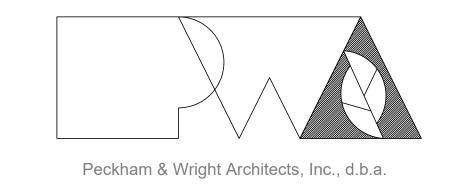
### LATRINE RENOVATION

## COLUMBIA READINESS CENTER Columbia, Missouri



### PWArchitects, Inc.

2120 Forum Blvd., Ste 101 Columbia, Missouri 65203 Ph:(573) 449-2683 Fax:(573) 442-6213

OWNER: STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

MISSOURI NATIONAL GUARD

OFFICE OF THE ADJUTANT GENERAL FACILITIES MANAGEMENT OFFICE

PROJECT OFFICE OF ADMINISTRATION

MANAGEMENT: DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSTRUCTION

DESIGNER: PWArchitects, Inc.

2120 Forum Blvd., Ste. 101 Columbia, Missouri 65203

PROJECT NUMBER: T2139-01

SITE NUMBER: 6289

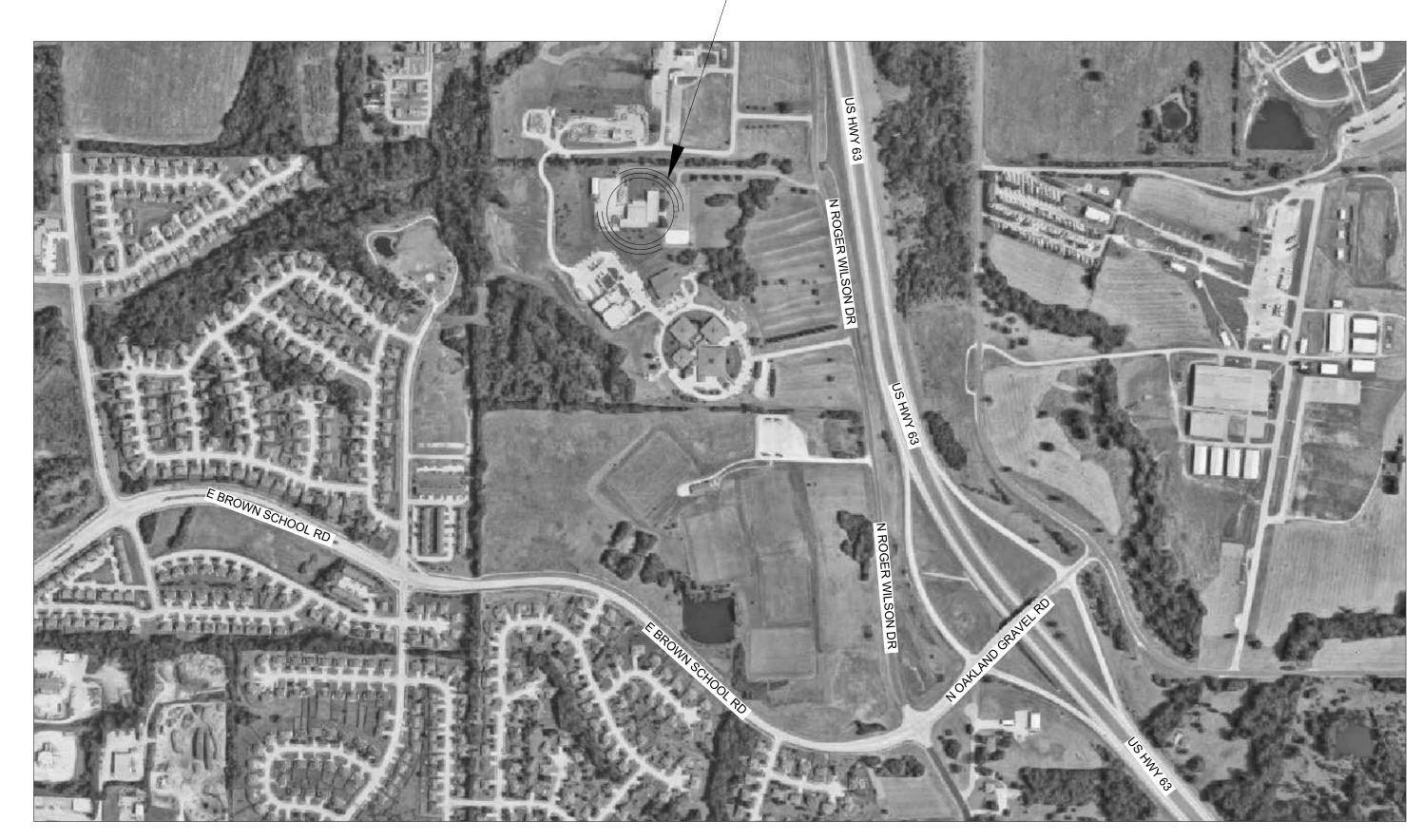
ASSET NUMBER: **81362890001** 



PROJECT SITE: COLUMBIA READINESS 5151 N ROGER WILSON DR COLUMBIA, MO ST. JOSEPH HANNIBAL KANSAS CITY COLUMBIA ST. LOUIS JEFFERSON CITY ★ ROLLA CAPE GIRARDEAU ● SPRINGFIELD POPLAR BLUFF ●

ALTERNATE #1: APPROX. LOCATION OF TEMPORARY RESTROOM FACILITIES -FIELD COORDINATE FINAL LOCATION WITH OWNER'S REPRESENTATIVE

PROJECT SITE: COLUMBIA READINESS CENTER 5151 N ROGER WILSON DR COLUMBIA, MO



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





2120 Forum Blvd., Ste. 101 Columbia, Missouri 65203 PWArchitects.com | 573.449.2683 Missouri State Certificate of Authority No. 000244

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DEMO FLOOR PLAN & REFLECTED CEILING PLAN

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

LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 N ROGER WILSON DR COLUMBIA, MO

PROJECT # T2139-01 ASSET # 81362890001

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

ISSUE DATE: 07/07/2022

CAD DWG FILE:G-101 DRAWN BY: MM CHECKED BY: EM DESIGNED BY: MM / EM

SHEET TITLE:

INDEX SHEET

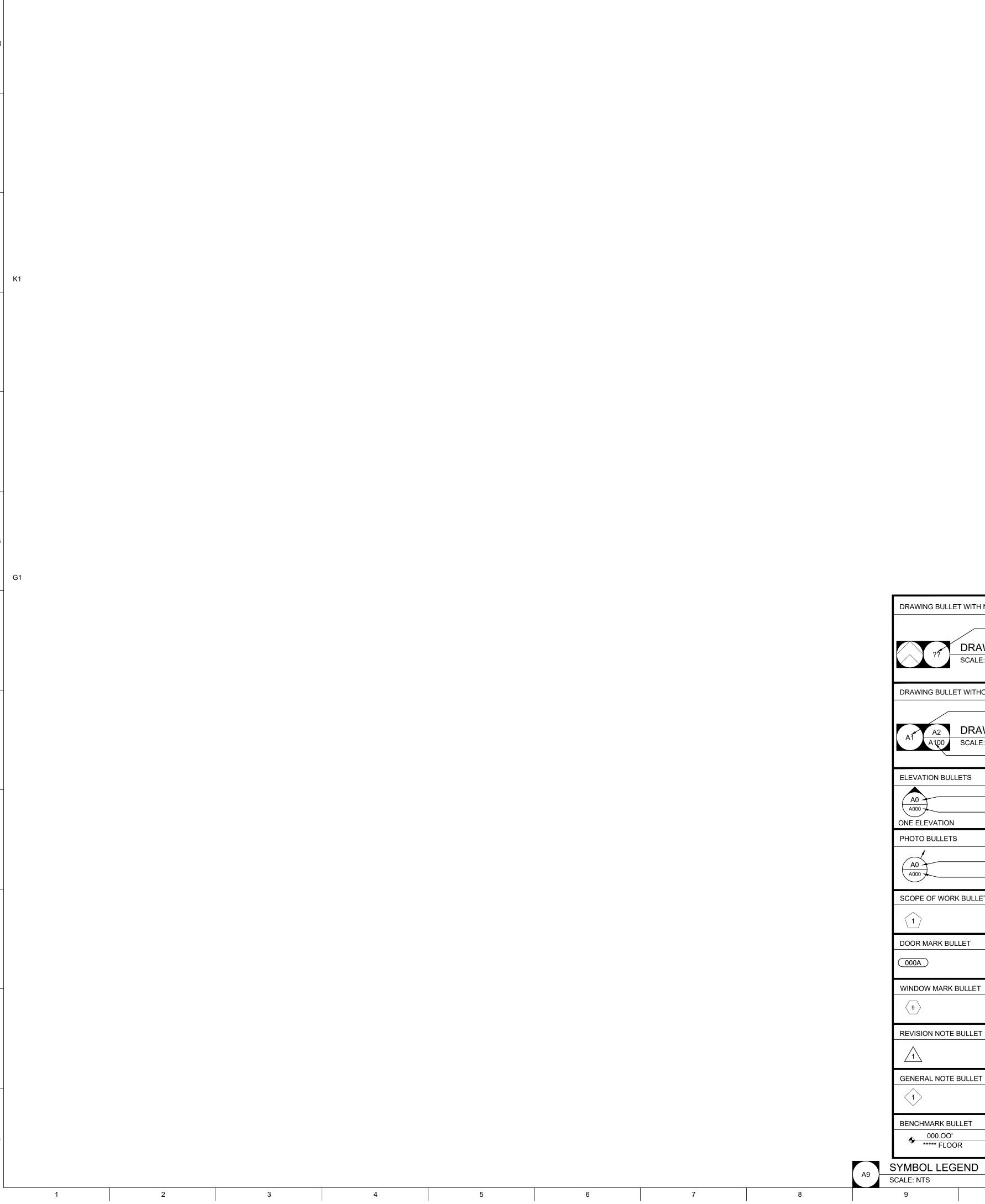
SHEET NUMBER:

2 OF 17 SHEETS 07/07/2022

LOCATION MAP

STATE OF MISSOURI MAP SCALE: N.T.S.

PROJECT LOCATION WITHIN BUILDING



CODE SUMMARY					
CODE REQUIREMENT		2018 INTERNATIONAL BUILDING CODE (IBC)			
MAIN USE GROUP(S)	[IBC] 312	MIXED USE A-3, B, S			
AUTOMATIC SPRINKLERS	[IBC] 903.2	NO			
MINIMUM CONSTRUCTION CLASSIFICATION	IBC1 602	TYPE 3B			

DRAWING BULLET WITH NORTH ARROW	
	GRID REFERENCE
DRAWING TITLE  SCALE: X/X" = 1'-0"	ARCH. SCALE
DRAWING BULLET WITHOUT NORTH ARROW	
	GRID REFERENCE
A2 DRAWING TITLE A100 SCALE: X/X" = 1'-0"	ARCH. SCALE  PAGE FIRST REFERENCED (IF APPLICABLE)
ELEVATION BULLETS	PLAN/ELEVATION DETAIL BULLET
GRID REFERENCE  SHEET NUMBER  ONE ELEVATION	GRID REFERENCE
PHOTO BULLETS  GRID REFERENCE SHEET NUMBER	SECTION BULLET  A1  A100  SHEET NUMBER
SCOPE OF WORK BULLET	GRID REFERENCE ALWAYS ON TOP
	A100 SHEET NUMBER
DOOR MARK BULLET  000A	NORTH ARROW
WINDOW MARK BULLET	
REVISION NOTE BULLET	COLUMN LINE BULLETS
1	
GENERAL NOTE BULLET	(A)
1	SPOT ELEV. BULLETS
BENCHMARK BULLET  000.OO'  ****** FLOOR	TC - TOP OF CURB TG - TOP OF GRADE TW - TOP OF WALL TP - TOP OF PAVING

LARGE	SCALE	SMALL S	SCALE
BRICK MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE	4 . 4 . 4 . 4		PLAN, SECTION
GYPSUM BOARD			PLAN, SECTION
			ELEVATION
GROUTED AREA OF: CMU/CAVITY/DOOR FRAME			PLAN, SECTION
MISCELLANEOUS ITEMS: AS NOTED ON EACH SHEET			PLAN, SECTION, ELEVATION
INSULATION	***************************************		PLAN, SECTION
ROOF SHINGLES			PLAN, ELEVATION
CONTINUOUS WOOD FRAMING			PLAN, SECTION
WOOD BLOCKING			PLAN, SECTION
PLYWOOD	///		PLAN, SECTION
EXISTING BUILDING			PLAN, SECTION

MATERIAL LEGEND
SCALE: NTS

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR





OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 N ROGER WILSON DR COLUMBIA, MO

PROJECT # T2139-01 SITE # 6289 ASSET # 81362890001

REVISION:
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ISSUE DATE: 07/07/2022

CAD DWG FILE:G-102
DRAWN BY: MM
CHECKED BY: EM
DESIGNED BY: MM / EM

SHEET TITLE:

GENERAL NOTES & LEGENDS

SHEET NUMBER:

G-102

### MASONRY

MASONRY WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 530.1 SPECIFICATIONS FOR MASONRY STRUCTURES WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

- 1. HOLLOW MASONRY BLOCK SHALL CONFORM TO ASTM C90 REGULAR WEIGHT GRADE N1.
- 2. COURSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
- 3. MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270. AVERAGE COMPRESSIVE STRENGTH IS 2,000
- 4. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF MASONRY; f'm = 2,000 PSI.
- 5. WIRE REINFORCING SHALL CONFORM TO ASTM A82, STANDARD TRUSS—TYPE DUR—O—WALL REINFORCING (OR APPROVED EQUAL) AND SHALL BE PLACED CONTINUOUSLY IN ALTERNATE HORIZONTAL MORTAR
- 6. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, OR A617, GRADE 60. THE MINIMUM LAP FOR SPLICES SHALL BE 48 BAR DIAMETERS. PROVIDE DUR-0-WAL REBAR POSITIONERS.
- 7. ALL STEEL LINTELS TO BE A36 STEEL OR A992 GRADE 50. ALL LINTELS TO BE HOT DIPPED
- 8. INTERSECTING STRUCTURAL WALLS SHALL BE ANCHORED BY STEEL CONNECTORS SPACED VERTICALLY AT 48" O.C. MAXIMUM. THE CONNECTORS SHALL CONFORM TO ASTM A36 AND SHALL HAVE A MINIMUM SECTION OF ¼" x 1½". THEY SHALL BE 28" LONG WITH 2" AT EACH END BENT AT 90 DEGREES TO FORM A "U" OR "Z" SHAPE. ALL CELLS ABOVE AND BELOW THE ANCHOR SHALL BE GROUTED, AND THE BENT ENDS OF THE CONNECTORS SHALL BE EMBEDDED IN THE GROUT, 2' MIN.
- 9. EXPANSION JOINTS SHALL BE PROVIDED IN CMU BLOCK WALLS FULL HEIGHT OF WALL AT INTERVALS NOT EXCEEDING 24'-O". NOT CLOSER THAN 2'-O" FROM OPENINGS JOINT REINFORCING SHALL BE SEVERED AT EXPANSION JOINT LOCATIONS, HOWEVER BOND BEAM REINFORCING SHALL BE CONTINUOUS THROUGH THE JOINT.
- 10. BOND BEAMS OR GROUTED CELLS ARE REQUIRED AT ALL CONNECTIONS TO CMU.

