REPLACE FREEZERS - CENTRAL SERVICES BUILDING TIPTON CORRECTIONAL CENTER TIPTON, MO

INDEX OF DRAWINGS

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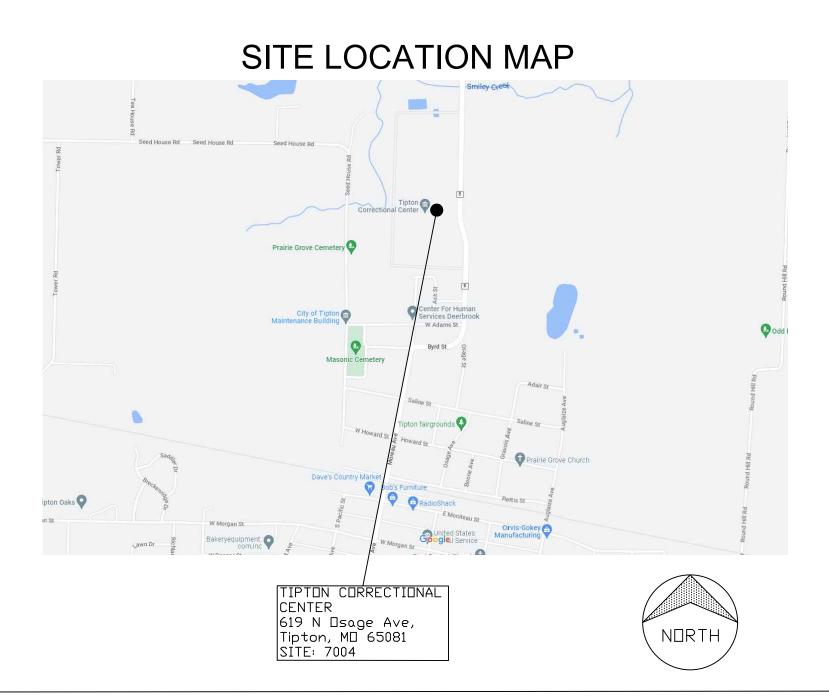
OWNER:

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

DEPARTMENT OF CORRECTIONS

PROJECT MANAGEMENT:

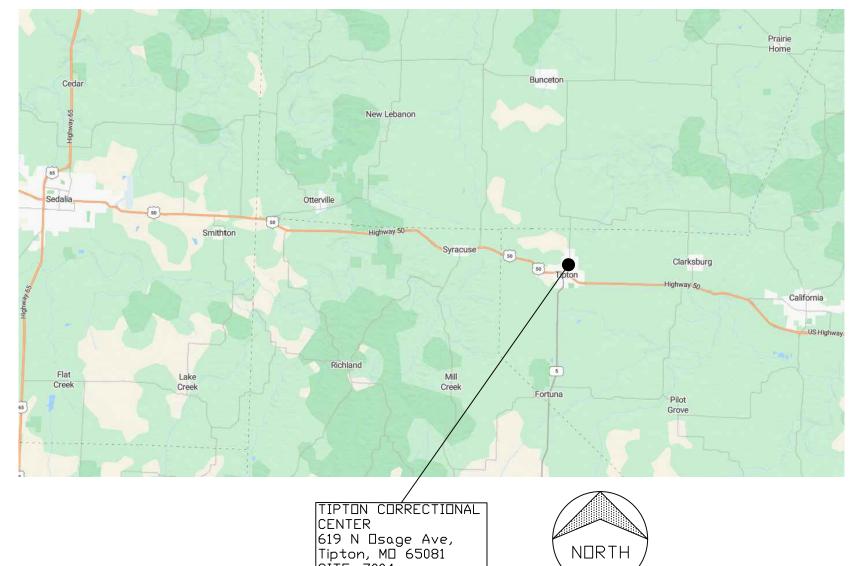
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT DESIGN AND CONSTRUCTION





INTERNATIONAL BUILDING CODE (IBC) 2021 THE AMERICAN WITH DISABILITIES ACT (ADAAG) 2010 **INTERNATIONAL MECHANICAL CODE (IMC) 2021** INTERNATIONAL PLUMBING CODE (IPC) 2021 ASHRAE 90.1 - 2016 ENERGY STANDARD FOR BUILDINGS NATIONAL ELECTRIC CODE (NEC) 2020

PROJECT NUMBER: C2008-01



SITE: 7004



CROSSED SWORDS ENGINEERING 1619 NE OAK TREE DRIVE LEE'S SUMMIT MO 64086 (816) 309-0099 ROBERT7721@AOL.COM MO CERTIFICATE OF AUTHORITY #2016003099



