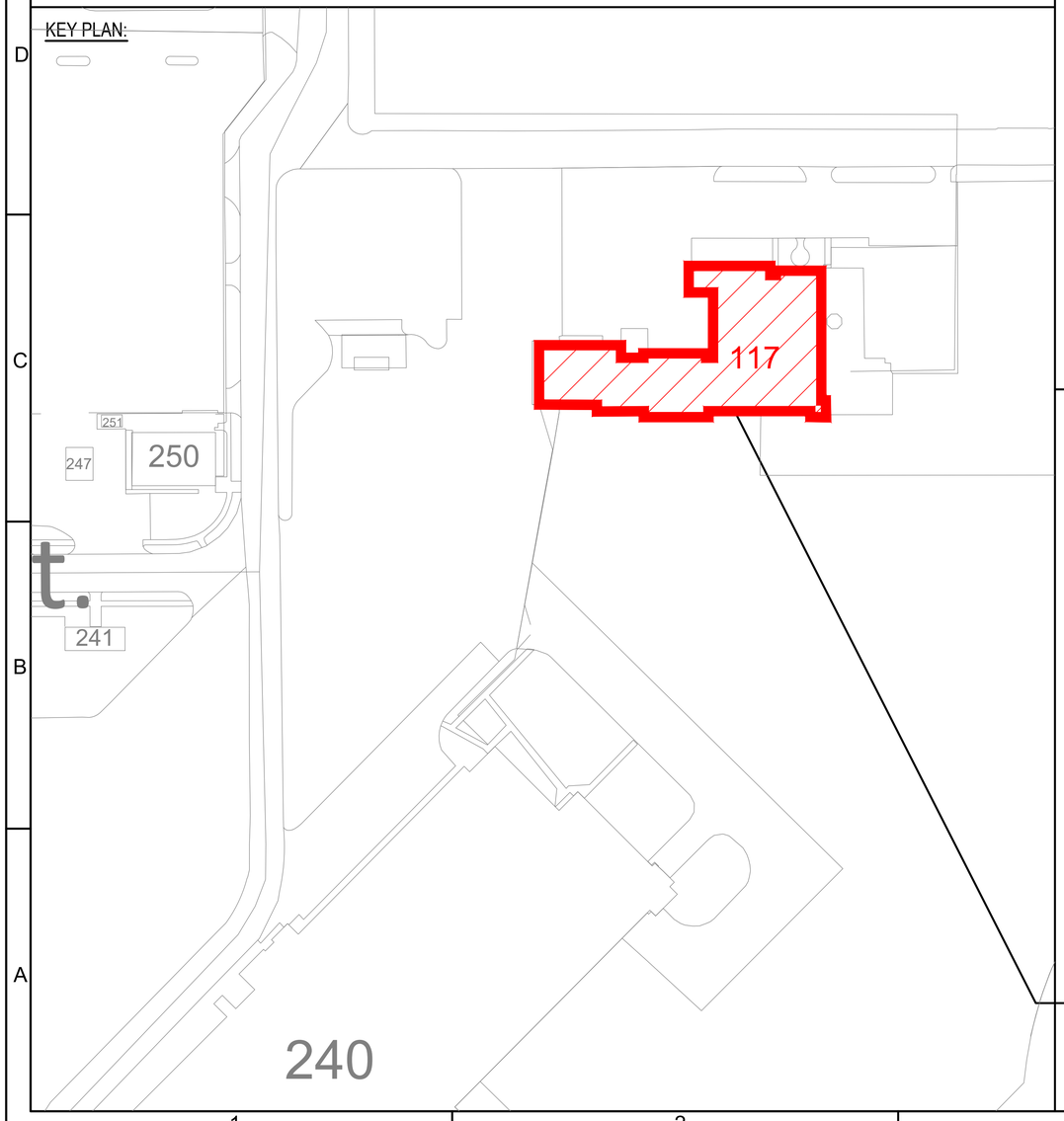
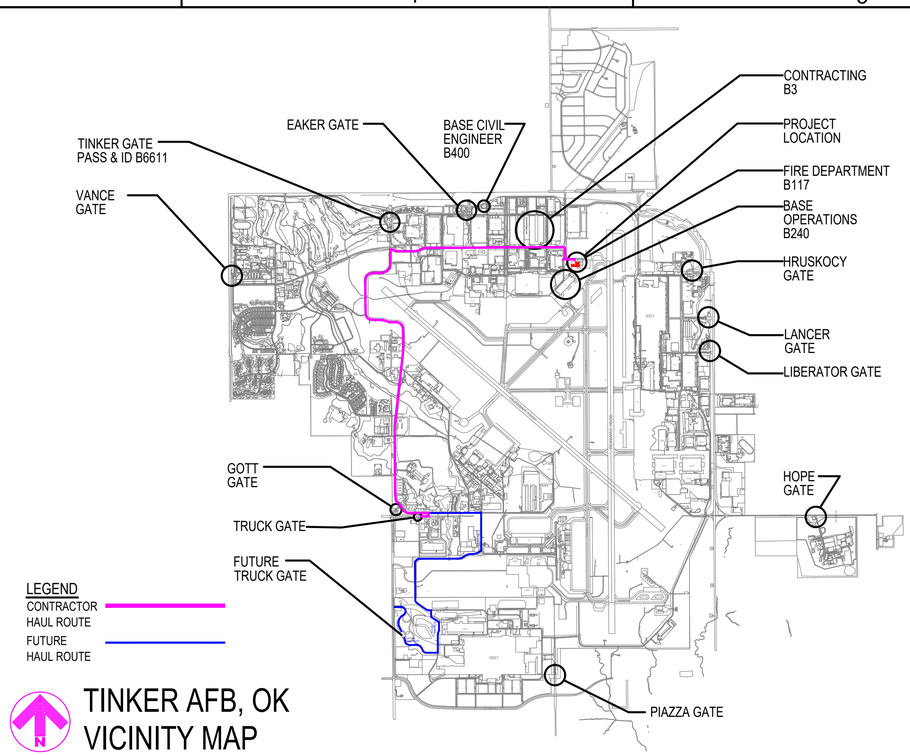
WWYK190023
RENOVATE RESTROOMS, B117

KEY PLAN:





TINKER AFB, OK
VICINITY MAP

GENERAL NOTES:

1. BRAND NAMES: REFERENCE TO SPECIFIC BRAND NAMES OR COMPANIES IS FOR THE PURPOSE OF ESTABLISHING MINIMUM QUALITY STANDARDS, IDENTIFICATION AND GUIDANCE AND IS NOT INTENDED TO LIMIT SELECTION OF OTHER MANUFACTURERS THAT ARE EQUAL OR EXCEED THE SPECIFIED ITEMS IN TERMS OF PHYSICAL PROPERTIES, INCLUDING, COLOR RANGE, FINISH, DURABILITY, APPEARANCE, PERFORMANCE CHARACTERISTICS, AND OTHER FACTORS. OTHER PRODUCTS, MATERIALS, COLORS AND SYSTEMS, MAY BE SUBMITTED FOR EVALUATION AND APPROVAL/DISAPPROVAL BY THE CONTRACTING OFFICER.
2. THIS SET OF CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED AS A WHOLE IN THAT THE GENERAL CONTRACTOR AND ALL THE SUB-CONTRACTORS ARE RESPONSIBLE FOR THE INFORMATION PRESENTED ON ALL SHEETS ON THE SET OF DRAWINGS AND ALL SECTIONS OF THE SPECIFICATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ERECTING ALL CONSTRUCTION FENCING AND BARRICADES AS REQUIRED TO PROTECT CONSTRUCTION MATERIAL AND TO PREVENT ANY UNAUTHORIZED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE.
4. ANY DAMAGE TO THE EXISTING GROUNDS OR FACILITIES CAUSED BY CONSTRUCTION TRAFFIC OR ANY CONSTRUCTION OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO MATCH OR EXCEED EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE GOVERNMENT.
5. ALL WORK NOTED & LOCATED IN THESE DOCS SHALL BE UNDERSTOOD BY THE CONTRACTOR TO REQUIRE ALL NEW LABOR & MATERIALS UNLESS SPECIFICALLY NOTED TO BE "EXISTING" OR "BY OTHERS".

PROJECT DRAWING INDEX

SEQ.	SHT.	SHEET TITLE
		GENERAL
1	G-101	GENERAL NOTES & VICINITY MAP
		DISCIPLINE
2	S-001	STRUCTURAL GENERAL NOTES
3	S-002	SPECIAL INSPECTIONS
4	S-101	STRUCTURAL PLAN
5	S-501	DETAILS
6	AD101	ARCHITECTURAL DEMOLITION FLOOR PLAN
7	A-101	ARCHITECTURAL NEW WORK FLOOR PLAN
8	A-102	ARCHITECTURAL REFLECTED CEILING PLAN
9	A-201	INTERIOR ELEVATIONS
10	A-202	INTERIOR ELEVATIONS
11	A-203	INTERIOR ELEVATIONS
12	A-501	TYPICAL ENLARGED PLAN & ELEVATIONS AND MATERIAL SCHEDULE
13	A-601	DOOR SCHEDULE & DETAILS AND ROOM FINISH SCHEDULE
14	FD101	FIRE PROTECTION DEMOLITION PLAN
15	F-101	FIRE PROTECTION NEW WORK PLAN
16	PD101	PLUMBING DEMOLITION PLAN
17	P-101	PLUMBING NEW WORK PLAN
18	P-102	MEN'S NEW WORK PLAN
19	P-103	WOMEN'S NEW WORK PLAN
20	P-501	DETAILS
21	MD101	MECHANICAL DEMOLITION PLAN
22	M-101	MECHANICAL NEW WORK PLAN
23	M-501	DETAILS
24	ED101	ELECTRICAL DEMOLITION PLAN
25	E-101	ELECTRICAL LIGHTING PLAN - NEW WORK
26	E-102	ELECTRICAL POWER PLAN - NEW WORK
27	E-601	ELECTRICAL ONE-LINE
28	E-602	ELECTRICAL SCHEDULE

SIGNATURES

CORROSION ENGINEER: (CECE)	DATE:
CE OPERATIONS: (CECO)	DATE:
ZONE MANAGER:	DATE:
CONSTRUCTION MANAGEMENT: (CECE)	DATE:
FIRE DEPARTMENT	DATE:
SAFETY:	DATE:
INDUSTRIAL HYGIENE:	DATE:
ENVIRONMENTAL:	DATE:
ASBESTOS EVALUATION:	DATE:
COMMUNICATIONS: (COMM)	DATE:
USING AGENCY:	DATE:
REVIEWED BY:	DATE:
REVIEWED BY:	DATE:
DESIGN MANAGER: (CECE)	DATE:
CHIEF DESIGN BRANCH: (CECE)	DATE:
CHIEF ENGINEER DIR: (CECE)	DATE:
BASE CIVIL ENGINEER: (CE)	DATE:

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE:2 APR 2026
DESIGN GROUP:TEPA-SRM
DESIGNED BY:T DELANEY
DRAWN BY:T KISER
CHECKED BY:
DESIGN FILE LOCATION:
T:\Engr\Design\2010s\2019\20190902310_Support\0_3_Drawings\Model

SHEET TITLE
GENERAL NOTES AND VICINITY MAP

SHEET NUMBER
G-101
SHEET 01 OF 28

G101, 4/30/2026 3:06:24 PM

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS AND APPLICABLE PROVISIONS OF THE UFC 3-301-01 (IBC 2024).
2. ANY DEVIATION FROM THE APPROVED CONTRACT STRUCTURAL DRAWINGS SHALL ONLY BE MADE AFTER WRITTEN APPROVAL BY THE ENGINEER OF RECORD.
3. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AND WORK SHALL NOT PROCEED UNTIL WRITTEN DIRECTION IS PROVIDED BY THE ENGINEER OF RECORD.
4. PROJECT SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND ARE TO BE USED IN CONJUNCTION WITH THE PROJECT DRAWINGS.
5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
6. DETAILS LABELED "TYPICAL" APPLY TO SITUATIONS OCCURRING THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY SHOWN. SUCH DETAILS APPLY WHEREVER THEY OCCUR, EVEN WHEN NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
7. WHERE NO CONSTRUCTION DETAILS ARE SHOWN, NOTED, AND DON'T APPEAR TO ALIGN WITH TYPICAL DETAILS, CONTACT THE STRUCTURAL ENGINEER OF RECORD.
8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THESE STRUCTURAL DRAWINGS.
9. ELEVATIONS GIVEN ON THE STRUCTURAL DRAWINGS ARE REFERENCED FROM FINISHED FLOOR, UNLESS OTHERWISE NOTED.
10. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE NOTED. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO THE DESIGN, ERECTION, AND REMOVAL OF TEMPORARY BRACING, SHORING, FALSEWORK, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS BY THE ENGINEER OF RECORD OR THEIR DELEGATE DO NOT CONSTITUTE INSPECTION OR APPROVAL OF THE ABOVE ITEMS.
11. VERIFICATION: THE DETAILING AND DIMENSIONS OF EXISTING STRUCTURES DO NOT NECESSARILY REPRESENT THE AS-CONSTRUCTED CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES. IN INSTANCES WHERE DISCREPANCIES ARE IDENTIFIED, WORK SHALL NOT PROCEED UNTIL WRITTEN DIRECTION IS PROVIDED BY THE ENGINEER OF RECORD.
12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DETAILS, DIMENSIONS AND SITE CONDITIONS TO AVOID THE INTERFERENCE OF MATERIALS EMBEDDED IN CONCRETE OR MASONRY INCLUDING BUT NOT LIMITED TO REINFORCING STEEL, PRESTRESSING STEEL AND HARDWARE, MISCELLANEOUS STEEL AND CONDUITS.
13. PRIOR TO BEGINNING EXCAVATION, THE CONTRACTOR SHALL LOCATE AND PROTECT UNDERGROUND OR CONCEALED UTILITIES WHERE NEW WORK IS BEING PERFORMED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN THE WORK AREA AND SHALL REPAIR ANY DAMAGE CAUSED BY THEIR OPERATIONS AT THEIR COST.
14. CONSTRUCTION MATERIALS SHALL BE EVENLY DISTRIBUTED IF PLACED ON FLOORS OR ROOFS DURING CONSTRUCTION. LOADS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH. CONCRETE SLAB ON GRADE IS TO HAVE REACHED IT'S FULL 28-DAY COMPRESSIVE STRENGTH BEFORE LOADING.
15. PROVIDE A LIST OF ALL PROPOSED SUBSTITUTIONS AND MANUFACTURER'S ICC ES REPORTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL BEFORE FABRICATION OR INSTALLATION.
16. OPENINGS, POCKETS, SLEEVES, BLOCK-OUTS, ETC. SHALL NOT BE PLACED IN SLABS, FOUNDATIONS, ETC. UNLESS SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS. THE ENGINEER OF RECORD SHALL BE NOTIFIED WHEN OTHER DRAWINGS SHOW OPENINGS, POCKETS, SLEEVES, BLOCK-OUTS, ETC. THAT ARE NOT SHOWN ON THESE STRUCTURAL DRAWINGS.
17. NO STRUCTURAL MEMBER SHALL BE CUT OR MODIFIED FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY SHOWN ON THESE STRUCTURAL DRAWINGS.
18. THESE STRUCTURAL DRAWINGS ILLUSTRATE THE NEW STRUCTURAL MEMBERS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS WHICH REQUIRE SPECIAL PROVISIONS DURING CONSTRUCTION OF THE STRUCTURAL MEMBERS.
19. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR DEPRESSIONS, SLOPES, DRAINS, CURBS, PADS, EMBEDDED ITEMS, NON-BEARING PARTITIONS, AND LOCATION AND DETAILS FOR ALL MISCELLANEOUS HANDRAILS, LADDERS, HANGERS AND STEEL GRATINGS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES AND HANGARS FOR PIPES, DUCTS, AND EQUIPMENT.
20. SEE PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL AND MANUFACTURER'S DRAWINGS FOR TYPE, SIZE, LOCATION, ANCHORAGE REQUIREMENTS AND PADS FOR ALL EQUIPMENT. MANUFACTURER'S TEMPLATES SHOWING ANCHOR BOLT LOCATIONS SHALL BE OBTAINED FOR ALL EQUIPMENT. COORDINATE WITH THE EQUIPMENT SUPPLIER PRIOR TO PLACING SLABS, WALLS AND FOUNDATIONS.
21. THESE STRUCTURAL DRAWINGS INDICATE ONLY THE APPROXIMATE LOCATION OF MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT AS WELL AS THEIR RELATED AUXILIARY FRAMING NECESSARY TO SUPPORT THE EQUIPMENT. THE FINAL POSITIONING OF THESE ITEMS IS DEPENDENT UPON THE EQUIPMENT PROVIDED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK BETWEEN SUBCONTRACTORS IN THIS REGARD AND PROVIDING NECESSARY INFORMATION AND DIMENSIONS IN A TIMELY MANNER TO ALL PARTIES INVOLVED.
22. OBSERVATION VISITS TO THE SITE BY THE ENGINEER OF RECORD OR THEIR DELEGATE SHALL NOT CONSTITUTE REQUIRED SPECIAL INSPECTIONS NOTED HEREIN.
23. THE CONCRETE SLABS ON GRADE HAVE NOT BEEN DESIGNED TO SUPPORT CONSTRUCTION EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE SLAB WHERE CONSTRUCTION EQUIPMENT IS TO BE PLACED THAT EXCEED THE DESIGN FLOOR LIVE LOAD. ANY DAMAGE TO THE CONCRETE SLAB AS A RESULT OF CONSTRUCTION EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT THEIR COST. CONCRETE SLAB ON GRADE IS TO HAVE REACHED IT'S FULL 28-DAY COMPRESSIVE STRENGTH BEFORE LOADING.

SHOP DRAWINGS AND PRODUCT DATA

1. THE REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS IS ONLY FOR REVIEW OF GENERAL COMPLIANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SHOP DRAWINGS PRIOR TO SUBMITTING TO THE ARCHITECT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING THE WORK IN A SAFE AND SATISFACTORY MANNER.
2. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ANY ITEMS REQUIRED BY THE SPECIFICATIONS. THE SUBMITTALS, TESTING & INSPECTION MATRIX IS PROVIDED AS A GUIDE ONLY, AND MAY NOT BE ALL-INCLUSIVE. CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS.
3. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS AND PRODUCT DATA FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTAL. ANY SHOP DRAWINGS OR PRODUCT DATA NOT REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW. THE CONTRACTOR SHALL CLOUD OR FLAG ALL ITEMS NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR. THE STRUCTURAL ENGINEER RESERVES THE RIGHT TO ALLOW OR NOT ALLOW ANY CHANGES TO THE ORIGINAL CONTRACT DRAWINGS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.
5. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND WHICH ARE NOT NOTED AS ALLOWED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO THE ORIGINAL CONTRACT DRAWINGS.
6. SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF MAJOR ERRORS OR OMISSIONS ARE FOUND DURING REVIEW.
7. SUBMIT NOT MORE THAN FIVE (5) SETS FOR ANY ONE SUBMITTAL. ONE COPY WILL BE RETAINED BY THE STRUCTURAL ENGINEER AND THE BALANCE RETURNED.
8. ALLOW A MINIMUM OF FIVE WORKING DAYS FOR REVIEW OF SHOP DRAWINGS BY THE STRUCTURAL ENGINEER.

SOILS AND FOUNDATIONS

GEOTECHNICAL DESIGN CRITERIA

1. THE FOUNDATION DESIGN IS BASED UPON THE IBC PRESUMPTIVE LOAD-BEARING VALUES. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECT OF THIS PROJECT.
2. OWNER SHALL EMPLOY A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF JURISDICTION TO PERFORM NECESSARY TESTING AND INSPECTIONS FOR QUALITY CONTROL AND TO ENSURE THAT THE REQUIREMENTS OF THE GEOTECHNICAL RECOMMENDATIONS ARE COMPLIED WITH. TEST REPORTS SHALL BE SUBMITTED DIRECTLY TO THE ARCHITECT AND ENGINEER FROM THE GEOTECHNICAL ENGINEER, WITH A COPY TO THE CONTRACTOR.
3. FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, EXISTING FOUNDATIONS, ETC., OR ANY UNUSUAL SOILS CONDITIONS ENCOUNTERED DURING SITE CLEARING OR EXCAVATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. DO NOT PROCEED UNTIL WRITTEN INSTRUCTIONS TO REMEDY ARE RECEIVED. ABANDONED FOOTINGS, NEW OR EXISTING UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REROUTED OR REMOVED AS DIRECTED BY THE ARCHITECT.
4. SLOPE ALL EXTERIOR FINISHED GRADES AWAY FROM THE BUILDING TO ENSURE NO PONDING OF WATER OCCURS AROUND BUILDINGS.
5. INSTALL ALL UNDERSLAB PIPING AND ELECTRICAL WORK AND RECOMPACT ANY DISTURBED COMPACTED MATERIAL BEFORE PLACEMENT OF CONCRETE SLAB ON GRADE.
6. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING, CRIBBING, SHEET PILING, ETC. AS REQUIRED TO SAFELY RETAIN EXCAVATIONS AND TRENCHES DURING CONSTRUCTION. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF JURISDICTION TO DESIGN ALL SHORING, TIE BACKS, ETC. WHERE SHORING IS TO BE PERMANENT, THE DESIGN MUST MEET ALL REQUIREMENTS OF THE BUILDING CODE.
7. EXCAVATION DEPTH AND SIDEWALL INCLINATION SHALL NOT EXCEED THOSE SPECIFIED IN LOCAL, STATE OR FEDERAL REGULATIONS INCLUDING THOSE DEFINED IN SUBPART P OF CHAPTER 27, 29 CFR PART 1926 (OF FEDERAL REGISTER). EXCAVATIONS MAY NEED TO BE WIDENED AND SLOPED, OR TEMPORARILY BRACED TO MAINTAIN OR DEVELOP A SAFE WORK ENVIRONMENT. CONTRACTOR IS SOLELY RESPONSIBLE FOR ASSESSING STABILITY UNDER "MEANS AND METHODS."
8. REFER TO THE ARCHITECTURAL PLANS FOR PERIMETER INSULATION REQUIREMENTS.
9. SOIL DESIGN PARAMETERS (SHALLOW FOUNDATIONS):
   - A. MINIMUM DEPTH OF BOTTOM OF FOOTINGS = 2'-0" BELOW LOWEST ADJACENT GRADE
   - B. MINIMUM WIDTH OF COLUMN FOOTINGS = 2'-0"
   - C. MINIMUM WIDTH OF CONTINUOUS FOOTINGS = 1'-6"
   - D. FROST DEPTH = 2'-0"
   - E. ALLOWABLE NET VERTICAL BEARING PRESSURE FOR ISOLATED/PAD FOOTINGS = 1500 PSF
   - F. ALLOWABLE NET VERTICAL BEARING PRESSURE FOR CONTINUOUS FOOTINGS = 1500 PSF
   - G. COEFFICIENT OF FRICTION BETWEEN SOIL AND CONCRETE = 0.30 (ULTIMATE VALUE)
   - H. PASSIVE EARTH PRESSURE = 135PCF (NON-EXPANSIVE CLAY)
   - I. UNIT WEIGHT = 130 PCF (NON-EXPANSIVE CLAY)
   - J. SOIL SITE CLASS = D

DESIGN CRITERIA

1. THE DESIGN CRITERIA SHALL CONFORM TO THE PROVISIONS OF THE UFC 3-301-01, AND STANDARDS REFERENCED THEREIN.
   - A. INTERNATIONAL BUILDING CODE (IBC) - 2024 EDITION
   - B. TAFB FACILITY STANDARD
   - C. MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES - ASCE 7-22
   - D. RISK CATEGORY OF BUILDING IV
2. DESIGN LOADS:
   - A. ROOF DEAD LOAD ..... 20 PSF (TOTAL)
   - B. ROOF LIVE LOAD ..... 20 PSF (NON-REDUCIBLE)
   - C. FLOOR DEAD LOAD ..... 63 PSF (CONCRETE SLAB ON GRADE)
   - D. FLOOR LIVE LOAD ..... 75 PSF (CONCRETE SLAB ON GRADE AT RESTROOMS)
3. SNOW DESIGN CRITERIA:
   - A. RISK CATEGORY IV
   - B. GROUND SNOW LOAD, p_g ..... 22 PSF
   - C. MINIMUM ROOF SNOW LOAD, p_s ..... 22 PSF
   - D. SNOW EXPOSURE FACTOR, C_e 1.0
   - E. THERMAL FACTOR, Ct 1.2
   - F. SLOPE FACTOR, C_s 1.0
4. WIND DESIGN CRITERIA:
   - A. RISK CATEGORY IV
   - B. DESIGN WIND SPEED (V_{ULT}) ..... 120 MPH
   - C. DESIGN WIND SPEED (V_{ASD}) ..... 93 MPH
   - D. EXPOSURE CATEGORY C
   - E. TOPOGRAPHIC FACTOR (K_{zt}) 1.0
   - F. GC_{pi} ..... +/- 0.18
   - G. GUST EFFECT FACTOR (G) 0.85
   - H. WIND BASE SHEAR (V_w) ..... N/A

BUILDING COMPONENTS AND CLADDING GROSS WIND PRESSURES (1.0W)

ZONE	DESCRIPTION	POSITIVE PRESSURES (PSF)						NEGATIVE PRESSURES (PSF)					
		EFFECTIVE AREA (FT^2)						EFFECTIVE AREA (FT^2)					
		10	20	50	100	200	500	10	20	50	100	500	1000
1*	ROOF INT*	17	-	-	16	-	-	-37	-	-	-37	-	-20
1	ROOF INT	17	-	-	16	-	-	-64	-	-	-	-40	-
2	ROOF EDGE	17	-	-	16	-	-	-84	-	-	-	-54	-
3	ROOF CORNER	17	-	-	16	-	-	-115	-	-	-	-54	-
4	WALL INTERIOR	40	-	-	-	-	30	-44	-	-	-	-34	-
5	WALL CORNER	40	-	-	-	-	30	-54	-	-	-	-34	-

CORNER EDGE DISTANCE a = 13'-7"
POSITIVE AND NEGATIVE VALUES SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM SURFACES, RESPECTIVELY.

5. SEISMIC DESIGN CRITERIA:
   - A. RISK CATEGORY IV
   - B. IMPORTANCE FACTOR, I_e 1.5
   - C. SITE CLASS ..... D
   - D. S_s 0.31g
   - E. S_{MS} 0.35g
   - F. S_{DS} 0.23g
   - G. S_1 ..... 0.08g
   - H. S_{M1} 0.17g
   - I. S_{D1} 0.11g
   - J. SEISMIC DESIGN CATEGORY (SDC) C
   - K. SEISMIC RESISTING SYSTEM ..... ORDINARY-REINFORCED MASONRY SHEAR WALLS.
   - L. SEISMIC BASE SHEAR 0.173*WEIGHT
   - M. RESPONSE COEFFICIENT (Cs) 0.173
   - N. RESPONSE MODIFICATION COEFF (R) 2.0
   - O. ANALYSIS PROCEDURE ..... EQUIVALENT LATERAL FORCE
6. FLOOD DESIGN DATA: NOT REQUIRED, NOT IN FLOOD ZONE.
7. ROOF DRAIN LOAD DATA:
   - A. 15 MINUTE RAIN INTENSITY ..... 9.82 IN/HR
   - B. 60 MINUTE RAIN INTENSITY ..... 5.04 IN/HR

CAST IN PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE SHALL BE READY MIXED CONCRETE IN ACCORDANCE WITH ASTM C94. MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 4000 PSI EXCEPT AS FOLLOWS:
   - A. CONCRETE EXPOSED TO FREEZE/THAW CYLCLE 4,500 PSI
3. CEMENT SHALL CONFORM TO ASTM C150, TYPE I, TYPE II, OR TYPE V IF RECOMMENDED BY GEOTECHNICAL ENGINEER FOR FOUNDATION ELEMENTS. CONCRETE EXPOSED TO SOIL SHALL HAVE TYPE II CEMENT AND A MAXIMUM W/C RATIO OF 0.5. AGGREGATE PER ASTM C33. LIGHTWEIGHT AGGREGATE PER ASTM C330. MAXIMUM 4" SLUMP FOR ALL CONCRETE. DO NOT TAMP SLABS (USE ROLLER BUG, VIBRATING SCREED OR BULL FLOAT ONLY). CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE FIELD-VERIFIED 3" MAXIMUM SLUMP PRIOR TO ADDING ADMIXTURE AND 8" MAXIMUM SLUMP AT PLACEMENT. MIX DESIGNS SHALL BE DESIGNED BY THE CONCRETE PRODUCTION FACILITY IN ACCORDANCE WITH ACI 301 AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. PROVIDE AIR-ENTRAINING ADMIXTURE AT ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AT A RATE ADEQUATE TO PROVIDE 6.0% AIR AT POINT OF PLACEMENT. DO NOT ALLOW AIR CONTENT OF INTERIOR TROWEL FINISHED SLABS TO EXCEED 3.0%.
4. WHERE INDICATED FIBER MESH REINFORCEMENT IN SLABS ON GRADE SHALL CONFORM TO ASTM C1116, TYPE III, SYNTHETIC FIBERS OF 100 PERCENT VIRGIN POLYPROPYLENE FIBRILLATED FIBERS CONTAINING NO REPROCESSED OLEFIN MATERIALS. PROVIDE MINIMUM OF 1.5 POUNDS OF FIBERS PER CUBIC YARD OF CONCRETE USED.
5. CONCRETE SHALL BE FREE OF CALCIUM CHLORIDE. NO FLY ASH ADDITIVES SHALL BE PERMITTED IN CONCRETE FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE. WHEN USED, FLY ASH SHALL CONFORM TO ASTM C618, CLASS F OR C. FLY ASH SHALL NOT REPLACE MORE THAN 25% OF CEMENT BY WEIGHT.
6. CONTINUOUS SPECIAL INSPECTION: REQUIRED FOR DESIGN STRENGTHS EXCEEDING 2500 PSI.
7. PROVIDE SLEEVES FOR UTILITY OPENINGS IN CONCRETE BEFORE PLACING CONCRETE. DO NOT CUT ANY CONFLICTING REINFORCING.
8. NO CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE INSTALLED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. PROVIDE 3/4" CHAMFER AT ALL EXTERIOR CORNERS AND EDGES OF PERMANENTLY EXPOSED CONCRETE.
9. DO NOT SUBJECT CONCRETE TO ANY PROCEDURE THAT WILL CAUSE SEGREGATION. DEPOSIT CONCRETE AS NEAR AS PRACTICABLE TO THE FINAL POSITION TO AVOID SEGREGATION.
10. CONCRETE FOOTINGS AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE COVERAGE FOR REINFORCING IS MAINTAINED.
11. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND EMBEDDED ITEMS AND UNDERFLOOR DUCTS, ETC. MECHANICALLY VIBRATE ONLY THE TOP 5 FEET OF DRILLED PIER CONCRETE. REVIBRATE TOP OF DRILLED PIER 15 MINUTES AFTER PLACING CONCRETE.
12. MIXING AND DELIVERY AS MEASURED FROM BATCH TIME TO COMPLETION OF DISCHARGE FROM TRUCK SHALL NOT EXCEED 90 MINUTES. WHEN AIR TEMPERATURE IS ABOVE 90 DEG F (32 DEG C), REDUCE MIXING, DELIVERY TIME AND DISCHARGE TO 60 MINUTES.
13. CURE EXPOSED CONCRETE FOR A MINIMUM OF 7 DAYS IN ACCORDANCE WITH ACI 308.1 PROCEDURES IN ORDER TO PREVENT CRACKING. CURE WITH CURING AND SEALING COMPOUND, MOIST CURING, MOISTURE-RETAINING COVER CURING, OR COMBINATIONS THEREOF. IF CURING COMPOUND IS USED, APPLY AT A RATE SPECIFIED BY THE MANUFACTURER. CONCRETE SHALL BE MAINTAINED ABOVE 50 DEGREES F AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT.ALL CONCRETE SHALL BE TESTED BY AN INDEPENDENT TESTING AGENCY AND RESULTS REPORTED TO THE ARCHITECT.
14. FOR PLACEMENT OF CONCRETE IN EITHER HOT OR COLD WEATHER CONDITIONS FOLLOW THE ACI STANDARD PROCEDURES.
15. REINFORCING BARS, ANCHOR BOLTS, REBAR DOWELS, AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACEMENT OF CONCRETE AND STABBING INTO WET CONCRETE IS NOT ALLOWED.
16. CHAMFER: 3/4 INCH ON EXPOSED CORNERS.

