Construct New 44 Soldier Barracks - Building 758 Camp Crowder Training Site Neosho, Missouri







CIVIL ENGINEER



OWN

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STRUCTURAL ENGINEER



MECHANICAL / ELECTRICAL ENGINEER



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OWNER: DEPARTMENT OF THE MISSOURI NATIONAL GUARD

OFFICE OF THE ADJUTANT GENERAL FACILITIES MANAGEMENT OFFICE

PROJECT DEPARTMENT OF THE MISSOURI NATIONAL GUARD MANAGEMENT: OFFICE OF THE ADJUTANT GENERAL

NT: OFFICE OF THE ADJUTANT GENERAL FACILITIES MANAGEMENT OFFICE

| Powerwise | Allacouster | Al

DESIGNER: Gaskin Hill Norcross of Missouri, Inc.

PROJECT NUMBER: T2337-01

SITE NUMBER: 6260

ASSET NUMBER: 8136260012

BUILDING NUMBER: 758

— CAMP CROWDER TRAINING SITE

SITE LOCATION

N.T.S.



SCOPE OF WORK CONTACT INFORMATION MANUAL SECTION NAME REFERENCE ANISHED OWNER STALLED OWNER (CSI) (SECTIONS OWNER FURNISHED AND SECTION **INSTALLED NOT INCLUDED IN PROJECT** POINT OF CONTACT, MANUAL - FOR REFERENCE ONLY) PHONE (P), CELL (C), OR **COMPANY & ADDRESS** NUMBER EMAIL (E) STATE OF MISSOURI OFFICE OF ADMINISTRATION SUMMARY OF WORK JEREMY NEWTON, DIVISION OF FACILITIES MANAGEMENT GENERAL BUILDING PERMIT (NOT REQUIRED) PROJECT MANAGER DESIGN & CONSTRUCTION STATE DEPARTMENT OF NATURAL (C): (573) 308-6894 HARRY S TRUMAN STATE OFFICE BUILDING RM. RESOURCES PERMIT (NOT REQUIRED) (E): jeremy.l.newton.nfg@army.mil JEFFERSON CITY, MO 65102 SUMMARY OF WORK (ALL TRADE PERMITS, UTILITY IMPACT AND (TO BE DETERMINED) (TO BE DETERMINED) 01 11 00 CONNECTION FEES, OR PERMITS AND FEES REQUIRED FOR PROJECT COMPLETION) SPECIAL INSPECTIONS AND PROCEDURES OWN, INC. AARON HARGRAVE (REFER TO SECTION FOR ADDITIONAL 811 E 3rd St. (E): ahargrave@weareown.com 01 45 33 JOPLIN, MISSOURI 64801 (P): (417) 782-7399 REQUIREMENTS) DOOR HARDWARE DEPARTMENT OF PUBLIC SAFETY (LOCK CORES AND KEYS - CONTRACTOR TO JEREMY NEWTON, MISSOURI ARMY NATIONAL GUARD SUBMIT LIST OF MATERIALS REQUIRED FOR PROJECT MANAGER X CONSTRUCTION AND FACILITIES MANAGEMENT OWNER TO SUBMIT ORDER TO HARDWARE (C): (573) 308-6894 MANUFACTURER. COST OF MATERIALS AND (E): jeremy.l.newton.nfg@army.mil 6819 NORTH BOUNDARY ROAD DELIVERY BY CONTRACTOR) JEFFERSON CITY, MISSOURI 65101 COMMERCIAL EQUIPMENT OWNER'S DESIGNATED PROJEC (TO BE DETERMINED) 11 20 00 (VENDING EQUIPMENT & ICE MACHINE) MANAGER STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY JEREMY NEWTON, MISSOURI ARMY NATIONAL GUARD SHOWER CURTAINS PROJECT MANAGER X CONSTRUCTION AND FACILITIES MANAGEMENT 12 44 16 (SHOWER CURTAINS AND HOOKS) (C): (573) 308-6894 (E): jeremy.l.newton.nfg@army.mil 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101 DORMITORY FURNITURE (BEDS, NIGHT STANDS, LOCKERS, SEATING, OWNER'S DESIGNATED PROJEC 12 56 43 (TO BE DETERMINED) TABLES, RECYCLING CONTAINERS, FREE MANAGER STANDING WASTE CONTAINERS) STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY JEREMY NEWTON, INTEGRATED AUTOMATION MISSOURI ARMY NATIONAL GUARD PROJECT MANAGER X CONSTRUCTION AND FACILITIES MANAGEMENT 25 00 00 (ENERGY MANAGEMENT SYSTEM -(C): (573) 308-6894 COORDINATION TO EXISTING SITE SYSTEM) (E): jeremy.l.newton.nfg@army.mi 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101 COMMUNICATIONS SYSTEMS STRUCTURED OWNER'S DESIGNATED PROJEC (TO BE DETERMINED) CABLING MANAGER (CONDUIT, HARDWARE, WIRING, EQUIPMENT) STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY JEREMY NEWTON, MISSOURI ARMY NATIONAL GUARD COMMUNICATIONS SYSTEMS STRUCTURED PROJECT MANAGER CONSTRUCTION AND FACILITIES MANAGEMENT CABLING (C): (573) 308-6894 (FIBER CABLING) OFFICE (E): jeremy.l.newton.nfg@army.mil 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101 FIRE DETECTION AND ALARM 28 46 00 (ENTIRE SYSTEM INCLUDING HARDWARE, (TO BE DETERMINED) (TO BE DETERMINED) CONDUIT, WIRING, EQUIPMENT) STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY JEREMY NEWTON, MISSOURI ARMY NATIONAL GUARD FIRE DETECTION AND ALARM PROJECT MANAGER 28 46 00 CONSTRUCTION AND FACILITIES MANAGEMENT (REMOTE MONITORING SERVICE) (C): (573) 308-6894 OFFICE (E): jeremy.l.newton.nfg@army.mil 6819 NORTH BOUNDARY ROAD

SCOPE OF WORK SCHEDULE NOTES:

1. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OWNER FURNISHED MATERIALS.

JEFFERSON CITY, MISSOURI 65101

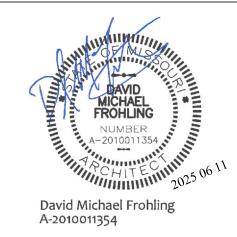
SHEET INDEX

SHEE	T NO.	SHEET NAME
G-001		COVER SHEET
G-002		SHEET INDEX / SCOPE OF WORK SCHEDULE
G-101		CODE ANALYSIS PLAN
C-100		SITE SURVEY
C-101		SITE DEVELOPMENT PLAN
C-102		SITE DEVELOPMENT DETAILS
C-103		SITE GRADING / EROSION CONTROL PLAN
C-104		SITE UTILITY PLAN
C-501		MISCELLANEOUS SITE DETAILS
A-101		FLOOR PLAN
A-102		ROOF PLAN
A-201		EXTERIOR ELEVATIONS
A-301		BUILDING SECTIONS
A-401		WALL SECTIONS
A-402		WALL SECTIONS
A-403		WALL SECTIONS
A-404		ENLARGED PLAN, INTERIOR ELEVATIONS
A-501		MISCELLANEOUS DETAILS
A-601		DOOR AND WINDOW SCHEDULES
A-701		REFLECTED CEILING PLAN
I-101		INTERIOR FINISH PLAN
S-000		GENERAL NOTES
S-001		GENERAL NOTES & DETAILS - LGMF
S-002		SPECIAL INSPECTIONS
S-101		FOUNDATION PLAN
S-201		FOUNDATION DETAILS
SE-101		SITE LIGHTING PLAN
P-101		PLUMBING PLANS
P-401		ENLARGED PLUMBING PLAN & SCHEDULES
M-101		HVAC PLAN, SCHEDULES & DETAILS
E-101		LIGHTING PLAN
E-102		POWER PLAN
E-103		FIRE ALARM SYSTEM PLAN

GENERAL NOTES

- $\langle \mathsf{A} \rangle$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- THE ARCHITECT AND ENGINEER'S RESPONSIBILITY IS ONLY FOR THE INFORMATION INCLUDED WITHIN THE CONSTRUCTION DOCUMENTS. ALL OTHER DOCUMENTS AND INSTRUMENTS REQUIRED FOR COMPLETION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE HEREBY DISCLAIMED.
- QUALITY STANDARD AND BUILDING CODE ALL CONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING THE QUALITY AND PUBLIC SAFETY REGULATIONS SET FORTH IN THE GOVERNING CODES AND OTHER APPLICABLE REGULATIONS OF LOCAL AND STATE AGENCIES HAVING JURISDICTION WHICH GOVERN EACH CONTRACTOR'S WORK.
- THE ARCHITECT AND ENGINEER IS NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT INSPECTION OF THE WORK IN PROGRESS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION, THE ARCHITECT AND ENGINEER DOES NOT DELEGATE THEIR AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF THEIR PLANS OR SPECIFICATIONS.
- FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





ABBREVIATIONS LEGEND

AFF			
	ABOVE FINISHED FLOOR	INSUL	INSULATE
AC	ACOUSTICAL	INT	INTERIOR
A/C	AIR CONDITIONING	JST	JOIST
ALT	ALTERNATE	JT	JOINT
AL ALUM	ALUMINUM	JNT KIT	JOINT KITCHEN
ALUM	ALUMINUM ANCHOR BOLT	LH	LEFT HAND
ARCH	ARCHITECT (URAL)	LF	LINEAL FOOT
BSMT	BASEMENT	LTL	LENGTH
BRG	BEARING	L	LINTEL
BM	BENCH MARK	LL	LIVE LOAD
BEL	BELOW	MACH	MACHINE
BLK	BLOCK	MH	MANHOLE
BLKG	BLOCKING	MFR	MANUFACTURER
BD	BOARD	MAS	MASONRY
BW	BOTH WAYS	MO	MASONRY OPENING
BOT	BOTTOM OF FOOTING	MAX	MAXIMUM
BF	BOTTOM OF FOOTING	MECH	MECHANIC(AL)
BOF BRK	BOTTOM OF FOOTING BRICK	MED MBR	MEDIUM MODIFIED BITUMEN ROOFING
BLDG	BUILDING	MET	METAL
BUR	BUILT-UP ROOFING	MTL	METAL
CAB	CABINET	M	METER(S)
CLG	CEILING	MWK	MILLWORK
CL	CENTER LINE	MIN	MINIMUM
C/O	CENTER OF	MISC	MISCELLANEOUS
CC	CENTER TO CENTER	MT	MOUNT(ED), (ING)
CLR	CLEAR	NOM	NOMINAL
COL	COLUMN	N	NORTH
CONC	CONCRETE	NIC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NTS	NOT TO SCALE
CONST	CONSTRUCTION	OC	ON CENTER(S)
CONTR	CONTRACTOR	OPG	OPENING
CONT	CONTINUOUS	OPH	OPPOSITE HAND
CNTR	COUNTER	OD	OUTSIDE DIAMETER
CFL	COUNTER FLASHING	00	OUT TO OUT
CISK	COURSE(S)	OA	OVERALL OVERHEAD
CRS CF	COURSE(S) CUBIC FOOT	OH PC	OVERHEAD PIECE
CY	CUBIC YARD	PNT	PAINT(ED)
DL	DEAD LOAD	PTD	PAINT(ED)
DEM	DEMOLISH, DEMOLITION	PKG	PARKING
DTL	DETAIL	PLAM	PLASTIC LAMINATE
DIAG	DIAGONAL	PL	PLATE
DIAM	DIAMETER	PWD	PLYWOOD
DIM	DIMENSION	PVC	POLYVINYL CHLORIDE
DR	DOOR	PSF	POUNDS PER SQUARE FT.
DS	DOWN SPOUT	PSI	POUNDS PER SQUARE IN.
D	DRAIN	PT	PRESSURE TREATED
DWG	DRAWING	PL	PROPERTY LINE
DF	DRINKING FOUNTAIN	REM	REMOVE
E	EAST	RET	RETURN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	RH	RIGHT HAND
ELEC	ELECTRIC(AL)	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RFG	ROOFING
EL .	ELEVATION	RM	ROOM
ELEV	ELEVATION	RO	ROUGH OPENING
ELEV EMER	ELEVATOR EMERGENCY	SNT SLNT	SEALANT SEALANT
EQ	EQUAL	SEC	SECTION
EXG	LQUAL	3LU	SECTION
	FXISTING	SECT	SECTION
FXIST	EXISTING EXISTING	SECT	SECTION SHEATHING
EXIST FXP	EXISTING	SHTHG	SHEATHING
EXP	EXISTING EXPOSED	SHTHG SHT	SHEATHING SHEET
	EXISTING	SHTHG	SHEATHING
EXP EXT	EXISTING EXPOSED EXTERIOR	SHTHG SHT SIM SC S	SHEATHING SHEET SIMILAR
EXP EXT FOF FO FOM	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY	SHTHG SHT SIM SC S SF	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT
EXP EXT FOF FO FOM FOS	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS	SHTHG SHT SIM SC S SF SI	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH
EXP EXT FOF FO FOM FOS FIN	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED)	SHTHG SHT SIM SC S SF SI SY	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD
EXP EXT FOF FO FOM FOS FIN FFE	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV.	SHTHG SHT SIM SC S SF SI SY STD	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD
EXP EXT FOF FO FOM FOS FIN FFE FFL	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE	SHTHG SHT SIM SC S SF SI SY STD STO	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE
EXP EXT FOF FOM FOS FIN FFE FFL	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER	SHTHG SHT SIM SC S SF SI SY STD STO SUS	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED
EXP EXT FOF FO FOM FOS FIN FFE FFL FE FEC	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	SHTHG SHT SIM SC S SF SI SY STO SUS SYM	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL)
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED	SHTHG SHT SIM SC S SF SI SY STD STD SUS SYM TEL	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE
EXP EXT FOF FOM FOS FIN FFE FFL FE FEC FT FLG	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION
EXP EXT FOF FOM FOS FIN FFE FFL FE FEC FT FLG FLR	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLASHING FLOOR	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS)
EXP EXT FOF FO FOM FOS FIN FFE FFL FE FEC FT FLG FLR FD	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE
EXP EXT FOF FOM FOS FIN FFE FEC FT FLG FLG FTG	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY
EXP EXT FOF FO FOM FOS FIN FFE FFL FE FEC FT FLG FLR FD	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLOOR FLOOR FLOOR FLOOR DRAIN FOOTING FOUNDATION	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FNDN	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FD FTG FDN FNDN FUR	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FURRED(ING)	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL
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EXP EXT FOF FOM FOS FIN FFE FEC FT FLG FLG FTG FTG FDN FNDN FUR GA GV	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOS TOS TW TOW TYP UON	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TOP OF WALL
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FNDN FUR GA GV GALV GC GL	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR FLOOR FLOOR FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED	SHTHG SHT SIM SC S SF SI SY STO STO SUS SYM TEL TV THK T&G TM TOM TS TOS TV TOW TYP	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TYPICAL
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EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FNDN FUR GA GV GALV GC GL	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE
EXP EXT FOF FOM FOS FIN FFE FEC FT FLG FLG FTDN FNDN FUR GAV GAL GYP GWB	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE TREATED FLOOR FLOOR FLOOR FLOOR FLOOR FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM	SHTHG SHT SIM SC S SF SI SY STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT
EXP EXT FOF FOM FOS FIE FEE FT GFE FLG FLD FNDN FUR GAV GC GL GYP GWB HTG	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR FLOOR FLOOR FOUNDATION FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM WALL BOARD HEATING	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FUR GA GV LV GC GL GP GYP GWB HVAC	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FINISH FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING HEATING/VENTILATING/AIR COND.	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FNDN FUR GA GV GAC GL GP GYP GWB HTG HTG HTG HTG HTG HTG HTG HTG HTG HTG	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF W	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FD FTG FDN FUR GA GV GALV GC GC GP GYP GWB HTG HYAC HT	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FUNDATION FUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK TAG TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF W W	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST WIDTH, WIDE
EXP EXT FOF FOM FOS FIE FEC FT GFDN FUR GV GAL GYP GYP GYP GYP GYP GYP HYG HYG HYG HYG HYG HYG HYG HYG HYG HYG	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR FLOOR FLOOR FLOOR FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE HOLLOW METAL	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF W WIN	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE INCH SQUARE SOUT SQUARE INCH SQUARE SOUT STANDARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WEST WIDTH, WIDE WINDOW
EXP EXT FOF FOM FOS FIN FEE FLG FLD FNDN FUR GAV GC GL GYP GYP GYB HYA HY HK	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FINISH FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE HOLLOW METAL HOOK(S)	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF W W W W W W W WO	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST WIDTH, WIDE WINDOW WITHOUT
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FUR GAV GC GL GYP GYP GYP GYP GYP GYP GYP GYP GYP GYP	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FINISH FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE HOLLOW METAL HOOK(S) HORIZONTAL	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TOW TYP UON UNO VERT VT WC WWF W W W WIN WO W/O	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST WIDTH, WIDE WINDOW WITHOUT
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDNDN FUR GAV GCL FYP GWB HVAC HM HOR HB	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLASHING FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE HOLLOW METAL HOOK(S) HORIZONTAL HOSE BIBB	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TYP UON UNO VERT VT WSCT WC WWF W W W W W W W WO	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF WALL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST WIDTH, WIDE WINDOW WITHOUT
EXP EXT FOF FOM FOS FIN FFE FFL FEC FT FLG FLR FDN FUR GAV GC GL GYP GYP GYP GYP GYP GYP GYP GYP GYP GYP	EXISTING EXPOSED EXTERIOR FACE OF FINISH FACE OF FINISH FACE OF MASONRY FACE OF STUDS FINISH(ED) FINISHED FLOOR ELEV. FINISHED FLOOR LINE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE TREATED FLOOR FLOOR DRAIN FOOTING FOUNDATION FOUNDATION FOUNDATION FURRED(ING) GAGE, GAUGE GALVANIZED GALVANIZED GENERAL CONTRACT(OR) GLASS, GLAZING GYPSUM GYPSUM GYPSUM GYPSUM GYPSUM WALL BOARD HEATING/VENTILATING/AIR COND. HEIGHT HOLLOW CORE HOLLOW METAL HOOK(S) HORIZONTAL	SHTHG SHT SIM SC S SF SI SY STD STO SUS SYM TEL TV THK T&G TM TOM TS TOS TW TOW TOW TYP UON UNO VERT VT WC WWF W W W WIN WO W/O	SHEATHING SHEET SIMILAR SOLID CORE SOUTH SQUARE FOOT SQUARE INCH SQUARE YARD STANDARD STORAGE SUSPENDED SYMMETRY, (ICAL) TELEPHONE TELEVISION THICK(NESS) TONGUE & GROOVE TOP OF MASONRY TOP OF MASONRY TOP OF STEEL TOP OF STEEL TOP OF WALL TYPICAL UNLESS OTHERWISE NOTED UNLESS NOTED OTHERWISE VERTICAL VINYL TILE WAINSCOT WATER CLOSET WELDED WIRE FABRIC WEST WIDTH, WIDE WINDOW WITHOUT

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 SITE # 6260 ASSET # 8136260012

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/11/2025

CAD DWG FILE: T2337-01-6260-81362 60012-G-002
DRAWN BY: DMF
CHECKED BY: XXX

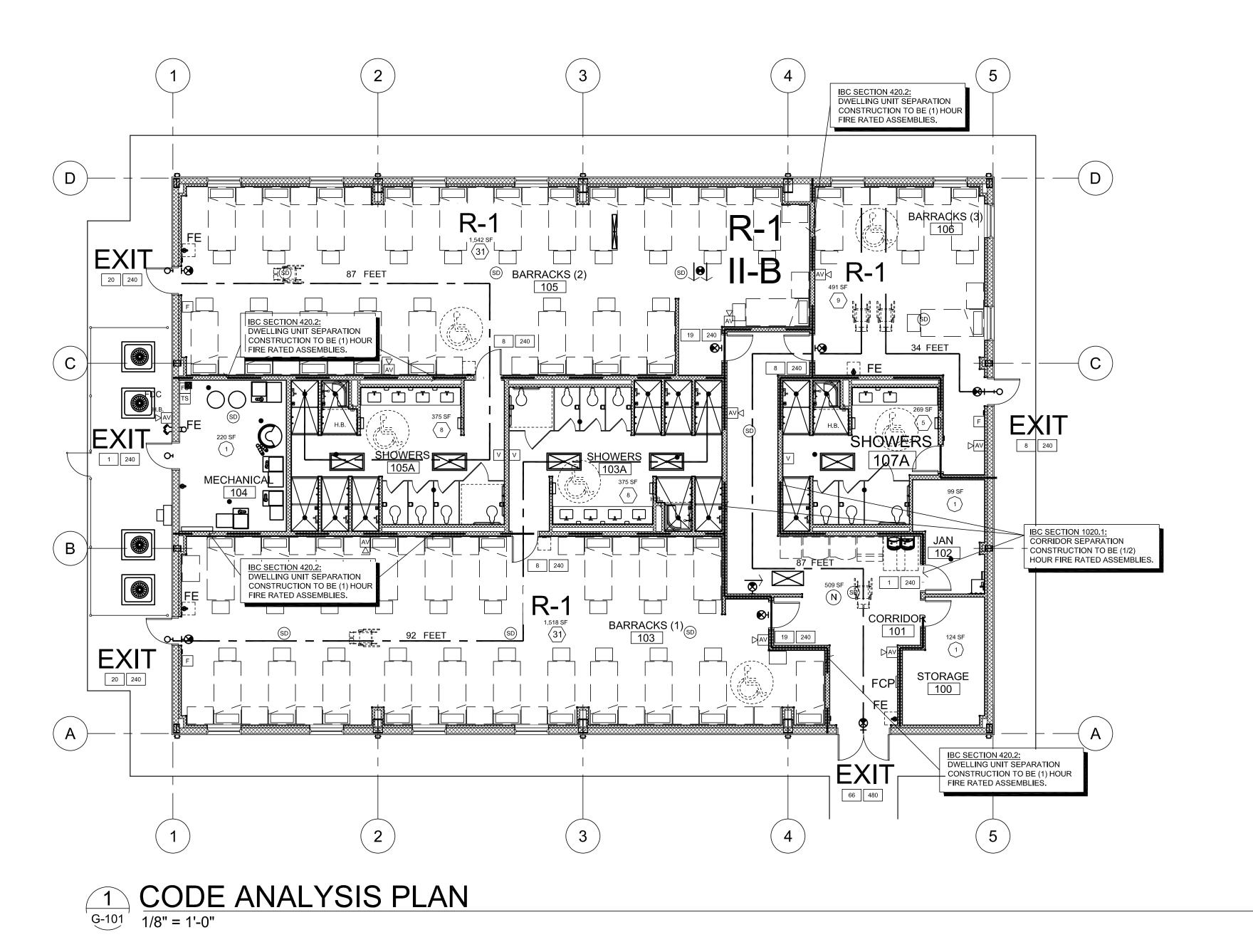
SHEET TITLE:

DESIGNED BY: DMF

SHEET INDEX /
SCOPE OF WORK
SCHEDULE

SHEET NUMBER:

G-002



OCCUPANCY LOAD

		<u> </u>
ROOM OR AREA	AREA PER	OCCUPANTS
(REFER TO FLOOR PLAN)	OCCUPANT(S.F.)	(QTY.)
100 - STORAGE	300	1
101 - CORRIDOR	0	0
102 - JANITOR	300	1
103 - BARRACKS (1)	50	31
103.1 - SHOWERS (50	8
104 - MECHANICAL	300	1
105 - BARRACKS (2)	50	31
105.1 - SHOWERS (50	8
106 - BARRACKS (3)	50	9
106.1 - SHOWERS	50	5
TOTAL OCCUPANCY		95

BUILDING CODE

JURISDICTION: MISSOURI OFFICE OF ADMINISTRATION -FACILITIES MANAGEMENT DESIGN & CONSTRUCTION

NEOSHO, MISSOURI COUNTY: NEWTON 64850

ZIP CODE: **GOVERNING CODES AND STANDARD BUILDING CODE:** 2018 IBC & Appendix C, F, G, I & J

CITY:

PLUMBING CODE: 2018 IPC MECHANICAL CODE: 2018 IMC 2017 NEC ELECTRICAL CODE: FIRE CODE: 2018 IFC FUEL / GAS CODE: 2018 IFGC **ENERGY CODE:** 2018 IECC (less Chapter 13) 2009 ICC A117.1 ACCESSIBLE CODE: 2010 ADA ACCESSIBILITY CODE:

USE GROUP & CONSTRUCTION TYP PRIMARY USE GROUP: R-1 (RESIDENTIAL) SEPARATED MIXED USE AND OCCUPANCY: CONSTRUCTION TYPE: II-B (NON-COMBUSTIBLE /

UNPROTECTED) **AREA MODIFICATIONS** NOT APPLIED FRONTAGE INCREASE

AUTOMATIC SPRINKLER INCREASE: PROVIDED **ALLOWABLE BUILDING HEIGHT & AREA** HEIGHT (S): NUMBER OF STORIES (S): 5 STORIES

64,000 SQ. FT. AREA (S1): **ACTUAL BUILDING HEIGHT & AREA** 16'-8" 1 STORY NO. OF STORIES: 6,240 SQ. FT.

FIRE PROTECTION SYSTEMS AUTOMATIC SPRINKLER SYSTEM: REQUIRED (IBC 903.2.8) PROVIDED (IBC 906.1) PORTABLE FIRE EXTINGUISHERS: MANUAL FIRE ALARM: REQUIRED (IBC 907.2.8.1) **AUTOMATIC SMOKE DETECTION:** REQUIRED (IBC 907.2.8.2)

STRUCTURAL DESIGN (REFER TO STRUCTURAL DRAWINGS)

1. ROOF LIVE LOAD 20.0 PSF 2. ROOF DEAD/COLLATERAL LOADS A. DEAD LOAD (DOES NOT INCLUDE PRECAST) 7.0 PSF B. SPRINKLER SYSTEM UNIFORM BRANCH PIPE LOAD: LINEAL LOOP / TEE MAIN PIPE LOAD: 25.0 PLF 3. SNOW LOADS Ce = 1.0 Ct = 1.0 GROUND LOAD (Pg): 15 PSF MINIMUM ROOF SNOW LOAD (Pf): 16 PSF 1.0

IMPORTANCE FACTOR (Is): 4 WIND LOADS GCpi = ± 0.18 $V_{ult} = 108 MPH$ BASIC WIND SPEED: EXPOSURE: ±0.18

GCpi: Kzt: 1.0 5. SEISMIC 0.137 0.084 0.146 0.134

IMPORTANCE FACTOR (Ie): SITE CLASS: DESIGN CATEGORY:

COMMERCIAL ENERGY EFFICIENCY CODE

IPC TABLE 403.1

FEMALE:

PROVIDED:

SERVICE SINK REQUIRED: SERVICE SINK PROVIDED:

MALE:

PRIMARY OCCUPANCY:

TOTAL OCCUPANCY:

COMPLIANCE WITH BUILDING ENERGY EFFICIENCY REQUIREMENTS BASED UPON APPLICABLE ENERGY CODE (PERFORMANCE METHOD). REFER TO PROJECT MANUAL

PLUMBING FIXTURE SUMMARY

MINIMUM PLUMBING FACILITIES REQUIRED BY OCCUPANCY PER SEX

CALCULATED BY RATIO BASED UPON ACTUAL USE (IPC 403.1):

R-1 (RESIDENTIAL)

14 / 95 = 0.15

81 / 95 = 0.85

1.0

GENERAL NOTES

(A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

 $\langle \mathsf{B} \rangle$ REFER TO PLANS, SECTIONS, AND DETAILS FOR CONSTRUCTION OF FIRE RATED ASSEMBLIES. WHERE UNDERWRITERS LABORATORY (UL) TEST NUMBERS ARE REFERENCED, CONTRACTOR SHALL PROVIDE CONSTRUCTION MATERIALS, MEANS AND METHODS TO COMPLY WITH TESTED ASSEMBLY.

STATE OF MISSOURI

MICHAEL L. KEHOE,

GOVERNOR

David Michael Frohling

A-2010011354

OFFICE OF

ADMINISTRATION

CONSTRUCT NEW

CAMP CROWDER

NEOSHO, MISSOURI

TRAINING SITE

REVISION:

REVISION:

REVISION:

DATE:

DATE:

DATE:

SHEET TITLE:

ANALYSIS

CODE

ISSUE DATE: 06/11/2025

CHECKED BY: \overline{XXX}

DESIGNED BY: DMF

BUILDING 758

44 SOLDIER BARRACKS

890 RAY A CARVER DRIVE

6260

CAD DWG FILE: T2337-01-6260-8136260012-G-101 DRAWN BY: <u>DMF</u>

8136260012

DIVISION OF FACILITIES

DEPT. OF PUBLIC SAFETY

MISSOURI NATIONAL GUARD

DEPT. OF ADJUTANT GENERAL

MANAGEMENT, DESIGN

AND CONSTRUCTION

 $\langle \mathtt{C}
angle$ REFER TO FIRE ALARM, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

 $\overline{\left\langle D\right\rangle }$ OWNER FURNISHED AND INSTALLED FURNISHINGS AND FIXTURES SHOWN FOR REFERENCE ONLY.

 \langle E \rangle CONTRACTOR TO PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION AS REQUIRED TO PROTECT THE WORK AREA AND EACH STORAGE UNIT AND JOB TRAILER PER THE FIRE

 $\langle \mathsf{F} \rangle$ CONTRACTOR TO SUBMIT FIRE SPRINKLER SYSTEM ENGINEERING SUBMITTALS FOR REVIEW AND APPROVAL.

 $\langle \mathsf{G}
angle$ SURFACE MOUNTED PORTABLE FIRE EXTINGUISHERS SHALL BE UL LISTED ABC TYPE, WITH 10 LBS. CAPACITY.

 \langle H \rangle EXIT DISCHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" WITH BRAILLE LETTERING. SIGN AND MOUNTING TO COMPLY WITH ANSI A117.1. REFER TO FLOOR PLAN FOR LOCATIONS.

SPECIAL INSPECTIONS

1. REFER TO PROJECT MANUAL - SECTION 01 4533 SPECIAL INSPECTIONS AND PROCEDURES FOR REQUIREMENTS.

TESTING LABORATORY TO PERFORM TESTING AND SPECIAL INSPECTIONS UNLESS OTHERWISE INDICATED.

PRIMARY USE GROUP: (RESIDENTAIL) ROOM SQUARE FOOTAGE:

OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:

TO DECK, FIRE SEAL COMPLETELY:

TO DECK, FIRE SEAL COMPLETELY:

ROOM OCCUPANT LOAD AT 20 SQ. FT. NET PER PERSON:

ROOM OCCUPANT LOAD AT 300 SQ. FT GROSS PER

FDC FIRE DEPARTMENT CONNECTION

FIRE ALARM CONTROL PANEL FIRE ALARM PULL STATION

SMOKE DETECTOR

>EMERGENCY LIGHTING

ACCESSIBLE CLEAR FLOOR AREA

PLAN

3 OF 33 SHEETS JUNE 11, 2025

SU	MMARY	PLUMBING FIXTURES WATER CLOSETS (URINALS): REQUIRED FOR FEMALE:	1 PER 100 14 / 10 = 1.4		
R AREA TO FLOOR PLAN) DRAGE	AREA PER OCCUPANT(S.F.) 300	OCCUPANTS (QTY.)	PROVIDED FOR FEMALE: REQUIRED FOR MALE: PROVIDED FOR MALE: LAVATORIES:	3 81 / 10 = 8.1 8 1 PER 100	
RRIDOR NITOR RRACKS (1) HOWERS CHANICAL	0 300 50 50 300	0 1 31 8 1	REQUIRED FOR FEMALE: PROVIDED FOR FEMALE: REQUIRED FOR MALE: PROVIDED FOR MALE:	14 / 10 = 1.4 2 81 / 10 = 8.1 8	
RRACKS (2) HOWERS RRACKS (3) HOWERS DCCUPANCY	50 50 50 50	31 8 9 5 95	SHOWERS: REQUIRED FOR FEMALE: PROVIDED FOR FEMALE: REQUIRED FOR MALE: PROVIDED FOR MALE:	14 / 8 = 1.75 3 81 / 8 = 10.1 10	
			DRINKING FOUNTAINS: REQUIRED:	1 PER 100 95 / 100 = 0.95	

PLAN

NORTH

2. THE OWNER SHALL PROVIDE THE SERVICES OF AN INDEPENDENT

SYMBOLS LEGEND

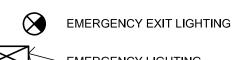
CONSTRUCTION TYPE: (NON-COMBUSTIBLE/UNPROTECTED) DESIGN OCCUPANT LOAD SERVED BY EXIT:
MAXIMUM ALLOWABLE CAPACITY: (EXAMPLE: 36"/0.15 = 240)

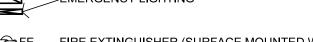
(1/2) HOUR FIRE RATED ASSEMBLY EXTENDS UP

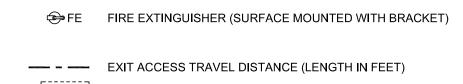
(1) HOUR FIRE RATED ASSEMBLY EXTENDS UP

ROOM OCCUPANT LOAD AT 15 SQ. FT. NET PER PERSON: PROJECT # T2337-01 ROOM OCCUPANT LOAD AT 50 SQ. FT. GROSS PER PERSON: ASSET #

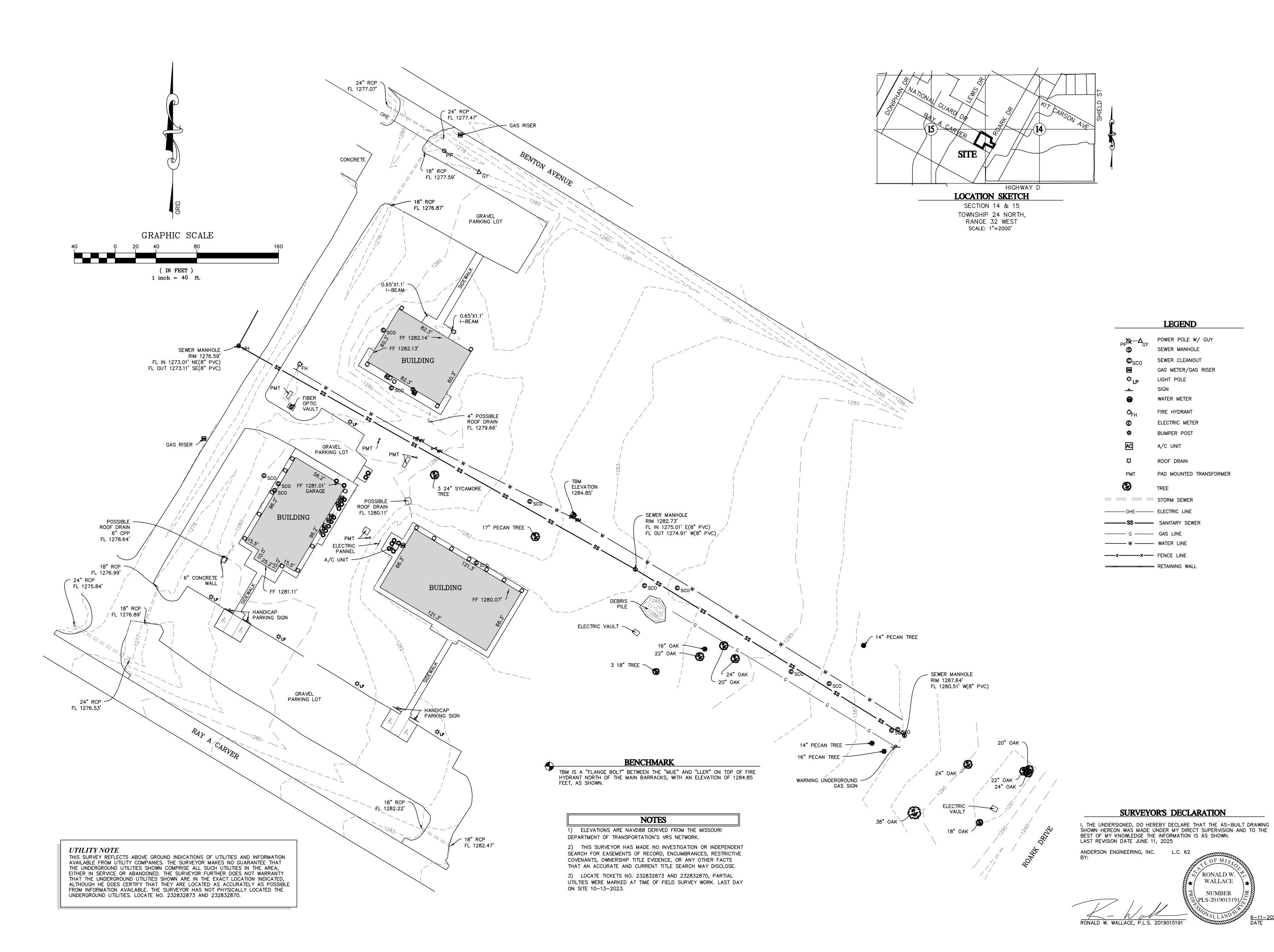
FIRE VISUAL ALARM FIRE ALARM AUDIO / VISUAL DEVICE







SHEET NUMBER:



STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR

ENGINEERING FIRM REGIST COA #00062

SHEETS BEARING THIS SEAL ARE AUTHENTICATED RESPONSIBILITY FOR ALL OTHER PLANS, SPECIEIVATIONS OR INSTERNMENTS ARE DISCURDED.



3213 S. West Bypass Springfield, MO 65807 417.866.2741 **weareown.com**

FORMERLY ANDERSON ENGINEERING

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER
TRAINING SITE
890 RAY A CARVER DRIVE
NEOSHO, MISSOURI

PROJECT # T2337-01 SITE # 6260 ASSET # 8136260012

REVISION:
DATE:
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DATE:
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ISSUE DATE: 6-11-2025

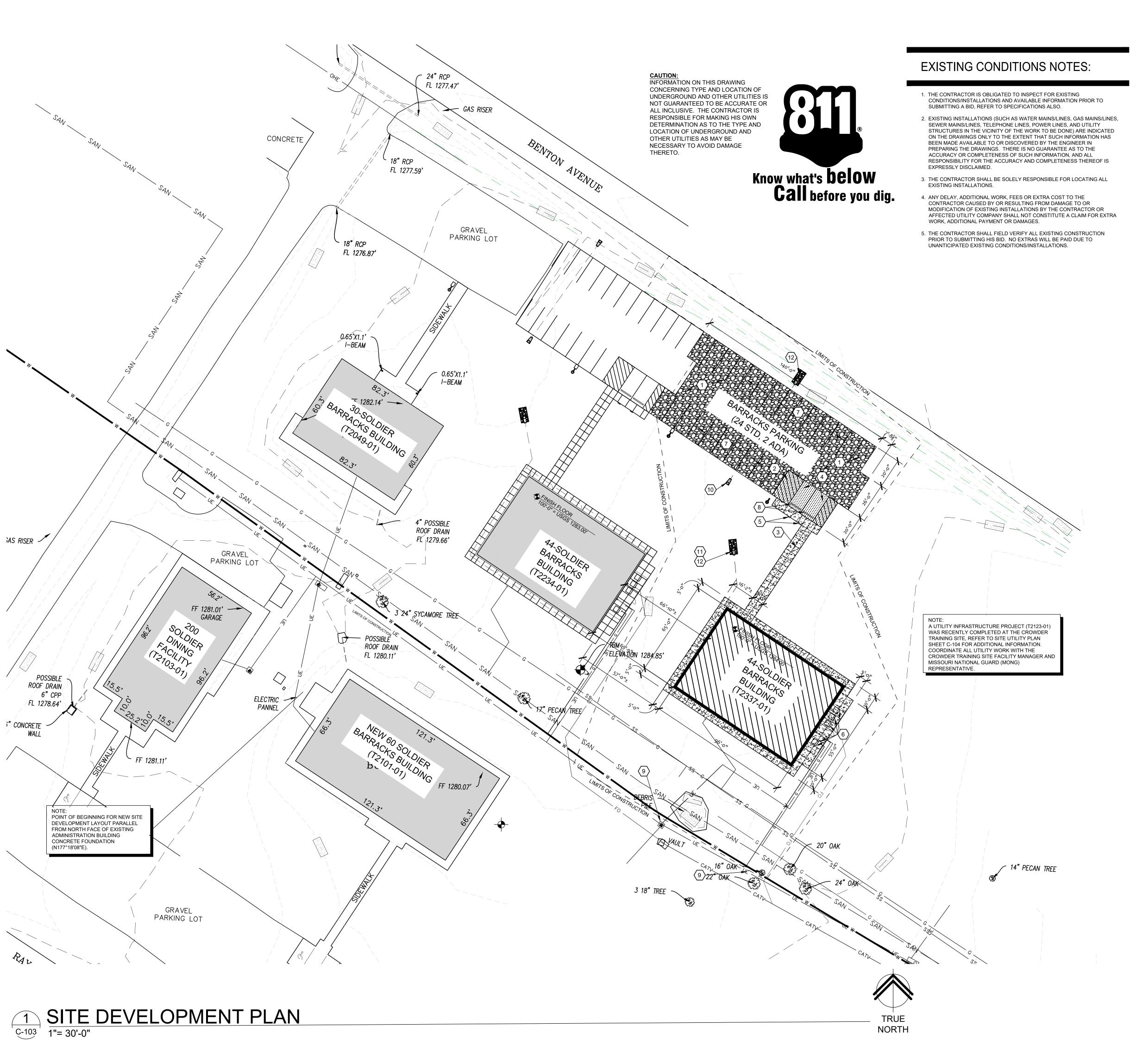
CAD DWG FILE:6260-8136260012-C-100
DRAWN BY: SLM
CHECKED BY: RWW
DESIGNED BY: RWW

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

C-100



GENERAL NOTES

- A REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- \langle B \rangle SITE CONDITIONS BASED UPON SURVEY. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ARCHITECT IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- C SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING
- $\langle {\sf D}
 angle$ LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE PROVIDED WITH 4" APPROVED TOPSOIL, FINE GRADED, AND SEEDED. PROVIDE EROSION CONTROL FABRIC EXTENDING 48" MINIMUM BEYOND EACH SIDE OF CENTERLINE OF DRAINAGE CHANNELS AND WHERE GRADE SLOPES 4:12 OR GREATER. REFER TO SITE GRADING PLAN FOR ADDITIONAL REQUIREMENTS.
- \langle E angle COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- \langle F \rangle CONTRACTOR TO COORDINATE AND SCHEDULE DESIGNATED PARKING AND

KEY NOTES

- \langle 1 \rangle VEHICLE GRAVEL OVER COMPACTED SUBGRADE, REFER TO DETAIL 1/C-102.
- \langle 2 \rangle CONCRETE PAVEMENT, REFER TO DETAIL 2/C-102. ACCESSIBLE PARKING SPACES WITH ACCESS AISLES (ADA COMPLIANT) TO SLOPE 2% MAXIMUM IN
- CONCRETE SIDEWALK, REFER TO DETAIL 3/C-102. PROVIDE #3 X 1'-6" DOWELS AT 24" O.C. EXTENDING 6" MINIMUM INTO FOUNDATION WITH EPOXY.
- 4 ACCESSIBLE PARKING PAVEMENT STRIPING SYMBOL, REFER TO DETAIL 4/C-102. ALIGN WITH END OF PARKING SPACE.
- 5 ACCESSIBLE PARKING SIGN, REFER TO DETAIL 5/C102.
- 6 6' GALVANIZED CHAIN LINK FENCE AND LOCKABLE GATE (APPROXIMATELY
- $\langle 7 \rangle$ 4" WIDE PAVEMENT STRIPING AS SHOWN USING HIGHWAY MARKING PAINT -WHITE (2 COATS) [ALTERNATE #1].
- 8 CONCRETE BUMPER BLOCK (8" W X 5" H X 6'-0" LONG) ANCHORED TO PAVING WITH (2) 1'-6" LONG #4 REBAR. [ALTERNATE #1 REQUIRES BUMPERS AT HEADS
- 9 GROUND MOUNTED ELECTRICAL TRANSFORMER, REFER TO / INFRASTRUCTURE PROJECT T2123-01 (BY OTHERS), SITE UTILITY PLAN AND SITE ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE INSTALLATION WITH LOCAL UTILITY COMPANY REQUIREMENTS. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH
- $\langle 10 \rangle$ DRAINAGE PIPING BELOW PARKING LOT, SEE SITE GRADING PLAN (C103).

CONSTRUCTION DOCUMENTS AND LOCAL REQUIREMENTS.

- UNDERGROUND DOWNSPOUT COLLECTION SYSTEM, REFER TO SITE GRADING PLAN (C-103) AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL
- $\langle 12 \rangle$ APRON AROUND PIPING, REFER TO SITE GRADING PLAN (C-103).

UTILITY CONTACTS

WATER, SEWER, & TELE COM: MISSOURI NATIONAL GUARD 6819 N. BOUNDARY ROAD JEFFERSON CITY, MO 65101 **CONTACT: JEREMY NEWTON** P: (573) 690-1416

ELECTRIC:

LIBERTY UTILITIES 1501 INDUSTRIAL DRIVE NEOSHO, MO 64850 **CONTACT: BRAD LETT** P: (417) 625-6136

520 E. 5TH STREET **JOPLIN, MO 64801** CONTACT: DUSTIN BORLAND P: (417) 626-4837

SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITIONS SYMBOLS LEGEND.

