



VA BLACK HILLS HEALTH CARE SYSTEM VA FM UPGRADE MENTAL HEALTH LOCK WARD

BUILDING #148 FORT MEADE, SOUTH DAKOTA

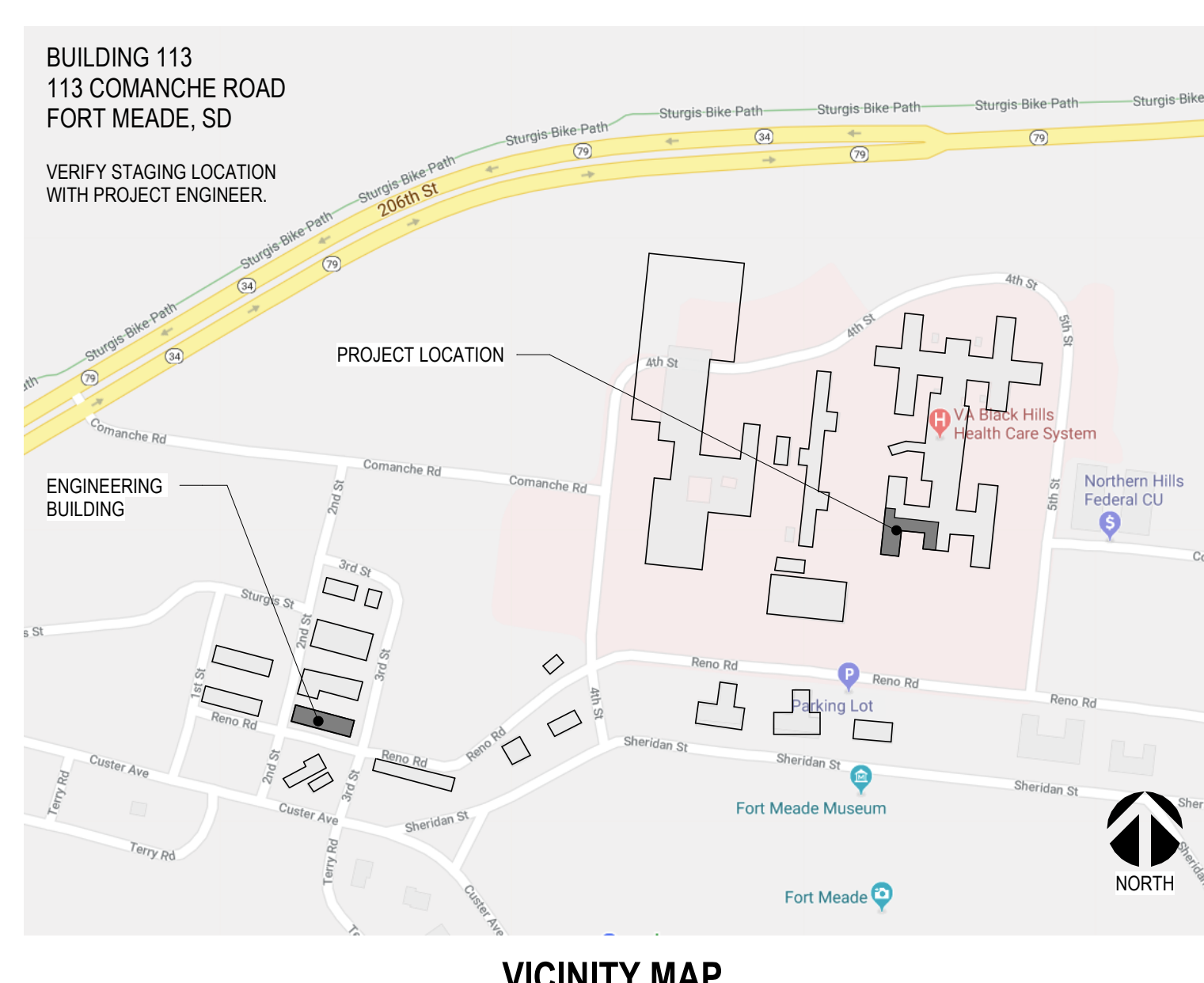
VA#568-20-102
CONSTRUCTION DOCUMENTS
08/05/22



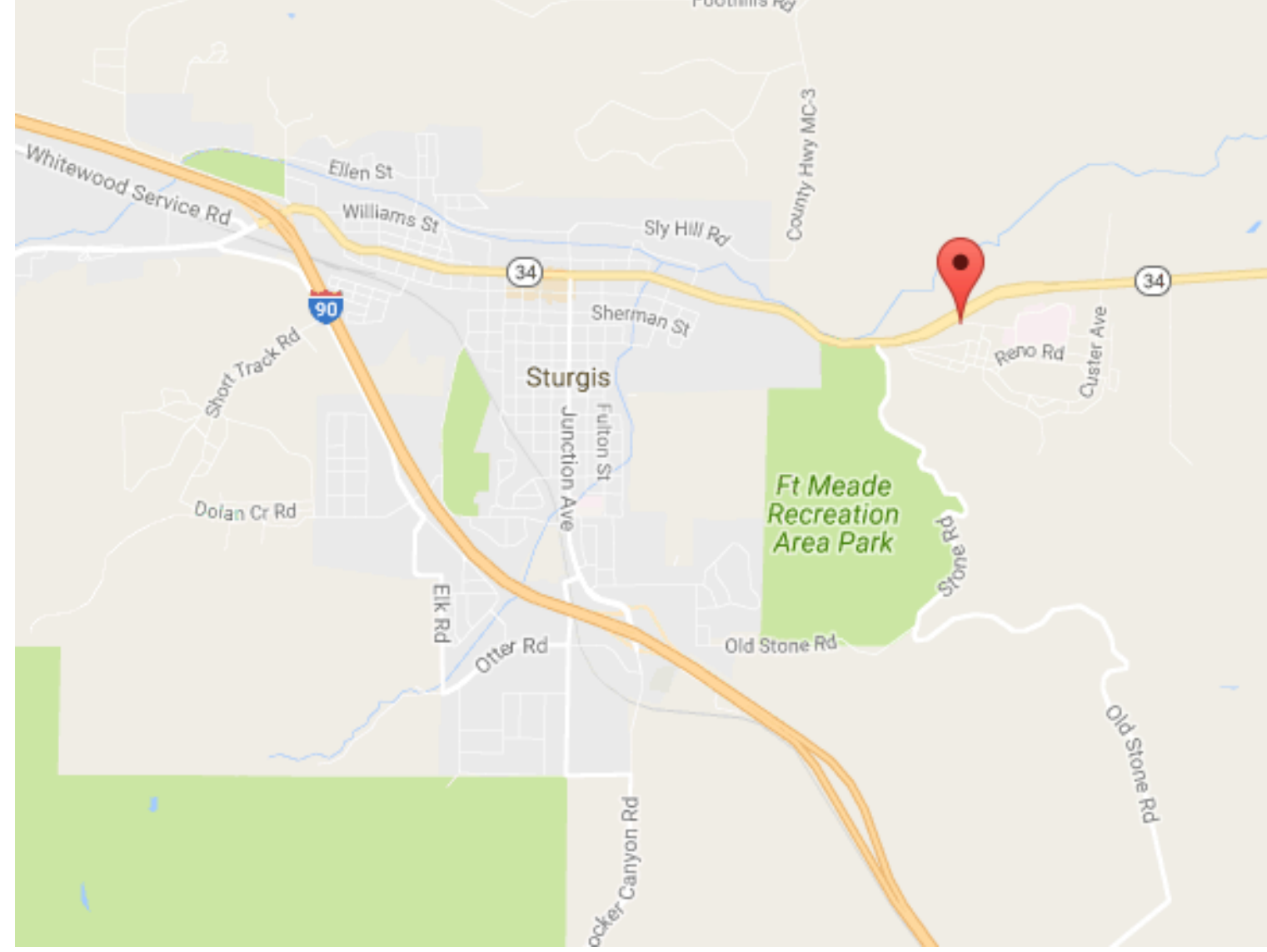
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	10
	TOTAL SHEET COUNT: 54

SITE MAP



VICINITY MAP



COMMON ABBREVIATIONS

SYMBOLS USED AS ABBREVIATIONS	ABBREVIATIONS	SYMBOLS USED AS ABBREVIATIONS	ABBREVIATIONS	SYMBOLS USED AS ABBREVIATIONS	ABBREVIATIONS	SYMBOLS USED AS ABBREVIATIONS	ABBREVIATIONS	
A AND	CAB CABINET	(E) EXISTING	HB HOSE BIB	(N) NEW	S SOUTH	UG UNDERGROUND		
L ANGLE	CB CERAMIC BASE	E EAST	HC HANDICAP / HOLLOW CORE	N NORTH	SB SPLASH BLOCK	UH UNIT HEATER		
LL DOUBLE ANGLE	CD CONSTRUCTION DOCUMENTS	EA EACH	HD HEAVY DUTY	NA NOT APPLICABLE	SC SOLID CORE	UNFIN UNFINISHED		
@ AT	CEM CEMENT	EF EACH FACE	HDR HEADER	NIC NOT IN CONTRACT	SCHED SCHEDULE	UNO UNLESS NOTED OTHERWISE		
F PENNEY	CF CUBIC FEET OR FOOT	EJ EXPANSION JOINT	HWDR HARDWARE	NO NUMBER	SCR SHOWER CURTAIN ROD	UNON UNLESS OTHERWISE NOTED		
Ø FOUND OR NUMBER	CG CORNER GUARD	EL ELEVATION	HM HOLLOW METAL	NOM NOMINAL	SD SOAP DISPENSER	UTL UTILITY		
Ø ROUND OR DIAMETER	CIPC CAST-IN-PLACE CONCRETE	ELEV ELEVATOR	HR HOUR	OC ON CENTER	SO SQUARE FOOT	V VERTICAL		
	CL CONTROL/CONSTRUCTION JOINT	EN ENLARGED	HT HEIGHT	OD OUTSIDE DIAMETER	SHT SHEET	VAR VARIES		
	CLO CEILING	EMER EMERGENCY	HRZV HORIZONTAL	OFCI OWNER FURNISHED / CONTRACTOR INSTALLED	SHTG SHEATHING	VCT VINYL COMPOSITION TILE		
	CLG CAULKING	ENGR ENGINEER	HIAC HEATING, VENTILATION, AIR-CONDITIONING	OFDI OWNER FURNISHED / OWNER INSTALLED	SM SIMILAR	VERT VERTICAL		
	CLR CLEAR, CLEARANCE	EOPM ETHYLENE PROPYLENE DIENE MONOMER		OH OVERHEAD	SND SANITARY NAPKIN DISPENSER	VEST VESTIBULE		
	CMU CONCRETE MASONRY UNIT			OPP OPPOSITE	SNX SANITARY NAPKIN DISPOSAL	VIF VERIFY IN FIELD		
	CO CHANGE ORDER/CLEAN OUT			OPG OPENING	STC STANDARD TRANSMISSION CLASS STANDARD	VR VAPOR RETARDER		
	COL COLUMN			ORIG ORIGINAL	STL STEEL	VWC VINYL WALL COVERING		
	COMB COMBINATION			ORO OVERFLOW ROOF DRAIN	SS SOLID SURFACE MATERIAL	W WEST WIDTH		
	COMP COMPOSITE/COMPOSITION			EST ESTIMATE	SS STAINLESS STEEL	W/O WITHOUT		
	CONC CONCRETE			EQ EQUIPMENT	ST STREET	WA WEDGE ANCHOR		
	CONN CONNECT (ION)			ES EACH SIDE	STC STANDARD TRANSMISSION CLASS STANDARD	WB WOOD BASE		
	CONST CONSTRUCTION			ETC ET CETERA	STR STRUCTURAL	WDW WINDOW		
	CONT CONTINUOUS/CONTINUE			INTR INTRUSION	SUS SUSPENDED	WF (W) WIDE FLANGE		
	CONTR CONTRACT (OR)			INSUL INSULATE (I), INSULATION	SW SHEET VINYL	WH WATER HEATER		
	COORD COORDINATE			INT INTERIOR	SW SHERMANTON	WI WROUGHT IRON		
	CORR CORRUGATED/CORRIDOR			EXH EXHAUST	PNL PANEL	WL WALL LOAD		
	CPT CARPET			EXP EXPANSION EXPOSED	PR PAIR/PROPOSAL REQUEST	WP WATERPROOF (ING)		
	CSMT CASEMENT			EXT EXTERIOR	PRC PREFABRICATED CONCRETE	WSCT WAINSCOT		
	CT CERAMIC TILE			EW EACH WAY	PLAM PLASTIC LAMINATE	WT WEIGHT/LOAD TREATMENT		
	CTR CARPET TILE BASE			INT INTERIOR	PLYWD PLYWOOD	WVF WELDED WIRE FABRIC		
	CTR CENTER			KEY KEYED CONSTRUCTION JOINT	PRC PREFABRICATED CONCRETE			
	DA DEPTH			KNCK KNOCK OUT	PS POUNDS PER SQUARE INCH			
	DBL DOUBLE			LAB LABORATORY	PT POUND PER SQUARE FOOT			
	DEM DEMOLITION, DEMOLISH			LAM LAMINATE (ED)	PTD PAPER TOWEL DISPENSER			
	DEPT DEPARTMENT			LAV LAVATORY	PTN PARTITION			
	DET DETAIL			LF LINEAR FEET	PTR PAPER TOWEL RECEPTACLE			
	DF DRINKING FOUNTAIN			LH LEFT HAND	PLV POLYVINYL CHLORIDE			
	DIA DIAMETER			LKR LOCKER	PLG PLUMBING			
	DIMS DIMENSION			LONG LONGITUDINAL	QT QUARRY TILE			
	DMG DIMENSION			LT LIGHT				
	DIV DIVISION			LOC LOCATION				
	DISP DISPENSER			LONG LONGITUDINAL				
	DN DOWN			FOS FACE OF CONCRETE				
	DR DOOR			FUR FACE OF MASONRY				
	DS DOWNSPOUT			FOS FACE OF STUD				
	DW DISHWASHER			FR FACE OF FINISH				
	DWG DRAWING (S)			FR RESISTANT FRAME				
	DWR DRAWER			FRR FIBERGLASS REINFORCED PANEL				
	DWTR DUMBWATER			FIS FLOOR SINK				
				FT FOOT, FEET/FIRE TREATED				
				FTG FOOTING				
				FUR FURRING				
				GA GAGE, GAUGE				
				GB GRAB BAR				
				GC GENERAL CONTRACTOR				
				GL GALVANIZED IRON				
				GL GLASS				
				GLU LAM (GLUE LAMINATED) (BEAM)				
				GWB GYPSUM WALL BOARD				
				GVP GYPSUM				

SYMBOLS LEGEND

	BATT INSULATION		DETAIL INDICATOR
	GYPSUM BOARD		DETAIL INDICATOR
	EARTH		DETAIL INDICATOR
	CONCRETE		DETAIL INDICATOR
	RIGID INSULATION		DETAIL INDICATOR
	EXISTING CONSTRUCTION TO BE REMOVED		DETAIL INDICATOR
	NEW CONSTRUCTION		DETAIL INDICATOR
	WOOD ROUGH (CONTINUOUS)		BUILDING SECTION INDICATOR
	WOOD ROUGH (SPACED)		ELEVATION INDICATOR, EXTERIOR
	PLYWOOD		ELEVATION INDICATOR, EXTERIOR
	BLOCK WALL/VENEER		ELEVATION INDICATOR, EXTERIOR
	DIMENSION LINE		ELEVATION INDICATOR, INTERIOR
	BREAK LINE		ELEVATION INDICATOR, INTERIOR
	ROOM NAME AND NUMBER		ELEVATION INDICATOR
	KEYNOTE		CENTER LINE
	DOOR OPENING/BORROWED LIGHT IDENTIFIER		NORTH ARROW
	INTERIOR PARTITION TYPES		NORTH ARROW
	FURNITURE, FIXTURE, & EQUIPMENT INDICATOR		DRAWING BLOCK TITLE, TYPICAL
	FIRE EXTINGUISHER CABINET		GRID LINES
	CORNER GUARD		

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:	STRUCTURAL:
West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-349-7465	Albertson Engineering, Inc. 2302 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-9609

ARCHITECT OF RECORD

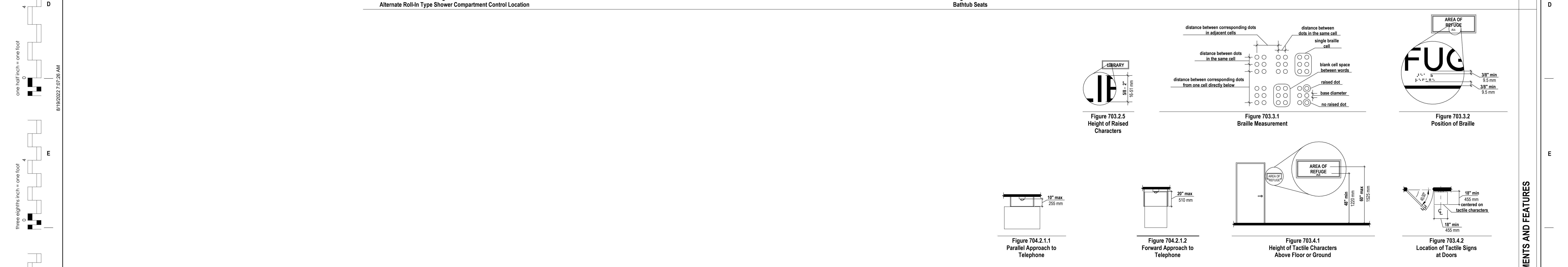
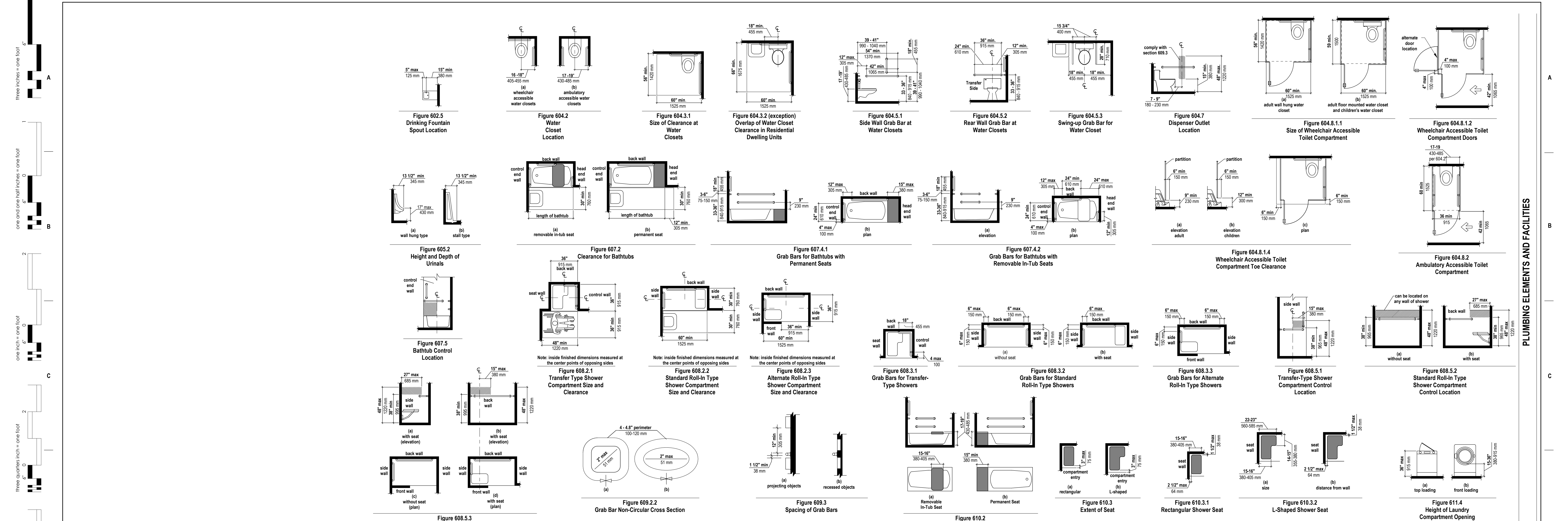
A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144	
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STAMP

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

Drawing Title COVER SHEET	Phase CONSTRUCTION DOCUMENTS
Approved:	Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD
	Location FORT MEADE, SOUTH DAKOTA
	Issue Date 08/05/22
	Checked JHK
	Drawn RMV/DAN

Project Number VA #568-20-102 SGA #211937	Building Number 148	Drawing Number GI-000
FULLY SPRINKLERED		



CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-349-7465		STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-8609		ARCHITECT OF RECORD A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title: ACCESSIBILITY DETAILS		Phase: CONSTRUCTION DOCUMENTS		Project Title: VA FM UPGRADE MENTAL HEALTH LOCK WARD		Project Number: VA #568-20-102 SGA #211937	
Approved:		Fully Sprinklered		Location: FORT MEADE, SOUTH DAKOTA		Issue Date: 08/05/22		Checked: JHK		Drawn: RMV/DAN		Building Number: 148		Drawing Number: GI-002	

GENERAL CODE PLAN NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- B. SMOKE SEALS ON ALL RATED DOORS.
- C. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

BUILDING CODES, GUIDES, MANUALS

NOTE: ALL WORK IS TO BE PERFORMED TO THE LATEST EDITION OF THE FOLLOWING CODES, ORDINANCES, AND LAWS WHICH INCLUDE, BUT ARE NOT LIMITED TO:

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE INFORMATION ON THE TECHNICAL INFORMATION LIBRARY (TL)
- INTERNATIONAL BUILDING CODE (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS)
- NFPA 101 LIFE SAFETY CODE
- 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)
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- ARCHITECTURAL BARRIER ACT ACCESSIBILITY STANDARDS (ABAS) INCLUDING VA SUPPLEMENT BARRIER FREE DESIGN GUIDE PG-18-13
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPACT)
- DOE INTERIM FINAL RULE, ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 15 CFR PARTS 431, 434, AND 435
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13803: STRENGTHENING FEDERAL ENVIRONMENT, ENERGY, AND TRANSPORTATION MANAGEMENT.
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 IF THE VA MASTER CONSTRUCTION SPECIFICATION.
- VENTILATION FOR THE ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004.
- SAFETY STANDARDS FOR RESTRICTION SYSTEMS - ASHRAE STANDARD 15 - 2007
- ASME SAFETY CODE FOR ELEVATORS - A17.1, A17.3, A17.5, A17.8, A18.1
- STANDARDS FOR THE QUALIFICATION OF ELEVATOR INSPECTORS - ASME QEE-1
- GUIDE FOR INSPECTION OF ELEVATORS - A17.2
- AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE) - PERSONNEL HOSTS AND EMPLOYEE ELEVATORS ON CONSTRUCTION AND DEMOLITION OPERATIONS A10.4

GENERAL PHASING NOTES:

- A. COORDINATION WITH DEPARTMENTAL AND FACILITY STAFFING IS REQUIRED TO MAINTAIN OPERATIONS.
- B. ALL WORK MUST BE COMPLETED TO MINIMALLY IMPACT PATIENT SERVICES.
- C. AT ALL TIME, ACCESS TO CONSTRUCTION AREAS MUST BE SECURE AN ALL MATERIALS, EQUIPMENT AND TOOLS MUST BE BEHIND LOCKED DOORS.
- D. ACCESS TO LOCKED WARD PORTIONS EXCEPT PER PHASING IS STRICTLY PROHIBITED.

BUILDING CODE SUMMARY

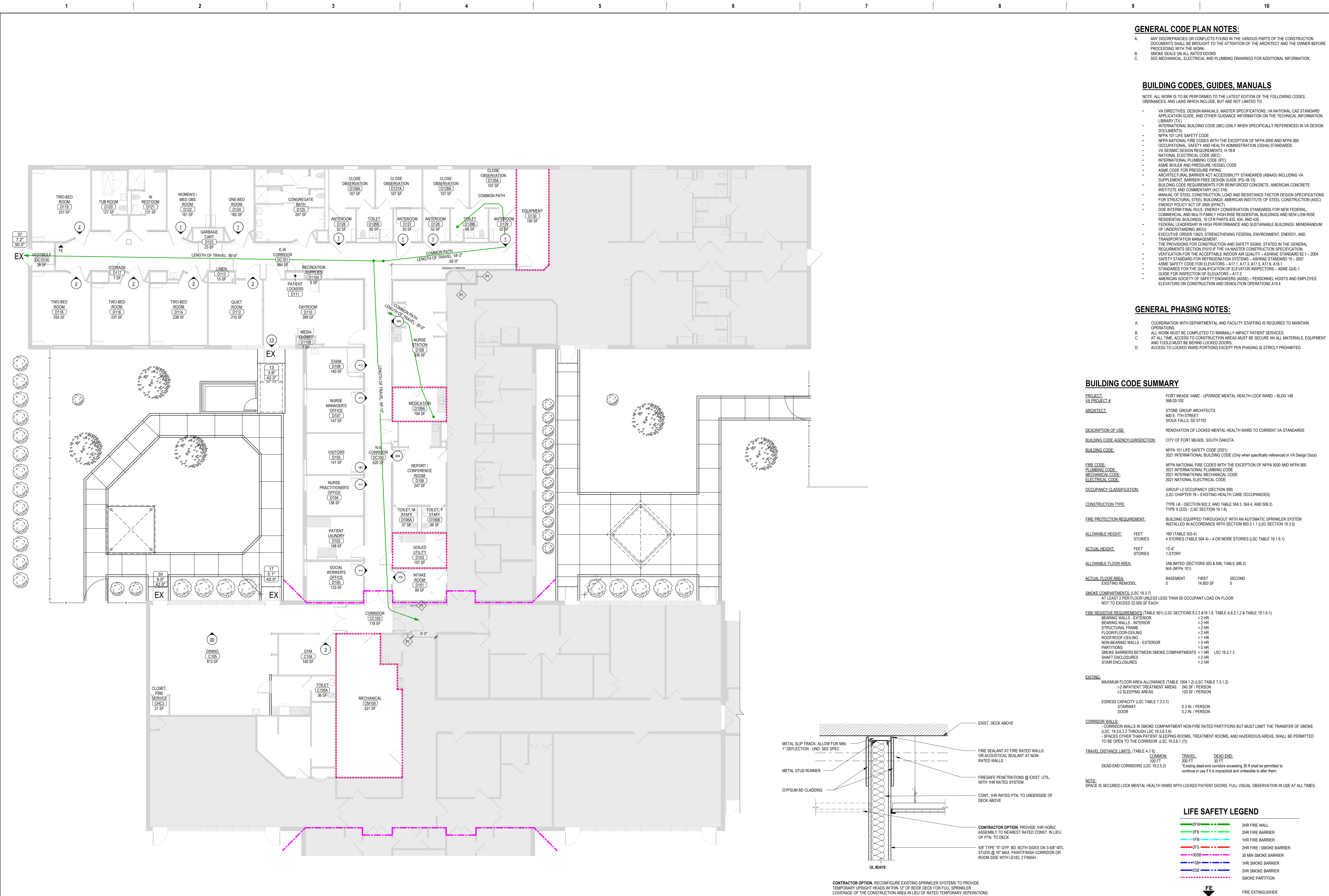
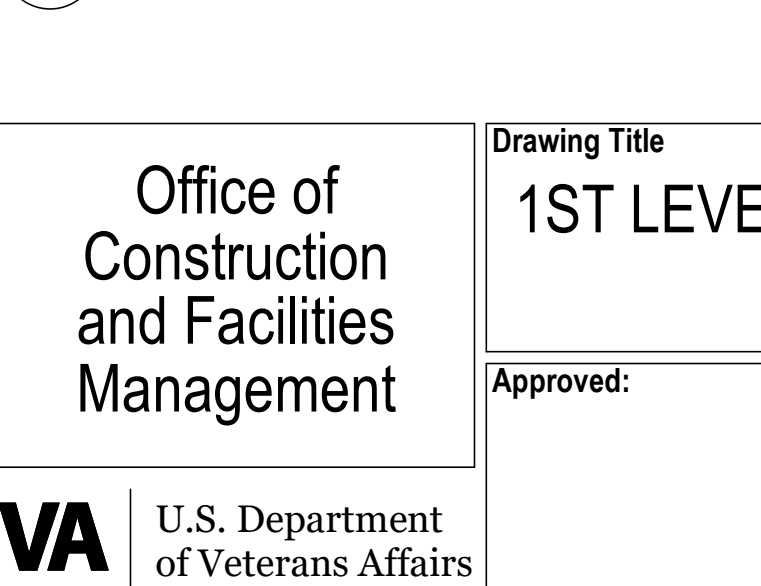
PROJECT:	FORT MEADE VAMC - UPGRADE MENTAL HEALTH LOCK WARD - BLDG 148
VA PROJECT #:	588-20-102
ARCHITECT:	STONE GROUP ARCHITECTS 600 E. 7TH STREET SIOUX FALLS, SD 57103
DESCRIPTION OF USE:	RENOVATION OF LOCKED MENTAL HEALTH WARD TO CURRENT VA STANDARDS
BUILDING CODE AGENCY/JURISDICTION:	CITY OF FORT MEADE, SOUTH DAKOTA
BUILDING CODE:	NFPA 101 LIFE SAFETY CODE (2021) 2021 INTERNATIONAL BUILDING CODE (Only when specifically referenced in VA Design Docs)
FIRE CODE:	NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
PLUMBING CODE:	2021 INTERNATIONAL PLUMBING CODE
MECHANICAL CODE:	2021 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE:	2021 NATIONAL ELECTRICAL CODE
OCCUPANCY CLASSIFICATION:	GROUP I-2 OCCUPANCY (SECTION 308) (LSC CHAPTER 19 - EXISTING HEALTH CARE OCCUPANCIES)
CONSTRUCTION TYPE:	TYPE I-B - (SECTION 602.2, AND TABLE 504.3, 504.4, AND 506.2) TYPE II (222) - (LSC SECTION 19.1.6)
FIRE PROTECTION REQUIREMENT:	BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1 (LSC SECTION 19.3.3)
ALLOWABLE HEIGHT:	FEET 18' (TABLE 503.4) 4 STORIES (TABLE 504.4) - 4 OR MORE STORIES (LSC TABLE 19.1.6.1)
ACTUAL HEIGHT:	FEET 13'-6" 1-STORY
ALLOWABLE FLOOR AREA:	UNLIMITED (SECTIONS 503 & 506, TABLE 506.2) N/A (NFPA 101)
ACTUAL FLOOR AREA:	BASEMENT 14,803 SF EXISTING REMODEL 0
SMOKE COMPARTMENTS (LSC 19.3.7):	AT LEAST 2 PER FLOOR UNLESS LESS THAN 50 OCCUPANT LOAD ON FLOOR NOT TO EXCEED 22,500 SF EACH
FIRE RESISTIVE REQUIREMENTS (TABLE 601) (LSC SECTIONS 8.2.3, 8.19.1.6, TABLE A.8.2.1.2 & TABLE 19.1.6.1)	BEARING WALLS - EXTERIOR = 2 HR BEARING WALLS - INTERIOR = 2 HR STRUCTURAL FRAME = 2 HR FLOOR/FLOOR CEILING = 2 HR ROOF/ROOF CEILING = 1 HR NON-BEARING WALLS - EXTERIOR = 0 HR PARTITIONS = 0 HR SMOKE BARRIERS BETWEEN SMOKE COMPARTMENTS = 1 HR (LSC 19.3.7.3) SHAFT ENCLOSURES = 2 HR STAIR ENCLOSURES = 2 HR
EXITING:	MAXIMUM FLOOR AREA ALLOWANCE (TABLE 1004.1.2) (LSC TABLE 7.3.1.2) I-2 INPATIENT TREATMENT AREAS 240 SF / PERSON I-2 SLEEPING AREAS 120 SF / PERSON
EGRESS CAPACITY (LSC TABLE 7.3.3.1)	STAIRWAY 0.3 IN / PERSON DOOR 0.2 IN / PERSON
CORRIDOR WALLS:	- CORRIDOR WALLS IN SMOKE COMPARTMENT NON-FIRE RATED PARTITIONS BUT MUST LIMIT THE TRANSFER OF SMOKE. (LSC 19.3.6.2.2 THROUGH LSC 19.3.6.2.6) - SPACES OTHER THAN PATIENT SLEEPING ROOMS, TREATMENT ROOMS, AND HAZARDOUS AREAS, SHALL BE PERMITTED TO BE OPEN TO THE CORRIDOR. (LSC 19.3.6.1.7)
TRAVEL DISTANCE LIMITS (TABLE A.7.6)	COMMON: TRAVEL: 200 FT DEAD END: 50 FT DEAD-END CORRIDORS (LSC 19.2.5.2): TRAVEL: 100 FT DEAD END: 30 FT Existing dead-end corridors exceeding 30 ft shall be permitted to continue in use if it is impractical and unfeasible to alter them.
NOTE:	SPACE IS SECURED LOCK MENTAL HEALTH WARD WITH LOCKED PATIENT DOORS. FULL VISUAL OBSERVATION IN USE AT ALL TIMES.

LIFE SAFETY LEGEND

- 2HR FIRE WALL
- 2HR FIRE BARRIER
- 1HR FIRE BARRIER
- 2HR FIRE / SMOKE BARRIER
- 30MIN SMOKE BARRIER
- 1HR SMOKE BARRIER
- 2HR SMOKE BARRIER
- SMOKE PARTITION
- FIRE EXTINGUISHER

FIRE RATED TEMPORARY DUST PARTITION

G8 1 1/2" = 1'-0"



F2 1ST LEVEL CODE PLAN

1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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Phone: 605-340-7465

STRUCTURAL:
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2302 W. Main St., EC
Rapid City, South Dakota 57702
Phone: 605-343-9609

ARCHITECT OF RECORD

A/E:
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144



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

Drawing Title	1ST LEVEL LIFE SAFETY PLAN
Phase	CONSTRUCTION DOCUMENTS
Project Title	VA FM UPGRADE MENTAL HEALTH LOCK WARD
Location	FORT MEADE, SOUTH DAKOTA
Issue Date	08/05/22
Checked	JHK
Drawn	RMV/DAN
Project Number	VA #568-20-102 SGA #211937
Building Number	148
Drawing Number	GI-003

GENERAL CODE PLAN NOTES:

- ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- SMOKE SEALS ON ALL RATED DOORS.
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

BUILDING CODE SUMMARY

PROJECT: FORT MEADE VAMC - UPGRADE MENTAL HEALTH LOCK WARD - BLDG 148
VA PROJECT #: 568-20-102
ARCHITECT: STONE GROUP ARCHITECTS
 600 E. 7TH STREET
 SIOUX FALLS, SD 57103

DESCRIPTION OF USE: RENOVATION OF LOCKED MENTAL HEALTH WARD TO CURRENT VA STANDARDS

BUILDING CODE AGENCY/JURISDICTION: CITY OF FORT MEADE, SOUTH DAKOTA

BUILDING CODE: NFPA 101 LIFE SAFETY CODE (2021)
 2021 INTERNATIONAL BUILDING CODE (Only when specifically referenced in VA Design Docs)

FIRE CODE: NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
PLUMBING CODE: 2021 INTERNATIONAL PLUMBING CODE
MECHANICAL CODE: 2021 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE: 2021 NATIONAL ELECTRICAL CODE

OCCUPANCY CLASSIFICATION: GROUP I-2 OCCUPANCY (SECTION 308)
 (LSC CHAPTER 19 - EXISTING HEALTH CARE OCCUPANCIES)

CONSTRUCTION TYPE: TYPE I-B - (SECTION 602.2, AND TABLE 504.3, 504.4, AND 506.2)
 TYPE II (222) - (LSC SECTION 19.1.6)

FIRE PROTECTION REQUIREMENT: BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM
 INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (LSC SECTION 19.3.5)

ALLOWABLE HEIGHT: FEET 160' (TABLE 503.4)
 STORES 4 STORES (TABLE 504.4) - 4 OR MORE STORES (LSC TABLE 19.1.6.1)

ACTUAL HEIGHT: FEET 13'-6"
 STORES 1 STORY

ALLOWABLE FLOOR AREA: UNLIMITED (SECTIONS 503 & 506, TABLE 506.2)
 N/A (NFPA 101)

ACTUAL FLOOR AREA: BASEMENT 0 FIRST 14,803 SF SECOND 0

SMOKE COMPARTMENTS: (LSC 19.3.7)
 AT LEAST 2 PER FLOOR UNLESS LESS THAN 50 OCCUPANT LOAD ON FLOOR
 NOT TO EXCEED 22,500 SF EACH

FIRE RESISTIVE REQUIREMENTS: (TABLE 601) (LSC SECTIONS 8.2.3, 8.19.1.6, TABLE A.8.2.1.2 & TABLE 19.1.6.1)

BEARING WALLS - EXTERIOR = 2 HR
BEARING WALLS - INTERIOR = 2 HR
STRUCTURAL FRAME = 2 HR
FLOOR/FLOOR/CEILING = 2 HR
ROOF/ROOF-CEILING = 1 HR
NON-BEARING WALLS - EXTERIOR = 0 HR
PARTITIONS = 0 HR
SMOKE BARRIERS BETWEEN SMOKE COMPARTMENTS = 1 HR LSC 19.3.7.3
SHAFT ENCLOSURES = 2 HR
STAIR ENCLOSURES = 2 HR

EXITING: MAXIMUM FLOOR AREA ALLOWANCE (TABLE 1004.1.2) (LSC TABLE 7.3.1.2)
 I-2 INPATIENT TREATMENT AREAS 240 SF / PERSON
 I-2 SLEEPING AREAS 120 SF / PERSON

EGRESS CAPACITY: (LSC TABLE 7.3.3.1)
 STAIRWAY 0.3 M / PERSON
 DOOR 0.2 M / PERSON

CORRIDOR WALLS:
 - CORRIDOR WALLS IN SMOKE COMPARTMENT NON-FIRE RATED PARTITIONS BUT MUST LIMIT THE TRANSFER OF SMOKE. (LSC 19.3.6.2.2 THROUGH LSC 19.3.6.2.6)
 - SPACES OTHER THAN PATIENT SLEEPING ROOMS, TREATMENT ROOMS, AND HAZARDOUS AREAS, SHALL BE PERMITTED TO BE OPEN TO THE CORRIDOR. (LSC 19.3.6.1 (7))

TRAVEL DISTANCE LIMITS: (TABLE A.7.6)

	COMMON	TRAVEL	DEAD END
STAIRWAY	100 FT	200 FT	50 FT
DOOR	100 FT	200 FT	50 FT

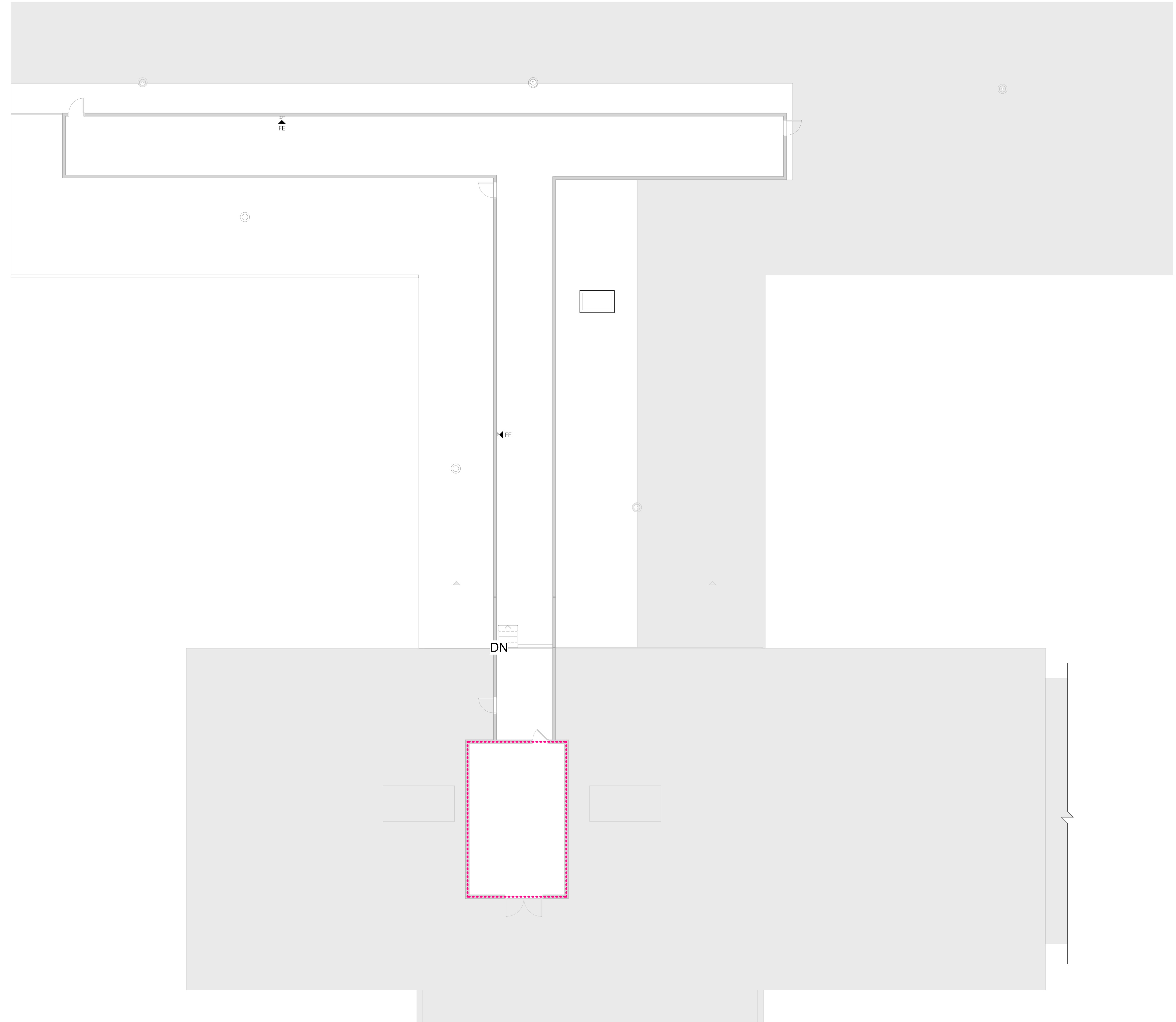
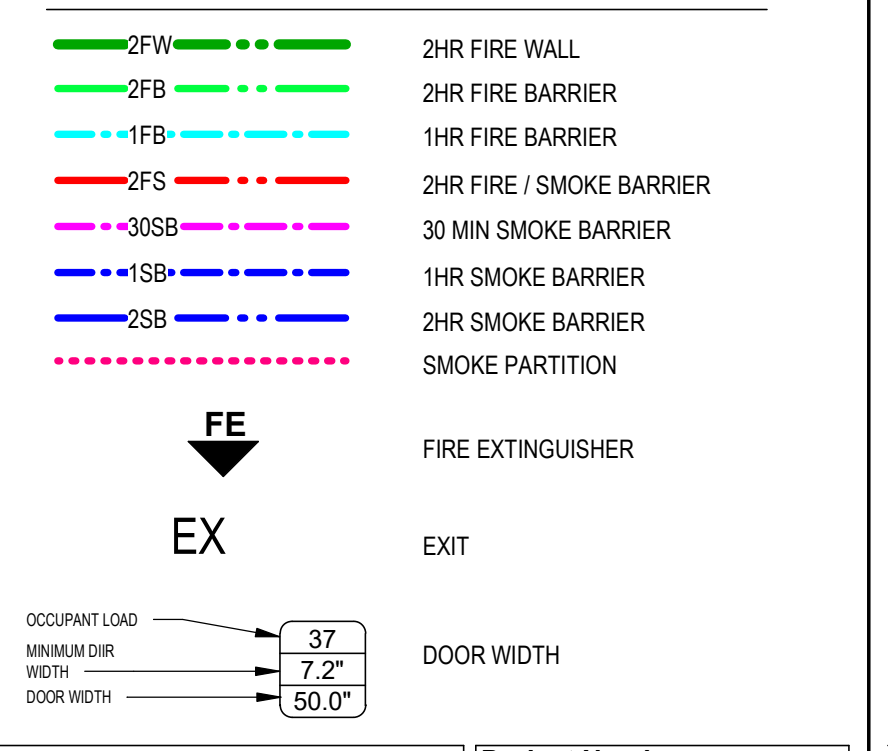
DEAD-END CORRIDORS (LSC 19.2.5.2)
 *Existing dead end corridors exceeding 30 ft shall be permitted to continue in use if it is impractical and unfeasible to alter them.

NOTE:
 SPACE IS SECURED LOCK MENTAL HEALTH WARD WITH LOCKED PATIENT DOORS. FULL VISUAL OBSERVATION IN USE AT ALL TIMES.

BUILDING CODES, GUIDES, MANUALS

- NOTE: ALL WORK IS TO BE PERFORMED TO THE LATEST EDITION OF THE FOLLOWING CODES, ORDINANCES, AND LAWS WHICH INCLUDE, BUT ARE NOT LIMITED TO:
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE INFORMATION ON THE TECHNICAL INFORMATION LIBRARY (TIL)
 - INTERNATIONAL BUILDING CODE (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS)
 - NFPA 101 LIFE SAFETY CODE
 - NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
 - VA SEISMIC DESIGN REQUIREMENTS, 15-16-8
 - NATIONAL ELECTRICAL CODE (NEC)
 - INTERNATIONAL PLUMBING CODE (IPC)
 - ASME BOILER AND PRESSURE VESSEL CODE
 - ASME CODE FOR PRESSURE PIPING
 - ARCHITECTURAL BARRIER ACT ACCESSIBILITY STANDARDS (ABAS) INCLUDING VA SUPPLEMENT, BARRIERS FREE DESIGN GUIDE (PG-19-13)
 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
 - MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
 - ENERGY POLICY ACT OF 2005 (EPACT)
 - DOE INTERIM FINAL RULE, ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL, AND MULTIFAMILY 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 (MUI)
 - EXECUTIVE ORDER 13423, STRENGTHENING FEDERAL ENVIRONMENT, ENERGY, AND TRANSPORTATION MANAGEMENT
 - THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION
 - VENTILATION FOR THE ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1 - 2004
 - SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15 - 2007
 - ASME SAFETY CODE FOR ELEVATORS - A17.1, A17.3, A17.5, A17.6, A17.1
 - STANDARDS FOR THE QUALIFICATION OF ELEVATOR INSPECTORS - ASME QLE-1
 - GUIDE FOR INSPECTION OF ELEVATORS - A17.2
 - AMERICAN SOCIETY OF SAFETY ENGINEERS ASSOCIATION - PERSONNEL, HOISTS AND EMPLOYEE ELEVATORS ON CONSTRUCTION AND DEMOLITION OPERATIONS A10.4

LIFE SAFETY LEGEND



G2 2ND LEVEL CODE PLAN
 1/8" = 1'-0"

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STONE GROUP ARCHITECTS

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

Drawing Title
2ND LEVEL LIFE SAFETY PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
**VA #568-20-102
 SGA #211937**

Building Number
148

Drawing Number
GI-004

GENERAL STRUCTURAL NOTES

GENERAL NOTES:

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACINGS AND ACCOMPANYING FOOTINGS, GUYS OR TIE-DOWNS.
- ADDITIONAL OBSERVATIONS AS A RESULT OF REJECTION OF WORK COMPLETED AND/OR ADDITIONAL OBSERVATIONS DUE TO THE DEFICIENCIES IN WORK OBSERVED WILL BE AT THE EXPENSE OF THE CONTRACTOR.
- ALL STRUCTURAL SHOP DRAWINGS TO BE REVIEWED BY JOB SUPERINTENDENT IN ADDITION TO ALL PERSONNEL DEEMED NECESSARY BY CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER FOR APPROVAL.
- ALL SHOP DRAWINGS TO BE MARKED BY ALBERTSON ENGINEERING INC. SHALL HAVE ELECTRONIC COPIES PROVIDED TO ALBERTSON ENGINEERING INC. FOR REVIEW. AN ELECTRONIC MARKED SET OF THE SHOP DRAWINGS WILL BE RETURNED TO THE CONTRACTOR. NO ADDITIONAL HARD COPIES OF THE SHOP DRAWINGS NEED TO BE PROVIDED TO ALBERTSON ENGINEERING INC., ALTHOUGH OTHER PARTIES MAY REQUIRE HARD COPIES OF THE MARKED UP DRAWINGS. THESE REQUIREMENTS ARE IN ADDITION TO THE TYPICAL PROJECT SHOP DRAWING SUBMITTAL REQUIREMENTS STATED IN THE PROJECT SPECIFICATIONS.

DESIGN CODES:

- 2018 INTERNATIONAL BUILDING CODE.
- AISC 360-16 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS.
- ASIS 100-16 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
- ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES.
- SDI RD-2017 STANDARD FOR STEEL ROOF DECK.

DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS BASED ON A RISK CATEGORY II:

ROOF SNOW LOAD	30 PSF + DRIFT
GROUND SNOW LOAD	43 PSF
SNOW EXPOSURE FACTOR	1.0
SNOW THERMAL FACTOR	1.0
SNOW IMPORTANCE FACTOR	1.0
DEAD LOAD (EXISTING)	20 PSF
DEAD LOAD (NEW)	10 PSF
LIVE LOAD	20 PSF (REDUCIBLE)

WIND:

ULTIMATE WIND SPEED	111 MPH
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	0.18
COMPONENT AND CLADDING PRESSURES	SEE TABLE ON SHEET S-003

SEISMIC:

SEISMIC DESIGN CATEGORY	A
SITE CLASSIFICATION	D
DESIGN BASE SHEAR ANALYSIS PROCEDURE	0.01W
EQUIVALENT LATERAL FORCE PROCEDURE	

PENETRATIONS:

NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THESE DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE ENGINEER.

STRUCTURAL STEEL:

- STEEL SHALL CONFORM TO ASTM A500 (F_y=45 KSI) FOR ALL H-SHAPES, AND ASTM A36 (F_y=36 KSI) FOR ALL OTHER MISCELLANEOUS SHAPES AND PLATES. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B OR GRADE C (F_y=46 KSI). STRUCTURAL PIPE SHALL CONFORM TO ASTM A53, GRADE B, TYPE "E" OR "D" (F_y=35 KSI).
- STEEL SHALL CONFORM TO THE LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS.
- ALL SHOP CONNECTIONS TO BE WELDED (UTILIZING E70XX ELECTRODES) AND FIELD CONNECTIONS TO BE BOLTED, UNLESS OTHERWISE NOTED. STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH UP COAT OF APPROVED PAINT, EXCEPT WHERE GALVANIZED IS INDICATED ON THE DRAWINGS.
- ALL SHOP CONNECTIONS TO BE WELDED (UTILIZING E70XX ELECTRODES) AND FIELD CONNECTIONS TO BE BOLTED, UNLESS OTHERWISE NOTED. STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH UP COAT OF APPROVED PAINT, EXCEPT WHERE GALVANIZED IS INDICATED ON THE DRAWINGS.
- ALL BOLTED CONNECTIONS SHALL CONSIST OF 3/4" DIA. (MN.) F3125 GR A325 OR F1552 BOLTS, UNLESS NOTED OTHERWISE.
 - FAILURE OF A BOLT OR NUT DURING INSTALLATION PROCESS RESULTING IN A CRACK IN THE BOLT OR NUT SHALL BE GROUNDS FOR REJECTION OF ALL THE FAILED BOLTS OR NUTS COMING FROM THE SAME LOT. IF THE DOCUMENTATION OF THE LOT OF ORIGIN FOR THE FAILED NUT(S) OR BOLT(S) DOES NOT EXIST, OR IS NOT PROVIDED, THEN ALL OF THE BOLT(S) OR NUT(S) SHALL BE ASSUMED TO COME FROM THE LOT CONTAINING THE FAILED NUT(S) OR BOLT(S).
- CONTRACTOR SHALL MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL WITHIN AISC'S CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

STEEL ROOF DECK:

- STEEL ROOF DECK SHALL BE 3" DEEP, 20 GAUGE PAINTED WIDE RIBBED STEEL ROOF DECK (30-20GA) AND SHALL CONFORM TO THE PROVISIONS OF THE STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR STEEL ROOF DECK.
- STEEL ROOF DECKS ARE DESIGNED AS HORIZONTAL DIAPHRAGMS AND SHALL BE ATTACHED TO SUPPORTS IN SUI PATTERNS AS INDICATED ON THE DRAWINGS.
- DECKING SHALL HAVE MINIMUM OF (3) SPANS.

COLD FORMED LIGHT GAUGE STRUCTURAL STEEL:

- STEEL STUD, TRACK, AND LINTEL MEMBERS SHALL BE OF THE TYPE SHOWN ON THE DRAWINGS AND IN THE SPECIFICATIONS AND SHALL CONFORM TO ASTM A633 STRUCTURAL QUALITY GRADE 33 FOR 18 GAUGE THICKNESS OR LESS, AND ASTM A633 STRUCTURAL QUALITY GRADE 50 CLASS 1 FOR 16 GAUGE OR GREATER. MEMBERS SHALL HAVE HOT DIPPED GALVANIZED COATINGS CONFORMING TO ASTM A82, CLASS G60.
- METAL STUD AND JOIST MEMBERS SHALL CONFORM TO THE FOLLOWING MINIMUM AISC SECTIONS:
 - 6"x18 GA : 600 S 162-43
 - 8"x18 GA : 600 S 162-43
 - 10"x18 GA : 1000 S 162-54
- ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED TO FIT SQUARELY AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN PLACE UNTIL PROPERLY JOINED.
- JOINING OF STRUCTURAL MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR WELDED. WIRE TYING OF FRAMING MEMBERS IN STRUCTURAL APPLICATIONS SHALL NOT BE PERMITTED.
- ATTACHMENT OF COLLATERAL MATERIALS TO STEEL MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR HARDENED SCREW SHANK NAILS. METAL LATH MAY ALSO BE CONNECTED TO STEEL BY STAPLES OR OTHER FASTENERS, IF APPROVED BY LOCAL BUILDING CODES.
- STUDS SHALL SIT SQUARELY IN THE TOP AND BOTTOM RUNNER TRACK WITH ABUTMENT AGAINST TRACK WEBS. STUDS SHALL BE ALIGNED OR PLUMBED AND SECURELY FASTENED TO THE FLANGES OF BOTH TOP AND BOTTOM RUNNER TRACKS.
- VERTICAL SLIP CONNECTORS TO ALLOW THE VERTICAL MOVEMENT OF THE SUPPORTING STRUCTURE RELATIVE TO THE STUD SHALL BE VERTICAL SLAB CONNECTORS OR APPROVED EQUAL. CONNECTOR MANUFACTURER RESPONSIBLE FOR PROVIDING DOCUMENTATION THAT CONNECTOR HAS ADEQUATE CAPACITY FOR INSTALLATIONS IN WHICH THEY ARE TO BE INSTALLED, AS WELL AS SPECIFYING THE CONNECTION OF THEIR CONNECTOR TO BOTH THE METAL STUD AND SUPPORTING STRUCTURE.

SPECIAL INSPECTION AND TESTING:

- SEE DETAILED INSPECTION AND TESTING REQUIREMENTS AS INDICATED ON SHEET S-002

STEEL ROOF DECK:

- STEEL ROOF DECK SHALL BE 3" DEEP, 20 GAUGE PAINTED WIDE RIBBED STEEL ROOF DECK (30-20GA) AND SHALL CONFORM TO THE PROVISIONS OF THE STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR STEEL ROOF DECK.
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- STUDS SHALL SIT SQUARELY IN THE TOP AND BOTTOM RUNNER TRACK WITH ABUTMENT AGAINST TRACK WEBS. STUDS SHALL BE ALIGNED OR PLUMBED AND SECURELY FASTENED TO THE FLANGES OF BOTH TOP AND BOTTOM RUNNER TRACKS.
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SPECIAL INSPECTION AND TESTING:

- SEE DETAILED INSPECTION AND TESTING REQUIREMENTS AS INDICATED ON SHEET S-002

SYMBOLS LEGEND

TRUE NORTH	MATCH LINE INDICATOR	ELEVATION INDICATOR	
PLAN NORTH ORIENTED 90° TO THE SHEET W MAGNETIC NORTH (OPTIONAL)			
COLUMN INDICATOR(S)	REVISION SYMBOL	FOOTING/PIER IDENTIFIER	BEAM INDICATOR(S)
DECK INDICATOR			
COLUMN/FND GRID INDICATOR	SLAB JOINT INDICATOR	SECTION INDICATOR	ELEVATION INDICATOR
SCALE: FULL			
DETAIL/SECTION/PLAN BLOCK TITLE INDICATOR			
HOLD DOWN INDICATOR	CORNER REIN INDICATOR	MASONRY PIER INDICATOR	WALL REINFORCING INDICATOR
SLOPE INDICATOR	LINTEL INDICATOR	MOMENT INDICATOR	RAFTER INDICATOR
WORK POINT INDICATOR	ASTERSISK INDICATOR	STEP INDICATOR	CONTINUOUS BEAM INDICATOR
			STEP TOP OF WALL INDICATOR

INDEX TO STRUCTURAL SHEETS

STRUCTURAL SHEET INDEX			
SHT NO	SHEET NAME	FND PKG	FRMG PKG
S-001	STRUCTURAL GENERAL NOTES		
S-002	BC INSPECTION TABLES		
S-003	WIND UPLIFT PLAN		
S-004	SNOW DRIFT PLAN		
S-005	EXISTING ROOF PLAN		
S-102	PENTHOUSE FRAMING PLAN		
S-201	DETAILS		
S-201	TYPICAL DETAILS		

NOTE: ANY DRAWINGS INCLUDED IN THE FRAMING PACKAGE CONTAINED WITHIN THIS SET ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED FOR CONSTRUCTION.

STRUCTURAL HATCH PATTERNS

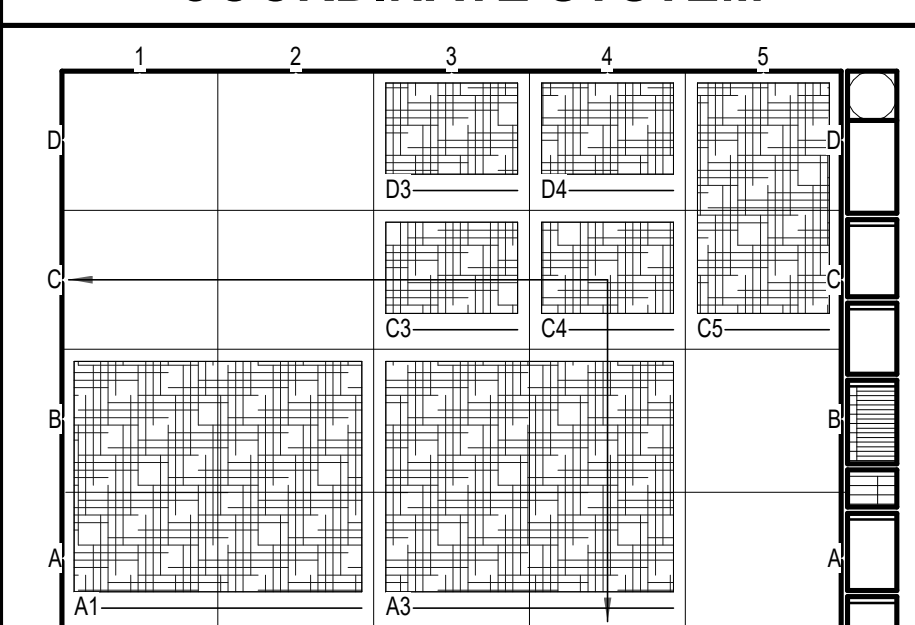
SHEET IDENTIFICATION

S	-	5	0	1
A	A	N	N	N

DISCIPLINE CHARACTER: S
 CHARACTER: A A N N N
 MODIFIER CHARACTER: -
 SHEET TYPE DESIGNATOR: 5 0 1

- SHEET TYPE DESIGNATORS
- GENERAL (SYMBOLS, LEGEND, NOTES, ETC)
 - PLANS (HORIZONTAL VIEWS)
 - ELEVATIONS (VERTICAL VIEWS)
 - SECTIONS (SECTIONAL VIEWS)
 - LARGE SCALE VIEWS (PLANS, ELEV OR SECTIONS, NOT DETAILS)
 - DETAILS
 - SCHEDULES AND DIAGRAMS
 - USER DEFINED
 - USER DEFINED
 - 3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOGRAPHS)

COORDINATE SYSTEM



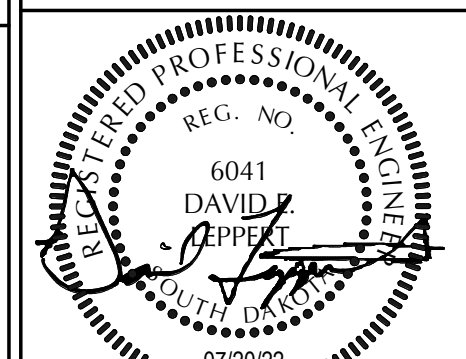
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ARCHITECT OF RECORD

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STAMP



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

Drawing Title STRUCTURAL GENERAL NOTES	Phase CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD	Project Number VA #VA #568-20-102 SGA #211937
Location FORT MEADE, SOUTH DAKOTA	Building Number 148
Issue Date 07/20/2022	Drawn JAB
Checked DEL	Sheet Number S-001

STEEL CONSTRUCTION

TABLE N5.4-1 INSPECTION TASKS PRIOR TO WELDING		
INSPECTION TASKS PRIOR TO WELDING	INSPECTION INTERVAL	REQUIRED ON PROJECT
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	YES
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	P	YES
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	YES
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	YES
WELDER IDENTIFICATION SYSTEM ¹⁴	O	YES
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)		
• JOINT PREPARATION		
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	O	YES
• CLEANLINESS (CONDITION OF STEEL SURFACES)		
• TACKLING (TACK WELD QUALITY AND LOCATION)		
FIT-UP OF C/J, GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING		
• JOINT PREPARATION		
• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	P	YES
• CLEANLINESS (CONDITION OF STEEL SURFACES)		
• TACKLING (TACK WELD QUALITY AND LOCATION)		
CONFIGURATION AND FINISH OF ACCESS HOLES	O	YES
FIT-UP OF FILLET WELDS		
• DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	O	YES
• CLEANLINESS (CONDITION OF STEEL SURFACES)		
• TACKLING (TACK WELD QUALITY AND LOCATION)		
CHECK WELDING EQUIPMENT	O	YES

¹⁴ THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

TABLE N5.4-2 INSPECTION TASKS DURING WELDING		
INSPECTION TASKS DURING WELDING	INSPECTION INTERVAL	REQUIRED ON PROJECT
USE OF QUALIFIED WELDERS	O	YES
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	YES
• PACKAGING		
• EXPOSURE CONTROL		
NO WELDING OVER CRACKED TACK WELDS	O	YES
ENVIRONMENTAL CONDITIONS	O	YES
• WIND SPEED WITHIN LIMITS		
• PRECIPITATION AND TEMPERATURE		
WPS FOLLOWED		
• SETTINGS ON WELDING EQUIPMENT	O	YES
• TRAVEL SPEED		
• SELECTED WELDING MATERIALS		
• SHIELDING GAS TYPE/FLOW RATE		
• PREHEAT APPLIED		
• INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)		
• PROPER POSITION (F, V, H, OH)		
WELDING TECHNIQUES		
• INTERPASS AND FINAL CLEANING	O	YES
• EACH PASS WITHIN PROFILE LIMITATIONS		
• EACH PASS MEETS QUALITY REQUIREMENTS		
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	YES

AISC 360-16 TABLE N5.4-3 INSPECTION TASKS AFTER WELDING		
INSPECTION TASKS AFTER WELDING	INSPECTION INTERVAL	REQUIRED ON PROJECT
WELDS CLEANED	O	YES
SIZE, LENGTH AND LOCATION OF WELDS	P	YES
WELDS MEET VISUAL ACCEPTANCE CRITERIA:		
• CRACK PROHIBITION	P	YES
• WELDBASE-METAL FUSION		
• CRATER CROSS SECTION		
• WELD PROFILES		
• WELD SIZE		
• UNDERCUT		
• POROSITY		
ARC STRIKES	P	YES
k-AREA ¹⁴	P	YES
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ¹⁴	P	YES
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	YES
REPAIR ACTIVITIES	O	YES
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	O	YES
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	YES

¹⁴WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" (75mm) OF THE WELD.
(b) AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

AISC 360-16 TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING		
INSPECTION TASKS PRIOR TO BOLTING	INSPECTION INTERVAL	REQUIRED ON PROJECT
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	YES
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	YES
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO EXCLUDE FROM SHEAR PLANE)	O	YES
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	YES
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	YES
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	YES
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	YES

AISC 360-16 TABLE N5.6-2 INSPECTION TASKS DURING BOLTING		
INSPECTION TASKS DURING BOLTING	INSPECTION INTERVAL	REQUIRED ON PROJECT
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	YES
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	YES
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	YES
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	YES

AISC 360-16 TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING		
INSPECTION TASKS AFTER BOLTING	INSPECTION INTERVAL	REQUIRED ON PROJECT
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	YES

- O-OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P-PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.
- OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
- FOR STRUCTURES IN RISK CATEGORY I/II (ASCE/SEI 7, TABLE 1.5-1), ULTRASONIC TESTING SHALL BE PERFORMED ON ALL COMPLETE JOINT-PENETRATION GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" (8 MM) THICK OR GREATER.
- FOR STRUCTURES IN RISK CATEGORY II (ASCE/SEI 7, TABLE 1.5-1), ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF COMPLETE JOINT-PENETRATION GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" (8 MM) THICK OR GREATER.
- ALL NONDESTRUCTIVE TESTING OF WELDED JOINTS SHALL BE DOCUMENTED.
- SEE AISC360-16 CHAPTER N FOR ADDITIONAL WELD INSPECTION REQUIREMENTS.
- SEE AISC360-16 CHAPTER N FOR ADDITIONAL BOLT INSPECTION REQUIREMENTS.
- EXPOSED CUT SURFACES OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS AND EXPOSED CORNERS OF RECTANGULAR HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO GALVANIZING.
- INSPECTION SHALL OCCUR DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, INCLUDING DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE.
- FABRICATED STEEL AND ERECTED STEEL FRAMES, AS APPROPRIATE, SHALL BE INSPECTED FOR COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, INCLUDING BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER JOINT DETAIL APPLICATION.