### STRUCTURAL STEEL

- 1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AND CURRENT OSHA STANDARDS.
- 2. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. STRUCTURAL TUBES SHALL CONFORM TO ASTM A500 GRADE B. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
- 3. BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO ASTM A325-N, SIZE AS PER PLAN.
- 4. ANCHOR BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO
- ASTM F1554 GRADE 36.
- 5. SPLICING OF STRUCTURAL STEEL IS PROHIBITED EXCEPT AS DETAILED.
- 6. ALL STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL RECEIVE ONE COAT OF "IRONCLAD RETARDO RUST INHIBITIVE PAINT 163" (BENJAMIN MOORE) OR APPROVED EQUAL UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS. ALL STEEL SURFACES EMBEDDED IN CONCRETE SHALL NOT BE PAINTED. PREPARATION OF STEEL SURFACES SHALL MEET THE REQUIREMENTS OF THE STEEL STRUCTURES PAINTING COUNCIL (SSPC—SP1) AND THE REMOVAL OF GREASE AND OIL BY SOLVENT CLEANING (SSPC—SP1) AND THE REMOVAL OF MILL SCALE, RUST, WELD FLUX AND SLAG BY HAND TOOL CLEANING (SSPC—SP2). PRIMER SHALL BE APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE BUT NOT LESS THAN ONE GALLON PER 400 SQ.FT. THEREBY DEPOSITING A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. ANY SCARRED AREAS SHALL BE TOUCHED UP WITH THE SAME PAINT AFTER ERECTION.
- 7. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS STRUCTURAL WELDING CODE. WELDING ELECTRODES SHALL BE E70XX.

### POST-INSTALLED ANCHORS

- ALL POST-INSTALLED ANCHORS SHALL MEET THE REQUIREMENTS OF THE CODE-CITED EDITION OF ACI 318, APPENDIX "D", AND SHALL BE ACCEPTABLE FOR BOTH CRACKED AND UNCRACKED CONCRETE.
   EXPANSION ANCHORS HAVE BEEN DESIGNED AS HILTI KWIK BOLT TZ ANCHORS, UNLESS NOTED
- OTHERWISE.

  3. ADHESIVE ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOLID
- ADHESIVE ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOL MASONRY, UNLESS NOTED OTHERWISE.
   EQUIVALENT ANCHORS MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL. SUBMITTALS ARE THE
- CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).

  5. EMBEDMENT DEPTH IS DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD—BEARING BASE
- MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE BUT NOT YET EXPANDED.
- ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG—TERM LOADING. WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG F, ONLY NON—EPOXY—BASED ADHESIVES SHALL BE USED.
   POST—INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST—INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST—IN—PLANE ANCHORS. CARE SHALL BE TAKEN TO AVOID
- MANUFACTURER'S SPECIFICATIONS.

  8. STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL PERMANENTLY EXPOSED WEATHER CONDITIONS.

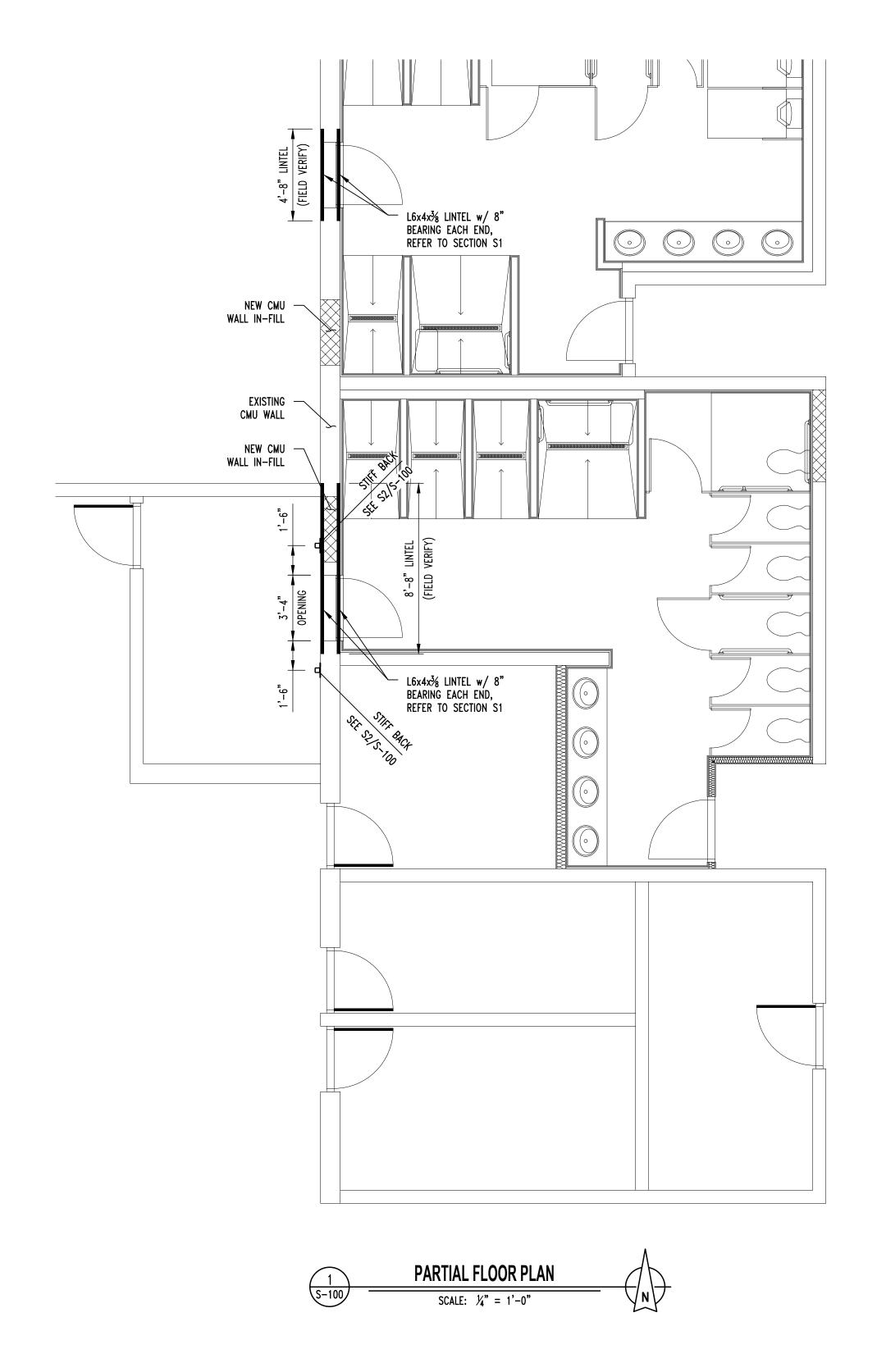
CONFLICTS WITH EXISTING REINFORCING BARS. HOLES SHALL BE DRILLED AND CLEANED PER ANCHOR

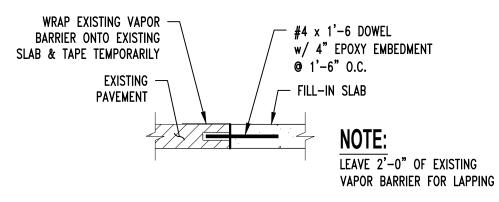
### SPECIAL INSPECTIONS

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

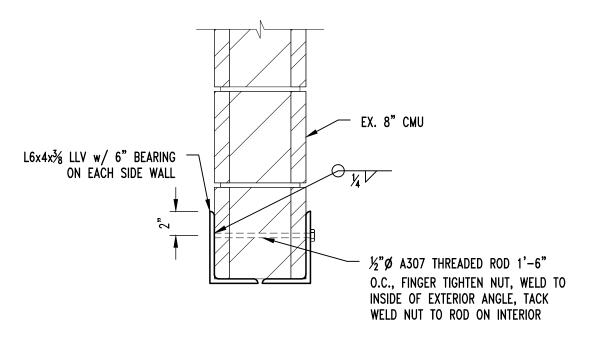
- a. BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)
- b. STRUCTURAL STEEL FABRICATIONS (UNLESS AISC APPROVED)
- (PERIODIC)
  c. STRUCTURAL STEEL BOLTING & WELDING (PERIODIC)
- d. POST INSTALLED ANCHORS IN CONCRETE (CONTINUOUS)
- e. MASONRY AND REINFORCING STEEL (CONTINUOUS ON CELL GROUTING / PERIODIC ON REINFORCING)

THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.

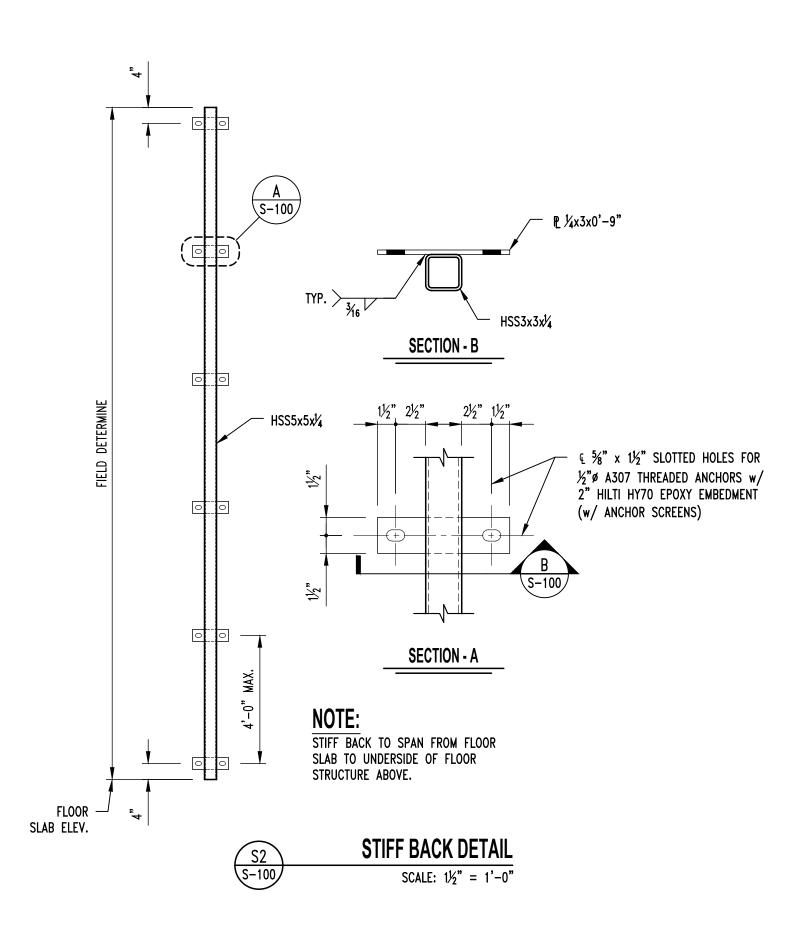




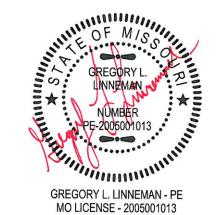
TYP. FILL-IN SLAB SECTION
SCALE: 3/4" = 1'-0"



NEW MASONRY OPENING
SCALE: 1½" = 1'-0"



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



Peckham & Wright Architects, Inc., d.b.a.

PWArchitects, Inc.

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Columbia, Missouri 65203
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Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

STRUCTURAL ENGINEER:

ENGINEERING CONSULTANTS
1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
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www.crockettengineering.com
Crockett Engineering Consultants, LLC

Missouri Certificate of Authority

#2000151301

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 N ROGER WILSON DR COLUMBIA, MO

PROJECT # T2139-01 SITE # 6289 ASSET # 81362890001

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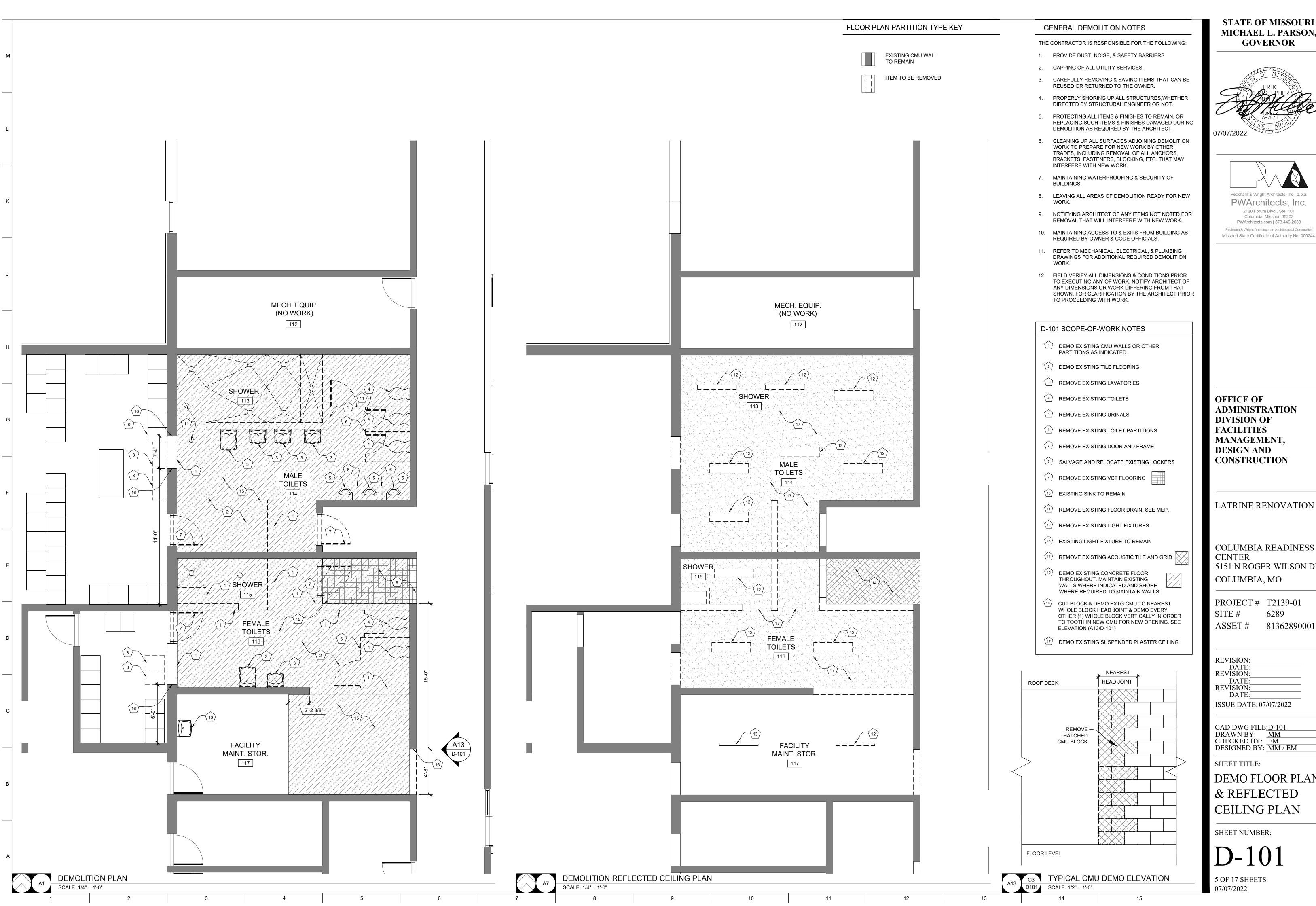
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DRAWN BY: RCA
CHECKED BY: GLL
DESIGNED BY: GLL

SHEET TITLE:

PARTIAL FLOOR PLAN & DETAILS

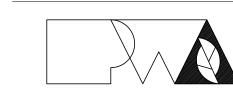
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S-100