SYMBOLS

- CONTINUOUS WALL OR PAD FOUNDATION
- (N) STEEL COLUMN
- (E) STEEL COLUMN
- STEP IN SLAB
- F 2.0 (-1'-4") FOOTING TAG
- SHEAR WALL
- FOOTING STEP
- CMU WALL
- CONCRETE WALL
- WOOD/STEEL WALL
- H-X HEADER
- MOMENT CONNECTION
- CANTILEAVER CONNECTION
- DECK SPAN DIRECTION
- GRIDER
- JOIST

ABBREVIATIONS

&	AND	LW	LIGHTWEIGHT
@	AT		
AB	ANCHOR BOLT	MAX	MAXIMUM
ABV	ABOVE	MECH	MECHANICAL
ADDL	ADDITIONAL	MEZZ	MEZZANINE
ALT	ALTERNATE	MFR	MANUFACTURER
ARCH	ARCHITECT(URAL)	MIN	MINIMUM
ATR	ALL THREAD ROD	MISC	MISCELLANEOUS
		MTL	METAL
B/	BOTTOM OF		
BF	BRACED FRAME	(N)	NEW
BLDG	BUILDING	N/A	NOT APPLICABLE
BLKD	BLOCKED	NIC	NOT IN CONTRACT
BLKG	BLOCK(ING)	NS	NEAR SIDE
BLW	BELOW	NTS	NOT TO SCALE
BM	BEAM		
BN	BOUNDARY NAILING	OC	ON CENTER
BRG	BEARING	OD	OUTSIDE DIAMETER
BTM	BOTTOM	OH	OPPOSITE HAND
BP	BASE PLATE	OPNG	OPENING
C=	CAMBER	OPP	OPPOSITE
CFS	COLD-FORMED STEEL		
CIP	CAST IN PLACE	P/C	PRECAST
CJ	CONTROL JOINT	PEMB	PREENGINEERED METAL BUILDING
CL	CENTER LINE		
CLG	CEILING	PLT	PLATE
CLR	CLEAR(ANCE)	PLY	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PLF	POUNDS PER LINEAR FOOT
CNTR	CENTER(ED)	PNL	PANEL
COL	COLUMN	P/S	PRESTRESS(ED)
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONST	CONSTRUCT(ION)		
CONST JT	CONSTRUCTION JOINT	PSI	POUNDS PER SQUARE INCH
CONT	CONTINUOUS	PT	PRESSURE TREATED
CSK	COUNTERSINK		
d	PENNY(NAILS)	R	RADIUS
DBL	DOUBLE	RBS	REDUCED BEAM SECTION
DIA, Ø	DIAMETER		
DO	DITTO	RCP	REINF CONC PIPE
DWG	DRAWING(S)	REF	REFERENCE
DWL	DOWEL(S)	REINF	REINFORCE(ING)(MENT)
		REQD	REQUIRED
(E)	EXISTING	RF	ROOF
EA	EACH	RO	ROUGH OPENING
EF	EACH FACE	RTU	ROOF TOP UNIT
EJ	EXPANSION JOINT		
EL	ELEVATION	SC	SLIP CRITICAL
ELEC	ELECTRICAL	SCHED	SCHEDULE
EMBED	EMBED(ED)(MENT)	SHTG	SHEATHING
EN	EDGE NAILING	SIM	SIMILAR
EQ	EQUAL	SMS	SHEET METAL SCREW
EQUIP	EQUIPMENT	SOG	SLAB ON GRADE
ESR	EVALUATION SERVICE REPORT	SPEC	SPECIFICATION(S)
		SQ	SQUARE
ES	EACH SIDE	STD	STANDARD
EW	EACH WAY	STGR	STAGGER(ED)
EXT	EXTERIOR	STIFF	STIFFEN(ER)
		STL	STEEL
FDN	FOUNDATION	STRUCT	STRUCTURAL
FF	FINISHED FLOOR	SYMM	SYMMETRICAL
FG	FINISH GRADE	SW	SHEAR WALL
FLR	FLOOR	T&B	TOP & BOTTOM
FN	FIELD NAILING	T&G	TONGUE & GROOVE
FO	FACE OF	THK	THICK(NESS)
FOC	FACE OF CONCRETE	THRD	THREAD(ED)
FOM	FACE OF MASONRY	TN	TOE NAIL(ING)
FOS	FACE OF STUD	T/CONC	TOP OF CONCRETE
FP	FULL PENETRATION	T/PARAPET	TOP OF PARAPET
FRMG	FRAMING	T/STEEL	TOP OF STEEL
FS	FAR SIDE	TOW	TOP OF WALL
FT	FOOT(FEET)	TOF	TOP OF FTG/FDN
FTG	FOOTING	T/	TOP OF
		TRANS	TRANSVERSE
GA	GAUGE(GAGE)	TYP	TYPICAL
GALV	GALVANIZE(D)		
GL	GLUE LAMINATE	UNBLKD	UNBLOCKED
GLB	GLUE LAMINATED BEAM	UNO	UNLESS NOTED OTHERWISE
GR	GRADE		
GYP	GYPSUM	V	VERTICAL
H	HORIZONTAL	VIF	VERIFY IN FIELD
HD	HOLDOWN		
HDG	HOT DIPPED GALVANIZED	W	WIDTH (WIDE)
HDR	HEADER	W/	WITH
HGR	HANGER	WD	WOOD
HK	HOOK	W/O	WITHOUT
HSS	HOLLOW STRUCTURAL SECTION	WP	WORK POINT
		WT	WEIGHT
HT	HEIGHT	WWF	WELDED WIRE FABRIC
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS	X-STG	EXTRA STRONG
		XX-STG	DOUBLE EXTRA STRONG
		YD	YARD
ID	INSIDE DIAMETER		
IJ	ISOLATION JOINT		
IN	INCH(ES)		
INT	INTERIOR		
JST	JOIST		
JT	JOINT		
L	LONG (LENGTH)		
LB	POUND(S)		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LONG	LONGITUDINAL		

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PROJECT INFORMATION
WWYK190023
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TINKER AIR FORCE BASE, OKLAHOMA

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REVISIONS

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SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NUMBER
S-001

SHEET 02 OF 28

S001, 4/8/2026 11:14:28 AM

REINFORCING

1. REINFORCING AND ACCESSORIES SHALL BE DETAILED, FABRICATED AND INSTALLED PER ACI 315, ACI 318 AND CRSI "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION.

2. REINFORCING BARS SHALL BE MADE USING NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60 fy = 60 KSI. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82, FABRICATED IN FLAT SHEETS (NOT ROLLED)

3. WELDING OF REINFORCING IS NOT PERMITTED UNLESS SPECIFICALLY DETAILED. WELDED SHALL BE ACCORDING TO AWS D1.4.

4. ALL REINFORCING SHALL BE COLD BENT.

5. PROVIDE CLASS B SPLICES IN REINFORCING FOR CONTINUOUS REINFORCING. PROVIDE STANDARD 90 DEGREE HOOKS IN ACCORDANCE WITH ACI 318 UNLESS SPECIFICALLY DETAILED. REFER TO TYPICAL DETAIL FOR REQUIRED LAP LENGTHS.

6. MAINTAIN THE FOLLOWING REINFORCEMENT COVERAGE FOR REINFORCING STEEL UNLESS NOTED OTHERWISE.

CAST AGAINST OR PERMANENTY EXPOSED TO SOIL:	3 INCHES
EXPOSED TO SOIL OR WEATHER:	
NO. 6 AND LARGER:	2 INCHES
NO. 5 AND SMALLER:	1-1/2 INCHES
NOT EXPOSED TO SOIL OR WEATHER	
NO. 11 AND SMALLER	1" WALL, 1-1/2" SLAB
COLUMNS (TO TIES)	1 1/2"
BEAMS (TO STIRRUPS)	1 1/2"
SUSPENDED SLABS	3/4"
ALL OTHER PER LATEST EDITION OF ACI 318	

7. PROVIDE CONTINUOUS HORIZONTAL WALL AND CONTINUOUS FOOTING REINFORCEMENT WITH 90 DEGREE BENDS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL DETAILS.

8. ALL CONCRETE SLAB ON GRADE, RAISED CONCRETE SLAB, AND MAT REINFORCING IS TO BE SUPPORTED ON BOLSTERS AND CHAIRS SPACED NO FURTHER THAN 4 FEET ON CENTER. REINFORCING SHALL BE LOCATED 1 1/2" INCHES MINIMUM CLEAR FROM TOP OF SLAB.

BAR SPLICES

BAR SIZE:	CONCRETE f_c						MASONRY	
	3 KSI		4 KSI		5 KSI		ONE LAYER	TWO LAYERS
	TOP	OTHER	TOP	OTHER	TOP	OTHER		
#3	27"	21"	25"	19"	23"	18"	15"	15"
#4	36"	28"	33"	25"	30"	23"	21"	23"
#5	47"	36"	39"	30"	36"	28"	30"	35"
#6	56"	43"	48"	37"	43"	33"	43"	66"
#7	81"	62"	70"	54"	53"	49"	58"	90"
#8	92"	71"	81"	62"	73"	56"	87"	135"
#9	105"	81"	91"	71"	81"	63"	111"	171"
#10	117"	90"	100"	77"	90"	69"	140"	217"
#11	129"	100"	112"	87"	100"	78"	173"	268"

NOTES:
- #14 AND #18 BARS CANNOT BE LAP SPLICED.
- FOR LIGHTWEIGHT CONCRETE MULTIPLY SPLICE LENGTH BY 1.3.
- FOR EPOXY-COATED REINFORCEMENT, MULTIPLY SPLICE LENGTH BY 1.5.
- FOR CLEAR SPACING BETWEEN SPLICES OF LESS THAN 2 BAR DIAMETERS, OR CLEAR COVER OVER BARS BEING SPLICED LESS THAN 1 BAR DIAMETER, MULTIPLY SPLICE LENGTH BY 1.5.
- SPLICE LENGTHS SHOWN OR CALCULATED ARE MINIMUMS. ROUND UP AS REQUIRED TO ACHIEVE MINIMUM SPLICE LENGTH.
- TOP BARS ARE DEFINED AS ANY HORIZONTAL REINFORCEMENT PLACES SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE BARS BEING PLACED.

9. STAGGER ALTERNATE SPLICES A MINIMUM OF ONE LAP LENGTH. LAP WELDED WIRE FABRIC SO THAT THE OVERLAP BETWEEN OUTERMOST CROSS WIRES OF EACH SHEET IS NOT LESS THAN THE CROSS WIRE SPACING BUT NOT LESS THAN 6 INCHES. ALL SPLICE LOCATIONS SUBJECT TO APPROVAL AND SHALL BE MADE IN ACCORDANCE WITH THE DRAWINGS. EXTEND ALL HORIZONTAL REINFORCING CONTINUOUS AROUND CORNERS AND INTERSECTIONS OR PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS.

10. REINFORCING BAR SPACINGS GIVEN ARE MAXIMUM ON CENTERS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SKEW HOOKS AS REQUIRED FOR CONCRETE COVER. SECURELY TIE ALL BARS IN POSITION BEFORE PLACING CONCRETE. "WET STICKING" OF DOWELS IS NOT PERMITTED.

11. SPLICED BARS SHALL BE PLACED AT THE SAME EFFECTIVE DEPTH UNLESS NOTED OTHERWISE. REINFORCING BARS NOTED "CONTINUOUS" OR WITH LENGTH NOT SHOWN SHALL BE FULLY CONTINUOUS AND SPLICED ONLY AS SHOWN, OR WHERE APPROVED BY THE ENGINEER.

12. REINFORCING BAR HOOKS SHALL BE STANDARD ACI HOOKS UNLESS NOTED OTHERWISE.

STATEMENT OF QUALITY ASSURANCE / SPECIAL INSPECTIONS

1. QUALITY ASSURANCE / SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH THE UFC 3-301-01 AS SUMMARIZED BELOW.

2. THE SPECIAL INSPECTORS MUST BE QUALIFIED TO PERFORM THE TYPES OF INSPECTION SPECIFIED.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTING AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT SPECIAL INSPECTION IS SUBJECT TO REMOVAL.

4. THE SPECIAL INSPECTOR(S) SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND SUBMIT RECORDS OF INSPECTION TO THE ARCHITECT, ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION.

5. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A CERTIFIED OR QUALIFIED SPECIAL INSPECTOR(S), AS DETERMINED AND TO THE SATISFACTION OF THE ARCHITECT, ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION.

6. PERIODIC SPECIAL INSPECTION IS DEFINED AS THE PART-TIME OR INTERMITTENT INSPECTION OF THE WORK BY AN APPROVED INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS SPECIAL INSPECTION IS DEFINED AS THE FULL-TIME INSPECTION OF THE WORK BY AN APPROVED INSPECTOR WHO IS CONTINUOUSLY PRESENT AND MONITORING THE WORK PERFORMED. IN ALL CASES, THE INSPECTION SHALL BE COORDINATED AND PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING THE INSPECTED WORK.

7. ASSOCIATED TESTING SHALL BE PERFORMED AS INDICATED IN THE FOLLOWING TABLES BY AN APPROVED AND ACCREDITED AGENCY AS DETERMINED AND TO THE SATISFACTION OF THE ARCHITECT, ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION.

8. SPECIAL INSPECTION AND ASSOCIATED TESTING REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD, CONTRACTOR, AUTHORITY HAVING JURISDICTION, AND ARCHITECT WITHIN ONE WEEK OF INSPECTION OR WITHIN ONE WEEK OF TEST COMPLETION.

9. AT THE CONCLUSION OF CONSTRUCTION, A FINAL REPORT SHALL BE SUBMITTED BY THE SPECIAL INSPECTOR(S) WHICH DOCUMENTS THE REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF PREVIOUSLY NOTED DISCREPANCIES. THE FINAL REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD, CONTRACTOR, AUTHORITY HAVING JURISDICTION AND ARCHITECT.

10. WORK REQUIRING SPECIAL INSPECTION THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE SPECIAL INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.

11. REFER TO THE FOLLOWING TABLES AND SPECIFICATIONS FOR SPECIFIC INSPECTION/TESTING REQUIREMENTS AND FREQUENCIES.

12. DEFINITION OF "PERIODIC" AND "CONTINUOUS" SPECIAL INSPECTIONS; CONTINUOUS INSPECTION IS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED; PERIODIC INSPECTION IS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. WHERE "PERIODIC" SPECIAL INSPECTION IS REQUIRED, "PART-TIME" OR "INTERMITTENT" MEANS THAT INSPECTION OF THE TASK NEEDS TO BE PERFORMED FROM TIME TO TIME DURING THE PROGRESS OF THE TASK. THE PERIOD OF TIME BETWEEN INSPECTIONS VARIES GREATLY FOR DIFFERENT TYPES OF WORK DEPENDING ON THE TYPE OF INSPECTION DONE. THE PERIOD OF TIME BETWEEN INSPECTIONS ALSO DEPENDS ON THE PACE OF THE CONSTRUCTION, THE NUMBER OF WORKERS, AND THE QUALITY OF THE WORKMANSHIP, AND OTHER FACTORS. IT IS THE RESPONSIBILITY OF THE SPECIAL INSPECTOR TO PROVIDE INSPECTIONS AT AN APPROPRIATE FREQUENCY AND AT APPROPRIATE TIMES DURING CONSTRUCTION. THE INSPECTOR MUST HAVE ADEQUATE EXPERIENCE AND EXHIBIT GOOD JUDGEMENT IN DETERMINING THE FREQUENCY AND TIMING OF INSPECTIONS

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONT	PERIODIC
1. INSPECTION OF REINFORCING STEEL, INCLUDING PLACEMENT.	-	X
2. INSPECTION OF ANCHORS CAST IN CONCRETE	-	X
3. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE.	X	-
4. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
1. REVIEW CONTRACTOR'S FIELD QUALITY CONTROL PROCEDURES. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	x
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	x
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	x
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	x	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	x

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PROJECT INFORMATION
WWYK190023
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TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

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CHECKED BY:
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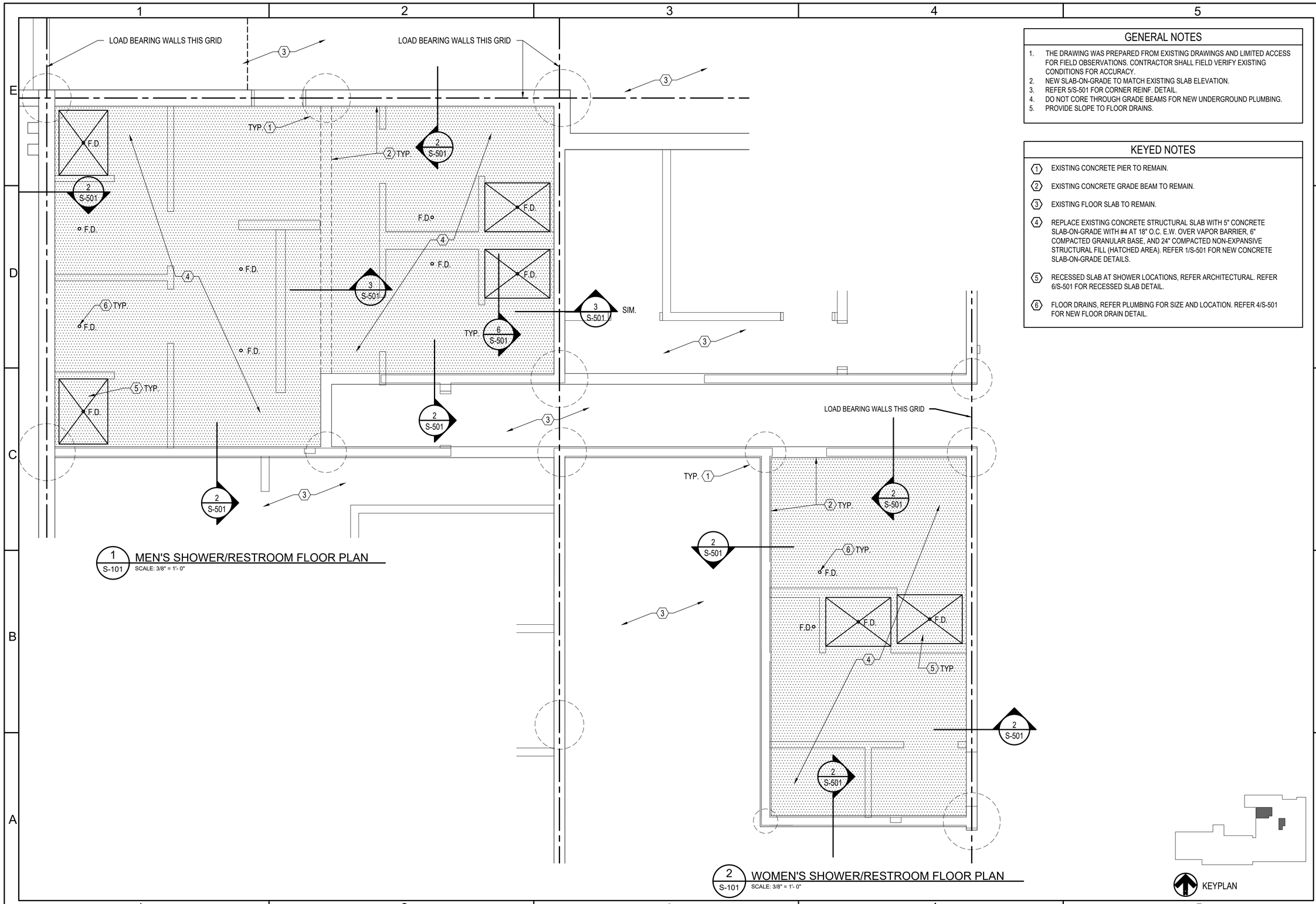
SHEET TITLE
GENERAL NOTES AND SPECIAL INSPECTIONS

SHEET NUMBER
S-002

SHEET 03 OF 28

S002, 4/8/2026 11:14:07 AM



GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. NEW SLAB-ON-GRADE TO MATCH EXISTING SLAB ELEVATION.
3. REFER 5/S-501 FOR CORNER REINF. DETAIL.
4. DO NOT CORE THROUGH GRADE BEAMS FOR NEW UNDERGROUND PLUMBING.
5. PROVIDE SLOPE TO FLOOR DRAINS.

KEYED NOTES

1. EXISTING CONCRETE PIER TO REMAIN.
2. EXISTING CONCRETE GRADE BEAM TO REMAIN.
3. EXISTING FLOOR SLAB TO REMAIN.
4. REPLACE EXISTING CONCRETE STRUCTURAL SLAB WITH 5" CONCRETE SLAB-ON-GRADE WITH #4 AT 18" O.C. E.W. OVER VAPOR BARRIER, 6" COMPACTED GRANULAR BASE, AND 24" COMPACTED NON-EXPANSIVE STRUCTURAL FILL (HATCHED AREA). REFER 1/S-501 FOR NEW CONCRETE SLAB-ON-GRADE DETAILS.
5. RECESSED SLAB AT SHOWER LOCATIONS, REFER ARCHITECTURAL. REFER 6/S-501 FOR RECESSED SLAB DETAIL.
6. FLOOR DRAINS, REFER PLUMBING FOR SIZE AND LOCATION. REFER 4/S-501 FOR NEW FLOOR DRAIN DETAIL.

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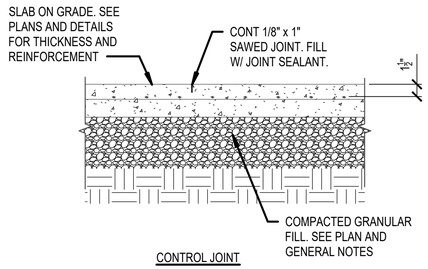
SHEET TITLE
STRUCTURAL PLAN

SHEET NUMBER
S-101
SHEET 04 OF 28

S101, 4/8/2026 11:13:46 AM

SLAB ON GRADE SCHEDULE			
SLAB THICKNESS	MAX CONTROL JOINT SPACING	REINF. CLEARANCE	SAW CUT DEPTH
5"	15'-0"	2"	1 1/2"



CONTROL JOINT

NOTES:

1. CONTRACTOR SHALL SUBMIT A JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL PRIOR TO PLACING SLAB ON GRADE.

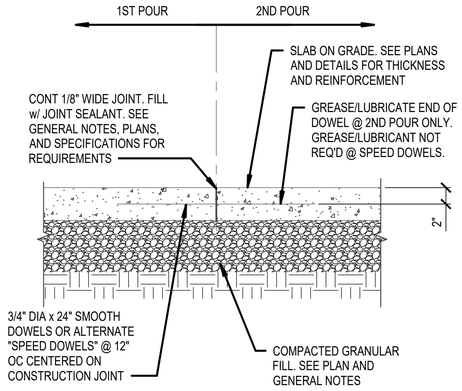
2. CONTROL JOINTS TO BE LOCATED AT COLUMN CENTER LINES AND 12'-0" OC MAX. THE RATIO OF CONTROL JOINT LENGTHS BOUNDING A SLAB ON GRADE AREA SHALL NOT EXCEED A 1.5:1 PROPORTION.

3. SAWCUT CONTROL JOINTS AS CLOSE TO WALL OR COLUMN AS PRACTICAL.

4. MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISHED SURFACE OF SLAB. THIS SHOULD BE LATE ENOUGH TO PREVENT RAVELING AND EARLY ENOUGH TO PREVENT SHRINKAGE CRACKING (8 HRS MAX).

5. DO NOT CUT REBAR.

6. REINF. SHALL BE SUPPORTED AS REQUIRED TO PROVIDE CLEARANCE AS SHOWN. USE CONSTRUCTION JOINT DETAIL WHERE INDICATED ON PLAN OR BETWEEN SLAB POURS



CONSTRUCTION JOINT

NOTES:

1. REFER TO PLANS AND GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

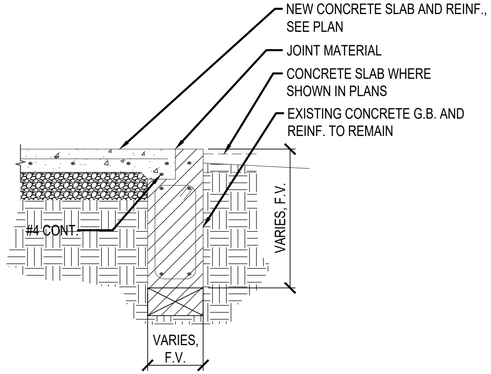
2. CONTRACTOR SHALL TAKE CARE NOT TO PUNCTURE VAPOR BARRIER DURING CONSTRUCTION OF SLAB ON GRADE.

3. INSPECT VAPOR RETARDER AFTER REINF PLACEMENT AND REPAIR AS NEEDED PER MFR RECOMMENDATIONS BEFORE POURING OF CONCRETE.

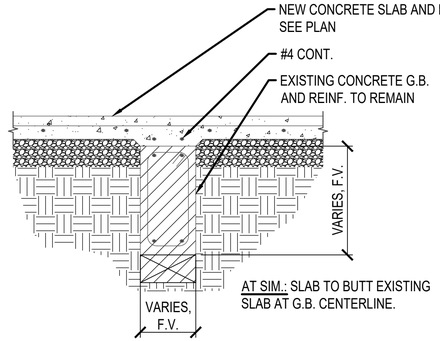
4. TAKE SPECIAL PRECAUTIONS PER ACI302.1R TO PREVENT DIFFERENTIAL CURING.

