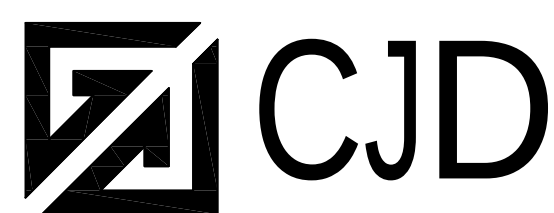


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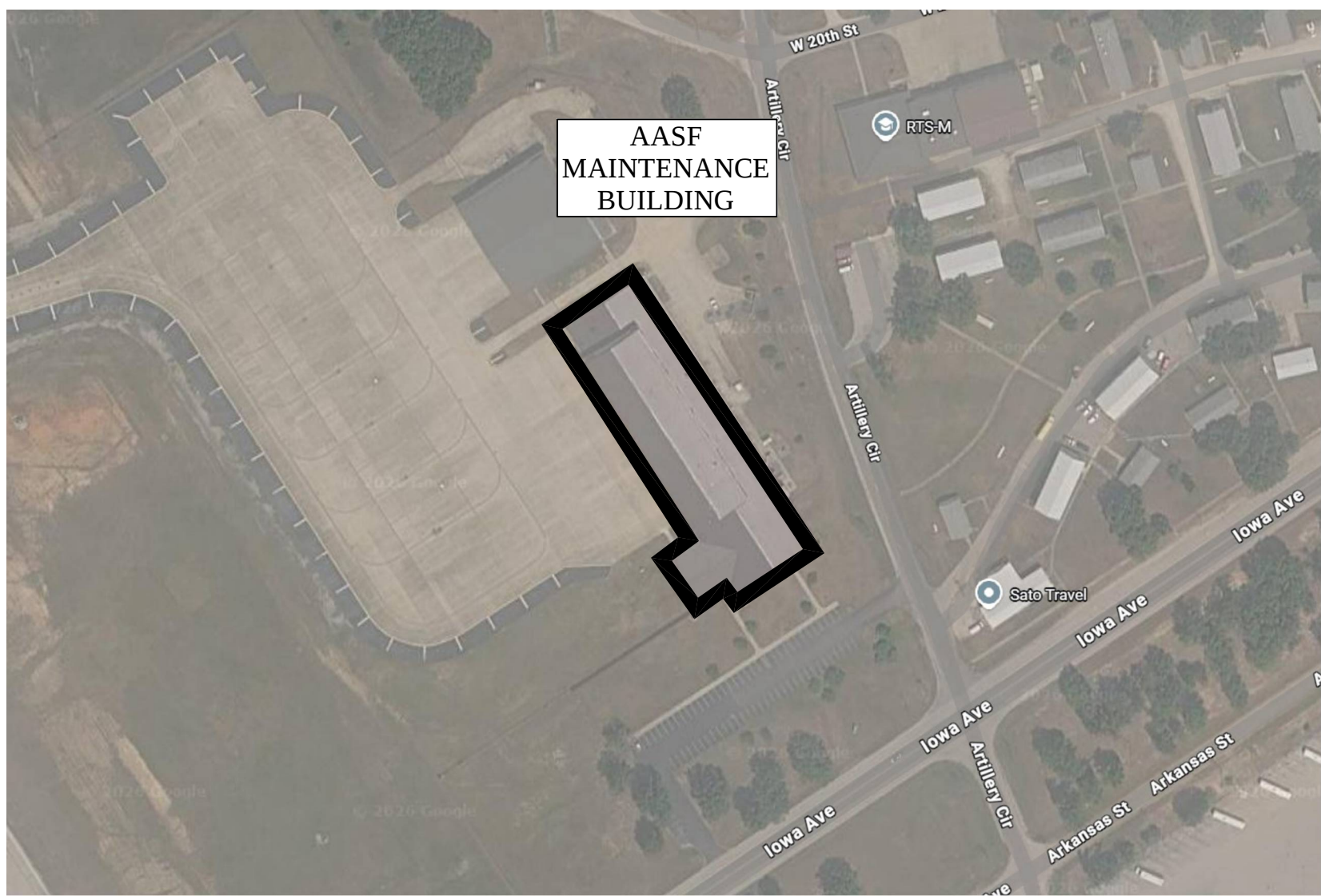
OWNER: STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

PROJECT MANAGEMENT: MISSOURI NATIONAL GUARD
CONSTRUCTION & FACILITIES
MANAGEMENT OFFICE

DESIGNER: CJD ENGINEERING LLC

CONSULTANT: BUDDY WEBB & COMPANY, INC.

