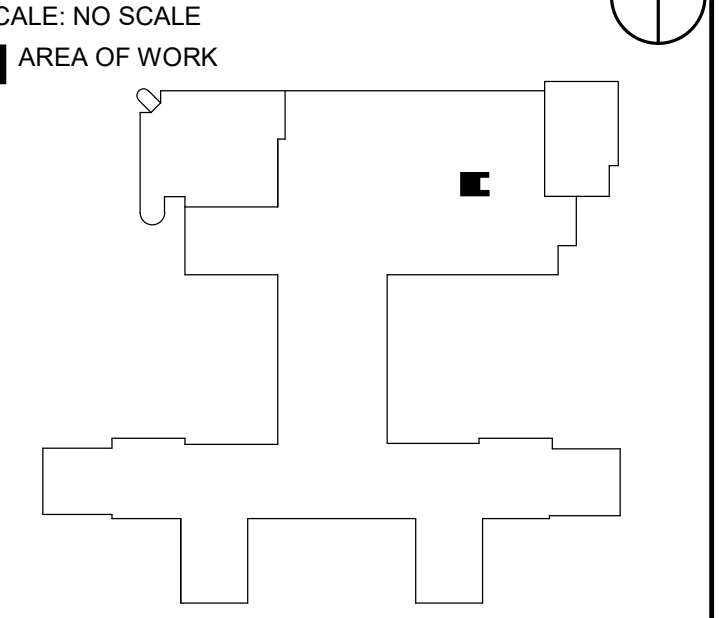
## ICRA LEGEND



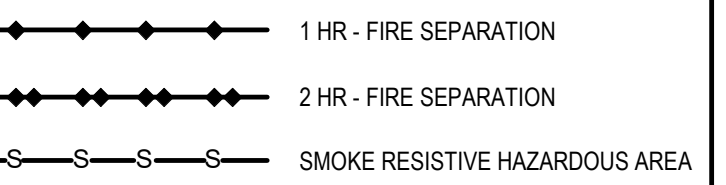
## REFLECTED CEILING PLAN LEGEND



## KEY PLAN



## WALL RATING LEGEND

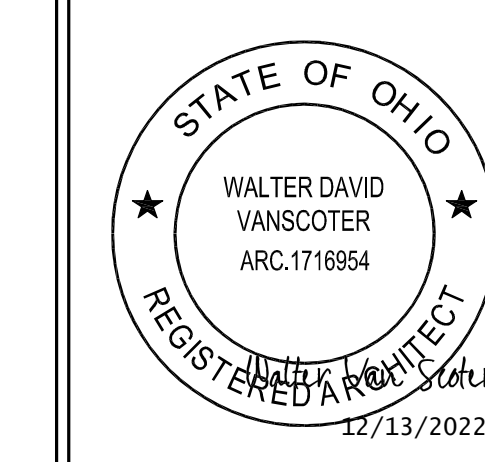
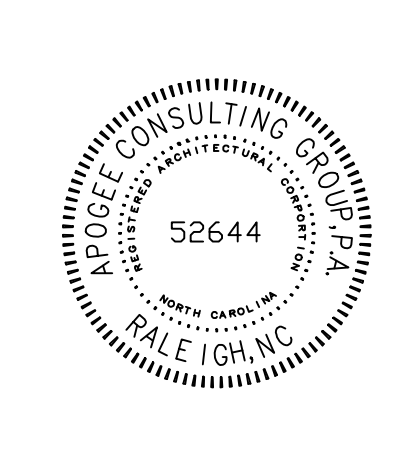


## FULLY SPRINKLERED

## 100% CONSTRUCTION DOCUMENTS

## CONSULTANTS:

| # | Revisions: | Date |
|---|------------|------|
|   |            |      |



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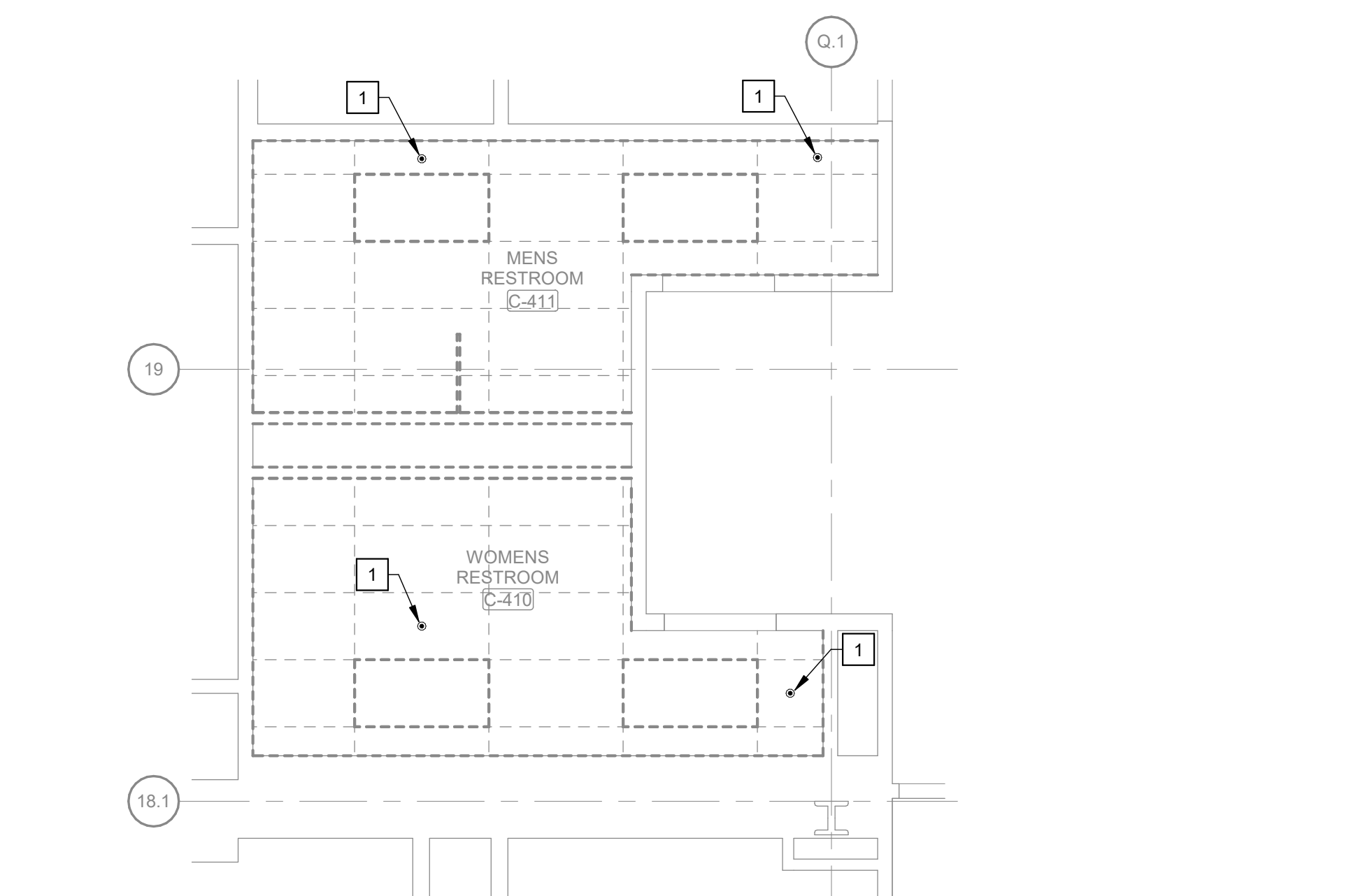
Office of  
Construction  
and Facilities  
Management  
VA U.S. Department  
of Veterans Affairs

Drawing Title  
**RESTROOM ENLARGED PLANS**  
Location  
**ROBLEY REX VA MEDICAL CENTER**  
800 ZORN AVENUE  
LOUISVILLE, KENTUCKY 40206

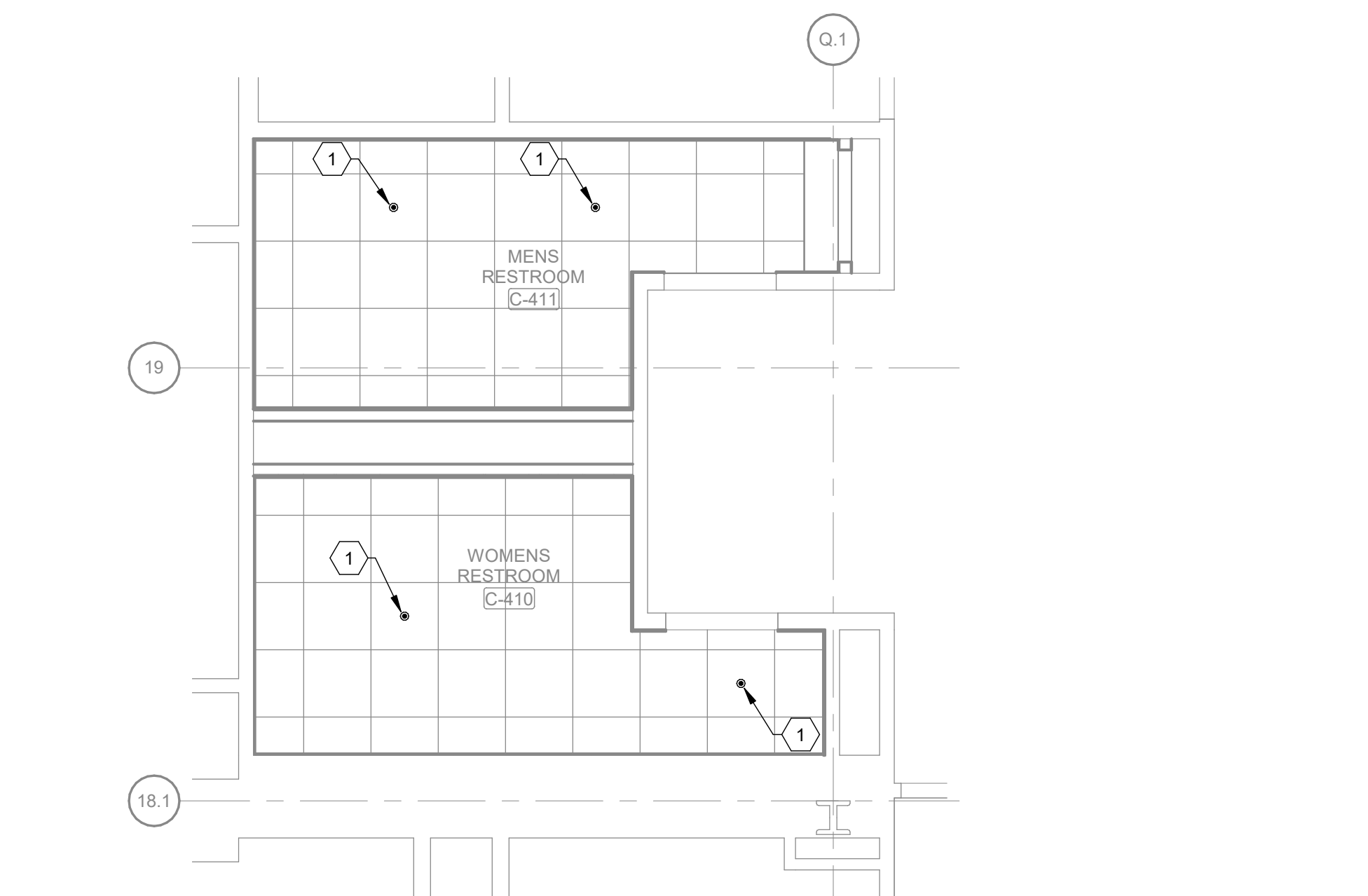
Project Title  
**ASU PACU SAFETY IMPROVEMENTS**  
Approved  
Date  
DECEMBER 14, 2022  
Checked  
WVS  
Drawn  
BLN

VA PROJECT NUMBER  
603-22-601  
Building Number  
# 1  
Drawing Number  
**A-404**  
Dwg 6 of 6

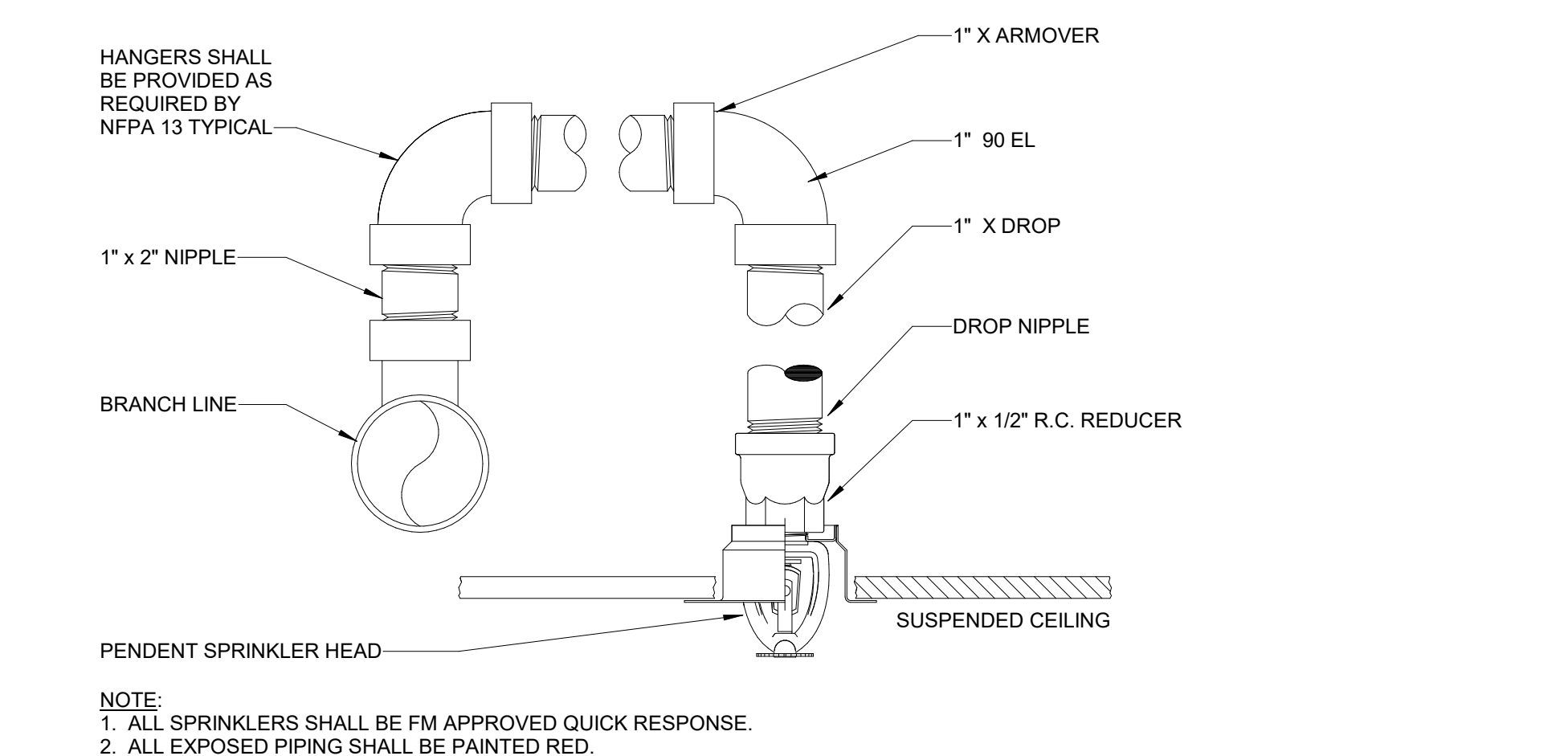




**1 RESTROOM FIRE PROTECTION DEMOLITION PLAN**  
Scale: 1/4" = 1'-0"



**2 RESTROOM FIRE PROTECTION PLAN**  
Scale: 1/4" = 1'-0"



**3 SEMI-RECESSED PENDENT SPRINKLER DETAIL**  
Scale: No Scale

| FIRE SUPPRESSION SYMBOLS & ABBREVIATIONS          |                                  |       |                                         |
|---------------------------------------------------|----------------------------------|-------|-----------------------------------------|
| NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT |                                  |       |                                         |
| —FL—                                              | FIRE LINE                        | FPC   | FIRE PROTECTION CONTRACTOR              |
| —DRAIN—                                           | FIRE DRAIN                       | —BFP— | EXTERIOR ALARM GONG (WATER ACTIVATED)   |
| ○                                                 | UPRIGHT SPRINKLER HEAD           | —BVP— | BACKFLOW PREVENTER                      |
| ●                                                 | SEMI-RECESSED SPRINKLER HEAD     | —CV—  | CHECK VALVE                             |
| ●                                                 | CONCEALED SPRINKLER HEAD         | —GV—  | GATE VALVE                              |
| ●                                                 | PENDANT SPRINKLER HEAD           | —T&D— | TEST AND DRAIN ASSEMBLY                 |
| ◀                                                 | SIDEWALL SPRINKLER HEAD          | —TS—  | TAMPER SWITCH                           |
| —FDC—                                             | FIRE DEPARTMENT CONNECTION (FDC) | —FS—  | FLOW SWITCH                             |
| #                                                 | NEW WORK KEYNOTE                 | —LH—  | LIGHT HAZARD                            |
| #                                                 | DEMOLITION KEYNOTE               | —OH1— | ORDINARY HAZARD GROUP 1 OCCUPANCY       |
| —PNC—                                             | POINT OF NEW CONNECTION          | —OH2— | ORDINARY HAZARD GROUP 2 OCCUPANCY       |
| —LD—                                              | LIMIT OF DEMOLITION              | —DM—  | DETAIL OR SECTION MARK SHOWN ON DRAWING |

| INFECTION CONTROL MEASURES |                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                         | CONTRACTOR SHALL COMPLY WITH THE VA'S INFECTION CONTROL RISK ASSESSMENT REQUIREMENTS AND WRITTEN DUST CONTROL PLAN.                                                                                                                                                                           |
| 2.                         | EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.                                                                                                                                                                                      |
| 3.                         | RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING AIRTIGHT BARRIERS. PROVIDE EXHAUST AIRFLOW IN A MANNER THAT SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE. COORDINATE TEMPORARY BARRIERS WITH INTERIM LIFE SAFETY MEASURES. |
| 4.                         | FIRE PROTECTION SYSTEM REVISIONS SHALL BE PROPERLY PERFORMED TO LIMIT WATERBORNE OPPORTUNISTIC PATHOGENS.                                                                                                                                                                                     |
| 5.                         | CRUCIAL VENTILATION SPECIFICATIONS FOR AIR BALANCE AND FILTRATION SHALL BE VERIFIED BEFORE COR ACCEPTANCE.                                                                                                                                                                                    |

| BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                                                     | DURING THE TIME THAT THE FIRE PROTECTION RENOVATION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS OUT OF COMMISSION, CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ONSITE TO KEEP A "FIRE WATCH" ON THE FACILITY IN ACCORDANCE WITH VA REQUIREMENTS. AN OUT OF SERVICE TAG MUST BE PLACED AT THE FIRE ALARM PANEL AND THE FIRE DEPARTMENT CONNECTION. REFER TO INTERNATIONAL FIRE CODE CHAPTER 9, SECTION 901.7. |
| 2.                                                                     | FIRE WATCH PERSONNEL ARE TO KEEP WATCH FOR FIRES IN THE GENERAL AREA OF PERFORMANCE, THE PERSONS PERFORMING THE FIRE WATCH ARE NOT PERMITTED TO PERFORM ANY OTHER DUTIES.                                                                                                                                                                                                                                                  |
| 3.                                                                     | FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.                                                                                                                                                                                                                                                                                                              |
| 4.                                                                     | THE QUANTITY OF PERSONNEL INVOLVED IN THE FIRE WATCH IS TO BE ADEQUATE SUCH THAT EACH FLOOR, LEVEL, AND ROOM OF THE FIRE AREA IS COVERED.                                                                                                                                                                                                                                                                                  |
| 5.                                                                     | IN AREAS WHERE THE CEILING IS REMOVED, CONTRACTOR SHALL RELOCATE SPRINKLER HEADS TO WITHIN 12" OF THE DECK/CEILING UNTIL CEILING IS INSTALLED.                                                                                                                                                                                                                                                                             |