STANDARD FOR QUALITY CONTROL AND QUALITY ASSURANCE FOR THE INSTALLATION OF STEEL DECK

TABLE 1.1 INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT		
TASK	QC	QA
A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	PERFORM
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT		
TASK	QC	QA
A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	PERFORM	PERFORM
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	PERFORM
C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING		
TASK	QC	QA
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	OBSERVE
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	OBSERVE
C. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
D. CHECK WELDING EQUIPMENT	OBSERVE	OBSERVE

TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING		
TASK	QC	QA
A. USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	OBSERVE
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	OBSERVE
D. WPS FOLLOWED	OBSERVE	OBSERVE

TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING		
TASK	QC	QA
A. VERIFY SIZE & LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, & PERIMETER WELDS	PERFORM	PERFORM
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	PERFORM
C. VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	PERFORM

TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING		
TASK	QC	QA
A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	OBSERVE
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	OBSERVE
C. PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE	OBSERVE

TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING		
INSPECTION TASKS DURING MECHANICAL FASTENING	QC	QA
A. FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	OBSERVE
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	OBSERVE

TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING		
INSPECTION TASKS AFTER MECHANICAL FASTENING	QC	QA
A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	PERFORM
B. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM	PERFORM
C. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	PERFORM
D. VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	PERFORM

NOTE:
• QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE INSTALLER
• QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY THE CERTIFIED TESTING AGENCY

SPECIAL INSPECTION AND TESTING:

- SPECIAL INSPECTION AND MINIMUM TESTING SHALL BE PERFORMED IN ACCORDANCE WITH 2018 IBC AND ALL REFERENCED MATERIALS AND TABLES.
- INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING AGENCY HIRED AT THE CONTRACTOR'S EXPENSE. AGENCY INSPECTION PERSONNEL SHALL MEET THE INSPECTOR QUALIFICATIONS FOR EACH MATERIAL ITEM AS INDICATED IN THE SPECIFICATIONS.
- ANY MATERIAL OR PLACEMENT DEVIATIONS FROM MINIMUMS SHOWN ON THE DRAWINGS OR IN SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- IN ADDITION TO THE IBC INSPECTION TABLES, THE INSPECTOR SHALL VERIFY THAT ALL STEEL MAINTAIN ERECTION TOLERANCE OF STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL WITHIN AISC'S CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
- TESTING - ANY FAILED FIELD TEST SHALL BE REPORTED TO ALBERTSON ENGINEERING INC. IMMEDIATELY.

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
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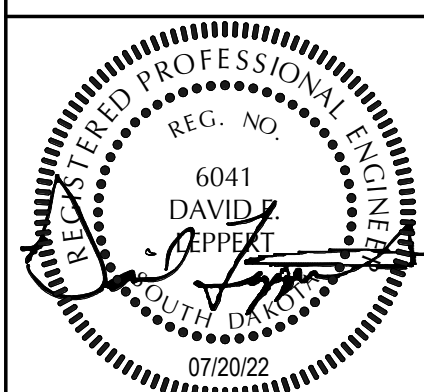
STRUCTURAL:
Albertson Engineering, Inc.
2022 W. Main St., 8C
Rapid City, South Dakota 57702
Phone: 605-343-9609

ARCHITECT OF RECORD

A/E:
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144



STAMP



Office of Construction and Facilities Management



Drawing Title
IBC INSPECTION TABLES

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
07/20/2022

Checked
DEL

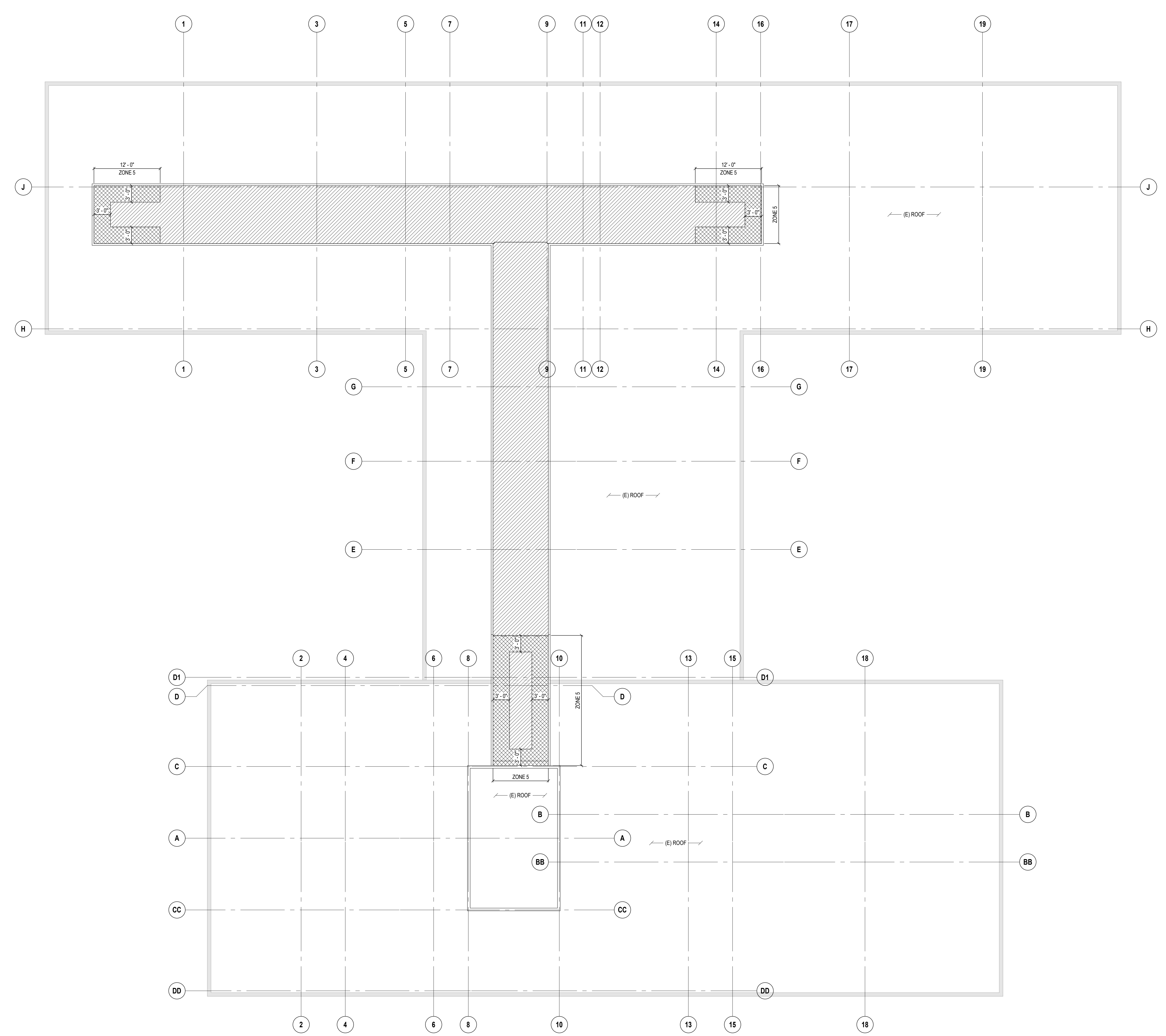
Drawn
JAB

Project Number
VA #VA #568-20-102 SGA #211937

Building Number
148

Drawing Number
S-002

SHEET NOTES



SCHEDULES

WIND UPLIFT SCHEDULE
TYPICAL FLAT ROOF

HATCH	WIDTH	PRESSURE (PSF)			
		EFFECTIVE WIND AREA (SQ FT)			
		0 - 20	20 - 50	50 - 100	> 100
REMAINDER		41	39	35	32
SEE PLAN		56	51	44	39

ADDITIONAL REMARKS:
1. WIND UPLIFT PRESSURES SHOWN ARE GROSS PRESSURES FOR DESIGN OF COMPONENTS AND CLADDING (FACTORED).

WIND COMPONENTS & CLADDING SCHEDULE
WALLS

ZONE		PRESSURE (PSF)			
		EFFECTIVE WIND AREA (SQ FT)			
		0 - 20	20 - 50	50 - 100	> 100
ZONE 4	PRESSURE	18	17	16	16
	SUCTION	19	18	17	17
ZONE 5	PRESSURE	18	17	16	16
	SUCTION	24	22	20	18

ADDITIONAL REMARKS:
1. WIND PRESSURES SHOWN ARE SERVICE PRESSURES (UNFACTORED) FOR DESIGN OF COMPONENTS AND CLADDING, AND INCLUDE THE WIND IMPORTANCE FACTOR OF 1.15 FOR THIS PROJECT.

1
S-003
WIND UPLIFT PLAN
SCALE: 1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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STONE GROUP ARCHITECTS

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DAVID
6041
REG. NO.
07/20/22

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

Drawing Title
WIND UPLIFT PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
07/20/2022

Checked
DEL

Drawn
JAB

Project Number
VA #VA #568-20-102
SGA #211937

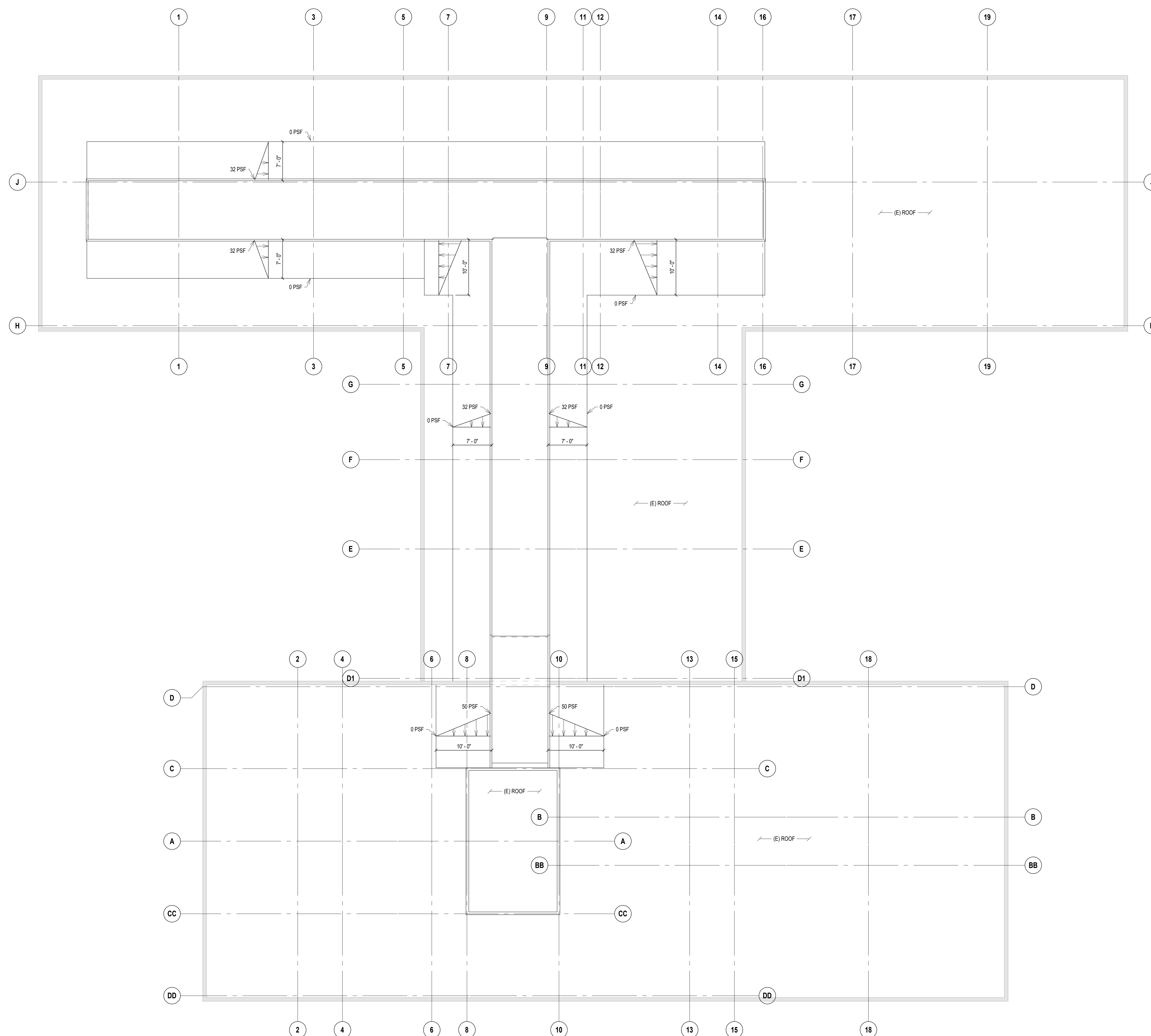
Building Number
148

Drawing Number
S-003

SHEET NOTES

SNOW DRIFT PLAN NOTES

- SNOW DRIFT LOADS SHOWN ARE IN ADDITION TO UNIFORM SNOW LOADS INDICATED IN THE STRUCTURAL GENERAL NOTES ON SHEET S-001.
- DRIFT LOADS ARE SHOWN FOR DRIFT RESULTING FROM NEW CONSTRUCTION. SEE ORIGINAL DRAWINGS FOR DRIFT LOADS (IF APPLICABLE) ON EXISTING ROOFS.



1
SNOW DRIFT PLAN
SCALE: 1/8" = 1'-0"

Revision#	Description	Date:

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 PROFESSIONAL ENGINEER
 REG. NO. 6041
 DAVILA
 07/20/22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SNOW DRIFT PLAN

Phase
CONSTRUCTION DOCUMENTS

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
 07/20/2022

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 DEL

Drawn
 JAB

Project Number
 VA #VA #568-20-102
 SGA #211937

Building Number
 148

Drawing Number
S-004

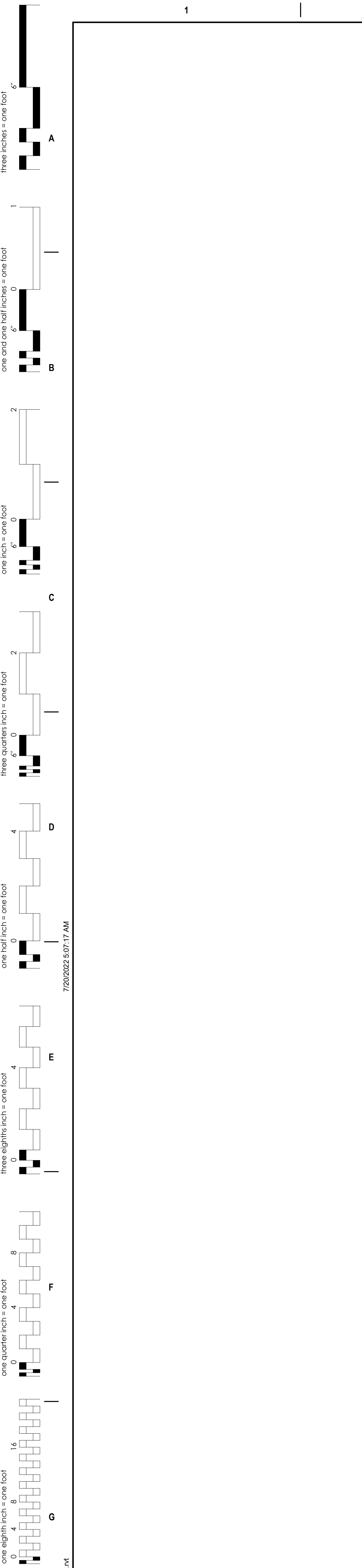
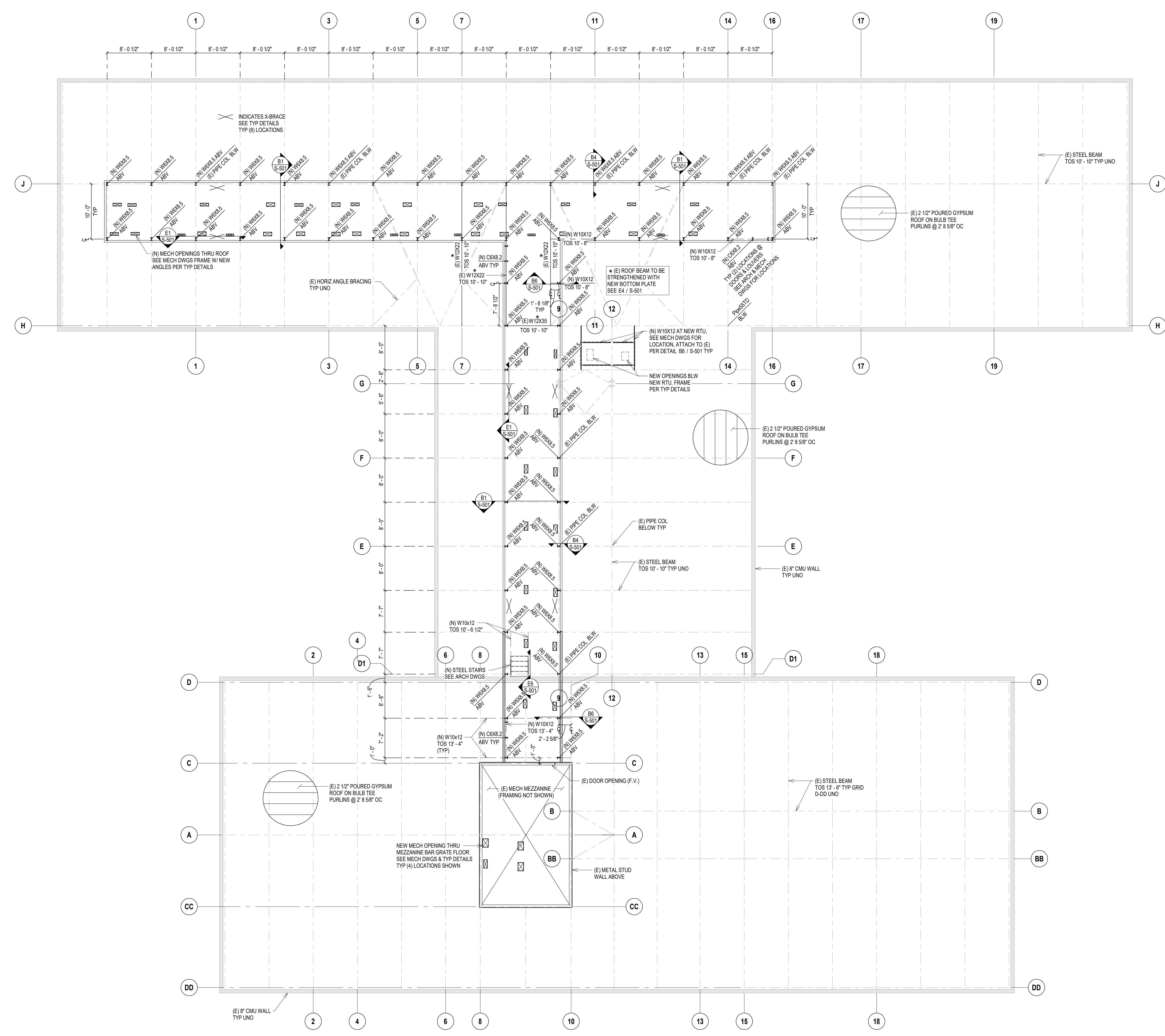
SHEET NOTES

- EXISTING ROOF FRAMING PLAN NOTES**
- SEE SHEET S-001 FOR STRUCTURAL GENERAL NOTES.
 - VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
 - ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 100'-0" (MAIN FLOOR EXISTING).
 - EXISTING ROOF DECK IS A 2 1/2" POURED GYPSUM ROOF ON STEEL BULB TEE PURLINS SPACED AT ROUGHLY 2'-8 5/8" OC.
 - UNLESS OTHERWISE NOTED OR DETAILED, ALL NEW COLUMN TO EXISTING BEAM AND/OR COLUMN CONNECTIONS SHALL BE FIELD WELDED. SEE REFERENCED DETAILS.
 - UNLESS OTHERWISE NOTED OR DETAILED, ALL NEW BEAM TO EXISTING BEAM CONNECTIONS SHALL BE SINGLE ANGLE CONNECTIONS WITH BOLTED CONNECTION TO NEW AND FIELD WELDED CONNECTION TO EXISTING. PROVIDE SHORT SLOTTED HOLES IN NEW TO ALLOW FOR ERECTION FIT-UP. SEE SINGLE ANGLE CONNECTION SCHEDULE.
 - SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENINGS THRU EXISTING ROOF FRAME OPENINGS WITH ANGLES PER TYPICAL DETAILS. OPENING LOCATIONS SHALL BE VERIFIED AND ADJUSTED TO AVOID EXISTING STEEL SUBPURLINS AND STEEL BEAMS. CUTTING OF SUBPURLINS AND/OR STEEL BEAMS IS NOT ALLOWED.
 - SEE ARCHITECTURAL DRAWINGS FOR METAL WALL PANELS.

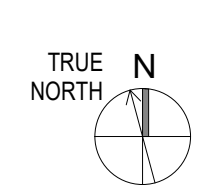
SHEET LEGEND

- INDICATES X-BRACE IN FRAMING ABOVE SEE TYPICAL DETAILS AND E1 / S-001

SCHEDULES



EXISTING ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



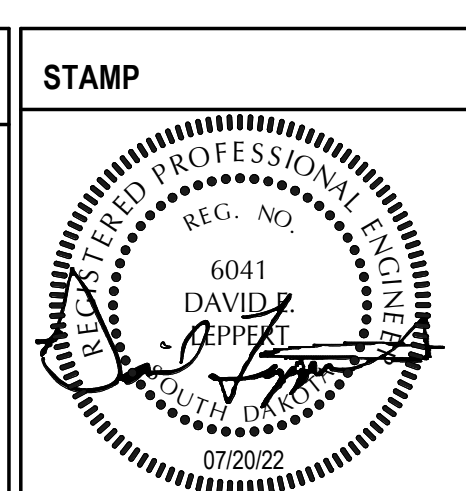
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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
EXISTING ROOF PLAN

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
07/20/2022

Checked
DEL

Drawn
JAB

Project Number
VA #VA #568-20-102
SGA #211937

Building Number
148

Drawing Number
S-101

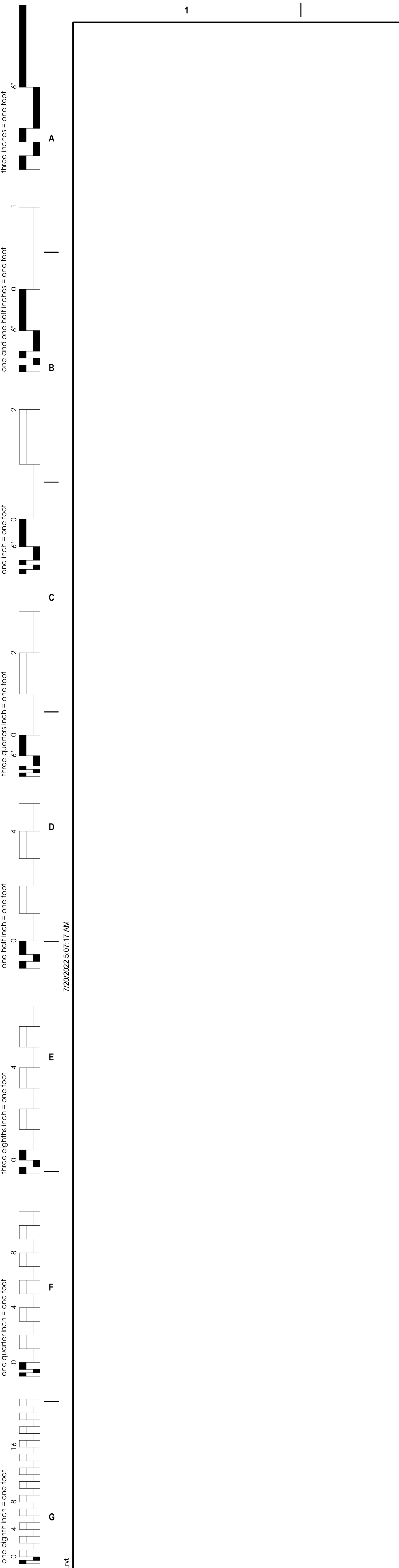
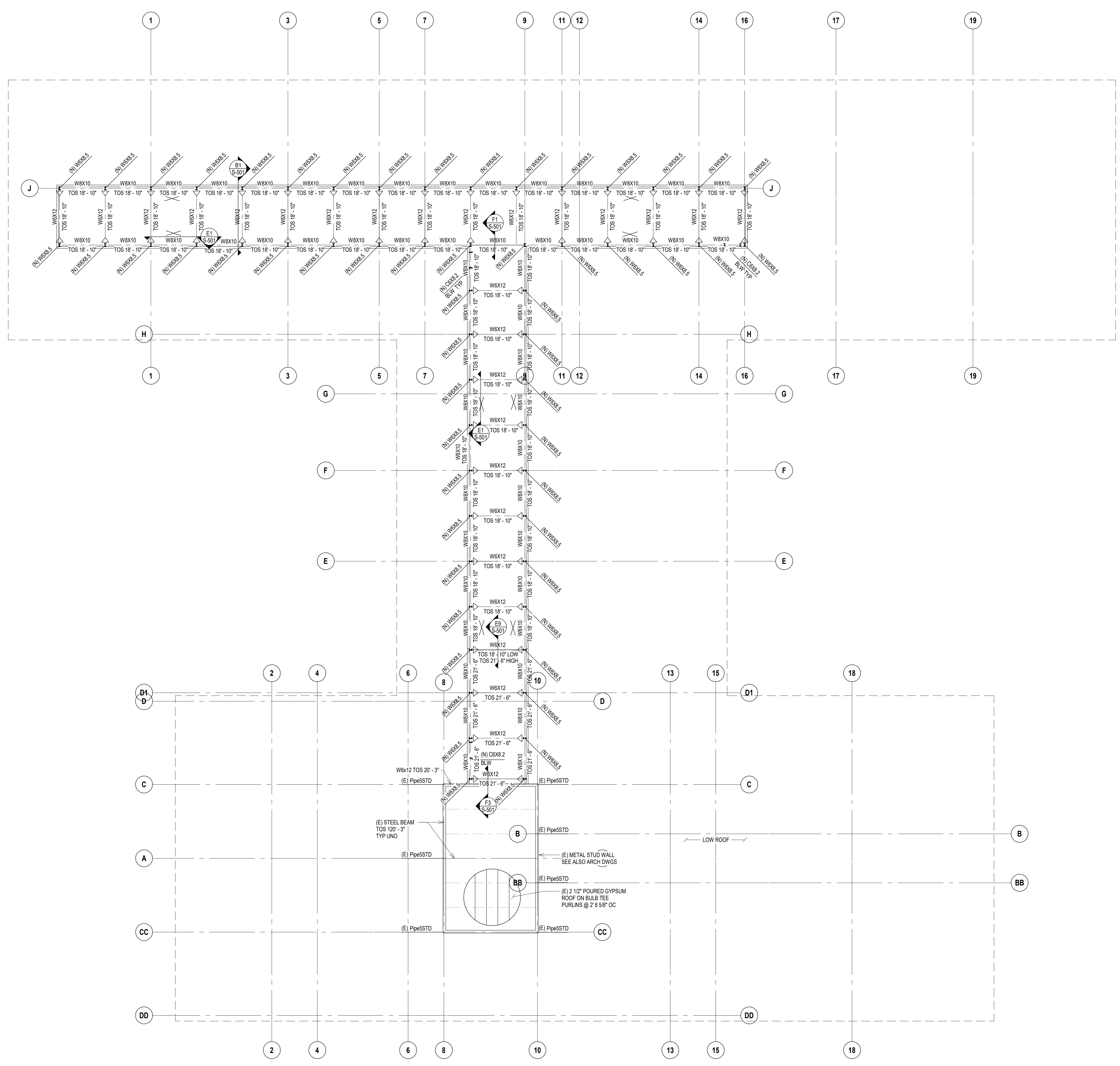
SHEET NOTES

- PENTHOUSE ROOF FRAMING PLAN NOTES**
- SEE SHEET S-401 FOR STRUCTURAL GENERAL NOTES.
 - VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
 - ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 100'-0" (MAIN FLOOR EXISTING).
 - TYPICAL METAL ROOF DECKING SHALL BE 302GA PAINTED ROOF DECK ATTACH TO SUPPORTS WITH #12 TEK SCREWS IN A STD STANDARD PATTERN AS FOLLOWS:
300" WITH (3) #10 TEK SHELAP FASTENERS, UNO.
 - UNLESS OTHERWISE NOTED OR DETAILED, ALL EAM TO COLUMN CONNECTIONS FOR W8 BEAMS SHALL BE END PLATE CONNECTIONS AND FOR W8 BEAMS SHALL BE SINGLE ANGLE CONNECTIONS. SEE REFERENCED DETAILS AND SINGLE ANGLE CONNECTION SCHEDULE.
 - SEE SHEET S-401 FOR TYPICAL ROOF FRAMING RELATED DETAILS AND SCHEDULES.
 - SEE ARCHITECTURAL DRAWINGS FOR METAL WALL PANELS.
 - SEE TYPICAL DETAILS FOR SUPPORT FRAMING AROUND OPENINGS IN WALL PANELS FOR LOUVERS OR DOORWAYS.

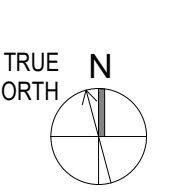
SHEET LEGEND

- INDICATES X-BRACE IN FRAMING ABOVE SEE TYPICAL DETAILS AND E1 / S-501
- INDICATES X-BRACE IN FRAMING BELOW SEE TYPICAL DETAILS AND B8 / S-501

SCHEDULES



PENTHOUSE ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"
REFERENCED FROM:



CONSULTANTS

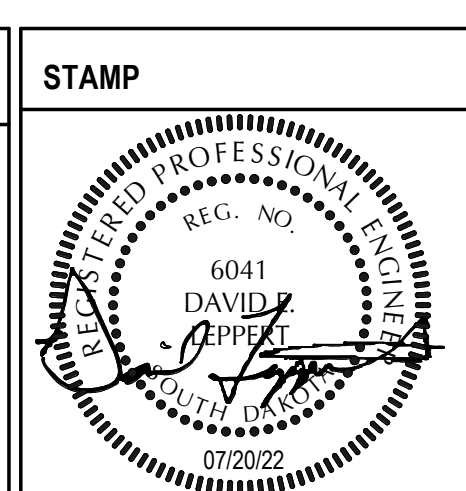
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Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title
PENTHOUSE FRAMING PLAN

Phase
CONSTRUCTION DOCUMENTS

Approved:

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
07/20/2022

Checked
DEL

Drawn
JAB

Project Number
VA #VA #568-20-102
SGA #211937

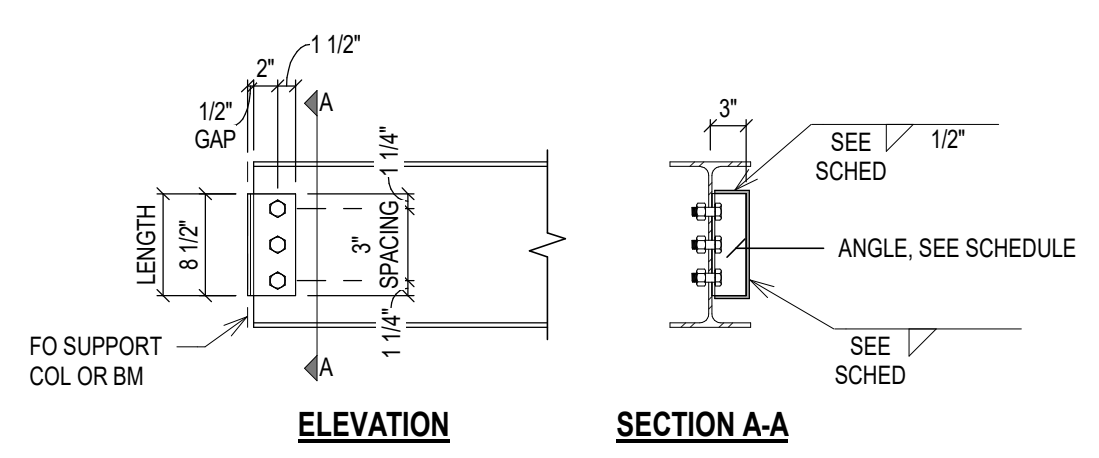
Building Number
148

Drawing Number
S-102

SINGLE ANGLE CONNECTION SCHEDULE

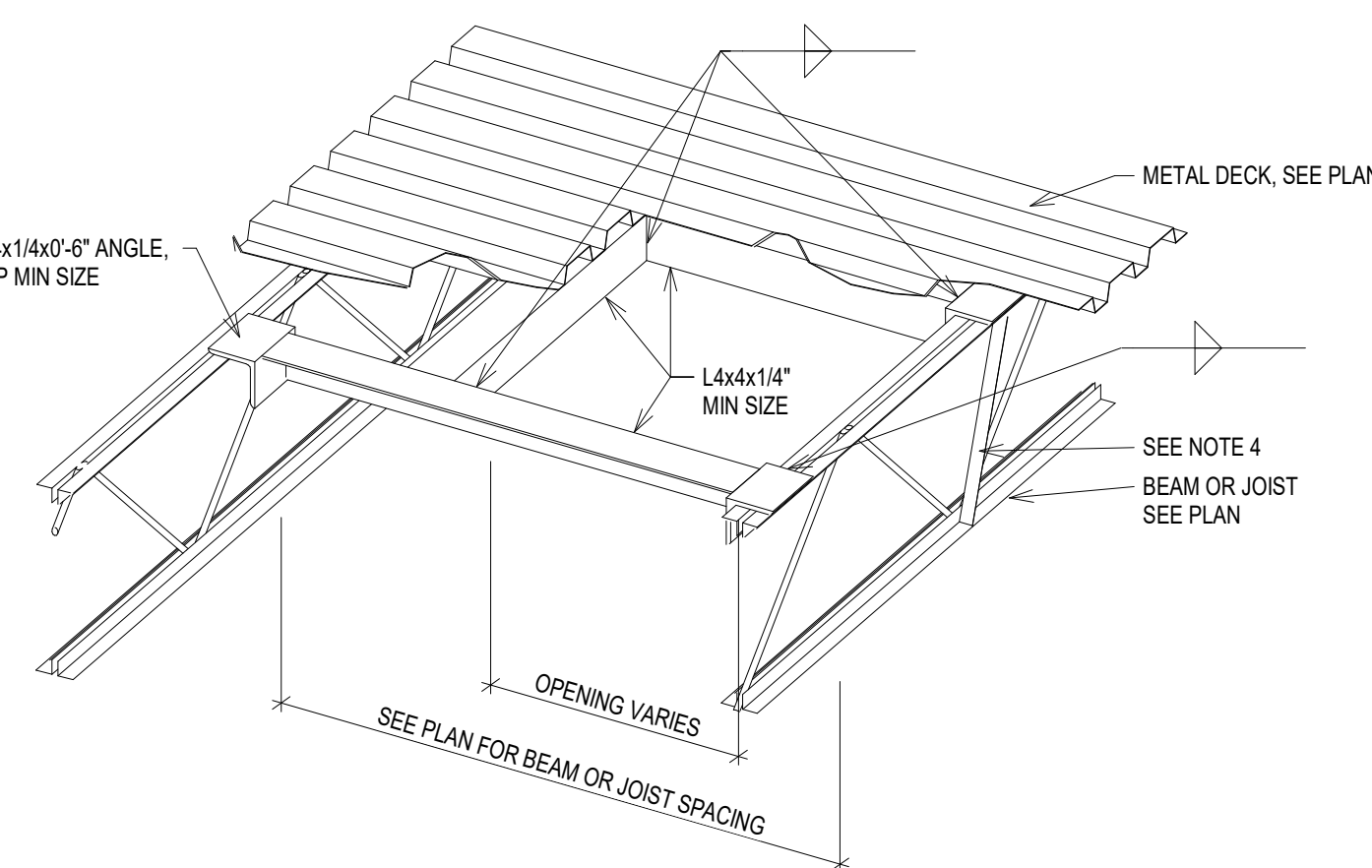
BEAM	3/4" Ø BOLTS	CONNECTION ANGLES	
		LENGTH	ANGLE SIZE
W8 & 10	2	5 1/2"	L4X3X3/8 (SEE DIAGRAM)
W12 & 14	3	8 1/2"	L4X3X3/8 (SEE DIAGRAM)
W16	4	11 1/2"	L4X3X3/8 (SEE DIAGRAM)
W18	5	14 1/2"	L4X3X3/8 (SEE DIAGRAM)
W21	6	17 1/2"	L4X3X3/8 (SEE DIAGRAM)
W24	7	20 1/2"	L4X3X3/8 (SEE DIAGRAM)
W27	8	23 1/2"	L4X3X3/8 (SEE DIAGRAM)
W30	9	26 1/2"	L4X3X3/8 (SEE DIAGRAM)
W33	10	29 1/2"	L4X3X3/8 (SEE DIAGRAM)

ADDITIONAL REMARKS:
 1. ANGLE MAY BE WELDED TO BEAM OR SUPPORT WITH ALTERNATE WELD SHOWN, BUT NOT BOTH.
 2. FOR SKEWS > 5° PROVIDE 3/8" BENT PLATE



SCHEDULE - SGL ANGLE CONNECTION

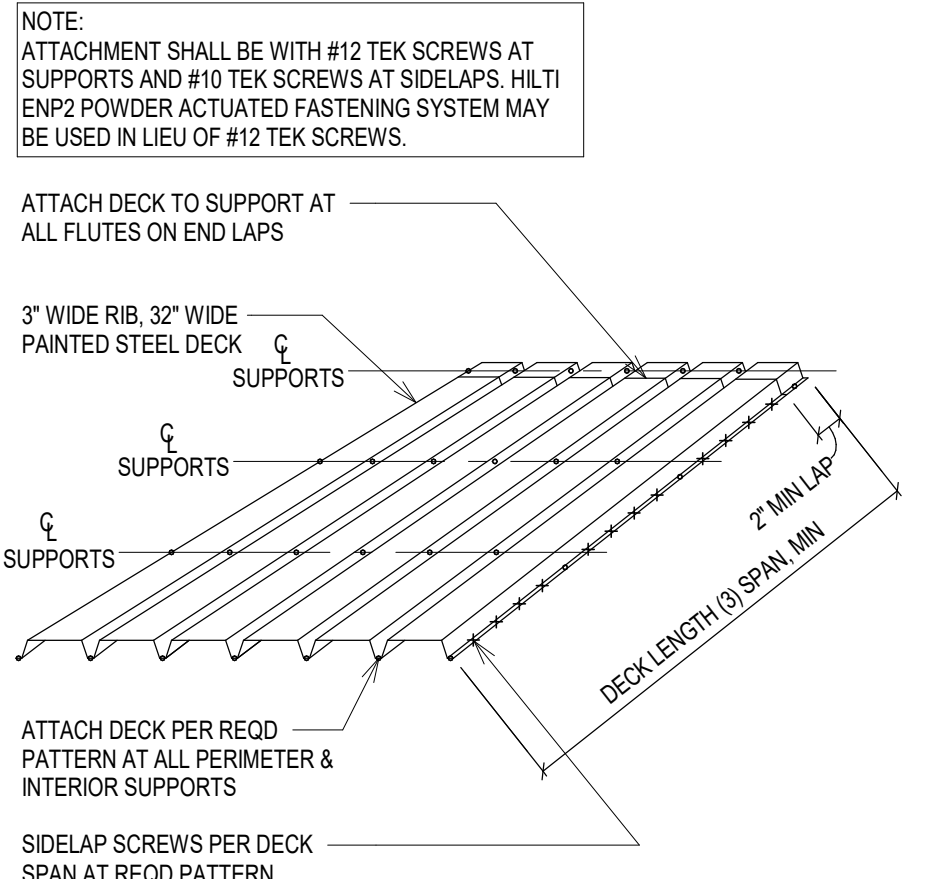
SCALE: 1/2" = 1'-0"



NOTES:
 1. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ARCH, MECH, AND ELEC DRAWINGS AND EQUIPMENT SUPPLIERS PRIOR TO SUBMITTING SHOP DRAWINGS
 2. NO ADDED FRAMING IS REQUIRED AT OPENINGS CUTTING ONLY ONE DECK FLUTE, UNLESS OTHERWISE NOTED.
 3. FASTEN DECK FLUTES TO ANGLE FRAMING ALL SIDES PER ROOF DECK ATTACHMENT SPECIFIED IN THE PLAN NOTES.
 4. IF ANGLE TAB DOES NOT FALL W/ 3" OF JOIST PANEL POINT, ADD (D) ANGLES 1 1/4" X 1/4" FROM TAB LOCATION TO BOTTOM CHORD PANEL POINT, (1) EA SIDE OF JOIST, WELD INTO PLACE.

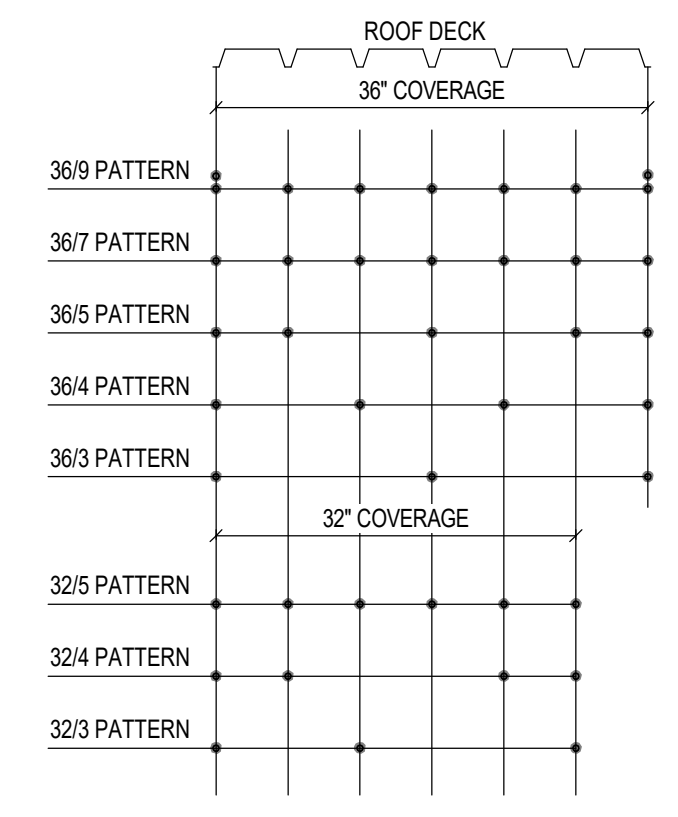
TYP MTL DECK - OPENING

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



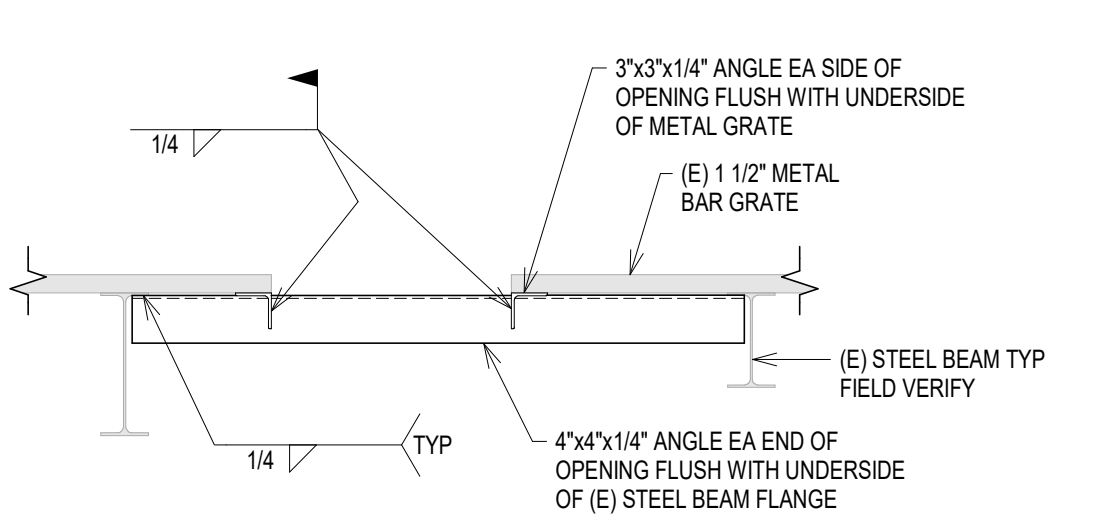
TYP MTL DECK ATTACHMENT PATTERNS

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



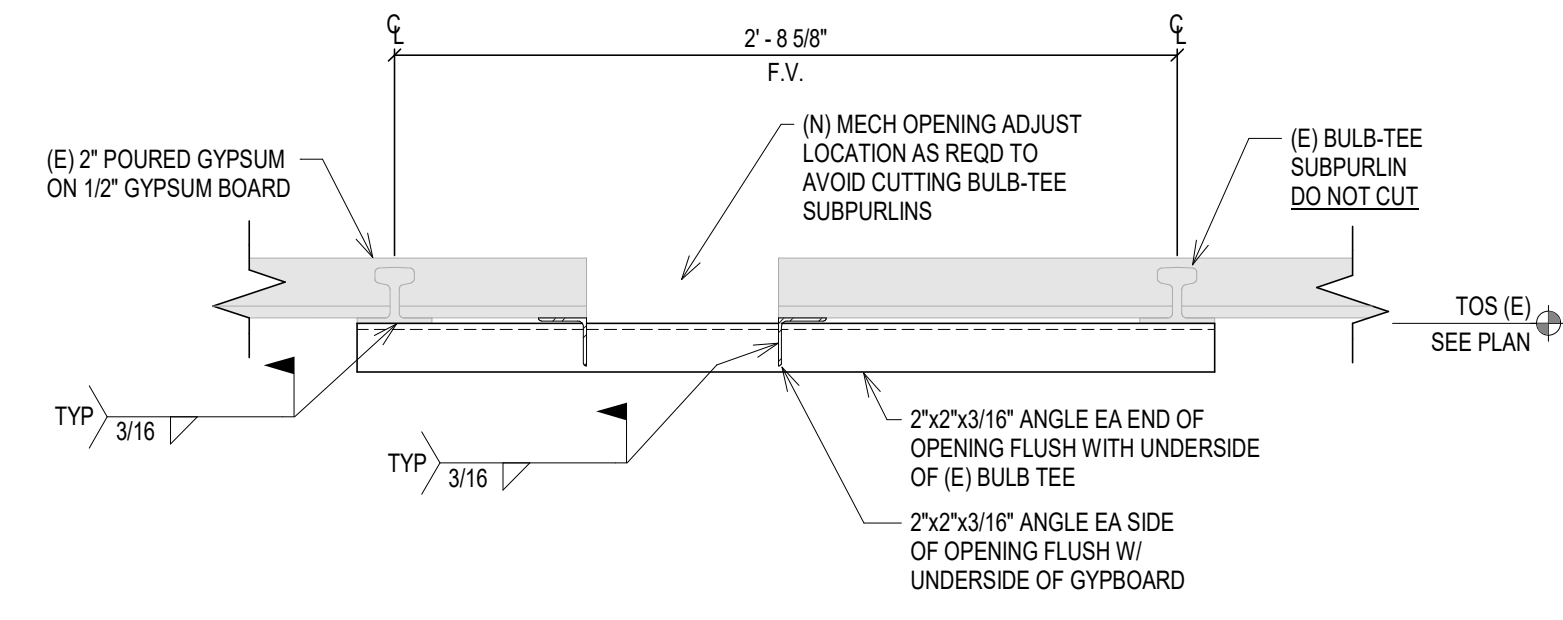
TYP MTL DECK - OPENING

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



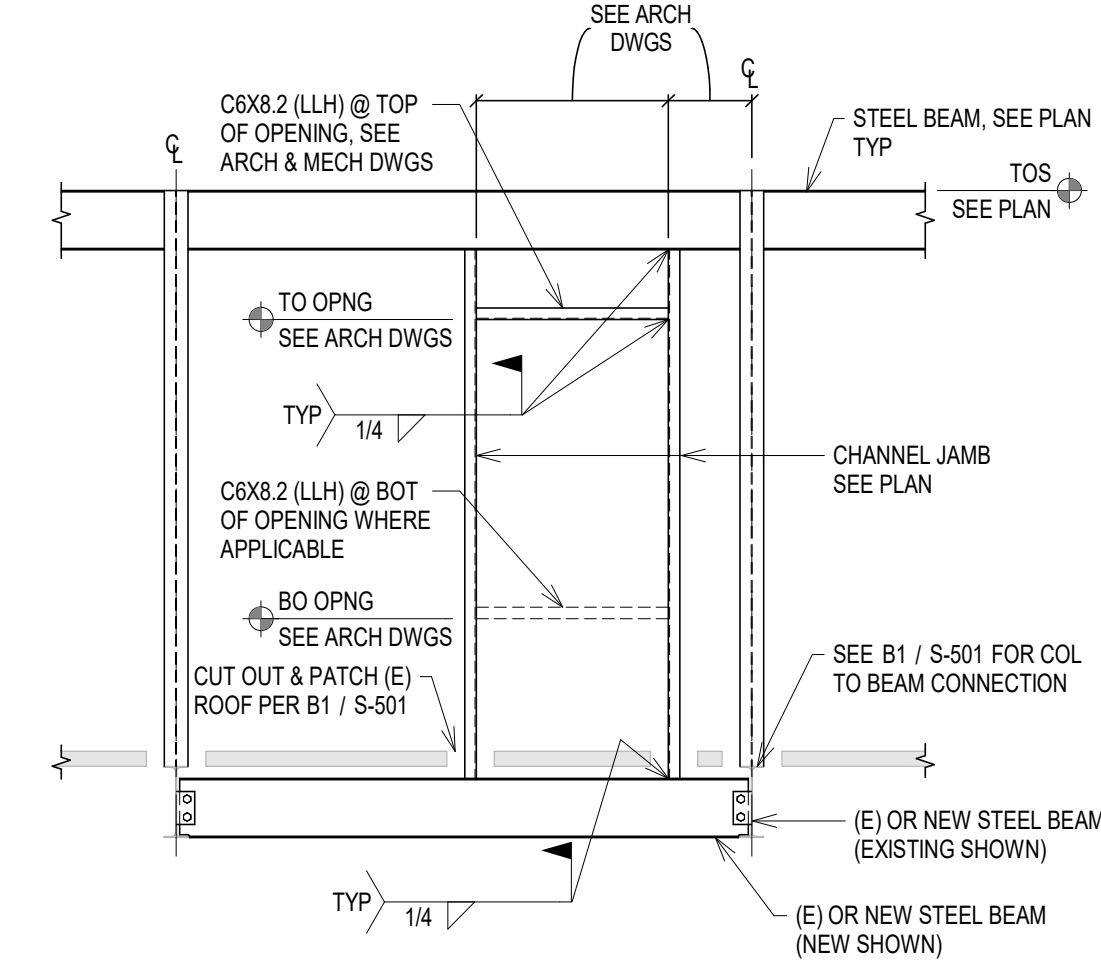
TYP MECH OPENING THRU (E) BAR GRATE

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



TYP MECH OPENING THRU (E) ROOF

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



TYP DOOR / LOUVER OPENING

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

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Revision#	Description	Date:

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STONE GROUP ARCHITECTS

STAMP

Professional Engineer Seal for David J. Albertson, No. 6041, State of South Dakota, expires 07/31/2022.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **TYPICAL DETAILS**

Phase: **CONSTRUCTION DOCUMENTS**

Project Title: **VA FM UPGRADE MENTAL HEALTH LOCK WARD**

Location: **FORT MEADE, SOUTH DAKOTA**

Issue Date: **07/20/2022**

Checked: **DEL**

Drawn: **JAB**

Project Number: **VA #VA #568-20-102 SGA #211937**

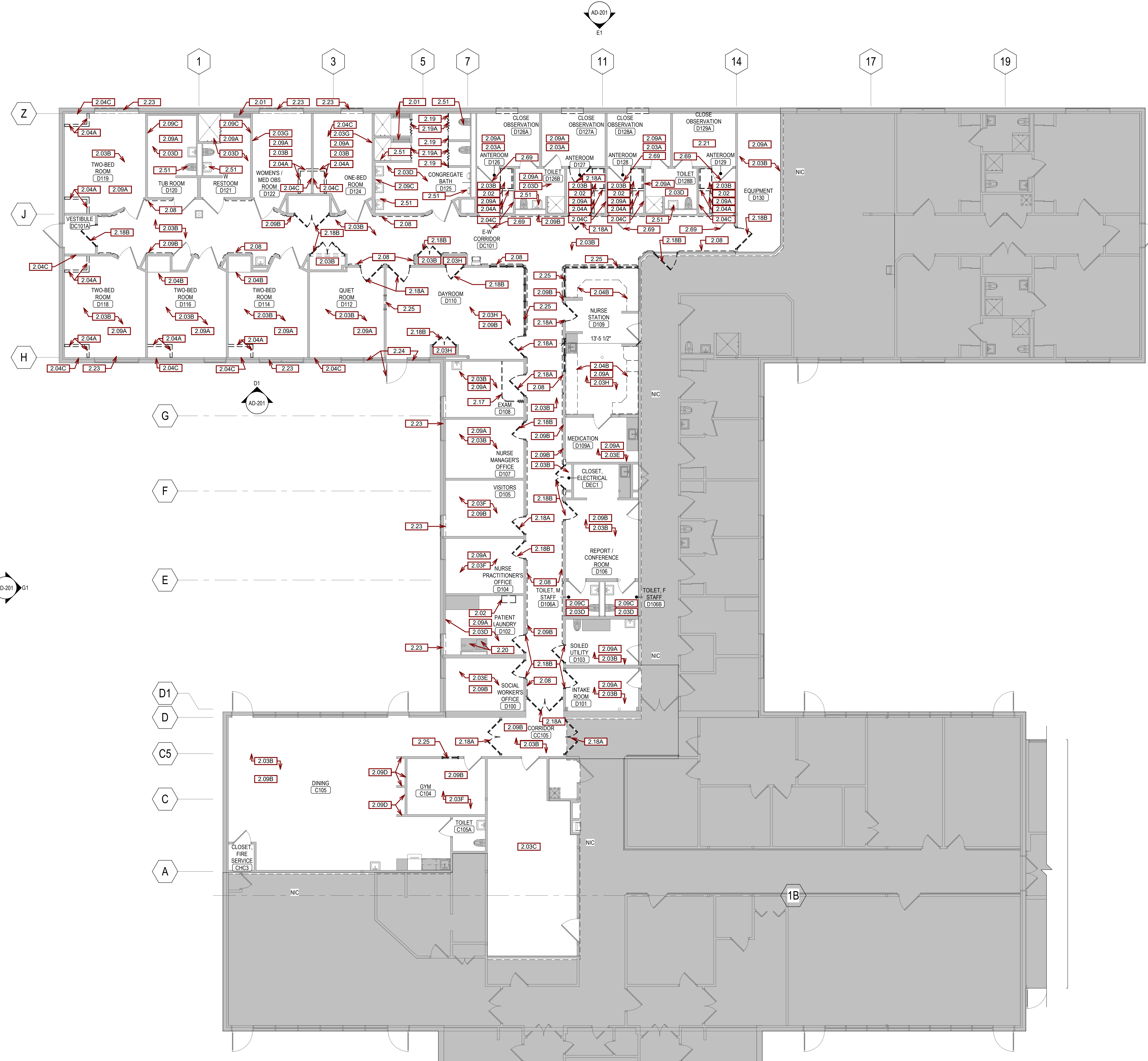
Building Number: **148**

Drawing Number: **S-601**

Approved: _____

GENERAL DEMOLITION PLAN NOTES:

- A. PROTECT ALL EXISTING UTILITIES.
- B. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- C. PATCH REMAINING EXISTING CONSTRUCTION, AFFECTED BY DEMOLITION, TO MATCH EXISTING PVC.
- D. EXISTING ITEMS TO REMAIN ARE SHOWN AS HALFTONE.
- E. DEMO ITEMS ARE SHOWN AS DASHED.
- F. INFILL OF THE PENETRATIONS IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATING.
- G. COORDINATE RELOCATION OF SALVAGED ITEMS WITH THE OWNER.
- H. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
- I. DEMO & REMOVE ALL EXISTING CEILING IN DEMOLITION AREA.
- J. DEMO & REMOVE ALL EXISTING LIGHT FIXTURES AND ELECTRICAL ITEMS IN DEMOLITION AREA. SEE ELEC.
- K. DEMO & REMOVE ALL EXISTING MECHANICAL FIXTURES AND ITEMS IN DEMOLITION AREA. SEE MECH.
- L. REMOVE ALL EXISTING CORNER GUARDS.
- M. REMOVE GRAB BARS AS REQ'D FOR TILE DEMOLITION. RETAIN AND REINSTALL.



SGA KEYNOTES	
Key Value	Keynote Text
2.01	REMOVE BENCH FOR TILE DEMO AND RETAIN FOR REINSTALLATION.
2.02	REMOVE CASWORK AND PREPARE WALL TO RECEIVE NEW FINISH.
2.03A	REMOVE SHEET VINYL FLOORING AND BASE.
2.03B	REMOVE VCT FLOORING AND BASE.
2.03C	PREP PAINTED FLOOR FOR NEW FINISH.
2.03D	REMOVE EPOXY FLOORING AND BASE.
2.03E	REMOVE LVT FLOORING AND BASE.
2.03F	REMOVE CARPET AND BASE.
2.03G	REMOVE FLOOR BASE FROM ALL WALLS.
2.03H	REMOVE LVP FLOORING AND BASE.
2.04A	REMOVE BUILT IN CABINETS AND GYPSUM WALL COVE.
2.04B	REMOVE BUILT IN CABINETS.
2.04C	REMOVE DRYPART FOR BLOCKING INSTALLATION.
2.08	REMOVE ALL HANDRAILS, CRASH GUARDS, CORNER GUARDS AND WALL PROTECTION.
2.08A	PATCH, REPAIR AND PREP WALLS TO RECEIVE NEW FINISH.
2.08B	REMOVE WALL PAPER AND PREP WALLS TO RECEIVE NEW FINISH.
2.08C	REMOVE TILE FROM ALL WALLS. PREP TO RECEIVE NEW FINISH.
2.08D	REMOVE WALL PAPER AND WALL PROTECTION. PREP WALLS TO RECEIVE NEW FINISH.
2.17	REMOVE PRIVACY CURTAIN AND TRACK FROM CEILING AND RETAIN FOR REINSTALLATION.
2.18A	REMOVE DOOR AND FRAME AND PREPARE OPENING TO RECEIVE NEW DOOR AND FRAME.
2.18B	REMOVE DOOR AND PREPARE FRAME TO RECEIVE NEW DOOR.
2.19	REMOVE PARTITION WALL. PREPARE WALL TO RECEIVE NEW FINISH.
2.19A	REMOVE PRIVACY/SHOWER CURTAIN AND PREPARE FOR NEW PARTITION DOOR.
2.20	COORDINATE WITH VA TO REMOVE, STORE AND REINSTALL WASHER AND DRYER.
2.21	DEMO EXISTING RUBBERIZED WALL COATING. PREP WALLS AND FLOOR FOR NEW RUBBERIZED COATING APPLICATION.
2.23	DEMO EXISTING LAMINATE WINDOW SILLS.
2.24	DEMO EXISTING GLAZING IN CURTAIN WALL.
2.25	DEMO GLAZING AND HOLLOW METAL FRAME.
2.51	REMOVE EXISTING PLUMBING FIXTURES TO ALLOW FOR WALL FINISH REPLACEMENT. COORDINATE REINSTALLATION WITH FINISH REPLACEMENT.
2.69	REMOVE GLASS AND GLAZING STOPS FROM EXISTING DOOR AND PREP FOR NEW GLAZING.