5. CONSTRUCTION JOINTS MAY BE SUBSTITUTED FOR CONTROL JOINTS.

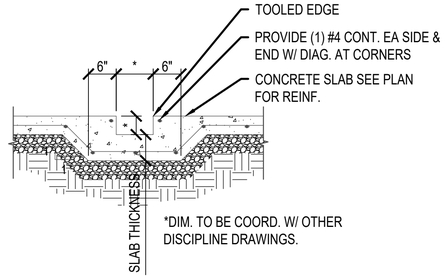
1 / S-501 SLAB-ON-GRADE DETAIL
SCALE: 1" = 1'- 0"



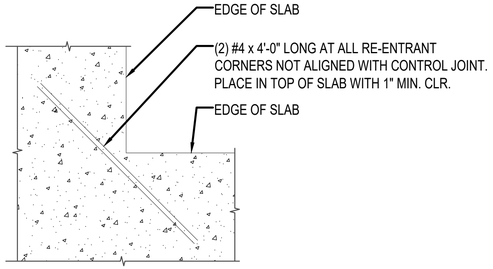
2 / S-501 TYPICAL CONCRETE SLAB AT EXISTING PERIMETER G.B.
SCALE: 3/4" = 1'- 0"



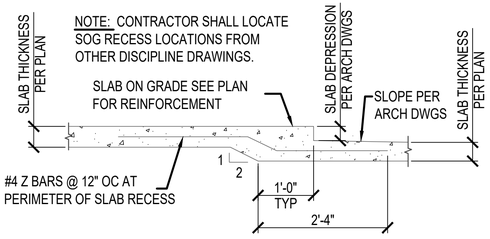
3 / S-501 TYPICAL CONCRETE SLAB AT EXISTING INTERIOR G.B.
SCALE: 3/4" = 1'- 0"



4 / S-501 TRENCH IN CONCRETE SLAB DETAIL
SCALE: 3/4" = 1'- 0"



5 / S-501 TYPICAL SLAB CORNER REINF. DETAIL
SCALE: 3/4" = 1'- 0"



6 / S-501 TYPICAL SOG RECESS
SCALE: 3/4" = 1'- 0"

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

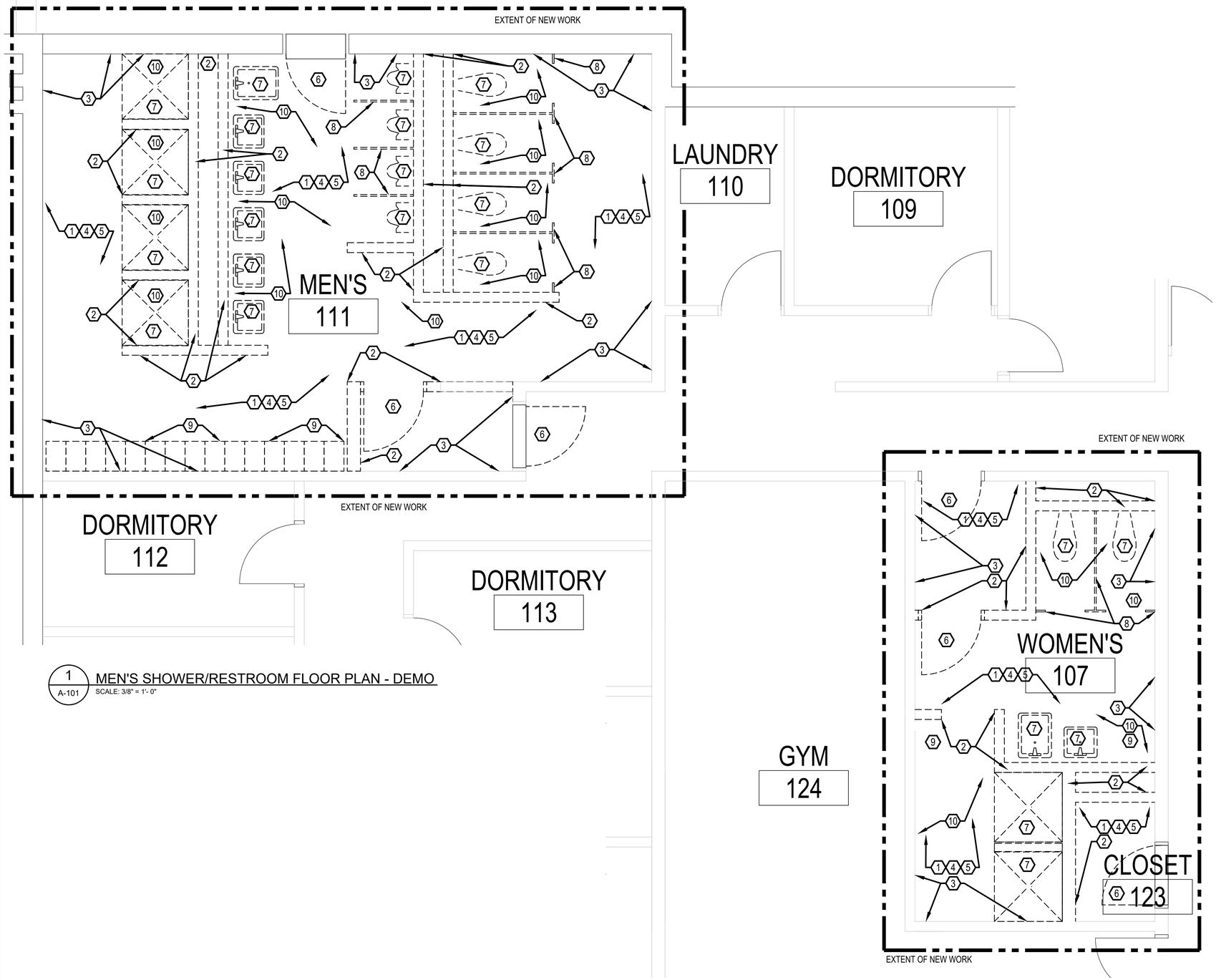
MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: L LUKE
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: Engr\Design\2010s\2019\2019002310_Support\0_3_Drawings\Model

SHEET TITLE: DETAILS

SHEET NUMBER: S-501

SHEET 05 OF 28

S501, 4/8/2026 11:13:17 AM



1 / A-101 MEN'S SHOWER/RESTROOM FLOOR PLAN - DEMO
SCALE: 3/8" = 1'- 0"

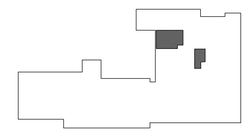
1 / A-101 WOMEN'S SHOWER/RESTROOM FLOOR PLAN - DEMO
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. THE FACILITY WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. PROVIDE PORTABLE RESTROOM WITH FOUR (4) LAVATORIES AND FOUR (4) TOILETS THROUGHOUT THE ENTIRETY OF CONSTRUCTION. PROVIDE FOUR (4) PORTABLE SHOWERS THROUGHOUT ENTIRETY OF CONSTRUCTION. LOCATE AND CONNECT TO EXISTING WATER SOURCE. COORDINATE WITH PLUMBING REQUIREMENTS.

KEYED NOTES

1. EXISTING FLOOR: DEMOLISH FLOATING CONCRETE SLAB WITHIN PERIMETER WALLS OF TWO EXISTING RESTROOM/SHOWER/LOCKER ROOMS. EXISTING PERIMETER CMU WALLS TO REMAIN.
2. EXISTING WALLS: DEMOLISH CONCRETE MASONRY WALLS (CMU) WITHIN SPACES. EXISTING WALL FINISHES ARE TILE.: EXISTING PERIMETER CMU WALLS TO REMAIN.
3. TILE: REMOVE TILE FROM PERIMETER WALLS THAT REMAIN.
4. CEILING: REMOVE DRYWALL CEILINGS SYSTEM IN ITS ENTIRETY.
5. INSULATION: REMOVE EXISTING INSULATION IN ITS ENTIRETY.
6. DOORS: REMOVE HOLLOW METAL DOOR AND FRAMES E111B WITHIN MEN'S AND E107B WITHIN WOMEN'S RESTROOM/SHOWER/LOCKER PERIMETER WALLS. REMOVE DOOR E111C AT NORTH AND E111A AT SOUTH ENTRANCE, WITH DOOR FRAME TO REMAIN. REMOVE DOOR E107A AND E123A AT ROOM ENTRANCE, WITH DOOR FRAME TO REMAIN. SALVAGE HARDWARE CORE AND RETURN TO TAFB LOCK SHOP. PROTECT REMAINING DOOR FRAMES.
7. PLUMBING FIXTURES: DEMOLISH TOILETS, LAVATORIES, PLUMBING FIXTURES, ETC. IN ITS ENTIRETY.
8. TOILET AND URINAL PARTITIONS: REMOVE TOILET AND URINAL PARTITIONS IN ITS ENTIRETY.
9. LOCKERS: REMOVE AND SALVAGE LOCKERS. STORE FOR REINSTALLATION.
10. ACCESSORIES: REMOVE ACCESSORIES, INCLUDING MIRRORS, PAPER TOWEL DISPENSER, HAND DRYER, TOILET PAPER DISPENSER, ETC.



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

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PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
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REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE:2 APR 2026
DESIGN GROUP-TEPA-SRM
DESIGNED BY:T DELANEY
DRAWN BY:T KISER
CHECKED BY:
DESIGN FILE LOCATION:
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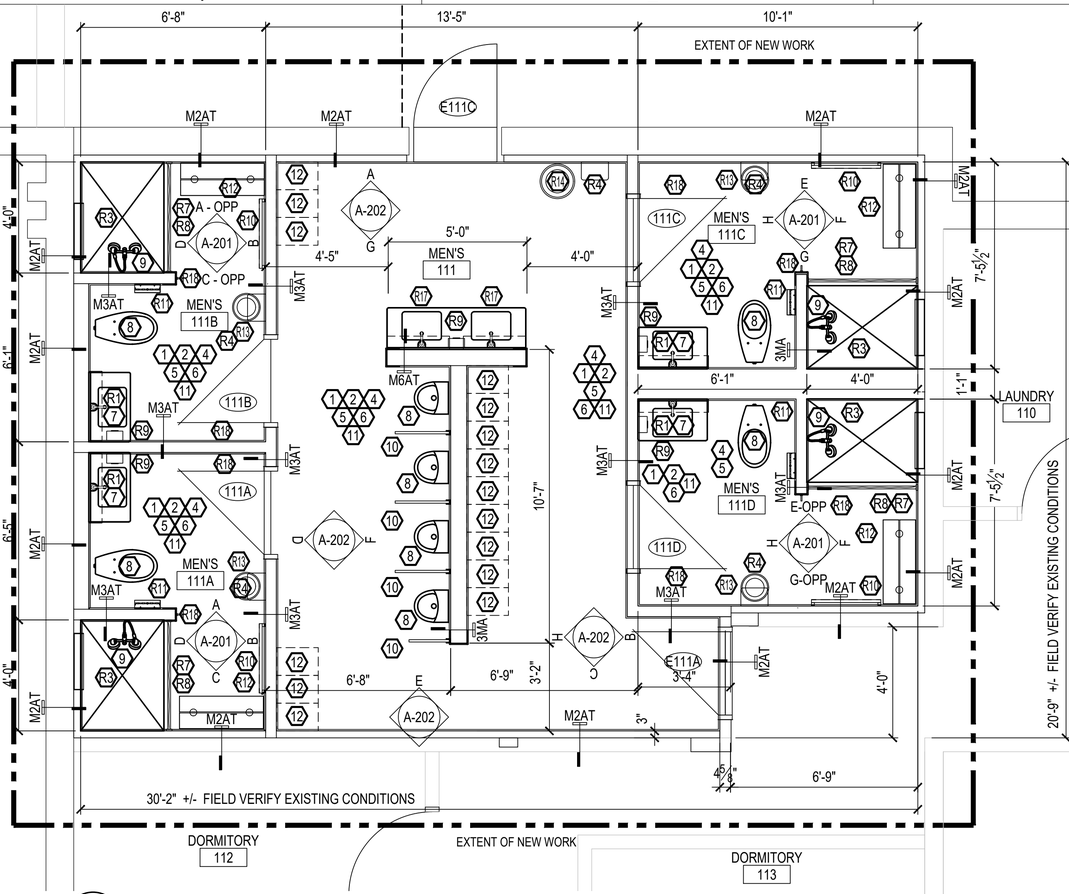
SHEET TITLE
ARCHITECTURAL DEMOLITION FLOOR PLAN

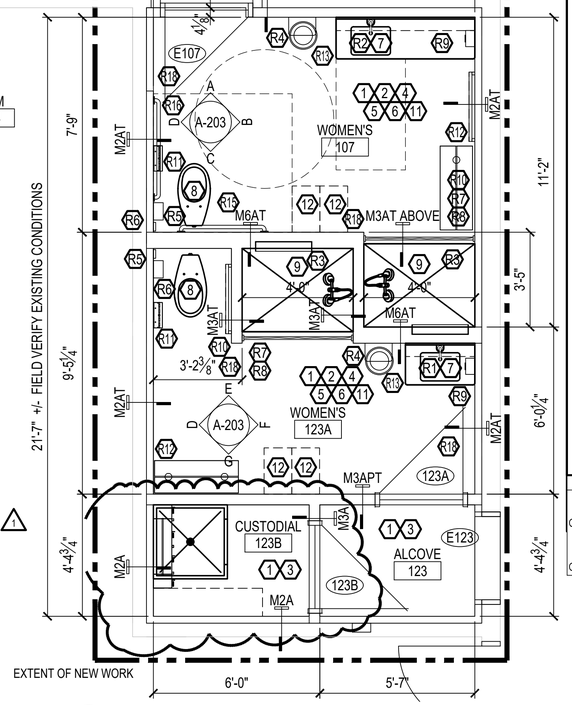
SHEET NUMBER
AD-101
SHEET 06 OF 28

AD-101, 4/13/2026 8:40:13 AM



1 A-101 MEN'S SHOWER/RESTROOM FLOOR PLAN

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



1 A-101 WOMEN'S SHOWER/RESTROOM FLOOR PLAN

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

RESTROOM ACCESSORY SCHEDULE - DESIGN BASED ON									
ITEM	PRODUCT	FURNISHED | INSTALLED BY				DESIGN BASED ON		OVERALL SIZE	
		CFCI	CFVI	VFCI	VFVI	MANUFACTURER	MODEL NO	WIDTH	HEIGHT/ LENGTH	DEPTH
R1	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF	X				BOBRICK	B-292 2948 29 x 48"	29"	48"	5" SHELF
R2	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF	X				BOBRICK	B-292 2948 59 x 48"	59"	48"	5" SHELF
R3	MIRROR - FRAMELESS STAINLESS STEEL	X				BOBRICK	B-15556	12"	12"	
R4	PAPER TOWEL DISPENSER - ENMOTION - BLACK - FLEX MINI - 9.5" x 13.23" SHEET	X				GEORGIA PACIFIC	59798	11.75"	13.28"	7.83"
R5	SANITARY DISPOSAL - SURFACE MOUNTED	X				BOBRICK	B-9254	7 1/2"	13"	4"
R6	SANITARY DISPOSAL - BAG DISPENSER	X				BOBRICK	B-3541			
R7	SHOWER CURTAIN - VINYL	X				BOBRICK	204-3	70"	72"	
R8	SHOWER CURTAIN ROD - EXTRA-HEAVY -DUTY CLASSIC SERIES	X				BOBRICK	B-6047		48"	1 1/4" DIA
R9	SOAP DISPENSER - SURFACE-MOUNTED AUTOMATED TOUCHLESS SOAP & SANITIZER DISPENSER - PACIFIC BLUE ULTRA	X				GEORGIA PACIFIC	53590	6 5/8"	11 3/4"	4"
R10	TOWEL BAR - EXTRA HEAVY DUTY W/ CONCEALED MOUNTING AND SNAP FLANGE	X				BOBRICK	B-530 x 24	24" LENGTH		
R11	TOILET TISSUE DISPENSER & UTILITY SHELF - SURFACE MOUNTED	X				BOBRICK	B-540	11"	3 3/4"	4"
R12	BENCH - ALUMINUM	X					77770	10"	36"	18"
R13	TRASH RECEPTACLE	X				GLARO		12" DIA		30"
R14	TRASH RECEPTACLE	X				GLARO		15" DIA		30"
R15	GRAB BAR 42 INCH	X						42"		33 - 36" AFF
R16	GRAB BAR 36 IN	X						36"		33 - 36" AFF
R17	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF	X				BOBRICK	B-292 2948 27 x 48"	27"	48"	5" SHELF
R18	HAT AND COAT HOOK - SURFACE MOUNTED	X				BOBRICK	B-6827	6 1/2"	1" WIDE	3 1/16" FROM FINISH FACE WALL

WALL TYPES

M2A 5/8" GYPSUM WALLBOARD TYPE X (ONE SIDE) ON 2 ½" METAL FRAMING (ONE SIDE), ON EXISTING CONCRETE MASONRY UNIT [CMU] WALL, SECURED TO EXISTING CMU. STONE WOOL BOARD INSULATION. FINISH MATERIAL: PAINT.

M2AT 1/2" CONCRETE BACKER BOARD ON 2 ½" METAL FRAMING (ONE SIDE), ON EXISTING CONCRETE MASONRY UNIT [CMU] WALL, SECURED TO EXISTING CMU. STONE WOOL BOARD INSULATION WITHIN FRAMING. FINISH MATERIAL: TILE. (TILE SYSTEM DESIGN BASED ON SCHLUTER.)

M3A 5/8" GYPSUM WALLBOARD TYPE X (BOTH SIDES) ON 3 5/8" METAL FRAMING WITH ACOUSTICAL INSULATION (STONE WOOL BATT INSULATION). FINISH: PAINT.

M3AT 1/2" CONCRETE BACKER BOARD (BOTH SIDES), ON 3 5/8" METAL FRAMING WITH ACOUSTICAL INSULATION (STONE WOOL BATT INSULATION). FINISH MATERIAL: TILE. (TILE SYSTEM DESIGN BASED ON SCHLUTER.)

M3APT 1/2" CONCRETE BACKER BOARD (RESTROOM SIDE), ON 3 5/8" METAL FRAMING WITH ACOUSTICAL INSULATION (STONE WOOL BATT INSULATION). 5/8" GYPSUM WALLBOARD TYPE X ON OTHER SIDE. PROVIDE ACOUSTICAL INSULATION (MINERAL WOOL OR STONE WOOL BATT INSULATION) WITHIN WALLS.

M6A 1/2" CONCRETE BACKER BOARD (BOTH SIDES), ON 6" METAL FRAMING WITH ACOUSTICAL INSULATION (STONE WOOL BATT INSULATION). FINISH MATERIAL: TILE.

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. TWO LOCKER/RESTROOM SPACES WILL BE RECONFIGURED TO REPAIR AND ALLOW FOR PRIVACY WITHIN SHOWER/RESTROOM AREA. REPLACEMENT OF EXISTING FIXTURES, FINISHES, AND UTILITIES WILL OCCUR. THE EXISTING FIXTURE COUNT WILL REMAIN, WHILE PROVIDING SIX PRIVATE SHOWER, LAVATORY, WATER CLOSET PODS. THE EXISTING RESTROOM / SHOWER FACILITIES ARE LOCATED WITHIN THE CENTER OF THE WEST WING OF THE B117 FACILITY. THE FIREFIGHTERS ARE ON DUTY 24/7 AND THE BUILDING IS USED DURING VARIOUS HOURS DURING THE DAY AND NIGHT.

KEYED NOTES

1. FLOOR FINISH: PROVIDE NEW CONCRETE FLOOR SLAB. PROVIDE RECESSED SLAB AT SHOWER LOCATIONS. PROVIDE TILE ON ALL FLOORS.
2. WALLS - TILE: PROVIDE NEW METAL FRAMED PARTITIONS. SECURE TO EXISTING PERIMETER CMU WALLS. PROVIDE CONCRETE BACKER BOARD (CBB) ON NEW METAL FRAME PARTITIONS AT TILE LOCATIONS. PERIMETER WALLS ON EXISTING CMU FRAMING TO ACCOMMODATE ELECTRICAL OUTLETS. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS.
3. WALLS - GWB: WALLS WITHIN ALCOVE, 123 AND CLOSET, 123B TO RECEIVE GYPSUM WALLBOARD TYPE "X" (GWB) AND A PAINT FINISH. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS. PAINT - MANUFACTURER: SHERWIN WILLIAMS; COLOR: AS PER BASE STANDARDS.
4. BASE FINISH: PROVIDE STAINLESS STEEL TRANSITION STRIP AT FLOOR TO WALL JOINTS. REFER TO TCNA HANDBOOK.
5. WALL FINISH: PROVIDE TILE ON ALL WALLS WITHIN RESTROOM/ SHOWER/ LOCKER ROOMS.
6. PLUMBING FIXTURES: NEW PLUMBING FIXTURES, LAVATORIES, TOILETS, URINALS, AND SHOWERS TO BE PROVIDED.
7. LAVATORIES: PROVIDE NEW INTEGRAL SOLID SURFACE LAVATORY UNIT WITH COUNTERTOP. PROVIDE IN WALL CARRIAGE FOR MOUNTING LAVATORY. COUNTERTOP HEIGHT TO EQUAL 2'-10". BACKSPLASH - COVE AT VERTICAL/ HORIZONTAL JOINT. REFER MECHANICAL DRAWINGS.
8. TOILET/ URINAL: PROVIDE TOILET AND URINALS. PROVIDE ABA GRAB BARS AT WOMEN'S RESTROOM 107 WITH BLOCKING WITHIN WALLS. REFER MECHANICAL DRAWINGS.
9. SHOWERS: SHOWERS TO BE CONSTRUCTED WITH PREFAB LINER WITH TILE. INSTALL NEW CONTINUOUS WATERPROOF MEMBRANE ON FLOOR, EXTENDING UP WALLS. PROVIDE NEW FLOOR TILE WITH FLOOR/WALL TRANSITION HARDWARE. PROVIDE CURBLESS TRANSITION INTO SHOWERS. INSTALL NEW WALL TILE WITHIN SHOWER/RESTROOM ON NEW WALLS. SHOWER IN 107 TO BE ABA COMPLIANT. PROVIDE GRAB BAR BLOCKING WITHIN WALLS FOR FUTURE GRAB BARS. REFER MECHANICAL DRAWINGS.
10. URINAL SCREENS: PROVIDE URINAL SCREENS. DESIGN BASED ON: MANUFACTURER: SCRANTON PRODUCTS; STYLE: ECLIPSE PARTITIONS, WALL HUNG [WHS], 24 INCH WIDE X 48 INCH HIGH, WITH WALL HUNG CONTINUOUS FLANGE [WHF]. COLOR: TEXTURED, TBD AS PER BASE STANDARDS - PROPOSED HAMMERED NICKEL.
11. RESTROOM ACCESSORIES: PROVIDE TOILET ACCESSORIES. [THIS BUILDING DOES NOT USE DRTC FOR CLEANING SERVICES.] PROVIDE FULL LENGTH MIRROR, SHOWER SHELVING, GRAB BARS, ABA STYLE BENCH, ETC.
12. LOCKERS: REINSTALL SALVAGED LOCKERS, AS PER DESIGNATED ON FLOOR PLANS.

ACCESSORY LEGEND

CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	VFCI	VENDOR FURNISHED CONTRACTOR INSTALLED
CFVI	CONTRACTOR FURNISHED VENDOR INSTALLED	VFVI	VENDOR FURNISHED VENDOR INSTALLED

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engn\Design\2010s\2019\2019002300_Support\0_3_Drawings\Model

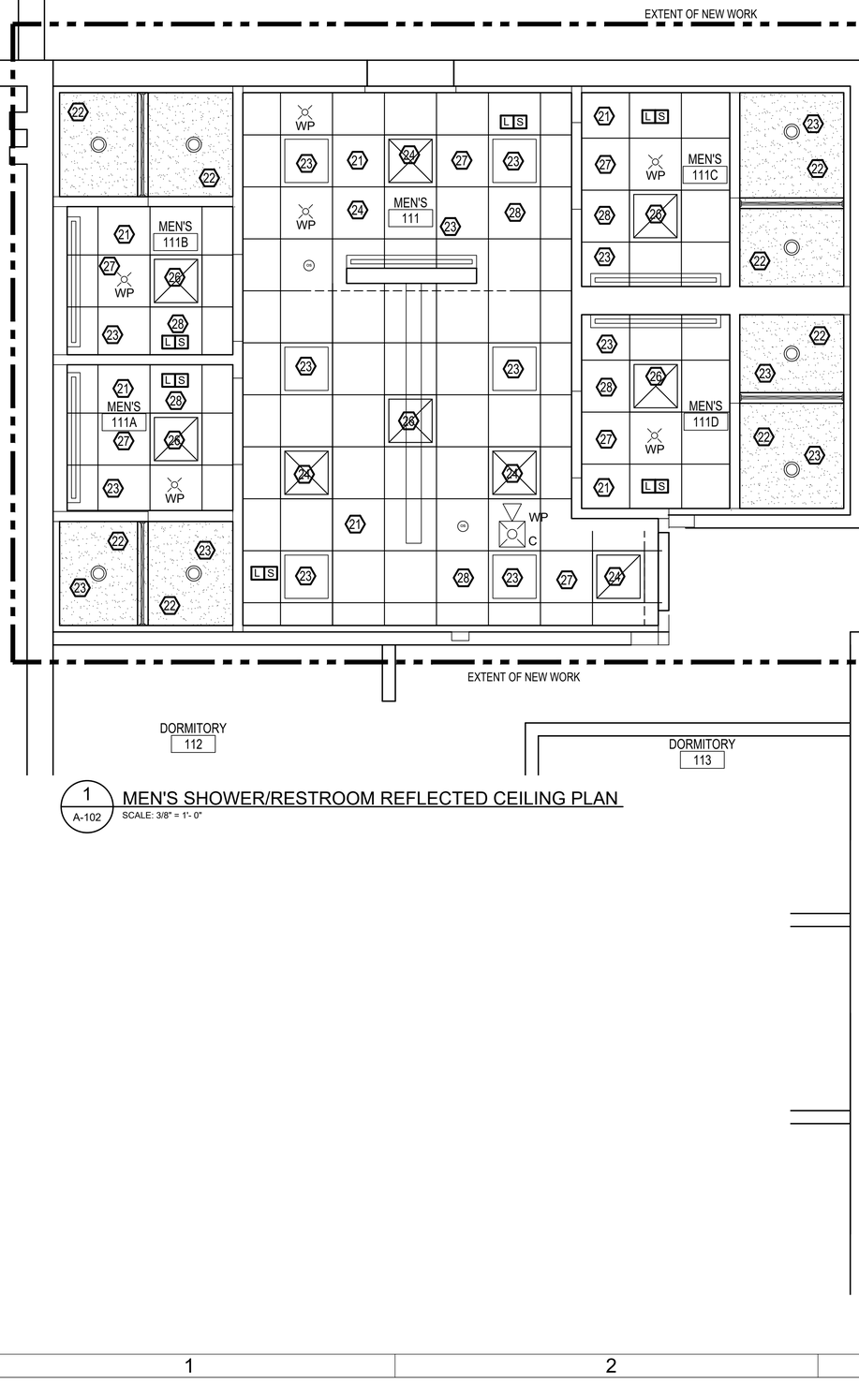
REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

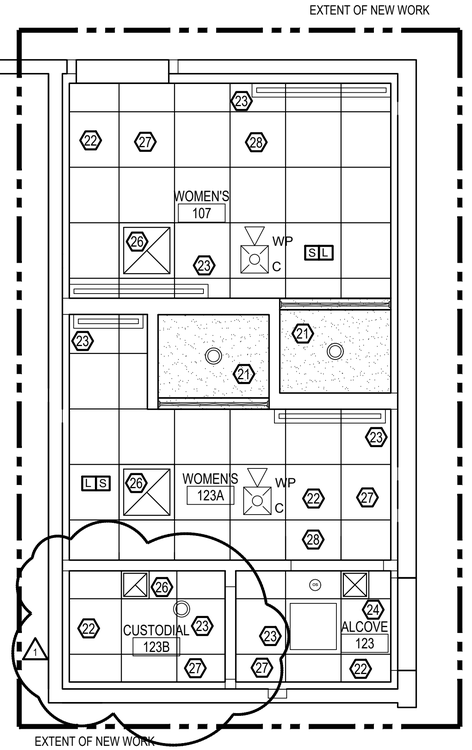
SHEET TITLE
ARCHITECTURAL NEW WORK FLOOR PLAN

SHEET NUMBER
A-101
SHEET 07 OF 28

A-101, 4/30/2026 3:05:03 PM



1 A-102 MEN'S SHOWER/RESTROOM REFLECTED CEILING PLAN
SCALE: 3/8" = 1'- 0"



2 A-102 WOMEN'S SHOWER/RESTROOM REFLECTED CEILING PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.

KEYED NOTES

21. CEILING FINISH CBB: PROVIDE CONCRETE BACKER BOARD WITHIN SHOWER AREA WITH TILE FINISH.
22. CEILING FINISH - ACT: PROVIDE MOISTURE RESISTANT ACOUSTICAL CEILING TILE SYSTEM (ACT) SUITABLE FOR SHOWERS AND WET AREAS.
23. LIGHT FIXTURE: REFER ELECTRICAL
24. SUPPLY GRILL: REFER MECHANICAL
25. RETURN GRILL: REFER MECHANICAL
26. EXHAUST GRILL: REFER MECHANICAL
27. FIRE SPRINKLER SYSTEM: REFER FIRE PROTECTION
28. OCCUPANCY SENSOR
29. DISPATCH LIGHT STACK AND SPEAKER: REFER FIRE PROTECTION

LEGEND

ACOUSTICAL CEILING TILE SYSTEM

GYPSUM BOARD CEILING

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
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35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
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REVISIONS

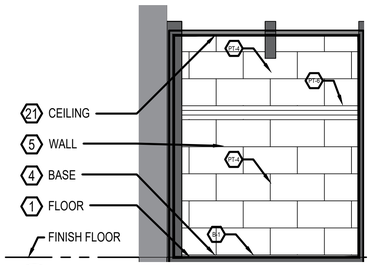
MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION:
T:\Engr\Design\2010s\2019\2019002310_Support\0_3_Drawings\Model

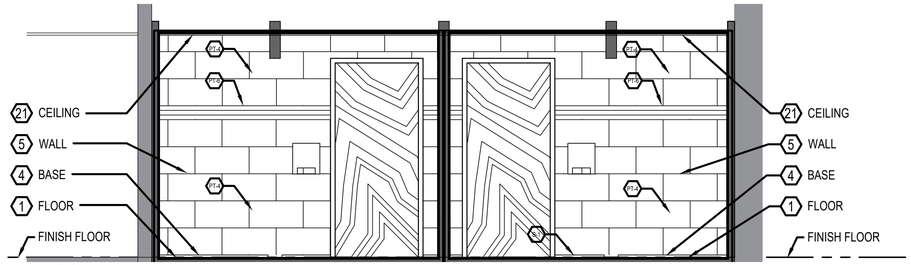
SHEET TITLE
ARCHITECTURAL
NEW WORK
REFLECTED CEILING PLAN