LOCATION:



PROJECT NUMBER: T2613-01

SITE NUMBER: 6306

FACILITY NUMBER: 8136306004

SHEET INDEX:

G-000	COVER SHEET
G-001	ABBREVIATIONS, NOTES, AND SYMBOLS
A-100	FLOOR PLAN
M-100	MECHANICAL PLAN

SHEET NUMBER:

G-000

1 OF 4 SHEETS
JUNE 18, 2026

TERMS AND ABBREVIATIONS:

A/C	AIR CONDITIONING	MIN	MINIMUM
A/E	ARCHITECT/ENGINEER	MISC	MISCELLANEOUS
ABV	ABOVE	MOD	MODIFIED
ACH	AIR CHANGES PER HOUR	MR	MOISTURE RESISTANT
ACT	ACOUSTICAL CEILING TILE	MTD	MOUNTED
ADJ	ADJUSTABLE	MTL	METAL
AFF	ABOVE FINISHED FLOOR	MW	MICROWAVE
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
ALT	ALTERNATE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ALUM	ALUMINUM	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE	NTS	NOT TO SCALE
ARCH	ARCHITECT	OA	OUTSIDE AIR
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	OC	ON CENTER
BLW	BELOW	OPNG	OPENING
BTWN	BETWEEN	ORD	OVERFLOW ROOF DRAIN
CAB	CABINET	PLAM	PLASTIC LAMINATE
CHW	CHILLED WATER	PL	PLATE
CIP	CAST-IN-PLACE	PLMB	PLUMBING
CL	CENTERLINE	PLYWD	PLYWOOD
CLG	CEILING	PT	PAINT
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RA	RETURN AIR
CONC	CONCRETE	RAD	RADIUS
CONT	CONTINUOUS	RCP	REFLECTED CEILING PLAN
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE	RD	ROOD DRAIN
CW	COLD WATER	REFR	REFRIGERATION
DBL	DOUBLE	REINF	REINFORCED
DEMO	DEMOLISH/DEMOLITION	REQD	REQUIRED
DET	DETAIL	REQT	REQUIREMENT
DIAG	DIAGONAL	RET	RETURN
DS	DOWNSPOUT	RL/RS	REFRIGERANT LIQUID/SUCTION
DW	DISHWASHER	RM	ROOM
DWG	DRAWING	RO	ROUGH OPENING
EA	EXHAUST AIR	RTD	RATED
EC	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
ELEC	ELECTRICAL	SF	SQUARE FEET
ENG	ENGINEER	SHT	SHEET
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SK	SINK
ETC	ET CETERA	SQ	SQUARE
EX	EXISTING	SS	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
FAB	FABRICATE	STOR	STORAGE
FD	FLOOR DRAIN	STR	STAIR
FDC	FIRE DEPARTMENT CONNECTION	STRUCT	STRUCTURAL
FEC	FIRE EXTINGUISHER CABINET	SUB	SUBCONTRACTOR
FFCO	FINISH FLOOR CLEANOUT	SUP	SUPPLY
FGCO	FINISH GRADE CLEANOUT	SUSP	SUSPENDED
FFE	FINISH FLOOR ELEVATION	TAB	TEST, ADJUST, AND BALANCE
FIN	FINISH	T&G	TONGUE AND GROOVE
FLR	FLOOR	TELE	TELEPHONE
FS	FLOOR SINK	TOS	TOP OF STEEL
FTG	FOOTING	TYP	TYPICAL
FV	FIELD VERIFY	UNO	UNLESS NOTED OTHERWISE
GA	GAUGE	UR	URINAL
GALV	GALVANIZED	VB	VAPOR BARRIER
GC	GENERAL CONTRACTOR	VENT	VENTILATION
GD	GARBAGE DISPOSAL	VERT	VERTICAL
GWB	GYP SUM WALLBOARD	W/	WITH
HB	HOSE BIB	WC	WATER CLOSET
HORIZ	HORIZONTAL	WH	WATER HEATER
HT	HEIGHT	WWF	WELDED WIRE FABRIC
HW	HOT WATER	WWM	WELDED WIRE MESH
HWR	HOT WATER RECIRCULATION		
IBC	INTERNATIONAL BUILDING CODE		
IFC	INTERNATIONAL FIRE CODE		
IFGC	INTERNATIONAL FUEL GAS CODE		
IMC	INTERNATIONAL MECHANICAL CODE		
IPC	INTERNATIONAL PLUMBING CODE		
INSUL	INSULATION		
IRMM	INFECTION RISK MITIGATION MODE		
JB	JUNCTION BOX		
LAV	LAVATORY		
MATL	MATERIAL		
MAX	MAXIMUM		
MB	MOP BASIN		
MECH	MECHANICAL		
MEP	MECHANICAL/ELECTRICAL/PLUMBING		
MFR	MANUFACTURER		

