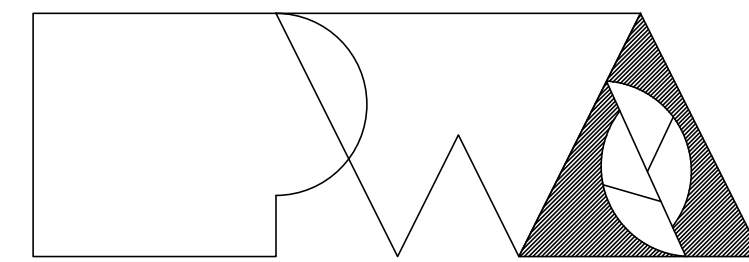


RENOVATE WOMENS LOCKER ROOM

ACADEMY PHYSICAL TRAINING BUILDING, MSHP GENERAL HEADQUARTERS COMPLEX



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OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DESIGNER: PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203

PROJECT NUMBER: R2402-01

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

SITE NUMBER: **6001**
ASSET NUMBER: **8136001003**



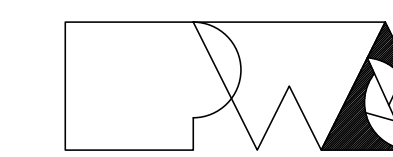
SHEET NUMBER:

G-001

1 OF 17 SHEETS
JULY 23, 2024



09/17/2024



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OFFICE OF
ADMINISTRATION
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MANAGEMENT,
DESIGN AND
CONSTRUCTION

RENOVATE WOMENS
LOCKER ROOM,
ACADEMY PHYSICAL
TRAINING BUILDING

MSHP GENERAL HEAD-
QUARTERS COMPLEX
1510 E ELM ST

JEFFERSON CITY, MO

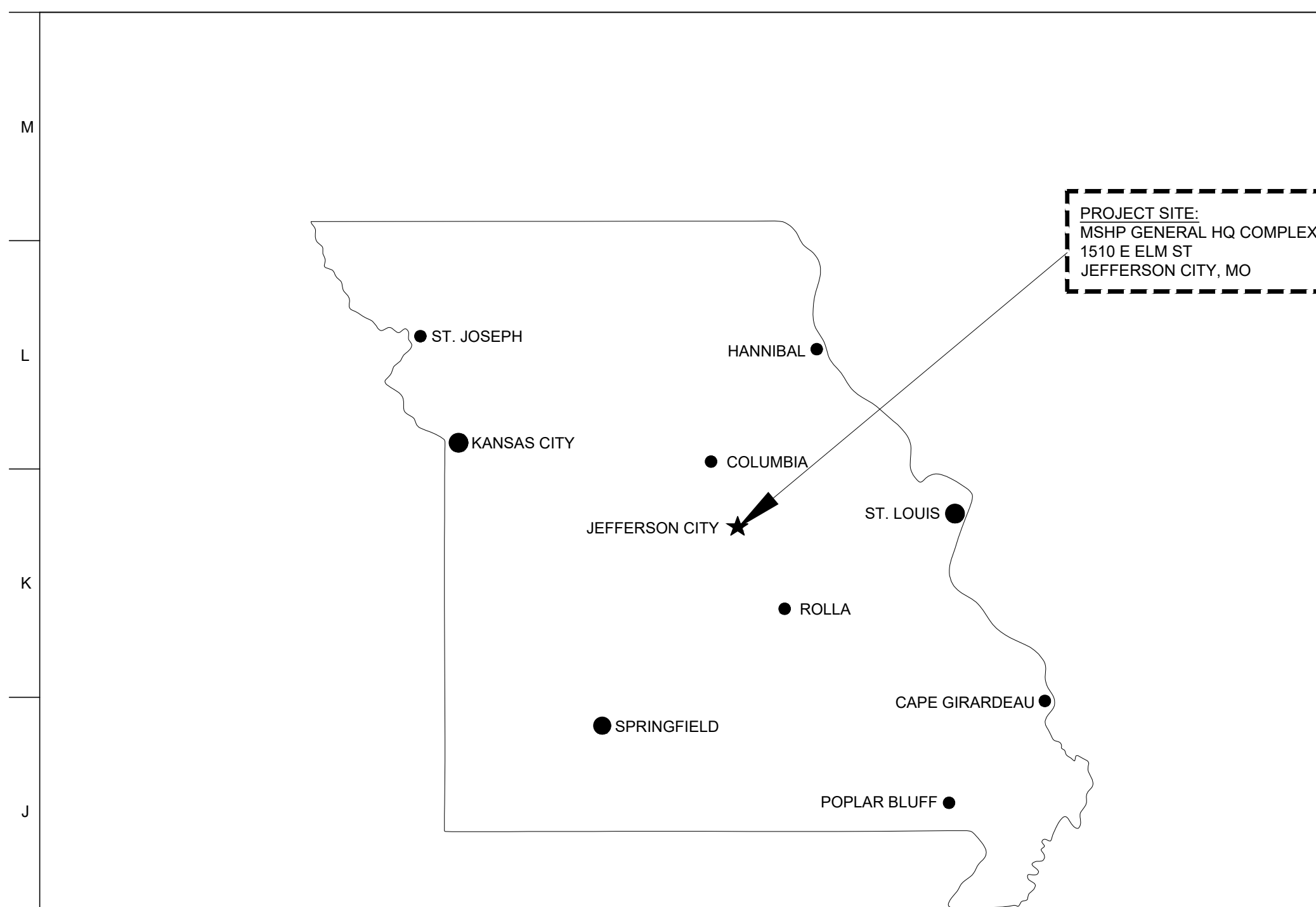
PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

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DATE: _____
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/17/2024

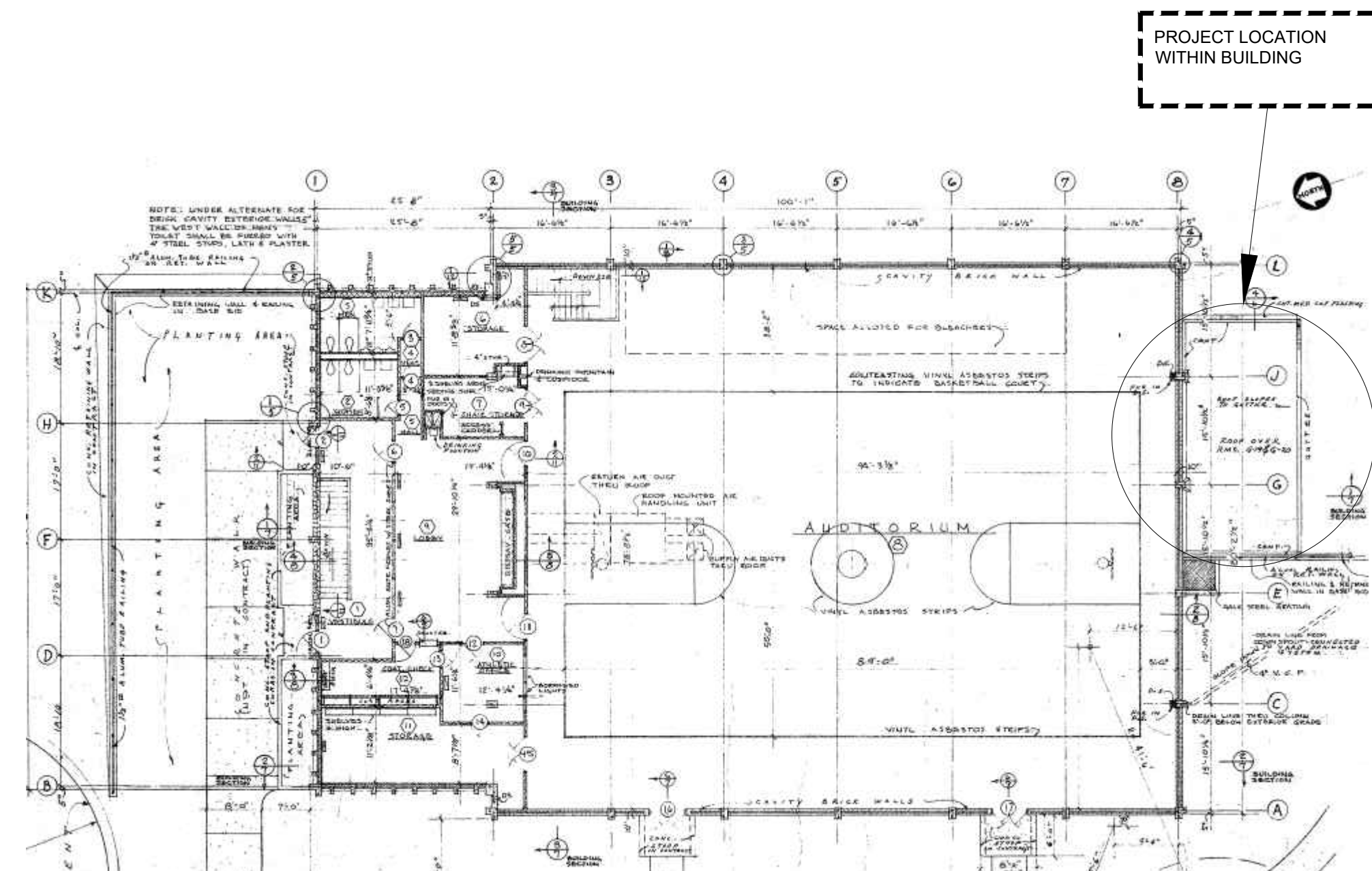
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DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
INDEX SHEET

SHEET NUMBER:
G-101
2 OF 17 SHEETS
09/17/2024



H1 STATE OF MISSOURI MAP
SCALE: N.T.S.



H7 KEY PLAN
SCALE: N.T.S.

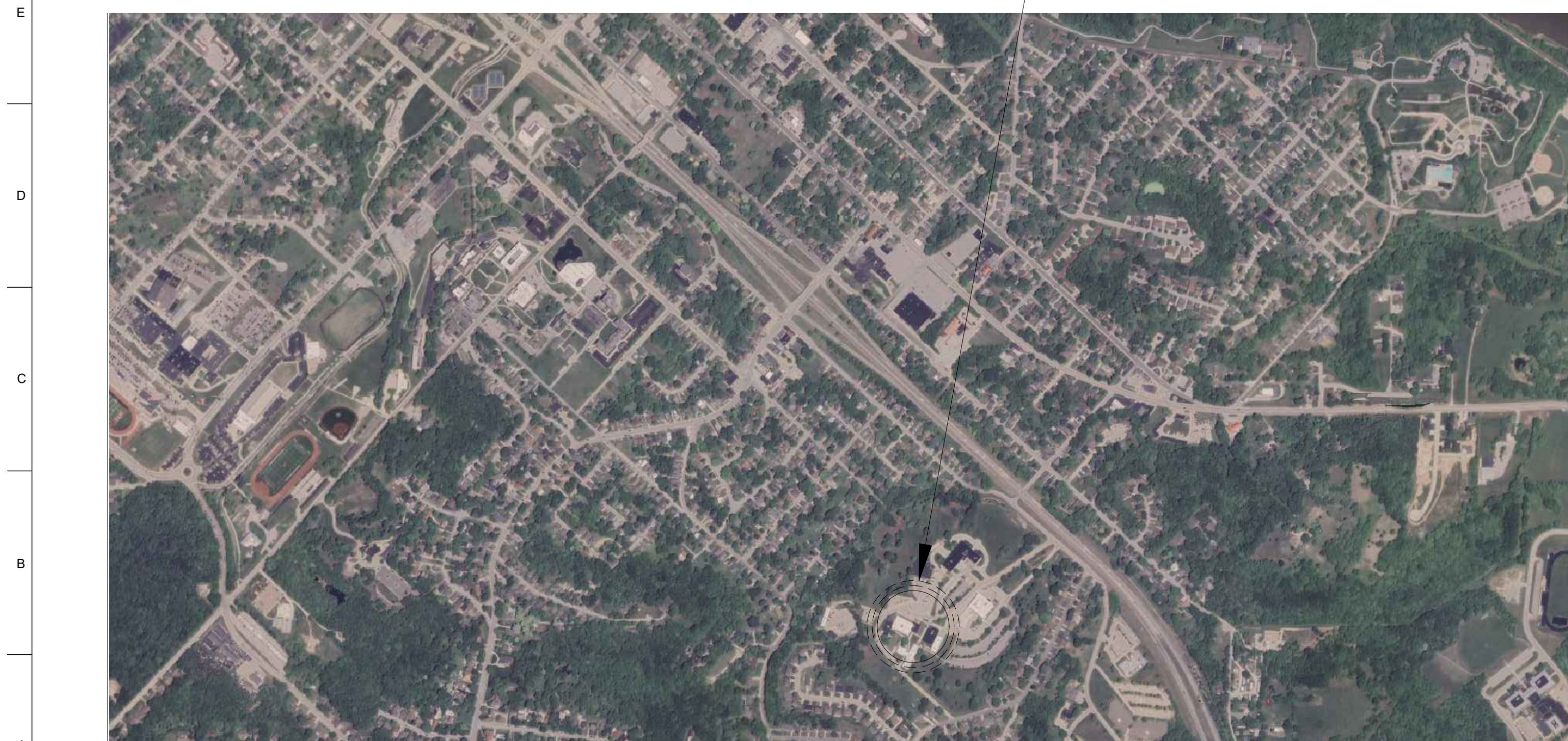
LIST OF DRAWINGS

- G-001 COVER SHEET
- G-101 INDEX SHEET
- D-100 DEMOLITION PLANS
- A-101 FLOOR PLAN-NOTES, FLOOR PLAN DIMENSIONS
- A-102 REFLECTED CEILING & FLOOR FINISH PLANS
- A-103 FLOOR PLAN-RAMP FRAMING AND SUB-FLOOR FILL
- A-201 INTERIOR ELEVATIONS, SCHEDULES, DETAILS
- A-301 SECTION DETAILS
- A-302 SECTION DETAILS
- A-601 DOOR SCHEDULE AND DOOR DETAILS
- MD-101 MEP DEMOLITION PLAN
- M-101 HVAC PLAN
- M-501 HVAC DETAILS & SCHEDULES
- E-101 POWER PLAN
- E-102 LIGHTING PLAN
- E-501 ELECTRICAL DETAILS & SCHEDULES
- P-101 PLUMBING PLANS

H13 DRAWING INDEX
SCALE: NTS

	LARGE SCALE	SMALL SCALE
CONCRETE		
GYPSUM BOARD		
RESINOUS COATING		
FOAM INSULATION		
MISCELLANEOUS ITEMS: AS NOTED ON EACH SHEET		
BATT INSULATION		
ASPEN PANELING		
VINYL TILES		
CERAMIC TILE		

E13 MATERIAL LEGEND
SCALE: NTS



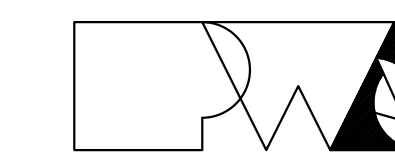
A1 LOCATION MAP
SCALE: N.T.S.

DRAWING BULLET WITH NORTH ARROW	
	GRID REFERENCE
	DRAWING TITLE
	SCALE: X'X" = 1'-0"
	ARCH. SCALE
DRAWING BULLET WITHOUT NORTH ARROW	
	GRID REFERENCE
	DRAWING TITLE
	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
SCOPE OF WORK BULLET	
	SHEET NUMBER
DOOR MARK BULLET	SECTION BULLET
FINISH MARK BULLET	
	GRID REFERENCE
REVISION NOTE BULLET	
	ALWAYS ON TOP
GENERAL NOTE BULLET	
	SHEET NUMBER
BENCHMARK BULLET	NORTH ARROW
	000.00'
	**** FLOOR
COLUMN LINE BULLETS	SPOT ELEV. BULLETS
	TC - TOP OF CURB TG - TOP OF GRADE TW - TOP OF WALL TP - TOP OF PAVING
	NEW EXISTING

A9 SYMBOL LEGEND
SCALE: NTS



09/17/2024



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MSHP GENERAL HEAD-
QUARTERS COMPLEX
1510 E ELM ST
JEFFERSON CITY, MO

PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

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CAD DWG FILE: R2402-CD
DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
**DEMOLITION
PLANS**

SHEET NUMBER:

D-101

3 OF 17 SHEETS
09/17/2024

GENERAL DEMOLITION NOTES

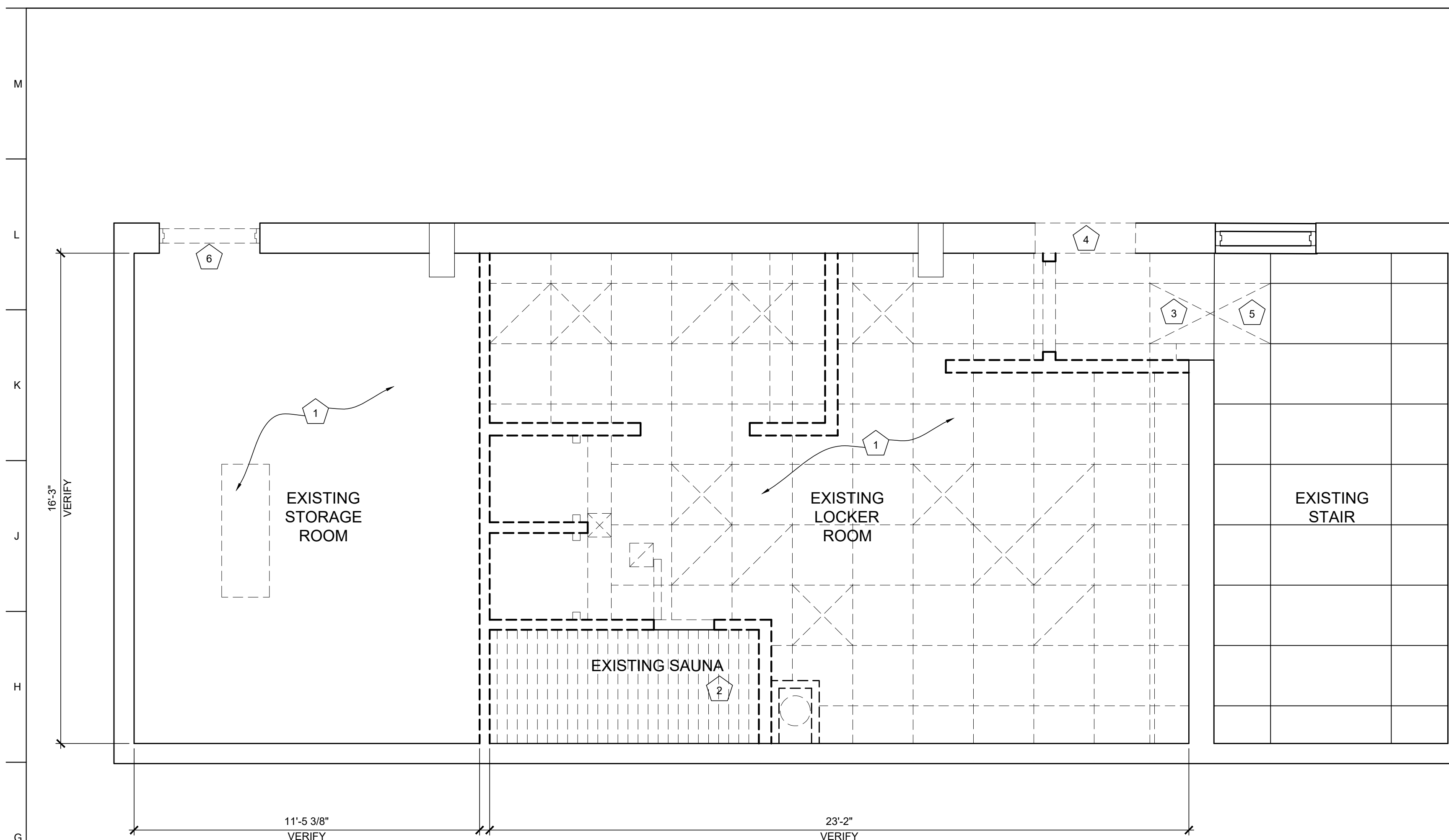
1. FIELD VERIFICATION: INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON EXISTING DOCUMENTS & FIELD OBSERVATIONS. THE INFORMATION CONTAINED HERE-IN MAY REQUIRE ADJUSTMENTS OR MODIFICATIONS TO CONFORM WITH EXISTING CONDITIONS. THESE DRAWINGS CONVEY THE DESIGN INTENT ONLY.
2. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY OWNER'S REPRESENTATIVE OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN FOR CLARIFICATION BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.
3. PROVIDE PROTECTION OVER LOWER EXTERIOR DOORS, WINDOWS, OTHER OPENINGS, AND OTHER CONSTRUCTION TO REMAIN DURING CONSTRUCTION. PROTECT PEDESTRIAN TRAFFIC BY COVERED WALKWAY.
4. LEAVE AREA CLEAN AND FREE OF DEBRIS AT THE END OF EACH DAY.
5. ALL DIMENSIONS ARE TO FACE OF STUD - OR MASONRY - UNLESS OTHERWISE NOTED.
6. DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS AS NOTED AND THOSE THAT WOULD INTERFERE WITH THE INSTALLATION OF NEW WORK. VERIFY WITH OWNER'S REPRESENTATIVE REMOVAL OF ANY ITEMS NOT NOTED FOR DEMOLITION.
 - 6.1. REMOVE ALL CEILING TREATMENTS WHERE REQUIRED.
 - 6.2. REMOVE ALL FLOOR COVERINGS DOWN TO CONCRETE SUBSTRATE WHERE REQUIRED; PATCH & REPAIR WHERE DAMAGED; USE PATCHING MATERIALS COMPATIBLE WITH FLOOR POLISHING TO ENSURE MATCH WITH ADJACENT SURFACES, TO PROVIDE SMOOTH LEVEL SURFACE SUITABLE FOR NEW FLOORING.
7. COORDINATE DEMOLITION WORK W/ THAT SHOWN ON PLUMBING DEMOLITION, MECHANICAL DEMOLITION, & ELECTRICAL DEMOLITION SHEETS. AT REMOVED PIPES, DUCTS, & CABLES, WHERE EXISTING OPENING WILL NOT BE REUSED, INFILL & PATCH NEW OPENING W/ MATERIALS MATCHING ADJACENT WALL CONSTRUCTION; COORDINATE W/ STRUCTURAL DRAWINGS FOR INFILL @ EXISTING MASONRY WALLS.

DEMO CEILING PLAN NOTES

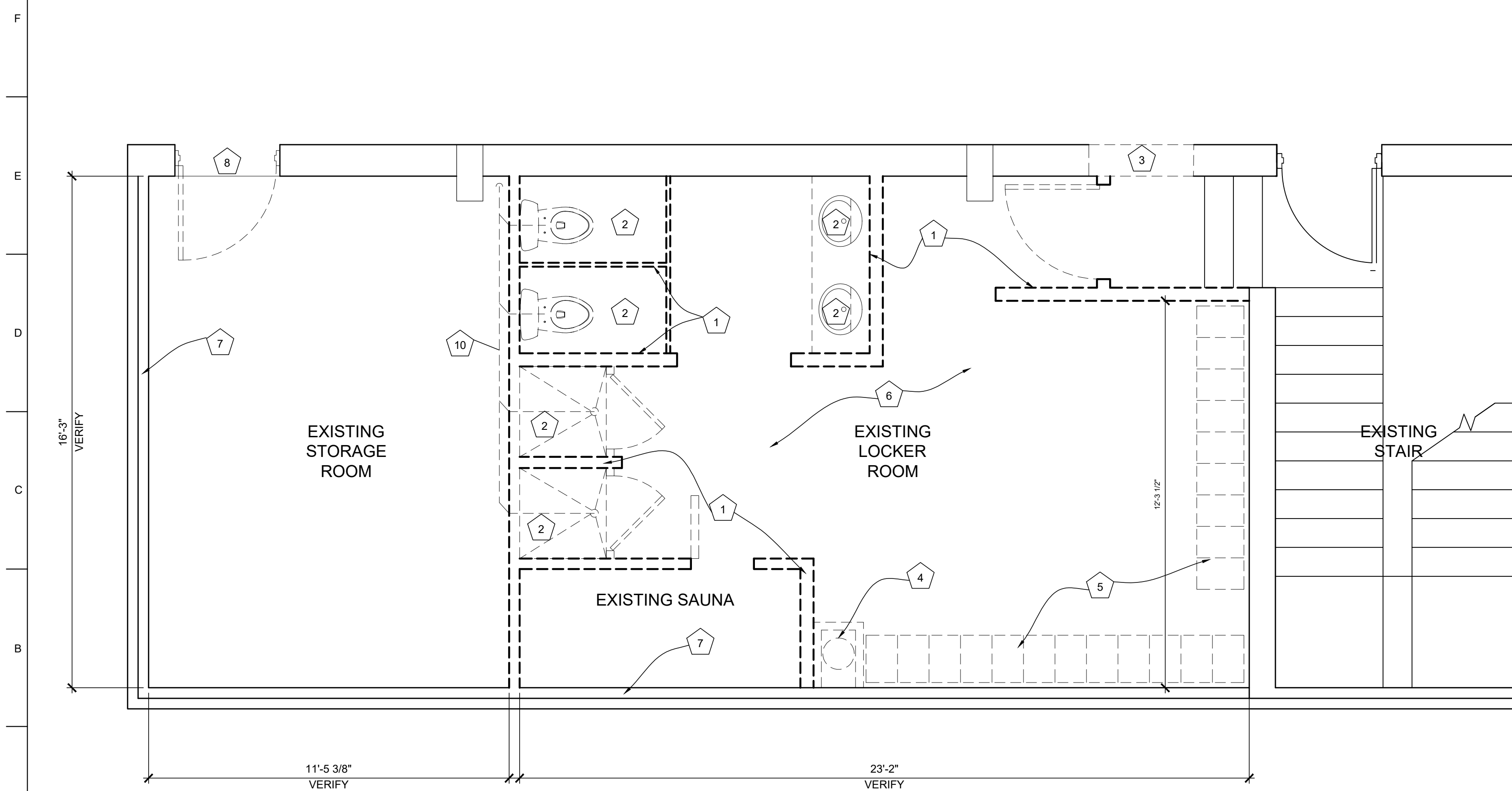
- 1 DEMO EXISTING SUSPENDED CEILINGS, LIGHT FIXTURES AND ATTACHED ELECTRICAL DEVICES - SEE MEP DRAWINGS.
- 2 DEMO EXISTING SAUNA
- 3 DEMO AND SALVAGE EXISTING LIGHT FIXTURE RELOCATE IN EXISTING STAIR
- 4 DEMO EXISTING MASONRY FOR NEW DOOR INSTALLATION-SALVAGE MASONRY TO GREATEST EXTENT POSSIBLE FOR RE-INSTALLATION AT DOORS
- 5 DEMO EXISTING SUSPENDED CEILING AS REQUIRED TO MODIFY INSTALLATION FOR NEW CONFIGURATION-SEE REFLECTED CEILING PLAN
- 6 DEMO EXISTING HM DOOR AND FRAME

DEMO FLOOR PLAN SCOPE OF WORK NOTES

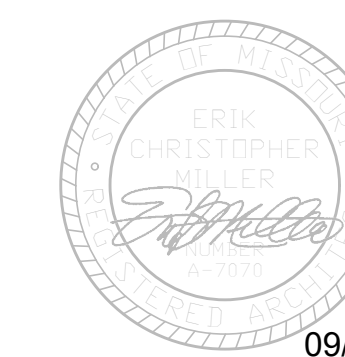
- 1 DEMO EXISTING PARTITIONS, TYP.
- 2 DEMO EXISTING PLUMBING FIXTURES, SUPPLY & WASTE PIPING - SEE MEP DRAWINGS FOR EXTENTS
- 3 DEMO EXISTING MASONRY FOR NEW DOOR INSTALLATION-MAINTAIN COURSING-VERIFY DIMENSIONS WITH FLOOR PLAN
- 4 DEMO EXISTING CHASE AND FLUE-SEE CONCRETE SPEC FOR FLOOR FILL
- 5 DEMO EXISTING LOCKERS-SAVE TO OWNER
- 6 DEMO EXISTING ELECTRICAL FIXTURES & WIRING - SEE MEP
- 7 DEMO EXISTING BATT INSULATION IN EXISTING EXTERIOR WALLS
- 8 DEMO EXISTING HM DOOR AND FRAME
- 9 DEMO EXISTING LIGHTS, ELECTRICAL WIRING AND BOXES THROUGHOUT
- 10 DEMO EXISTING PLUMBING AS REQUIRED-SEE MEP DRAWINGS AND SPECS



G1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"



A1 DEMOLITION FLOOR PLAN
SCALE: 3/8" = 1'-0"



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CAD DWG FILE: R2402-CD
DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
FLOOR PLAN NOTES
FLOOR PLAN DIMENSIONS

SHEET NUMBER:
A-101
4 OF 17 SHEETS
09/17/2024

GENERAL FLOOR PLAN NOTES

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

RESTROOM ACCESSORY SCHEDULE

NOTE	ITEM	PROVIDED BY:	INSTALLED BY:	MODEL*	REMARKS
1	(24"X36") 1/4" TEMPERED GLASS MIRROR	PBC	IBC	BOBRICK B-2908 2436	
2	TOILET PAPER DISPENSER	PBO	IBC	TORK 59TR	
3	GRAB BAR-SHOWER	PBC	IBC	BOBRICK B-6861	
4	GRAB BAR	PBC	IBC	BOBRICK B-6806 x 18	
5	GRAB BAR	PBC	IBC	BOBRICK B-6806 x 36	
6	GRAB BAR	PBC	IBC	BOBRICK B-6806 x 42	
7	PAPER TOWEL DISPENSER	PBC	IBC	KIMBERLY CLARK 34364	
8	SOAP DISPENSER	PBO	IBC	GOJO-LTX-12 GRAY	
9	SANITARY NAPKIN DISPOSAL	PBC	IBC	BOBRICK B-270	
10	FOLDING SHOWER SEAT	PBC	IBC	BOBRICK B-5193	
11	BENCH	PBC	IBC	SCRANTON 42" X 20" WITH PEDESTAL BASES	
12	SHOWER SHELF	PBC	IBC	AMERICAN STANDARD 1202-008 266 CORNER SHELF	
13	SHOWER CURTAIN ROD	PBC	IBC	BOBRICK B-6107	
14	SHOWER CURTAIN	PBC	IBC	BOBRICK B-204-2	
15	CLOTHES HOOK	PBC	IBC	BOBRICK B-549	
16	HAND DRYER	PBC	IBC	BOBRICK B-7128	

*MODEL PROVIDED AS BASIS OF DESIGN - SEE SPECIFICATIONS
PROVIDE WALL BLOCKING / REINFORCING AS REQUIRED FOR ACCESSORY INSTALLATION AND MOUNTING.
• PBO = PROVIDED BY OWNER
• PBC = PROVIDED BY CONTRACTOR
• IBC = INSTALLED BY CONTRACTOR

ACCESSIBLE CLEAR FLOOR SPACE REQUIREMENTS

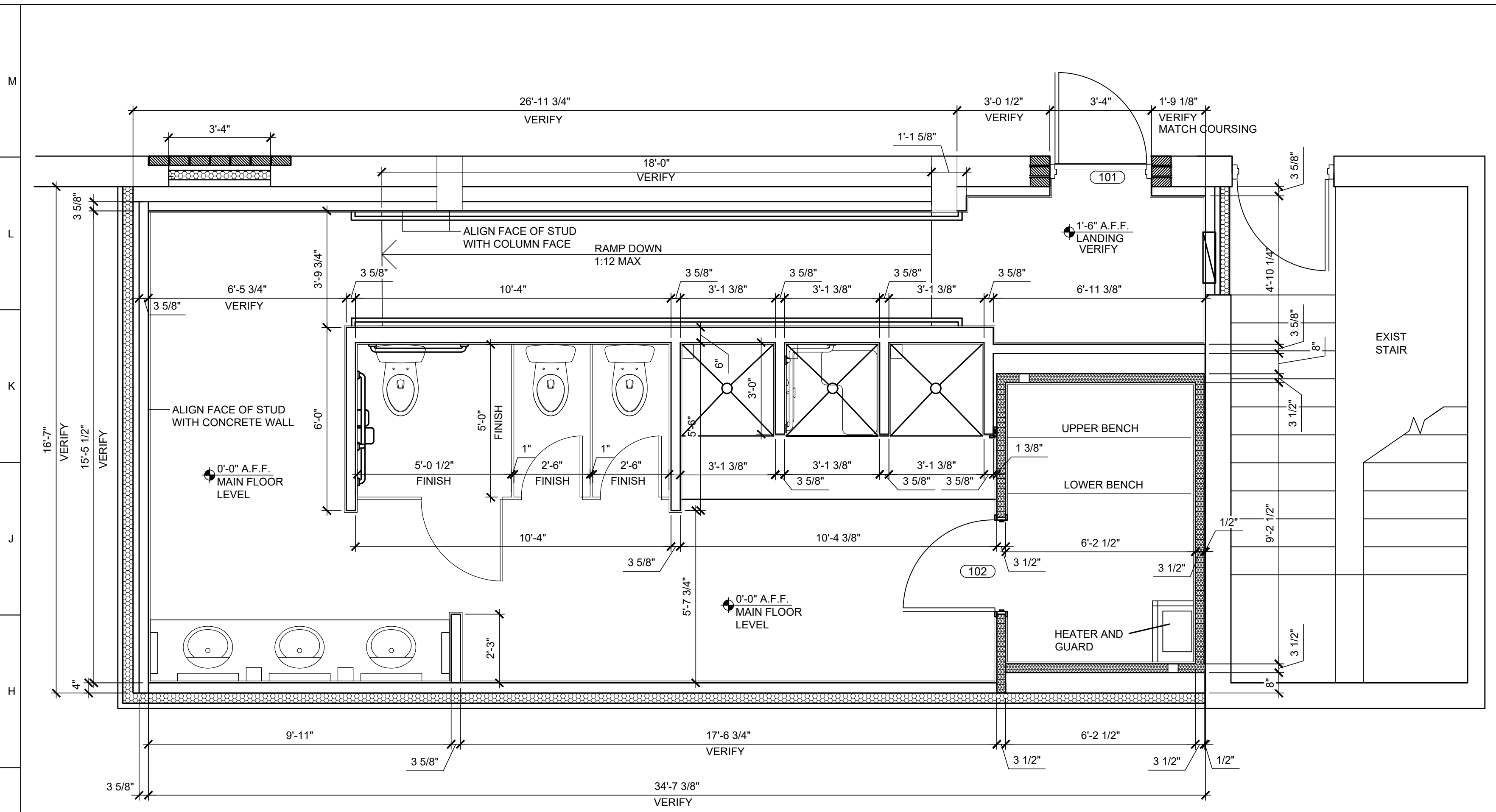
NOTE	ITEM
A	5'-0" DIAMETER CLEAR FLOOR TURNING SPACE
B	30" X 48" CLEAR FLOOR SPACE
C	56" X 60" MIN. CLEAR FLOOR SPACE AROUND WATER CLOSET