SHEET NUMBER
A-102
SHEET 08 OF 28

A-102, 4/30/2026 3:05:41 PM



A A-201 RM 111B ELEVATION - LOOKING NORTH
SCALE: 3/8" = 1'- 0"



B A-201 RM 111A & 111B ELEVATION - LOOKING EAST
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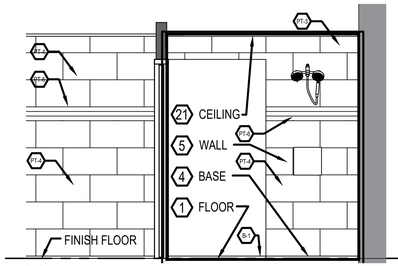

C A-201 RM 111A ELEVATION - LOOKING SOUTH
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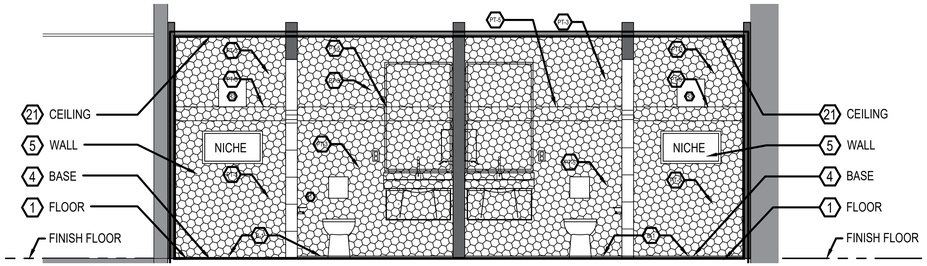

D A-201 RM 111A ELEVATION - LOOKING WEST
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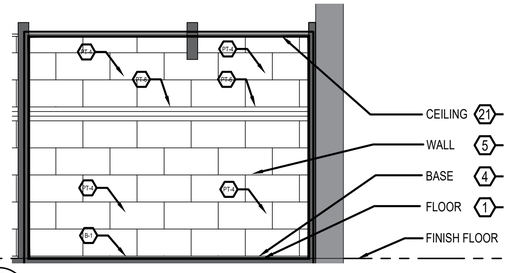

E A-201 RM 111C ELEVATION - LOOKING NORTH
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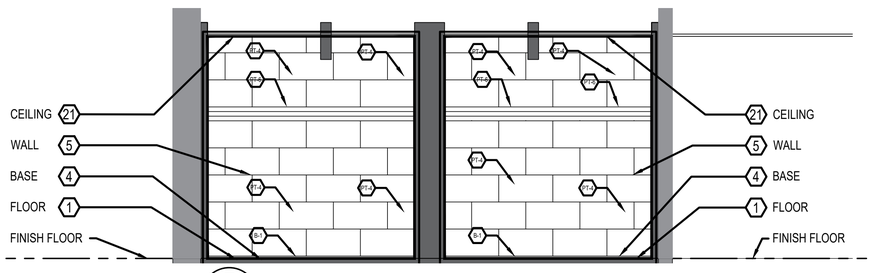

F A-201 RM 111C ELEVATION - LOOKING EAST
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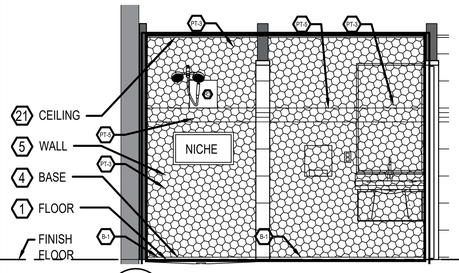
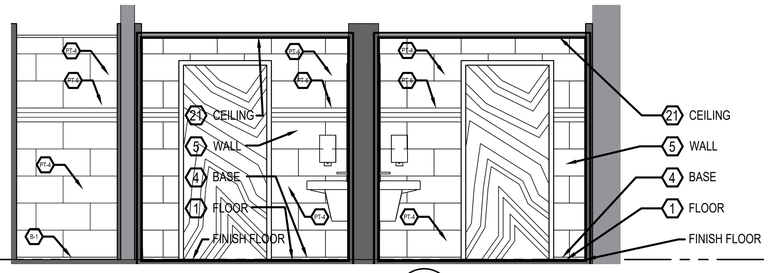


G A-201 RM 111C ELEVATION - LOOKING SOUTH
SCALE: 3/8" = 1'- 0"



H A-201 RM 111C/111D ELEVATION - LOOKING WEST
SCALE: 3/8" = 1'- 0"

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2. TWO LOCKER/RESTROOM SPACES WILL BE RECONFIGURED TO REPAIR AND ALLOW FOR PRIVACY WITHIN SHOWER/RESTROOM AREA. REPLACEMENT OF EXISTING FIXTURES, FINISHES, AND UTILITIES WILL OCCUR. THE EXISTING FIXTURE COUNT WILL REMAIN, WHILE PROVIDING SIX PRIVATE SHOWER, LAVATORY, WATER CLOSET PODS. THE EXISTING RESTROOM / SHOWER FACILITIES ARE LOCATED WITHIN THE CENTER OF THE WEST WING OF THE B117 FACILITY. THE FIREFIGHTERS ARE ON DUTY 24/7 AND THE BUILDING IS USED DURING VARIOUS HOURS DURING THE DAY AND NIGHT.
3. REFER TO MATERIAL SCHEDULE (SHEET A501) FOR DESIGN BASED MATERIAL DESIGNATION AND SIZE. HATCHING SHOWN ON ELEVATIONS AND FINISH PLANS IS TO GRAPHICALLY SHOW SCALE OF DIFFERENT TILE LOCATIONS. (EXAMPLE: 12 x 12 HATCH = 12 X 24 HATCH)

KEYED NOTES

1. FLOOR FINISH: PROVIDE NEW CONCRETE FLOOR SLAB. PROVIDE RECESSED SLAB AT SHOWER LOCATIONS. PROVIDE TILE ON ALL FLOORS.
2. WALLS - TILE: PROVIDE NEW METAL FRAMED PARTITIONS. SECURE TO EXISTING PERIMETER CMU WALLS. PROVIDE CONCRETE BACKER BOARD (CBB) ON NEW METAL FRAME PARTITIONS AT TILE LOCATIONS. PERIMETER WALLS ON EXISTING CMU FRAMING TO ACCOMMODATE ELECTRICAL OUTLETS. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS.
3. WALLS - GWB: WALLS WITHIN ALCOVE, 123 AND CLOSET, 123B TO RECEIVE GYPSUM WALLBOARD TYPE "X" (GWB) AND A PAINT FINISH. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS. PAINT - MANUFACTURER: SHERWIN WILLIAMS; COLOR: AS PER BASE STANDARDS.
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5. WALL FINISH: PROVIDE TILE ON ALL WALLS WITHIN RESTROOM/ SHOWER/ LOCKER ROOMS.
6. PLUMBING FIXTURES: NEW PLUMBING FIXTURES, LAVATORIES, TOILETS, URINALS, AND SHOWERS TO BE PROVIDED.
7. LAVATORIES: PROVIDE NEW INTEGRAL SOLID SURFACE LAVATORY UNIT WITH COUNTERTOP. PROVIDE IN WALL CARRIAGE FOR MOUNTING LAVATORY. COUNTERTOP HEIGHT TO EQUAL 2'-10". BACKSPLASH - COVE AT VERTICAL/ HORIZONTAL JOINT. REFER MECHANICAL DRAWINGS.
8. TOILET/ URINAL: PROVIDE TOILET AND URINALS. PROVIDE ABA GRAB BARS AT WOMEN'S RESTROOM 107 WITH BLOCKING WITHIN WALLS. REFER MECHANICAL DRAWINGS.
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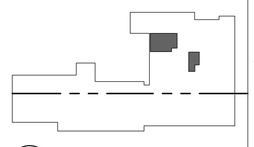
12. LOCKERS: REINSTALL SALVAGED LOCKERS, AS PER DESIGNATED ON FLOOR PLANS.



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\2019002310_Support\0_3_Drawings\Model

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A-201
SHEET 09 OF 28

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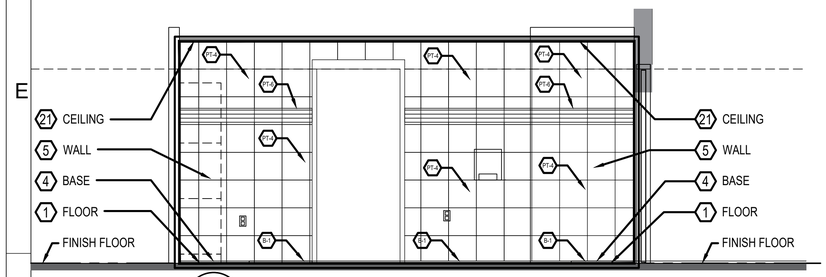

A A-202 RM 111 ELEVATION - LOOKING NORTH
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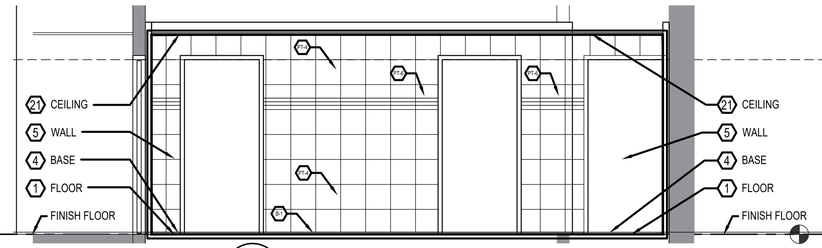

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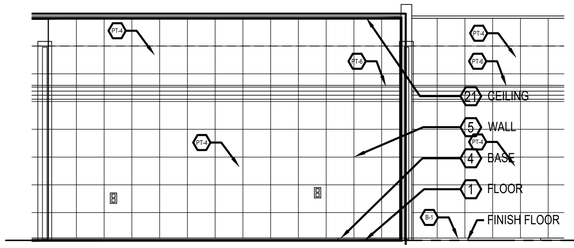

C A-202 RM 111 ELEVATION - LOOKING SOUTH
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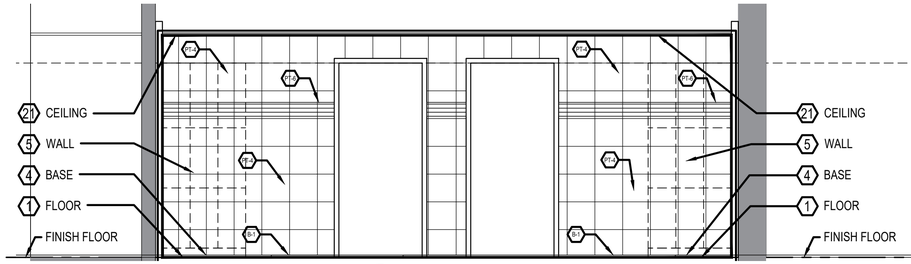

D A-202 RM 111 ELEVATION - LOOKING WEST
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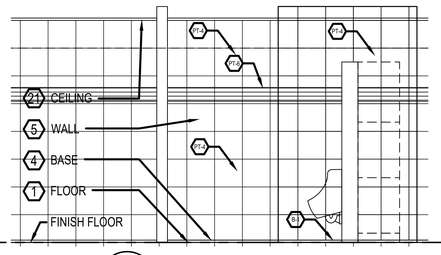

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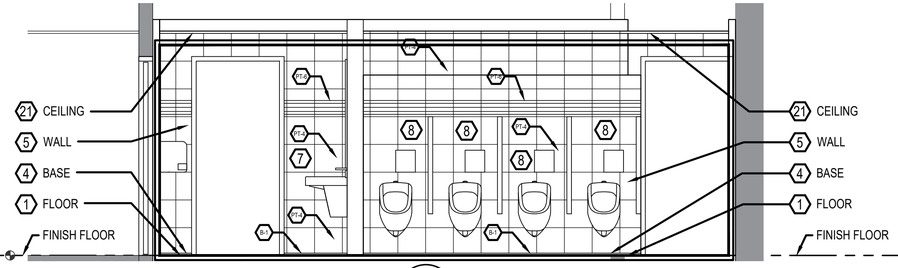

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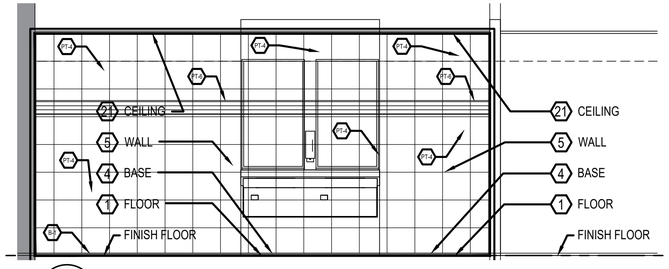

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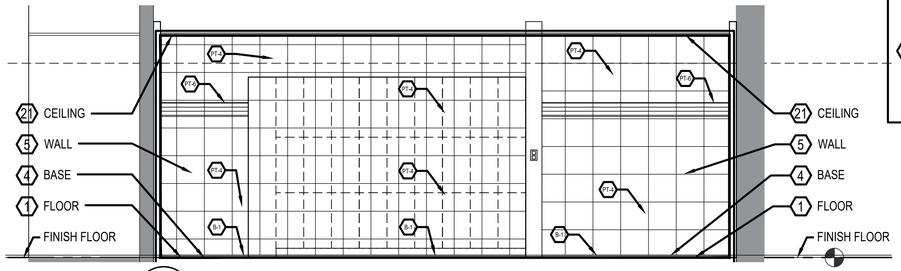

H A-202 RM 111 ELEVATION - PARTIAL
SCALE: 3/8" = 1'- 0" [LOOKING WEST]

GENERAL NOTES

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2. TWO LOCKER/RESTROOM SPACES WILL BE RECONFIGURED TO REPAIR AND ALLOW FOR PRIVACY WITHIN SHOWER/RESTROOM AREA. REPLACEMENT OF EXISTING FIXTURES, FINISHES, AND UTILITIES WILL OCCUR. THE EXISTING FIXTURE COUNT WILL REMAIN, WHILE PROVIDING SIX PRIVATE SHOWER, LAVATORY, WATER CLOSET PODS. THE EXISTING RESTROOM / SHOWER FACILITIES ARE LOCATED WITHIN THE CENTER OF THE WEST WING OF THE B117 FACILITY. THE FIREFIGHTERS ARE ON DUTY 24/7 AND THE BUILDING IS USED DURING VARIOUS HOURS DURING THE DAY AND NIGHT.
3. REFER TO MATERIAL SCHEDULE (SHEET A501) FOR DESIGN BASED MATERIAL DESIGNATION AND SIZE. HATCHING SHOWN ON ELEVATIONS AND FINISH PLANS IS TO GRAPHICALLY SHOW SCALE OF DIFFERENT TILE LOCATIONS. (EXAMPLE: 12 x 12 HATCH = 12 X 24 HATCH)

KEYED NOTES

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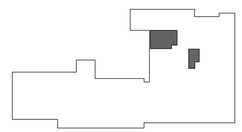

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PROJECT INFORMATION
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RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\2019002310_Support\0_3_Drawings\Model

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A-202
SHEET 10 OF 28

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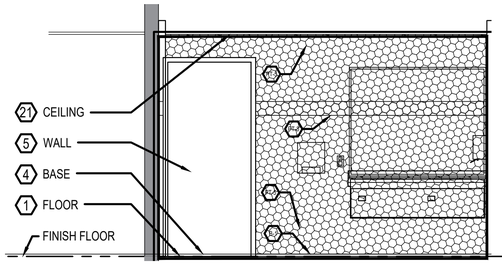

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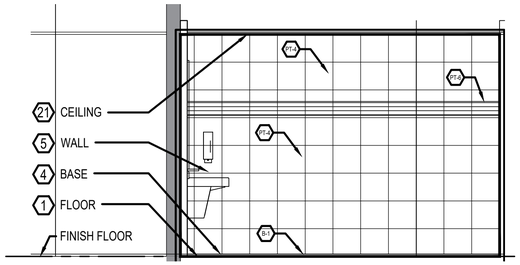

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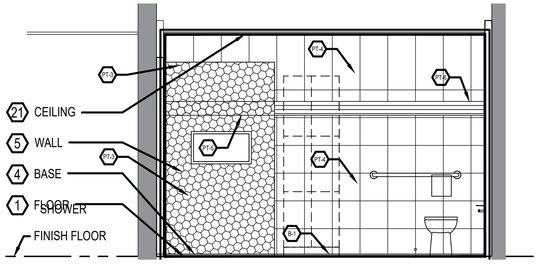

C A-203 RM 107 ELEVATION - LOOKING SOUTH
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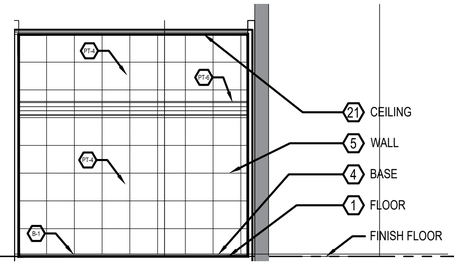

D A-203 RM 107 ELEVATION - LOOKING WEST
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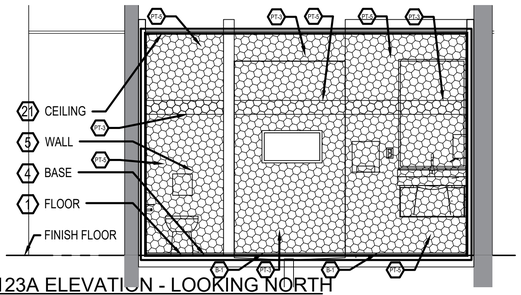

E A-203 RM 123A ELEVATION - LOOKING NORTH
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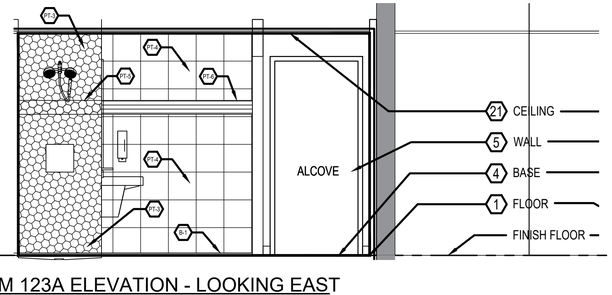

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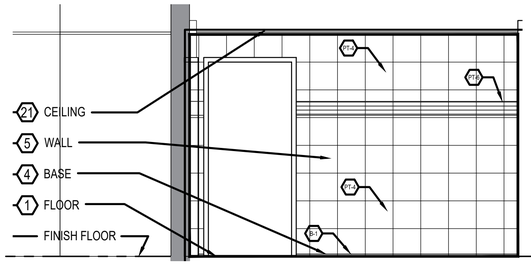

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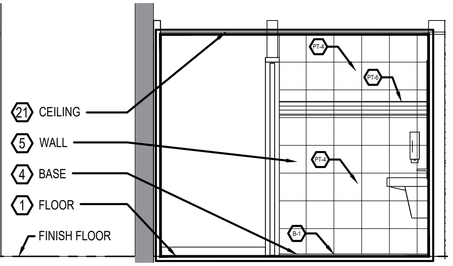

H A-203 RM 123A ELEVATION - LOOKING WEST
SCALE: 3/8" = 1'- 0"

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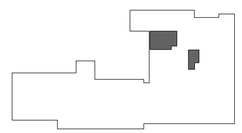

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REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\2019002310_Support\0_3_Drawings\Model

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A-203

SHEET 11 OF 28

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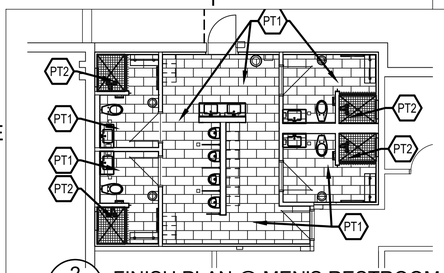
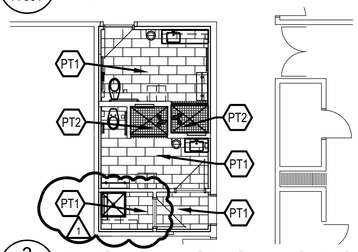


2 A-501 FINISH PLAN @ MEN'S RESTROOM
SCALE: 1/8" = 1'- 0"



3 A-501 FINISH PLAN @ WOMEN'S RESTROOM
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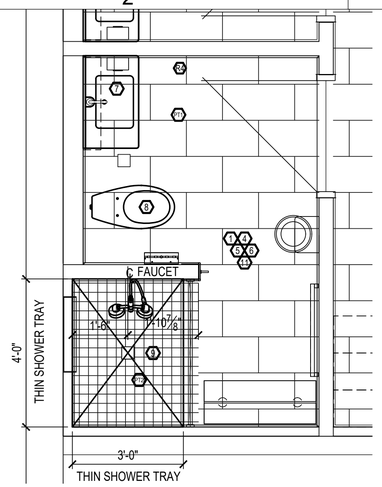


1 A-501 ENLARGED PLAN @ TYPICAL RESTROOM POD
SCALE: 1/2" = 1'- 0"

RESTROOM ACCESSORIES LEGEND		
R1	R1	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF
R2	R2	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF
R3	R3	MIRROR - FRAMELESS STAINLESS STEEL
R4	R4	PAPER TOWEL DISPENSER - ENMOTION - BLACK FLEX MINI - 9.5" x 13.23" SHEET
R5	R5	SANITARY DISPOSAL - SURFACE MOUNTED
R6	R6	SANITARY DISPOSAL - BAG DISPENSER
R7	R7	SHOWER CURTAIN - VINYL
R8	R8	SHOWER CURTAIN ROD - EXTRA-HEAVY -DUTY CLASSIC SERIES
R9	R9	SOAP DISPENSER - SURFACE-MOUNTED AUTOMATED TOUCHLESS SOAP & SANITIZER DISPENSER - PACIFIC BLUE ULTRA
R10	R10	TOWEL BAR - EXTRA HEAVY DUTY W/ CONCEALE MOUNTING AND SNAP FLANGE
R11	R11	TOILET TISSUE DISPENSER & UTILITY SHELF - SURFACE MOUNTED
R12	R12	BENCH - ALUMINUM
R13	R13	TRASH RECEPTACLE
R14	R14	TRASH RECEPTACLE
R15	R15	GRAB BAR 42 INCH
R16	R16	GRAB BAR 36 IN
R17	R17	MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF
R18	R18	HAT AND COAT HOOK - SURFACE MOUNTED

TILE NOTES

TILE MATERIALS, ACCESSORIES, AND INSTALLATION REQUIRED TO FOLLOW TINKER BASE STANDARDS, UFGS SPECIFICATIONS, AND THE FOLLOWING:

1. DESIGN BASED ON SCHLUTER SYSTEMS; SCHLUTER KERDI DRAIN WITH RECESSED SLAB; CONCRETE BACKER BOARD [K-SHBF - KERDI-BOARD] AT WALLS, KERDI-BAND WATERPROOFING STRIP, KERDI-SHOWER-TT SHOWER TRAY 36" x 48"' x 1" DITRA-XL UNCOUPLING MEMBRANE, ON CONCRETE SUBFLOOR.
2. PREFABRICATED SUBSTRATES - SCHLUTER DESIGN-NICHE, PREFABRICATED NICHE. 12" x 24" x 4"; WATERPROOF AND READY TO INSTALL. WITH SYSTEM COMPONENTS.
3. TRANSITION BASE - SCHLUTER DILEX-HKW, INSIDE CORNER, OUTSIDE CORNER, AND END CAP.
4. SHOWER SYSTEM TO INCLUDE:
   - 4.1. CONCRETE SLAB W/ DEPRESSION FOR CURBLESS SHOWER RECEPTOR
   - 4.2. PORCELAIN TILE
   - 4.3. STEEL STUDS
   - 4.4. MORTAR BED, SLOPE ¼" PER FOOT TO DRAIN, REMOVE MORTAR AROUND DRAIN FOR WATERPROOFING [OR NOTE 1 - ACCEPTABLE)
   - 4.5. MORTAR BACKFILL AFTER WATERPROOFING
   - 4.6. CEMENTITIOUS BOND COAT
   - 4.7. CEMENT BACKER BOARD
   - 4.8. TWO-STAGE DRAIN ASSEMBLY
   - 4.9. CLAMPING RING
   - 4.10. WEEP PROTECTION
   - 4.11. VAPOR RETARDER
   - 4.12. TOPICAL WATERPROOFING MEMBRANE, LIQUID APPLIED
   - 4.13. FIBERGLASS MESH TAPE AT BACKER BOARD SEAMS, EMBED IN THINSET MORTAR
   - 4.14. SEALANT AT DRAIN COLLAR AS REQUIRED.

GENERAL NOTES

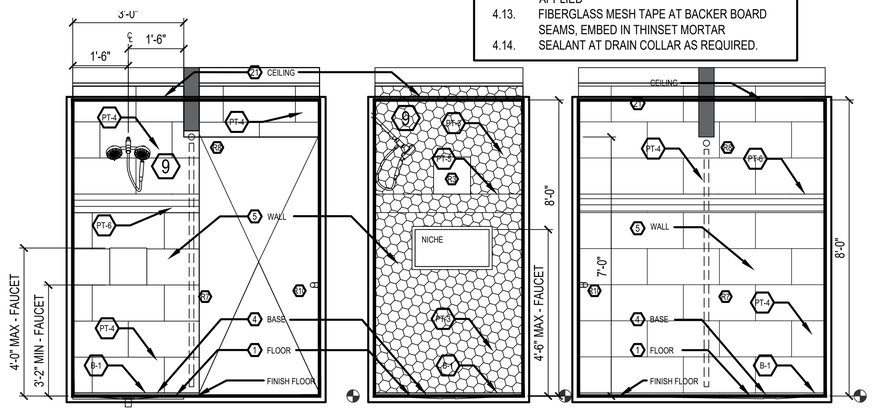
1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. TWO LOCKER/RESTROOM SPACES WILL BE RECONFIGURED TO REPAIR AND ALLOW FOR PRIVACY WITHIN SHOWER/RESTROOM AREA. REPLACEMENT OF EXISTING FIXTURES, FINISHES, AND UTILITIES WILL OCCUR. THE EXISTING FIXTURE COUNT WILL REMAIN, WHILE PROVIDING SIX PRIVATE SHOWER, LAVATORY, WATER CLOSET PODS. THE EXISTING RESTROOM / SHOWER FACILITIES ARE LOCATED WITHIN THE CENTER OF THE WEST WING OF THE B117 FACILITY. THE FIREFIGHTERS ARE ON DUTY 24/7 AND THE BUILDING IS USED DURING VARIOUS HOURS DURING THE DAY AND NIGHT.
3. REFER TO MATERIAL SCHEDULE (SHEET A501) FOR DESIGN BASED MATERIAL DESIGNATION AND SIZE. HATCHING SHOWN ON ELEVATIONS AND FINISH PLANS IS TO GRAPHICALLY SHOW SCALE OF DIFFERENT TILE LOCATIONS. (EXAMPLE: 12 x 12 HATCH = 12 X 24 HATCH)

KEYED NOTES

1. FLOOR FINISH: PROVIDE NEW CONCRETE FLOOR SLAB. PROVIDE RECESSED SLAB AT SHOWER LOCATIONS. PROVIDE TILE ON ALL FLOORS.
2. WALLS - TILE: PROVIDE NEW METAL FRAMED PARTITIONS. SECURE TO EXISTING PERIMETER CMU WALLS. PROVIDE CONCRETE BACKER BOARD (CBB) ON NEW METAL FRAME PARTITIONS AT TILE LOCATIONS. PERIMETER WALLS ON EXISTING CMU FRAMING TO ACCOMMODATE ELECTRICAL OUTLETS. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS.
3. WALLS - GWB: WALLS WITHIN ALCOVE, 123 AND CLOSET, 123B TO RECEIVE GYPSUM WALLBOARD TYPE "X" (GWB) AND A PAINT FINISH. PARTITIONS TO RECEIVE MOISTURE RESISTANT ACOUSTICAL BATT STONE WOOL INSULATION, SUITABLE FOR WET AREAS. PAINT - MANUFACTURER: SHERWIN WILLIAMS; COLOR: AS PER BASE STANDARDS.
4. BASE FINISH: PROVIDE STAINLESS STEEL TRANSITION STRIP AT FLOOR TO WALL JOINTS. REFER TO TCNA HANDBOOK.
5. WALL FINISH: PROVIDE TILE ON ALL WALLS WITHIN RESTROOM/ SHOWER/ LOCKER ROOMS.
6. PLUMBING FIXTURES: NEW PLUMBING FIXTURES, LAVATORIES, TOILETS, URINALS, AND SHOWERS TO BE PROVIDED.
7. LAVATORIES: PROVIDE NEW INTEGRAL SOLID SURFACE LAVATORY UNIT WITH COUNTERTOP. PROVIDE IN WALL CARRIAGE FOR MOUNTING LAVATORY. COUNTERTOP HEIGHT TO EQUAL 2'-10". BACKSPLASH - COVE AT VERTICAL/ HORIZONTAL JOINT. REFER MECHANICAL DRAWINGS.
8. TOILET/ URINAL: PROVIDE TOILET AND URINALS. PROVIDE ABA GRAB BARS AT WOMEN'S RESTROOM 107 WITH BLOCKING WITHIN WALLS. REFER MECHANICAL DRAWINGS.
9. SHOWERS: SHOWERS TO BE CONSTRUCTED WITH PREFAB LINER WITH TILE. INSTALL NEW CONTINUOUS WATERPROOF MEMBRANE ON FLOOR, EXTENDING UP WALLS. PROVIDE NEW FLOOR TILE WITH FLOOR/WALL TRANSITION HARDWARE. PROVIDE CURBLESS TRANSITION INTO SHOWERS. INSTALL NEW WALL TILE WITHIN SHOWER/RESTROOM ON NEW WALLS. SHOWER IN 107 TO BE ABA COMPLIANT. PROVIDE GRAB BAR BLOCKING WITHIN WALLS FOR FUTURE GRAB BARS. REFER MECHANICAL DRAWINGS.
10. URINAL SCREENS: PROVIDE URINAL SCREENS. DESIGN BASED ON: MANUFACTURER: SCRANTON PRODUCTS; STYLE: ECLIPSE PARTITIONS, WALL HUNG [WHS], 24 INCH WIDE X 48 INCH HIGH, WITH WALL HUNG CONTINUOUS FLANGE [WHF]. COLOR: TEXTURED, TBD AS PER BASE STANDARDS - PROPOSED HAMMERED NICKEL.
11. RESTROOM ACCESSORIES: PROVIDE TOILET ACCESSORIES. [THIS BUILDING DOES NOT USE DRTC FOR CLEANING SERVICES.] PROVIDE FULL LENGTH MIRROR, SHOWER SHELVING, GRAB BARS, ABA STYLE BENCH, ETC.
12. LOCKERS: REINSTALL SALVAGED LOCKERS, AS PER DESIGNATED ON FLOOR PLANS.