SYMBOLS LEGEND:

PLAN NOTATIONS:	LIGHTING FIXTURES:
1 M1 CLASSROOM 111 4 KEYNOTE FCU-XY EQUIPMENT DESIGNATION CONNECTION OF NEW TO EXISTING (EX) EXISTING DESIGNATION S.A. SUPPLY AIR R.A. RETURN AIR E.A. EXHAUST AIR	EMERGENCY LIGHT RECESSED LIGHT FIXTURE RECESSED CAN LIGHT FIXTURE WALL-MOUNT LIGHT FIXTURE SWITCHING DEVICES: 20AMP, SINGLE POLE, 120/277V SWITCH 20AMP, THREE-WAY, 120/277V SWITCH DIMMER SWITCH; MATCH LOAD/TYPE OF FIXTURES SERVED WIRING DEVICES: SIMPLEX RECEPTACLE; 2P, 3W, 20A, 125V, GROUNDING SIMPLEX RECEPTACLE; NEMA CONFIGURATION AS INDICATED DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, GROUNDING DUPLEX RECEPTACLE; MTD 42" ABOVE FINISHED FLOOR DUPLEX RECEPTACLE; MTD 6" ABOVE COUNTER BACKSPLASH DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER DOUBLE DUPLEX RECEPTACLE WITH COMMON FACEPLATE JUNCTION BOX - CEILING MOUNTED JUNCTION BOX - WALL MOUNTED ELECTRICAL EQUIPMENT: FLUSH MOUNTED LIGHTING & POWER PANELBOARD SURFACE MOUNTED LIGHTING & POWER PANELBOARD DISCONNECT SWITCH CONDUIT & CONDUCTORS: CONDUIT CONCEALED IN CEILING OR WALL CONDUIT CONCEALED IN FLOOR SLAB #12 CONDUCTORS, TICK MARKS INDICATE QUANTITY P1-1 HOME RUN WITH PANEL AND CIRCUIT DESIGNATION P1-2 PARTIAL HOME RUN WITH PANEL AND CIRCUIT DESIGNATION #12 AWG GROUND WIRE CONDUIT AND CONDUCTOR PER SCHEDULE
HVAC DUCTWORK:	
FLEXIBLE DUCTWORK CEILING SUPPLY DIFFUSER CEILING RETURN/EXHAUST GRILLE DIFFUSER TYPE, CFM FAN FAN COIL UNIT RECTANGULAR DUCT DIMENSIONS (WIDTH x HEIGHT) VOLUME DAMPER WITH LOCKING QUADRANT BRANCH DUCT WITH HIGH EFFICIENCY RECTANGULAR TO ROUND TAKE-OFF WITH MANUAL VOLUME DAMPER ELBOW WITH DOUBLE WALL TURNING VANES RETURN, EXHAUST OR FRESH AIR DUCT UP RETURN, EXHAUST OR FRESH AIR DUCT DOWN SUPPLY AIR DUCT UP SUPPLY AIR DUCT DOWN EQUIPMENT WITH FLEXIBLE DUCT CONNECTION	
HVAC PIPING:	
HWS HEATING WATER SUPPLY PIPING HWR HEATING WATER RETURN PIPING CWS CHILLED WATER SUPPLY PIPING CWR CHILLED WATER RETURN PIPING D CONDENSATE DRAIN	
TEMPERATURE CONTROLS:	
FCU-001 TEMPERATURE SENSOR AND EQUIPMENT SERVED CO CARBON MONOXIDE SENSOR CO2 CARBON DIOXIDE SENSOR H HUMIDITY SENSOR NOTE: INSTALL WALL MOUNTED THERMOSTATS AND SENSORS AT 48" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE AI START/STOP ANALOG INPUT; FUNCTION VFD SPEED ANALOG OUTPUT; FUNCTION FAN STATUS BINARY INPUT; FUNCTION CLG STG 1 BINARY OUTPUT; FUNCTION MOTORIZED CONTROL DAMPER CONTROL VALVE TEMPERATURE SENSOR HUMIDITY SENSOR DIFFERENTIAL PRESSURE SENSOR VARIABLE FREQUENCY DRIVE	
PLUMBING PIPING:	
WASTE PIPING BELOW SLAB WASTE PIPING ABOVE SLAB PLUMBING VENT PIPING DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER PIPING DOMESTIC HOT WATER RECIRC PIPING	
NOTE: NOT ALL SYMBOLS ARE USED IN THESE CONSTRUCTION DOCUMENTS AND ALL SYMBOLS USED ON CONSTRUCTION DRAWINGS MAY NOT BE INDICATED ON THIS SYMBOLS LEGEND.	