MICHAEL L. PARSON,



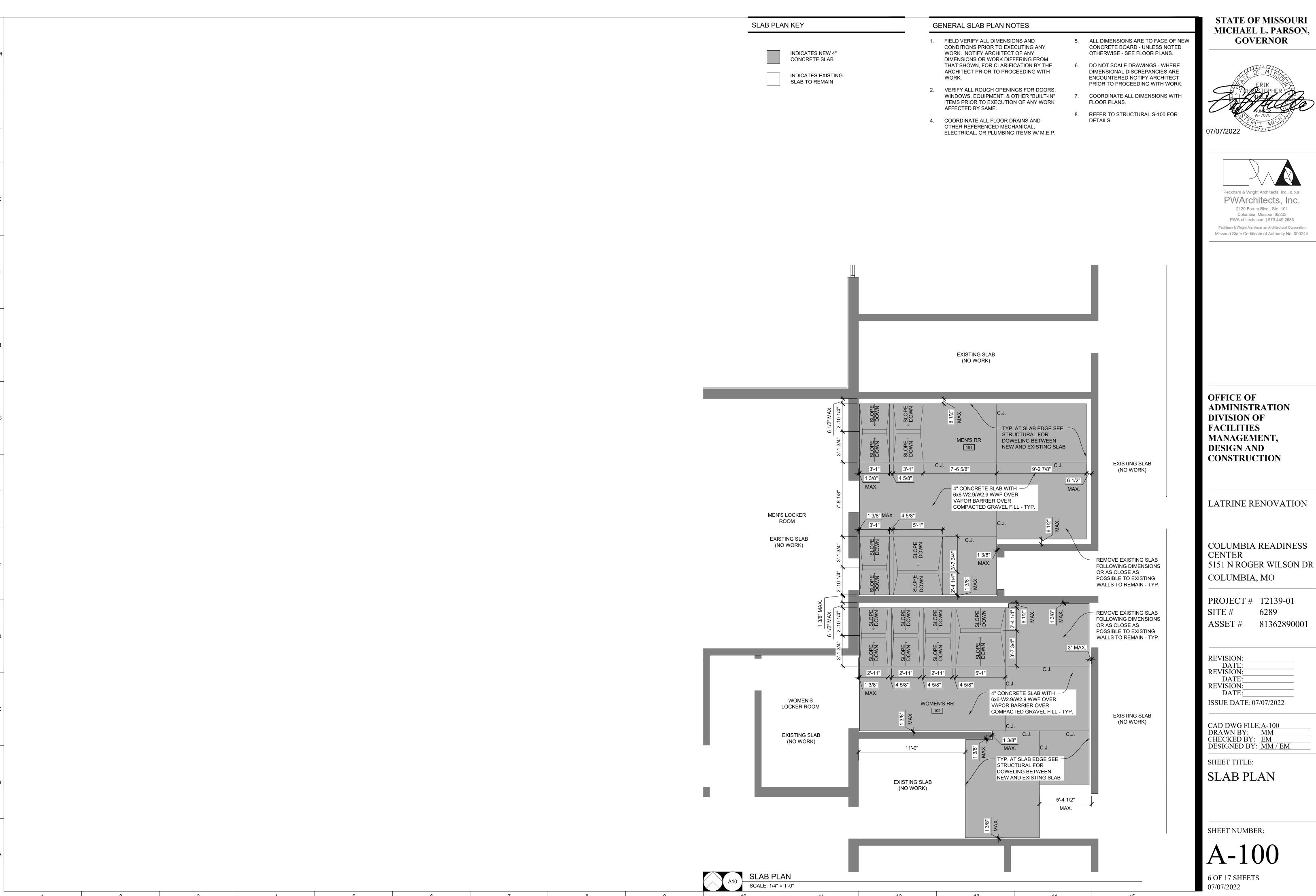


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COLUMBIA READINESS 5151 N ROGER WILSON DR

81362890001

DEMO FLOOR PLAN





### GENERAL FLOOR PLAN NOTES

- 1. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY ARCHITECT OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN, FOR CLARIFICATION BY THE ARCHITECT PRIOR TO PROCEEDING WITH
- VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
- 3. LOCATE DOOR OPENINGS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6" FROM FINISH WALL TO FINISH JAMB.
- 4. COORDINATE ALL FLOOR DRAINS AND OTHER REFERENCED MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS W/ M.E.P.
- 5. COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
- 6. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY UNLESS OTHERWISE NOTED.
- 7. DO NOT SCALE DRAWINGS WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- 8. COORDINATE HEIGHTS OF OUTLETS & SWITCHING WITH ALL ARCHITECTURAL ITEMS. SEE M/E DRAWINGS FOR LOCATIONS.

### GENERAL CEILING PLAN NOTES

- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS.
- REFER TO MECHANICAL DRAWINGS FOR
   SUPPLY AND RETURN AIR DIFFUSER LOCATIONS

AND HVAC SYSTEM LAYOUT.

- 3. COORDINATE CEILING / SOFFIT FRAMING AND SUPPORTS WITH EXISTING STRUCTURE AND REQUIRED MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN.
- 4. REFER TO ROOM FINISH SCHEDULE AND LEGEND FOR ALL CEILING HEIGHTS AND FINISH REQUIREMENTS.

## O7/07/2022

STATE OF MISSOURI

MICHAEL L. PARSON, GOVERNOR



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### 2120 Forum Blvd., Ste. 101 Columbia, Missouri 65203

3-5/8" STEEL STUD WITH 1/2" CONCRETE BOARD AND CERAMIC TILE

FLOOR PLAN PARTITION TYPE KEY

EXISTING CMU WALL

EXISTING CMU WALL WITH 7/8" HAT CHANNEL 1/2" CONCRETE BOARD, AND CERAMIC TILE

6" STEEL STUD WITH 1/2"
CONCRETE BOARD AND
CERAMIC TILE

NEW MASONRY INFILL

### A-101 SCOPE-OF-WORK NOTES

- INFILL EXISTING OPENING WITH CONCRETE MASONRY MATCH EXISTING THICKNESS & TOOTH IN TO MATCH EXISTING COURSING
- PAINT EXISTING WALLS AND NEW CONCRETE MASONRY INFILL TO MATCH EXISTING
- 3 LOCKERS BY OWNER
- 4 INSTALL OVERHEAD BRACED TOILET PARTITIONS
  BASE BID: METAL
  ALTERNATE #2 BID: HDPE
- 5 NEW EXHAUST FAN SEE MEP
- 6 NEW LIGHT FIXTURE SEE MEP
- NEW MOLD / MOISTURE RESISTANT GYPSUM CEILING ON SUSPENDED FRAMING SYSTEM.
  MATCH EXISTING SUSPENSION SYSTEM & HEIGHT.
- 8 PATCH, FILL, AND PAINT CAST BLOCK.
- 9 EXISTING LAVATORY TO REMAIN
- INSTALL NEW VCT FLOORING TO MATCH EXISTING. TOOTH IN TO EXISTING.
- ACCESSIBLE RESTROOM SIGN SEE A12/A-102 & D12/A-102 FOR DETAILS
- NEW MOLD / MOISTURE RESISTANT GYPSUM CEILING. MATCH SUSPENSION SYSTEM HEIGHT.
- (13) STIFF BACK SEE STRUCTURAL S-100

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND

**CONSTRUCTION** 

LATRINE RENOVATION

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COLUMBIA, MO

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DESIGNED BY: MM / EM

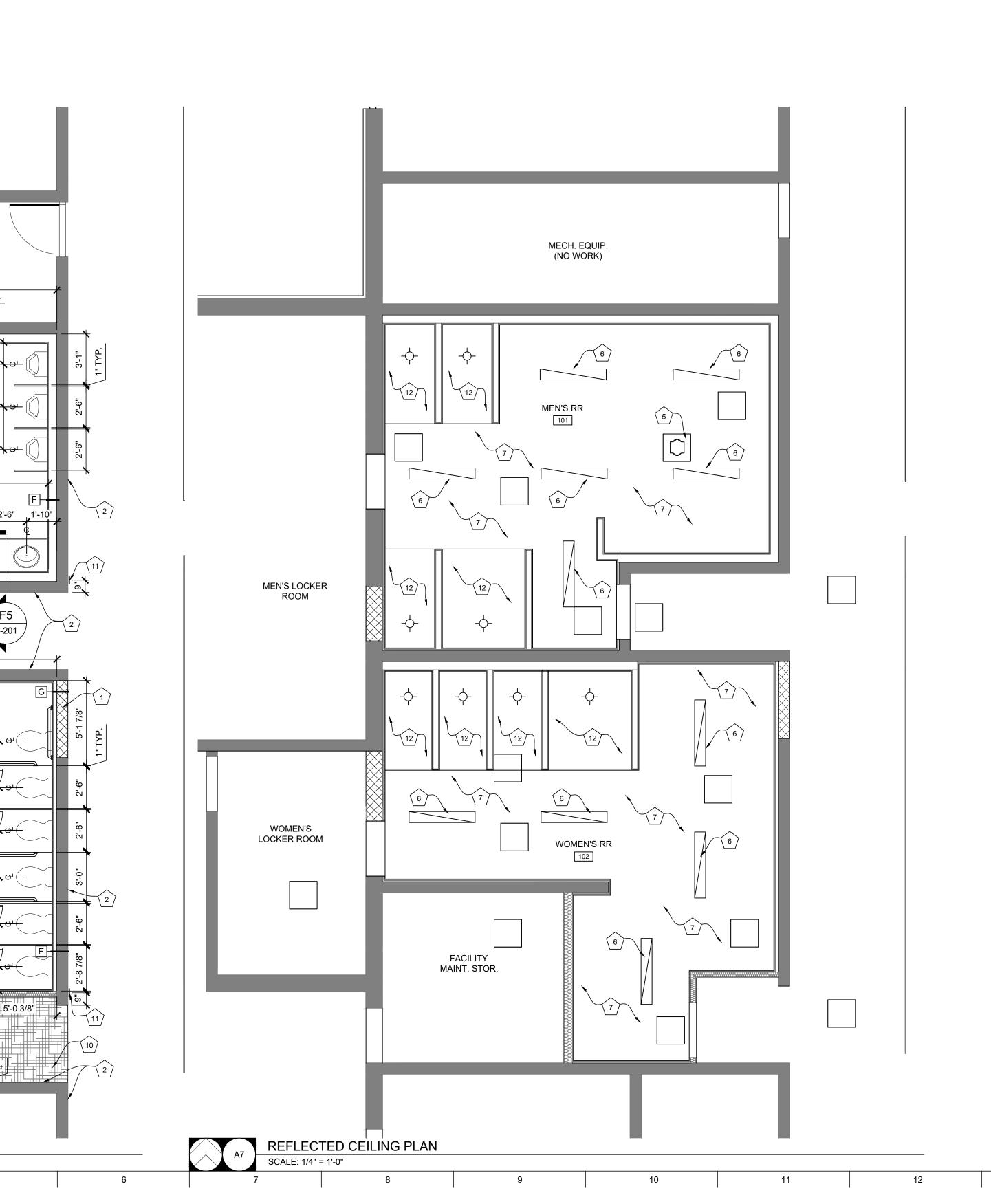
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FLOOR PLAN & REFLECTED CEILING PLAN

SHEET NUMBER:

A-101

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FINISH FLOORING NOTE - NEW RESTROOMS ONLY

ALTERNATE #3 BID: EPOXY FLOORING & COVE BASE

MECH. EQUIP.

5'-8 1/4"

A-201

MEN'S LOCKER ROOM

> WOMEN'S LOCKER ROOM

FLOOR PLAN

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

3'-2"

WOMEN'S RR

102

11'-0"

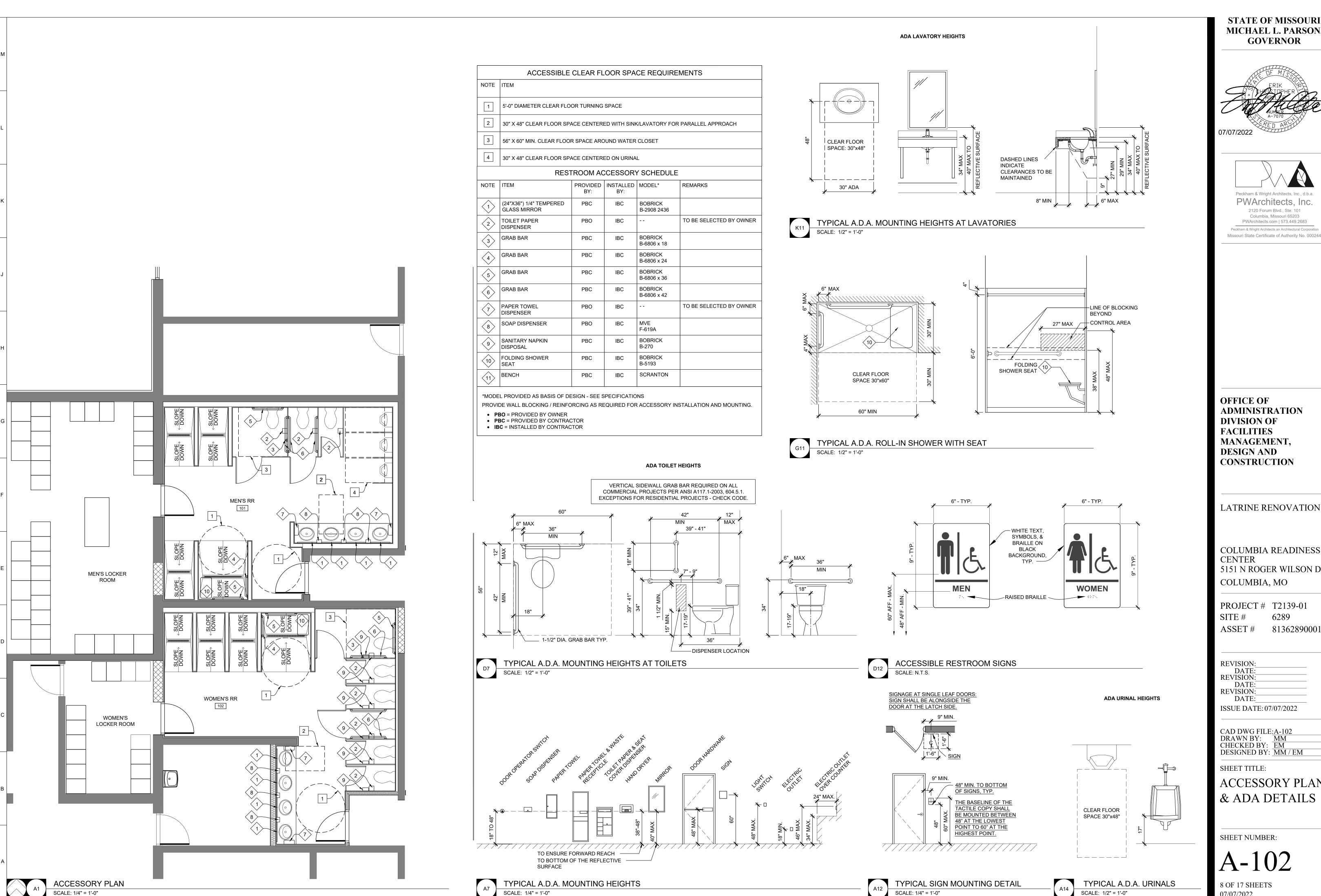
FACILITY MAINT. STOR.

A-201

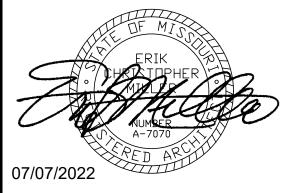
(NO WORK)

16'-11 7/8" +/-

BASE BID: SEALED CONCRETE & TILE COVE BASE



STATE OF MISSOURI MICHAEL L. PARSON,





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**ADMINISTRATION** 

LATRINE RENOVATION

COLUMBIA READINESS 5151 N ROGER WILSON DR

PROJECT # T2139-01

**ACCESSORY PLAN** & ADA DETAILS

07/07/2022

### GENERAL ELEVATION NOTES

RESTROOM ACCESSORY SCHEDULE

PROVIDED | INSTALLED | MODEL\*

IBC

PROVIDE WALL BLOCKING / REINFORCING AS REQUIRED FOR ACCESSORY INSTALLATION AND MOUNTING.