1ST LEVEL DEMOLITION PLAN - FLOOR PLAN
 1/8" = 1'-0"

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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 Phone: 605-343-9609

ARCHITECT OF RECORD

A/E:
Stone Group Architects
 600 E 7th Street
 Sioux Falls, SD 57103
 605-271-1144



STAMP

Office of Construction and Facilities Management



Drawing Title
1ST LEVEL DEMOLITION PLAN - FLOOR PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
 08/05/22

Checked
 JHK

Drawn
 RMV/DAN

Project Number
 VA #568-20-102
 SGA #211937

Building Number
 148

Drawing Number
AD-101

Revision#	Description	Date:

GENERAL DEMOLITION PLAN NOTES:

- A. PROTECT ALL EXISTING UTILITIES.
- B. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- C. PATCH REMAINING EXISTING CONSTRUCTION, AFFECTED BY DEMOLITION, TO MATCH EXISTING PVC.
- D. EXISTING ITEMS TO REMAIN ARE SHOWN AS HALFTONE.
- E. DEMO ITEMS ARE SHOWN AS DASHED.
- F. INFILL OF THE PENETRATIONS IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATING.
- G. COORDINATE RELOCATION OF SALVAGED ITEMS WITH THE OWNER.
- H. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
- I. DEMO & REMOVE ALL EXISTING CEILINGS IN DEMOLITION AREA.
- J. DEMO & REMOVE ALL EXISTING LIGHT FIXTURES AND ELECTRICAL ITEMS IN DEMOLITION AREA. SEE ELEC.
- K. DEMO & REMOVE ALL EXISTING MECHANICAL FIXTURES AND ITEMS IN DEMOLITION AREA. SEE MECH.
- L. REMOVE ALL EXISTING CORNER GUARDS.
- M. REMOVE GRAB BARS AS REQ'D FOR TILE DEMOLITION. RETAIN AND REINSTALL.

SGA KEYNOTES	
Key Value	Keynote Text
2.06	REMOVE ACOUSTICAL TILE CEILING AND SUPPORT RAILS. REMOVE EXISTING ELECTRICAL AND TECHNOLOGY FIXTURES AND COORDINATE FOR REINSTALLATION OR REPLACEMENT. REF. ELEC.
2.07	REMOVE GYPSUM CEILING AND FRAMING. REMOVE EXISTING ELECTRICAL AND TECHNOLOGY FIXTURES AND COORDINATE FOR REINSTALLATION OR REPLACEMENT. REF. ELEC.
2.17	REMOVE PRIVACY CURTAIN AND TRACK FROM CEILING AND RETAIN FOR REINSTALLATION.
2.30	REMOVE ALL LIGHT FIXTURES. REF. ELEC.
2.35	SALVAGE LED LIGHT FIXTURES TO VA.
2.40	REMOVE ALL MECHANICAL EQUIP. REF. MECH.
2.99	NO CEILING DEMO IN THIS ROOM.



G2 1ST LEVEL DEMOLITION RCP
1/8" = 1'-0"

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
West Plains Engineering, Inc.
1750 Rand Road
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600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STONE GROUP ARCHITECTS

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL DEMOLITION PLAN - CEILING

Phase
CONSTRUCTION DOCUMENTS

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102 SGA #211937

Building Number
148

Drawing Number
AD-102

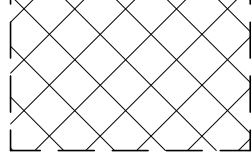

FULLY SPRINKLERED

Revision#	Description	Date:

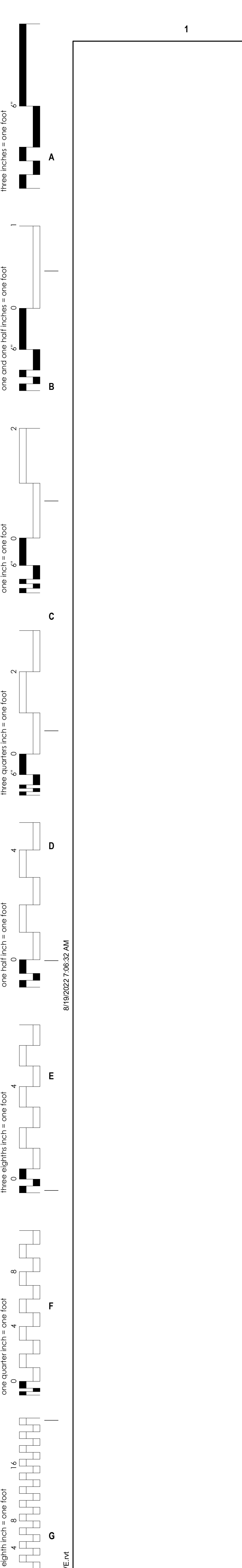
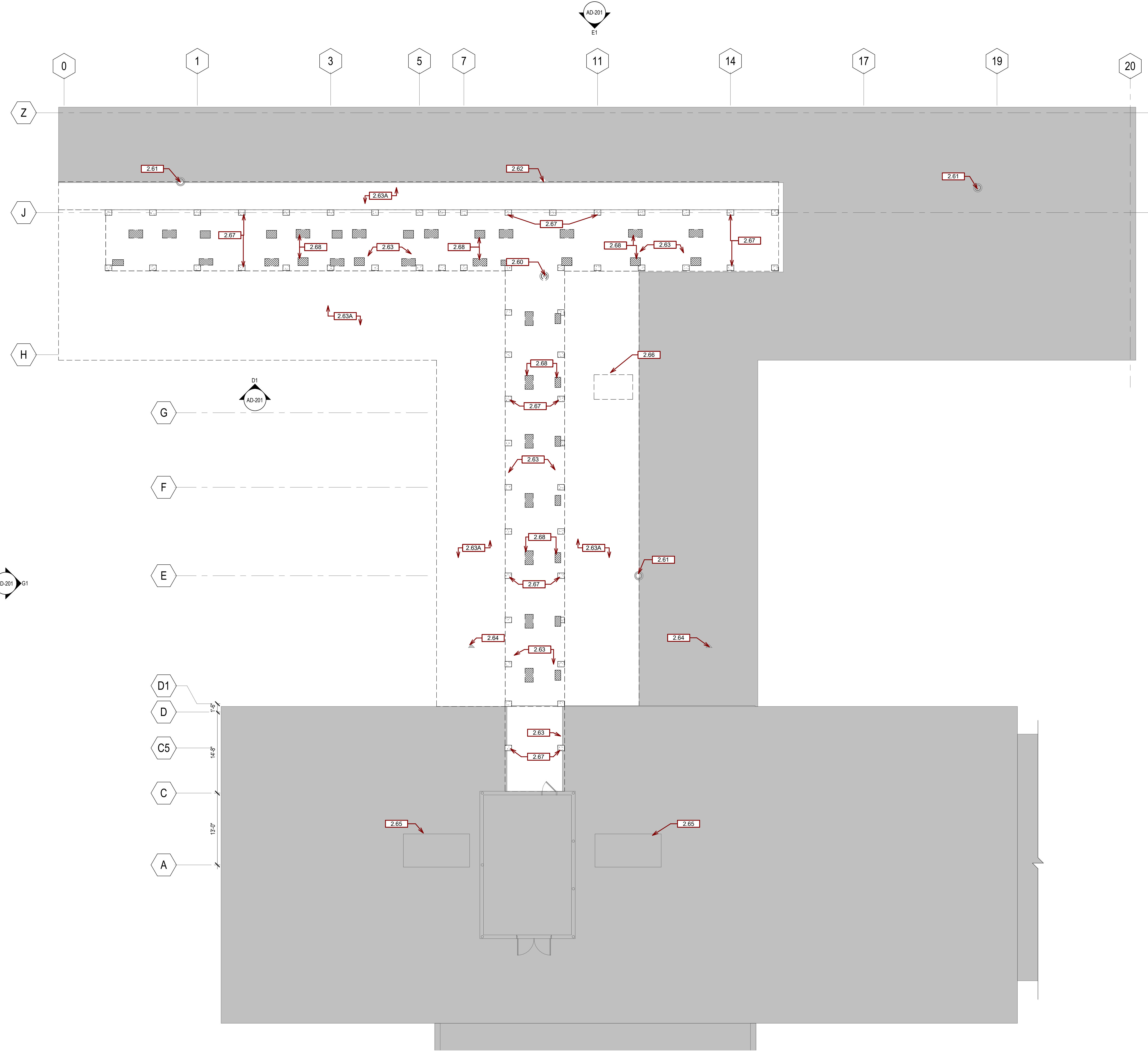
GENERAL DEMOLITION PLAN NOTES:

- A. PROTECT ALL EXISTING UTILITIES.
- B. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- C. PATCH REMAINING EXISTING CONSTRUCTION, AFFECTED BY DEMOLITION, TO MATCH EXISTING PVC.
- D. EXISTING ITEMS TO REMAIN ARE SHOWN AS HALFTONE.
- E. DEMO ITEMS ARE SHOWN AS DASHED.
- F. INFILL OF THE PENETRATIONS IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATING.
- G. COORDINATE RELOCATION OF SALVAGED ITEMS WITH THE OWNER.
- H. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
- I. DEMO & REMOVE ALL EXISTING CEILING IN DEMOLITION AREA.
- J. DEMO & REMOVE ALL EXISTING LIGHT FIXTURES AND ELECTRICAL ITEMS IN DEMOLITION AREA. SEE ELEC.
- K. DEMO & REMOVE ALL EXISTING MECHANICAL FIXTURES AND ITEMS IN DEMOLITION AREA. SEE MECH.
- L. REMOVE ALL EXISTING CORNER GUARDS.
- M. REMOVE GRAB BARS AS REQ'D FOR TILE DEMOLITION, RETAIN AND REINSTALL.

DEMO PLAN LEGEND:

-  DEMO GYPSUM ROOF DECK TO ALLOW FOR DUCTS TO PENETRATE. COORDINATE LOCATIONS WITH MECHANICAL TO AVOID CUTTING GULB-TEE. SUBMIT PURLINS. REF STRUCTURAL FOR SUPPORT OF OPENING.
-  DEMO 12"x12" SQUARE IN GYPSUM ROOF DECK TO ALLOW INSTALLATION OF STRUCTURAL COLUMNS FOR PENTHOUSE. REF. STRUCTURAL FOR COLUMN CONNECTION. PATCH GYPSUM ROOF DECK WITH NON-SHRINK GROUT.


SGA KEYNOTES	
Key Value	Keynote Text
2.60	DEMO EXISTING ROOF DECK TO BE RELOCATED.
2.61	REMOVE EXISTING ROOF DRAIN AND REPLACE WITH NEW DRAIN IN SAME LOCATION.
2.62	DEMO ROOF AS NECESSARY TO INSTALL NEW ROOF DRAIN.
2.63	REMOVE ROOFING AND INSULATION TO STRUCTURAL GYPSUM DECK FOR NEW MECH PENTHOUSE. PREPARE EXISTING DECK FOR NEW FINISHES.
2.63A	REMOVE ROOFING AND INSULATION TO STRUCTURAL DECK, PREP EXISTING DECK FOR REPLACEMENT ROOF.
2.64	EXISTING DRYER VENTS TO REMAIN. REPAIR FLASHING AS NEEDED.
2.65	EXISTING ROOF TOP MECHANICAL EQUIPMENT TO REMAIN. SEE MECHANICAL.
2.67	DEMO 12"x12" SQUARE GYPSUM ROOF DECK TO EXPOSE STRUCTURAL BEAMS.
2.68	DEMO FOR NEW MECH PENETRATIONS, SEE MECH.




G1 2ND LEVEL DEMOLITION PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

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 Phone: 605-340-7455

STRUCTURAL:

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ARCHITECT OF RECORD

A/E:
 Stone Group Architects
 600 E 7th Street
 Sioux Falls, SD 57103
 605-271-1144



STAMP

Office of Construction and Facilities Management

 U.S. Department of Veterans Affairs

Drawing Title
DEMOLITION PLAN - ROOF

Project Title
CONSTRUCTION DOCUMENTS

Phase
FULLY SPRINKLERED

Approved: _____

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

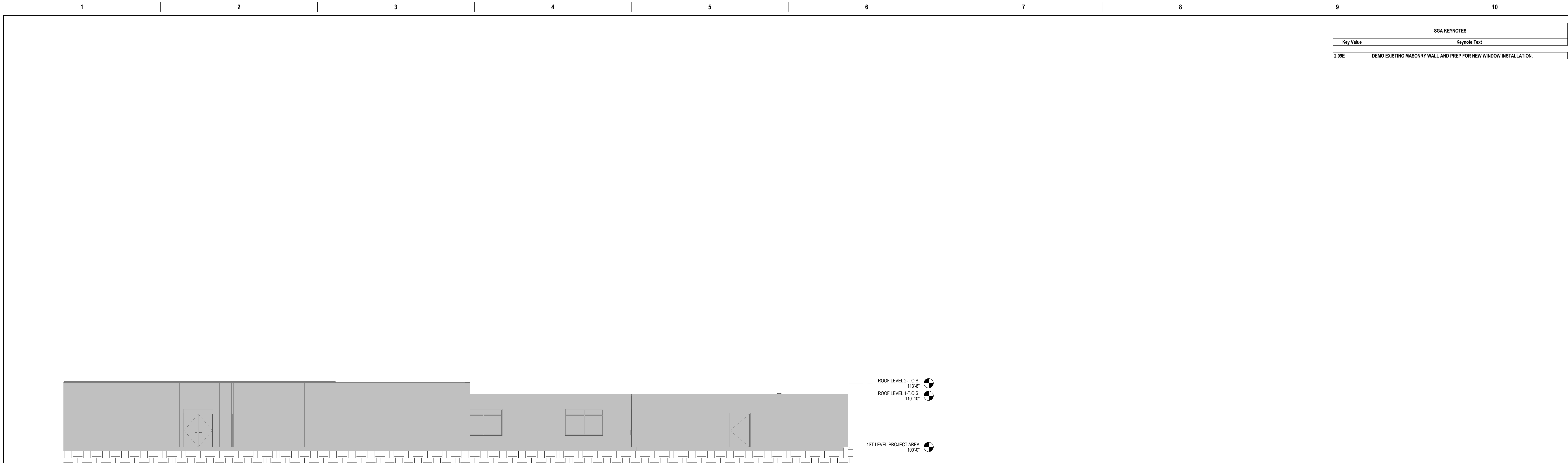
Drawn
RMV/DAN

Project Number
VA #568-20-102
SGA #211937

Building Number
148

Draw Number
AD-103

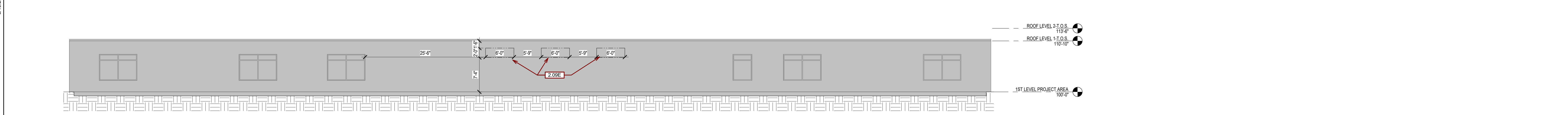
SGA KEYNOTES	
Key Value	Keynote Text
2.09E	DEMO EXISTING MASONRY WALL AND PREP FOR NEW WINDOW INSTALLATION.



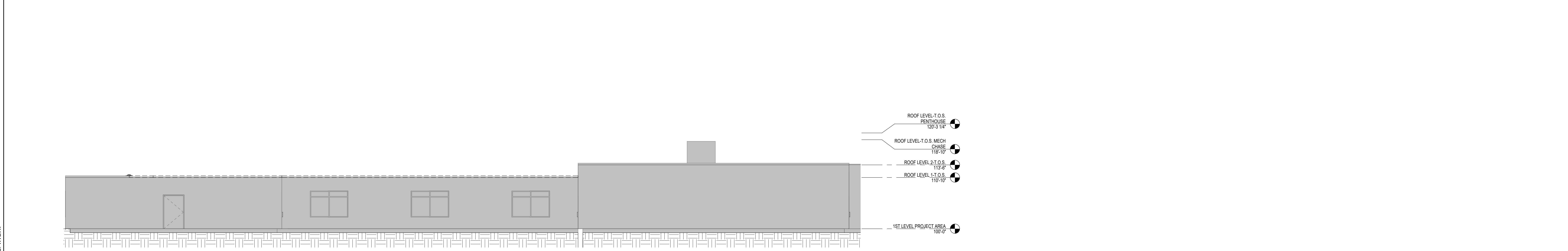
C1 SOUTH DEMO ELEVATION
1/8" = 1'-0"



D1 WEST DEMO ELEVATION
1/8" = 1'-0"



E1 EAST DEMO ELEVATION
1/8" = 1'-0"



G1 NORTH DEMO ELEVATION
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD

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STAMP

Office of Construction and Facilities Management

Drawing Title
DEMOLITION ELEVATIONS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102 SGA #211937

Building Number
148

Drawing Number
AD-201

GENERAL FLOOR PLAN NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE COR BEFORE PROCEEDING WITH THE WORK.
- B. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
- C. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
- D. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- E. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- F. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- G. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- H. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F. SEE SHEET 01-02.
- I. WINDOW AND DOOR TYPES, SEE SCHED.
- J. PROVIDE CONTROL JOINTS IN DRYWALL EVERY 30'-0".
- K. ALL DIMENSIONS ARE TO OUTSIDE OF WALL FRAMING.
- L. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION FOR TILE FLOOR INSTALLATION. CONTRACTOR TO USE SCHLUTER PRODUCTS AS BASIS OF DESIGN FOR WATERPROOFING & KEROL & OTRA PRODUCTS AS APPLICABLE TO MANUFACTURER'S RECOMMENDATIONS.
- M. REPAIR ALL ROOMS THAT HAVE BEEN DEMOLITIONED.
- N. REPLACE ALL WALL BASES AND FLOORING IN DEMO ROOMS.
- O. REINSTALL AND/OR REPLACE ALL FINISHES AND FURNISHINGS.
- P. INSTALL WALL HANDRAILS IN CORRIDORS.
- Q. REMOVE AND REINSTALL PLUMBING FIXTURES AS REQ'D TO ACCOMMODATE TILE REMOVAL. SAVE REMOVED SIGNAGE TO BE PUT BACK WHEN FINISHED.
- T.

Key Note	Keynote Text
6.35	INSTALL BACKING SUPPORT FOR NEW VA SUPPLIED CABINET SYSTEM
6.60C	SLOPED SOLID SURFACE W/D SILL SEE DETAILS FOR ANGLE
8.01E	INSTALL LAMINATED GLASS IN EXISTING DOOR. SUPPLY NEW GLAZING STOPS. SEE DOOR SCHEDULE.
8.02	FILL AND SEAL TOP OF EXISTING HOLLOW METAL DOOR.
8.12	INSTALL INTERIOR ACCESSORY WINDOW INTO EXISTING WINDOW OPENING. - SEE SPECS.
8.14	INSTALL NEW METAL HEALTH RATED EXTERIOR GLAZING IN EXISTING ALUMINUM FRAME AND DOOR. - SEE SPECS.
9.05	APPLY RUBBERIZED COATING FROM TOP OF EXISTING COATING TO NEW GYP CEILING. ALL WALLS IN D129A.
9.10	FILL, PATCH, AND NEW FINISH FOR OPENING IN WALL
9.11	WHERE CEILING IS BEING RAISED, INSTALL GYPSUM, PATCH HOLES AND PREP WALLS FOR NEW FINISH
9.60	REPAIR RUBBERIZED COATING ON FLOOR.
10.11	NEW ANTI-LIGATURE HANRAIL AND CRASH RAIL THROUGHOUT CORRIDOR.
10.26	WALL PROTECTION FULL WALL HEIGHT
22.47	NEW WATER BOTTLE FILLER FOUNTAIN SEE SPECS AND MECH

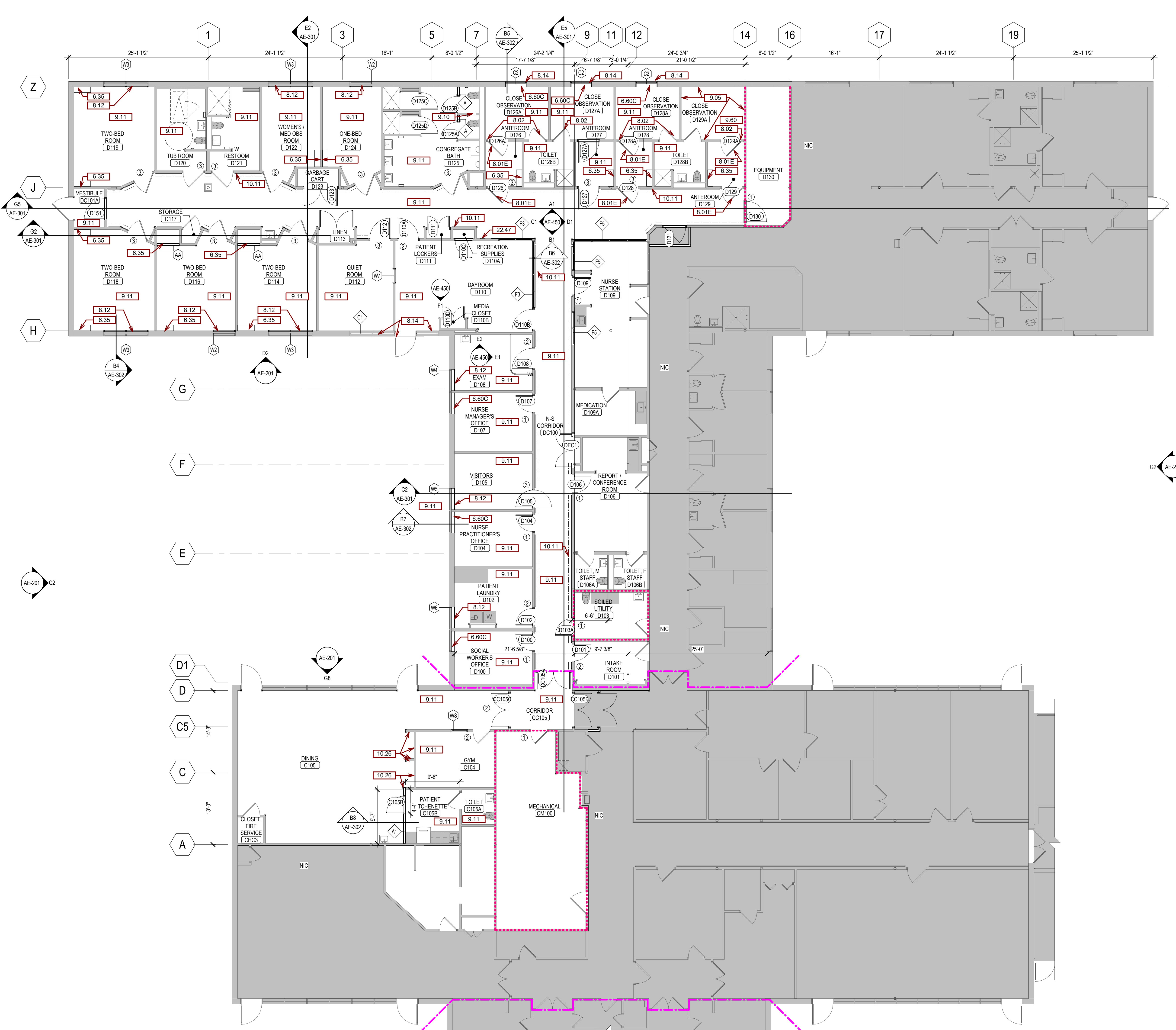
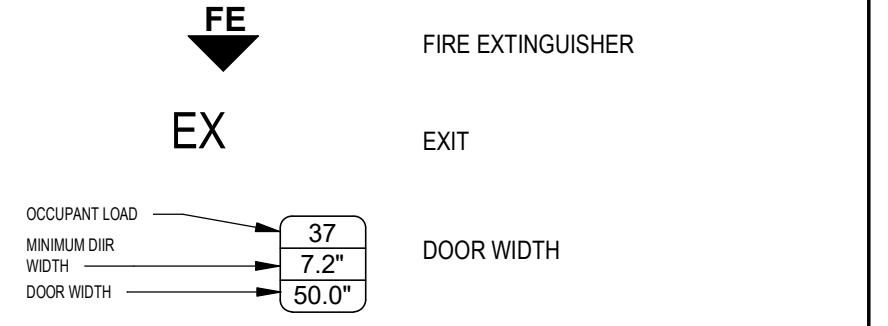
WALL TYPES		INDICATED THUS ON FLOOR PLANS
AA	NON-RATED	5/8" IMPACT RESISTANT G.W.B., 3 5/8" STEEL STUD, R-13 BATT AND R-13 CI INSULATION
E2	NON-RATED	EXTERIOR MTL. PANEL ON 3 5/8" METAL STUD, R-13 BATT AND R-13 CI INSULATION

SECURITY ZONES

- 3 ZONE 3 - HIGHEST SECURITY LEVEL
PATIENTS ARE ALONE LIKE BEDROOMS AND BATHROOMS
- 2 ZONE 2 - MODERATE SECURITY LEVEL
PATIENTS ARE OBSERVED BY STAFF LIKE DAYROOMS
- 1 ZONE 1 - LOWEST SECURITY
PATIENTS HAVE RESTRICTED ACCESS

LIFE SAFETY LEGEND

- 2FW 2HR FIRE WALL
- 2FB 2HR FIRE BARRIER
- 1FB 1HR FIRE BARRIER
- 2FS 2HR FIRE / SMOKE BARRIER
- 30SB 30 MIN SMOKE BARRIER
- 1SB 1HR SMOKE BARRIER
- 2SB 2HR SMOKE BARRIER
- SMOKE PARTITION



G2 1ST LEVEL FLOOR PLAN
1/8" = 1'-0"

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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STAMP

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

Drawing Title
1ST LEVEL FLOOR PLAN & SCHEDULES

Phase
CONSTRUCTION DOCUMENTS

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Project Number
VA #568-20-102
SGA #211937

Building Number
148

Drawing Number
AE-101

FULLY SPRINKLERED

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

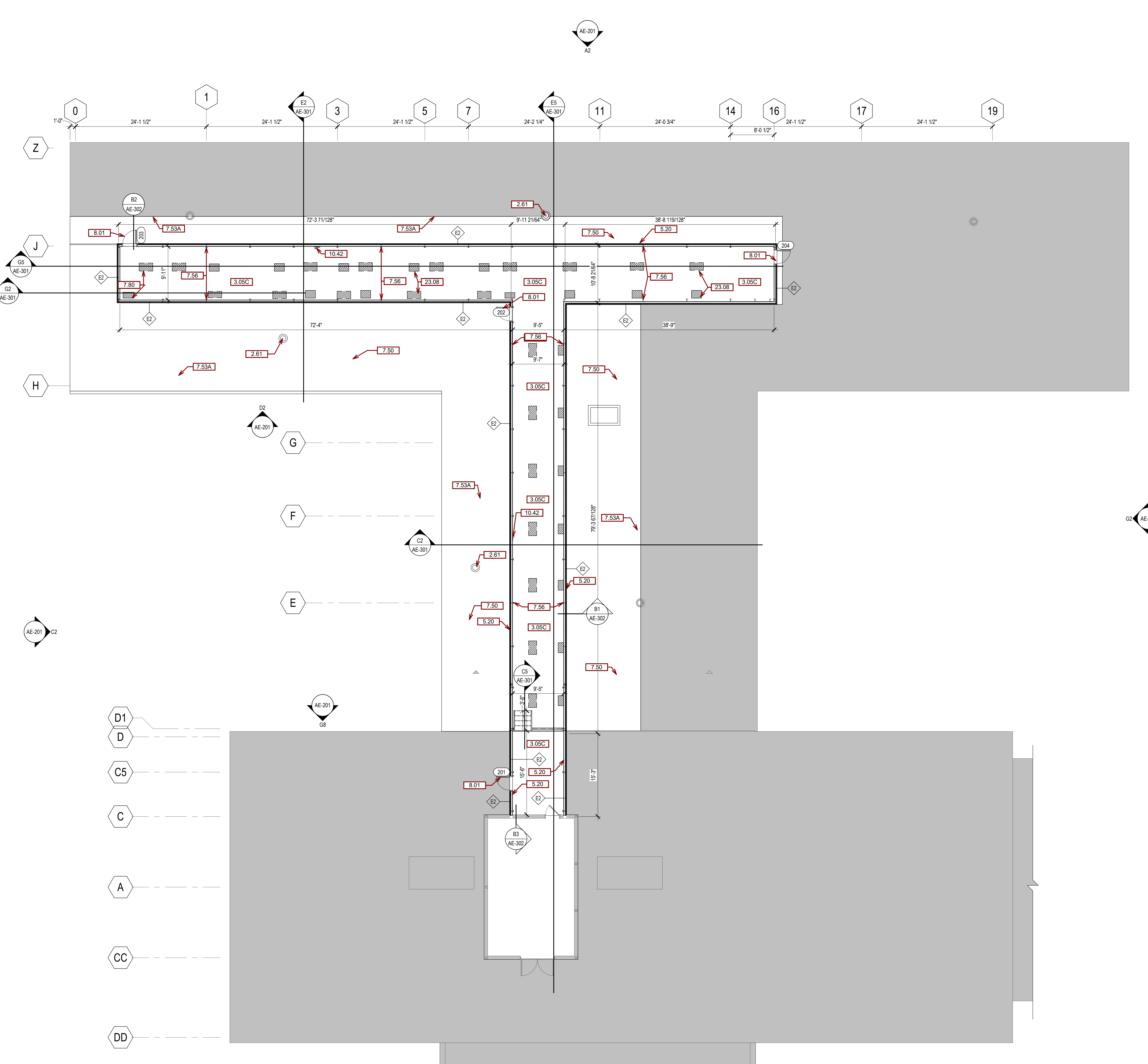
Drawn
RMV/DAN

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GENERAL FLOOR PLAN NOTES:

- A. ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE COR BEFORE PROCEEDING WITH THE WORK.
- B. FURNITURE IS PROVIDED AND INSTALLED BY OTHERS.
- C. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
- D. CONTRACTOR & SUBCONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
- E. ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- F. DETAILS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.
- G. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- H. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F. SEE SHEET 0-002.
- J. WINDOW AND DOOR TYPES, SEE SCHED.
- K. PROVIDE CONTROL JOINTS IN DRYWALL EVERY 30'-0".
- L. ALL DIMENSIONS ARE TO OUTSIDE OF WALL FRAMING.
- M. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- N. FOR TILE FLOOR INSTALLATION, CONTRACTOR TO USE SCHLUTER PRODUCTS AS BASIS OF DESIGN FOR WATERPROOFING & KERFI & DITRA PRODUCTS AS APPLICABLE TO MANUFACTURER'S RECOMMENDATIONS.
- O. REPAIR ALL ROOMS THAT HAVE BEEN DEMOLITIONED.
- P. REPLACE ALL WALL BASES AND FLOORING IN DEMO ROOMS.
- Q. REINSTALL AND/OR REPLACE ALL FINISHES AND FURNISHINGS.
- R. INSTALL WALL HANDRAILS IN CORRIDORS.
- S. REMOVE AND REINSTALL PLUMBING FIXTURES AS REQ'D TO ACCOMMODATE TILE REMOVAL.
- T. SAVE REMOVED SIGNAGE TO BE PUT BACK WHEN FINISHED.

SGA KEYNOTES	
Key Value	Keynote Text
2.61	REMOVE EXISTING ROOF DRAIN AND REPLACE WITH NEW DRAIN IN SAME LOCATION.
3.05C	INSTALL 5/8" STRUCTURAL GYPSUM PANEL OVER TOP OF EXISTING ROOF TO PROVIDE CLEAN DECK. SEAL ALL SEAMS WITH LIGHTWEIGHT GYPSUM LEVELING COMPOUND.
5.20	METAL PANEL MATCH EXISTING BUILDING COLOR.
7.50	INSTALL NEW PVC ROOF MEMBRANE SYSTEM.
7.53A	INSTALL POLYISO INSULATION (TAPERED 1" PER 12"), MATCH EXISTING INSULATION THICKNESS AT DRAIN.
7.56	INFILL AROUND COLUMN WITH NON-SHRINK GROUT. SEE STRUCTURAL.
7.80	INSTALL FIRE STOPPING AROUND MECHANICAL PENETRATION.
8.01	DOOR - SEE SCHED.
10.42	WALL-MOUNTED FIRE EXTINGUISHER
23.08	NEW MECH PENETRATIONS. SEE MECH.



G2 2ND LEVEL PHASES
1/8" = 1'-0"

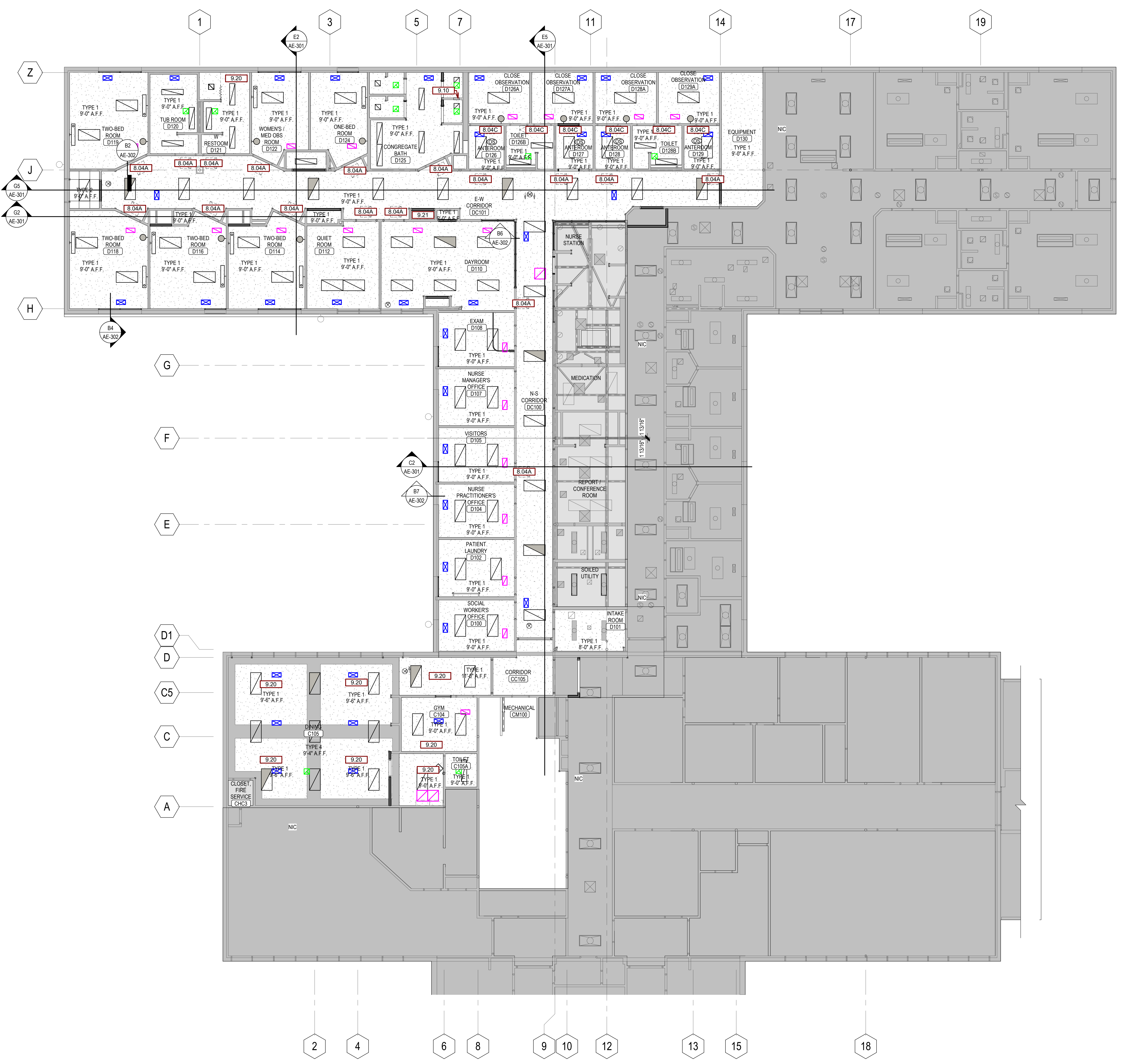
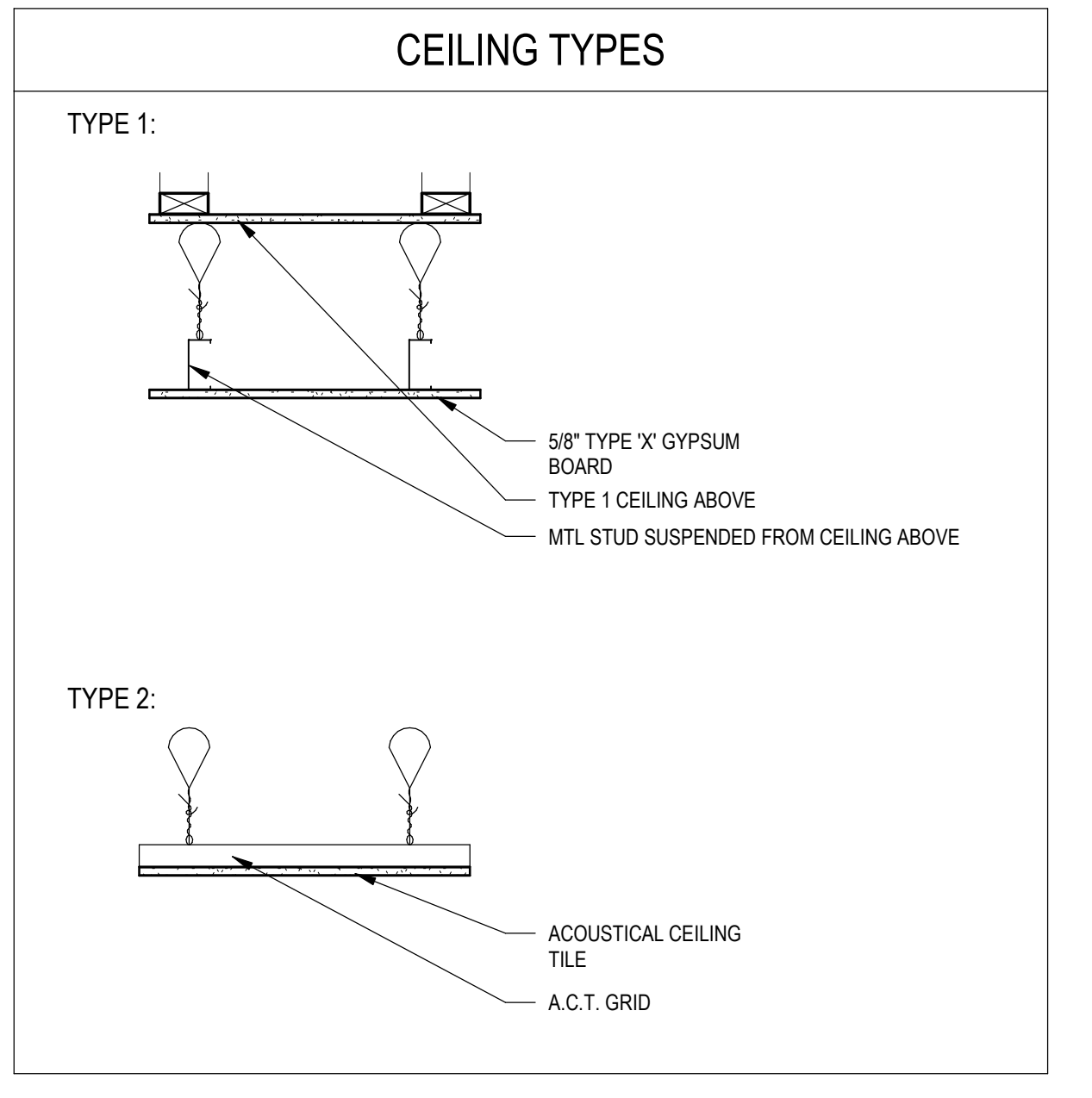
WALL TYPES		INDICATED THIS ON FLOOR PLANS
AA	- NON-RATED;	3/8" IMPACT RESISTANT G.W.B., 3/8" STEEL STUD
E2	- NON-RATED;	EXTERIOR MTL PANEL ON 3/4" METAL STUD, R-13 BATT AND R-13 CI INSULATION

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 VA FORM 08 - 6231

CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-340-7455		STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-8600		ARCHITECT OF RECORD A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title 2ND LEVEL FLOOR PLAN		Phase CONSTRUCTION DOCUMENTS		Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD		Project Number VA #568-20-102 SGA #211937	
Revisions# Description Date:						Approved:		Fully Sprinklered		Location FORT MEADE, SOUTH DAKOTA		Building Number 148		Drawing Number AE-102	
								Issue Date 08/05/22		Checked JHK		Drawn RMV/DAN			

- GENERAL RCP NOTES:**
- A. ANY DISCREPANCIES FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND THE OWNER BEFORE PROCEEDING WITH ALL THE WORK.
 - B. ALL ITEMS INSTALLED IN CEILINGS ARE TO BE CENTERED AND/OR SYMMETRICAL ON THE CENTERLINE OF ROOMS AND CENTERED IN TILES.
 - C. INSTALL ALL WALL MOUNTED EXIT SIGNS AND OTHER FIXTURES CENTERED ABOVE OPENINGS WHERE POSSIBLE.
 - D. REFLECTED CEILING PLANS SHOW LOCATIONS OF ITEMS THAT ARE ARCHITECTURALLY SIGNIFICANT ONLY. MECHANICAL AND ELECTRICAL ITEMS INDICATED ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS.
 - E. GYPSUM USED IN RESTROOM AND OTHER AREAS EXPOSED TO MOISTURE SHALL BE WATER RESISTANT GYPSUM BOARD.
 - F. PAINT HORIZONTAL AND VERTICAL FACES OF THE SOFFITS SPECIFIED PAINT COLOR, UNLESS NOTED OTHERWISE.
 - G. ALL BULKHEAD HORIZONTAL AND VERTICAL FACES TO BE PAINTED PT-4, UNLESS NOTED OTHERWISE.
 - H. ALL GYPSUM BOARD CEILINGS TO BE PAINTED PT-4, UNLESS OTHERWISE NOTED.
 - I. ALL BULKHEADS TO EXTEND PAST ADJACENT CEILING HEIGHT 2' UNLESS OTHERWISE NOTED.
 - J. AT RCP SECTIONS REFER TO REFLECTED CEILING PLAN FOR CEILING/SOFFIT ELEVATIONS.

SGA KEYNOTES	
Key Value	Keynote Text
8.04A	2'x2' ACCESS PANEL FOR DOOR ALARM
8.84C	18"x18" ACCESS PANEL FOR SMOKE ALARM
9.10	FILL, PATCH AND NEW FINISH FOR OPENING IN WALL
9.20	GYPSUM CEILING BOARD
9.21	GYPSUM CEILING BOARD TO BE FLUSH WITH TOP OF LOCKERS.



G2 1ST LEVEL REFLECTED CEILING PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
Phone: 605-340-7455

STRUCTURAL:
Albertson Engineering, Inc.
2022 W. Main St., E.C.
Rapid City, South Dakota 57702
Phone: 605-343-8600

ARCHITECT OF RECORD

A/E:
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STONE GROUP ARCHITECTS

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
1ST FLOOR REFLECTED CEILING PLAN

Project Title
CONSTRUCTION DOCUMENTS

Phase
FULLY SPRINKLERED

Approved:

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102
SGA #211937

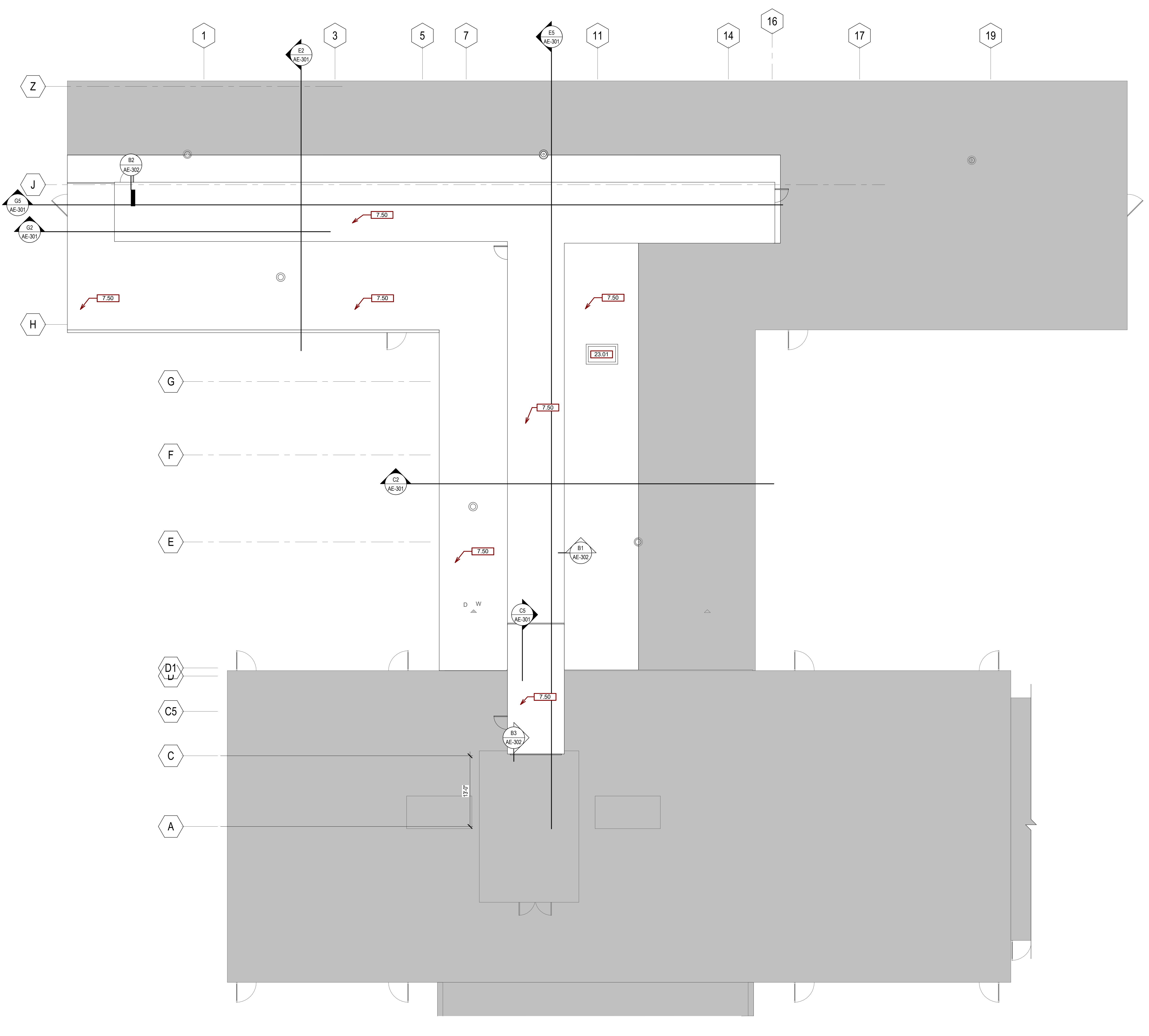
Building Number
148

Drawing Number
AE-110

GENERAL ROOF NOTES:

- A. PROVIDE SEALANT AT ALL INTERIOR AND EXTERIOR JOINTS BETWEEN DIFFERENT MATERIALS, TRANSITIONS, AND ACCORDING TO INDUSTRY STANDARDS AND MANUFACTURER'S SPECIFICATIONS.
- B. ROOF VENTING @ 1300 FOR RIDGE & SOFFIT VENTS. SEE MANUFACTURER.
- C. VENT STACKS AS REQUIRED. SEE MANUFACTURER.
- D. ROOF SHALL BE A 1/4" / 12' SLOPE PVC TO MATCH EXISTING ROOF MATERIAL.

SGA KEYNOTES	
Key Value	Keynote Text
7.50	INSTALL NEW PVC ROOF MEMBRANE SYSTEM
23.01	MECH ELEMENT ON 6" ROOF CURB - SEE MECH DRAWINGS.



G2 ROOF PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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WPE
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STAMP

STONE GROUP ARCHITECTS

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ROOF PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

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JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102 SGA #211937

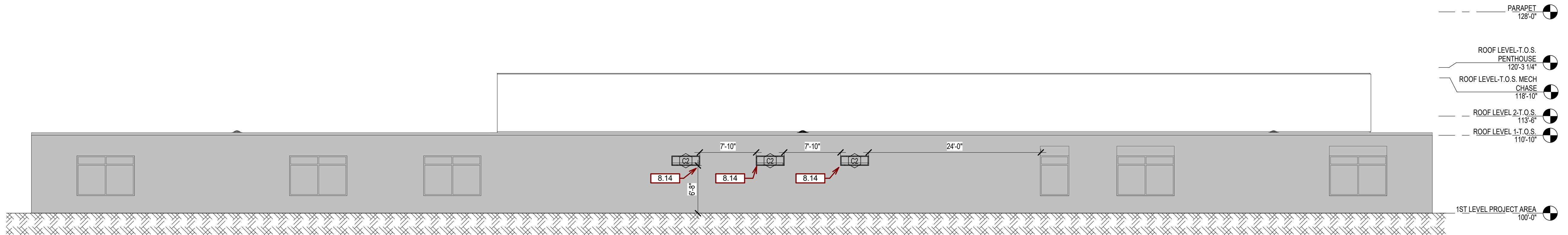
Building Number
148

Drawing Number
AE-120

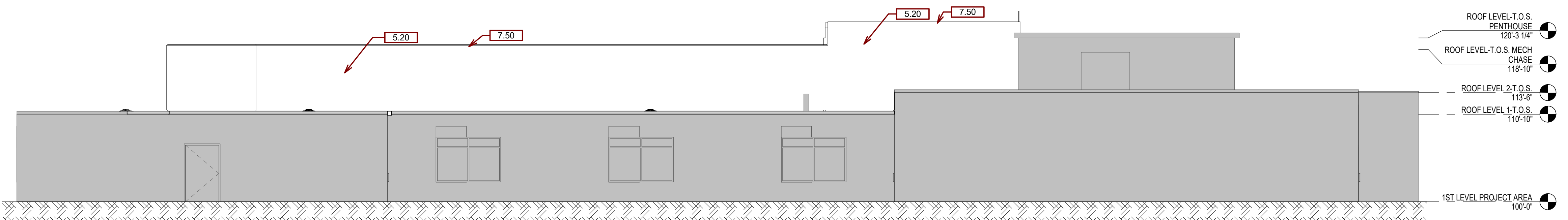
GENERAL ELEVATION NOTES:

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- G. PROVIDE WOOD BACKING FOR ALL BATH ACCESSORIES, HANDRAILS, OR OTHER ITEMS ATTACHED TO BUILDING WALLS.
- H. GYPSUM USED IN RESTROOMS SHALL BE WATER RESISTANT GYPSUM BOARD. USE DURAROCK @ ALL PORCELAIN & CERAMIC TILE LOCATIONS.
- I. PROVIDE ADA COMPLIANT SIGNAGE FOR ALL REQUIRED AREAS, ROOMS, & ACCESSIBLE PATHS.
- J. HEIGHT OF OPERATIONAL OR DISPENSING PORTION OF ACCESSORIES & FIXTURES NOT TO EXCEED 48" A.F.F.

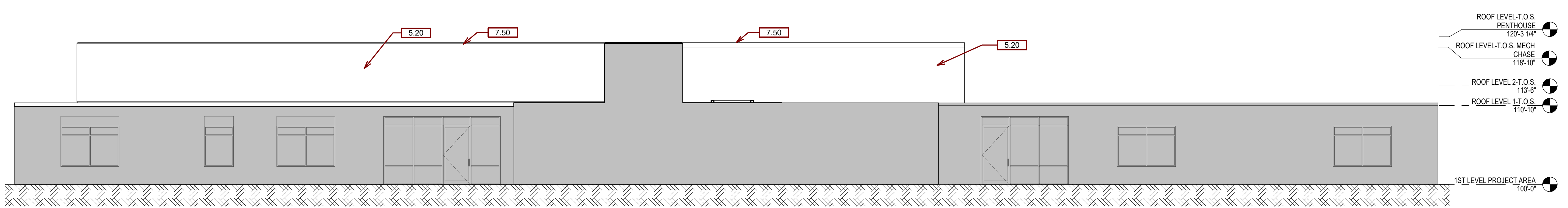
SGA KEYNOTES	
Key Value	Keynote Text
5.20	METAL PANEL MATCH EXISTING BUILDING COLOR
7.50	INSTALL NEW PVC ROOF MEMBRANE SYSTEM
8.14	INSTALL NEW MENTAL HEALTH RATED EXTERIOR GLAZING IN EXISTING ALUMINUM FRAME AND DOOR. -SEE SPECS.