SCOPE-OF-WORK NOTES

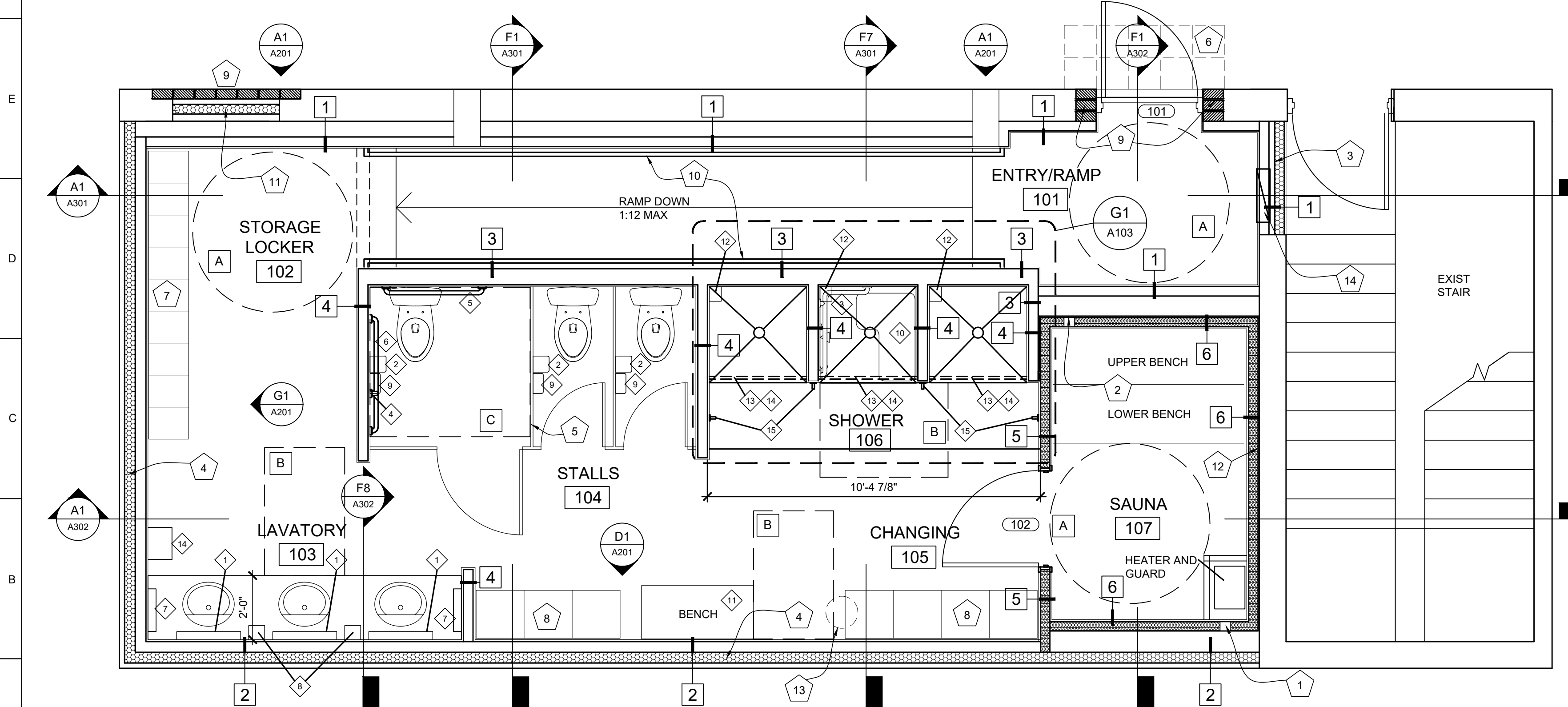
- SAUNA INLET VENT - FINAL LOCATION AND SIZE TO BE DETERMINED BY SAUNA MANUFACTURER
- SAUNA EXHAUST VENT - FINAL LOCATION AND SIZE TO BE DETERMINED BY SAUNA MANUFACTURER
- INFILL EXISTING OPENING WITH STEEL STUDS & GYPSUM BOARD - ALIGN FINISHES
- FILL STUD CAVITIES FOR EXTERIOR WALLS WITH CLOSED CELL SPRAY FOAM INSULATION - FLOOR TO UNDERSIDE OF ROOF DECK.
- INSTALL OVERHEAD BRACED TOILET PARTITIONS
- INSTALL NEW VCT FLOORING TO MATCH EXISTING - TOOTH INTO EXISTING.
- SOLID PLASTIC STORAGE LOCKERS. 12 X 15 X 6'-0" EACH 2-TIER
- SOLID PLASTIC CHANGING LOCKERS. 18 X 18 X 6'-0" EACH 1-TIER
- TOOTH IN MASONRY TO ACCOMMODATE INSTALLATION OF SALVAGED/NEW BRICK VENEER
- 1-1/2" DIA HANDRAIL - MOUNT AT 34" A.F.F.
- INFILL EXISTING OPENING WITH 3-1/2" STEEL STUDS & CEMENT BOARD SHEATHING ON GYMNASIUM SIDE FOR SUPPORT OF BRICK VENEER
- INSTALL 1 LAYER 1/2" CEMENT BOARD TO EXISTING WALL
- FILL EXISTING HOLE FROM FLUE REMOVAL WITH CONCRETE TO MATCH DEPTH OF FLOOR SLAB
- NEW ELECTRIC PANEL-SEE MEP DRAWINGS

PARTITION TYPE NOTES

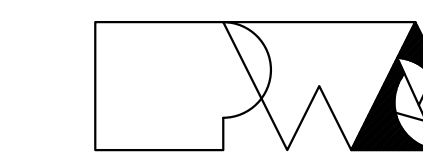
- 3 1/2" STEEL STUDS @ 16" O.C. W/ 1/2" GYP. BD. ON FINISHED SIDE. TOP OF WALL AT 12" ABOVE NEW CEILING HEIGHT
- 3 1/2" STEEL STUDS @ 16" O.C. WITH 1/2" CEMENT BOARD ON FINISHED SIDE WITH SPRAY FOAM INSULATION
- 6" OR 3 1/2" STEEL STUDS @ 16" O.C. WITH 1/2" CEMENT BOARD SHOWER SIDE AND 1/2" GYP. BD. ON RAMP SIDE.
- 3 1/2" STEEL STUDS @ 16" O.C. WITH 1/2" CEMENT BOARD ON FINISHED SIDES
- 2X4 WOOD STUDS @ 16" O.C. WITH 1X4 T & G SIDING EACH SIDE WITH SPRAY FOAM INSULATION
- 2X4 WOOD STUDS @ 16" O.C. WITH 1X4 T & G SIDING ON FINISHED SIDE W/ SPRAY FOAM INSULATION



G1 FLOOR PLAN-DIMENSIONS
SCALE: 3/8" = 1'-0"



A1 FLOOR PLAN-NOTES
SCALE: 3/8" = 1'-0"



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ISSUE DATE: 09/17/2024

CAD DWG FILE: R2402-CD
DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
**REFLECTED
CEILING & FLOOR
FINISH PLANS**

SHEET NUMBER:

A-102

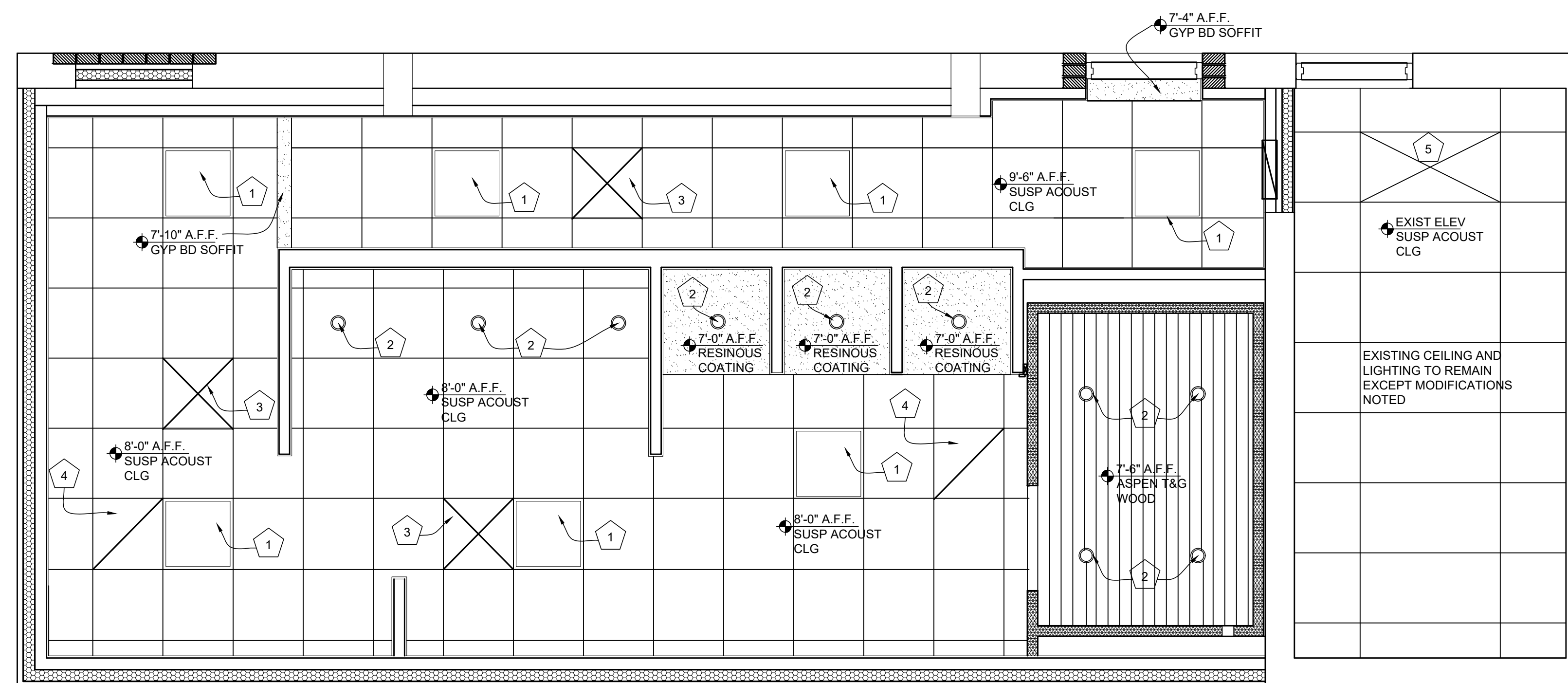
5 OF 17 SHEETS
09/17/2024

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

CEILING PLAN SCOPE NOTES

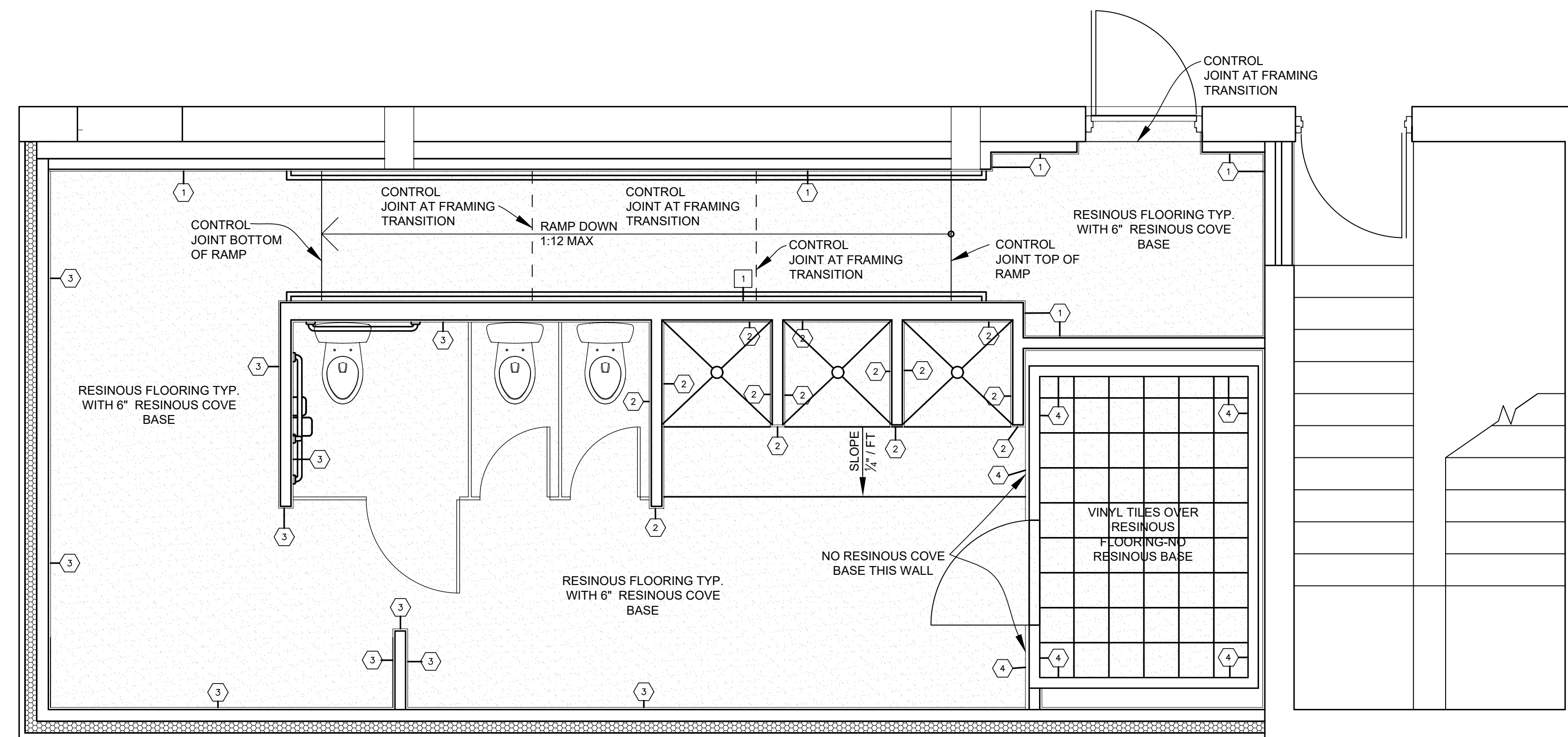
- 2 X 2 LIGHT FIXTURE - SEE MEP DRAWINGS
- CAN LIGHT FIXTURE - SEE MEP DRAWINGS
- SUPPLY AIR DIFFUSER - SEE MEP DRAWINGS
- RETURN AIR GRILL - SEE MEP DRAWINGS
- MODIFY EXISTING CEILING AND RELOCATE SALVAGED LIGHT FIXTURE TO LOCATION INDICATED. TIE FIXTURE TO STAIR LIGHTING-SEE MEP



G1 REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"

WALL FINISH NOTES

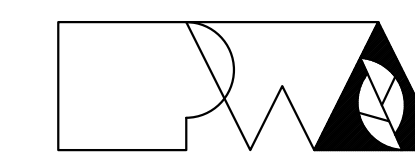
- PAINT OVER GYPSUM BOARD OVER STUDS-PROVIDE 6" OF CEMENT BOARD AT BASE FOR RESINOUS COVE BASE
- RESINOUS WALL COATING OVER CEMENT BOARD OVER STUDS
- CERAMIC TILE OVER CEMENT BOARD OVER STUDS
- 1 X 4 WOOD SIDING OVER WOOD STUD FRAMING-SEE SAUNA SPECIFICATIONS



A1 FLOOR PLAN-FLOOR AND WALL FINISHES
SCALE: 3/8" = 1'-0"



09/17/2024



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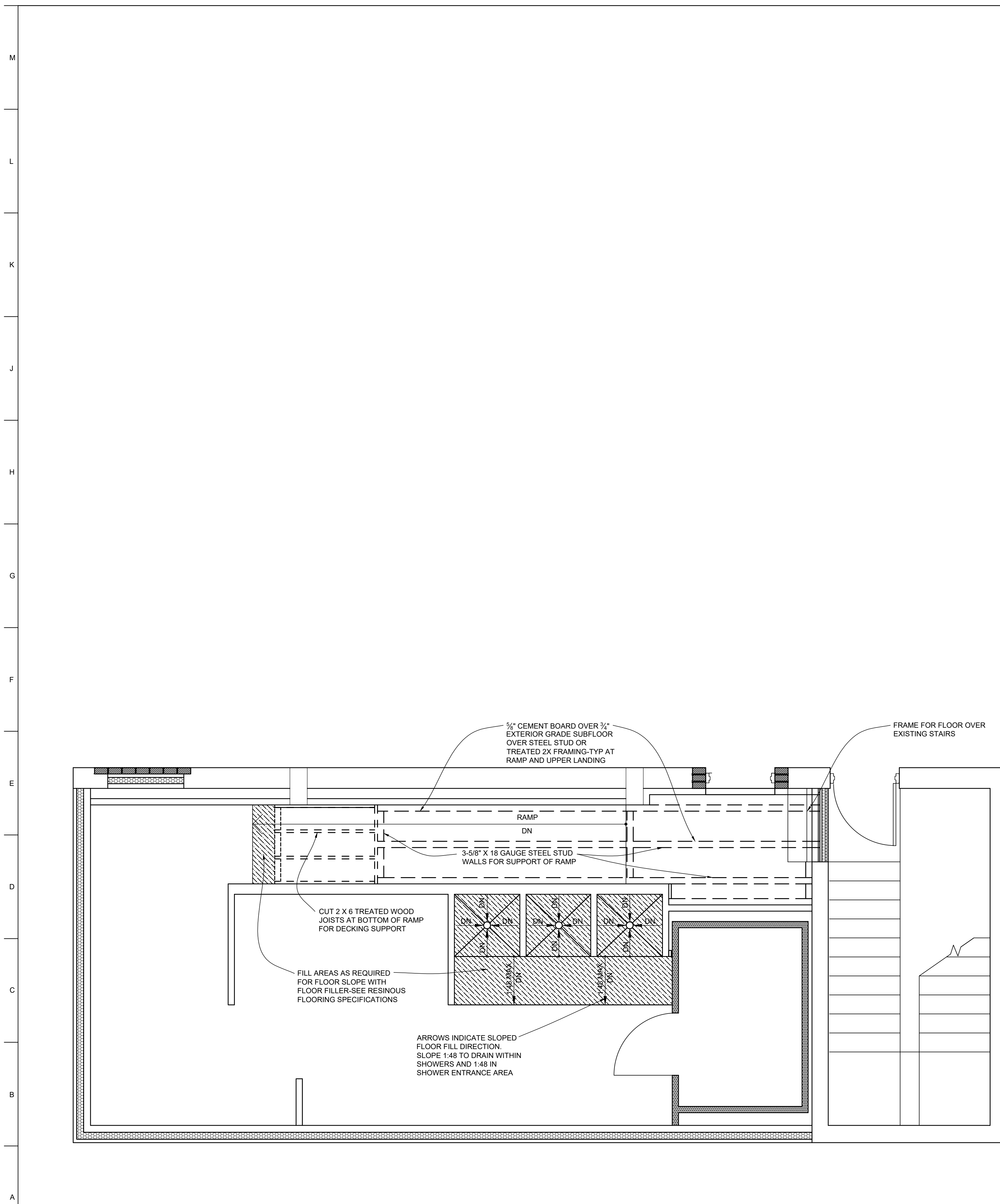
CAD DWG FILE: R2402-CD
DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
**FLOOR PLAN
FRAMING AND
SUB-FLOOR FILL**