BOBRICK

BOBRICK

BOBRICK

BOBRICK

BOBRICK

F-619A

B-270

BOBRICK

BOBRICK

SCRANTON

CERAMIC TILE

B-5193

B-6806 x 18

B-6806 x 24

B-6806 x 36

B-6806 x 42

B-2908 2436

PBC

PBO

PBC

PBC

PBC

PBC

PBO

PBO

PBC

PBC

PBC

\*MODEL PROVIDED AS BASIS OF DESIGN - SEE SPECIFICATIONS

- CERAMIC TILE

- SEE WALL SECTIONS FOR ADDITIONAL DETAILS, MATERIALS, NOTES, AND DIMENSIONS.
- 2. SEE SITE PLAN FOR EXACT FINISH GRADE ELEVATIONS.

REMARKS

TO BE SELECTED BY OWNER

TO BE SELECTED BY OWNER

### STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





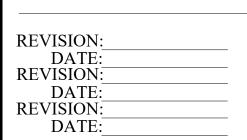
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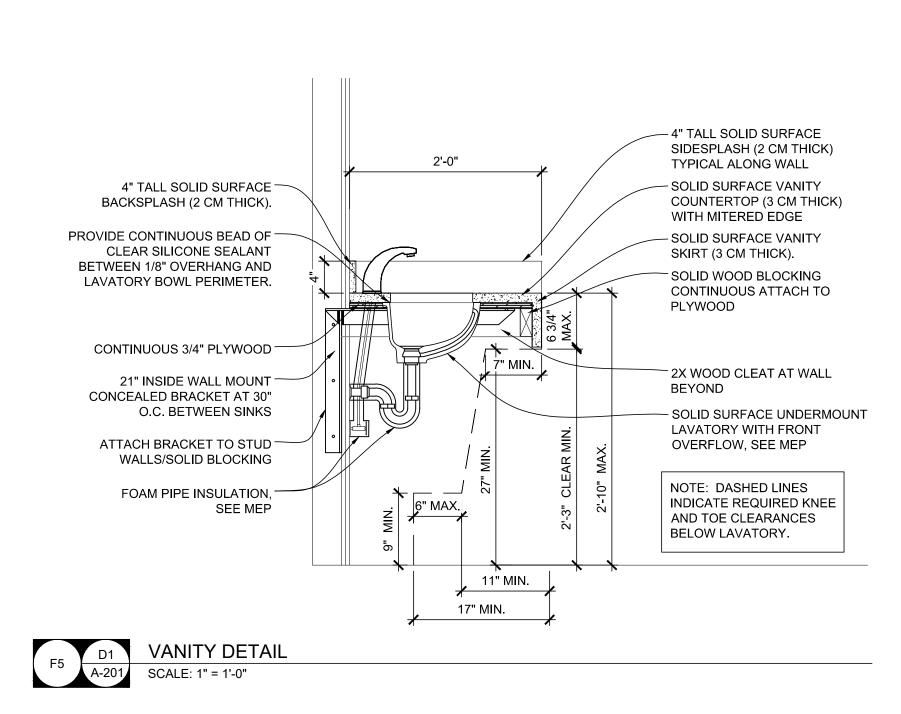
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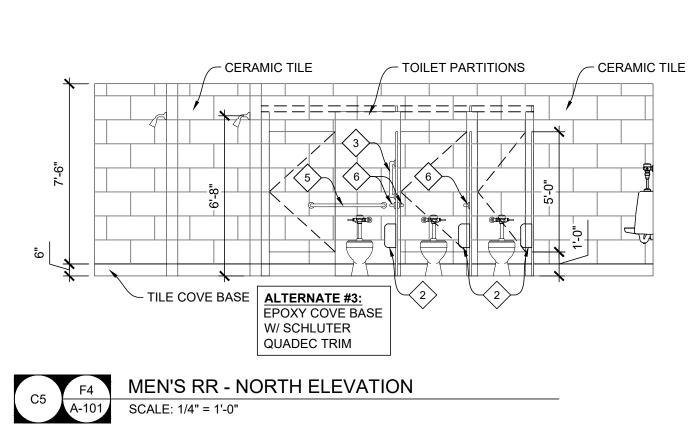
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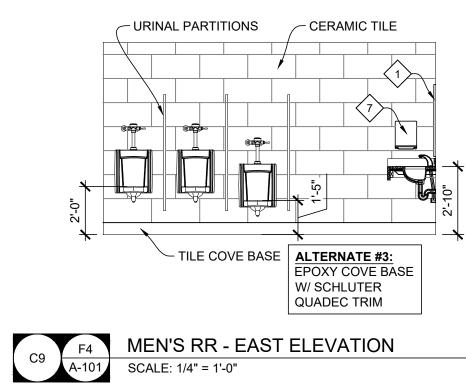
**ELEVATIONS &** DETAILS

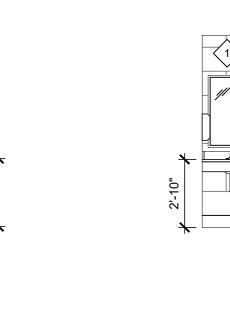
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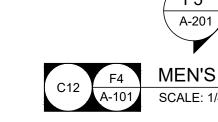
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C12 F4 MEN'S RR - SOUTH ELEVATION
A-101 SCALE: 1/4" = 1'-0"

NOTE | ITEM

 $\langle 4 \rangle$ 

10>

(24"X36") 1/4" TEMPERED

GLASS MIRROR

TOILET PAPER

GRAB BAR

GRAB BAR

GRAB BAR

GRAB BAR

PAPER TOWEL

SOAP DISPENSER

SANITARY NAPKIN

FOLDING SHOWER

PBO = PROVIDED BY OWNERPBC = PROVIDED BY CONTRACTOR

• IBC = INSTALLED BY CONTRACTOR

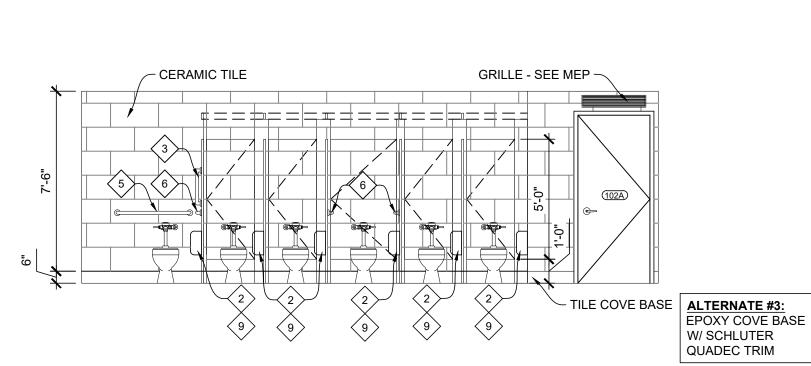
DISPENSER

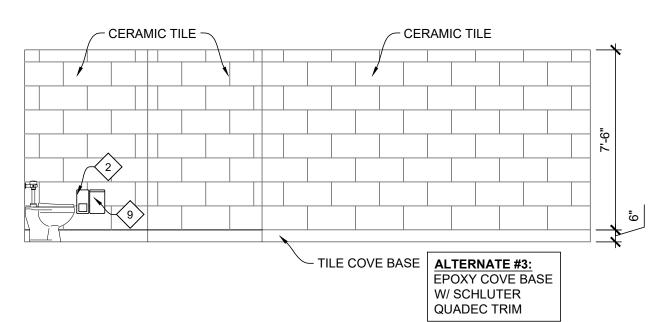
DISPOSAL

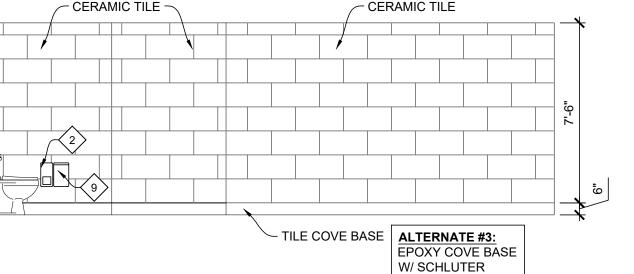
SEAT

BENCH

2 TOILET PAPER DISPENSER







- TILE COVE BASE | ALTERNATE:

EPOXY COVE BASE W/ SCHLUTER

QUADEC TRIM

WOMEN'S RR - NORTH ELEVATION SCALE: 1/4" = 1'-0"

WOMEN'S RR - WEST ELEVATION

- CERAMIC TILE

(101B)

W/ SCHLUTER QUADEC TRIM

- CERAMIC TILE

- TILE COVE BASE | ALTERNATE #3: EPOXY COVE BASE

W/ SCHLUTER

QUADEC TRIM

TOILET PARTITIONS -

TILE COVE BASE

ALTERNATE #3:
EPOXY COVE BASE

W/ SCHLUTER

QUADEC TRIM

CERAMIC TILE

TILE COVE BASE ALTERNATE #3: EPOXY COVE BASE

MEN'S RR - WEST ELEVATION

F5

A-201

CERAMIC TILE -

WOMEN'S RR - EAST ELEVATION

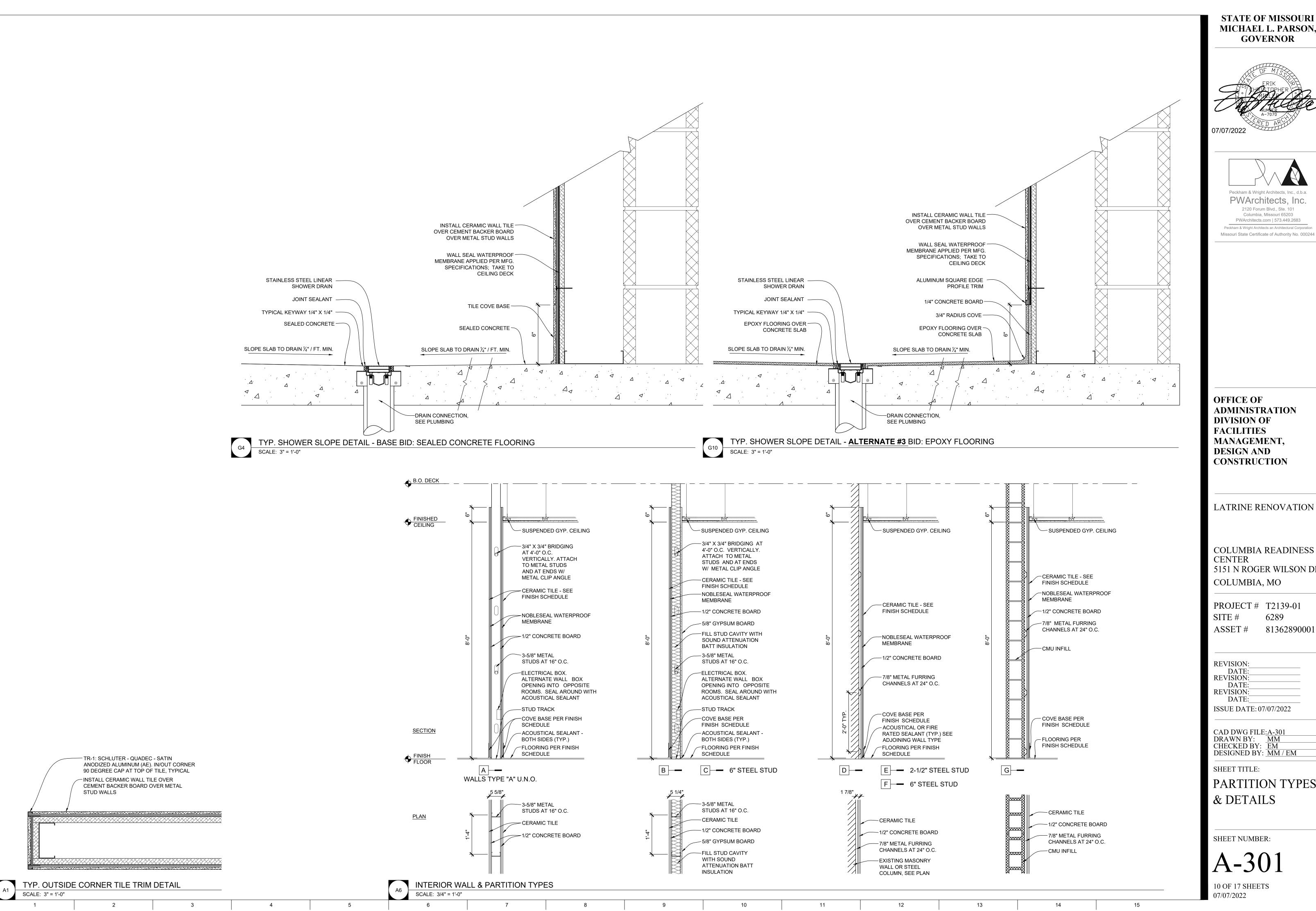
WOMEN'S RR - SOUTH ELEVATION SCALE: 1/4" = 1'-0"

WOMEN'S RR - SOUTH ELEVATION

TILE COVE BASE ALTERNATE #3: EPOXY COVE BASE

W/ SCHLUTER

QUADEC TRIM



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





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

LATRINE RENOVATION

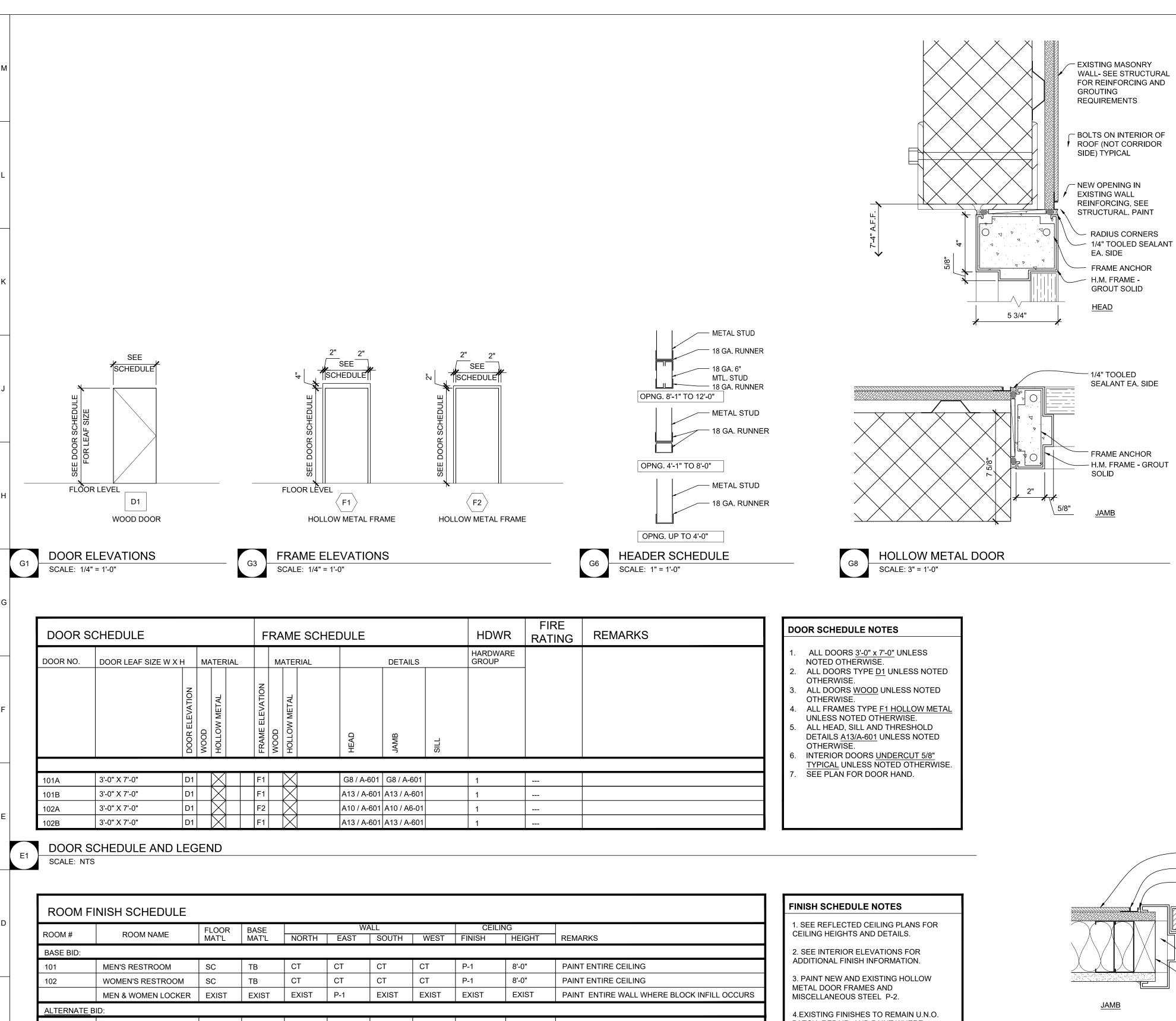
COLUMBIA READINESS 5151 N ROGER WILSON DR COLUMBIA, MO