MO STATE CERTIFICATE OF AUTHORITY #2016005104



KH ENGINEERING GROUP, P.A. PROFESSIONAL ENGINEERING CORP CERTIFICATE OF AUTHORITY #: 2004032065

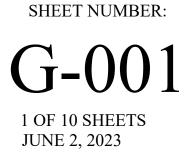


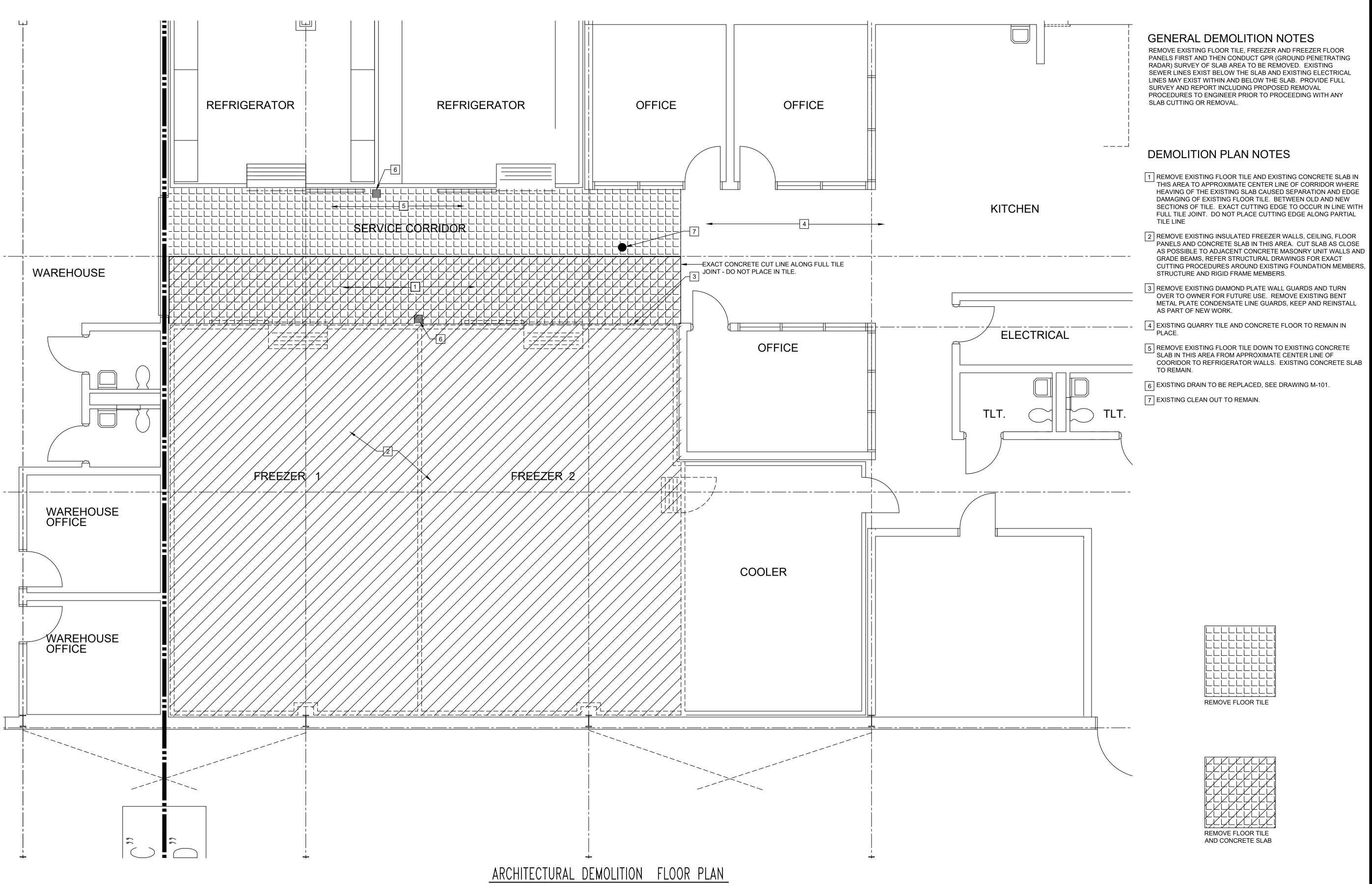
APPLICABLE CODES/DESIGN CONSIDERATIONS

DESIGNER: CROSSED SWORDS ENGINEERING

SITE NUMBER: 7004 9327004030 ASSET NUMBER:

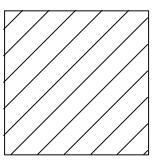
REGIONAL LOCATION MAP





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

REMOVE FLOOR TILE
AND CONCRETE SLAB



REMOVE FREEZER PANELS AND CONCRETE SLAB SYMBOL KEY



REVISION:	
DATE:	
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DATE:	
REVISION :	
DATE:	

ISSUE DATE: 6/2/2023

CAD DWG FILE: A-101.DWG DRAWN BY: MWR CHECKED BY: RFS DESIGNED BY: MWR

SHEET TITLE: DEMOLITION PLAN AREA D SUPPORT BUILDING

SHEET NUMBER:



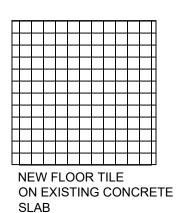


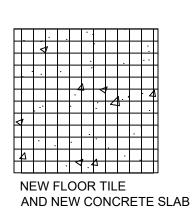
SCALE: 1/4" = 1' - 0"

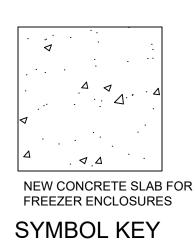
GENERAL NEW WORK NOTES ALL NEW PENETRATIONS IN BOTH NEW AND EXISTING WALLS FLOORS, AND CEILINGS, SHALL BE FIRESTOPPED. REFER SPECIFICATION SECTION, 078413 - PENETRATION FIRESTOPPING.

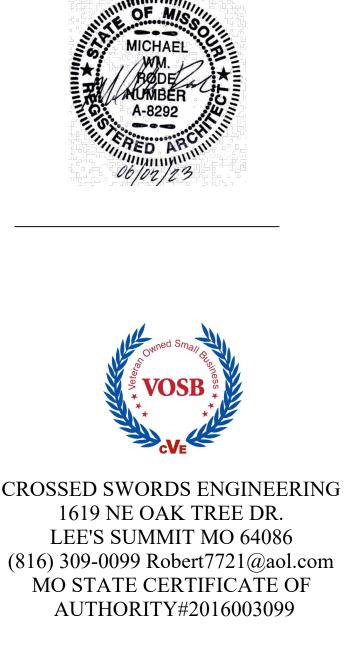
NEW WORK PLAN NOTES

- 1 PROVIDE AND INSTALL NEW QUARRY TILE FLOOR FINISH OVER NEW CONCRETE FLOOR SLAB SPECIFICATION SECTION 093000 TILING.
- 2 PROVIDE AND INSTALL NEW CONCRETE FLOOR SLABS. REFER BOTH STRUCTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR INSTALLATION DETAILS FOR ALL SLABS, UNDERFLOOR INSULATION AND NEW SLAB HEATING SYSTEM.
- (3) CONTROL JOINT BETWEEN NEW AND EXISTING TILE.AND BETWEEN NEW AND EXISTING CONCRETE SLABS. REPLACE EXISTING TILES AS MAY BE REQUIRED OUTSIDE OF NEW TILE AREA.
- 4 INSTALL NEW DIAMOND PLATE WALL GUARDS OVER AREAS PREVIOUSLY PROTECTED BY EXISTING WALL GUARDS. SPECIFICATION SECTION 102623 -PROTECTIVE WALL COVERING. REINSTALL EXISTING BENT METAL PLATE CONDENSATE LINE GUARDS.
- 5 PROVIDE AND INSTALL NEW FREEZER ENCLOSURE (ENCLOSURES) ALONG WITH SPECIFIED EQUIPMENT. REFER MECHANICAL DRAWINGS AND SPECIFICATIONS.
- $\langle 6 \rangle$ PROVIDE AND INSTALL NEW QUARRY TILE FLOOR FINISH OVER EXISTING CONCRETE FLOOR SLAB. - SPECIFICATION SECTION 093000 - TILING.
- $\langle 7 \rangle$ EXISTING DRAIN.
- $\langle 8 \rangle$ EXISTING CLEAN OUT.
- $\langle 9 \rangle$ NEW GROUT LINE BETWEEN NEW AND EXISTING FLOOR TILE. CLEAN AND REPLACE FLOOR TILE OUTSIDE OF REMOVAL AREA AS MAY BE REQUIRED.









STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

OFFICE OF ADMINISTRATION **DIVISION OF FACILITIES** MANAGEMENT, DESIGN AND CONSTRUCTION

REPLACE FREEZERS CENTRAL SERVICES BUILDING

TIPTON CORRECTIONAL CENTER 619 N OSAGE AVE TIPTON, MO 65081

PROJECT # C2008-01 7004 SITE # 9327004030 ASSET #

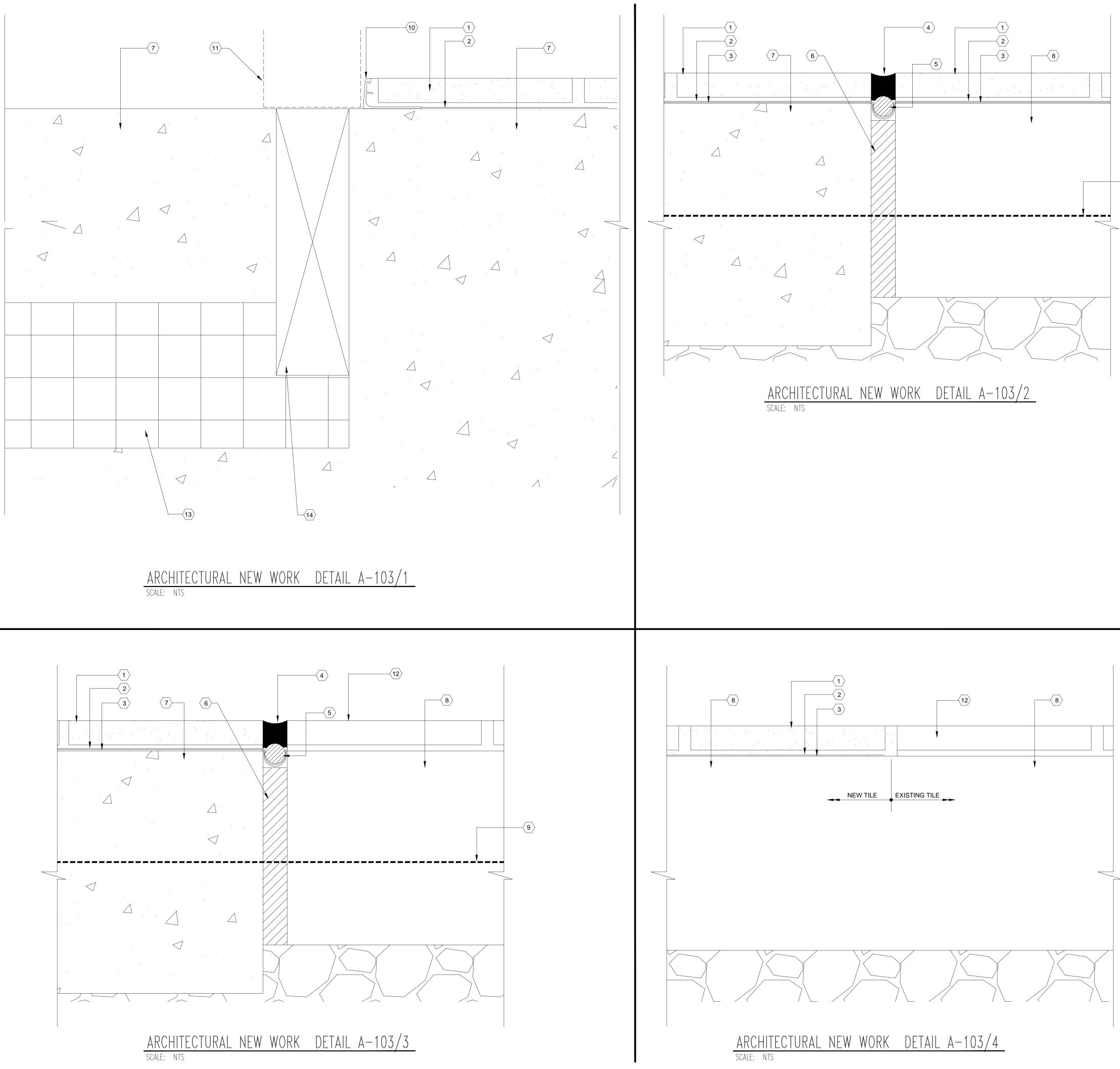
REVISION: DATE REVISION DATE **REVISION**: DATE ISSUE DATE: 6/2/2023

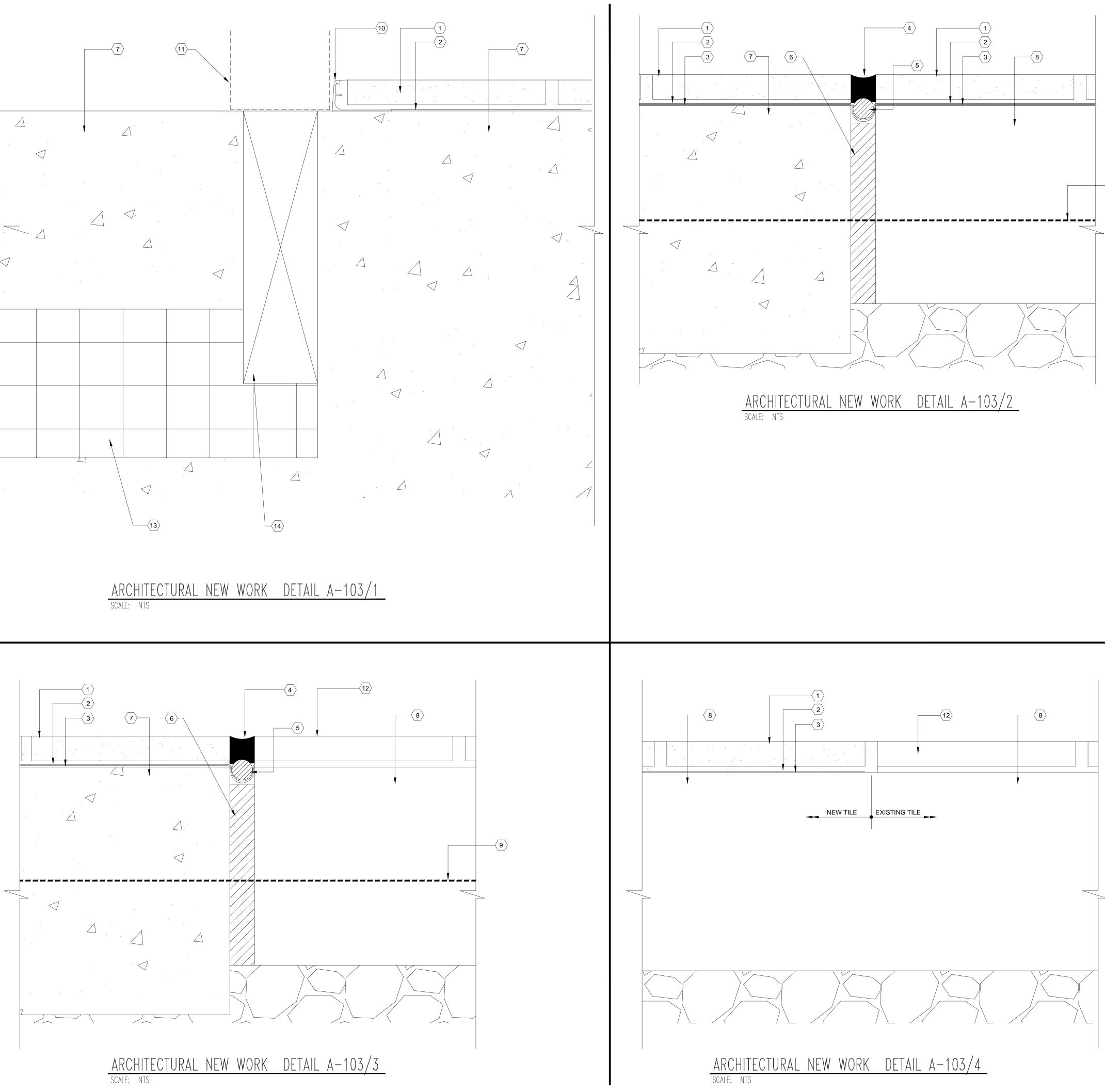
CAD DWG FILE: A-102.DWG DRAWN BY: MWR CHECKED BY: RFS DESIGNED BY: MWR

SHEET TITLE: NEW WORK PLAN AREA D SUPPORT BUILDING

SHEET NUMBER:





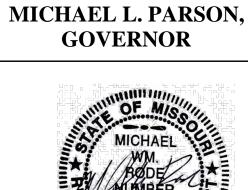


NEW WORK PLAN NOTES

- 1 NEW CERAMIC TILE REFER SPECIFICATION SECTION 09300 TILING.
- $\langle 2
 angle$ waterproofing membrane continue over joint.
- $\langle 3 \rangle$ REINFORCING FIBER MESH OVER JOINT.
- 4 SEALANT

_____9

- $\langle 5 \rangle$ ROUNDED BACK-UP WITH NO BOND TO SEALANT.
- $\langle 6 \rangle$ COMPRESSIBLE BACK-UP.
- $\langle 7 \rangle$ NEW CONCRETE SLAB REFER STRUCTURAL DRAWINGS.
- $\langle 8 \rangle$ EXISTING CONCRETE SLAB
- $\langle 9 \rangle$ DOWELING REFER STRUCTURAL DRAWINGS.
- (10) END PROFILE EXTRUSION AT CONCRETE FLOOR ELEVATION TRANSITION. COORDINATE EXACT LOCATION WITH FREEZER INSTALLER.
- (11) NEW FREEZER ENCLOSURE COORDINATE EDGE DETAILING WITH FREEZER INSTALLER.
- (12) EXISTING CERAMIC TILE FLOORING REPAIR AS NEEDED FROM ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES.
- 4" RIGID INSULATION REFER SPECIFICATIONS SECTION 072100 -THERMAL INSULATION.
- $\langle 14 \rangle$ 2X REDWOOD REFER STRUCTURAL DETAILS.