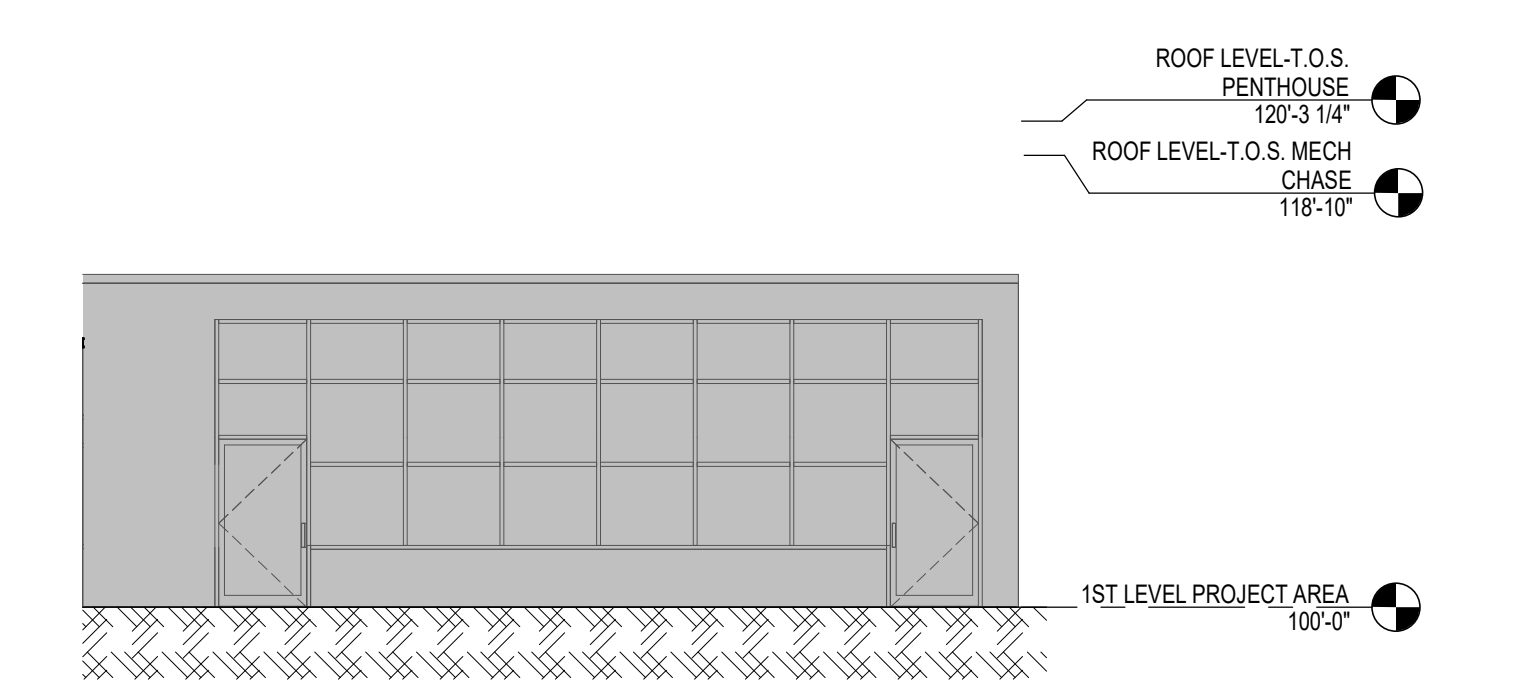
A2 WEST ELEVATION - WEST WING
1/8" = 1'-0"



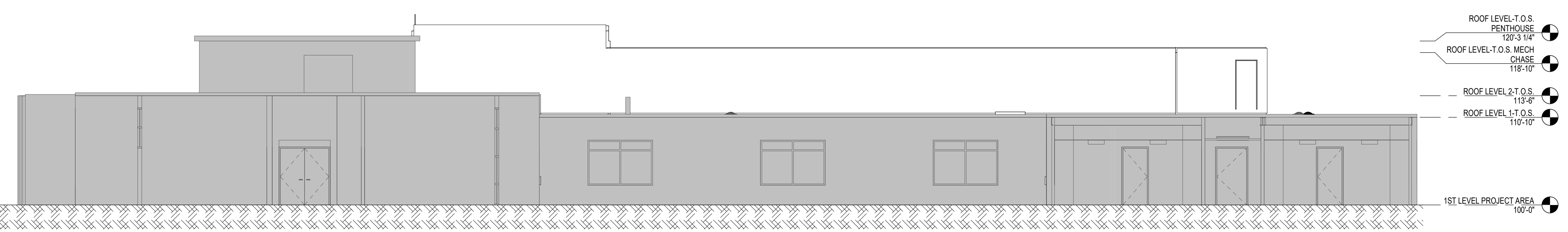
C2 SOUTH ELEVATION
1/8" = 1'-0"



D2 EAST ELEVATION - WEST WING
1/8" = 1'-0"



G8 WEST ELEVATION - EAST WING
1/8" = 1'-0"



G2 NORTH ELEVATION
1/8" = 1'-0"

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CONSULTANTS

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ARCHITECT OF RECORD

A/E:
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 600 E 7th Street
 Sioux Falls, SD 57103
 605-271-1144

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELEVATIONS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102 SGA #211937

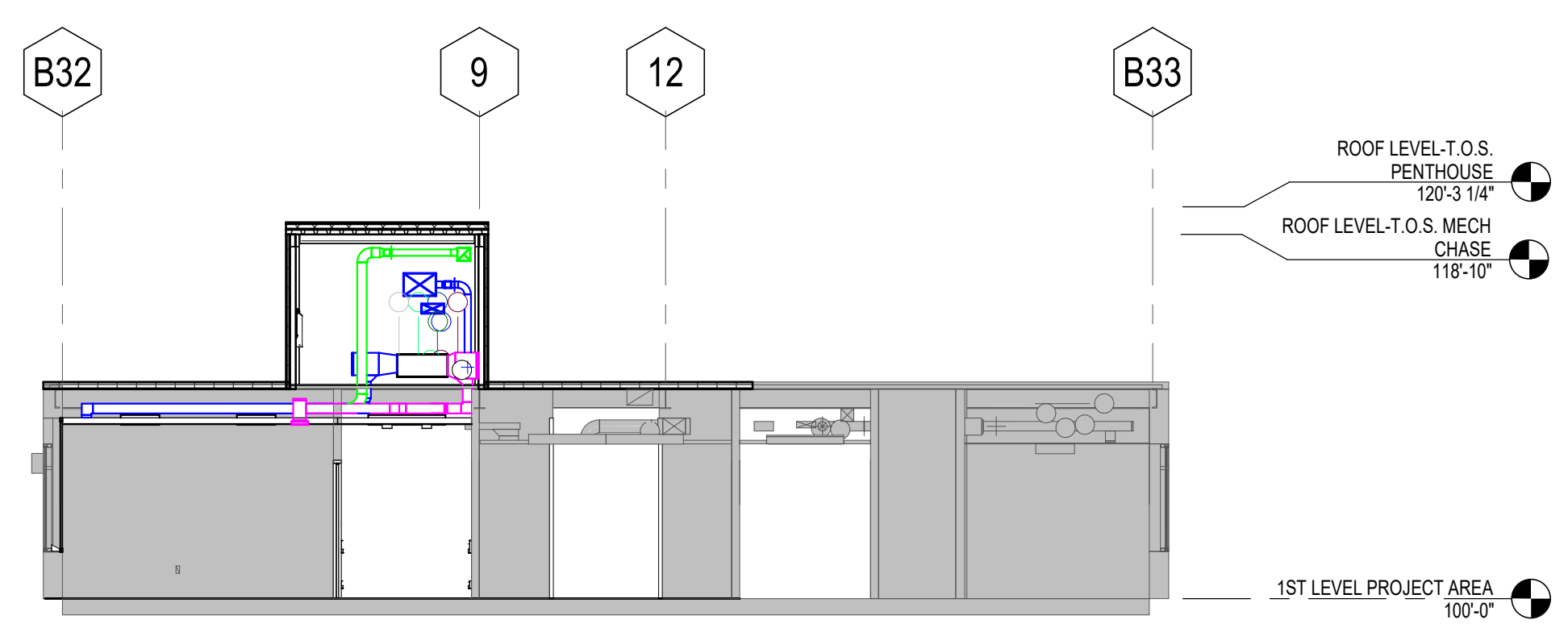
Building Number
148

Drawing Number
AE-201

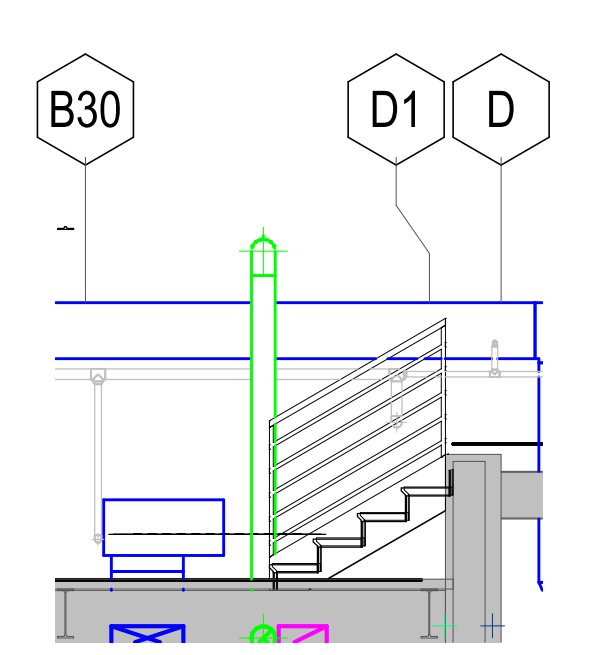
GENERAL SECTION NOTES:

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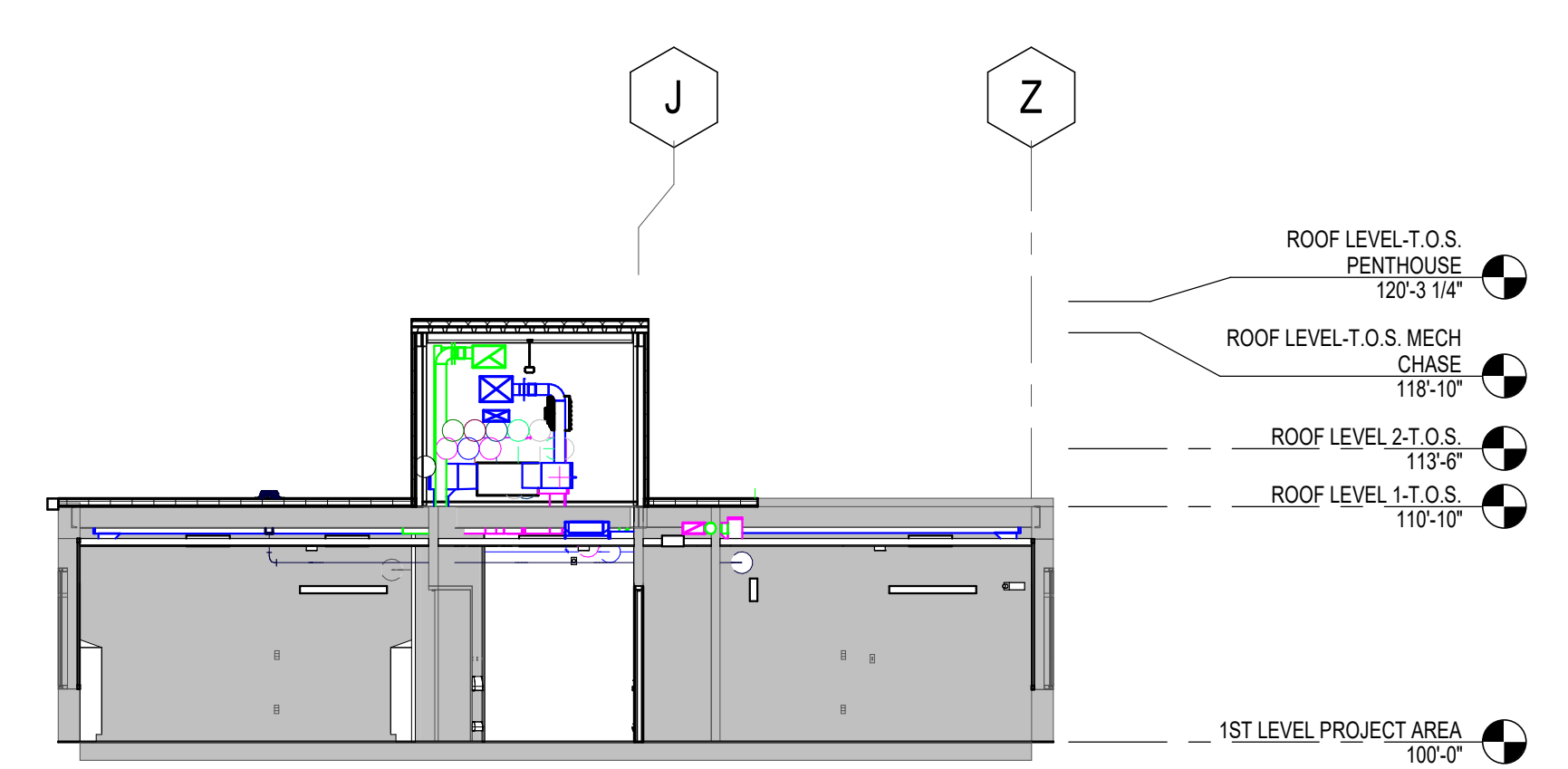
SGA KEYNOTES	
Key Value	Keynote Text



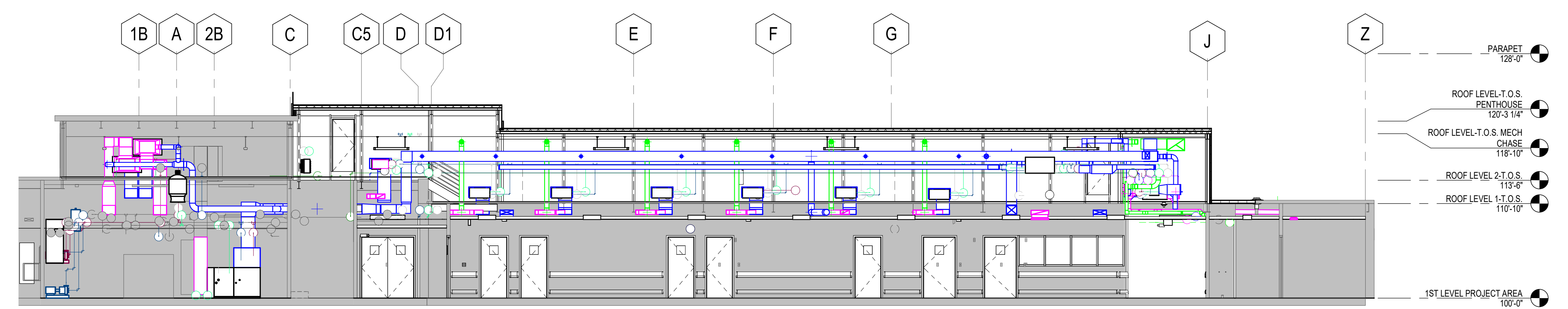
BUILDING SECTION - MECHANICAL CONNECTION
C2
 1/8" = 1'-0"



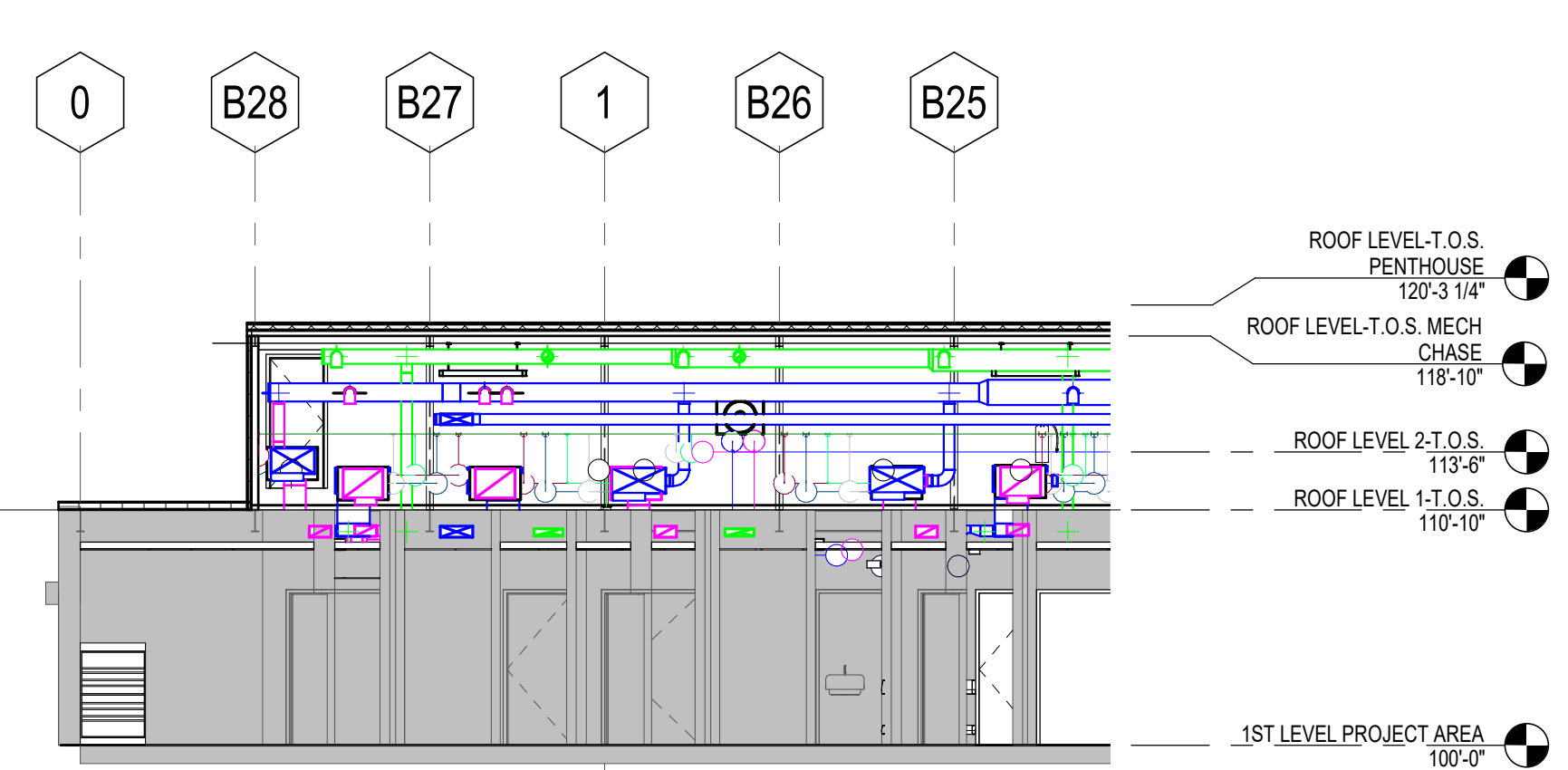
SECTION - PENTHOUSE STEP DOWN STAIR
C5
 1/4" = 1'-0"



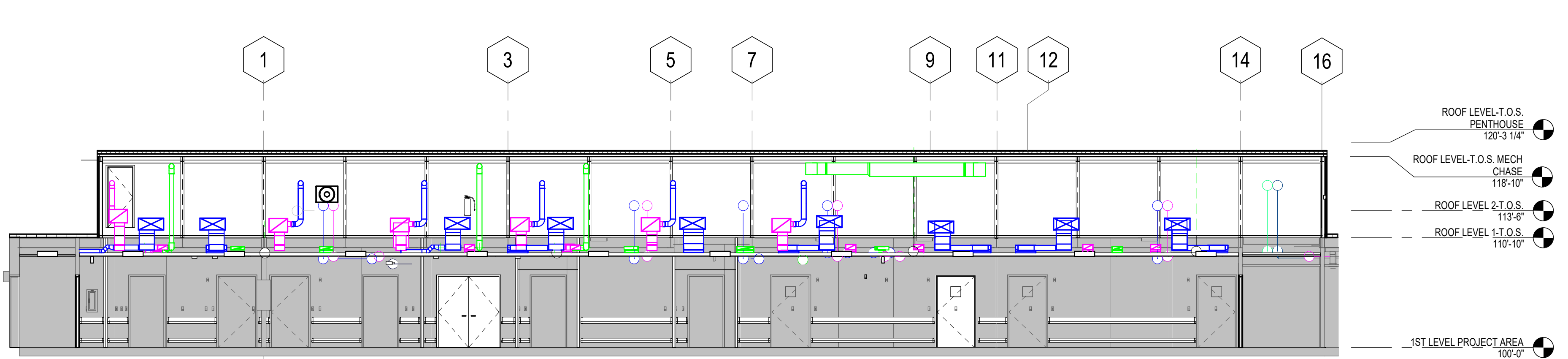
BUILDING SECTION - MECHANICAL SECOND FLOOR
E2
 1/8" = 1'-0"



BUILDING SECTION - MECHANICAL SECOND FLOOR ACCESS
E5
 1/8" = 1'-0"



BUILDING SECTION - STRUCTURE AND MECHANICAL CONNECTION ON ROOF
G2
 1/8" = 1'-0"



BUILDING SECTION - MECHANICAL DOWN CORRIDOR ON ROOF
G5
 1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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ARCHITECT OF RECORD

A/E:
 Stone Group Architects
 600 E 7th Street
 Sioux Falls, SD 57103
 605-271-1144



STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
BUILDING SECTIONS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
 08/05/22

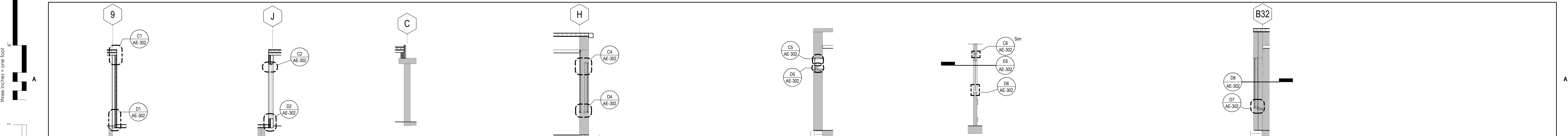
Checked
 JHK

Drawn
 RMV/DAN

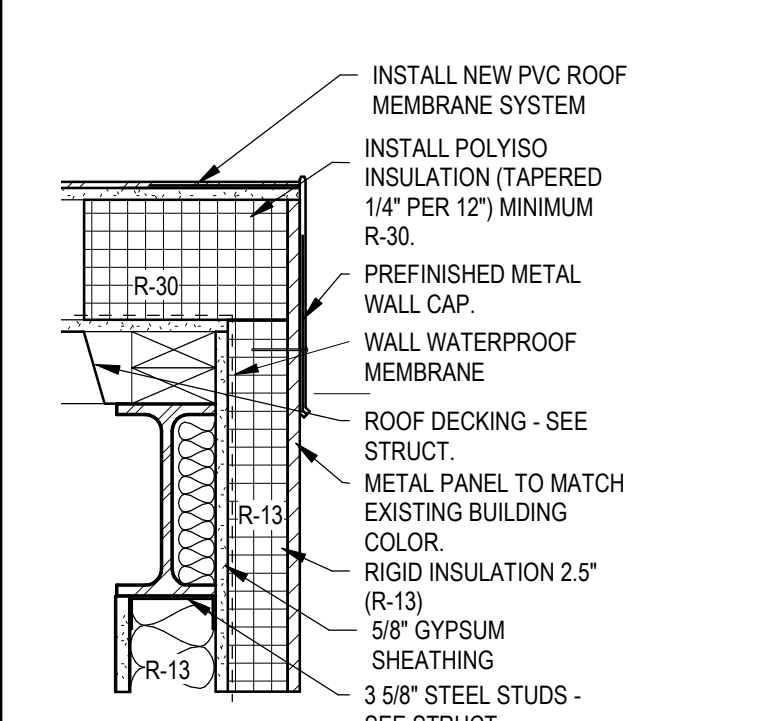
Project Number
 VA #568-20-102
 SGA #211937

Building Number
 148

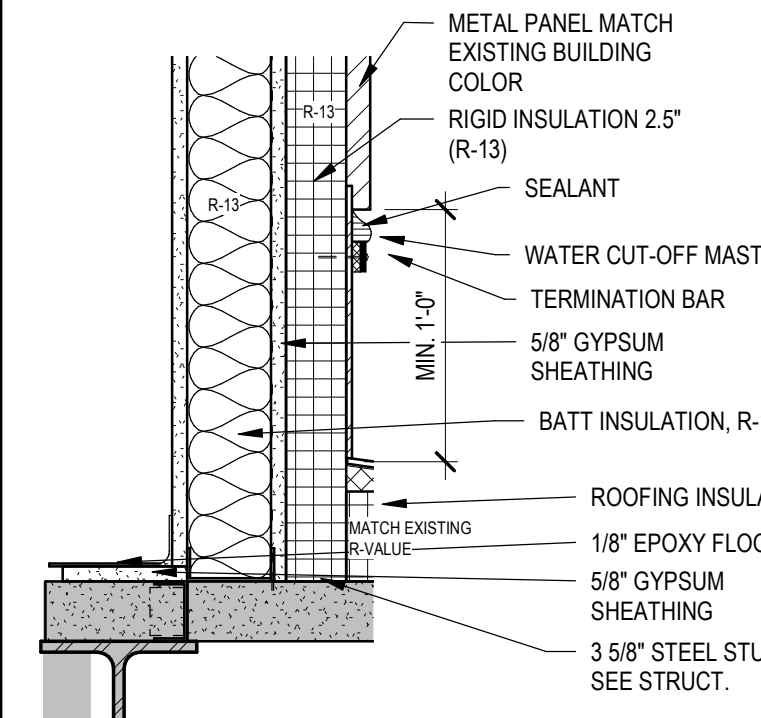
Drawing Number
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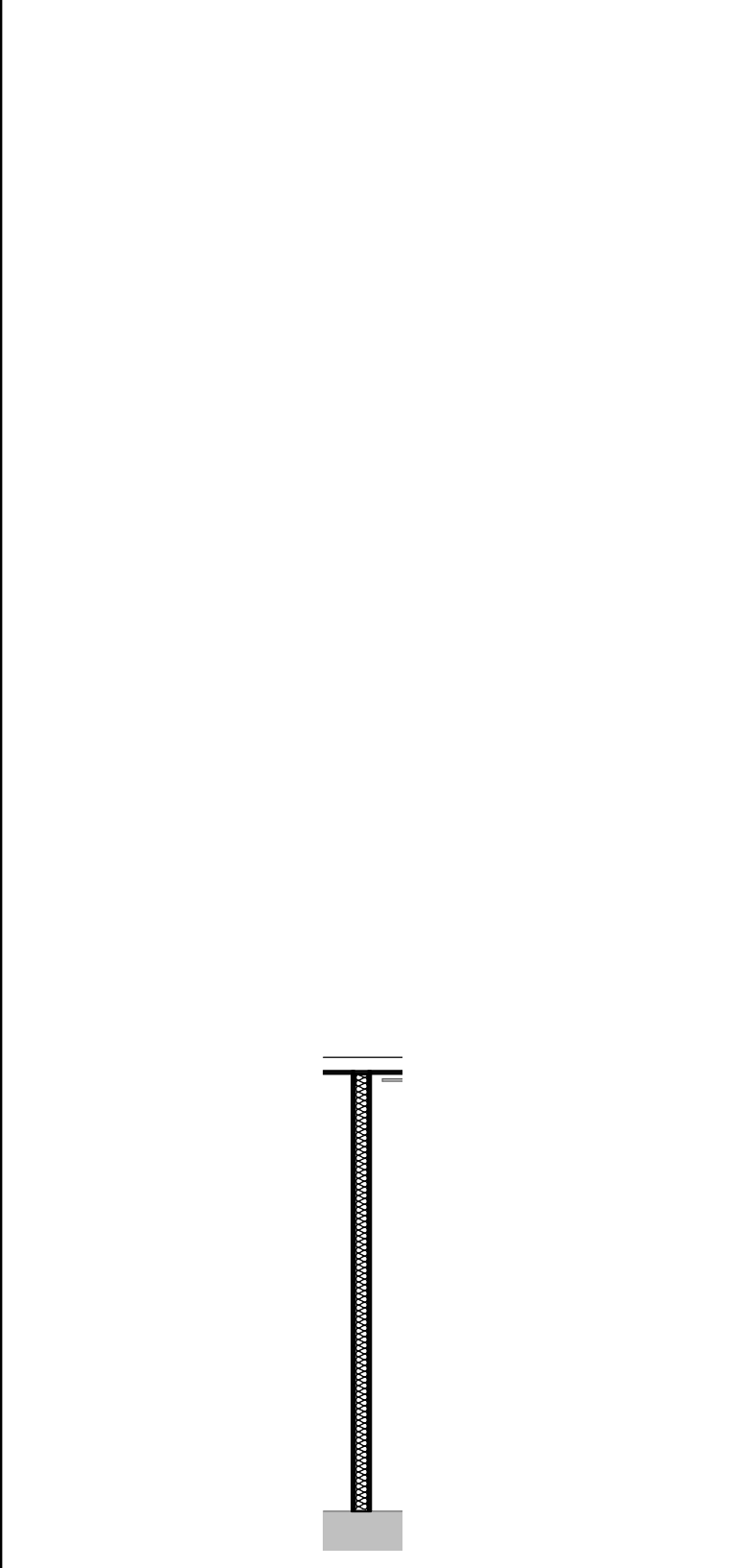
B1 WALL SECTION -IMP 4" MEETS ROOF CURB
1/4" = 1'-0"



C1 DETAIL SECTION - PENTHOUSE ROOF TO WALL
1 1/2" = 1'-0"



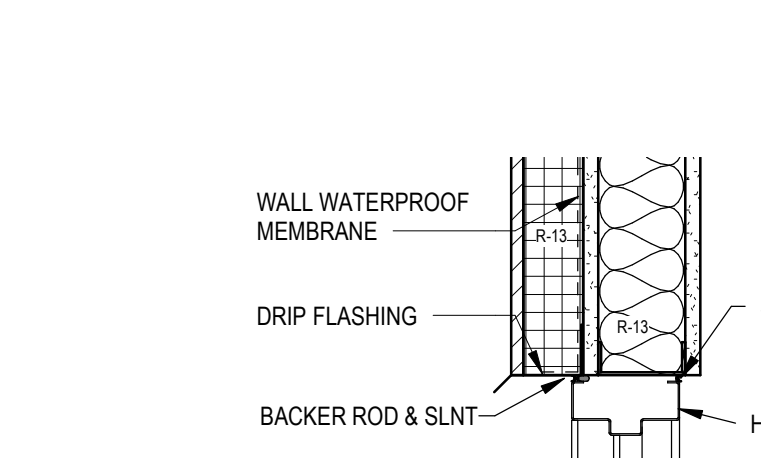
D1 DETAIL SECTION - PENTHOUSE WALL TO EXISTING ROOF
1 1/2" = 1'-0"



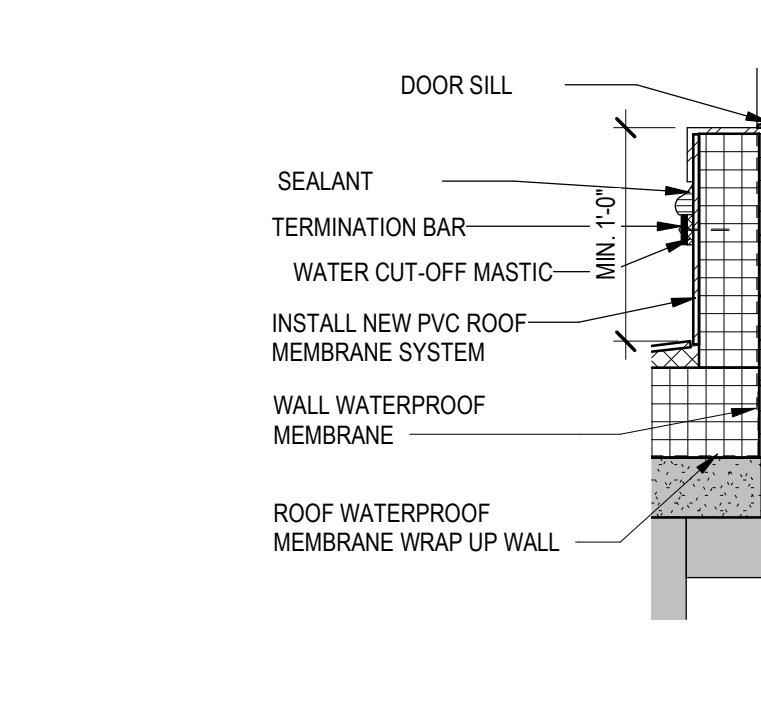
B8 WALL SECTION - PATIENT KITCHENETTE
1/4" = 1'-0"



B2 WALL SECTION -IMP 4" WALL WITH DOOR
1/4" = 1'-0"



C2 DETAIL SECTION - PENTHOUSE WALL DOOR HEAD
1 1/2" = 1'-0"



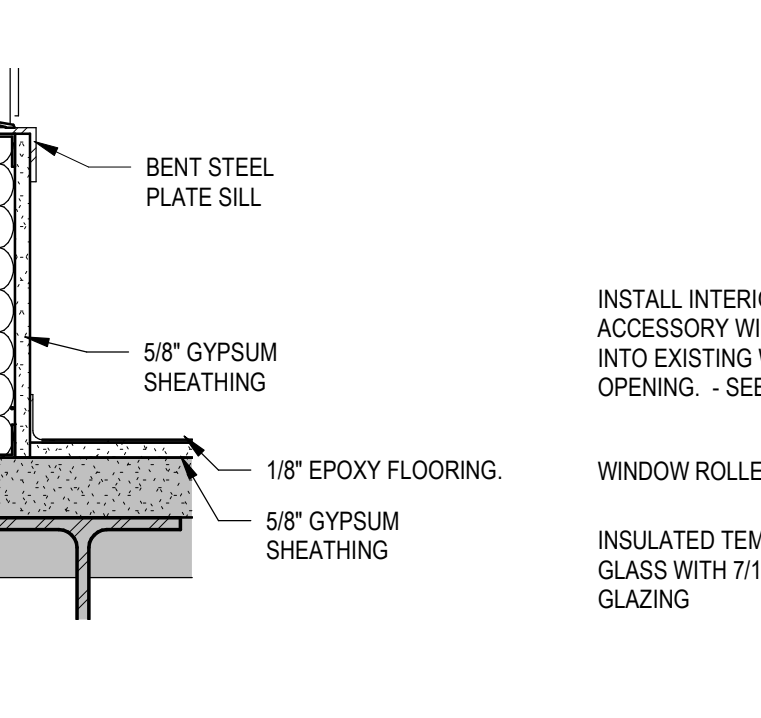
D2 DETAIL SECTION - PENTHOUSE WALL DOOR THRESHOLD
1 1/2" = 1'-0"



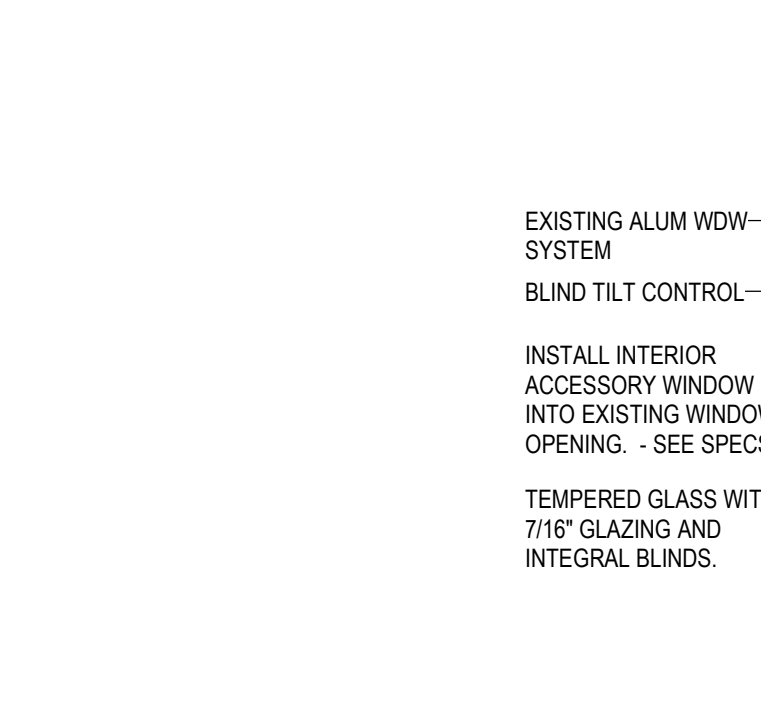
B3 WALL SECTION - PENTHOUSE CONNECTION
1/4" = 1'-0"



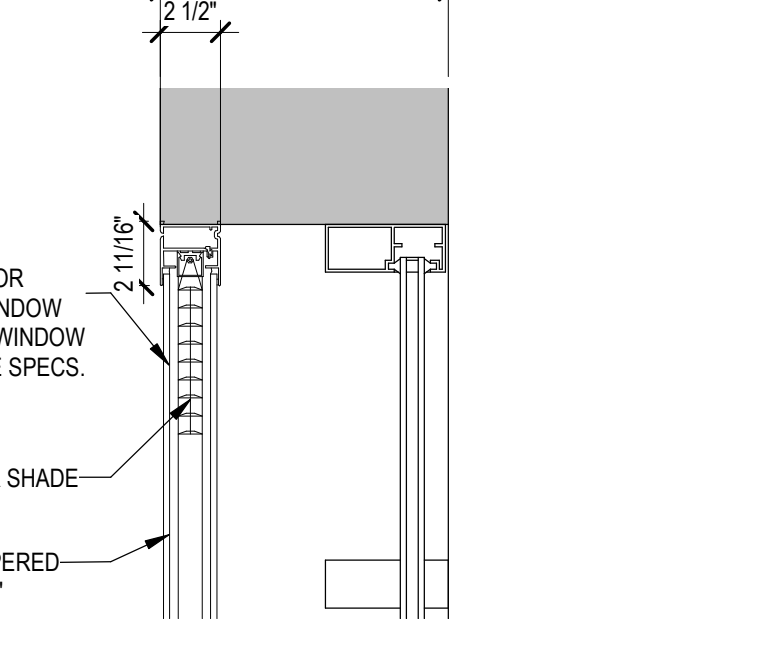
C2 DETAIL SECTION - PENTHOUSE WALL DOOR HEAD
1 1/2" = 1'-0"



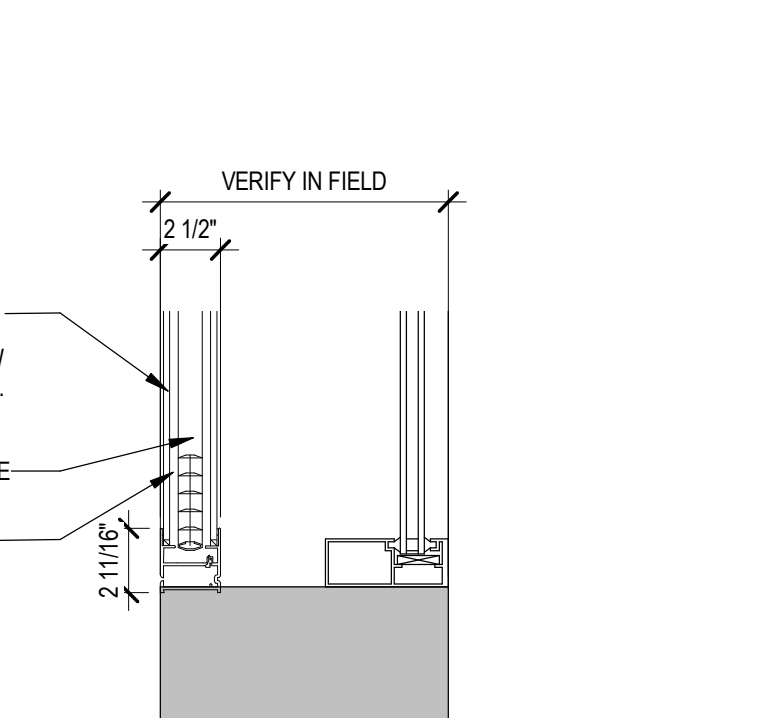
D2 DETAIL SECTION - PENTHOUSE WALL DOOR THRESHOLD
1 1/2" = 1'-0"



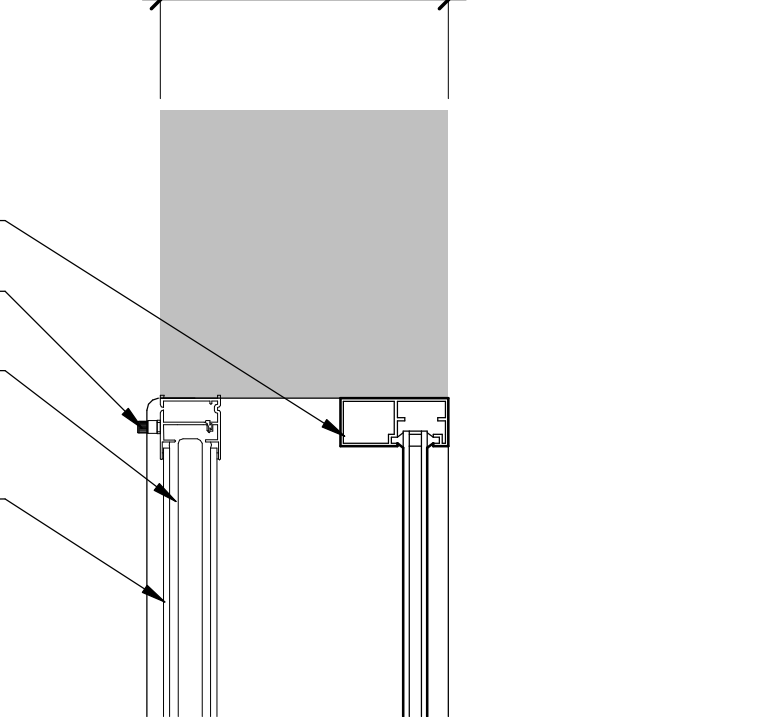
B4 WALL SECTION - WAUSAU INTERIOR WINDOW
1/4" = 1'-0"



C4 DETAIL SECTION - WAUSAU WND HEAD
1 1/2" = 1'-0"



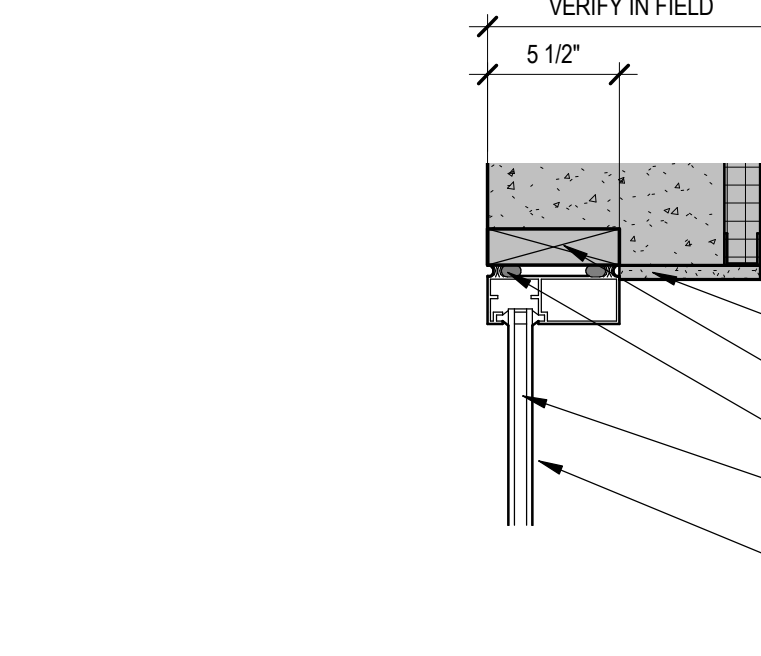
D4 DETAIL SECTION - WAUSAU WND SILL
1 1/2" = 1'-0"



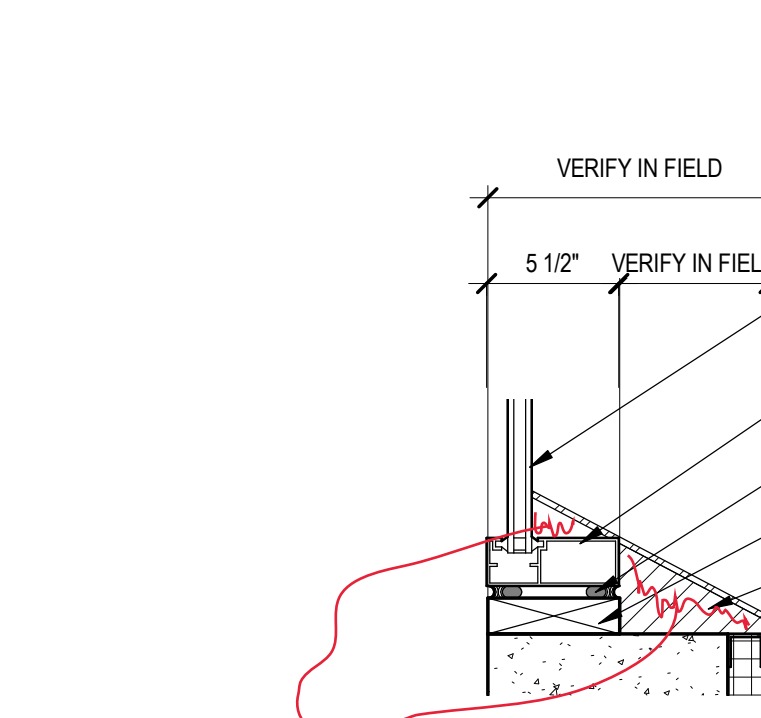
E4 PLAN DETAIL - WAUSAU WND
1 1/2" = 1'-0"



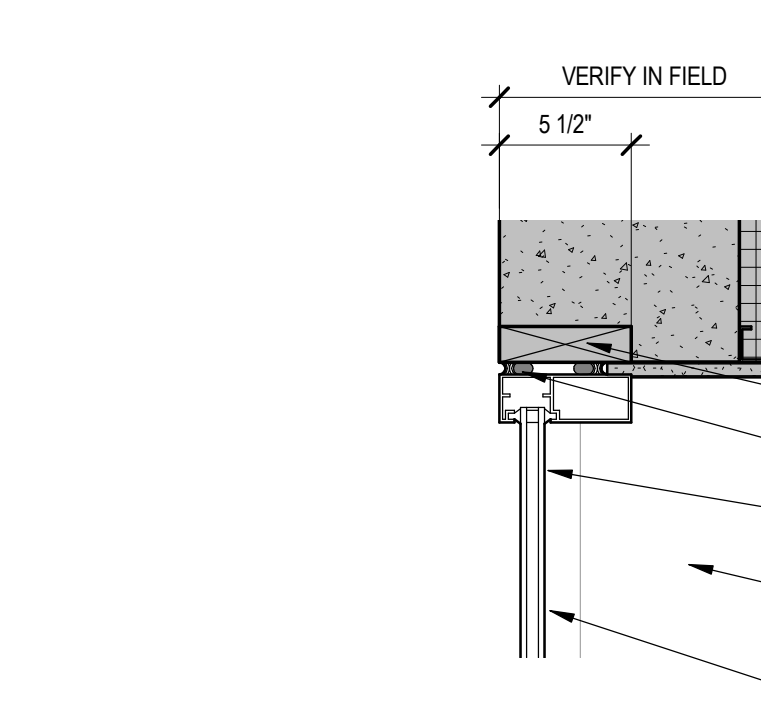
B5 WALL SECTION - CLOSED OBSERVATION WINDOW
1/4" = 1'-0"



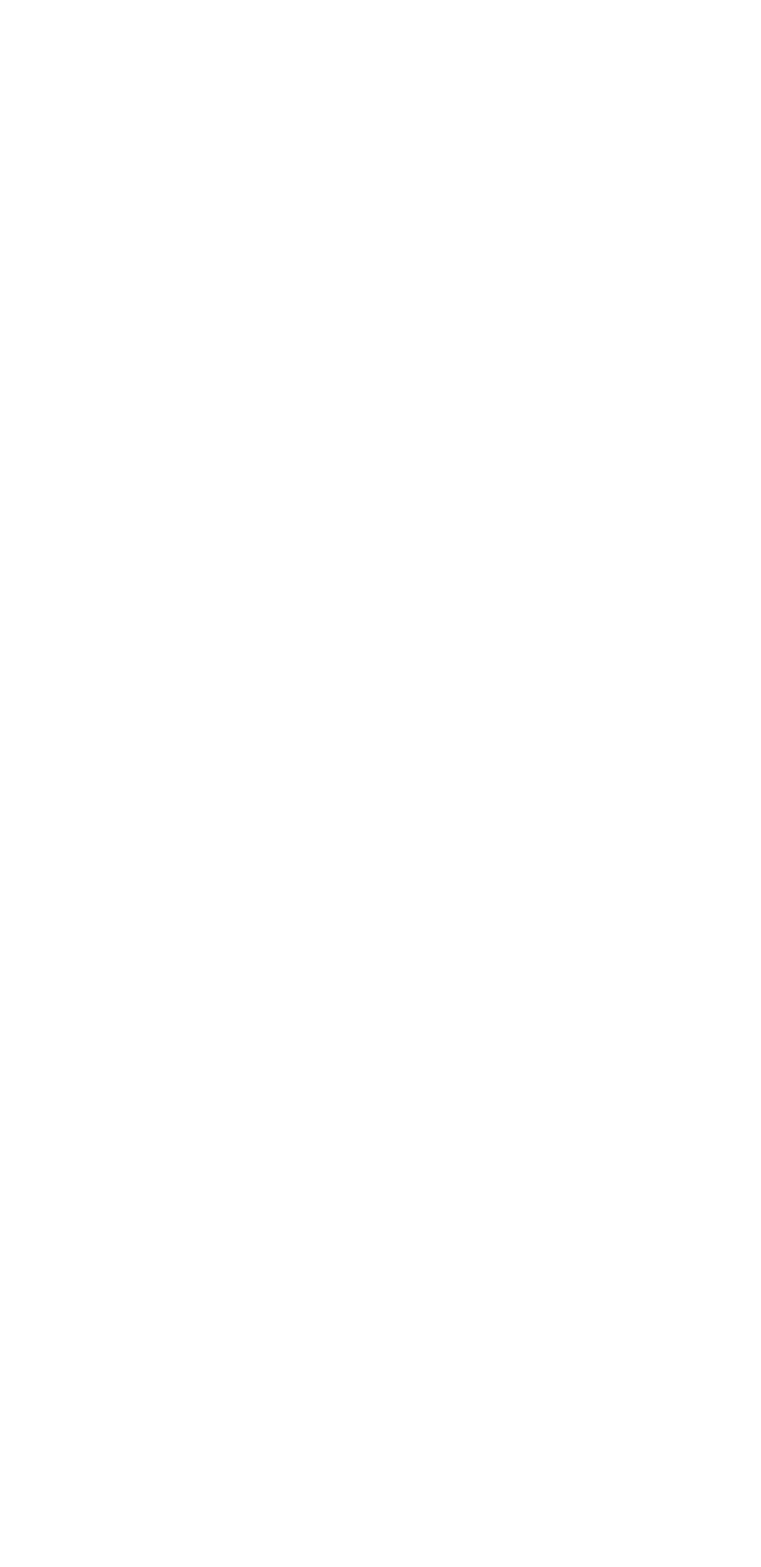
C5 DETAIL SECTION - CLSD OBSERVATION RM WDW HEAD
1 1/2" = 1'-0"



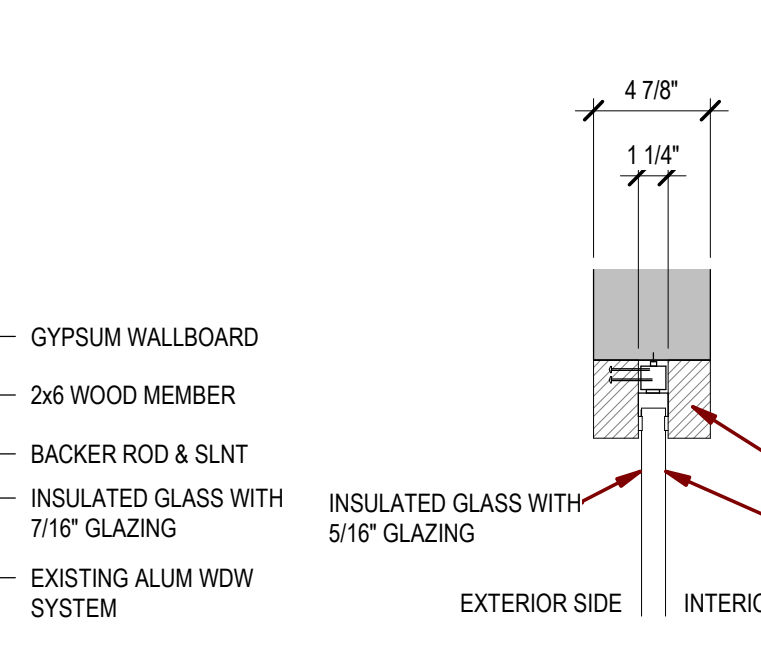
D5 DETAIL SECTION - CLSD OBSERVATION WDW SILL
1 1/2" = 1'-0"



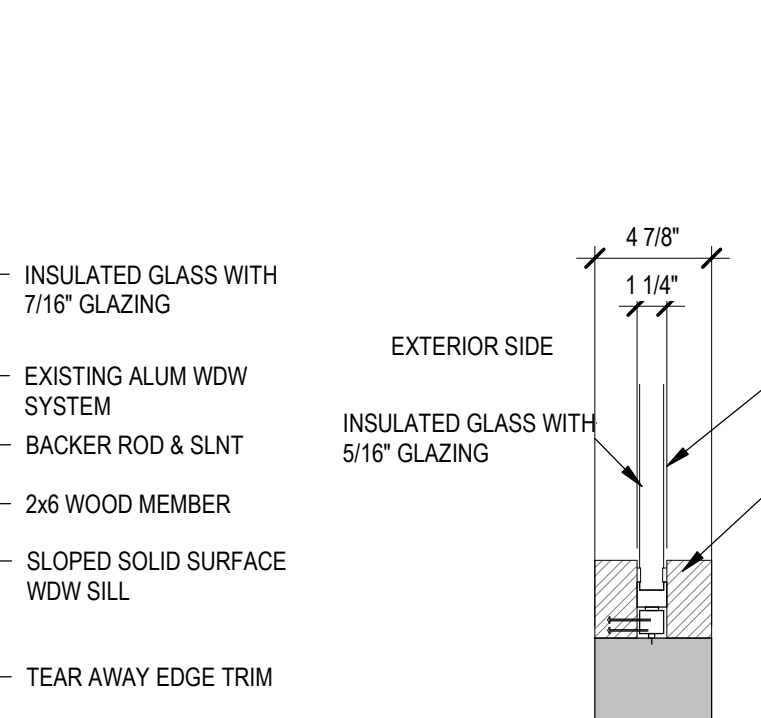
E5 PLAN DETAIL - CLOSED OBSERVATION WINDOW
1 1/2" = 1'-0"



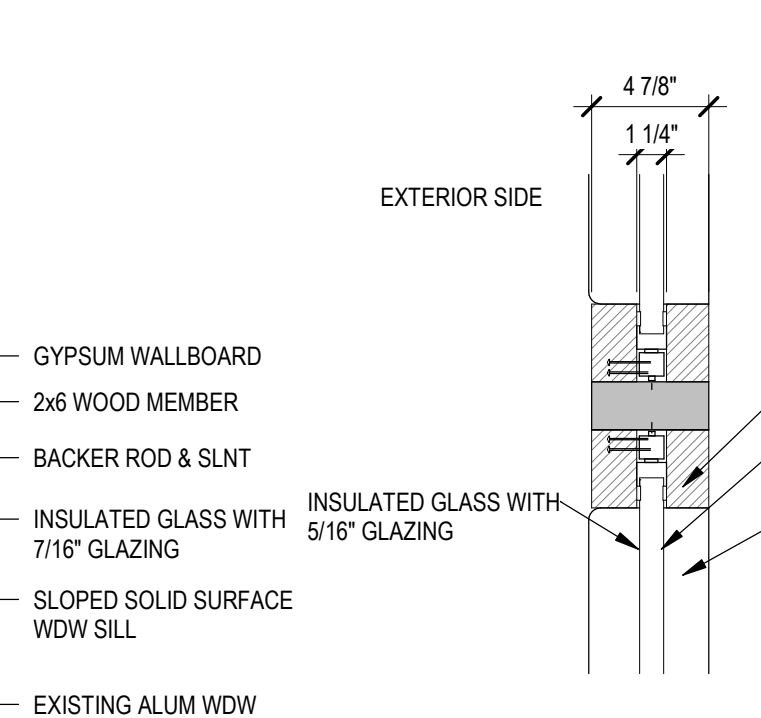
B6 WALL SECTION - DAY ROOM WINDOW
1/4" = 1'-0"



C6 DETAIL SECTION - DAY ROOM WDW REPLACEMENT
1 1/2" = 1'-0"



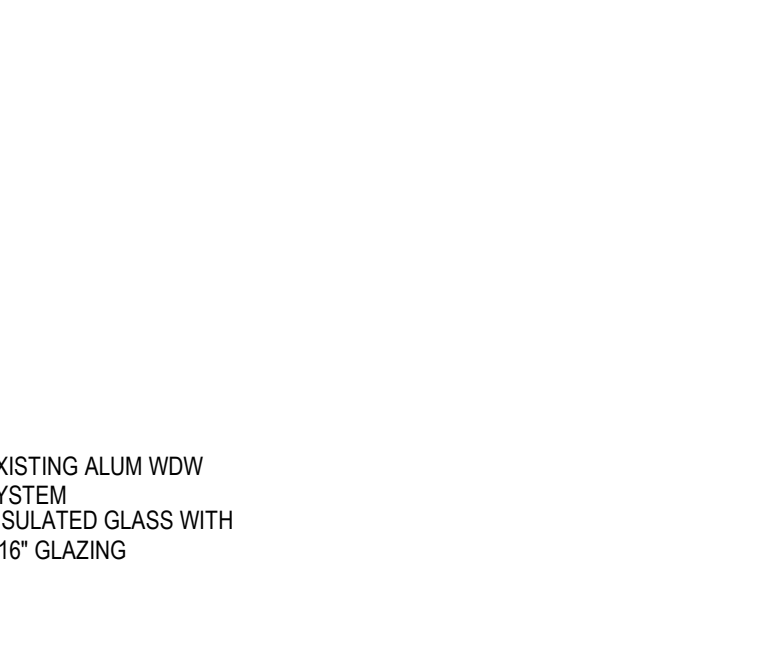
D6 DETAIL SECTION - DAY ROOM WDW SILL
1 1/2" = 1'-0"



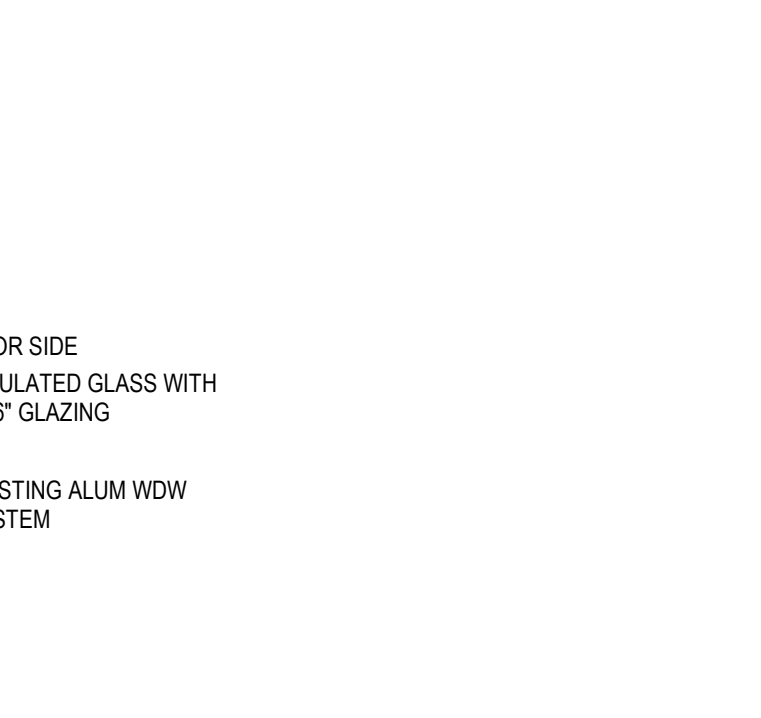
E6 PLAN DETAIL - DAY ROOM WINDOW
1 1/2" = 1'-0"



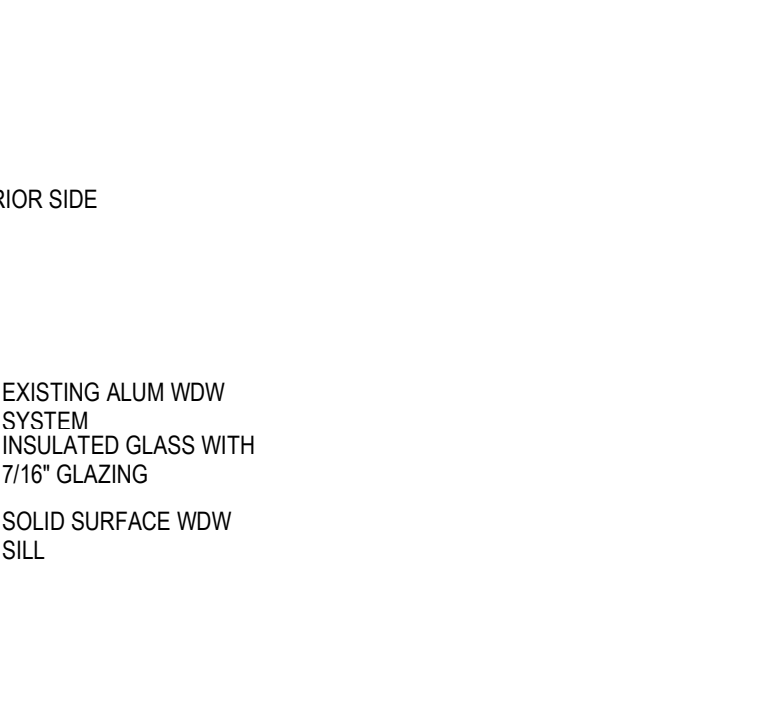
B7 WALL SECTION -NURSE PRACTITIONER'S OFFICE D104 WND
1/4" = 1'-0"



C7 DETAIL SECTION - NURSE PRACTITIONER'S OFFICE D104 WND SILL
1 1/2" = 1'-0"



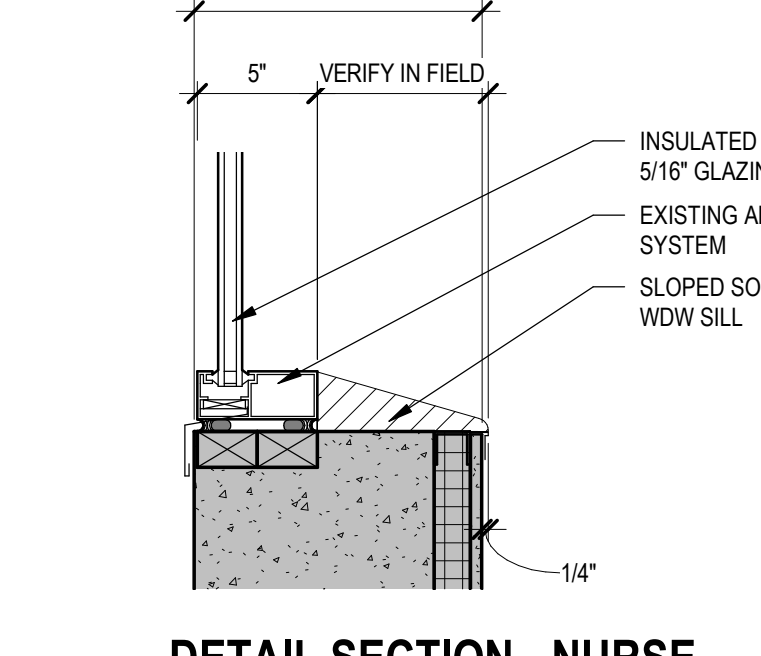
D8 PLAN DETAIL - NURSE PRACTITIONER'S OFFICE D104 WND
1 1/2" = 1'-0"



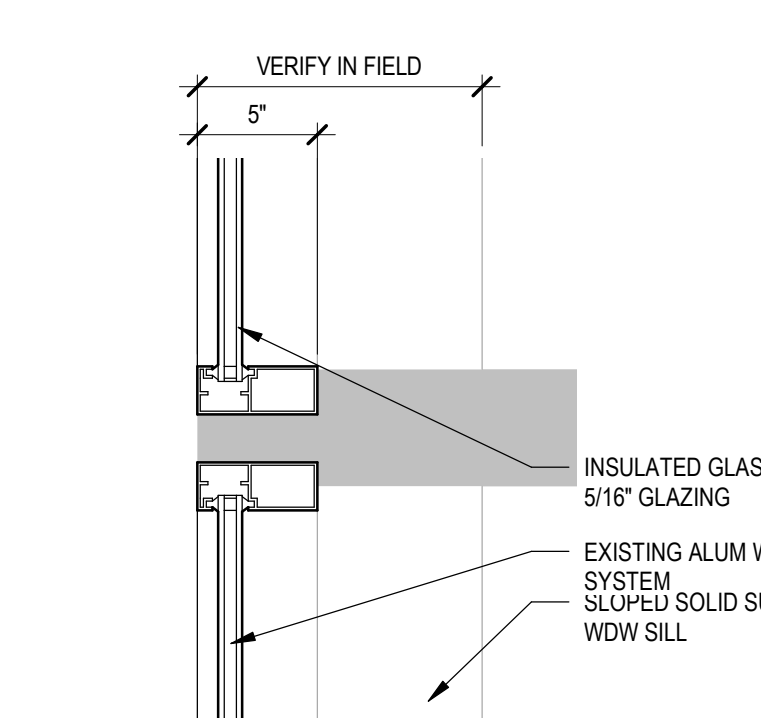
E6 PLAN DETAIL - DAY ROOM WINDOW
1 1/2" = 1'-0"



B7 WALL SECTION -NURSE PRACTITIONER'S OFFICE D104 WND
1/4" = 1'-0"



C7 DETAIL SECTION - NURSE PRACTITIONER'S OFFICE D104 WND SILL
1 1/2" = 1'-0"



D8 PLAN DETAIL - NURSE PRACTITIONER'S OFFICE D104 WND
1 1/2" = 1'-0"



E6 PLAN DETAIL - DAY ROOM WINDOW
1 1/2" = 1'-0"

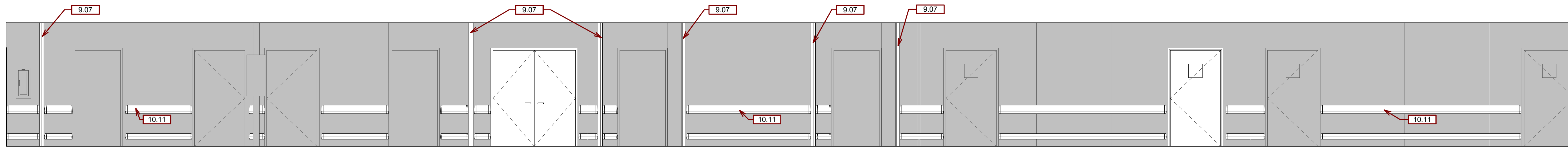


CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-340-7465		STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., 8C Rapid City, South Dakota 57702 Phone: 605-343-8609		ARCHITECT OF RECORD A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title WALL SECTIONS & DETAILS Approved:		Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED		Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD Location FORT MEADE, SOUTH DAKOTA Issue Date 08/05/22		Project Number VA #568-20-102 SGA #211937 Building Number 148 Drawing Number AE-302	
Revision#	Description	Date:													

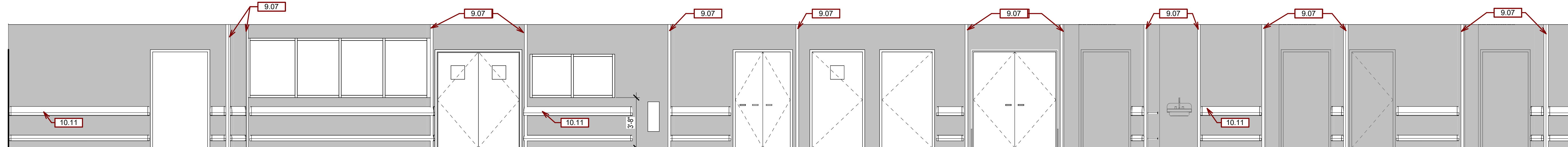
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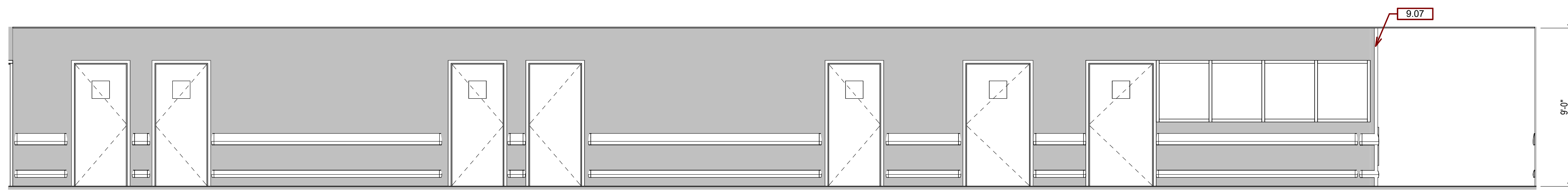
SGA KEYNOTES	
Key Value	Keynote Text
9.07	CORNER GUARD
10.11	NEW ANTI-LIGATURE HANDBAR AND CRASH RAIL THROUGHOUT CORRIDOR.
10.13	PRIVACY CURTAIN REPLACE IN ROOM
22.02A	SINGLE BASIN SINK



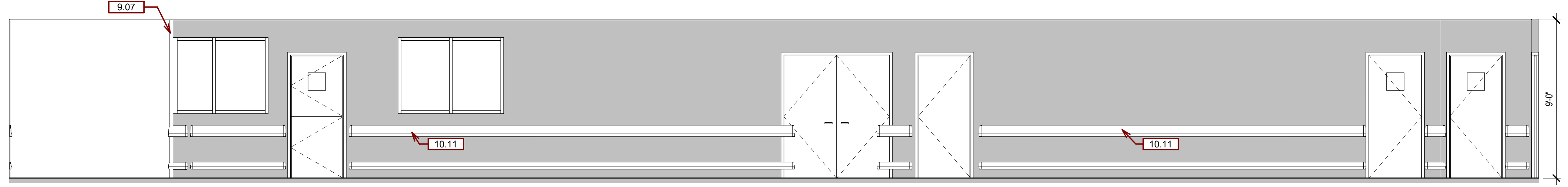
ELEVATION - NORTH CORRIDOR NORTH SIDE
1/4" = 1'-0"