NEW AREA OF CONCRETE PAVING

NEW AREA OF CONCRETE SIDEWALK

NEW BUILDING CONSTRUCTION

NEW DRIVE GRAVEL RIP-RAP AREA

NEW LIGHT POLE

NEW AREA OF CONCRETE PAVING

BORING LOCATION - REFER TO GEOTECHNICAL REPORT, SEE C103

⑤	MANHOLE	(E)	ELECTRIC RISER
$\overset{\smile}{\Phi}_{\scriptscriptstyleLP}$	LIGHT POLE	GM	GAS METER
•	STOP SIGN	\circ_{sco}	SEWER CLEANOUT
™ _{WV}	WATER VALVE	0	BUMPER POST
(CR)	CABLE RISER	Ō	FIRE HYDRANT
(TR)	TELEPHONE RISER		

SANITARY SEWER WATER LINE TELEPHONE LINE GAS LINE UNDERGROUND ELECTRIC — E — —

2" FIBER OPTIC CONDUIT ——— FO———

DOWNSPOUT COLLECTOR

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





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

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260

ASSET # 8136260012

REVISION REVISION: **REVISION**:

ISSUE DATE: 06/11/2025 CAD DWG FILE:T2337-01-6260-8136260012-C-101 DRAWN BY:

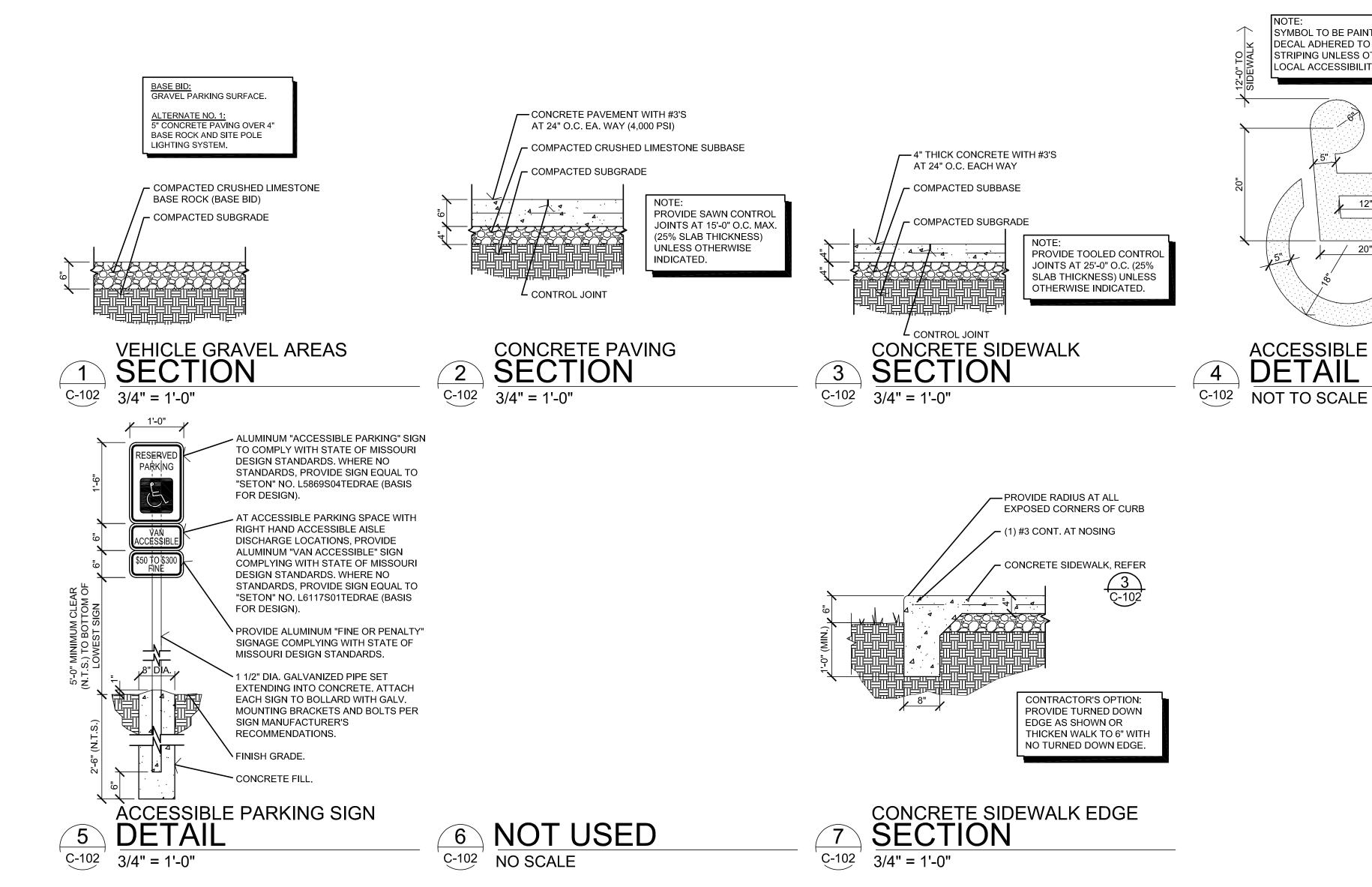
CHECKED BY: XXX DESIGNED BY: DMF

SHEET TITLE:

SITE DEVELOPMENT PLAN

SHEET NUMBER:

C-101



GENERAL NOTES

A REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. B REFER TO SITE DEVELOPMENT PLANS FOR LAYOUT AND LOCATIONS OF CONSTRUCTION.

SYMBOL TO BE PAINTED (HIGHWAY GRADE) OR

STRIPING UNLESS OTHERWISE REQUIRED BY

LOCAL ACCESSIBILITY STANDARDS.

DECAL ADHERED TO PAVEMENT. COLOR TÓ MATCH

ACCESSIBLE PARKING SYMBOL

DETAIL

ALIGN BOTTOM EDGE OF

SYMBOL WITH APPROACH

END OF PARKING SPACE.

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 SITE# 6260 ASSET # 8136260012

REVISION: REVISION: REVISION:

ISSUE DATE: 06/11/2025

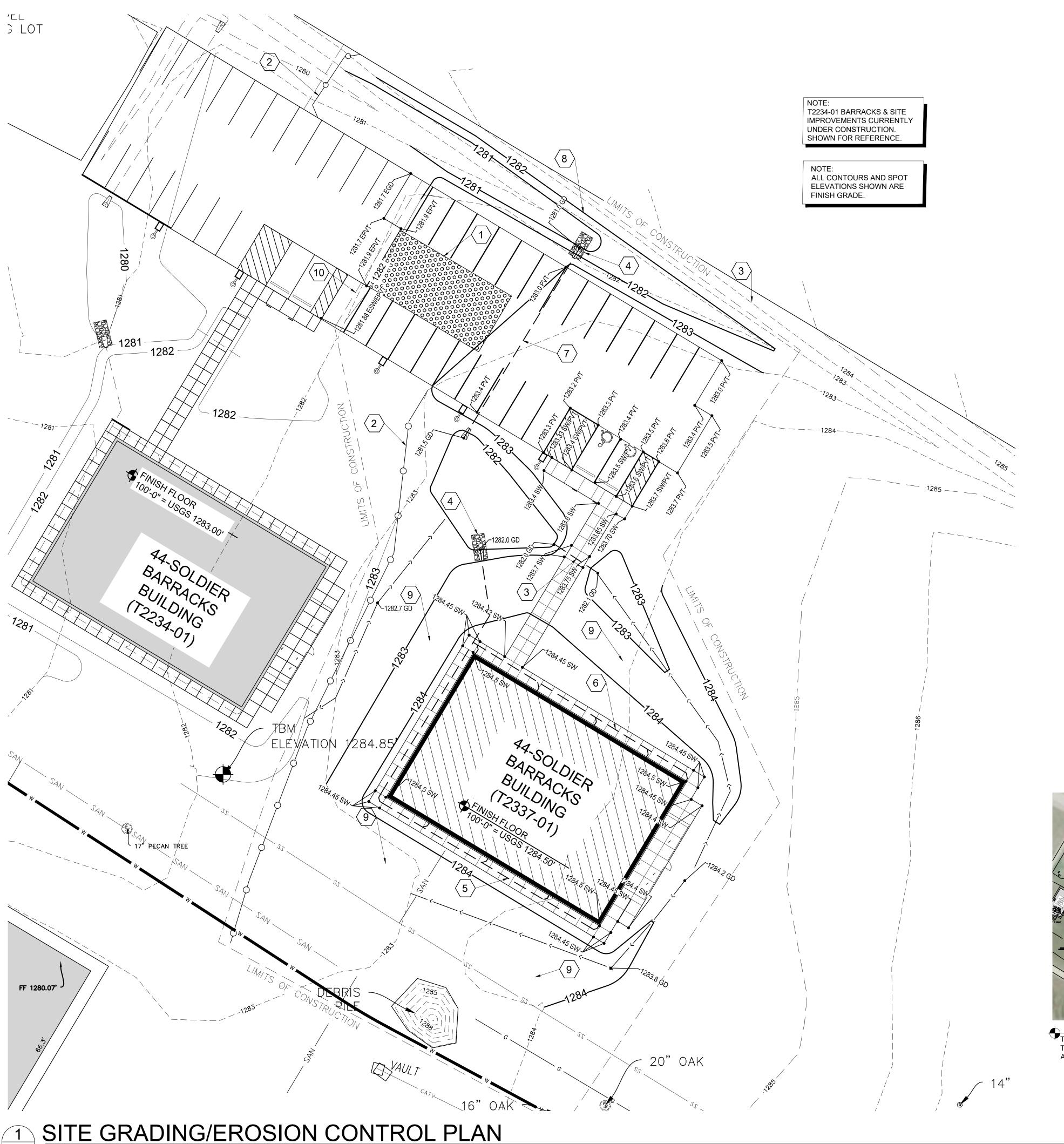
CAD DWG FILE: T2337-01-6260-8136260012-C-102
DRAWN BY: DMF
CHECKED BY: XXX
DESIGNED BY: DMF

SHEET TITLE:

SITE DEVELOPMENT DETAILS

SHEET NUMBER:

|C-102|



1"=20'-0"

GENERAL NOTES

- $\langle \mathsf{A} \rangle$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO B ESTABLISHING FINAL FINISH FLOOR ELEVATION. NOTIFY ENGINEER IF EXISTING CONDITIONS REQUIRE REVISED FINISH FLOOR ELEVATION TO PROVIDE
- $\langle C \rangle$ COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- HANDICAP ACCESSIBLE PARKING AREAS TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. DESIGNATED ACCESSIBLE ROUTES TO SLOPE 5% MAXIMUM IN DIRECTION OF TRAFFIC WITH A 2% MAXIMUM CROSS SLOPE.

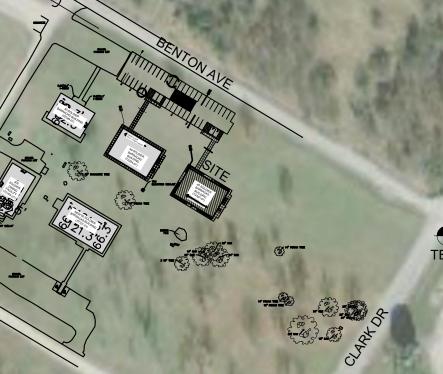
PIPE NOTES

- 1. PIPE MATERIALS SHALL BE IN ACCORDANCE WITH AND AS APPROVED BY THE COUNTY OR APPLICABLE AUTHORITY, REINFORCED CONCRETE PIPE (RCP), HIGH DENSITY POLYETHYLENE (HDPE), N-12 CORRUGATED METAL PIPE (CMP) MAY BE USED AS ALLOWED BY
- ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S
 REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER AND GOVERNING AUTHORITY.

KEY NOTES

- 1 CONSTRUCTION ENTRANCE, REFER TO DETAIL ON C-501.
- 2 SILT FENCE, REFER TO DETAIL ON C-501.
- 3 20 LF OF 8"Ø PIPE W/ FES ON BOTH ENDS @ 0.5% SLOPE.
- $\langle 4 \rangle$ 5' X 5' RIPRAP PAD, REFER DETAIL ON C-501
- REFER TO DETAIL ON C-501.
- INSTALL 100 LF OF 8" HDPE DOWNSPOUT COLLECTION SYSTEM AT MIN. $6 \ 0.5\%$ SLOPE. CONNECT TO PIPE 5 AT INV = 1282.2', REFER TO DETAIL ON
- 7 87 LF OF 8"Ø PIPE W/ FES ON BOTH ENDS @ 0.5% SLOPE.
- RE-GRADE EXISTING DITCH AS REQUIRED TO INSTALL PIPES UNDER PARKING LOT. PROVIDE MIN. OF 1% SLOPE IN BOTTOM OF DITCH.
- 9 INSTALL TOPSOIL AND SEE ALL DISTURBED AREAS ON-SITE PER SEEDING & MULCHING NOTES ON SHEET C-501.
- LIMITS OF SAWCUT. CONTRACTOR SHALL PROVIDE CLEAN VERTICAL EDGE FOR CONNECTION AND MATCH EXISTING.

ALTERNATE #1: CONCRETE PARKING LOT PAVEMENT & LIGHT POLES ALONG SOUTH SIDE OF PARKING LOT.



BENCHMARK TBM IS A "FLANGE BOLT" BETWEEN THE "MUE" AND "LLER" ON TOP OF FIRE HYDRANT NORTH OF THE MAIN BARRACKS, WITH AN ELEVATION OF 1284.85 FEET.



SYMBOLS LEGEND

NEW BUILDING CONSTRUCTION

NEW AREA OF CONCRETE PAVING

NEW AREA OF CONCRETE SIDEWALK

NEW DRIVE GRAVEL AREA

■ NEW LIGHT POLE

⊕ B1 BORE HOLE

___ NEW SILT FENCE CONSTRUCTION

CAUTION: INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER
UTILITIES IS NOT GUARANTEED TO
BE ACCURATE OR ALL INCLUSIVE.
THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

Know what's **below Call** before you dig.

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





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DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260

ASSET# 8136260012

REVISION: REVISION: DATE:

ISSUE DATE: 06/11/2025

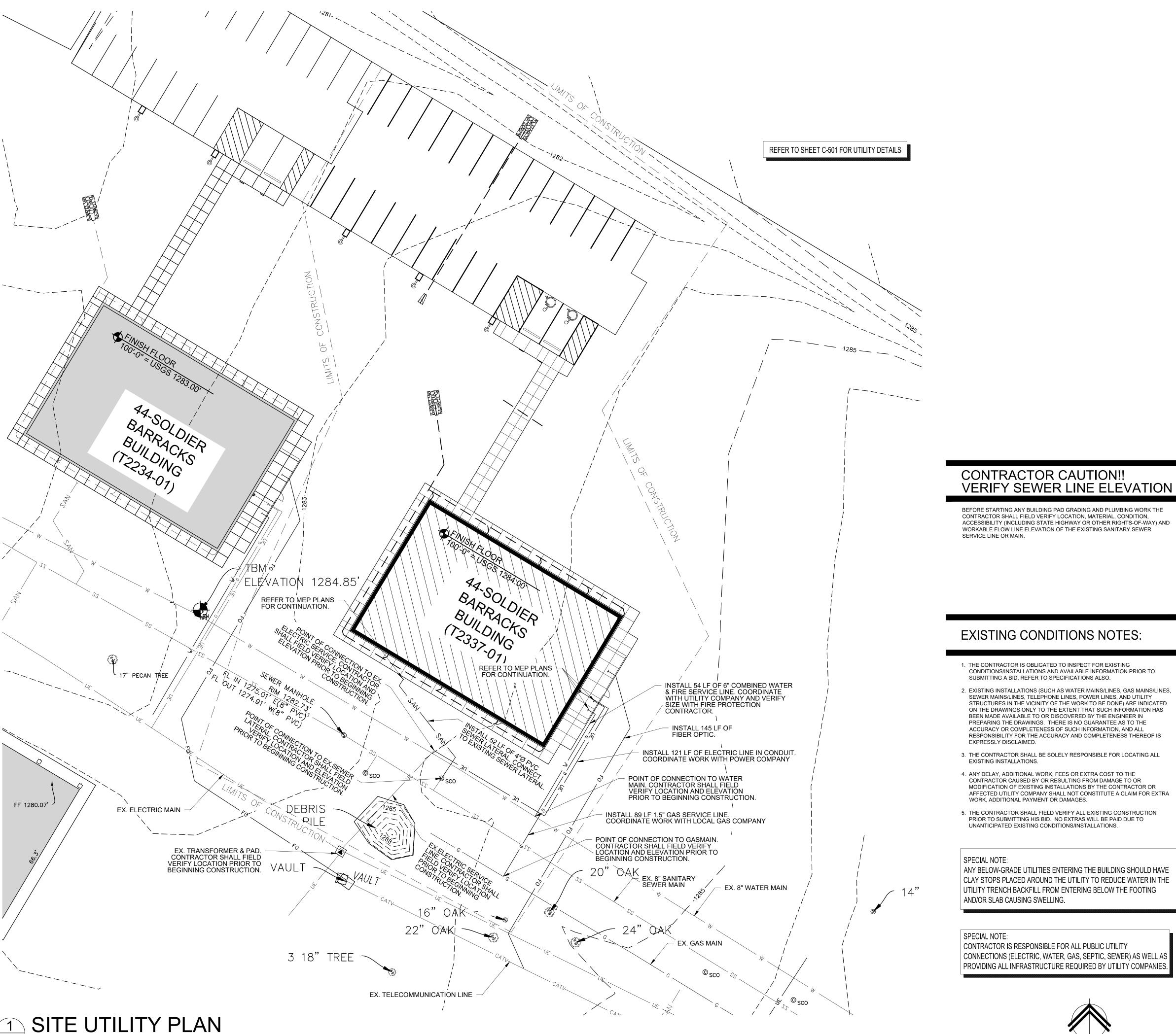
CAD DWG FILE:6260-8136260012-C-103
DRAWN BY: AMW
CHECKED BY: ATH DESIGNED BY: AMW

SHEET TITLE:

SITE GRADING/ **EROSION CONTROL** PLAN

SHEET NUMBER:

C-103



` C-104 [']

1"=20'-0"

 \langle A angle REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

- B FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. NOTIFY ENGINEER IF EXISTING CONDITIONS REQUIRE REVISED FINISH FLOOR ELEVATION TO PROVIDE PROPER DRAINAGE.
- C COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- D HANDICAP ACCESSIBLE PARKING AREAS TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS, DESIGNATED ACCESSIBLE ROUTES TO SLOPE 5% MAXIMUM. DIRECTIONS. DESIGNATED ACCESSIBLE ROUTES TO SLOPE 5% MAXIMUM IN DIRECTION OF TRAFFIC WITH A 2% MAXIMUM CROSS SLOPE.
- A GEOTECHINCAL INVESTIGATION WAS CONDUCTED FOR THIS PROJECT. THIS GEOTECHNICAL INVESTIGATION REPORT SHOULD BE CONSIDERED AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS. CONTRACTORS WILL BE RESPONSIBLE FOR OBTAINING, REVIEWING, AND UNDERSTANDING THE GEOTECHINCAL INVESTIGATION REPORT. CONTRACTORS WILL BE EXPECTED TO FOLLOW THE RECOMMENDATIONS MADE WITHIN THE GEOTECHINCAL INVESTIGATION REPORT, THE REQUIREMENTS OF THE CITY SPECIFICATIONS, AND THE NOTES AND DETAILS OF THE DRAWINGS, WHICHEVER IS MOST
- F IF MORE THAN ONE ACRE IS BEING DISTURBED THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES. REFER TO SECTION 01 57 00 OF THE SPECIFICATIONS.

UTILITY CONTACTS

WATER, SEWER, & TELE COM:

MISSOURI NATIONAL GUARD 6819 N. BOUNDARY ROAD JEFFERSON CITY, MO 65101 CONTACT: JEREMY NEWTON P: (573) 690-1416

ELECTRIC: LIBERTY UTILITIES 1501 INDUSTRIAL DRIVE NEOSHO, MO 64850 CONTACT: BRAD LETT P: (417) 625-6136

GAS: SPIRE 520 E. 5TH STREET **JOPLIN, MO 64801** CONTACT: DUSTIN BORLAND

P: (417) 626-4837

SYMBOLS LEGEND

MANHOLE LIGHT POLE STOP SIGN WATER VALVE CABLE RISER TELEPHONE RISER ELECTRIC RISER **GAS METER**

SEWER CLEANOUT

BUMPER POST FIRE HYDRANT SANITARY SEWER

WATER LINE TELEPHONE LINE _____ TEL ____ GAS LINE UNDERGROUND ELECTRIC _____ E ____

DOWNSPOUT COLLECTOR ———— SD———— 2" FIBER OPTIC CONDUIT ——— FO——— **CAUTION:**

INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. FOR MAKING HIS OWN

THE CONTRACTOR IS RESPONSIBLI DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE

Know what's **below Call** before you dig.

GOVERNOR

AARON *: HARGRAVE NUMBER PE-2007020274

06-17-25

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CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260 8136260012 ASSET#

REVISION: DATE: **REVISION:** DATE: **REVISION:** DATE:

ISSUE DATE: 06/11/2025

CAD DWG FILE: 6260-8136260012-C-104 DRAWN BY: AMW CHECKED BY: ATH DESIGNED BY: AMW

SHEET TITLE:

SITE UTILITY **PLAN**

SHEET NUMBER:

JUNE 11, 2025

BEFORE STARTING ANY BUILDING PAD GRADING AND PLUMBING WORK THE

CONTRACTOR SHALL FIELD VERIFY LOCATION, MATERIAL, CONDITION, ACCESSIBILITY (INCLUDING STATE HIGHWAY OR OTHER RIGHTS-OF-WAY) AND

WORKABLE FLOW LINE ELEVATION OF THE EXISTING SANITARY SEWER

SERVICE LINE OR MAIN.

1. THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS/INSTALLATIONS AND AVAILABLE INFORMATION PRIOR TO

SUBMITTING A BID, REFER TO SPECIFICATIONS ALSO.

- 2. EXISTING INSTALLATIONS (SUCH AS WATER MAINS/LINES, GAS MAINS/LINES, SEWER MAINS/LINES, TELEPHONE LINES, POWER LINES, AND UTILITY STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE) ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS
- 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING INSTALLATIONS.

EXPRESSLY DISCLAIMED.

- 4. ANY DELAY, ADDITIONAL WORK, FEES OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO OR MODIFICATION OF EXISTING INSTALLATIONS BY THE CONTRACTOR OR AFFECTED UTILITY COMPANY SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT OR DAMAGES.
- 5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS/INSTALLATIONS.

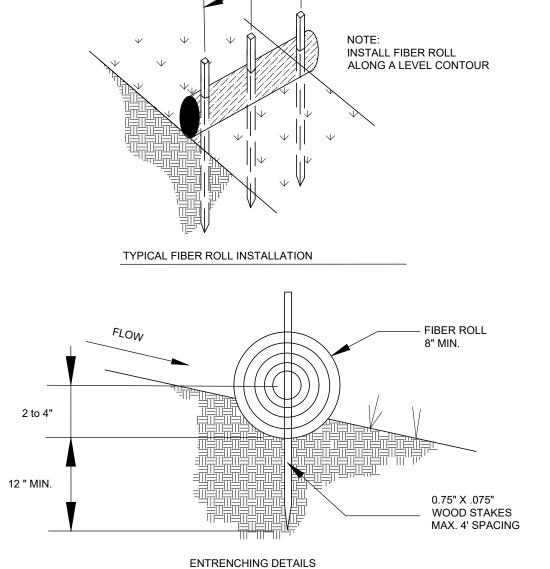
SPECIAL NOTE:

ANY BELOW-GRADE UTILITIES ENTERING THE BUILDING SHOULD HAVE CLAY STOPS PLACED AROUND THE UTILITY TO REDUCE WATER IN THE UTILITY TRENCH BACKFILL FROM ENTERING BELOW THE FOOTING AND/OR SLAB CAUSING SWELLING.

SPECIAL NOTE:

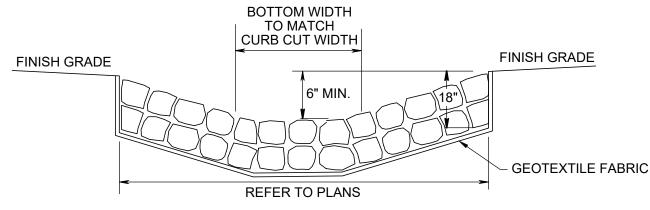
CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURE REQUIRED BY UTILITY COMPANIES

NORTH



NOTE: EROSION CONTROL DEVICE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS AND IN ACCORDANCE WITH STATE AND LOCAL LAWS.

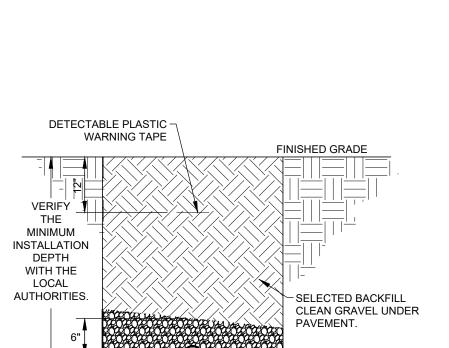
FIBER ROLLS AND SOCKS SCALE: NOT TO SCALE C501



1. HAND PLACE RIP-RAP IN ALL PLACES AS INDICATED ON THE

- 2. THE STONE FOR RIP-RAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE AS NEARLY AS UNIFORM, IN
- SECTION AS PRACTICAL. 3. THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE
- PURPOSE INTENDED UNLESS OTHERWISE SPECIFIED. 4. ALL STONES USED AS RIP-RAP SHALL WEIGH BETWEEN 50-150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH.
- 5. STONES SHALL BE A MINIMUM OF 12" IN DIAMETER AND PLACED A MINIMUM OF 18" BELOW FINISH GRADE. RIPRAP PAD SHALL HAVE NO SLOPE FOR THE LENGTH OF THE
- FINISHED GRADE ADJACENT TO THE RIPRAP PAD SHALL BE A MINIMUM OF 6" ABOVE THE RIRPRAP PAD BOTTOM.





6" MIN.

PROFILE

SURGE STONE

5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO

TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE

RIGHTS-OF-WAY. THIS MAY REQURE PERIODIC TOP DRESSING WITH

ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR

SCALE: NOT TO SCALE

7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION

CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT

SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY

WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED

1. STONE SIZE - USE 2" STONE, OR EQUAL

4. WIDTH - TWENTY FIVE (25) FOOT MINIMUM

3. MIN. THICKNESS - SIX(6) INCHES.

MUST BE REMOVED IMMEDIATELY.

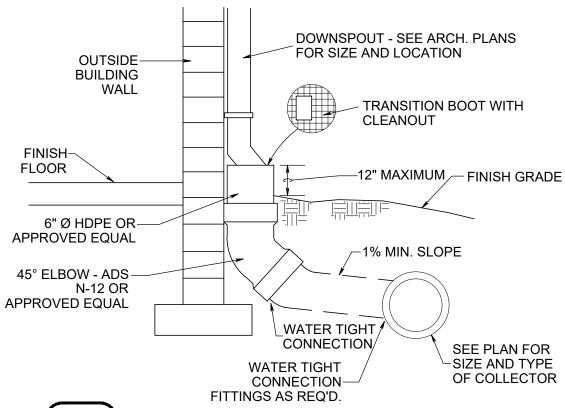
2. MIN. LENGTH - 50 FEET.

EXISTING

GROUND

PIPE INSTALLATION DETAIL SCALE: NOT TO SCALE





EXISTING

PAVEMENT

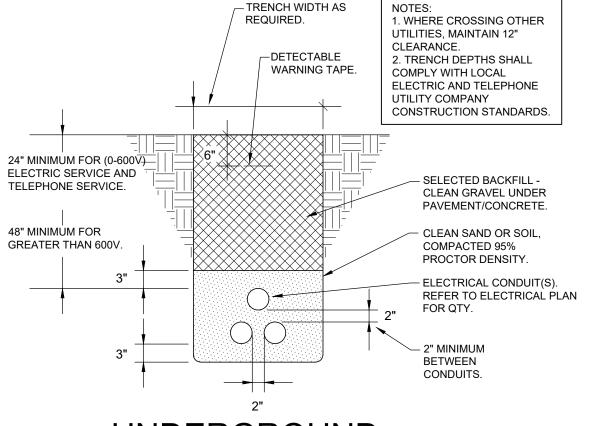
MOUNTABLE

DRIVEWAY

PLAN VIEW

CONSTRUCTION ENTRANCE





UNDERGROUND

SCALE: NOT TO SCALE

EROSION CONTROL & MAINTENANCE PLAN NOTES:

- FACILITIES CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE
- 2. PERMANENTLY STABILIZE ALL SURFACE AREA WITHIN AND ADJACENT TO THIS SITE THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREA IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
- MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN DAYS. REPEATED FAILURE OF A CONTROL MEASURE REQUIRES INSTALLATION OF A MORE SUITABLE DEVICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
- 6. REMOVE SEDIMENT DEPOSITS AS NECESSARY AFTER EACH STORM TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. CARE
- APPROVED EQUAL. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH 8. CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARD GENERAL CONIDTIONS AND TECHNICAL SPECIFICATION FOR CONSTRUCTION
- 9. APPLICABLE PERMITS MUST BE OBTAINED FROM THE CITY, STATE AND COUNTY PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION. 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND
- 11. THE CONTRACTOR AND/OR BUILDER WILL KEEP THE SUBDIVISION NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. ALL CITY STREETS ADJACENT TO THE DEVELOPMENT SHALL BE KEPT CLEAR OF MUD, ROCK, DIRT, DEBRIS, PAPER AND WASTE MATERIAL AT ALL TIMES. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT
- 12. IF ANY WORK OR ACCESS TO ANY ADJOINING PROPERTY IS DONE. IT IS THE FULL RESPONSIBILITY FOR THE APPLICANT/OWNER TO OBTAIN PROPER RELEASES FROM ADJOINING
- 13. ALL DISTURBED AREAS ARE TO BE RESEEDED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STATE OF MISSOURI DESIGN STANDARDS FOR PUBLIC IMPROVEMENTS. 14. PROVIDE TEMPORARY EROSION CONTROL TO CONTAIN ALL SOILS ON SITE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 16. CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO THE APPROVED TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN.
- 19. CONTRACTOR TO PROTECT ANY STORM INLETS THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION FROM SEDIMENT
- 21. THE CONTRACTOR SHALL HAVE A SET OF PLANS FILED WITH THE STATE OF MISSOURI ON SITE. THE CONTRACTOR SHALL HAVE ON THE PROJECT AT ALL TIMES. AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND THOROUGHLY UNDERSTAND THE PLANS AND SPECIFICATIONS AND THOROUGHLY EXPERIENCE IN THE TYPE WORK BEING PERFORMED WHO SHALL RECEIVE INSTRUCTIONS FROMTHE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- 23. TEMPORARY CONSTRUCTION ENTRANCE TO HAVE SHOT ROCK FOR ITS SURFACE.
- 24. THE INSTALLATION OF SILT FENCE FOR CONSTRUCTION IS TO BE INSTALLED BY THE CONTRACTOR AND IN PLACE BEFORE BEGINNING SITE CONSTRUCTION. SIMILAR DEVICES MAY BE USED BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF THE ENGINEER. DEVICES TO BE IN PLACE AS SHOWN ON THE PLANS. ADJUSTMENT OF THE LOCATION BY THE CONTRACTOR MAY BE DONE TO MEET EXISTING FIELD CONDITIONS. ALL CONTROLS ARE TO BE LACED WITHIN OWNER'S PROPERTY. ACCUMULATED SEDIMENT IN BASINS WILL REQUIRE REMOVAL DURING CONSTRUCTION OR AFTER EACH RAIN EVENT AND AT THE END OF CONSTRUCTION. EACH BASIN SHALL BE CHECKED AFTER EACH RAIN EVENT. CONTRACTOR TO MINIMIZE THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES AT ANY ONE TIME AND TO PROMPTLY REVEGETATE (OR MECHANICALLY STABILIZE) ARE DISTURBED BY CONSTRUCTION
- 25. SILT FENCE SHALL BE PLACED AROUND ALL SOIL SPOIL PILES TO PREVENT EROSION. 26. REFER TO SECTION 01 57 00 OF THE SPECIFICATIONS.

SEEDING AND MULCHING NOTES

INSTALL UPSTREAM BMPS TO PROTECT AREA TO BE SEEDED. COMPLETE GRADING AND REMOVE ALL DEBRIS LARGER THAN 1 INCH. LOOSEN COMPACTED SOILS TO A DEPTH OF 4 INCHES. GROOVE OR FURROW ON THE CONTOUR IF NECESSARY, SPREAD LOOSE TOPSOIL AT A DEPTH OF 4 INCHES. MIX SOIL AMENDMENTS (LIME, FERTILIZER, ETC.) INTO THE TOP 4 INCHES OF SOIL, PLANT SEED ¼ TO ½ INCHES DEEP USING A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER, ROLL LIGHTLY TO FIRM SURFACE, COVER SEEDED AREA WITH MULCH. INSTALL ADDITIONAL STABILIZATION (EROSION CONTROL BLANKETS, NETTING, BONDED FIBER MATRIX, ETC.) ON SLOPES STEEPER THAN 3:1 AND IN AREAS OF CONCENTRATED FLOW. WATER IMMEDIATELY-ENOUGH TO SOAK 4 INCHES INTO THE SOIL WITHOUT CAUSING RUNOFF.

TOPSOIL REQUIREMENTS

PERMANENT AND TEMPORARY SEEDING: LOOSEN COMPACTED SOILS TO A DEPTH OF 4 INCHES. IF RAINFALL CAUSES SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING. SLOPES STEEPER THAN 33 PERCENT (3:1) GRADE SHOULD BE GROOVED OR FURROWED ON THE CONTOUR BEFORE SEEDING. A GOOD SEEDBED IS WELL PULVERIZED, LOOSE AND UNIFORM. PERMANENT SEEDING: A MINIMUM OF 4 INCHES OF LOOSE TOPSOIL SHOULD BE SPREAD ON AREAS TO BE SEEDED.

PERMANENT AND TEMPORARY SEEDING: LIME SHOULD BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE pH OF THE SOIL IS UNKNOWN, LIME SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT A RATE OF 1500 POUNDS EFFECTIVE NEUTRALIZING MATERIAL (ENM) PER ACRES. SOILS WITH A pH OF SIX OR HIGHER NEED NOT

PERMANENT SEEDING: FERTILIZER SHOULD BE APPLIED BASED ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE A 13-13-13 GRADE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT THE RATE OF 500 POUNDS PER ACRE. TEMPORARY SEEDING: FERTILIZER SHOULD BE APPLIED BASED ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE, A 10-10-10 GRADE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT THE RATE OF 200 POUNDS PER ACRE

PERMANENT SEEDING: SEED MIX SHALL CONSIST OF NINETY PERCENT (90%) TALL FESCUE AND TEN PERCENT (10%) ANNUAL RYEGRASS. SEED MIXTURE SHALL BE APPLIED AT A

RATE OF 400 POUNDS PER ACRE. TEMPORARY SEEDING: SEED MIX SHALL CONSIST OF ANY COMBINATION OF TALL FESCUE, ANNUAL RYEGRASS, SUDAN, MILLET, WHEAT OR OATS. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE. DORMANT SEASON SEEDING: SEED MIX SHALL CONSIST OF 80 PERCENT (80%) TALL FESCUE, TEN PERCENT (10%) ANNUAL RYEGRASS AND TEN PERCENT (10%) SPRING OATS. SEED

MIXTURE SHALL BE APPLIED AT A RATE OF 600 POUNDS PER ACRE.

PERMANENT AND TEMPORARY SEEDING: WHERE SLOPES ARE LESS THAN 25 PERCENT (4:1) GRADE, CEREAL GRAIN MULCH IS REQUIRED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET (4,500 LBS/ACRE). CEREAL GRAIN MULCH SHALL MEET THE REQUIREMENTS OF SECTION 802 OF THE MISSOURI STATE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR TYPE I MULCH. WHERE SLOPES ARE 25 PERCENT (4:1) OR GREATER GRADE, TYPE 3 MULCH (HYDROMULCH) MEETING THE REQUIREMENTS OF SECTION 802 OF THE STATE SPECIFICATIONS SHALL BE USED. TYPE 3 MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 2,000 LBS/ACRE.

PERMANENT SEEDING: MARCH 1 TO JUNE 1 AND AUGUST 15 TO NOVEMBER 1 TEMPORARY SEEDING: CAN OCCUR DURING ANY SEASON, HOWEVER WINTER IS THE LEAST TOLERANT.

DORMANT SEASON SEEDING: DECEMBER 15 TO FEBRUARY 29

TO SELECT APPROPRIATE HYDROSEEDING MIXTURES, AN EVALUATION OF SITE CONDITIONS SHALL BE PERFORMED WITH RESPECT TO: SOIL CONDITIONS, SITE TOPOGRAPHY, SEASON AND CLIMATE, VEGETATION TYPES, MAINTENANCE REQUIREMENTS, SENSITIVE ADJACENT AREAS, WATER AVAILABILITY, AND PLANS FOR PERMANENT VEGETATION. HYDROSEEDING CAN BE ACCOMPLISHED USING A MULTIPLE-STEP OR ONE-STEP PROCESS. THE MULTIPLE-STEP PROCESS ENSURES MAXIMUM DIRECT CONTACT OF THE SEEDS TO SOIL. WHEN THE ONE-STEP PROCESS IS USED TO APPLY THE MIXTURE OF SEED, FIBER, ETC., THE SEED RATE SHALL BE INCREASED TO COMPENSATE FOR ALL SEEDS NOT HAVING DIRECT CONTACT WITH THE SOIL. FOLLOW-UP APPLICATIONS SHALL BE MADE AS NEEDED TO COVER WEAK SPOTS.



FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE 3. CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED

4. INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR STATE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO BEGINNING ANY WORK ON

5. CARE SHALL BE TAKEN TO ELIMINATE TO THE MAXIMUM EXTENT POSSIBLE THE ENCROACHMENT OF SEDIMENT INTO ALL STORM DRAIN APPURTENANCES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPERVIOUS MATERIAL (ROAD/PARKING AREA SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED.

NEEDS TO BE TAKEN TO AVOID UNDERMINING THE FENCE WHEN REMOVING SEDIMENT. SEDIMENT IS TO BE REAPPLIED TO THE SITE AND STABILIZED. 7. ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) AND SELECT PIPE OUTFALLS SHALL UTILIZE CONTECH CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MATS 450 OR

CONSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.

THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED. PROPERTY OWNERS AND ASSUME ALL LIABILITY FOR ACTION TAKEN DURING ALL CONSTRUCTION.

- 15. THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS(PIPES) SHALL BE FUNCTIONING PRIOR TO STARTING ANY OTHER CONSTRUCTION ACTIVITIES. I.E. ONLY CONSTRUCTION ACTIVITIES REQUIRED TO INSTALL THE DETENTION BASIN. ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS(PIPES) ARE ALLOWED UNTIL THESE ITEMS
- 17. PRIOR TO CONSTRUCTION, THE OWNER SHALL CONVENE A PRE-CONSTRUCTION MEETING BETWEEN THE STATE OF MISSOURI, CONSULTING ENGINEER, CONTRACTOR(S) AND ANY OTHER
- 18. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR.

- 22. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR OF ANY NEW SINKHOLES DISCOVERED DURING CONSTRUCTION.

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN

AND CONSTRUCTION

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**

HARGRAVE

NUMBER PE-2007020274

Engineering beyond."

3213 S. West Bypass

Springfield, MO 65807

417.866.2741

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FORMERLY ANDERSON ENGINEERING

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE

PROJECT # T2337-01 6260

8136260012

NEOSHO, MISSOURI

REVISION: DATE **REVISION:** DATE:

ASSET#

REVISION:

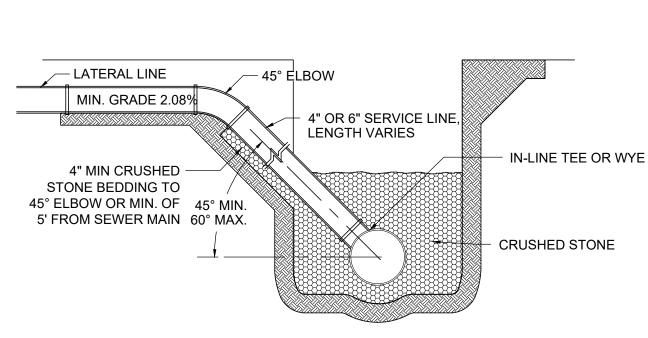
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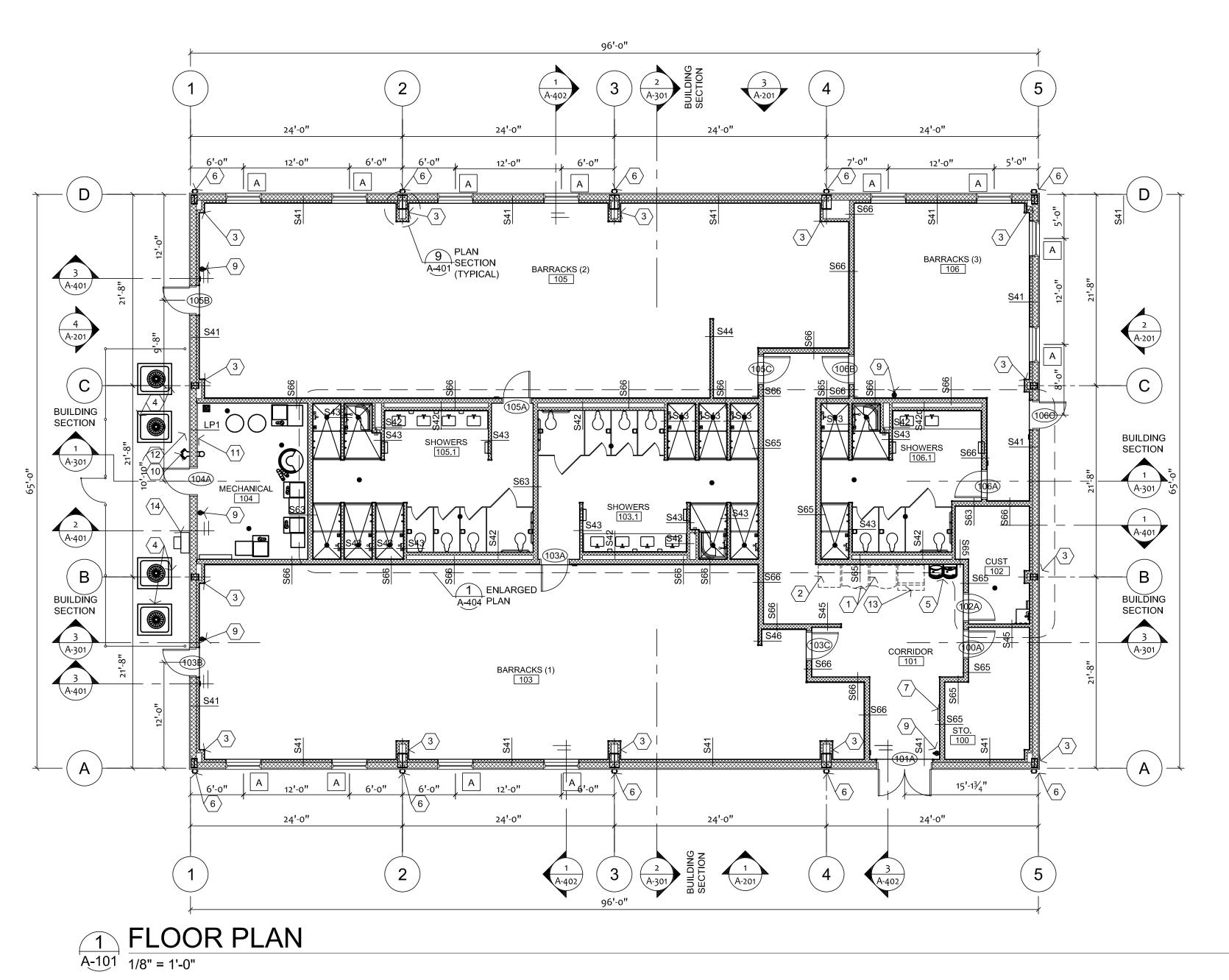
MISCELLANEOUS SITE DETAILS

SHEET NUMBER



NOTES:

1. LATERAL LINE TO HAVE 18" MIN COVER FOR ENTIRE LENGTH SANITARY SEWER
SERVICE CONNECTION



SYMBOLS LEGEND

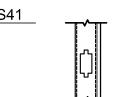
WALL TYPE, REFER TO WALL TYPES

AREA OF ALTERNATE NO. 1

DOOR MARK, REFER TO DOOR SCHEDULE, KEY NOTE, REFER TO KEY NOTES WINDOW MARK, REFER TO WINDOW SCHEDULE BARRACKS (3) **ROOM MARK** 107

WALL TYPES

REFER TO INTERIOR WALL AND CEILING GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.



COLD FORM METAL FRAMING WALL: -362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EXPOSED SIDE.

-EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR.

-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EXPOSED SIDE. (PROVIDE 5/8" CEMENT BACKING BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU OF GYPSUM BOARD) -EXTEND ASSEMBLY TO 8'-6" ABOVE FINISH FLOOR.

COLD FORM METAL FRAMING WALL:

COLD FORM METAL FRAMING WALL: -362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH

FRAMING AT 24" O.C.

FRAMING AT 24" O.C.

SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU OF -EXTEND ASSEMBLY TO 8'-6" ABOVE FINISH FLOOR.

-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH -EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR. COLD FORM METAL FRAMING WALL

-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD

-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH -EXTEND ASSEMBLY TO 9'-6" ABOVE FINISH FLOOR.

-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD

COLD FORM METAL FRAMING WALL -362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. -50F125-18 (1/2"-25 GA.) COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH

-EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR.

COLD FORM METAL FRAMING WALL: -600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. -6" UNFACED SOUND ATTENUATION BATT

INSULATION IN CAVITY. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON -EXTEND ASSEMBLY TO 8'-6" ABOVE FINISH FLOOR.

COLD FORM METAL FRAMING WALL -600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON

EXPOSED SIDE. -EXTEND ASSEMBLY TO 8'-6" ABOVE FINISH FLOOR.

COLD FORM METAL FRAMING WALL: -600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS) -6" UNFACED SOUND ATTENUATION BATT INSULATION IN CAVITY.

-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU OF GYPSUM BOARD) -EXTEND ASSEMBLY TO 8'-6" ABOVE FINISH FLOOR.

COLD FORM METAL FRAMING WALL: -600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS.

-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU OF GYPSUM BOARD) -EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK. -(1) HOUR FIRE RATED PARTITION EQUAL TO UL

DESIGN NO. U419 ASSEMBLY. COLD FORM METAL FRAMING WALL:

-600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS) -6" UNFACED SOUND ATTENUATION BATT INSULATION IN CAVITY. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU OF

GYPSUM BOARD) -EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK. -(1) HOUR FIRE RATED PARTITION EQUAL TO UL DESIGN NO. U419 ASSEMBLY.

COLD FORM METAL FRAMING WALL: -600S162-33 (6"-20 GA.) COLD FORM METAL STUD FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT BACKING BOARD LOCATIONS. -50F125-18 (1/2"-25 GA.) COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.

-6" UNFACED SOUND ATTENUATION BATT INSULATION IN CAVITY. -ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT

SHOWER ENCLOSURE SURFACES IN LIEU OF GYPSUM BOARD) -EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK. -(1) HOUR FIRE RATED PARTITION EQUAL TO UL DESIGN NO. U419 ASSEMBLY.

-SOUND TRANSMISSION RATING STC 50 MINIMUM. PRE-ENGINEERED METAL BUILDING WALL:

-PRE-ENGINEERED METAL BUILDING EXTERIOR WALL SYSTEM (REFER TO WALL SECTIONS). -PRE-ENGINEERED METAL BUILDING INTERIOR SHEET METAL (28 GA.) LINER PANEL SYSTEM TO 7'-4" ABOVE FINISH FLOOR.