STATE OF MISSOURI



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PROJECT # C2008-01 7004 SITE # 9327004030 ASSET #

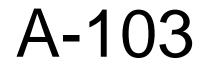
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ISSUE DATE: 6/2/2023	

CAD DWG FILE: A-103.DWG DRAWN BY: <u>MWR</u> CHECKED BY: <u>RFS</u> DESIGNED BY: <u>MWR</u>

SHEET TITLE: ARCHITECTURAL DETAILS AREA D SUPPORT BUILDING

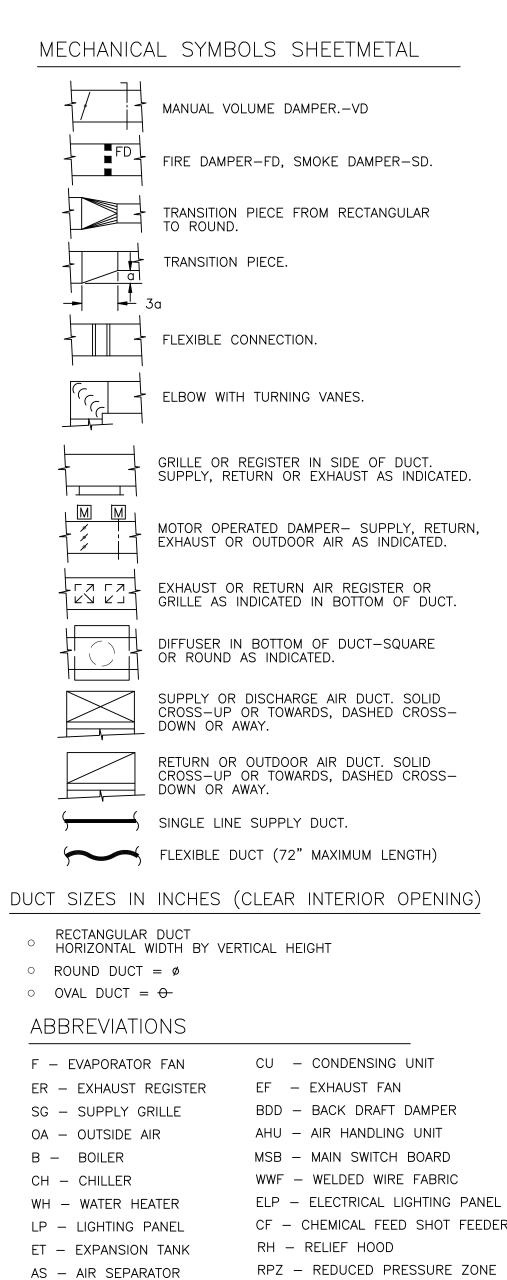
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GENERAL SCOPE OF WORK REQUIREMENTS:

SCOPE OF WORK INCLUDES THE REPLACEMENT OF THE FREEZERS, THEIR UNDER FLOOR SLABS, AND THEIR SUPPORT SYSTEMS AT THE TIPTON CORRECTIONAL CENTER.

- 1. ALL MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE (IMC) 2021 AND ASHRAE 90.1 2016 ENERGY STANDARD FOR BUILDINGS.
- 2. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE EXISTING BUILDINGS LAYOUTS, EQUIPMENT PADS, STRUCTURES, PIPING, ETC.
- PERFORM ALL PLUMBING WORK IN ACCORDANCE INTERNATIONAL PLUMBING CODE (IPC) 2021 AND LOCAL CODES.
 ALL ELECTRICAL WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH NFPA 70, 2020 NATIONAL ELECTRICAL CODE AND AND
- SUPPLEMENTARY STATE AND LOCAL CODES.



CONTROLS DEVICE SYMBOLS

- DPLOCAL GAUGE OR DEVICETITBAS CONTROL DEVICETTEMPERATURE SENSOR
- M MOTION SENSOR

MECHANICAL SYMBOLS PIPING SPECIALTIES

MECHANICAL SYMBOLS PLUMBING

	O I ⊖I —IOI —IOI —IOI	ELBOW TURNED UP OR TOWARDS. ELBOW TURNED DOWN OR AWAY. TEE TURNED UP OR TOWARDS. TEE TURNED DOWN OR AWAY. ARROW IN LINE INDICATES DIRECTION OF FLOW.
		PITCH DOWN IN DIRECTION OF ARROW.
		GATE VALVE.
		BALL VALVE.
		ANGLE GATE VALVE.
		ANGLE GLOBE VALVE.
	───┤ ∮ ├─── ╮┳⊿	BUTTERFLY VALVE.
		AUTOMATIC CONTROL VALVE, TWO-WAY. AUTOMATIC CONTROL VALVE, THREE-WAY.
		PRESSURE REGULATING VALVE.
		GAS COCK VALVE
		CHECK VALVE.
		UNION.
	<u>ل</u> م	PRESSURE RELIEF OR SAFETY VALVE.
		REDUCED PRESSURE BACKFLOW ASSEMBLY
	BFP	BACKFLOW PREVENTER.
		CONSTANT FLOW VALVE
	$-\phi$	FLOW CONTROL VALVE.
		PLUG VALVE.
		STRAINER.
		PIPE GUIDE. PIPE ANCHOR.
		FLEXIBLE PIPE CONNECTION.
	HB	HOSE BIB
	^? AAV	AUTOMATIC AIR VENT.
		AIR ELIMINATOR
	₽	WATER HAMMER ARRESTER
	Q	VACUUM BREAKER.
	¤	PETE'S PLUG. PRESSURE AND TEMPERATURE TEST STATION.
		PRESSURE GAUGE.
		THERMOMETER.
-		STEAM TRAP. F=FLOAT, T=THERMOSTATIC, D=THERMODYNAMIC.
R		CONCENTRIC REDUCER.
		ECCENTRIC REDUCER.
	(D	IN-LINE CIRCULATION PUMP

$\bigcirc +$	CLEANOUT. CO=CLEANOUT, FCO= FLOOR MOUNTED CLEANOUT
— FT — —	FOOTING OR UNDER FLOOR DRAIN TILE.
S	SANITARY DRAIN LINE.
	PLUMBING VENT. V=VENT, VTR=VENT THRU ROOF, AV=ACID VENT.
	DOMESTIC COLD WATER-CW.
	DOMESTIC HOT WATER-HW.
	(120° UNLESS NOTED OTHERWISE).
	DOMESTIC HOT WATER CIRCULATING-HWC.
——GAS ——	NATURAL GAS
	FLOOR DRAIN-FD
(\bigcirc)	ROOF DRAIN-RD, DOWNSPOUT-DS.
CW	COLD WATER
—— НW ———	HOT WATER
— НWС ——	HOT WATER CIRCULATING
— v ——	VENT
	VENT THRU ROOF
—— FCO ——	FLOOR CLEANOUT
— wco —	WALL CLEANOUT
—— TMV ——	TEMPERED MIXING VALVE
—— CHS ——	CHILLED/HOT WATER SUPPLY
—— CHR ——	CHILLED/HOT WATER RETURN
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTION PIPING
— st —	LOW PRESSURE STEAM
— D —	CONDENSATE DRAIN PIPING
— HWS —	HEATING HOT WATER SUPPLY
	LIEATING LIGT WATER RETURN