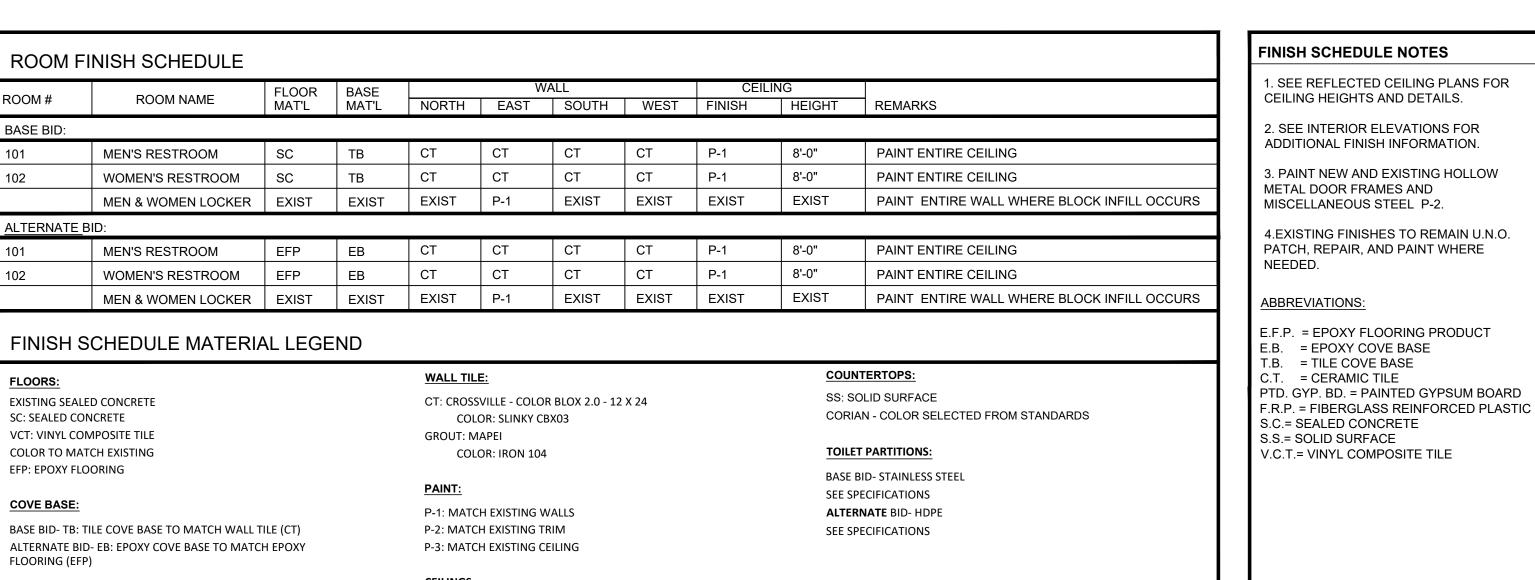
81362890001

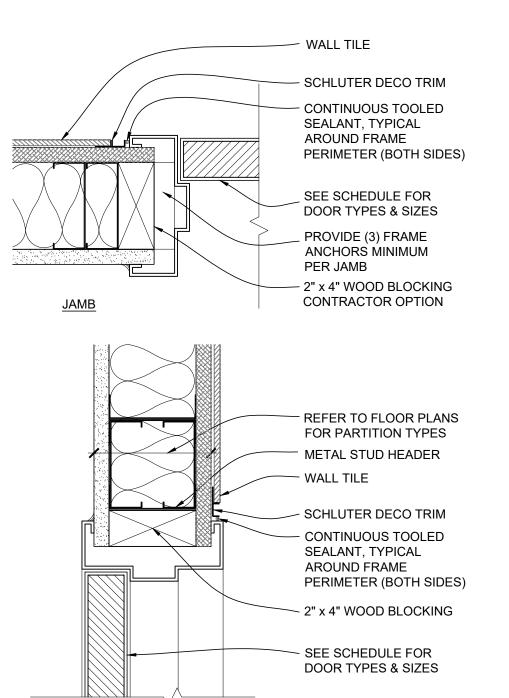
ISSUE DATE: 07/07/2022

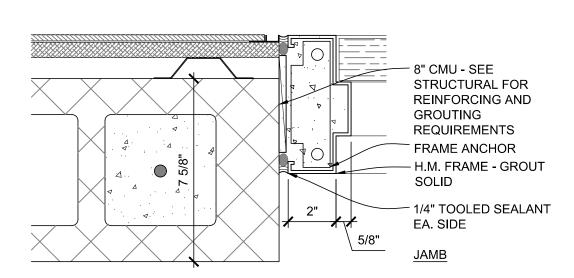
CAD DWG FILE:A-301 DRAWN BY: MM CHECKED BY: EM DESIGNED BY: MM / EM

PARTITION TYPES & DETAILS









5 3/4"

△. ∢

HOLLOW METAL DOOR SCALE: 3" = 1'-0"

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

GENERAL DOOR DETAIL NOTES

AFFECTED BY SAME.

1. FIELD VERIFY ALL DIMENSIONS AND

CONDITIONS PRIOR TO EXECUTING ANY

DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN, FOR CLARIFICATION BY THE

ARCHITECT PRIOR TO PROCEEDING WITH

VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN"

ITEMS PRIOR TO EXECUTION OF ANY WORK

3. LOCATE DOOR OPENINGS IN METAL STUD WALLS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6"

FROM FINISH WALL TO FINISH JAMB.

5. LOCATE DOOR OPENINGS IN CMU WALLS

WHICH ARE NOT DIMENSIONED OTHERWISE,

8" CMU BOND BEAM -

1/4" TOOLED SEALANT

SEE STRUCTURAL.

RADIUS CORNERS

FRAME ANCHOR

**GROUT SOLID** 

EA. SIDE

<u>HEAD</u>

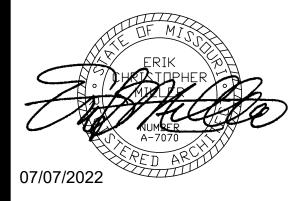
CENTERED IN WALL AND 8" FROM FINISH

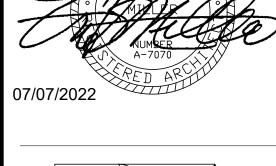
4. SEE DOOR SCHEDULE FOR DOOR

DIMENSIONS AND DETAILS.

WALL TO FINISH JAMB.

WORK. NOTIFY ARCHITECT OF ANY







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LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 W ROGER WILSON DR COLUMBIA, MO

PROJECT # T2139-01 6289 81362890001

**REVISION:** DATE: **REVISION:** DATE: **REVISION:** DATE: ISSUE DATE: 07/07/2022

CAD DWG FILE:A-601 DRAWN BY: MM CHECKED BY: EM

DESIGNED BY: MM / EM

SHEET TITLE:

SCHEDULES & DETAILS

SHEET NUMBER:

11 OF 17 SHEETS 07/07/2022

H.M. FRAME DETAIL WITH WALL TILE @ JAMB

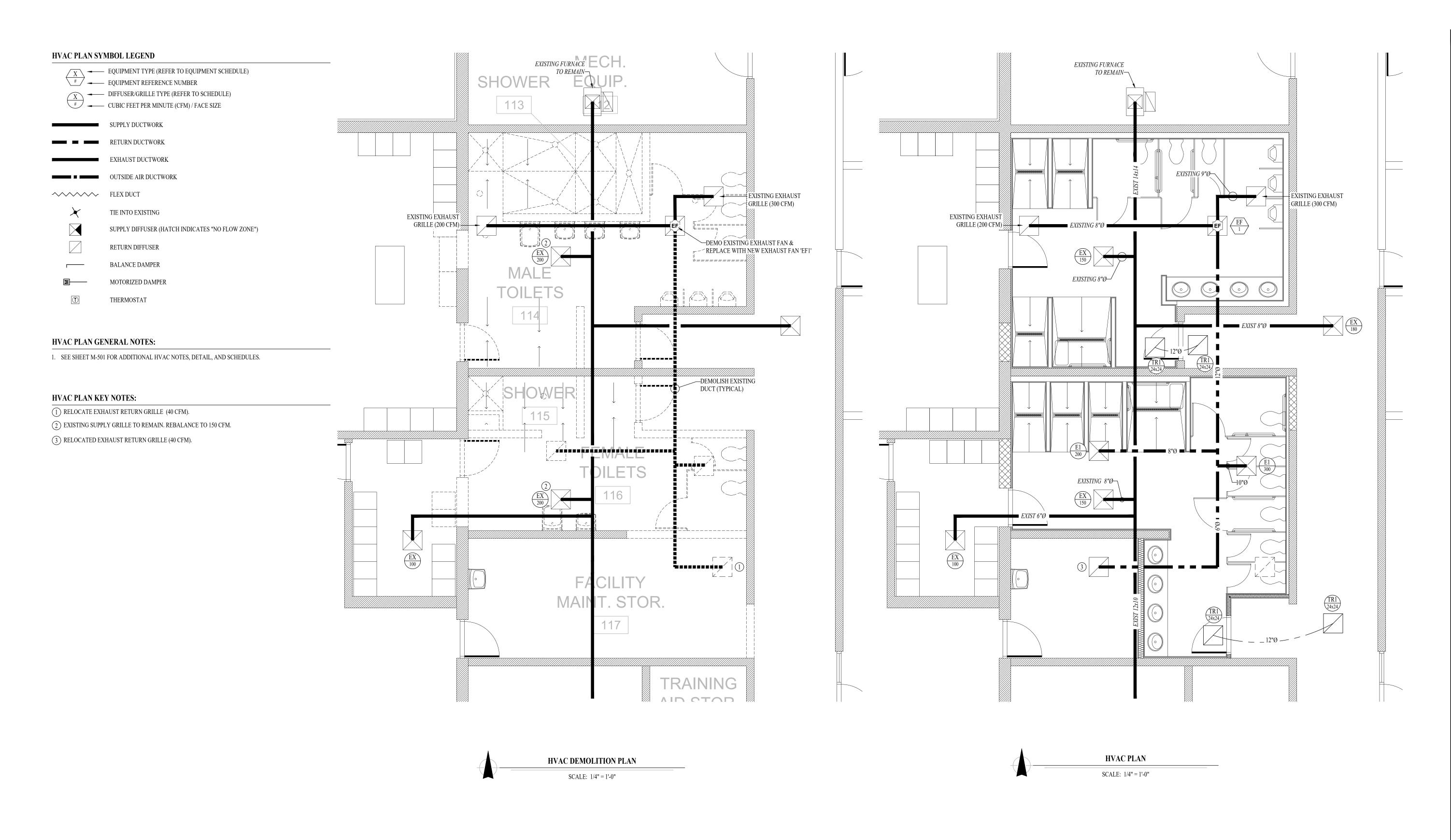
<u>HEAD</u>

SCALE: 3" = 1'-0"

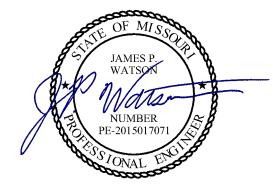
FINISH SCHEDULE AND LEGEND

PTD. GYPSUM BOARD: P-3

SCALE: NTS



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

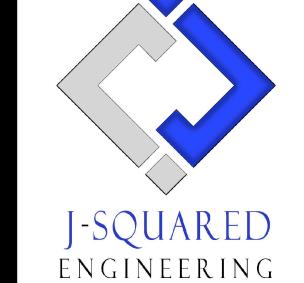


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LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 ROGER I WILSON DR COLUMBIA, MO 65202

PROJECT # T2139-01 6289 ASSET # 81362890001

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

ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661
DRAWN BY: NP
CHECKED BY: JPW DESIGNED BY: JAP

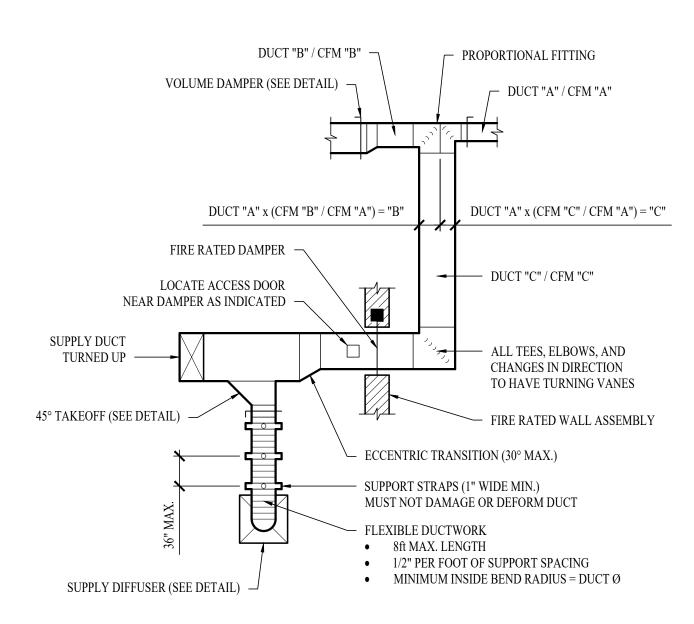
SHEET TITLE:

HVAC PLAN

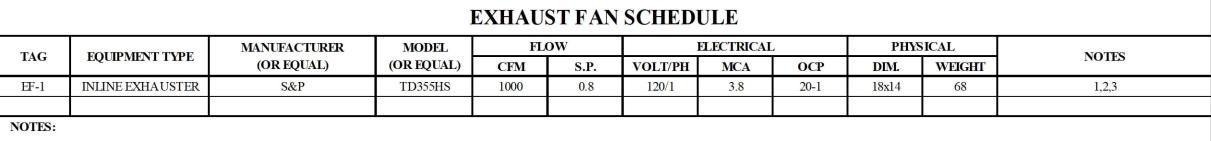
SHEET NUMBER:

### **HVAC SPECIFICATIONS**

- EQUIPMENT
- 1.1. ALL EQUIPMENT MUST PROVIDE THE PERFORMANCE SPECIFIED ON PLANS. WHERE SPECIFIC MAKES AND MODELS ARE INDICATED ON PLAN, CONTRACTOR TO PROVIDE MODEL INDICATED OR APPROVED EQUAL.
- 1.2. CONTRACTOR TO SUPPLY SUBMITTALS FOR ALL EQUIPMENT FOR REVIEW BY ARCHITECT AND ENGINEER PRIOR TO PURCHASE.
- 2. DUCTWORK 2.1. DUCTWORK TO BE GALVANIZED STEEL, SEAL CLASS B, CONSTRUCTED PER SMACNA
- STANDARDS. 26 GA. MINIMUM UP TO 16" DUCT, 24 GA. UP TO 20", 22 GA. UP TO 24", 20 GA. UP TO 28", AND 18
- GA. UP TO 36".
- TURNING VANES TO BE PROVIDED AND INSTALLED AT ALL 90° BENDS AND TEES. DUCT DIMENSIONS LISTED ARE TO INTERIOR OF DUCT LINER.
- BALANCE DAMPERS MUST BE PROVIDED TO ALLOW ADJUSTMENT AT EACH AIR TERMINAL.
- WHERE BRANCH TAKEOFF IS ACCESSIBLE (ABOVE LAY-IN CEILING OR EXPOSED DUCT), THE BALANCE DAMPER IS TO BE INSTALLED AT TAKEOFF.
- WHERE TAKEOFF IS INACCESSIBLE (IN ATTIC OR SOFFIT), THE BALANCE DAMPER IS TO BE LOCATED SO IT IS ACCESSIBLE FROM FACE OF AIR DEVICE.
- HVAC CONTRACTOR RESPONSIBLE FOR ALL DUCTWORK TRANSITIONS AND FITTINGS AS REQUIRED FOR FINAL CONNECTIONS TO HVAC EQUIPMENT.
- 3. INSULATION 3.1. DUCTWORK
- SEE "TYPICAL DUCT INSULATION DIAGRAM" FOR INSTALLATION SPECIFIC 3.1.1.
- REQUIREMENTS. INTERNAL DUCT LINER TO BE EQUAL TO 'JOHNS MANVILLE LINACOUSTIC R-300'.
- EXTERNAL DUCT WRAP TO INCLUDE VAPOR BARRIER. EQUAL TO 'JOHNS MANVILLE MICROLITE' WITH FSK JACKET.
- 4. WORKMANSHIP COORDINATE WITH OTHER TRADES SO THAT HVAC EQUIPMENT AND DUCT WORK DOES NOT
- BLOCK REQUIRED ACCESS OR CLEARANCE TO EQUIPMENT. ALL HVAC EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S PUBLISHED
- RECOMMENDATIONS.
- ALL EQUIPMENT TO BE INSTALLED LEVEL AND PLUMB.
- ROOFTOP MOUNTED RTUS TO BE INSTALLED ON CURBS PER MANUFACTURES INSTRUCTIONS. GRADE MOUNTED RTUS, CONDENSING UNITS, AND HEAT PUMPS TO BE INSTALLED ON 4" REINFORCED CONCRETE PAD EXTENDING 4" BEYOND EACH EDGE OF THE EQUIPMENT, OR A
  - MANUFACTURER APPROVED PRE-MANUFACTURED BASE.