GENERAL NOTES

- \langle A \rangle REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B DIMENSION ARE TO ROUGH FACE OF FOUNDATION, PRE-ENGINEERED METAL BUILDING GIRTS, COLD-FORM METAL FRAMING, OR CENTERLINE OF STRUCTURE, UNLESS OTHERWISE INDICATED. NOTE INTERIOR 3 5/8" COLD-FORM METAL STUD WALL DIMENSIONS NOT SHOWN FOR CLARITY.
- \langle C angle REFER TO SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS. OWNER'S FURNISHED AND INSTALLED FURNITURE AND EQUIPMENT SHOW FOR REFERENCE ONLY (N.I.C.).
- D REFER TO CODE ANALYSIS DRAWING FOR ADDITIONAL
- $\langle E \rangle$ REFER TO DRAWING A-601 FOR DOOR AND WINDOW SCHEDULES.
- \langle F \rangle REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR ADDITIONAL REQUIREMENTS.
- $\langle \mathsf{G} \rangle$ REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS. EXTERIOR WALL GIRTS TO BE 8" WIDE

KEY NOTES

- \langle 1 angle VENDING MACHINE LOCATION (BY OTHERS).
- \langle 2 \rangle DEDICATED RECYCLING CONTAINER (BY OTHERS).
- \langle 3 angle PRE-ENGINEERED METAL BUILDING STEEL COLUMN. PROVIDE WALL TYPE "S41" UNLESS OTHERWISE NOTED, AND HOLD FRAMING AS CLOSE AS POSSIBLE. REFER TO PLAN SECTION 9/A-401 (TYPICAL).
- \langle 4 angle CONDENSING UNIT, REFER TO MECHANICAL DRAWINGS.
- \langle 5 angle DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS.
- \langle 6 \rangle PRE-ENGINEERED METAL BUILDING DOWNSPOUT SYSTEM, REFER TO ROOF PLAN AND CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- \langle 7 \rangle FIRE ALARM SYSTEM CONTROL PANEL, REFER TO ELECTRICAL
- \langle 8 \rangle GAS SERVICE ENTRANCE REFER TO UTILITY AND PLUMBING DRAWINGS. (NOT USED)
- \langle 9 \rangle SURFACE MOUNTED FIRE EXTINGUISHER. FIRE EXTINGUISHERS SHALL BE UL LISTED ABC TYPE, MULTIPURPOSE DRY CHEMICAL, 10 LBS. MINIMUM CAPACITY, REFER TO DETAIL 3/A-501 FOR TYPICAL MOUNTING REQUIREMENTS.
- $\langle 10
 angle$ FIRE DEPARTMENT CONNECTION (FDC), REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 11 8'-0" x 4'-0" x 3/4" FIRE TREATED PLYWOOD TELEPHONE BOARD MECHANICALLY ATTACHED TO WALL. COORDINATE WITH TELECOMMUNICATION AND DATA CONTRACTOR, REFER TO ELECTRICAL DRAWINGS.
- 12 HOSE BIB, REFER TO PLUMBING DRAWINGS.
- $\langle 13 \rangle$ FUTURE ICE MACHINE (BY OTHERS).
- $\langle 14 \rangle$ ELECTRICAL METER, REFER TO ELECTRICAL DRAWINGS.

INTERIOR WALL & CEILING NOTES

A. REFER TO CODE SUMMARY DRAWINGS FOR ADDITIONAL INFORMATION ON LOCATIONS OF FIRE RATED ASSEMBLIES. EXTEND ASSEMBLIES TO INSIDE FACE OF EXTERIOR WALL OR ROOF PANELS.

B. REFER TO INTERIOR FINISH PLANS AND SCHEDULES FOR ADDITIONAL WALL FINISH MATERIAL APPLICATIONS.

A. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL COLD FORM METAL FRAMING REQUIREMENTS.

B. WHERE FRAMING DOES NOT EXTEND TO BOTTOM OF DECK OR STRUCTURE,

PROVIDE LATERALLY BRACE TOP OF PARTITION WALL FRAMING WITH STUDS AT 4'-0" O.C. ALTERNATING DIAGONALLY EXTENDING TO STRUCTURAL FRAMING C. WHERE WALL FRAMING EXTENDS TO BOTTOM OF ROOF DECK OR

MAXIMUM DEFLECTION. D. PROVIDE FIRE TREATED 2X BLOCKING AS REQUIRED FOR INSTALLATION OF

STRUCTURE, PROVIDE DEFLECTION CHANNELS AT TOP TRACK FOR 2"

ACCESSORIES, PER MANUFACTURER'S RECOMMENDATIONS. E. REFER TO OPENING HEAD, JAMB AND SILL DETAILS FOR ADDITIONAL

FRAMING REQUIREMENTS.

F. PROVIDE HORIZONTAL STUD BRIDGING AT 4'-0" O.C. VERTICAL.

G. WHERE INDICATED, INSTALL RESILIENT CHANNELS WITH MOUNTING LEG TURNED DOWN, EXCEPT AT FLOOR OR PERIMETER CONDITIONS.

3. GYPSUM AND BACKING BOARD:
A. EXPANSION/CONTROL JOINTS: INSTALL EXPANSION/CONTROL JOINTS IN CEILINGS EXCEEDING 2500 SQ. FT. IN AREA AND IN PARTITION WALL LENGTHS EXCEEDING 30 FEET. DO NOT EXCEED A DISTANCE OF 50 FEET IN ANY DIRECTION BETWEEN CEILING JOINTS. INSTALL CONTROL JOINTS WHERE FRAMING OR FURRING CHANGES DIRECTION.

B. PROVIDE "J" MOLDING OR CORNER BEAD AT ALL DISSIMILAR WALL MATERIAL

C. PROVIDE CEMENT BACKING BOARD AT WALL TILE FINISH LOCATIONS. SET BOTTOM FRAMING TRACK IN SOLID BED OF MASTIC. PROVIDE WATERPROOFING MEMBRANE OVER CEMENT BACKER BOARD..

D. PROVIDE MOISTURE RESISTANT TYPE "X" GYPSUM BOARD AT WET WALL AND CEILING LOCATIONS (SHOWERS AND JANITORS SINK AREAS).

A. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 0-25 AND A SMOKE DEVELOPMENT RATING OF 0 - 450.

B. PROVIDE SEALANT AND/OR FOAM IN PLACE ACOUSTICAL INSULATION ON BOTH SIDES OF FRAMING PERIMETER (TOP, BOTTOM, ENDS) OF ACOUSTICAL INSULATED INTERIOR WALLS.

A. PROVIDE FIRE STOPPING AND FIRE SEALANT MATERIALS AS REQUIRED AT ALL FIRE RATED ASSEMBLY TRANSITIONS AND PENETRATIONS. RATING TO BE EQUAL TO RATED ASSEMBLY.

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





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

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE

PROJECT # T2337-01 6260

NEOSHO, MISSOURI

ASSET# 8136260012

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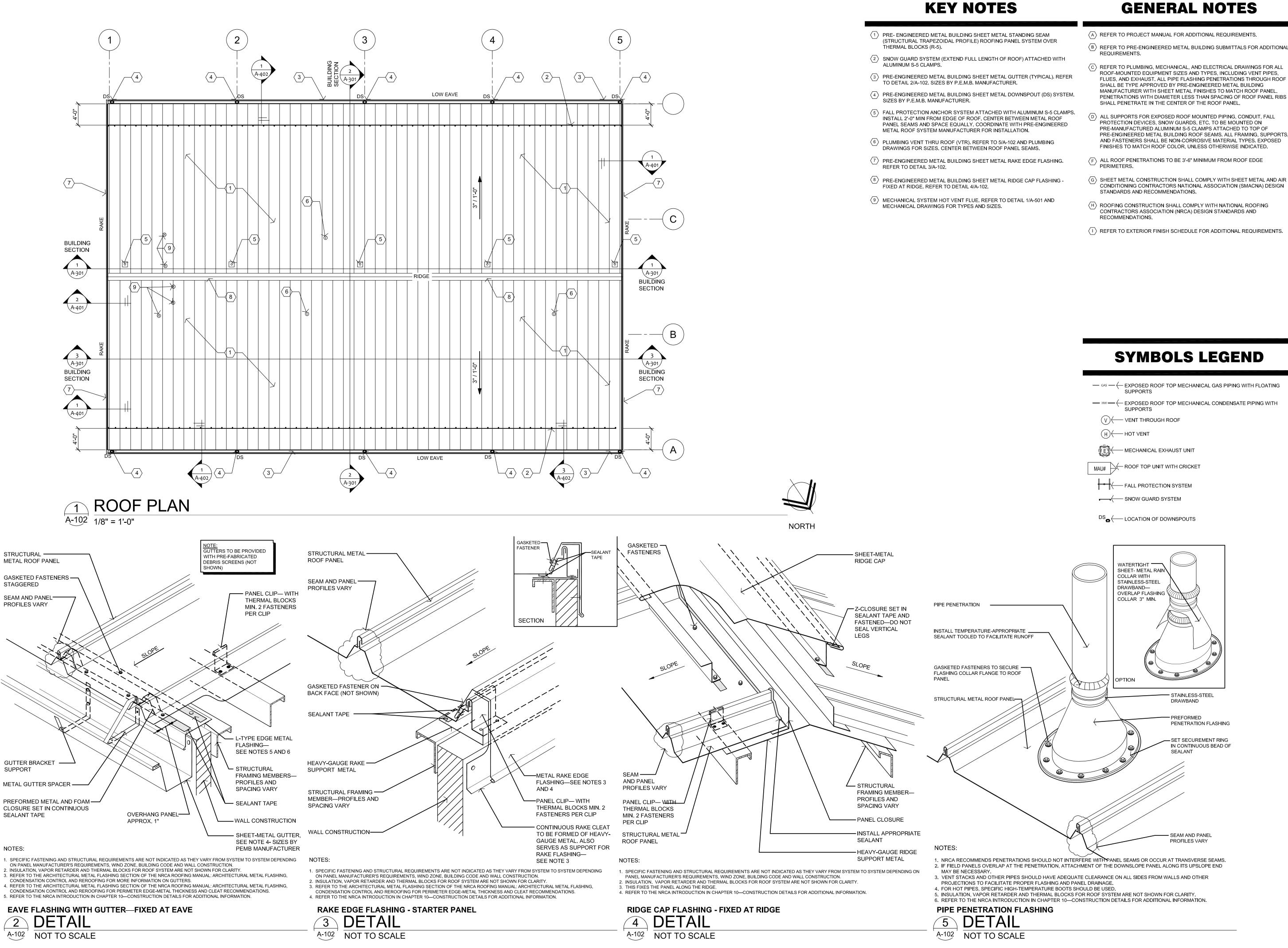
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SHEET TITLE:

FLOOR PLAN

SHEET NUMBER:



NOTES:

GENERAL NOTES

- (B) REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL
- (C) REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL ROOF-MOUNTED EQUIPMENT SIZES AND TYPES, INCLUDING VENT PIPES, FLUES, AND EXHAUST. ALL PIPE FLASHING PENETRATIONS THROUGH ROOF SHALL BE TYPE APPROVED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER WITH SHEET METAL FINISHES TO MATCH ROOF PANEL. PENETRATIONS WITH DIAMETER LESS THAN SPACING OF ROOF PANEL RIBS
- PROTECTION DEVICES, SNOW GUARDS, ETC. TO BE MOUNTED ON PRE-MANUFACTURED ALUMINUM S-5 CLAMPS ATTACHED TO TOP OF PRE-ENGINEERED METAL BUILDING ROOF SEAMS. ALL FRAMING, SUPPORTS, AND FASTENERS SHALL BE NON-CORROSIVE MATERIAL TYPES. EXPOSED
- (F) ALL ROOF PENETRATIONS TO BE 3'-6" MINIMUM FROM ROOF EDGE
- CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DESIGN
- (I) REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.

- GAS ← EXPOSED ROOF TOP MECHANICAL GAS PIPING WITH FLOATING
- HW CEXPOSED ROOF TOP MECHANICAL CONDENSATE PIPING WITH

David Michael Frohling A-2010011354

STATE OF MISSOURI MICHAEL L. KEHOE,

GOVERNOR



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE

PROJECT # T2337-01

NEOSHO, MISSOURI

8136260012 ASSET #

REVISION DATE **REVISION** DATE **REVISION:** DATE: ISSUE DATE: 06/11/2025

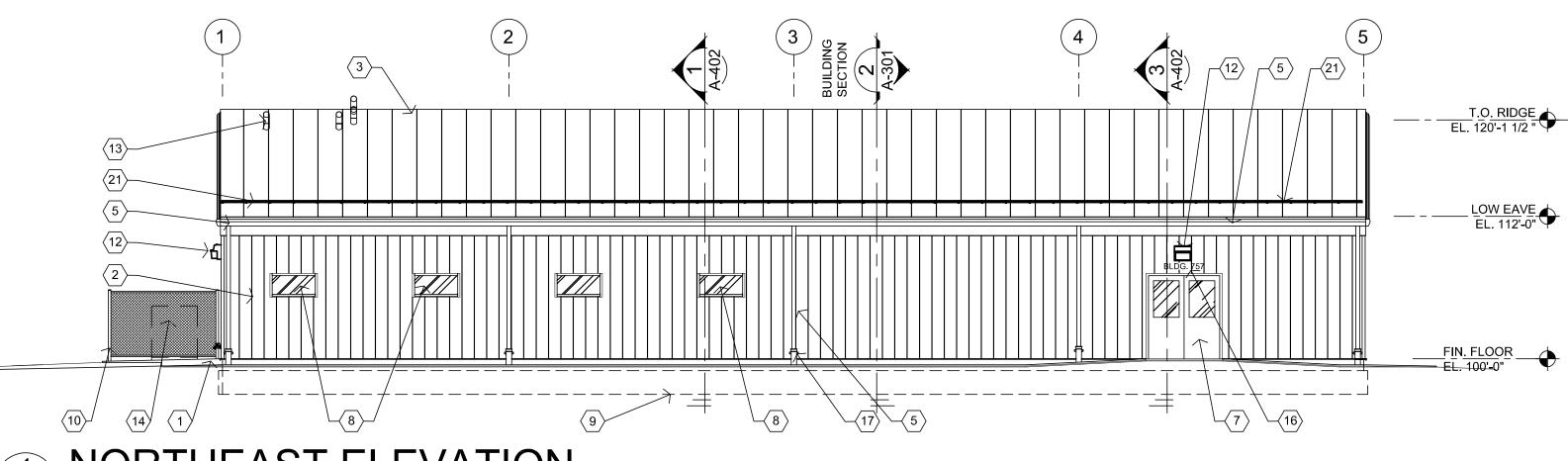
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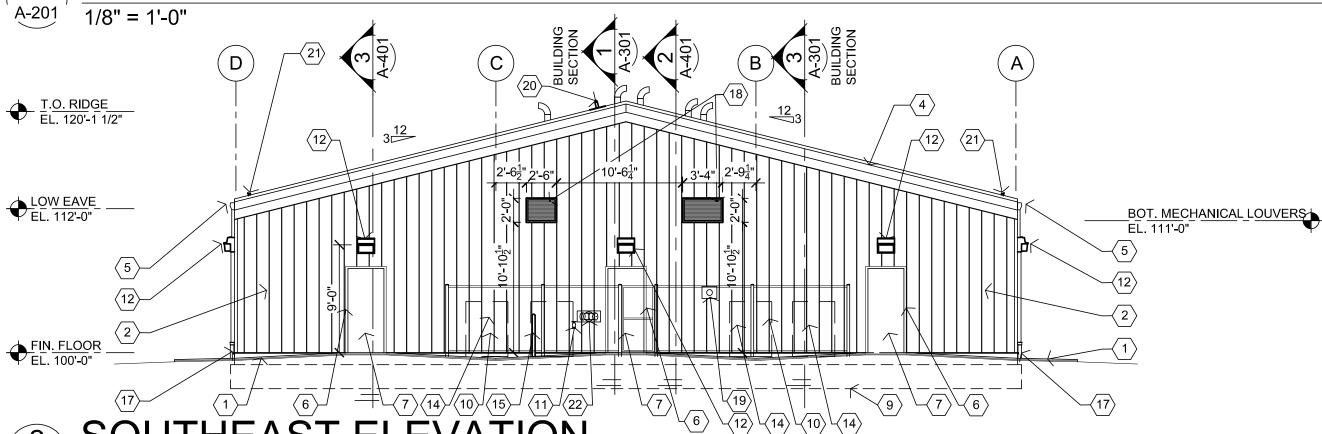
ROOF PLAN

DESIGNED BY: DMF

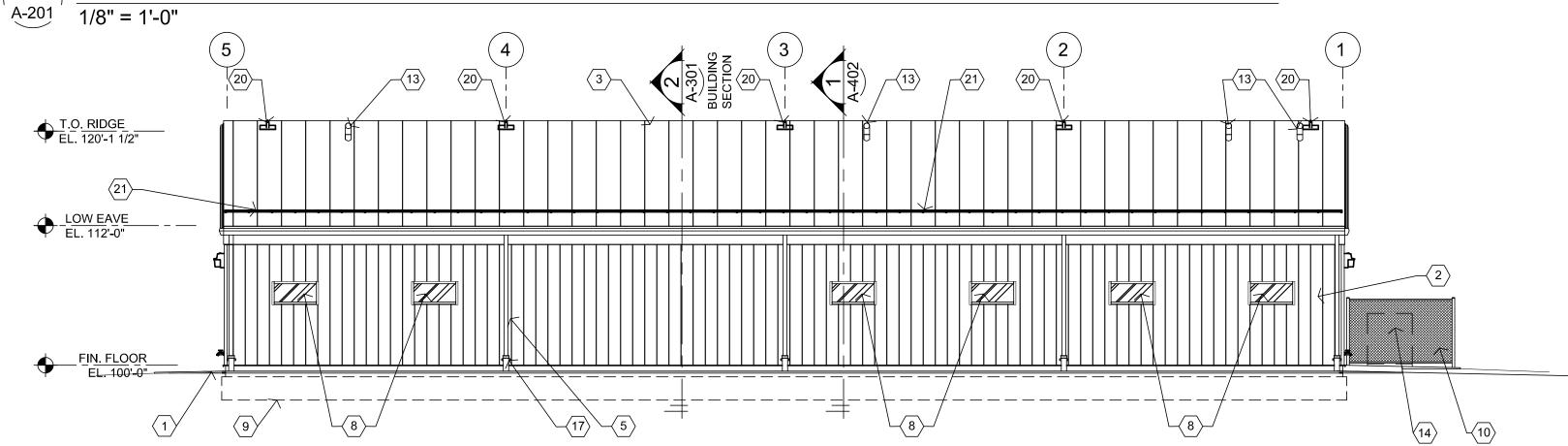
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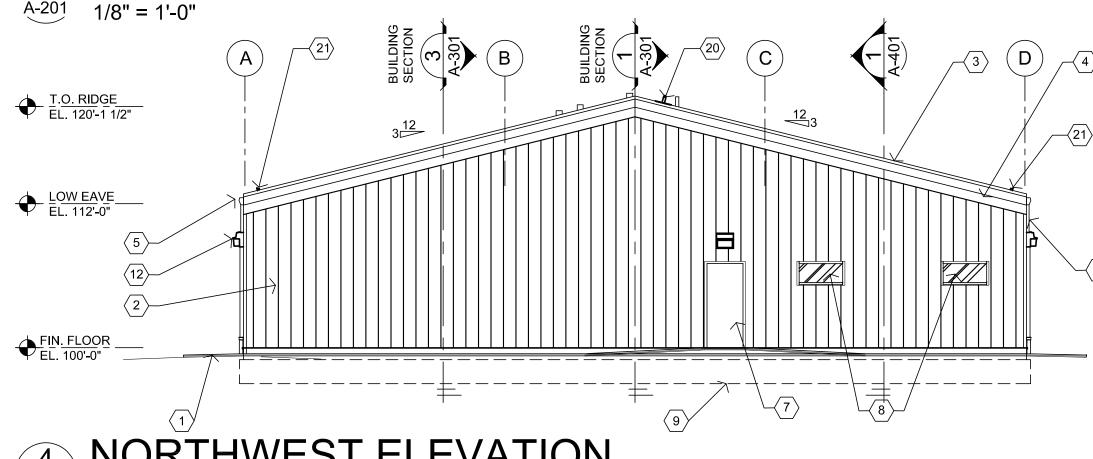
NORTHEAST ELEVATION



SOUTHEAST ELEVATION



SOUTHWEST ELEVATION A-201



NORTHWEST ELEVATION

1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

PRE-ENGINEERED METAL BUILDING SYSTEMS **KEY NOTE NO. 2:**

TYPE: EXTERIOR EXPOSED FASTENER WALL PANEL MANUFACTURER: MBCI OR EQUAL (BASIS FOR DESIGN) SERIES: PBR WALL PANEL FINISH: PRE-FINISHED

COLOR: (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 3:

TYPE: STANDING SEAM, TRAPEZOIDAL RIB MANUFACTURER: MBCI OR EQUAL (BASIS FOR DESIGN) SERIES: ULTRA-DEK FINISH: PRE-FINISHED

COLOR: (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 4: TYPE: SHEET METAL FLASHING, FASCIA, OR TRIM MANUFACTURER: REFER TO PROJECT MANUAL FINISH: PRE-FINISHED

COLOR: (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 5:

TYPE: SHEET METAL GUTTER AND DOWNSPOUT SYSTEM MANUFACTURER: REFER TO PROJECT MANUAL FINISH: PRE-FINISHED COLOR: (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 6: TYPE: DOOR TRIM

MANUFACTURER: REFER TO PROJECT MANUAL FINISH: PRE-FINISHED COLOR: (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 7:

TYPE: HOLLOW METAL DOORS AND FRAMES MANUFACTURER: REFER TO PROJECT MANUAL FINISH: FACTORY PRIMED AND FIELD PAINTED COLOR: MATCH ADJACENT METAL PANEL FIELD COLOR

KEY NOTE NO. 8: TYPE: ALUMINUM WINDOWS

MANUFACTURER: REFER TO PROJECT MANUAL FINISH: TO BE SELECTED BY ARCHITECT GLAZING: (REFER TO GLAZING SCHEDULE)

KEY NOTE NO. 10: TYPE: STEEL BOLLARD (REFER TO CIVIL DRAWINGS) FINISH: FIELD PRIMED AND PAINTED COLOR: TO BE SELECTED BY ARCHITECT

ELECTRICAL LIGHTING

KEY NOTE NO. 12: MFG: (REFER ELECTRICAL DRAWINGS) FINISH: TO BE SELECTED BY ARCHITECT

MECHANICAL WALL PENETRATIONS

KEY NOTE NO. 18: MFG: (REFER TO MECHANICAL DRAWINGS) FINISH: TO BE SELECTED BY ARCHITECT

GENERAL NOTES

- B REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- (C) FOR DOOR AND WINDOW TYPES, REFER TO FLOOR PLANS AND
 - FINISHES TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF CUSTOM COLORS.
- \langle F \rangle REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR SYSTEM TYPES.
- G REFER TO WALL SECTIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.

- \langle 1 \rangle CAST IN PLACE CONCRETE SLABS OR SIDEWALKS, REFER TO
- PRE-ENGINEERED METAL BUILDINGS SHEET METAL FLASHING, FASCIA, CLOSURE, OR TRIM.
- 5 PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER AND
- (7) EXTERIOR DOOR AND FRAME SYSTEM, REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPE.
- $\langle 8 \rangle$ EXTERIOR WINDOW SYSTEM, REFER TO FLOOR PLAN AND WINDOW SCHEDULE FOR TYPES.
- $\langle 10 \rangle$ 6' CHAINLINK FENCE, REFER TO CIVIL DRAWINGS.
- $\langle 11 \rangle$ HOSE BIB, REFER TO PLUMBING DRAWINGS.
- (12) LIGHT FIXTURE (CENTER OF FIXTURE AT 9'-0" A.F.F.), REFER TO ELECTRICAL DRAWINGS.
- MECHANICAL/PLUMBING ROOF MOUNTED EQUIPMENT OR ROOF PENETRATIONS, REFER TO ROOF PLAN.
- (14) MECHANICAL CONDENSING UNITS, REFER TO MECHANICAL
- $\langle 15 \rangle$ GAS PIPING (NATURAL GAS) REFER TO PLUMBING DRAWINGS.
- BUILDING ADDRESS IDENTIFICATION NUMBER "BUILDING 757" SIGN IN 6" HIGH HELVETICA BOLD CHARACTERS ATTACHED TO THE BUILDING.
- \langle 19 \rangle ELECTRICAL METER, REFER TO ELECTRICAL DRAWINGS.
- $\langle 20 \rangle$ FALL PROTECTION ANCHORS. REFER TO ROOF PLAN.
- \langle 21 \rangle CONTINUOUS ICE GUARD, REFER TO PROJECT MANUAL.

- $\overline{\left\langle \mathbf{A}\right\rangle }$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- SCHEDULES.
- (D) REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS FINAL MATERIAL COLORS, PATTERNS AND
- \langle E \rangle REFER TO CIVIL DRAWINGS FOR ADJACENT SITE DEVELOPMENT

CONSTRUCTION.

 $\langle \mathsf{H} \rangle$ PAINT ALL EXPOSED METAL SURFACES TO MATCH ADJACENT MATERIAL COLORS, UNLESS OTHERWISE INDICATED.

KEY NOTES

- CIVIL DRAWINGS.
- 2 PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL
- $\boxed{3}$ PRE-ENGINEERED BUILDING SHEET METAL ROOFING SYSTEM.
- DOWNSPOUT SYSTEM. REFER TO ROOF PLAN
- 6 PRE-ENGINEERED METAL BUILDING SHEET METAL OPENING

- $\left\langle 9\right\rangle$ APPROXIMATE LINE OF FOUNDATION, REFER TO STRUCTURAL DRAWINGS.

- DOWNSPOUT COLLECTION SYSTEM, REFER TO CIVIL DRAWINGS.
- (18) MECHANICAL WALL PENETRATION, REFER TO MECHANICAL DRAWINGS. PROVIDE FRAMING, FLASHING, ANCHORS AND SEALANT AS REQUIRED FOR COMPLETE INSTALLATION.
- FIRE DEPARTMENT CONNECTION (FDC), REFER TO PLUMBING DRAWINGS.



STATE OF MISSOURI MICHAEL L. KEHOE,

GOVERNOR

David Michael Frohling

A-2010011354

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01

6260 SITE# ASSET # 8136260012

REVISION: REVISION REVISION

ISSUE DATE: 06/11/2025 CAD DWG FILE: T2337-01-6260-8136260012-A-201 DRAWN BY: DMF

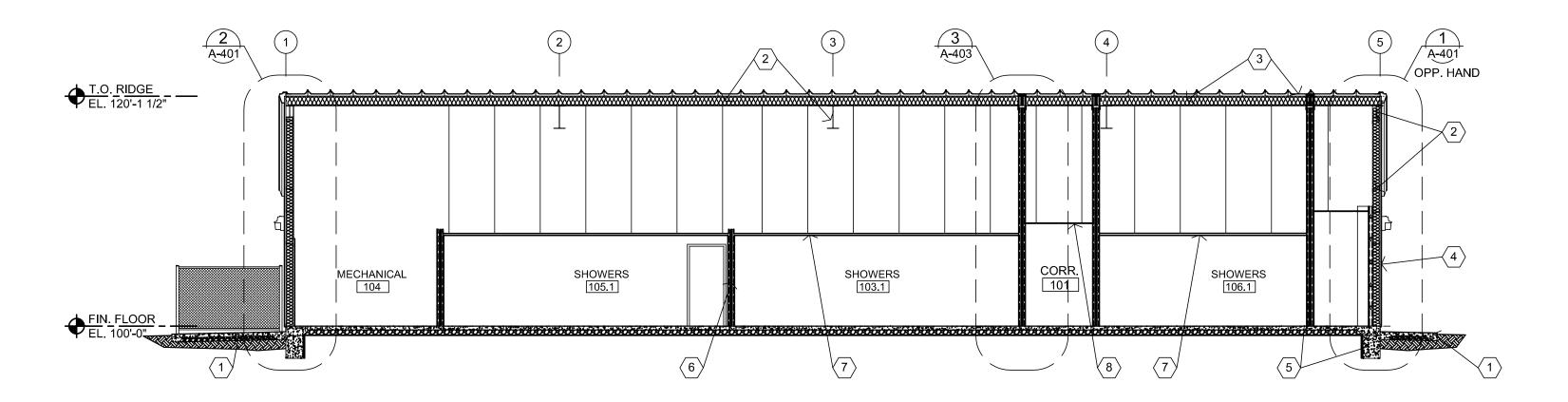
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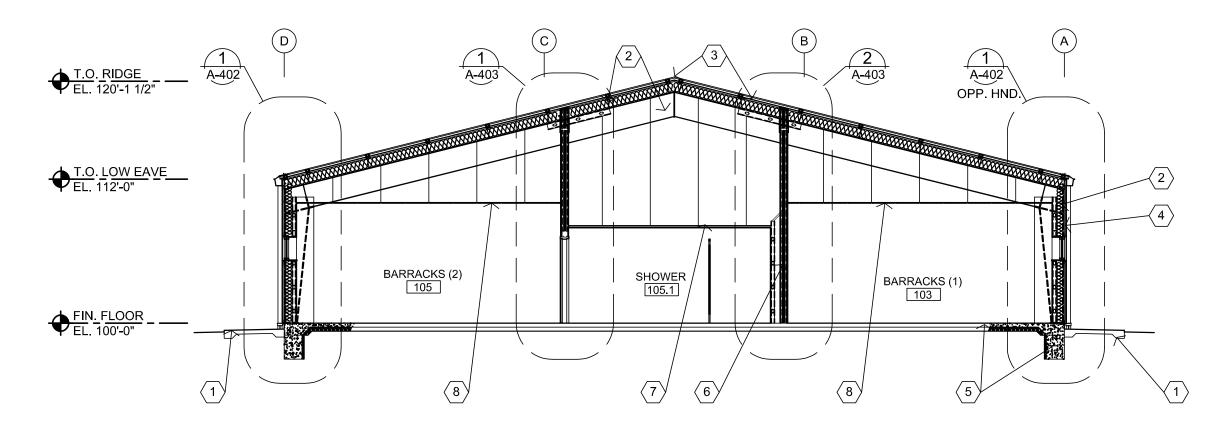
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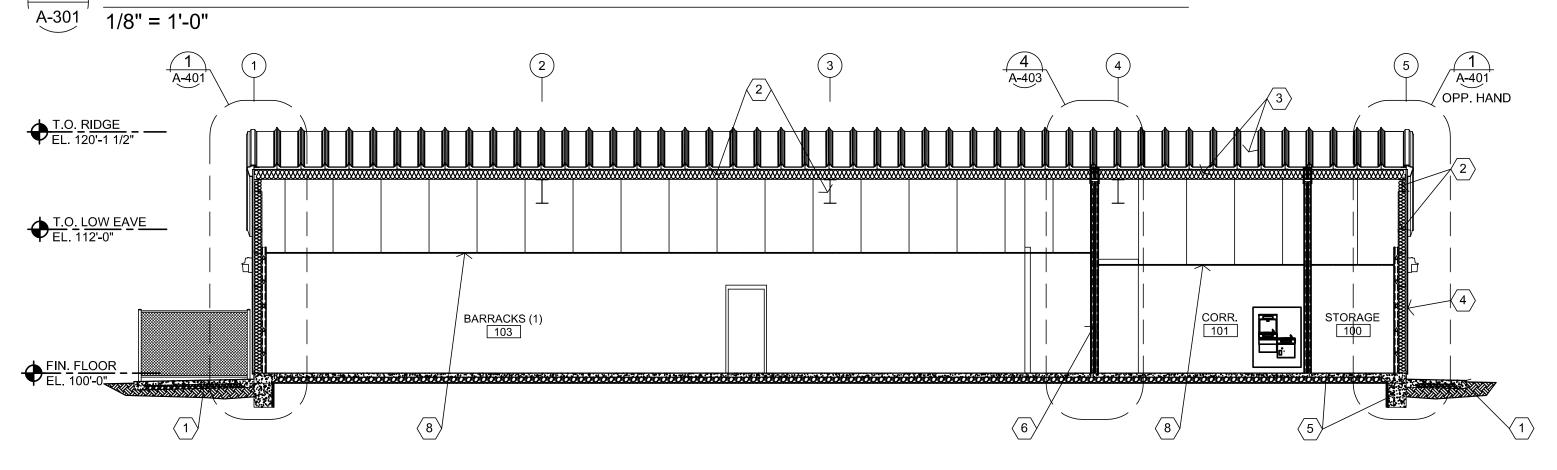


1 BUILDING SECTION

A-301 1/8" = 1'-0"



2 BUILDING SECTION



3 BUILDING SECTION

A-301 1/8" = 1'-0"

GENERAL NOTES

- $\overline{\mathsf{A}}$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- © REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- D REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR FINISH TYPES AND LOCATIONS.

DAVID MICHAEL FROHLING NUMBER A-2010011354 David Michael Frohling A-2010011354

STATE OF MISSOURI MICHAEL L. KEHOE,

GOVERNOR

KEY NOTES

- (1) CAST IN PLACE CONCRETE SLAB OR SIDEWALK, REFER TO CIVIL DRAWINGS.
- 2 PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL, REFER TO WALL SECTIONS AND SUBMITTALS.
- PRE-ENGINEERED ROOF SYSTEM, REFER TO ROOF PLAN AND SUBMITTALS.
- 4 PRE-ENGINEERED METAL BUILDING WALL PANEL SYSTEM. REFER TO WALL SECTIONS AND SUBMITTALS.
- 5 CONCRETE SLAB ON GRADE AND FOOTINGS, REFER TO STRUCTURAL DRAWINGS.
- $\langle 6 \rangle$ INTERIOR PARTITIONS, REFER TO FLOOR PLANS.
- 7 SUSPENDED DRYWALL GRID AND GYPSUM BOARD CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION. PROVIDE OPEN FACED R-11 SOUND ATTENUATING INSULATION ABOVE CEILING (NOT SHOWN FOR CLARITY).
- 8 SUSPENDED ACOUSTICAL CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN.



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DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01

SITE # 6260 ASSET # 8136260012

REVISION:
DATE:
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DATE:
ISSUE DATE: 06/11/2025

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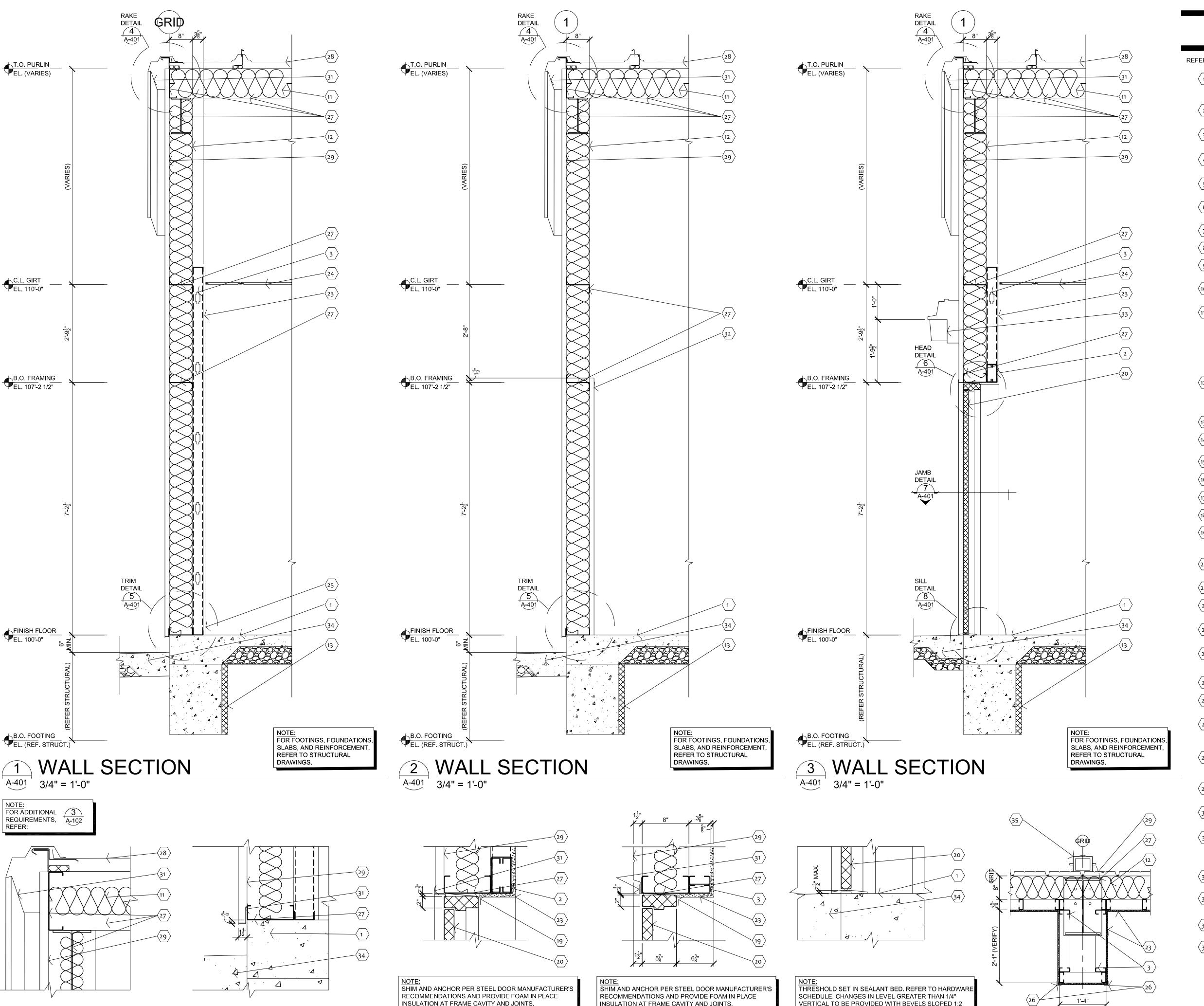
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DRAWN BY: DMF
CHECKED BY: XXX
DESIGNED BY: DMF

SHEET TITLE:

BUILDING SECTIONS

SHEET NUMBER:

A-301



INSULATION AT FRAME CAVITY AND JOINTS.

JAMB

1 1/2" = 1'-0"

DETAIL

DETAIL

HEAD

VERTICAL TO BE PROVIDED WITH BEVELS SLOPED 1:2

SILL

1 1/2" = 1'-0"

KEY NOTES

REFER TO SHEET A-301 FOR GENERAL NOTES.

- CONCRETE FLOOR SLAB, REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL
- COLD FORM METAL BOX HEADER. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 362S162-33 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 600S162-33 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 800S162 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.
- COLD FORM METAL DEFLECTION CHANNEL
- COLD FORM METAL TOP AND BOTTOM TRACK CONTINUOUS.
- 3/4" FIRE TREATED PLYWOOD DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- SOLID SURFACE FABRICATION. REFER TO INTERIOR FINISHES SCHEDULE.
- PRE-ENGINEERED METAL BUILDING ROOF BATT INSULATION (R-36) LINEAR SYSTEM. VAPOR BARRIER SUPPORTED BY HIGH STRENGTH STEEL STRAPS ATTACHED TO BOTTOM OF PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH (1) LAYER 8" (R-25) UN-FACED BATT INSULATION PARALLEL WITH PURLIN CAVITY AND (1) LAYER 3 1/2" (R-11) UN-FACED BATT INSULATION PERPENDICULAR OVER TOP OF ROOF PURLINS.
- PRE-ENGINEERED METAL BUILDING CAVITY WALL UNFACED BATT INSULATION (R-25) SYSTEM (UNCOMPRESSED) WITH VAPOR BARRIER SUPPORTED WITH HIGH STRENGTH STEEL STRAPS ATTACHED TO GIRTS. SEAL ALL JOINTS WITH TAPE.
- 2" RIGID INSULATION BOARD (R-10).

SEAL ALL JOINTS WITH TAPE.

- 6" UNFACED SOUND ATTENUATION BATT INSULATION. REFER TO FLOOR PLAN AND WALL TYPES.
- REMOVABLE GUTTER DEBRIS SCREENS.
- SNOW GUARDS. REFER TO ROOF PLAN.
- FIRE STOPPING COMPRESSIBLE MINERAL WOOL.
- FIRE STOPPING SEALANT CONTINUOUS AT PENETRATIONS.
- SEALANT WITH BACKER ROD BOTH SIDES OF OPENING JOINTS. COLOR TO MATCH ADJACENT MATERIAL FINISH,
- STEEL DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES AND LOCATIONS.

SCHEDULE.

- STEEL DOOR AND FRAME ENTRANCE SUBSILL EXTENSION WITH DRIP. SET IN SEALANT BED.
- 5/8" TYPE "X" GYPSUM BOARD. REFER TO INTERIOR WALL TYPES FOR ADDITIONAL REQUIREMENTS.
- SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM. REFER TO REFLECTIVE CEILING PLAN AND INTERIOR FINISH
- RESILIENT BASE. REFER TO INTERIOR FINISH SCHEDULE.
- WALL AND DOOR PROTECTION CORNER GUARD. REFER TO INTERIOR FINISH PLAN.
- PRE-ENGINEERED METAL BUILDING PRIMARY AND
- SECONDARY STRUCTURAL FRAMING. REFER TO SUBMITTALS FOR ADDITIONAL REQUIREMENTS. PRE- ENGINEERED METAL BUILDING SHEET METAL
- STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).
- PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM OVER THERMAL BREAK TAPE.
- PRE-ENGINEERED METAL BUILDING SHEET METAL **GUTTERING AND DOWNSPOUT SYSTEM.**
- PRE-ENGINEERED METAL BUILDING SHEET METAL TRIM, FLASHING, COUNTER- FLASHING, DRIP CLOSURES, TRANSITIONS, CLADDING, FLUTE CLOSURES AND ACCESSORIES.
- PRE-ENGINEERED METAL BUILDING INTERIOR WALL PANEL SYSTEM.
- EXTERIOR LIGHT FIXTURE SYSTEM, REFER TO ELECTRICAL DRAWINGS.
- CONCRETE SIDEWALK SLOPING 1/4:12 AWAY FROM BUILDING REFER TO CIVIL DRAWINGS.
- DOWNSPOUT COLLECTION SYSTEM, REFER TO CIVIL
- DRAWINGS.

PLAN SECTION

A-401

3/4" = 1'-0"

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE

PROJECT # T2337-01 6260

NEOSHO, MISSOURI

8136260012 ASSET#

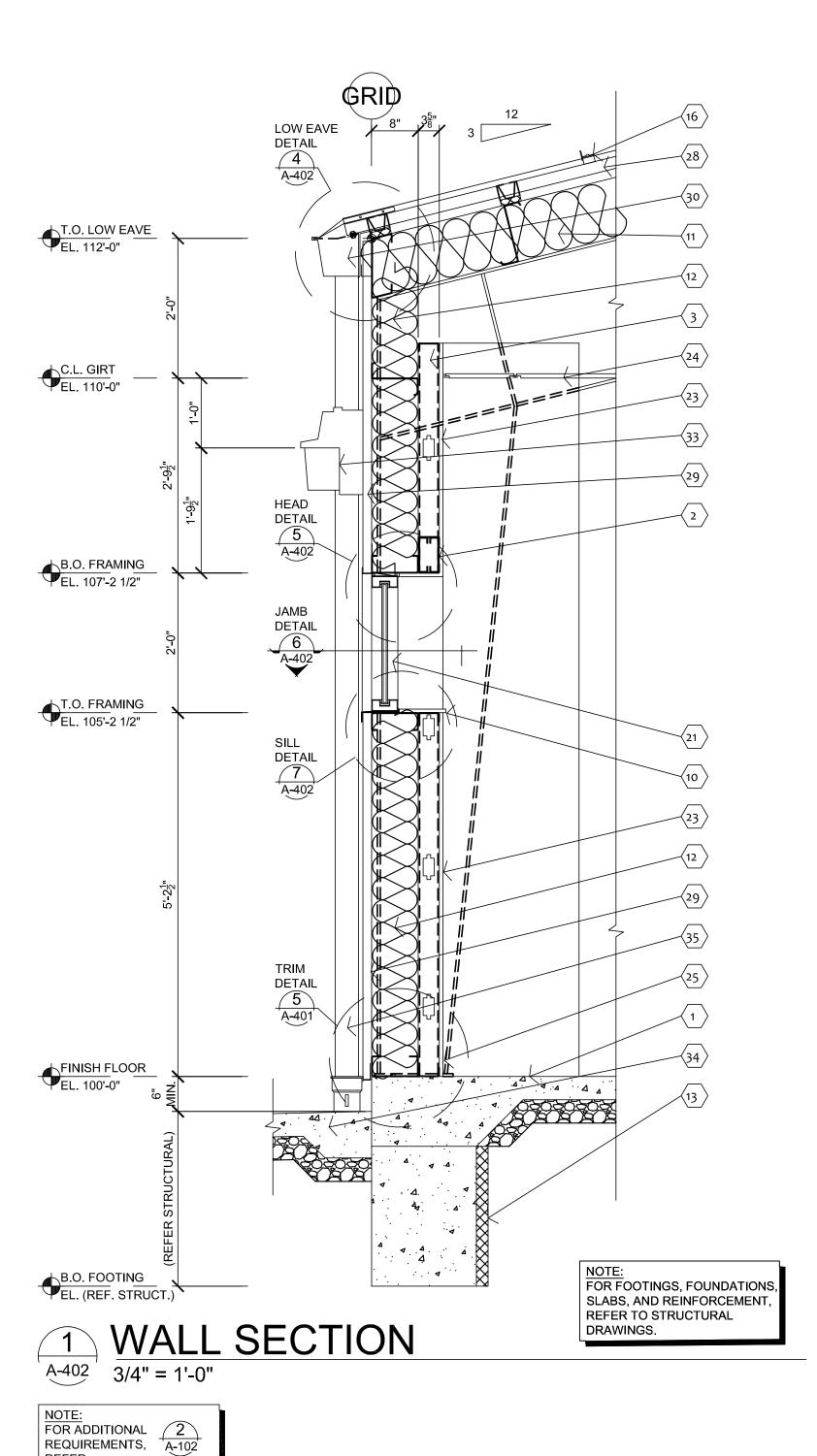
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WALL SECTIONS

SHEET NUMBER:

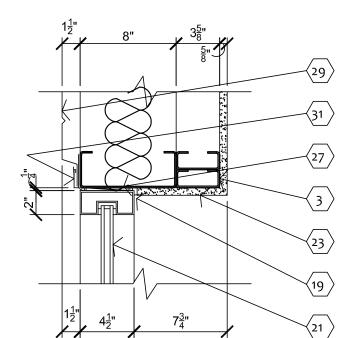


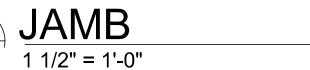
1 1/2" = 1'-0"

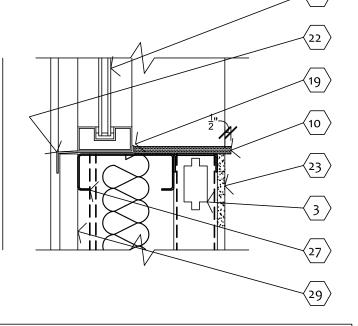
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DETAIL

2 NOT USED ^A-402 NO SCALE







SHIM AND ANCHOR PER WINDOW MANUFACTURER'S RECOMMENDATIONS AND PROVIDE FOAM IN PLACE INSULATION AT FRAME JOINTS.

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

KEY NOTES

REFER TO SHEET A-301 FOR GENERAL NOTES.