MISCELLANEOUS

\bullet	POINT OF NEW CONNECTION TO EXISTING.
//////.	EXISTING WORK TO BE REMOVED.
	EXISTING WORK
	NEW WORK
\bigcirc	MECHANICAL EQUIPMENT CALL-OUT
S	BASE MOUNTED PUMP

GENERAL HVAC NOTES:

- 1. COORDINATE FINAL LOCATIONS OF DUCTWORK, AND MECHANICAL EQUIPMENT WITH LIGHTING, STRUCTURE, PIPING, SPRINKLER, DUCTWORK, ETC. PROVIDE OFFSETS, EASEMENTS OR RELOCATE DUCT AS REQUIRED TO AVOID CONFLICTS WITH WORK OF ALL TRADES.
- 2. SUPPORT ALL DUCTWORK, EQUIPMENT, ETC. FROM TOP CHORD OF JOISTS OR STEEL FRAMING BEAMS.
- 3. UNLESS OTHERWISE INDICATED NO MECHANICAL SERVICES OR EQUIPMENT SHALL BE LOCATED OVER ELECTRICAL EQUIPMENT OR TELEPHONE EQUIPMENT ROOMS.
- 4. SPRAY WASH ALL COOLING AND HEATING COILS TO REMOVE ALGAE, OIL, FILM, DUST, ETC. USE CHEMICALS AS REQUIRED TO PROVIDE COMPLETE CLEANING.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





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REPLACE FREEZERS CENTRAL SERVICES BUILDING

TIPTON CORRECTIONAL CENTER 619 N OSAGE AVE TIPTON, MO 65081

PROJECT #C2008-01SITE #7004ASSET #9327004030

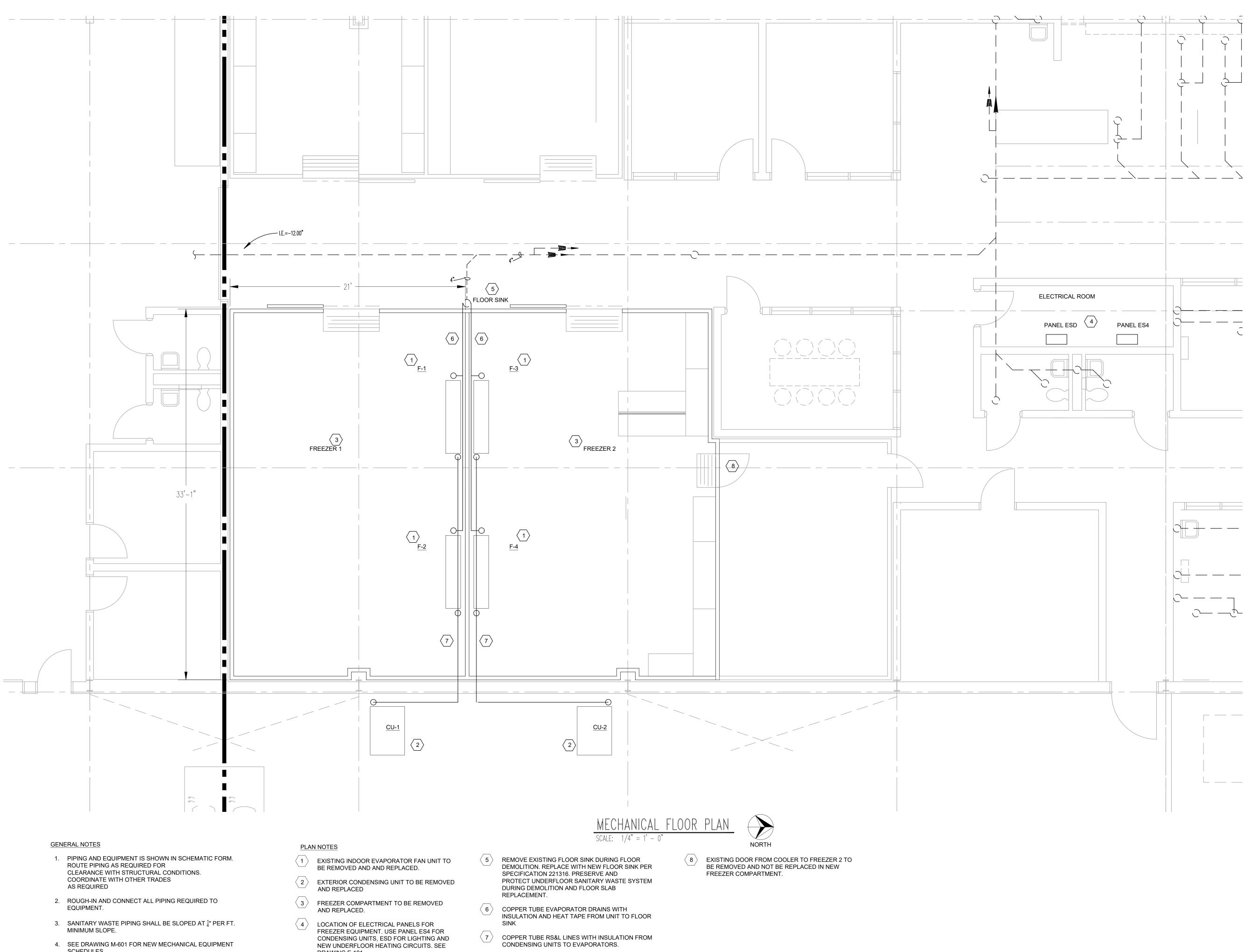
REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 6/2/2023

CAD DWG FILE:M-001.DWG DRAWN BY: PFS CHECKED BY: RFS DESIGNED BY: RFS

SHEET TITLE: MECHANICAL LEGEND AND NOTES

M-001

SHEET NUMBER:



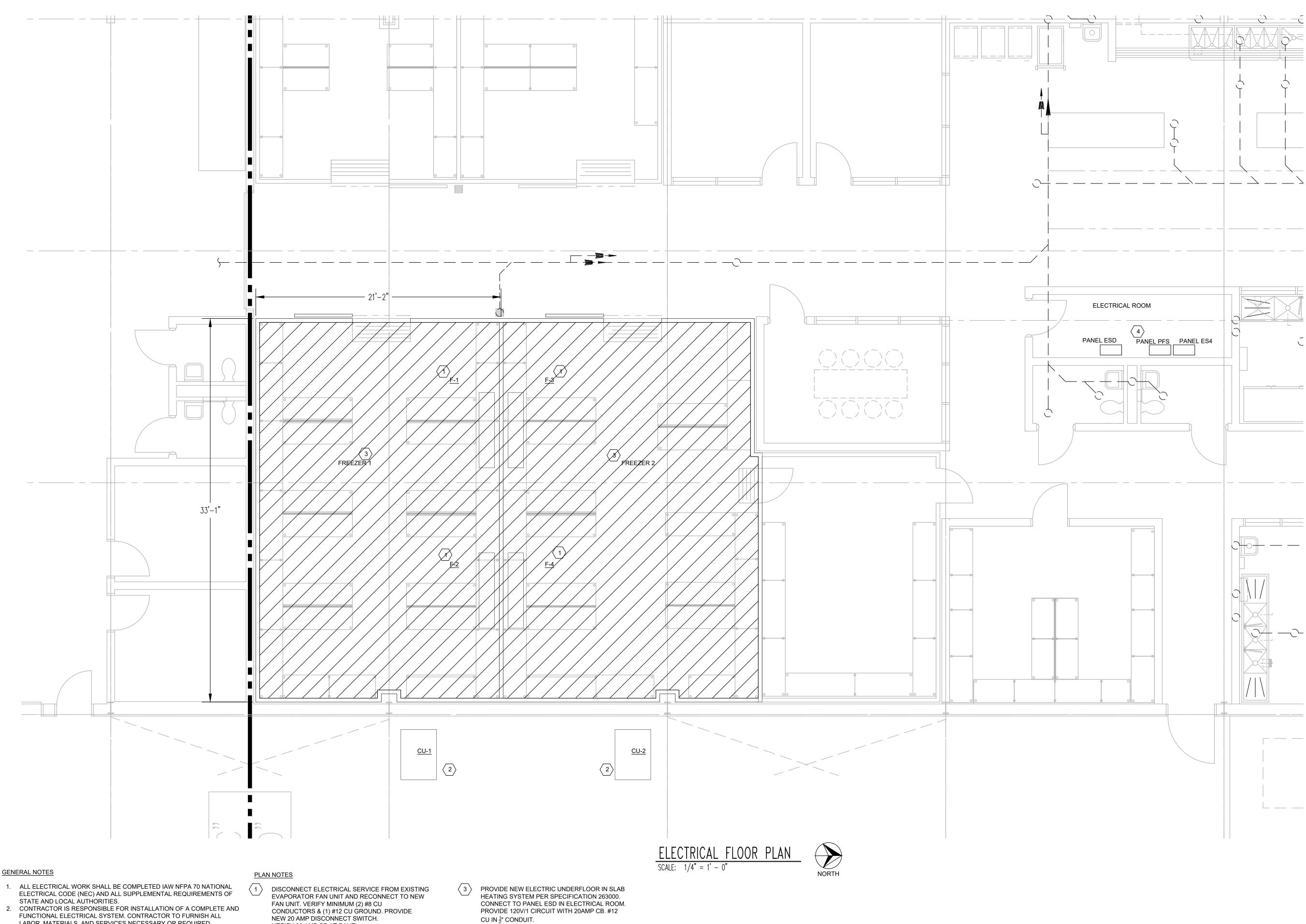
- 4. SEE DRAWING M-601 FOR NEW MECHANICAL EQUIPMENT SCHEDULES.
- 5. SEE SPECIFICATION 114121 FOR WALK-IN FREEZER REQUIREMENTS.

- FREEZER EQUIPMENT. USE PANEL ES4 FOR CONDENSING UNITS, ESD FOR LIGHTING AND NEW UNDERFLOOR HEATING CIRCUITS. SEE DRAWING E-101.

MICHA	OF MISSOURI EL L. PARSON, DVERNOR
Cherry Martines and	ROBERT FOSDIMULT FOSDIMULT FORESSION PROFESSION 6/2/2023
1619 LEE'S	SWORDS ENGINEERING NE OAK TREE DR. SUMMIT MO 64086 0099 Robert7721@aol.com
MO STA AUTH OFFICE	ATE CERTIFICATE OF HORITY#2016003099
MANAGI AND CON	N OF FACILITIES EMENT, DESIGN NSTRUCTION E FREEZERS L SERVICES BUILDING
TIPTON C CENTER 619 N OSA TIPTON, I	CORRECTIONAL AGE AVE
REVISION:_ DATE:_ REVISION:_ DATE:_	
DRAWN BY CHECKED F DESIGNED SHEET TITL MECHA AREA [BY: <u>RFS</u> BY: <u>RFS</u> LE: NICAL PLAN
SHEET NUN	^{MBER:}

			UNIT IDENT	IFICATION								SUPPLY	(FAN				ļ	DF	EFROST
PLAN	LOCATION /	UNIT	UNIT	1	BASIS OF DESIGN		FAN	CAPACITY	DESIG	GN			FAN DATA			MOTOR D	ATA	A WATTS AMP	
MARK	AREA SERVED	TYPE	ARRANGEMENT	MANU	MODEL	REFIGERANT	(CFM)	(BTU/HR)	TEMPERA	TURE	NO SPEED		DIA RPM						
					SERIES				TD	SST			(IN.)		HP	BHP	VOLTS/PH/HZ	1	
-1,2,3,4	FREEZER ENCLOSURE	FAN COIL	HORIZONTAL COIL	CLIMATE CONTROL	CEL0205BS6EMAB0200	R448A	2562	20100	7.9	-19.9	4	2 SPEED	12"	BY MANU	0.1	0.1	208-230/1/60	4200	18
AN	LOCATION /			IFICATION				DX COOL	NG CAPACITY TEMPERS		COMP RLA	RESSORS	ELECTRICAL DATA FAN MOTORS	FLA		FROST]	<u> </u>	
	LOCATION / AREA SERVED	UNIT		IFICATION BASIS OF	DESIGN		COOLING		NG CAPACITY TEMPERS	TURES		RESSORS	FAN MOTORS		AIR DE	FROST		<u> </u>	
	LOCATION / AREA SERVED		UNIT IDENT	IFICATION		COMPRESSOR		DX COOL	NG CAPACITY			RESSORS			AIR DE	FROST	_	<u> </u>	
MARK	AREA SERVED OUTDOOR	UNIT TYPE COND	MANU	IFICATION BASIS OF MODEL SERIES	DESIGN REFIGERANT	COMPRESSOR HP	COOLING TOTAL (BTU/HR)	DX COOL CAPACITY AWEF	NG CAPACITY TEMPERS AMB TEMP (DEG. F)	TURES SST (DEG. F)	RLA	RESSORS LRA	FAN MOTORS QTY - HP	FLA	AIR DE MCA	FROST MOPD		<u> </u>	
PLAN MARK CU-1,2	AREA SERVED	UNIT TYPE	MANU	IFICATION BASIS OF MODEL SERIES	DESIGN REFIGERANT	COMPRESSOR	COOLING		NG CAPACITY TEMPERS AMB TEMP	TURES SST		RESSORS	FAN MOTORS		AIR DE	FROST		<u> </u>	
/ARK	AREA SERVED OUTDOOR	UNIT TYPE COND	MANU	IFICATION BASIS OF MODEL SERIES	DESIGN REFIGERANT	COMPRESSOR HP	COOLING TOTAL (BTU/HR)	DX COOL CAPACITY AWEF	NG CAPACITY TEMPERS AMB TEMP (DEG. F)	TURES SST (DEG. F)	RLA	RESSORS LRA	FAN MOTORS QTY - HP	FLA	AIR DE MCA	FROST MOPD			

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
ROBERT FOSTIMUT FOSTI
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REPLACE FREEZERS CENTRAL SERVICES BUILDING
TIPTON CORRECTIONAL CENTER 619 N OSAGE AVE TIPTON, MO 65081 PROJECT # C2008-01 SITE # 7004 ASSET # 9327004030
REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 6/2/2023
CAD DWG FILE: M-601.DWG DRAWN BY: RFS CHECKED BY: RFS DESIGNED BY: RFS
SHEET TITLE: MECHANICAL SCHEDULES
sheet number: M-601