MATERIAL SCHEDULE

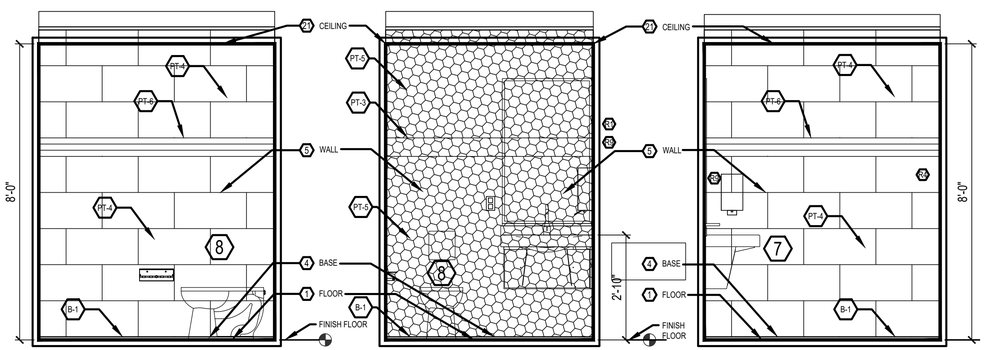
MATERIAL KEY	MATERIAL	MANUFACTURER	MODEL NO / NAME	SIZE	COLOR	REMARKS
FLOOR						
PT-1	PORCELAIN TILE - FLOOR	CROSSVILLE	OWEN STONE, PORCELAIN STONE	12 x 24; 9.5 MM THICKNESS	OST04 MITTENS	DCOF: 0.50 - 0.60 - ANSI A 326.3; UPS (UNPOLISHED)
PT-2	PORCELAIN TILE - SHOWER	CROSSVILLE	OWEN STONE, PORCELAIN STONE	2 x 2 MOSAIC; 9.5 MM THICKNESS	OST04 MITTENS	DCOF: 0.50 - 0.60 - ANSI A 326.3; UPS (UNPOLISHED)
BASE						
B-1	TILE COVE SHAPED TRANSITION	SCHLUTER	4.12 SCHLUTER-DILEX-HKW	7/16" x 7/16"	G GREY	
B-2	RUBBER WALL BASE	ROPPE	PINNACLE (TS); TRADITIONAL COVE	4 INCH	193 BLACK BROWN	COVE OUTSIDE & INSIDE CORNERS; MANUFACTURER RECOMMENDED ADHESIVES
WALL MATERIAL						
CBU	CEMENTITIOUS BACKER UNIT - SOLID BACKING	USG DUROCK BRAND	CEMENT BOARD WITH EDGEGUARD	48" x 96" x 1/2" & 36" x 96" x 1/2"		
GWB	GYPSUM WALL BOARD	AS PER BASE STANDARDS	TYPE "X" MOISTURE RESISTANT	5/8" THICK		DESIGNATED WALLS AND CEILING
WALL FINISH						
PNT-1	PAINT - GWB	SHERWIN WILLIAMS	EGGSHELL		TBD - AS PER BASE STANDARDS	
PNT-2	PAINT - GYP BD CEILING	SHERWIN WILLIAMS	ACRYLIC ENAMEL SATIN		TBD - AS PER BASE STANDARDS	
PNT-3	PAINT - HM FRAME	SHERWIN WILLIAMS	ACRYLIC ENAMEL SATIN		TBD - AS PER BASE STANDARDS	
PT-3	PORCELAIN TILE	CROSSVILLE	NATIVE METAL PORCELAIN STONE	HEX MOSAIC (259 x 270) x 9.5 MM	NVM01.1HEXUMOS NOBLE PLATINUM HEX MOSAIC	
PT-4	PORCELAIN TILE	CROSSVILLE	NATIVE METAL PORCELAIN STONE	12 X 24 x 9.5 MM	NVM02 NICKLE PLATE	
PT-5	PORCELAIN TILE	CROSSVILLE	NATIVE METAL PORCELAIN STONE	HEX MOSAIC (259 x 270) x 9.5 MM	NVM05.1HEXUMOS COBALT ORE HEX MOSAIC	
PT-6	PORCELAIN TILE	CROSSVILLE	NATIVE METAL PORCELAIN STONE	2 X 12 PERFORATED DECO x 9.5 MM	NVMRB.10212PER RUBBED BRONZE	
CEILING						
ACT-1	ACOUSTICAL CEILING TILE - SQUARE LAY-IN MEDIUM TEXTURE	ARMSTRONG	607 - 'CERAMAGUARD, FINE FISSURED, PERFORATED; HUMIGUARD; ANTI-MOLD/MILDEW	24 x 24 x 5/8"	WHITE (WH)	NRC: .55 + CAD: 38; LIGHT REFLECTANCE: 0.79; RECYCLED CONTENT; DURABLE - WASHABLE, SOIL RESISTANT
ACT-SS	ACOUSTICAL CEILING TILE SUSPENSION SYSTEM	ARMSTRONG	PRELUDE PLUS XL	15/16"	WHITE (WH)	



A A-501 SIDE ELEVATION
SCALE: 1/2" = 1'- 0" @ SHOWER HEAD

B A-501 ELEVATION
SCALE: 1/2" = 1'- 0" @ REAR

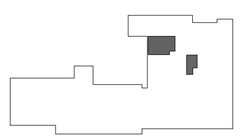
C A-501 SIDE ELEVATION
SCALE: 1/2" = 1'- 0"



D A-501 SIDE ELEVATION
SCALE: 3/4" = 1'- 0" W/ TOILET

E A-501 ELEVATION
SCALE: 3/4" = 1'- 0" @ LAVATORY & TOILET

F A-501 SIDE ELEVATION
SCALE: 3/4" = 1'- 0" W/ LAVATORY



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

SHEET TITLE
TYPICAL ENLARGED PLANS & ELEVATIONS AND MATERIAL SCHEDULE

SHEET NUMBER
A-501
SHEET 12 OF 28

A-501, 4/30/2026 3:23:48 PM

REMARKS:

1	COVE-SHAPED PROFILE: DESIGN BASED ON - 4.12 SCHLUTER-DILEX-HKW; COLOR CODE, G GREY	
	U = 7/16"	O = 7/16" ACCESSORIES
	ACCESSORIES	OUTSIDE CORNER - A/HKW/G; INSIDE CORNER - I/HKW 2 R18, G; END CAP - E/HKW/G
2	SHOWER DRAIN SQUARE	KERDI-DRAIN, 4" x 4", STYLE - PURE, WITH INTEGRATED BONDING FLANGE PROVIDING LARGE CONTACT AREA FOR SECURE CONNECTION TO WATERPROOFING MEMEBRANE AT TOP OF ASSEMBLY
3	TILE FLOOR MEMBRANE	TILE FLOOR MEMBRANE: DESIGN BASED ON SCHLUTER DITRA MEMBRANE ABILITY TO ALLOW SUBFLOOR TO MOVE INDEPENDENTLY [ELIMINATE MOVEMENT STRESSES & PREVENT CRACKING AND DELAMINATING OF TILED SURFACE.], WATERPROOF PROTECTION, VAPOR CONTROL, AND HEAVY LOAD SUPPORT.
4	SHOWER TRAY	THIN TILE TRAY: DESIGN BASED ON SCHLUTER, KERDI-SHOWER-TT, FOR CURBLESS SHOWER; 36" x 48" x 1"
5	SOLID BACKING - TILE WALL	CEMENTITIOUS BACKER UNIT [CBU]: DESIGN BASED ON USG CEMENT BOARD WITH EDGE GUARD
6	FINISHING & EDGE PROTECTION PROFILE	FINISHING & EDGE-PROTECTION PROFILE FOR WALLS; SCHLUTER-RONDEC, FOR TILED EDGES AND OUTSIDE CORNERS; FINISH: BRUSHED STAINLESS STEEL 304 (EB); PROFILE: 1/2" RO 125 EB; OUTSIDE CORNER: EV/RO 125 EB; END CAP: EK/RO 125 EB; DESIGN BASED ON SCHLUTER KERDI-BOARD-ZC; BRUSHED STAINLESS STEEL WITH ANCHORING LEG FOR END WALLS.
7	TILE FLOOR	REFER MATERIAL SCHEDULE, SHEET A-501
8	TILE SHOWER	REFER MATERIAL SCHEDULE, SHEET A-501
9	RUBBER BASE	MATERIAL: RUBBER BASE; MANUFACTURER: ROPPE; COLOR: BLACK BROWN, 193
10	WOOD VENEER DOORS [SCLC-5]	; CORE - STRUCTURAL COMPOSITE LUMBER CORE [SCLC]
		FACES - WOOD VENEER FACE WITH MATCHING HARDWOOD STILE EDGE; STAIN, NATURAL BIRCH - CLEAR CL18; [SELECT WHITE FACE VENEER] WITH ANTI-MICROBIAL COATING
		CROSSBANDS - HIGH DENSITY FIBERBOARD (HBF) 20% OF DOOR CONSTRUCTION WEIGHT. PRE-CONSUMER RECYCLED MATERIAL
		FINISH - WOOD VENEER - WDMA TR-8/AWS CUSTOM GRADE, FACTORY FINISH; VENEER MATCH/ FACE ASSEMBLY - BOOK MATCH STANDARD WITH FACE ASSEMBLY RUNNING MATCH STANDARD, CENTERED
		ADHESIVE - TYPE 1 ADHESIVE
		FACTORY MACHINING - PRE-DRILLED HINGE PILOT HOLDS, ALL MORTISE CUTOUTS FACTORY MADE FROM HARDWARE MANUFACTURER TEMPLATES & APPROVED SHOP DRAWINGS
		QUALITY STANDARDS - WDMA 1.S.1-A & AWS, SECTION 9 QUALITY STANDARDS (BONDED CORE); WDMA PERFORMANCE LEVEL - EXTRA HEAVY DUTY
		SUSTAINABILITY
		LIMITED LIFE TIME WARRANTY
11	URINAL PARTITIONS	MANUFACTURER: SCRANTON; COLOR: STAINLESS HAMMERED; (1) 18" WIDE x 42" HIGH AT 12" ABOVE FINISH FLOOR; (3) 24" WIDE x 42" HIGH AT 12" ABOVE FINISH FLOOR; SECURE WITH MINIMUM 3 WALL MOUNTED BRACKETS; SOLID HDPE PANELS.
12	PAINT	FINISH: EGGSHELL; MANUFACTURER: SHERWIN WILLIAMS; COLOR: TBD AS PER BASE STANDARDS
13	PAINT	FINISH: ACRYLIC ENAMEL SATIN; MANUFACTURER: SHERWIN WILLIAMS; COLOR: TBD AS PER BASE STANDARDS
14	TILE - WALL	REFER MATERIAL SCHEDULE, SHEET A-501

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	SIZE			DOOR			HARDWARE SET	FRAME		DETAILS			REMARKS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	GRILLE	FIRE RATING		FRAME TYPE	FRAME MATERIAL	HEAD	JAMB	THRESHOLD	
E107	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	E TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	1, 5
E107A	-	3'	7'	1 3/4"	SC WOOD	N/A	N/A	RESTROOM	E TYPE 1	HOLLOW METAL	--	--	--	3
E111A	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	RESTROOM	E TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	1, 5
E111B	-	3'	7'	1 3/4"	SC WOOD	N/A	N/A	RESTROOM	E TYPE 1	HOLLOW METAL	--	--	--	3
E111C	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	RESTROOM	E TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	1, 5
E123	CASED OPENING	3'	7'	1 3/4"	SC WOOD	N/A	N/A	-	E TYPE 1	HOLLOW METAL	--	--	3/A601	2, 5
111A	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6
111B	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6
111C	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6
111D	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6
123A	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	PRIVACY	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6
123B	A	3'	7'	1 3/4"	SC WOOD	N/A	N/A	STORAGE	TYPE 1	HOLLOW METAL	1/A601	2/A601	3/A601	6

DOOR SCHEDULE REMARKS

REMARK NO.	REMARK
1	EXISTING DOOR & FRAME WITHIN EXISTING CMU WALL - DEMO EXISTING DOOR & FRAME IN ITS ENTIRETY - PROVIDE NEW DOOR AND FRAME WITHIN NEW WALL.
2	EXISTING DOOR AND FRAME - REMOVE EXISTING DOOR - HOLLOW METAL FRAME TO REMAIN. PATCH, PRIME, PAINT EXISTING HOLLOW METAL FRAME - CASED OPENING
3	DEMO EXISTING DOOR & FRAME IN ITS ENTIRETY. PATCH AND REPAIR REMAINING EXISTING WALL - WITHIN EXISTING CMU WALL.
4	REFER ROOM FINISH REMARK NO. 10 FOR NEW DOOR FINISHES & MATERIAL
5	FLOOR TRANSITION STRIP FROM NEW TILE TO EXISTING VCT
6	FLOOR TRANSITION FROM NEW TILE TO NEW TILE

ROOM FINISH SCHEDULE

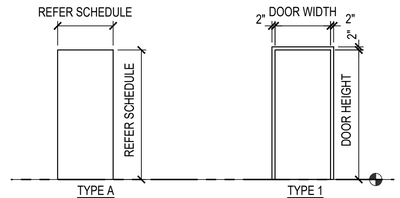
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL MATERIAL				WALL FINISHES				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
107	RESTROOM/ SHOWER - WOMEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
111	RESTROOM/ LOCKER - MEN'S	PT-3	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT	8'-0"	1, 2, 3, 4
111A	RESTROOM SHOWER - MEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
111B	RESTROOM SHOWER - MEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
111C	RESTROOM SHOWER - MEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
111D	RESTROOM SHOWER - MEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
123	ALCOVE	PT-1	B-2	CBU	CBU	CBU	CBU	PNT-1	PNT-1	PNT-1	PNT-1	ACT	8'-0"	1
123A	RESTROOM/ SHOWER - WOMEN'S	PT-1/PT-2	B-1	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT/ GWB	8'-0"	1, 2, 3, 4
123B	CUSTODIAL CLOSET	PT-1	B-2	CBU	CBU	CBU	CBU	PT-4	PT-4	PT-4	PT-4	ACT	8'-0"	1, 2, 3, 4

ABBREVIATIONS:

ACT-1	ACOUSTICAL CEILING TILE
B-#	BASE
CBU	CEMENTITTIOUS BACKER UNIT
GWB	GYPSUM WALL BOARD
PT-#	PORCELAIN TILE
PNT-#	PAINT

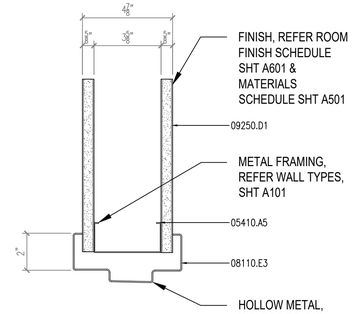
GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.



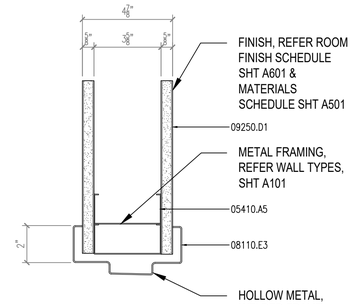
A A-601 DOOR TYPES SCALE: 1/4" = 1'- 0"

B A-601 FRAME TYPES SCALE: 1/4" = 1'- 0"



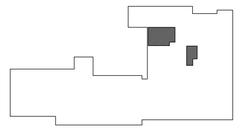
2 HEAD DETAIL 3" = 1'-0"

1 A-601 HEAD SCALE: 3" = 1'- 0"



1 JAMB DETAIL 3" = 1'-0"

2 A-601 JAMB SCALE: 3" = 1'- 0"



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

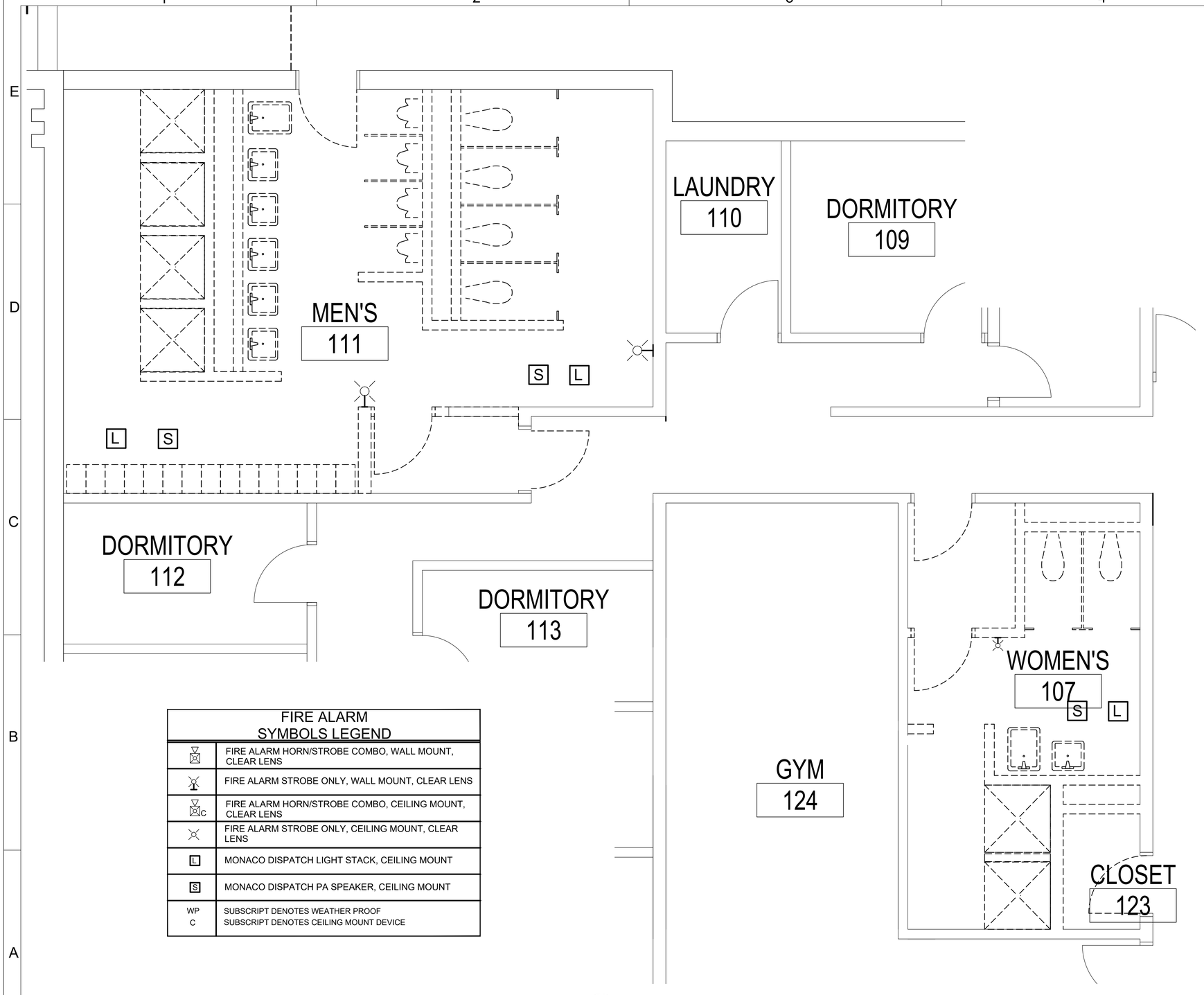
MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: T DELANEY
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

SHEET TITLE
DOOR SCHEDULE & DETAILS AND ROOM FINISH SCHEDULE

SHEET NUMBER
A-601
SHEET 13 OF 28

A-601, 4/30/2026 2:24:18 PM



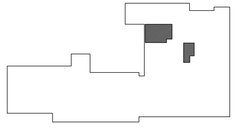
GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. INSTALL NEW CEILING MOUNTED FIRE ALARM NOTIFICATION DEVICES. NEW CONDUIT, J-BOXES, BACK BOXES, AND CABLE AS REQUIRED. CONNECT TO EXISTING FIRE ALARM NOTIFICATION CIRCUIT. INSTALL IN ACCORDANCE WITH NFPA 72, UFC 3-600-01, AND TINKER AFB FIRE PROTECTION STANDARDS.
3. REMOVE EXISTING SPRINKLER SYSTEM HEADS, ESCUTCHEONS, AND PIPE DROPS BACK TO THE BRANCH LINE AND PROVIDE TEMPORARY CAP/PLUG AS REQUIRED TO ALLOW FOR THE REMOVAL OF CEILINGS. DOCUMENT EXISTING SPRINKLER HEAD TEMPERATURE RATING, SPRINKLER HEAD ORIENTATION (PENDENT, UPRIGHT, SIDE WALL, ETC.), SPRINKLER HEAD ORIFICE, SPRINKLER DROP PIPE SIZES AND DROP LENGTH (INCLUDING FITTINGS). DISCARD SPRINKLER HEADS, ESCUTCHEONS, DROP PIPING AND FITTINGS FROM BRANCH LINES. REMOVED MATERIALS WILL NOT BE REINSTALLED.
4. REMOVE TEMPORARY CAPS AND PLUGS AND INSTALL NEW SPRINKLER PIPE DROPS, SPRINKLER HEADS AND ESCUTCHEONS AS REQUIRED. NEW SPRINKLER SHALL BE INSTALLED IN ACCORDANCE WITH DESIGN REQUIREMENT FOR LIGHT HAZARD CLASSIFICATION IN UFC 3-600-01 TABLE 9-3 SPRINKLER DESIGN DEMAND AND MINIMUM K-FACTOR AND TABLE 9-4 HOSE STREAM AND DURATION. SPRINKLERS SHALL HAVE THE SAME CHARACTERISTICS (TEMPERATURE RATING, SPRINKLER HEAD ORIENTATION, SPRINKLER HEAD ORIFICE, SPRINKLER DROP PIPE SIZES AND DROP LENGTH) AS ORIGINAL.

FIRE ALARM SYMBOLS LEGEND

	FIRE ALARM HORN/STROBE COMBO, WALL MOUNT, CLEAR LENS
	FIRE ALARM STROBE ONLY, WALL MOUNT, CLEAR LENS
C	FIRE ALARM HORN/STROBE COMBO, CEILING MOUNT, CLEAR LENS
	FIRE ALARM STROBE ONLY, CEILING MOUNT, CLEAR LENS
L	MONACO DISPATCH LIGHT STACK, CEILING MOUNT
S	MONACO DISPATCH PA SPEAKER, CEILING MOUNT
WP C	SUBSCRIPT DENOTES WEATHER PROOF SUBSCRIPT DENOTES CEILING MOUNT DEVICE

1 FD101 FIRE PROTECTION DEMOLITION PLAN
SCALE: 3/8" = 1'- 0"



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

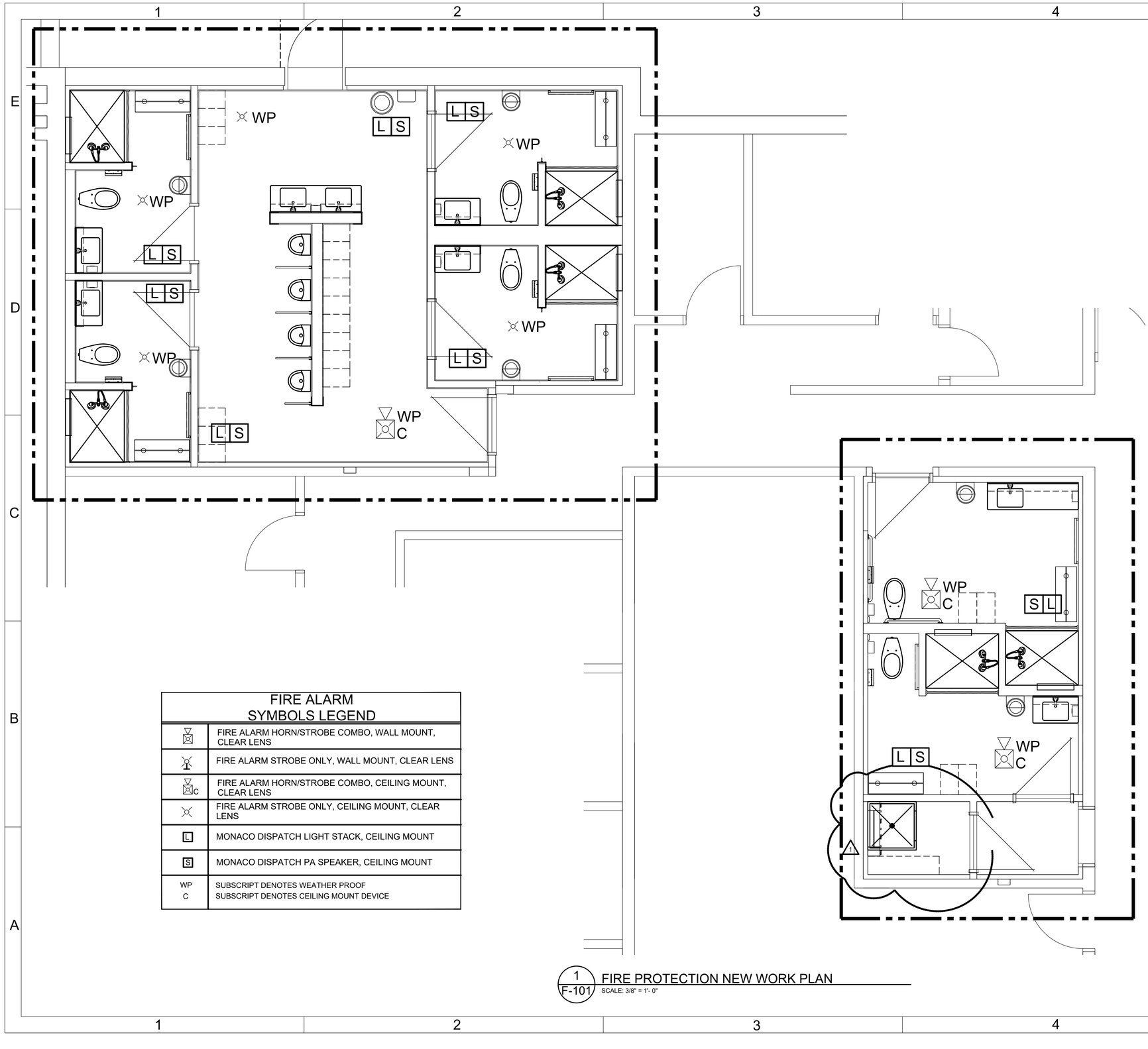
MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: A MCPHERSON
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION:
T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

SHEET TITLE
FIRE PROTECTION DEMOLITION PLAN

SHEET NUMBER
FD101
SHEET 14 OF 28

FD101, 4/8/2026 11:08:26 AM



GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. INSTALL NEW CEILING MOUNTED FIRE ALARM NOTIFICATION DEVICES. NEW CONDUIT, J-BOXES, BACK BOXES, AND CABLE AS REQUIRED. CONNECT TO EXISTING FIRE ALARM NOTIFICATION CIRCUIT. INSTALL IN ACCORDANCE WITH NFPA 72, UFC 3-600-01, AND TINKER AFB FIRE PROTECTION STANDARDS.
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FIRE ALARM SYMBOLS LEGEND

	FIRE ALARM HORN/STROBE COMBO, WALL MOUNT, CLEAR LENS
	FIRE ALARM STROBE ONLY, WALL MOUNT, CLEAR LENS
C	FIRE ALARM HORN/STROBE COMBO, CEILING MOUNT, CLEAR LENS
	FIRE ALARM STROBE ONLY, CEILING MOUNT, CLEAR LENS
L	MONACO DISPATCH LIGHT STACK, CEILING MOUNT
S	MONACO DISPATCH PA SPEAKER, CEILING MOUNT
WP C	SUBSCRIPT DENOTES WEATHER PROOF SUBSCRIPT DENOTES CEILING MOUNT DEVICE