| FIRE SUPPRESSION DEMOLITION GENERAL NOTES |                                                                                                                                                                                                                       |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                        | LOCATIONS SHOWN FOR EXISTING FIRE PROTECTION PIPE AND EQUIPMENT ARE APPROXIMATE. FIELD VERIFY THE EXACT LOCATIONS OF EXISTING FIRE PROTECTION LINES AND EQUIPMENT INCLUDING RISERS AND VALVES PRIOR TO START OF WORK. |
| 2.                                        | COORDINATE WITH COR FOR ANY SHUTDOWNS OR PLANNED INTERRUPTIONS OF THE FIRE PROTECTION SERVICE. GIVE THE COR THREE (3) DAYS NOTICE PRIOR TO PLANNED SHUTDOWN OR INTERRUPTION.                                          |
| 3.                                        | COORDINATE DEMOLITION OF FIRE PROTECTION PIPING WITH OTHER PIPING WHICH IS NOT TO BE REMOVED. PROTECT OTHER PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT, AND DEBRIS.                                          |
| 4.                                        | FIRE PROTECTION RELATED EQUIPMENT AND PIPING WHICH IS REMOVED FROM THE BUILDING IS TO BE TAKEN OFFSITE AND DISPOSED OF.                                                                                               |
| 5.                                        | REMOVE SPRINKLER MAINS, BRANCHES AND SPRINKLERS BACK TO THE ZONE CONTROL VALVE AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.                                                                                             |

| FIRE SUPPRESSION GENERAL NOTES |                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                             | USE NFPA-13 (CURRENT EDITION), CHAPTER 28, "PLANS AND CALCULATIONS" AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM. |
| 2.                             | COMPLY WITH THE INTERNATIONAL BUILDING CODE (LATEST ADOPTED EDITION). INSTALLATION SHALL COMPLY WITH VA REQUIREMENTS. SYSTEM SHALL ALSO BE IN COMPLIANCE WITH ALL REQUIRED PLUMBING CODES.                                                                                                                                                                              |
| 3.                             | REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULE WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.                            |
| 4.                             | THIS FACILITY IS FULLY SPRINKLERED. FIRE SUPPRESSION SYSTEM SHALL BE WET PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION UNLESS NOTED OTHERWISE. SYSTEM TO BE DESIGNED AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.                                                                                                           |
| 5.                             | SPRINKLER HEAD LAYOUTS INDICATED ARE BASED ON OCCUPANCY HAZARD CLASSIFICATIONS OUTLINED IN NFPA-13 AND VA STANDARDS.                                                                                                                                                                                                                                                    |
| 6.                             | HYDRAULICALLY CALCULATE SPRINKLER IN ACCORDANCE WITH REQUIREMENTS FOR APPROPRIATE HAZARD OCCUPANCY. PROVIDE ACTUAL NUMBER OF HEADS, REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH NFPA AND VA REQUIREMENTS.                                      |
| 7.                             | FIRE PROTECTION CONTRACTOR SHALL OBTAIN FLOW TEST DATA INDICATING THE WATER FLOW, STATIC PRESSURE AVAILABLE WITH NO FLOW, AND RESIDUAL PRESSURE AT FULL FLOW TO THE FACILITY. SUBMIT HYDRAULIC CALCULATIONS AND PLANS RELATED TO A MINIMUM OF 1 REMOTE AREA FOR REVIEW.                                                                                                 |
| 8.                             | PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.                                                      |
| 9.                             | SUPPORT NEW PIPING AND EQUIPMENT FROM STRUCTURE. PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. DESIGN SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.                                                                                                                            |
| 10.                            | PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS IN ACCORDANCE WITH NFPA REQUIREMENTS.                                                                                                                                                                                                                                                                                    |
| 11.                            | CLEAN ENTIRE WORK AREA OF ALL DUST, DIRT, AND OTHER DEBRIS. MAINTAIN WORK AREA IN CLEAN CONDITION.                                                                                                                                                                                                                                                                      |
| 12.                            | PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.                                                                                                                                                                                                                            |
| 13.                            | SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY A PROFESSIONAL ENGINEER.                                                                                                                                       |
| 14.                            | REPAIR OR REPLACE NON-CONFORMING AND INADEQUATE WORK AT NO ADDITIONAL COST TO THE VA.                                                                                                                                                                                                                                                                                   |
| 15.                            | PROVIDE FIRE STOPS / SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE PENETRATIONS ON SPRINKLER LAYOUT SUBMITTAL.                                                                                                                                                                                 |
| 16.                            | FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED AS WORK OF DIVISION 21. PROVIDE WIRING TO FLOW AND TAMPER SWITCHES AS WORK OF DIVISION 26.                                                                                                                                                                                                                   |
| 17.                            | WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED AND TESTED AS WORK OF DIVISION 22. INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS.                                                                                                                                   |
| 18.                            | FURNISH AND INSTALL ARMORER SUPPORTS FOR ALL END OF LINE BRANCH LINES IN ACCORDANCE WITH NFPA-13.                                                                                                                                                                                                                                                                       |
| 19.                            | ALL DROPS TO SPRINKLER HEADS SHALL TEE / ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONNECTION AT TOP OF PIPE.                                                                                                                                                                                    |
| 20.                            | SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN, NOT NECESSARILY IN THE CENTER OF ROOMS OR CORRIDORS. LOCATE CENTERED IN CEILING TILE WHERE POSSIBLE.                                                                                                                                                                                                                 |
| 21.                            | LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN LOCATIONS IN ACCORDANCE WITH NFPA-13.                                                                                                                                                                                                                                                                             |
| 22.                            | FIRE DEPARTMENT CONNECTION SHALL BE LOCATED NOT MORE THAN 100 FEET AWAY FROM THE NEAREST FIRE HYDRANT CONNECTED TO AN APPROVED WATER SUPPLY AND SHALL BE LOCATED NOT LESS THAN 18 INCHES, NOR MORE THAN 48 INCHES ABOVE ADJACENT SURFACE.                                                                                                                               |
| 23.                            | STANDPIPES SHALL BE PROVIDED IN EACH REQUIRED EGRESS STAIRWAY, WITH 4 INCH DIAMETER MINIMUM SIZE.                                                                                                                                                                                                                                                                       |
| 24.                            | CLASS 1 SYSTEM SHALL BE PROVIDED WITH 2 1/2 INCH HOSE CONNECTIONS AT EACH INTERMEDIATE LANDING BETWEEN FLOORS IN EACH REQUIRED EGRESS EXIT STAIRWAY. COORDINATE TYPE OF HOSE CONNECTIONS WITH THE LOCAL FIRE DEPARTMENT.                                                                                                                                                |

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE. PRIOR TO THE START OF WORK, REFER TO THE INTERNATIONAL BUILDING CODE, NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

**SHEET NOTES:**

- A. PROVIDE NEW SPRINKLERS HEADS AS PER NEW LAYOUT.
- B. REUSE EXISTING MAINS. PROVIDE NEW BRANCH PIPING AS REQUIRED FOR NEW LAYOUT.
- C. EXISTING FIRE AND SMOKE ZONES SHALL BE MAINTAINED.
- D. FOR HAZARD CLASSIFICATION, REFER TO SPECIFICATIONS.

**KEY NOTES:**

- 1 REMOVE EXISTING SPRINKLER HEADS.

**KEY NOTES:**

- 1 PROVIDE NEW PENDANT TYPE SEMI-RECESSED SPRINKLER HEAD.

**KEY PLAN**

SCALE: NO SCALE

■ AREA OF WORK

**WALL RATING LEGEND**

- 1 HR - FIRE SEPARATION
- 2 HR - FIRE SEPARATION
- SMOKE RESISTIVE HAZARDOUS AREA

FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

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| PLUMBING SYMBOLS & ABBREVIATIONS |                                                                     |        |                                   |       |                                   |
|----------------------------------|---------------------------------------------------------------------|--------|-----------------------------------|-------|-----------------------------------|
| ANNOTATION ABBREVIATIONS         |                                                                     |        |                                   |       |                                   |
| A/E                              | ARCHITECT/ENGINEER                                                  | F      | FAHRENHEIT                        | O2    | OXYGEN                            |
| AC                               | ABOVE CEILING                                                       | FA     | FROM ABOVE                        | OC    | ON CENTER                         |
| AD                               | AREA DRAIN                                                          | FB     | FROM BELOW                        | OD    | OUTSIDE DIAMETER                  |
| AFF                              | ABOVE FINISHED FLOOR                                                | FBO    | FURNISHED BY OTHERS               | OFD   | OVERFLOW DRAIN                    |
| AG                               | AIR GAP                                                             | FCO    | FLOOR CLEANOUT                    | OR    | OPERATING ROOM                    |
| AP                               | ACCESS PANEL                                                        | FCW    | FILTERED COLD WATER               | OVFL  | OVERFLOW                          |
| AS                               | AUTOMATIC SPRINKLER                                                 | FD     | FLOOR DRAIN                       |       |                                   |
| AFG                              | ABOVE FINISHED GRADE                                                | FDC    | FIRE DEPARTMENT (HOSE) CONNECTION | PA    | PASCAL                            |
| ASD                              | ADJUSTABLE SPEED DRIVE                                              |        |                                   | PC    | PLUMBING CONTRACTOR               |
| ASHRAE                           | AMERICAN SOCIETY HEATING, REFRIGERATING, AIR CONDITIONING ENGINEERS | FM     | FLOW METER                        | PD    | PRESSURE DROP                     |
|                                  |                                                                     | FOP    | FUEL OIL PUMP                     | PDI   | PLUMBING AND DRAINAGE INSTITUTE   |
| ASME                             | AMERICAN SOCIETY OF MECHANICAL ENGINEERS                            | FOR    | FUEL OIL RETURN                   | PG    | PRESSURE GAUGE                    |
|                                  |                                                                     | FOS    | FUEL OIL SUPPLY                   | PP    | PLUMBING PUMP                     |
| ASPE                             | AMERICAN SOCIETY PLUMBING ENGINEERS                                 | FOV    | FUEL OIL VENT                     | PPM   | PARTS PER MILLION                 |
|                                  |                                                                     | FS     | FLOOR SINK                        | PRS   | PRESSURE REDUCING STATION         |
| ASR                              | AUTOMATIC SPRINKLER RISER                                           | FU     | FIXTURE UNITS                     | PRV   | PRESSURE REDUCING VALVE           |
| AV                               | ACID VENT                                                           |        |                                   | PSI   | POUNDS PER SQUARE INCH - GAUGE    |
| AW                               | ACID WASTE                                                          | G      | GALLON                            | PSIA  | POUNDS PER SQUARE INCH - ABSOLUTE |
|                                  |                                                                     | GC     | GENERAL CONTRACTOR                | PSIG  | POUNDS PER SQUARE INCH - GAUGE    |
| BAS                              | BUILDING AUTOMATION SYSTEM                                          | GCO    | GRADE CLEANOUTS                   | PTRV  | PRESSURE TEMPERATURE RELIEF VALVE |
| BF                               | BELOW FLOOR                                                         | GD     | GARBAGE DISPOSAL                  |       |                                   |
| BFP                              | BACKFLOW PREVENTER                                                  | GPD    | GALLONS PER DAY                   | PW    | POTABLE WATER                     |
| BG                               | BELOW GRADE                                                         | GPH    | GALLONS PER HOUR                  |       |                                   |
| BH                               | BOOSTER HEATER                                                      | GPM    | GALLONS PER MINUTE                | RD    | ROOF DRAIN                        |
| BHP                              | BREAK HORSEPOWER                                                    | GPR    | GAS PRESSURE REGULATOR            | RDL   | ROOF DRAIN LEADER                 |
| BJ                               | BETWEEN JOISTS                                                      | GRS    | GAS REGULATOR STATION             | RL    | ROOF LEADER                       |
| BOF                              | BOTTOM OF PIPE                                                      | GT     | GREASE TRAP                       | RO    | REVERSE OSMOSIS                   |
| BOP                              | BLACK STEEL PIPE                                                    | GVTR   | GAS VENT THROUGH ROOF             | RWL   | RAIN WATER LEADER                 |
| BSP                              | BATHTUB                                                             | GW     | GAS FIRED WATER HEATER            |       |                                   |
| BTUH                             | BRITISH THERMAL UNITS PER HOUR                                      | H&CW   | HOT AND COLD WATER                | SAN   | SANITARY SEWER                    |
|                                  |                                                                     | HB     | HOSE BIBB (INTERIOR)              | SCFM  | STANDARD CUBIC FOOT/MIN           |
| C                                | CELSIUS                                                             | HD     | HUB DRAIN                         | SCW   | SOFTENED COLD WATER               |
| CF                               | COMBINATION FIXTURE                                                 | HEX    | HEAT EXCHANGER                    | SDMH  | STORM DRAIN MANHOLE               |
| CGA                              | COMPRESSED GAS ASSOCIATION                                          | HP     | HORSEPOWER                        | SP    | SUMP PUMP                         |
| CI                               | CAST IRON                                                           | HS     | HAND SINK                         | SPR   | SPRINKLER LINE                    |
| CO                               | CLEANOUT                                                            | HST    | HOT WATER STORAGE TANK (DOMESTIC) | SQFT  | SQUARE FOOT                       |
| COND                             | CONDENSATE                                                          | HWB    | HOT WATER BOILER                  | SS    | STAINLESS STEEL                   |
| CP                               | CONDENSATE PUMP                                                     | HWCP   | HOT WATER CIRCULATING PUMP        | ST    | STORAGE TANK                      |
| CS                               | CLINICAL SINK                                                       | HWP    | HOT WATER PUMP                    | SW    | STORM WATER                       |
| CV                               | CONTROL VALVE                                                       | HYD    | HYDRANT                           | TCV   | TEMPERATURE CONTROL VALVE         |
|                                  |                                                                     |        |                                   | TD    | TRENCH DRAIN                      |
| DA                               | DENTAL COMPRESSED AIR                                               | ICW    | INDUSTRIAL COLD WATER             | TDH   | TOTAL DYNAMIC HEAD                |
| DCW                              | DOMESTIC COLD WATER                                                 | INV    | INVERT                            | TDL   | TEMPERATURE DIFFERENTIAL          |
| DHW                              | DOMESTIC HOT WATER                                                  | IPC    | INTERNATIONAL PLUMBING CODE       | TEMP  | TEMPERATURE                       |
| DHWR                             | DOMESTIC HOT WATER RETURN                                           | IRW    | IRRIGATION WATER                  | TMV   | THERMOSTATIC MIXING VALVE         |
| DHWS                             | DOMESTIC HOT WATER SUPPLY                                           | IW     | INDIRECT WASTE                    | TP    | TRAP PRIMER                       |
| DF                               | DRINKING FOUNTAIN                                                   | IWH    | INSTANTANEOUS WATER HEATER        | TSTAT | THERMOSTAT                        |
| DI                               | DEIONIZED WATER                                                     | IWR    | INDUSTRIAL WATER RETURN           | TWR   | TEMPERED WATER RETURN             |
| DDE                              | DEPARTMENT OF ENERGY                                                | IWS    | INDUSTRIAL WATER SUPPLY           | TWS   | TEMPERED WATER SUPPLY             |
| DS                               | DOWNSPOUT                                                           |        |                                   | TYP   | TYPICAL                           |
| DV                               | DENTAL VACUUM                                                       | KW     | KILOWATT                          | UPC   | UNIFORM PLUMBING CODE             |
| DW                               | DISHWASHER                                                          | KWHR   | KILOWATT-HOUR                     |       |                                   |
| DWG                              | DRAWING                                                             |        |                                   | V     | SANITARY VENT                     |
| DWH                              | DOMESTIC WATER HEATER                                               | L/S    | LITER PER SECOND                  | VAC   | VACUUM                            |
| DWR                              | DRINKING WATER RETURN                                               | LA     | LABORATORY AIR                    | VB    | VACUUM BREAKER                    |
| DWS                              | DRINKING WATER SUPPLY                                               | LAV    | LAVATORY                          | VCO   | VACUUM CLEANER OUTLET             |
| DWV                              | DRAIN WASTE VENT                                                    | LBS/HR | POUNDS PER HOUR                   | VP    | VACUUM PUMP                       |
|                                  |                                                                     | LCW    | LABORATORY COLD WATER             | VST   | VENT STACK                        |
| EC                               | ELECTRICAL CONTRACTOR                                               | LHW    | LABORATORY HOT WATER              | VTR   | VENT THROUGH ROOF                 |
| EL                               | ELEVATION                                                           | LNG    | LIQUID NATURAL GAS                |       |                                   |
| EMCS                             | ENERGY MONOSERRAT AND CENTRAL SYSTEM                                | LOX    | LIQUID OXYGEN                     | W     | WASTE                             |
|                                  |                                                                     | LV     | LABORATORY VACUUM                 | WC    | WATER CLOSET                      |
| EPA                              | ENVIRONMENTAL PROTECTION AGENCY                                     |        |                                   | WCO   | WALL CLEANOUT                     |
| EPACT                            | ENERGY POLICY ACT                                                   | M      | METER                             | WG    | WATER GAUGE                       |
| ESC                              | ESCUTCHEON                                                          | MA     | MEDICAL AIR                       | WH    | WATER HEATER                      |
| ESH                              | EMERGENCY SHOWER                                                    | MAV    | MANUAL AIR VENT                   | WHA   | WATER HAMMER ARRESTOR             |
| ET                               | EXPANSION TANK                                                      | MBH    | THOUSANDS OF BTU PER HOUR         | WHD   | WALL HYDRANT                      |
| EWC                              | ELECTRIC WATER COOLER                                               | MC     | MECHANICAL CONTRACTOR             | WL    | WATER LINE                        |
| EW                               | ELECTRIC WATER HEATER                                               | MED    | MEDICAL                           | WM    | WATER METER                       |
| EWS                              | EYEWASH STATION                                                     | MER    | MECHANICAL EQUIPMENT ROOM         | WPD   | WATER PRESSURE DROP               |
| EX                               | EXISTING                                                            | MH     | MANHOLE                           | WS    | WASTE STACK                       |
|                                  |                                                                     | MOU    | MEMORANDUM OF UNDERSTANDING       |       |                                   |
|                                  |                                                                     | MOP    | MOP SINK BASIN                    | YCO   | YARD CLEANOUT                     |
|                                  |                                                                     | MV     | MEDICAL VACUUM                    | YH    | YARD HYDRANT                      |
|                                  |                                                                     |        |                                   |       |                                   |
|                                  |                                                                     | N2     | NITROGEN                          |       |                                   |
|                                  |                                                                     | NZO    | NITROUS OXIDE                     |       |                                   |
|                                  |                                                                     | NC     | NORMALLY CLOSED                   |       |                                   |
|                                  |                                                                     | NG     | NATURAL GAS                       |       |                                   |
|                                  |                                                                     | NIC    | NOT IN CONTRACT                   |       |                                   |
|                                  |                                                                     | NO     | NORMALLY OPEN                     |       |                                   |
|                                  |                                                                     | NOM    | NOMINAL                           |       |                                   |
|                                  |                                                                     | NPW    | NON POTABLE WATER                 |       |                                   |
|                                  |                                                                     | NTS    | NOT TO SCALE                      |       |                                   |

| PLUMBING SYMBOLS |                                 |
|------------------|---------------------------------|
|                  | PIPE SLOPE ARROW                |
|                  | FLOW ARROW                      |
|                  | CONCENTRIC REDUCER              |
|                  | ECCENTRIC REDUCER               |
|                  | 3-WAY CONTROL VALVE             |
|                  | ANGLE GATE VALVE                |
|                  | ANGLE GLOBE VALVE               |
|                  | BALL VALVE                      |
|                  | BUTTERFLY VALVE                 |
|                  | CHECK VALVE                     |
|                  | CIRCUIT SETTER                  |
|                  | CONTROL VALVE                   |
|                  | GATE VALVE                      |
|                  | GLOBE VALVE                     |
|                  | PLUG VALVE                      |
|                  | PRESSURE REDUCING VALVE (WATER) |
|                  | PRESSURE REGULATOR (GAS)        |
|                  | SAFETY RELIEF VALVE             |
|                  | TWO POSITION CONTROL VALVE      |
|                  | BACKFLOW PREVENTER              |
|                  | HOSE BIBB / SILLCOCK            |
|                  | AUTOMATIC AIR VENT              |
|                  | PRESSURE GAUGE                  |
|                  | THERMOMETER                     |
|                  | FLOW SWITCH                     |
|                  | PRESSURE SWITCH                 |
|                  | TEMPERATURE SWITCH              |
|                  | PIPE UNION                      |
|                  | WYE STRAINER                    |
|                  | WYE STRAINER W/DRAIN VALVE      |
|                  | PUMP                            |
|                  | FLOOR DRAIN - ROUND OR SQUARE   |
|                  | FLOOR CLEANOUT                  |
|                  | SUSPENDED CLEANOUT              |
|                  | WALL CLEANOUT                   |
|                  | PIPE CAP                        |
|                  | PIPE TURNING DOWN               |
|                  | PIPE TURNING UP                 |
|                  | TEE UP                          |
|                  | TEE DOWN                        |
|                  | DROP AND RUN                    |
|                  | DROP AND TURN                   |
|                  | TEE OFF TOP                     |
|                  | TEE OFF BOTTOM                  |
|                  | CROSS AND RISER                 |
|                  | PLAN 90° ELBOW                  |
|                  | PIPE TEE                        |
|                  | FLEXIBLE PIPE CONNECTOR         |
|                  | PIPE ANCHOR                     |
|                  | PIPE GUIDES                     |
|                  | WATER METER                     |