SHEET NUMBER:
A-103
6 OF 17 SHEETS
09/17/2024

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



FLOOR PLAN-RAMP FRAMING AND SUB-FLOOR FILL
SCALE: 3/8" = 1'-0"

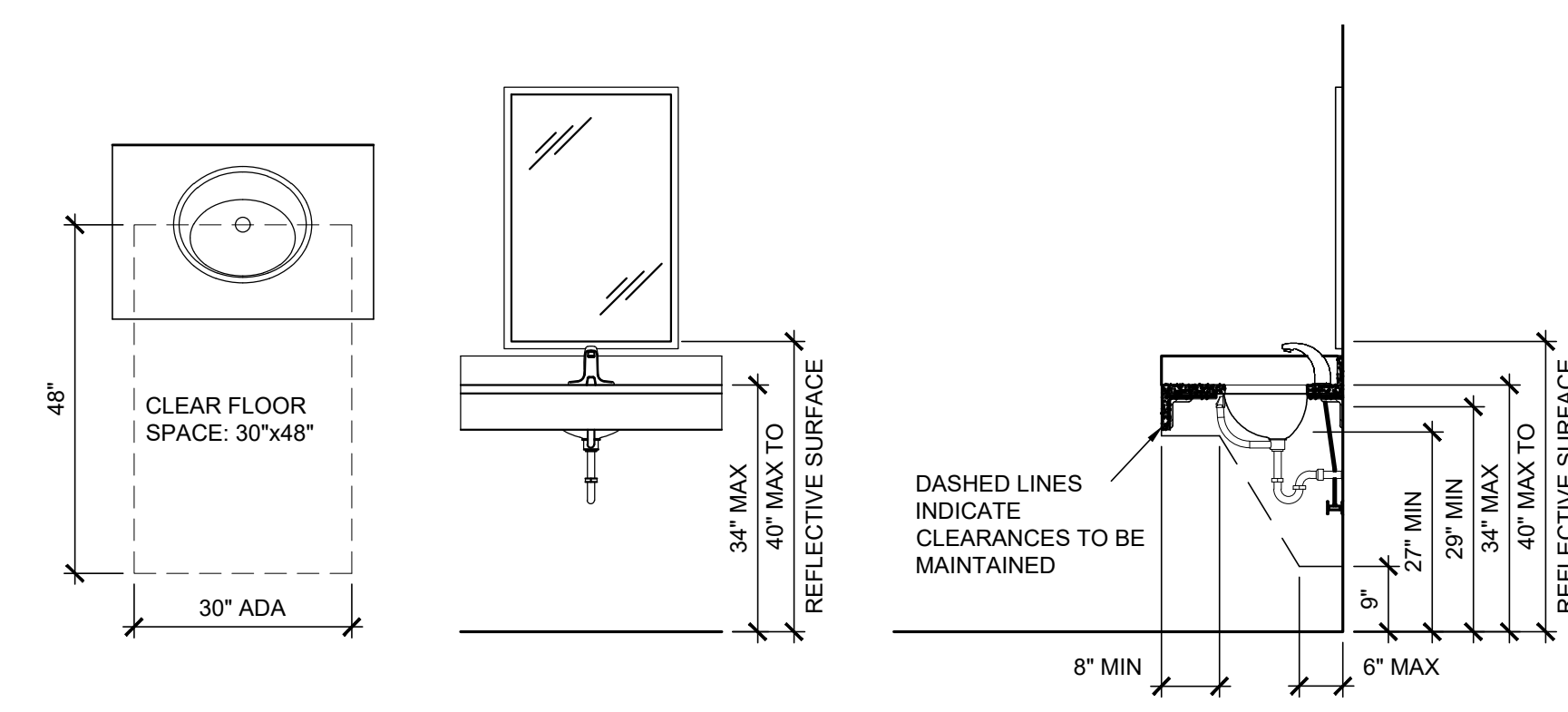


ROOM FINISH SCHEDULE										
ROOM #	ROOM NAME	FLOOR MATL	BASE MATL	WALL				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	
101	ENTRY/RAMP	RFS	RCB	P-1	P-1	P-1	--	ACT-1	8'-0"	CEILING HEIGHT ABOVE LANDING
102	STORAGE LOCKER	RFS	RCB	P-1	P-1	P-1	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS
103	LAVATORY	RFS	RCB	--	CT	CT	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS & CLNG
104	STALLS	RFS	RCB	CT	--	--	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS & CLNG
105	CHANGING	RFS	RCB	--	WD-1	CT	CT	ACT-1	8'-0"	
106	SHOWER	RFS	RCB	RCS-1	RCS-1	--	RCS-1	RCS-1	7'-0"	RCS-1 ENTIRE CEILING & SOFFIT WALLS
107	SAUNA	RFS	WD-1	WD-1	WD-1	WD-1	WD-1	WD-1	7'-6"	SEE SAUNA SPECIFICATIONS

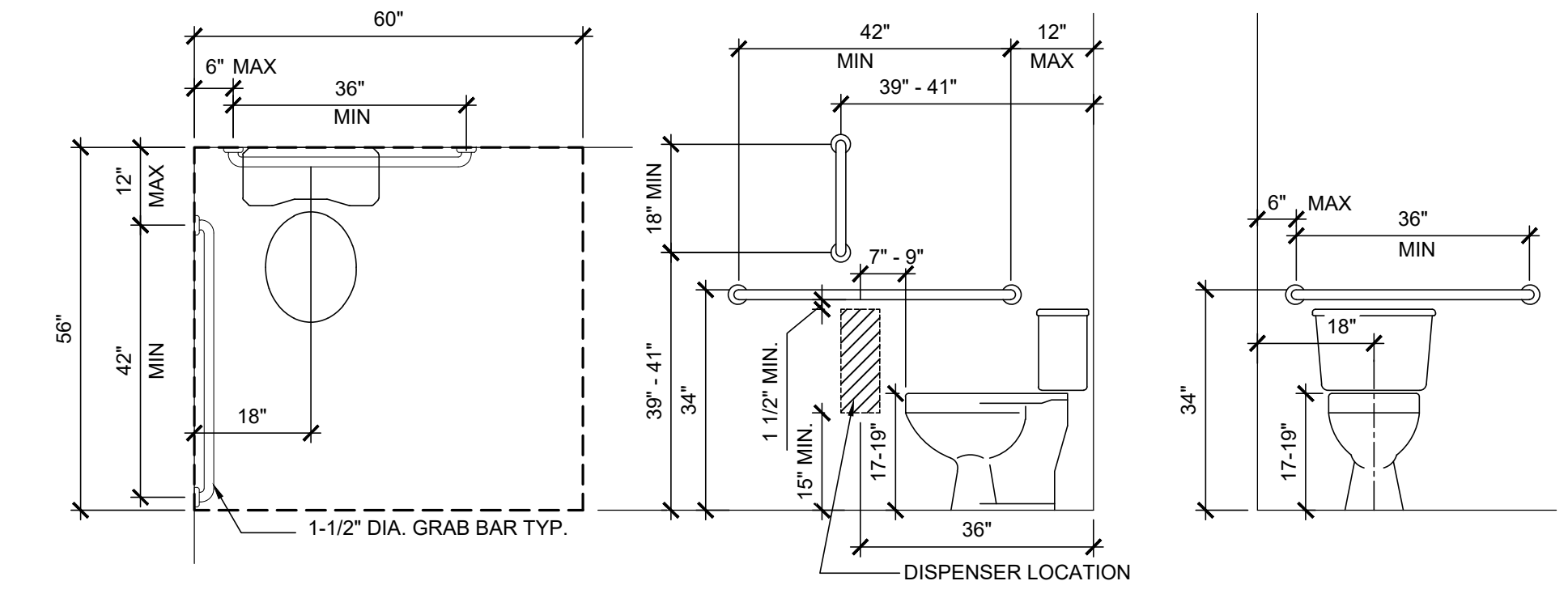
FINISH SCHEDULE MATERIAL LEGEND									
FLOORS: RFS: RESINOUS FLOORING SYSTEM VCT: VINYL COMPOSITE TILE COLOR TO MATCH EXISTING			WALL TILE: CT: CROSSVILLE - COLOR BLOX 2.0 - 12 X 24 COLOR: SLUNKY CBX03 GROUT: MAPEI COLOR: IRON 107				CEILING: ACT-1: USG MARS HEALTHCARE ACOUSTICAL PANELS WD-1: ASPEN WOOD T & G PLANKS RCS-1: SMOOTH RESINOUS COATING SYSTEM		
COVE BASE: RCB: TEXTURED RESINOUS COVE BASE TO MATCH RESINOUS FLOORING SYSTEM VCB: VINYL COVE BASE-REINSTALL SALVAGED BASE			GYPSUM BOARD PAINT: P-1: COLOR AS SELECTED METAL SURFACES PAINT: P-2: COLOR AS SELECTED				TOILET PARTITIONS & BENCH: SOLID PLASTIC		
WALL AND METAL COATING: P-1: PAINT - EGGSHELL P-2: PAINT - SEMI GLOSS			SHOWER WALL COATING: RCS-1: SMOOTH RESINOUS COATING SYSTEM				LOCKERS: SOLID PLASTIC		
							COUNTERTOPS: SS: SOLID SURFACE (COUNTERTOPS) CORIAN - COLOR SELECTED FROM STANDARDS		

FINISH SCHEDULE NOTES

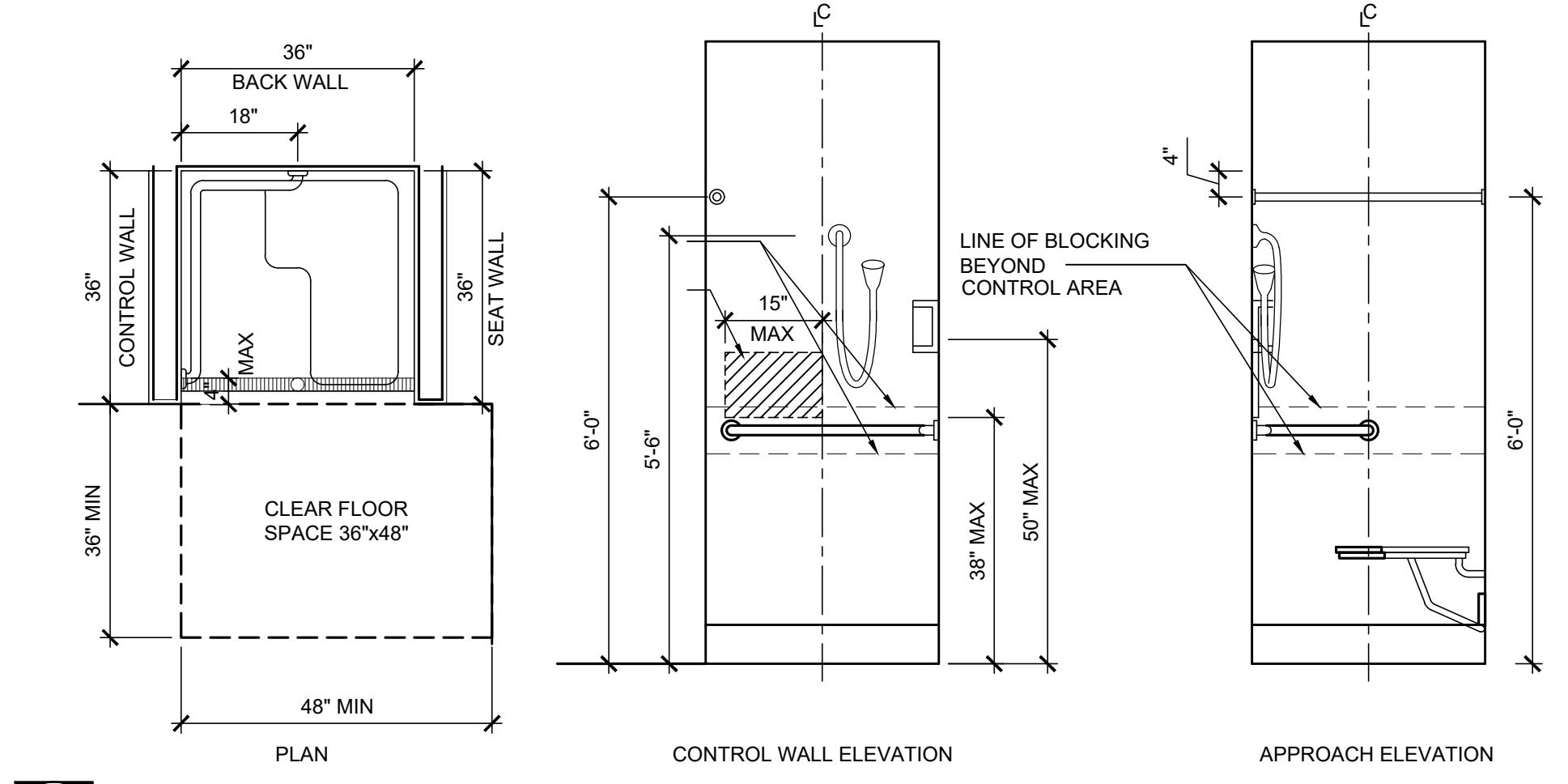
- SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND DETAILS.
- SEE INTERIOR ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION.
- PAINT NEW AND EXISTING HOLLOW METAL DOOR FRAMES AND MISCELLANEOUS STEEL P-2.
- EXISTING FINISHES TO REMAIN U.N.O. PATCH, REPAIR, AND PAINT WHERE NEEDED.



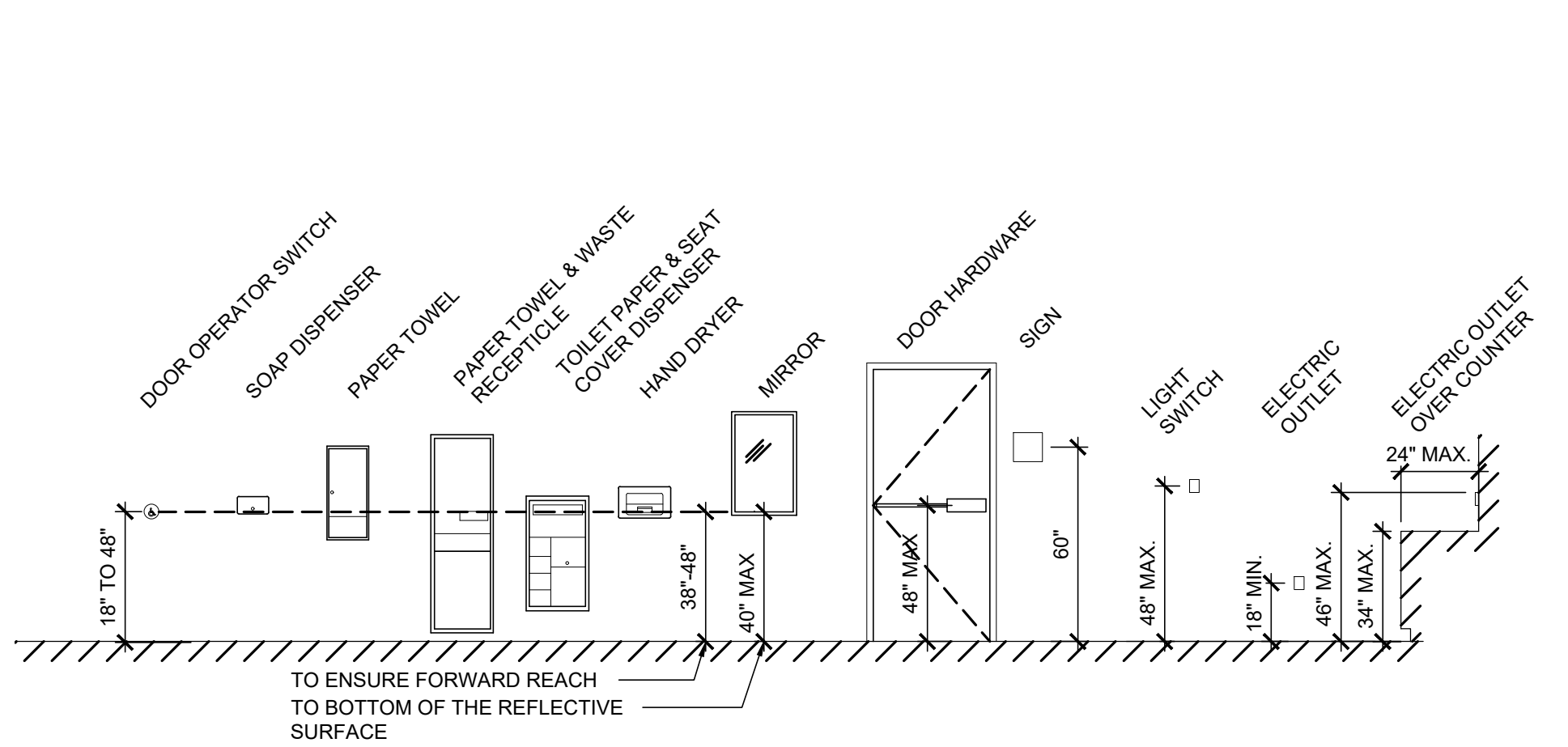
K11 TYPICAL A.D.A. MOUNTING HEIGHTS AT LAVATORIES
SCALE: 1/2" = 1'-0"