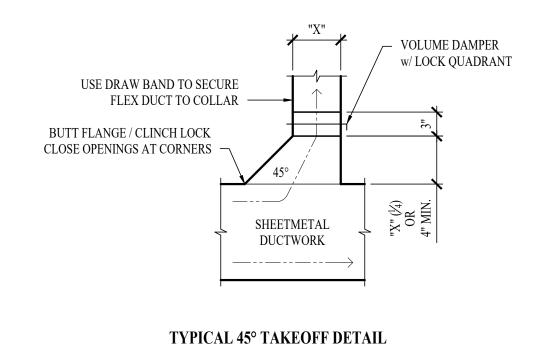
TYPICAL DUCTWORK DETAIL

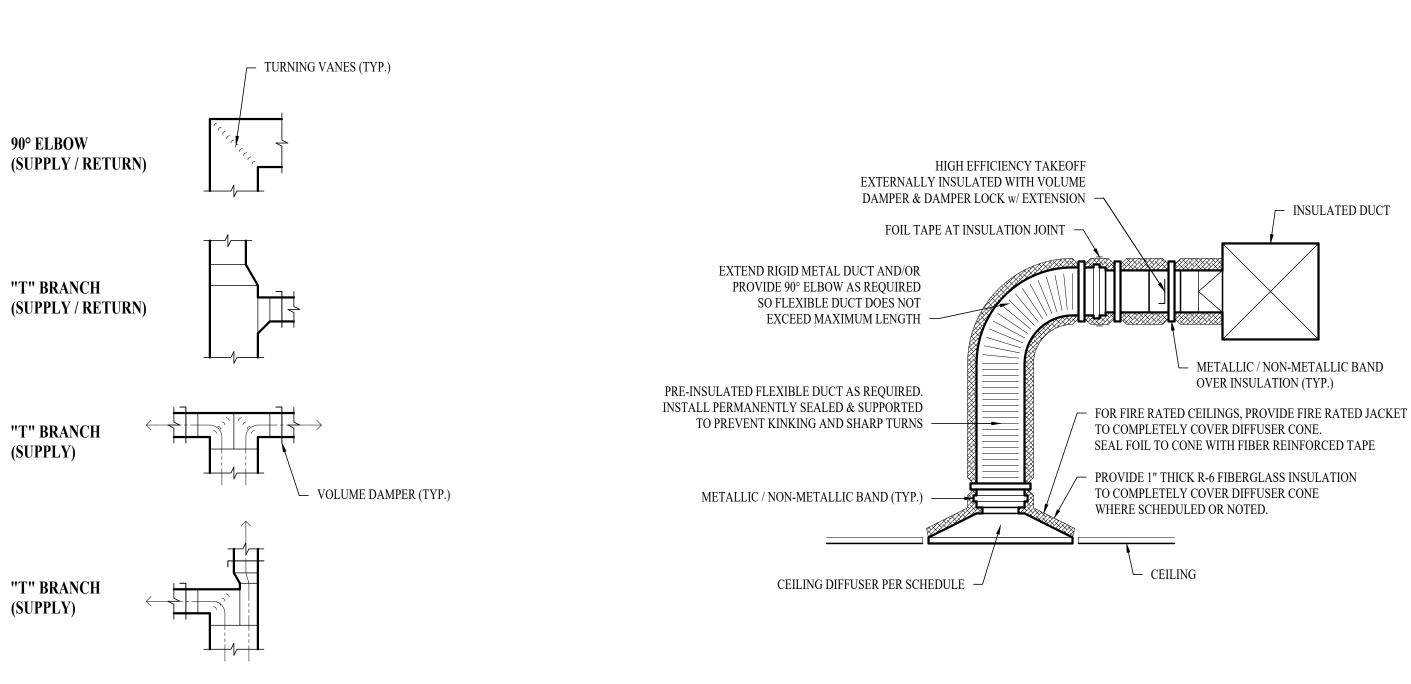


1. WITH SUSPENSION PLATFORM AND INLET FLEX CONNECTION

- 2. WITH BACKDRAFT DAMPER
- 3. WITH SPEED CONTROLLER

AIR DEVICE SCHEDULE							
TAG	SERVICE	MANUFACTURER (OR EQUAL / SEE SPECS)	MODEL (OR EQUAL / SEE SPECS)	SIZE	COLOR/ FINISH	NOTES	
E1	EXHAUST	PRICE	80	24x24	WHITE		
TR1	TRANSFER	PRICE	80	24x24	WHITE		
NOTES:							
1. VERIFY AIR DEVICE FINISHES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION							





TYPICAL DUCTWORK FITTINGS DETAIL

TYPICAL LAY-IN DIFFUSER DETAIL

### STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

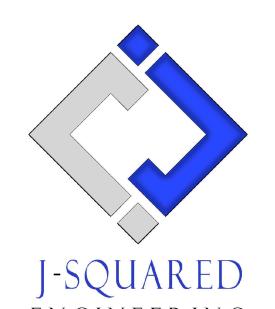


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**OFFICE OF ADMINISTRATION DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND** CONSTRUCTION

LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 ROGER I WILSON DR COLUMBIA, MO 65202

PROJECT # T2139-01 6289 ASSET# 81362890001

INSULATED DUCT

**REVISION:** DATE: **REVISION:** DATE: REVISION: DATE: ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661 DRAWN BY: CHECKED BY: JPW DESIGNED BY: JAP

SHEET TITLE:

HVAC DETAILS & SCHEDULES

SHEET NUMBER:

### POWER PLAN SYMBOL LEGEND

\_ \_ \_ CIRCUIT WIRING → PX-XX CIRCUIT TAG JUNCTION BOX

RECEPTACLE INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE) "WP" = WEATHERPROOF OUTDOOR RECEPTACLE

"AW" = ABOVE WINDOW RECEPTACLE "AC" = ABOVE CEILING RECEPTACLE "EX" = EXISTING RECEPTACLE TO REMAIN

GFCI DUPLEX CONVENIENCE RECEPTACLE

208V RECEPTACLE

QUADPLEX CONVENIENCE RECEPTACLE

USB OUTLET WITH USB-A & USB-C CHARGING PORT

DATA / PHONE JACK

BOX WITH 1" CONDUIT & PULL STRING) UP TO CEILING SPACE (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)

WIRELESS ACCESS POINT, CEILING MOUNTED

FLOOR RECEPTACLE

FLOOR DATA

DISCONNECT

FUSED DISCONNECT

FUSED SWITCH

TIE INTO EXISTING

STARTER / DISCONNECT

### **POWER PLAN GENERAL NOTES:**

1. DEMO ALL EXISTING RECEPTACLES & CIRCUITS IN AREA BACK TO NEAREST J-BOX.

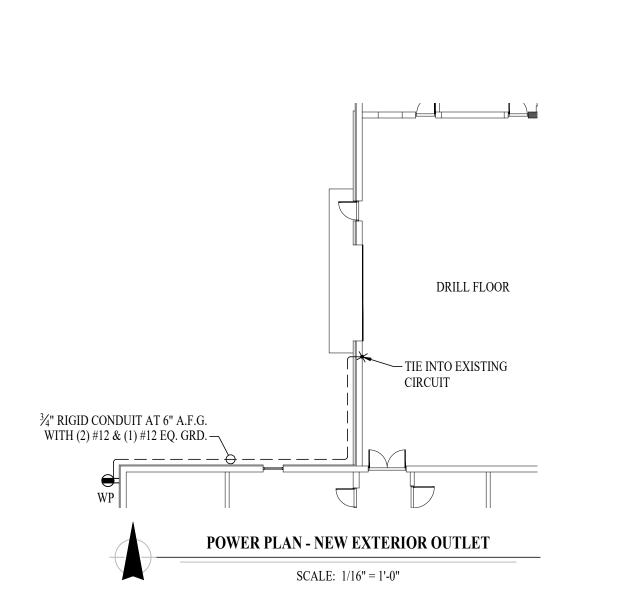
2. DEMO WORK IS SHOWN ON D-101.

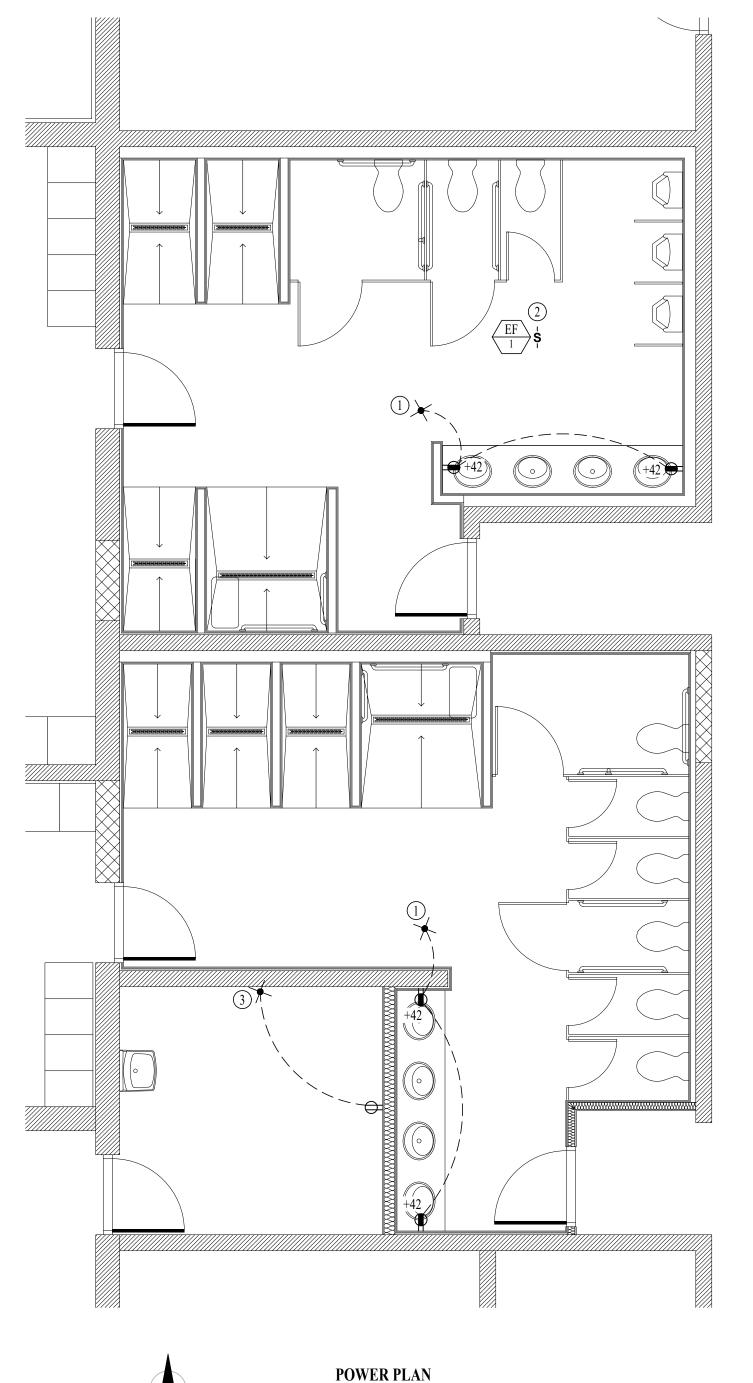
### POWER PLAN KEY NOTES:

1) TIE INTO EXISTING BATHROOM CIRCUIT AT NEAREST J-BOX.

(2) FEED 'EF1' FROM EXISTING EXHAUST FAN CIRCUIT.

(3) TIE INTO EXISTING CIRCUIT AT NEAREST J-BOX.





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

### LIGHTING PLAN SYMBOL LEGEND

X1 - "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE) LIGHTING FIXTURE

"EM" INDICATES EMERGENCY BATTERY BACKUP — "NL" INDICATES UN-SWITCHED NIGHT LIGHT

EXIT LIGHT

— INDICATES REQUIRED REMOTE HEAD

EMERGENCY EGRESS LIGHT

SWITCH (WALL MOUNTED)

SWITCH TYPE:  $\bullet \qquad 3 = 3\text{-WAY}$ 

 $\bullet \qquad 4 = 4\text{-WAY}$ • OP = PASSIVE INFRARED OCCUPANCY SENSOR

 OU = ULTRASONIC OCCUPANCY SENSOR • OT = DUAL-TECHNOLOGY OCCUPANCY SENSOR

• VP = PASSIVE INFRARED VACANCY SENSOR

• VU = ULTRASONIC VACANCY SENSOR • VT = DUAL-TECHNOLOGY VACANCY SENSOR

• M = MOMENTARY SWITCH • SS = SCENE SWITCH

DIMMER SWITCH (WALL MOUNTED)

• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS

SWITCH (CEILING MOUNTED)

• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS

POWER PACK

### OCCUPANCY SENSOR

• AUTO FULL-ON (OR 50% IF NOTED)

AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT

OCCUPANT DETECTION

• WITH MANUAL OVERRIDE CONTROL (IF NOTED)

### VACANCY SENSOR

MANUAL FULL-ON

• AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT

OCCUPANT DETECTION • WITH MANUAL OVERRIDE CONTROL (IF NOTED)

### **LIGHTING PLAN GENERAL NOTES:**

1. OCCUPANCY / VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE AND INSTALL SENSOR WITH SPACING PER MANUFACTURER SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURE'S ACCEPTABLE MOUNTING HEIGHT RANGE.

2. DEMO ALL EXISTING LIGHT FIXTURES & EXISTING LIGHTING CIRCUIT BACK TO NEAREST J-BOX

### LIGHTING PLAN KEY NOTES:

(A) TIE INTO EXISTING BATHROOM LIGHTING CIRCUIT AT NEAREST J-BOX.