| PLUMBING SYMBOLS |                                         |
|------------------|-----------------------------------------|
| PIPING SYSTEM    |                                         |
|                  | AW ACID WASTE                           |
|                  | CA COMPRESSED AIR                       |
|                  | CD CONDENSATE DRAIN                     |
|                  | CO2 CARBON DIOXIDE                      |
|                  | NG NATURAL GAS                          |
|                  | GW GREASE WASTE                         |
|                  | MA MEDICAL AIR                          |
|                  | N2 NITROGEN                             |
|                  | N2O NITROUS OXIDE                       |
|                  | OFD OVERFLOW STORM DRAIN                |
|                  | OW OIL WASTE                            |
|                  | O2 OXYGEN                               |
|                  | PD PUMP DISCHARGE                       |
|                  | PG PROPANE GAS                          |
|                  | ST STORM                                |
|                  | VAC VACUUM                              |
|                  | WAGD WASTE ANESTHETIC GAS DISPOSAL      |
|                  | SAN SANITARY WASTE                      |
|                  | AV ACID VENT                            |
|                  | OV OIL VENT                             |
|                  | V SANITARY VENT                         |
|                  | DCW DOMESTIC COLD WATER                 |
|                  | DI DE-IONIZED WATER                     |
|                  | NPCW NONPOTABLE COLD WATER              |
|                  | RO REVERSE OSMOSIS WATER                |
|                  | SCW SOFTENED COLD WATER                 |
|                  | DHW DOMESTIC HOT WATER                  |
|                  | DHW 140 DOMESTIC HOT WATER (OTHER TEMP) |
|                  | DCWR DOMESTIC CW RECIRCULATION          |
|                  | DHW R DOMESTIC HW RECIRCULATION         |

| PLUMBING DEMOLITION GENERAL NOTES |                                                                                                                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                | VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.                                                                           |
| 2.                                | REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNTIL COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK. |
| 3.                                | DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.                                                                                                                                        |
| 4.                                | VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.        |
| 5.                                | AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.                                                                                            |
| 6.                                | COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.                                                                                         |
| 7.                                | PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.                                                          |
| 8.                                | TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.                                                                                                          |
| 9.                                | SAWCUT CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW PLUMBING WORK AND WORK OF OTHER TRADES.                                                              |

| PLUMBING GENERAL NOTES |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                     | WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.                                                                                                                                                                 |
| 2.                     | INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.                                                                                                                                                                                   |
| 3.                     | OBTAIN AND PAY FOR PERMITS, FEES, AND INSPECTIONS REQUIRED FOR THIS WORK.                                                                                                                                                                                      |
| 4.                     | PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.                                                                                                                                         |
| 5.                     | EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS ARE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR. |
| 6.                     | INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.                                                                                                                        |
| 7.                     | AT EACH PLUMBING FIXTURE, PROVIDE A PISTON TYPE WATER HAMMER ARRESTOR SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.                                                                                                                                       |
| 8.                     | SANITARY DRAINAGE PIPING INDICATED IS LOCATED BELOW FLOOR SLAB OR WITHIN WALLS UNLESS NOTED OTHERWISE. SANITARY VENT PIPING INDICATED IS ABOVE THE CEILING OR WITHIN WALLS UNLESS NOTED OTHERWISE.                                                             |
| 9.                     | SUPPORT PIPING SYSTEM AS REQUIRED BY APPLICABLE LOCAL, STATE, AND NATIONAL CODES ALONG WITH SPECIFICATIONS, VA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.                                                                                                   |
| 10.                    | FIRESTOP AND SEAL PIPING PENETRATIONS THROUGH WALLS AND FLOORS EQUAL TO THE RATING OF WALLS AND FLOORS.                                                                                                                                                        |
| 11.                    | TEST PLUMBING SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND APPLICABLE VA STANDARDS.                                                                                                                                                |
| 12.                    | COORDINATE PLUMBING PIPING WITH WORK OF OTHER DISCIPLINES.                                                                                                                                                                                                     |
| 13.                    | DISINFECT DOMESTIC WATER SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.                                                                                                                                    |
| 14.                    | PROVIDE SHUT OFF VALVES AT BRANCH PIPING TO FIXTURES.                                                                                                                                                                                                          |
| 15.                    | COORDINATE PLUMBING WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. COORDINATE ROUTING OF PIPING WITH EXISTING CONDITIONS.                                                                                                                                   |
| 16.                    | PROVIDE ALL NECESSARY OFFSETS, TEES, ELBOWS, ETC. FOR A COMPLETE AND COORDINATED WORKING PLUMBING SYSTEM. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.                                                 |
| 17.                    | CONTRACTOR SHALL COORDINATE ANY PLUMBING SYSTEM REQUIRED SHUTDOWN WITH THE COR 2 WEEK IN ADVANCE AND CONFIRM 48 HOURS PRIOR.                                                                                                                                   |
| 18.                    | PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH PLUMBING WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.                                                                                                                                      |
| 19.                    | INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.                                                                                                                                                                       |
| 20.                    | DO NOT INSTALL PIPES ABOVE TELECOM OR ELECTRICAL EQUIPMENT.                                                                                                                                                                                                    |

| ANNOTATION SYMBOLS |                                           |
|--------------------|-------------------------------------------|
|                    | NEW WORK KEYNOTE                          |
|                    | DEMOLITION KEYNOTE                        |
|                    | BOLD TEXT INDICATES NEW ITEM              |
|                    | ITALICIZED TEXT INDICATES EXISTING ITEM   |
|                    | DETAIL MODULE NUMBER                      |
|                    | DETAIL OR SECTION MARK - SHOWN ON DRAWING |
|                    | CONNECT TO EXISTING                       |
|                    | LIMIT OF DEMOLITION                       |
|                    | NEW PLUMBING EQUIPMENT MARK               |
|                    | EXISTING PLUMBING EQUIPMENT MARK          |

| PLUMBING FIXTURE SCHEDULE |                                               |          |            |           |            |           |                     |                 |                                               |
|---------------------------|-----------------------------------------------|----------|------------|-----------|------------|-----------|---------------------|-----------------|-----------------------------------------------|
| MARK                      | DESCRIPTION                                   | QUANTITY | WASTE PIPE | VENT PIPE | COLD WATER | HOT WATER | WRIST BLADE HANDLES | ELECTRIC SENSOR | REMARKS                                       |
| P-103                     | WATER CLOSET, FLUSH VALVE, WALL MOUNT, PUBLIC | 2        | 4"         | 2"        | 1"         | -         | -                   | YES             | WATER CLOSET, FLUSH VALVE, WALL MOUNT, PUBLIC |
| P-416                     | LAVATORY, WALL MOUNT, SENSOR, PUBLIC          | 2        | 1 1/2"     | 1 1/2"    | 3/4"       | 3/4"      | NO                  | YES             | LAVATORY, WALL MOUNT, SENSOR, PUBLIC          |
| P-804                     | HOSE BIBB                                     | 2        | -          | -         | 3/4"       | -         | -                   | -               | HOSE BIBB                                     |

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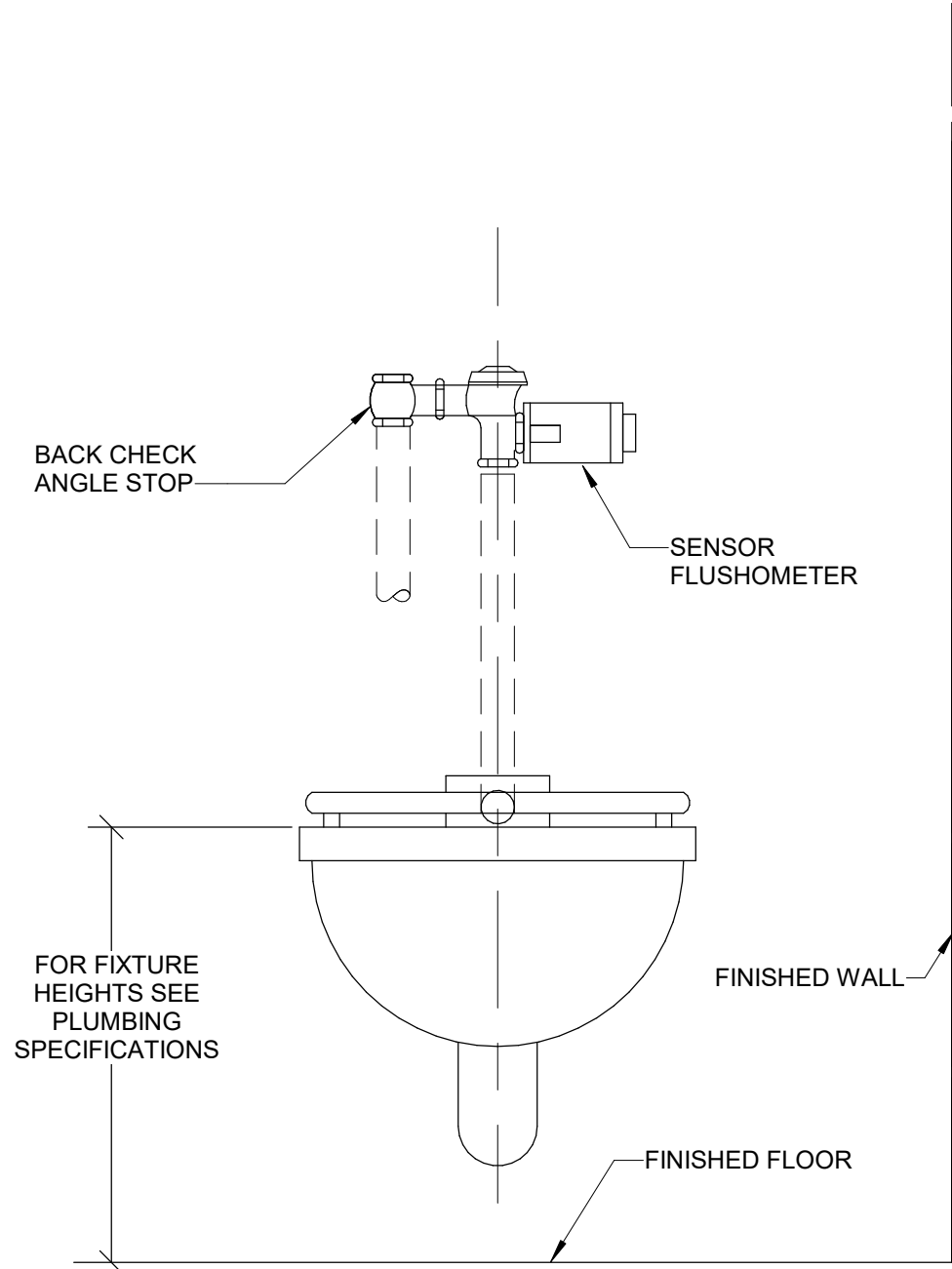


Engineers | Architects

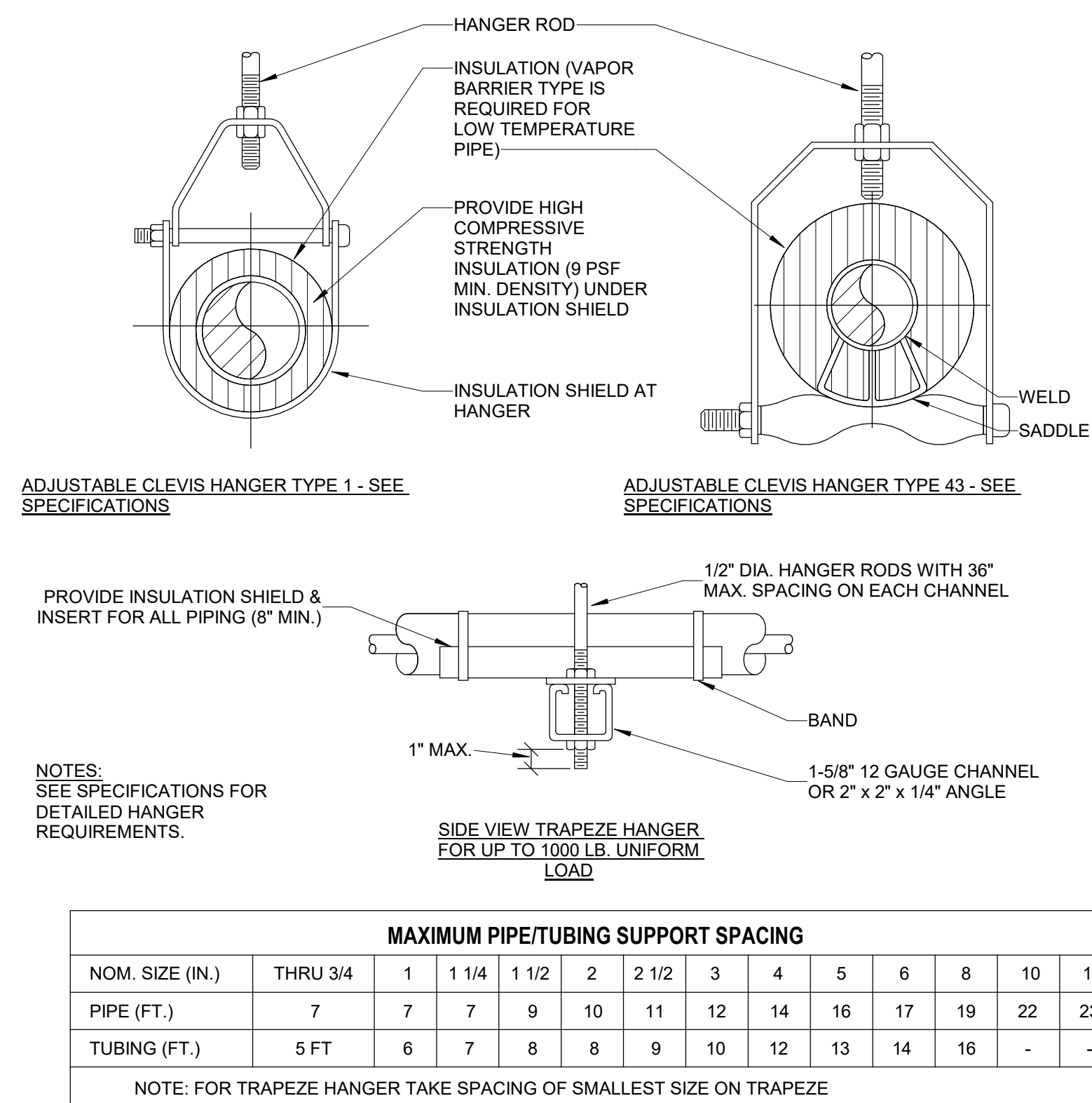
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FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

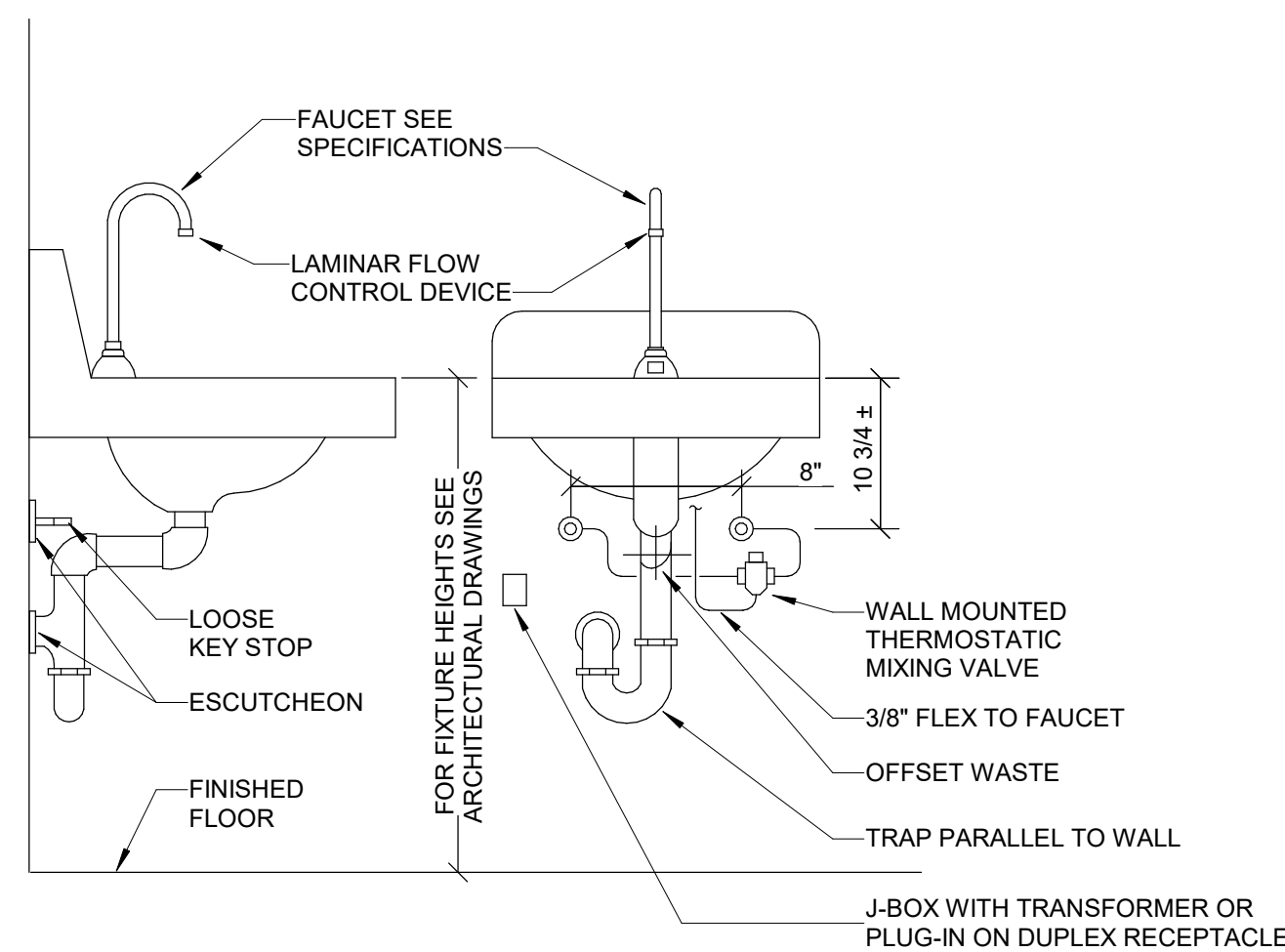




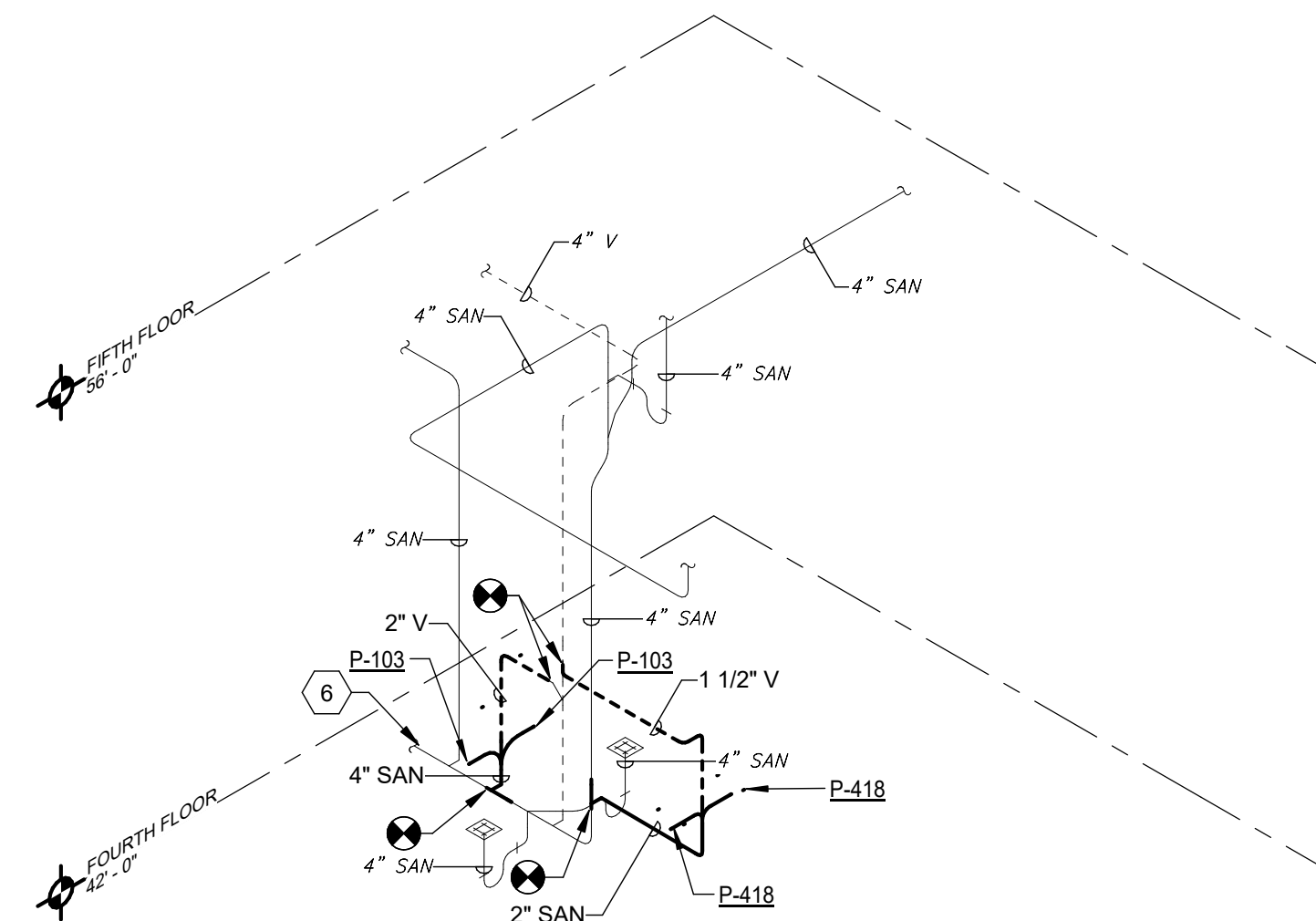
7 WATER CLOSET WALL HUNG - SENSOR OPERATED DETAIL  
Scale: No Scale