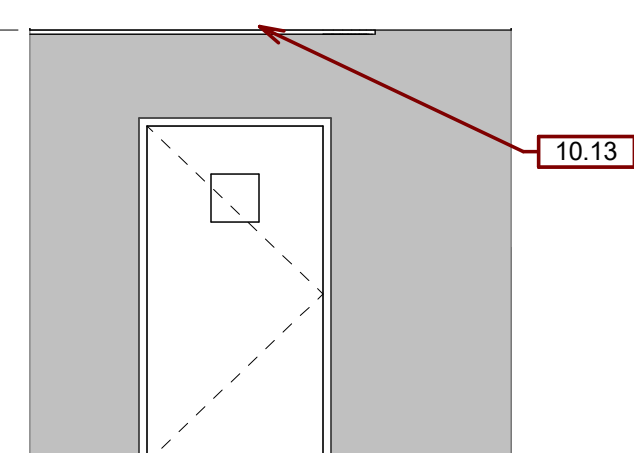
ELEVATION - NORTH CORRIDOR SOUTH SIDE
1/4" = 1'-0"



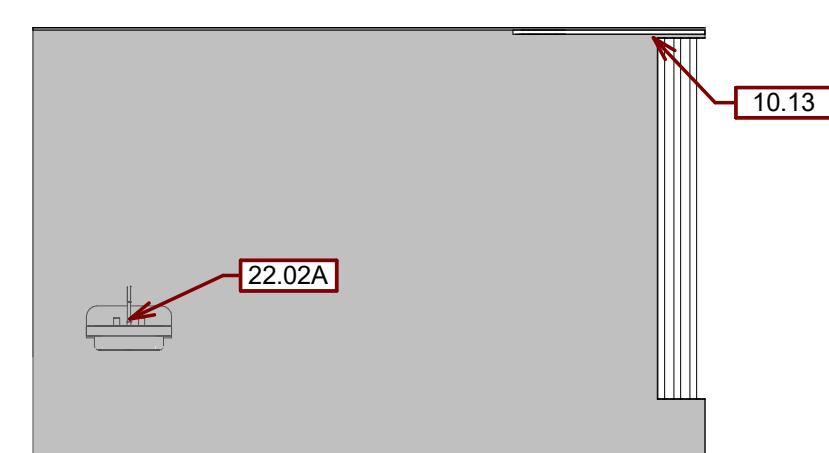
ELEVATION - MIDDLE CORRIDOR LEFT SIDE
1/4" = 1'-0"



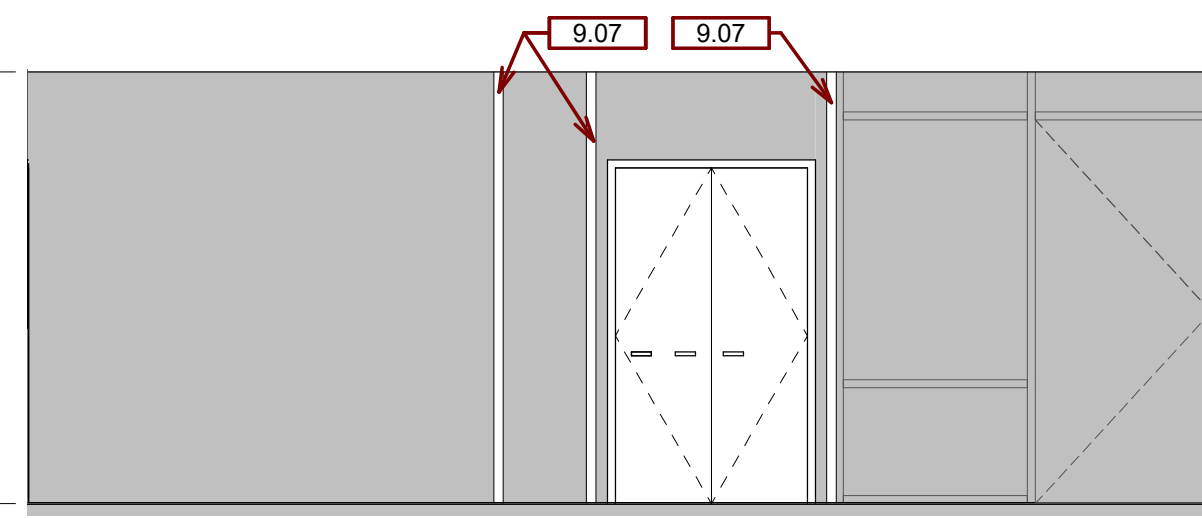
ELEVATION - MIDDLE CORRIDOR RIGHT SIDE
1/4" = 1'-0"



ELEVATION - EXAM ROOM DOOR AND PRIVACY CURTAIN
1/4" = 1'-0"



ELEVATION - EXAM ROOM SINK AND PRIVACY CURTAIN
1/4" = 1'-0"



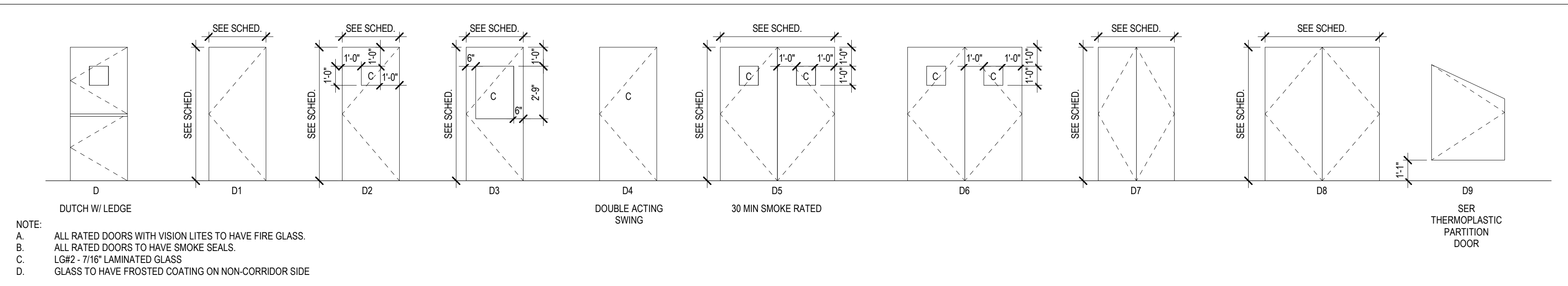
ELEVATION - DAY ROOM MEDIA CLOSET AND EXIT
1/4" = 1'-0"

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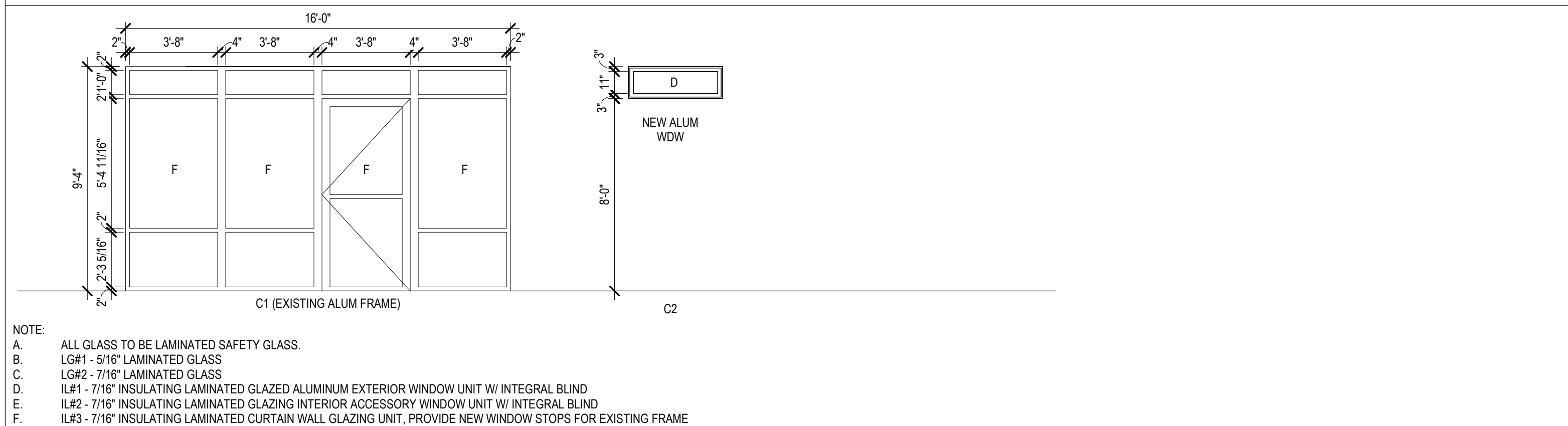
	<p>CONSULTANTS</p> <p>MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-340-7455</p> <p>STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-8600</p>	<p>ARCHITECT OF RECORD</p> <p>A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144</p>	<p>STAMP</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title INTERIOR ELEVATIONS</p> <p>Approved:</p>	<p>Phase CONSTRUCTION DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD</p> <p>Location FORT MEADE, SOUTH DAKOTA</p> <p>Issue Date 08/05/22</p> <p>Checked JHK</p> <p>Drawn RMV/DAN</p>	<p>Project Number VA #568-20-102 SGA #211937</p> <p>Building Number 148</p> <p>Drawing Number AE-450</p>
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DOOR SCHEDULE										
DOOR #	WIDTH	HEIGHT	TYPE	MATERIAL	FRAME	DEPTH	RATING	HDW	R	REMARKS
201	2'-6"	6'-0"	D1	HM	HM	6 1/8"	-	E1		
202	2'-6"	6'-0"	D1	HM	HM	6 1/8"	-	E1		
203	2'-6"	6'-0"	D1	HM	HM	6 1/8"	-	E1		
204	2'-6"	6'-0"	D1	HM	HM	6 1/8"	-	E1		
CC105B	5'-0"	7'-0"	D2	HM	HM	4 7/8"	-	MH3		
CC105A	6'-0"	7'-0"	D5	HM	HM	4 7/8"	-	MH4		
CC105B	6'-0"	7'-0"	D6	HM	HM	4 7/8"	-	MH4		
CC105C	6'-0"	7'-0"	D6	HM	HM	4 7/8"	-	MH4		
D100	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3G		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D101	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D102	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D103A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D104	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3G		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D105	3'-0"	7'-0"	D4	WD	HM	4 7/8"	-	MH5		SPECIAL FRAME, BEHAVIORAL HEALTH DOUBLE ACTING HINGE NEW LIGATURE ALARM
D106	3'-0"	7'-0"	D1	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL AND GLAZING, RETAIN FRAME, REUSE EXISTING HARDWARE
D107	3'-0"	7'-0"	D3	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D108	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	3B		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE
D109	3'-0"	7'-0"	D	WD	HM	4 7/8"	-	MH5		DUTCH DOOR, PEEP HOLE SIGHT, ELEC LATCH TO EXISTING REMOTE RELEASE BUTTON OMIT LIGATURE ALARM
D110A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	MH1		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D110B	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	MH1		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D110C	3'-0"	7'-0"	D1	WD	HM	4 7/8"	-	MH1		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D110D	4'-0"	7'-0"	D7	WD	HM	4 7/8"	-	MH8A		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D111	4'-0"	7'-0"	D7	WD	HM	4 7/8"	-	MH8A		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D112	3'-0"	7'-0"	D1	WD	HM	4 7/8"	-	MH1		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D113	6'-0"	7'-0"	D8	HM	HM	4 7/8"	-	MH8A		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D123	6'-0"	7'-0"	D8	HM	HM	4 7/8"	-	MH8A		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D125A	3'-0"	5'-0"	D9	WD	-	4 7/8"	-			SENTINEL EVENT REDUCTION PARTITION DOORS
D125B	3'-0"	5'-0"	D9	WD	-	4 7/8"	-			SENTINEL EVENT REDUCTION PARTITION DOORS
D125C	3'-0"	5'-0"	D9	WD	-	4 7/8"	-			SENTINEL EVENT REDUCTION PARTITION DOORS
D125D	3'-0"	5'-0"	D9	WD	-	4 7/8"	-			SENTINEL EVENT REDUCTION PARTITION DOORS
D126	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D126A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D127	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	MH1B		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D127A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-	MH1C		REPLACE DOOR PANEL AND FRAME, REUSE EXISTING HARDWARE, REUSE LIGATURE ALARM
D128	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D128A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D129	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D129A	3'-0"	7'-0"	D2	WD	HM	4 7/8"	-			REPLACE GLAZING ONLY
D130	3'-0"	7'-0"	D1	WD	HM	4 7/8"	-	4F		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
D131	4'-0"	7'-0"	D2	WD	HM	4 7/8"	-	MH4		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE, ADD CARD READER
D151	3'-0"	7'-0"	D1	WD	HM	4 7/8"	-	MH4		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
DECT	6'-0"	7'-0"	D7	HM	HM	4 7/8"	-	MH8A		REPLACE DOOR PANEL, RETAIN FRAME, REUSE EXISTING HARDWARE
TEMP 2	6'-0"	7'-0"	D1	HM	HM	5 3/4"	-	3B		TEMPORARY CONSTRUCTION BARRIER DOOR

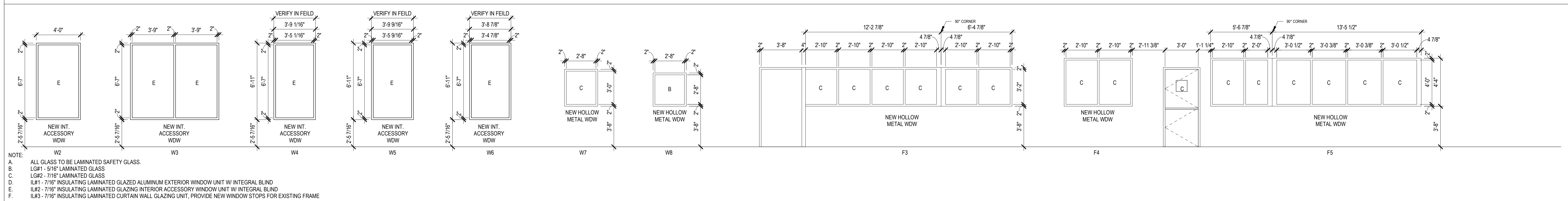
DOOR TYPES



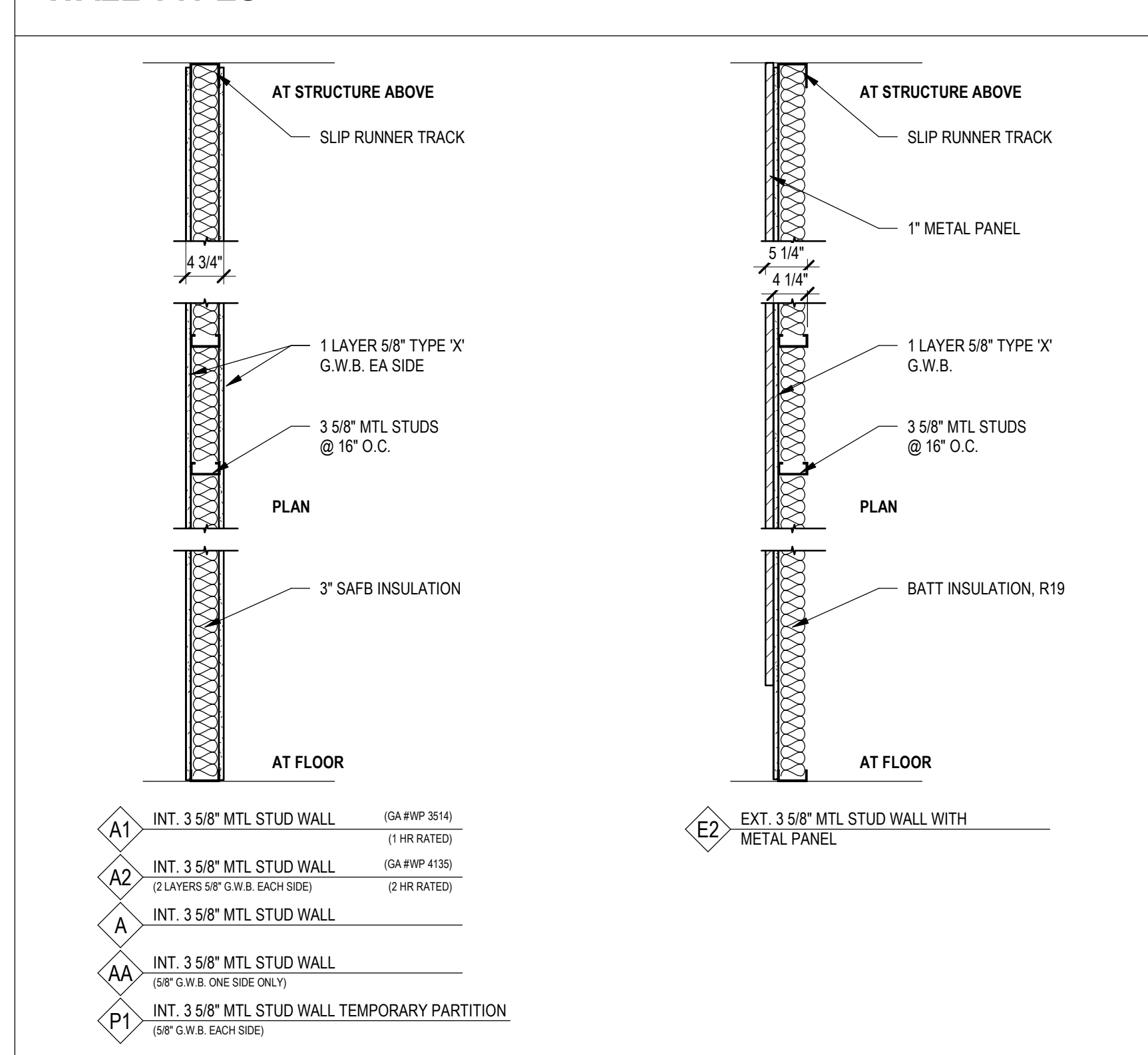
EXTERIOR ALUMINUM WINDOW AND GLAZING TYPES



INTERIOR WINDOWS AND GLAZING TYPES



WALL TYPES



Revision#	Description	Date:

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A/E:
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STAMP
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title
SCHEDULES
Approved:
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Phase
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD
Location
FORT MEADE, SOUTH DAKOTA
Issue Date
08/05/22
Checked
JHK
Drawn
RMV/DAN

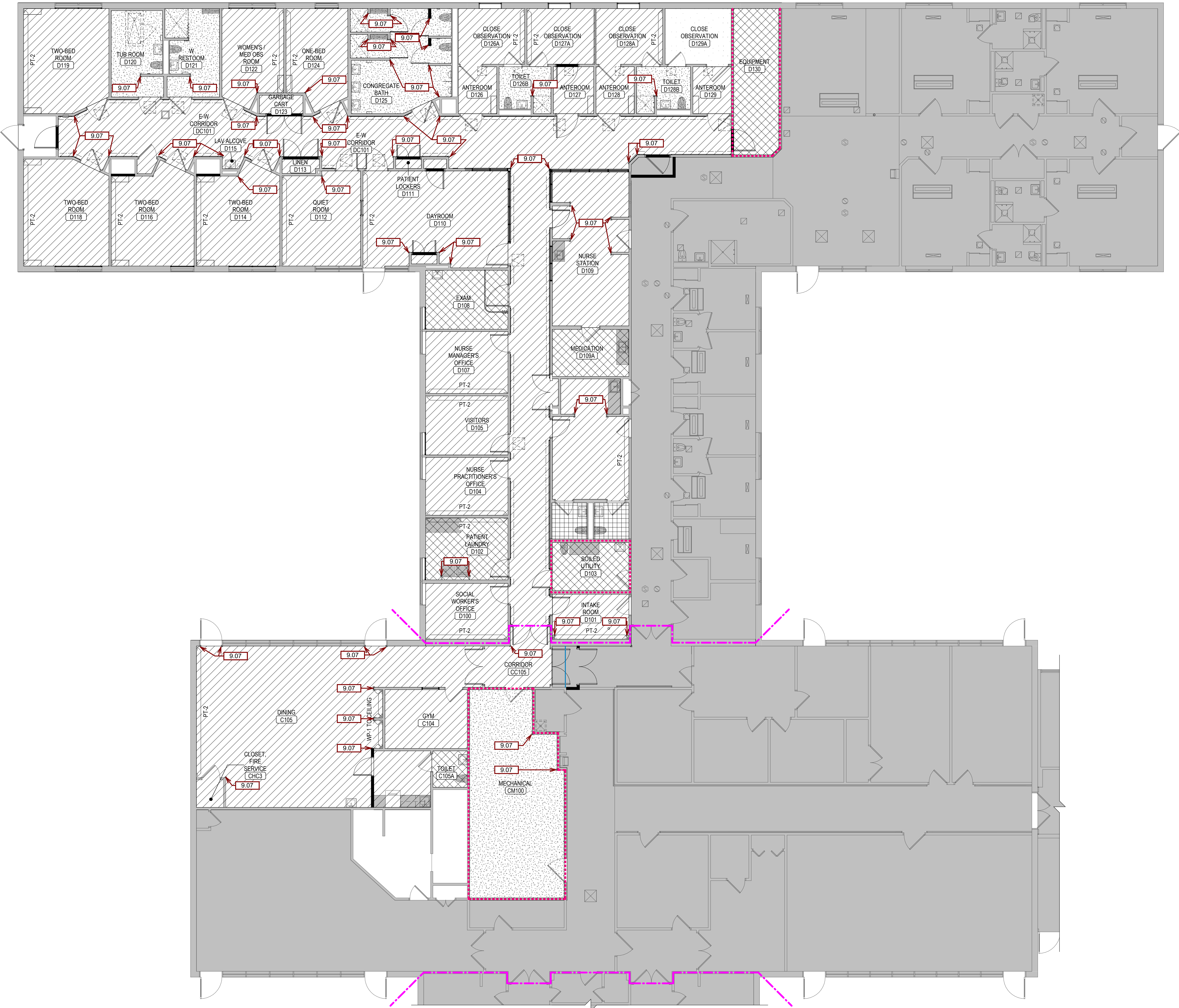
Project Number
VA #568-20-102 SGA #211937
Building Number
148
Drawing Number
AE-601

GENERAL FLOOR FINISH NOTES:

- A. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR PLAN, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- B. SOME SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ORDERS IN A MANNER TO ENSURE THEIR TIMELY ARRIVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPENSES, INCLUDING DESIGN FEES RELATED TO ANY RESELECTIONS REQUIRED DUE TO FAILURE TO ORDER PRODUCTS IN A TIMELY MANNER.
- C. ALL FINISH WORK SHALL BE PERFORMED IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS. SHORT DRAWINGS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW PRIOR TO BEGINNING WORK.
- D. WOOD DOORS, FRAME BASE MOLDINGS TO BE FILLED, STAINED, SEALED AND SHOP FINISHED TO MATCH ARCHITECT'S SAMPLE. WORK SHOULD BE PERFORMED IN A DUST FREE ENVIRONMENT.
- E. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED PT-3 (UON)
- F. EXTEND ALL FLOORING UNDER FURNITURE, DESKS, COUNTERTOPS AND ETC. (UON)
- G. PROVIDE TRANSITION STRIPS AT ALL LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIALS. REFER TO TYPICAL TRANSITION STRIP DETAILS FOR APPROVED TRANSITION STRIPS. ALL TRANSITIONS TO BE CENTERED UNDER DOORS IN A CLOSED POSITION. (UON) CONTRACTOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE SIZES OF TRANSITION STRIPS BASED ON MATERIAL TYPES.
- H. ALL SCHLUTER TRANSITION STRIPS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- I. ALL VINYL TRANSITION STRIP COLORS TO MATCH ADJACENT FLOORING. SUBMIT SAMPLE FOR APPROVAL.
- J. VERIFY GROUT AND MORTAR THICKNESS PER MANUFACTURER'S RECOMMENDATIONS.
- K. FLOOR FINISH LEGEND HATCHES INDICATE FLOORING TYPES, NOT ACTUAL FLOORING PATTERN AND LAYOUT. (UON)
- L. FOR FLOOR PATTERN INSTALL DIRECTION REFER TO THE INSTALLATION SYMBOL.
- M. PROVIDE UNDER COUNTER HORIZONTAL METAL SUPPORTS FOR TROUGH LAVATORIES.
- N. CORNER GUARDS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- O. IF EXISTING CORNER GUARDS ARE DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW CORNER GUARDS.
- P. VERIFY ALL CORNER GUARD HEIGHTS. INSTALL CORNER GUARDS AT ALL EXPOSED OUTSIDE CORNERS OF CYPRESS ISLANDS (UON)
- Q. METAL L-BRACKETS TO BE PAINTED TO MATCH WALL COLOR.

NOTES

1. JOINTS IN FLOORING TILE SHOULD MATCH UP WITH JOINTS IN CONC. SLABS AND ADDITIONAL JOINTS TO BE CUT IF NECESSARY. VERIFY WITH ARCHITECT.
2. CORNER GUARDS AT ALL OUTSIDE CORNERS IN PUBLIC SPACES. TYP. SEE COLOR & MATERIAL SCHEDULE.
3. SEE FLOOR COVERING PLANS FOR FLOOR PATTERNS.
4. ALL INTERIOR G.W. WALLS AND CEILING SHALL RECEIVE LEVEL 3 FINISH WITH LIGHT ORANGE PEEL TEXTURE U.N.O.
5. FLOOR MATERIAL TRANSITIONS SHALL OCCUR @ CENTER OF DOOR, TYP.
6. SEE INTERIOR SIGNAGE DETAIL FOR SIGNAGE LOCATION.



ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	ID FINISH REMARKS
201	MECH PENTHOUSE								
C104	GYM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		
C105	DINING	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
C105A	TOILET	WSF	RB-1	PT-E	PT-E	PT-E	PT-E		
C105B	PATIENT KITCHENETTE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
CM100	CLOSET, FIRE SERVICE	LVT-1	RB-1						
CM100	MECHANICAL	EPOXY							
D100	SOCIAL WORKERS OFFICE	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1		NO THRESHOLDS
D101	INTAKE ROOM	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1		NO THRESHOLDS
D102	PATIENT LAUNDRY	WSF	RB-1	PT-1	PT-1	PT-1	PT-2		
D103	SOLED UTILITY	WSF	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D104	NURSE PRACTITIONER'S OFFICE	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1		NO THRESHOLDS
D105	VISITORS	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-2		NO THRESHOLDS
D106	REPORT / CONFERENCE ROOM	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1		
D106A	TOILET, F. STAFF	PRT-1	PRT-2	PRT-2PT-E	PRT-2PT-E	PRT-2PT-E	PRT-2PT-E		4 WAINSCOT, PT-1 ACCENT
D106B	TOILET, F. STAFF	PRT-1	PRT-2PT-E	PRT-2PT-E	PRT-2PT-E	PRT-2PT-E	PRT-2PT-E		4 WAINSCOT, PT-1 ACCENT
D107	NURSE MANAGER'S OFFICE	LVT-1	RB-1	PT-1	PT-2	PT-1	PT-1		NO THRESHOLDS
D108	EXAM	WSF	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D109	NURSE STATION	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D109A	MEDICATION	WSF	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D110	DAYROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D110A	RECREATION SUPPLIES	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D110B	MEDIA CLOSET	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D111	PATIENT LOCKERS	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D112	QUIET ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D113	LINEN	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D114	TWO-BED ROOM	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D115	LAV ALCOVE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D116	TWO-BED ROOM	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D117	STORAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D118	TWO-BED ROOM	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D119	TWO-BED ROOM	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D120	TUB ROOM	EPOXY	EPOXY	PT-E	PT-E	PT-E	PT-E		
D122	WOMEN'S / MED OBS ROOM	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1		NO THRESHOLDS
D123	GARIBAGE CHART	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D124	ONE-BED ROOM	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D125	CONGREGATE BATH	EPOXY	EPOXY	PT-E	PT-E	PT-E	PT-E		
D126	ANTEROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D126A	CLOSE OBSERVATION	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1		NO THRESHOLDS
D126B	TOILET	EPOXY	EPOXY	PT-E	PT-E	PT-E	PT-E		
D127	ANTEROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D127A	CLOSE OBSERVATION	LVT-1	RB-1	PT-1	PT-1	PT-2	PT-1		NO THRESHOLDS
D128	ANTEROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D128A	CLOSE OBSERVATION	LVT-1	RB-1	PT-2	PT-1	PT-1	PT-1		NO THRESHOLDS
D128B	TOILET	EPOXY	EPOXY	PT-E	PT-E	PT-E	PT-E		
D129	ANTEROOM	LVT	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
D129A	CLOSE OBSERVATION	RUBBER							REPAIR AND EXTEND RUBBER AS INDICATED ON PLAN
D130	EQUIPMENT	WSF	RB-1	PT-1	PT-1	PT-1	PT-1		
DC100	N/S CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
DC101	E-W CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
DC101A	VESTIBULE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS
DC1	CLOSET, ELECTRICAL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1		NO THRESHOLDS

FINISH PLAN LEGEND					
WSF	EPX	RUB	PT	LVT	

COLOR AND MATERIAL SCHEDULE									
ABBR CODE	Material	Manufacturer	Style Name	Number	Color Name	Size	Installation Notes	Location	
06 5100 - SIMULATED STONE FABRICATIONS									
SS-1	Solid Surface	Corian			Antarctica				
09 3000 - TILING									
PRT-1	Porcelain Tile	DaI-Tile	Volume 1.0	VL77	Aural Sand	12x12, 6x6			
PRT-2	Porcelain Tile	DaI-Tile	Volume 1.0	VL78	Accent Brown	12x12, 6x6	Edging - Schluter Systems		
FLOORING									
EPX	Epoxy	Tennant	KC Flake		Pumice				
LVT	Luxury Vinyl Tile	Mannington	Antico-Wood	AROM7910	Brushed Oak		No thresholds		
WSF	Waxed Seem Sheet Flooring	Mannington	Bedrock	15369	Bedrock				
PAINT									
PT-1	Paint	Sherwin Williams	SW6106		Kim Beige				
PT-2	Paint	Diamond Vogel	0441		Slate Stone				
PT-3	Paint	Sherwin Williams	SW1041		Lava				Door Frames
PT-4	Paint	Cloverdale	9459		Traveline Trail				Ceilings
PT-E	Paint/Epoxy	Sherwin Williams	SW6106		Kim Beige				Bathrooms
WALL PROTECTION									
CG-1	Corner Guard	INPRO	0114		Haze				Corners as noted on the plans.
CG-2	Corner Guard	INPRO	0256		Castle				Only corner guards in dining.
HR-1	Hand Rail	INPRO	0256		Castle				Hallways
RB-1	Rubber Base	Tarkett	32		Pebble				
WG-1	Hand Rail	INPRO	0256		Castle				Hallways
WP-1	Wall Protection	INPRO	0256		Castle				Hallways

G2 1ST LEVEL FINISH PLAN
1/8" = 1'-0"

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Sioux Falls, SD 57103
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STONE GROUP ARCHITECTS

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL FINISH PLAN

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

Location
FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
VA #568-20-102 SGA #211937

Building Number
148

Drawing Number
AE-801

GENERAL FLOOR FINISH NOTES:

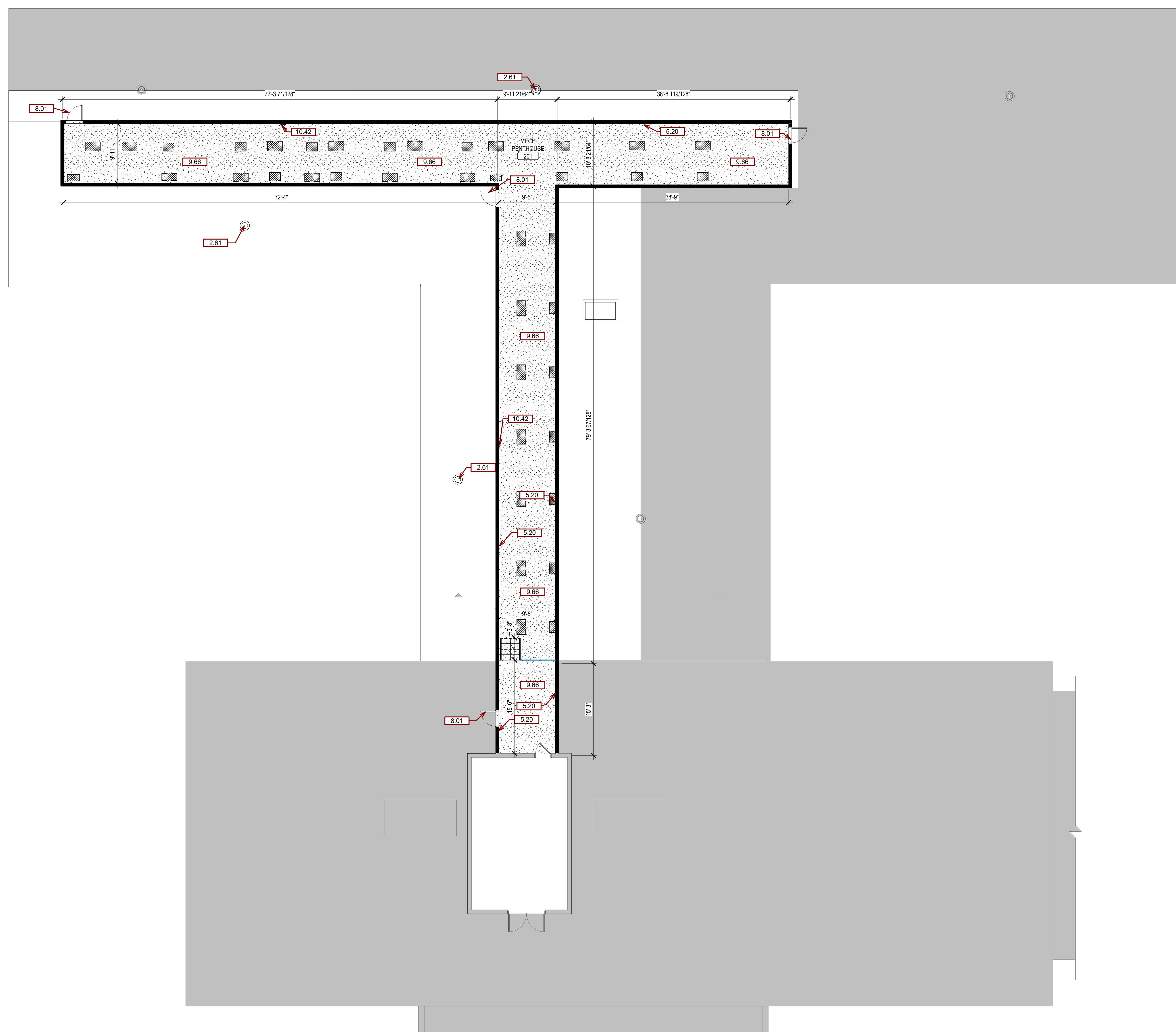
- A. FINISH SCHEDULES DENOTE FINISHES THROUGHOUT THE PROJECT. FOR LOCATIONS REFER TO THE FINISH FLOOR PLAN, ROOM FINISH SCHEDULES, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- B. SOME SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ORDERS IN A MANNER TO ENSURE THEIR TIMELY ARRIVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPENSES, INCLUDING DESIGN FEES RELATED TO ANY RESELECTIONS REQUIRED DUE TO FAILURE TO ORDER PRODUCTS IN A TIMELY MANNER.
- C. ALL FINISH WORK SHALL BE PERFORMED IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS. SHOP DRAWINGS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW PRIOR TO BEGINNING WORK.
- D. WOOD DOORS, FRAME BASE MOLDINGS TO BE FILLED, STAINED, SEALED AND SHOP FINISHED TO MATCH ARCHITECT'S SAMPLE. WORK SHOULD BE PERFORMED IN A DUST FREE ENVIRONMENT.
- E. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED PT.3 (UON)
- F. EXTEND ALL FLOORING UNDER FURNITURE, DESKS, COUNTERTOPS, ETC.
- G. PROVIDE TRANSITION STRIPS AT ALL LOCATIONS THAT HAVE A CHANGE IN FLOORING MATERIALS. REFER TO TYPICAL TRANSITION STRIP DETAILS FOR APPROVED TRANSITION STRIPS. ALL TRANSITIONS TO BE CENTERED UNDER DOORS IN A CLOSED POSITION. (UON). CONTRACTOR IS RESPONSIBLE FOR VERIFYING APPROPRIATE SIZES OF TRANSITION STRIPS BASED ON MATERIAL TYPES.
- H. ALL SCHLUTER TRANSITION STRIPS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- I. ALL VINYL TRANSITION STRIP COLORS TO MATCH ADJACENT FLOORING. SUBMIT SAMPLE FOR APPROVAL.
- J. VERIFY GROUT AND MORTAR THICKNESS PER MANUFACTURER'S RECOMMENDATIONS.
- K. FLOOR FINISH LEGEND HATCHES INDICATE FLOORING TYPES, NOT ACTUAL FLOORING PATTERN AND LAYOUT. (UON)
- L. FOR FLOOR PATTERN INSTALL DIRECTION REFER TO THE INSTALLATION SYMBOL.
- M. PROVIDE UNDER COUNTER HORIZONTAL METAL SUPPORTS FOR TROUGH LAVATORIES, CORNER GUARDS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- N. CORNER GUARDS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- O. IF EXISTING CORNER GUARDS ARE DAMAGED DURING CONSTRUCTION, REPLACE WITH NEW CORNER GUARDS.
- P. VERIFY ALL CORNER GUARD HEIGHTS. INSTALL CORNER GUARDS AT ALL EXPOSED OUTSIDE CORNERS OF GYPSUM BOARD WALLS. (UON)
- Q. METAL L-BRACKETS TO BE PAINTED TO MATCH WALL COLOR.

NOTES

1. JOINTS IN FLOORING TILE SHOULD MATCH UP WITH JOINTS IN CONC. SLABS AND ADDITIONAL JOINTS TO BE CUT IF NECESSARY. VERIFY WITH ARCHITECT.
2. CORNER GUARDS AT ALL OUTSIDE CORNERS IN PUBLIC SPACES. (SEE COLORS & MATERIAL SCHEDULE)
3. SEE FLOOR COVERING PLANS FOR FLOOR PATTERNS.
4. ALL INTERIOR G.W.B. WALLS AND CEILINGS SHALL RECEIVE LEVEL 3 FINISH WITH LIGHT ORANGE PEEL TEXTURE U.N.O.
5. FLOOR MATERIAL TRANSITIONS SHALL OCCUR @ CENTER OF DOOR, TYP.
6. SEE INTERIOR SIGNAGE DETAIL FOR SIGNAGE LOCATION.

SGA KEYNOTES	
Key Value	Keynote Text
2.61	REMOVE EXISTING ROOF DRAIN AND REPLACE WITH NEW DRAIN IN SAME LOCATION.
5.20	METAL PANEL MATCH EXISTING BUILDING COLOR
8.01	DOOR - SEE SCHED.
9.66	1/8" EPOXY FLOORING WITH 1" COVERED BASE
10.42	WALL MOUNTED FIRE EXTINGUISHER

FINISH PLAN LEGEND	
	WSP
	EPX
	RUB
	PT
	LVT



G2 2ND LEVEL FINISH PLAN
1/8" = 1'-0"

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Revision#	Description	Date:

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
2ND LEVEL FINSH PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/22

Checked
JHK

Drawn
RMV/DAN

Project Number
**VA #568-20-102
SGA #211937**

Building Number
148

Drawing Number
AE-802

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one eighth inch = one foot

MECHANICAL SYMBOLS

—CW— COLD WATER PIPE	—HW— HOT WATER PIPE	—RHW— CIRCULATING HOT WATER PIPE
—CWC— UNDERGROUND COLD WATER PIPE	—HWC— UNDERGROUND HOT WATER PIPE	—RHC— UNDERGROUND CIRCULATING HOT WATER PIPE
—SAN— UNDERFLOOR WASTE PIPE	—SAN— ABOVE FLOOR WASTE PIPE	—V— VENT PIPE
—ST— UNDERFLOOR STORM PIPE	—AV— ABOVE FLOOR STORM PIPE	—AV— ABOVE FLOOR STORM PIPE
—OST— UNDERFLOOR OVERFLOW STORM PIPE	—OST— ABOVE FLOOR OVERFLOW STORM PIPE	—SRHW— SOFT CIRCULATING HOT WATER PIPE
—PD— PUMP DISCHARGE	—PD— PUMP DISCHARGE	—CAO— COMPRESSED AIR OUTLET
—AW— UNDERFLOOR ACID WASTE PIPE	—AW— ABOVE FLOOR ACID WASTE PIPE	—LPS— LOW PRESSURE STEAM
—S— COLD SOFT WATER PIPE	—SHW— SOFT HOT WATER PIPE	—LPR— LOW PRESSURE RETURN
—CA— COMPRESSED AIR PIPE	—LS— LAWN SPRINKLER PIPE	—HG— HOT GAS
—HPS— HIGH PRESSURE STEAM	—MPS— MEDIUM PRESSURE STEAM	—GE— GAS EVACUATION PIPE
—HPR— HIGH PRESSURE RETURN	—MPR— MEDIUM PRESSURE RETURN	—A— CLINICAL AND LAB AIR PIPE
—PC— PUMPED CONDENSATE PIPE		—FD— FIRE DEPT. HOSE VALVE
—HWS— HOT WATER HEATING SUPPLY	—HWR— HOT WATER HEATING RETURN	—RSH— RECESSED SPRINKLER HEAD
—CWS— CHILLED WATER SUPPLY PIPE	—CWR— CHILLED WATER RETURN PIPE	—FA— FLOW ALARM
—RL— REFRIGERANT LIQUID PIPE	—RS— REFRIGERANT SUCTION PIPE	—PT— PRESSURE/TEMPERATURE TAP
—O— OXYGEN PIPE	—VAC— CLINICAL AND LAB VACUUM	—PG— PRESSURE GAUGE
—NO— NITROGEN PIPE	—N— NITROGEN PIPE	—PS— STATIC PRESSURE SENSOR
—D— EQUIPMENT DRAIN	—DS— DOWN SPOUT	—T— THERMOMETER
—F— FIRE SPRINKLER PIPE	—SP— STAND PIPE	—S— STRAINER
—P— PENDANT TYPE SPRINKLER HEAD	—U— UPRIGHT SPRINKLER HEAD	—ST— STEAM TRAP
—C— CONCEALED SPRINKLER HEAD	—PI— POST INDICATOR VALVE	—BFP— BACK FLOW PREVENTER
—C— PIPE CONNECTION	—AV— AIR VENT	—FCV— FLOW CONTROL VALVE
—E— ELBOW DOWN	—FM— FLOW MEASURING DEVICE	—S— STRAINER VALVE
—U— ELBOW UP	—EJ— EXPANSION JOINT, PIPE GUIDE	—PSD— PRESSURE SENSOR DIFFERENTIAL
—T— TEE DOWN	—C— CAPPED OUTLET	—T— THERMOSTAT
—P— PIPE PITCH DOWN	—S— SHUT OFF VALVE	—FS— FLOW SWITCH
—D— DIRECTION OF FLOW	—B— BALANCING VALVE	—H— DEMOLITION HATCHING
—A— PIPE ANCHOR	—C— CONTROL VALVE	
—R— REDUCER OR INCREASER	—3— 3-WAY CONTROL VALVE	
—U— UNION	—P— PRESSURE REDUCING VALVE	
—F— FLEXIBLE PIPE CONNECTION	—P— PRESSURE RELIEF VALVE	
—W— WALL HYDRANT	—D— DOMESTIC WATER TEMPERING VALVE	
—H— HOSE BIB	—C— CHECK VALVE	
—C— CLEAN OUT ABOVE FLOOR	—C— CURB STOP	
—W— WALL CLEAN OUT	—R— ROOF DRAIN	
—C— CLEAN OUT IN FLOOR	—O— OVERFLOW ROOF DRAIN	
—F— FLOOR DRAIN	—C— CONNECT TO EXIST. SERVICE	
—S— FLOOR SINK		

VENTILATION SYMBOLS

—S— SUPPLY DUCT (UP & DOWN)	—M— MANUAL VOLUME DAMPER
—R— RETURN DUCT (UP & DOWN)	—B— BRANCH DUCT INTO SIDE OF MAIN DUCT
—E— EXHAUST DUCT (UP & DOWN)	—D— DUCT RISE OR DROP IN DIRECTION OF AIR FLOW
—W— STANDARD RADIUS ELBOW R EQUAL W (MINIMUM)	—D— DUCT DIMENSION - WIDTH x DEPTH
—T— DUCT TURN WITH TURN VANES	—D— DUCT TURN AND AIR SPLIT TYPE TAKEOFF (NON-ADJUSTABLE)
—F— FLEXIBLE DUCT CONNECTION	—G— GRILLE, REGISTER & DIFFUSER DESIGNATION SUPPLY, RETURN, EXHAUST, & TRANSFER
—S— SPIRAL DUCTWORK	—E— EQUIPMENT DESIGNATION
—L— LOW PRESSURE DUCTWORK MAX 2" W.G. PRESSURE	—F— FLEX DUCT (5" MAXIMUM)
—M— MEDIUM PRESSURE DUCTWORK 2" - 4" W.G. PRESSURE	
—F— FIRE DAMPER	
—M— MOTORIZED DAMPER	
—S— SMOKE DAMPER	
—B— BACKDRAFT DAMPER	
—C— COMBINATION FIRE SMOKE DAMPER	

MECHANICAL ABBREVIATIONS		MECHANICAL ABBREVIATIONS		MECHANICAL ABBREVIATIONS	
A	AIR OR COMPRESSED AIR	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
A/C	AIR OR COMPRESSED AIR	FLA	FULL LOAD AMPS	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
AC	AIR CONDITIONING	FLEX	FLEXIBLE	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
AC	AIR CONDITIONING OR ALTERNATING CURRENT	FLR	FLOOR	PSIG	POUNDS PER SQUARE INCH GAUGE
AC	AIR CONDITIONING OR ALTERNATING CURRENT	FM	FLOW METER	PVC	POLYVINYL CHLORIDE
AF	AIR FOUL	FO	FUEL OIL	QTY	QUANTITY
AF	AIR FOUL	FR	FEET PER MINUTE	R	RADIUS
AF	AIR FOUL	FPS	FEET PER SECOND	RA	RETURN AIR
AF	ABOVE FINISHED FLOOR	FRP	FIBERGLASS REINFORCED PLASTIC	RAT	RETURN AIR TEMPERATURE
AF	ABOVE FINISHED GRADE	FS	FLOW SWITCH	RD	ROOF DRAIN
AHU	AIR HANDLING UNIT	FT	FOOT, FEET	RECO	RECOVERY
AL	ALUMINUM	FT	FINNED TUBE RADIATION	V	
AMB	AMBIENT	FV	FLUSH VALVE	RED	REDUCER
AMP	AMPERE	G	GAS	REF	REFERENCE
AP	ACCESS PANEL	GA	GAUGE	REQ	REQUIRED
APD	AIR PRESSURE DROP	GAL	GALLONS	RH	RELATIVE HUMIDITY
AS	AIR SEPARATOR	GALV	GALVANIZED	RL	REFRIGERANT LIQUID
ATM	ATMOSPHERE	GF	GLYCOL FEED UNIT	RL	RUNNING LOAD AMPS
AUTO	AUTOMATIC	GND	GROUND	RLA	RATED LOAD AMPERES
AUX	AUXILIARY	GPD	GALLONS PER DAY	RM	ROOM
AVG	AVERAGE	GPH	GALLONS PER HOUR	RPM	REVOLUTIONS PER MINUTE
BBD	BOILER BLOWDOWN	GPM	GALLONS PER MINUTE	RS	REFRIGERANT SUCTION
BDD	BACKDRAFT DAMPER	GPS	GALLONS PER SECOND	RTN	RETURN
BF	BOILER FEED	H2O	WATER	RTU	ROOF TOP UNIT
BHP	BOILER HORSEPOWER, BRAKE HORSEPOWER	HB	HOSE BIBB	RV	RELIEF VALVE
BI	BACKWARDS INCLINED	HD	HEAD	S	SWITCH
BTU	BRITISH THERMAL UNIT	HG	MERCURY	SA	SUPPLY AIR
BTUH	BTU PER HOUR	HGT	HEIGHT	SA	SHOCK ABSORBER, SUPPLY AIR
BU	BUTTERFLY VALVE	HORIZ	HORIZONTAL	SCH	SCHEDULE
C	CONDENSATE LINE	HP	HORSEPOWER	SCR	SILICON CONTROLLED RECTIFIER
CA	COMPRESSED AIR	HR	HOUR	SD	SMOKE DETECTOR OR SMOKE DAMPER
CAF	CUBIC FEET	HRV	HEAT RECOVERY VENTILATOR	SEC	SECONDS, SECONDARY
CF	CHEMICAL FEED, CUBIC FOOT	HTG	HEATING	SEN	SENSIBLE
CFH	CUBIC FEET PER HOUR	HTR	HEATER	SEP	SEPARATE
CFM	CUBIC FEET PER MINUTE	HW	HOT WATER	SEQ	SEQUENCE
CH	CHILLER	HWR	HOT WATER RETURN	SER	SERIES
CI	CAST IRON	HWS	HOT WATER SUPPLY	SERV	SERVICE
CIRC	CIRCULAR	HZ	HERTZ (CYCLES PER SECOND)	SF	SQUARE FEET
CL	CENTER LINE	ID	INSIDE DIAMETER	SF	SERVICE FACTOR
CM	CENTIMETER	IN	INCH	SF	SQUARE FEET
CO	CARBON MONOXIDE	IN HG	INCHES OF MERCURY	SFD	COMBINATION SMOKE / FIRE DAMPER
CO	COOLING TOWER	INSUL	INSULATION	SHC	SENSIBLE HEAT CAPACITY
COL	COLLUMN	IPS	IRON PIPE SIZE	SHT	SHEET
CONC	CONCRETE, CONCENTRIC	IW	INDIRECT WASTE	SI	INTERNATIONAL SYSTEMS OF UNITS
CONT	CONTINUATION	J	JOULE	SO	SOLENOID
CPVC	CHLORINATED POLYVINYL CHLORIDE	K	KELVIN	SP	STATIC PRESSURE
CR	CONDENSER WATER RETURN	KG	KILOGRAM	SPEC	SPECIFICATION
CS	CONDENSER WATER SUPPLY	KW	KILOWATT	SPLY	SUPPLY
CT	COOLING TOWER	L	LITER	SQ	SQUARE
CT	COOLING TOWER	LAT	LEAVING AIR TEMPERATURE	SS	STAINLESS STEEL
CTR	CENTER	LB	POUND	SSH	STATIC SUCTION HEAD
CU	CUBIC	LBF	POUND-FORCE	SST	SATURATED SUCTION TEMPERATURE
CU FT	CUBIC FEET	LF	LINEAR FEET	STD	STANDARD
CU IN	CUBIC INCHES	LP	LIQUID PETROLEUM	STH	STATIC TOTAL HEAD
CUH	CABINET UNIT HEATER	LRA	LOCKED ROTOR AMPS	STL	STEEL
CW	COLD WATER	LVS	LEAVING	SUCT	SUCTION
CWR	CHILLED WATER RETURN	LVL	LEVEL	SUP	SUPPLY
CWS	CHILLED WATER SUPPLY	LWT	LEAVING WATER TEMPERATURE	SV	SERVICE
D	DRAIN	M	METER	SVH	STATIC VELOCITY HEAD
DB	DRY BULB (TEMPERATURE)	MAT	MIXED AIR TEMPERATURE	SW	SERVICE WEIGHT
DDC	DIRECT DIGITAL CONTROL	MAX	MAXIMUM	SWS	SERVICE WATER
DEG	DEGREE	MBH	1000 BTUH	T	TEMPERATURE OR THERMOSTAT
DELTA	TEMPERATURE DIFFERENCE	MCA	MINIMUM CIRCUIT AMPS	TATAT	THERMOSTAT
DET	DETAIL	MCH	MECHANICAL	TD	TEMPERATURE DIFFERENCE
DI	DIAMETER	MFR	MANUFACTURER	TDH	TOTAL DYNAMIC HEAD
DI	DIAMETER	MG	MILLIGRAM	TEFC	TOTALLY ENCLOSED FAN COOLED
DIM	DIMENSION	MIN	MINIMUM OR MINUTE	TEMP	TEMPERATURE
DISC	DISCONNECT	ML	MILLILITER	TH	THERMOMETER
DN	DOWN	MM	MILLIMETER	THK	THICK
DP	DIFFERENTIAL PRESSURE	MPT	MALE PIPE THREAD	TON	12,000 BTUH (COOLING CAPACITY)
DP	DEW POINT TEMPERATURE	MUA	MAKE-UP AIR	TP	TOTAL PRESSURE
DWG	DRAWING	N/A	NOT APPLICABLE	TSP	TOTAL STATIC PRESSURE
E	END TO CENTER	NC	NOISE CRITERIA	TYP	TYPICAL
E	END TO CENTER	NC	NORMALLY CLOSED	UC	UNDERCUT (DOOR)
EA	EACH OR EXHAUST AIR	NEG	NEGATIVE	UF	UNDER FLOOR
EAT	ENTERING AIR TEMPERATURE	NIC	NOT IN CONTRACT	UH	UNIT HEATER
EER	ENERGY EFFICIENT RATIO	NO	NORMALLY OPEN	V	VENT, VOLT, VOLUME
EET	EXPANSION TANK	NOM	NOMINAL	VAC	VACUUM
EF	EXHAUST FAN	NPHP	NAME PLATE HORSEPOWER	VAV	VARIABLE AIR VOLUME
EFF	EFFICIENCY	NPS	NOMINAL PIPE SIZE	VB	VACUUM BREAKER
EL	ELEVATION	NPSH	NET POSITIVE SUCTION HEAD	VD	VOLUME DAMPER
ELB	ELBOW	NTS	NOT TO SCALE	VEL	VELOCITY
ELEC	ELECTRICAL	O	OXYGEN	VERT	VERTICAL
ENT	ENTERING	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
ERV	ENERGY RECOVERY VENTILATOR	OAT	OUTSIDE TEMPERATURE	VB	VIBRATION
ESP	EXTERNAL STATIC PRESSURE	OC	ON CENTER	VOL	VOLUME
EVAP	EVAPORATOR	OD	OUTSIDE DIAMETER	VP	VELOCITY PRESSURE
EWT	ENTERING WATER TEMPERATURE	ODP	OPEN DRIP PROOF	VTR	VENT THRU ROOF
EXH	EXHAUST	OY	OUTLET VELOCITY	W	WATT, WIDTH, WIDE
EXP	EXPANSION	OZ	OUNCE	WB	WET BULB TEMPERATURE
EXT	EXTERNAL	PA	PASCAL	WC	WATER COLUMN
F	FAHRENHEIT OR FIRE DAMPER	PCR	PUMPED CONDENSATE RETURN	WCO	WALL CLEAN OUT
FC	FAN COIL UNIT	PD	PRESSURE DROP	WG	WATER GAUGE
FD	FLOOR DRAIN OR FIRE DAMPER	PF	POWER FACTOR	WH	WATER HEATER
FDC	FIRE DEPARTMENT	PG	PRESSURE GAUGE	WPD	WATER PRESSURE DROP
FDW	FEED WATER	PH	PHASE	WTD	WATER TEMPERATURE DIFFERENCE
FEC	FIRE EXTINGUISHER CABINET	PNEU	PNEUMATIC		
FF	FINISH FLOOR	PROP	PROPELLER		
FG	FINISH GRADE	PRV	PRESSURE REDUCING VALVE		

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ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL ABBREVIATIONS & SYMBOLS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

Checked
MSH

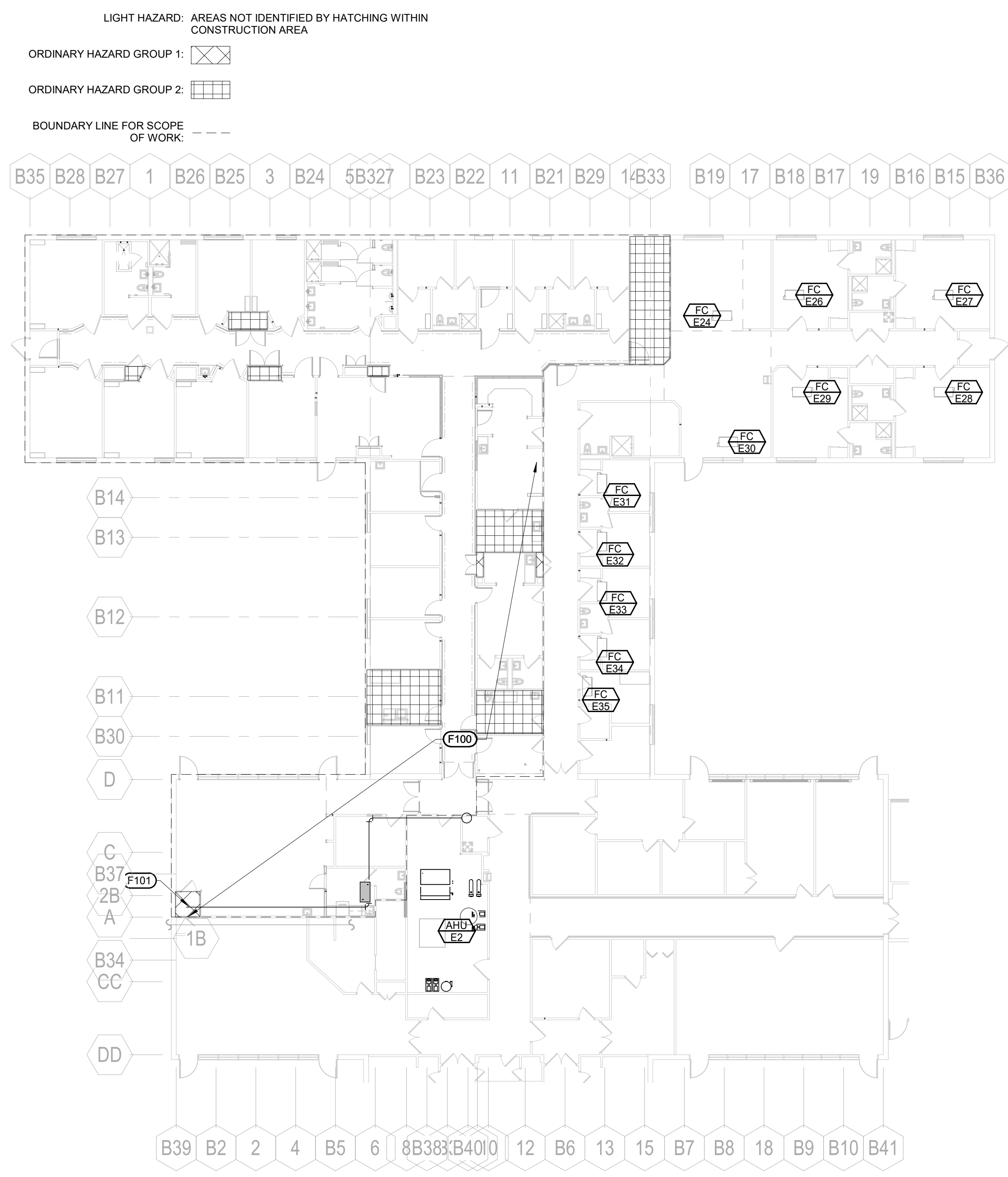
Drawn
MMK/JH

Project Number
VA #66-20-102 SGA #211937

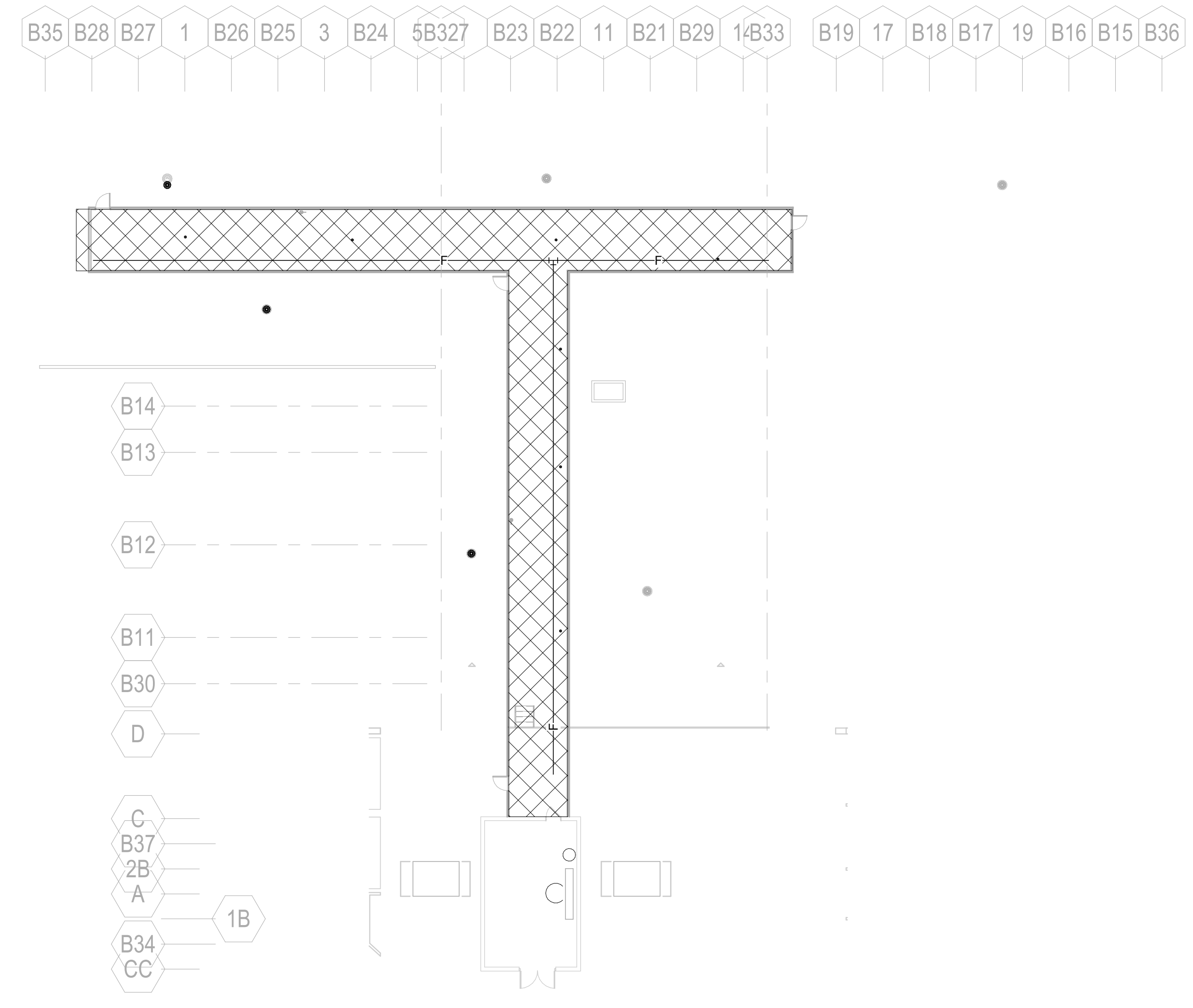
Building Number
#148

Drawing Number
MA-101

three inches = one foot
 one and one half inches = one foot
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 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



① 1ST LEVEL FIRE PROTECTION PLAN
 1/16" = 1'-0"



② ROOF FIRE PROTECTION PLAN
 1/16" = 1'-0"

- FIRE PROTECTION HAZARD CLASSIFICATION**
- A LIGHT HAZARD OCCUPANCIES: PATIENT CARE, TREATMENT, AND CUSTOMARY ACCESS AREAS.
 - B ORDINARY HAZARD GROUP 1 OCCUPANCIES: MECHANICAL EQUIPMENT ROOMS, TRANSFORMER ROOMS, ELECTRICAL SWITCHGEAR ROOMS, AND ELECTRIC CLOSETS.
 - C ORDINARY HAZARD GROUP 2 OCCUPANCIES: STORAGE ROOMS, TRASH ROOMS, CLEAN AND SOILED LINEN ROOMS, PHARMACY AND ASSOCIATED STORAGE, LAUNDRY, STORAGE, STORAGE AREAS FOR THE ENTIRE AREA OF THE SPACE UP TO 140 SQUARE METERS (1500 SQUARE FEET).
- GENERAL FIRE PROTECTION NOTES**
- FA COORDINATE LOCATION OF PIPING, PIPING ACCESSORIES, ETC. WITH ARCHITECTURAL CEILING GRID. REFER TO REFLECTED CEILING PLAN FOR CEILING LOCATIONS.
 - FB ENTIRE BUILDING SHALL BE PROTECTED BY A WET FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
 - FC STATIC PRESSURE ON MAIN LEVEL (AT FIRE SPRINKLER CLOSE BY DINING) IS ESTIMATED TO BE 70 PSI WITH A RESIDUAL PRESSURE FLOW ESTIMATED AT 40.7 PSI@152 GPM. SIZE FIRE SPRINKLER PIPING TO PROVIDE A MINIMUM OF 10% FACTOR OF SAFETY FOR SYSTEM PRESSURE. CONTRACTOR TO CONFIRM ACTUAL SYSTEM FLOW/PRESSURE PRIOR TO HYDRAULIC CALCULATIONS.
 - FD SPACE ABOVE CEILING IS LIMITED. CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING WITH ALL OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AND TRANSITIONS AS REQUIRED TO COMPLETE INSTALLATION.
 - FE FOLLOWING COMPLETION OF CONSTRUCTION THE FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A WRITTEN LETTER INDICATING SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE APPROPRIATE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIREMENTS. ALSO INCLUDE A COPY OF THE INSPECTION REPORT FROM THE AUTHORITY HAVING JURISDICTION.
 - FF FIRE SPRINKLER PIPING MAINS SHOWN FOR INTENDED ROUTING. CONTRACTOR TO FOLLOW FIRE SPRINKLER ROUTING FOR HYDRAULIC CALCULATIONS AND SYSTEM INSTALLATION.
 - FG REFER TO ARCHITECTURAL PLANS FOR DESCRIPTION OF PHASES. SPRINKLER SYSTEMS SERVING OCCUPIED AREAS SHALL REMAIN OPERATIONAL AT ALL TIMES.
 - FH PROVIDE TEMPORARY UPRIGHT SPRINKLERS IN CONSTRUCTION AREAS WHERE CONTRACTOR CHOOSES THE OPTION IDENTIFIED ON SHEET G102. THE TEMPORARY SPRINKLERS SHALL REMAIN OPERATIONAL UNTIL THE NEW SPRINKLERS ARE INSTALLED AND OPERATIONAL.
 - FI ALL SPRINKLERS SHALL BE FM APPROVED QUICK RESPONSE EXCEPT "INSTITUTIONAL" TYPE SPRINKLERS SHALL BE PERMITTED TO BE UL LISTED QUICK RESPONSE. "INSTITUTIONAL" TYPE SPRINKLERS SHALL BE PROVIDED IN MENTAL HEALTH AND BEHAVIOR UNITS AND SHALL BE UL LISTED OR FM APPROVED QUICK RESPONSE TYPE.
- MECHANICAL SPECIFIC NOTES**
- F100 REMOVE AND REPLACE EXISTING FIRE PROTECTION PIPING WITHIN THIS AREA.
 - F101 FIRE SPRINKLER ZONE CONTROL ASSEMBLY WITHIN THIS AREA.