LOW EAVE DETAIL 4 A-402

DETAIL 6 A-401

DETAIL

8 A-401 SIMILAR

WALL SECTION

T.O. LOW EAVE EL. 112'-0"

C.L. GIRT EL. 110'-0"

B.O. FRAMING EL. 107'-2 1/2"

FINISH FLOOR EL. 100'-0"

B.O. FOOTING EL. (REF. STRUCT.)

A-402 3/4" = 1'-0"

- CONCRETE FLOOR SLAB, REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL
- COLD FORM METAL BOX HEADER. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 362S162-33 COLD FORM METAL FRAMING AT 24" O.C., REFER

TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.

- 600S162-33 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 800S162 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.

- 50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL
- COLD FORM METAL DEFLECTION CHANNEL.
 - COLD FORM METAL TOP AND BOTTOM TRACK CONTINUOUS.
- 3/4" FIRE TREATED PLYWOOD DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- SOLID SURFACE FABRICATION. REFER TO INTERIOR FINISHES SCHEDULE.
- PRE-ENGINEERED METAL BUILDING ROOF BATT INSULATION (R-36) LINEAR SYSTEM. VAPOR BARRIER SUPPORTED BY HIGH STRENGTH STEEL STRAPS ATTACHED TO BOTTOM OF PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH (1) LAYER 8" (R-25) UN-FACED BATT INSULATION PARALLEL WITH PURLIN CAVITY AND (1) LAYER 3 1/2" (R-11) UN-FACED BATT INSULATION PERPENDICULAR OVER TOP OF ROOF PURLINS. SEAL ALL JOINTS WITH TAPE.
- PRE-ENGINEERED METAL BUILDING CAVITY WALL UNFACED BATT INSULATION (R-25) SYSTEM (UNCOMPRESSED) WITH VAPOR BARRIER SUPPORTED WITH HIGH STRENGTH STEEL STRAPS ATTACHED TO GIRTS. SEAL ALL JOINTS WITH TAPE.
- 2" RIGID INSULATION BOARD (R-10).
- 6" UNFACED SOUND ATTENUATION BATT INSULATION. REFER TO FLOOR PLAN AND WALL TYPES.
- REMOVABLE GUTTER DEBRIS SCREENS.
- SNOW GUARDS. REFER TO ROOF PLAN.
- FIRE STOPPING COMPRESSIBLE MINERAL WOOL.
- FIRE STOPPING SEALANT CONTINUOUS AT PENETRATIONS.
- SEALANT WITH BACKER ROD BOTH SIDES OF OPENING JOINTS. COLOR TO MATCH ADJACENT MATERIAL FINISH,
- STEEL DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES AND LOCATIONS.
- ALUMINUM ENTRANCE AND STOREFRONT WINDOW SYSTEM, REFER TO FLOOR PLANS AND SCHEDULES FOR TYPES AND
- ALUMINUM ENTRANCE AND STOREFRONT SUBSILL EXTENSION WITH DRIP. SET IN SEALANT BED.
- 5/8" TYPE "X" GYPSUM BOARD. REFER TO INTERIOR WALL TYPES FOR ADDITIONAL REQUIREMENTS.
- SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM. REFER TO REFLECTIVE CEILING PLAN AND INTERIOR FINISH

SCHEDULE.

ACCESSORIES.

NOTE:
FOR FOOTINGS, FOUNDATIONS,

SLABS, AND REINFORCEMENT

REFER TO STRUCTURAL

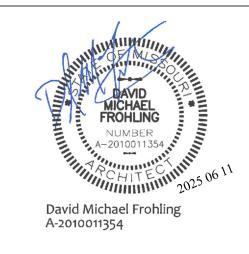
DRAWINGS.

- RESILIENT BASE. REFER TO INTERIOR FINISH SCHEDULE.
- WALL AND DOOR PROTECTION CORNER GUARD. REFER TO INTERIOR FINISH PLAN.
- PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL FRAMING. REFER TO SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- PRE- ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).
- PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM OVER THERMAL BREAK TAPE.
- PRE-ENGINEERED METAL BUILDING SHEET METAL

GUTTERING AND DOWNSPOUT SYSTEM.

- PRE-ENGINEERED METAL BUILDING SHEET METAL TRIM, FLASHING, COUNTER- FLASHING, DRIP CLOSURES, TRANSITIONS, CLADDING, FLUTE CLOSURES AND
- PRE-ENGINEERED METAL BUILDING INTERIOR WALL PANEL
- EXTERIOR LIGHT FIXTURE SYSTEM, REFER TO ELECTRICAL DRAWINGS.
- CONCRETE SIDEWALK SLOPING 1/4:12 AWAY FROM BUILDING, REFER TO CIVIL DRAWINGS.
- DOWNSPOUT COLLECTION SYSTEM, REFER TO CIVIL DRAWINGS.

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260 8136260012 ASSET#

REVISION: DATE: REVISION: DATE **REVISION**:

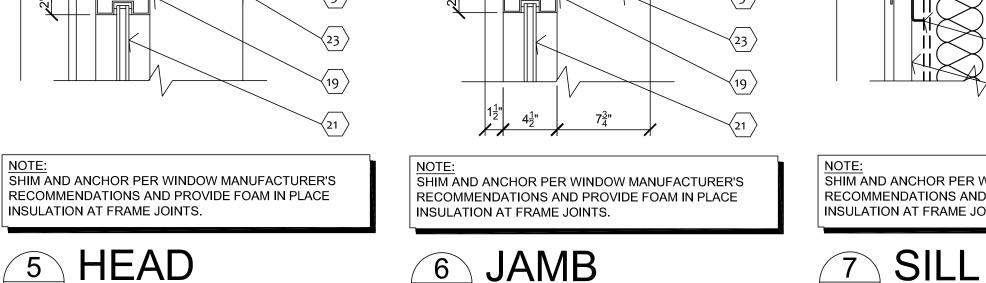
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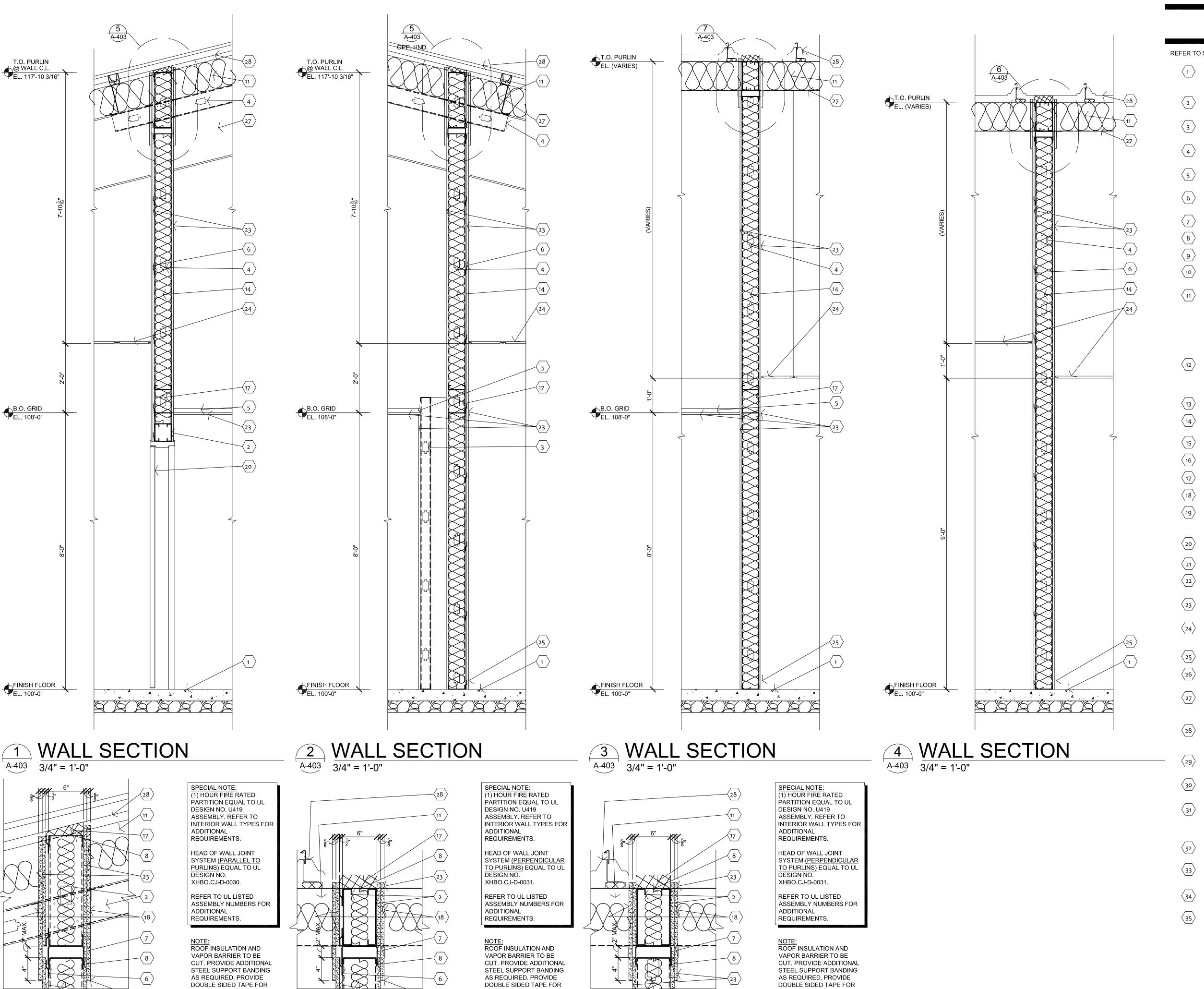
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DESIGNED BY: DMF

SHEET TITLE:

WALL SECTIONS

SHEET NUMBER:





ATTACHMENT OF VAPOR

BARRIER TO WALL. SEAL

VAPOR BARRIER JOINTS.

(PARALLEL TO ROOF PURLINS)

ATTACHMENT OF VAPOR BARRIER TO WALL. SEAL

VAPOR BARRIER JOINTS.

ATTACHMENT OF VAPOR BARRIER TO WALL. SEAL VAPOR BARRIER JOINTS.

KEY NOTES

REFER TO SHEET A-301 FOR GENERAL NOTES.

CONCRETE FLOOR SLAB, REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL

COLD FORM METAL BOX HEADER. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

362S162-33 COLD FORM METAL FRAMING AT 24" O.C., REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.

600S162-33 COLD FORM METAL FRAMING AT 24" O.C.. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.

SUSPENDED GYPSUM BOARD GRID, SUPPORT AT 48" O.C. MIN. EACH WAY.

50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.

COLD FORM METAL DEFLECTION CHANNEL.

COLD FORM METAL TOP AND BOTTOM TRACK CONTINUOUS.

SOLID SURFACE FABRICATION. REFER TO INTERIOR FINISHES SCHEDULE.

PRE-ENGINEERED METAL BUILDING ROOF BATT INSULATION (R-36) LINEAR SYSTEM. VAPOR BARRIER SUPPORTED BY HIGH STRENGTH STEEL STRAPS ATTACHED TO BOTTOM OF PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH (1) LAYER 8" (R-25) UN-FACED BATT INSULATION PARALLEL WITH PURLIN CAVITY AND (1) LAYER 3 1/2" (R-11) UN-FACED BATT INSULATION PERPENDICULAR OVER TOP OF ROOF PURLINS. SEAL ALL JOINTS WITH TAPE.

PRE-ENGINEERED METAL BUILDING CAVITY WALL UNFACED BATT INSULATION (R-25) SYSTEM (UNCOMPRESSED) WITH VAPOR BARRIER SUPPORTED WITH HIGH STRENGTH STEEL STRAPS ATTACHED TO GIRTS. SEAL ALL JOINTS WITH TAPE.

2" RIGID INSULATION BOARD (R-10).

6" UNFACED SOUND ATTENUATION BATT INSULATION. REFER TO FLOOR PLAN AND WALL TYPES.

REMOVABLE GUTTER DEBRIS SCREENS.

SNOW GUARDS. REFER TO ROOF PLAN.

FIRE STOPPING COMPRESSIBLE MINERAL WOOL.

FIRE STOPPING SEALANT CONTINUOUS AT PENETRATIONS.

SEALANT WITH BACKER ROD BOTH SIDES OF OPENING JOINTS. COLOR TO MATCH ADJACENT MATERIAL FINISH, UNLESS OTHERWISE NOTED.

STEEL DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES AND LOCATIONS.

NOT USED.

ALUMINUM ENTRANCE AND STOREFRONT SUBSILL EXTENSION WITH DRIP. SET IN SEALANT BED.

5/8" TYPE "X" GYPSUM BOARD. REFER TO INTERIOR WALL TYPES FOR ADDITIONAL REQUIREMENTS.

SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM. REFER TO REFLECTIVE CEILING PLAN AND INTERIOR FINISH

SCHEDULE.

RESILIENT BASE. REFER TO INTERIOR FINISH SCHEDULE.

WALL AND DOOR PROTECTION CORNER GUARD. REFER TO

PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL FRAMING. REFER TO SUBMITTALS FOR ADDITIONAL REQUIREMENTS.

PRE- ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).

PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM OVER THERMAL BREAK TAPE.

PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTERING AND DOWNSPOUT SYSTEM.

ACCESSORIES.

PRE-ENGINEERED METAL BUILDING SHEET METAL TRIM, FLASHING, COUNTER- FLASHING, DRIP CLOSURES, TRANSITIONS, CLADDING, FLUTE CLOSURES AND

PRE-ENGINEERED METAL BUILDING INTERIOR WALL PANEL

EXTERIOR LIGHT FIXTURE SYSTEM, REFER TO ELECTRICAL

CONCRETE SIDEWALK SLOPING 1/4:12 AWAY FROM BUILDING, REFER TO CIVIL DRAWINGS.

DOWNSPOUT COLLECTION SYSTEM, REFER TO CIVIL

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260

8136260012 ASSET #

REVISION: DATE: REVISION: DATE **REVISION**: DATE:

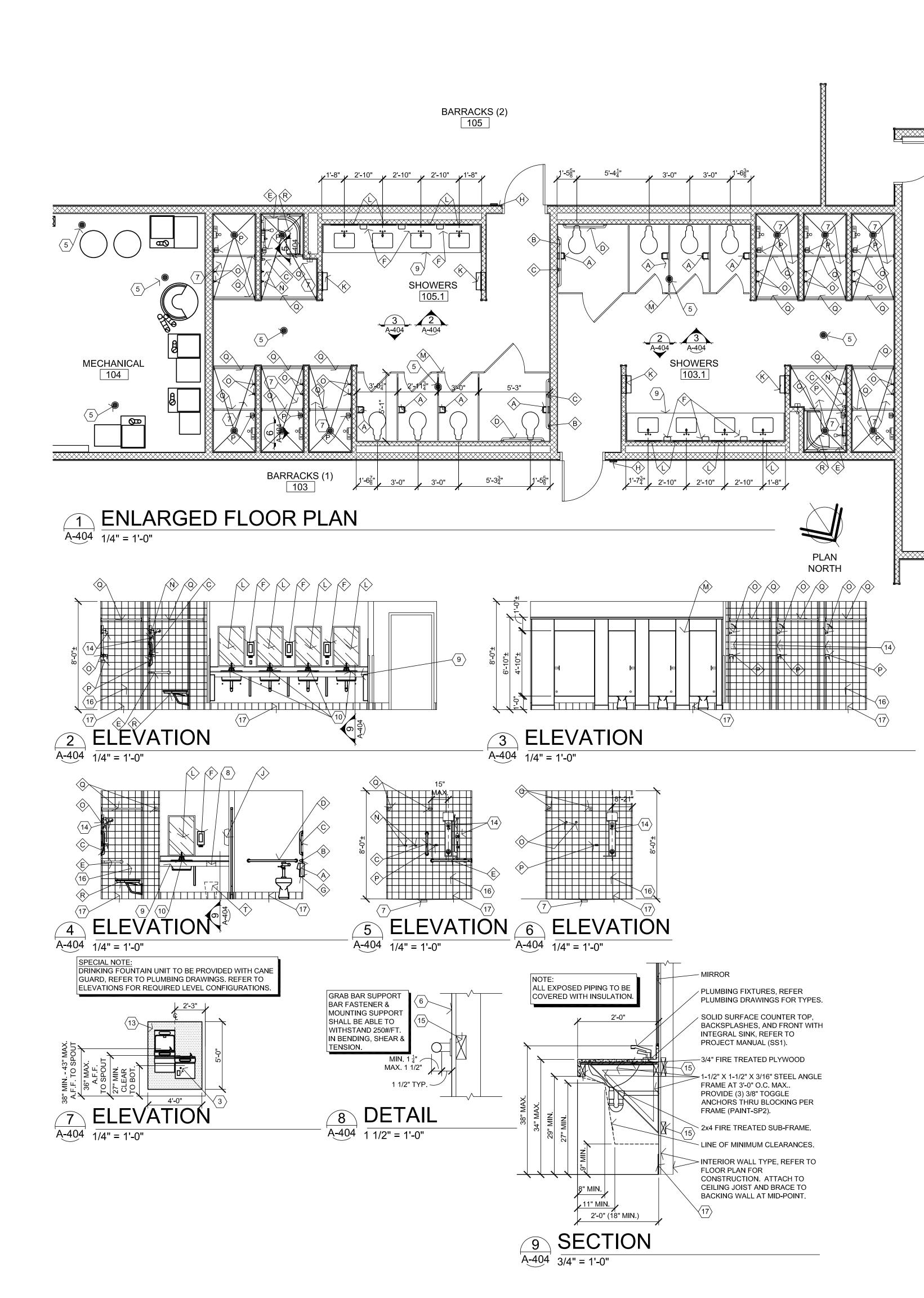
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SHEET TITLE:

WALL SECTIONS

SHEET NUMBER:



GENERAL NOTES

- $\overline{\langle \mathsf{A} \rangle}$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B ALL DIMENSIONS ARE TO ROUGH FACE OF FRAMING OR CENTERLINE OF FIXTURE UNLESS OTHERWISE INDICATED. TOILET PARTITION DIMENSIONS ARE TO FACE OF GYPSUM BOARD AND CENTERLINE OF PANEL. PANEL 1" (NOMINAL) THICKNESS DIMENSIONS NOT SHOWN FOR CLARITY.
- $\langle C \rangle$ REFER TO PLUMBING PLANS FOR PLUMBING FIXTURE TYPES.
- $\overline{f D}$ REFER TO INTERIOR FINISH PLANS FOR MATERIALS AND FINISHES.
- $\langle \mathsf{E} \rangle$ REFER TO FLOOR PLAN FOR WALL TYPES AND ASSEMBLIES.

KEY NOTES

- $\langle 1 \rangle$ VENDING MACHINE (BY OTHERS).
- $\langle 2 \rangle$ DEDICATED RECYCLING CONTAINER (BY OTHERS).
- 3 HIGH / LOW DRINKING FOUNTAIN WITH CAIN GUARD, REFER TO PLUMBING DRAWINGS.
- $\left<4\right>$ JANITOR'S SINK, REFER TO PLUMBING DRAWINGS.
- $\left\langle 5\right\rangle$ FLOOR DRAIN, REFER TO DETAIL 2/A-501 AND PLUMBING DRAWINGS.
- $\overline{\langle 6 \rangle}$ WALL CONSTRUCTION, REFER TO FLOOR PLAN FOR TYPES.
- 7 SHOWER TRENCH DRAIN, REFER TO STRUCTURAL AND PLUMBING DRAWINGS. SLOPE CONCRETE FLOOR 1/4":12" MAXIMUM TO DRAIN.
- 8 8" DIAMETER COUNTER OPENING FOR BELOW COUNTER TRASH DISPOSAL.
- $\fbox{9}$ SOLID SURFACE COUNTER TOP, SINK, FRONT, BACKSPLASH & SIDESPLASH.
- $\langle 10 \rangle$ FAUCET, REFER TO PLUMBING DRAWINGS.
- $\langle 11 \rangle$ (NOT USED).
- $\langle 12 \rangle$ FUTURE ICE MACHINE (BY OTHERS).
- (13) STAINLESS STEEL (24 GA. WITH US32D FINISH) WALL COVERING WITH EXPOSED EDGES BEVELED.
- (14) SHOWER UNIT, REFER TO PLUMBING DRAWINGS
- $\langle 15 \rangle$ FIRE TREATED 2X WOOD BLOCKING.
- $\overline{\langle 16 \rangle}$ GLAZED WALL TILE, REFER TO FINISH SCHEDULE ON SHEET I-101.
- $\langle 17 \rangle$ GLAZED TILE BASE REFER TO FINISH SCHEDULE ON SHEET I-101.

ACCESSORY SCHEDULE ACCESSORY MOUNTING LEGEND



BARRACKS (3)

106

SHOWERS

CORRIDOR

101

STORAGE

100

CORRIDOR

101

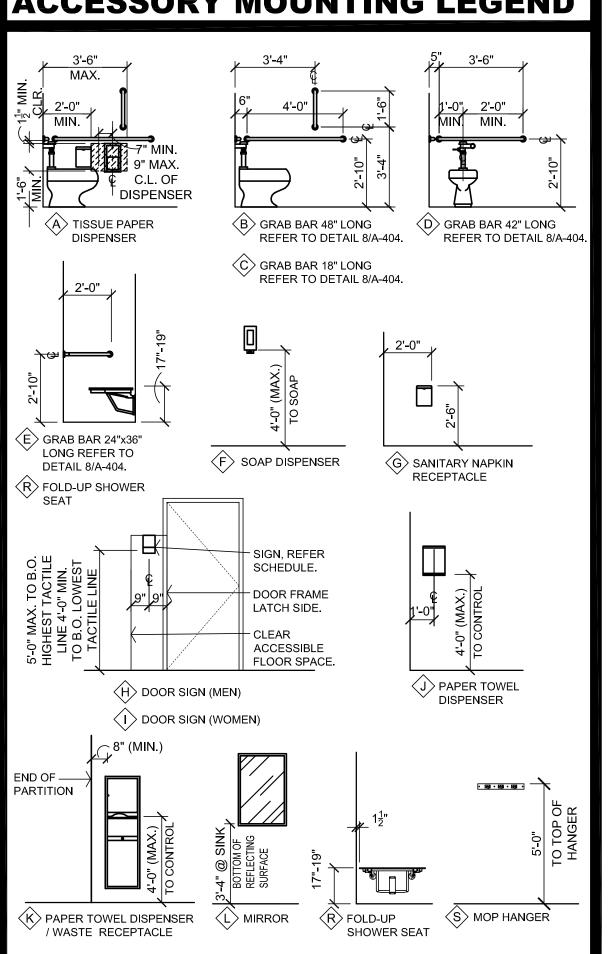
(UNDER COUNTER) MANUAL)

CCESSORY GENERAL NOTES:

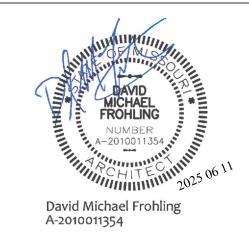
1. PHENOLIC OVERHEAD BRACED TOILET PARTITIONS WITH GAP FREE PRIVACY DOORS AND STYLES.

THROUGH-BOLTED STAINLESS STEEL HARDWARE IN US32D FINISH. REFER TO FINISH SCHEDULE. ACCESSIBLE STALL DOORS TO BE 32" MINIMUM CLEAR WIDTH PER ADA/ANSI STANDARDS AND NON-ACCESSIBLE STALL

- DOORS TO BE 24" MINIMUM CLEAR WIDTH. SHOWER CURTAIN TO BE FURNISHED AND INSTALLED BY OWNER.
- PROVIDE LENGTH REQUIRED FOR UNIT. REFER TO PLUMBING DRAWINGS.
- REFER TO PLUMBING DRAWINGS.
 OWNER FURNISHED AND CONTRACTOR INSTALLED.
- 6. REFER TO INTERIOR FINISH PLAN SIGN SCHEDULE FOR ADDITIONAL REQUIREMENTS.7. "C" FOLD PAPER TOWEL DISPENSER.



STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 SITE # 6260 ASSET # 8136260012

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/11/2025

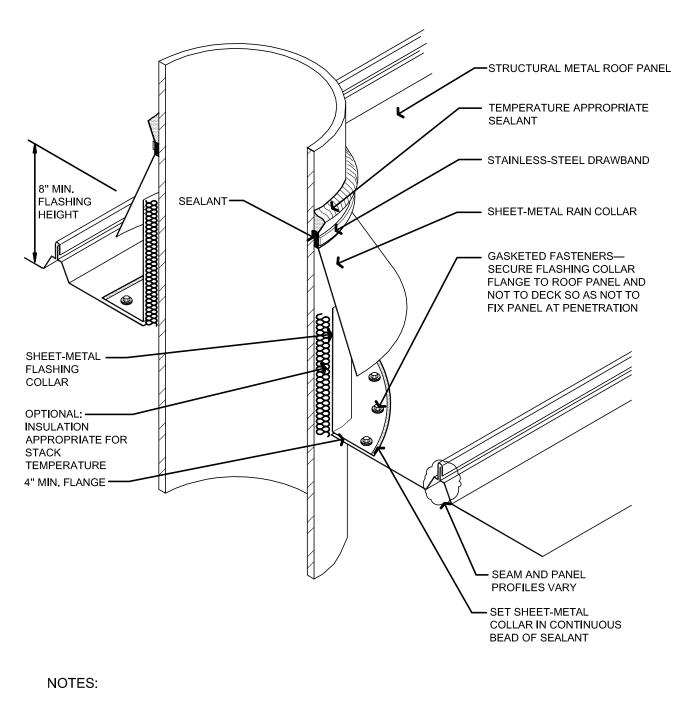
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CHECKED BY: XXX
DESIGNED BY: DMF

SHEET TITLE:

ENLARGED PLAN, INTERIOR ELEVATIONS

SHEET NUMBER:

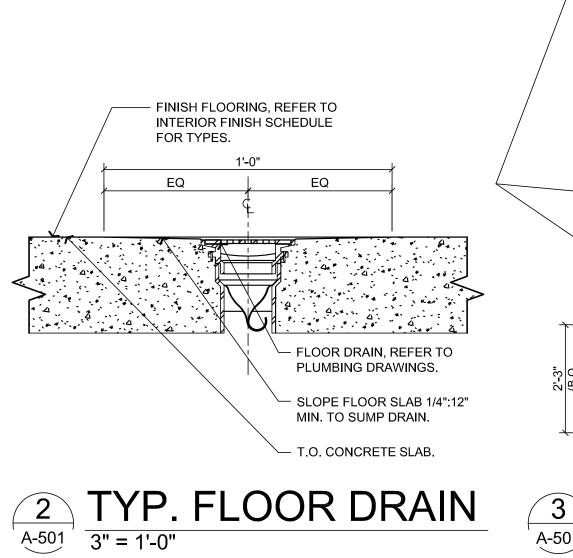
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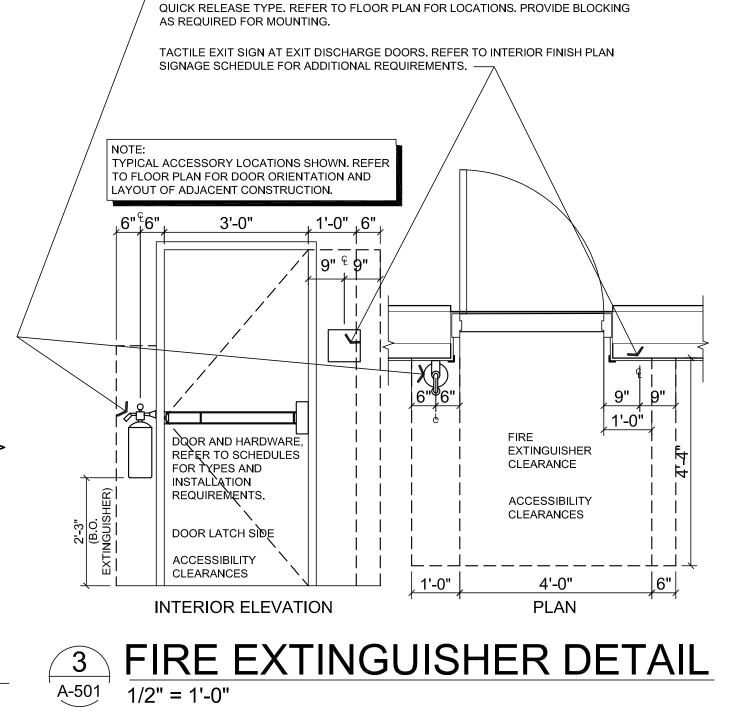


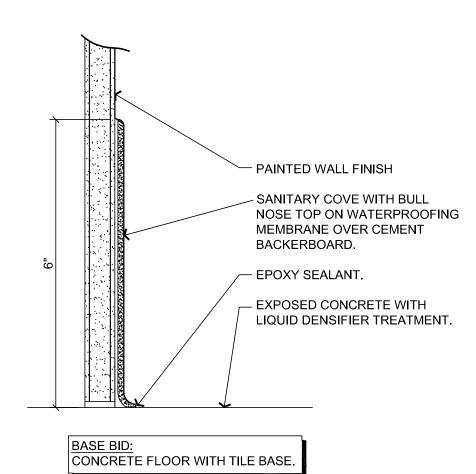
- 1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
- . VENT STACKS AND OTHER PIPES SHOULD HAVE ADEQUATE CLEARANCE ON ALL SIDES FROM WALLS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING AND PANEL DRAINAGE. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR
- 4. REFER TO THE INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL

SHEET-METAL STACK VENT [HOT OR COLD]

DETAIL







4 COVE BASE DETAIL
A-501 6" = 1'-0"

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

STATE OF MISSOURI MICHAEL L. KEHOE,

GOVERNOR

David Michael Frohling

A-2010011354

CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

ASSET # 8136260012

PROJECT # T2337-01 SITE# 6260

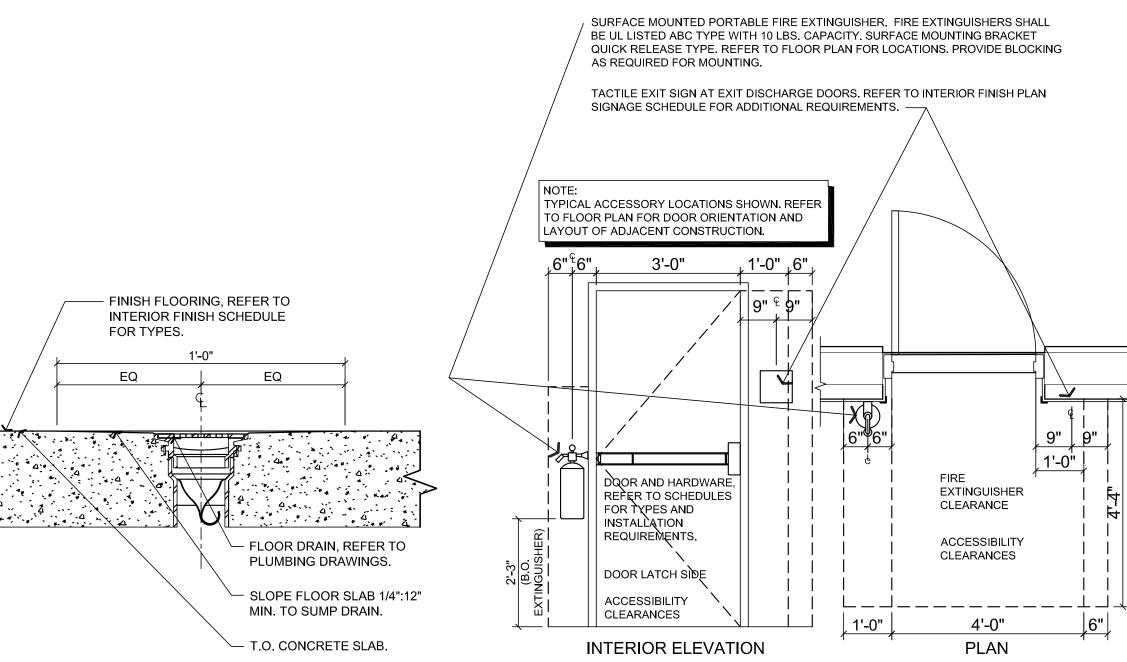
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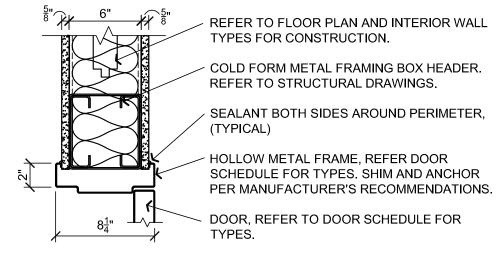
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DESIGNED BY: DMF

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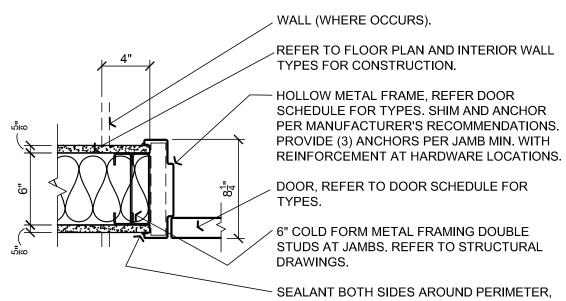
MISCELLANEOUS DETAILS

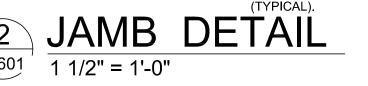
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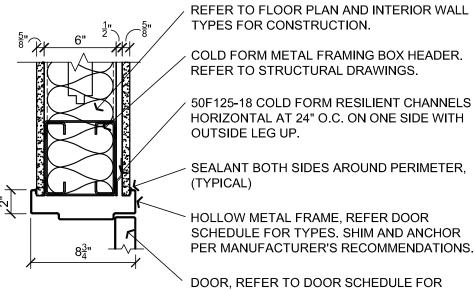




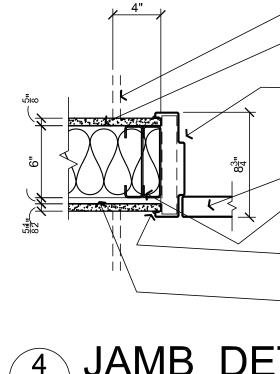
HEAD DETAIL 1 1/2" = 1'-0"











WALL (WHERE OCCURS). REFER TO FLOOR PLAN AND INTERIOR WALL TYPES FOR CONSTRUCTION.

HOLLOW METAL FRAME, REFER DOOR SCHEDULE FOR TYPES. SHIM AND ANCHOR PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE (3) ANCHORS PER JAMB MIN. WITH REINFORCEMENT AT HARDWARE LOCATIONS.

DOOR, REFER TO DOOR SCHEDULE FOR TYPES. ✓ 6" COLD FORM METAL FRAMING DOUBLE STUDS AT JAMBS. REFER TO STRUCTURAL DRAWINGS. SEALANT BOTH SIDES AROUND PERIMETER,

50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH

(TYPICAL).

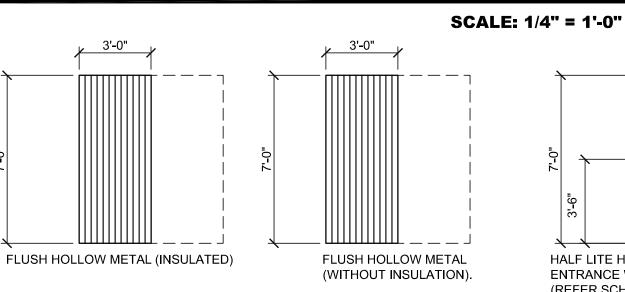
JAMB DETAIL 1 1/2" = 1'-0"

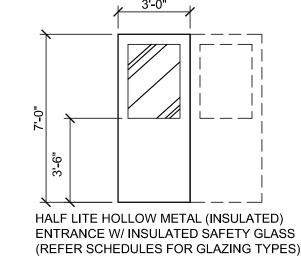
DOOR SCHEDULE

MADI	_	DO	OR			HAF	RDWARE		FRAME		D	ETAILS	3	FIRE	REMARKS
MARK	SIZE (W x H x D)	ТҮРЕ	SWING	MATERIAL	GLAZ. TYPE		KEYED	TYPE	MATERIAL	HEAD WIDTH	HEAD	JAMB	SILL	RATING	(REFER NOTES)
100A	3'-0" X 7'-0" X 1 3/4"	В	LHR	HOL. METAL	 	4	LEVEL 2	3	HOL. METAL		1/A-601	2/A-601	8/A-401 SIMĪLAR	20 MIN.	1, 2
101A	(PAIR) 3'-0" X 7'-0" X 1 3/4"	СС	RHR/LHR	HOL. METAL	1	1	LEVEL 1	1	HOL .METAL		6/A-401	7/A-401	8/A-401		1, 2
102A	3'-0" X 7'-0" X 1 3/4"	В	RH	HOL. METAL	_	4	LEVEL 3	3	HOL. METAL		1/A-601	2/A-601	-	20 MIN.	1, 2
103A	3'-0" X 7'-0" X 1 3/4"	В	LHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
103B	3'-0" X 7'-0" X 1 3/4"	Α	LHR	HOL. METAL	_	2	LEVEL 1	1	HOL. METAL		6/A-401	7/A-401	8/A-401		1, 2
103C	3'-0" X 7'-0" X 1 3/4"	В	RHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
104A	3'-0" X 7'-0" X 1 3/4"	Α	LHR	HOL. METAL	_	3	LEVEL 3	1	HOL. METAL		6/A-401 SIMILAR	7/A-401 SIMILAR	8/A-401		1, 2
105A	3'-0" X 7'-0" X 1 3/4"	В	LHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
105B	3'-0" X 7'-0" X 1 3/4"	Α	RHR	HOL. METAL	_	2	LEVEL 1	1	HOL. METAL		6/A-401	7/A-401	8/A-401		1, 2
105C	3'-0" X 7'-0" X 1 3/4"	В	RHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
106A	3'-0" X 7'-0" X 1 3/4"	В	RHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
106B	3'-0" X 7'-0" X 1 3/4"	В	LHR	HOL. METAL	_	5		2	HOL. METAL		3/A-601	4/A-601	-	20 MIN.	1, 2
106C	3'-0" X 7'-0" X 1 3/4"	Α	RHR	HOL. METAL	_	2	LEVEL 1	1	HOL. METAL		6/A-401	7/A-401	8/A-401		1, 2

1. ALL DOORS SHALL BE SHOP PREPARED FOR HARDWARE. 2. REFER TO HARDWARE NOTES FOR ADDITIONAL REQUIREMENTS.

DOOR TYPES





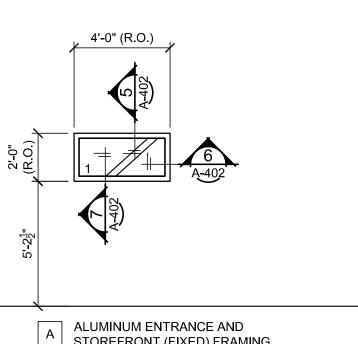
DASHED IN DOOR AND DOUBLE LETTER INDICATE PAIRED DOOR LOCATION



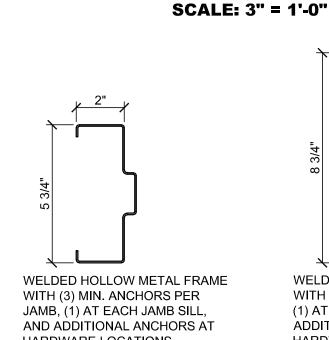
WINDOW SCHEDULE

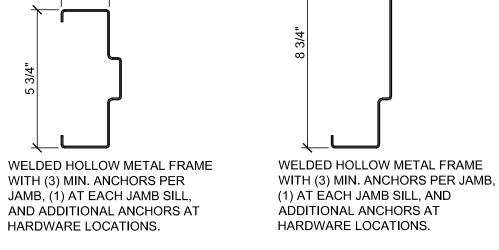
SCALE: 1/4" = 1'-0"

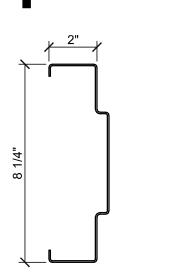
FRAME TYPES



A STOREFRONT (FIXED) FRAMING SYSTEM, THERMALLY BROKEN (2" X 4 1/2") SYSTEM (FRAME TYPE 4). PROVIDE SPECIFIED BLINDS AT EACH WINDOW.







WELDED HOLLOW METAL FRAME WITH (3) MIN. ANCHORS PER JAMB (1) AT EACH JAMB SILL, AND ADDITIONAL ANCHORS AT HARDWARE LOCATIONS.

HARDWARE SCHEDULE

ET NO. 1 (DOOR: 101A) CONTINUOUS GEARED HINGES (H1)

EXTERIOR CYLINDERS WITH REMOVABLE CORES (ANSI FUNCTION NO. 08) ENTRY LOCK AND EXIT PANIC WITH TWO POINT LOCKING SURFACE VERTICAL RODS, COVER GUARDS, DUST PROOF BOTTOM STRIKES, EXTERIOR LEVER HANDLES WITH ESCUTCHEON TRIM,

THRU-BOLT MOUNTED (L1 & E1) CLOSERS WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, ACCESSORY PLATES AND SPACERS (AS REQUIRED), THRU-BOLT

KICK PLATES (0.062T X 30"H X 2" L.D.W.) (K2) SET WEATHER SEAL PERIMETER GASKETS (W1)

SET WEATHER SEAL MEETING STILE GASKETS (W1)

WEATHER SEAL DOOR BOTTOM SWEEPS (W1) THRESHOLD (ADA / ANSI COMPLIANT) (T1) RAIN DRIP (D1)

<u>SET NO. 2 (DOORS: 103B, 105B, 106C)</u>

CONTINUOUS GEARED HINGE (H1)

EXTERIOR CYLINDER REMOVABLE CORE (ANSI FUNCTION NO. 03) MORTIS ENTRY LOCK AND EXIT PANIC, EXTERIOR LEVER HANDLE WITH ESCUTCHEON TRIM, THRU-BOLT MOUNTED (L1 & E1)

CLOSER WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, THRU-BOLT MOUNTED (C1)

KICK PLATE (0.062T X 30"H X 2" L.D.W.) (K2) SET WEATHER SEAL PERIMETER GASKETS (W1)

WEATHER SEAL DOOR BOTTOM SWEEP (W1)

THRESHOLD (ADA / ANSI COMPLIANT) (T1)

RAIN DRIP (D1)

CONTINUOUS GEARED HINGE (H1) EXTERIOR CYLINDER REMOVABLE CORE

AND ESCUTCHEON TRIM (L1) CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH, THRU-BOLT

(ANSI FUNCTION NO. F04) MORTIS ENTRY LOCK WITH LEVER HANDLES

MOUNTED (C1) KICK PLATE (0.062T X 12"H X 2" L.D.W.) (K1)

SET WEATHER SEAL PERIMETER GASKETS (W1) WEATHER SEAL DOOR BOTTOM SWEEP (W1)

THRESHOLD (ADA / ANSI COMPLIANT) (T1)

ET NO. 4 (DOORS: 100A AND 102A)

BALL BEARING HINGES (H2) (ANSI FUNCTION NO. F86) STOREROOM LOCK WITH LEVER HANDLES (L2) CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH STOP, THRU-BOLT

MOUNTED (C1) SET SMOKE SEAL PERIMETER GASKETS (PS1)

1 SMOKE SEAL DOOR BOTTOM SWEEP (W1)

SET NO. 5 (DOORS: 103A, 103C, 105A, 105C, 106A, AND 106B)

3 BALL BEARING HINGES (H2) 1 (ANSI FUNCTION NO. F75) PASSAGE LATCH WITH LEVER HANDLES (L3)

1 CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH STOP, THRU-BOLT

MOUNTED (C1)

1 KICK PLATE (0.062T X 12"H X 2" L.D.W.) **(K1)** 1 SET SMOKE SEAL PERIMETER GASKETS (PS1)

1 SMOKE SEAL DOOR BOTTOM SWEEP (W1)

GENERAL NOTES

 $\langle A \rangle$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

 $\langle \mathsf{B} \rangle$ REFER TO BUILDING CODE SUMMARY AND STRUCTURAL DRAWINGS FOR PROJECT STRUCTURAL DESIGN CRITERIA. SUBMITTALS SHALL INCLUDE MANUFACTURER'S REQUIREMENTS FOR ANCHOR TYPES, SPACING. AND LOCATIONS REQUIRED FOR PROJECT CONDITIONS.

(C) DIMENSIONS TO ROUGH FACE OF OPENING UNLESS OTHERWISE INDICATED. FIELD VERIFY FINAL ROUGH OPENING DIMENSIONS PRIOR TO OPENING ASSEMBLY FABRICATION.

 $\langle D \rangle$ WINDOW TYPE ELEVATIONS SHOWN VIEWED FROM EXTERIOR SIDE.

 \langle E angle REFER TO EXTERIOR FINISH SCHEDULE AND INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.

HARDWARE NOTES

1. ALL HARDWARE TO BE ADA AND ANSI A117.1 COMPLIANT. CLOSURE SPEEDS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. DOOR OPENING FORCE FOR PUSHING OR PULLING OPEN DOORS, OTHER THAN FIRE DOORS, SHALL BE AS FOLLOWS:

- INTERIOR HINGED DOORS: 5.0 POUNDS MAXIMUM.

2. VERIFY COMPATIBILITY OF HARDWARE SPECIFIED. NOTIFY ARCHITECT OF INCOMPATIBILITY ISSUES PRIOR TO ORDERING AND INSTALLATION.