G11 TYPICAL ACCESSIBLE TOILET ACCESSORY MOUNTING LOCATIONS & HEIGHTS
SCALE: 1/2" = 1'-0"



D11 TYPICAL A.D.A. TRANSFER SHOWER WITH SEAT
SCALE: 1/2" = 1'-0"



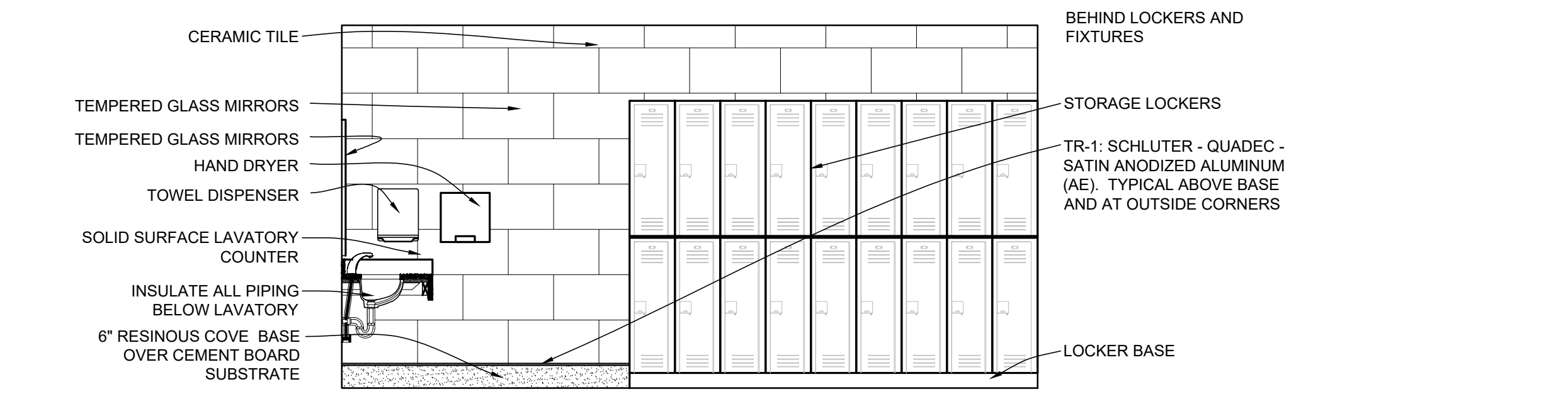
A7 TYPICAL A.D.A. MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE										
ROOM #	ROOM NAME	FLOOR MATL	BASE MATL	WALL				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	
101	ENTRY/RAMP	RFS	RCB	P-1	P-1	P-1	--	ACT-1	8'-0"	CEILING HEIGHT ABOVE LANDING
102	STORAGE LOCKER	RFS	RCB	P-1	P-1	P-1	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS
103	LAVATORY	RFS	RCB	--	CT	CT	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS & CLNG
104	STALLS	RFS	RCB	CT	--	--	CT	ACT-1	8'-0"	PAINT NEW WALLS, TOUCH UP OTHER WALLS & CLNG
105	CHANGING	RFS	RCB	--	WD-1	CT	CT	ACT-1	8'-0"	
106	SHOWER	RFS	RCB	RCS-1	RCS-1	--	RCS-1	RCS-1	7'-0"	RCS-1 ENTIRE CEILING & SOFFIT WALLS
107	SAUNA	RFS	WD-1	WD-1	WD-1	WD-1	WD-1	WD-1	7'-6"	SEE SAUNA SPECIFICATIONS

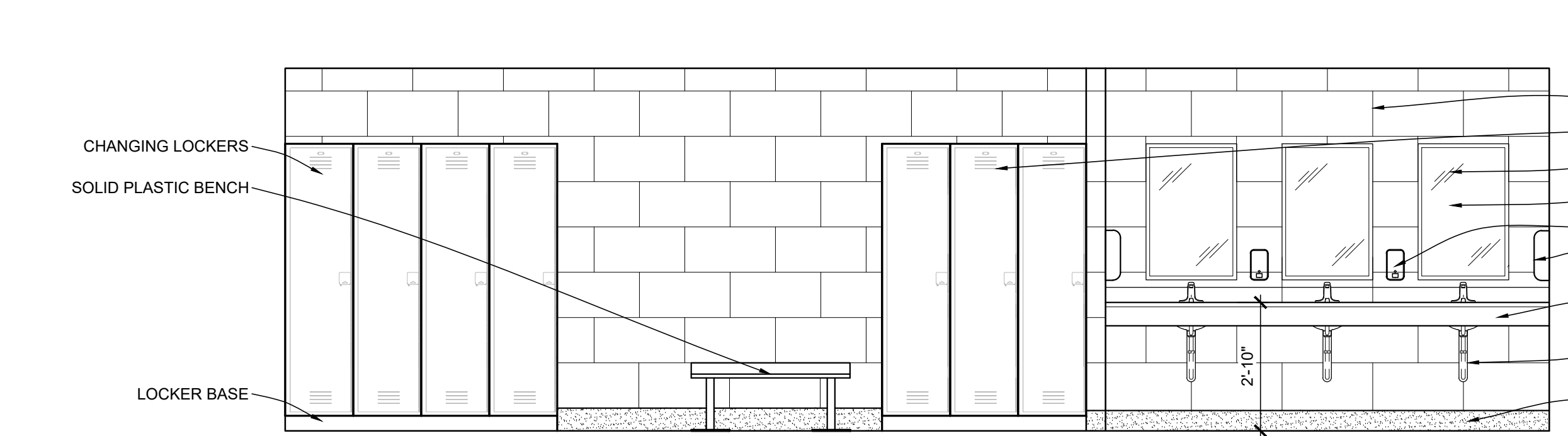
FINISH SCHEDULE MATERIAL LEGEND									
FLOORS: RFS: RESINOUS FLOORING SYSTEM VCT: VINYL COMPOSITE TILE COLOR TO MATCH EXISTING			WALL TILE: CT: CROSSVILLE - COLOR BLOX 2.0 - 12 X 24 COLOR: SLUNKY CBX03 GROUT: MAPEI COLOR: IRON 107				CEILING: ACT-1: USG MARS HEALTHCARE ACOUSTICAL PANELS WD-1: ASPEN WOOD T & G PLANKS RCS-1: SMOOTH RESINOUS COATING SYSTEM		
COVE BASE: RCB: TEXTURED RESINOUS COVE BASE TO MATCH RESINOUS FLOORING SYSTEM VCB: VINYL COVE BASE-REINSTALL SALVAGED BASE			GYPSUM BOARD PAINT: P-1: COLOR AS SELECTED METAL SURFACES PAINT: P-2: COLOR AS SELECTED				TOILET PARTITIONS & BENCH: SOLID PLASTIC		
WALL AND METAL COATING: P-1: PAINT - EGGSHELL P-2: PAINT - SEMI GLOSS			SHOWER WALL COATING: RCS-1: SMOOTH RESINOUS COATING SYSTEM				LOCKERS: SOLID PLASTIC		
							COUNTERTOPS: SS: SOLID SURFACE (COUNTERTOPS) CORIAN - COLOR SELECTED FROM STANDARDS		

FINISH SCHEDULE NOTES

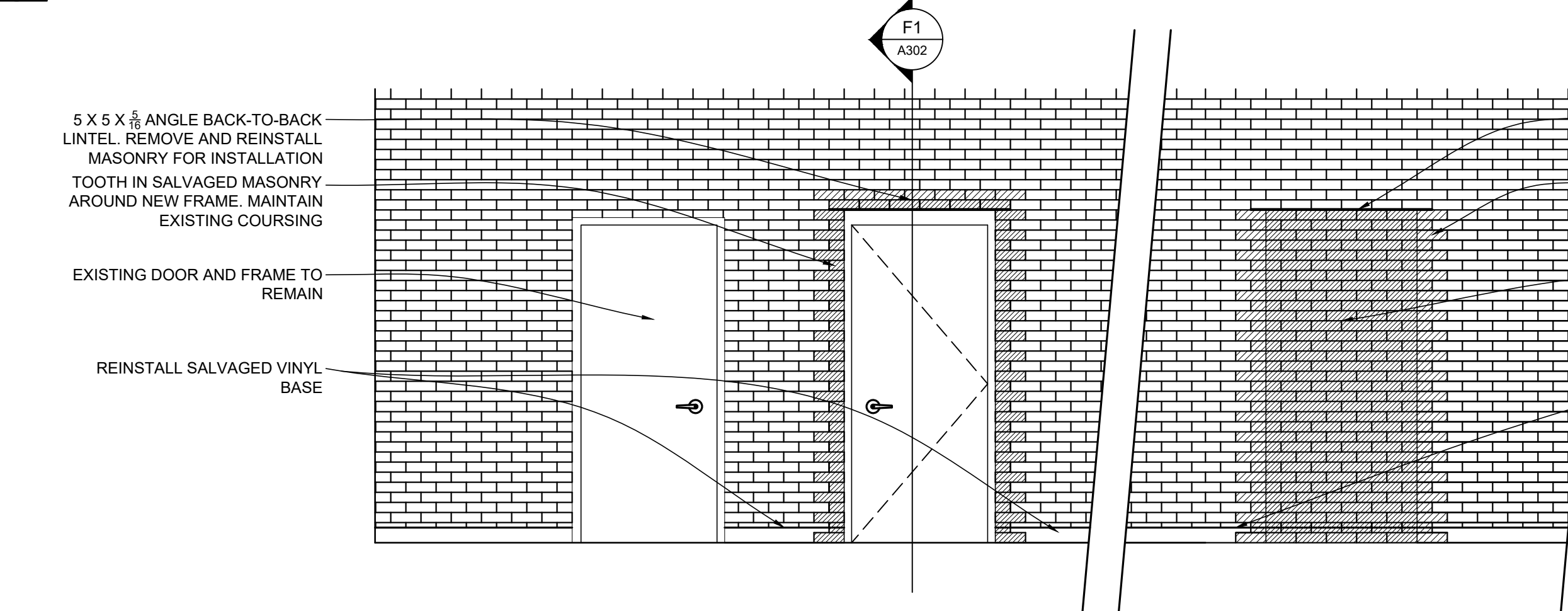
- SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND DETAILS.
- SEE INTERIOR ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION.
- PAINT NEW AND EXISTING HOLLOW METAL DOOR FRAMES AND MISCELLANEOUS STEEL P-2.
- EXISTING FINISHES TO REMAIN U.N.O. PATCH, REPAIR, AND PAINT WHERE NEEDED.



G1 ELEVATION LOOKING NORTH FROM LOCKER ROOM
SCALE: 3/8" = 1'-0"



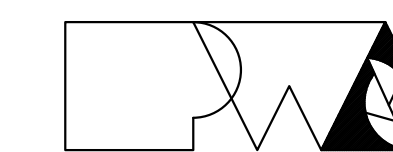
O1 ELEVATION LOOKING WEST FROM LOCKER ROOM
SCALE: 3/8" = 1'-0"



A1 ELEVATION LOOKING WEST FROM GYMNASIUM
SCALE: 3/8" = 1'-0"



09/17/2024



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Missouri State Certificate of Authority No. 000244

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

RENOVATE WOMENS
LOCKER ROOM,
ACADEMY PHYSICAL
TRAINING BUILDING
MSHP GENERAL HEAD-
QUARTERS COMPLEX
1510 E ELM ST
JEFFERSON CITY, MO

PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/17/2024

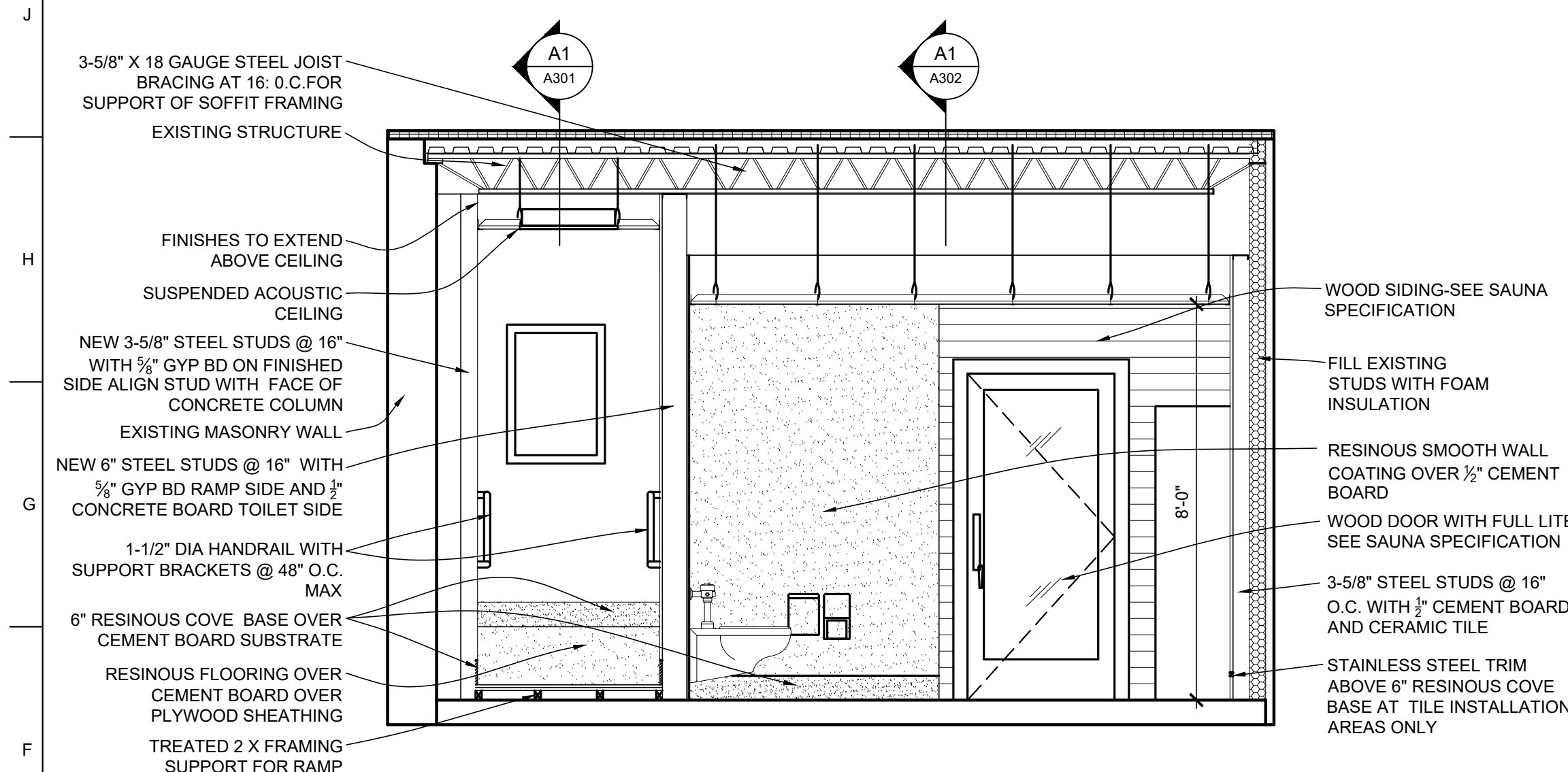
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DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
SECTION DETAILS

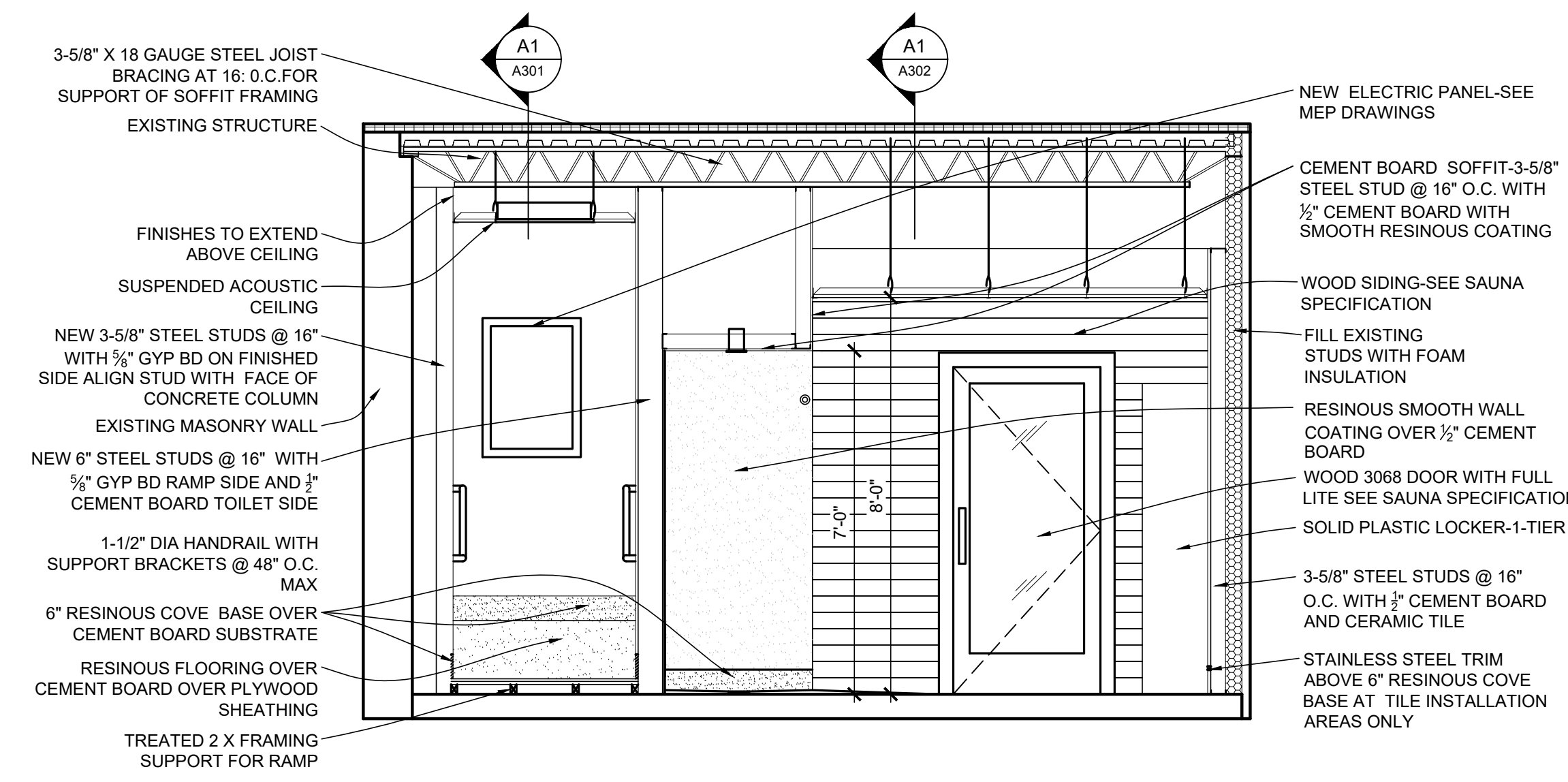
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A-301