Revision#	Description	Date:

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A/E:
STONE GROUP ARCHITECTS

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

Drawing Title
FIRE PROTECTION PLANS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
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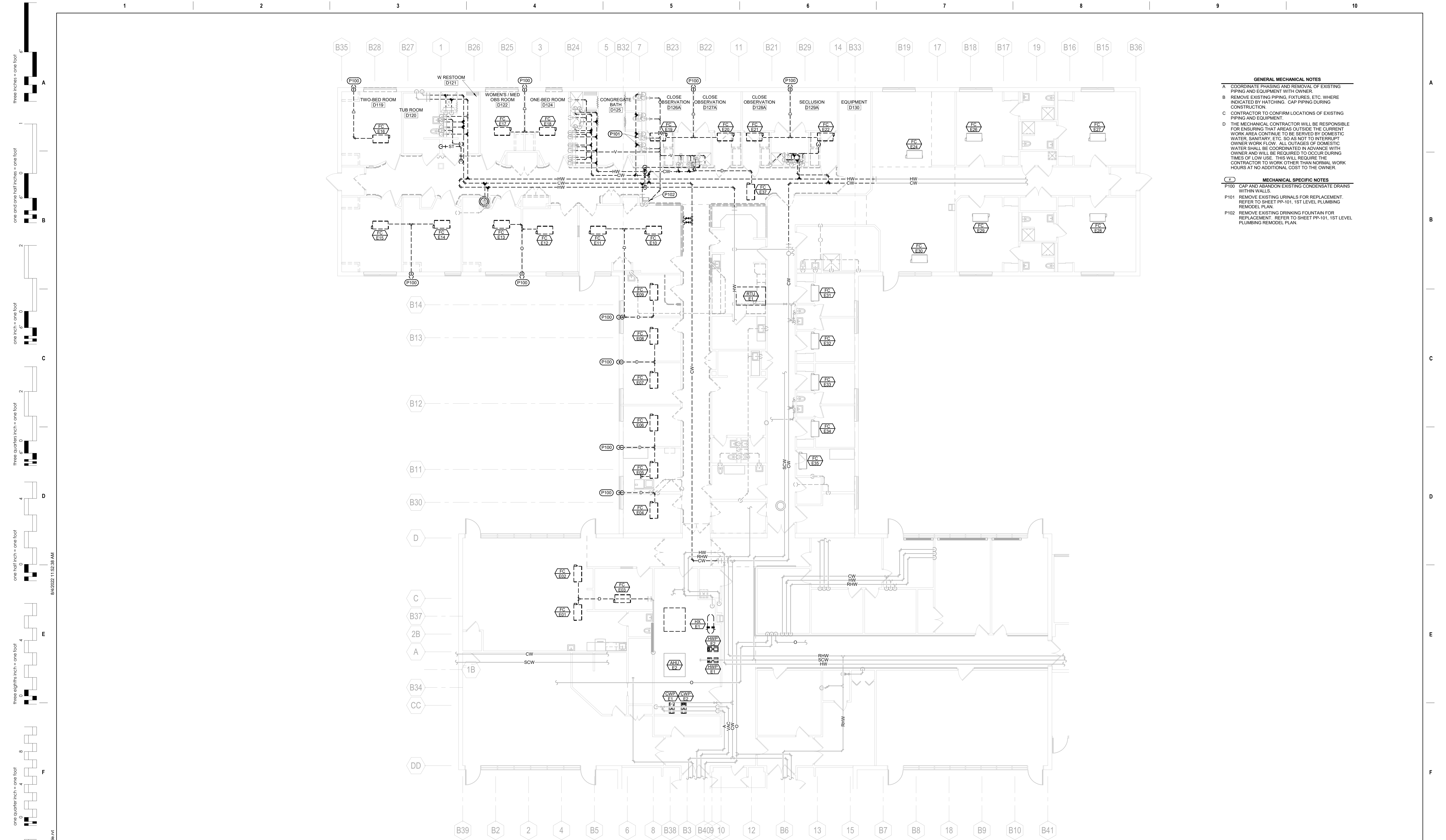
Checked
 MSH

Drawn
 MMM/KJH

Project Number
 VA #66-20-102
 SGA #211937

Building Number
 #148

Drawing Number
FX101



- GENERAL MECHANICAL NOTES**
- A COORDINATE PHASING AND REMOVAL OF EXISTING PIPING AND EQUIPMENT WITH OWNER.
 - B REMOVE EXISTING PIPING, FIXTURES, ETC. WHERE INDICATED BY HATCHING. CAP PIPING DURING CONSTRUCTION.
 - C CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PIPING AND EQUIPMENT.
 - D THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT AREAS OUTSIDE THE CURRENT WORK AREA CONTINUE TO BE SERVED BY DOMESTIC WATER, SANITARY, ETC. SO AS NOT TO INTERRUPT OWNER WORK FLOW. ALL OUTAGES OF DOMESTIC WATER SHALL BE COORDINATED IN ADVANCE WITH OWNER AND WILL BE REQUIRED TO OCCUR DURING TIMES OF LOW USE. THIS WILL REQUIRE THE CONTRACTOR TO WORK OTHER THAN NORMAL WORK HOURS AT NO ADDITIONAL COST TO THE OWNER.
- MECHANICAL SPECIFIC NOTES**
- P100 CAP AND ABANDON EXISTING CONDENSATE DRAINS WITHIN WALLS.
 - P101 REMOVE EXISTING URINALS FOR REPLACEMENT. REFER TO SHEET PP-101, 1ST LEVEL PLUMBING REMODEL PLAN.
 - P102 REMOVE EXISTING DRINKING FOUNTAIN FOR REPLACEMENT. REFER TO SHEET PP-101, 1ST LEVEL PLUMBING REMODEL PLAN.

1 1ST LEVEL PLUMBING DEMOLITION PLAN
 1/8" = 1'-0"

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

BM42022 11:52:39 AM
 C:\Revit Local Files\2021\B21045 - VA FM Upgrade Mental Health Lock Ward-MEPSS-CENTRAL_McTeague.rvt

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING: West Plains Engineering, Inc. 1750 Rapid Road Rapid City, South Dakota 57702 Phone: 605-348-7455	STRUCTURAL: Alberston Engineering, Inc. 3202 W. Main St., R.C. Rapid City, South Dakota 57702 Phone: 605-343-9609
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ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

 U.S. Department of Veterans Affairs

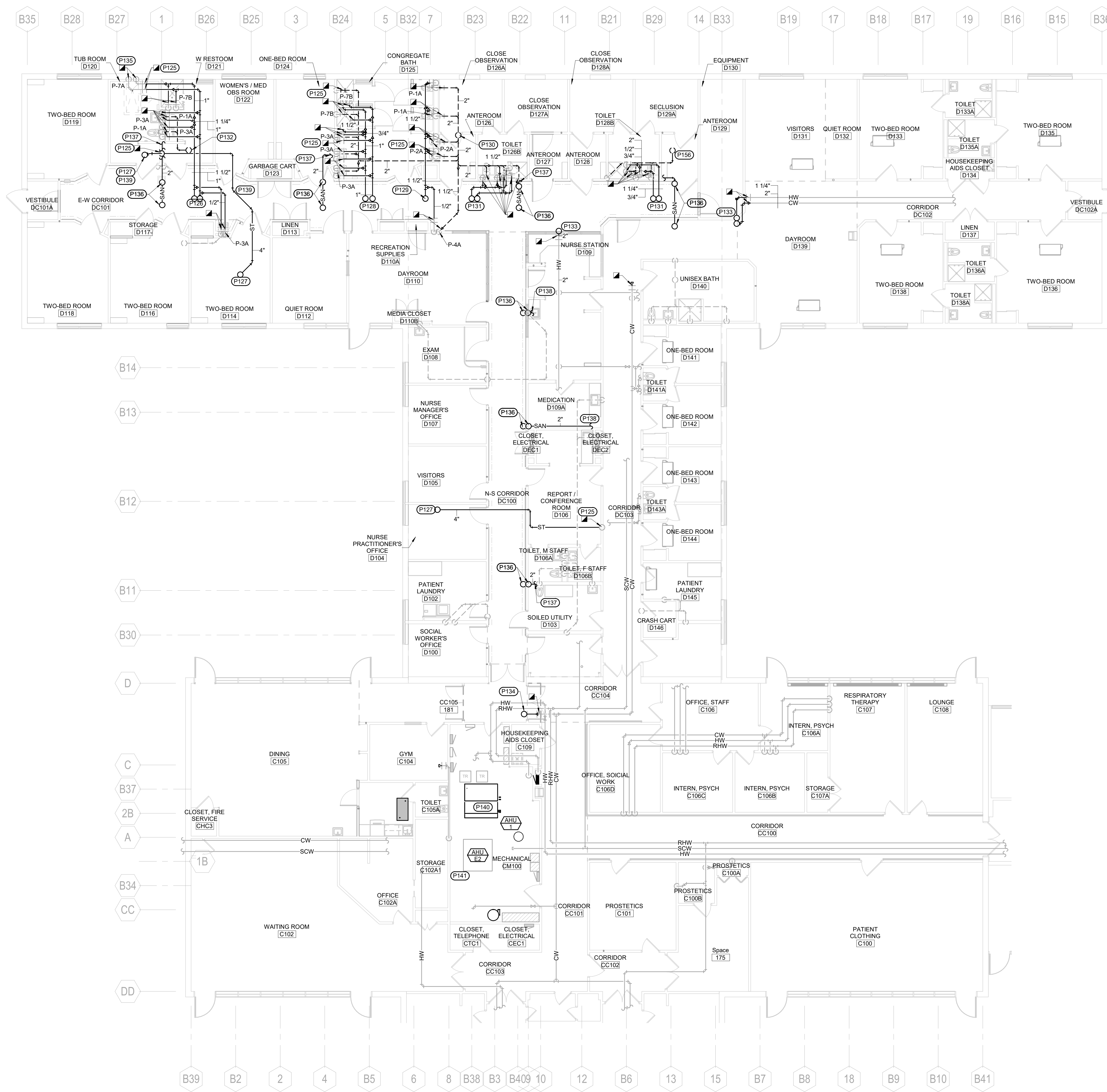
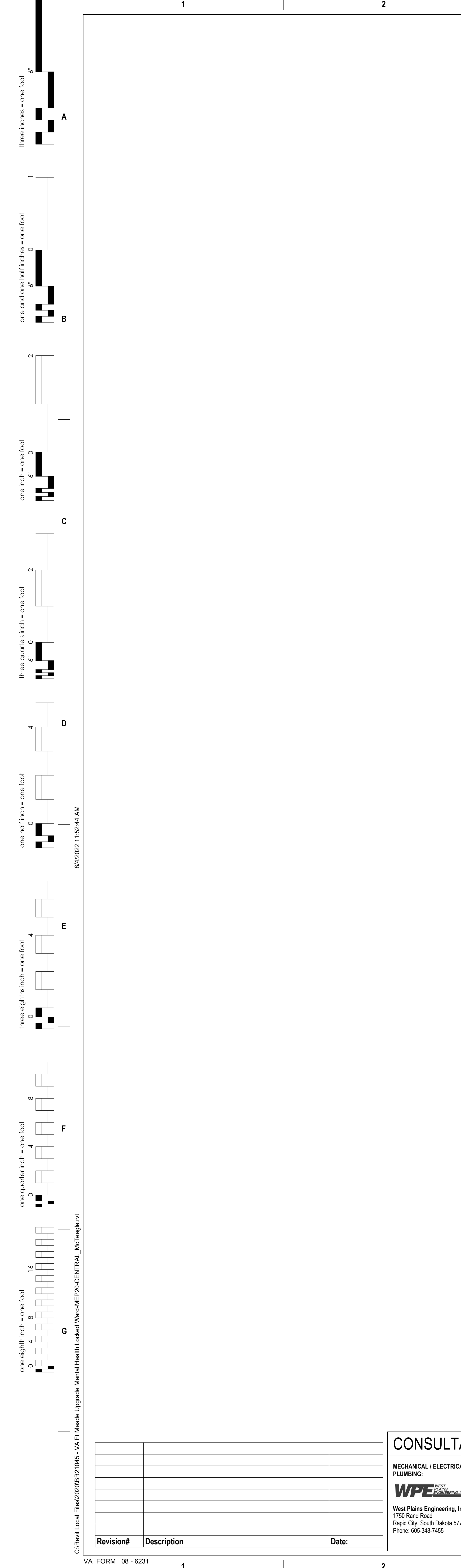
Drawing Title
1ST LEVEL PLUMBING DEMOLITION PLAN

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

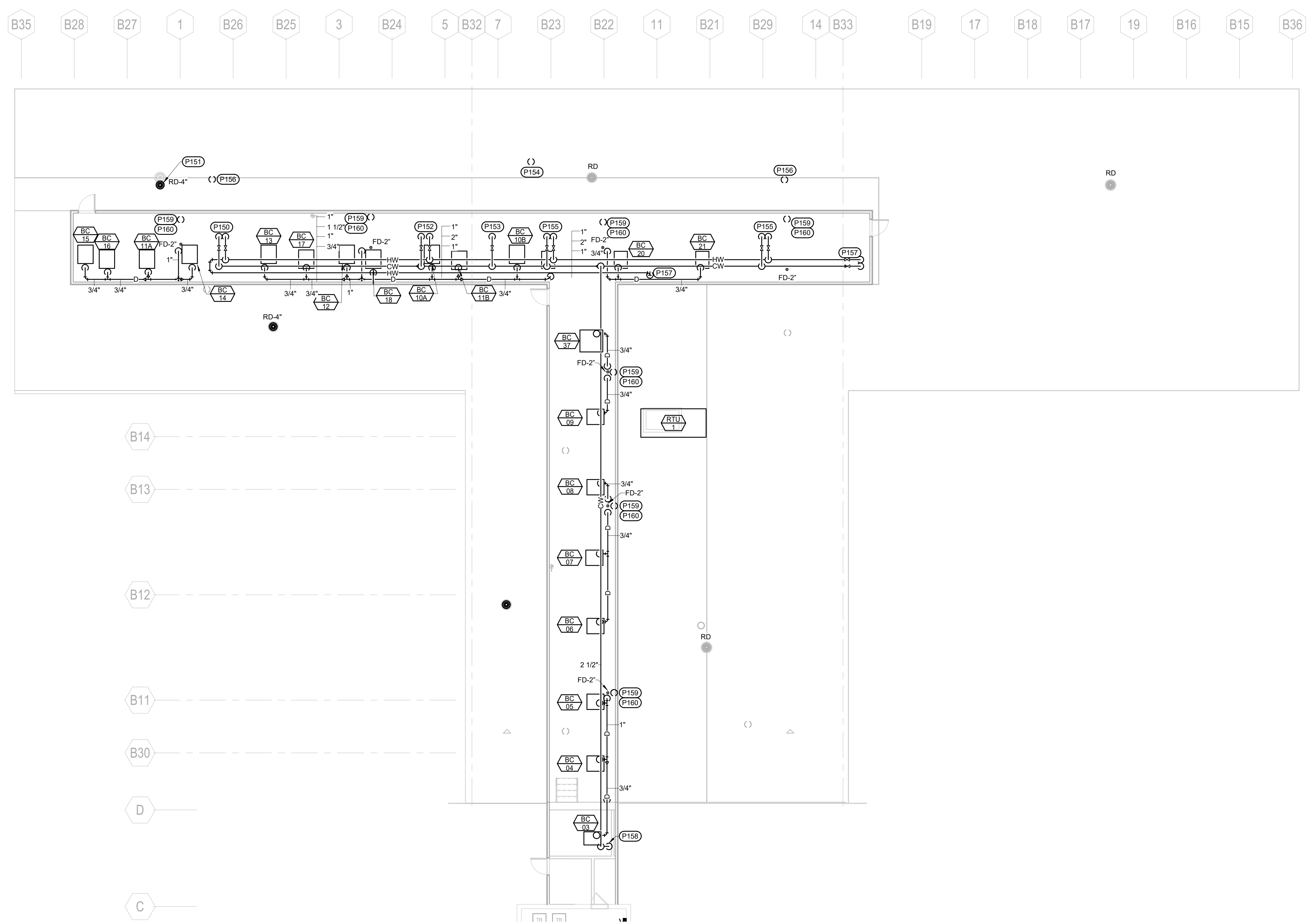
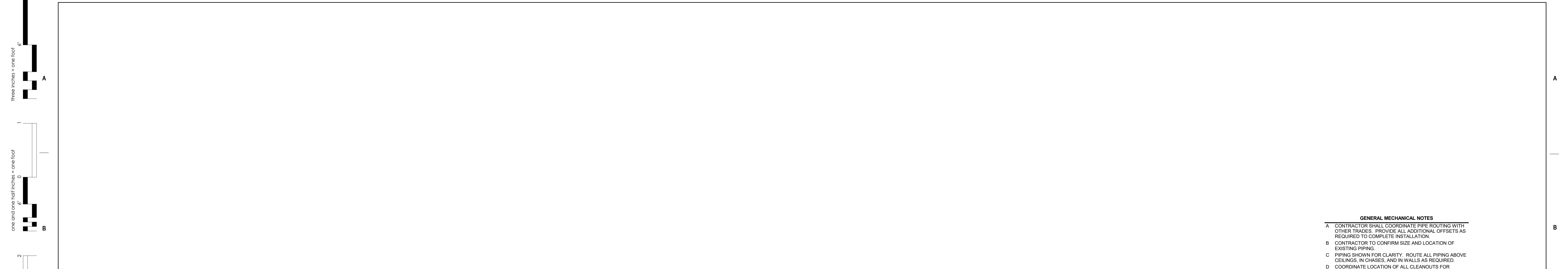
Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD	Project Number VA #66-20-102 SGA #211937 Building Number #148
Location FORT MEADE, SOUTH DAKOTA	Drawing Number PD-101
Issue Date 08/05/2022	Checked MSH
Drawn MMMKJH	



- GENERAL MECHANICAL NOTES**
- CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
 - CONTRACTOR TO CONFIRM SIZE AND LOCATION OF EXISTING PIPING.
 - PIPING SHOWN FOR CLARITY. ROUTE ALL PIPING ABOVE CEILINGS, IN CHASES, AND IN WALLS AS REQUIRED.
 - COORDINATE LOCATION OF ALL CLEANOUTS FOR ACCESSIBILITY.
 - ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - DOMESTIC WATER RECIRCULATION BALANCING VALVES SHALL BE AN AUTOFLOW STYLE VALVE, 0.33 GPM.
- MECHANICAL SPECIFIC NOTES**
- CONNECT NEW PIPING TO EXISTING WITHIN THIS AREA. CONTRACTOR TO CONFIRM LOCATION OF PIPING.
 - 1-1/2" CW AND 1" HW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 4" ST DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 1" CW AND HW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 1-1/2" CW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 3" VENT UP, 4" VTR.
 - 1-1/4" CW AND 3/4" HW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 2" VENT UP, 3" VTR.
 - 2" CW AND 1" HW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - 2-1/2" CW DOWN FROM ROOF LEVEL. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - REPLACE EXISTING STOPS TO SERVE NEW TUB. CONNECT NEW SUPPLIES AND DRAIN SERVING P-7A FIXTURE TO EXISTING WITHIN THIS AREA.
 - 2" SAN AND 1-1/2" VENT SERVING FLOOR DRAIN IN MECHANICAL PENTHOUSE. REFER TO PP-102, ROOF PLUMBING PLAN, FOR CONTINUATION.
 - CONNECT 2" SAN SERVING FLOOR DRAIN IN PENTHOUSE TO EXISTING SAN SERVING WATER CLOSET.
 - CONNECT 2" SAN SERVING FLOOR DRAIN IN PENTHOUSE TO EXISTING SAN SERVING SINK.
 - INSTALL PIPING ABOVE DUCTWORK. ROUTE PIPING WITHIN JUST SPACE AND THROUGH WEBS AS NECESSARY TO MAINTAIN NECESSARY CEILING CLEARANCE.
 - PROVIDE 1" CONDENSATE DRAIN FROM AHU-1 TO FLOOR DRAIN WITHIN MECH ROOM (APPROXIMATELY 20 FT).
 - RELOCATE EXISTING 3" SAN, 2" ST, 3" CW, AND MISCELLANEOUS PIPING AS NECESSARY FOR INSTALLATION OF NEW DUCTWORK (APPROXIMATELY 50 FT). COORDINATE RELOCATION WITH HVAC CONTRACTOR.
 - 2" VENT UP, 3" VTR.

1 1ST LEVEL PLUMBING REMODEL PLAN
 1/8" = 1'-0"

Revision# Description Date	CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455		STRUCTURAL: Alberston Engineering, Inc. 3202 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-9609		ARCHITECT OF RECORD A/E: STONE GROUP ARCHITECTS		STAMP Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title 1ST LEVEL PLUMBING REMODEL PLAN Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD	Project Number VA #65-20-102 SGA #211937 Building Number #148 Drawing Number PP-101
	VA FORM 08 - 6231										



1 ROOF PLUMBING PLAN
1/8" = 1'-0"

GENERAL MECHANICAL NOTES

- A CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AS REQUIRED TO COMPLETE INSTALLATION.
- B CONTRACTOR TO CONFIRM SIZE AND LOCATION OF EXISTING PIPING.
- C PIPING SHOWN FOR CLARITY. ROUTE ALL PIPING ABOVE CEILING, IN CHASES, AND IN WALLS AS REQUIRED.
- D COORDINATE LOCATION OF ALL CLEANOUTS FOR ACCESSIBILITY.
- E ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
- F DOMESTIC WATER RECIRCULATION BALANCING VALVES SHALL BE AN AUTOFLOW STYLE VALVE, 0.33 GPM.
- G PROVIDE 3/4" CONDENSATE DRAIN FROM EACH FAN COIL TO CONDENSATE MAIN.

MECHANICAL SPECIFIC NOTES

- P150 1-1/2" CW AND 1" HW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P151 4" ST DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P152 1-1/2" CW AND 1" HW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P153 1-1/2" CW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P154 3" VENT UP, 4" VTR.
- P155 1-1/4" CW AND 3/4" HW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P156 2" VENT UP, 3" VTR.
- P157 2" CW AND 1" HW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P158 2-1/2" CW DOWN TO FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P159 1-1/2" VENT UP FROM FIRST FLOOR. REFER TO PP-101, 1ST LEVEL PLUMBING REMODEL PLAN, FOR CONTINUATION.
- P160 1-1/2" VENT UP, 3" VTR.

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 VA FORM 08 - 6231

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455	STRUCTURAL: ALBERTSON ALBERTSON ENGINEERING, INC. 3202 W. Main St., R.C. Rapid City, South Dakota 57702 Phone: 605-343-9600
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ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ROOF PLUMBING PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

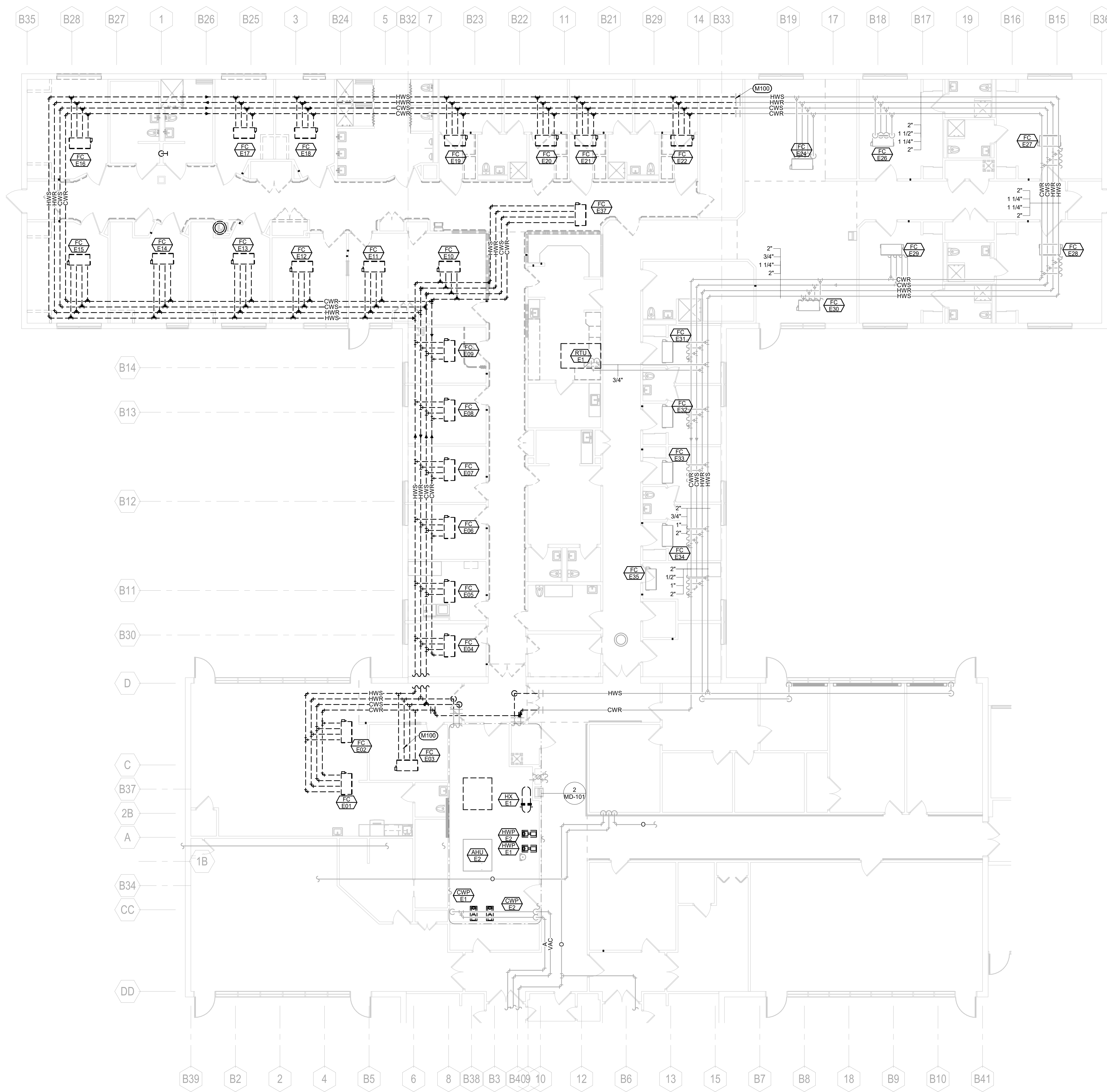
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MSH

Drawn
MMMKJH

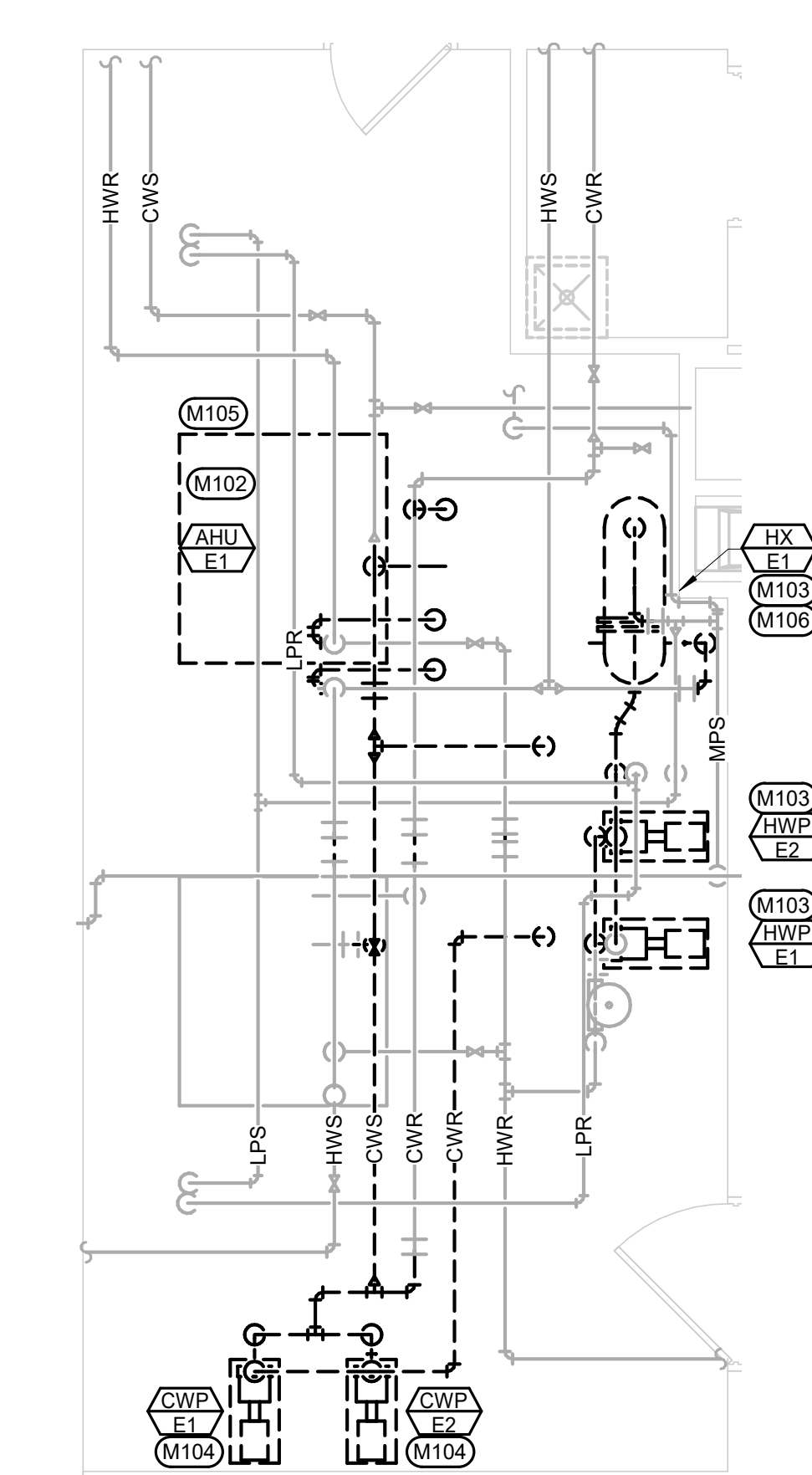
Project Number
VA #65-20-102 SGA #211937

Building Number
#148

Drawing Number
PP-102



1 1ST LEVEL PIPING DEMOLITION PLAN
1/8" = 1'-0"



2 ENLARGED MECHANICAL ROOM PIPING DEMOLITION PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A COORDINATE PHASING AND REMOVAL OF EXISTING PIPING AND EQUIPMENT WITH OWNER.
 - B REMOVE EXISTING PIPING, EQUIPMENT, ETC. WHERE DASHED. CAP PIPING DURING CONSTRUCTION.
 - C CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PIPING AND EQUIPMENT.
- MECHANICAL SPECIFIC NOTES**
- M100 TEMPORARILY CAP EXISTING HWS, HWR, CWS, AND CWR PIPING AS NECESSARY DURING CONSTRUCTION.
 - M102 REMOVE EXISTING PIPING SERVING AHU-E1. TEMPORARILY CAP PIPING DURING CONSTRUCTION. REFER TO SHEET MP-101, 1ST LEVEL PIPING REMODEL PLAN, FOR NEW WORK WITHIN THIS AREA.
 - M103 REMOVE EXISTING HX-E1, HWP-E1, HWR-E2, AND ASSOCIATED HWS, HWR, MPS, AND MPR PIPING WHERE INDICATED. TEMPORARILY CAP PIPING DURING CONSTRUCTION. REFER TO SHEET MP-101, 1ST LEVEL PIPING REMODEL PLAN, FOR NEW WORK WITHIN THIS AREA.
 - M104 REMOVE EXISTING CWP-E1, CWP-E2, AND ASSOCIATED CWS AND CWR PIPING WHERE INDICATED. TEMPORARILY CAP PIPING DURING CONSTRUCTION. REFER TO SHEET MP-101, 1ST LEVEL PIPING REMODEL PLAN, FOR NEW WORK WITHIN THIS AREA.
 - M105 CONTRACTOR MAY REMOVE AND/OR RELOCATE EXISTING WATER HEATER AS NECESSARY FOR REMOVAL OF AIR HANDLING UNIT. PROVIDE TEMPORARY WATER HEATER AS NECESSARY TO SERVE FACILITY WITH A MINIMUM OF 50 GALLONSHR DELIVERY AT 100 DEGREE TEMPERATURE RISE.
 - M106 PIPING WITHIN THIS AREA IS TIGHT. REMOVE EXISTING AND PROVIDE ADDITIONAL PIPING (APPROXIMATELY 50 FT OF 2" AND ELBOWS APPROXIMATELY TEN 90 DEGREE 2") AS NECESSARY FOR INSTALLATION OF NEW HEAT EXCHANGERS.

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one eighth inch = one foot

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 VA FORM 08 - 6231

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
 West Plains Engineering, Inc.
 1750 Rapid Road
 Rapid City, South Dakota 57702
 Phone: 605-348-7455

STRUCTURAL:
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 Phone: 605-343-9809

ARCHITECT OF RECORD

A/E:
STONE GROUP ARCHITECTS

STAMP

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

Drawing Title
1ST LEVEL HVAC PIPING DEMOLITION PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
 08/05/2022

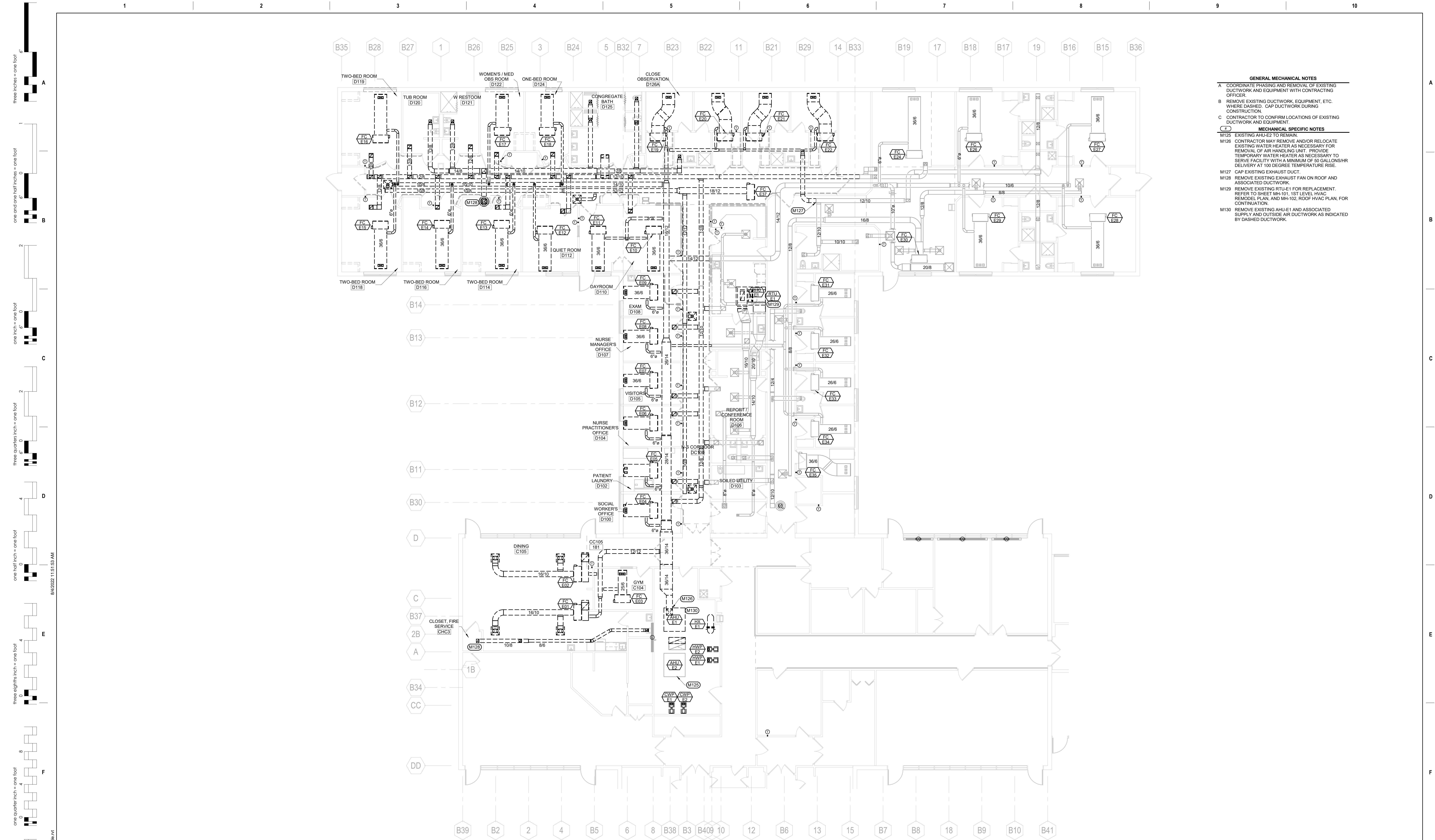
Checked
 MSH

Drawn
 MMM/KJH

Project Number
 VA #65-20-102
 SGA #211937

Building Number
 #148

Drawing Number
MD-101



- GENERAL MECHANICAL NOTES**
- A COORDINATE PHASING AND REMOVAL OF EXISTING DUCTWORK AND EQUIPMENT WITH CONTRACTING OFFICER.
 - B REMOVE EXISTING DUCTWORK, EQUIPMENT, ETC. WHERE DASHED. CAP DUCTWORK DURING CONSTRUCTION.
 - C CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING DUCTWORK AND EQUIPMENT.
- MECHANICAL SPECIFIC NOTES**
- M125 EXISTING AHU'S TO REMAIN.
 - M126 CONTRACTOR MAY REMOVE AND/OR RELOCATE EXISTING WATER HEATER AS NECESSARY FOR REMOVAL OF AIR HANDLING UNIT. PROVIDE TEMPORARY WATER HEATER AS NECESSARY TO SERVE FACILITY WITH A MINIMUM OF 50 GALLONS/HR DELIVERY AT 100 DEGREE TEMPERATURE RISE.
 - M127 CAP EXISTING EXHAUST DUCT.
 - M128 REMOVE EXISTING EXHAUST FAN ON ROOF AND ASSOCIATED DUCTWORK.
 - M129 REMOVE EXISTING RTU/E1 FOR REPLACEMENT. REFER TO SHEET MH-101, 1ST LEVEL HVAC REMODEL PLAN, AND MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M130 REMOVE EXISTING AHU-E1 AND ASSOCIATED SUPPLY AND OUTSIDE AIR DUCTWORK AS INDICATED BY DASHED DUCTWORK.

1 1ST LEVEL HVAC DEMOLITION PLAN
1/8" = 1'-0"

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one sixteenth inch = one foot

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Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

WPE
West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
Phone: 605-348-7455

STRUCTURAL:

Alberston Engineering, Inc.
3202 W. Main St., R.C.
Rapid City, South Dakota 57702
Phone: 605-343-9809

ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

1ST LEVEL HVAC DEMOLITION PLAN

Approved:

Phase

CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location

FORT MEADE, SOUTH DAKOTA

Issue Date

08/05/2022

Checked

MSH

Drawn

MMMKJH

Project Number

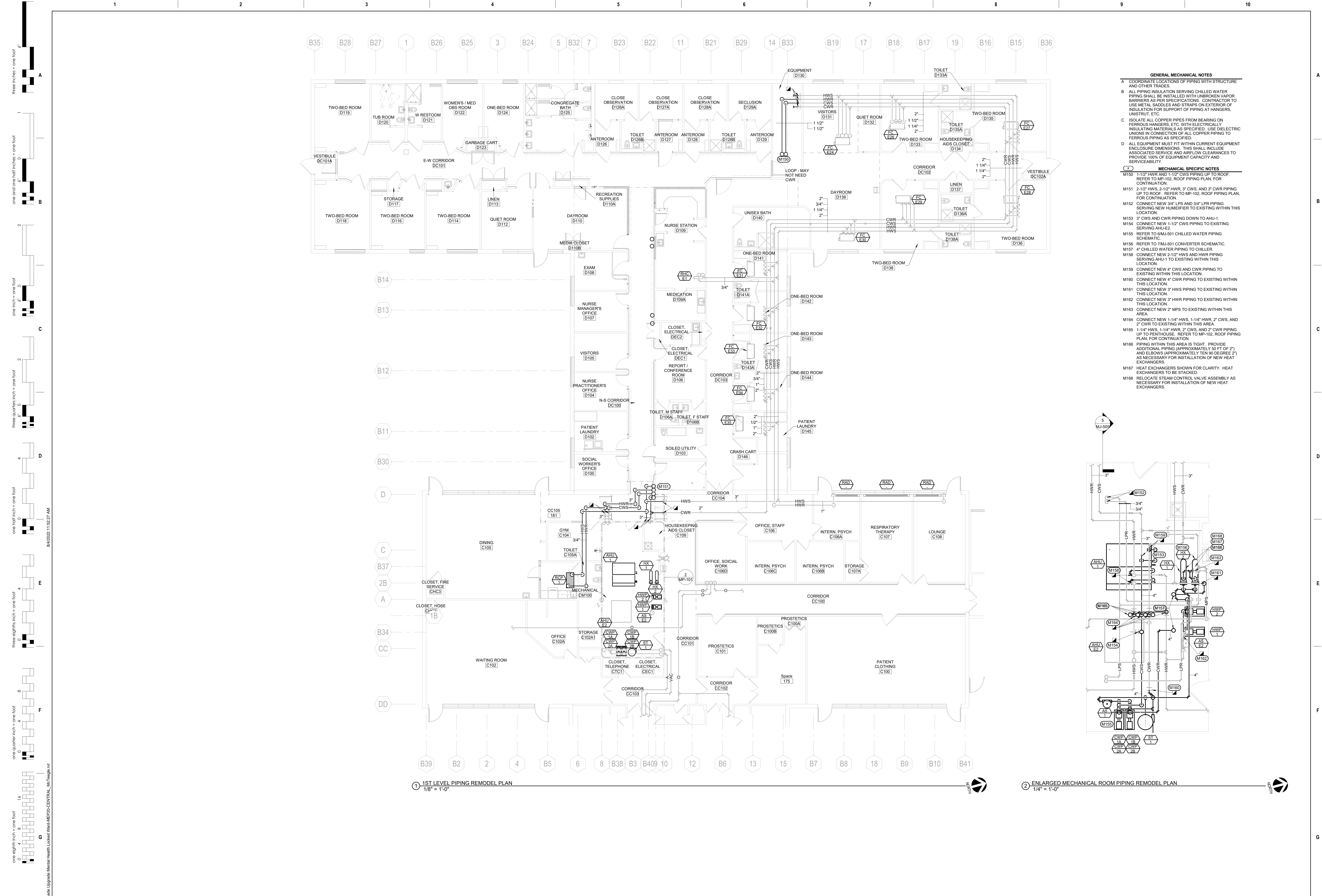
VA #66-20-102 SGA #211937

Building Number

#148

Drawing Number

MD-201



1 1ST LEVEL PIPING REMODEL PLAN
1/8" = 1'-0"

2 ENLARGED MECHANICAL ROOM PIPING REMODEL PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A COORDINATE LOCATIONS OF PIPING WITH STRUCTURE AND OTHER TRADES.
 - B ALL PIPING INSULATION SERVING CHILLED WATER PIPING SHALL BE INSTALLED WITH UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC.
 - C ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - D ALL EQUIPMENT MUST FIT WITHIN CURRENT EQUIPMENT ENCLOSURE DIMENSIONS. THIS SHALL INCLUDE ASSOCIATED SERVICE AND AIRFLOW CLEARANCES TO PROVIDE 100% OF EQUIPMENT CAPACITY AND SERVICEABILITY.
- MECHANICAL SPECIFIC NOTES**
- M150 1-1/2" HWR AND 1-1/2" CWR PIPING UP TO ROOF. REFER TO MP-102, ROOF PIPING PLAN, FOR CONTINUATION.
 - M151 2-1/2" HWS, 2-1/2" HWR, 3" CWS, AND 3" CWR PIPING UP TO ROOF. REFER TO MP-102, ROOF PIPING PLAN, FOR CONTINUATION.
 - M152 CONNECT NEW 3/4" LPS AND 3/4" LPR PIPING SERVING NEW HUMIDIFIER TO EXISTING WITHIN THIS LOCATION.
 - M153 3" CWS AND CWR PIPING DOWN TO AHU-1.
 - M154 CONNECT NEW 1-1/2" CWS PIPING TO EXISTING SERVING AHU-E2.
 - M155 REFER TO 8MJ-501 CHILLED WATER PIPING SCHEMATIC.
 - M156 REFER TO 7MJ-501 CONVERTER SCHEMATIC.
 - M157 4" CHILLED WATER PIPING TO CHILLER.
 - M158 CONNECT NEW 2-1/2" HWS AND HWR PIPING SERVING AHU-1 TO EXISTING WITHIN THIS LOCATION.
 - M159 CONNECT NEW 4" CWS AND CWR PIPING TO EXISTING WITHIN THIS LOCATION.
 - M160 CONNECT NEW 4" CWR PIPING TO EXISTING WITHIN THIS LOCATION.
 - M161 CONNECT NEW 3" HWS PIPING TO EXISTING WITHIN THIS LOCATION.
 - M162 CONNECT NEW 3" HWR PIPING TO EXISTING WITHIN THIS LOCATION.
 - M163 CONNECT NEW 2" MPS TO EXISTING WITHIN THIS AREA.
 - M164 CONNECT NEW 1-1/4" HWS, 1-1/4" HWR, 2" CWS, AND 2" CWR TO EXISTING WITHIN THIS AREA.
 - M165 1-1/4" HWS, 1-1/4" HWR, 2" CWS, AND 2" CWR PIPING UP TO PENTHOUSE. REFER TO MP-102, ROOF PIPING PLAN, FOR CONTINUATION.
 - M166 PIPING WITHIN THIS AREA IS TIGHT. PROVIDE ADDITIONAL PIPING (APPROXIMATELY 50 FT OF 2") AND ELBOWS (APPROXIMATELY TEN 90 DEGREE 2") AS NECESSARY FOR INSTALLATION OF NEW HEAT EXCHANGERS.
 - M167 HEAT EXCHANGERS SHOWN FOR CLARITY. HEAT EXCHANGERS TO BE STACKED.
 - M168 RELOCATE STEAM CONTROL VALVE ASSEMBLY AS NECESSARY FOR INSTALLATION OF NEW HEAT EXCHANGERS.

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 one eighth inch = one foot

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
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 Rapid City, South Dakota 57702
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STRUCTURAL:
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 Phone: 605-343-9809

ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL PIPING REMODEL PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

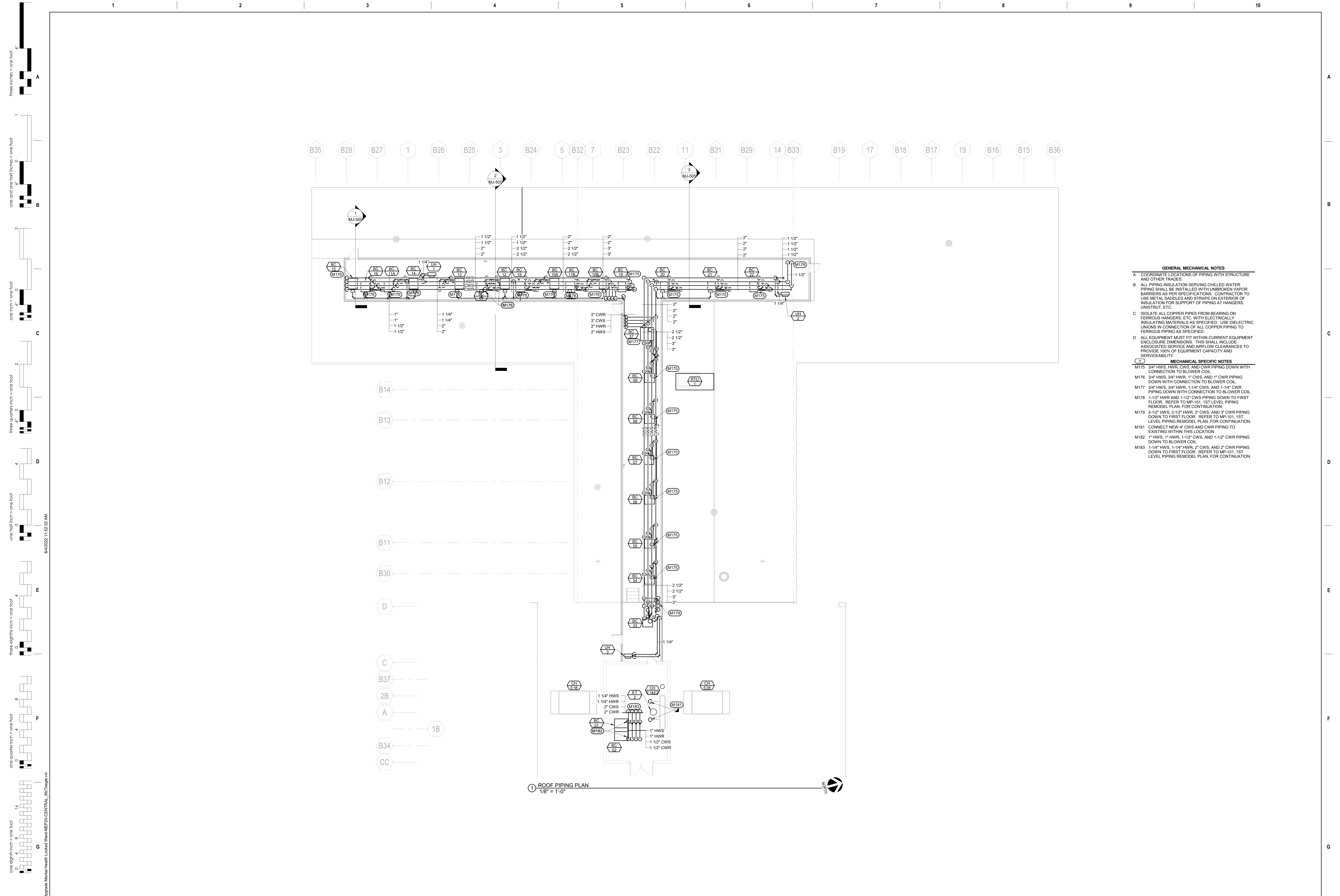
Checked
MSH

Drawn
MMMKJH

Project Number
VA #66-24-102
SGA #211937

Building Number
#148

Drawing Number
MP-101



- GENERAL MECHANICAL NOTES**
- A COORDINATE LOCATIONS OF PIPING WITH STRUCTURE AND OTHER TRADES.
 - B ALL PIPING INSULATION SERVING CHILLED WATER PIPING SHALL BE INSTALLED WITH UNBROKEN VAPOR BARRIERS AS PER SPECIFICATIONS. CONTRACTOR TO USE METAL SADDLES AND STRAPS ON EXTERIOR OF INSULATION FOR SUPPORT OF PIPING AT HANGERS, UNISTRUT, ETC.
 - C ISOLATE ALL COPPER PIPES FROM BEARING ON FERROUS HANGERS, ETC. WITH ELECTRICALLY INSULATING MATERIALS AS SPECIFIED. USE DIELECTRIC UNIONS IN CONNECTION OF ALL COPPER PIPING TO FERROUS PIPING AS SPECIFIED.
 - D ALL EQUIPMENT MUST FIT WITHIN CURRENT EQUIPMENT ENCLOSURE DIMENSIONS. THIS SHALL INCLUDE ASSOCIATED SERVICE AND AIRFLOW CLEARANCES TO PROVIDE 100% OF EQUIPMENT CAPACITY AND SERVICEABILITY.
- MECHANICAL SPECIFIC NOTES**
- M176 3/4\"/>

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 one eighth inch = one foot

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:

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West Plains Engineering, Inc.
1750 Rand Road
Rapid City, South Dakota 57702
Phone: 605-348-7455

STRUCTURAL:

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Rapid City, South Dakota 57702
Phone: 605-343-9809

ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **ROOF PIPING PLAN**

Approved: _____

Phase: **CONSTRUCTION DOCUMENTS**

FULLY SPRINKLERED

Project Title: **VA FM UPGRADE MENTAL HEALTH LOCK WARD**

Location: **FORT MEADE, SOUTH DAKOTA**

Issue Date: **08/05/2022**

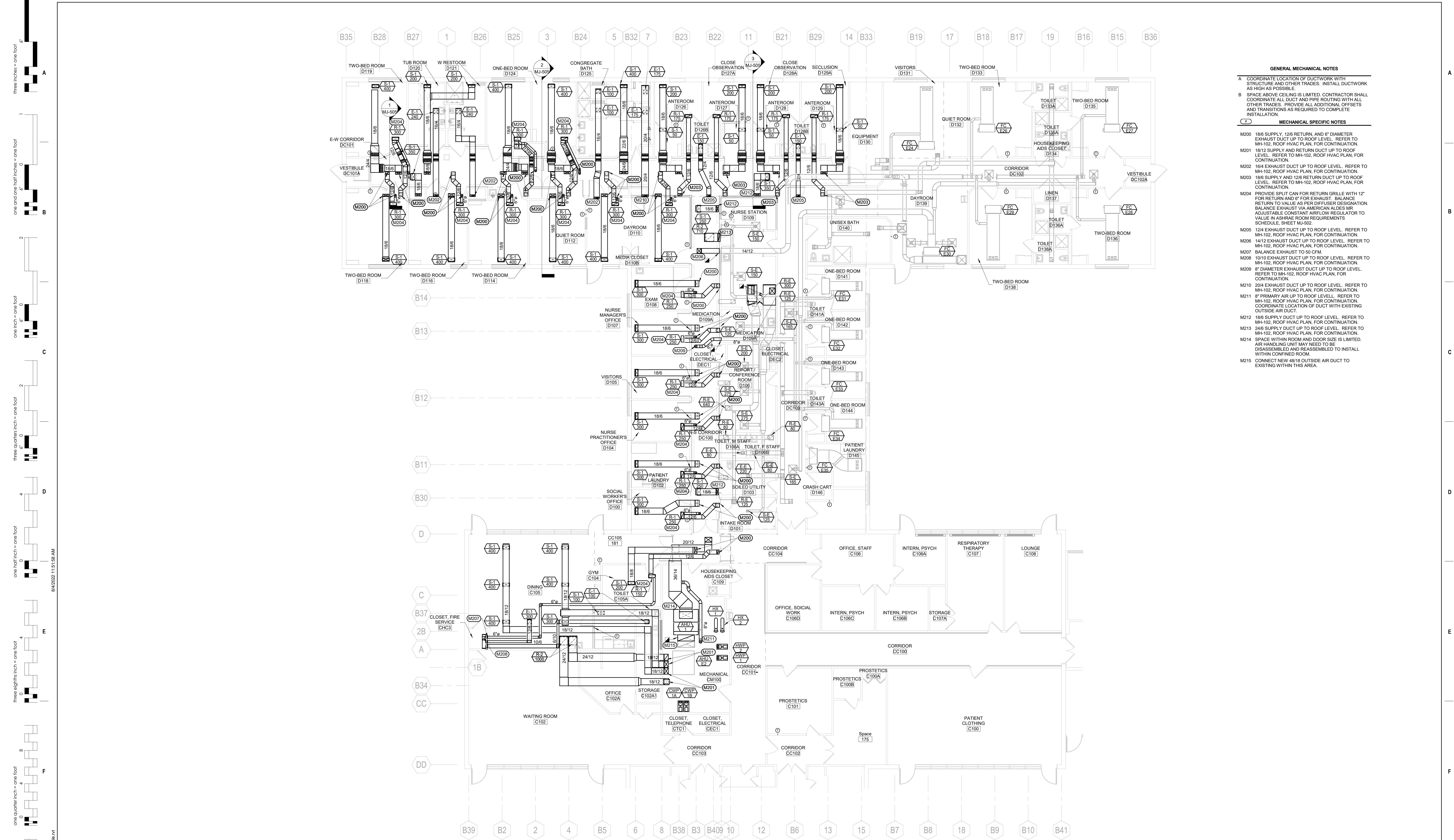
Checked: **MSH**

Drawn: **MMM/KJH**

Project Number: **VA #66-20-102 SGA #211937**

Building Number: **#148**

Drawing Number: **MP-102**



1 1ST LEVEL HVAC REMODEL PLAN
1/8" = 1'-0"

- GENERAL MECHANICAL NOTES**
- A COORDINATE LOCATION OF DUCTWORK WITH STRUCTURE AND OTHER TRADES. INSTALL DUCTWORK AS HIGH AS POSSIBLE.
 - B SPACE ABOVE CEILING IS LIMITED. CONTRACTOR SHALL COORDINATE ALL DUCT AND PIPE ROUTING WITH ALL OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AND TRANSITIONS AS REQUIRED TO COMPLETE INSTALLATION.
- MECHANICAL SPECIFIC NOTES**
- M200 18" SUPPLY, 12" RETURN, AND 6" DIAMETER EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M201 18" SUPPLY AND RETURN DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M202 16" EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M203 18" SUPPLY AND 12" RETURN DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M204 PROVIDE SPLIT CAN FOR RETURN GRILLE WITH 12" FOR RETURN AND 6" FOR EXHAUST. BALANCE RETURN TO VALUE AS PER DIFFUSER DESIGNATION. BALANCE EXHAUST VIA AMERICAN ALDES MR ADJUSTABLE CONSTANT AIRFLOW REGULATOR TO VALUE IN ASHRAE ROOM REQUIREMENTS SCHEDULE, SHEET MJ-502.
 - M205 12" EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M206 14" EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M207 BALANCE EXHAUST TO 50 CFM.
 - M208 10" EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M209 8" DIAMETER EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M210 20" EXHAUST DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M211 8" PRIMARY AIR UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION. COORDINATE LOCATION OF DUCT WITH EXISTING OUTSIDE AIR DUCT.
 - M212 18" SUPPLY DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M213 24" SUPPLY DUCT UP TO ROOF LEVEL. REFER TO MH-102, ROOF HVAC PLAN, FOR CONTINUATION.
 - M214 SPACE WITHIN ROOM AND DOOR SIZE IS LIMITED. AIR HANDLING UNIT MAY NEED TO BE DISASSEMBLED AND REASSEMBLED TO INSTALL WITHIN CONFINED ROOM.
 - M215 CONNECT NEW 48" OUTSIDE AIR DUCT TO EXISTING WITHIN THIS AREA.

three inches = one foot
 one and one half inches = one foot
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 VA FORM 08 - 6231

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:	STRUCTURAL:
WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-348-7455	Albertson Engineering, Inc. 3202 W. Main St., E.C. Rapid City, South Dakota 57702 Phone: 605-343-9600

ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

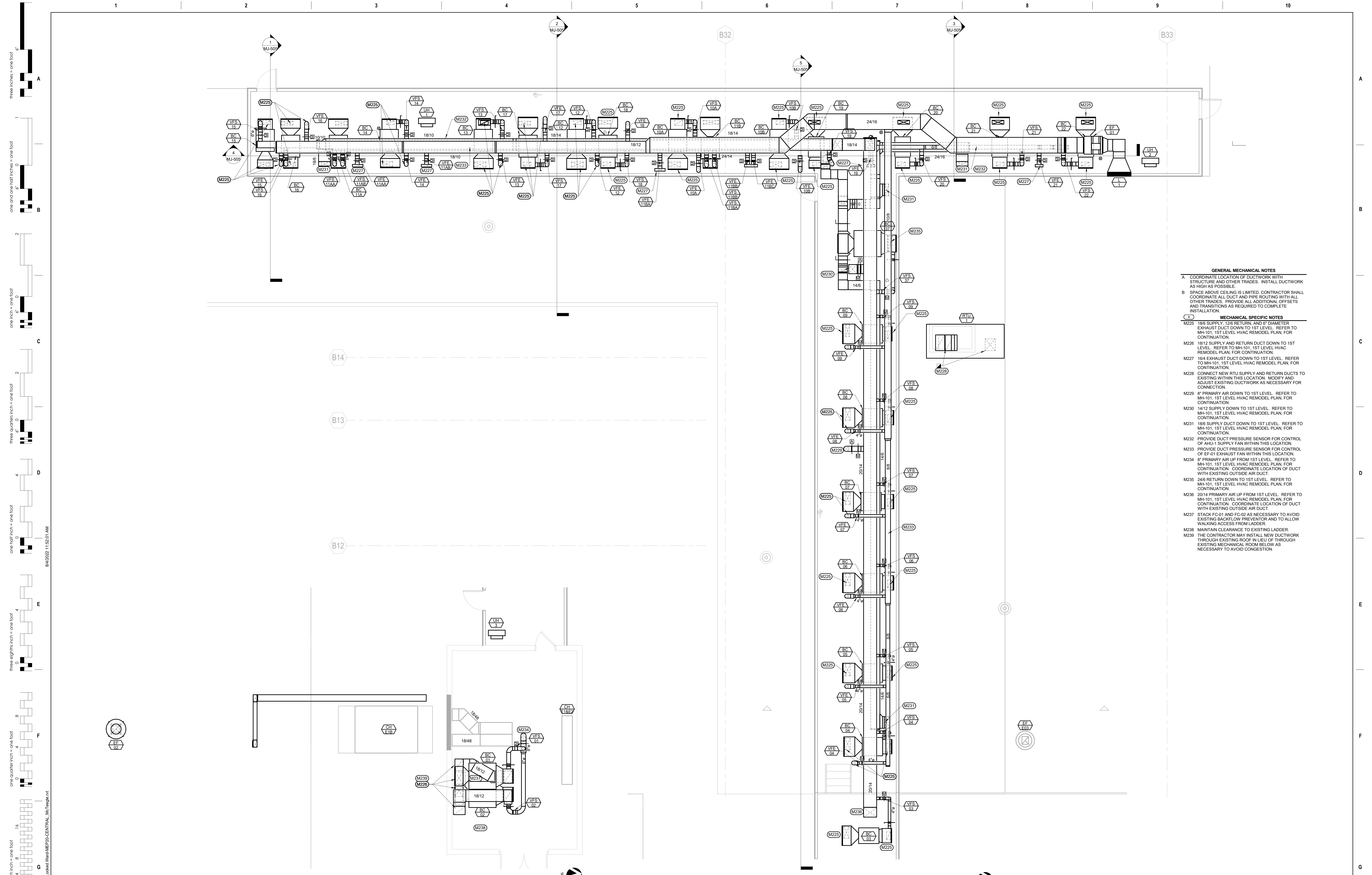
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

STAMP Drawing Title 1ST LEVEL HVAC REMODEL PLAN Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED
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Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD Location FORT MEADE, SOUTH DAKOTA Issue Date 08/05/2022	Project Number VA #66-20-102 SGA #211937 Building Number #148 Drawing Number MH-101
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Revision#	Description	Date:



- GENERAL MECHANICAL NOTES**
- A COORDINATE LOCATION OF DUCTWORK WITH STRUCTURE AND OTHER TRADES. INSTALL DUCTWORK AS HIGH AS POSSIBLE.
 - B SPACE ABOVE CEILING IS LIMITED. CONTRACTOR SHALL COORDINATE ALL DUCT AND PIPE ROUTING WITH ALL OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AND TRANSITIONS AS REQUIRED TO COMPLETE INSTALLATION.
- MECHANICAL SPECIFIC NOTES**
- M225 18/6 SUPPLY, 12/6 RETURN, AND 6" DIAMETER EXHAUST DUCT DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M226 18/12 SUPPLY AND RETURN DUCT DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M227 16/4 EXHAUST DUCT DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M228 CONNECT NEW RTU SUPPLY AND RETURN DUCTS TO EXISTING WITHIN THIS LOCATION. MODIFY AND ADJUST EXISTING DUCTWORK AS NECESSARY FOR CONNECTION.
 - M229 IF PRIMARY AIR DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M230 14/12 SUPPLY DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M231 18/6 SUPPLY DUCT DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M232 PROVIDE DUCT PRESSURE SENSOR FOR CONTROL OF AHU-1 SUPPLY FAN WITHIN THIS LOCATION.
 - M233 PROVIDE DUCT PRESSURE SENSOR FOR CONTROL OF EF-01 EXHAUST FAN WITHIN THIS LOCATION.
 - M234 IF PRIMARY AIR UP FROM 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION. COORDINATE LOCATION OF DUCT WITH EXISTING OUTSIDE AIR DUCT.
 - M235 24/6 RETURN DOWN TO 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION.
 - M236 20/14 PRIMARY AIR UP FROM 1ST LEVEL. REFER TO MH-101, 1ST LEVEL HVAC REMODEL PLAN, FOR CONTINUATION. COORDINATE LOCATION OF DUCT WITH EXISTING OUTSIDE AIR DUCT.
 - M237 STACK FC-01 AND FC-02 AS NECESSARY TO AVOID EXISTING BACKFLOW PREVENTOR AND TO ALLOW WALKING ACCESS FROM LADDER.
 - M238 MAINTAIN CLEARANCE TO EXISTING LADDER.
 - M239 THE CONTRACTOR MAY INSTALL NEW DUCTWORK THROUGH EXISTING ROOF IN LIEU OF THROUGH EXISTING MECHANICAL ROOM BELOW AS NECESSARY TO AVOID CONGESTION.