1 / F-101 FIRE PROTECTION NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

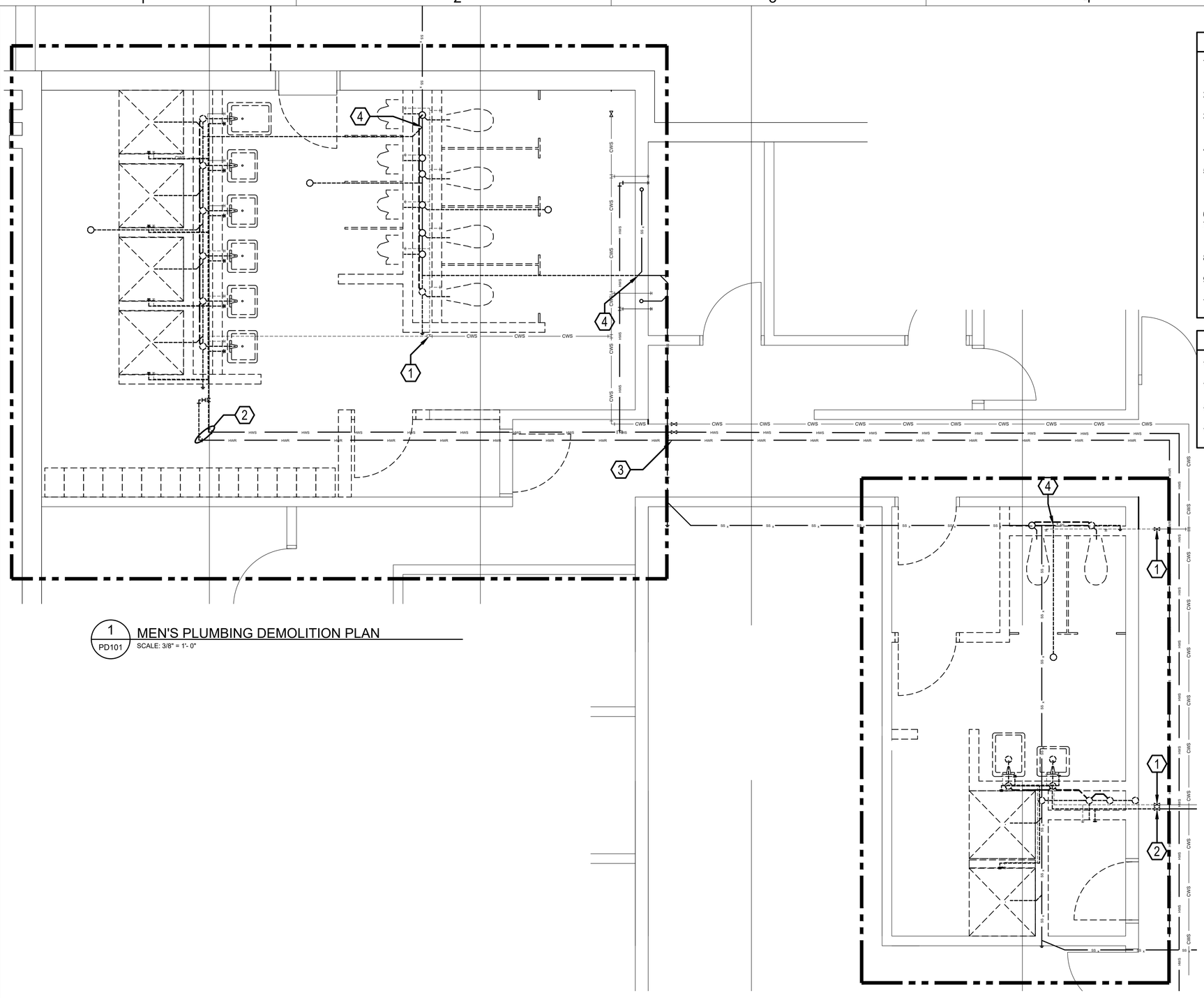
MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: A MCPHERSON
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION:
T:\Engr\Design\2010s\2019\2019002300_Support\0_3_Drawings\Model

SHEET TITLE
FIRE PROTECTION NEW WORK PLAN

SHEET NUMBER
F-101
SHEET 15 OF 28

F-101, 4/30/2026 3:55:57 PM



GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. PROVIDE AND INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE AS AMENDED BY UFC 3-420-01.
3. ALL EXISTING PLUMBING IS SHOWN LIGHT. ALL PLUMBING TO DEMOLISHED ON THE DEMO SHEETS IS SHOWN DASHED. ALL NEW PLUMBING ON THE NEW WORK SHEETS IS SHOWN AS DARK.
4. BASIS OF DESIGN PRODUCT BRANDS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE.
5. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE CONTROL DEVICES, VALVES, AND OTHER CONCEALED PLUMBING EQUIPMENT. ACCESS PANEL COORDINATED WITH INSTALLATION SHALL BE ARCHITECTURAL WORK TO MATCH MATERIALS AND FINISHES.
6. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
7. PLUMBING INSTALLATION SHALL COMPLY WITH APPLICABLE PLUMBING CODE AND THE ABA GUIDELINES FOR ACCESSIBILITY TO PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES BY INDIVIDUALS WITH DISABILITIES.
8. CLEANOUTS, VALVES, GAUGES, ETC. SHALL BE LOCATED TO MAINTAIN ACCESSIBILITY. WALL CLEANOUTS SHALL BE 18" A.F.F.
9. SANITARY SEWER PIPING SMALLER THAN 3" SHALL BE SLOPED AT 1/4" PER FOOT, 3" AND ABOVE SHALL BE SLOPED AT 1/8" PER FOOT.
10. COORDINATE INSTALLATION OF NEW WORK WITH EXISTING CONDITIONS, INCLUDING STRUCTURE

DEMOLITION KEYED NOTES

1. DEMOLISH DOMESTIC COLD WATER PIPING BACK TO THE POINT SHOWN.
2. DEMOLISH HOT WATER SUPPLY PIPING BACK TO THE POINT SHOWN.
3. INSTALL A NEW ¾" QUARTER TURN BALL ISOLATION VALVE.
4. DEMOLISH SANITARY SEWER PIPING, FLOOR DRAINS, CLEANOUTS, AND VENT SYSTEM WHERE DASHED AND TO THE POINT SHOWN.

1 / PD101 MEN'S PLUMBING DEMOLITION PLAN
SCALE: 3/8" = 1'- 0"

1 / PD101 WOMEN'S PLUMBING DEMOLITION PLAN
SCALE: 3/8" = 1'- 0"

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP:TEPA-SRM
DESIGNED BY:O GAUNA
DRAWN BY:T KISER
CHECKED BY:
DESIGN FILE LOCATION:
T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

REVISIONS

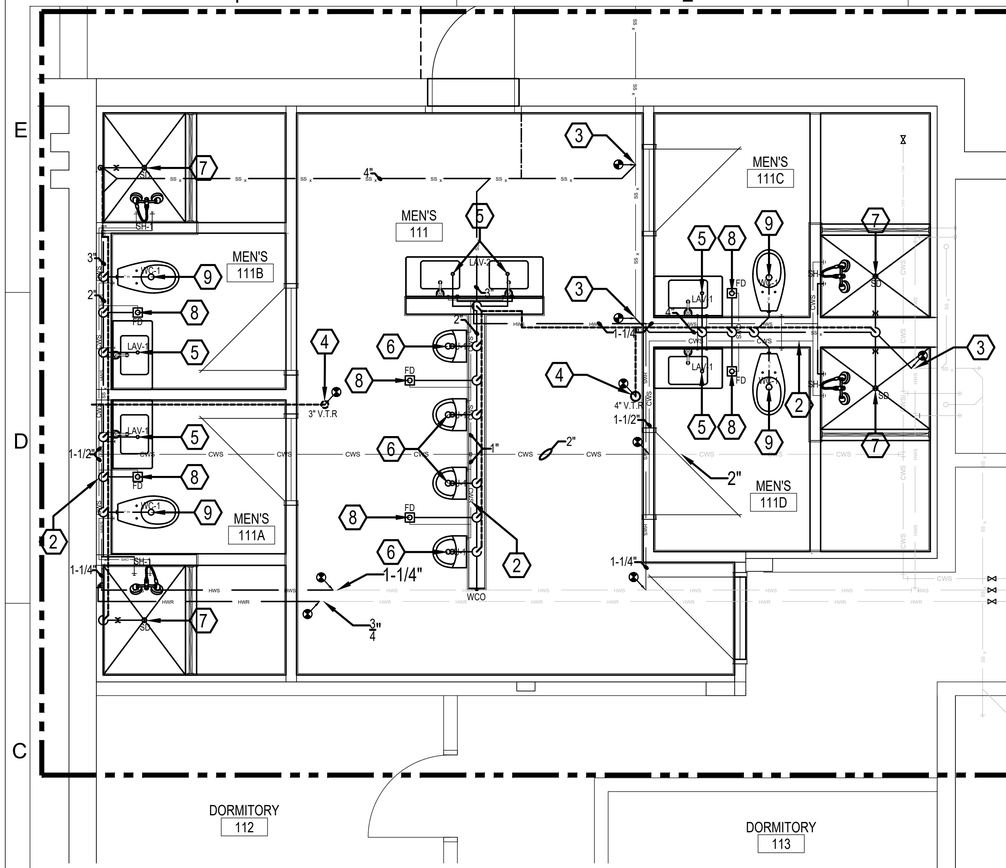
MARK	DATE	DESCRIPTION

SHEET TITLE
PLUMBING DEMOLITION PLAN

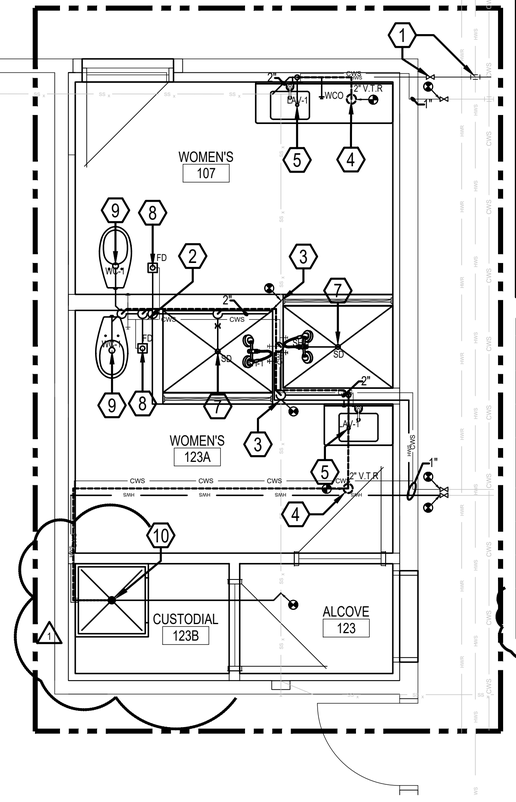
SHEET NUMBER
PD101

SHEET 16 OF 28

PD101, 4/8/2026 11:06:51 AM



1 P-101 MEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"



1 P-101 WOMEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. PROVIDE AND INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE AS AMENDED BY UFC 3-420-01.
3. ALL EXISTING PLUMBING IS SHOWN LIGHT. ALL PLUMBING TO DEMOLISHED ON THE DEMO SHEETS IS SHOWN DASHED. ALL NEW PLUMBING ON THE NEW WORK SHEETS IS SHOWN AS DARK.
4. BASIS OF DESIGN PRODUCT BRANDS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE.
5. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE CONTROL DEVICES, VALVES, AND OTHER CONCEALED PLUMBING EQUIPMENT. ACCESS PANEL COORDINATED WITH INSTALLATION SHALL BE ARCHITECTURAL WORK TO MATCH MATERIALS AND FINISHES.
6. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
7. PLUMBING INSTALLATION SHALL COMPLY WITH APPLICABLE PLUMBING CODE AND THE ABA GUIDELINES FOR ACCESSIBILITY TO PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES BY INDIVIDUALS WITH DISABILITIES.
8. CLEANOUTS, VALVES, GAUGES, ETC. SHALL BE LOCATED TO MAINTAIN ACCESSIBILITY. WALL CLEANOUTS SHALL BE 18" A.F.F.
9. SANITARY SEWER PIPING SMALLER THAN 3" SHALL BE SLOPED AT 1/4" PER FOOT, 3" AND ABOVE SHALL BE SLOPED AT 1/8" PER FOOT.
10. COORDINATE INSTALLATION OF NEW WORK WITH EXISTING CONDITIONS, INCLUDING STRUCTURE

NEW WORK KEYED NOTES

1. PROVIDE NEW 1" CONNECTION TO EXISTING HOT WATER PIPING, PROVIDE 1" BALL TYPE ISOLATION VALVE .
2. PROVIDE NEW WATER HAMMER ARRESTORS AND DOMESTIC PIPING AS SHOWN, REDUCE PIPING AS NEEDED TO MAKE FIXTURE CONNECTIONS.
3. INSTALL NEW 4" SANITARY SEWER PIPING AND CONNECT TO EXISTING 4" SANITARY SEWER PIPING
4. CONNECT NEW VENT SYSTEM TO EXISTING ROOF VENT PENETRATION.
5. PROVIDE & INSTALL NEW WALL MOUNTED LAVATORIES WITH REMOVABLE P-TRAP.
6. PROVIDE & INSTALL NEW WALL MOUNTED URINAL WITH 0.5 GPF MANUAL FLUSH VALVE.
7. PROVIDE AND INSTALL NEW SHOWER HEAD AND FAUCET.
8. PROVIDE & INSTALL NEW FLOOR DRAINS WITH TRAP PRIMER CONNECT TO NEW SANITARY SEWER.
9. PROVIDE & INSTALL NEW FLOOR MOUNTED TOILETS WITH 1.6 GPF AUTOMATIC FLUSH VALVE.
10. PROVIDE AND INSTALL NEW MOP SINK, FAUCET, AND SANITARY SEWER.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE

NO.	FIXTURE	MFR.	MODEL NO. & TYPE	FLUSH VALVE OR FAUCET	PIPE SIZES			
					WASTE	VENT	DCW	DHW
WC-1	WATER CLOSET	SLOAN	ST-2039-STG	SLOAN CX 8154-1.6-SF	4"	2"	1"	-
U-1	URINAL	SLOAN	SU-7019-STG	SLOAN CX 198-0.5-SF	3"	1-1/2"	3/4"	-
SH-1	SHOWER FAUCET	KOHLER	K-23219-CP	K-T78027-4-CP & K-2972-KS-NA	-	-	1/2"	1/2"
LAV-1	LAVATORY	SLOAN	ELC-81000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
LAV-2	LAVATORY	SLOAN	ELC-82000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
FD & SD	FLOOR DRAIN	ZURN	ZS416SS-P (6"X6)	-	2"	2"	1/2"	-
MS-1	MOP SINK	ACORN	TDF-32; TF2; KDG3; KWG X2 SIDES	T&S BRASS AND BRONZE WORKS B-0665-BSTR	3"	2"	1/2"	1/2"

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: Q GAUNA
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

SHEET TITLE
PLUMBING NEW WORK PLAN

SHEET NUMBER
P-101
SHEET 17 OF 28

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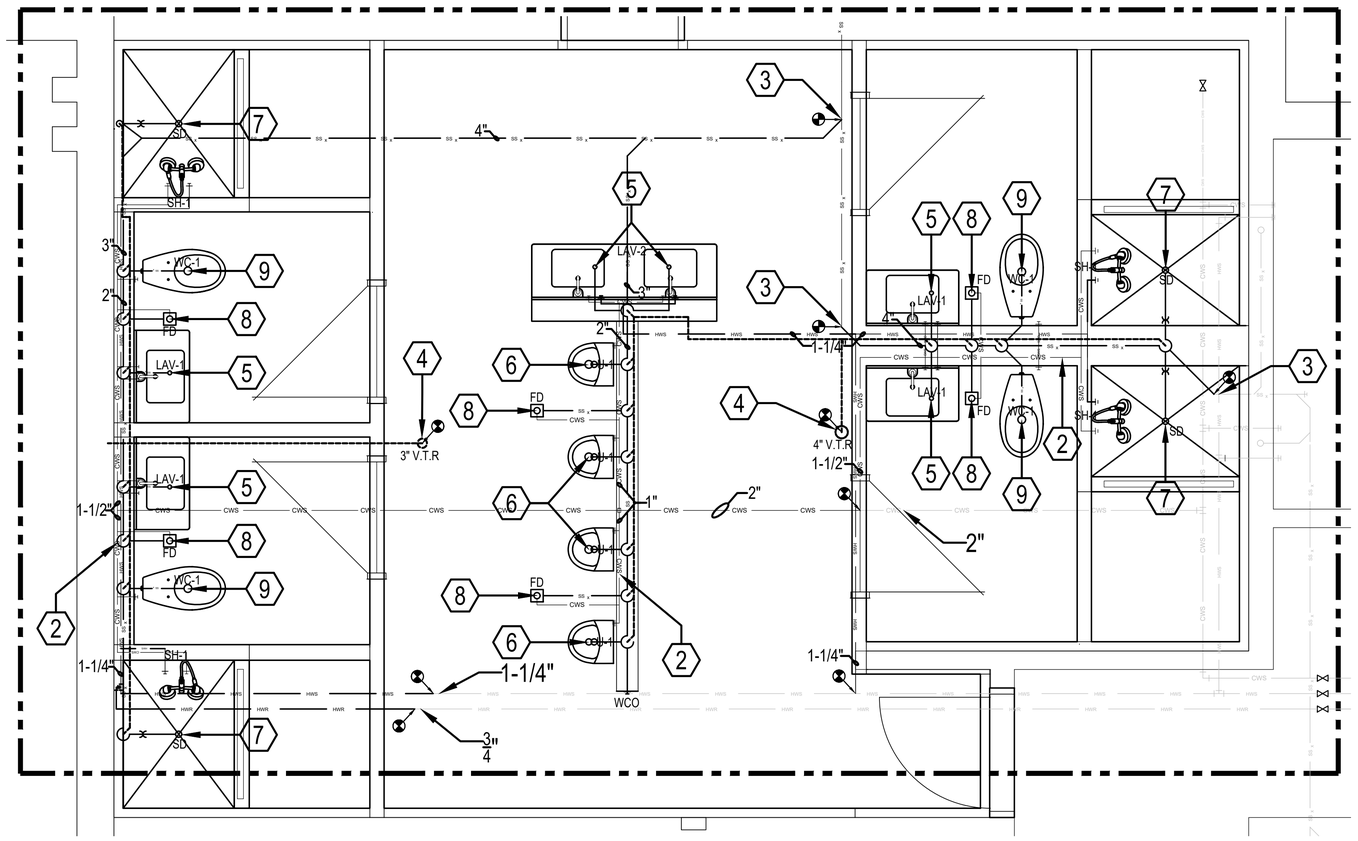


1 P-102 MEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. PROVIDE AND INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE AS AMENDED BY UFC 3-420-01.
3. ALL EXISTING PLUMBING IS SHOWN LIGHT. ALL PLUMBING TO DEMOLISHED ON THE DEMO SHEETS IS SHOWN DASHED. ALL NEW PLUMBING ON THE NEW WORK SHEETS IS SHOWN AS DARK.
4. BASIS OF DESIGN PRODUCT BRANDS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE.
5. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE CONTROL DEVICES, VALVES, AND OTHER CONCEALED PLUMBING EQUIPMENT. ACCESS PANEL COORDINATED WITH INSTALLATION SHALL BE ARCHITECTURAL WORK TO MATCH MATERIALS AND FINISHES.
6. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
7. PLUMBING INSTALLATION SHALL COMPLY WITH APPLICABLE PLUMBING CODE AND THE ABA GUIDELINES FOR ACCESSIBILITY TO PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES BY INDIVIDUALS WITH DISABILITIES.
8. CLEANOUTS, VALVES, GAUGES, ETC. SHALL BE LOCATED TO MAINTAIN ACCESSIBILITY. WALL CLEANOUTS SHALL BE 18" A.F.F.
9. SANITARY SEWER PIPING SMALLER THAN 3" SHALL BE SLOPED AT 1/4" PER FOOT, 3" AND ABOVE SHALL BE SLOPED AT 1/8" PER FOOT.
10. COORDINATE INSTALLATION OF NEW WORK WITH EXISTING CONDITIONS, INCLUDING STRUCTURE

NEW WORK KEYED NOTES

1. PROVIDE NEW 1" CONNECTION TO EXISTING HOT WATER PIPING, PROVIDE 1" BALL TYPE ISOLATION VALVE .
2. PROVIDE NEW WATER HAMMER ARRESTORS AND DOMESTIC PIPING AS SHOWN, REDUCE PIPING AS NEEDED TO MAKE FIXTURE CONNECTIONS.
3. INSTALL NEW 4" SANITARY SEWER PIPING AND CONNECT TO EXISTING 4" SANITARY SEWER PIPING
4. CONNECT NEW VENT SYSTEM TO EXISTING ROOF VENT PENETRATION.
5. PROVIDE & INSTALL NEW WALL MOUNTED LAVATORIES WITH REMOVABLE P-TRAP.
6. PROVIDE & INSTALL NEW WALL MOUNTED URINAL WITH 0.5 GPF MANUAL FLUSH VALVE.
7. PROVIDE AND INSTALL NEW SHOWER HEAD AND FAUCET.
8. PROVIDE & INSTALL NEW FLOOR DRAINS WITH TRAP PRIMER CONNECT TO NEW SANITARY SEWER.
9. PROVIDE & INSTALL NEW FLOOR MOUNTED TOILETS WITH 1.6 GPF AUTOMATIC FLUSH VALVE.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE

NO.	FIXTURE	MFR.	MODEL NO. & TYPE	FLUSH VALVE OR FAUCET	PIPE SIZES			
					WASTE	VENT	DCW	DHW
WC-1	WATER CLOSET	SLOAN	ST-2039-STG	SLOAN CX 8154-1.6-SF	4"	2"	1"	-
U-1	URINAL	SLOAN	SU-7019-STG	SLOAN CX 198-0.5-SF	3"	1-1/2"	3/4"	-
SH-1	SHOWER FAUCET	KOHLER	K-23219-CP	K-T78027-4-CP & K-2972-KS-NA	-	-	1/2"	1/2"
LAV-1	LAVATORY	SLOAN	ELC-81000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
LAV-2	LAVATORY	SLOAN	ELC-82000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
FD & SD	FLOOR DRAIN	ZURN	ZS416SS-P (6"X6)	-	2"	2"	1/2"	-

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

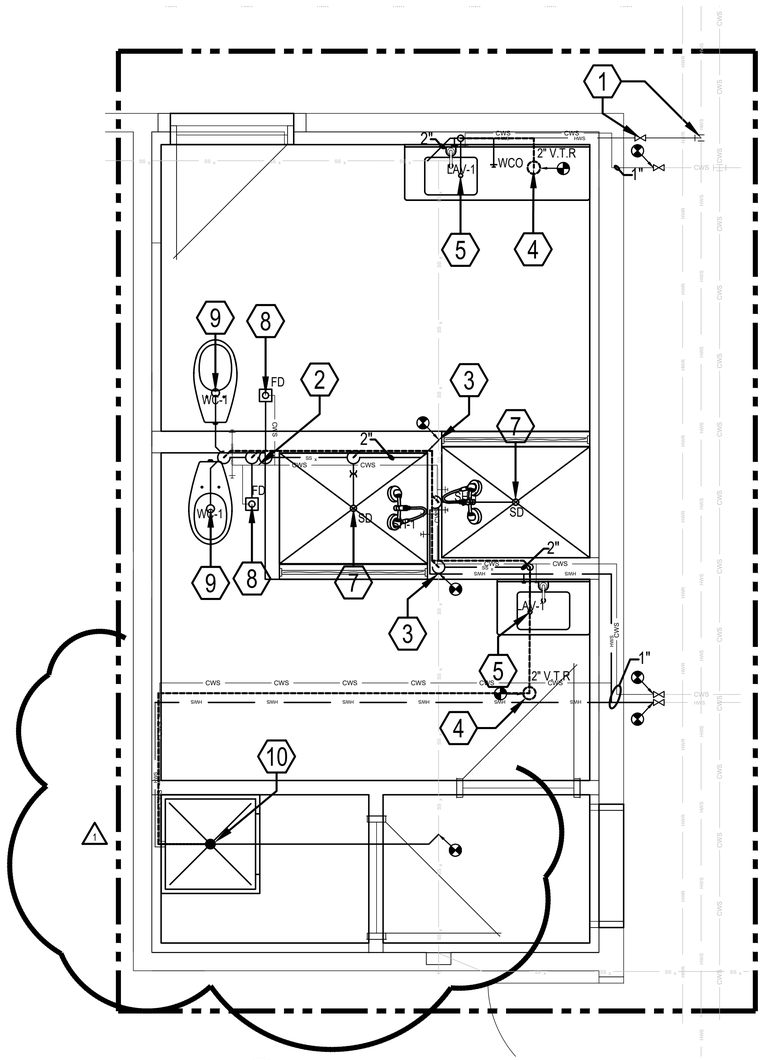
MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: Q GAUNA
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

SHEET TITLE
MEN'S NEW WORK PLAN

SHEET NUMBER
P-102

SHEET 18 OF 28

P-102, 4/8/2026 11:05:25 AM



1 P-103 WOMEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

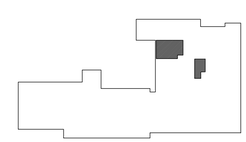
1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. PROVIDE AND INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE AS AMENDED BY UFC 3-420-01.
3. ALL EXISTING PLUMBING IS SHOWN LIGHT. ALL PLUMBING TO DEMOLISHED ON THE DEMO SHEETS IS SHOWN DASHED. ALL NEW PLUMBING ON THE NEW WORK SHEETS IS SHOWN AS DARK.
4. BASIS OF DESIGN PRODUCT BRANDS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE.
5. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE CONTROL DEVICES, VALVES, AND OTHER CONCEALED PLUMBING EQUIPMENT. ACCESS PANEL COORDINATED WITH INSTALLATION SHALL BE ARCHITECTURAL WORK TO MATCH MATERIALS AND FINISHES.
6. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
7. PLUMBING INSTALLATION SHALL COMPLY WITH APPLICABLE PLUMBING CODE AND THE ABA GUIDELINES FOR ACCESSIBILITY TO PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES BY INDIVIDUALS WITH DISABILITIES.
8. CLEANOUTS, VALVES, GAUGES, ETC. SHALL BE LOCATED TO MAINTAIN ACCESSIBILITY. WALL CLEANOUTS SHALL BE 18" A.F.F.
9. SANITARY SEWER PIPING SMALLER THAN 3" SHALL BE SLOPED AT 1/4" PER FOOT, 3" AND ABOVE SHALL BE SLOPED AT 1/8" PER FOOT.
10. COORDINATE INSTALLATION OF NEW WORK WITH EXISTING CONDITIONS, INCLUDING STRUCTURE

NEW WORK KEYED NOTES

1. PROVIDE NEW 1" CONNECTION TO EXISTING HOT WATER PIPING, PROVIDE 1" BALL TYPE ISOLATION VALVE .
2. PROVIDE NEW WATER HAMMER ARRESTORS AND DOMESTIC PIPING AS SHOWN, REDUCE PIPING AS NEEDED TO MAKE FIXTURE CONNECTIONS.
3. INSTALL NEW 4" SANITARY SEWER PIPING AND CONNECT TO EXISTING 4" SANITARY SEWER PIPING
4. CONNECT NEW VENT SYSTEM TO EXISTING ROOF VENT PENETRATION.
5. PROVIDE & INSTALL NEW WALL MOUNTED LAVATORIES WITH REMOVABLE P-TRAP.
6. PROVIDE & INSTALL NEW WALL MOUNTED URINAL WITH 0.5 GPF MANUAL FLUSH VALVE.
7. PROVIDE AND INSTALL NEW SHOWER HEAD AND FAUCET.
8. PROVIDE & INSTALL NEW FLOOR DRAINS WITH TRAP PRIMER CONNECT TO NEW SANITARY SEWER.
9. PROVIDE & INSTALL NEW FLOOR MOUNTED TOILETS WITH 1.6 GPF AUTOMATIC FLUSH VALVE.
10. PROVIDE AND INSTALL NEW MOP SINK, FAUCET, AND SANITARY SEWER.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE

NO.	FIXTURE	MFR.	MODEL NO. & TYPE	FLUSH VALVE OR FAUCET	PIPE SIZES			
					WASTE	VENT	DCW	DHW
WC-1	WATER CLOSET	SLOAN	ST-2039-STG	SLOAN CX 8154-1.6-SF	4"	2"	1"	-
U-1	URINAL	SLOAN	SU-7019-STG	SLOAN CX 198-0.5-SF	3"	1-1/2"	3/4"	-
SH-1	SHOWER FAUCET	KOHLER	K-23219-CP	K-T78027-4-CP & K-2972-KS-NA	-	-	1/2"	1/2"
LAV-1	LAVATORY	SLOAN	ELC-81000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
LAV-2	LAVATORY	SLOAN	ELC-82000	KARRAN VENDA KBF510SS	1-1/4"	1-1/4"	3/8"	3/8"
FD & SD	FLOOR DRAIN	ZURN	ZS416SS-P (6"X6)	-	2"	2"	1/2"	-
MS-1	MOP SINK	ACORN	TDF-32; TF2; KDG3; KWG X2 SIDES	T&S BRASS AND BRONZE WORKS B-0665-BSTR	3"	2"	1/2"	1/2"



KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: G GAUNA
DRAWN BY: T KISER
CHECKED BY:
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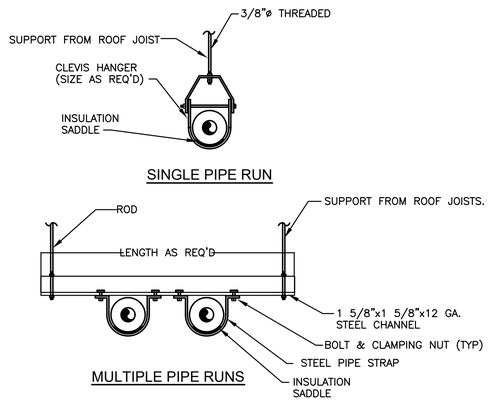
SHEET TITLE
WOMEN'S NEW WORK PLAN