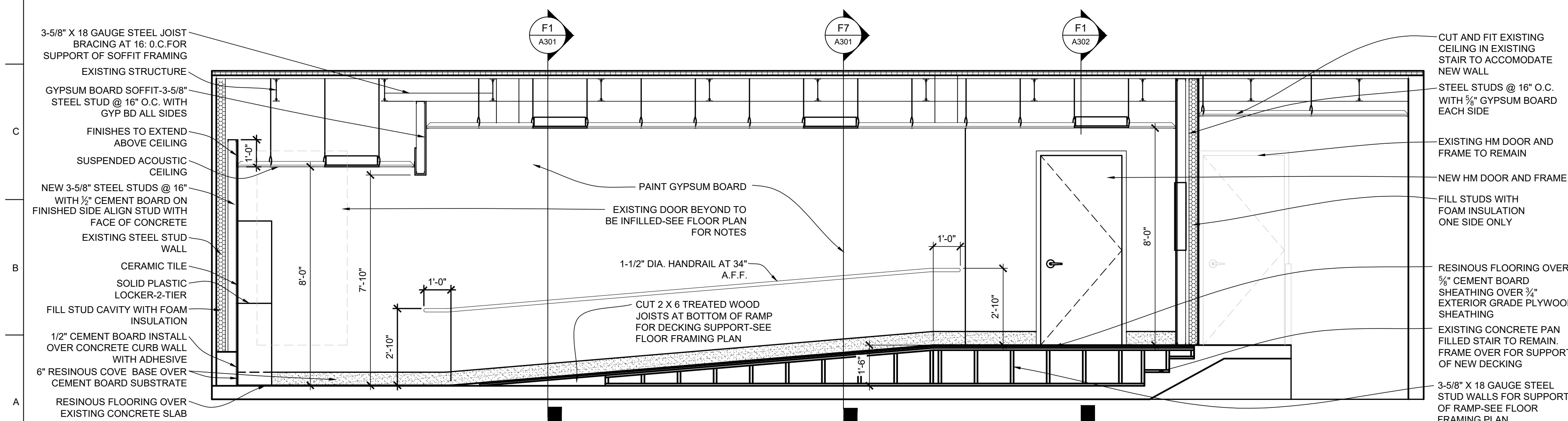
8 OF 17 SHEETS
09/17/2024



**F7 E6
A-101** BUILDING SECTION
SCALE: 3/8" = 1'-0"



**F7 E6
A-101** BUILDING SECTION
SCALE: 3/8" = 1'-0"



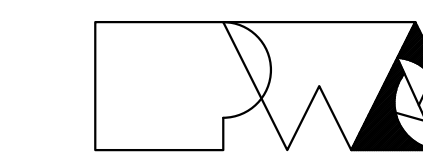
**A1 D1
A-101** BUILDING SECTION
SCALE: 3/8" = 1'-0"



**A1 D1
A-101** BUILDING SECTION
SCALE: 3/8" = 1'-0"

M
L
K
J
H
G
F
E
D
C
B
A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



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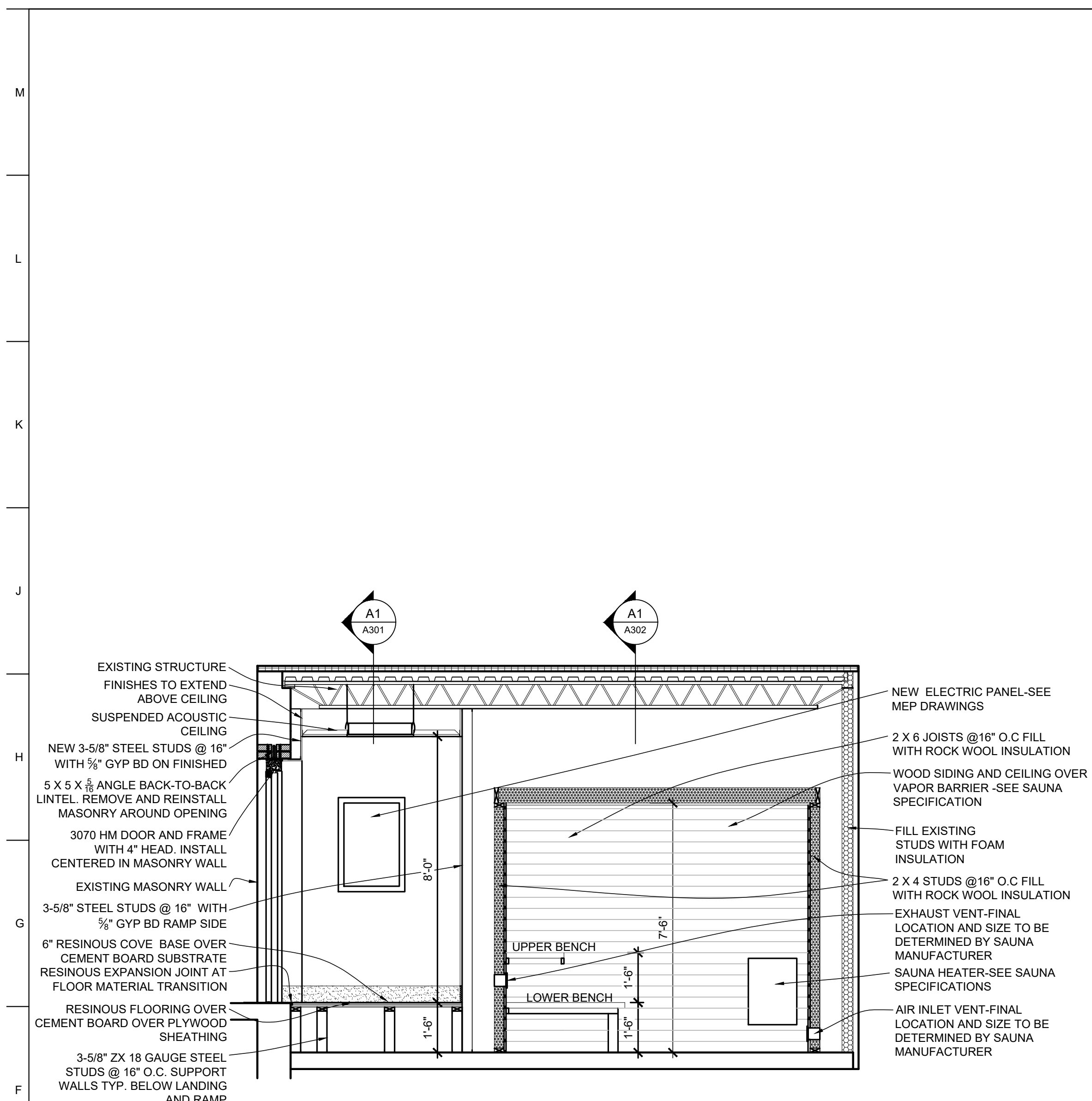
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DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

SHEET TITLE:
SECTION DETAILS

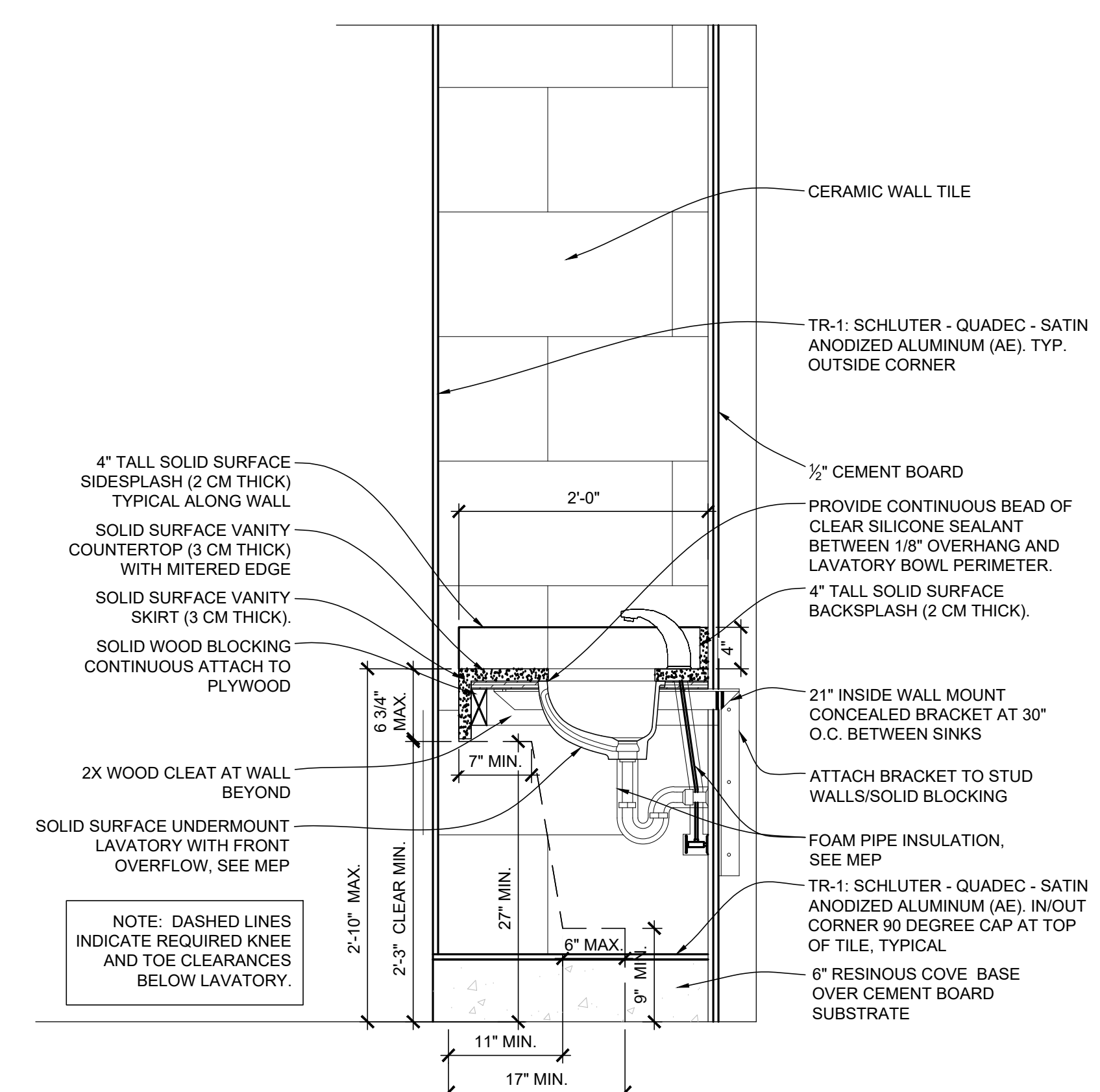
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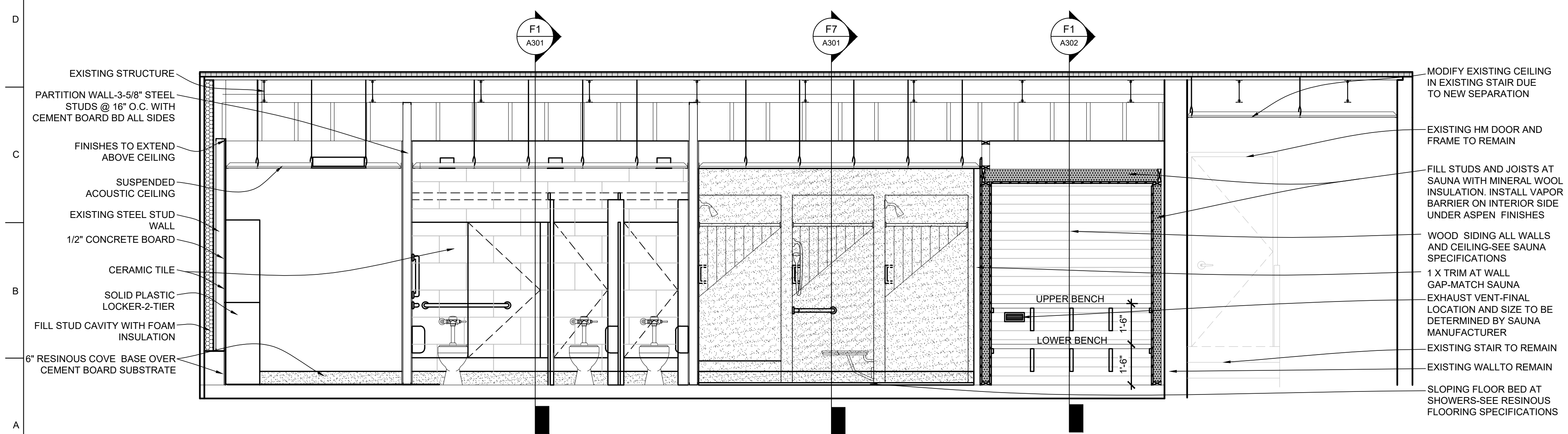
9 OF 17 SHEETS
09/17/2024



F1 E7 BUILDING SECTION
SCALE: 3/8" = 1'-0"



F8 B3 DETAIL SECTION AT LAVATORY
SCALE: 1" = 1'-0"



A1 B1 BUILDING SECTION
SCALE: 3/8" = 1'-0"

MODIFY EXISTING CEILING IN EXISTING STAIR DUE TO NEW SEPARATION
EXISTING HM DOOR AND FRAME TO REMAIN
FILL STUDS AND JOISTS AT SAUNA WITH MINERAL WOOL INSULATION. INSTALL VAPOR BARRIER ON INTERIOR SIDE UNDER ASPEN FINISHES
WOOD SIDING ALL WALLS AND CEILING-SEE SAUNA SPECIFICATIONS
1 X TRIM AT WALL GAP-MATCH SAUNA
EXHAUST VENT-FINAL LOCATION AND SIZE TO BE DETERMINED BY SAUNA MANUFACTURER
EXISTING STAIR TO REMAIN
EXISTING WALL TO REMAIN
SLOPING FLOOR BED AT SHOWERS-SEE RESINOUS FLOORING SPECIFICATIONS

M
L
K
J
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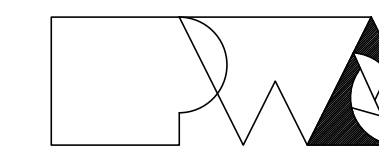
GENERAL DOOR DETAIL NOTES

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 WORK.
2. VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
3. SEE DOOR SCHEDULE AND DETAILS FOR DOOR DIMENSIONS AND DETAILS.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



09/17/2024



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ISSUE DATE: 09/17/2024

CAD DWG FILE: R2402-CD
DRAWN BY: AB/EM
CHECKED BY: EM
DESIGNED BY: AB/EM

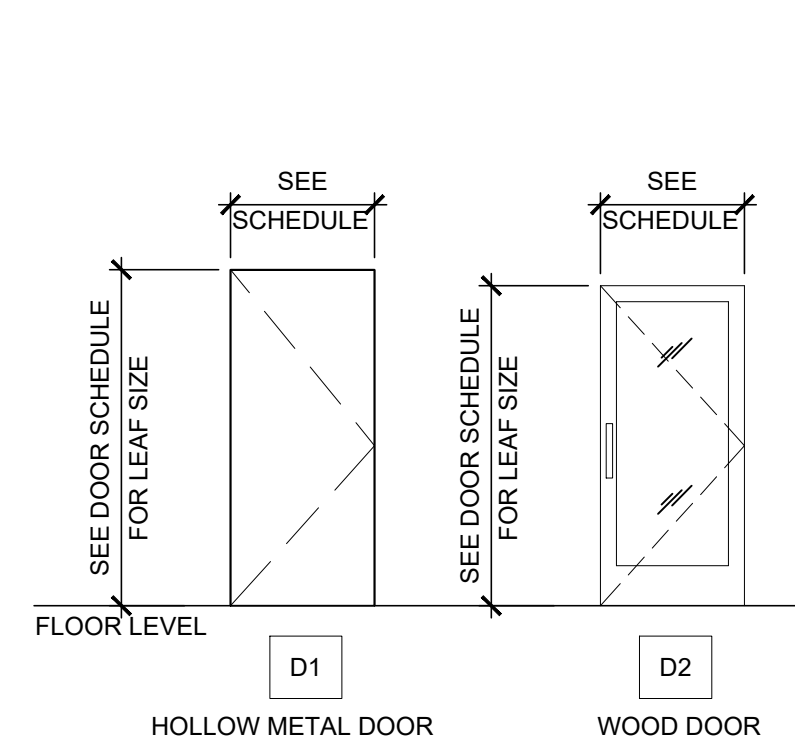
SHEET TITLE:
DOOR SCHEDULE
DOOR DETAILS

SHEET NUMBER:

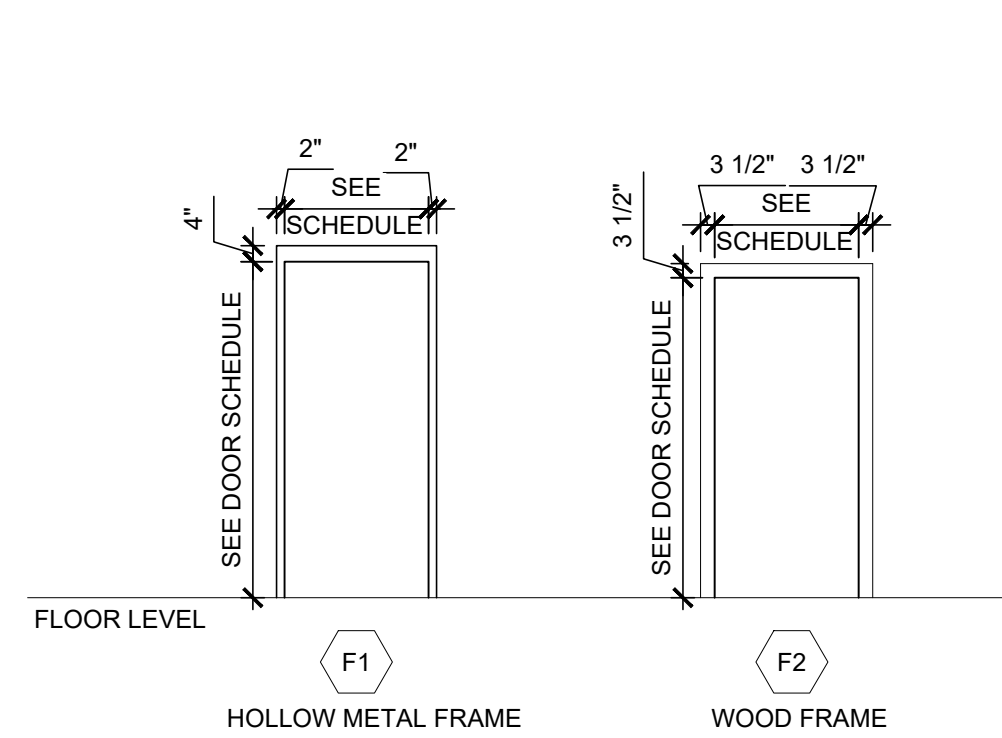
A-601

10 OF 17 SHEETS
09/17/2024

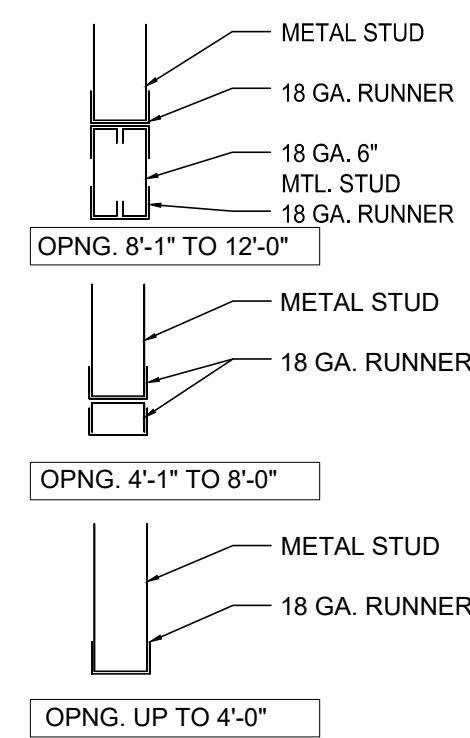
DOOR SCHEDULE				FRAME SCHEDULE			HDWR	FIRE RATING	REMARKS		
DOOR NO.	DOOR LEAF SIZE W X H	MATERIAL		MATERIAL			HARDWARE GROUP				
		DOOR ELEVATION		FRAME ELEVATION	DETAILS						
		WOOD	HOLLOW METAL	WOOD	HOLLOW METAL	HEAD	JAMB	SILL			
101	3'-0" X 7'-0"	D1	X	F1	X	A12 / A-601	A12 / A-601	---	1	---	SEE SPECIFICATIONS FOR DOOR HARDWARE
102	3'-0" X 6'-8"	D2	X	F2	X						SEE SAUNA SPECIFICATIONS



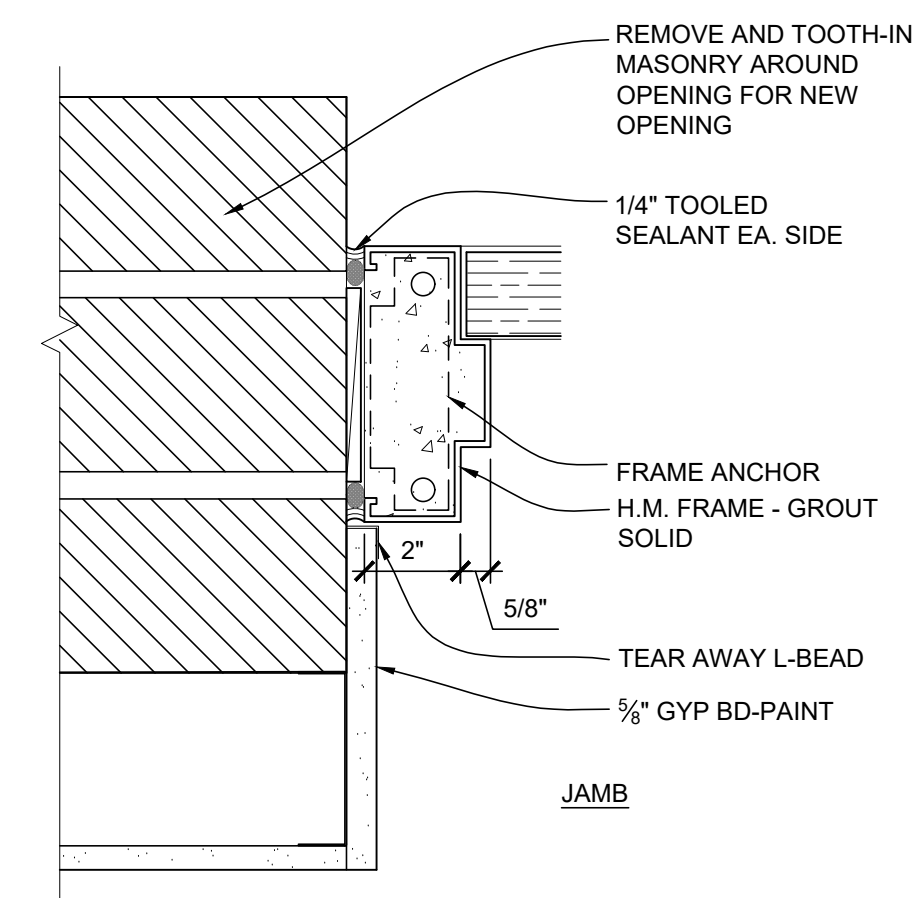
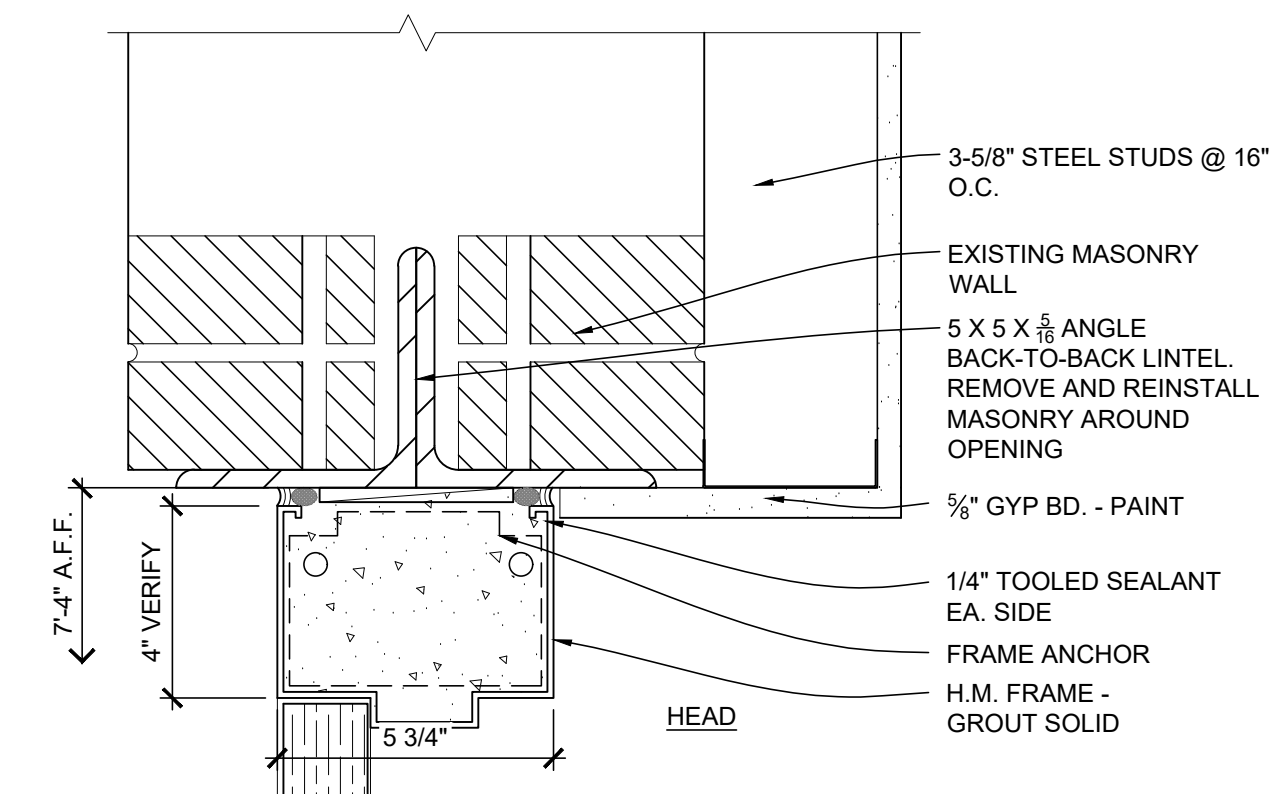
A1 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



A4 FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



A7 HEADER SCHEDULE
SCALE: 1" = 1'-0"



A12 HOLLOW METAL DOOR
SCALE: 3/8" = 1'-0"

GENERAL MEP SPECIFICATIONS

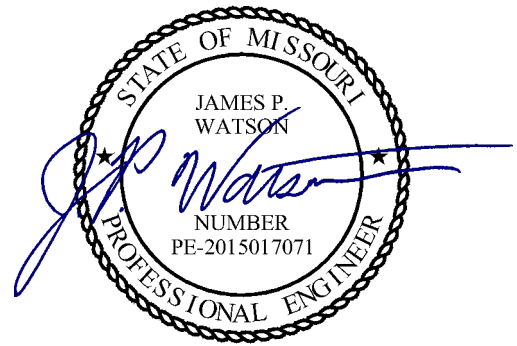
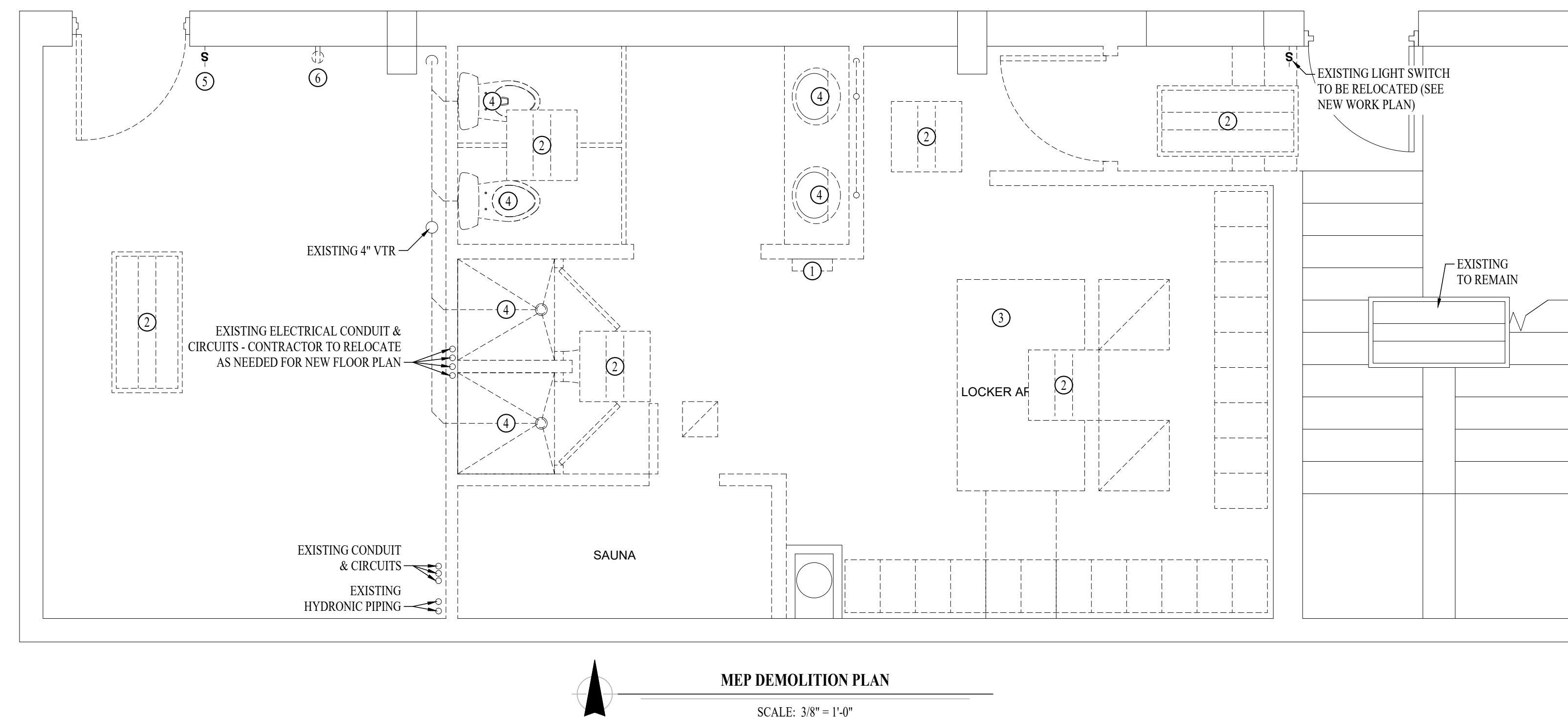
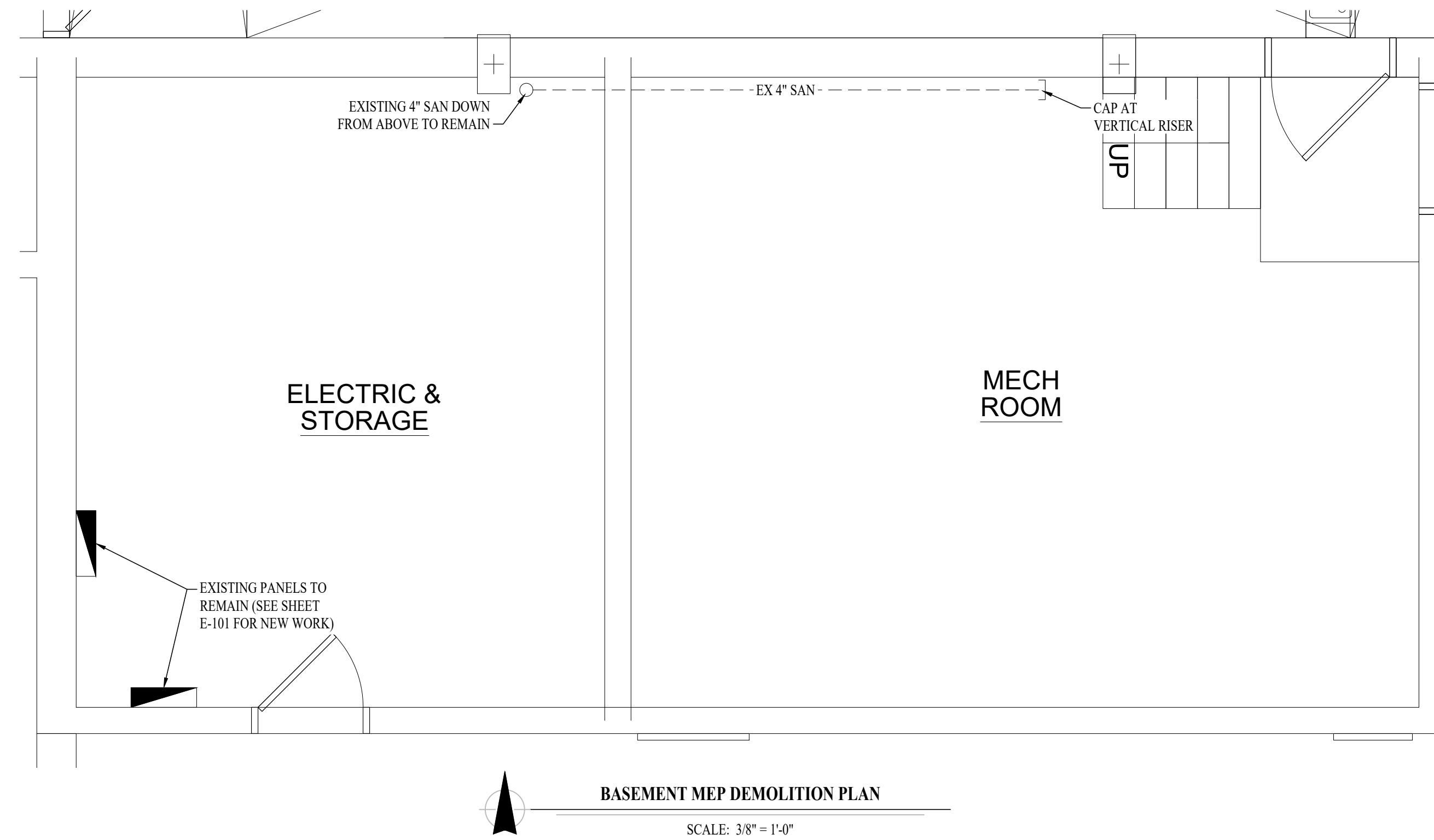
1. **GENERAL**
 - 1.1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH LOCALLY ADOPTED CODES AND ORDINANCES.
 - 1.2. IT IS THE RESPONSIBILITY OF CONTRACTOR TO REVIEW AND UNDERSTAND ALL DRAWINGS AND SPECIFICATIONS IN CONTRACT DOCUMENTS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THEIR TRADE, REGARDLESS OF WHERE WORK IS DEPICTED IN PROJECT DRAWINGS OR SPECIFICATIONS.
 - 1.3. LAYOUT OF SYSTEMS SHOWN ON PLANS ARE APPROXIMATE AND SCHEMATIC IN NATURE. ALL SYSTEMS WILL NEED TO BE FIELD-COORDINATED. CONTRACTOR SHALL INCLUDE THIS COORDINATION IN THEIR SCOPE AND INCLUDE ALL COSTS OF MODIFYING LAYOUT AS REQUIRED IN THEIR BID. PLANS ARE NOT INTENDED TO BE SHOP DRAWINGS FROM WHICH MATERIALS CAN BE ORDERED, FABRICATED, OR INSTALLED WITHOUT ADDITIONAL FIELD MEASUREMENTS AND COORDINATION.
 - 1.4. NOT ALL SPECIFIC PIECES AND COMPONENTS OF EACH SYSTEM ARE DETAILED OR OUTLINED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PARTS AND LABOR TO PRODUCE A COMPLETE AND FULLY OPERATIONAL SYSTEM UNLESS STATED OTHERWISE ON PLANS. CONTRACTOR IS TO PROVIDE AND INCLUDE ALL EQUIPMENT AND MATERIAL NEEDED TO COMPLETE WORK ASSOCIATED WITH THEIR BID UNLESS ANY ITEMS ARE SPECIFICALLY NOTED ON PLANS AS PROVIDED BY OTHERS. ALL MATERIALS TO BE NEW, FIRST CLASS, AND INSTALLED PER MANUFACTURER'S PUBLISHED INSTRUCTIONS. WHERE CONFLICTS EXIST BETWEEN MEP PLANS AND CIVIL, ARCHITECTURAL, OR STRUCTURAL PLANS, NOTIFY MEP ENGINEER OF DISCREPANCIES FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK THAT MAY CONTRADICT INFORMATION ELSEWHERE IN THE PROJECT PLANS.
 - 1.5. THESE PLANS ARE NOT TO BE SCALED. SEE ARCHITECTURAL PLANS FOR DIMENSIONS. WHERE THERE IS A CONFLICT BETWEEN ARCHITECTURAL DIMENSIONS AND MEP DIMENSIONS, ARCHITECTURAL SHALL GOVERN.
 - 1.6. CONTRACTOR IS TO INCLUDE IN THEIR SCOPE THE COST OF ALL PERMITS, INSPECTIONS, METERING, TAPS, ETC. ASSOCIATED WITH THEIR WORK.
 - 1.7. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, CUTTING, CORING, PATCHING, AND BACKFILL REQUIRED TO COMPLETE THEIR WORK, UNLESS NOTED OTHERWISE ON PLANS.
 - 1.8. SPECIFIC EQUIPMENT MANUFACTURERS AND/OR MODEL NUMBERS LISTED ON PLANS ARE TO ESTABLISH A BASIS-OF-DESIGN FOR QUALITY AND PERFORMANCE. VERIFY THAT SUBSTITUTIONS WILL BE ACCEPTABLE PRIOR TO PURCHASE & INSTALLATION.
 - 1.9. NOTIFY ENGINEER OF ANY MAJOR PLAN DISCREPANCIES OR CONFLICTS PRIOR TO PROVIDING BIDS OR COMPLETING ANY WORK.
 - 1.10. SEE DISCIPLINE SHEETS FOR ADDITIONAL TRADE SPECIFIC SPECIFICATIONS.
 - 1.11. WHERE SHUTDOWN OF ANY EXISTING UTILITY OR SERVICE TO BUILDING IS REQUIRED FOR COMPLETION OF WORK, COORDINATE OUTAGE WITH OWNER AS TO NOT DISRUPT TYPICAL OPERATIONS.
2. **WORKMANSHIP**
 - 2.1. SYSTEMS SHALL BE INSTALLED IN A FIRST-CLASS MANNER USING BEST ACCEPTABLE METHODS AND PRACTICES.
 - 2.2. ALL SYSTEMS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING ORIENTATION. COMPONENTS SHALL BE INSTALLED LEVEL AND PLUMB WITH ATTENTION GIVEN TO OVERALL AESTHETICS.
 - 2.3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EQUIPMENT LOCATIONS AND SYSTEM ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
 - 2.4. CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE THE COMPLETED PROJECT IS RELEASED TO THE OWNER, UNLESS NOTED OTHERWISE ON PLANS.
 - 2.5. DURING INSTALLATION OF MATERIALS OR ACTIVITIES IN NEW WORK SCOPE, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. ANY DAMAGE TO EXISTING SURFACES OR EQUIPMENT SHALL BE CORRECTED AT NO COST TO OWNER.