(B) REUSE EXISTING LIGHTING CIRCUIT THIS AREA

### **ELECTRICAL SPECIFICATIONS**

1. GENERAL

1.1. THE ENTIRE ELECTRICAL SYSTEM SHALL BE CONTINUOUSLY GROUNDED. EVERY BRANCH

CONDUIT SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED PER NEC. 1.2. ARC-FAULT CIRCUITS SHALL BE RUN WITH A DEDICATED NEUTRAL AS REQUIRED BY MANUFACTURER.

1.3. PROVIDE TYPE WRITTEN PANEL SCHEDULE FOR EACH PANEL.

2. MATERIALS 2.1. CONDUIT & CONDUCTORS

ALL CONDUCTORS SIZES INDICATED ON PLANS ARE COPPER UNLESS NOTED

ABOVE GRADE CONDUCTORS SHALL BE THHN COPPER. BELOW GRADE CONDUCTORS SHALL BE XHHW-2.

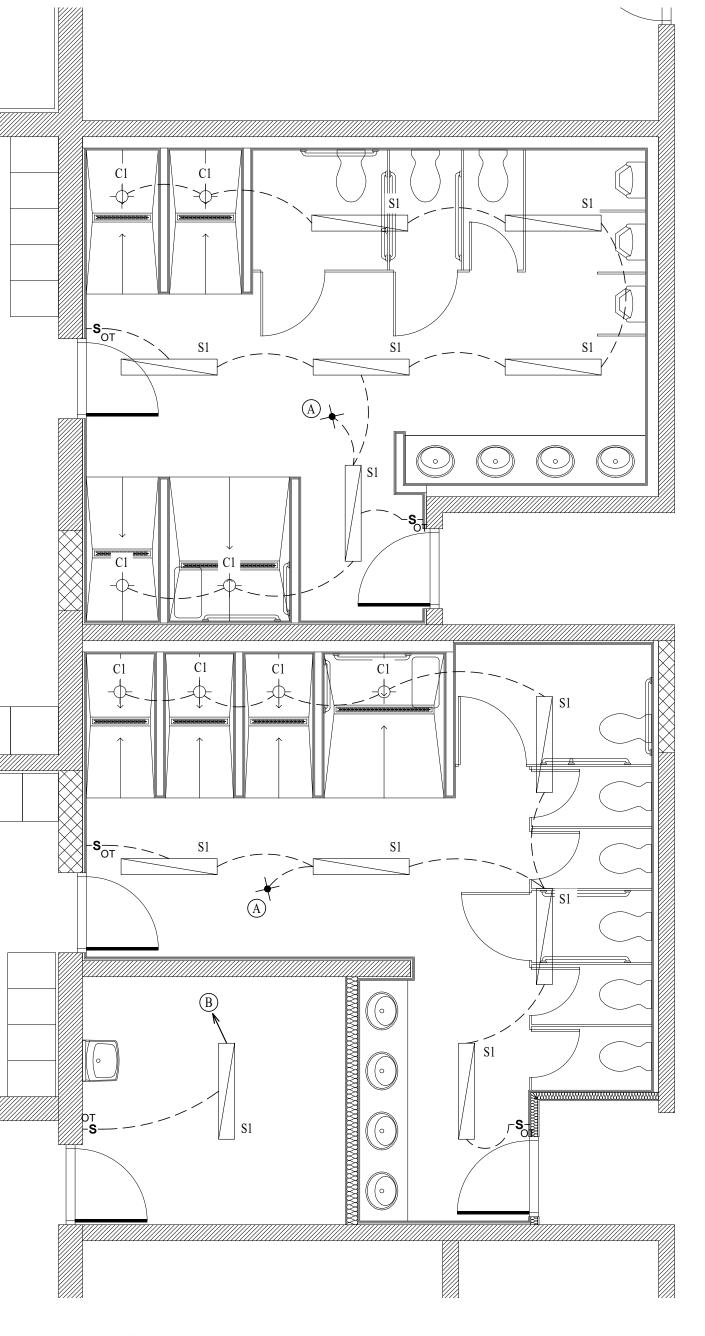
MINIMUM CONDUCTOR SIZE SHALL BE #12 UNLESS NOTED OTHERWISE. 120V, 20 AMP CIRCUITS WITH CONDUCTOR LENGTH GREATER THAN 100' SHALL BE MINIMUM #10. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MEASURING ACTUAL CONDUCTOR LENGTH AND INCREASING CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP AS REQUIRED BY NEC.

RIGID GALVANIZED OR SCHEDULE 40 PVC CONDUIT SHALL BE USED FOR SERVICE WIRING, BELOW GRADE INSTALLATIONS, OR WHERE EXPOSED TO WEATHER.

CONTRACTOR TO PROVIDE J-BOXES, COVER PLATES, AND ANY ACCESSORIES REQUIRED

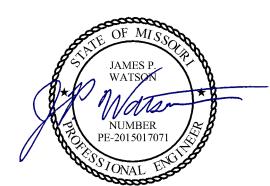
DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT, 20 AMP, EQUAL TO LEVITON

TO PROVIDE A COMPLETE SYSTEM. SEE ARCHITECTURAL PLANS FOR DEVICE COLORS.





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



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ENGINEERING

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

LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 ROGER I WILSON DR COLUMBIA, MO 65202

81362890001

PROJECT # T2139-01 6289

ASSET#

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

ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661 DRAWN BY: CHECKED BY: JPW DESIGNED BY: JAP

SHEET TITLE:

ELECTRICAL PLAN

SHEET NUMBER:

### SANITARY SEWER PLAN SYMBOL LEGEND

---- SANITARY SEWER PIPING
---- VENT PIPING
→ O PIPING TURNED DOWN / TURNED UP

TIE INTO EXISTING

### SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET P-501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

2. DEMOLISH ALL EXISTING VENT PIPING.

### SANITARY SEWER PLAN KEY NOTES:

1) DEMOLISH WATER CLOSET & CAP AT SEWER MAIN.

(2) DEMOLISH LAVATORY & SANITARY BACK TO SEWER MAIN.

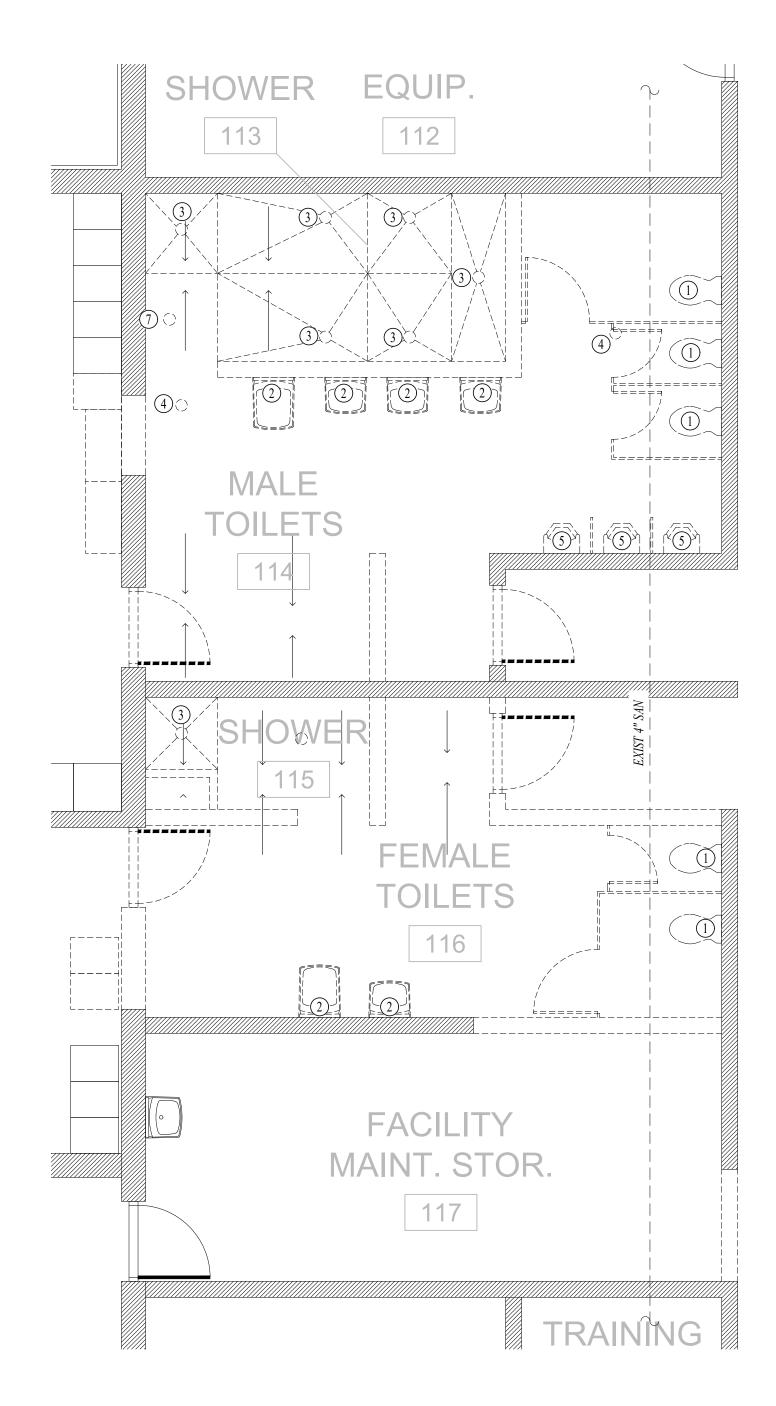
3 DEMOLISH SHOWER & SANITARY BACK TO SEWER MAIN.

4 DEMOLISH FLOOR DRAIN & CAP AT SEWER MAIN.

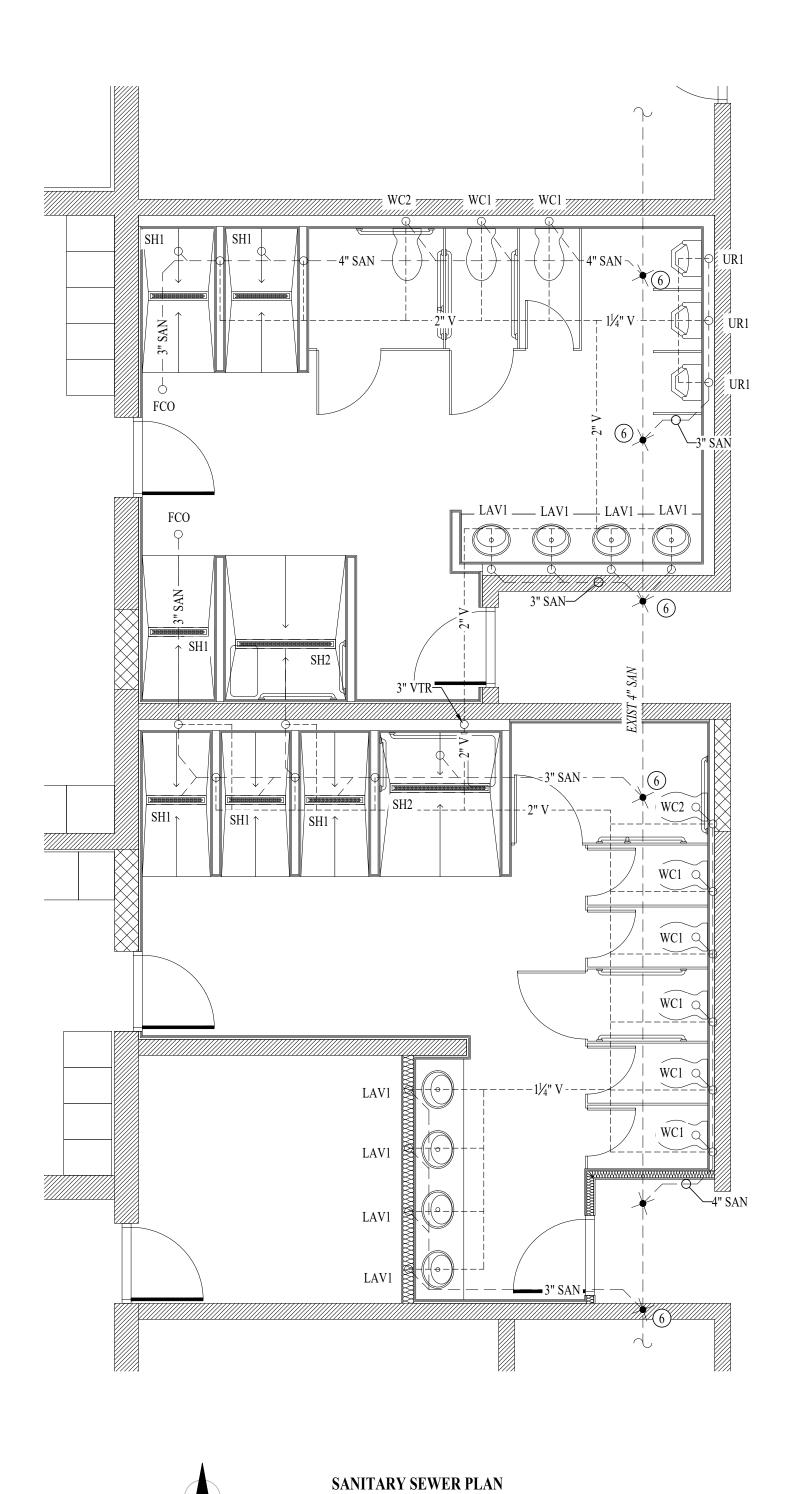
(5) DEMOLISH URINAL & SANITARY BACK TO SEWER MAIN.

(6) LOCATE & TIE INTO EXISTING 4" SAN BELOW GRADE.

7) DEMOLISH EXISTING FLOOR CLEANOUT & CAP EXISTING 4" SAN BELOW SLAB.