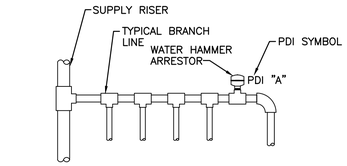
SHEET NUMBER
P-103

SHEET 19 OF 28

P-103, 4/30/2026 3:03:13 PM



1 P-501 PIPE SUPPORT DETAILS
SCALE: 3/8" = 1'- 0"



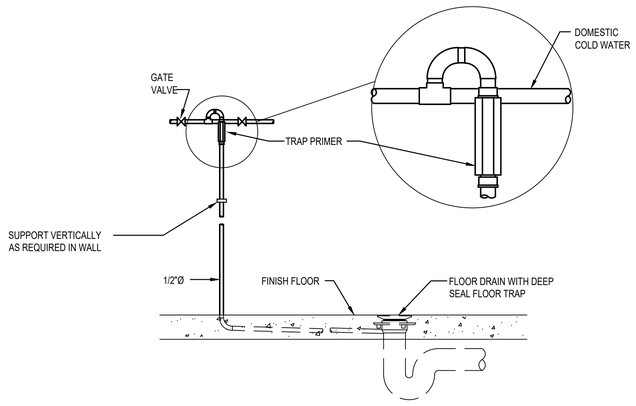
NOTES:
1. PREFERRED INSTALL WATER HAMMER ARRESTORS AT THE END OF BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED.
2. ONE WATER HAMMER ARRESTOR PER 20' LINE, AND ANOTHER FOR BRANCHES OVER 20' IN LENGTH.
3. THE SUM OF FIXTURE UNIT RATING OF UNITS OVER 20' IN LENGTH SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

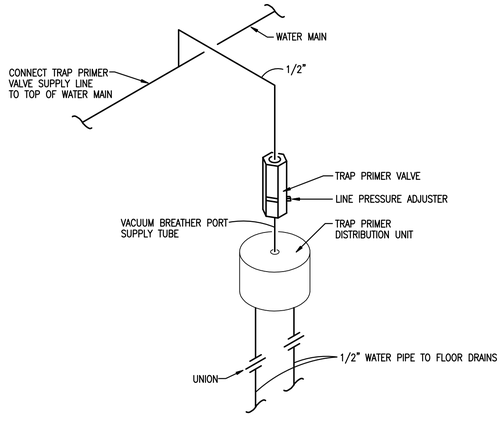
WATER HAMMER ARRESTOR SCHEDULE						
PDI SYMBOL	A	B	C	D	E	F
FIXTURE UNIT RATING	1–11	12–32	33–60	61–113	114–154	155–330

2 P-501 WATER HAMMER ARRESTOR INSTALLATION DETAIL
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. PROVIDE AND INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE AS AMENDED BY UFC 3-420-01.
3. ALL EXISTING PLUMBING IS SHOWN LIGHT. ALL PLUMBING TO DEMOLISHED ON THE DEMO SHEETS IS SHOWN DASHED. ALL NEW PLUMBING ON THE NEW WORK SHEETS IS SHOWN AS DARK.
4. BASIS OF DESIGN PRODUCT BRANDS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE.
5. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE CONTROL DEVICES, VALVES, AND OTHER CONCEALED PLUMBING EQUIPMENT. ACCESS PANEL COORDINATED WITH INSTALLATION SHALL BE ARCHITECTURAL WORK TO MATCH MATERIALS AND FINISHES.
6. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
7. PLUMBING INSTALLATION SHALL COMPLY WITH APPLICABLE PLUMBING CODE AND THE ABA GUIDELINES FOR ACCESSIBILITY TO PLACES OF PUBLIC ACCOMMODATION AND COMMERCIAL FACILITIES BY INDIVIDUALS WITH DISABILITIES.
8. CLEANOUTS, VALVES, GAUGES, ETC. SHALL BE LOCATED TO MAINTAIN ACCESSIBILITY. WALL CLEANOUTS SHALL BE 18" A.F.F.
9. SANITARY SEWER PIPING SMALLER THAN 3" SHALL BE SLOPED AT 1/4" PER FOOT, 3" AND ABOVE SHALL BE SLOPED AT 1/8" PER FOOT.
10. COORDINATE INSTALLATION OF NEW WORK WITH EXISTING CONDITIONS, INCLUDING STRUCTURE





3 P-501 TRAP PRIMER PIPING DETAILS
SCALE: 3/8" = 1'- 0"

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
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SHEET TITLE
DETAILS

SHEET NUMBER
P-501

SHEET 20 OF 28

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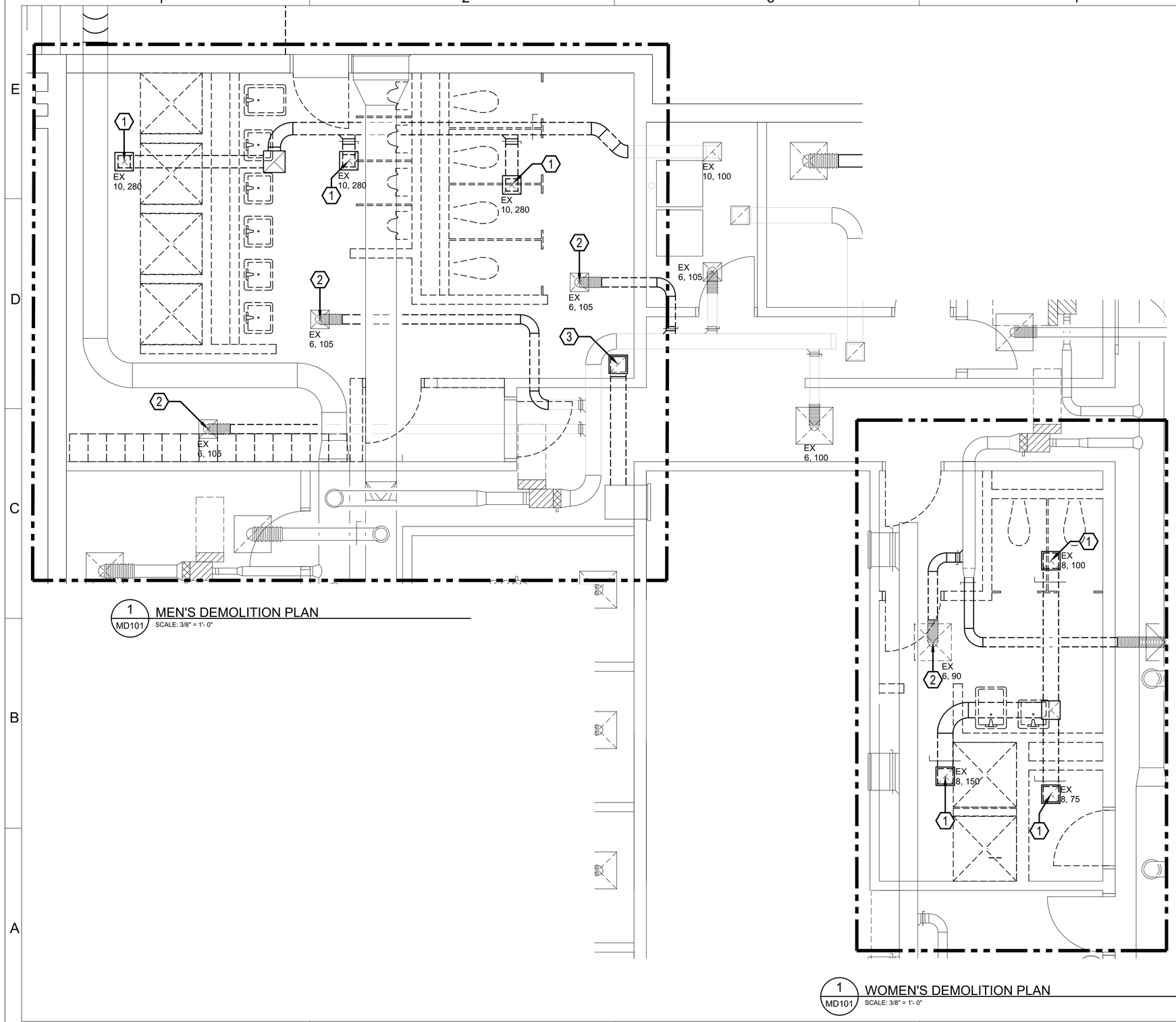

1 MD101 MEN'S DEMOLITION PLAN
SCALE: 3/8" = 1'- 0"

1 MD101 WOMEN'S DEMOLITION PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO EQUIPMENT. VERIFY ALL CLEARANCES BEFORE FABRICATING AND INSTALLING WORK. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER LATEST SMACNA STANDARDS.
3. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).TESTING ADJUSTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.
4. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
5. ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH ALL TRADES. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.
6. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK AND PIPING SYSTEMS CONNECTED TO FANS, PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.
7. ALL EXISTING MECHANICAL IS SHOWN LIGHT. ALL MECHANICAL TO BE DEMOLISHED ON THE DEMO SHEETS IS SHOWN DARK AND/OR DASHED. ALL NEW MECHANICAL ON THE NEW WORK SHEETS IS SHOWN AS DARK.

NEW WORK KEYED NOTES

1. DEMOLISH EXHAUST GRILLES AND DUCTWORK.
2. DEMOLISH SUPPLY DIFFUSER AND DUCTWORK.
3. DEMOLISH RETURN GRILLE AND DUCTWORK.

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

MANAGEMENT INFORMATION
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: 2 APR 2026
DESIGN GROUP:TEPA-SRM
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SHEET TITLE
MECHANICAL DEMOLITION PLAN

SHEET NUMBER
MD101
SHEET 21 OF 28

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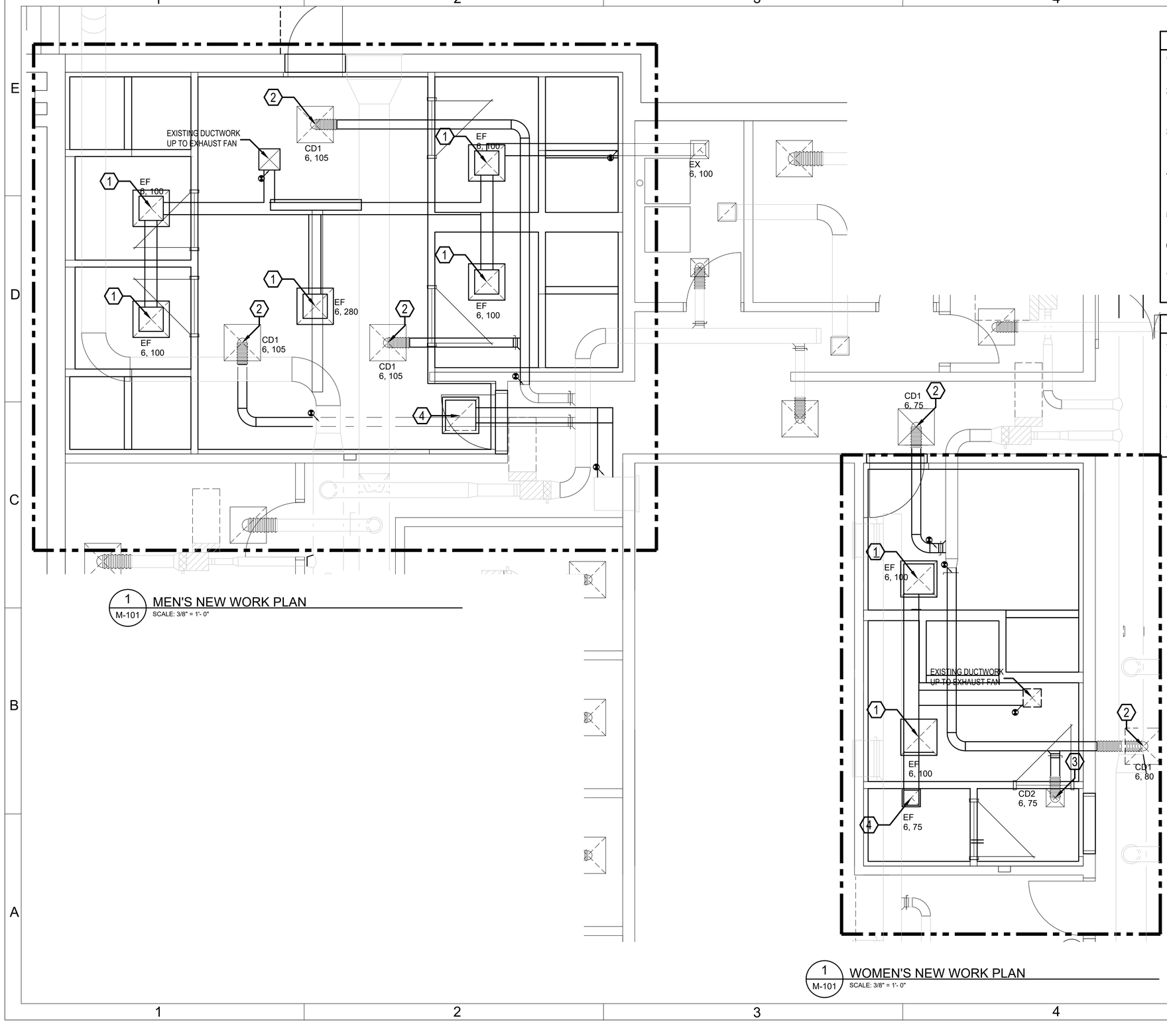

1 M-101 MEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

1 M-101 WOMEN'S NEW WORK PLAN
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO EQUIPMENT. VERIFY ALL CLEARANCES BEFORE FABRICATING AND INSTALLING WORK. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER LATEST SMACNA STANDARDS.
3. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).TESTING ADJUSTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.
4. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
5. ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH ALL TRADES. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.
6. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK AND PIPING SYSTEMS CONNECTED TO FANS, PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.
7. ALL EXISTING MECHANICAL IS SHOWN LIGHT. ALL MECHANICAL TO BE DEMOLISHED ON THE DEMO SHEETS IS SHOWN DARK AND/OR DASHED. ALL NEW MECHANICAL ON THE NEW WORK SHEETS IS SHOWN AS DARK.

NEW WORK KEYED NOTES

1. INSTALL NEW 24" X 24" LAY IN EXHAUST GRILLE AND NEW DUCTWORK AS SHOWN.
2. INSTALL NEW 24" X 24" LAY IN SUPPLY AIR DIFFUSER AND NEW DUCTWORK AS SHOWN.
3. INSTALL NEW 12" X 12" LAY IN SUPPLY AIR DIFFUSER AND NEW DUCTWORK AS SHOWN.
4. INSTALL NEW 24" X 24" LAY IN RETURN AIR GRILLE AND NEW DUCTWORK AS SHOWN.

MECHANICAL DIFFUSSER AND REGSTER SCHEDULE

NO.	MFR.	MODEL NO.	DIMENSIONS	CONNECTION DIA.
CD1	GREENHECK	CDS 4C-AL-1-6-24-01	24" X 24"	6"
CD2	GREENHECK	CDS 4C-AL-1-6-12-01	12" X 12"	6"
EF	GREENHECK	RGCC-45	24" X 24"	6"
R1	GREENHECK	RGCC-45	24" X 24"	6"

KEYPLAN

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

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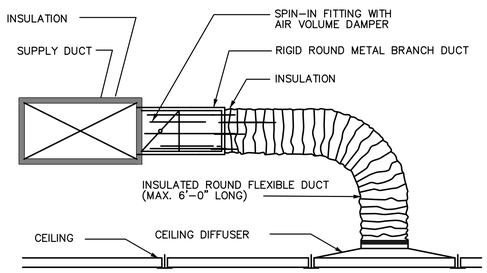
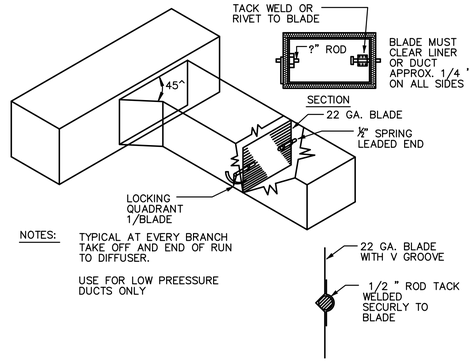
SHEET TITLE
MECHANICAL WORK PLAN

SHEET NUMBER
M-101
SHEET 22 OF 28

M-101, 4/8/2026 11:01:55 AM



1 / M-501 CEILING DIFFUSSER RUNOFF DETAIL
SCALE: 3/8" = 1'- 0"



2 / M-501 BRANCH TAKEOFF & DAMPER DETAIL
SCALE: 3/8" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO EQUIPMENT. VERIFY ALL CLEARANCES BEFORE FABRICATING AND INSTALLING WORK. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER LATEST SMACNA STANDARDS.
3. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).TESTING ADJUSTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.
4. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
5. ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH ALL TRADES. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.
6. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK AND PIPING SYSTEMS CONNECTED TO FANS, PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.
7. ALL EXISTING MECHANICAL IS SHOWN LIGHT. ALL MECHANICAL TO BE DEMOLISHED ON THE DEMO SHEETS IS SHOWN DARK AND/OR DASHED. ALL NEW MECHANICAL ON THE NEW WORK SHEETS IS SHOWN AS DARK.

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP:TEPA-SRM
DESIGNED BY:Q GAUNA
DRAWN BY:T KISER
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REVISIONS

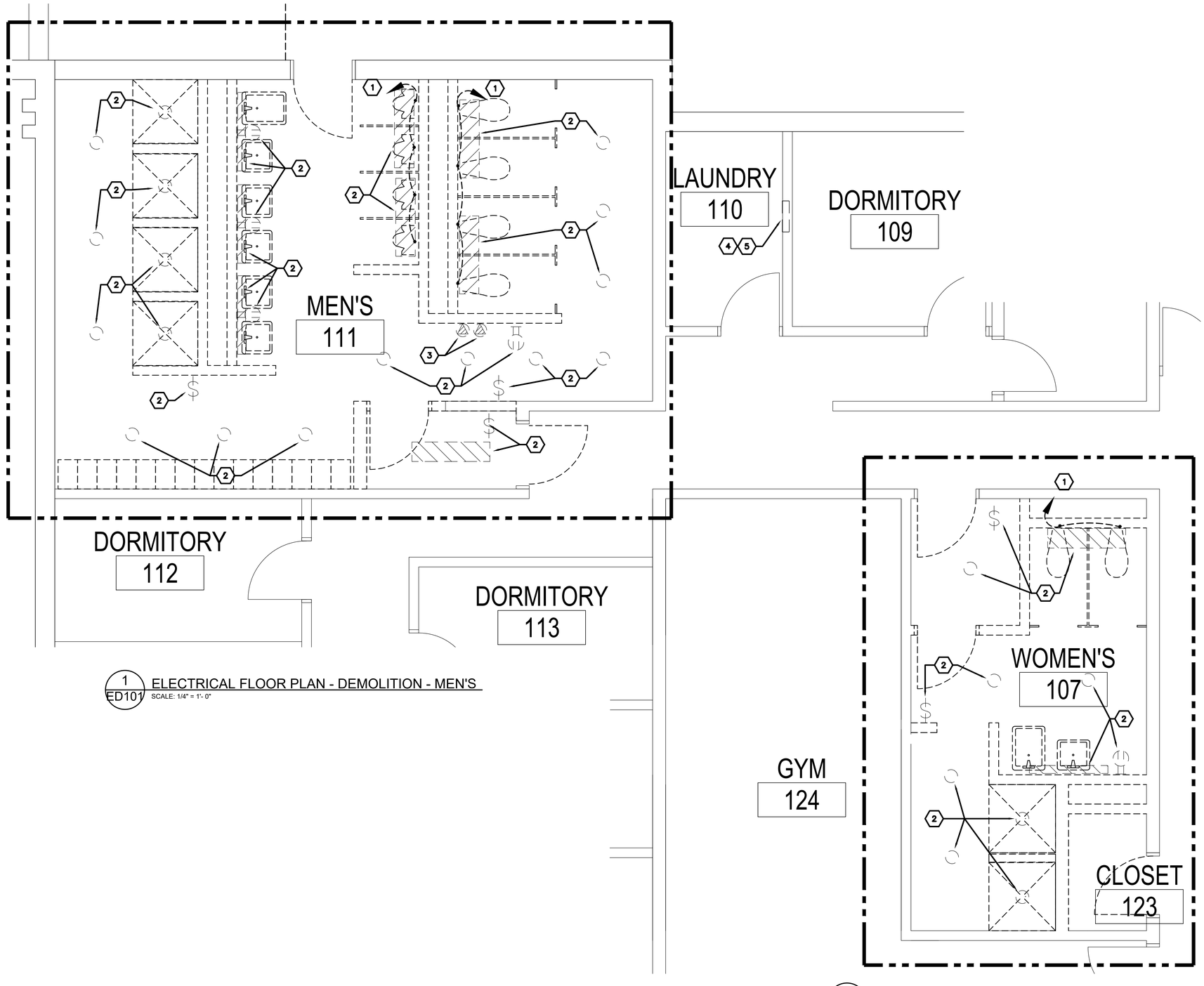
MARK	DATE	DESCRIPTION

SHEET TITLE
DETAILS

SHEET NUMBER
M-501

SHEET 23 OF 28

M-501, 4/8/2026 11:00:47 AM



1 ED101 ELECTRICAL FLOOR PLAN - DEMOLITION - MEN'S
SCALE: 1/4" = 1'- 0"

2 ED101 ELECTRICAL FLOOR PLAN - DEMOLITION - WOMEN'S
SCALE: 1/4" = 1'- 0"

GENERAL NOTES

1. THE DRAWING WAS PREPARED FROM EXISTING DRAWINGS AND LIMITED ACCESS FOR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS FOR ACCURACY.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND QUANTITIES OF EXISTING ELECTRICAL FIXTURES, EQUIPMENT, DEVICES AND COMPONENTS AFFECTED BY THE PROJECT WORKS INCLUDING BUT NOT LIMITED TO ELECTRICAL PANELBOARDS, DISCONNECTS, RECEPTACLES AND LIGHT FIXTURES, SWITCHES, CABLES, CABLE CONDUITS AND RACEWAYS ETC, THAT ARE AFFECTED BY THIS RENOVATION WORKS.
3. ANY ELECTRICAL FIXTURE, DEVICES, EQUIPMENT AND COMPONENTS ENCOUNTERED DURING THE DEMOLITION IN AREAS AFFECTED BY THE RENOVATION WORK (INCLUDING ANY ELECTRICAL FIXTURE, DEVICES, EQUIPMENT OR COMPONENT NOT SHOWN ON THIS DRAWING) SHALL BE PROTECTED FROM DAMAGE DURING THE DEMOLITION AND CONSTRUCTION PHASES OF WORK AND SHALL BE RETURNED TO THEIR ORIGINAL OPERABLE STATE (BASED AT TIME OF PROJECT COMMENCEMENT) UPON THE COMPLETION OF THIS RENOVATION PROJECT.
4. THE GOVERNMENT HAS THE RIGHT TO SALVAGE ALL EQUIPMENT AND CONTRACTOR TO REMOVE AND DISPOSE OF ALL UNWANTED EQUIPMENT.
5. CONTRACTOR TO REPLACE EXISTING CONDUCTORS AND CONDUIT BACK TO THE PROTECTIVE DEVICE WITHIN A PANELBOARD OR TO AN EXISTING SPLICE WITHIN AN EXISTING JUNCTION BOX. UNUSED EXISTING UNDERGROUND CONDUITS SHALL BE CAPPED AND ABANDONED IN PLACE.
6. UNLESS NOTED OTHERWISE, ALL EXISTING EQUIPMENT SHALL REMAIN OPERATIONAL.
7. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION EQUIPMENT INFORMATION.
8. COORDINATE WITH OTHER TRADES FOR ADDITIONAL DEMOLITION WORK WITHIN RENOVATED AREA.
9. ALL WORKS UNDER THIS CONTRACT SHALL INCLUDE POWER CONNECTION TO PLUMBING EQUIPMENT AND RECEPTACLES DEVICES TO ACCOMODATE ARCHITECTURAL MODIFICATIONS ONLY. REFER TO #WWYK130112 FOR LIGHTING AND HVAC MODIFICATIONS.

KEYED NOTES

1. DISCONNECT POWER CONNECTION, AND REMOVE ALL ASSOCIATED ELECTRICAL COMPONENTS, PROTECTIVE DEVICES, DISCONNECTING MEANS, CONDUCTORS, AND CONDUITS SERVING DEMOLISHED PLUMBING EQUIPMENT. REMOVE BRANCH CIRCUIT BACK TO PANEL SOURCE. REFER TO PLUMBING DEMOLITION DRAWINGS FOR MORE INFORMATION.
2. DISCONNECT AND REMOVE EXISTING CEILING AND WALL MOUNTED LIGHT FIXTURES, MOTION SENSORS, AND ALL EXISTING RECEPTACLES WITH THE ASSOCIATED CONDUCTORS/CONDUIT, BACK TO PANEL SOURCE.
3. REMOVE EXISTING ELECTRIC HAND DRYERS AND STORE FOR RECONNECTION. REMOVE BRANCH CIRCUIT BACK TO PANEL SOURCE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR MORE INFORMATION.
4. DISCONNECT AND REMOVE EXISTING AND REMAINING CIRCUITS. ALL CONDUCTOR REMOVE BACK TO THE NEAREST JUNCTION BOX(S). REMOVE PANELBOARD, CONDUITS, AND ANY OTHER COMPONENT AS REQUIRED.
5. REMOVE ANY EMPTY CONDUIT OR EQUIPMENT NOT IN OPERATION OR DECLARED DISCONTINUE.

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION

MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
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DESIGNED BY: C BARBOZA
DRAWN BY: T KISER
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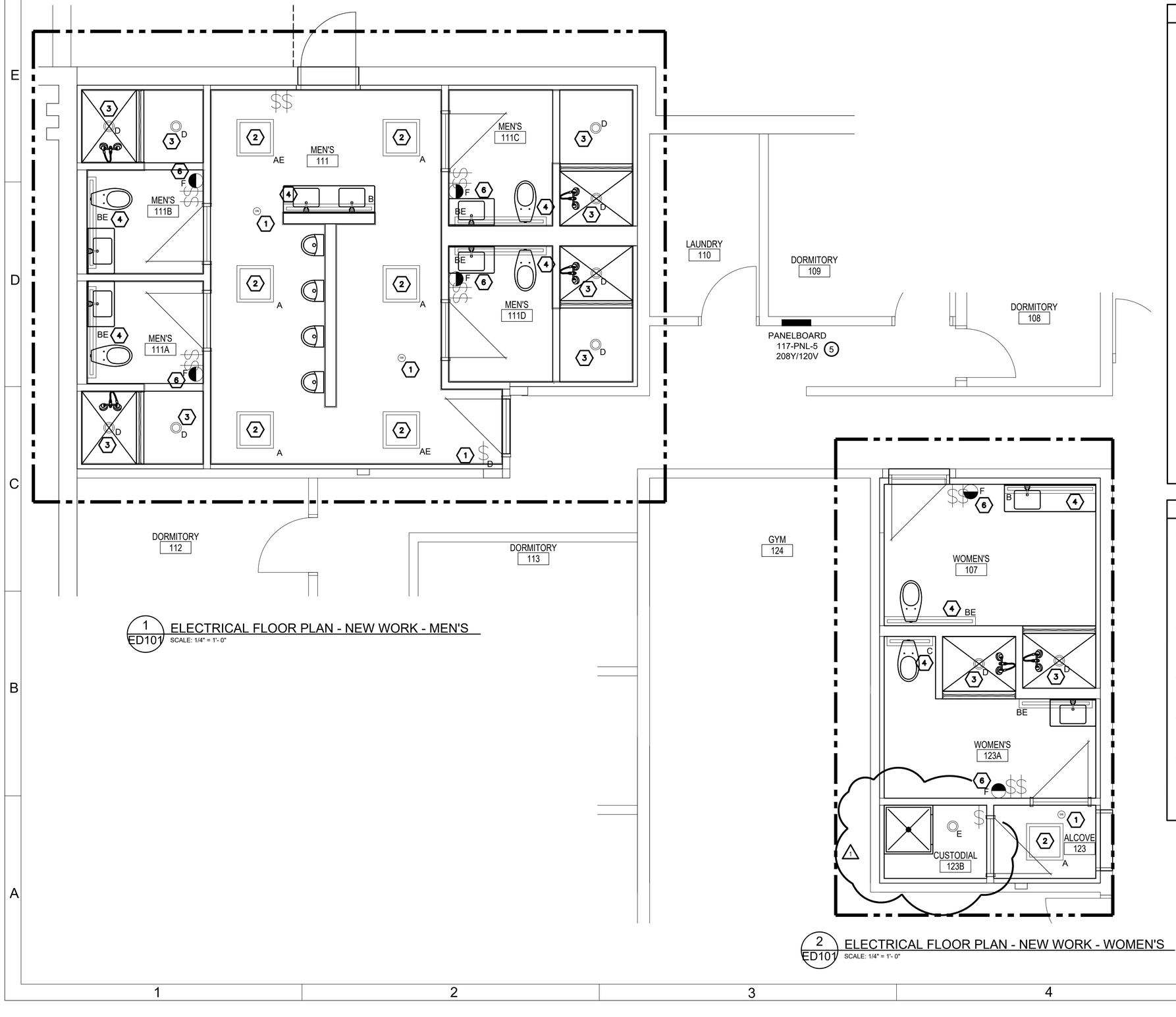
SHEET TITLE
ELECTRICAL DEMOLITION PLAN

SHEET NUMBER
ED-101
SHEET 24 OF 28

ED101, 4/8/2026 11:00:03 AM



1 ED101 ELECTRICAL FLOOR PLAN - NEW WORK - MEN'S
SCALE: 1/4" = 1'- 0"

2 ED101 ELECTRICAL FLOOR PLAN - NEW WORK - WOMEN'S
SCALE: 1/4" = 1'- 0"

GENERAL NOTES

1. ALL INFORMATION AND GENERAL ARRANGEMENTS SHOWN ON ELECTRICAL SHEETS ARE DIAGRAMMATIC AND SHOW DESIGN INTENT FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE DEMOLITION OR CONSTRUCTION PROCESS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TINKER AFB ELECTRICAL STANDARDS, NFPA 70 (NATIONAL ELECTRICAL CODE) AND APPLICABLE PROVISIONS OF ALL MILITARY, FEDERAL, AND STATE STANDARDS AND UFC'S SPECIFICATIONS
3. CONTRACTOR SHALL PROVIDE AN ADEQUATE CONSTRUCTION BARRIER TO PROTECT ALL ADJACENT AREAS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET APPLY TO ELECTRICAL DRAWINGS AND ARE NOT NECESSARY APPLICABLE TO A DRAWINGS OF OTHER TRADES.
5. COORDINATE FINAL LOCATION OF CEILING MOUNTED/SUSPENDED LIGHT FIXTURES WITH OTHER TRADES PRIOR TO ROUGH-IN.
6. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
7. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL PROVIDE NEW CONDUCTORS BACK TO THE PROTECTIVE DEVICE WITHIN A PANELBOARD OR TO AN EXISTING SPLICE WITHIN AN EXISTING JUNCTION BOX. EXTEND EXISTING CONDUITS AS REQUIRED FOR RECONNECTION.
8. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED FOR FULL COVERAGE. FINAL PLACEMENT OF ALL OCCUPANCY SENSORS TO COMPLY WITH MANUFACTURER'S REQUIREMENTS IN ORDER TO MAINTAIN PROPER FUNCTION.
9. ALL WORKS UNDER THIS CONTRACT SHALL INCLUDE POWER CONNECTION TO PLUMBING EQUIPMENT AND RECEPTACLES DEVICES TO ACCOMMODATE ARCHITECTURAL MODIFICATIONS ONLY.