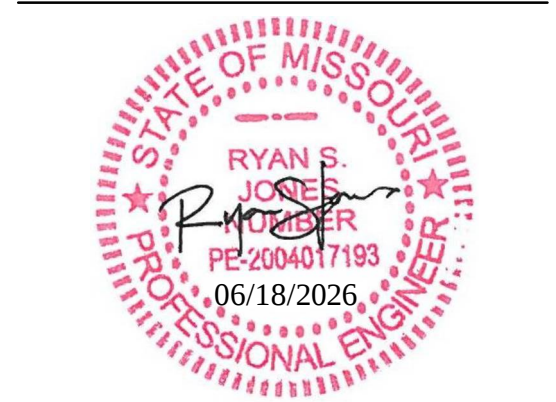
BUILDING CODES:

2010 AMERICANS WITH DISABILITIES' ACT (ADA)
2009 ICC/ANSI A117.1 ACCESSIBILITY CODE
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRICAL CODE

GENERAL NOTES:

- THESE GENERAL NOTES SHALL APPLY TO ALL SHEETS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL WORK SHALL COMPLY WITH THE LATEST INTERNATIONAL BUILDING CODES, NATIONAL ELECTRICAL CODE, AND ALL AMENDMENTS PER LOCAL AUTHORITY HAVING JURISDICTION.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING CONSTRUCTION.
- DRAWINGS REPRESENT FINAL RESULT. REMOVE, RELOCATE, MODIFY EXISTING EQUIPMENT, FIXTURES, WIRING, CONDUIT, ETC. AS REQUIRED.
- FIELD COORDINATE EXACT LOCATIONS AND PIPE/CONDUIT ROUTINGS WITH STRUCTURE, LIGHT FIXTURES, ETC. FINAL RESULT SHALL BE EQUIVALENT TO THAT INDICATED ON DRAWINGS.
- COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
- MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.
- PROVIDE ALL ACCESSORIES, COMPONENTS, ETC. REQUIRED FOR COMPLETE INSTALLATION OF SPECIFIED EQUIPMENT.
- PROVIDE STRUTS, HANGERS, AND ACCESSORIES AS REQUIRED FOR SUPPORT OF CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC.
- THE CONTRACTOR SHALL INCLUDE IN BID THE COSTS TO CUT, PATCH AND REPAIR EXISTING WALLS, FLOORS AND CEILING CONSTRUCTION AS REQUIRED TO INSTALL EQUIPMENT, CONDUIT, ETC.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