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



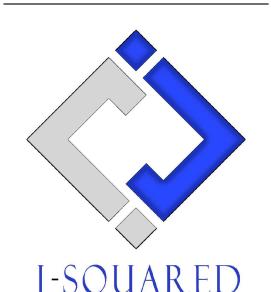


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LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 ROGER I WILSON DR COLUMBIA, MO 65202

PROJECT # T2139-01 SITE # 6289 ASSET # 81362890001

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661
DRAWN BY: NP
CHECKED BY: JPW

DESIGNED BY: JAP

SHEET TITLE:

SANITARY SEWER PLAN

SHEET NUMBER:

P-101

# WATER & GAS PLAN SYMBOL LEGEND COLD WATER LINE HOT WATER LINE HOT WATER RECIRCULATION LINE WATER METER VALVE PUMP PIPING TURNED DOWN / TURNED UP

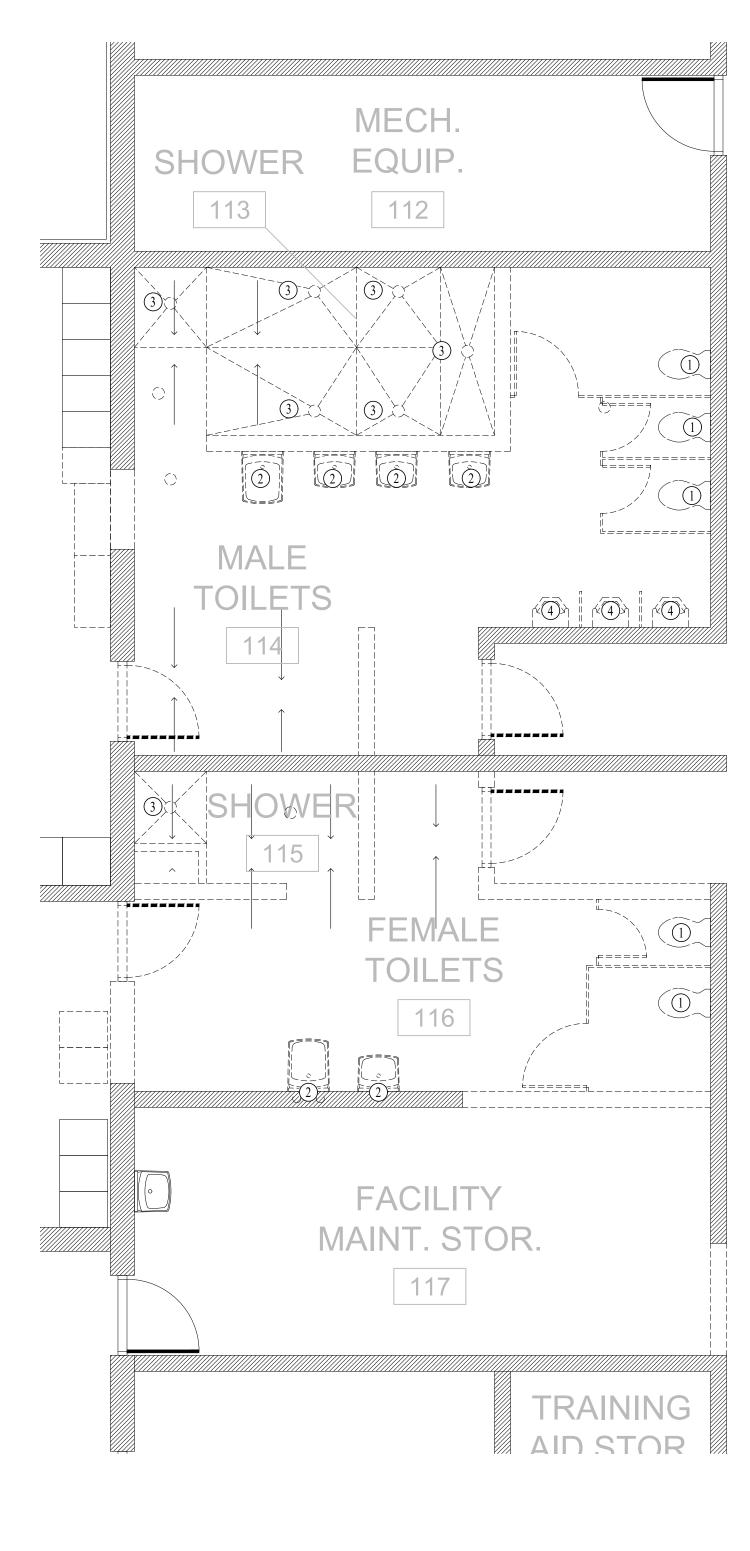
### WATER & GAS PLAN GENERAL NOTES:

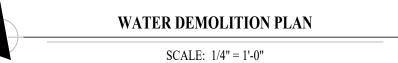
TIE INTO EXISTING

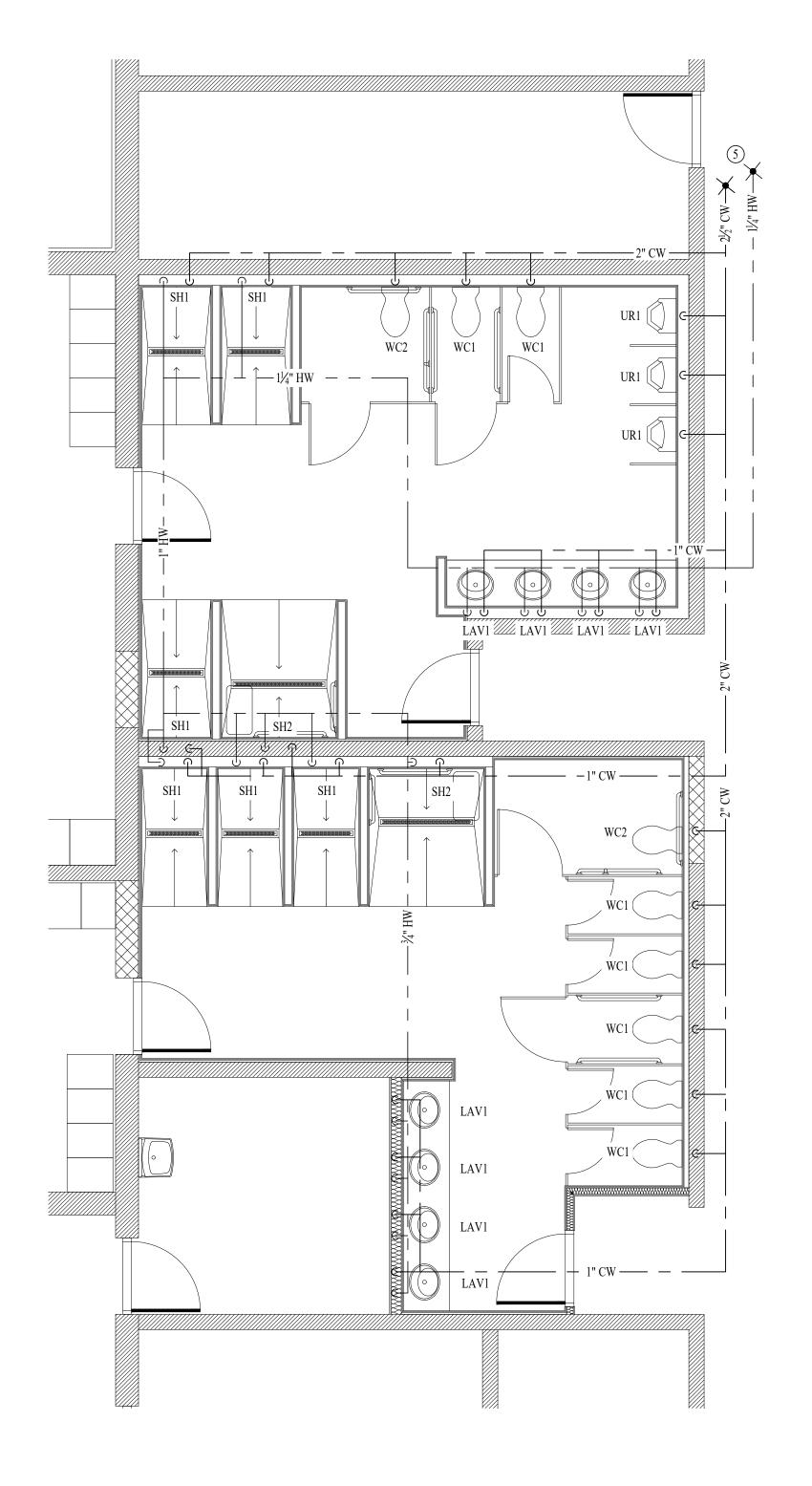
1. SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

### WATER & GAS PLAN KEY NOTES:

- 1 DEMOLISH WATER CLOSET & WATER LINE BACK TO MAIN.
- (2) DEMOLISH LAVATORY & WATER LINE BACK TO MAIN.
- (3) DEMOLISH SHOWER & WATER LINE BACK TO MAIN.
- (4) DEMOLISH URINAL & WATER LINE BACK TO MAIN.
- 5 LOCATE AND TIE INTO EXISTING CW & HW ABOVE CEILING.



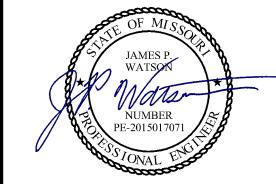




WATER PLAN

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

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



James Watson, P.E. July 7, PE-2015017071
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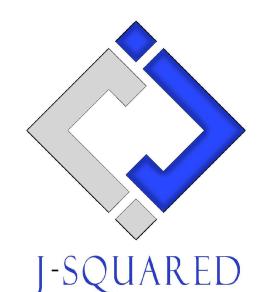


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LATRINE RENOVATION

COLUMBIA READINESS CENTER 5151 ROGER I WILSON DR COLUMBIA, MO 65202

PROJECT # T2139-01 SITE # 6289 ASSET # 81362890001

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

ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661
DRAWN BY: NP
CHECKED BY: JPW
DESIGNED BY: JAP

SHEET TITLE:

WATER PLAN

SHEET NUMBER:

P-102

### PLUMBING SPECIFICATIONS

1. GENERAL

- 1.1. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ESCUTCHEONS, ¼ TURN STOPS, P-TRAPS, AND SUPPLY LINES TO PROVIDE A COMPLETE SYSTEM AT EACH FIXTURE INDICATED ON PLANS UNLESS NOTED OTHERWISE.
- 2.1. BELOW AND ABOVE GRADE WASTE AND VENT PIPING IN BUILDING TO BE SOLID CORE SCH.
- NO PIPE SMALLER THAN 2" BELOW GRADE.
- WASTE AND VENT PIPING IN PLENUMS TO BE CAST IRON, OR PVC WITH AN INSULATION
- WRAP LISTED FOR USE AS SUCH AN ASSEMBLY. ALL VENT PIPE TERMINATIONS ARE TO BE LOCATED EITHER 10' HORIZONTALLY OR 3' ABOVE MECHANICAL AIR INTAKE LOCATIONS.

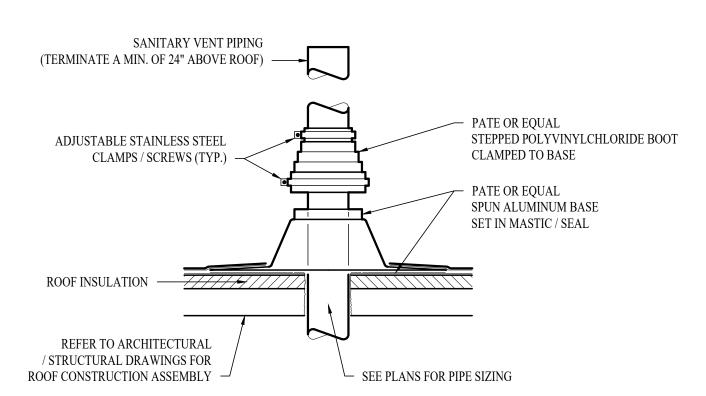
3. DOMESTIC WATER

- DOMESTIC WATER PIPING TO BE COPPER COPPER WATER PIPING BELOW GRADE SHALL BE TYPE "K". BELOW GRADE JOINTS SHALL BE SILVER SOLDERED. THERE SHALL BE NO JOINTS IN WATER PIPING LOCATED BENEATH
- COPPER WATER PIPING ABOVE GRADE SHALL BE TYPE "L".
- PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK-CLOSE VALVES. FIXTURES REQUIRING WATER HAMMER ARRESTORS INCLUDE BUT ARE NOT LIMITED TO FLUSH VALVES, SENSOR FAUCETS, AND WASHING MACHINE BOXES. AIR CHAMBERS ARE NOT ACCEPTABLE.
- DOMESTIC WATER PIPING INSULATION
- ALL HW PIPING SHALL BE INSULATED WITH PLENUM-RATED CLOSED CELL
- ELASTOMERIC INSULATION. FOR PIPING LESS THAN 1½", INSULATION THICKNESS TO BE 1". FOR PIPING 1½" OR GREATER, INSULATION THICKNESS SHALL BE 1½".
- CW COPPER PIPING TO INSULATED WITH ½" PLENUM-RATED CLOSED CELL ELASTOMERIC INSULATION.

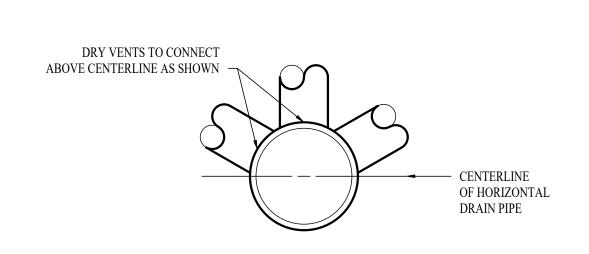
TAG	DESCRIPTION	MANUFACTURER (OR EQUAL / SEE SPECS)	MODEL (OR EQUAL / SEE SPECS)	NOTES	
FCO	FLOOR CLEANOUT	ZURN	Z1400		
FD1	FLOOR DRAIN	ZURN	Z415-BZ	WITH Z1072 TRAP SEAL	
LAV1	LAVATORYFAUCET	ZURN	Z81104-XL	WITH 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES, AND TRUBRO GUARD 2	
SH1	SHOWER - 48" LINEAR DRAIN	ZURN	ZS880	WITH MOEN #T9342EP15, 3360, & 8371HD SHOWER TRIM	
SH2	SHOWER - 28" LINEAR DRAIN	ZURN	ZS880	WITH MOEN #T9375EP15 & 8371HD SHOWER TRIM	
UR1	URINAL - MANUAL FLUSH	AMERICAN STANDARD	6550.001	WITH ZURN Z6003AV-WS1 MANUAL FLUSH VALVE (1.0 GPM/FLUSH)	
WC1	WATER CLOSET - STANDARD HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	2234.001	WITH ZURN Z6000A V-W S 1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AT CHURCH 9500SSCT SELF SUSTAINING SEAT	
WC2	WATER CLOSET - ADA HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	3043.001	WITH ZURN Z6000A V-WS1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AN CHURCH 9500SSCT SELF SUSTAINING SEAT	
NOTES:	VERIFY NECESSARY FIXTURES MEET ADA REQ	UIREMENTS WITH ARCHITECT	PRIOR TO INSTALLATION		

FIXTURE	SANITARYPIPING		SUPPLYPIPING		
ТҰРЕ	TYPICAL ABBREVIATION	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION
DRINKING FOUNTAIN	DF	1-1/2"	1-1/4"	1/2"	-
FLOOR DRAIN	FD	3"	2"	-	
HAND / HAIR SINK	HS / SK	2"	1-1/4"	1/2"	1/2"
HOSE BIBB	HB	-	_	3/4"	
LAVATORY	LAV	1-1/2"	1-1/4"	1/2"	1/2"
MOP SINK	MS	3"	1-1/2"	1/2"	1/2"
ICE MAKER OUTLET BOX	REF	-	-	1/2"	-
SHOWER	SH	3"	1-1/2"	1/2"	1/2"
URINAL	UR	2"	1-1/4"	3/4"	-
WATER CLOSET (FLUSH TANK)	WC	3"	2"	1/2"	=
WATER CLOSET (FLUSH VALVE)	WC	3"	2"	1"	-

1. SIZES SHOWN ABOVE ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS



SANITARY VENT THRU ROOF DETAIL



- CONDENSATE OR GAS PIPE GALVANIZED U-CLAMP ONE SIZE LARGER THAN PIPE SIZE PIPE SET ON BLOCK SHALL MOVE FREELY UNDER CLAMP 4 X 4 FOAM RUBBER COMPOSITE SUPPORT WITH GALVANIZED GALVANIZED BOLTS STRUT FACTORY FORMED IN BASE

STEEL PIPE SPACING OF NOMINAL SIZE OF PIPE | SUPPORTS | (IN.) (FT.) 6 3/4" OR 1" 1 ¼" OR LARGER (HORIZONTAL)

NOTE:
INSTALL SUPPORTS ACCORDING TO NATIONAL FUEL GAS CODE 2015 EDITION

DRY VENT DETAIL PIPE SUPPORT DETAIL ISSUE DATE: 07/07/2022

CAD DWG FILE: J20661 DRAWN BY: NP CHECKED BY: JPW

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

PE-2015017071

OFFICE OF

**DIVISION OF FACILITIES** 

**DESIGN AND** 

CENTER

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

REVISION: DATE:

MANAGEMENT,

CONSTRUCTION

LATRINE RENOVATION

COLUMBIA READINESS

5151 ROGER I WILSON DR

6289

81362890001

COLUMBIA, MO 65202

PROJECT # T2139-01

**ADMINISTRATION** 

MO Certificate of Authority # 2018029680

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Peckham & Wright Architects an Architectural Corporation

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PWArchitects, Inc.

SHEET TITLE:

PLUMBING DETAILS & SCHEDULES

DESIGNED BY: JAP

SHEET NUMBER:

17 OF 17 SHEETS