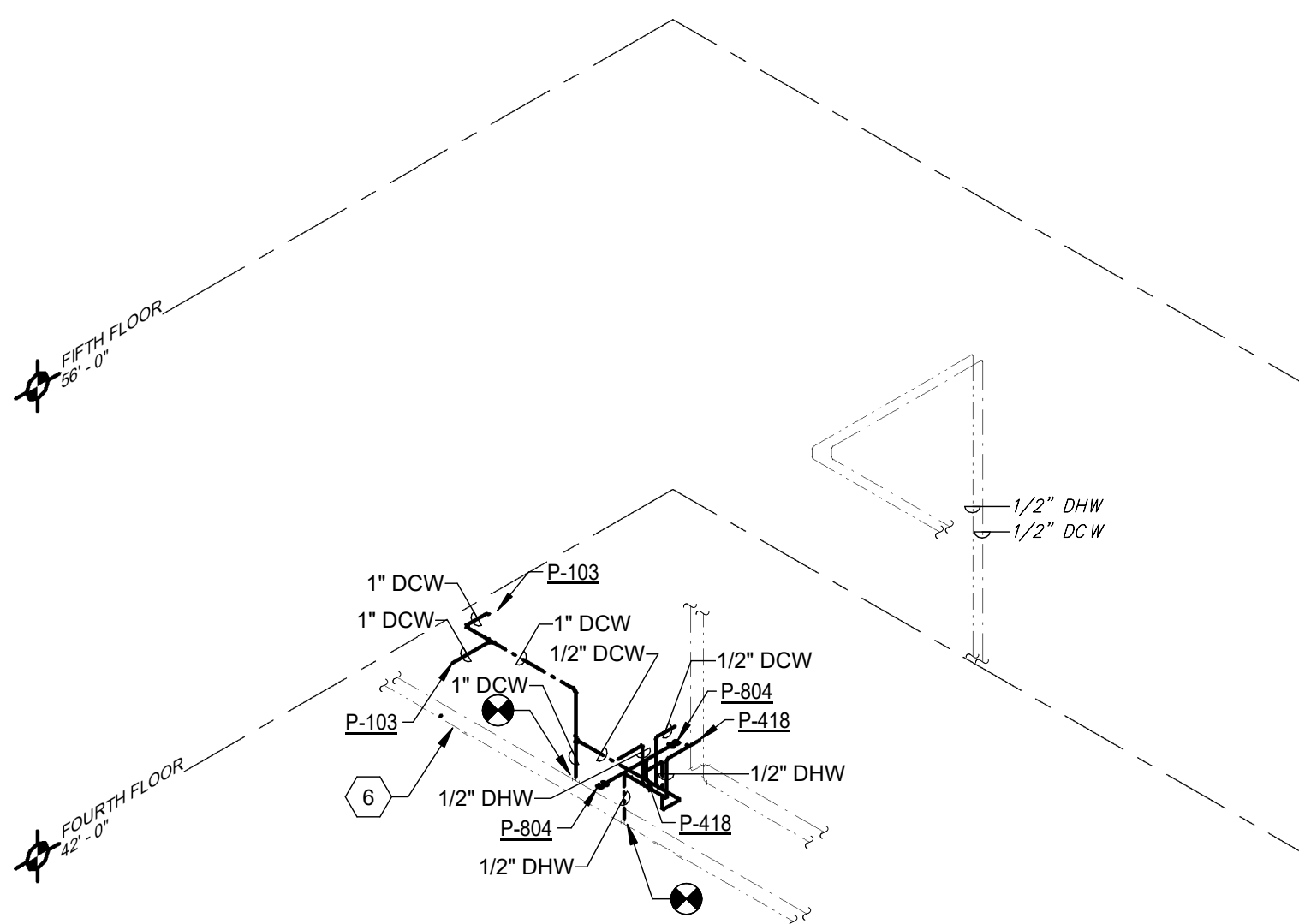
8 PIPE HANGER DETAIL  
Scale: No Scale



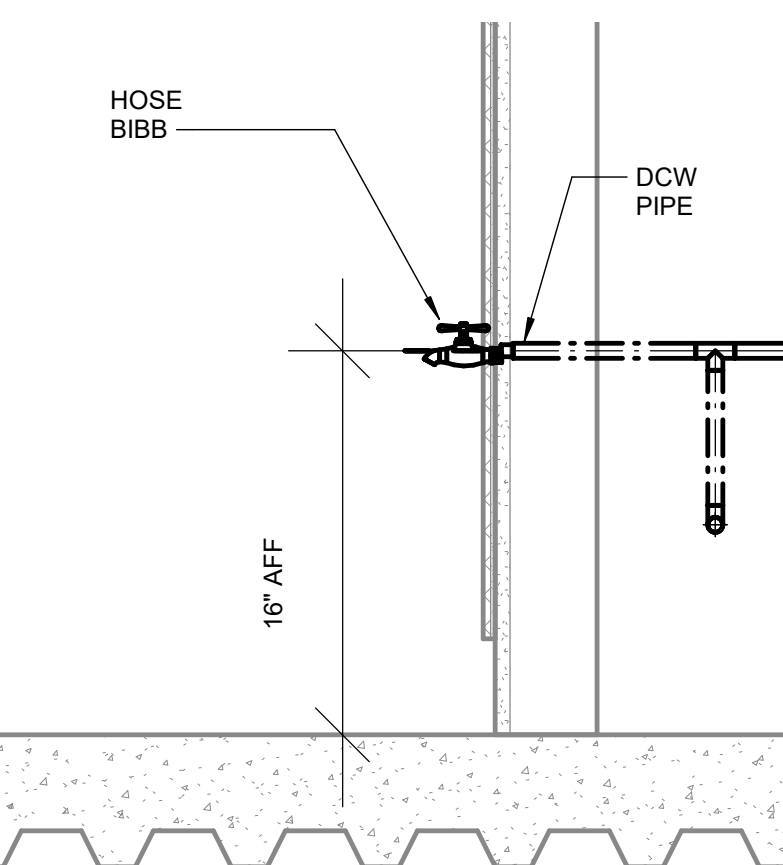
9 LAVATORY WALL HUNG - SENSOR OPERATED FAUCET DETAIL  
Scale: No Scale



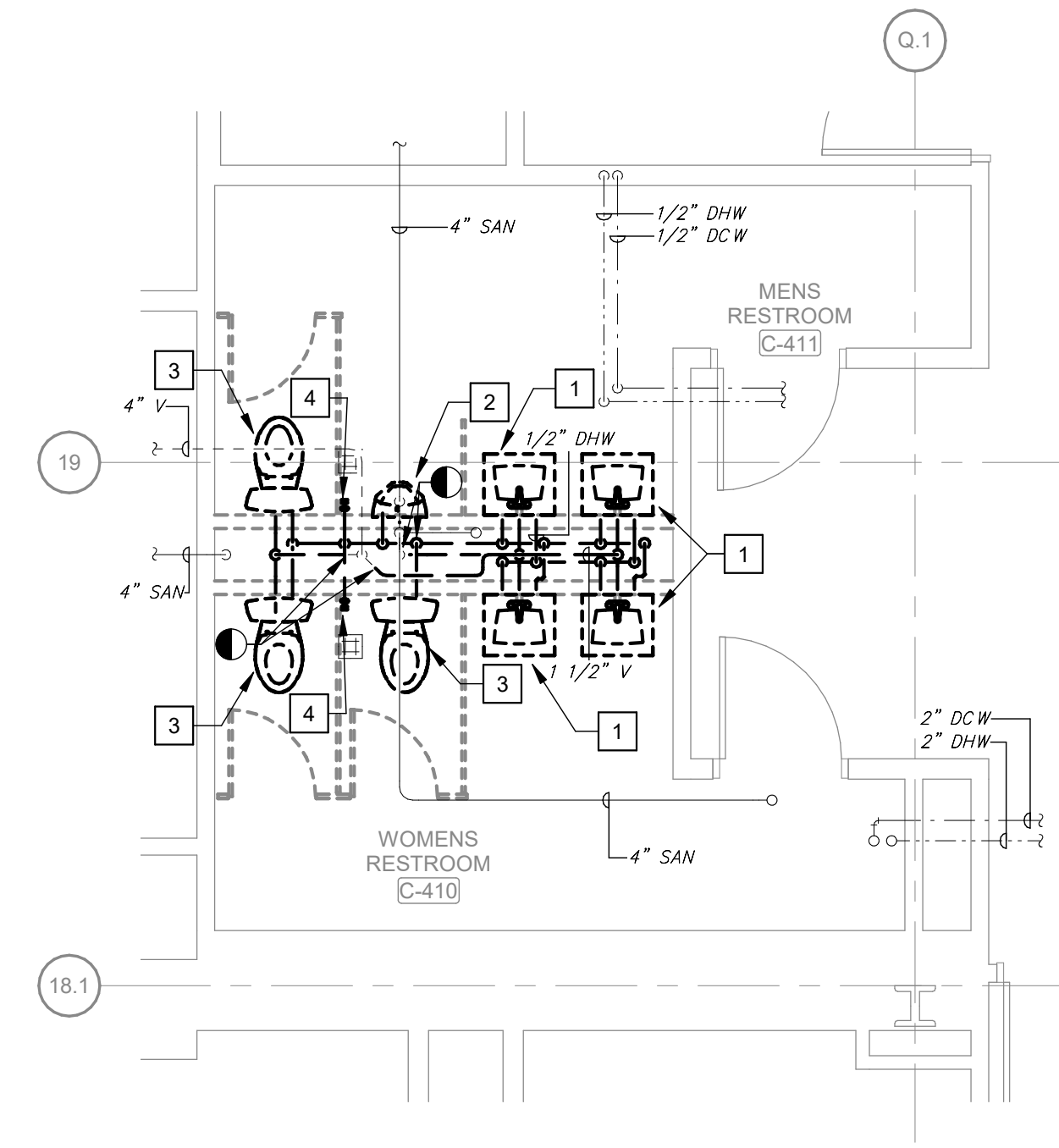
4 RESTROOM DRAIN, WASTE, AND VENT RISER DIAGRAM  
Scale: No Scale



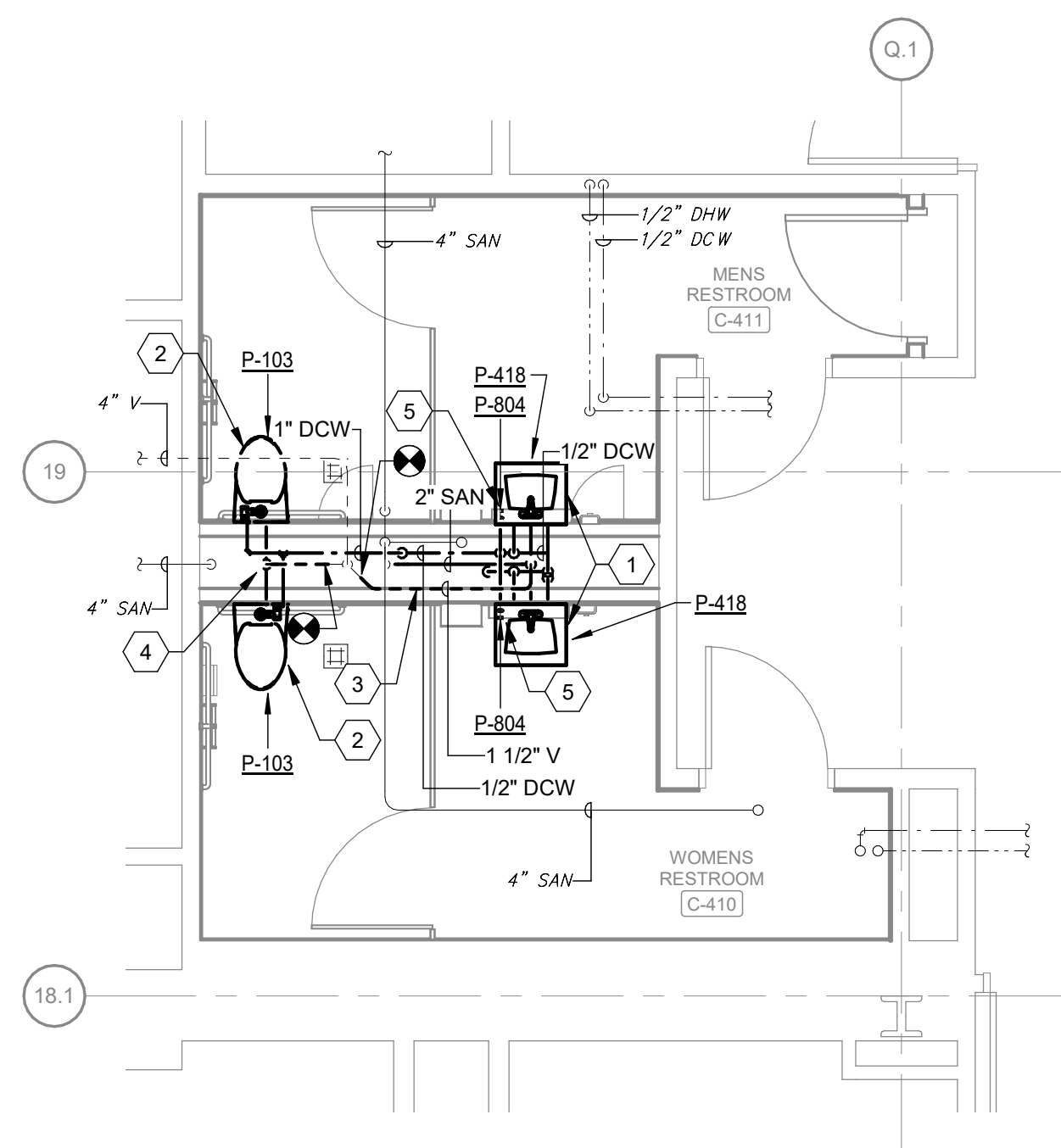
5 RESTROOM DOMESTIC WATER RISER DIAGRAM  
Scale: No Scale



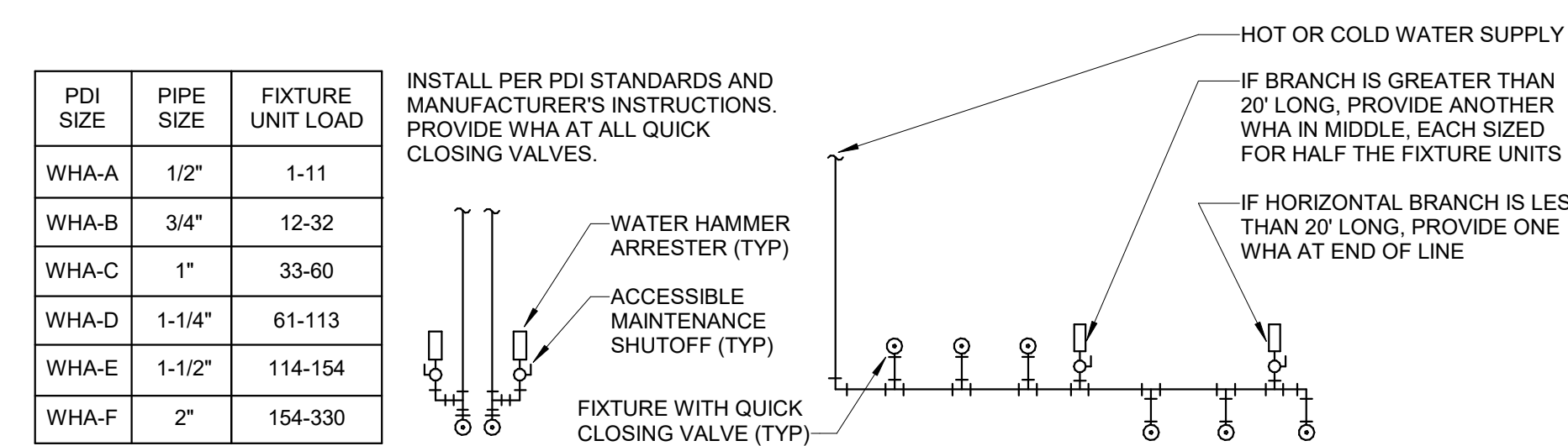
6 HOSE BIBB DETAIL  
Scale: No Scale



1 RESTROOM PLUMBING DEMOLITION PLAN  
Scale: 1/4" = 1'-0"



2 RESTROOM PLUMBING PLAN  
Scale: 1/4" = 1'-0"



3 WATER HAMMER ARRESTOR DETAIL  
Scale: No Scale

SHEET NOTES:

- DEMOLITION WORK SHALL BE PERFORMED SUCH THAT ALL PIPES, HANGERS, SUPPORTS, AND VALVES IN SCOPE ARE REMOVED COMPLETELY TO MAINS. REMOVE ALL ITEMS TO ENSURE NOTHING IS ABANDONED IN PLACE.
- NO DEAD ENDS SHALL REMAIN. THE MAXIMUM LENGTH OF DEAD ENDS SHALL BE TWO PIPE DIAMETERS FROM THE BRANCH, RISER, OR MAIN.
- SEAL NEW AND EXISTING PIPE PENETRATIONS THROUGH FLOOR WATER TIGHT.