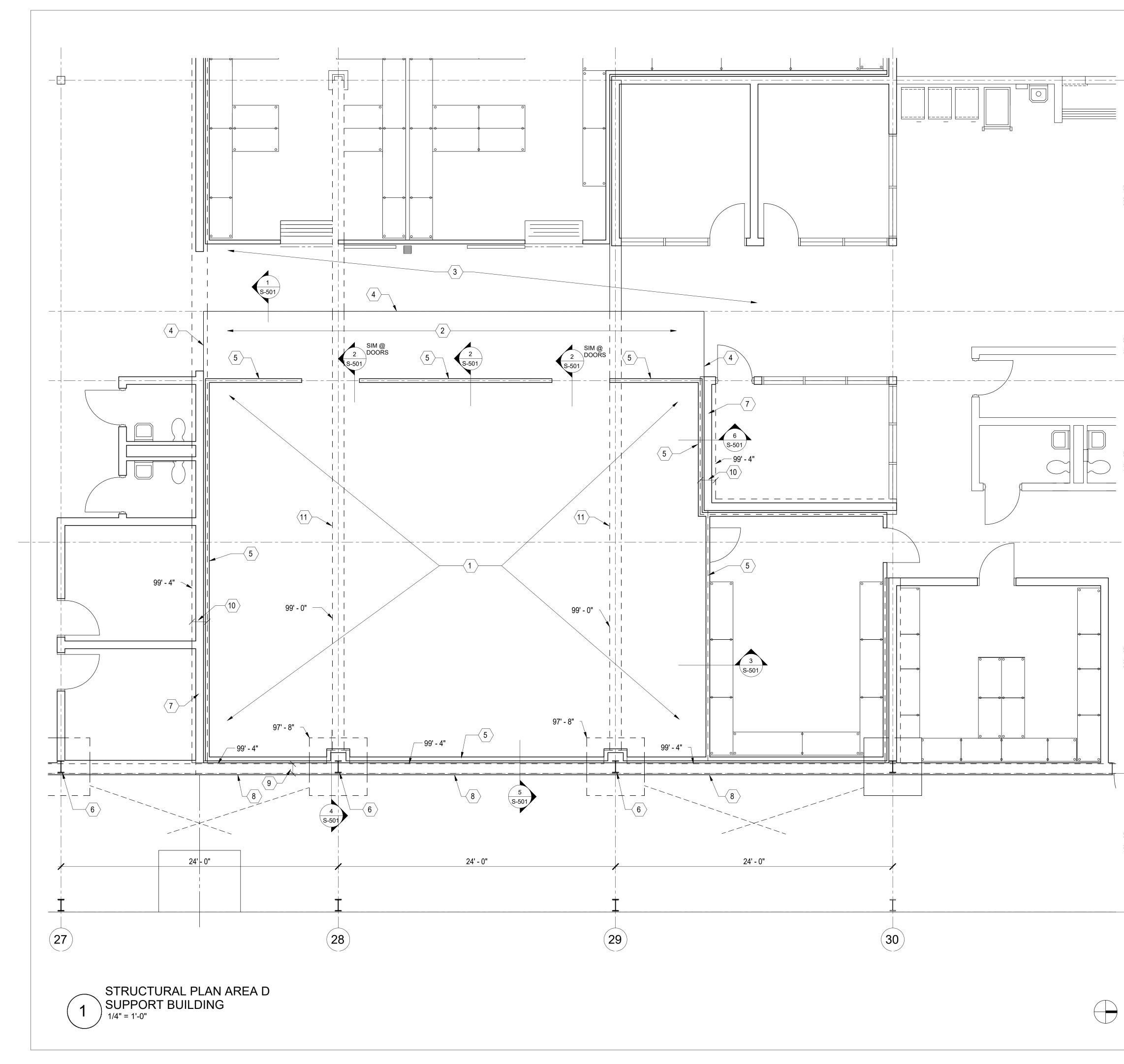
GENERAL NOTES

- ELECTRICAL CODE (NEC) AND ALL SUPPLEMENTAL REQUIREMENTS OF
- FUNCTIONAL ELECTRICAL SYSTEM. CONTRACTOR TO FURNISH ALL LABOR, MATERIALS, AND SERVICES NECESSARY OR REQUIRED.
- 3. ALL ELECTRICAL CONDUCTORS ARE TO BE INSTALLED IN METAL RACEWAYS, UNLESS SPECIFIED OR NOTED OTHERWISE. CONDUIT MAY BE GALVANIZED STEEL OR RIGID ALUMINUM. NO CONDUIT SMALL THAN $rac{1}{2}$ "
- SHALL BE USED. 4. FIRE SEAL ANY ELECTRICAL PENETRATIONS THRU WALLS PER
- SPECIFICATION 078413.
- 5. TERMINATE ANY ELECTRICAL WIRING OF REMOVED ELECTRICAL DEVICES TO NEAREST JUNCTION BOX DURING DEMOLITION.
- 6. EXTEND ELECTRICAL FEED IN COMPLIANCE WITH CODE TO ANY DEVICES THAT ARE RELOCATED DURING DEMOLITION PHASE.

- VERIFY 30 AMP CB AT PANEL.
- 2 DISCONNECT ELECTRICAL SERVICE FROM EXISTING CONDENSING UNIT AND RECONNECT TO NEW CONDENSING UNIT. VERIFY MINIMUM (3) #12 CU CONDUCTORS & (1) #12 CU GROUND. PROVIDE NEW 30 AMP DISCONNECT SWITCH.

 $\langle 4 \rangle$ LOCATION OF ELECTRICAL PANELS FOR FREEZER EQUIPMENT. USE PANEL ES4 FOR CONDENSING UNITS, PSF AND ESD FOR FREEZER LIGHTING AND NEW UNDERFLOOR HEATING CIRCUITS.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
ROBERT FOSCHWEIT FOSCHWEIT E-27183 6/2/2023
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CAD DWG FILE: E-101.DWG DRAWN BY: <u>RFS</u> CHECKED BY: <u>RFS</u> DESIGNED BY: <u>RFS</u> SHEET TITLE: ELECTRICAL PLAN
AREA D SUPPORT BUILDING SHEET NUMBER:
E-101 8 OF 10 SHEETS JUNE 2, 2023



PLAN NOTES:

-**∖**--(E)

∖-(D

(C.7)

-**∖** (C

B

(**A**

- 5" CONCRETE SLAB-ON-GRADE WITH #4 @ 18" ON CENTER, EACH WAY CENTERED IN SLAB ON 4" INSULATION (40 PSI $\langle 1 \rangle$ MINIMUM) PER ARCH ON 15 MIL VAPOR BARRIER ON 4" (MINIMUM) CLEAN GRAVEL FILL PER SPECIFICATION 312000 EARTHMOVING, SECTION 2.1 w/ SLAB HEATING SYSTEM PER SPECIFICATION 263000 ON PROPERLY COMPACTED SUB-GRADE PER SPECIFICAITON 312000 EARTHMOVING, SECTION 3.9 AND DETAIL 8/S-501. TOP OF CONCRETE SLAB = MATCH EXISTING AND REFERENCE ARCHITECTURAL DRAWINGS.
- 5" CONCRETE SLAB-ON-GRADE WITH #4 @ 18" ON CENTER, EACH WAY CENTERED IN SLAB ON 15 MIL VAPOR BARRIER ON 4" (MINIMUM) CLEAN GRAVEL FILL PER SPECIFICATION 312000 EARTHMOVING, SECTION 2.1 ON PROPERLY COMPACTED SUB-GRADE PER SPECIFICAITON 312000 EARTHMOVING, SECTION 3.9 AND DETAIL 8/S-501. TOP OF CONCRETE SLAB = MATCH EXISTING AND REFERENCE ARCHITECTURAL DRAWINGS.
- EXISTING 5" SLAB ON GRADE. EXISTING SLAB ELEVATION = +/- $\langle 3 \rangle$ 100'-0", VERIFY IN FIELD.
- 4 NEW SLAB EDGE TO ADJOIN EXISTING SLAB, COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.
- 5 NEW FREEZER WALL PAINEL SHOWINT ON NET REPORT ONLY. REFERENCE ARCHITECTURAL AND FREEZER PANEL NEW FREEZER WALL PANEL SHOWN FOR REPRESENTATION SUPPLIER DRAWINGS FOR ADDITIONAL INFORMATION.
- 6 EXISTING COLUMN, BASEPLATE, PILASTER AND ISOLATED FOOTING BELOW TO REMAIN UNDISTURBED.
- TO PROVIDE SHORING AND BRACING DURING CONSTRUCTION EXISTING CMU WALL TO REMAIN UNDISTURBED. CONTRACTOR AS REQUIRED.
- EXISTING EXTERIOR METAL BUILDING WALL & GIRTS TO $\langle 8 \rangle$ REMAIN UNDISTURBED.
- EXISTING EXTERIOR FOUNDATION WALL TO REMAIN 9 UNDISTURBED. TOP OF FOOTING ELEVATIONS SHOWN ON PLAN. VERIFY IN FIELD.
- EXISTING INTERIOR CONTINUOUS WALL FOOTING TO REMAIN (10) UNDISTURBED. TOP OF FOOTING ELEVATIONS SHOWN ON PLAN. VERIFY IN FIELD.
- EXISTING TIE BEAM TO REMAIN UNDISTURBED. TOP OF TIE $\langle 11 \rangle$ BEAM ELEVATIONS SHOWN ON PLAN. VERIFY IN FIELD.