RYAN S. JONES - ENGINEER
PE-2004017193
PROFESSIONAL SEAL

Missouri State Certificate of Authority #2005026903
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2225 West Chesterfield Boulevard, Suite 200
Springfield, MO 65807
P: 417.877.1700 F: 417.324.7735
www.cjd-eng.com

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AASF DOOR & FLOOR
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MAINTENANCE BUILDING

FORT LEONARD WOOD
READINESS CENTER

FT. LEONARD WOOD, MO

PROJECT # T2613-01
SITE # 6306
FACILITY # 8136306004

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/18/2026

CAD DWG FILE: G-001.DWG
DRAWN BY: CJD
CHECKED BY: RSJ
DESIGNED BY: CJD

SHEET TITLE:

ABBREVIATIONS,
NOTES,
& SYMBOLS

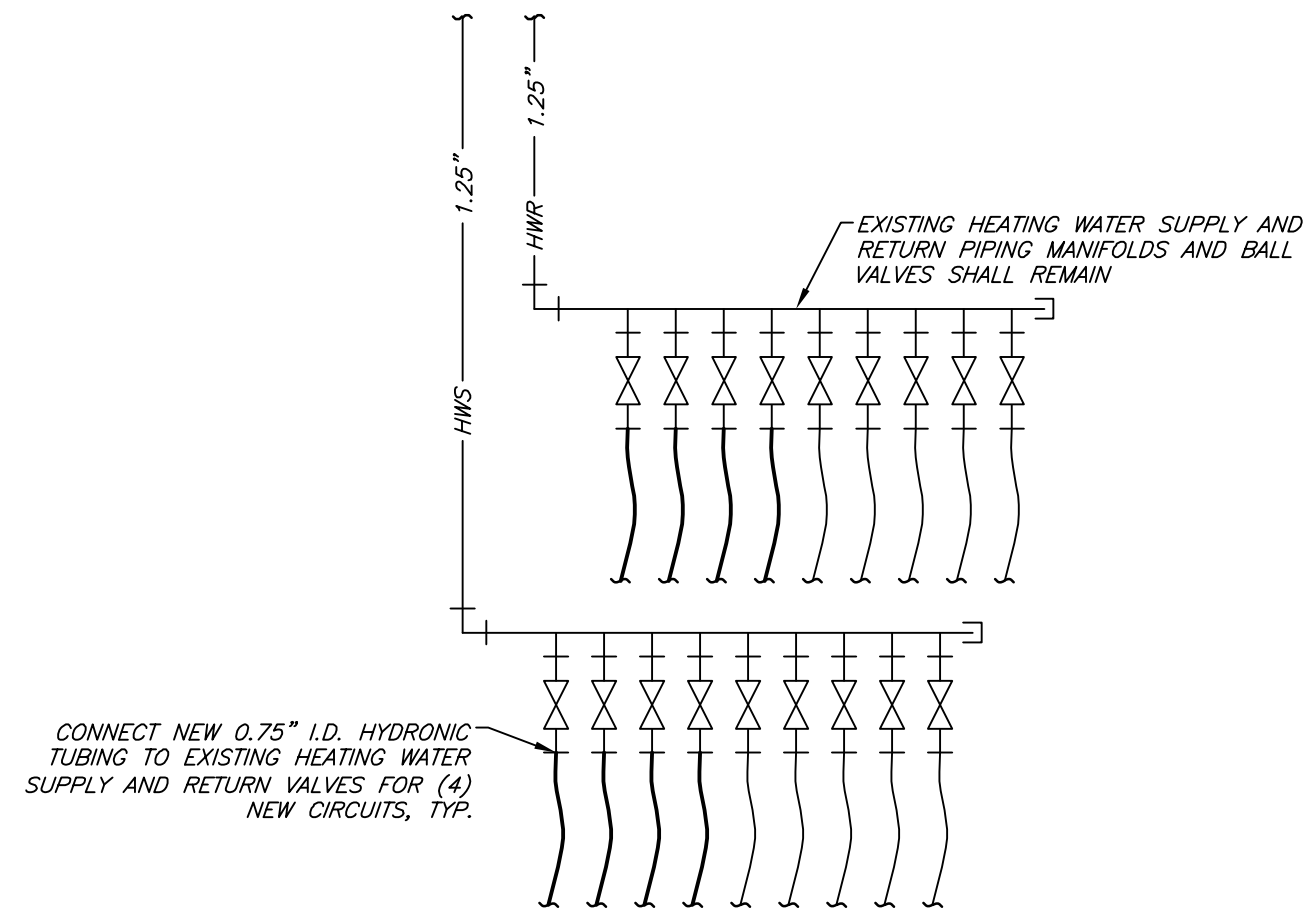
SHEET NUMBER:

Architectural floor plan of Hangar 100. The plan includes several callouts for maintenance and repair work:

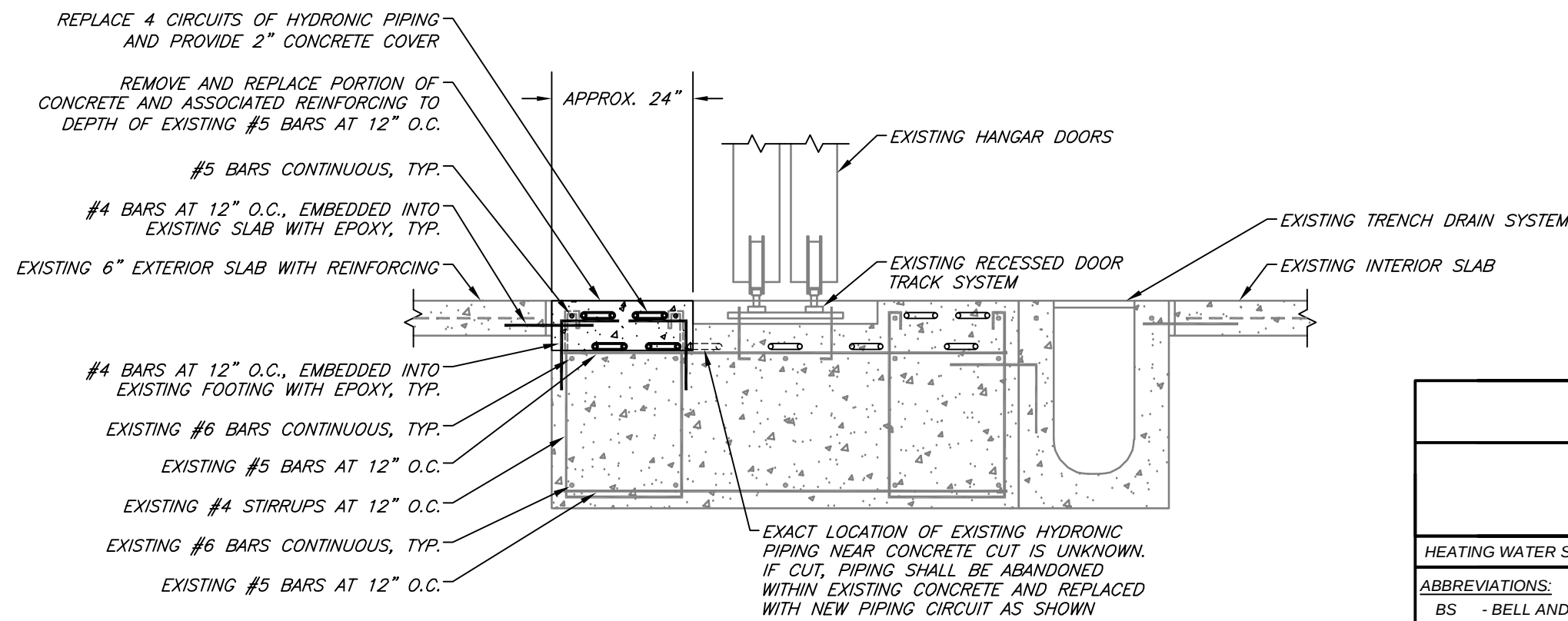
- REMOVE EXISTING FLOOR COATING IN THIS AREA AND PROVIDE NEW RESINOUS FLOOR COATING. REFER TO SPECIFICATIONS** (Pointing to a specific area on the left side of the hangar floor).
- REPAIR EXISTING CRACKED/SPALLING CMU AT PERIMETER OF HANGAR 100. REFER TO 2/A-100 FOR EXISTING CONDITION EXAMPLES** (Pointing to the top perimeter wall area).
- EXISTING PERMANENT EQUIPMENT BOX (TYP). FIELD VERIFY EXACT DIMENSIONS AND LOCATIONS** (Pointing to a rectangular box on the right side of the hangar floor).
- EXISTING CONTROL JOINT (TYP). FIELD VERIFY ALL CONTROL JOINT LOCATIONS** (Pointing to a vertical line on the right side of the hangar floor).
- EXISTING CONTINUOUS TRENCH DRAIN** (Pointing to a long horizontal line near the bottom of the hangar floor).
- EXISTING HYDRONIC PIPING MANIFOLDS. REFER TO SHEET M-100** (Pointing to a small rectangular area near the bottom left corner).
- AREA OF CONCRETE AND HYDRONIC PIPING REPAIRS. REFER TO SHEET M-100** (Pointing to a small rectangular area near the bottom center).