3. ALL HARDWARE TO BE GRADE 1 (HEAVY DUTY COMMERCIAL).

4. ALL KEYED HARDWARE TO BE COMPATIBLE WITH OWNER'S KEYING (BEST 7 PIN) SYSTEM. ALL EXTERIOR DOORS TO BE KEYED ALIKE. ALL HARDWARE CONTRACTOR FURNISHED AND INSTALLED. COORDINATE ORDERING AND DELIVERY REQUIREMENTS WITH OWNER. SUBMIT CORE SCHEDULE AS SPECIFIED TO:

MISSOURI NATIONAL GUARD ATTN: JEREMY NEWTON, DESIGN PROJECT MANAGER 6819 N. BOUNDARY ROAD JEFFERSON CITY, MO 65101 OFFICE: (573) 638-9500 ext. 37484

CELL: (573) 308-6894 EMAIL: jeremy.l.newton.nfg@army.mil

5. FILL HOLLOW METAL FRAMES WITH BATT INSULATION.

KEYING LEGEND

<u>LEVEL 1:</u>
UPGRADED SECURITY: PERIMETER ENTRANCE

LEVEL 2:
BASIC SECURITY: OFFICE, GENERAL STORAGE

BASIC SECURITY: MAINTENANCE, MECHANICAL / ELECTRICAL, JANITOR

GLAZING SCHEDULE

MANUAL SECTION 08 80 00 GLAZING FOR ADDITIONAL REQUIREMENTS). EXTERIOR PANE: 1/4" TINTED (SOLARGRAY) (2) SURFACE (LOW-E),

HEAT-TREATED (FT) AIR CAVITY: 1/2" INTERIOR PANE: 1/4" CLEAR, HEAT-TREATED (FT)

PERFORMANCE REQUIREMENTS: VISIBLE LIGHT TRANSMITTANCE (VLT): 35 VISIBLE LIGHT REFLECTANCE (EXTERIOR %): 7 VISIBLE LIGHT REFLECTANCE (INTERIOR %): 10 (NFRC) U-VALUE (WINTER NIGHTTIME): 0.29 SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.25 LIGHT TO SOLAR GAIN (LSG): 1.65

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





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

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE

PROJECT # T2337-01 6260 8136260012

ASSET #

NEOSHO, MISSOURI

REVISION REVISION REVISION

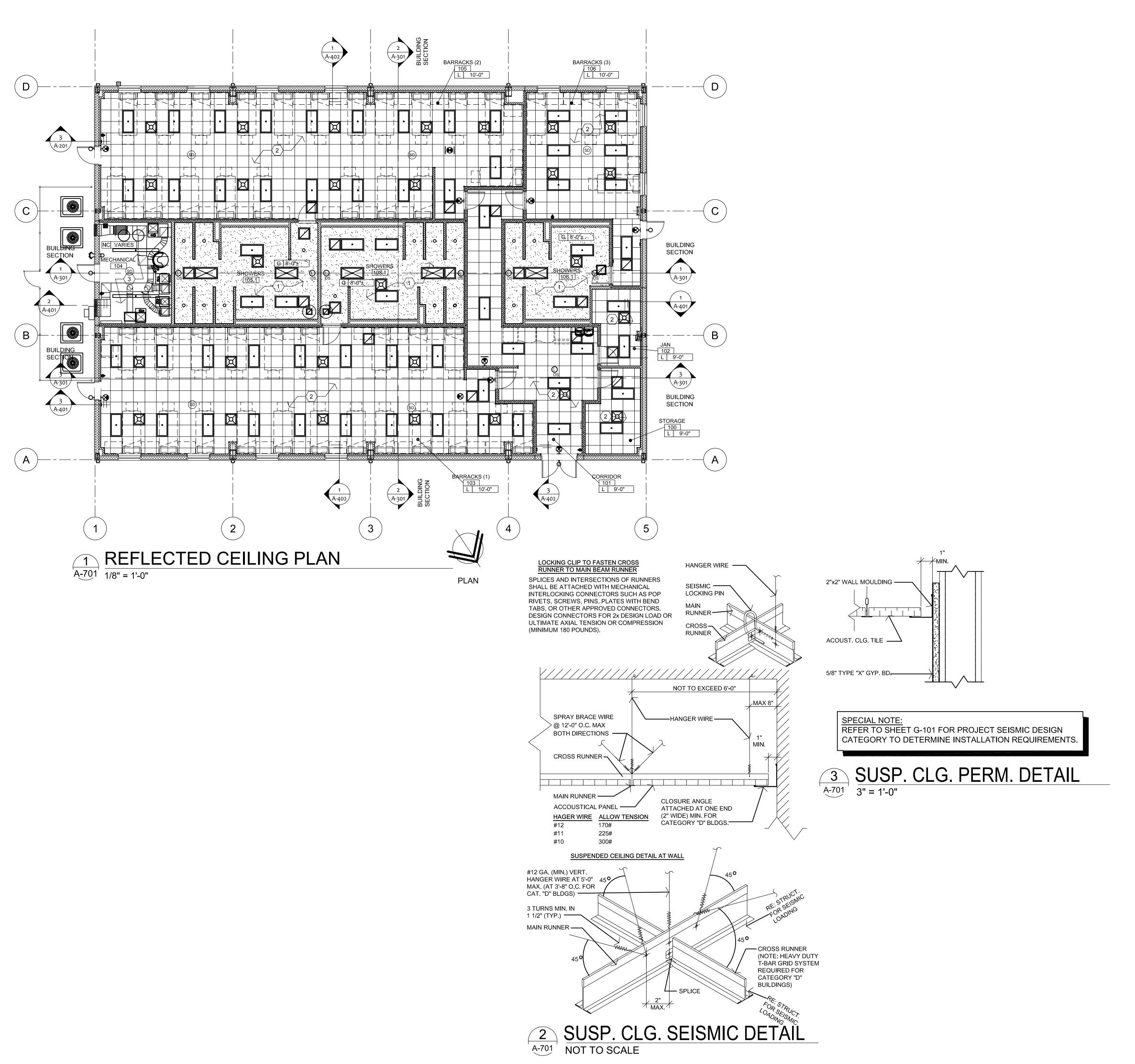
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SHEET TITLE:

DOOR AND WINDOW **SCHEDULES**

SHEET NUMBER:



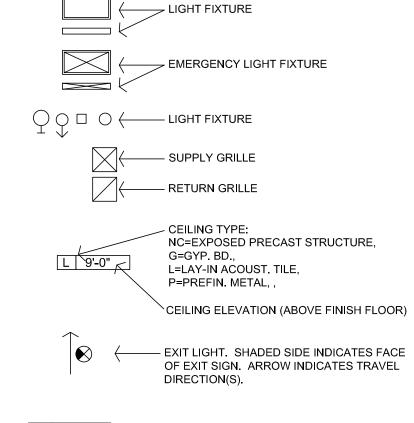
GENERAL NOTES

- $\overline{\langle \mathsf{A}
 angle}$ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B REFER TO INTERIOR WALL AND CEILING GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
- C MECHANICAL REGISTERS ARE SHOWN ON THIS DRAWING FOR THE ARCHITECTURAL LOCATIONS ONLY. REFER TO THE MECHANICAL DRAWINGS FOR TYPES, SIZES, DISTRIBUTION, CONNECTIONS, AND ALL OTHER REQUIREMENTS.
- LIGHTING FIXTURES ARE SHOWN ON THIS DRAWING FOR THE ARCHITECTURAL LOCATIONS, QUANTITIES, AND GENERAL FIXTURE TYPE ONLY. SEE THE ELECTRICAL DRAWINGS FOR EXACT FIXTURE TYPE AND CIRCUITING.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED ON THE DRAWING.
- F CONTRACTOR TO SUBMIT FIRE SUPPRESSION HEAD LOCATIONS SHOWING COORDINATION WITH REFLECTED CEILING MECHANICAL AND ELECTRICAL SYSTEMS. CENTER HEADS IN TILES.
- $\langle \mathsf{G} \rangle$ REFER TO INTERIOR FINISH PLAN FOR CEILING FINISHES.
- H PROVIDE SUSPENDED ACOUSTICAL CEILING TILE HOLD DOWN CLIPS AT AREAS SUBJECT TO UPLIFT. EXTEND 8'-0" MINIMUM INTO INTERIOR AT EXTERIOR DOOR LOCATIONS
- INDICATED CEILING ELEVATIONS TO BOTTOM OF FRAMING AT GYPSUM BOARD CONSTRUCTION AND BOTTOM OF SUSPENDED ACOUSTICAL CEILING GRID CONSTRUCTION, UNLESS OTHERWISE NOTED.
- PROVIDE SUSPENDED CEILING SEISMIC BRACING, REFER TO DETAILS 2/A-701 AND 3/A-701.
- K COORDINATE ATTACHMENT REQUIREMENTS TO PRE-ENGINEERED METAL BUILDING STRUCTURE WITH MANUFACTURER.
- EXPOSED MECHANICAL, ELECTRICAL AND FIRE SUPPRESSION SYSTEMS TO BE INSTALLED IN NEAT AND ORDERLY LAYOUT. PROVIDE FRAMING, SUPPORTS AND ATTACHMENTS AS REQUIRED FOR COMPLETE INSTALLATION.

KEY NOTES

- 1 5/8" GYPSUM BOARD ON SUSPENDED DRYWALL GRID. REFER TO INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.
- SUSPENDED ACOUSTICAL CEILING SYSTEM, REFER TO INTERIOR FINISH PLANS FOR FINISHES.
- $\fbox{3}$ EXPOSED UNFINISHED STRUCTURE, MECHANICAL AND ELECTRICAL SYSTEMS.

SYMBOLS LEGEND



GYPSUM BOARD CEILING CONSTRUCTION

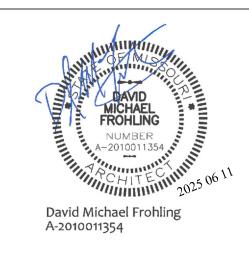
WALLS THAT EXTEND TO ROOF DECK, REFER TO CODE ANALYSIS PLAN FOR ADDITIONAL

REQUIREMENTS.

 \mathbb{O}° CEILING MOUNTED OCCUPANCY SENSOR

SD CEILING MOUNTED SMOKE DETECTOR SENSOR

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





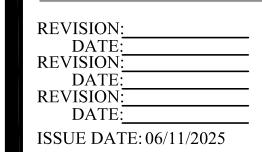
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DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW
44 SOLDIER BARRACKS
BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT#	12337-01
SITE#	6260
ASSET #	8136260012



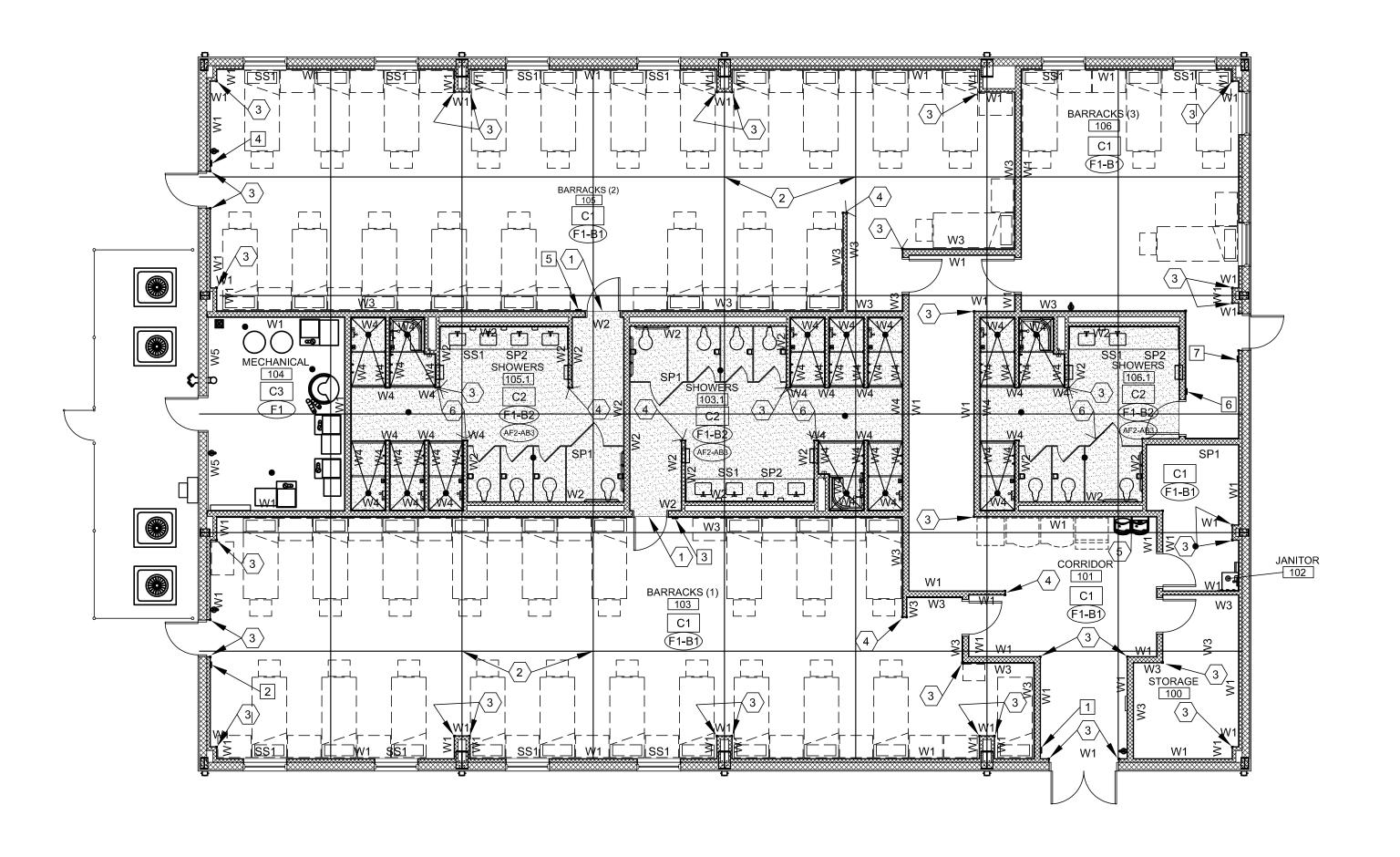
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DRAWN BY: DMF
CHECKED BY: XXX
DESIGNED BY: DMF

SHEET TITLE:

REFLECTED
CEILING PLAN

SHEET NUMBER:

A-701



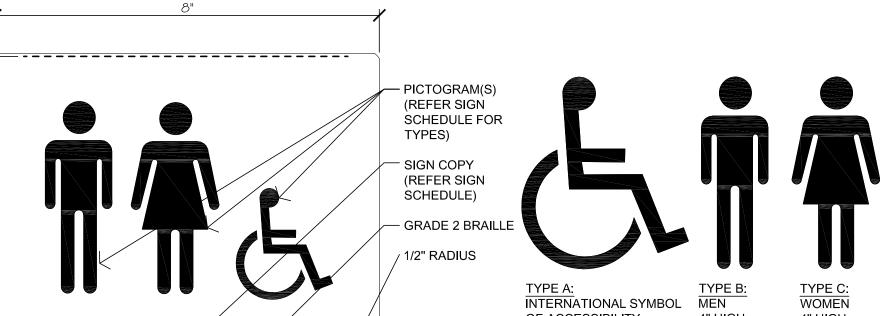
INTERIOR FINISH PLAN 1-101 1/8" = 1'-0"

RESTROOM

2 PICTOGRAM SIGNS

5 CORNER GUARD

I-101 6" = 1'-0"



OF ACCESSIBILITY. 4" HIGH 4" HIGH 1. ALL TEXT TO BE UPPERCASE HELVETICA BOLD, 5/8" CAPITAL LETTER HEIGHT, LEFT ALIGNED WITH ACCOMPANYING BRAILLE (GRADE 2 CONTRACTED). 2. TEXT TO BE RAISED 1/32" BRAILLE (GRADE 2 CONTRACTED).

TO BE DOMED. 3. PICTOGRAMS ILLUSTRATED FOR GRAPHIC PROPORTIONS ONLY. REFER TO SIGN TYPE FOR PICTOGRAM HEIGHTS REQUIRED.

BASE BID: CONCRETE FLOOR WITH TILE BASE **COVE BASE DETAIL**

WALL TILE ON WATERPROOFING

SANITARY COVE WITH FLAT TOP

MEMBRANE OVER CEMENT

ON WATERPROOFING

MEMBRANE OVER CEMENT

- EXPOSED CONCRETE WITH

LIQUID DENSIFIER TREATMENT.

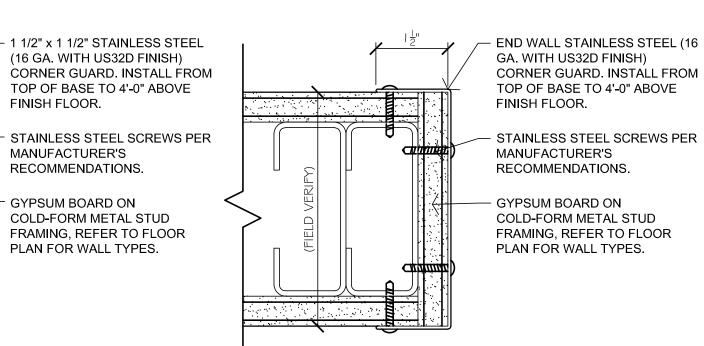
BULL NOSE (EDGE AT BOTTOM)

BACKERBOARD.

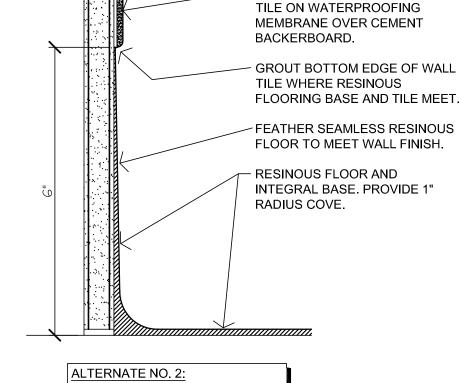
BACKERBOARD.

- EPOXY SEALANT

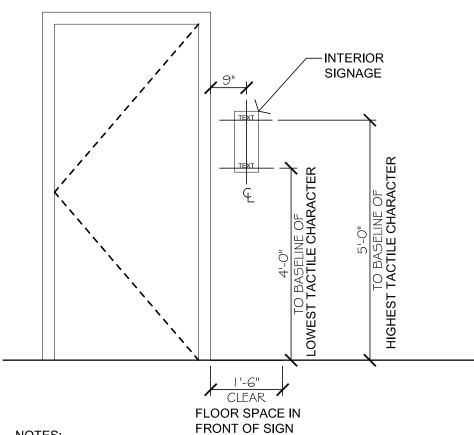
¹-101 6" = 1'-0"



6 CORNER GUARD



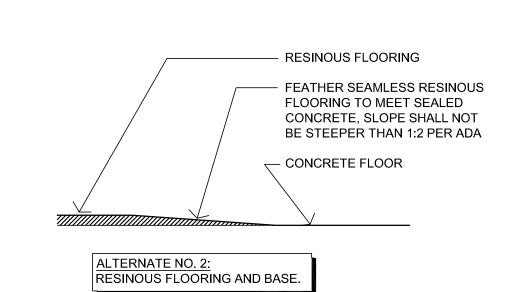
RESINOUS FLOORING AND BASE. COVE BASE DETAIL \[\begin{aligned} \begin{alig



1. INSTALL INTERIOR SIGNS THAT IDENTIFY ROOMS ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. IF THERE IS NOT ADEQUATE SPACE ADJACENT TO THE LATCH SIDE OF THE DOOR ON THE WALL, MOUNT THE SIGN ON THE DOOR. CENTER THE SIGN ALONG THE WIDTH OF THE DOOR AND MOUNT AS THE SAME HEIGHTS AS INDICATED ABOVE.

2. MOUNT WITH CONCEALED ANCHORS, PER MANUFACTURER'S STANDARD METHOD FOR SUBSTRATE. SIGN PANEL SHALL REMAIN FLAT UNDER INSTALLED CONDITIONS AS INDICATED AND WITHIN A TOLERANCE OF +/-1/16" MEASURED DIAGONALLY FROM CORNER TO CORNER.

TYP. SIGN MOUNTING I-101 1/2" = 1'-0"



8 FLOOR TRANSITION \[\int \text{1-101} \] 6" = 1'-0"

INTERIOR FINISH TYPES

EXPOSED CONCRETE WITH LIQUID DENSIFIER TREATMENT MFG: (REFER PROJECT MANUAL) COLOR: CLEAR

(AF2) BASE BID: PROVIDE FLOOR FINISH TYPE "F1". ALTERNATE NO. 2: RESINOUS FLOORING (SEAMLESS) "DUR-A-FLEX" - DUR-A-CHIP (BASIS FOR DESIGN)

COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES) MACRO / COURSE (NON-SLIP)

TYPE: RESILIENT BASE MFG: JOHNSONITE OR EQUAL (BASIS FOR DESIGN) MATERIAL: RUBBER COLOR: 40 BLACK SIZE: 6" (TYPE TS)

TILE BASE DAL-TILE OR EQUAL (BASIS FOR DESIGN) SERIES: COLOR WHEEL COLLECTION - CLASSIC MATTE DESERT GRAY X714 (OR EQUAL) 6" X 6" SANITARY COVE WITH BULLNOSE TOP OR FLAT TOP. REFER TO DETAILS 4/A-501 & 3/I-101. PROVIDE SPECIAL SHAPES FOR INSIDE CORNER,

BASE BID: PROVIDE BASE FINISH TYPE "B2".

ALTERNATE NO. 2: RESINOUS FLOORING (SEAMLESS) "DUR-A-FLEX" - DUR-A-CHIP (BASIS FOR DESIGN) COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES)

MACRO / COURSE (NON-SLIP) EXTEND UP WALL INTEGRAL WITH FLOORING 6", REFER TO DETAIL 7/I-101.

OUTSIDE CORNER, AND FINISH TYPE TRANSITIONS

GYPSUM BOARD PAINT (FIELD) SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) SW 7029 (AGREEABLE GRAY) COLOR: SHEEN: SEMI-GLOSS

GYPSUM BOARD W2 PAINT (FIELD) FINISH: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) SW 7029 (AGREEABLE GRAY) (MOLD AND MILDEW RESISTANT)

SEMI-GLOSS GYPSUM BOARD TYPE: PAINT (ACCENT) FINISH: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) MFG:

SW 6425 (RELENTLESS OLIVE) COLOR: SEMI-GLOSS SHEEN: GLAZED CERAMIC TILE DAL-TILE OR EQUAL (BASIS FOR DESIGN)

SERIES: COLOR WHEEL COLLECTION - CLASSIC SIZE: 6" X 6" COLOR: MATTE ARCTIC WHITE 0790 (1) (OR EQUAL) PATTERN: STACKED MFG: MAPEI (BASIS FOR DESIGN KERAPOXY CQ (BASIS FOR DESIGN) 38 AVALANCHE (OR EQUAL) COLOR PROVIDE SPECIAL SHAPES FOR INSIDE CORNERS,

OUTSIDE CORNERS, AND EDGE FINISH TRANSITIONS. TYPE: PRE-ENGINEERED METAL BUILDING LINER PANEL MFG: CHIEF BUILDINGS OR EQUAL (BASIS FOR DESIGN) CHIEF CS/AP PANEL WALL SYSTEM

CEILINGS SUSPENDED ACOUSTICAL CEILING C1 MFG: ARMSTRONG OR EQUAL (BASIS FOR DESIGN) STYLE: DUNE ITEM NO.: 1774 SIZE: 24"X24"X5/8" EDGE: ANGLED TEGULAR COLOR: WHITE

FROST WHITE (FW)

ALUMINUM 15/16" EXPOSED TEE GRID: COLOR: WHITE GYPSUM BOARD ON SUSPENDED GRID

TEXTURE: LEVEL 5 SMOOTH DRYWALL SURFACE FINISH: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) SW 7029 (AGREEABLE GRAY) (MOLD AND MILDEW RESISTANT) SEMI-GLOSS SHEEN:

EXPOSED STRUCTURE TYPE: UNFINISHED

COLOR

INTERIOR SURFACES HOLLOW METAL DOORS & **FRAMES** FINISH:

MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) SW 6991 (BLACK MAGIC) COLOR: SEMI-GLOSS

EXTERIOR SURFACES DOORS & FRAMES SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) (MATCH EXTERIOR SHEET METAL COLOR) SHEEN:

SOLID SURFACE MILLWORK AND WINDOW SILLS WILSONART OR EQUAL (BASIS FOR DESIGN) COLOR: MIDNIGHT FROST 9244SS LAVATORY: WILSONART "AV1812" OR EQUAL (BASIS FOR DESIGN)

TOILET COMPARTMENTS ASI - ACCURATE PARTITIONS OR EQUAL (BASIS FOR MFG: GRAPHITE GRAFIX 3020 (BLACK CORE)

METAL SUPPORT BRACKETS AT LAVATORY LOCATIONS FINISH: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) SW 6991 (BLACK MAGIC) (MATCH "D1") SHEEN: SEMI-GLOSS

GENERAL NOTES

(A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

 $\langle \mathsf{B} \rangle$ FINAL COLORS AND TEXTURES TO BE SELECTED BY OWNER FROM MANUFACTURER'S SPECIFIED SAMPLES.

 \langle C \rangle PROVIDE FLOORING TRANSITIONS, REDUCERS AND EDGING AS REQUIRED FOR SPECIFIC CONDITIONS.

 $\langle { t D}
angle$ REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.

 \langle E \rangle REFER TO ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL REQUIREMENTS.

 $\langle \mathsf{F} \rangle$ REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL REQUIREMENTS.

 $\langle \mathsf{G}
angle$ GYPSUM BOARD FINISH TEXTURE TO BE SMOOTH FINISH ON "LEVEL 5" SURFACE. FINAL TEXTURES TO BE SELECTED BY OWNER FROM SPECIFIED SAMPLES.

 $\langle \mathsf{H} \rangle$ ALL GYPSUM BOARD EXPOSED WALLS TO BE FINISH TYPE "W1" UNLESS OTHERWISE INDICATED.

\ ALL GYPSUM BOARD EXPOSED WALLS TO BE PROVIDED WITH BASE $^\prime$ FINISH TYPE "B1" UNLESS OTHERWISE INDICATED.

 \langle J \rangle ALL SHOWER ENCLOSURE WALLS TO BE FINISH TYPE "W4" UNLESS OTHERWISE INDICATED.

 $\langle \kappa \rangle$ ALL INTERIOR STEEL DOORS AND FRAMES TO BE FINISH TYPE "D1". UNLESS OTHERWISE INDICATED. ALL EXTERIOR STEEL DOORS AND FRAMES TO BE FINISH TYPE "D1" ON INTERIOR SIDE AND FINISH TYPE "D2" ON EXTERIOR SIDE OF DOOR.

 \langle $_{\sf L}$ angle ALL TOILET COMPARTMENTS TO BE FINISH TYPE "SP1".

 $\langle \mathsf{M} \rangle$ ALL MILLWORK AND WINDOW SILL SOLID SURFACE FABRICATIONS TO BE FINISH TYPE "SS1", UNLESS OTHERWISE INDICATED.

 \langle N \rangle PROVIDE SEALANT AT ALL EXPOSED CONCRETE FLOOR JOINTS. COLOR TO MATCH NATURAL CONCRETE GRAY.

 \langle O \rangle ALL ELECTRICAL DEVICES TO BE BLACK FINISH AND COVER PLATES. TO BE STAINLESS STEEL FINISH, UNLESS OTHERWISE INDICATED.

 \langle P \rangle ALL WINDOW OPENINGS TO BE PROVIDED WITH WINDOW BLINDS. COLOR TO MATCH WINDOW FRAME.

 $\langle \mathsf{Q} \rangle$ all metal support brackets for millwork to be painted "SP2", UNLESS OTHERWISE INDICATED.

KEY NOTES

 \langle 1 angle RESIN FLOORING TO CONCRETE FLOOR FINISH TRANSITION, REFER. TO DETAIL 8/I-101 (ALTERNATE NO. 3).

 \langle 2 \rangle CONCRETE FLOOR JOINTS, REFER TO STRUCTURAL. PROVIDE SEALANT AT ALL EXPOSED LOCATIONS.

 \langle 3 angle CORNER GUARD, REFER TO DETAIL 5/I-101.

 \langle 5 angle DRINKING FOUNTAIN STAINLESS STEEL (24 GA. WITH US32D FINISH) WALL COVERING WITH EXPOSED EDGES BEVELED, REFER TO INTERIOR ELEVATIONS.

 \langle $_4$ angle WALL END CORNER GUARD, REFER TO DETAIL 6/I-101

 $\overline{\langle \, 6 \, \rangle}$ TILE TO PAINT WALL FINISH TRANSITION.

SIGNAGE GENERAL NOTES

A. CONFIRM ALL ROOM SIGNAGE COPY WITH OWNER.

B. FOR TYPICAL SIGN MOUNTING HEIGHT REFER TO DETAIL 4/I-101.

C. SIGN DIMENSIONS SHOWN REFLECT FACE PLATE ONLY.

D. THE MOUNTING LOCATION OF INTERIOR SIGNS SHOULD BE ARRANGED SO THAT A PERSON CAN APPROACH WITHIN 3" OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR A DOOR SWING.

E. SIGNAGE COLORS TO BE WHITE TEXT AND SYMBOLS ON BLUE (NO. 15090 IN FEDERAL STANDARD 595B) BACKGROUND. COPY AND GRAPHICS TO BE A CONTRASTING COLOR. ARCHITECT TO SELECT FINAL COLORS FROM MANUFACTURER'S FULL RANGE OF COLORS.

F. SIGN MATERIAL TO LAMINATED-SHEET; SANDBLASTED POLYMER FACE SHEET WITH RAISED GRAPHICS LAMINATED TO ACRYLIC OR PHENOLIC BACKING TO PRODUCE COMPOSITE SHEET. COMPOSITE SHEET THICKNESS TO BE 1/4". SURFACE FINISH AND APPLIED GRAPHICS TO BE MANUFACTURER'S STANDARD FACTORY APPLIED EXTERIOR GRADE SIGN

SIGNAGE SCHEDULE

	SIGN NO.	ROOM NO.	SIGN TYPE	SIGN COPY	PICTOGRAMS TYPE(S)
	110.	404		EVIT	111 =(0)
	1	101	2/I-101	EXIT	А
	2	103	2/I-101	EXIT	A
	3	103	2/I-101	MEN	A & B
	4	105	2/ I -101	EXIT	Α
	5	105	2/ I -101	MEN	A & B
١	6	106	2/ I -101	WOMEN	A & C
,	7	106	2/ I -101	EXIT	Α

SYMBOLS LEGEND

(FX-BX) FLOOR OR BASE FINISH TYPE

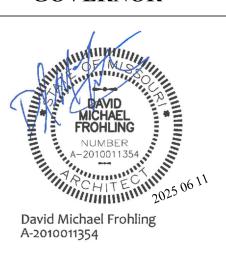
CX CEILING FINISH TYPE

WX WALL FINISH TYPE(S) AND TRIM TYPE(S)

FLOOR FINISH PATTERN

X SIGN TYPE NUMBER. REFER SIGN SCHEDULE

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**





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

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260 8136260012 ASSET#

REVISION: DATE: REVISION:

10E V 101011.
DATE:
REVISION:
DATE:
ISSUE DATE: 06/11/2025
CAD DWG EII E-T2327 01 6260 8136260

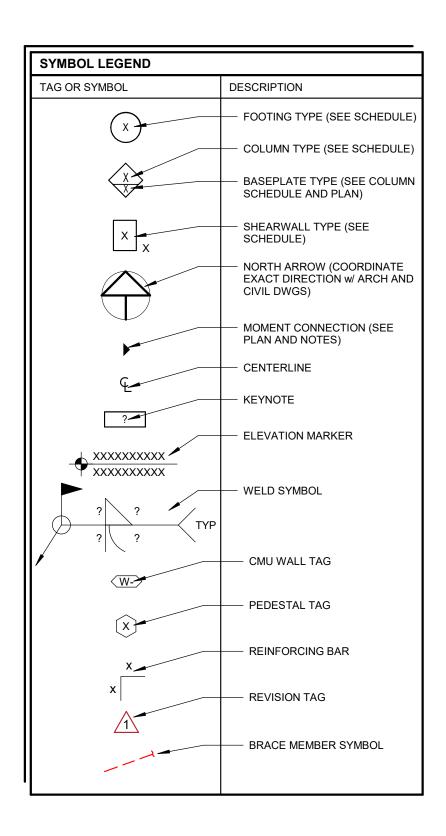
CAD DWG FILE: T2337-01-6260-81362 60012-I-101 DRAWN BY: DMF DRAWN BY: CHECKED BY: DESIGNED BY: DMF

SHEET TITLE:

INTERIOR FINISH **PLAN**

SHEET NUMBER

DES	SIGN CODE	IBC 2018	
RIS	CATEGORY CATEGORY	II	
DEA	ID LOADS		
A.	TYPICAL ROOF DEAD LOAD	SELF WT	
В.	TYPICAL COLLATERAL LOAD	7	PSF
LIVE	ELOADS		
A.	TYPICAL ROOF LIVE LOAD	20	PSF
SNC	DW LOAD		
A.	FLAT ROOF SNOW LOAD w/ RAIN-ON-SNOW (pf)	16	PSF
B.	GROUND SNOW LOAD (pg)	15	PSF
C.	EXPOSURE FACTOR (Ce)	1.0	
D.	THERMAL FACTOR (Ct)	1.0	
E.	IMPORTANCE FACTOR (Is)	1.0	
F.	DRIFT	PER CODE	
WIN	D LOAD DESIGN CRITERIA		
A.	ULTIMATE DESIGN WIND SPEED (Vult)	108	MPH
B.	EXPOSURE CATEGORY	С	
C.	DIRECTIONALITY FACTOR (Kd)	0.85	
D.	TOPOGRAPHIC FACTOR (Kzt)	1.0	
E.	INTERNAL PRESSURE COEFFICIENT (GCpi)	+/- 0.18	
F.	INTERIOR WALLS AND PARTITIONS	5	PSF
SEIS	SMIC LOAD DESIGN CRITERIA		
Α.	SHORT PERIOD ACCELERATION (SS)	0.137	
B.	LONG PERIOD ACCELERATION (S1)	0.084	
C.	SITE CLASS	D	
D.	SHORT PERIOD RESPONSE (SDS)	0.146	
E.	LONG PERIOR RESPONSE (SD1)	0.134	
F.	SEISMIC DESIGN CATEGORY	С	
G.	IMPORTANCE FACTOR (Ie)	1.0	



A.	STRUCTURAL ELEMENT	MINIMUM COVER (INCHES)
	FOOTINGS	3" ALL SURFACES
	SLAB ON GRADE	1.5" TOP & 3" BOTTOM
	RETAINING WALLS & ELEVATOR PITS	2" EXTERIOR, 3/4" INTERIOR
	PEDESTALS	1.5"
	ELEVATED SLAB	3/4" BOTTOM, 3/4" TOP (U.N.O.)
	SHEAR WALLS	3/4" (ABOVE LEVEL 1)
POR	TLAND CEMENT SHALL CONFORM TO A	STM C150, TYPE 1.

19. CL= CENTERLINE 20. CLR= CLEAR 1. CMU= CONCRETE MASONRY UNIT 22. COL= COLUMN 23. CONC= CONCRETE 24. CONN= CONNECTION 25. CONT= CONTINUOUS 26. D.B.= DECK BEARING 7. D.B.A.= DEFORMED BAR ANCHOR 28. D.E.= DECK EDGE 29. DIA= DIAMETER 30. DL= DEAD LOAD 31. DTL= DETAIL 32. DWG= DRAWING 33. E= EXISTING 34. EA= FACH 35. E.F.= EACH FACE 36. EL= ELEVATION EXPANDED POLYSTYRENE 37. EPS= 38. EQ= 39. E.W.= EACH WAY EXT= EXTERIOR CONCRETE COMPRESSIVE STRENGTH 2. F.F.= FINISHED FLOOR 3. FND= FOUNDATION 14. F.O.W.= FACE OF WALL 45. F.S.= FAR SIDE 6. FTG= FOOTING F.V.= FIELD VERIFY 48. GA= GAGE / GAUGE 49. GALV= GALVANIZED 50. G.B.= GRADE BEAM 1. G.C.= GENERAL CONTRACTOR 52. (H)= HIGH 53. H&L= HIGH & LOW 54. H.A.S.= HEADED ANCHOR STUD 5. HORIZ= HORIZONTAL 6. IBC= INTERNATIONAL BUILDING CODE 7. I.D.= INSIDE DIAMETER B. INFO= INFORMATION 60. J.B.= JOIST BEARING 1. J.B.E.= JOIST BEARING ELEVATION 2. KIP= 1000 POUNDS 3. KSI= KIPS PER SQUARE INCH LOW 64. (L)= 6 IB= POUND 7. LGSF= LIGHT-GAGE STEEL FRAMING 88. LL= LIVE LOAD 69. LLH= LONG LEG HORIZONTAL 0. LLV= LONG LEG VERTICAL 1. LONG= LONGITUDINAL . L.P.= LAYOUT POINT B. LVL= LAMINATED VENEER LUMBER 1. LW= LIGHTWEIGHT . MAX= MAXIMUM . MECH= MECHANICAL MEP= MECHANICAL, ELECTRICAL, PLUMBING 8. MFR= MANUFACTURER 9. MIL= THOUSANDS OF AN INCH). MIN= MINIMUM . MISC= MISCELLANEOUS MTI = MFTAI 33. N.I.C.= NOT IN CONTRACT 84 NS = NEAR SIDE 85. N.T.S.= NOT TO SCALE 36. N.W.= NORMAL WEIGHT 7. O.C.= ON CENTER 88. O.D.= OUTSIDE DIAMETER 89. OPP= OPPOSITE / OPPOSITE HAND 00. PAF= POWDER ACTUATED FASTENER I. P.C.F.= POUNDS PER CUBIC FOOT 2. PEMB= PRE-ENGINEERED METAL BUILDING 3. PLF= POUNDS PER LINEAR FOOT PRESERVATIVE PRESSURE TREATED 95. PSF= POUNDS PER SQUARE FOOT 96. PSI= POUNDS PER SQUARE INCH 7. PT= POST TENSIONED 98. REINF= REINFORCING 99 RFQ= RFQUIRF 100. RTU= ROOF TOP UNIT 101 S C = SLIP CRITICAL 102. SCH= SCHEDULE 103. SDI= STEEL DECK INSTITUTE 104. SIM= SIMII AR STEEL JOIST INSTITUTE 105. SJI= 106. SL= SNOW LOAD 107. S.O.G.= SLAB ON GRADE 108. SPECS= SPECIFICATIONS 109. STD= STANDARD 110. STL= STEEL 11. T= THICKNESS 112. T&B= TOP AND BOTTOM 113. T.O.= TOP OF 114. T.O.F.= TOP OF FOOTING 115. T.O.P.= TOP OF PEDESTAL 116 TOS = TOP OF STEEL 117. T.O.W.= TOP OF WALL 118. TYP= TYPICAL 119. UL= ULTIMATE LOAD 120. U.N.O.= UNLESS NOTED OTHERWISE 21. VERT= VERTICAL 122. VLD= VERTICAL LEG DOWN 123. W= WIDTH 124. WL= WIND LOAD

125. W.P.= WORK POINT

126. WWF= WELDED WIRE FABRIC

QUANTITY

ABBREVIATIONS

A R = ANCHOR ROD

A.W.= AFTER WELDING

). B.O.= BOTTOM OF

14. BRG= BEARING

15. BTM= BOTTOM

B.O.A.= BACK OF ANGLE

16 CANT= CANTILEVERED

7 CIP = CAST-IN-PLACE

13. B.O.S.= BOTTOM OF STEEL

2. B.O.F.= BOTTOM OF FOOTING

ACI= AMERICAN CONCRETE INSTITUTE

ARCH= ARCHITECTURE/ARCHITECT

AWS= AMERICAN WELDING SOCIETY

18. C.J.P.= COMPLETE JOINT PENETRATION WELD

AISI= AMERICAN IRON AND STEEL INSTITUTE

AISC= AMERICAN INSTITUTE OF STEEL CONSTRUCTION

ASTM= AMERICAN SOCIETY FOR TESTING AND MATERIALS

CONCRETE NOTES

- CONCRETE FOR FOUNDATIONS, FOOTINGS AND INTERIOR SLABS ON GRADE SHALL BE AS FOLLOWS: • 28-DAY COMPRESSIVE STRENGTH: 3000 PSI MAXIMUM WATER TO CEMENT RATIO: 0.52
- CONCRETE FOR EXTERIOR USES, SIDEWALKS, RETAINING WALLS, BASEMENT WALLS, AND EXTERIOR SLABS ON GRADE SHALL BE AS FOLLOWS: 28-DAY COMPRESSIVE STRENGTH: MAXIMUM WATER TO CEMENT RATIO: 0.45
- ASTM C260. NO LIME SAND FINE AGGREGATE MAY BE USED IN CONCRETE EXPOSED TO WEATHER, VIEW, OR IN HORIZONTAL APPLICATIONS ALL REINFORCING STEEL SHALL CONFORM TO ASTM
- A615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. LAP FABRIC 9" ON SIDES AND ENDS. MAINTAIN WIRE 1" TO 2" BELOW TOP SURFACE OF SLABS ON GRADE. PROVIDE CHAIRS, BOLSTERS OR OTHER APPROVED MEANS TO PROPERLY LOCATE REINFORCING.
- IF ADDITIONAL FLOWABILITY IS REQUIRED FOR PLACEMENT OF ANY CONCRETE MIX, A WATER-REDUCING ADDITIVE CONFORMING TO ASTM C494 TYPE A, D, E OR F SHALL BE USED. NO ADDITIONAL WATER MAY BE ADDED TO THE MIX AT THE SITE. SLUMP FOR CONCRETE CONTAINING WATER-REDUCING OR HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 8" AFTER ADMIXTURE IS ADDED TO CONCRETE WITH A 2"-4" SLUMP. INTERIOR SLABS SHALL HAVE SMOOTH TROWELED FINISH AND EXTERIOR SLABS SHALL HAVE LIGHT BROOM FINISH, UNO. ALL SLABS SHALL HAVE A CURING COMPOUND COMPLYING WITH ASTM C309 APPLIED TO SURFACE. EXCEPTIONS ARE WHERE FLOOR FINISHES REQUIRE SCRATCH FINISH AND
- WHERE CURING COMPOUNDS ARE NOT COMPATIBLE WITH ADHESIVES, ETC. CONTRACTOR SHALL COORDINATE ALL CONCRETE SEALERS, CURING COMPOUNDS, ETC TO ENSURE COMPATIBILITY WITH FLOORING ADHESIVES FOR FLOORING INDICATED IN THE FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE.
- TESTING OF FRESH CONCRETE SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER AND APPROVED BY THE ENGINEER. TESTING SHALL INCLUDE:
- SLUMP AIR CONTENT
- CONCRETE TEMPERATURE
- 28 DAY COMPRESSIVE STRENGTH NOTE ANY WATER OR ADMIXTURES ADDED ON-
- REFER TO ASTM C172 AND C94. PERFORM ONE SLUMP AND ONE AIR CONTENT TEST FOR EACH DAYS POUR AND ADDITIONAL TESTS WHEN THE CONCRETE CONSISTENCY SEEMS TO HAVE CHANGED IN THE OPINION OF THE INSPECTOR. REFER TO ASTM C143, C173 AND C231. PERFORM TEMPERATURE TESTS HOURLY WHEN THE AMBIENT AIR TEMPERATURE IS BELOW 40 DEGREES F OR ABOVE 80 DEGREES F AND ONE TEMPERATURE TEST FOR EACH SET OF COMPRESSIVE-STRENGTH SPECIMENS. REFER TO ASTM C1064. PERFORM ONE COMPRESSIVE-STRENGTH TEST FOR EACH DAYS POUR AND AN ADDITIONAL TEST FOR EACH 50 CUBIC YARD MORE THAN THE FIRST 25 CUBIC YARD. TEST ONE SPECIMEN AT 7 DAYS AND 2 SPECIMENS AT 28 DAYS. REFER TO ASTM C31 AND C39.
- CONCRETE FOR GROUTING MASONRY UNITS IS SPECIFIED IN CONCRETE MASONRY UNIT NOTES. WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL STEEL REINFORCING UNO.
- PROVIDE A MINIMUM OF 3" COVER FOR ANCHOR **BOLTS AND LOCATE HORIZONTAL REINFORCEMENT** TO THE OUTSIDE FOR ANCHOR BOLT CONTAINMENT, PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL AND MISCELLANEOUS ELEMENTS UNTIL CONCRETE HAS OBTAINED 80% OF DESIGN STRENGTH
- AND ALL PERMANENT BRACING ELEMENTS ARE INSTALLED UNLESS NOTED OTHERWISE, PROVIDE CONSTRUCTION JOINTS IN SLABS ON GRADE AT APPROXIMATELY 50 FEET IN EACH DIRECTION. PROVIDE CONTROL JOINTS IN SLABS ON GRADE AT APPROXIMATELY 10 FEET ON CENTER IN EACH DIRECTION. JOINTS SHALL FORM NEARLY SQUARE SHAPES. CONTRACTOR SHALL COORDINATE JOINT LOCATIONS WITH TILE LAYOUT AS SHOWN IN THE
- FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE WHERE DOWELS BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO "HILTI" HIT RE 500 INJECTION ADHESIVE FOLLOW ALL MANUFACTURERS RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR
- SAWN CONTROL JOINTS SHALL BE PLACED AS SOON AS CONCRETE IS ABLE TO BE SAWN WITHOUT PULLING OUT AGGREGATE FROM FLOOR. SLABS SHALL NOT BE LEFT OVERNIGHT, OR ANY REASONABLE AMOUNT OF TIME. WITHOUT SAWING JOINTS. WEATHER IS CRITICAL TO SCHEDULE OF SAWN JOINTS. IF LARGE AREAS OF SLAB ARE POURED AT ONE TIME SEVERAL SAWS MAY BE REQUIRED TO PROVIDE JOINTS IN TIME TO PREVENT SHRINKAGE CRACKING. PROPER JOINTING OF SLAB IS CRITICAL. REFER TO ACI MANUAL OF CONCRETE PRACTICE FOR PROPER JOINTING TECHNIQUES DETAILING MATERIALS AND INSTALLATION OF
- CONCRETE REINFORCING STEEL SHALL MEET REQ. AS SET FORTH BY CRSI AND THE AMERICAN CONCRETE INSTITUTE AND THE APPLICABLE BUILDING CODE. SHOP DRAWINGS SHALL BE SUBMITTED INDICATING COMPLETE INFORMATION REQUIRED FOR
- CONSTRUCTION OF THE REINFORCED CONCRETE ELEMENTS. SHOP DRAWINGS SHALL INCLUDE LAYOUT AND DIMENSIONS OF REINFORCING INCLUDING ANY OPENINGS, CONVENTIONAL REINFORCEMENT DETAILS, CONNECTION DETAILS, PROCEDURES AND SEQUENCES ETC. WHEN PLACING CONCRETE IN HOT WEATHER, REFER
- TO ACI 301. WHEN PLACING CONCRETE IN COLD WEATHER REFER TO ACI 306 1 CONCRETE ACCESSORIES SHALL BE PLASTIC TIPPED. FLY ASH MAY BE USED AT CONTRACTOR'S OPTION, 25% MAXIMUM.

- A SOIL INVESTIGATION HAS BEEN DONE FOR THIS SITE. REFER TO ANDERSON ENGINEERING PROJECT # 22SP10231 DATED 10/18/2023. THIS REPORT SHALL BE CONSIDERED A PART OF THESE FOUNDATION NOTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, BE FAMILIAR WITH AND ADHERE TO THE RECOMMENDATIONS IN THE
- REPORT. IF ANY RECOMMENDATION IN THE REPORT CONFLICTS WITH OTHER REQUIREMENTS IN THE CONTRACT DOCUMENTS NOTIFY THE ENGINEER FOR CLARIFICATION (FOR BIDDING AIR-ENTRAINMENT: PURPOSES UTILIZE THE MORE STRINGENT AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO REQUIREMENT UNTIL FORMAL CLARIFICATION IS REMOVÉ ALL UNDOCUMENTED FILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- FOOTINGS SHALL BEAR ON COMPACTED GRANULAR STONE, LEAN CONCRETE OR STIFF NATURAL SOILS PER THE GEOTECHNICAL REPORT. SUITABLE FILL OR SOILS SHALL EXTEND A MINIMUM OF TWO FOOTING WIDTHS DEEP BELOW THE FOOTINGS PERIMETER FOOTINGS SHALL BE OVER EXCAVATED AND FILLED WITH COMPACTED GRANULAR STONE OR LEAN CONCRETE TO 60 INCHES BELOW FINISH
- REMOVE UNSUITABLE SOILS, FILL & CLAYS BELOW SLABS IN ACCORDANCE WITH THE GEOTECHNICAL IN THE AREA OF THE STRUCTURE, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS, UTILITIES AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL FILL AND COMPACTION SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ADEQUATE FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED TO ENSURE COMPLIANCE WITH
 - REQUIREMENTS. TESTING OF CONTROLLED STRUCTURAL FILL SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER. SEE STRUCTURAL DRAWINGS FOR REQUIRED SPECIAL INSPECTIONS AND TESTING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH INSPECTOR.
 - AFTER STRIPPING SITE AND PRIOR TO PLACEMENT OF ANY FILL NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. INSPECTION SHALL INCLUDE PROOF ROLLING SITE WITH HEAVY EQUIPMENT PROVIDED BY THE CONTRACTOR.