KEYED NOTES

1. PROVIDE AND INSTALL NEW LIGHTING CONTROL SYSTEMS CONNECTED WITH DUAL TECHNOLOGY OCCUPANCY SENSORS, AND DIMMERS RATED FOR LED FIXTURES, AS INDICATED.
2. PROVIDE AND INSTALL NEW LED LIGHTING FIXTURES, CONNECT TO SAME LIGHTING CIRCUIT AND LIGHTING CONTROL DEVICES AS INDICATED WITHIN THE AREA.
3. PROVIDE AND INSTALL NEW LED LIGHTING WITH SEAL GASKET PROVIDED AND RECOMMENDED BY THE MANUFACTURER. THE FIXTURES SHALL BE RATED FOR WET LOCATION AND SPECIAL BRACKET FOR HARD CEILINGS.
4. NEW LED VANITY LIGHTS SHALL BE WALL MOUNTED AT 8'-0" A.F.F. SELECTED FIXTURES SHALL BE PROVIDED WITH INTEGRAL BACK UP FOR EMERGENCY EGRESS.
5. NEW PANELBOARD SHALL BE INSTALLED AND EXISTING CIRCUITS WILL BE RECONNECTED. DETAILS ON THE SHEET E-102.
6. NEW LED STEP LIGHT SHALL BE RECESSED MOUNTED AT 16 INCHES A.F.F.

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

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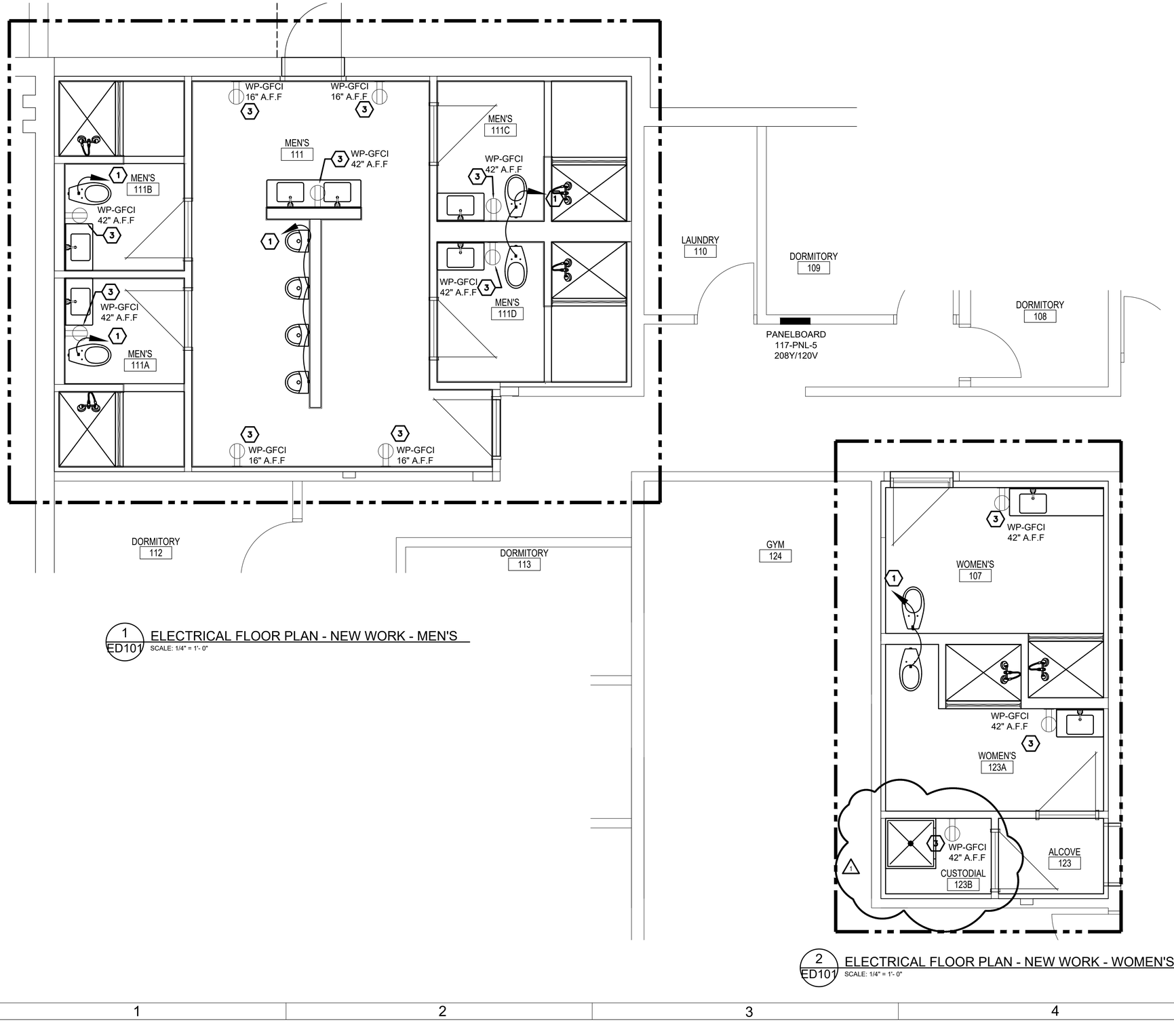
SHEET TITLE
ELECTRICAL LIGHTING PLAN - NEW WORK

SHEET NUMBER
E-101
SHEET 25 OF 28

E-101, 4/30/2026 2:40:59 PM



1 ED101 ELECTRICAL FLOOR PLAN - NEW WORK - MEN'S
SCALE: 1/4" = 1'- 0"

2 ED101 ELECTRICAL FLOOR PLAN - NEW WORK - WOMEN'S
SCALE: 1/4" = 1'- 0"

GENERAL NOTES

1. ALL INFORMATION AND GENERAL ARRANGEMENTS SHOWN ON ELECTRICAL SHEETS ARE DIAGRAMMATIC AND SHOW DESIGN INTENT FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE DEMOLITION OR CONSTRUCTION PROCESS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TINKER AFB ELECTRICAL STANDARDS, NFPA 70 (NATIONAL ELECTRICAL CODE) AND APPLICABLE PROVISIONS OF ALL MILITARY, FEDERAL, AND STATE STANDARDS AND UFC'S SPECIFICATIONS
3. CONTRACTOR SHALL PROVIDE AN ADEQUATE CONSTRUCTION BARRIER TO PROTECT ALL ADJACENT AREAS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET APPLY TO ELECTRICAL DRAWINGS AND ARE NOT NECESSARY APPLICABLE TO A DRAWINGS OF OTHER TRADES.
5. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL PROVIDE NEW CONDUCTORS BACK TO THE PROTECTIVE DEVICE WITHIN A PANELBOARD OR TO AN EXISTING SPLICE WITHIN AN EXISTING JUNCTION BOX. EXTEND EXISTING CONDUITS AS REQUIRED FOR RECONNECTION.
6. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. VERIFY ALL POWER CONNECTIONS AND INSTALLATION REQUIREMENTS WITH MANUFACTURERS PRIOR TO PROCUREMENT AND INSTALLATION.
7. REFER TO SHEET E-601 FOR ONE-LINE DIAGRAM, MECHANICAL EQUIPMENT SCHEDULE AND PANEL SCHEDULE.
8. ALL AFFECTED CIRCUITS SHALL BE SAFELY ISOLATED AND LOCKED OFF (MADE SAFE) WITH CONDUCTORS AND CONDUITS PROTECTED AND ARRANGED TO PERMIT THE SAFE INSTALLATION OF THE MECHANICAL SERVICES AND INSTALLATION OF THE SUSPENDED CEILING.
9. ALL WORKS UNDER THIS CONTRACT SHALL INCLUDE POWER CONNECTION TO PLUMBING EQUIPMENT AND RECEPTACLES DEVICES TO ACCOMMODATE ARCHITECTURAL MODIFICATIONS ONLY.

KEYED NOTES

1. PROVIDE DEDICATED 20A,120V CIRCUIT AND CONNECTIONS FOR AUTO SENSORS FOR THE PLUMBING FIXTURES. INSTALL AND CONNECT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. PROVIDE NEW CONDUCTORS AND EXTEND CONDUIT AS REQUIRED FOR RECONNECTION.
2. RECONNECT EXISTING HAND DRYERS TO EXISTING CIRCUITS FROM PANEL "117-PNL-5" AND MOUNTED AT NEW LOCATION. PROVIDE NEW CONDUCTORS AND EXTEND CONDUIT AS REQUIRED.
3. PROVIDE NEW 20A GFCI RECEPTACLES CONNECTED TO EXISTING CIRCUITS. PROVIDE NEW CONDUCTORS AND EXTEND CONDUIT AS REQUIRED.
4. PROVIDE AND INSTALL NEW 125A PANELBOARD, FLUSH MOUNTED SHALL BE INSTALLED. THE EXISTING FEEDER AND REMAINING EXISTING CIRCUITS WILL BE RECONNECTED. NEW CONDUITS, CONDUCTORS, SUPPORTS, BREAKERS, AND ANY OTHER ASSOCIATED COMPONENTS AS REQUIRED.

AIR FORCE MATERIEL COMMAND
72 ABW CIVIL ENGINEER DIRECTORATE
TINKER AFB, OK

35% DESIGN

PROJECT INFORMATION
WWYK190023
RENOVATE RESTROOMS, B117
TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

MARK	DATE	DESCRIPTION
1	4/30/2026	REVISION ONE - MOP SINK

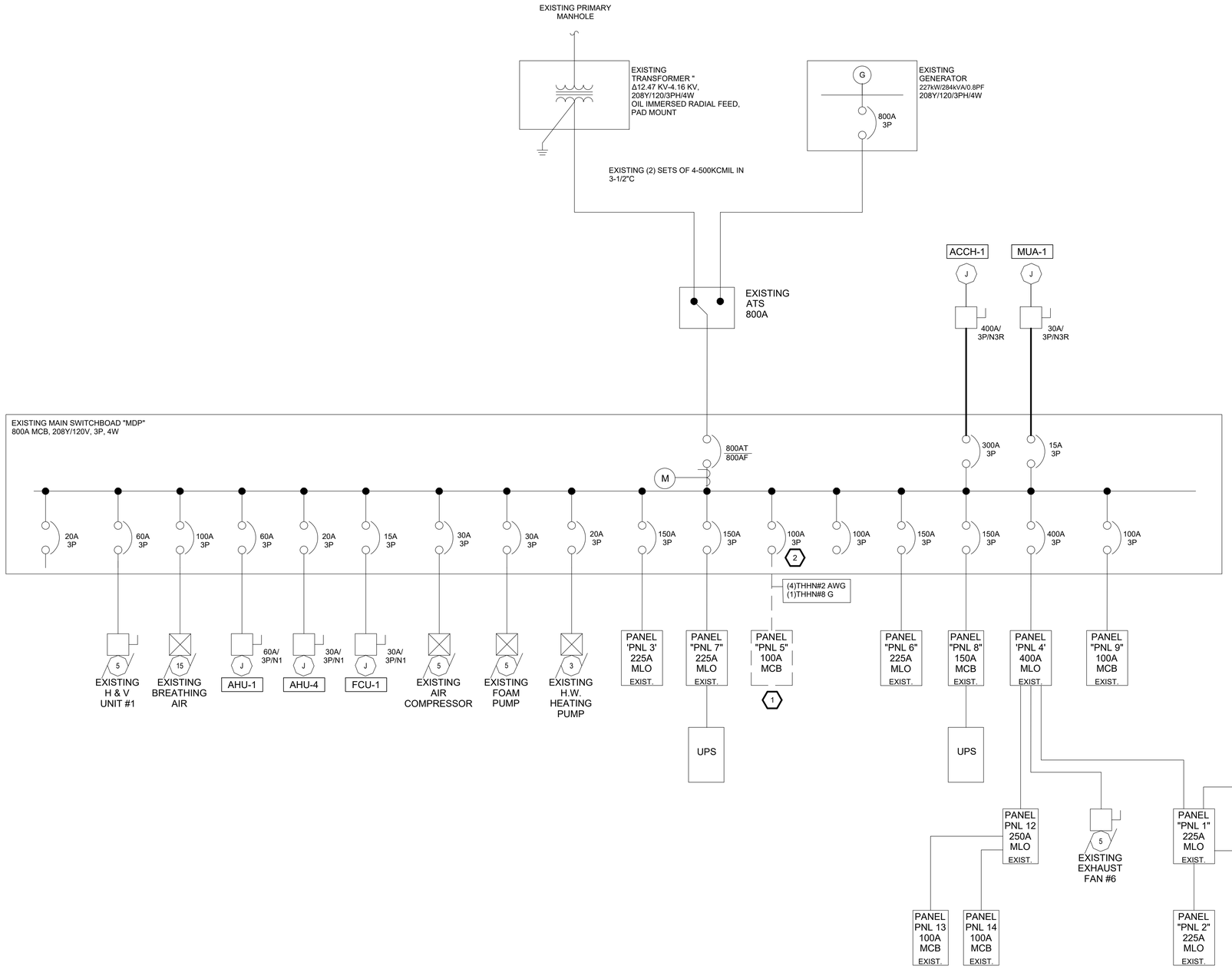
MANAGEMENT INFORMATION

ISSUE DATE:	2 APR 2026
DESIGN GROUP:	TEPA-SRM
DESIGNED BY:	C BARBOZA
DRAWN BY:	T KISER
CHECKED BY:	
DESIGN FILE LOCATION:	T:\Engr\Design\2010s\2019\2019002300_Support\0_3_Drawings\Model

SHEET TITLE
ELECTRICAL POWER PLAN - NEW WORK

SHEET NUMBER
E-102
SHEET 26 OF 28

E-102, 4/30/2026 2:36:28 PM



1 E-601 ELECTRICAL ONE-LINE RISER DIAGRAM

SCALE: NOT TO SCALE

GENERAL NOTES

1. ALL INFORMATION AND GENERAL ARRANGEMENTS SHOWN ON ELECTRICAL SHEETS ARE DIAGRAMMATIC AND SHOW DESIGN INTENT FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE DEMOLITION OR CONSTRUCTION PROCESS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TINKER AFB ELECTRICAL STANDARDS, NFPA 70 (NATIONAL ELECTRICAL CODE) AND APPLICABLE PROVISIONS OF ALL MILITARY, FEDERAL, AND STATE STANDARDS AND UFC'S SPECIFICATIONS
3. CONTRACTOR SHALL PROVIDE AN ADEQUATE CONSTRUCTION BARRIER TO PROTECT ALL ADJACENT AREAS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET APPLY TO ELECTRICAL DRAWINGS AND ARE NOT NECESSARY APPLICABLE TO A DRAWINGS OF OTHER TRADES.
5. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL PROVIDE NEW CONDUCTORS BACK TO THE PROTECTIVE DEVICE WITHIN A PANELBOARD OR TO AN EXISTING SPLICE WITHIN AN EXISTING JUNCTION BOX. EXTEND EXISTING CONDUITS AS REQUIRED FOR RECONNECTION.
6. ALL AFFECTED CIRCUITS SHALL BE SAFELY ISOLATED AND LOCKED OFF (MADE SAFE) WITH CONDUCTORS AND CONDUITS PROTECTED AND ARRANGED TO PERMIT THE SAFE INSTALLATION OF THE MECHANICAL SERVICES AND INSTALLATION OF THE SUSPENDED CEILING.

KEYED NOTES

1. EXISTING PANELBOARD SHALL BE DISCONNECTED AND REMOVE. NEW LOCATION IS PROVIDED ON DRAWINGS OR OTHERWISE IS INDICATED. PROVIDE AND INSTALL NEW 100A, MAIN CIRCUIT BREAKER, 208Y/120V RATED, 3-PHASE, 4-WIRE, WITH 42 CIRCUITS AND FOR FLUSH MOUNTED. ALL EXISTING BRANCH-CIRCUITS REMAINED AND NOT ASSOCIATED WITH THIS PROJECT SHALL BE RECONNECTED. IF THE EXISTING CONDUCTORS ARE NOT SUFFICIENT LENGTH TO ALLOW PROPER TERMINATION, THE CONTRACTOR SHALL REPLACE THE FEEDERS. SPLICING FEEDERS IS NOT PERMITTED.
2. REPLACE EXISTING BREAKER WITH A NEW 100A, 3-POLE BREAKER, LISTED FOR THE EXISTING MDP PANELBOARD AND MANUFACTURED BY THE SAME PANEL MANUFACTURER TO ENSURE PROPER FIT AND LISTING.

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REVISIONS

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MANAGEMENT INFORMATION
ISSUE DATE: 2 APR 2026
DESIGN GROUP: TEPA-SRM
DESIGNED BY: C BARBOZA
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION: T:\Engr\Design\2010s\2019\20190023\0_Support\0_3_Drawings\Model

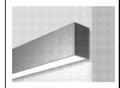
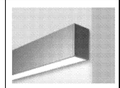
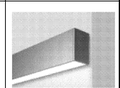
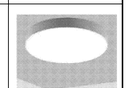
SHEET TITLE
ELECTRICAL ONE-LINE

SHEET NUMBER
E-601

SHEET 27 OF 28

E-601, 4/8/2026 10:56:03 AM

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER & CATALOG NUMBER	MOUNTING	HEIGHT	QTY.	LAMPS						INPUT VA (MAX)	GENERIC DESCRIPTION	NOTES	PHOTO
					VA	LUMENS	TYPE	TEMP	CRI	VOLTS				
A	LITHONIA 2WRTL -G-L24-3000LM-IAW-AFL-ND-MVOLT-GZ1-40K-80CRI-DWAM	RECESSED (TO BOTTOM OF FIXTURE)	ACT GRID CEILING	1	26	3027	LED	4000K	80	MVOLT	26	2'X2' RECESSED LED TROFFER FOR GENERAL ILLUMINATION OF DEMANDING ENVIRONMENTS SUBJECT TO DUST AND MOISTURE. LAY-IN GRID OR IN-CEILING SHEET ROCK INSTALLATIONS USING SWING-ARMS WITH RANGE FROM 1" TO 2" GRID HEIGHT.	1	
AE	LITHONIA 2WRTL -G-L24-3000LM-IAW-AFL-ND-MVOLT-GZ1-40K-80CRI-DWAM - IE10WLCP	RECESSED (TO BOTTOM OF FIXTURE)	ACT GRID CEILING	1	26	3027	LED	4000K	80	MVOLT	26	2'X2' RECESSED LED TROFFER FOR GENERAL ILLUMINATION OF DEMANDING ENVIRONMENTS SUBJECT TO DUST AND MOISTURE. LAY-IN GRID OR IN-CEILING SHEET ROCK INSTALLATIONS USING SWING-ARMS WITH RANGE FROM 1" TO 2" GRID HEIGHT. CONSTANT POWER WITH BATTERY PACK.	1	
B	MARK ARCHITECTURAL S2WID - LSL - 5FT - MSL5 - 80CRI - 40K-600LMF - WG - I80CRI - I40K - I400LMF - AS - SCT - MIN1 - EGLD - DC - MVOLT - WHTT - ZT - MSD PDT 7	WALL (TO SIDE OF FIXTURE)	8'-0" AFF (OR AS NOTED PER DRAWINGS)	1	28.2	1000	LED	4000K	80	MVOLT	28.2	5' LUMINAIRE WITH COMPACT-DESIGN IN ONE-PIECE EXTRUDED ALUMINUM HOUSING. DIRECT AND INDIRECT LIGHTING. WALL GRAZE INCORPORATE CO-EXTRUDED LENSES AND FILMS, INTEGRAL DIMMING DRIVER AND INTEGRAL DUAL OCCUPANCY SENSOR, DAMP LOCATION RATED.	1	
BE	MARK ARCHITECTURAL S2WID - LSL - 5FT - MSL5 - 80CRI - 40K-600LMF - WG - I80CRI - I40K - I400LMF - AS - SCT - MIN1 - EGLD - DC - MVOLT - WHTT - E10WLCP - ZT - MSD PDT 8	WALL (TO SIDE OF FIXTURE)	8'-0" AFF (OR AS NOTED PER DRAWINGS)	1	28.2	1000	LED	4000K	81	MVOLT	28.2	5' LUMINAIRE WITH COMPACT-DESIGN IN ONE-PIECE EXTRUDED ALUMINUM HOUSING. DIRECT AND INDIRECT LIGHTING. WALL GRAZE INCORPORATE CO-EXTRUDED LENSES AND FILMS, INTEGRAL DIMMING DRIVER AND INTEGRAL DUAL OCCUPANCY SENSOR, DAMP LOCATION RATED. CONSTANT POWER WITH BATTERY PACK.	1	
C	MARK ARCHITECTURAL S2WID - LSL - 3FT - MSL3 - 80CRI - 40K-600LMF - WG - I80CRI - I40K - I400LMF - AS - SCT - MIN1 - EGLD - DC - MVOLT - WHTT - ZT - MSD PDT 9	WALL (TO SIDE OF FIXTURE)	8'-0" AFF (OR AS NOTED PER DRAWINGS)	1	28.2	1000	LED	4000K	82	MVOLT	28.2	3' LUMINAIRE WITH COMPACT-DESIGN IN ONE-PIECE EXTRUDED ALUMINUM HOUSING. DIRECT AND INDIRECT LIGHTING. WALL GRAZE INCORPORATE CO-EXTRUDED LENSES AND FILMS, INTEGRAL DIMMING DRIVER AND INTEGRAL DUAL OCCUPANCY SENSOR, DAMP LOCATION RATED.	2	
D	MARK ARCHITECTURAL MGLS - 12IN - 80CRI - 40K - 1000LM - MIN1 - EGLD - MVOLT - FLT - WHIT - ZT	SURFACE MOUNT FIXTURE	ACT GRID CEILING	1	12	1000	LED	4000K	80	MVOLT	12	12" DIAMETER ROLLED AND WELDED SMOOTH ALUMINUM EXTRUDED HOUSING FOR SURFACE MOUNT FIXTURE. SAND ETCHED OPAL ACRYLIC FORMED FLAT LENS. DIMMING DRIVER AND INTEGRAL DUAL OCCUPANCY SENSOR, DAMP LOCATION RATED.	1	
E	LITHONIA FMMLS - 7 - SWW2	SURFACE MOUNT FIXTURE	ACT GRID CEILING	1	12.2	695	LED	4000K	80	120	12.2	7" DIAMETER PROVIDES GENERAL ILLUMINATION WITH 3-POSITION SWITCH TO SELECT COLOR TEMPERATURE AT TIME OF THE INSTALLATION. COMTEMPORARY SHAPE FIXTURE WITH A MATTE WHITE ACRYLIC DIFFUSER AND ROBUST ALUMINUM HOUSING.	1	
F	NIGHTINGALE / ASSURE NIGHTLIGHT HNYX-LLO-MVOLT-40K-PC-MWAM	RECESSED WALL (TO BACK OF FIXTURE)	18" A.F.F.	1	1.56	81	LED	4000K	80	MVOLT	1.56	STEPLIGHTING BUILDED IN A DIE-CAST HOUSING AND FACEPLATE WITH NO VISIBLE FASTENERS. PAINTED IN DURABLE POLYESTER POWDER COAT PAINT WITH ANTIMICROBIAL ADDITIVE. INTEGRAL ELECTRONIC DRIVER AND PHOTO CELL. SUITABLE FOR WET LOCATION.	1	
EX	LITHONIA #EDGR-1/2-RMR-EL-SD	END, OR PENDANT (AS NOTED PER DRAWINGS)	ABOVE EGRESS DOOR FRAME (OR AS NOTED ON DRAWINGS	1	3.8	-	LED	-	-	120	3.8	EXIT SIGN WITH EXTRUDED BRUSHED ALUMINUM HOUSING, 6" HIGH WITH 3/4" STROKE RED LETTERS ON MIRROR FACE, UNIVERSAL/ FIELD-SELECTABLE DIRECTIONAL CHEVRON INDICATORS, INTEGRAL SEALED MAINTENANCE-FREE NICKEL-CADMIUM EMERGENCY BATTERY PACK, INTEGRAL DISCONNECT, INTEGRAL SURGE PROTECTION, INTEGRAL SELF-DIAGNOSTIC TEST SWITCH, RECESSED MOUNTING CEILING, DAMP LOCATION RATED.	1,2	

NOTE:
1) LUMINAIRE SELECTION WAS USED AS A BASIS OF DESIGN. ALTERNATE LUMINAIRE SELECTIONS WITHIN THE INDICATED CRITERIA ARE ACCEPTABLE.
2) REFER TO DRAWINGS FOR EXACT NUMBER OF FACES REQUIRED FOR EACH LOCATION.

117-PNL-5

S.C. RATING 10 AIC

208 Y/ 120 VOLT, 3 PHASE, 4 WIRE

LOCATION: LAUNDRY RM111/HALLWAY — 1-SECTION PANEL — 125 AMP M.L.O.
MOUNTING: FLUSH — 125 AMP BUS
FED FROM: PANEL MDP — 100% NEUTRAL BUS

WIRE SIZE	CKT	DESCRIPTION	VA	BREAKER A	BREAKER P	PH	BREAKER P	BREAKER A	VA	DESCRIPTION	CKT	WIRE SIZE
12	1	LTS Lobby & Entry	1150	20	1	A	1	20	1000	LTS Dinning Classroom	2	12
12	3	LTS Tech Service	1100	20	1	B	1	20	1000	LTS Dinning Classroom	4	12
12	5	LTS STO Women Restrm	1525	20	1	C	1	20	1225	LTS Mens Restroom	6	12
12	7	RCP Men & Women Restrm	540	20	1	A	1	20	1080	Washer	8	12
10	9	Dryer & Washer	1080	30	2	B	1	20	1080	RCP Bunk 108 &109	10	12
10	11					C	1	20	1000	RCP Lobby & Chief	12	12
12	13	RCP Training & Lockers	950	20	1	A	1	20	950	RCP Tech Service	14	12
12	15	RCP T. Chief Room	900	20	1	B	1	20	950	RCP Tech Service	16	12
12	17	RCP Training & Chief Rm	950	20	1	C	1	20	950	RCP Tech Service	18	12
12	19	RCP DWC Bunk 115 & 116	900	20	1	A	1	20	1080	RCP Bunk 113, 115, 117, 119	20	12
12	21	RCP DWC Carrel L Dinning	900	20	1	B	1	20	1080	RCP Bunk 114, 116	22	12
12	23	Restroom Exhaust Fans	900	20	1	C	1	20	700	RCP Bunk 112, North Hall	24	12
12	25	RCP Bunk 118	500	20	1	A	1	20	900	North East & West Computer	26	12
12	27	RCP Weight Room	500	20	1	B	1	20	900	Hand Dryer	28	12
12	29	RCP Bunk 118 & South Hall	500	20	1	C	1	20	900	Hand Dryer	30	12
	31	Spare				A				Spare	32	
12	33	RCP Bunk 108 & 109	500	20	1	B	1	20	500	East Treadmill	34	12
	35	Spare				C	1	20	500	West Treadmill	36	12
10	37	Dryer & Washer	1080	30	2	A				Space	38	
10	39		1080			B				Space	40	
12	41	RCP Women Restroom	900	20	1	C				Space	42	
	MIN PA CONNECTED LOAD		PER PHASE TOTAL				PHASE BALANCE			NEC CALC. LOAD		
			A 9424 VA				A-B 81 %					
			B 11570 VA			84	B-C 96 %					
			C 11130 VA				A-C 85 %					

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TINKER AIR FORCE BASE, OKLAHOMA

REVISIONS

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MANAGEMENT INFORMATION
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DESIGN GROUP: TEPA-SRM
DESIGNED BY: C BARBOZA
DRAWN BY: T KISER
CHECKED BY:
DESIGN FILE LOCATION:
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SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-602

SHEET 28 OF 28

E-602, 4/8/2026 11:14:51 AM