KEY NOTES:

- REMOVE EXISTING LAV AND ASSOCIATED DCW, DHW, SAN, AND VENT PIPING BACK TO 6\"/>
- REMOVE EXISTING URINAL AND ASSOCIATED SAN, DCW, AND VENT PIPING BACK TO 6\"/>
- REMOVE EXISTING WATER CLOSET AND ASSOCIATED DCW, SAN, AND VENT PIPING BACK TO 6\"/>
- REMOVE EXISTING HOSE BIBB AND ASSOCIATED DCW PIPE BACK TO 6\"/>

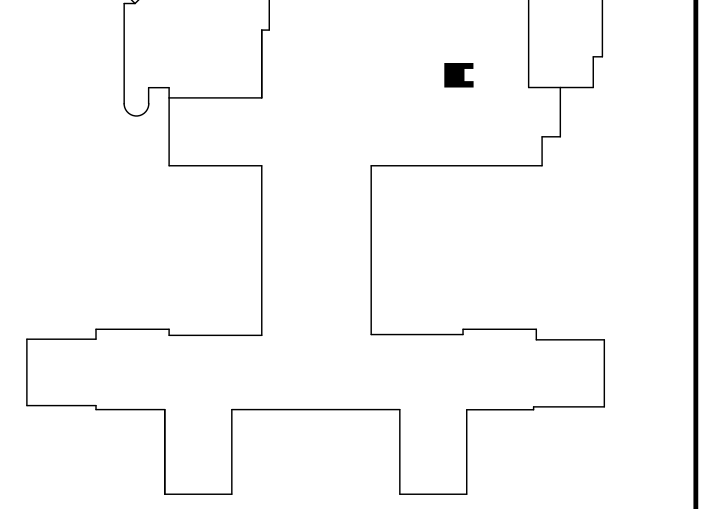
KEY NOTES:

- PROVIDE NEW LAV AND BACK TO BACK CARRIER. CONNECT 3/4\"/>
- PROVIDE NEW WATER CLOSET AND BACK TO BACK CARRIER. CONNECT NEW 1\"/>
- ROUTE 1-1/2\"/>
- ROUTE 2\"/>
- PROVIDE NEW HOSE BIB. CONNECT 1/2\"/>
- LOCATION OF EXISTING MAINS COULD NOT BE CONFIRMED DURING DESIGN. CONTRACTOR WILL VERIFY LOCATION IN THE FIELD AND CONNECT TO EXISTING MAINS BELOW FLOOR.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK



WALL RATING LEGEND

- 1 HR - FIRE SEPARATION
- 2 HR - FIRE SEPARATION
- SMOKE RESISTIVE HAZARDOUS AREA

FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

|              |  |  |                                                                                                                           |  |                              |                                                           |                                                                                           |  |                                                  |  |                                 |            |
|--------------|--|--|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------------|------------|
| CONSULTANTS: |  |  | PROJECT MANAGER                                                                                                           |  | ACG Project Number<br>21-287 | Office of<br>Construction<br>and Facilities<br>Management | Drawing Title<br>RESTROOM PLUMBING PLANS, RISERS,<br>AND DETAILS                          |  | Project Title<br>ASU PACU SAFETY<br>IMPROVEMENTS |  | VA PROJECT NUMBER<br>603-22-601 |            |
|              |  |  | Headquarters:<br><b>Apogee Consulting Group, P.A.</b><br>1151 Kildaire Farm Road, Suite 120<br>Cary, North Carolina 27511 |  |                              |                                                           | Location<br>ROBLEY REX VA MEDICAL CENTER<br>800 ZORN AVENUE<br>LOUISVILLE, KENTUCKY 40206 |  | Approved<br>T-694                                |  | Building Number<br># 1          |            |
|              |  |  | Engineers   Architects<br>www.acg-pa.com 919-858-7420                                                                     |  |                              | U.S. Department<br>of Veterans Affairs                    |                                                                                           |  | Date<br>DECEMBER 14, 2022                        |  | Checked<br>WRS, RCM             |            |
|              |  |  |                                                                                                                           |  |                              |                                                           |                                                                                           |  | Drawn<br>WRS                                     |  | Drawing Number<br>P-101         |            |
|              |  |  |                                                                                                                           |  |                              |                                                           |                                                                                           |  |                                                  |  |                                 | Dwg 2 of 2 |



MECHANICAL ABBREVIATIONS

|        |                                              |        |                                                      |       |                                               |         |                                        |
|--------|----------------------------------------------|--------|------------------------------------------------------|-------|-----------------------------------------------|---------|----------------------------------------|
| A/E    | ARCHITECT / ENGINEER                         | DPA    | DIFFERENTIAL PRESSURE                                | IN    | INCHES                                        | R/E     | RETURN OR EXHAUST                      |
| AAHX   | AIR TO AIR HEAT EXCHANGER                    | DPS    | DIFFERENTIAL PRESSURE SENSOR                         | IN HG | INCHES OF MERCURY                             | RA      | RETURN AIR                             |
| AB     | AIR BLENDER                                  | DX     | DIRECT EXPANSION                                     | IN WC | INCH WATER COLUMN                             | RAT     | RETURN AIR TEMPERATURE                 |
| AAV    | AUTOMATIC AIR VENT                           | DXCC   | DIRECT EXPANSION COOLING COIL                        | IN WG | INCH WATER GAUGE                              | RDS     | RUN DATA SHEETS                        |
| ACC    | AIR-COOLED CONDENSER                         | EA     | EXHAUST AIR                                          | IN LB | INCH POUND                                    | REA     | RELIEF AIR                             |
| ACCH   | AIR-COOLED CHILLER                           | EAT    | ENTERING AIR TEMPERATURE                             | IPLV  | INTEGRATED PART LOAD VALUE                    | RF      | RETURN FAN                             |
| ACCU   | AIR-COOLED CONDENSING UNIT                   | ECC    | ENGINEERING CONTROL CENTER                           | IRH   | INFRARED HEATER                               | RG      | RETURN GRILLE                          |
| ACU    | AIR CONDITIONING UNIT                        | EER    | ENERGY EFFICIENCY RATIO                              | IS    | INSECT SCREEN                                 | RL      | RELATIVE HUMIDITY                      |
| ACD    | AUTOMATIC CONTROL DAMPER, MODULATING         | EG     | EXHAUST GRILLE                                       | IV    | INLET VANES                                   | RHC     | REHEAT COIL                            |
| ACD-TP | AUTOMATIC CONTROL DAMPER, TWO POSITION       | EGS    | EMERGENCY GAS SHUTOFF                                | kg    | KILOGRAM                                      | RL      | REFRIGERANT LIQUID LINE                |
| AD     | ACCESS DOOR                                  | EH     | EXHAUST HOOD                                         | kg/Hr | KILOGRAM PER HOUR                             | RL      | RUN LOAD AMPERE                        |
| AF     | AFTER FILTER                                 | EJ     | EXPANSION JOINT                                      | kPa   | KILOPASCAL                                    | RPM     | REVOLUTIONS PER MINUTE                 |
| AFCV   | AIR FLOW CONTROL VALVE                       | EMD    | END OF MAIN DRIP (STEAM)                             | kW    | KILOWATT                                      | RS      | REFRIGERANT SUCTION                    |
| AFD    | AIR FLOW MEASURING DEVICE                    | ENT    | ENTERING                                             | kWh   | KILOWATT HOUR                                 | RTU     | ROOF TOP UNIT                          |
| AFW    | AIR FOIL WHEEL (FAN)                         | ESP    | EXTERNAL STATIC PRESSURE                             |       |                                               | RV      | RELIEF VALVE                           |
| AHU    | AIR HANDLING UNIT                            | EWT    | ENTERING WATER TEMPERATURE                           | L     | LITER                                         | SA      | SUPPLY AIR                             |
| AMP    | AMPERAGE                                     | EX     | EXISTING                                             | L/s   | LITERS PER SECOND                             | SAD     | SOUND ATTENUATING DEVICE               |
| AP     | ACCESS PANEL                                 | F      | FAHRENHEIT                                           | LAT   | LEAVING AIR TEMPERATURE                       | SAT     | SUPPLY AIR TEMPERATURE                 |
| APD    | AIR PRESSURE DROP                            | F&T    | FLOAT AND THERMOSTATIC COMBINATION FIRE SMOKE DAMPER | LB/S  | POUNDS PER HOUR                               | SC      | SHADING COEFFICIENT                    |
| ARI    | AIR CONDITIONING AND REFRIGERATION INSTITUTE | F/SDPR | FREE AREA                                            | LF    | LINEAR FOOT (FEET)                            | SCFM    | STANDARD CUBIC FEET PER MINUTE         |
| AS     | AIR SEPARATOR                                | FA     | FAN COIL UNIT (4 PIPE)                               | LPR   | LATENT HEAT                                   | SCR     | SILICON CONTROLLED RECTIFIER           |
| ASME   | AMERICAN SOCIETY OF MECHANICAL ENGINEERS     | FC     | FLEXIBLE CONNECTION                                  | LPS   | LOW PRESSURE SUPPLY (STEAM)                   | SD      | SUPPLY AIR DIFFUSER                    |
| AW     | AIR WASHER                                   | FCU    | FAN COIL UNIT (4 PIPE)                               | LSD   | LINEAR SLOT DIFFUSER                          | SDPR    | SMOKE DAMPER                           |
| AXF    | AXIAL FLOW                                   | FCW    | FORWARD CURVED WHEEL (FAN)                           | LTC   | LOCAL TEMPERATURE CONTROL                     | SDR     | SMOKE DAMPER (RETURN)                  |
|        |                                              | FD     | FLOOR DRAIN                                          | LTP   | LOCAL TEMPERATURE CONTROL                     | SDS     | SMOKE DAMPER (SUPPLY)                  |
|        |                                              | FE     | FIRE DAMPER                                          | LTV   | LEAVING                                       | SEN     | SENSIBLE HEAT                          |
|        |                                              | FF     | FINAL FILTER                                         | LVR   | LOUVER                                        | SH      | STEAM HUMIDIFIER                       |
| B      | BOILER                                       | FM     | FLOW METER                                           | LWT   | LEAVING WATER TEMPERATURE                     | SHC     | STEAM HEATING COIL                     |
| BD     | BUTTERFLY DAMPER                             | FPM    | FEET PER MINUTE                                      | M     | METER, SI UNIT                                | SQ      | SQUARE INCHES                          |
| BDD    | BACKDRAFT DAMPER                             | FPS    | FEET PER SECOND                                      | M     | METER, PER SECOND (OR METER PER SECOND)       | SP      | STATIC PRESSURE                        |
| BDR    | BASE BOARD RADIATOR                          | FPR    | FIBER REINFORCED POLYESTER                           | MA    | MIXED AIR                                     | SP GR   | SPECIFIC GRAVITY                       |
| BFP    | BACKFLOW PREVENTER                           | FS     | FLOW SWITCH                                          | MA    | MIXED AIR                                     | SPR     | SUPPLY PROCESS AND DISTRIBUTION        |
| BFT    | BOILER PLANT FIRE TUBE                       | FT     | FEET                                                 | MAT   | MIXED AIR TEMPERATURE                         | SPRV    | STEAM PRESSURE REDUCING VALVE          |
| BHP    | BRAKE HORSEPOWER                             | FT-LB  | FOOT-POUND                                           | MAX   | MAXIMUM                                       | SPS     | STATIC PRESSURE SENSOR                 |
| BHW    | HOT WATER HEATING BOILER                     | FTR    | FACE VELOCITY                                        | MB    | MIXING BOX                                    | SO FT   | SQUARE FOOT (FEET)                     |
| BHX    | BOILER BLOWDOWN HEAT EXCHANGER               | GA     | GAUGE                                                | MCA   | MINIMUM BRANCH CIRCUIT AMPACITY               | SR      | SUPPLY AIR REGISTER                    |
|        |                                              | GAL    | GALLONS                                              | MER   | MECHANICAL EQUIPMENT ROOM                     | SS      | STAINLESS STEEL                        |
| BIW    | BIOLOGICAL SAFETY CABINETS                   | GH     | GRAVITY HOOD                                         | MHP   | MOTOR HORSEPOWER                              | SSR     | SOLID SEPARATOR                        |
| BSC    | BUFFER TANK                                  | GPD    | GALLONS PER DAY                                      | MIN   | MINIMUM                                       | ST      | STEAM TRAP                             |
| BTU    | BRITISH THERMAL UNIT                         | GPH    | GALLONS PER HOUR                                     | MM    | MILLIMETER                                    | STV     | STEAM SAFETY VALVE                     |
| BTUH   | BRITISH THERMAL UNIT PER HOUR                | GPM    | GALLONS PER MINUTE                                   | MOV   | MOTOR OPERATED VALVE                          | SV      | STEAM VENT SILENCER                    |
|        |                                              | GS     | GALVANIZED STEEL                                     | MPS   | MEDIUM PRESSURE RETURN (STEAM CONDENSATE)     | T & PCV | TEMPERATURE AND PRESSURE CONTROL VALVE |
| C      | CENTIGRADE (CELSIUS)                         | H      | HUMIDIFIER                                           | MPS   | MEDIUM PRESSURE SUPPLY (STEAM)                | TAB     | TESTING, ADJUSTING, BALANCE            |
| CC     | COOLING COIL                                 | H&CW   | HOT & COLD WATER                                     | MT    | MEAN TEMPERATURE DIFFERENCE                   | TD      | TEMPERATURE DIFFERENCE                 |
| CCD    | COOLING COIL CONDENSATE DRAIN                | HAC    | HOUSEKEEPING AID CLOSET                              | MVD   | MEAN TEMPERATURE DIFFERENCE                   | TDH     | TOTAL DYNAMIC HEAD                     |
| CENT   | CENTRIFUGAL                                  | HB     | HOSE BIBB                                            | NA    | NOT APPLICABLE                                | TDS     | TOTAL DISSOLVED SOLIDS                 |
| CFH    | CUBIC FEET PER HOUR                          | HC     | HEATING COIL                                         | NC    | NOISE CRITERIA                                | TP      | TRAP                                   |
| CFM    | CUBIC FEET PER MINUTE                        | HD     | HEAD                                                 | NC    | NORMALLY CLOSED                               | TSP     | TOTAL STATIC PRESSURE                  |
| CFT    | CUBIC FEET                                   | HE     | HEATING HOT WATER                                    | NO    | NORMALLY OPEN                                 | TSTAT   | THERMOSTAT                             |
| CFP    | CHEMICAL FEED PUMP                           | HH     | HEATING HOT WATER COIL                               | NOAA  | NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION | TU      | TERMINAL UNIT                          |
| CHP    | CHILLER                                      | HHWP   | HEATING HOT WATER PUMP                               | NOM   | NOMINAL                                       | V       | VALVE                                  |
| CHWP   | CHILLED WATER PUMP                           | HHWR   | HEATING HOT WATER RETURN                             | NPLV  | NON-STANDARD PART LOAD VALUE                  | VAF     | VANE-AXIAL FAN                         |
| CHW    | CHILLER WATER                                | HHS    | HEATING HOT WATER SUPPLY                             | NPSH  | NET POSITIVE SUCTION HEAD                     | VAV     | VARIABLE AIR VOLUME                    |
| CHWR   | CHILLED WATER RETURN                         | HOA    | HAND/OFF/AUTOMATIC                                   | NTS   | NOT TO SCALE                                  | VMD     | VOLUME DAMPER (MANUAL OPPOSED BLADE)   |
| CHWS   | CHILLED WATER SUPPLY                         | HP     | HORSEPOWER                                           | OA    | OUTSIDE AIR                                   | VND     | VARIABLE FREQUENCY DRIVE               |
| CI     | CAST IRON                                    | HPDT   | HIGH PRESSURE DRIP TRAP                              | OD    | OUTSIDE INTAKE                                | VHA     | VETERANS HEALTH ADMINISTRATION         |
| CM     | CARBON MONOXIDE                              | HPR    | HIGH PRESSURE RETURN (STEAM CONDENSATE)              | OR    | OUTSIDE DIAMETER                              | VI      | VIBRATION ISOLATOR                     |
| CM/S   | CUBIC METER PER SECOND                       | HPS    | HIGH PRESSURE SUPPLY (STEAM)                         | OD    | OPERATING ROOM                                | VP      | VACUUM PUMP                            |
| CN     | CUBIC METER                                  | HRC    | HEAT RECOVERY COIL                                   | OSA   | OUTSIDE SUPPLY AIR (CONDITIONED)              | VPS     | VARIABLE PRIMARY SYSTEM                |
| CW/S   | CUBIC METER PER SECOND                       | HRS    | HEATING HOT WATER RETURN                             | P     | PUMP                                          | VPR     | VACUUM (STEAM CONDENSATE) RETURN       |
| CO2    | CARBON DIOXIDE                               | HST    | HUMIDISTAT                                           | PC    | PUMPED CONDENSATE                             | VSD     | VARIABLE SPEED DRIVE                   |
| COMP   | COMPRESSOR UNIT                              | HUM    | HUMIDIFIER UNIT MOUNTED                              | PCF   | POUNDS PER CUBIC FOOT (FEET)                  | VUH     | VERTICAL UNIT HEATER                   |
| CO     | COEFFICIENT OF PERFORMANCE                   | HVU    | HEATING AND VENTILATING UNIT                         | PF    | PRESSURE DROP                                 | W       | WATTS                                  |
| CU     | CONDENSATE PUMP                              | HW     | HOT WATER                                            | PG    | PRE-FILTER                                    | Wb      | WET-BULB (TEMPERATURE)                 |
| CUH    | CONDENSING UNIT                              | HWC    | HOT WATER COIL                                       | PF    | PRESSURE GAGE                                 | WFCV    | WATER FLOW CONTROL VALVE               |
| CV     | CABINET UNIT HEATER                          | HWH    | HOT WATER HEATER                                     | PH    | PREHEAT COIL                                  | WFM     | WATER FLOW METER                       |
| CW     | COLD WATER (POTABLE)                         | HWHU   | HOT WATER UNIT HEATER                                | PHCP  | PREHEAT COIL PUMP                             | WFM     | WATER FLOW MEASURING DEVICE            |
| CHWCC  | CHILLED WATER COOLING COIL                   | HX     | HEAT EXCHANGER                                       | PPM   | PARTS PER MILLION                             | WG      | WATER GAGE                             |
| D      | DAMPER - AUTOMATIC                           | Hz     | HERTZ                                                | PRV   | PRESSURE REGULATING VALVE                     | WSD     | WATER SIDE PRESSURE DROP               |
| D-1    | OUTDOOR AIR DAMPER                           | IO     | INPUT/OUTPUT                                         | PSI   | POUNDS PER SQUARE INCH                        | XT      | EXPANSION TANK                         |
| D-2    | RETURN AIR DAMPER                            | IAQ    | INDOOR AIR QUALITY                                   | PSIA  | POUNDS PER SQUARE INCH - ABSOLUTE             | YR      | YEAR                                   |
| D-3    | RELIEF AIR DAMPER                            | IBT    | INVERTED BUCKET TRAP                                 | PSIG  | POUNDS PER SQUARE INCH - GAGE                 |         |                                        |
| D-4    | ECONOMIZER OUTDOOR AIR DAMPER                | ICU    | INTENSIVE CARE UNIT                                  | PS    | PRIMARY SECONDARY SYSTEM                      |         |                                        |
|        |                                              | ID     | INSIDE DIAMETER                                      | PSV   | PRESSURE SAFETY VALVE                         |         |                                        |
| dB     | DECIBELS                                     | IFB    | INTEGRAL FACE AND BYPASS                             |       |                                               |         |                                        |
| DD     | DRY-BULB TEMPERATURE                         |        |                                                      |       |                                               |         |                                        |
| DDC    | DIRECT DIGITAL CONTROLS                      |        |                                                      |       |                                               |         |                                        |
| DEG    | DEGREE                                       |        |                                                      |       |                                               |         |                                        |
| DF     | DIFFUSER                                     |        |                                                      |       |                                               |         |                                        |
| DIA    | DIAMETER                                     |        |                                                      |       |                                               |         |                                        |
| DIW    | DEIONIZED WATER                              |        |                                                      |       |                                               |         |                                        |
| DP     | DEW POINT TEMPERATURE                        |        |                                                      |       |                                               |         |                                        |
| DP     | DIFFUSER PLATE                               |        |                                                      |       |                                               |         |                                        |

MECHANICAL LEGEND

|  |                                        |  |                                                                                             |  |                                                  |  |                                    |
|--|----------------------------------------|--|---------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|------------------------------------|
|  | CARBON DIOXIDE SENSOR                  |  | VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING) |  | HIGH PRESSURE STEAM PIPING (60 PSI)              |  | GLOBE VALVE                        |
|  | THERMOSTAT OR TEMPERATURE SENSOR       |  | VANED ELBOW (SHORT RADIUS)                                                                  |  | HIGH PRESSURE STEAM CONDENSATE RETURN            |  | GATE VALVE                         |
|  | HUMIDISTAT OR HUMIDITY SENSOR          |  | STANDARD RADIUS ELBOW (LONG RADIUS)                                                         |  | MEDIUM PRESSURE STEAM PIPING (15 PSI AND 30 PSI) |  | BALL VALVE                         |
|  | SUPPLY DIFFUSER                        |  | STANDARD RADIUS ELBOW (LONG RADIUS)                                                         |  | MEDIUM PRESSURE STEAM CONDENSATE RETURN          |  | CHECK VALVE                        |
|  | RETURN GRILLE                          |  | NEW DUCT (INSIDE DIMENSIONS: WIDTH X DEPTH)                                                 |  | LOW PRESSURE STEAM PIPING (15 PSI AND BELOW)     |  | STEAM SAFETY VALVE                 |
|  | EXHAUST GRILLE                         |  | EXISTING DUCT TO REMAIN                                                                     |  | CHILLED WATER SUPPLY PIPING                      |  | PRESSURE REGULATING VALVE          |
|  | LINEAR SLOT DIFFUSER                   |  | EXISTING DUCT TO BE DEMOLISHED                                                              |  | CHILLED WATER RETURN PIPING                      |  | WYE STRAINER VALVE                 |
|  | BALANCING DAMPER                       |  | DUCT TRANSITION                                                                             |  | HEATING HOT WATER SUPPLY PIPING                  |  | BALANCING VALVE                    |
|  | FIRE DAMPER                            |  | END MOUNTED OR SIDEWALL GRILLE                                                              |  | HEATING HOT WATER RETURN PIPING                  |  | MODULATING TWO-WAY CONTROL VALVE   |
|  | SMOKE DAMPER                           |  | TERMINAL UNIT SUPPLY DUCT BRANCH (CONICAL TAP)                                              |  | REFRIGERANT LINE SET (LIQUID AND SUCTION)        |  | MODULATING THREE-WAY CONTROL VALVE |
|  | FIRE / SMOKE DAMPER                    |  | PIPE UP                                                                                     |  | CONDENSATE DRAIN LINE                            |  | TWO POSITION CONTROL VALVE         |
|  | MOTORIZED DAMPER                       |  | PIPE DOWN                                                                                   |  | STEAM TRAP                                       |  | DRAIN VALVE                        |
|  | ROUND FLEX DUCT                        |  | BOTTOM CONNECTION                                                                           |  | TEST PLUG                                        |  | LIMIT OF DEMOLITION                |
|  | INCLINED RISE, IN DIRECTION OF AIRFLOW |  | TOP CONNECTION                                                                              |  | DIFFUSER TAG                                     |  | EQUIPMENT TAG                      |
|  | INCLINED DROP, IN DIRECTION OF AIRFLOW |  | CAPPED OR PLUGGED PIPE                                                                      |  |                                                  |  |                                    |
|  | CONNECT NEW DUCT TO EXISTING           |  | CONNECT TO EXISTING PIPE                                                                    |  |                                                  |  |                                    |
|  | LIMIT OF DEMOLITION                    |  | LIMIT OF DEMOLITION                                                                         |  |                                                  |  |                                    |
|  |                                        |  | SUPPLY DUCT (UP & DOWN)                                                                     |  |                                                  |  |                                    |
|  |                                        |  | EXHAUST DUCT (UP & DOWN)                                                                    |  |                                                  |  |                                    |
|  |                                        |  | RETURN DUCT (UP & DOWN)                                                                     |  |                                                  |  |                                    |

MECHANICAL DEMOLITION GENERAL NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.
2. REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNTIL COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK.
3. DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.
4. VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.
5. AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.
6. COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.
7. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.
8. TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
9. SAWCUT OR CORE DRILL CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW MECHANICAL WORK AND WORK OF OTHER TRADES.