GENERAL FOUNDATION & SLAB ON GRADE NOTES

- AFTER EXCAVATION FOR FOUNDATIONS AND PRIOR TO PLACEMENT OF STEEL REINFORCEMENT OR CONCRETE, NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. WHEN SOIL OF INADEQUATE STRENGTH IS NOTED, CONTRACTOR SHALL FURTHER DEEPEN **EXCAVATIONS UNTIL SUITABLE BEARING** CONDITIONS ARE VERIFIED BY TESTING. OVEREXCAVATIONS MAY BE BACKFILLED WITH SUITABLE COMPACTED ENGINEERED FILL SUITABLE GRANULAR BASE, OR STRUCTURAL CONCRETE BACKFILL (SEE GEOTECHNICAL
- REPORT FOR RECOMMENDATIONS). EXTERIOR FOOTINGS SHALL BEAR AT MIN. DEPTHS AS NOTED IN FOUNDATION DETAILS AND PLANS, 24" MINIMUM BELOW EXTERIOR FINISH GRADE, OR INTO APPROVED BEARING STRATA, WHICHEVER DEPTH IS GREATER. NOTE THAT FOOTING BEARING ELEVATIONS GIVEN ON THE PLANS ARE ESTIMATED DEPTHS ONLY. WHERE UNSUITABLE SOIL IS ENCOUNTERED, FOOTING DEPTHS MAY VARY
- **EXCAVATION FOR FOOTINGS SHALL BE CUT TO** ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE
- CONTINUOUS FOOTINGS AND INDIVIDUAL FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE SOIL BEARING OF CONTINUOUS FOOTINGS: 2000 PSF
- INDIVIDUAL FOOTINGS: 2000 PSF FOR EITHER NATURALLY OCCURRING SOIL OR COMPACTED ENGINEERED FILL . TYPICAL SLABS ON GRADE THICKNESS: 4" THICK NORMAL WEIGHT
- CONCRETE REINFORCING: 6x6-W1.4xW1.4 WELDED WIRE VAPOR BARRIER: 15 MIL., (ASTM E1745 CLASS A) SUBGRADE: A MINIMUM OF 6" OF FREE-DRAINING GRANULAR BASE, COMPACTED PER

RECOMMENDATIONS OF GEOTECHNICAL

- FNGINFFR MAINTAIN REINFORCING 1"-2" BELOW TOP SURFACE OF SLABS ON GRADE PROVIDE BOLSTERS CHAIRS OR OTHER MEANS APPROVED IN WRITING BY THE ENGINEER TO PROPERI Y LOCATE REINFORCING GRANULAR BASE SHALL BE #57 STONE OR APPROVED EQUAL UNLESS OTHERWISE INDICATED IN
- GEOTECHNICAL REPORT. REFER TO ASTM D448 FOR GRADATION. IN SOME CASES 1.5 POUNDS (MIN) OF POLYPROPYLENE FIBRILLATED FIBERS PER CUBIC YARD REINFORCING MAY BE SUBSTITUTED FOR THE WWF REINFORCING ANY VISIBLE FIBERS REMAINING AFTER CONCRETE HAS CURED SHALL BE TORCHED OFF. THIS SUBSTITUTION IS NOT ALWAYS APPROPRIATE AND SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE FNGINFFR FINISH SLAB TO THE FOLLOWING TOLERANCES
- IN ACCORDANCE WITH ASTM E1155 FOR A RANDOMI Y TRAFFICKED FLOOR SURFACE OVERALL FLATNESS, F_F=45 OVERALL LEVELNESS F_L=35 MIN. LOCAL FLATNESS F_F=30 MIN. LOCAL LEVELNESS F_L=24 MEASURE WITHIN 24 HOURS OF
- DRAINAGE FILL: SEE GEOTECHNICAL REPORT . CONTRACTOR IS RESPONSIBLE TO MAINTAIN **EXCAVATIONS AND BACKFILL MATERIALS AT AN** APPROPRIATE MOISTURE CONTENT FOR PROPER SOIL BEARING CAPACITY AND COMPACTION OF BACKFILL MATERIALS WITH REGARD TO THE REQUIREMENTS OF THE SOILS REPORT CONTRACTOR SHALL COORDINATE WITH THE CIVIL SITE DRAWINGS TO DETERMINE WHETHER

COMPLETION OF FLOOR FINISHING

FOUNDATION DRAINS AROUND PERIMETER OF BUILDING AND/OR UNDER THE SLAB-ON-GRADE SHALL BE REQUIRED AND, IF SO, SHALL RUN TO DAYLIGHT OR EXTENDED TO THE STORM SEWER AT RETAINING WALLS FILTER FABRIC SHALL BE PLACED AT THE INTERFACE BETWEEN THE DRAINAGE FILL AND EITHER NATURAL OR COMPACTED SUBGRADE. PERFORATED DRAINS

SHALL ALSO BE WRAPPED WITH FILTER FABRIC.

DEFERRED SUBMITTAL NOTES

- THE FOLLOWING SUBMITTALS SHALL BE SUBMITTED FOR REVIEW AT A LATER DATE: EXTERIOR LIGHT GAUGE FRAMING
- PRE-ENGINEERED METAL BUILDING PACKAGE SUBMITTALS SHALL INCLUDE PLANS, DETAILS AND CALCULATIONS SEALED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

MEANS AND METHODS

- DESIGN LOADINGS AND STRUCTURAL ANALYSIS IS BASED ON CODE PRESCRIBED LOADS FOR THE
- COMPLETED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
- THIS STRUCTURE IS DESIGNED TO BE STABLE AS A COMPLETE WHOLE. ANY AND ALL TEMPORARY BRACES AND SHORING REQUIRED TO RESIST ALL LOADS DURING CONSTRUCTION SHALL BE DESIGNED AND SUPPLIED BY THE CONTRACTOR.
- HEAVY LOADS THAT EXCEED 75% OF ALLOWABLE LIVE LOADS SHOWN ON THE PLANS, FOR TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS, OR OTHER LOADS NOT SHOWN IN THE CONTRACT DOCUMENTS, SHALL NOT BE PLACED OR SUPPORTED FROM ELEVATED STRUCTURE WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

POST-INSTALLED ANCHOR NOTES

- CONTINUOUS INSPECTIONS ARE REQUIRED FOR POST INSTALLED ANCHOR BOLTS INCLUDING TYPE, SIZE, LENGTH, DRILLING METHOD, HOLE CLEANING PROCEDURES, AND ANCHOR INSTALLATION AND
- SETTING PROCEDURES. ADHESIVE ANCHORS SHALL BE INSTALLED BY AN ADHESIVE ANCHOR INSTALLER WHO HAS BEEN CERTIFIED BY ACI AND TRAINED BY THE MANUFACTURER. ANCHORS SHALL BE INSTALLED IN ACCORDANCE
- WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.

PRE-ENGINEERED METAL BUILDING NOTES

- COMPONENT ROOFING, BRACING, FRAMING, HAT CHANNELS, PURLINS AND GIRTS SHALL BE ENGINEERED, DESIGNED AND FABRICATED PER METAL BUILDING INDUSTRY STANDARDS. SUBMIT COMPONENT INFORMATION INCLUDING SIZE. LAYOUT. DETAILS AND INSTALLATION PROCEDURES ACCOMMODATIONS SHALL BE MADE FOR SUPPORT OF CONCENTRATED LOADS AS SHOWN ON DRAWINGS. METAL BUILDING COMPONENTS SHALL CONFORM TO
- LOCATION, SIZE, CONFIGURATIONS AND CONTROLLING HEIGHTS AS SHOWN IN THE DRAWINGS. VARIATIONS MAY BE ALLOWED ONLY BY WRITTEN APPROVAL OF THE ENGINEER. THE FOUNDATIONS ARE DESIGNED TO SUPPORT ASSUMED MAXIMUM VERTICAL AND HORIZONTAL LOADS AT BUILDING FRAMES AND ENDWALL COLUMNS. NOTIFY ENGINEER OF THE ACTUAL
- BUILDING DESIGN LOADS FOR VERIFICATION OF FOUNDATION DESIGN. PEDESTAL SIZES FOR METAL BUILDING COLUMNS ARE SHOWN IN DETAILS. REQUIRED DIMENSIONS MAY VARY FOR DIFFERENT METAL BUILDING MANUFACTURERS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROVIDE PEDESTALS PER MANUFACTURER REQUIREMENTS. SUBMIT ANY
- VARIATIONS FOR APPROVAL METAL BUILDING SUPPLIER SHALL PROVIDE
- TEMPLATES TO THE CONTRACTOR FOR ANCHOR BOLT PLACEMENT. THE METAL BUILDING SUPPLIER SHALL DESIGN THE METAL BUILDING SYSTEM ASSEMBLIES TO WITHSTAND DESIGN LOADS INDICATED WITH LIVE LOAD DEFLECTIONS NO GREATER THAN THE
- FOLLOWING: SECONDARY MEMBERS AND COMPONENTS
- SUPPORTING BRICK OR MASONRY:
- ALL OTHER MEMBERS AND COMPONENTS:
- A. L/360
- LATERAL DRIFT(w/o BRICK VENEER): A. H/180 (WIND)
- B. H/120 (SEISMIC) LATERAL DRIFT (w/ BRICK VENEER) A. H/300 (WIND)

B. H/240 (SEISMIC)

HOOKED DOWEL DEVELOPMENT LENGTHS IN TENSION (INCHES)										
		EMBEDMENT		EXTEN						
BAR SIZE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	90 DEG HOOK	180 DEG HOOK	MINIMUM RADIUS OF BEND (INCHES)				
#3	8	7	6	4.5	2.5	1.50				
#4	11	9	8	6.0	2.5	2.00				
#5	14	12	11	7.5	2.5	2.50				
#6	16	14	13	9.0	3.0	3.00				
#7	19	17	15	10.5	3.5	3.50				
#8	22	19	17	12.0	4.0	4.00				
#9	25	21	19	13.5	4.5	5.64				
#10	28	24	22	15.2	5.1	6.35				

NOTES:					
RADIUS OF — BEND EXTENSION	90 DEG HOO	RADIU BEND	IS OF	EXTE EG HOOK	NSION

#11 31 27 24 16.9 5.6

LAP SPLICE LENGTHS (INCHES)									
BAR SIZE		Т	ENSION (CLASS	B SPLICE)			COMPRESSION		
		OTHER BARS			TOP BARS		3000 PSI 4000 PSI		
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	5000 PSI CONCRETE		
#3	22	19	17	28	24	22	12		
#4	29	25	22	37	32	29	15		
#5	36	31	28	47	40	36	19		
#6	43	37	33	56	48	43	23		
#7	63	54	49	81	70	63	27		
#8	72	62	55	93	80	72	30		
#9	81	70	63	105	91	81	34		
#10	91	79	70	118	102	91	38		
#11	101	87	78	131	113	101	43		

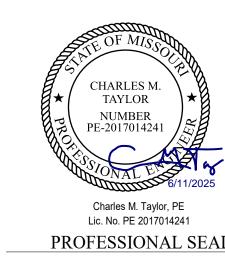
TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT LAP SPLICE LENGTHS ARE BASED ON BARS SPACED AT (2) BAR DIAMETERS OR MORE ON CENTER W/ (1) BAR DIAMETER MINIMUM OF CONCRETE COVER. NOTIFY ENGINEER IF SPACING IS LESS THAN (2) BAR DIAMETERS

	STRAIGHT DOWEL DEVELOPMENT LENGTHS (INCHES)										
			TENSION	ļ			COMPRESSION				
BAR		OTHER BARS			TOP BARS			COMPRESSION			
SIZE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE		
#3	17	17 15 13 22		22	19	17	9	8	8		
#4	22 19 17 2		29	25	22	11	11 10	9			
#5	28	24	22	36	31	28	14	12	12		
#6	33	29	26	43	37	33	17	15	14		
#7	48	42	37	63	54	49	20	17	16		
#8	55	48	43	72	62	55	22	19 18	18		
#9	62 54 48		81	70	63	25 22	21				
#10	70	61	54	91	79	70	28 25 23				
#11	78	67	60	101	87	78	31	27	25		

TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE LAP SPLICE LENGTHS ARE BASED ON BARS SPACED AT (2) BAR DIAMETERS OR MORE ON CENTER W/ (1) BARS DIAMATER MINIMUM ON CONCRETE COVER. NOTIFY ENGINEER IF SPACING IS LESS THAN (2) BAR DIAMETERS.

> RTM ENGINEERING CONSULTANTS. LLC 3045 S. KANSAS EXPRESSWAY SPRINGFIELD, MO 65807 PHONE: 417.708.9315 gineering consultants MO C of A 2014035826

STATE OF MISSOURI MICHAEL L. KEHOE GOVERNOR





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

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

8136260012

PROJECT # T2237-01

ASSET#

REVISION: REVISION DATE REVISION:

ISSUE DATE: 06/11/2025 CAD DWG FILE:

DRAWN BY: CAW

DATE:

CHECKED BY: CMT **DESIGNED BY:**

SHEET TITLE:

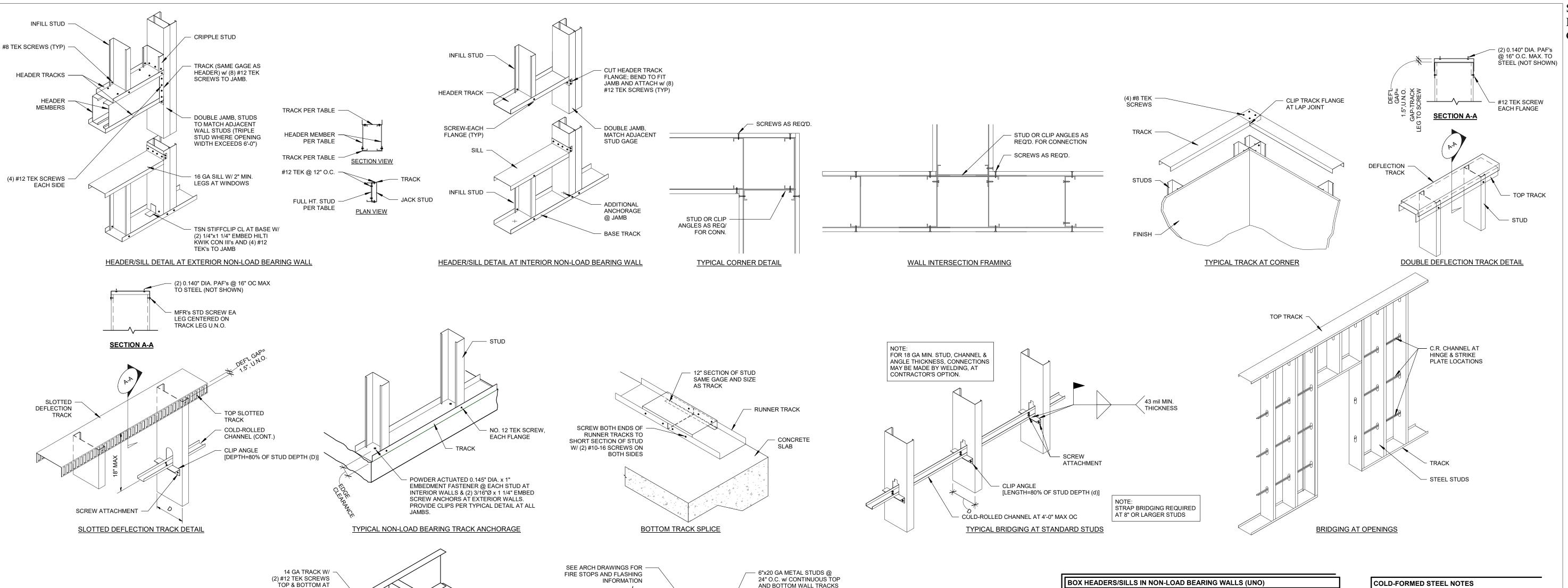
GENERAL NOTES

SHEET NUMBER:

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22 OF 33 SHEETS JUNE 11, 2025

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OPENING WIDTH

INTERIOR

SIZE AND GAGE (MIN. TO BE 18GA).

HEADERS SHALL NOT SUPPORT BRICK LOAD.

MINIMUM HEADER SIZE

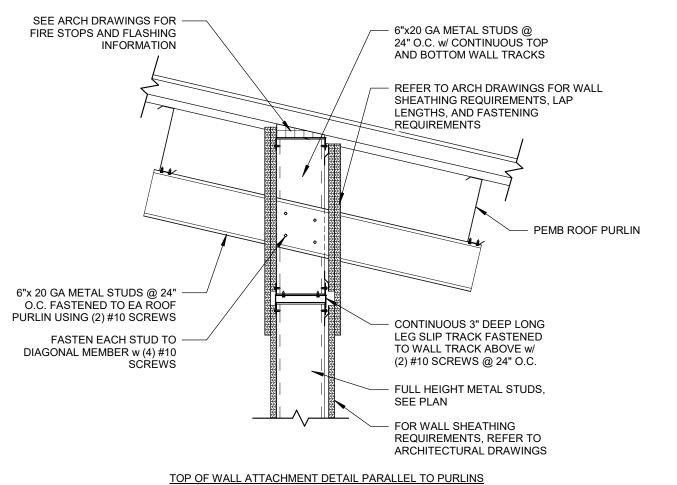
WHERE HEADERS CAN BE BRACED BY KICKERS @ 4'-0" O.C. AND ARE NOT SUPPORTING

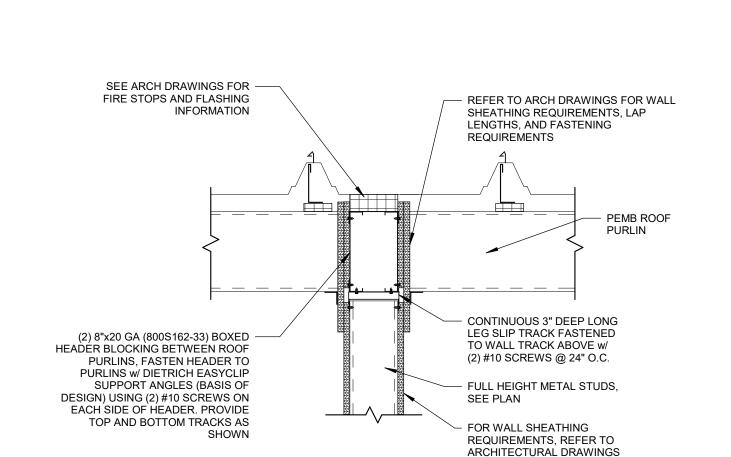
VERTICAL LOADS, A BOX HEADER IS NOT REQUIRED. PROVIDE TRACK MATCHING STUD

STUD AND TRACK SIZES SHOWN ARE MINIMUMS. DEPTHS SHALL BE COORDINATED W/

TRACKS AT BOXED HEADERS SHALL MATCH ADJACENT WALL STUD THICKNESS, U.N.O.

HEADER MEMBER





TRACK PER

TABLE

STUD PER PLAN

FLOOR FRAMING

OPENING CENTERED IN WEB; NO

REINFORCEMENT REQUIRED FOR

PENETRATIONS WITH A DIAMETER

LESS THAN OR EQUAL TO PUNCH-

REINFORCEMENT REQUIRED

THAN PUNCH-OUT WIDTH.

FOR PENETRATIONS GREATER

1. FLANGES SHALL NOT BE NOTCHED OR CUT

2. CAPACITY VERIFICATION BY DESIGNER IS

CONCENTRATED LOADS AND BEARING ENDS.

REQ'D. FOR ANY OPENINGS LOCATED AT

STUD WEB PENETRATIONS DETAIL

TOP OF WALL ATTACHMENT DETAIL PERPENDICULAR TO PURLINS

RTM ENGINEERING CONSULTANTS, LLC ■ 3045 S. KANSAS EXPRESSWAY SPRINGFIELD, MO 65807 PHONE: 417.708.9315 gineering consultants MO C of A 2014035826

PRODUCT IDENTIFICATION

IEMBER TYPE

POSSIBLE.

STANDARDS ARE ACCEPTABLE.

GENERAL PROVISIONS "

STUDS SHALL NOT BE SPLICED.

ALL NON LOAD-BEARING WALLS.

INDICATED ON DRAWINGS.

AWAY FROM THE STUD END.

MEMBERS SHALL BE 50 KSI.

APPROVAL OF ENGINEER.

REQUIREMENT SHALL CONTROL.

FROM UNPUNCHED MEMBERS.

NOTED ON STUD TABLES (4' MAX U.N.O.).

ENDS, EACH SIDE OF OPENINGS, AND WHERE

THE AMERICAN IRON AND STEEL INSTITUTE STANDARDS

PRODUCT GEOMETRIES MEETS OR EXCEED AISI

COLD-FORMED STEEL FABRICATION AND

ARE USED IN THIS PACKAGE. ANY MANUFACTURER WHOSE

HE LAST TWO NUMBERS INDICATE THE STEEL THICKNESS

INSTALLATION SHALL BE IN ACCORDANCE WITH AISI "STANDARD FOR COLD-FORMED STEEL FRAMING -

WELDING OF COLD-FORMED STEEL SHALL BE IN

AXIALLY LOADED STUDS SHALL BE POSITIONED

ACCORDANCE WITH THE STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION.

DIRECTLY UNDER JOIST BEARING POINTS WHENEVER

PROVIDE MANUFACTURER'S STANDARD BRIDGING AS

PROVIDE DOUBLE STUDS, MINIMUM, AT ALL PARTITION

PROVIDE DEFLECTION TRACK OR CLIPS AT HEADS OF

MINIMUM TRACK SIZE SHALL MATCH STUD SIZE U.N.O.

MINIMUM YIELD STRENGTH FOR 18 AND 20 GA COLD-FORMED MEMBERS SHALL BE 33 KSI. MINIMUM YIELD

STRENGTH FOR 16 GA AND HEAVIER COLD-FORMED

HEADERS AND BUILT-UP BEAMS SHALL BE FORMED

WITHOUT WRITTEN APPROVAL OF ENGINEER. CUTTING OF STUDS SHALL BE DONE BY SAWING,

STUDS SHALL NOT BE NOTCHED, SPLICED, OR COPED

SHEARING, OR PLASMA CUTTING. OTHER METHODS OF CUTTING ARE NOT PERMITTED WITHOUT

ALL MATERIALS AND WORK SHALL CONFORM TO THE

ARISE BETWEEN THE CODE, THE DRAWINGS, AND THE

CODE LISTED IN THESE DRAWINGS. THESE NOTES GIVE MINIMUM REQUIREMENTS. WHERE CONFLICTS

STRUCTURAL NOTES, THE MORE STRINGENT

STANDARD NON-COMPOSITE NON-LOAD BEARING

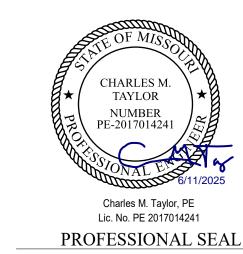
STUD TABLES FOR 5 PSF LATERAL LOAD AND L/360

INTERIOR STUD DEPTHS SHALL BE PER THE ARCHITECTURAL DRAWINGS. SIZE STUDS IN ACCORDANCE WITH THE MANUFACTURER'S

SEE STANDARD LIGHT GAGE DETAILS AND STUD CHARTS FOR ADDITIONAL INFORMATION. ALIGN WEB PUNCHOUTS IN STUD WALLS. WEB PUNCHOUTS MUST BE LOCATED A MINIMUM OF 10"

- THICKNESS (MILS)

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





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8136260012

PROJECT # T2237-01 6260

ASSET #

REVISION:

REVISION: DATE: REVISION: DATE:

ISSUE DATE: 06/11/2025

CAD DWG FILE: DRAWN BY: CAW CHECKED BY: CMT **DESIGNED BY:**

SHEET TITLE:

GENERAL NOTES & DETAILS -LGMF

SHEET NUMBER:

23 OF 33 SHEETS JUNE 11, 2025

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TYPICAL LIGHT GAGE FRAMING DETAILS

STATEMENT OF SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS ARE REQUIRED FOR THIS STRUCTURE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE ITEMS NOTED IN THE TABLE ON THIS SHEET.

 TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER.

 THE ADDRESS OF THE SHOWLES.
- AND APPROVED BY THE ENGINEER.

 3. A LETTER OF SUBSTANTIAL COMPLETION SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT BY THE SPECIAL INSPECTION PROVIDER PRIOR TO THE FINAL INSPECTION.

IBC	TABLE 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS		
VEI	RIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	_	×
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	_	х
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	_	x
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	х	_
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	_	Х

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	_	Х	ACI 318 CH. 20, 25.2,25.3, 26.6.1-26.6.3	1908.4
2.	REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;	_	Х	AWS D1.4 ACI 318:	
	B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; ANDC. INSPECT ALL OTHER WELDS	X	Х	26.6.4	_
3.	INSPECT ANCHORS CAST IN CONCRETE.	_	Х	ACI 318: 17.8.2	_
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS	x	-	ACI 318: 17.8.2.4 ACI 318:	_
	NOT DEFINED IN 4.		Х	17.8.2	
5.	VERIFY USE OF REQUIRED DESIGN MIX.	_	Х	ACI 218: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Х	_	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	х	_	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	_	Х	ACI 318: 26.5.3-26.5.5	1910.9
9.	INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	X X	_	ACI 318: 26.10	_
10	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	_	X	ACI 318: CH. 26.9	
	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	_	X	ACI 318: 26.11.2	_
12.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	_	Х	ACI 318: 26.11.1.2(b)	_

SCHEDULE - SPECIAL INSPECTIONS 2018

RE(QUIRE	O VERIFICATION AND INSPECTION OF STEEL CONS	TRUCTION OTH	ER THAN STR	UCTURAL STEEL
	VERI	FICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1.	MATE	RIAL VERIFICATION OF COLD-FORMED STEEL DEC	CK:		
	1	DENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	_	×	APPLICABLE ASTM MATERIAI STANDARDS
	B. N	MANUFACTURER'S CERTIFIED TEST REPORTS	_	Х	
2.	INSPI	ECTION OF WELDING:		•	
	Α. (COLD-FORMED STEEL DECK:			
	a	a. FLOOR AND ROOF DECK WELDS.	_	Х	AWS D1.3
	B. F	REINFORCING STEEL:		•	
	a	R. VERIFICATION OF WELDABILITY OF REINF STEEL OTHER THAN ASTM A 706.	_	Х	
	k	D. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	х	_	AWS D1.4 ACI 318: SECTION 3.5.2
	c	: SHEAR REINFORCEMENT.	X	_	
	C	I. OTHER REINFORCING STEEL.	_	Х	1

\	DIFICATION AND INCOPPORTION	CONTINUOUS	DEDIODIO	REFEREN
	RIFICATION AND INSPECTION	CONTINUOUS		STANDA
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BO	OLTS, NUTS AND WAS	SHERS:	T
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	_	Х	APPLICABLE MATERI SPECIFICAT AISC 360, SE A3
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	_	Х	_
2.	INSPECTION OF HIGH-STRENGTH BOLTING:	•		
	A. BEARING-TYPE CONNECTIONS.	_	Х	AISC 360, SE N5.6
	B. SLIP-CRITICAL CONNECTIONS.	×	Х	AISC 360, SE N5.6, TABLES 2 & 3
3.	MATERIAL VERIFICATION OF STRUCTURAL STEE	L:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	_	_	ASTM A 6 OF A 568
	B. MANUFACTURERS' CERTIFIED MILL TEST REPORTS.	_	_	ASTM A 6 ASTM A 5
4.	MATERIAL VERIFICATION OF WELD FILLER MATE	RIALS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	_	_	AISC 360, SE A3.5
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	_	_	_
5.	INSPECTION OF WELDING:			AISC 360 SE N5.4, TABLES 2 & 3
	A. STRUCTURAL STEEL:			
	a. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	Х	_	
	b. MULTIPASS FILLET WELDS.	X	_	AWS D1
	c. SINGLE-PASS FILLET WELDS > 5/16	Х	_	
	d. SINGLE-PASS FILLET WELDS ≤ 5/16	_	Х	
	e. FLOOR AND ROOF DECK WELDS.	_	Х	AWS D1
	B. REINFORCING STEEL:			
	a. VERIFICATION OF WELDABILITY OF REI STEEL OTHER THAN ASTM A 706.	NF _	Х	AWS D1.4 C
	b. REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS O SPECIAL REINFORCED CONCRETE SHE WALLS AND SHEAR REINFORCEMENT.)F	_	318: 26.6
	c. SHEAR REINFORCEMENT.	Х	_	_
	d. OTHER REINFORCING STEEL.	_	Х	_
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:			
	A. DETAILS SUCH AS BRACING AND STIFFENIN	IG. —	Х	AISC 360 SE
	B. MEMBER LOCATIONS.	_	_	N5.8
	C. APPLICATION OF JOINT DETAILS AT			1

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





OFFICE OF ADMINSTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUARD DEPT. OF ADJUTANT GENERAL

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

ASSET # 8136260012

PROJECT # T2237-01 SITE # 6260

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 06/11/2025

CAD DWG FILE:
DRAWN BY: CAW_
CHECKED BY: CMT_
DESIGNED BY:

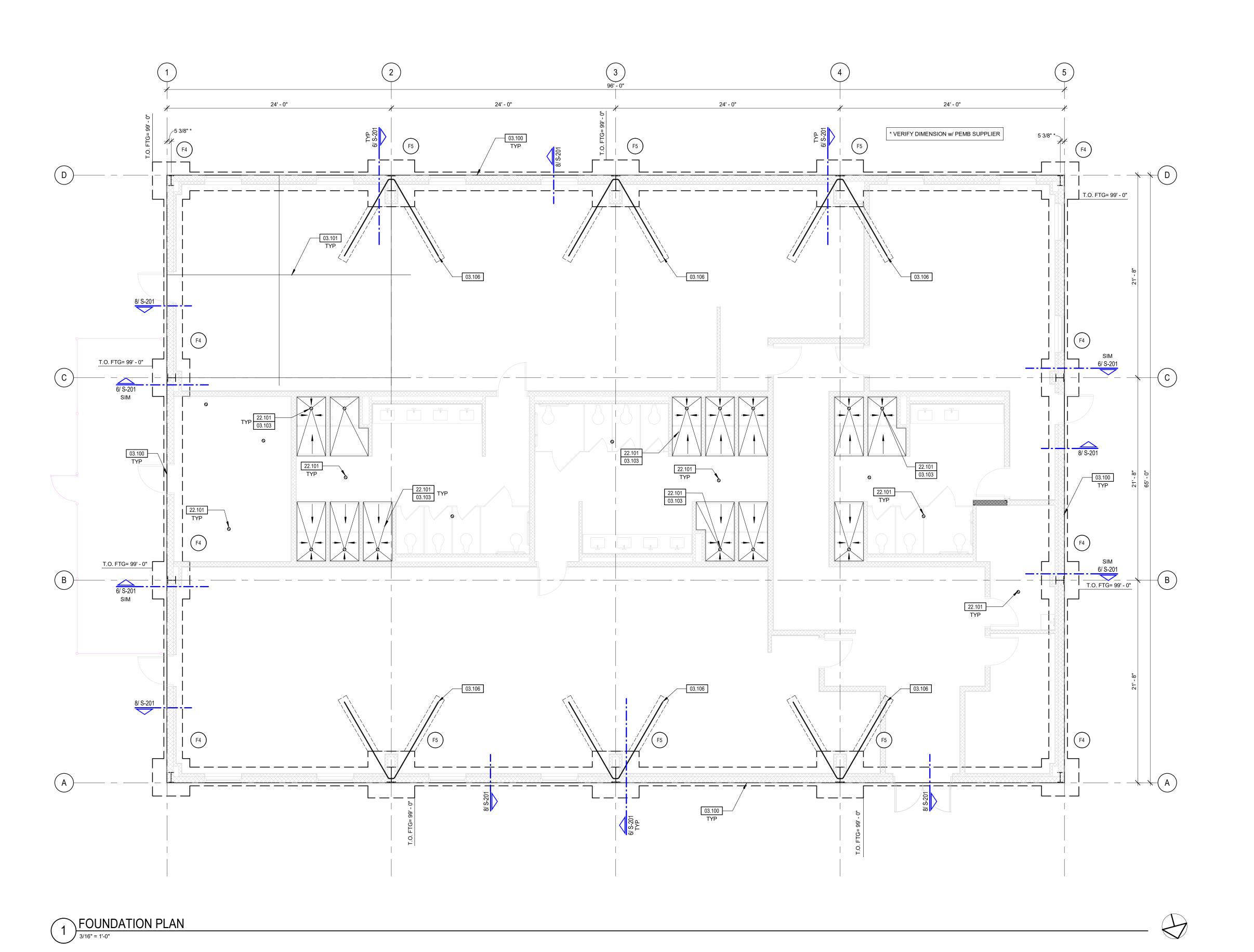
SHEET TITLE:

SPECIAL INSPECTIONS

SHEET NUMBER:



S-002



PLAN NOTES - FOUNDATION

TOP OF SLAB ELEVATION = 100'-0". ALL TOP OF EXTERIOR FOOTING ELEVATIONS SHALL BE 99'-0" U.N.O.

- ALL TOP OF GRADE BEAM ELEVATIONS SHALL BE 99'-0" U.N.O. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PRIOR TO CONSTRUCTION. NOT ALL PENETRATIONS ARE SHOWN ON STRUCTURAL DRAWINGS. COORDINATE
- ALL SLAB AND FOUNDATION PENETRATIONS WITH OTHER DISCIPLINES AND NOTIFY ENGINEER IF ANY CONFLICTS ARE NOTED.

 UTILITIES SHALL PASS ABOVE OR BELOW PERIMETER FOOTINGS PER PIPE PENETRATION DETAIL.

 SEE ARCHITECTURAL DRAWINGS FOR SLAB FINISH REQUIREMENTS.
- SLOPE FLOORS TO FLOOR DRAINS, COORDINATE SLOPE EXTENTS WITH ARCH AND MEP.
- PROVIDE SLAB JOINTS PER CONCRETE SLAB JOINTS DETAIL AND GENERAL FOUNDATION NOTES.
- PROVIDE ADDITIONAL REINFORCING PER TYPICAL SLAB ON GRADE REINFORCING
- PROVIDE SLAB BLOCKOUTS PER ISOLATION JOINT DETAILS AT RECESSED COLUMN LOCATIONS. WHERE ONLY ONE CURTAIN OF REINFORCING IS REQUIRED, BARS SHALL BE
- CENTERED IN WALL.
- 4. PROVIDE CONTINUOUS REINFORCING IN ALL CONCRETE CONSTRUCTION, SEE TYPICAL CORNER BAR REINFORCING DETAIL.

 5. PERIMETER INSULATION SHALL BE AS REQUIRED BY ARCHITECTURAL DRAWINGS.

 6. SEE THE GEOTECHNICAL INVESTIGATION REPORT FOR SITE PREPARATION
- REQUIREMENTS.

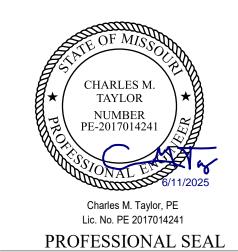
SHALLOW FOOTING SCHEDULE

NOT	NOTE: FOOTINGS ARE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE.										
MARK	FOOTING SIZE	REINFORCING	NOTES								
F4	4'-0"x4'-0"x2'-0"	(5) #5's E.W. T&B									
F5	5'-0"x5'-0"x2'-0"	(6) #5's E.W. T&B									

KEYNOTE LEGEND

DARK LINE INDICATES SLAB EDGE. LINE INDICATES SLAB CONTROL JOINTS. REFER TO CONCRETE SLAB JOINTS DETAIL FOR REQUIREMENTS, SHOWN IN ONE BAY ONLY FOR CLARITY. RECESS & SLOPE SLAB @ SHOWERS AS REQUIRED. SEE ARCH. & MEP PLANS FOR ADDITIONAL INFORMATION.

HAIRPIN PER 7/S-201. SHOWER DRAIN. RECESS 3/4". REFER TO PLUMBING DRAWING FOR EXACT SIZE, DETAILS AND LOCATIONS. SLOPE SLAB IN SHOWER TO DRAIN. STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR





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CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2237-01 6260 ASSET # 8136260012

REVISION: DATE: REVISION: DATE: **REVISION:** DATE:

ISSUE DATE: 06/11/2025

CAD DWG FILE:
DRAWN BY: CAW
CHECKED BY: CMT
DESIGNED BY:

SHEET TITLE:

FOUNDATION PLAN

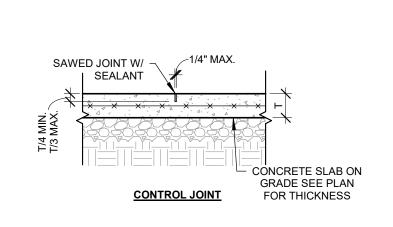
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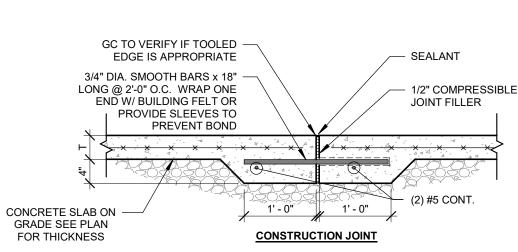
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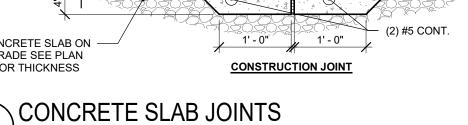
25 OF 33 SHEETS JUNE 11, 2025

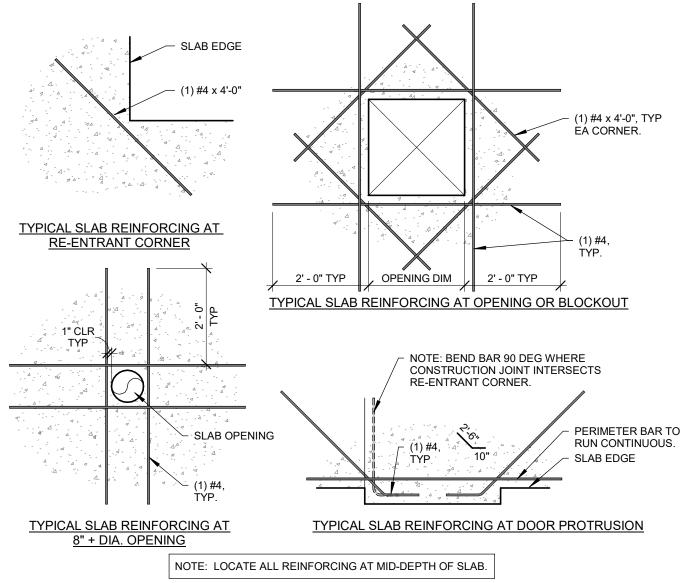
RTM ENGINEERING CONSULTANTS, LLC 3045 S. KANSAS EXPRESSWAY SPRINGFIELD, MO 65807 PHONE: 417.708.9315

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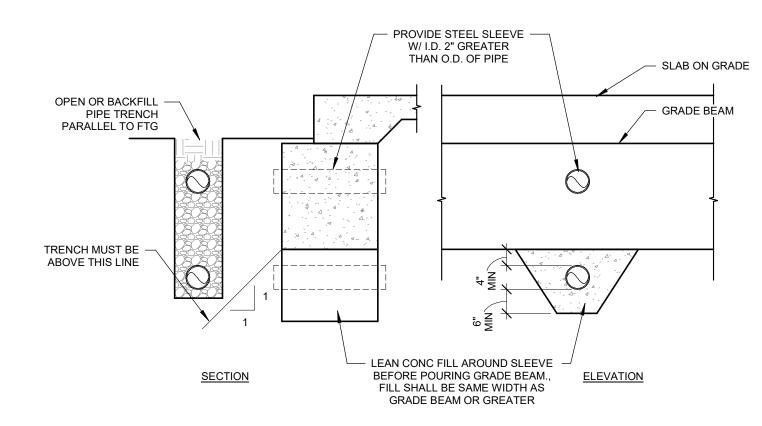




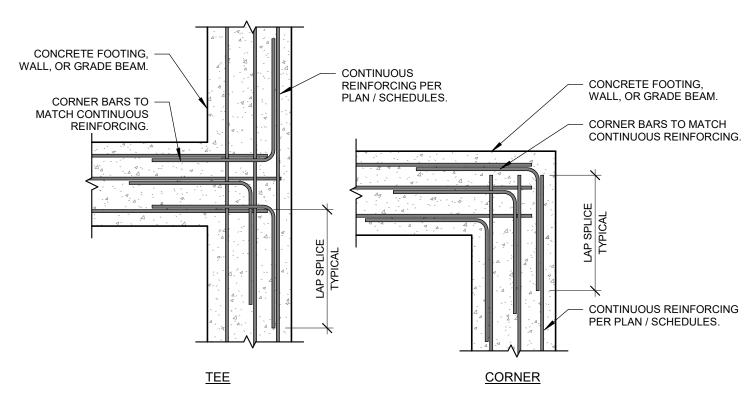




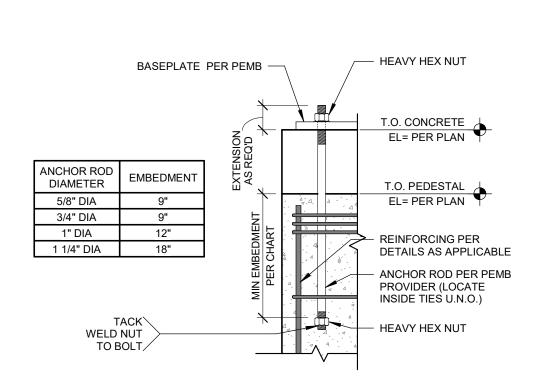
TYPICAL SLAB ON GRADE REINFORCING DETAILS



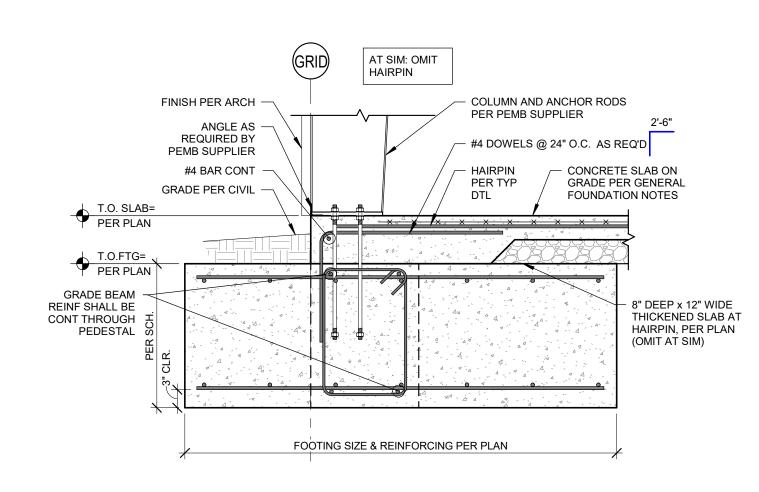
\PIPE PENETRATION DETAIL



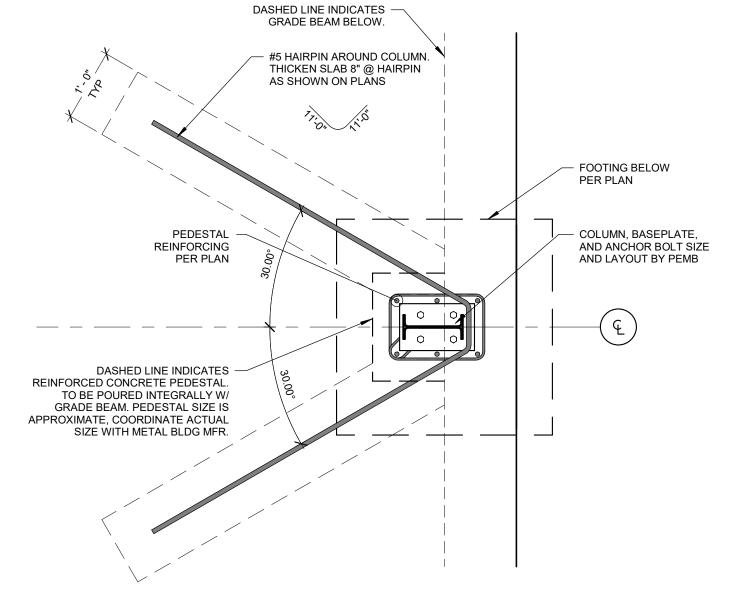
TYPICAL CORNER BAR REINFORCING



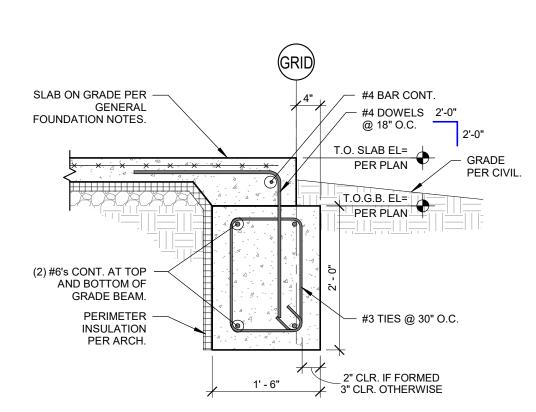




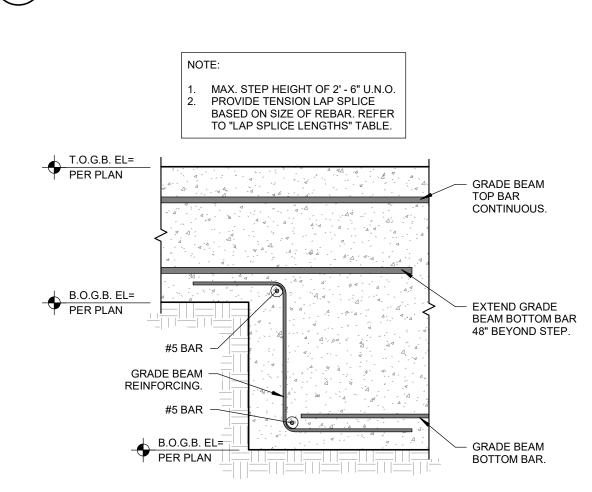
6 FOUNDATION AT METAL BUILDING COLUMN



HAIRPIN DETAIL



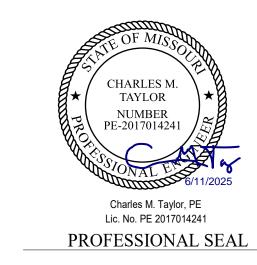
8 TYPICAL 18" GRADE BEAM DETAIL



9 TYPICAL STEP AT BOTTOM OF GRADE BEAM

RTM ENGINEERING CONSOLITAINT 3045 S. KANSAS EXPRESSWAY SPRINGFIELD, MO 65807 PHONE: 417.708.9315 RTM ENGINEERING CONSULTANTS, LLC gineering consultants MO C of A 2014035826