GENERAL NOTES:

1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE BASED ON SURVEYS MADE BY THE CONSULTANT(S) AS WELL AS MATERIAL PROVIDED BY THE OWNER AND NO CLÀIM IS MADE TO ITS ABSOLUTE COMPLETENESS AND/OR ACCURACY.

2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. CONTRACTOR SHALL REPORT ANY INCONSISTENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTROL ELEVATION IS 100' FOR FINISHED FLOOR

3. BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE

4. FLOOR LIVE LOADS:

FREEZER STORAGE (NON-REDUCED) 150 PSF CONCENTRATED LOAD ON FLOORS

5. CONCRETE:

2000 LBS

A. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE DOCUMENTS, ACI-301, 305, 306, 315, 318 AND 347 AND CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF STANDARD PRACTICE UNLESS OTHERWISE NOTED IN THESE CONTRACT DOCUMENTS.

B. ALL CONCRETE, UNLESS OTHERWISE NOTED, SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI AND HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45. SLUMP LIMIT 4" +/- 1".

6. REINFORCING STEEL:

A. REINFORCING SHALL BE DETAILED, FABRICATED, PLACED, AND SUPPORTED IN ACCORDANCE WITH ACI 315, LATEST EDITION.

B. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60

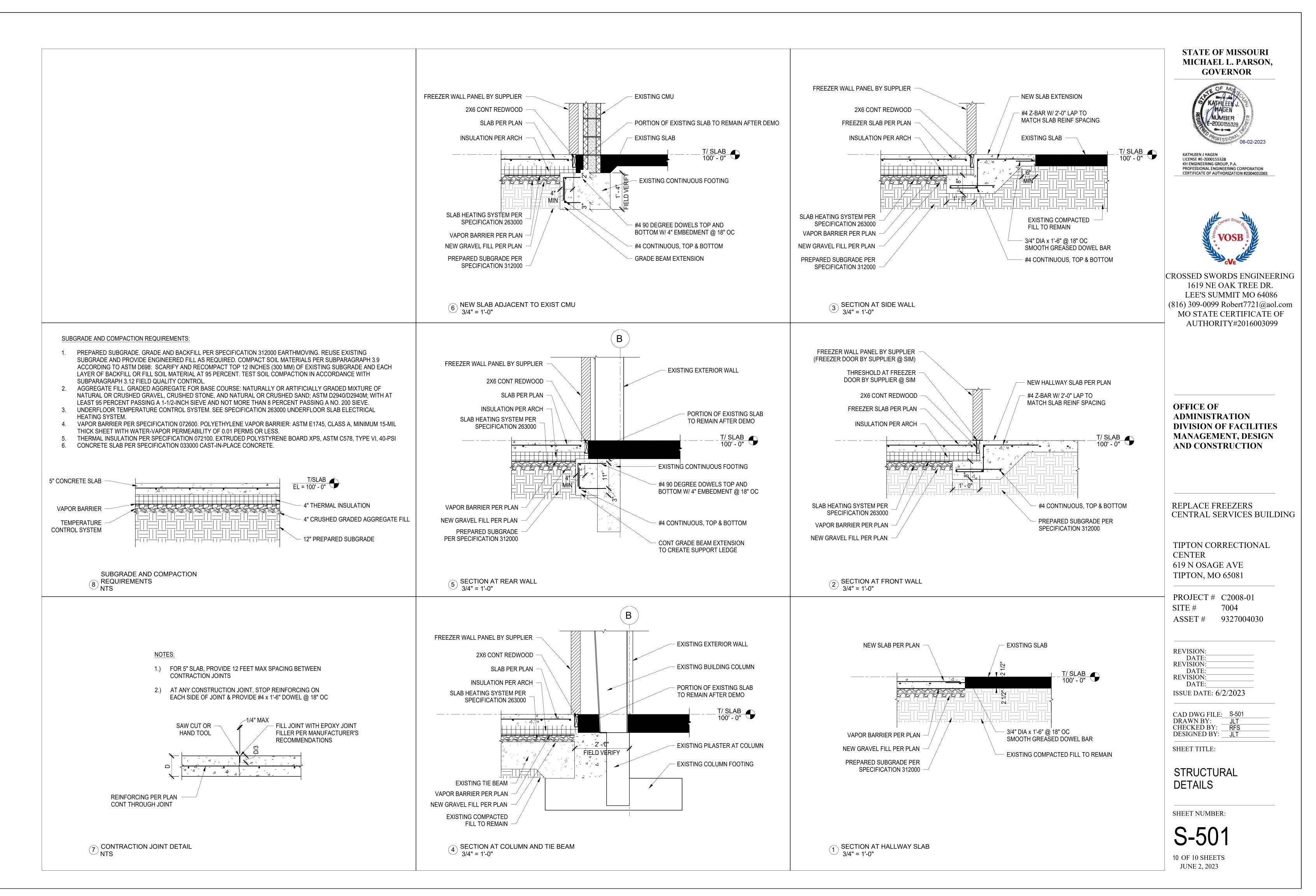
EXISTING BUILDING	_	
K	EY PLAN	APPROXIMATE LOCATION OF WORK

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
G KATHILEEN J. MAGEN NUMBER E-2000155328 PROFESSIONAL 06-02-2023
KATHLEEN J HAGEN LICENSE #E-2000155328 KH ENGINEERING GROUP, P.A. PROFESSIONAL ENGINEERING CORPORATION CERTIFICATE OF AUTHORIZATION #2004032065
CONSECTION OF STATE OF STATE OF STATE CERTIFICATE OF AUTHORITY#2016003099
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
REPLACE FREEZERS CENTRAL SERVICES BUILDING
TIPTON CORRECTIONAL CENTER 619 N OSAGE AVE TIPTON, MO 65081
PROJECT #C2008-01SITE #7004ASSET #9327004030
REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 6/2/2023
CAD DWG FILE: S-101
DRAWN BY: JLT CHECKED BY: RFS DESIGNED BY: JLT

SUPPORT BUILDING

SHEET NUMBER:

S-101 9 OF 10 SHEETS JUNE 2, 2023



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