MECHANICAL GENERAL NOTES

1. WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
2. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
3. PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.
4. WHERE POSSIBLE, PROVIDE STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE REQUIRED.
5. EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR.
6. PROVIDE MECHANICAL EQUIPMENT THAT IS LISTED AND LABELED BY UNDERWRITERS LABORATORIES (U.L.).
7. INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.
8. INSTALL EQUIPMENT WITH PROPER CLEARANCES FOR REQUIRED PIPING AND ELECTRICAL SERVICES AND CONNECTIONS. INSTALL EQUIPMENT WITH REQUIRED ACCESS AND CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND APPLICABLE CODES AND STANDARDS.
9. COORDINATE LOCATION, INSTALLATION, AND ROUTING OF DUCTWORK, PIPING, AND EQUIPMENT WITH WORK OF ALL OTHER TRADES.
10. PROVIDE SUPPORT FOR MECHANICAL EQUIPMENT. COORDINATE SUPPORT LOCATIONS WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
11. PROVIDE POWER CONNECTIONS TO EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26.
12. PROVIDE CONTROL WIRING FOR MECHANICAL EQUIPMENT AS WORK OF DIVISION 23.
13. DUCTWORK AND PIPING LAYOUTS AND LOCATIONS ARE SCHEMATIC. DO NOT SCALE THESE DRAWINGS. COORDINATE AND DETERMINE EXACT ROUTING OF DUCTWORK AND PIPING IN THE FIELD.
14. FIELD VERIFY DIMENSIONS BY ACTUAL MEASUREMENT AND OBSERVATION BEFORE ORDERING OR FABRICATING DUCTWORK, PIPING OR EQUIPMENT.
15. NOTIFY COR REGARDING DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS OR DIMENSIONS BEFORE PERFORMING WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF THE WORK.
16. SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF CEILING INSTALLED EQUIPMENT.
17. INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE AND AS CLOSE AS POSSIBLE TO BUILDING WALLS, CEILING AND FLOOR AND ROOF STRUCTURE. PROVIDE OFFSETS, FITTINGS, AND DIMENSIONAL TRANSITIONS NOT SHOWN BUT REQUIRED TO MAINTAIN MINIMUM CLEAR SPACE TO BUILDING SURFACES AT NO ADDITIONAL COST.
18. PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH MECHANICAL WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.
19. SUBMIT BOUND SET OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT AT COMPLETION OF PROJECT.
20. INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
21. MAKE A COMPLETE REVIEW OF DRAWINGS, INCLUDING SCHEDULES AND DETAILS, PRIOR TO BEGINNING MECHANICAL SYSTEM INSTALLATION. RESOLVE CONFLICTS WITH COR.
22. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.
23. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY INDICATED OTHERWISE.
24. INSTALL PIPING FREE OF SAGS AND BENDS.
25. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.
26. PIPING SHALL NOT BE ROUTED OVER TELECOM OR ELECTRICAL CLOSETS/ROOMS.
27. PREPARE DRAWINGS SHOWING MECHANICAL SYSTEMS AND EQUIPMENT FOR COORDINATION WITH WORK OF OTHER DIVISIONS AND WORK BY THE GOVERNMENT.
  - A. INCLUDE PLAN VIEWS, SECTIONS, AND ELEVATIONS, AS REQUIRED, TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS.
  - B. DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO, ALL DUCTWORK, AIR DISTRIBUTION, MECHANICAL EQUIPMENT, MECHANICAL PIPING, FIRE PROTECTION PIPING, PLUMBING PIPING, CABLE TRAYS, LIGHTING FIXTURES, CEILING GRID AND HEIGHT, BEAMS AND JOISTS (WITH ELEVATIONS MARKED), ELECTRICAL CONDUIT LARGER THAN 2 INCHES IN DIAMETER AND OTHER CEILING MOUNT DEVICES OR EQUIPMENT THAT PROTRUDE INTO THE CEILING CAVITY.
  - C. IF THERE ARE OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH COR FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN.
  - D. DO NOT BEGIN FABRICATION OR PLACE EQUIPMENT ORDERS UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED.
28. INSTALLATION COMMENCED PRIOR TO COORDINATION DRAWING APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK. MODIFY, MOVE OR RECONFIGURE WORK LACKING COORDINATION AT NO ADDITIONAL COST.

ANNOTATION SYMBOLS

|  |                        |
|--|------------------------|
|  | NEW WORK KEYNOTE       |
|  | DEMOLITION KEYNOTE     |
|  | NEW                    |
|  | EXISTING               |
|  | DETAIL MODULE NUMBER   |
|  | DETAIL OR SECTION MARK |
|  | CONNECT TO EXISTING    |
|  | LIMIT OF DEMOLITION    |
|  | DIFFUSER TAG           |
|  | EQUIPMENT TAG          |

FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

|   |            |      |              |  |  |  |  |  |                                                                                                                                                                                                          |  |                                                                                                     |  |                                                                                                                                                              |  |                                                                                                            |  |                                     |  |                                                                                                           |  |
|---|------------|------|--------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|
|   |            |      | CONSULTANTS: |  |  |  |  |  | PROJECT MANAGER<br>ACG Project Number 21-287<br>Headquarters:<br><b>Apogee Consulting Group, P.A.</b><br>1151 Kildaire Farm Road, Suite 120<br>Cary, North Carolina 27511<br>www.acg-pa.com 919-858-7420 |  | Office of<br>Construction<br>and Facilities<br>Management<br>U.S. Department<br>of Veterans Affairs |  | Drawing Title<br><b>MECHANICAL GENERAL INFORMATION</b><br>Location<br><b>ROBLEY REX VA MEDICAL CENTER<br/>800 ZORN AVENUE<br/>LOUISVILLE, KENTUCKY 40206</b> |  | Project Title<br><b>ASU PACU SAFETY<br/>IMPROVEMENTS</b><br>T-694<br>Approved<br>Date<br>DECEMBER 14, 2022 |  | Checked<br>WRS, RCM<br>Drawn<br>WRS |  | VA PROJECT NUMBER<br>603-22-601<br>Building Number<br># 1<br>Drawing Number<br><b>M-001</b><br>Dwg 1 of 2 |  |
| # | Revisions: | Date |              |  |  |  |  |  |                                                                                                                                                                                                          |  |                                                                                                     |  |                                                                                                                                                              |  |                                                                                                            |  |                                     |  |                                                                                                           |  |










































































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









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| TECHNOLOGY SYMBOL LEGEND                                                                                                                                                                         |               |                                                                                                                                                  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SYMBOL                                                                                                                                                                                           | HEIGHT        | DESCRIPTION                                                                                                                                      |  |
|                                                                                                                 | 18"           | DATA OUTLET - N-4 PR UTP (N - QUANTITY)                                                                                                          |  |
|                                                                                                                 | 48"           | TELCO OUTLET - N-4 PR UTP (N - QUANTITY)                                                                                                         |  |
|                                                                                                                 | 48"           | WALL PHONE                                                                                                                                       |  |
|                                                                                                                 |               | CEILING WIRELESS ACCESS POINT - N-4 PR UTP (N - QUANTITY)                                                                                        |  |
|                                                                                                                 |               | CEILING SECURE WIRELESS ACCESS POINT - N-4 PR UTP (N - QUANTITY)                                                                                 |  |
|                                                                                                                 | AS NOTED      | TV OUTLET WALL MOUNTED                                                                                                                           |  |
|                                                                                                                 | 6" TO TOP     | PHYSICAL ACCESS CONTROL SYSTEM                                                                                                                   |  |
|                                                                                                                 | 48"           | CARD READER (K - KEYPAD)                                                                                                                         |  |
|                                                                                                                 |               | DOOR ELECTRONIC LOCKING MECHANISM                                                                                                                |  |
|                                                                                                                 |               | DOOR ELECTRONIC PANIC HARDWARE                                                                                                                   |  |
|                                                                                                                 |               | DOOR DOOR CONTACT                                                                                                                                |  |
|                                                                                                                 |               | ABOVE DOOR REQUEST FOR EXIT SENSOR                                                                                                               |  |
|                                                                                                                 |               | DOOR DOOR OPERATOR                                                                                                                               |  |
|                                                                                                                 | 48"           | HANDWAVE                                                                                                                                         |  |
|                                                                                                                 | 48"           | EMERGENCY EXIT BUTTON TO RELEASE DOOR (EEB)                                                                                                      |  |
|                                                                                                                 | 88"           | MOTION DETECTOR                                                                                                                                  |  |
|                                                                                                                 | 54"           | INTERCOM WITH CAMERA                                                                                                                             |  |
|                                                                                                                 |               | DESK INTERCOM MASTER WITH PUSH TO RELEASE DOOR                                                                                                   |  |
|                                                                                                                 | 6" TO TOP     | NURSE CALL EQUIPMENT CABINET                                                                                                                     |  |
|                                                                                                                 | 18"           | NURSE CALL MASTER STATION/CONSOLE                                                                                                                |  |
|                                                                                                                 |               | HEADWALL NURSE CALL PATIENT STATION WITH PILLOW SPEAKER (1 - SINGLE, 2 - DUAL, V - VANDAL RESISTANT)                                             |  |
|                                                                                                                 |               | HEADWALL NURSE CALL PATIENT STATION WITH CALL CORD (1 - SINGLE, 2 - DUAL, V - VANDAL RESISTANT)                                                  |  |
|                                                                                                                 | 40", 72"      | HEADWALL NURSE CALL EMERGENCY STATION WITH PULL CORD AND AUDIO <40" AFF IN RESTROOM, <72" AFF IN SHOWER (V - VANDAL RESISTANT, PB - PUSH BUTTON) |  |
|                                                                                                                 | 40", 72"      | HEADWALL NURSE CALL DOME BLUE STATION WITH COVER                                                                                                 |  |
|                                                                                                                 |               | CEILING NURSE CALL DOME LIGHT (2 - ZONE LIGHT, V - VANDAL RESISTANT)                                                                             |  |
|                                                                                                                 |               | ABOVE DOOR NURSE CALL DOME LIGHT                                                                                                                 |  |
|                                                                                                                 | 18"           | NURSE CALL PATIENT BED INTERFACE RECEPTACLE                                                                                                      |  |
|                                                                                                                | 60"           | NURSE CALL DUTY STATION                                                                                                                          |  |
|                                                                                                               | 60"           | NURSE CALL STAFF TERMINAL                                                                                                                        |  |
|                                                                                                               |               | CEILING NURSE CALL WIRELESS ANTENNAS                                                                                                             |  |
|                                                                                                               |               | CEILING WIRELESS PENDANT                                                                                                                         |  |
|                                                                                                               | 48"           | PATIENT STATION (PB - PUSH BUTTON, M - MICROPHONE, K - KEYED)                                                                                    |  |
|                                                                                                               |               | CEILING CCTV DOME CAMERA FIXED                                                                                                                   |  |
|                                                                                                               |               | CEILING CCTV DOME CAMERA PANTILT/ZOOM                                                                                                            |  |
|                                                                                                               |               | FLOOR FOUR POST OIT EQUIPMENT RACK                                                                                                               |  |
|                                                                                                               |               | FLOOR TWO POST OIT EQUIPMENT RACK                                                                                                                |  |
|                                                                                                               |               | FLOOR OIT EQUIPMENT CABINET                                                                                                                      |  |
|                                                                                                               | 6" TO TOP     | MATV EQUIPMENT CABINET                                                                                                                           |  |
|                                                                                                               |               | FLOOR CCTV EQUIPMENT CABINET                                                                                                                     |  |
|                                                                                                               | ABOVE CEILING | LADDER CABLE TARY                                                                                                                                |  |
|                                                                                                               | 18"           | GROUND BUS                                                                                                                                       |  |
|                                                                            | 8"            | 4x8x3/4" FIRE RATED TTb                                                                                                                          |  |
|                                                                                                               |               | FLOOR FLOOR BOX FOR DATA                                                                                                                         |  |
|                                                                                                               | 48"           | PATIENT ROAM ALERT ACCESS CONTROL KEYPAD                                                                                                         |  |
|                                                                                                               |               | CEILING PATIENT ROAM ALERT ANTENNA                                                                                                               |  |
|                                                                                                               |               | CEILING CEILING MOUNTED SPEAKERS                                                                                                                 |  |
|                                                                                                               | 96"           | WALL MOUNTED SPEAKERS                                                                                                                            |  |
|                                                                                                               | 6" TO TOP     | AREA OF REFUGE PANEL                                                                                                                             |  |
|                                                                                                               | 6" TO TOP     | AREA OF REFUGE ANNUNCIATION PANEL                                                                                                                |  |
|                                                                                                               | 48"           | AREA OF REFUGE INTERCOM                                                                                                                          |  |
|                                                                                                               |               | CEILING AREA OF REFUGE STROBE LIGHT                                                                                                              |  |
|                                                                                                               | 48"           | DURESS PANIC ALARM PUSH BUTTON                                                                                                                   |  |
|                                                                                                               | 6" TO TOP     | DURESS PANIC ALARM PANEL                                                                                                                         |  |
|                                                                                                               |               | CEILING TELEMETRY ANTENNA - 2-4 PR                                                                                                               |  |
|                                                                                                               |               | CEILING ROBOT PHARMACY ANTENNA - 1-4 PR                                                                                                          |  |
|                                                                                                               |               | CEILING CEILING MOUNTED MICROPHONE                                                                                                               |  |
|                                                                                                               | 48"           | WALL CONNECTION POINT FOR MICROPHONE - SEE PLAN KEYNOTES                                                                                         |  |
|                                                                                                               |               | FLOOR FLOOR MOUNTED MICROPHONE                                                                                                                   |  |
|                                                                                                               | AS NOTED      | MICROPHONE - SEE PLAN KEYNOTES                                                                                                                   |  |
| ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE. SEE DRAWINGS FOR MORE INFORMATION. NOTE: NOT ALL SYMBOLS ARE USED. |               |                                                                                                                                                  |  |

| ELECTRICAL ABBREVIATIONS LIST                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                |                                                                                                         |                                                                                                                                |
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| 1P<br>1PH<br>2C<br>2W<br>3PH<br>A<br>AAP<br>AC | 1 POLE (2P, 3P, 4P, ETC.)<br>1 PHASE<br>TWO-CONDUCTOR (3/C, 4/C, ETC.)<br>TWO-WIRE (3W, 4W, ETC.)<br>3 PHASE<br>AMPERE<br>ALARM ANNUNCIATOR PANEL<br>ABOVE COUNTER<br>AIR CONDITIONER<br>ALTERNATING CURRENT<br>ACCESSIBLE<br>ABOVE CEILING<br>AUTOMATIC DOOR OPENER<br>ARCHITECT/ENGINEER<br>AF<br>AMP FRAME<br>AFC<br>AVAILABLE FAULT CURRENT (KILOAMPS)<br>AFF<br>ABOVE FINISHED FLOOR<br>AFG<br>ABOVE FINISHED GRADE<br>AFI<br>ARC FAULT CIRCUIT INTERRUPTER<br>AHJ<br>AUTHORITY HAVING JURISDICTION<br>AHU<br>AIR HANDLING UNIT<br>AIC<br>AMPERE INTERRUPTING CAPACITY<br>AL<br>ALUMINUM<br>ALT<br>ALTERNATE<br>AMP<br>AMPERE<br>APPROX<br>APPROXIMATELY<br>ARCH<br>ARCHITECT, ARCHITECTURAL<br>AT<br>AMP TRIP<br>ATS<br>AUTOMATIC TRANSFER SWITCH<br>AUTO<br>AUTOMATIC<br>AUX<br>AUXILIARY<br>AV<br>AUDIO VISUAL<br>AWG<br>AMERICAN WIRE GAUGE | CONST<br>CONSTRUCTION<br>CONT<br>CONTINUATION OR CONTINUOUS<br>CONTR<br>CONTRACTOR<br>COORD<br>COORDINATE<br>COR<br>CONTRACTING OFFICER'S<br>REPRESENTATIVE<br>CPT<br>CONTROL POWER TRANSFORMER<br>CRI<br>COLOR RENDERING INDEX<br>CTR<br>CURRENT TRANSFORMER<br>CTV<br>CABLE TELEVISION<br>CTR<br>CENTER<br>COPPER<br>CU<br>CUBIC FEET | CONSTRUCTION<br>CONTINUATION OR CONTINUOUS<br>CONTRACTOR<br>COORDINATE<br>CONTRACTING OFFICER'S<br>REPRESENTATIVE<br>CONTROL POWER TRANSFORMER<br>COLOR RENDERING INDEX<br>CURRENT TRANSFORMER<br>CABLE TELEVISION<br>CENTER<br>COPPER<br>CUBIC FEET<br>DEMOLITION<br>DECIBEL<br>DIRECT BURIAL<br>DIRECT CURRENT<br>DEGREES CELSIUS<br>DEGREES FAHRENHEIT<br>DEMO<br>DEMOLISH/DEMOLITION<br>DEPT<br>DEPARTMENT<br>DIA<br>DIAMETER<br>DISC<br>DISCONNECT<br>DIST<br>DISTRIBUTION<br>DOWN<br>SAFETY DISCONNECT SWITCH<br>DOUBLE THROW<br>DRAWING | GAL<br>GALLON<br>GALV<br>GALVANIZED<br>GC<br>GENERAL CONTRACTOR<br>GEN<br>GENERATOR<br>GFI<br>GROUND FAULT CIRCUIT INTERRUPTER<br>GND<br>GROUND<br>GRS<br>GALVANIZED RIGID STEEL (CONDUIT)<br>GYP BD<br>GYPSUM BOARD | HID<br>HIGH-INTENSITY DISCHARGE<br>HOA<br>HAND-OFF-AUTOMATIC<br>HP<br>HORSEPOWER<br>HT<br>HEIGHT<br>HTR<br>HEATER<br>HV<br>HIGH VOLTAGE<br>HVAC<br>HEATING, VENTILATING AND AIR<br>CONDITIONING<br>IES<br>ILLUMINATION ENGINEERING SOCIETY<br>IG<br>ISOLATED GROUND<br>IMC<br>INTERMEDIATE METAL CONDUIT<br>INFRA<br>INFRARED<br>IR<br>INTERLOCK WITH<br>IWH<br>INSTANTANEOUS WATER HEATER<br>J-BOX<br>JUNCTION BOX | MTR<br>MOTOR, MOTORIZED<br>MTS<br>MANUAL TRANSFER SWITCH<br>NA<br>NOT APPLICABLE<br>NC<br>NORMALLY CLOSED<br>NEC<br>NATIONAL ELECTRICAL CODE<br>NEMA<br>NATIONAL ELECTRICAL<br>MANUFACTURERS ASSOCIATION<br>NFD5<br>NON-FUSED SAFETY DISCONNECT<br>SWITCH<br>NIC<br>NOT IN CONTRACT<br>NL<br>NIGHT LIGHT<br>NO<br>NORMALLY OPEN<br>NTS<br>NOT TO SCALE | SPKR<br>SPEAKER<br>SP<br>SPARE<br>SR<br>SURFACE RACEWAY<br>SS<br>STAINLESS STEEL<br>ST<br>SELECTOR SWITCH<br>STD<br>STANDARD<br>SURF<br>SURFACE MOUNTED<br>SW<br>SWITCH<br>SWBD<br>SWITCHBOARD<br>SYM<br>SYMMETRICAL<br>SYS<br>SYSTEM | TC<br>TIMECLOCK<br>TEL<br>TELEPHONE<br>TEL/DATA<br>TELEPHONE/DATA<br>TERM<br>TERMINAL<br>TP<br>TWISTED PAIR<br>TPS<br>TWISTED PAIR SHIELDED<br>TR<br>TAMPER RESISTANT<br>T-STAT<br>THERMOSTAT<br>TTB<br>TELEPHONE TERMINAL BOARD<br>TTC<br>TELEPHONE TERMINAL CABINET<br>TV<br>TELEVISION<br>TYP<br>TYPICAL | UC<br>UNDER COUNTER<br>UE<br>UNDERGROUND ELECTRICAL<br>UG<br>UNDERGROUND<br>UH<br>UNIT HEATER<br>UL<br>UNDERWRITER'S LABORATORY<br>UL<br>UNDERGROUND TELEPHONE<br>UTP<br>UNSHIELDED TWISTED PAIR<br>UTIL<br>UTILITY<br>UV<br>UNIT VENTILATOR OR<br>ULTRAVIOLET | V<br>VOLT<br>VA<br>VOLT-AMPERES<br>VERT<br>VERTICAL<br>VFD<br>VARIABLE FREQUENCY DRIVE<br>VOL<br>VOLUME | W<br>WATT<br>W/<br>WITH<br>WH<br>WATER HEATER<br>W/O<br>WITHOUT<br>WP<br>WEATHERPROOF<br>XFR<br>TRANSFORMER<br>XFR<br>TRANSFER |



