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR



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CONSTRUCT NEW 44 SOLDIER BARRACKS **BUILDING 758**

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2237-01 6260 SITE# ASSET# 8136260012

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	REVISION:
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	DATE:
	ISSUE DATE: 06/11/2025

CAD DWG FILE: DRAWN BY: CAW_ CHECKED BY: CMT_

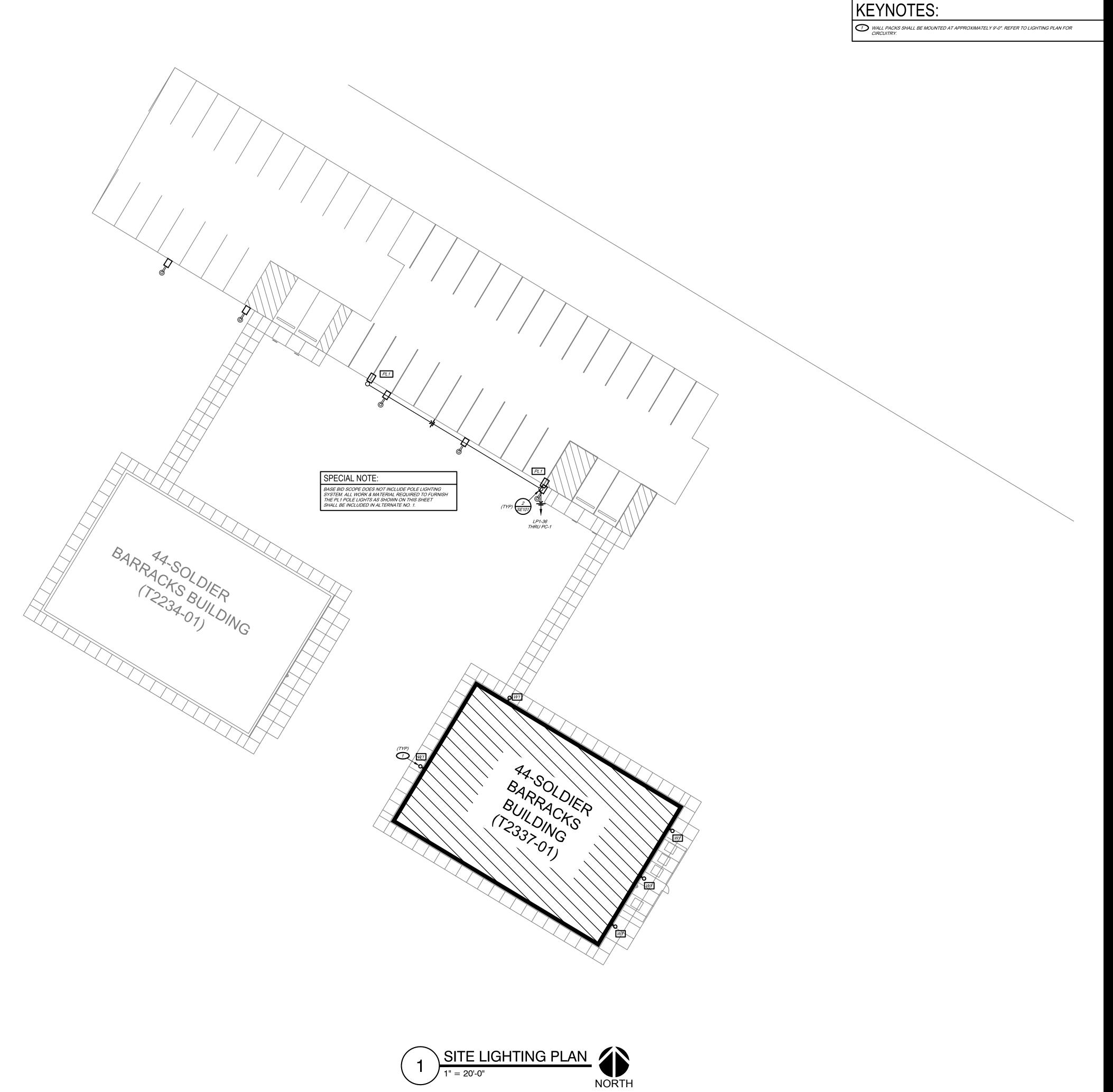
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FOUNDATION **DETAILS**

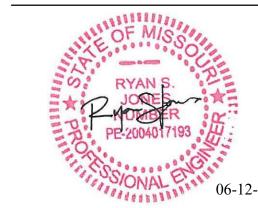
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26 OF 33 SHEETS

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STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR



RYAN S. JONES - ENGINEER PE-2004017193

Missouri State Certificate of Authority #2005026903

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DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUA DEPT. OF ADJUTANT GENER

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 SITE # 6260 ASSET # 8136260012

REVISION:
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ISSUE DATE: 06/12/2025

CAD DWG FILE: T2234-01-6260-83

CAD DWG FILE: T2234-01-6260-813623001
DRAWN BY: TKB
CHECKED BY: RSJ
DESIGNED BY: TKB

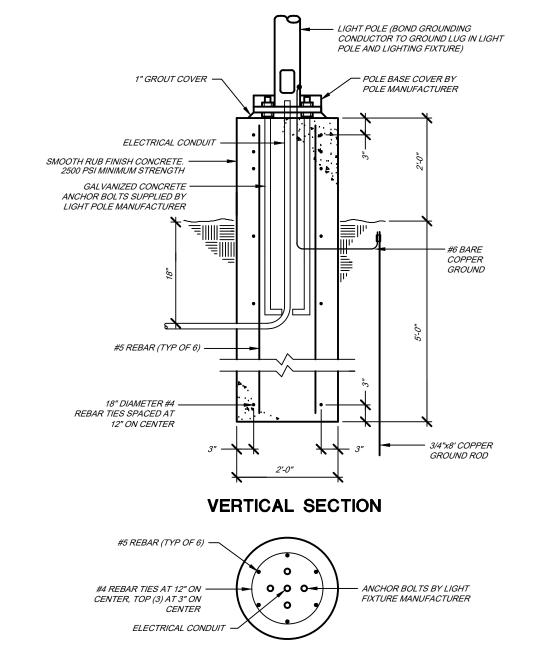
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SITE LIGHTING PLAN

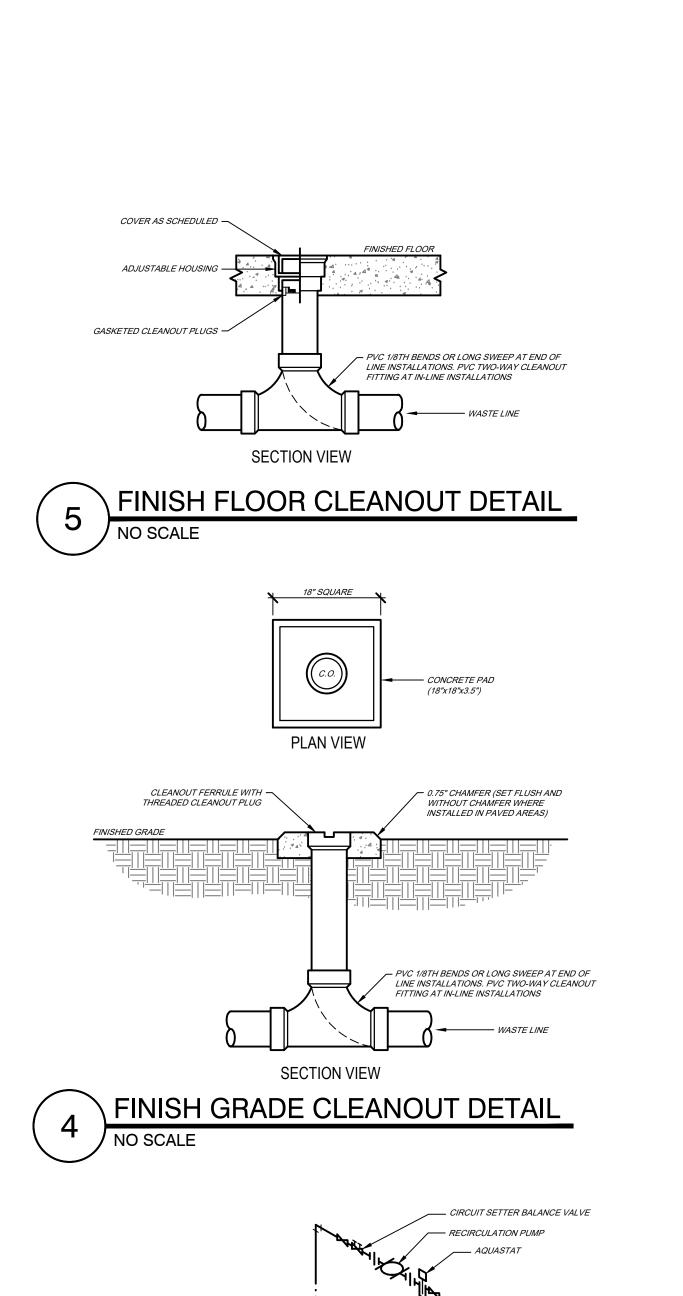
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SE-101

27 OF 33 SHEETS JUNE 12, 2025



LIGHT POLE CONCRETE BASE
NO SCALE



- COMBUSTION AIR INTAKE AND

- PLUG VALVE (TYP)

ROUTE FULL SIZE P&T RELIEF VALVE DRAIN DOWN TIGHT TO

WALL AND TERMINATE ABOVE

FLOOR DRAIN OR MOP BASIN

ASME PRESSURE &

GAS WATER HEATER DETAIL

VENT PIPING PER WATER HEATER MANUFACTURER'S REQUIREMENTS

WATTS NO. N36-M1 VACUUM RELIEF

VALVE OR EQUAL. INSTALL DOWNSTREAM OF SHUT-OFF VALVE

BALL VALVE (TYP) -

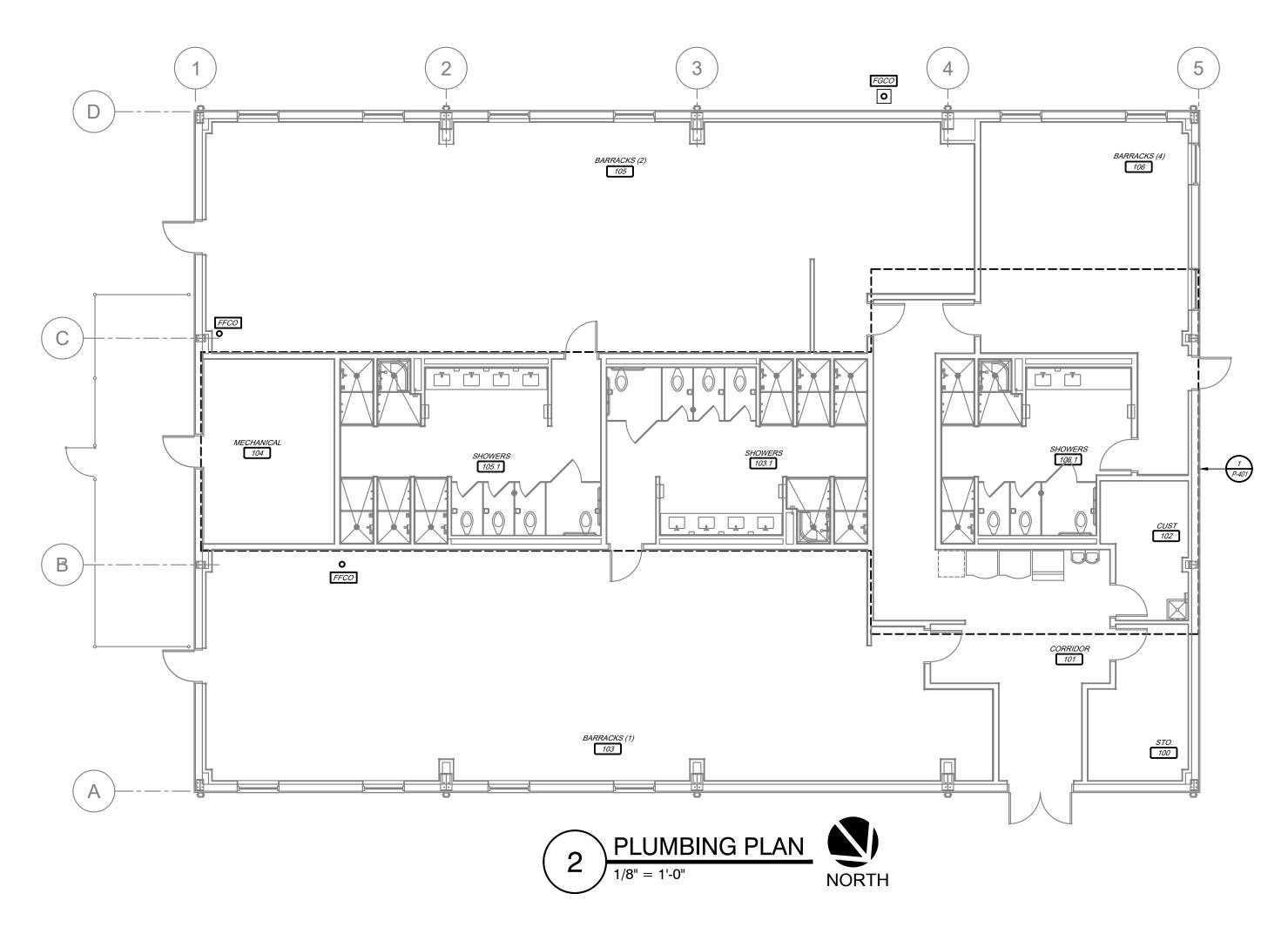
TANK PER WATER

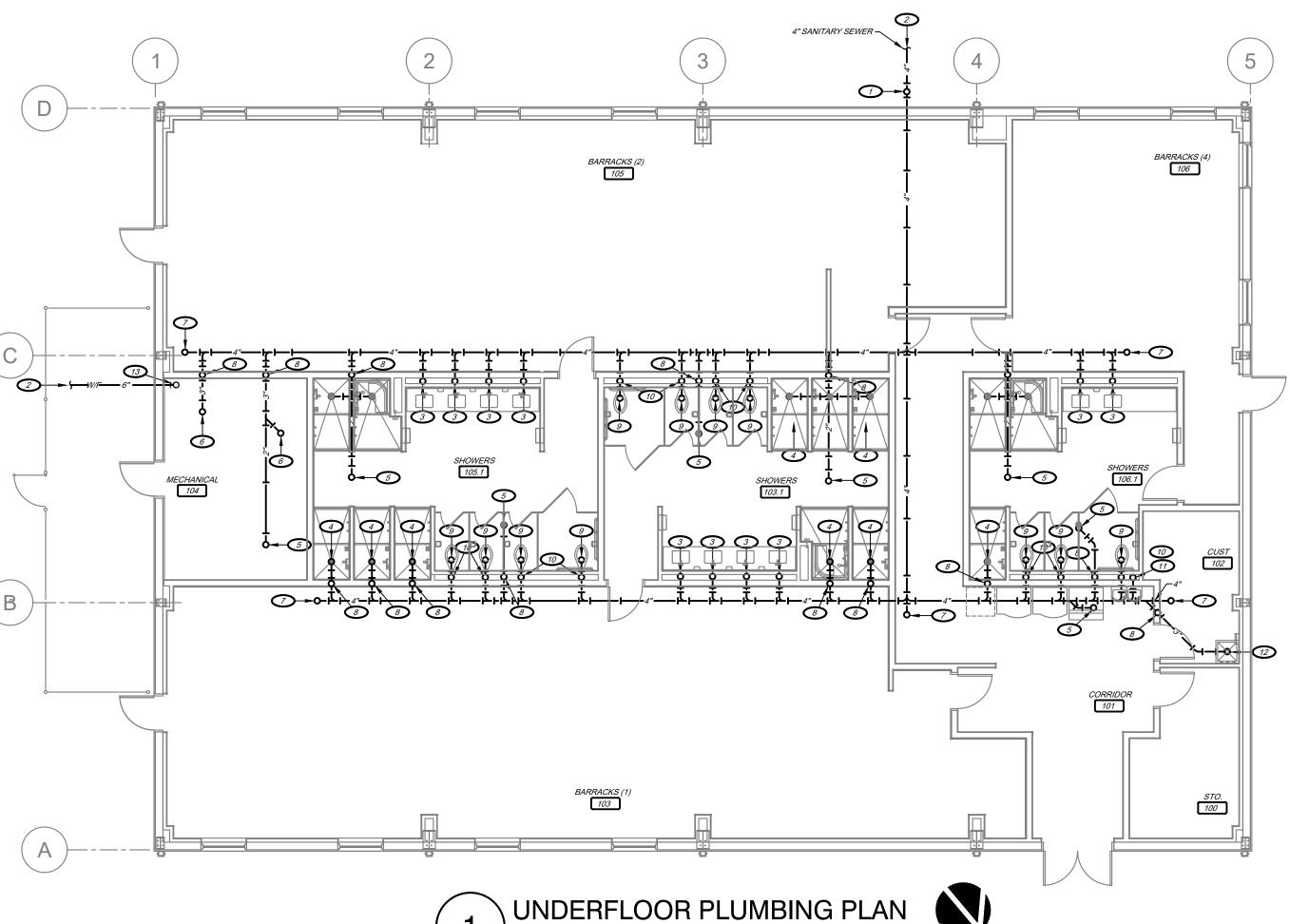
UNION (TYP). PROVIDE ___ DI-ELECTRIC UNIONS AT

WATER HEATER -

HEATER SCHEDULE

CONNECTIONS TO WATER HEATER





NORTH



4" WASTE UP TO FINISH GRADE CLEANOUT.

2 SERVICES SHALL BE INSTALLED 5'-0" OUTSIDE BUILDING, REFER TO CIVIL DRAWINGS FOR

3 2" WASTE UP TO LAVATORY.

4 2" TRAPPED WASTE UP TO SHOWER DRAIN.

5 2" TRAPPED WASTE UP TO FLOOR DRAIN.

6 3" TRAPPED WASTE UP TO FLOOR DRAIN.

7 4" WASTE UP TO FINISHED FLOOR CLEANOUT. 8 1.5" VENT UP.

9 4" WASTE UP TO WATER CLOSET.

10 2" VENT UP.

2" WASTE UP TO DRINKING FOUNTAIN.

3" TRAPPED WASTE UP TO MOP SINK. COMBINATION WATER/FIIRE SERVICE PIPING UP. STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**



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PLUMBING GENERAL NOTES:

REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS

PIPING LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, DUCTWORK, LIGHT FIXTURES, CONDUITS, ETC.

COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.

COORDINATE WITH ALL CONTRACTORS TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. PROVIDE ADAPTER AND FITTINGS FOR ALL EQUIPMENT AS REQUIRED. COORDINATE SPECIFIC REQUIREMENTS WITH

EQUIPMENT SUPPLIER. REFER TO EQUIPMENT TEMPLATES / DRAWINGS FOR ADDITIONAL ALL MATERIALS IN PLENUMS SHALL BE NON COMBUSTIBLE PLENUM RATED.

ROOF CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROOF PENETRATIONS AND FLASHING REQUIREMENTS TO MAINTAIN ROOF WARRANTY. COORDINATE CLOSELY WITH ROOF CONTRACTOR

ALL ROOF REQUIREMENTS. DRAWINGS ARE NOT SET UP SPECIFICALLY ACCORDING TO TRADE AND EACH CONTRACTOR AND SUB-CONTRACTOR OR TRADE IS REQUIRED TO REVIEW THE CONSTRUCTION DOCUMENTS AS A WHOLE AND PROVIDE ANY MISC. ITEMS, MATERIALS, WORK, ETC. REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL DOCUMENTS. THIS REQUIREMENT APPLIES TO ALL TRADES. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE DOCUMENTS AND SHOULD BE REVIEWED WITH THE SPECIFIC

MEP AND STRUCTURAL DRAWINGS FOR OVERALL SCOPE OF WORK. SEAL AROUND ALL FIRE RATED WALLS WITH FIRE STOPPING/CAULKING TO MAINTAIN FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS.

PROVIDE UNISTRUTS AND ACCESSORIES AS REQUIRED FOR SUPPORT OF PIPING, EQUIPMENT,

ALL EXPOSED PIPING, SUPPORTS, ETC. SHALL BE PRIMED AND PAINTED PER THE SPECIFICATIONS.

O FGCO

O FFCO

PLUMBING SYMBOLS: SANITARY WASTE PIPING BELOW SLAB ---- SANITARY COMBINATION WASTE AND VENT PIPING TEE / ELBOW DOWN WITH VALVE IN VERTICAL PIPE FREEZEPROOF WALL HYDRANT / HOSE BIBB PRESSURE REGULATOR **●** FD1 FLOOR DRAIN

FINISH GRADE CLEANOUT

FINISH FLOOR CLEANOUT

FINISH WALL CLEANOUT

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DEPT. OF PUBLIC SAFETY MISSOURI NATIONAL GUA DEPT. OF ADJUTANT GENEF

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01

6260 8136260012 ASSET#

REVISION: DATE: REVISION: DATE: REVISION:

DATE: ISSUE DATE: 06/12/2025

CAD DWG FILE:T2234-01-6260-8136230012 DRAWN BY: CHECKED BY: RS DESIGNED BY: TKB

SHEET TITLE:

PLUMBING PLANS

SHEET NUMBER:

		PIPII	NG MA	TER	IAL SC	HEDL	JLE						
			PIPINO	G			FITTII	NGS	MAXIMUM	WORKING	FIELD	TEST	
SYSTEM	SIZE	TYPE	SCHEDULE	GRADE	ASTM	MATERIAL	MATERIAL	TYPE	PRESSURE (PSI)	TEMP (DEG	PRESSURE (PSI)	TIME (HOURS)	NOTES
CONDENSATE DRAIN ABOVE GRADE	ALL	М	-	-	B88	COPPER	COPPER	DR\SJ	10 FT	40-70	10 FT	1	-
DOMESTIC WATER ABOVE GRADE	0.5"-3"	L	-	-	B88	COPPER	COPPER	SJ	120	40-180	150	1	7
DOMESTIC WATER BELOW GRADE	ALL	К	-	-	B88	COPPER	COPPER	SJ	120	40-180	150	1	-
DOMESTIC WATER SERVICE BELOW GRADE	ALL	PVC	-	-	AWWA C900	PVC	DI	MJ	200	50-90	200	2	6
FIRE PROTECTION	ALL		•	PER	R NFPA 13 AND	FIRE SPRINK	LER DRAWING	s			200	2	2
FIRE SPRINKLER SERVICE BELOW GRADE	ALL			PER	R NFPA 13 AND	FIRE SPRINK	LER DRAWING	s			200	2	-
REFRIGERANT PIPING	ALL	ACR			B280	CP	CP	SJ	150	40-180	200	4	-
SANITARY WASTE BELOW GRADE	ALL	DWV	40	-	2665	PVC	PVC	DR\SW	10 FT	50-180	10 FT	1	1
SANITARY WASTE AND VENT - RETURN AIR PLENUMS	ALL	NH	SS	-	A74	CI	CI	DR \ NH	10 FT	50-180	10 FT	1	3
SANITARY WASTE AND VENT ABOVE GRADE	ALL	DWV	40	-	2665	PVC	PVC	DR\SW	10 FT	50-180	10 FT	1	1,3
TEMPERATURE & PRESSURE RELIEF DRAIN	ALL	М	-	-	B88	COPPER	COPPER	DR \ SJ	10 FT	40-70	10 FT	1	-

THE USE OF CELLULAR CORE PVC WASTE AND VENT PIPING IS STRICTLY PROHIBITED.

- . THE USE OF CPVC AND POLYBUTYLENE PIPING IS STRICTLY PROHIBITED.
- . SANITARY WASTE/VENT AND ROOF DRAIN PIPING LOCATED WITHIN RETURN AIR PLENUMS SHALL BE CAST IRON OR SHALL BE ENCLOSED IN A GYPSUM BOARD SOFFIT. . NATURAL GAS PIPING INSTALLED IN RETURN AIR PLENUMS AND CONCEALED SPACES SHALL HAVE APPROVED FITTINGS ONLY. VALVES, UNIONS, THREADED FITTINGS, ETC. ARE NOT PERMITTED.
- . NATURAL GAS INSTALLED OUTSIDE SHALL BE PAINTED WITH TWO COATS OF UV RESISTANT ENAMEL PAINT. COLOR TO MATCH WALL COLOR ON EXTERIOR WALL AND YELLOW ON THE ROOF.
- VERIFY PAINT COLOR WITH ARCHITECT BEFORE INSTALLATION. PROVIDE PIPING MATERIAL PER LOCAL WATER COMPANY REQUIREMENTS IF DIFFERENT THAN SCHEDULED.
- AT CONTRACTORS OPTION, PEX CROSSLINKED POLYEHTYLENE TUBING MAY BE USED FOR DOMESTIC WATER ABOVE GROUND PIPING. REFER TO SPECIFICATIONS.

APPROVED PIPE & FITTING MANUFACTURERS: CAST IRON - CHARLOTTE, TYLER, CENTRAL FOUNDRY OR PRE-BID APPROVED EQUAL.

OPPER - CERRO, CHASE, MUELLER, REVERE COPPER OR PRE-BID APPROVED EQUAL.

PEX-B - WATTS, VIEGA, OR PRE-BID APPROVED EQUAL. PVC (SOLID) - CHARLOTTE, TYLER, CHEMTROL OR PRE-BID APPROVED EQUAL.

CARBON STEEL - ARMCO, YOUNGSTOWN, UNITED STATES STEEL OR PRE-BID APPROVED EQUAL. GROOVED FITTINGS - VICTAULIC, GRUVLOK OR PRE-BID APPROVED EQUAL.

ABBREVIATIONS:

- BS BELL AND SPIGOT CI - CAST IRON
- CS CARBON STEEL
- CW CONTINUOUS WELD DI - DUCTILE IRON
- DR DRAINAGE FITTING FRP - FIBERGLASS REINFORCED
- DRAINAGE WASTE AND VENT HDPE - HIGH DENSITY POLYETHYLENE - MECHANICAL JOINT
- NEOPRENE GASKET PI-FRP - PRE-INSULATED FIBERGLASS REINFORCED PLASTIC RPF-HDPE - RIGID POLYURETHANE INSULATION WITH HDPE JACKET

- PEX CROSSLINKED POLYETHYLENE TUBING - NO-HUB

- 95-5 TIN-ANTIMONY SOLDER JOINT - STANDARD STRENGTH / SERVICE WEIGHT
- SOLVENT WELD TEAH - THERMOSETING EPOXY ADHESIVE WITH HEAT

	WATER SOFTENER SCHEDULE										
MARK	BASIS OF DESIGN MANUFACTURER	MODEL NO.	NORMAL FLOW RATE (GPM) @ 15PSI LOSS	MAX. FLOW RATE (GPM) @ 25 PSI LOSS		RESIN VOLUME (CU. FT.)	BACKWASH VOLUME (NOM. GALLONS)	DAILY WATER USAGE (GALLONS)	BRINE TANK SALT CAPACITY (LBS.)	VOLTAGE/ PHASE	ACCESSORIES
WS1	CULLIGAN	CTM-300-DF	70	95	15	10	541	2,500	1,800	120/1	1,2
	EQUIVALENT MANUFACTURER'S										

1. BASIS OF DESIGN CULLIGAN CONTACT INFORMATION; MARCUS MONTEZ, (417) 434-4091, mmontez@hallswater.com

P. INCLUDE PROGRAMMABLE SYSTEM CONTROLLER WITH DIGITAL KEYPAD WITH BATTERY BACKUP.

1.	EASY WATER
2.	FLECK
3.	ROBERT B HILL

	WATER HEATER SCHEDULE														
MARK	BASIS OF DESIGN MANUFACTURER	MODEL#	TYPE	GALLON CAPACITY	RECOVERY GPH @ 80F RISE	INPUT BTUH	OUTPUT BTUH	%AFUE	KW	VOLTAGE/ PHASE	ACCESSORIES				
WH1	AO SMITH	DRE-120	ELEC	119	123	-	-	-	24	240/1	1,2,3				

THERMAL EXPANSION TANK EQUIVALENT TO AMTROL MODEL ST-12. 2. DRAIN VALVE WITH THREADED HOSE CONNECTION. 3. ASME PRESSURE & TEMPERATURE RELIEF VALVE.

EQUIVALENT 1. BRADFORI 2 LOCHINVA 3. STATE

W	VOLTAGE/ PHASE	ACCESSORIES	'		
4	240/1	1,2,3			
?D-I	ANUFACTUR WHITE	ER'S		MARK	
٩R				HWP1	
				GENERA	

:RAL NOTES: OVIDE TIME CLOCK AND AQUASTAT I PROVIDE BALANCE, CHECK AND SERVICE VALVES AT ALL BRANCH PIPING FROM MAIN HOT WATER RECIRCULATION PIPE. ABBREVIATIONS: - NET POSITIVE SUCTION HEAD

SERVICE

AB - ALL BRONZE AS - AQUASTAT KIT

2. TACO

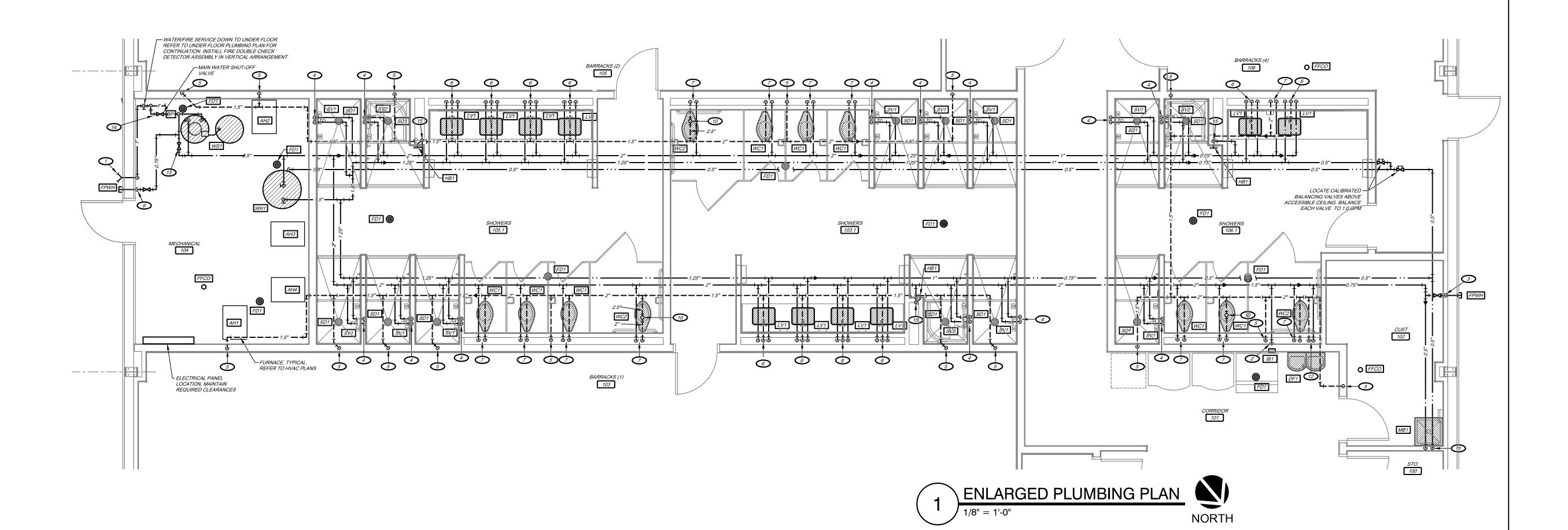
3. WATTS

			PLUMB	ING FIXTURE & EQUIPMENT SCH	HEDU	LE				
					PI	PING CONNI	ECTION SIZ	ES		
ARK	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	MODEL NUMBER	ACCESSORIES	COLD WATER	HOT WATER	WASTE	VENT	NOTES	EQUIVALENT MANUFACTURERS
-P1	BACKFLOW PREVENTER	WATTS	957	STAINLESS STEEL HOUSING, TWO IN LINE INDEPENDENT CHECK VALVES, REPLACEABLE CHECK SEATS WITH AN INTERMEDIATE RELIEF VALVE, AND BALL VALVE TEST COCKS, NON-RISING RESILIENT SEATED GATE VALVES, AIR GAP DRAIN FITTING	2"	-	-	-	-	FEBCO, ZURN
F1	BI-LEVEL ELECTRIC WATER COOLER WITH BOTTLE FILLER	ELKAY	EMABFTL8WSSK	ZURN Z1225-BL CARRIER, 1.25" TRAP, SUPPLY AND STOP VALVE, MATCHING ACCESSORY CANE APRON FOR ADA PROTECTION.	0.5"	-	2"	1.5"	1,2,3,4,7	HAWS, OASIS
D1	LIGHT DUTY FLOOR DRAIN	ZURN	FD2210	NICKEL BRONZE GRATE, PROSET TRAPGUARD	=	-	SEE PLAN	SEE PLAN	1	JOSAM, SIOUX CHIEF, SMITH, WATTS
со	FINISH FLOOR CLEANOUT	ZURN	ZN1400	NICKEL BRONZE TOP	-	-	SEE PLAN	-	1	JOSAM, SIOUX CHIEF, SMITH, WATTS
со	FINISH GRADE CLEANOUT	ZURN	ZN1400-HD	HEAVY DUTY TOP	-	-	SEE PLAN	-	1	JOSAM, SIOUX CHIEF, SMITH, WATTS
/CO	FINISH WALL CLEANOUT	ZURN	Z1446	STAINLESS STEEL COVER	-	-	SEE PLAN	-	1	JOSAM, SIOUX CHIEF, SMITH, WATTS
WH	FREEZEPROOF WALL HYDRANT	ZURN	Z1320	1/4 TURN, NON-FREEZE WALL HYDRANT W/INTEGRAL VACUUM BREAKER LOOSE KEY	0.75"	-	-	-	1	SMITH. WATTS, WOODFORD
B1	HOSE BIBB	ZURN	Z1341XL-PC	PLOISHED CHROME WALL HOSE BIBB W/VACUUM BREAKER	0.5"	-	-	-	1	WATTS, WOODFORD, PRIER
B1	ICE MAKER BOX	GUY GRAY	MIB1HAAB	QUARTER TURN VALVE, WATTS 7C DUAL CHECK BACKFLOW PREVENTER, HAMMER ARRESTER, FLEXIBLE SUPPLY	0.5"	-	-	-	-	LSP, OATEY
V1	LAVATORY, INTERGRAL BOWL REFER TO ARCHITECTURAL DRAWINGS	-	-	AMERICAN STANDARD #7385.004 SINGLE CONTROL FAUCET WITH 0.5 GPM VADAL-RESISTANT AERATOR, WATTS USG-B MIXING VALVE (SET AT 120F), GRID STRAINER, 1.25" TAILPIECE AND TRAP, SUPPLIES AND STOP VALVES.	0.5"	0.5"	2"	1.5"	1,2,3,4,5	ZURN, DELTA
IB1	MOP BASIN	FIAT	MSB-2424	830-AA FAUCET WITH INTEGRAL MIXER, WATTS USG-B MIXING VALVE (SET AT 120F), 838-AA HOSE AND BRACKET, 889-CC MOP HANGER, MSG2424 WALL GUARD	0.5"	0.5"	3"	1.5"	1	STERN WILLIAMS, ZURN, PROFLO
SA	SHOCK ABSORBER	ZURN	Z1700	-	SEE PLAN	SEE PLAN	1	-	6	SIOUX CHIEF, SMITH, WATTS
D1	SHOWER DRAIN	ZURN	ZS415-BZ1	SHOWER DRAIN WITH STAINLESS STEEL TOP	-	-	2"	1.5"	-	JOSAM, SIOUX CHIEF, SMITH, WATTS
V1	SHOWER VALVE	SYMMONS	S-9601-P	SHOWER TRIM WITH TEMPTROL PRESSURE BALANCE SHOWER VALVE	0.5"	0.5"	-	-		AMERICAN STANDARD, DELTA
V2	ADA SHOWER VALVE	SYMMONS	9605-PLR	ADA SHOWER TRIM WITH TEMPTROL PRESSURE BALANCE SHOWER VALVE WITH ADA 36" GRAB BAR AND HAND SHOWER, DIVERTOR VALVE	0.5"	0.5"	-	-		AMERICAN STANDARD, DELTA
/C1	FLOOR MOUNT FLUSH VALVE WATER CLOSET	ZURN	Z5655-BWL	Z5955SS-EL ELONGATED, STANDARD WHITE OPEN FRONT SEAT, SUPPLY & STOP VALVE, ZURN ZER6000-HET AQUA VANTAGE FLUSH VALVE	1.25"	-	4"	2"	6	TOTO, AMERICAN STANDARD
C2	ADA FLOOR MOUNT FLUSH VALVE WATER CLOSET	ZURN	Z5665-BWL1	Z5955SS-EL ELONGATED, STANDARD WHITE OPEN FRONT SEAT, SUPPLY & STOP VALVE, ZURN ZER6000-HET AQUA VANTAGE FLUSH VALVE	1.25"	-	4"	2"	3,6	TOTO, AMERICAN STANDARD

ACCESSORIES SHALL BE SAME MANUFACTURER AS FIXTURE / EQUIPMENT UNLESS NOTED OTHERWISE.

- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. R. INSTALL ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR ADA COMPLIANCE.
- ALL COLORS AND FINISHES SELECTED BY ARCHITECT. TRUEBRO ADA LAV SHIELD ON SUPPLIES, WASTE, AND MIXING VALVES.
- PROVIDE SHOCK ABSORBER FOR ALL INDIVIDUAL FIXTURES OR BATTERIES. SIZE UNITS SERVING FIXTURE BATTERIES PER MANUFACTURERS RECOMMENDATIONS. PROVIDE RECTANGULAR STEEL TUBE CARRIER AT FRAMED WALLS, WALL HANGER AT CMU WALLS.
- FRAME TO EXTEND CONTINUOUS UNDER SHOWER SEPARATING WALLS WITH GRATES SEPARATED BETWEEN SHOWER WALLS. REFER TO PLUMBING PLAN. COORDINATE EXACT DIMENSIONS WITH ARCHITECTURAL PLANS. REFER TO UNDERFLOOR PLUMBING PLAN FOR APPROXIMATE LOCATIONS OF DRAIN OUTLET IN FRAME.

BASIS OF DESIGN MANUFACTURER	SERIES	SIZE	INLET	DISCH.	GPM	HEAD (FT.)	NPSH	TYPE	WORKING CLASS	H.P. (W)	RPM	VOLTAGE/ PHASE	CONST.	FLUID TYPE	FLUID TEMP.	NOTES/ ACCESSORIES
BELL & GOSSETT	NRF	22	0.75"	0.75"	2	6		IL	150	92W	2940	120/1	AB	WATER	100-140	1,2



KEYNOTES:

- PROPOSED LOCATION FOR FIRE DEPARTMENT CONNECTION, VERIFY LOCATION WITH LOCAL FIRE DEPARTMENT AUTHORITIES. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES. 2 0.5" COLD WATER DOWN IN WALL TO ICE MAKER SUPPLY BOX.
- 3 0.75" COLD WATER DOWN IN WALL, AT APPROXIMATELY 18" ABOVE FLOOR ROUTE THRU EXTERIOR WALL TO WALL HYDRANT.
- 4 0.5" COLD AND HOT WATER DOWN IN SHOWER VALVE ENCLOSURE TO MIXING VALVE. 5 1.5" VENT DOWN TO UNDER FLOOR.
- 6 1.5" VENT, 0.5" COLD AND HOT WATER DOWN TO LAVATORY. 2" WASTE DOWN TO UNDER
- FLOOR, COORDINATE ROUTING OF WASTE PIPE THROUGH THICKENED SLAB UNDER WALL 7 2" VENT AND 1.25" COLD WATER DOWN TO WATER CLOSET.
- 8 1.5" VENT, 0.75" COLD AND HOT WATER DOWN IN WALL. 2" WASTE DOWN TO UNDER FLOOR. PROVIDE TEE IN WALL ON WATER PIPING WITH 0.5" COLD AND HOT WATER TO BACK TO BACK LAVATORIES. PROVIDE DOUBLE WYE FITTING IN WASTE PIPING FOR BACK TO BACK
- 9 0.75" COLD WATER DOWN SECURED TO WALL, AT APPROXIMATELY 18" ABOVE FLOOR ROUTE
- 10 2.5" VENT UP, 3" VENT THRU ROOF.
- 0.5" COLD AND HOT WATER DOWN TO MOP BASIN.
- 1.5" VENT AND 0.5" COLD WATER DOWN TO DRINKING FOUNTAIN. 13 2.5" NORMALLY CLOSED BALL VALVE FOR WATER SOFTENER BYPASS.
- CONFIGURE WATER SERVICE PIPING TO MAINTAIN SPACE FOR INSTALLATION OF A POSSIBLE FUTURE WATER METER DOWNSTREAM OF THE WATER TAKEOFF FROM THE COMBINED
- 0.75" COLD WATER DOWN AND HORIZONTALLY THRU WALL TO HOSE BIBB. LOCATE HOSE BIBB AT APPROXIMATELY 18" ABOVE FINISHED FLOOR.

FIRE SPRINKLER GENERAL NOTES:

- REFER TO SPECIFICATIONS DIVISION 21 FOR ADDITIONAL REQUIREMENTS PROVIDE DESIGN, MATERIALS, EQUIPMENT, FABRICATION, INSTALLATION, ETC. FOR A WET PIPE FIRE SPRINKLER SYSTEM THROUGHOUT THE ENTIRE BUILDING. ALL PORTIONS OF THE FIRE SPRINKLER SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR/ENGINEER. ANY PIPING SHOWN AT BUILDINGS OR ON SITE IS FOR REFERENCE
- THE FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF NFPA 13, STATE AND LOCAL CODES AS ADOPTED BY THE COUNTY OF NEWTON, MISSOURI. ALL FIRE SPRINKLER SYSTEM MATERIALS SHALL BE U.L. LISTED. FIRE SPRINKLER SYSTEM CONTRACTOR SHALL ENGINEER AND INSTALL THE FIRE SPRINKLER SYSTEM AS REQUIRED TO PROVIDE PROPER COVERAGE FOR THE AREA OF WORK.
- SECURE ALL FEES, PERMITS, ETC. NECESSARY IN CONJUNCTION WITH THIS WORK.
- THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING HIS OWN FLOW READINGS FOR PURPOSES OF DESIGN.
- SPRINKLER HEADS LOCATED IN GYPSUM AND LAY-IN CEILING AREAS SHALL BE CONCEALED RECESSED HEADS WITH COVERPLATES IN COLOR AS SELECTED BY ARCHITECT. HEADS IN AREAS WITH EXPOSED STRUCTURE SHALL BE BRASS, UPRIGHT HEADS.
- CONTRACTOR SHALL SUBMIT AN ELECTRONIC SET OF SCALED LAYOUT DRAWINGS, CALCULATIONS, AND CUT SHEETS TO ARCHITECT/ENGINEER FOR COORDINATION AND APPROVAL. LAYOUT DRAWINGS SHALL INCLUDE SPRINKLER HEAD AND PIPING LOCATIONS, SERVICE DETAILS, ETC. SUBMIT REQUIRED MATERIALS TO AGENCY HAVING JURISDICTION FOR APPROVAL AND PERMIT. FIRE SPRINKLER WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH AT
- LEAST 3 YEARS OF INSTALLATION EXPERIENCE ON PROJECTS WITH FIRE PROTECTION WORK SIMILAR TO THAT REQUIRED FOR THE PROJECT. THE FIRE SPRINKLER SYSTEM SHALL BE ENGINEERED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI, AND THE DESIGN DRAWINGS AND CALCULATIONS SHALL BEAR HIS/HER MISSOURI
- PROVIDE FIRE DEPARTMENT CONNECTIONS IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT
- CENTER SPRINKLER HEADS IN CEILING TILES AND BETWEEN LIGHTING FIXTURES AS APPLICABLE. HEAD PLACEMENT SHALL BE SUBJECT TO ARCHITECTURAL APPROVAL BASED

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**



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Missouri State Certificate of Authority #2005026903 Missouri State Certificate of Authority #2003020903

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

DEPT. OF PUBLIC SAFET MISSOURI NATIONAL GUA DEPT. OF ADJUTANT GENER

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260

ASSET # 8136260012

REVISION: DATE: REVISION: DATE: **REVISION:**

ISSUE DATE: 06/12/2025

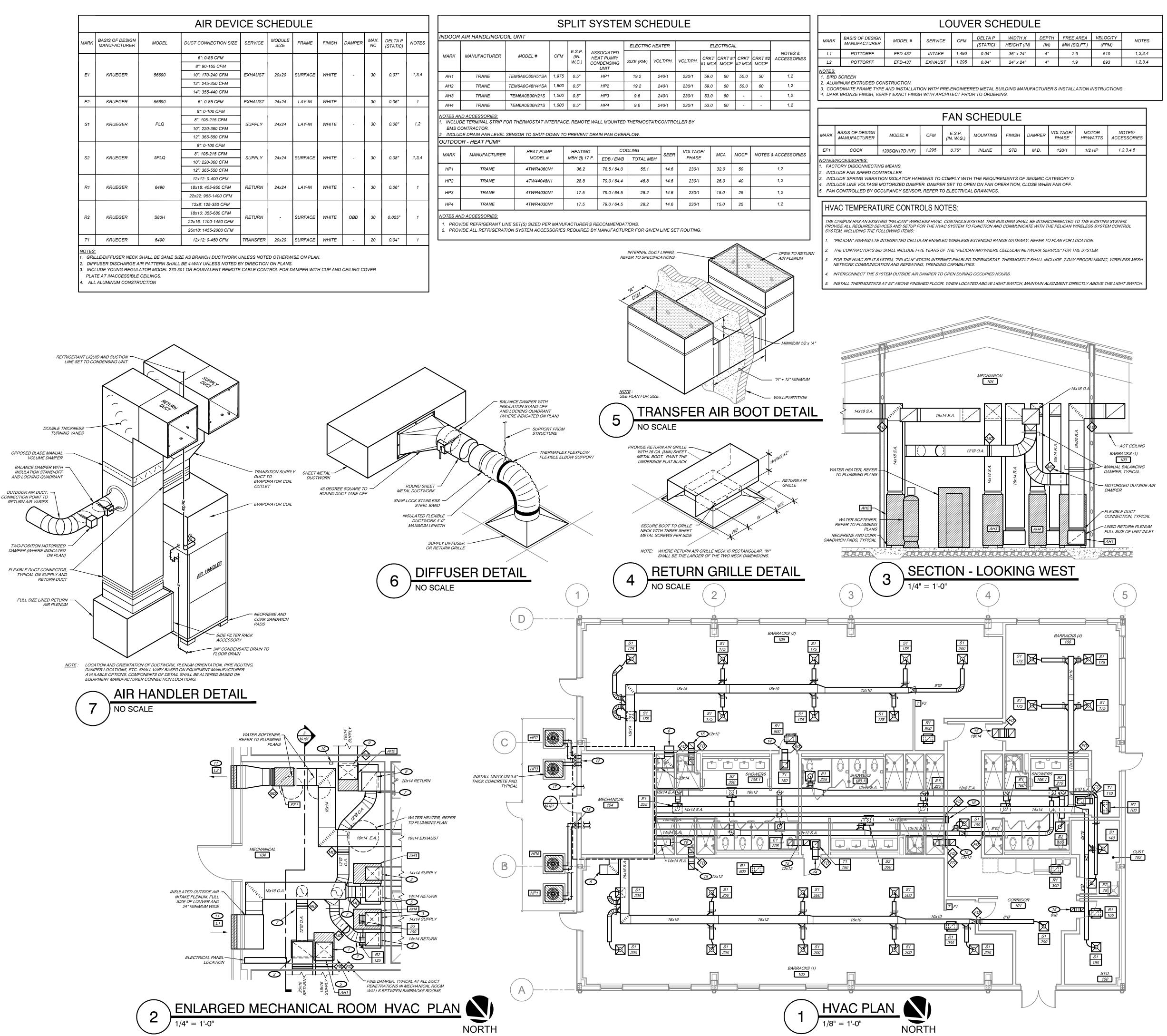
CAD DWG FILE: T2234-01-6260-813623001
DRAWN BY: TKB
CHECKED BY: RSJ

SHEET TITLE:

DESIGNED BY: TKB

ENLARGED PLUMBING PLAN & **SCHEDULES**

SHEET NUMBER:



KEYNOTES:

- 18x16 SUPPLY DUCT DOWN AND TRANSITION TO AIR HANDLER SUPPLY AIR CONNECTION. 2) 20x16 RETURN DUCT DOWN TO RETURN PLENUM OF AIR HANDLER, REFER TO AIR HANDLER
- 3 14x14 SUPPLY DUCT DOWN AND TRANSITION TO AIR HANDLER SUPPLY AIR CONNECTION. 14x14 RETURN DUCT DOWN TO RETURN PLENUM OF AIR HANDLER, REFER TO AIR HANDLER
- 16x14 RETURN DUCT DOWN TO RETURN PLENUM OF AIR HANDLER, REFER TO AIR HANDLER
- 6 20x16 RETURN DUCT OPEN ENDED TO CEILING SPACE.
- 12"Ø OUTSIDE AIR DUCT WITH 2-POSITION MOTORIZED DAMPER AND MANUAL BALANCING DAMPER, ROUTE TO RETURN DUCT ON AIR HANDLER. BALANCE TO OUTSIDE AIR CFM AS NOTED IN AIR HANDLER SCHEDULE.
- 8 20x14 RETURN DUCT DOWN TO RETURN PLENUM OF AIR HANDLER, REFER TO AIR HANDLER 9 18x14 SUPPLY DUCT DOWN AND TRANSITION TO AIR HANDLER SUPPLY AIR CONNECTION.
- 10 HVAC CONTROL SYSTEM WIRELESS EXTENDED RANGE GATEWAY, SECURE TO WALL APPROXIMATELY 48" ABOVE FLOOR. REFER TO ELECTRICAL DRAWINGS FOR RECEPTACLE
- 71 REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF LOUVER IN WALL.
- 12 ROUTE REFRIGERANT LINES TO ASSOCIATED EVAPORATOR COIL. SEAL WALL PENETRATION
- 73 ROUTE REFRIGERANT LINES TO ASSOCIATED EVAPORATOR COIL. SEAL WALL PENETRATION PHONE BOARD ON INSIDE SURFACE OF EXTERIOR WALL, REFER TO ELECTRICAL PLANS.
- 12x8 INTERNALLY LINED TRANSFER DUCT OPEN ENDED TO CEILING SPACE.
- 15 INTERNALLY LINED DOUBLE ELBOW TRANSFER DUCT ABOVE CEILING. REFER TO PLAN FOR
- 16) 14x14 RETURN DUCT OPEN ENDED TO CEILING SPACE. (17) COORDINATE LOCATION OF CONDENSING UNITS TO MAINTAIN REQUIRED CLEARANCES OF FIRE SPRINKLER SYSTEM SIAMESE CONNECTION, REFER TO PLUMBING DRAWINGS.