The central label for the structure is **HANGAR 100**.

3 OF 4 SHEETS
JUNE 18, 2026



3 HYDRONIC PIPING MANIFOLD DETAIL
NO SCALE

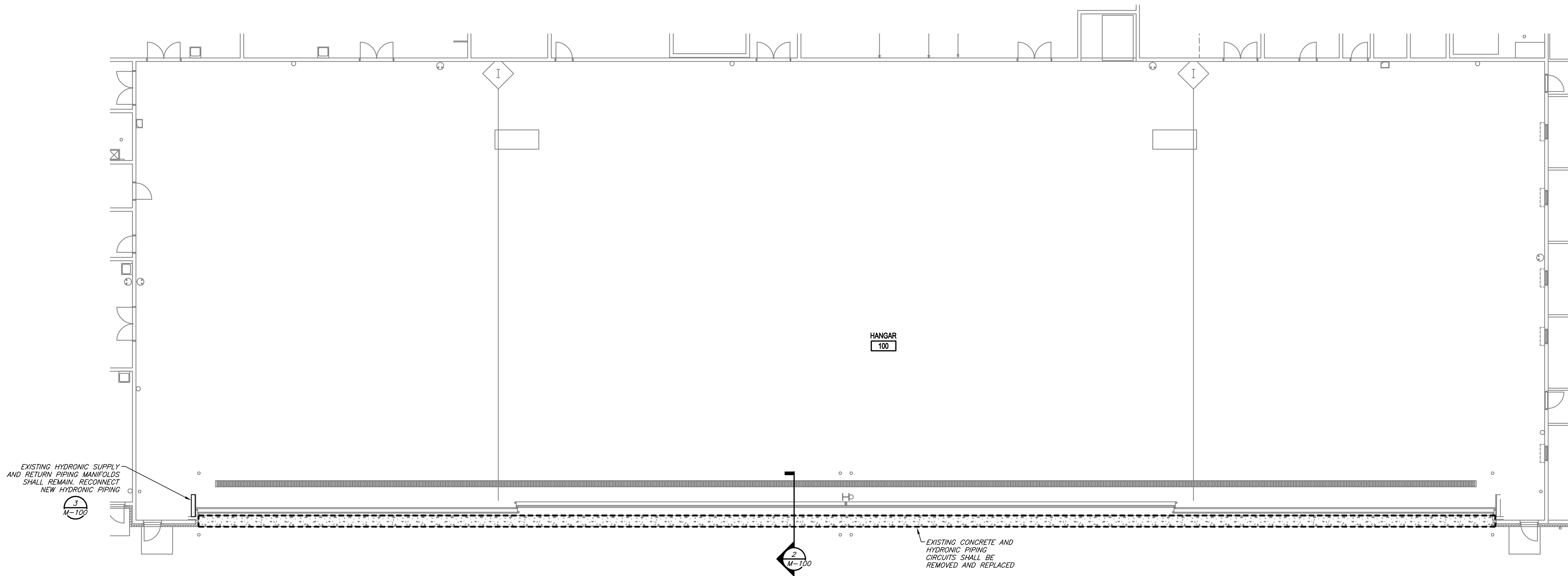


2 HYDRONIC PIPING SECTION
NO SCALE

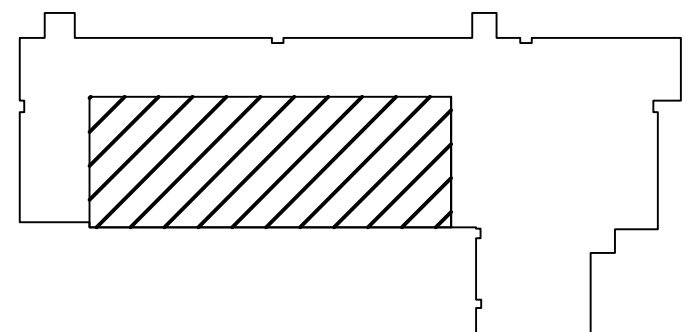
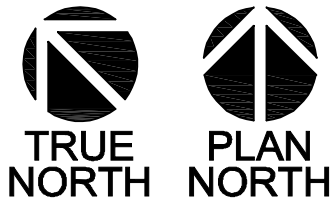
GENERAL NOTES:

- EXISTING CONDITIONS BASED UPON OWNER'S ARCHIVE DOCUMENTS. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ENGINEER IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- THE SPACE WILL BE OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE PHASING WITH OWNER.
- MECHANICAL CONTRACTOR SHALL COORDINATE CONCRETE AND HYDRONIC REPAIRS AT HANGAR DOORS WITH FLOORING REPAIRS. REFER TO SHEET A-100.

PIPING MATERIAL SCHEDULE													
SYSTEM	PIPING						FITTINGS		MAXIMUM WORKING		FIELD TEST		NOTES
	SIZE	TYPE	SCHEDULE	GRADE	ASTM	MATERIAL	MATERIAL	TYPE	PRESSURE (PSI)	TEMP (DEG F)	PRESSURE (PSI)	TIME (HOURS)	
HEATING WATER SUPPLY & RETURN	ALL	HDPE	SDR11/DR15.5	PE3408	D3035-93	HDPE	HDPE	SW	160	60-180	200	1	-
ABBREVIATIONS:													
BS	- BELL AND SPIGOT					NH	- NO-HUB						
CI	- CAST IRON					SJ	- 95-5 TIN-ANTIMONY SOLDER JOINT						
CS	- CARBON STEEL					MJ	- MECHANICAL JOINT						
CW	- CONTINUOUS WELD					DI	- DUCTILE IRON						
DI	- DUCTILE IRON					NG	- NEOPRENE GASKET						
DR	- DRAINAGE FITTING					SW	- SOLVENT WELD						
DWV	- DRAINAGE WASTE AND VENT												
HDPE	- HIGH DENSITY POLYETHYLENE												



1 MECHANICAL PLAN
3/32" = 1'-0"



KEY PLAN PLAN NORTH

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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PROFESSIONAL SEAL

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CAD DWG FILE: M-100.DWG
DRAWN BY: QCJ
CHECKED BY: RSJ
DESIGNED BY: QCJ

SHEET TITLE:
MECHANICAL PLAN

SHEET NUMBER:

M-100

4 OF 4 SHEETS
JUNE 18, 2026