1 ROOF HVAC PLAN - SOUTH
1/4" = 1'-0"

2 ROOF HVAC PLAN
1/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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ARCHITECT OF RECORD

A/E:

STONE GROUP ARCHITECTS

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ROOF HVAC PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

Checked
MSH

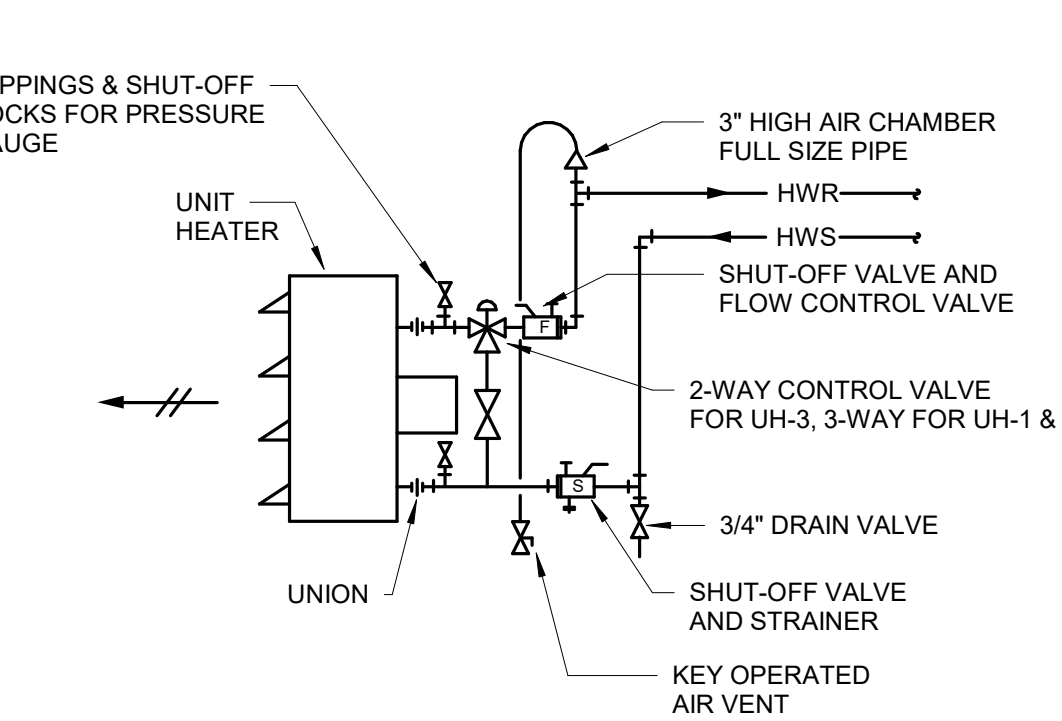
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MMM/KJH

Project Number
VA #66-20-102 SGA #211937

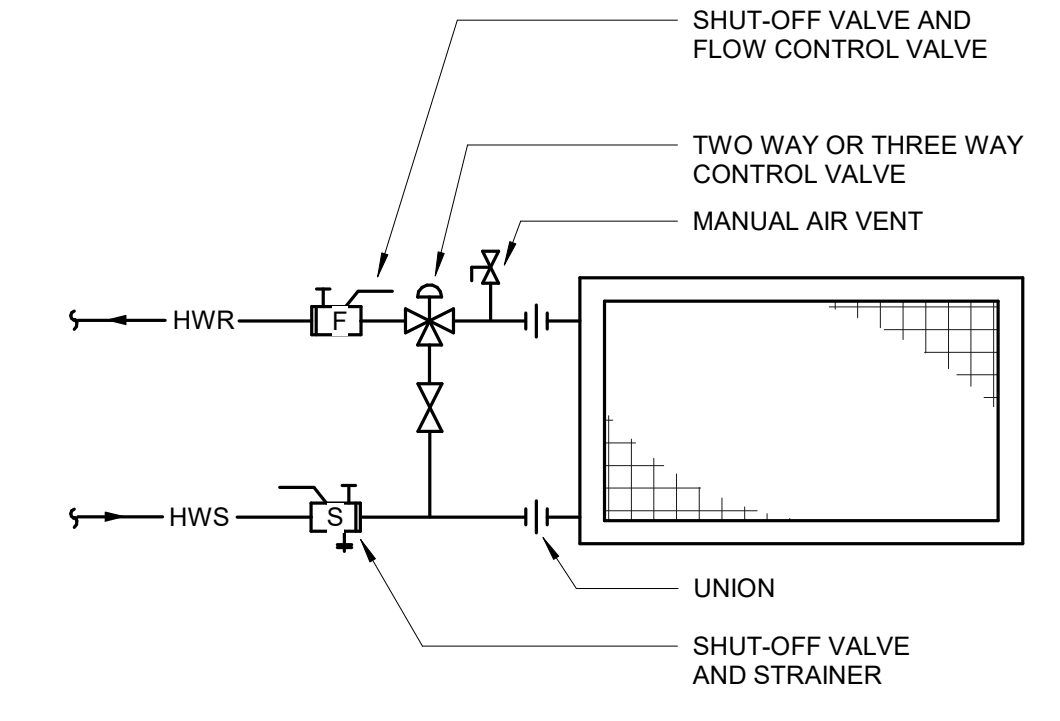
Building Number
#148

Drawing Number
MH-102

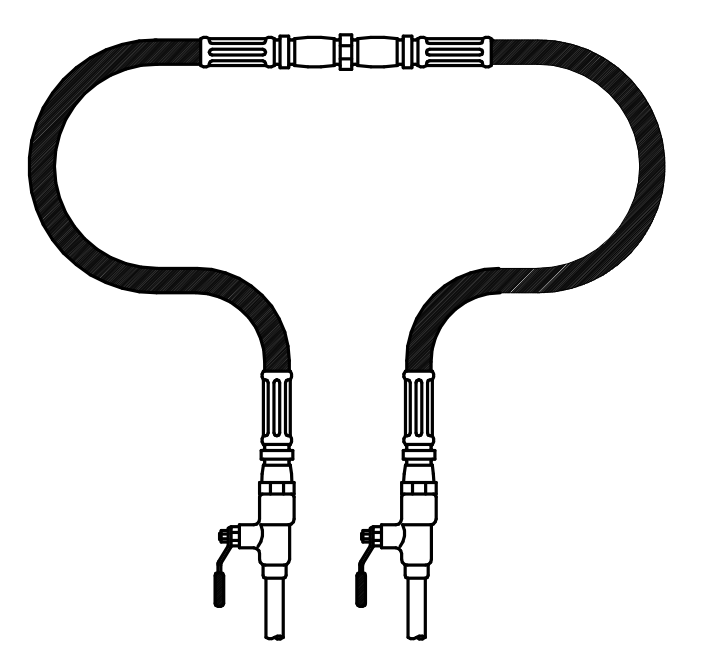
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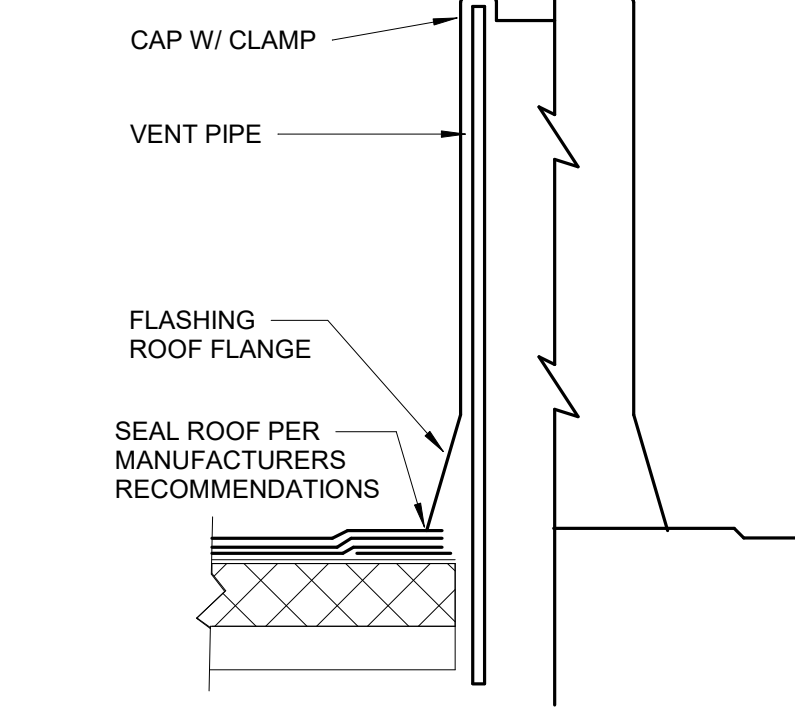
1 HOT WATER UNIT HEATER DETAIL
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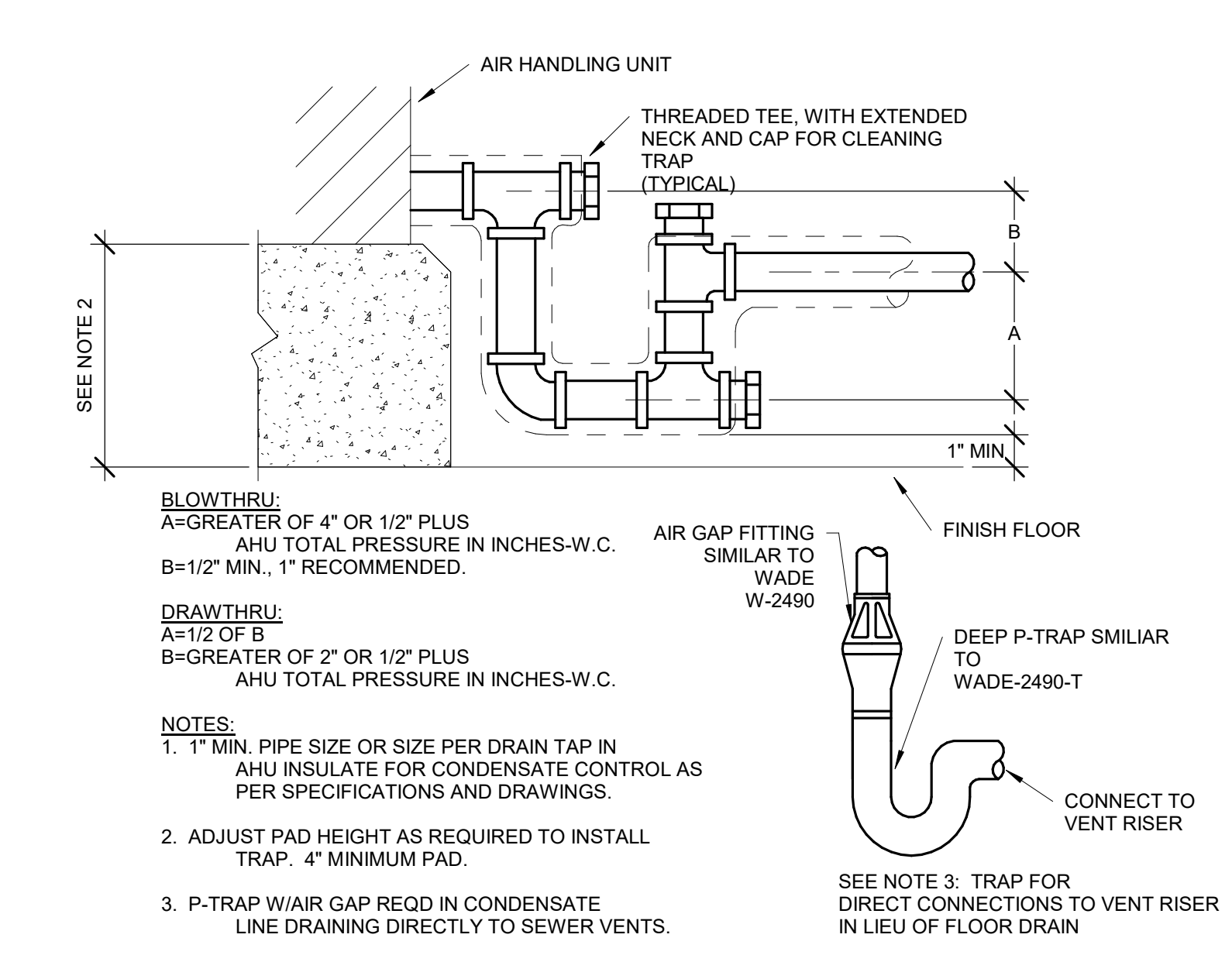
2 WATER COIL PIPING DETAIL
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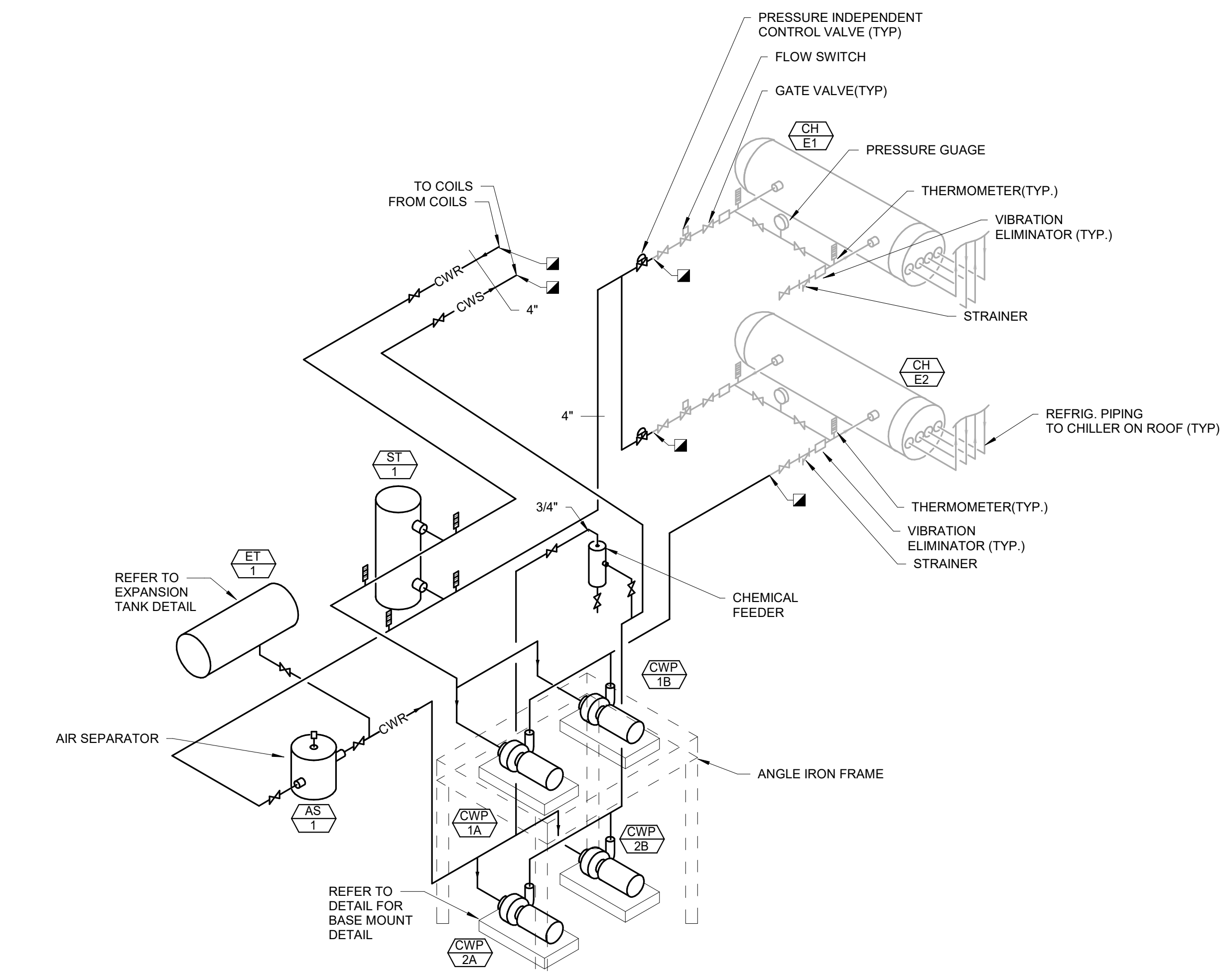
3 TEMPORARY CONNECTIONS FOR SYSTEM FLUSHING
NO SCALE



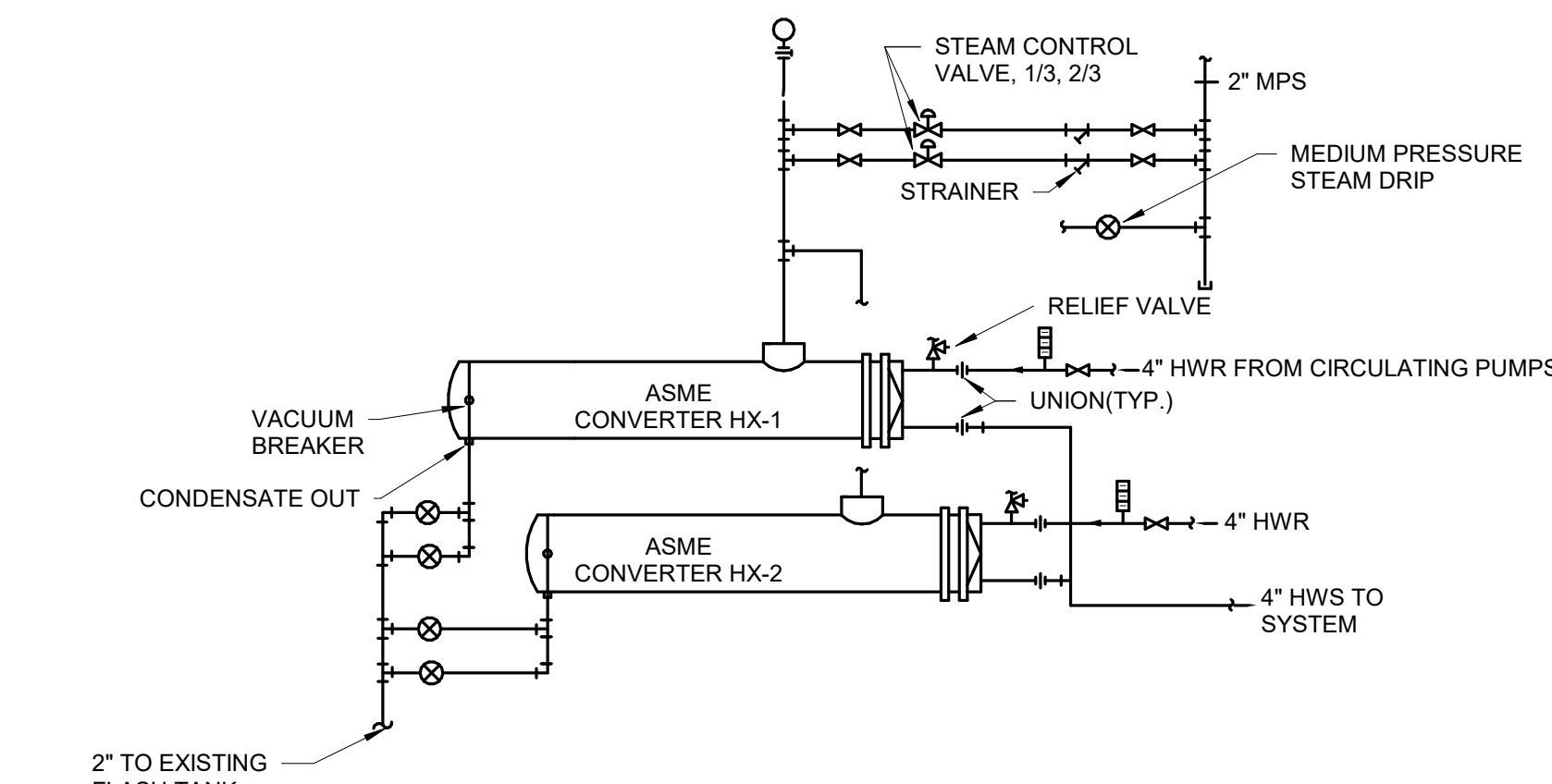
4 PLUMBING VENT DETAIL
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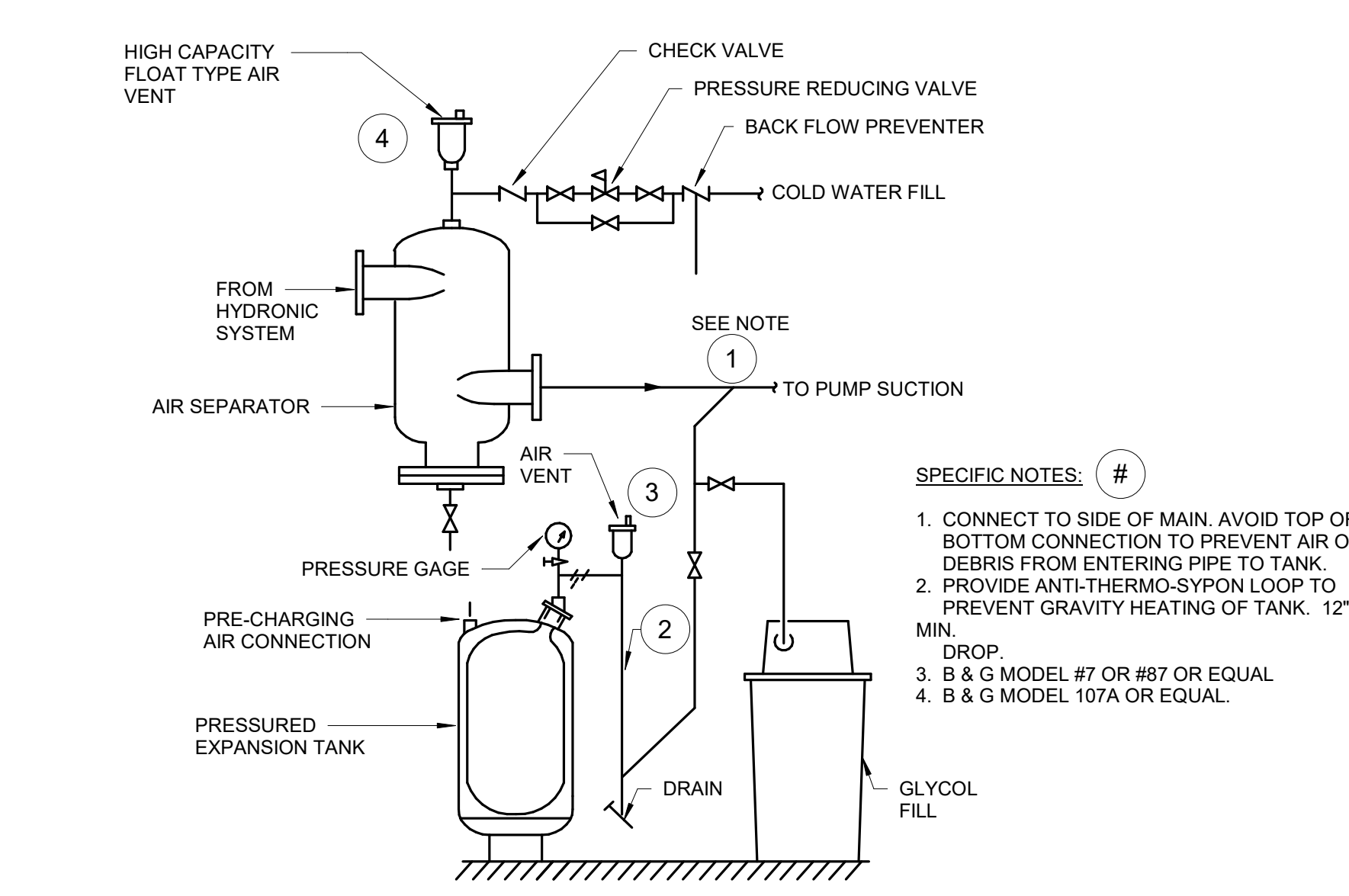
5 AHU DRAIN TRAP DETAIL
NO SCALE



6 CHILLED WATER PIPING SCHEMATIC
NO SCALE



7 CONVERTER SCHEMATIC
NO SCALE



8 VERTICAL DIAPHRAM EXPANSION TANK DETAIL
NO SCALE

Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD

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STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL DETAILS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

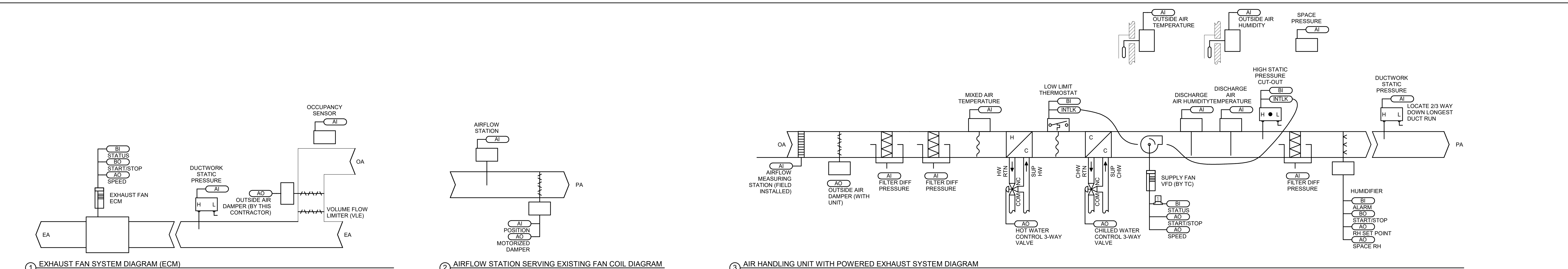
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MMMKJH

Project Number
VA #66-20-102 SGA #211937

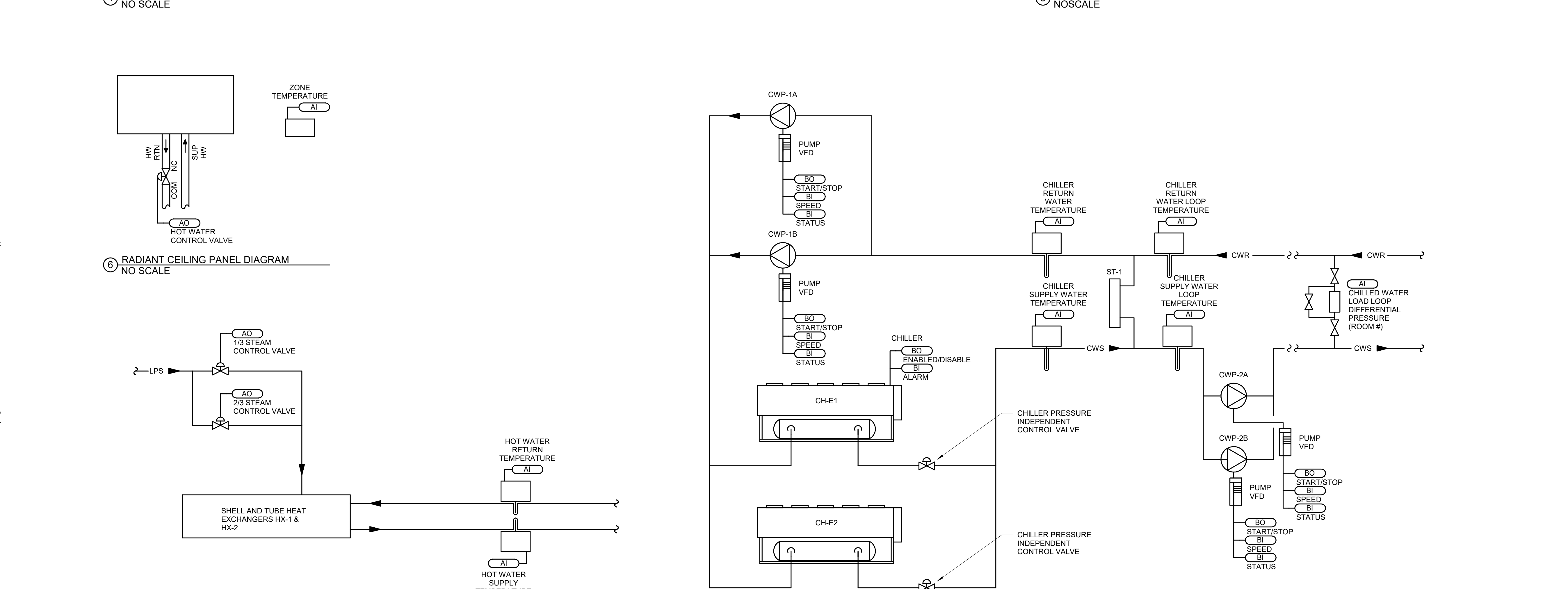
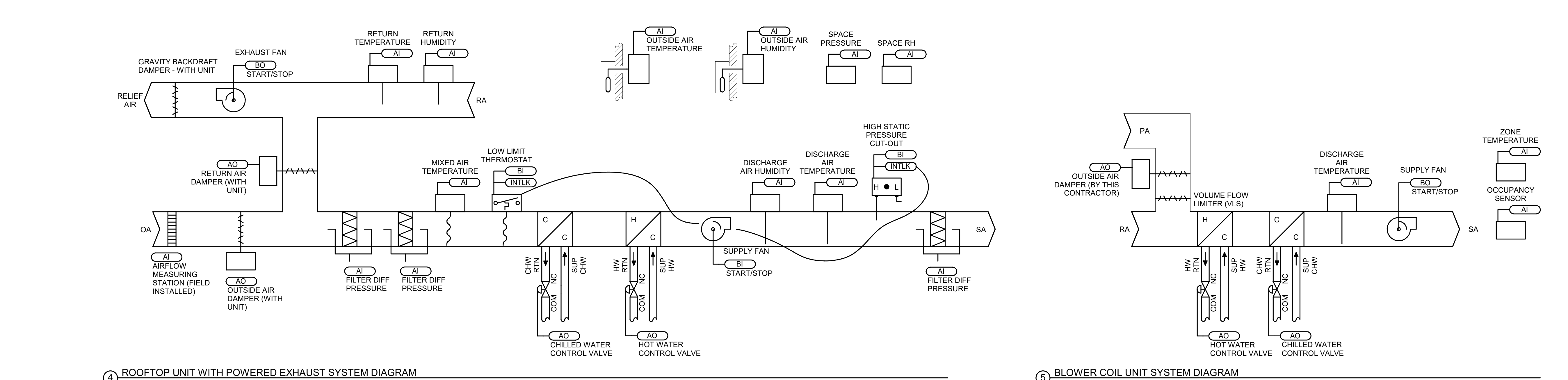
Building Number
#148

Drawing Number
MJ-501



SEQUENCE OF OPERATIONS FOR HVAC CONTROLS

- EXHAUST FANS**
- A. EF-01 and EF-02:
- These fans shall be interlocked to operate in conjunction with the associated fan coil units in the occupied mode. Occupied mode shall be based off of operation of the lights within the associated spaces.
 - For EF-01, a duct static pressure sensor shall modulate the ECM motor to maintain the duct static pressure.
 - For EF-02, the unit shall operate in conjunction with the occupied mode of the fan coils in the dining area.
 - The TC system shall initiate an alarm if the fan status doesn't match the command point.
- BLOWER COIL UNITS**
- A. Occupied Mode:
- Single temperature unit mounted thermostat set at 75 degrees F (adj) maintains constant space temperature by modulating two-way control heating valve and two-way or three-way cooling control valve depending on call for heating and/or cooling.
 - Provide three-way chilled water control valve for FC-16, 17, and 18.
 - During occupied operation, initiated via a relay or CT sensor (by this contractor) on the lighting circuit for the space, the BAS shall open the motorized dampers serving the VLS and VLE to provide fresh air and exhaust for the associated space. For the dining area, the exhaust fan shall be initiated in lieu of operating the VLE.
 - The dampers shall stay open a minimum of 1 hrs (adj) for offices and 5 hrs (adj) for patient rooms after lighting circuit to space is deactivated. The lengthened time for patient rooms will account for any patient occupancy while they are sleeping.
- B. Unoccupied Mode:
- Single temperature unit mounted thermostat set maintains a reduced space temperature by modulating two-way control heating valve and two-way cooling control valve depending on call for heating and/or cooling.
 - During unoccupied operation after the delay as stated above, the BAS shall close the motorized dampers serving the VLS and VLE to provide fresh air and exhaust for the associated space.
- RADIANT PANEL:**
- A. Occupied Mode:
- Single temperature unit mounted thermostat set at 75 degrees F (adj) maintains constant space temperature by modulating two-way control heating valve on call for heating.
- B. Unoccupied Mode:
- Single temperature unit mounted thermostat set maintains a reduced space temperature by modulating two-way control heating valve on call for heating.
- AIR FLOW STATIONS:**
- A. Occupied Mode:
- During occupied operation (based on a timeclock), the BAS shall modulate the motorized damper to maintain the outside airflow rate as per the airflow station (by this contractor).
- B. Unoccupied Mode:
- During unoccupied operation (based on a timeclock), the BAS shall close the associated motorized dampers for the spaces.
- VARIABLE VOLUME INDOOR AIR HANDLING UNIT (AHU-1):**
- A. During occupied operation, the BAS shall index the supply fan in the AHU to run continuously. Provide a current switch on fan and alarm BAS workstation when the fan fails to operate when called upon to do so.
- B. The BAS shall maintain the desired discharge air temperature by modulating the cooling and heating coil control valves. The BAS shall reset the discharge air temperature from 55 degrees F (summer) to 60 degrees F (winter).
- C. The BAS shall utilize an air flow measuring station installed remote from the AHU in the outside air ductwork to monitor the quantity of outside air.
- D. During unoccupied mode, the outside air damper shall be fully closed.
- E. Provide differential pressure sensors across AHU filter bank to monitor pressure drop and alarm BAS whenever the differential pressure exceeds 0.8" wc (adj).
- F. Provide freeze-stat downstream of the cooling coil to shut off supply fan whenever the temperature reaches 10F.
- G. Provide air temperature sensor upstream of the heating coil for monitoring only.
- H. A high duct static pressure switch, located in the supply air ductwork close to the AHU connection, shall stop the supply fan and send an alarm to the BAS operator workstation whenever the duct static pressure exceeds 3" w.g.
- I. The BAS, with its duct static pressure sensor located 2/3 the way down longest run of supply ductwork (refer to plans for locations), shall maintain the supply air static pressure by modulating the ECM motor on the AHU supply fan.
- J. Humidistats located in rooms D110 and DC101 shall signal the humidifier control valve to modulate as required to maintain a 30% relative humidity (adj).
- HEATING WATER ZONE CONTROL**
- A. VFD shall provide on/off indication.
- B. Control heating water supply temperature set at 140 degrees F (60 degrees C) in accordance with outdoor reset schedule by modulating steam control valve on the heat exchangers. The steam to hot water converters shall have a 1/3 valve and a 2/3 valve to control the heating water to the reset schedule.
- C. Control heating water at maximum 140 degrees F (60 degrees C) at outdoor temperature of -20 degrees F (-30 degrees C), and minimum 110 degrees F (45 degrees C) at outdoor temperature of 65 degrees F (19 degrees C), with straight line relationship between. Temperatures shall be adjustable.
- D. On outside temperatures above 65 degrees F (19 degrees C) (adj.), de-energize heating pumps and suppress alarm. The lead pump shall continue to operate for 5 minutes (adj.) following the de-energizing of the heating system to dissipate heat.
- HEATING LOOP CIRCULATING PUMPS:**
- A. The zone which cannot meet its heating setpoint shall signal the heating water pump to start.
- B. The zone shall have a rotating auto restart and auto leadlag. One of the two pumps shall operate continuously when a zone cannot maintain the heating setpoint. If one pump fails to operate or fails to start, the other pump shall start.
- C. Leadlag rotation shall be adjustable. Initial setting shall be the first Tuesday of the month at 10 am.
- D. Both pumps are operated on variable speed and will receive a 4 to 20 milliamp signal to maintain the dominate differential pressure setpoint. Refer to the plans for differential pressure sensor locations.
- E. Sensors, control wiring, and conduit shall be provided by this contractor.
- F. Variable Frequency Drive (Specified under Division 26) shall be by this contractor.
- G. Provide a flow meter/transmitter within the heating water loop in the mechanical room for determination of the building heating requirements.
- H. The TC system shall initiate an alarm if the VFD and pump status doesn't match the command point.
- I. Display:
- System graphic.
 - System supply temperature.
 - System supply control point adjustment.
 - System return temperature.
 - Pump on/off indication.
- CENTRAL REFRIGERATION SYSTEMS (AIR COOLED):**
- A. When the building has a call for cooling and the outside air temperature is above 65°F (adj.), energize the chilled water pumps and chillers.
- B. The chilled water loop pumps shall have a rotating auto restart and auto leadlag. One of the two secondary loop pumps shall operate continuously when a zone cannot maintain the cooling setpoint. If one pump fails to operate or fails to start, the other pump shall start.
- C. One of the (2) chillers and an associated primary chiller pump shall be able to maintain the chilled water loop supply water temperature at 48°F (adj.). Chiller discharge water temperature shall be set at 47°F (adj.). The pressure independent control valve serving the primary chiller shall modulate between 90 gpm (adj) and 120 gpm (adj) to maintain chilled water loop supply temperature. If the lead chiller is at maximum gpm and cannot maintain loop temperature, the lead chiller shall be disabled, both pumps shall be enabled, each pressure independent control valve shall be set to 90 gpm (adj), and then both chillers shall be enabled. Chilled water flow shall then be adjusted to a maximum of 120 gpm (adj) for each chiller as necessary to maintain the chilled water loop supply temperature.
- D. Maximum rate of change of the chilled water flow through the chiller shall be no more than 20% change per minute (adj.).
- E. Leadlag rotation shall be adjustable. Initial setting shall be the first Tuesday of the month at 10 am.
- F. Both pumps are operated on variable speed and will receive a 4 to 20 milliamp signal to maintain the dominate differential pressure setpoint.
- G. Variable Frequency Drive (Specified under Division 26) shall be by this contractor.
- H. Provide a flow meter/transmitter within the chilled water loop in the mechanical room for determination of the building cooling requirements.
- I. Sensors, control wiring, and conduit shall be provided by this contractor.
- J. The TC system shall initiate an alarm if the VFD and pump status doesn't match the command point.
- K. Display:
- System graphic.
 - System supply temperature.
 - System supply control point adjustment.
 - System return temperature.
 - Pump on/off indication.



<p>CONSULTANTS</p> <p>MECHANICAL / ELECTRICAL / PLUMBING:</p> <p>WPE</p> <p>West Plains Engineering, Inc. 1750 Rapid Road Rapid City, South Dakota 57702 Phone: 605-346-7455</p> <p>STRUCTURAL:</p> <p>THP</p> <p>Albertson Engineering, Inc. 3202 W. Main St. E. Rapid City, South Dakota 57702 Phone: 605-343-9809</p>		<p>ARCHITECT OF RECORD</p> <p>A/E:</p> <p>STONE GROUP ARCHITECTS</p>		<p>STAMP</p>	<p>Office of Construction and Facilities Management</p> <p>Approved:</p>	<p>Drawing Title</p> <p>MECHANICAL CONTROL DIAGRAMS</p> <p>Phase</p> <p>CONSTRUCTION DOCUMENTS</p> <p>Project Title</p> <p>VA FM UPGRADE MENTAL HEALTH LOCK WARD</p> <p>Location</p> <p>FORT MEADE, SOUTH DAKOTA</p> <p>Issue Date</p> <p>08/05/2022</p> <p>Checked</p> <p>Drawn</p> <p>Author</p>	<p>Project Number</p> <p>VA #65-24-102 SGA #211937</p> <p>Building Number</p> <p>#148</p> <p>Drawing Number</p> <p>MJ-502</p>
<p>Revision# Description Date:</p>							

UNIT HEATER SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, CFM, BTUH OUTPUT, GPM, EWT, LWT, WPD, EAT, % GLYCOL, HP, RPM, VOLTAGE, PHASES, COMMENTS.

LOUVER SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, FUNCTION, WIDTH, HEIGHT, CFM, S.P., FREE AIR VELOCITY, COMMENTS.

VOLUME FLOW LIMITER SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, SIZE, INLET DUCT SIZE, CFM, CFM MAXIMUM, CFM MINIMUM, COMMENTS.

PUMP SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, SERVICE, GPM, HEAD, IMPELLER SIZE, % GLYCOL, HP, VOLTAGE, PHASES, RPM, COMMENTS.

EXPANSION TANK SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, SERVICE, GALLONS TOTAL, GALLONS ACCEPT, LENGTH, DIAMETER, COMMENTS.

RADIANT PANEL SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, BTUH, GPM, AVERAGE WATER TEMPERATURE, AIR TEMPERATURE, PANEL LENGTH, PANEL WIDTH, COMMENTS.

ROOF TOP UNIT SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, CFM, MIN O.A.L. CFM, E.S.P., RPM, DX COOLING SECTION (EAT, CAP, MBH, % GLYCOL, AMB), ELECTRICAL (VOLTAGE, PHASES, MCA), COMMENTS.

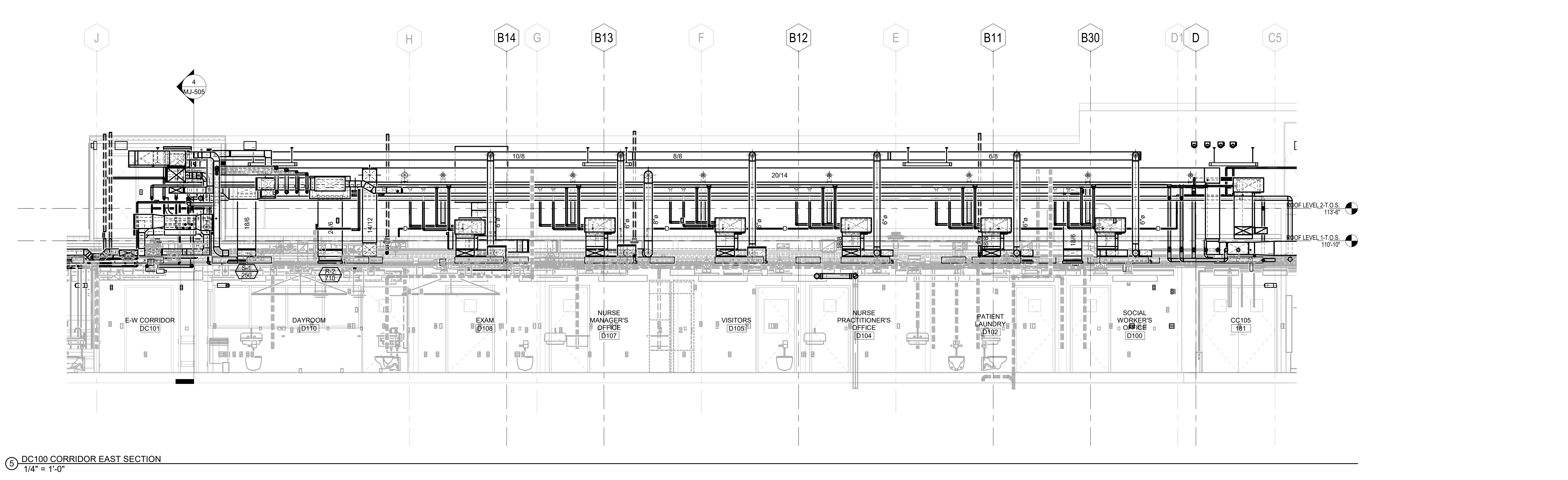
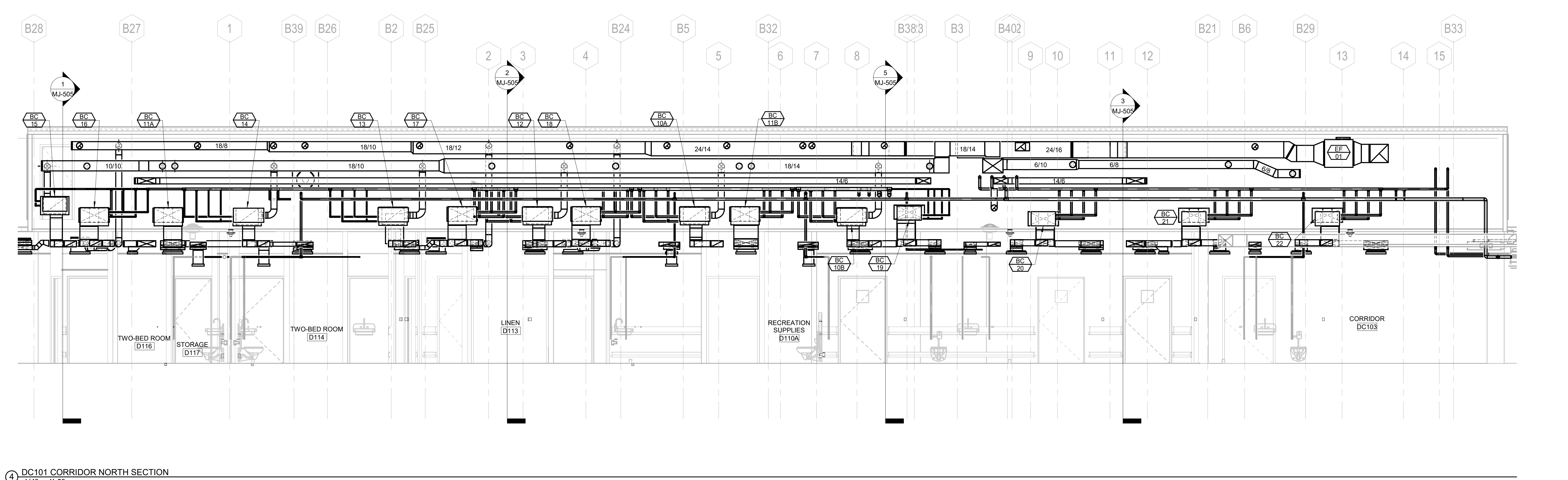
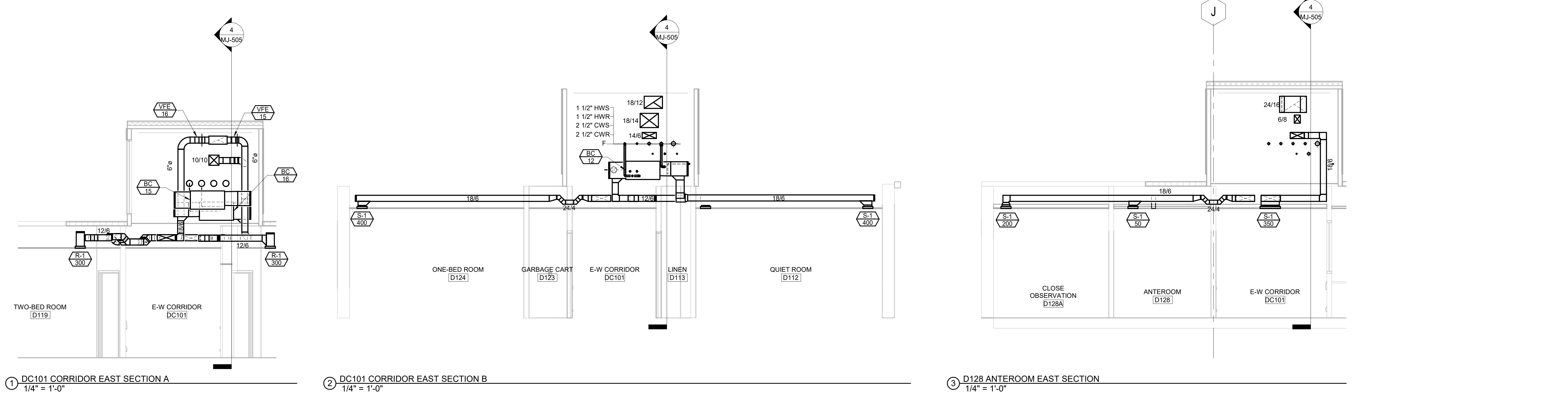
STEAM CONVERTER SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, SERVICE, GPM, WATER PRES. DROP, EWT, LWT, MBH, % GLYCOL, #R STEAM, STEAM PRES., FOULING FACTOR, AREA (SF), TRAP CAPACITY, COMMENTS.

TANK SCHEDULE table with columns: UNIT TYPE, UNIT NUMBER, MANUFACTURER, MODEL, LOCATION, SERVICE, TOTAL GALLONS, LENGTH, DIAMETER, COMMENTS.

Vertical scale markings on the left side of the page: three inches = one foot, one and one half inches = one foot, one inch = one foot, three quarters inch = one foot, one half inch = one foot, one quarter inch = one foot, one eighth inch = one foot.

Vertical scale markings on the right side of the page: A, B, C, D, E, F, G.

Project information and consultant details including: CONSULTANTS (MECHANICAL/ELECTRICAL/PLUMBING and STRUCTURAL), ARCHITECT OF RECORD (STONE GROUP ARCHITECTS), Office of Construction and Facilities Management, MECHANICAL SCHEDULES, CONSTRUCTION DOCUMENTS, FORT MEADE, SOUTH DAKOTA, and Project Number VA #66-20-102 SGA #211937 Building Number #148 Drawing Number MJ-504.



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- ELECTRICAL MISCELLANEOUS NOTES**
- A ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE BASED ON OWNER'S EXISTING PLANS AND ON-SITE REVIEW OF THE FACILITY. QUANTITIES, TYPES, AND LOCATIONS OF ITEMS SHOWN ARE BELIEVED TO BE ACCURATE. HOWEVER, THESE DRAWINGS ARE NOT ALL INCLUSIVE AS THE AREAS BEING DEMOLISHED AS PART OF THIS PROJECT WERE OCCUPIED AT THE TIME OF THE INVESTIGATION AND THERE MAY BE ITEMS THAT WERE HIDDEN BEHIND FURNITURE AND OTHER EQUIPMENT THAT COULD NOT BE SEEN. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DEMOLITION WHETHER SHOWN ON THESE PLANS OR NOT TO ACCOMMODATE THE WORK. THE ELECTRICAL CONTRACTOR SHALL CONDUCT THEIR OWN ON-SITE REVIEW OF THE EXISTING CONDITIONS PRIOR TO BIDDING. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND/OR RELOCATION OF ALL ITEMS TO ACCOMMODATE THE REMODEL PROJECT.
 - B ALL LAMPS IN EXISTING FIXTURES BEING DEMOLISHED SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH CURRENT REGULATIONS.
 - C THE VA SHALL HAVE FIRST RIGHTS TO SALVAGE ANY COMPONENTS. ALL ELECTRICAL ITEMS NOTED TO BE DEMOLISHED SHALL BE DISPOSED OF BY THE CONTRACTOR, IF THE OWNER DOES NOT WANT THEM, IN A MANNER THAT MEETS ALL REQUIRED CODES AND REGULATIONS.
 - D ELECTRICAL ITEMS SHOWN IN DARK OR DASHED PEN SHALL BE DEMOLISHED. ELECTRICAL ITEMS SHOWN IN LIGHT PEN ARE EXISTING TO REMAIN.
 - E EXISTING LIGHT FIXTURES SHOWN IN DARK/DASHED PEN SHALL BE DEMOLISHED. THE ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING CONDUIT AND CONDUCTOR THAT IS ABOVE THE CEILING TO ACCOMMODATE THE CEILING DEMOLITION AND RAISING OF THE CEILING TO 9'-0". THE ELECTRICAL CONTRACTOR SHALL REWIRE ALL OF THE LIGHTING TO ACCOMMODATE THE NEW CEILING HEIGHT. THE NEW LIGHTING SHALL BE RECONNECTED TO THE EXISTING CIRCUITS THAT IS CURRENTLY POWERING THE EXISTING LIGHTING. EXISTING LIGHT FIXTURE CONTROLS SHALL REMAIN AND SHALL BE RECONNECTED TO THE NEW LIGHTING TO MAINTAIN HOW THE EXISTING LIGHTING IS CURRENTLY CONTROLLED. NEW CONDUIT AND CONDUCTOR SHALL BE PROVIDED AS REQUIRED.
 - F ALL CONDUIT, CONDUCTOR, AND CABLE INSTALLED ABOVE THE CEILING SHALL BE DEMOLISHED TO ALLOW FOR EXISTING CEILING DEMOLITION AND INSTALLATION OF A NEW HARD INACCESSIBLE CEILING. EXISTING ELECTRICAL AND SIGNAL ITEMS THAT ARE REMAINING SHALL BE REWIRE/RE-CABLED TO ACCOMMODATE THE NEW CEILING AND HEIGHT. EXISTING PANELBOARD SCHEDULES HAVE BEEN PROVIDED FOR REFERENCE.

- ELECTRICAL SPECIFIC NOTES**
- E001 EXISTING EXTERIOR LIGHT FIXTURE IS TO REMAIN IN PLACE. THE ELECTRICAL CONTRACTOR SHALL ENSURE POWER TO AND CONTROL OF LIGHT FIXTURE REMAINS. THE ELECTRICAL CONTRACTOR SHALL REWIRE AS NECESSARY TO ACCOMMODATE INTERIOR CEILING REPLACEMENT AND RAISING.
 - E002 EXISTING OCCUPANCY SENSOR IS TO BE REMOVED TO ACCOMMODATE CEILING DEMOLITION AND RAISING. OCCUPANCY SENSOR SHALL BE REINSTALLED AND REWIRED TO CONTROL NEW LIGHTING AFTER NEW CEILING INSTALLATION.