GENERAL HVAC NOTES:

- THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL
- DRAWINGS FOR DIMENSIONS. EQUIPMENT AND DUCTWORK LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT
- LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, CONDUITS, 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.
- CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER FOR SIZE AND
- LOCATION OF SLEEVES THROUGH EXISTING STRUCTURAL WALLS. MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK,
- PROVIDE UNISTRUTS AND ACCESSORIES AS REQUIRED FOR SUPPORT OF DUCTWORK,
- SEAL AROUND ALL RATED WALL PENETRATIONS WITH FIRE STOPPING/CAULKING PER

ETC. ABOVE ELECTRICAL PANELS.

- ALL EXPOSED DUCTWORK, PIPING, SUPPORTS, ETC. SHALL BE PRIMED AND PAINTED PER THE
- BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
- COORDINATE CEILING DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED
- REFER TO EQUIPMENT SCHEDULES FOR OUTSIDE AIR QUANTITIES TO INDIVIDUAL HVAC UNITS.
- ALL THERMOSTATS, SENSORS, DAMPER CONTROLS, ASSOCIATED ACCESSORIES, AND FINAL
- WIRING CONNECTIONS SHALL BE PROVIDED BY HVAC CONTRACTOR. ROUGH-IN AND WIRE INSTALLATION SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. LIVAO DUOTVAODIA

HVAC DU	JCTWORK:	DED
→	FLEXIBLE DUCT	DEP MISS
12x12	RECTANGULAR DUCT DIMENSIONS (WIDTH x HEIGHT)	DEP'
	VOLUME DAMPER WITH LOCKING QUADRANT	-
	BRANCH DUCT WITH 45° BOOT FITTING	CON 44 Se
	BRANCH DUCT WITH BELLMOUTH SPIN-IN FITTING WITH MANUAL VOLUME DAMPER	BUII
	BRANCH DUCT WITH HIGH EFFICIENCY RECTANGULAR TO ROUND TAKE-OFF WITH MANUAL VOLUME DAMPER	CAN TRA

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 EQUIPMENT: SUPPLY DIFFUSER RETURN, EXHAUST GRILLE LINEAR DIFFUSER DIFFUSER/GRILLE TYPE, AIRFLOW

> SMOKE DAMPER FIRE/SMOKE DAMPER

HVAC CONTROLS:

THERMOSTAT AND EQUIPMENT SERVED SPACE CO2 SENSOR

HUMIDITY SENSOR

<u>NOTE</u>: INSTALL THERMOSTATS AND SENSORS AT 48" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE

NOTATION:

- EXHAUST AIR **OUTSIDE AIR** O.A.
- RETURN AIR

S.A.

SUPPLY AIR

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**



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

T. OF PUBLIC SAFETY SSOURI NATIONAL GUA PT. OF ADJUTANT GENEI

NSTRUCT NEW SOLDIER BARRACKS LDING 758

MP CROWDER AINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260 ASSET# 8136260012

REVISION: DATE: **REVISION:** DATE: **REVISION:**

ISSUE DATE: 06/12/2025 CAD DWG FILE: T2234-01-6260-813623001

DRAWN BY: CHECKED BY: RS DESIGNED BY: TKB

SHEET TITLE:

HVAC PLAN, SCHEDULES & DETAILS

SHEET NUMBER:

PHOTOCELL SCHEDULE													
	LOA	D					SW	ITCH					
MARK	EQUIPMENT SERVED	VOLTAGE	BASIS OF	DESIGN	AMP	POLE	ENCLOSURE	APPROVED	ACCESS.				
	EQUIPMENT SERVED	WATTS	VOLTAGE	MFR	MODEL#	AMP	POLE	ENCLUSURE	MANUFACTURERS	ACCESS.			
PC1	LIGHTING	-	-	INTERMATIC	K4121C	15	1	NEMA 3R	TORK, KICHLER	1,2			
	CESSORIES: SWIVEL MOUNTING												

		OC	CUPANC	Y SENS	OR SC	CHE	DULE			
MAR	LOAD					SENSC	PR			
IVIAN	EQUIPMENT SERVED	VOLTAGE	MANUF	MODEL #	VOLTAGE	TYPE	TIME DELAY	MOUNTING	INTERLOCK	1
OS.	1 RESTROOM LIGHTING	120	HUBBELL	OMNIDT500	24V DC	IR/US	AUTO	CEILING	-	Ī
OS.	1 CORRIDOR LIGHTING	120	HUBBELL	OMNIDT2000	24V DC	IR/US	AUTO	CEILING	-	T
1. F 2. 3. V	S/ACCESSORIES: PROVIDE CONTROL UNIT(S) AS REQUIRED. WHERE SWITCHINGS IS SHOWN, V WIRE IN SERIES WITH MULTIPLE SENSORS VALL SWITCH SHALL BE CAPABLE OF MAN	WIRE OCCUPAN WHERE REQU	IRED.	N SERIES WITH LOCAL	LIGHT SWITCHIN	G.		ABBREVIATIONS PIR - PASSIVE IN US - ULTRASONI IR/US - DUAL TEC	- IFRARED C	
1. E 2. E 3. V	RAL NOTES (APPLIES TO ALL SENSORS): FACH SENSOR TYPE MAY BE SHOWN IN MI EQUIPMENT SUBMITTAL: PRIOR TO APPRO SUBMIT PLAN (PROVIDED BY MANUFACTUI TYPE, MOUNTING HEIGHT, AND SENSOR C WHERE SWITCHING IS SHOWN, WIRE OCCL PROVIDE CONTROL UNIT(S)/POWER PACK(VAL, WITH OCC RER'S REPRESI OVERAGE FOR UPANCY SENSO	CUPANCY SENSOR SPEC ENTATIVE) WITH OCCUP PEACH SPACE. OR CONTROL IN SERIES	IFICATION INFORMATION ANCY SENSOR LOCATION	ONS, OCCUPANC			APPROVED MAN GREENGATE/NO WATTSTOPPER HUBBELL LEVITON		
5. F	FINISH/COLOR SHALL MATCH ALL OTHER D	DEVICES.								

GENERAL NOTES (APPLY TO ALL LIGHT FIXTURES):

1. SUBMIT ALL REQUESTS FOR EQUIVALENCY TO ARCHITECT/ENGINEER A MINIMUM OF (10) WORKING DAYS PRIOR TO BID DATE. REQUESTS ARE SUBJECT TO APPROVAL BY ARCHITECT/ENGINEER BASED ON PERFORMANCE AND AESTHETICS.

2. PROVIDE INSULATION BARRIER, WHERE NON IC-RATED LIGHT FIXTURES ARE INSTALLED WHERE THEY MAY BE IN DIRECT CONTACT WITH INSULATION. INSULATION BARRIER SHALL BE EQUAL TO PRODUCTS BY 'E.Z. BARRIER'

	LIGHTING FIXTURE SCHEDULE														
MARK	BASIS OF DESIGN	MODEL# FINISH MOUNTING							VOLTAGE	APPROVED	NOTES				
	MANUFACTURER		-		TYPE	CODE	QTY.	WATTS		MANUFACTURERS					
C1	WILLIAMS	6DR-TL-L10/840-DIM-UNV-SM-OF-CS-WET/CC	WHITE	RECESSED	LED	WITH FIXTURE	-	9	120	LITHONIA, COOPER IND.	1,2,3,7				
PL1	LUMARK	PRV-C40-D-UNV-T4-BZ	ARCH	POLE	LED	WITH FIXTURE	-	145	120	LITHONIA, HUBBELL	1,2,4,9,10				
S1	WILLIAMS	75R-8-L60/840-DRV-120	WHITE	SUSPENDED	LED	WITH FIXTURE	-	36	120	LITHONIA, COOPER IND.	7				
T1	WILLIAMS	LT24-L40/840-AF-DRV-120	WHITE	RECESSED	LED	WITH FIXTURE	-	32	120	LITHONIA, COOPER IND.	7,8				
T1E	WILLIAMS	LT24-L40/840-AF-EM/12W-DRV-120	WHITE	RECESSED	LED	WITH FIXTURE	-	32	120	LITHONIA, COOPER IND.	5,7,8				
W1	WILLIAMS	WPCS-L44/840-BZ-EM/6W-DIM-UNV	ARCH	WALL	LED	WITH FIXTURE	-	42	120	LITHONIA, COOPER IND.	1,2,9				
X1	WILLIAMS	EXIT-R-EM-WHT-D	WHITE	UNIVERSAL	LED	WITH FIXTURE	-	5	120	LITHONIA, COOPER IND.	6,7				

- NOTES:

 1. FIXTURE SHALL BE LISTED FOR OUTDOOR USE AND SHALL BE ULLISTED FOR DAMP AND WET LOCATIONS AS REQUIRED. FIXTURE LAMP AND BALLAST SHALL BE CAPABLE OF OPERATING DOWN TO 0 DEGREES F AND UP TO 110 DEGREES F.
- COLOR SELECTION SHALL BE VERIFIED WITH ARCHITECT/OWNER PRIOR TO ORDERING.
 PROVIDE 25' STRAIGHT STEEL POLE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- PROVIDE FIXTURE WITH EMERGENCY BATTERY BACK-UP FOR MINIMUM 120-MINUTES OPERATION.
 REFER TO PLANS AND COORDINATE WITH OWNER/ARCHITECT FOR MOUNTING TYPE, FACE ORIENTATION, AND CHEVRON DIRECTION AS APPLICABLE.
- PROVIDE CLIPS OR MEANS OF SUPPORT AS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF SEISMIC CATEGORY D.
- PROVIDE SURFACE MOUNT KIT LT-24-SMK-W WHERE INSTALLED AT HARD LID CEILING. VERIFY FINISH WITH ARCHITECT. BASE BID SCOPE DOES NOT INCLUDE THIS FIXTURE. SHALL BE INCLUDED WITHIN THE SCOPE OF ALTERNATE NO. 1.

X1 $\left(\mathsf{c}\right)$ OS1 TIE B BARRACKS (1, TIE ** LIGHTING PLAN

1/8" = 1'-0"

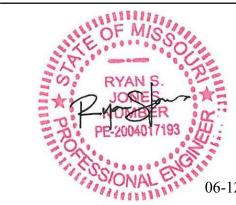
NORTH

KEYNOTES:

WALL PACK SHALL BE INSTALLED AT APPROXIMATELY 9'-0".

2) FIELD COORDINATE EXACT LOCATION AND MOUNTING OF LIGHTING FIXTURE TO AVOID CONFLICT WITH DUCTWORK IN MECHANICAL ROOM.

STATE OF MISSOURI MICHAEL L. KEHOE, **GOVERNOR**



RYAN S. JONES - ENGINEER PE-2004017193

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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPT. OF PUBLIC SAFET'S MISSOURI NATIONAL GUA DEPT. OF ADJUTANT GENEI

CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 6260 SITE# ASSET # 8136260012

REVISION: DATE: REVISION: DATE: REVISION:

ISSUE DATE: 06/12/2025

CAD DWG FILE: DRAWN BY: CHECKED BY:

SHEET TITLE:

LIGHTING SYMBOLS:

EMERGENCY LIGHT EXIT/EMERGENCY LIGHT

LIGHT SWITCH

— — — — — CONDUIT BELOW GRADE

3-WAY LIGHT SWITCH

EXIT LIGHT; WALL MOUNTED / CEILING MOUNTED

FLUORESCENT OR LED LIGHT FIXTURE

CEILING MOUNTED OCCUPANCY SENSOR LIGHTING & POWER PANELBOARD

HOME RUN: TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS

RECESSED CAN LIGHT FIXTURE EMERGENCY LIGHT FIXTURE

DESIGNED BY:

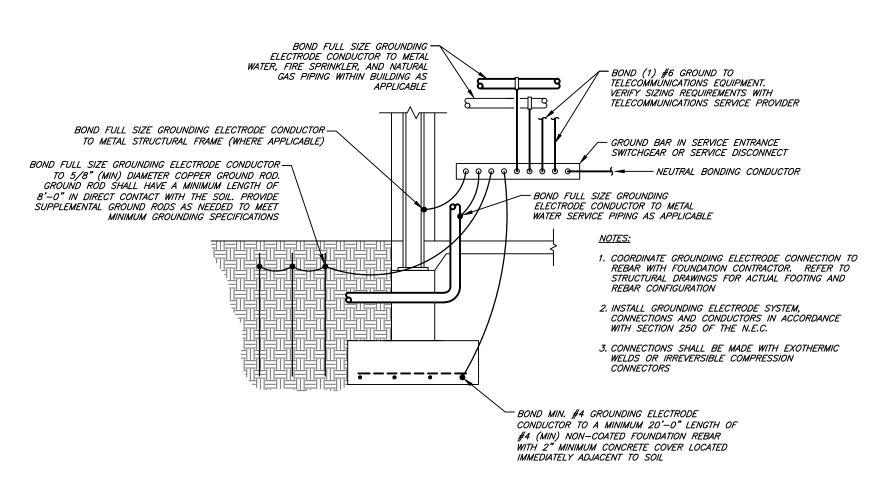
LIGHTING PLAN

SHEET NUMBER:

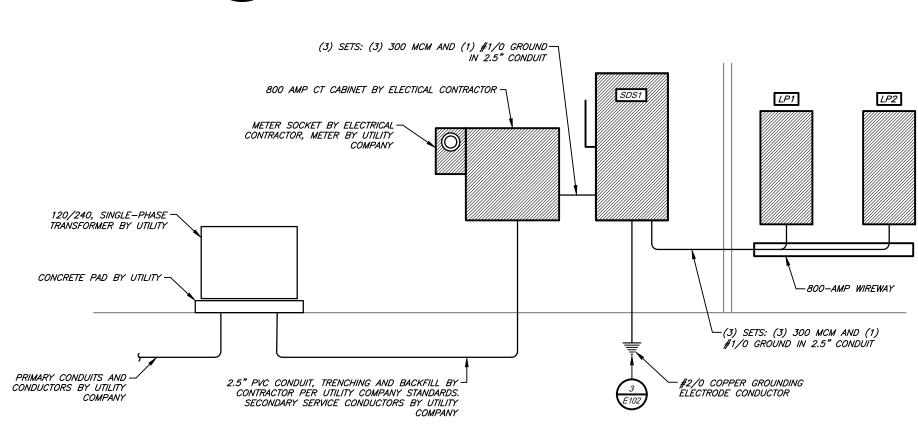
	BOARD SCHEDU													LP2
DLTAGE:	120/240	POLES:				54		MOUNTI	NG:		SUF	RFACE	ENCLOSURE:	NEMA 1
HASE / WIRE:	1 /3	KAIC AMPS (RMS):			22		LOCATIO	DN:		MEC	H. 104	BASIS OF DESIGN:	SQUARE D
ΛPS:	400	MAIN BREAK	ER / ML	LO:	_	MB		FED FRO	DM:		Λ	/IETER_	MODEL:	NQ
RC. IO.	EQUIPMENT SERVED		C/B AMPS	C/B POLES	C/B ACC.	LOAD (VA)	PHASE L	OADS (VA)	LOAD (VA)	C/B ACC.	C/B POLES	C/B AMPS	EQUIPMENT SERVED	CIRC. NO.
,	VENDING MACHINE RECEPTACLE		20	1	-	500	1940		1440	-	1	20	BARRACKS RECEPTACLES	2
3	VENDING MACHINE RECEPTACLE		20	1	-	500		1940	1440	-	1	20	BARRACKS RECEPTACLES	4
5	DRINKING FOUNTAIN RECEPTACLE		20	1	GFCI	500	1940		1440	-	1	20	BARRACKS RECEPTACLES	6
,	MECHANICAL RECEPTACLES		20	1	-	360		1800	1440	-	1	20	BARRACKS RECEPTACLES	8
)	HEAT PUMP (HP3)		25	2	HACR	1800	3240		1440	-	1	20	BARRACKS RECEPTACLES	10
1	"					1800		2800	1000	-	1	20	ICE MACHINE	12
3	HEAT PUMP (HP4)		25	2	HACR	1800	2300		500	-	1	20	MAINTANANCE RECEPTACLE	14
5	"					1800		1900	100	-	1	20	PUMP	16
7	AIR HANDLER AH3		60	2	HACR	6360	7540		1180	-	1	20	FAN EF1	18
9	"					6360		18360	12000	-	2	125	WATER HEATER WH1	20
11	AIR HANDLER AH4		60	2	HACR	6360	18360		12000				п	22
3	II .					6360		6860	500	_	1	20	FIRE ALARM PANEL	24
5	INTERIOR LIGHTING		_	_	_	690	1280		590	_	-	-	EXTERIOR LIGHTING	26
7	INTERIOR LIGHTING		-	_	_	780		780		_	_	_	SPACE	28
9	INTERIOR LIGHTING		-	_	_	690	690			_	_	_	SPACE	30
1	SPACE		-	_	_			0		_	_	_	SPACE	32
3	SPACE		_	_	_		0			_	_	-	SPACE	34
5	SPACE		_	_	_		Ū	0		_	_	-	SPACE	36
7	SPACE		_	_	_		0			_		- 1	SPACE	38
9	SPACE		_	_	_		Ů	0		_			SPACE	40
1	SPACE		_	_	_		0			_			SPACE	42
3	SPACE		_	_	_		U	0				 	SPACE	44
5	SPACE				_		0	U				 	SPACE	46
7	SPACE		-				U	0		-		 	SPACE	48
9	SPACE		_	_	_		0	U				 	SPACE	50
1	SPACE		-	-			U	0		-			SPACE	52
							0	U						
3	SPACE		-	-	-		U		544454		-	-	SPACE	54
ICLOSURE A	ACCESSORIES:								PANEL	BOARD	ACCES	SSORIES:	GB, CBB	
CIRCUIT BE AC EO	REAKER ACCESSORIES: - AUXILLIARY CONTACTS - ELECTRICAL OPERATOR	ENCLOSURE ACC CH CW	- CONCE	<u>S:</u> EALED HI IN WIDTH				PANELBOA CL FTL		SSION LUC	9S		SFB - SUB-FEED CIRCUIT BREAKER SFL - SUB-FEED LUGS	
GFCI	- GROUND-FAULT INTERRUPTING	DWD	- HINDG	ED DOOF	R WITHIN HI	NGED DOO	R	GB	- EQUIPME	ENT GROU			CBB - TIN PLATED COPPER BUS BARS	
HACR HLF	- HACR RATING - HANDLE LOCK-OFF	EGT EGB			TTER TOP TTER BOTT(ОМ		IGB NBK		ED GROUN L BONDING		I	ABB - TIN PLATED ALUMINUM BUS BARS TRN - 200% RATED NEUTRAL BUS BAR	
HLN	- HANDLE LOCK-ON	EGSL	- EXTEN	DED GU1	TTER LEFT I	HAND SIDE		PS	- PREPAR	ED CIRCUI		R SPACE	TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSION	
SR ST	- SWITCH RATING - SHUNT TRIP	EGSR FL		DED GUT LOCK(S)	TTER RIGHT	HAND SIDI	Ξ	SB SER	- SPLIT BU	IS ENTRANC	E RATING	<u>:</u>	APPOVED MANUFACTURERS: EATON. GE. SIEMENS	
٥,	55.VI IIVII	, _	LUSH	LOUN(S)				JLI	CLIVIOL			•	-19 == ========	

PANELI	BOARD SCHEDUI	_E												L
OLTAGE:	120/240	POLES:				54		MOUNTI	NG:		SUR	FACE	ENCLOSURE:	NE
PHASE / WIRE:	1 /3	KAIC AMPS (I	RMS):			22		LOCATIO	DN:		MEC	H. 104	BASIS OF DESIGN:	SQUA
AMPS:	400	MAIN BREAK	ER / M	LO:		MB		FED FRO	D <i>M:</i>		N	IETER	MODEL:	
CIRC. NO.	EQUIPMENT SERVED		C/B AMPS	C/B POLES	C/B ACC.	LOAD (VA)	PHASE L	OADS (VA)	LOAD (VA)	C/B ACC.	C/B POLES	C/B AMPS	EQUIPMENT SERVED	
1	HEAT PUMP (HP1)		50	2	HACR	3840	5280		1440	-	1	20	BARRACKS RECEPTACLES	
3	"					3840		5280	1440	-	1	20	BARRACKS RECEPTACLES	
5	HEAT PUMP (HP2)		40	2	HACR	3120	4560		1440	-	1	20	BARRACKS RECEPTACLES	
7	"					3120		4560	1440	_	1	20	BARRACKS RECEPTACLES	
9	BARRACKS RECEPTACLES		20	1	-	840	2280		1440	-	1	20	BARRACKS RECEPTACLES	
11	BARRACKS RECEPTACLES		20	1	-	1260		8340	7080	HACR	2	60	AIR HANDLER (AH2) CTK#1	
13	BATHROOM RECEPTACLES		20	1	_	540	7620		7080				"	
15	CORRIDOR/JANITOR RECEPTACLES		20	1	_	720	, , ,	6720	6000	HACR	2	60	AIR HANDLER (AH2) CTK#2	
17	BATHROOM RECEPTACLES		20	1	_	1080	7080		6000				"	
19	SPACE							7080	7080	HACR	2	60	AIR HANDLER (AH1) CTK #1	
21	SPACE						7080		7080				"	
23	SPACE							6000	6000	HACR	2	50	AIR HANDLER (AH1) CTK #2	
25	SPACE						6000		6000				"	
27	SPACE		-	-	-			0		-	-	-	SPACE	
29	SPACE		_	-	_		0			_	-	-	SPACE	
31	SPACE		-	-	-			0		-	-	-	SPACE	
33	SPACE		-	-	-		0			-	-	-	SPACE	
35	SPACE		-	-	-			0		-	-	-	SPACE	
37	SPACE		-	-	-		0			-	-	-	SPACE	
39	SPACE		-	-	-			0		-	-	-	SPACE	
41	SPACE		-	-	-		0			-	-	-	SPACE	
43	SPACE		-	-	-			0		-	-	-	SPACE	
45	SPACE		-	-	-		0			-	-	-	SPACE	
47	SPACE		-	-	-			0		-	-	-	SPACE	
49	SPACE		-	-	-		0			-	-	-	SPACE	
51	SPACE		-	-	-			0		-	-	-	SPACE	
53	SPACE		-	-	_		0			_	-	_	SPACE	•
ENCLOSURE A	CCESSORIES:				1				PANEL	BOARD	ACCES	SORIES:	GB, CBB	
<u>CIRCUIT BR</u> AC EO GFCI HACR	EAKER ACCESSORIES: - AUXILLIARY CONTACTS - ELECTRICAL OPERATOR - GROUND-FAULT INTERRUPTING - HACR RATING	ENCLOSURE ACC CH CW DWD EGT	- CONCI - COLUI - HINDG	EALED HI MN WIDTH ED DOOF		NGED DOO	PR	PANELBOA CL FTL GB IGB	- COMPRE - FEED-TH - EQUIPME	SSION LUG	ND BAR KI		SFB - SUB-FEED CIRCUIT BREAKER SFL - SUB-FEED LUGS CBB - TIN PLATED COPPER BUS BARS ABB - TIN PLATED ALUMINUM BUS BARS	
HLF HLN SR	- HANDLE LOCK-OFF - HANDLE LOCK-ON - SWITCH RATING	EGB EGSL EGSR	- EXTEN	IDED GUT	TTER BOTT TTER LEFT I TTER RIGHT	HAND SIDE		NBK PS SB		L BONDING ED CIRCUIT		R SPACE	TRN - 200% RATED NEUTRAL BUS BAR TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSION APPOVED MANUFACTURERS:	

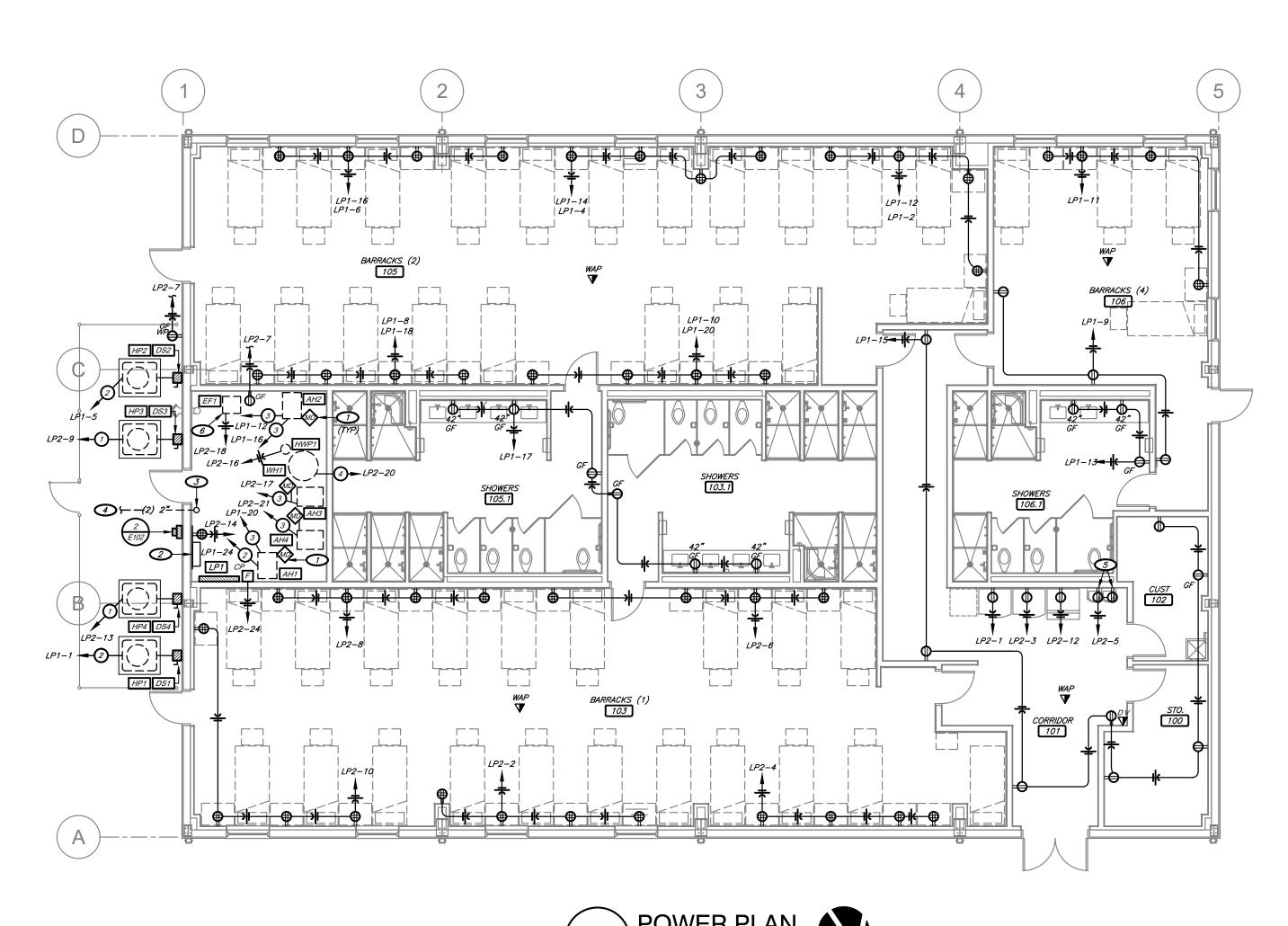
	DISCONNECT SWITCH SCHEDULE													
MADK	LOAD SWITCH OVERCURRENT PROTECTION										NEMA	NOTES &		
MARK	EQUIPMENT SERVED	VOLTAGE DUTY AMP POLE TYPE MFR MODEL AMP KAIC								ENCLOSURE	ACCESS.			
DS1	HEAT PUMO HP1	240	GD	60	1	NF					3R	1		
DS2	HEAT PUMO HP2	240	GD	60	1	NF					3R	1		
DS3	HEAT PUMP HP3	240	GD	30	1	NF					3R	1		
DS4	HEAT PUMP HP4	240	GD	30	1	NF					3R	1		
SDS1	SERVICE DISCONNECT	240	GD	800	3	FUSE					3R	1,3		
2. SOLID I	ND LUG KIT	OSITION					ABBREVIATIONS CB - ENCLOSEE GD - GENERAL HD - HEAVY DU NF - NON-FUSIE	O CIRCUIT BREAKER DUTY TY		APPROVED EATON, GE	MANUFACTURERS: , SIEMENS, SQUARE	D		



GROUNDING ELECTRODE DETAIL NO SCALE







KEYNOTES:

1 PROVIDE POWER TO MOTORIZED DAMPERS. FIELD COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.

2 LOW-VOLTAGE PATCH PANEL AND ENCLOSURE INSTALLED ON PHONE BOARD.

(2) 2" COMMUNICATIONS CONDUIT STUBBED UP TO PHONE BOARD. 4 REFER TO CIVIL PLANS FOR CONTINUATION.

5 INSTALL RECEPTACLES CONCEALED BEHIND DRINKING FOUNTAIN ENCLOSURE PER MANUFACTURER'S INSTRUCTIONS.

MICHAEL L. KEHOE, **GOVERNOR**

STATE OF MISSOURI



RYAN S. JONES - ENGINEER PE-2004017193

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GENERAL ELECTRICAL NOTES:

- GENERAL NOTES AND DETAILS ON THIS SHEET APPLY TO ALL ELECTRICAL SHEETS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE THE WORK WITH REGARD TO THE OWNER'S USE OF EXISTING PORTIONS OF PROPERTY.
- COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. COORDINATE LOCATIONS OF CONDUITS, RACEWAYS, SUPPORTS, ETC. WITH ALL TRADES PRIOR TO ROUGH—IN. YIELD RIGHT OF WAY TO SYSTEMS REQUIRED TO BE INSTALLED AT A SLOPE.
- COORDINATE REQUIRED CLEARANCES ABOUT AND ABOVE ELECTRICAL EQUIPMENT WITH PLUMBING, HVAC AND OTHER TRADES TO KEEP DUCTWORK, PIPING, ETC. FROM BEING INSTALLED ABOVE ELECTRICAL EQUIPMENT.
- COORDINATE LIGHT FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATIONS OF WALL MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH—IN.
- COORDINATE WALL MOUNTED SWITCH, RECEPTACLE, TELEPHONE, DATA, AND OTHER ELECTRICAL SYSTEM DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR AND MILLWORK ELEVATION DRAWINGS PRIOR TO ROUGH—IN.
- THERMOSTATS, SENSORS, DAMPERS AND HVAC EQUIPMENT CONTROL WIRING SHALL BE FURNISHED BY HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT AND BOXES FOR THE INSTALLATION OF DEVICES AND
- WHERE SHOWN ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE INSTALLED TO ALLOW 3"-6" BETWEEN EDGE OF SENSOR AND SWITCH COVERPLATE. WHERE SHOWN NOT ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE LOCATED WITHIN 12" OF NEAREST INSIDE OR OUTSIDE CORNER, NOT IN CENTER SECTION OF WALLS. ALL LOCATIONS SHALL BE SUBJECT TO APPROVAL BY ARCHITECT, ENGINEER, AND/OR OWNER.
- INSTALL RECEPTACLES ADJACENT TO PHONE, DATA, TV, ETC. OUTLETS WHERE SHOWN IN
- ALL BRANCH CIRCUITS OR FEEDERS SHALL BE INSTALLED WITH AN EQUIPMENT 12. ROUTE ALL EXPOSED CONDUIT TIGHT TO STRUCTURE IN A NEAT AND ORDERLY FASHION.

CONDUIT & CONDUCTOR SCHEDULE

(2) #10 AND (1) #10 GROUND IN 0.5" CONDUIT.

(2) #8 AND (1) #10 GROUND IN 0.75" CONDUIT.

(2) #6 AND (1) #10 GROUND IN 0.75" CONDUIT.

(2) #1 AND (1) #6 GROUND IN 1.25" CONDUIT.

ELECTRICAL SYMBOLS:

SIMPLEX RECEPTACLE; 2P, 3W, 15A OR 20A, 125V SIMPLEX RECEPTACLE; NEMA CONFIGURATION AS INDICATED DUPLEX RECEPTACLE; 2P, 3W, 15A OR 20A, 125V

DUPLEX RECEPTACLE; MOUNTED @ 42" ABOVE FINISHED FLOOR DUPLEX RECEPTACLE; MOUNTED 6" ABOVE COUNTERTOP BACKSPLASH

DUPLEX RECEPTACLE; INSTALLED FLUSH WITH CEILING

DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER DUPLEX RECPTACLE; WEATHERPROOF

DOUBLE DUPLEX RECEPTACLE WITH COMMON FACEPLATE RECEPTACLE MOUNTED IN FLUSH FLOOR BOX. REFER TO SPECIFICATIONS COMBINATION VOICE & DATA TELECOMMUNICATIONS OUTLET: ROUGH—IN JUNCTION BOX OR PLASTER RING, (1) CAT6 VOICE CABLE & (1) CAT6 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK

DATA TELECOMMUNICATIONS OUTLET INSTALLED FLUSH WITH CEILING: ROUGH-IN

JUNCTION BOX OR PLASTER RING, (1) CAT6 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK CABLE TV OUTLET: ROUGH—IN JUNCTION BOX OR PLASTER RING ONLY. CABLE, COVER PLATE & JACKS PROVIDED BY OTHERS.

JUNCTION BOX LIGHTING & POWER PANELBOARD CONDUIT CONCEALED IN CEILING OR WALL

---- CONDUIT BELOW GRADE HOME RUN: TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE

GROUND WIRE FEEDER PER SCHEDULE DISCONNECT SWITCH

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CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01

8136260012

REVISION:	
DATE:	
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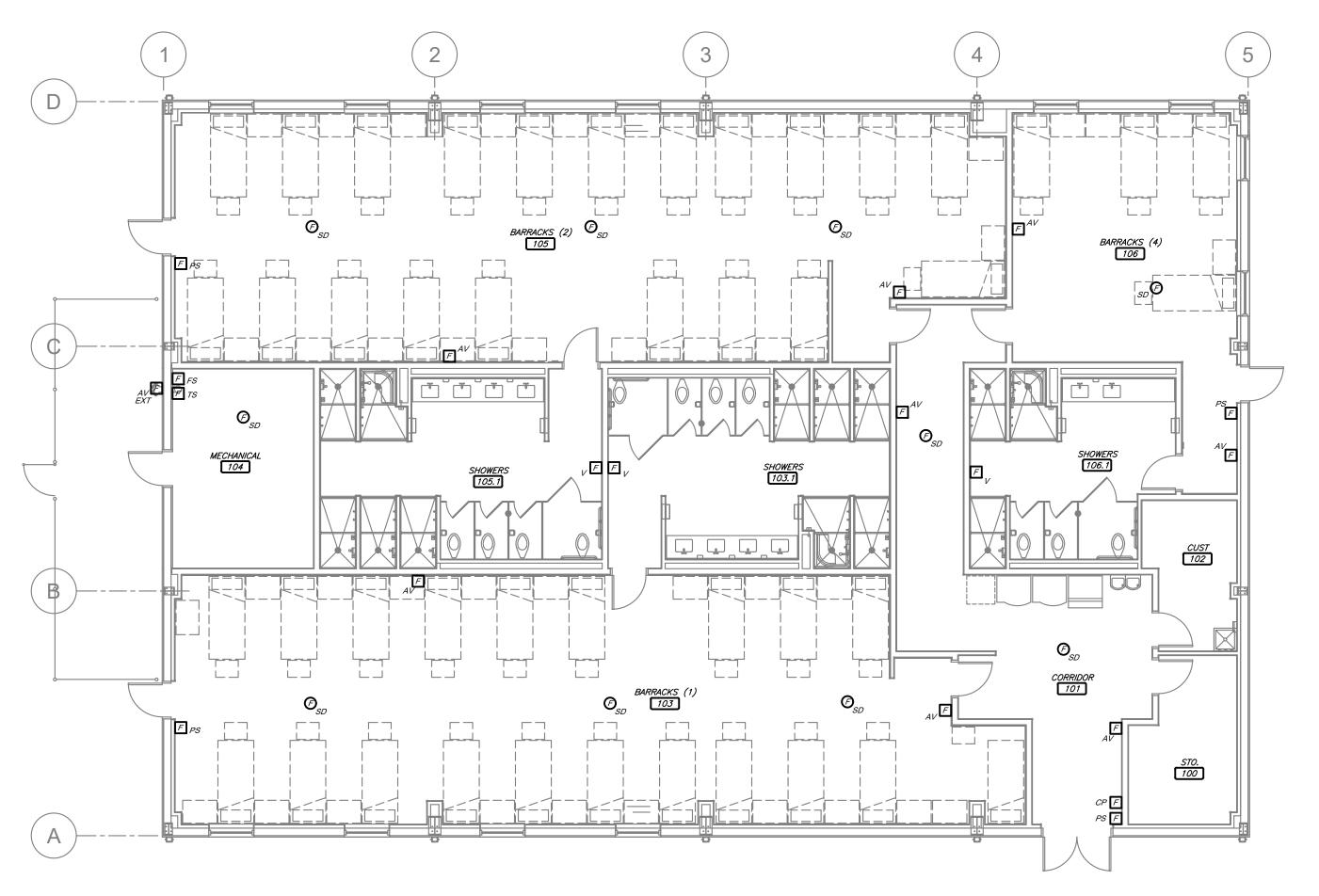
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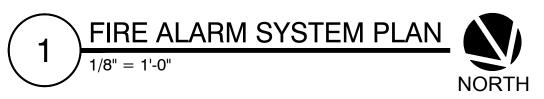
CAD DWG FILE: DRAWN BY: CHECKED BY: **DESIGNED BY:**

SHEET TITLE:

POWER PLAN

SHEET NUMBER:





FIRE ALARM GENERAL NOTES:

- 1. PROVIDE FIRE ALARM SYSTEM INITIATION DEVICES AND NOTIFICATION APPLIANCES, MONITORING AND CONTROL DEVICES AS INDICATED ON THE DRAWINGS AND/OR AS REQUIRED PER SPECIFICATIONS, LATEST EDITION OF NFPA 72 OR AUTHORITY HAVING
- 2. ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72 AND THE NATIONAL ELECTRICAL CODE.
- FIRE ALARM SYSTEM WIRING SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL COMPLY WITH N.E.C. ARTICLE 760.
- 4. ALL EXPOSED FIRE ALARM SYSTEM WIRING SHALL BE IN CONDUIT. PAINT FIRE ALARM
- CONDUIT, JUNCTION BOXES AND FITTINGS RED.

 5. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT.
- 6. FIRE ALARM SYSTEM EQUIPMENT SUBMITTALS SHALL INCLUDE PRODUCT DATA SHEETS, FIRE ALARM SYSTEM PLAN, EQUIPMENT WIRING DIAGRAMS, SEQUENCE OF OPERATIONS, VOLTAGE DROP AND BATTERY CALCULATIONS. IN ADDITION TO SUBMITTALS BEING SUBMITTED TO A/E, SUBMITTALS SHALL BE SUBMITTED TO AUTHORITY HAVING JURISDICTION(AHJ) FOR REVIEW AND APPROVAL. AN APPROVED COPY AS SUBMITTED TO AHJ SHALL ALSO BE SUBMITTED TO A/E.
- 7. WHERE A POWER EXTENDER IS REQUIRED, PROVIDE POWER EXTENDER, ASSOCIATED 120-VOLT POWER SUPPLY AND A SMOKE DETECTOR IN SAME ROOM AS POWER EXTENDER.
- 8. IF SHOWN ON THE PLANS, CONTRACTOR SHALL PROVIDE ALL MAGNETIC DOOR HOLDERS, AND ALL CONTROL WIRING, TO CLOSE DOORS UPON DETECTION BY ASSOCIATED SMOKE DETECTOR. DOOR HOLDER FINISH SHALL MATCH ALL DOOR HARDWARE FINISH OF DOOR HARDWARE PROVIDED BY OTHERS.
- FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS, AND SHALL BE INSTALLED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION AND TESTING OF FIRE ALARM SYSTEMS. INSTALLER SHALL HAVE A MINIMUM OF 3 YEARS OF EXPERIENCE. PERFORM OPERATIONAL SYSTEM TESTS UPON COMPLETION OF INSTALLATION. CORRECT DEFICIENCIES AND RETEST PRIOR TO OWNER OCCUPATION OF BUILDING. PROVIDE A COMPLETED NFPA 72 RECORD OF COMPLETION FORM TO THE OWNER AND AUTHORITY HAVING JURISDICTION.
- 10. FIRE ALARM SYSTEM CONTROL PANEL SHALL ALLOW FOR DETECTOR SENSITIVITY ADJUSTMENT AND TESTING, AND SHALL INCLUDE INDIVIDUAL CONTROLS [AT CONTROL PANEL] FOR TESTING AUDIBLE APPLIANCES AND VISUAL STROBES.

STATE OF MISSOURI MICHAEL L. KEHOE, GOVERNOR



RYAN S. JONES — ENGINEER PE-2004017193

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CONSTRUCT NEW 44 SOLDIER BARRACKS BUILDING 758

CAMP CROWDER TRAINING SITE 890 RAY A CARVER DRIVE NEOSHO, MISSOURI

PROJECT # T2337-01 SITE # 6260 ASSET # 8136260012

REVISION:
DATE:
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DATE:

ISSUE DATE: 06/12/2025

CAD DWG FILE: DRAWN BY:

SHEET TITLE:

CHECKED BY: DESIGNED BY:

FIRE ALARM SYSTEM PLAN

SHEET NUMBER:

E-103

31 OF 33 SHEETS JUNE 12, 2025

FIRE ALARM SYMBOLS:

- CEILING MOUNTED AUDIO/VISUAL FIRE ALARM ANNUNCIATING DEVICE
- (F) SD CEILING MOUNTED SMOKE DETECTOR
- F) DD DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE. INSTALL AT RETURN DUCT UNLESS OTHERWISE NOTED
- F CP FIRE ALARM SYSTEM CONTROL PANEL
- F AV WALL MOUNTED AUDIO/VISUAL FIRE ALARM ANNUNCIATING DEVICE
 - FA REMOTE ANNUCIATOR PANEL
- F FS FLOW SWITCH
- F PS MANUAL PULL ST
- F TS TAMPER SWITCH
- F V WALL MOUNTED VISUAL FIRE ALARM ANNUNCIATING DEVICE
 - WALL MOUNTED EXTERIOR AUDIO/VISUAL FIRE ALARM ANNUNCIATING DEVICE

 ### INSTEAD OF 33 SITES