| LIGHTING SYMBOL LEGEND                                                                                                                                                                                                                                                                                                                                                       |              |                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------|
| SYMBOL                                                                                                                                                                                                                                                                                                                                                                       | HEIGHT AFF * | DESCRIPTION                                                           |
|                                                                                                                                                                                                                                                                                           | ---          | 2' X 2' RECESSED ARCHITECTURAL TROFFER                                |
|                                                                                                                                                                                                                                                                                           | ---          | 2' X 4' RECESSED ARCHITECTURAL TROFFER                                |
|                                                                                                                                                                                                                                                                                           | ---          | 2' X 4' RECESSED FLAT LENS TROFFER                                    |
|                                                                                                                                                                                                                                                                                           | 7'-0" CENTER | 2' LINEAR - WALL MOUNTED                                              |
|                                                                                                                                                                                                                                                                                          | 7'-0" CENTER | 4' LINEAR - WALL MOUNTED                                              |
|                                                                                                                                                                                                                                                                                         | ---          | 4' LINEAR STRIP - SUSPENDED                                           |
|                                                                                                                                                                                                                                         | ---          | 6" DIAMETER RECESSED DOWNLIGHT                                        |
|                                                                                                                                                                                                                                                                                         | 7'-5" BOTTOM | EXIT SIGN - WALL MOUNTED                                              |
|                                                                                                                                                                                                                                                                                         | ---          | EXIT SIGN - CEILING MOUNTED                                           |
|                                                                                                                                                                                                                                                                                         | 48" CENTER   | SINGLE POLE WALL SWITCH                                               |
| SWITCH MODIFIERS:<br>OS: OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY<br>VS: VACUANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY<br>DR: DUAL RELAY<br>VSD: VACUANCY SENSOR, LINE VOLTAGE, DIMMER<br>OSD: OCCUPANCY SENSOR, LINE VOLTAGE, DIMMER<br>LV: LOW VOLTAGE<br>LVD: LOW VOLTAGE DIMMER<br>D: LINE VOLTAGE DIMMER<br>T: DIGITAL TIMER<br>K: KEYPAD<br>3: 3 WAY<br>4: 4 WAY |              |                                                                       |
|                                                                                                                                                                                                                                                                                         | ---          | OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - CEILING MOUNTED      |
|                                                                                                                                                                                                                                                                                         | ---          | OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - WALL/CORNER MOUNTED  |
|                                                                                                                                                                                                                                                                                         | ---          | LOW VOLTAGE LIGHTING CONTROL DEVICE                                   |
|                                                                                                                                                                                                                                                                                         | ---          | LOW VOLTAGE LIGHTING CONTROL DEVICE WITH 0-10V DIMMING                |
|                                                                                                                                                                                                                                                                                         | ---          | LIGHT LEVEL SENSOR, SINGLE ZONE DIMMING CLOSED LOOP - CEILING MOUNTED |
| * - ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.                                                                                                                                                                                                                                                                                                        |              |                                                                       |

| CABLES AND CONNECTORS COLOR LEGEND |       |        |              |      |              |
|------------------------------------|-------|--------|--------------|------|--------------|
| DESCRIPTION ITEM                   | JACK  | CABLE  | PATCH CABLES | I.D. | NOTES        |
| DATA/COMPUTER                      | BLUE  | BLUE   | BLUE         | C    | 4 PAIR CABLE |
| WIRELESS ACCESS POINT              | GREEN | GREEN  | GREEN        | WAP  | 4 PAIR CABLE |
| NURSE CALL                         | N/A   | YELLOW | N/A          | NC   | 4 PAIR UTP   |

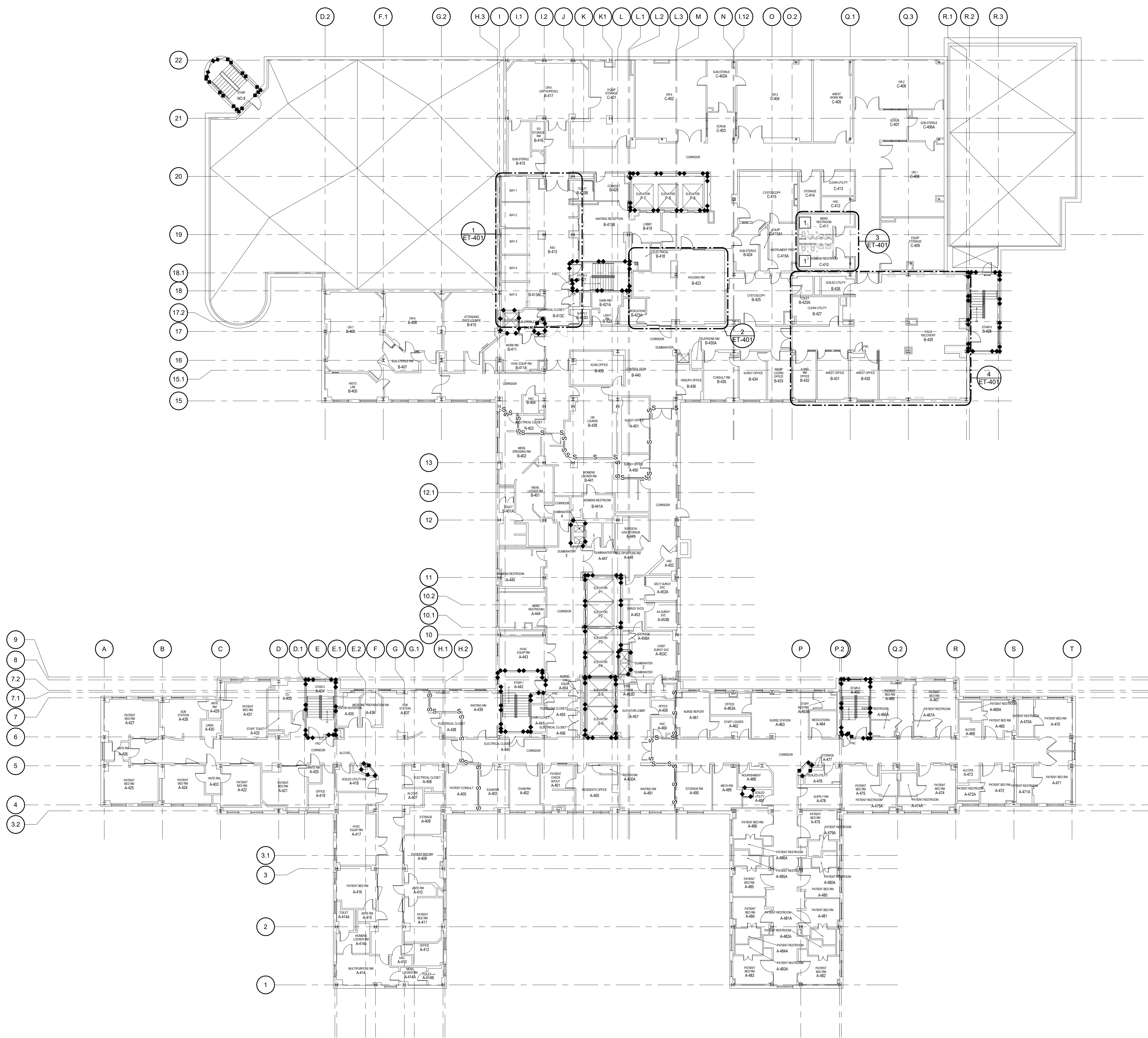
|                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | A1 b      | THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER OR AN UPPER CASE LETTER AND NUMBER. THE SWITCH DESIGNATION (IF NEEDED) IS INDICATED BY A LOWER CASE LETTER.                                                                                                                                               |
| EXAMPLE: LIGHTING FIXTURE TYPE 'A1' IS CONTROLLED BY SWITCH 'b'.                                                           |           |                                                                                                                                                                                                                                                                                                                          |
|                                         | E1        | EXIT SIGNS: STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S).                                                                                                                                       |
|                                        | E2        | EXAMPLE 1: WALL MOUNTED EXIT SIGN TYPE 'E1' WITH SINGLE FACE AND DIRECTIONAL ARROW.<br>EXAMPLE 2: CEILING MOUNTED EXIT SIGN TYPE 'E2' WITH DOUBLE FACE AND DIRECTIONAL ARROWS.                                                                                                                                           |
|                                       | c         | DEVICES: THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE; ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH 'c'.                                                                                                                                                                |
|                                       | d         | THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH 'd' TO CONTROL LIGHTING FIXTURES INDICATED BY 'd'.                                                                                                                                                                       |
|                                       | T1        | TRANSFORMERS: THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER 'T'. SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS.                                                                                                               |
| EXAMPLE: TRANSFORMER TYPE 'T1'.                                                                                            |           |                                                                                                                                                                                                                                                                                                                          |
|                                       | LPN       | PANELBOARDS: PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.                                                                                                                                                                        |
|                                       | #         | SHEET KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE HEXAGON.                                                                                                                                                                                                                      |
|                                       | #         | DEMOLITION KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE SQUARE.                                                                                                                                                                                                                  |
|                                       | LPN-1,3,5 | HOME RUN TO BRANCH CIRCUIT PANEL: THE PANEL DESIGNATION AND CIRCUIT DESIGNATION ARE SHOWN ADJACENT TO THE HOME RUN ARROW. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANEL SCHEDULE WITH THE CORRESPONDING PANEL AND CIRCUIT DESIGNATION.<br>EXAMPLE: HOME RUN TO PANELBOARD 'LPN': CIRCUITS 1, 3, 5. |
| SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS. |           |                                                                                                                                                                                                                                                                                                                          |

| TECHNOLOGY GENERAL NOTES                                                                                                                                                                                                                                                                    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. PROVIDE COMMUNICATIONS DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT, LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, BICSI STANDARDS, AND VA STANDARDS. |  |
| 2. PROVIDE ADDITIONAL SUPPORT FOR DEVICES AND EQUIPMENT WHERE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.                                                                                                                                                                    |  |
| 3. FIRESTOP, DRAFTSTOP, SMOKESTOP OR PROTECT ANNUAL SPACE AROUND PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILINGS, AND ROOF IN ACCORDANCE WITH REQUIREMENTS OF NFPA 70, UL LISTING REQUIREMENT AND APPLICABLE BUILDING CODES.                                                       |  |
| 4. PROVIDE CABLEING THAT COMPLIES WITH THE LATEST EDITION OF TELECOMMUNICATIONS DISTRIBUTION METHOD MANUAL AND ANSI/TIA/EIA PUBLICATIONS.                                                                                                                                                   |  |
| 5. COMPLY WITH THE LATEST ANSI/TIA/EIA 758 AND 6075 OR 607A - GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS IN COMMERCIAL BUILDING.                                                                                                                                             |  |
| 6. COMPLY WITH THE LATEST ANSI/TIA/EIA 568B - COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING STANDARD.                                                                                                                                                                                       |  |
| 7. COMPLY WITH THE LATEST ANSI/TIA/EIA 568B - COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.                                                                                                                                                                      |  |
| 8. COMPLY WITH THE LATEST NFPA 70 NATIONAL ELECTRICAL CODE.                                                                                                                                                                                                                                 |  |
| 9. COMPLY WITH THE LATEST NFPA 99 HEALTHCARE FACILITIES CODE.                                                                                                                                                                                                                               |  |
| 10. COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE.                                                                                                                                                                                                                                       |  |
| 11. COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.                                                                                                                                                                                                                            |  |
| 12. MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES TO INDICATE A QUALITY STANDARD AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL AND APPROVED BY THE COR WILL BE ACCEPTABLE. COMPLY WITH 'BUY AMERICAN ACT'.           |  |
| 13. MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, BOXES, OUTLET, OR EQUIPMENT UNLESS NOTED OTHERWISE.                                                                                                                                                                                 |  |
| 14. PROVIDE RGS OR EMT CONDUIT UNLESS OTHERWISE NOTED.                                                                                                                                                                                                                                      |  |
| 15. PROVIDE MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT LABEL LISTED BY APPROVED THIRD PARTY TESTING AGENCY.                                                                                                                                                                               |  |
| 16. NOTIFY COR REGARDING DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS FOR CLARIFICATION. THE MORE STRINGENT OF THE THEM SHALL TAKE PRECEDENCE.                                                                                                                                              |  |
| 17. PROVIDE TIA/EIA 4PR UTP COPPER OUTLETS AND CONNECTORS.                                                                                                                                                                                                                                  |  |
| 18. ALL WORK AREA OUTLETS SHALL BE 8 PIN, 8P8C KEYSTONE JACK WIRED PER T568A OR T568B AS DIRECTED BY THE VA COR.                                                                                                                                                                            |  |
| 19. LABEL DEVICES IN ACCORDANCE WITH LATEST ANSI/TIA 606A OR 606B EDITION AS WELL AS THE STANDARDS SET FORTH BY THE VA HOSPITAL OIT.                                                                                                                                                        |  |
| 20. PROVIDE A MINIMUM OF 12" CLEARANCE ABOVE THE CABLE TRAY PER TIA/EIA 569 B PARAGRAPH 4.5.8.2.                                                                                                                                                                                            |  |
| 21. VA WILL CONDUCT A WAP SURVEY AND PROVIDE THE SURVEY TO THE CONTRACTOR. INSTALL CABLEING AND EQUIPMENT IN ACCORDANCE WITH THE SURVEY. COORDINATE WITH COR/OIT.                                                                                                                           |  |
| 22. ALL CABLEING INSTALLED ABOVE CEILING SHALL BE PLENUM RATED.                                                                                                                                                                                                                             |  |
| 23. MINIMUM CONDUIT SIZE TO BE USED IS 3/4".                                                                                                                                                                                                                                                |  |
| 24. DEVICES PLACED IN INTERCOMMUNICATION ROOM TO BE MOUNTED ON FIRE RETARDANT PLYWOOD.                                                                                                                                                                                                      |  |
| 25. ALL CAMERAS SHALL BE IN COMPLIANCE WITH THE NATIONAL DEFENSE AUTHORIZATION ACT.                                                                                                                                                                                                         |  |

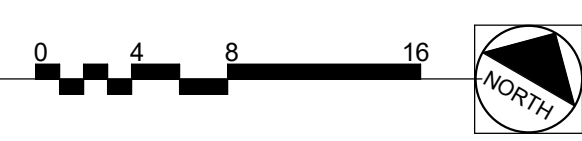
| ELECTRICAL GENERAL NOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1.                       | ALL ELECTRICAL DEVICES, FIXTURES, EQUIPMENT AND FEEDERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT AND WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND VA STANDARDS.                                                                                                                                      |  |
| 2.                       | PROVIDE ADDITIONAL SUPPORT FOR DEVICES, FIXTURES, EQUIPMENT AND FEEDERS WHERE THE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.                                                                                                                                                                                                                                                                                                                  |  |
| 3.                       | FIRESTOP, DRAFTSTOP, SMOKESTOP AND/OR PROTECT THE ANNUAL SPACE AROUND ALL PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILING, AND ROOFS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, UL LISTING REQUIREMENT AND THE APPLICABLE BUILDING CODES.                                                                                                                                                                                   |  |
| 4.                       | VERIFY CEILING SYSTEMS AND PROVIDE MOUNTING ACCESSORIES, TRIMS AND ALL REQUIRED MOUNTING HARDWARE TO SUIT THE PARTICULAR INSTALLATION.                                                                                                                                                                                                                                                                                                                        |  |
| 5.                       | PROTECT EXISTING UNDERGROUND AND BUILDING INTERIOR UTILITIES DURING CONSTRUCTION.                                                                                                                                                                                                                                                                                                                                                                             |  |
| 6.                       | BRANCH CIRCUIT CONDUCTORS SHALL BE 12 AWG COPPER MINIMUM.                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 7.                       | COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.                                                                                                                                                                                                                                                                                                                                          |  |
| 8.                       | ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS INDICATED ON FINAL BUILDING ROOM SIGNAGE) OF EQUIPMENT LOCATION, OR SPARE, OR SPACE.                                                                                                                                                                                                                                                                       |  |
| 9.                       | MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES. TO INDICATE A QUALITY STANDARD, AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL AND APPROVED BY THE DESIGNER WILL BE ACCEPTED. ALL PRODUCTS MUST COMPLY WITH 'BUY AMERICAN ACT'.                                                                                                                                                          |  |
| 10.                      | ALL FEEDERS AND CIRCUITRY SHALL BE TORQUED PER THE PANEL, BREAKER, AND/OR PARTICULAR EQUIPMENT MANUFACTURER'S SPECIFICATIONS.                                                                                                                                                                                                                                                                                                                                 |  |
| 11.                      | CIRCUITRY TO SWITCHES, RECEPTACLES, AND ALL OTHER DEVICES SHALL BE TERMINATED ON THE DEVICE'S SCREW TERMINALS.                                                                                                                                                                                                                                                                                                                                                |  |
| 12.                      | MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, OUTLET, FIXTURE, OR EQUIPMENT UNLESS NOTED OTHERWISE.                                                                                                                                                                                                                                                                                                                                                     |  |
| 13.                      | ALL WIRE TERMINATIONS SHALL BE RATED FOR 75 DEGREES C.                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| 14.                      | ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION, UNLESS OTHERWISE NOTED.                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 15.                      | ALL CONDUIT SHALL BE RGS OR EMT UNLESS OTHERWISE NOTED. FMC CONDUIT SHALL BE USED ON VIBRATING EQUIPMENT (MAXIMUM LENGTH OF 6 FEET). PVC SHALL BE USED FOR UNDERGROUND CONDUIT OR WHERE CONCRETE- ENCASED. WHERE VIBRATING EQUIPMENT IS LOCATED OUTSIDE, LFMC CONDUIT SHALL BE USED (MAXIMUM SIX FEET) FOR FINAL CONNECTIONS.                                                                                                                                 |  |
| 16.                      | ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.                                                                                                                                                                                                                                                                                                                                  |  |
| 17.                      | FOR ALL LED FIXTURES, THE FIXTURE MUST BE CAPABLE OF SELF-RESETTING TO THE SWITCHED/CONTROLLED STATE DURING ANY FLUCTUATION IN POWER SUPPLY WHERE AUTOMATIC PROTECTIVE MEASURES DISABLE THE LED LAMPS. PROVIDE A LETTER OR STATEMENT FROM THE MANUFACTURER, OR OTHER ACCEPTABLE PROOF, THAT ALL LED FIXTURES, WITH OR WITHOUT BROWNOUT PROTECTION, WILL RETURN TO THE SWITCHED/CONTROLLED STATE AUTOMATICALLY. PROVIDE STATEMENT WITH THE FIXTURE SUBMITTALS. |  |
| 18.                      | 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 GOVERNMENT, SHALL BE PROVIDED.                                                                                                                                                                                                                                                 |  |
| 19.                      | COMPRESSION COUPLINGS SHALL BE USED. NO SET SCREW FITTINGS ARE ALLOWED.                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 20.                      | MINIMUM CONDUIT SIZE TO BE USED IS 3/4".                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 21.                      | FEEDER TAGS APPENDED WITH 'VD' ARE UPSIZED IN AMPACITY DUE TO VOLTAGE DROP.                                                                                                                                                                                                                                                                                                                                                                                   |  |

| ELECTRICAL SYMBOL LEGEND                                                                                                                                         |          |                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                                                                                                                                                           | HEIGHT   | DESCRIPTION                                                                                                                                                  |
|                                                                               | 18"      | 120V SIMPLEX RECEPTACLE                                                                                                                                      |
|                                                                               | 18"      | 120V DUPLEX RECEPTACLE                                                                                                                                       |
|                                                                               | 18"      | 120V DUPLEX RECEPTACLE EMERGENCY OUTLET AND COVER PLATE SHALL BE RED IN COLOR                                                                                |
|                                                                               | 18"      | 120V QUADRAPLEX RECEPTACLE                                                                                                                                   |
|                                                                             | 18"      | 120V QUADRAPLEX RECEPTACLE EMERGENCY OUTLET AND COVER PLATE SHALL BE RED IN COLOR                                                                            |
|                                                                             | 18"      | 208V DUPLEX RECEPTACLE                                                                                                                                       |
|                                                                             | 18"      | SPECIAL RECEPTACLE                                                                                                                                           |
|                                                                             |          | 120V DUPLEX RECEPTACLE FLOOR BOX                                                                                                                             |
|                                                                             |          | 120V DUPLEX RECEPTACLE EMERGENCY FLOOR BOX OUTLET AND COVER PLATE SHALL BE RED IN COLOR                                                                      |
|                                                                             |          | 120V QUADRAPLEX RECEPTACLE FLOOR BOX                                                                                                                         |
|                                                                             |          | 120V QUADRAPLEX RECEPTACLE EMERGENCY FLOOR BOX OUTLET AND COVER PLATE SHALL BE RED IN COLOR                                                                  |
|                                                                                                                                                                  |          | RECEPTACLE MODIFIERS:<br>AC: 3" ABOVE COUNTERTOP/BACKSPLASH<br>GFI: GROUND FAULT CURRENT INTERRUPTER<br>WP: WEATHERPROOF ENCLOSURE<br>DED: DEDICATED CIRCUIT |
|                                                                             | AS NOTED | JUNCTION BOX, WALL MOUNTED, PURPOSE AS NOTED                                                                                                                 |
|                                                                             |          | JUNCTION BOX, CEILING MOUNTED, PURPOSE AS NOTED                                                                                                              |
|                                                                             |          | JUNCTION BOX, FLOOR MOUNTED, PURPOSE AS NOTED                                                                                                                |
|                                                                             | AS NOTED | EQUIPMENT CONNECTION                                                                                                                                         |
|                                                                             | 72" TOP  | DISCONNECT SWITCH NON-FUSED                                                                                                                                  |
|                                                                             | 72" TOP  | DISCONNECT SWITCH FUSED                                                                                                                                      |
|                                                                             | 48"      | SINGLE POLE WALL SWITCH: 48" AFF STANDARD UNO                                                                                                                |
|                                                                                                                                                                  |          | SWITCH MODIFIERS:<br>M: MOTOR-RATED                                                                                                                          |
| ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.<br>TOP, HEIGHT TO TOP OF DEVICE<br>ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE. |          |                                                                                                                                                              |