1 1ST LEVEL LIGHTING DEMOLITION PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
WPE
 West Plains Engineering, Inc.
 1750 Rand Road
 Rapid City, South Dakota 57702
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ARCHITECT OF RECORD

AE:

STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL LIGHTING DEMOLITION PLAN

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

Checked
MKV

Drawn
VLS

Project Number
VA #568-20-102 SGA #211937

Building Number
#148

Drawing Number
ED-101



- ELECTRICAL MISCELLANEOUS NOTES**
- A ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE BASED ON OWNER'S EXISTING PLANS AND ON-SITE REVIEW OF THE FACILITY. QUANTITIES, TYPES, AND LOCATIONS OF ITEMS SHOWN ARE BELIEVED TO BE ACCURATE. HOWEVER, THESE DRAWINGS ARE NOT ALL INCLUSIVE AS THE AREAS BEING DEMOED AS PART OF THIS PROJECT WERE OCCUPIED AT THE TIME OF THE INVESTIGATION AND THERE MAY BE ITEMS THAT WERE HIDDEN BEHIND FURNITURE AND OTHER EQUIPMENT THAT COULD NOT BE SEEN. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DEMOLITION WHETHER SHOWN ON THESE PLANS OR NOT TO ACCOMMODATE THE WORK. THE ELECTRICAL CONTRACTOR SHALL CONDUCT THEIR OWN ON-SITE REVIEW OF THE EXISTING CONDITIONS PRIOR TO BIDDING. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND/OR RELOCATION OF ALL ITEMS TO ACCOMMODATE THE REMODEL PROJECT.
 - B ALL LAMPS IN EXISTING FIXTURES BEING DEMOED SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH CURRENT REGULATIONS.
 - C THE VA SHALL HAVE FIRST RIGHTS TO SALVAGE ANY COMPONENTS. ALL ELECTRICAL ITEMS NOTED TO BE DEMOED SHALL BE DISPOSED OF BY THE CONTRACTOR, IF THE OWNER DOES NOT WANT THEM, IN A MANNER THAT MEETS ALL REQUIRED CODES AND REGULATIONS.
 - D ELECTRICAL ITEMS SHOWN IN DARK OR DASHED PEN SHALL BE DEMOLISHED. ELECTRICAL ITEMS SHOWN IN LIGHT PEN ARE EXISTING TO REMAIN.
 - E ALL CONDUIT, CONDUCTOR, AND CABLE INSTALLED ABOVE THE CEILING SHALL BE DEMOLISHED TO ALLOW FOR EXISTING CEILING DEMOLITION AND INSTALLATION OF A NEW HARD INACCESSIBLE CEILING. EXISTING ELECTRICAL AND SIGNAL ITEMS THAT ARE REMAINING SHALL BE REWIRE/DISCONNECTED TO ACCOMMODATE THE NEW CEILING AND HEIGHT. EXISTING PANEL BOARD SCHEDULES HAVE BEEN PROVIDED FOR REFERENCE.
- ELECTRICAL SPECIFIC NOTES**
- E009 DISCONNECT EXISTING HVAC EQUIPMENT SO THAT IT CAN BE REMOVED. DEMOLISH CONDUIT AND CONDUCTOR FEEDING HVAC UNIT BACK TO THE SOURCE.

1 1ST LEVEL POWER DEMOLITION PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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ARCHITECT OF RECORD
 A/E:
STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL POWER DEMOLITION PLAN

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

Checked
MKV

Drawn
VLS

Project Number
VA #568-20-102 SGA #211937

Building Number
#148

Drawing Number
ED-102



- GENERAL NOTE**
- A ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE BASED ON OWNER'S EXISTING PLANS AND ON-SITE REVIEW OF THE FACILITY. QUANTITIES, TYPES AND LOCATIONS OF ITEMS SHOWN ARE BELIEVED TO BE ACCURATE. HOWEVER, THESE DRAWINGS ARE NOT ALL INCLUSIVE AS THE AREAS BEING DEMOLISHED AS PART OF THIS PROJECT WERE OCCUPIED AT THE TIME OF THE INVESTIGATION AND THERE MAY BE ITEMS THAT WERE NOT OBSERVED. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ITEMS TO BE DEMOLISHED PRIOR TO BIDDING. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND/OR RELOCATION OF ALL ITEMS TO ACCOMMODATE THE REMODEL PROJECT.
 - B ALL LAMPS IN EXISTING FIXTURES BEING DEMOLISHED SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH CURRENT REGULATIONS.
 - C THE VA SHALL HAVE FIRST RIGHTS TO SALVAGE ANY COMPONENTS. ALL ELECTRICAL ITEMS NOTED TO BE DEMOLISHED SHALL BE DISPOSED OF BY THE CONTRACTOR, IF THE OWNER DOES NOT WANT THEM IN A MANNER THAT MEETS ALL REQUIRED CODES AND REGULATIONS.
 - D ELECTRICAL DATA, AND SIGNAL ITEMS SHOWN IN DARK OR DASHED PEN SHALL BE DEMOLISHED OR TREATED AS OTHERWISE NOTED. ELECTRICAL AND SIGNAL ITEMS SHOWN IN LIGHT PEN ARE EXISTING TO REMAIN.
 - E ALL CONDUIT, CONDUCTOR, AND CABLE INSTALLED ABOVE THE CEILING SHALL BE EXPOSED TO ALLOW FOR EXISTING CEILING DEMOLITION AND INSTALLATION OF A NEW HANG ACCESSIBLE CEILING. EXISTING ELECTRICAL AND SIGNAL ITEMS THAT ARE REMAINING SHALL BE REWIRED/RECEABLE TO ACCOMMODATE THE NEW CEILING AND HEIGHT. EXISTING PANEL BOARD SCHEDULES HAVE BEEN PROVIDED FOR REFERENCE.
 - F EXISTING OPEN CABLE TO EXISTING SIGNAL AND DATA DEVICES INSTALLED ABOVE THE EXISTING CEILING SHALL BE DEMOLISHED AND NEW CABLE SHALL BE REINSTALLED TO EXISTING SIGNAL AND DATA DEVICES OR RACEWAY. THE NEW CEILING BEING INSTALLED WILL BE INACCESSIBLE.
 - G EXISTING CCTV CAMERAS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING SHALL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. THESE CAMERAS HAVE BEEN SHOWN IN DARK OR DASHED PEN.
 - H THE NUMBER OF CABLE DROPS TO EXISTING DATA AND COMMUNICATIONS JACKS HAS BEEN IDENTIFIED BY A NUMBER NEXT TO EACH JACK.
 - I EXISTING CEILING MOUNTED WIRELESS ACCESS POINTS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING SHALL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. THESE HAVE BEEN SHOWN IN DARK OR DASHED PEN.
 - J EXISTING CEILING MOUNTED FIRE ALARM DEVICES AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING SHALL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. THESE HAVE BEEN SHOWN IN DARK OR DASHED PEN.
 - K EXISTING CEILING MOUNTED SPEAKERS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING SHALL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. THESE HAVE BEEN SHOWN IN DARK OR DASHED PEN. REFER TO ELECTRICAL MISCELLANEOUS NOTE "J" ON SHEET EY-401 FOR ADDITIONAL INFORMATION.
 - L EXISTING CLOCKS WITHIN THE AREA OF WORK SHALL BE REMOVED. NEW CLOCKS WILL BE INSTALLED.

- ELECTRICAL SPECIFIC NOTES**
- E003 PORTION OF EXISTING CABLE TRAY SHALL BE DEMOLISHED TO ACCOMMODATE CEILING REPLACEMENT.
 - E004 THIS PORTION OF THE EXISTING CABLE TRAY CAN REMAIN. CABLE TRAY CAN BE UTILIZED FOR CABLE RUNS WHERE ABOVE ACCESSIBLE CEILING.
 - E005 EXISTING CCTV CAMERA IS TO REMAIN IN PLACE. THE ELECTRICAL CONTRACTOR SHALL ENSURE CAMERA REMAINS IN SERVICE. THE ELECTRICAL CONTRACTOR SHALL RE-CEABLE TO ACCOMMODATE THE INTERIOR CEILING REPLACEMENT AND RAISING.
 - E006 EXISTING CCTV CAMERA IS TO REMAIN IN PLACE. THE ELECTRICAL CONTRACTOR SHALL ENSURE POWER TO AND CONTROL REMAINS. THE ELECTRICAL CONTRACTOR SHALL RE-CEABLE AS NECESSARY TO ACCOMMODATE INTERIOR CEILING REPLACEMENT AND RAISING.
 - E007 EXISTING NURSE CALL DEVICE IS TO REMAIN IN PLACE. THE ELECTRICAL CONTRACTOR SHALL ENSURE NURSE CALL DEVICE REMAINS IN SERVICE. THE ELECTRICAL CONTRACTOR SHALL RE-CEABLE AS NECESSARY TO ACCOMMODATE THE INTERIOR CEILING REPLACEMENT AND RAISING.

1SDT LEVEL SIGNAL DEMOLITION PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

MECHANICAL / ELECTRICAL / PLUMBING:
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ARCHITECT OF RECORD
 A/E:
STONE GROUP ARCHITECTS

STAMP

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

Drawing Title
1ST LEVEL SIGNAL DEMOLITION PLAN

Phase
CONSTRUCTION DOCUMENTS

Location
FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD

Location
FORT MEADE, SOUTH DAKOTA

Issue Date
08/05/2022

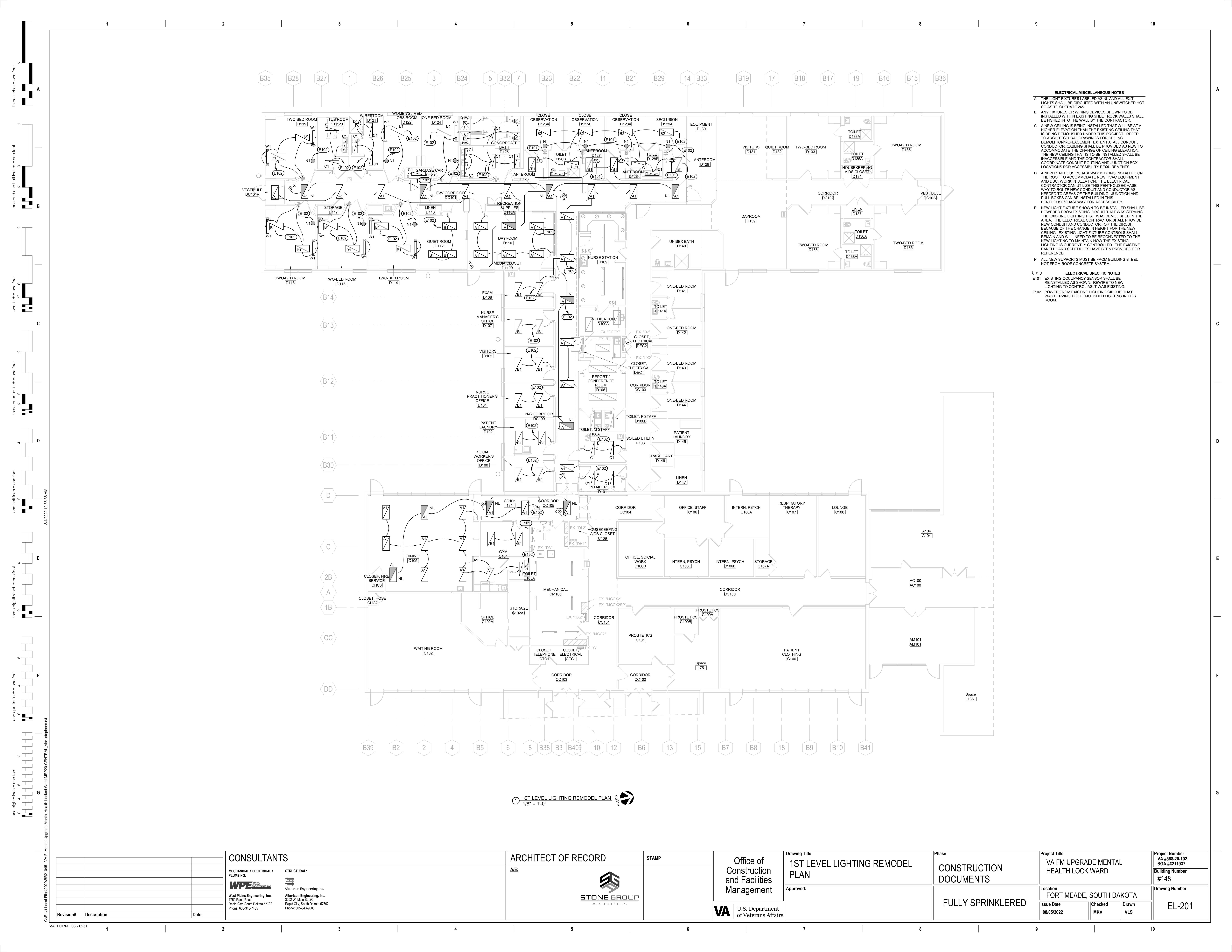
Checked
MKV

Drawn
VLS

Project Number
VA #568-20-102 SGA #211937

Building Number
#148

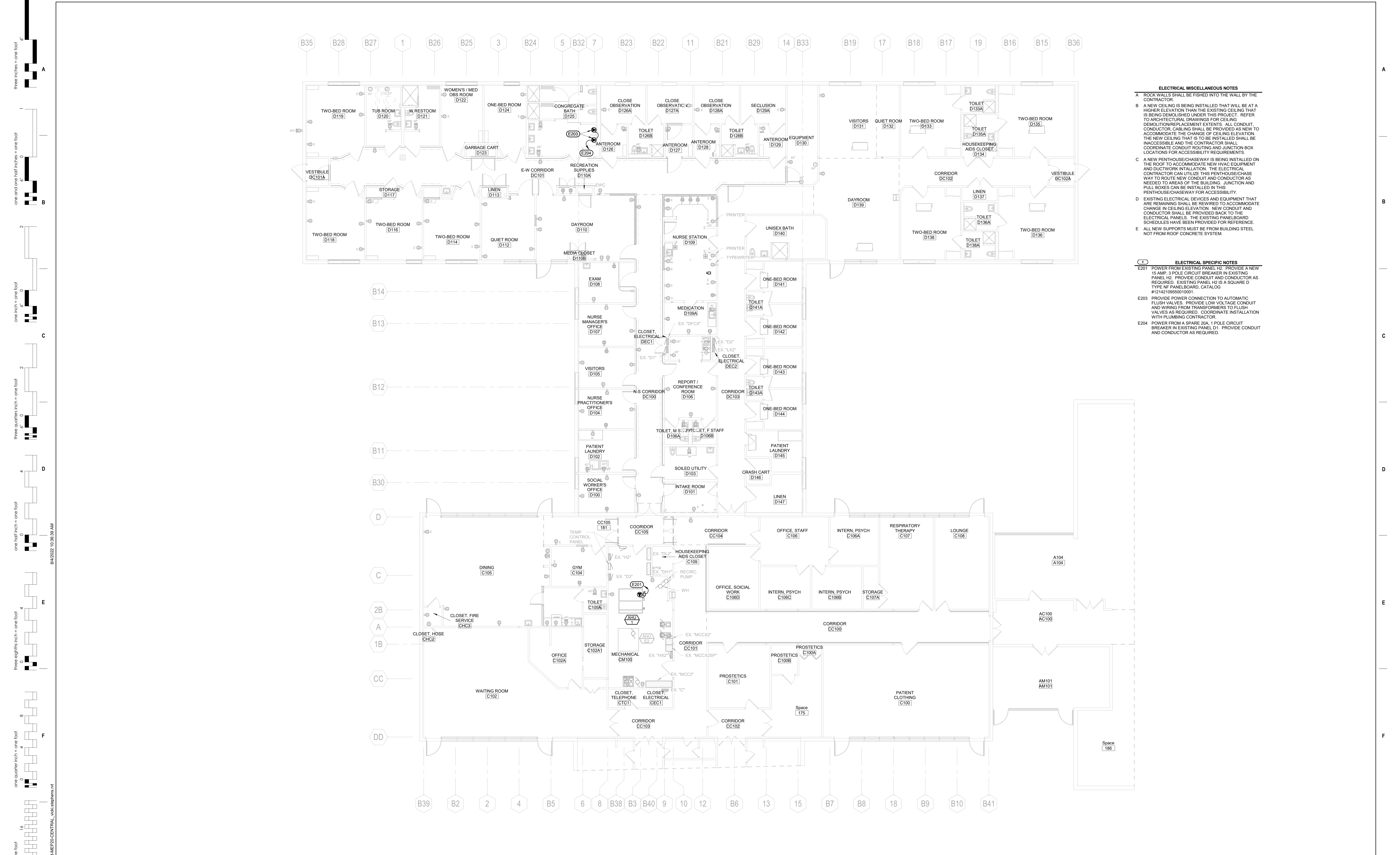
Drawing Number
ED-103



- ELECTRICAL MISCELLANEOUS NOTES**
- A THE LIGHT FIXTURES LABELED AS NL AND ALL EXIT LIGHTS SHALL BE CIRCUITED WITH AN UNSWITCHED HOT SO AS TO OPERATE 24/7.
 - B ANY FIXTURES OR WIRING DEVICES SHOWN TO BE INSTALLED WITHIN EXISTING SHEET ROCK WALLS SHALL BE FISHED INTO THE WALL BY THE CONTRACTOR.
 - C A NEW CEILING IS BEING INSTALLED THAT WILL BE AT A HIGHER ELEVATION THAN THE EXISTING CEILING THAT IS BEING DEMOLISHED UNDER THIS PROJECT. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING DEMOLITION/REPLACEMENT EXTENTS. ALL CONDUIT, CONDUCTOR, CABLEING SHALL BE PROVIDED AS NEW TO ACCOMMODATE THE CHANGE OF CEILING ELEVATION. THE NEW CEILING THAT IS TO BE INSTALLED SHALL BE INACCESSIBLE AND THE CONTRACTOR SHALL COORDINATE CONDUIT ROUTING AND JUNCTION BOX LOCATIONS FOR ACCESSIBILITY REQUIREMENTS.
 - D A NEW PENTHOUSE/CHASEWAY IS BEING INSTALLED ON THE ROOF TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK INSTALLATION. THE ELECTRICAL CONTRACTOR CAN UTILIZE THIS PENTHOUSE/CHASEWAY TO ROUTE NEW CONDUIT AND CONDUCTOR AS NEEDED TO AREAS OF THE BUILDING. JUNCTION AND PULL BOXES CAN BE INSTALLED IN THIS PENTHOUSE/CHASEWAY FOR ACCESSIBILITY.
 - E NEW LIGHT FIXTURE SHOWN TO BE INSTALLED SHALL BE POWERED FROM EXISTING CIRCUIT THAT WAS SERVING THE EXISTING LIGHTING THAT WAS DEMOLISHED IN THE AREA. THE ELECTRICAL CONTRACTOR SHALL PROVIDE NEW CONDUIT AND CONDUCTOR FOR THE CIRCUIT BECAUSE OF THE CHANGE IN HEIGHT FOR THE NEW CEILING. EXISTING LIGHT FIXTURE CONTROLS SHALL REMAIN AND WILL NEED TO BE RECONNECTED TO THE NEW LIGHTING TO MAINTAIN HOW THE EXISTING LIGHTING IS CURRENTLY CONTROLLED. THE EXISTING PANELBOARD SCHEDULES HAVE BEEN PROVIDED FOR REFERENCE.
 - F ALL NEW SUPPORTS MUST BE FROM BUILDING STEEL NOT FROM ROOF CONCRETE SYSTEM.
- ELECTRICAL SPECIFIC NOTES**
- E101 EXISTING OCCUPANCY SENSOR SHALL BE REINSTALLED AS SHOWN. REWIRE TO NEW LIGHTING TO CONTROL AS IT WAS EXISTING.
 - E102 POWER FROM EXISTING LIGHTING CIRCUIT THAT WAS SERVING THE DEMOLISHED LIGHTING IN THIS ROOM.

1 1ST LEVEL LIGHTING REMODEL PLAN
1/8" = 1'-0"

CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-340-7450		STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., 8C Rapid City, South Dakota 57702 Phone: 605-340-8600		ARCHITECT OF RECORD A/E: STONE GROUP ARCHITECTS		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title: 1ST LEVEL LIGHTING REMODEL PLAN Approved:		Phase: CONSTRUCTION DOCUMENTS FULLY SPRINKLERED		Project Title: VA FM UPGRADE MENTAL HEALTH LOCK WARD Location: FORT MEADE, SOUTH DAKOTA		Project Number: VA #568-20-102 SGA #211937 Building Number: #148 Drawing Number: EL-201									
<table border="1"> <thead> <tr> <th>Revision#</th> <th>Description</th> <th>Date:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Revision#	Description	Date:																			
Revision#	Description	Date:																					



- ELECTRICAL MISCELLANEOUS NOTES**
- A ROCK WALLS SHALL BE FISHED INTO THE WALL BY THE CONTRACTOR.
 - B A NEW CEILING IS BEING INSTALLED THAT WILL BE AT A HIGHER ELEVATION THAN THE EXISTING CEILING THAT IS BEING DEMOLISHED UNDER THIS PROJECT. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING DEMOLITION/REPLACEMENT EXTENTS. ALL CONDUIT, CONDUCTOR, CABLE SHALL BE PROVIDED AS NEW TO ACCOMMODATE THE CHANGE OF CEILING ELEVATION. THE NEW CEILING THAT IS TO BE INSTALLED SHALL BE ACCESSIBLE AND THE CONTRACTOR SHALL COORDINATE CONDUIT ROUTING AND JUNCTION BOX LOCATIONS FOR ACCESSIBILITY REQUIREMENTS.
 - C A NEW PENTHOUSE CHASEWAY IS BEING INSTALLED ON THE ROOF TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK INSTALLATION. THE ELECTRICAL CONTRACTOR CAN UTILIZE THIS PENTHOUSE CHASEWAY TO ROUTE NEW CONDUIT AND CONDUCTOR AS NEEDED TO AREAS OF THE BUILDING. JUNCTION AND PULL BOXES CAN BE INSTALLED IN THIS PENTHOUSE CHASEWAY FOR ACCESSIBILITY.
 - D EXISTING ELECTRICAL DEVICES AND EQUIPMENT THAT ARE REMAINING SHALL BE REWIRED TO ACCOMMODATE CHANGE IN CEILING ELEVATION. NEW CONDUIT AND CONDUCTOR SHALL BE PROVIDED BACK TO THE ELECTRICAL PANELS. THE EXISTING PANELBOARD SCHEDULES HAVE BEEN PROVIDED FOR REFERENCE.
 - E ALL NEW SUPPORTS MUST BE FROM BUILDING STEEL NOT FROM ROOF CONCRETE SYSTEM.
- ELECTRICAL SPECIFIC NOTES**
- E201 POWER FROM EXISTING PANEL H2. PROVIDE A NEW 15 AMP, 3 POLE CIRCUIT BREAKER IN EXISTING PANEL H2. PROVIDE CONDUIT AND CONDUCTOR AS REQUIRED. EXISTING PANEL H2 IS A SQUARE D TYPE NF PANELBOARD, CATALOG #121421065001001.
 - E203 PROVIDE POWER CONNECTION TO AUTOMATIC FLUSH VALVES. PROVIDE LOW VOLTAGE CONDUIT AND WIRING FROM TRANSFORMERS TO FLUSH VALVES AS REQUIRED. COORDINATE INSTALLATION WITH PLUMBING CONTRACTOR.
 - E204 POWER FROM A SPARE 20A, 1 POLE CIRCUIT BREAKER IN EXISTING PANEL D1. PROVIDE CONDUIT AND CONDUCTOR AS REQUIRED.

1 1ST LEVEL POWER REMODEL PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD
 A/E:
STONE GROUP ARCHITECTS

STAMP

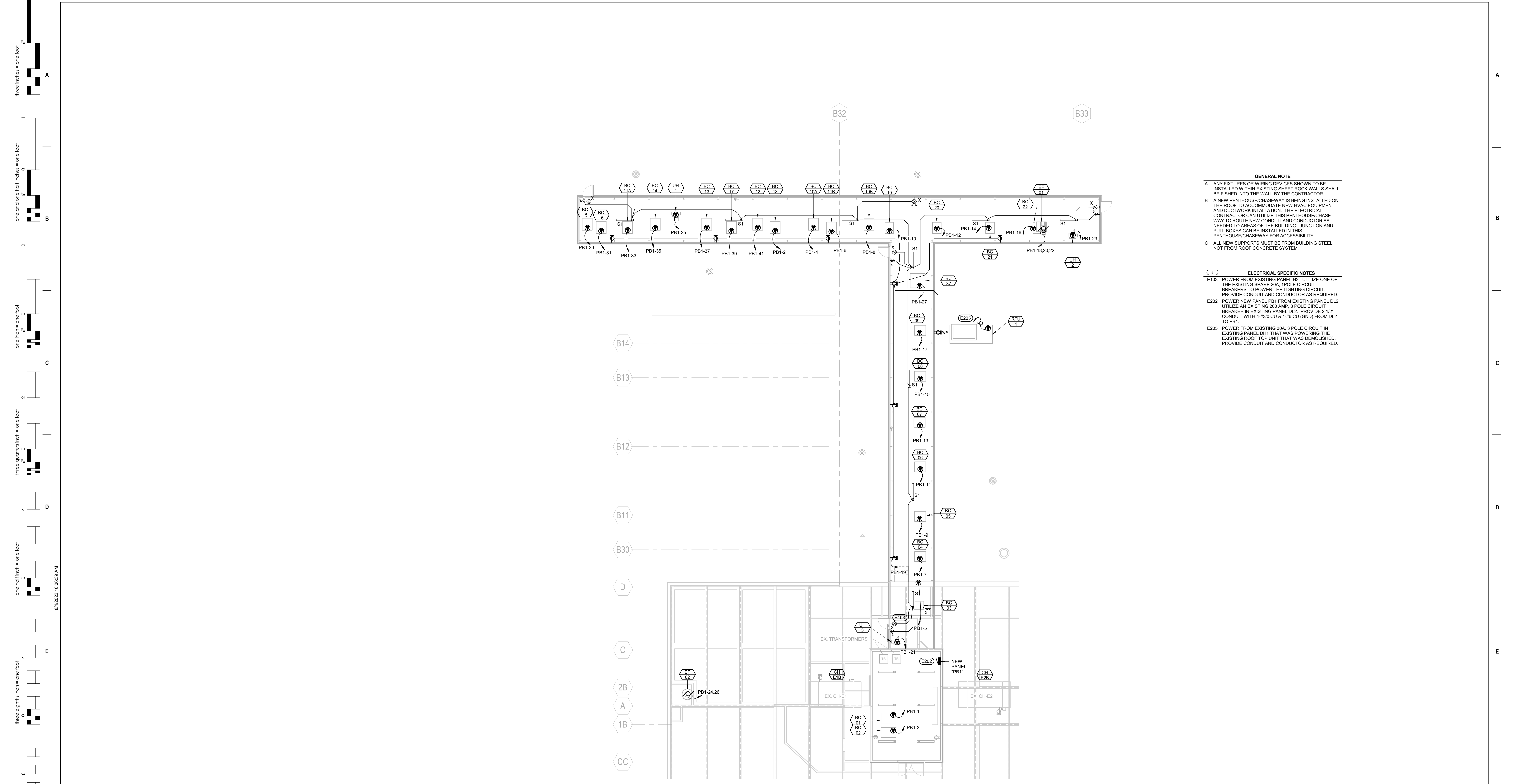
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
1ST LEVEL POWER REMODEL PLAN
 Approved:

Phase
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
VA FM UPGRADE MENTAL HEALTH LOCK WARD
 Location
FORT MEADE, SOUTH DAKOTA
 Issue Date
08/05/2022
 Checked
MKV
 Drawn
VLS

Project Number
VA #568-20-102 SGA #211937
 Building Number
#148
 Drawing Number
EP-301



GENERAL NOTE

A ANY FIXTURES OR WIRING DEVICES SHOWN TO BE INSTALLED WITHIN EXISTING SHEET ROCK WALLS SHALL BE FISHED INTO THE WALL BY THE CONTRACTOR.

B A NEW PENTHOUSE CHASEWAY IS BEING INSTALLED ON THE ROOF TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK INSTALLATION. THE ELECTRICAL CONTRACTOR CAN UTILIZE THIS PENTHOUSE CHASEWAY TO ROUTE NEW CONDUIT AND CONDUCTOR AS NEEDED TO AREAS OF THE BUILDING. JUNCTION AND PULL BOXES CAN BE INSTALLED IN THIS PENTHOUSE CHASEWAY FOR ACCESSIBILITY.

C ALL NEW SUPPORTS MUST BE FROM BUILDING STEEL NOT FROM ROOF CONCRETE SYSTEM.

ELECTRICAL SPECIFIC NOTES

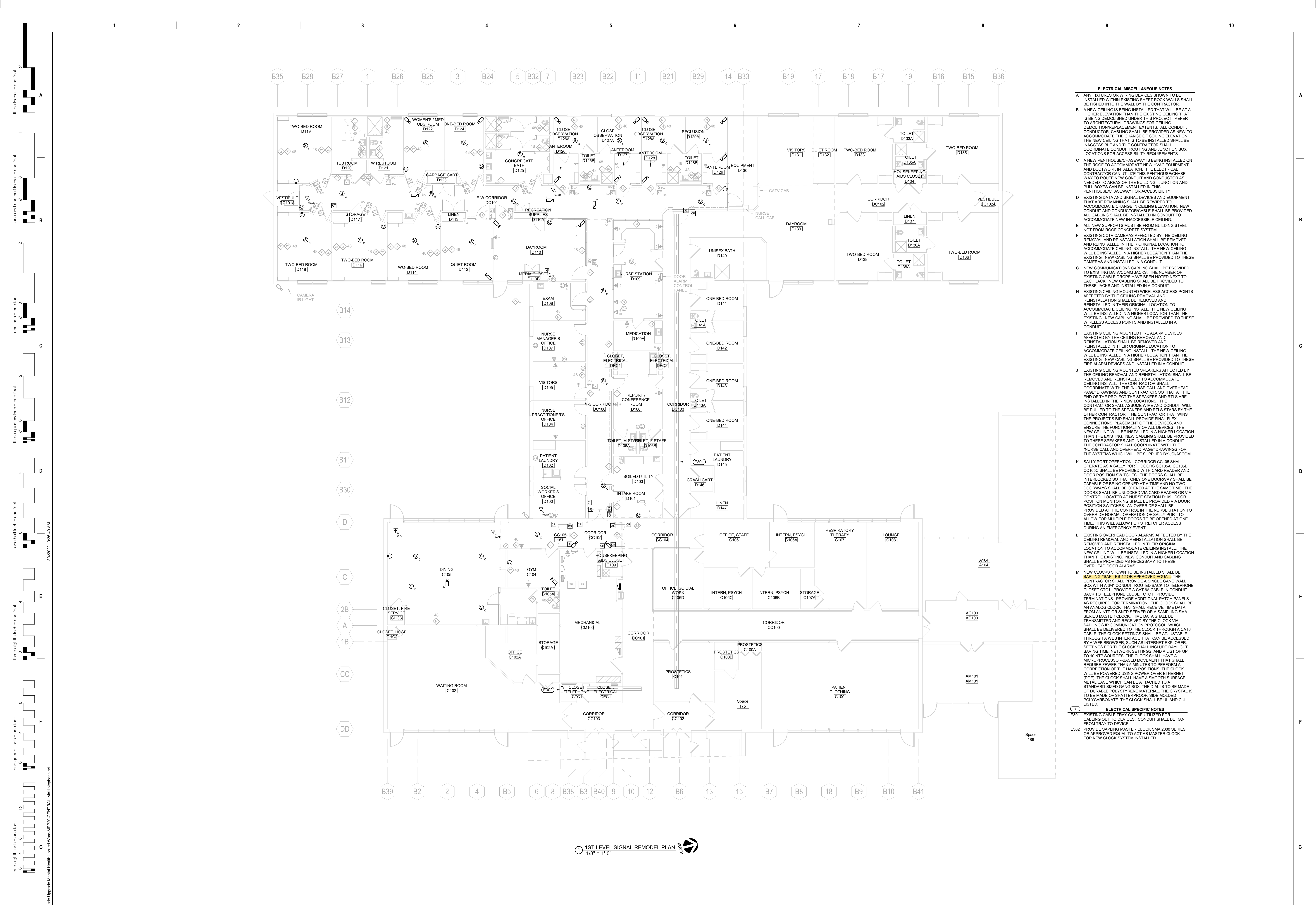
E103 POWER FROM EXISTING PANEL H2. UTILIZE ONE OF THE EXISTING SPARE 20A, 1POLE CIRCUIT BREAKERS TO POWER THE LIGHTING CIRCUIT. PROVIDE CONDUIT AND CONDUCTOR AS REQUIRED.

E202 POWER NEW PANEL PB1 FROM EXISTING PANEL DL2. UTILIZE AN EXISTING 200 AMP, 3 POLE CIRCUIT BREAKER IN EXISTING PANEL DL2. PROVIDE 2 1/2" CONDUIT WITH 4#30 CU & 1#6 CU (GND) FROM DL2 TO PB1.

E205 POWER FROM EXISTING 30A, 3 POLE CIRCUIT IN EXISTING PANEL DH1 THAT WAS POWERING THE EXISTING ROOF TOP UNIT THAT WAS DEMOLISHED. PROVIDE CONDUIT AND CONDUCTOR AS REQUIRED.

1 ROOF ELECTRICAL PLAN
1/8" = 1'-0"

<p>Revision# Description Date:</p>	<p>CONSULTANTS</p> <p>MECHANICAL / ELECTRICAL / PLUMBING: West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-345-7455</p>	<p>STRUCTURAL: Albertson Engineering, Inc. 2022 W. Main St., EC Rapid City, South Dakota 57702 Phone: 605-343-8600</p>	<p>ARCHITECT OF RECORD</p> <p>A/E: STONE GROUP ARCHITECTS</p>	<p>STAMP</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title ROOF ELECTRICAL PLAN</p> <p>Approved:</p>	<p>Phase CONSTRUCTION DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title VA FM UPGRADE MENTAL HEALTH LOCK WARD</p> <p>Location FORT MEADE, SOUTH DAKOTA</p> <p>Issue Date 08/05/2022</p> <p>Checked MKV</p> <p>Drawn VLS</p>	<p>Project Number VA #568-20-102 SGA #211937</p> <p>Building Number #148</p> <p>Drawing Number EP-302</p>
	<p>VA FORM 08 - 6231</p>								



ELECTRICAL MISCELLANEOUS NOTES

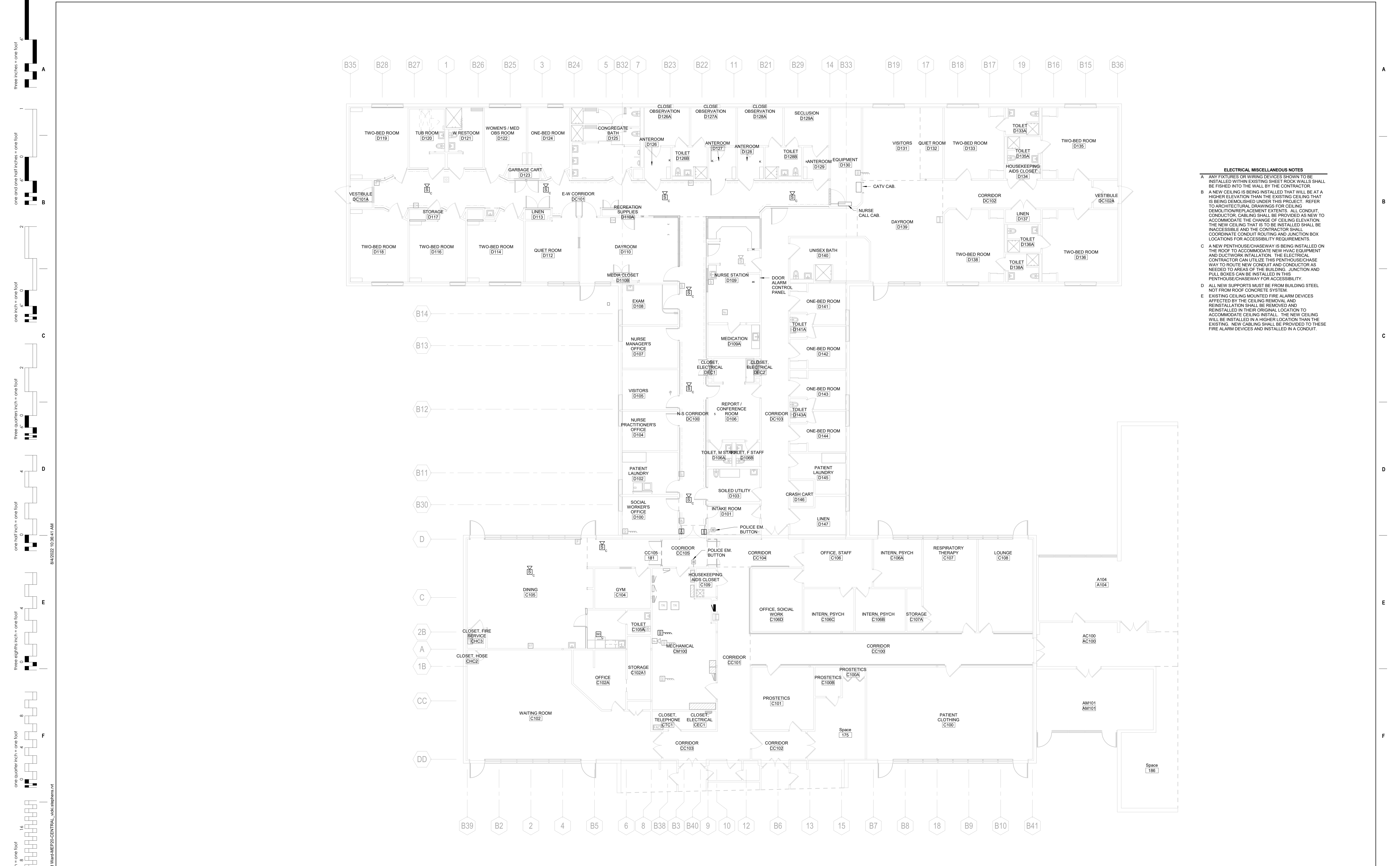
- A ANY FIXTURES OR WIRING DEVICES SHOWN TO BE INSTALLED WITHIN EXISTING SHEET ROCK WALLS SHALL BE FISHERD INTO THE WALL BY THE CONTRACTOR.
- B A NEW CEILING IS BEING INSTALLED THAT WILL BE AT A HIGHER ELEVATION THAN THE EXISTING CEILING THAT IS BEING DEMOLISHED UNDER THIS PROJECT. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING DEMOLITION/REPLACEMENT EXTENTS. ALL CONDUIT, CONDUCTOR, CABLEING SHALL BE PROVIDED AS NEW TO ACCOMMODATE THE CHANGE OF CEILING ELEVATION. THE NEW CEILING THAT IS TO BE INSTALLED SHALL BE INACCESSIBLE AND THE CONTRACTOR SHALL COORDINATE CONDUIT ROUTING AND JUNCTION BOX LOCATIONS FOR ACCESSIBILITY REQUIREMENTS.
- C A NEW PENTHOUSE/CHASEWAY IS BEING INSTALLED ON THE ROOF TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK INSTALLATION. THE ELECTRICAL CONTRACTOR CAN UTILIZE THIS PENTHOUSE/CHASEWAY TO ROUTE NEW CONDUIT AND CONDUCTOR AS NEEDED TO AREAS OF THE BUILDING. JUNCTION AND PULL BOXES CAN BE INSTALLED IN THIS PENTHOUSE/CHASEWAY FOR ACCESSIBILITY.
- D EXISTING DATA AND SIGNAL DEVICES AND EQUIPMENT THAT ARE REMAINING SHALL BE REWIRED TO ACCOMMODATE CHANGE IN CEILING ELEVATION. NEW CONDUIT AND CONDUCTOR/CABLE SHALL BE PROVIDED. ALL CABLEING SHALL BE INSTALLED IN CONDUIT TO ACCOMMODATE NEW INACCESSIBLE CEILING.
- E ALL NEW SUPPORTS MUST BE FROM BUILDING STEEL NOT FROM ROOF CONCRETE SYSTEM.
- F EXISTING CCTV CAMERAS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CABLEING SHALL BE PROVIDED TO THESE CAMERAS AND INSTALLED IN A CONDUIT.
- G NEW COMMUNICATIONS CABLEING SHALL BE PROVIDED TO EXISTING DATA/COMM JACKS. THE NUMBER OF EXISTING CABLE DROPS HAVE BEEN NOTED NEW TO EACH JACK. NEW CABLEING SHALL BE PROVIDED TO THESE JACKS AND INSTALLED IN A CONDUIT.
- H EXISTING CEILING MOUNTED WIRELESS ACCESS POINTS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CABLEING SHALL BE PROVIDED TO THESE WIRELESS ACCESS POINTS AND INSTALLED IN A CONDUIT.
- I EXISTING CEILING MOUNTED FIRE ALARM DEVICES AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CABLEING SHALL BE PROVIDED TO THESE FIRE ALARM DEVICES AND INSTALLED IN A CONDUIT.
- J EXISTING CEILING MOUNTED SPEAKERS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED TO ACCOMMODATE CEILING INSTALL. THE CONTRACTOR SHALL COORDINATE WITH THE NURSE CALL AND OVERHEAD PAGE DRAWINGS AND CONTRACTOR, SO THAT AT THE END OF THE PROJECT THE SPEAKERS AND RTLS ARE INSTALLED IN THEIR NEW LOCATIONS. THE CONTRACTOR SHALL ASSUME WIRE AND CONDUIT WILL BE PULLED TO THE SPEAKERS AND RTLS STARS BY THE PROJECT'S BID SHALL PROVIDE FINAL WIRE CONNECTIONS, PLACEMENT OF THE DEVICES, AND ENSURE THE FUNCTIONALITY OF ALL DEVICES. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CABLEING SHALL BE PROVIDED TO THESE SPEAKERS AND INSTALLED IN A CONDUIT. THE CONTRACTOR SHALL COORDINATE WITH THE "NURSE CALL AND OVERHEAD PAGE" DRAWINGS FOR THE SYSTEMS WHICH WILL BE SUPPLIED BY JCI/ASCOM.
- K SALLY PORT OPERATION: CORRIDOR CC105 SHALL OPERATE AS A SALLY PORT. DOORS CC105A, CC105B, CC105C SHALL BE PROVIDED WITH CARD READERS AND DOOR POSITION SWITCHES. THE DOORS SHALL BE INTERLOCKED SO THAT ONLY ONE DOORWAY SHALL BE CAPABLE OF BEING OPENED AT A TIME AND NO TWO DOORWAYS SHALL BE OPENED AT THE SAME TIME. THE DOORS SHALL BE UNLOCKED VIA CABLE RELEASE CONTROL LOCATED AT NURSE STATION D109. DOOR POSITION MONITORING SHALL BE PROVIDED VIA DOOR POSITION SWITCHES. AN OVERRIDE SHALL BE PROVIDED AT THE CONTROL IN THE NURSE STATION TO OVERRIDE NORMAL OPERATION OF SALLY PORTS TO ALLOW FOR MULTIPLE DOORS TO BE OPENED AT ONE TIME. THIS WILL ALLOW FOR STRETCHER ACCESS DURING AN EMERGENCY EVENT.
- L EXISTING OVERHEAD DOOR ALARMS AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CONDUIT AND CABLEING SHALL BE PROVIDED AS NECESSARY TO THESE OVERHEAD DOOR ALARMS.
- M NEW CLOCKS SHOWN TO BE INSTALLED SHALL BE SAMPUNG 854P-185-12 OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE A SINGLE GANG WALL BOX WITH A 3/4" CONDUIT ROUTED BACK TO TELEPHONE CLOSET (C101). PROVIDE A CAT 6A CABLE IN CONDUIT BACK TO TELEPHONE CLOSET (C101). PROVIDE TERMINATIONS. PROVIDE ADDITIONAL PATCH PANELS AS REQUIRED FOR TERMINATION. THE CLOCK SHALL BE AN ANALOG CLOCK THAT SHALL RECEIVE TIME DATA FROM AN NTP OR SNTP SERVER OR A SAMPLING SMA SERIES MASTER CLOCK. TIME DATA SHALL BE TRANSMITTED AND RECEIVED BY THE CLOCK VIA SAMPUNG'S IP COMMUNICATION PROTOCOL WHICH SHALL BE DELIVERED TO THE CLOCK THROUGH A CAT6 CABLE. THE CLOCK SETTINGS SHALL BE ADJUSTABLE THROUGH A WEB INTERFACE THAT CAN BE ACCESSIBLE BY A WEB BROWSER, SUCH AS INTERNET EXPLORER. SETTINGS FOR THE CLOCK SHALL INCLUDE DAYLIGHT SAVING TIME, NETWORK SETTINGS, AND A LIST OF UP TO 10 NTP SOURCES. THE CLOCK SHALL HAVE A MICROPROCESSOR-BASED MOVEMENT THAT SHALL REQUIRE FEWER THAN 5 MINUTES TO PERFORM A CORRECTION OF THE HAND POSITIONS. THE CLOCK WILL BE POWERED USING POWER-OVER-ETHERNET (POE). THE CLOCK SHALL HAVE A SMOOTH SURFACE METAL CASE WHICH CAN BE ATTACHED TO A STANDARD SIZED GANG BOX. THE DIAL IS TO BE MADE OF DURABLE POLYSTYRENE MATERIAL. THE CRYSTAL IS TO BE MADE OF SHATTERPROOF, SIDE MOLDED POLYCARBONATE. THE CLOCK SHALL BE UL AND CUL LISTED.

ELECTRICAL SPECIFIC NOTES

- E301 EXISTING CABLE TRAY CAN BE UTILIZED FOR CABLEING OUT TO DEVICES. CONDUIT SHALL BE RAN FROM TRAY TO DEVICE.
- E302 PROVIDE SAMPUNG MASTER CLOCK SMA 2000 SERIES OR APPROVED EQUAL, TO ACT AS MASTER CLOCK FOR NEW CLOCK SYSTEM INSTALLED.

1 1ST LEVEL SIGNAL REMODEL PLAN
1/8" = 1'-0"

CONSULTANTS MECHANICAL / ELECTRICAL / PLUMBING: WPE West Plains Engineering, Inc. 1750 Rand Road Rapid City, South Dakota 57702 Phone: 605-345-7455		STRUCTURAL: WPE Albertson Engineering, Inc. 2022 W. Main St., 8C Rapid City, South Dakota 57702 Phone: 605-343-9609		ARCHITECT OF RECORD A/E: STONE GROUP ARCHITECTS		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title: 1ST LEVEL SIGNAL REMODEL PLAN Approved:		Phase: CONSTRUCTION DOCUMENTS FULLY SPRINKLERED		Project Title: VA FM UPGRADE MENTAL HEALTH LOCK WARD Location: FORT MEADE, SOUTH DAKOTA Issue Date: 08/05/2022		Project Number: VA #568-20-102 SGA #211937 Building Number: #148 Drawing Number: EY-401	
Revision#	Description	Date:													



- ELECTRICAL MISCELLANEOUS NOTES**
- ANY FIXTURES OR WIRING DEVICES SHOWN TO BE INSTALLED WITHIN EXISTING SHEET ROCK WALLS SHALL BE FISHED INTO THE WALL BY THE CONTRACTOR.
 - A NEW CEILING IS BEING INSTALLED THAT WILL BE AT A HIGHER ELEVATION THAN THE EXISTING CEILING THAT IS BEING DEMOLISHED UNDER THIS PROJECT. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING DEMOLITION/REPLACEMENT EXTENTS. ALL CONDUIT, CONDUIT CABLES SHALL BE PROVIDED AS NEW TO ACCOMMODATE THE CHANGE OF CEILING ELEVATION. THE NEW CEILING THAT IS TO BE INSTALLED SHALL BE INACCESSIBLE AND THE CONTRACTOR SHALL COORDINATE CONDUIT ROUTING AND JUNCTION BOX LOCATIONS FOR ACCESSIBILITY REQUIREMENTS.
 - A NEW PENTHOUSECHASEWAY IS BEING INSTALLED ON THE ROOF TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK INSTALLATION. THE ELECTRICAL CONTRACTOR CAN UTILIZE THIS PENTHOUSECHASEWAY TO ROUTE NEW CONDUIT AND CONDUCTOR AS NEEDED TO AREAS OF THE BUILDING. JUNCTION AND PULL BOXES CAN BE INSTALLED IN THIS PENTHOUSECHASEWAY FOR ACCESSIBILITY.
 - ALL NEW SUPPORTS MUST BE FROM BUILDING STEEL NOT FROM ROOF CONCRETE SYSTEM.
 - EXISTING CEILING MOUNTED FIRE ALARM DEVICES AFFECTED BY THE CEILING REMOVAL AND REINSTALLATION SHALL BE REMOVED AND REINSTALLED IN THEIR ORIGINAL LOCATION TO ACCOMMODATE CEILING INSTALL. THE NEW CEILING WILL BE INSTALLED IN A HIGHER LOCATION THAN THE EXISTING. NEW CABLING SHALL BE PROVIDED TO THESE FIRE ALARM DEVICES AND INSTALLED IN A CONDUIT.

1 1ST LEVEL FIRE ALARM REMODEL PLAN
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD
A/E:
STONE GROUP ARCHITECTS

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
 1ST LEVEL FIRE ALARM REMODEL PLAN

Phase
 CONSTRUCTION DOCUMENTS

Project Title
 VA FM UPGRADE MENTAL HEALTH LOCK WARD

Project Number
 VA #568-20-102
 SGA #211937

Building Number
 #148

Drawing Number
 FA-101

Location
 FORT MEADE, SOUTH DAKOTA

Issue Date
 08/05/2022

Checked
 MKV

Drawn
 VLS

Approved:

FULLY SPRINKLERED

EX. DFCX		VOLTS:	120/208 Wye	PHASES:	3	WIRE:	4	MAIN CAPACITY:	225 A					
		AIC RATING:	10,000	LOCATION:	CLOSET, ELECTRICAL DECT	MAIN CONNECTION:	MLO							
		MOUNTING:	SURFACE	FEEDER SIZE:	EXISTING	MAIN TYPE:	TYPE 1							
OKT	ITEM FED	WIRE SIZE	AMPS	POLES	A (WATTS)	B (WATTS)	C (WATTS)	POLES	AMPS	WIRE SIZE	ITEM FED	OKT		
1	FCU S WING WEST SIDE	-	20 A	1	0	0				1	20 A	-	FCU N WING WEST SIDE	2
3	FCU S WING EAST SIDE	-	20 A	1						1	20 A	-	FCU N WING EAST SIDE	4
5	FCU MIDDLE NORTH SIDE	-	20 A	1						1	20 A	-	FCU SECLUSION RM & STOV	6
7	SPARE	-	20 A	1	0	0				1	20 A	-	SPARE	8
9	SPARE	-	20 A	1								-	SPARE	10
11	SPARE	-	20 A	1								-	SPARE	12
TOTAL CONNECTED LOAD:					0 W	0 W	0 W	0 W	0 A	LOAD:	0 W			

EX. D2		VOLTS:	120/208 Wye	PHASES:	3	WIRE:	4	MAIN CAPACITY:	225 A					
		AIC RATING:	10,000	LOCATION:	CLOSET, ELECTRICAL DECT	MAIN CONNECTION:	MLO							
		MOUNTING:	SURFACE	FEEDER SIZE:	EXISTING	MAIN TYPE:	TYPE 1							
OKT	ITEM FED	WIRE SIZE	AMPS	POLES	A (WATTS)	B (WATTS)	C (WATTS)	POLES	AMPS	WIRE SIZE	ITEM FED	OKT		
1	REC. BREAK RM	-	20 A	1	0	0				1	20 A	-	SPARE	2
3	REC. MED RM	-	20 A	1						1	20 A	-	NOURISHMENT WEST	4
5	REC. BRK RM TLTS CLEAN &...	-	20 A	1						1	20 A	-	NOURISHMENT EAST MICROWAVE	6
7	D147	-	20 A	1	0	0				1	20 A	-	NOURISHMENT COUNTER REC.	8
9	REC. LAUNDRY	-	20 A	1						2	30 A	-	DRYER	10
11	WASHER	-	20 A	1						0	0	-		12
13	REC. MIDDLE PATIENT RMS	-	20 A	1	0	0				1	20 A	-	REC. MIDDLE PAT RM TLTS	14
15	REC. EAST PATIENT RMS	-	20 A	1						1	20 A	-	REC. EAST PAT RM TLTS	16
17	REC. WEST PATIENT RMS	-	20 A	1						1	20 A	-	REC. WEST PAT RM TLTS	18
19	HYDRO TUB	-	20 A	1	0	0				1	20 A	-	REC. EAST/WEST CORR.	20
21	EF-2 EF-3 FANS	-	20 A	1						1	20 A	-	REC. NORTH/SOUTH CORR.	22
23	ELECT FLUSH VALVES	-	20 A	1						1	20 A	-	REC. COURTYARD	24
25	COFFEE POT OUTLET	-	20 A	1	0	0				1	20 A	-	REC. VISITORS QUIET RM	26
27	REFRIG OUTLET	-	20 A	1						1	20 A	-	REC. DAY ROOM	28
29	MICROWAVE OUTLET	-	20 A	1						1	20 A	-	WATER COOLER	30
31	SPARE	-	20 A	1	0	0				1	20 A	-	SPARE	32
33	SPARE	-	20 A	3								-	SPARE	34
35	SPARE	-	--	--	0	0						-	SPARE	36
37	SPARE	-	--	--	0	0						-	SPARE	38
39	SPARE	-	--	--	0	0						-	SPARE	40
41	SPARE	-	--	--	0	0						-	SPARE	42
TOTAL CONNECTED LOAD:					0 W	0 W	0 W	0 W	0 A	LOAD:	0 W			

EX. D1		VOLTS:	120/208 Wye	PHASES:	3	WIRE:	4	MAIN CAPACITY:	225 A					
		AIC RATING:	10,000	LOCATION:	CLOSET, ELECTRICAL DECT	MAIN CONNECTION:	MLO							
		MOUNTING:	SURFACE	FEEDER SIZE:	EXISTING	MAIN TYPE:	TYPE 1							
OKT	ITEM FED	WIRE SIZE	AMPS	POLES	A (WATTS)	B (WATTS)	C (WATTS)	POLES	AMPS	WIRE SIZE	ITEM FED	OKT		
1	SPARE	-	30 A	2	0	0				2	30 A	-	DRYER	2
3	WASHER	-	20 A	1						1	20 A	-	FCU SOUTH CORR	4
5	REC. LAUNDRY	-	20 A	1	0	0				1	20 A	-	REC. EDUCATION EXAM	6
7	REC. COURTYARD	-	20 A	1						1	20 A	-	REC. DAY RM	10
9	REC. VISITORS	-	20 A	1						1	20 A	-	REC. QUIET RM	12
13	REC. INTER	-	20 A	1	0	0				1	20 A	-	REC. SECLUSION TLTS	14
15	REC. CHARGE NURSE	-	20 A	1						1	20 A	-	REC. MIDDLE TLTS	16
17	REC. 2 EAST PATIENT ROOMS	-	20 A	1						1	20 A	-	REC. SOUTH TLTS	18
19	REC. 2 WEST PATIENT ROOMS	-	20 A	1	0	0				1	20 A	-	FCU 4-5-6-7-8-9	20
21	REC. SE & SW PATIENT ROOMS	-	20 A	1						1	20 A	-	NOURISHMENT WEST FRIG.	22
23	REC. EAST & WEST CORR ROOF	-	20 A	1						1	20 A	-	NOURISHMENT EAST FRIG.	24
25	REC. N & S CORR STOV	-	20 A	1	0	0				1	20 A	-	EF 1	26
27	REC. SECLUSION ANTE RMS	-	20 A	1						1	20 A	-	SHAVER CABINET CHARGERS	28
29	LIGHTS SECLUSION RMS	-	20 A	1						1	20 A	-	HYDRO TUB	30
31	WATER COOLER	-	20 A	1	0	0				1	20 A	-	EXISTING CIRCUIT	32
33	AUTOMATIC FLUSH VALVES...	-	20 A	1						1	20 A	-	SPARE	34
35	SPARE	-	20 A	1						1	20 A	-	SPARE	36
37	SPARE	-	20 A	1	0	0						-	SPARE	38
39	SPARE	-	20 A	1								-	SPARE	40
41	SPARE	-	--	--	0	0						-	SPARE	42
TOTAL CONNECTED LOAD:					0 W	0 W	0 W	0 W	0 A	LOAD:	0 W			

EX. LX2		VOLTS:	120/208 Wye	PHASES:	3	WIRE:	4	MAIN CAPACITY:	225 A					
		AIC RATING:	10,000	LOCATION:	CLOSET, ELECTRICAL DECT	MAIN CONNECTION:	MLO							
		MOUNTING:	SURFACE	FEEDER SIZE:	EXISTING	MAIN TYPE:	TYPE 1							
OKT	ITEM FED	WIRE SIZE	AMPS	POLES	A (WATTS)	B (WATTS)	C (WATTS)	POLES	AMPS	WIRE SIZE	ITEM FED	OKT		
1	NIGHT LIGHTING	-	20 A	1	0	0				1	20 A	-	CRASH CART	2
3	REC. S WING 2 SOUTH PAT RMS	-	20 A	1						1	20 A	-	REC. MID WING 2 WEST PAT	4
5	REC. S WING 2 EAST PAT RMS	-	20 A	1						1	20 A	-	REC. NORTH WING PAT ROOM	6
7	REC. S WING 2 WEST PAT RMS	-	20 A	1	0	0				1	20 A	-	REC. NORTH WING 2 WEST PAT	8
9	NURSE STATION/2WAY CAMERA	-	20 A	1						1	20 A	-	NURSE CALL CABINET	10
11	NURSE STATION	-	20 A	1						1	20 A	-	CATV-CABINET	12
13	NURSE STATION	-	20 A	1	0	0				1	20 A	-	FIRE/SMOKE DAMPER	14
15	NURSE STATION	-	20 A	1						1	20 A	-	DINING ROOM RECEPTACLES	16
17	NURSE STATION	-	20 A	1						1	20 A	-	CM 100 CONTROL PANEL	18
19	NURSE STATION	-	20 A	1	0	0				1	20 A	-	SPARE	20
21	REC. SECLUSION ROOMS	-	20 A	1						1	20 A	-	ACP #7	22
23	REC. MED ROOM	-	20 A	1						1	20 A	-	SPARE	24
25	SPARE	-	20 A	1	0	0						-	SPARE	26
27	SPARE	-	20 A	1						3	40 A	-	PANEL DFCX	28
29	SPARE	-	20 A	1								-	SPARE	30
31	SPARE	-	20 A	1	0	0				1	20 A	-	SECURITECH POWER SUPPLY	32
33	SPARE	-	--	--	0	0						-	SPARE	34
35	SPARE	-	--	--	0	0						-	SPARE	36
37	SPARE	-	--	--	0	0						-	SPARE	38
39	SPARE	-	--	--	0	0						-	SPARE	40
41	SPARE	-	--	--	0	0						-	SPARE	42
TOTAL CONNECTED LOAD:					0 W	0 W	0 W	0 W	0 A	LOAD:	0 W			

LIGHTING FIXTURE SCHEDULE											
FIXTURE MARK	MANUFACTURER	MODEL	MOUNTING	TYPE	INPUT WATTS	LUMENS	LUMEN PER WATT	COMMENTS		ADDITIONAL MANUFACTURERS	
A1	KENALL	MMAC24-F-0/0-7-FA-45L35K-DCC-DV	CEILING/RECESS ED	LED	49	5182	105.8	BEHAVIORAL HEALTH LIGHT FIXTURE, 2X4, DIRECT/INDIRECT, NOTE 1		SUBMIT FOR APPROVAL	
B1	KENALL	RMCD-4-X-0-0-45L35K-DCC-DV-SYMB-1	CEILING/RECESS ED	LED	46	4489	97	BEHAVIORAL HEALTH LIGHT FIXTURE, 2X4, NOTES 1, 2		SUBMIT FOR APPROVAL	
B2	KENALL	RMCD-4-X-0-0-67L35K-DCC-DV-SYMB-1	CEILING/RECESS ED	LED	74	7168	96	BEHAVIORAL HEALTH LIGHT FIXTURE, 2X4, NOTES 1, 2		SUBMIT FOR APPROVAL	
C1	KENALL	RMCA-4-X-0-0-45L35K-DCC-DV-SYMB-1	CEILING/RECESS ED	LED	46	3535	77	BEHAVIORAL HEALTH LIGHT FIXTURE, 1X4, NOTES 1, 2		SUBMIT FOR APPROVAL	
D1	KENALL	ROCA-0/0-1-23L35K-DCC-DV-1B-1	CEILING/RECESS ED	LED	29	1711	59	BEHAVIORAL HEALTH LIGHT FIXTURE, 1X1, NOTE 1		SUBMIT FOR APPROVAL	
DIW	KENALL	ROCA-0/0-1-23L35K-DCC-DV-1B-1-WL	CEILING/RECESS ED	LED	29	1711	59	BEHAVIORAL HEALTH LIGHT FIXTURE, 1X1, WET LOCATION LISTED, NOTE 1		SUBMIT FOR APPROVAL	
N1	KENALL	RFW-A-0-1-ALL-277-1B-1	WALL/RECESSED	LED	0.5	-	-	WALL MOUNT NIGHT LIGHT		SUBMIT FOR APPROVAL	
S1	LITHONIA	ZL1D-148-6000LM-FST-AMOLT-7-3SK-80CR-3W-H4383 M12W10Z66	CEILING/CHAIN	LED	41	5456	133.07	CHAIN HUNG STRIP LIGHT, WIRE GARD, NOTE 1		COOPER, COLUMBIA, LSI	
W1	KENALL	BHWH3-3-0-18L-35K-DM1-DV-SYM9	WALL/SURFACE	LED	22	2218	100.8	WALL MOUNT LIGHT, NOTE 1		SUBMIT FOR APPROVAL	
X	LITHONIA	LQM-2-W-3-R-120/277	UNIVERSAL	LED	0.62	-	-	EXIT SIGN, THERMOPLASTIC, PROVIDE ONE OR TWO SIDED AS REQUIRED PER THE DRAWINGS.		SUBMIT FOR APPROVAL	

COMMENTS:
 1. FIXTURES SUBMITTED FOR APPROVAL CANNOT BE MORE THAN 5% LESS EFFICIENT THAN THE FIXTURE SPECIFIED.
 2. FLANGED RECESSED HARD CEILING TYPE FIXTURE. COORDINATE CEILING TYPE MOUNTING PRIOR TO ORDERING.

PB1		VOLTS:	120/208 Wye	PHASES:	3	WIRE:	4	MAIN CAPACITY:	200 A					
		AIC RATING:	22,000	LOCATION:	ROOF	MAIN CONNECTION:	MLO							
		MOUNTING:	SURFACE	FEEDER SIZE:	EXISTING	MAIN TYPE:	TYPE 1							
OKT	ITEM FED	WIRE SIZE	AMPS	POLES	A (WATTS)	B (WATTS)	C (WATTS)	POLES	AMPS	WIRE SIZE	ITEM FED	OKT		
1	FC-01	12	15 A	1	1176	1176				1	15 A	12	FC-18	2
3	FC-02	12	15 A	1	1176	1176				1	15 A	12	FC-10A	4
5	FC-03	12	15 A	1			1176	1176		1	15 A	12	FC-11B	6
7	FC-04	12	15 A	1	1176	1176				1	15 A	12	FC-10B	8
9	FC-05	12	15 A	1			1176	1176		1	15 A	12	FC-19	10
11														