**1 FOURTH FLOOR OVERALL PLAN**  
Scale: 1/16" = 1'-0"



**SHEET NOTES:**

**KEY NOTES:**



- 1 DEMO EXISTING LIGHTING FIXTURE IN RESTROOMS C-410 & C-411. RETAIN CIRCUITING TO FEED NEW LIGHTING FIXTURES TO BE INSTALLED.

**KEY NOTES:**

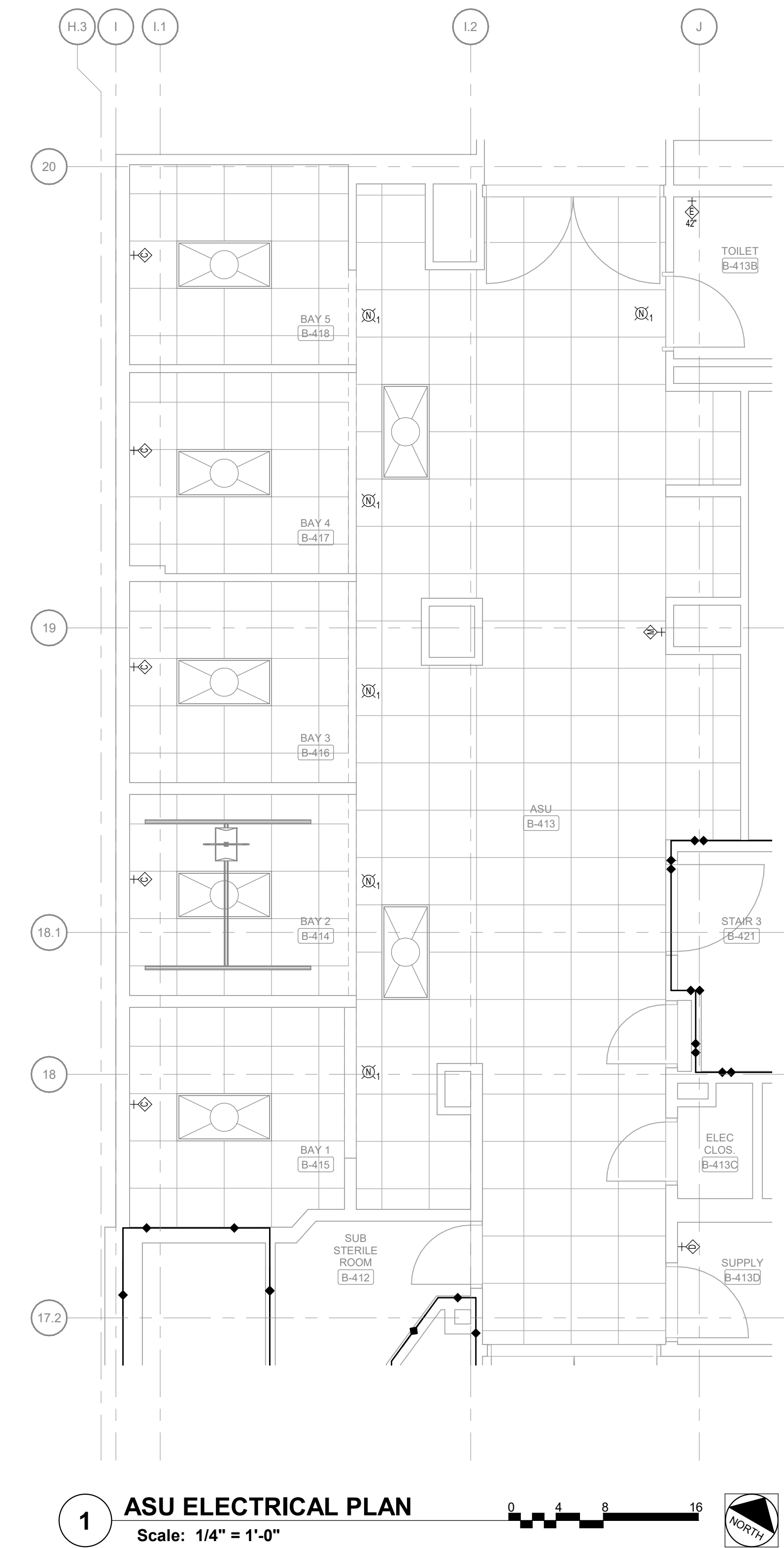
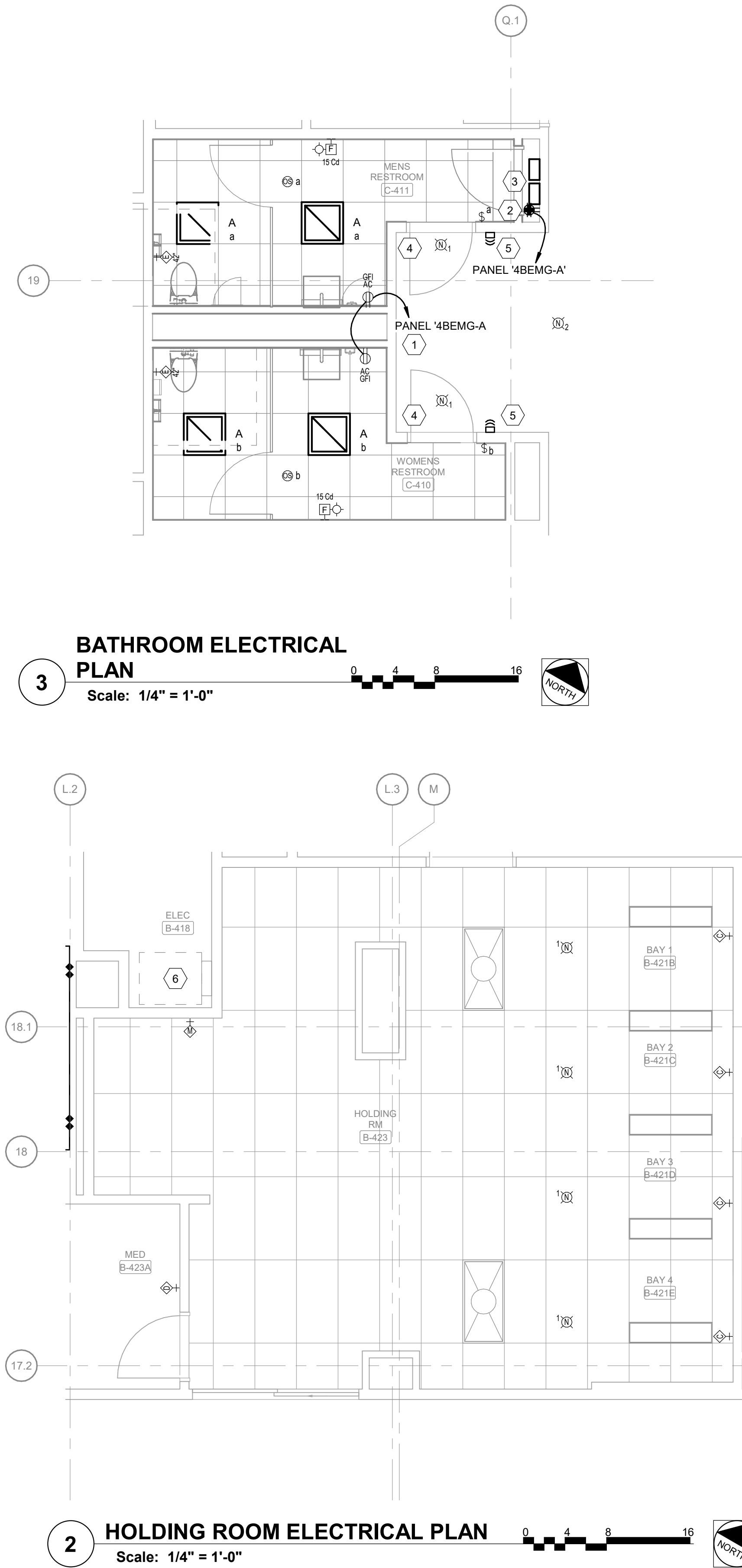
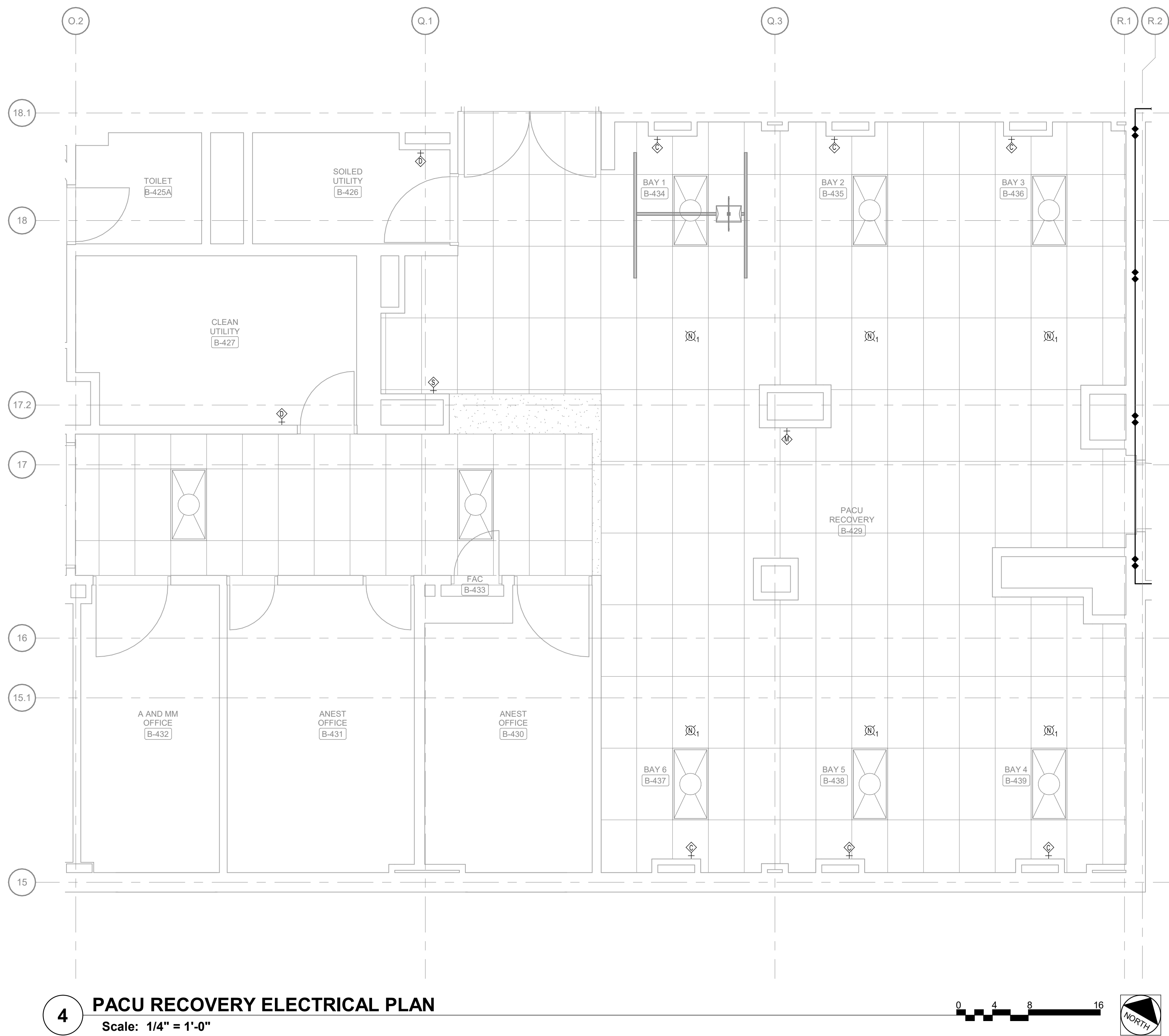
**WALL RATING LEGEND**

- 1 HR - FIRE SEPARATION  
2 HR - FIRE SEPARATION  
SMOKE RESISTIVE HAZARDOUS AREA

**FULLY SPRINKLERED**  
**100% CONSTRUCTION DOCUMENTS**

|                                  |                       |                     |                     |  |  |  |  |  |                                                                                       |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                              |  |  |                                                                                                                                                           |  |  |                                                                                                                                                                                                                        |  |  |                                  |                       |                     |                                                                                                                          |  |  |
|----------------------------------|-----------------------|---------------------|---------------------|--|--|--|--|--|---------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------|-----------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------|--|--|
|                                  |                       |                     | <b>CONSULTANTS:</b> |  |  |  |  |  |  |  |  | <b>PROJECT MANAGER</b><br>ACG Project Number 21-287<br><br><b>Headquarters:</b><br><b>Apogee Consulting Group, P.A.</b><br>1151 Kildaire Farm Road, Suite 120<br>Cary, North Carolina 27511<br><b>www.acg-pa.com</b> <b>919-858-7420</b><br><small>© COPYRIGHT Apogee Consulting Group, P.A.</small> |  |  | <b>Office of Construction and Facilities Management</b><br><br><b>VA</b> U.S. Department of Veterans Affairs |  |  | <b>Drawing Title</b><br>FOURTH FLOOR OVERALL PLAN<br><br><b>Location</b><br>ROBLEY REX VA MEDICAL CENTER<br>800 ZORN AVENUE<br>LOUISVILLE, KENTUCKY 40206 |  |  | <b>Project Title</b><br>ASU PACU SAFETY IMPROVEMENTS<br>T-694<br><br><b>Approved</b><br><table><tr><td><b>Date</b><br/>DECEMBER 14, 2022</td><td><b>Checked</b><br/>JDM</td><td><b>Drawn</b><br/>JDM</td></tr></table> |  |  | <b>Date</b><br>DECEMBER 14, 2022 | <b>Checked</b><br>JDM | <b>Drawn</b><br>JDM | <b>VA PROJECT NUMBER</b><br>603-22-601<br><b>Building Number</b><br># 1<br><b>Drawing Number</b><br>ET-101<br>Dwg 2 of 4 |  |  |
| <b>Date</b><br>DECEMBER 14, 2022 | <b>Checked</b><br>JDM | <b>Drawn</b><br>JDM |                     |  |  |  |  |  |                                                                                       |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                              |  |  |                                                                                                                                                           |  |  |                                                                                                                                                                                                                        |  |  |                                  |                       |                     |                                                                                                                          |  |  |
| #                                | Revisions:            | Date                |                     |  |  |  |  |  |                                                                                       |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                              |  |  |                                                                                                                                                           |  |  |                                                                                                                                                                                                                        |  |  |                                  |                       |                     |                                                                                                                          |  |  |





**SHEET NOTES:**

- ALL CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" CONDUIT MINIMUM UNLESS NOTED OTHERWISE.
- COORDINATE LOCATION AND ELECTRICAL REQUIREMENTS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTORS.
- COORDINATE EQUIPMENT WITH ARCHITECTURAL EQUIPMENT PLANS AND SCHEDULES.
- ALL UNSWITCHED EXIT SIGNS, EMERGENCY LIGHTS SHALL BE CIRCUITED FROM EMERGENCY CIRCUIT INDICATED AHEAD OF ANY CONTROLS OF SWITCHING.
- COORDINATE ALL TIME DELAY, AUTO DIM, PRESET DIMMING LEVELS, SENSOR SENSITIVITY AND CONFIGURATIONS WITH THE VA.
- ALL NURSE CALL DEVICES AND ELECTRICAL RECEPTACLES ARE NEW TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- ALL LIGHTS SHOWN ON THE BATHROOM ELECTRICAL PLAN (ET-401/VIEW 3) ARE NEW TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. LIGHTS INDICATED ON OTHER VIEWS ARE EXISTING TO REMAIN.

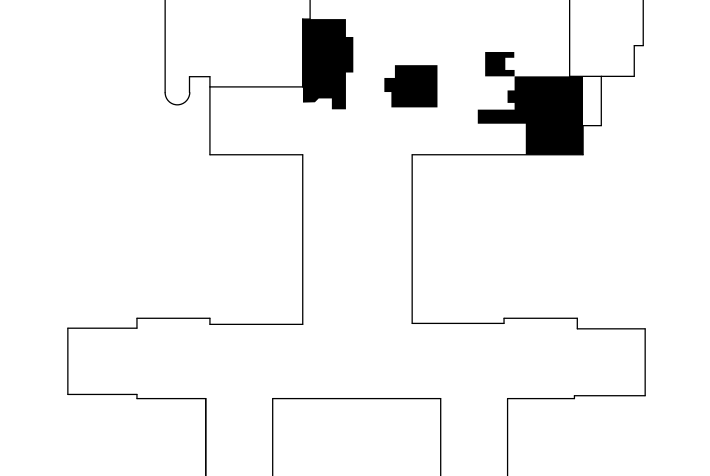
**KEY NOTES:**

- UTILIZE SPARE 20A BREAKER IN PANEL '4BEMG-A'.
- POWER FOR NURSING HEADEND EQUIPMENT.
- NEW NURSING HEAD END EQUIPMENT.
- RE-INSTALL AND CONNECT DOOR OPERATORS TO EXISTING CIRCUIT.
- NEW HANDWAVE FOR DOOR OPERATOR.
- PANEL '4BEMG-A' UTILIZE SPARE 20A BREAKER TO PROVIDE POWER FOR NEW NURSE CALL EQUIPMENT CABINET AND BATHROOM CIRCUITS.

**KEY PLAN**

SCALE: NO SCALE

AREA OF WORK

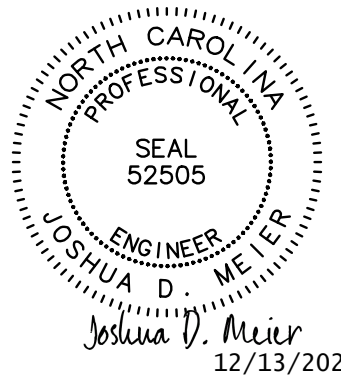


**WALL RATING LEGEND**

- 1 HR - FIRE SEPARATION
- 2 HR - FIRE SEPARATION
- SMOKE RESISTIVE HAZARDOUS AREA

**FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS**

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