MEP DEMOLITION PLAN GENERAL NOTES:

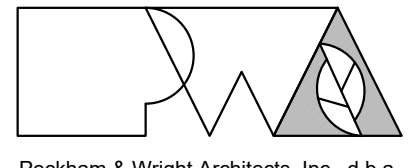
1. CONTRACTOR SHALL COORDINATE ALL DEMOLITION & REMOVAL OF DEMOLITION MATERIALS WITH OTHER WORK SEQUENCES.
2. REMOVE ALL ABANDONED ITEMS (VENTS, CONDUITS, PIPES, DUCTS, CURBS, ETC) AS NOTED.
3. CONTRACTOR SHALL PATCH HOLE WHERE PIPES ARE DEMOLISHED.

MEP DEMOLITION PLAN KEY NOTES:

- ① DEMOLISH EXISTING HAND DRYER, REMOVE CONDUIT & CONDUCTORS BACK TO PANEL.
- ② DEMOLISH EXISTING LIGHT FIXTURE, REMOVE CONDUCTORS BACK TO NEAREST J-BOX.
- ③ DEMOLISH EXISTING VAV UNIT & ASSOCIATED DUCTWORK. REMOVE CONDUCTORS BACK TO PANEL.
- ④ DEMOLISH EXISTING PLUMBING FIXTURE.
- ⑤ DEMOLISH EXISTING LIGHT SWITCH & REMOVE CONDUCTORS BACK TO NEAREST J-BOX.
- ⑥ DEMOLISH EXISTING RECEPTACLE & REMOVE CONDUCTORS BACK TO NEAREST J-BOX.

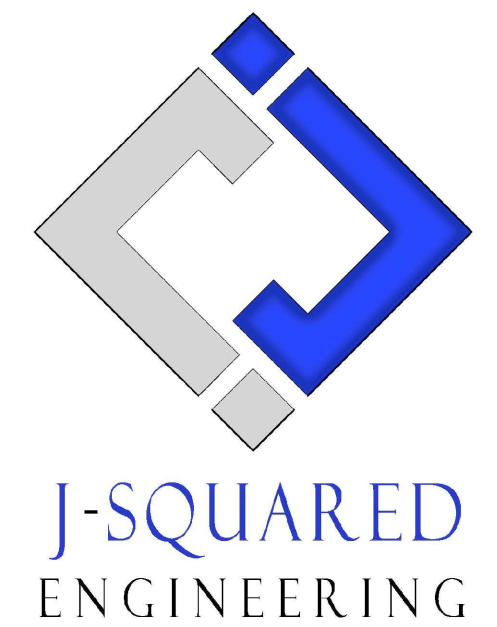


James Watson, P.E. September 17, 2024
PE-2015017071
MO Certificate of Authority # 2018029680



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PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 09/17/2024 (BID)

CAD DWG FILE: J21182
DRAWN BY: DET
CHECKED BY: JPW
DESIGNED BY: JAP

SHEET TITLE:
**MEP DEMOLITION
PLAN**

SHEET NUMBER:

MD-101

11 OF 17 SHEETS
09/17/2024 (BID)

HVAC PLAN SYMBOL LEGEND

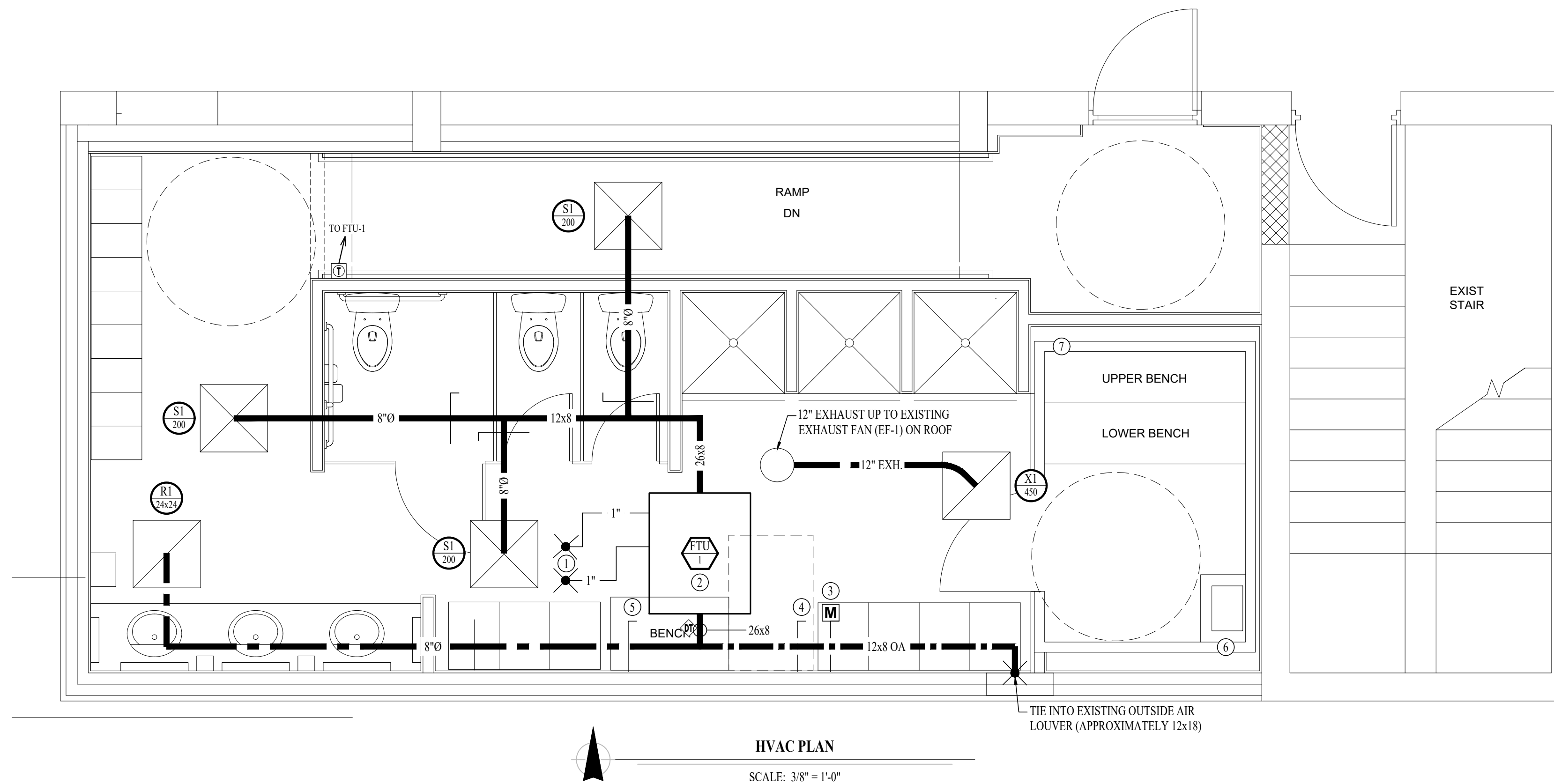
	EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
	EQUIPMENT REFERENCE NUMBER
	DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
	CUBIC FEET PER MINUTE (CFM) / FACE SIZE
	SUPPLY DUCTWORK
	RETURN DUCTWORK
	EXHAUST DUCTWORK
	OUTSIDE AIR DUCTWORK
	FLEX DUCT
	VENT / COMBUSTION AIR
	TIE INTO EXISTING
	SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
	RETURN DIFFUSER
	BALANCE DAMPER
	MOTORIZED DAMPER
	CEILING RADIATION DAMPER
	FIRE RATED DAMPER
	SMOKE DAMPER
	THERMOSTAT
	CO2 DETECTOR
	RETURN DUCT SMOKE DETECTOR WIRED TO FAN STARTER TO SHUT UNIT(S) DOWN AND SEND ALARM SIGNAL TO FIRE ALARM SYSTEM (IF PRESENT) OR TO REMOTE SOUNDER LOCATED IN AN OCCUPIED SPACE (EQUAL TO SYSTEM SENSOR #D4120)
	DUCT TEMPERATURE SENSOR WIRED TO BAS

HVAC PLAN GENERAL NOTES:

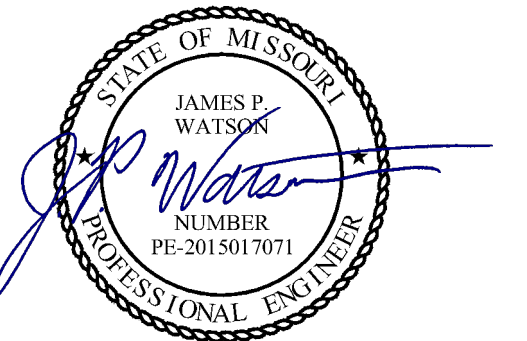
- SEE SHEET M-501 FOR ADDITIONAL HVAC NOTES, DETAIL, AND SCHEDULES.
- FAN TERMINAL UNIT (FTU) SHALL BE WIRED INTO EXISTING BAS.
- CONTROLS CONTRACTOR (JOHNSON CONTROLS CONTACT BOB WINKLEMAN) SHALL PROVIDE ALL CONTROL VALVES, SENSORS, WIRING, THERMOSTAT, & CONTROL BOARD AS NECESSARY TO INTERFACE WITH EXISTING HVAC CONTROLS.
- MECHANICAL CONTRACTOR SHALL INCLUDE CONTROL WORK IN THEIR SCOPE.
- ALL DUCTWORK IS ABOVE CEILING. CONTRACTOR SHALL MODIFY DUCT AS NECESSARY TO MOUNT DUCT ABOVE CEILING & AVOID EXISTING BUILDING COMPONENTS.

HVAC PLAN KEY NOTES:

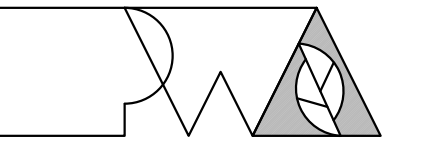
- TIE INTO EXISTING 1" HYDRONIC SUPPLY & RETURN THIS APPROXIMATE LOCATION.
- UNIT MOUNTED ABOVE CEILING. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- WIRE MOTORIZED OUTSIDE AIR DAMPER TO BAS. DAMPER SHALL OPEN WHEN EXHAUST FAN (EF-1) IS ON.
- BALANCE TO 450 CFM.
- BALANCE TO 150 CFM.
- PROVIDE 6x6 INLET VENT PER SAUNA MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE 6x6 OUTLET VENT PER SAUNA MANUFACTURER'S INSTALLATION INSTRUCTIONS.



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

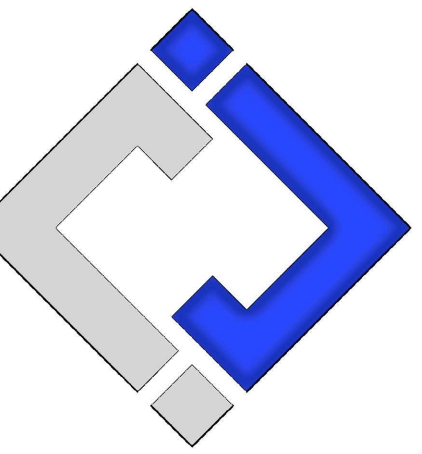


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SHEET TITLE:
HVAC PLAN

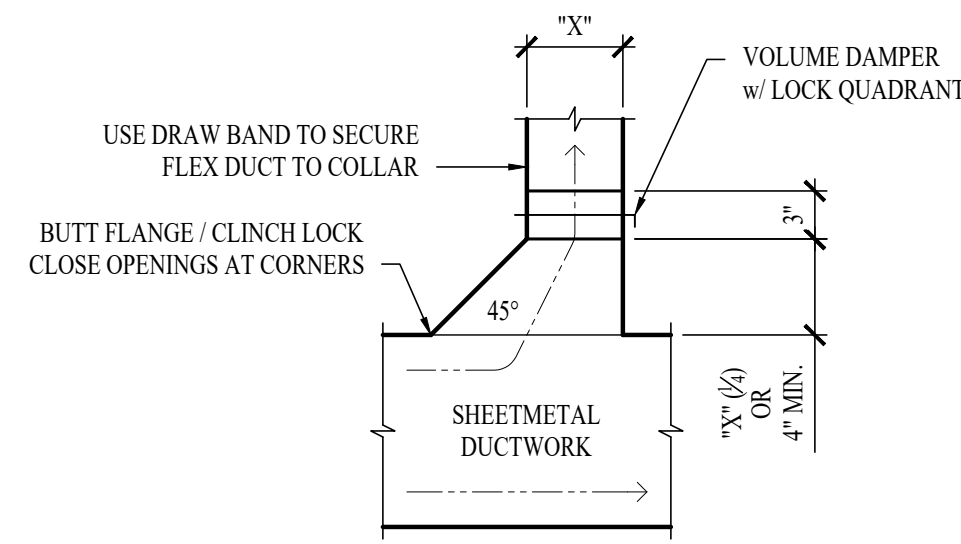
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M-101

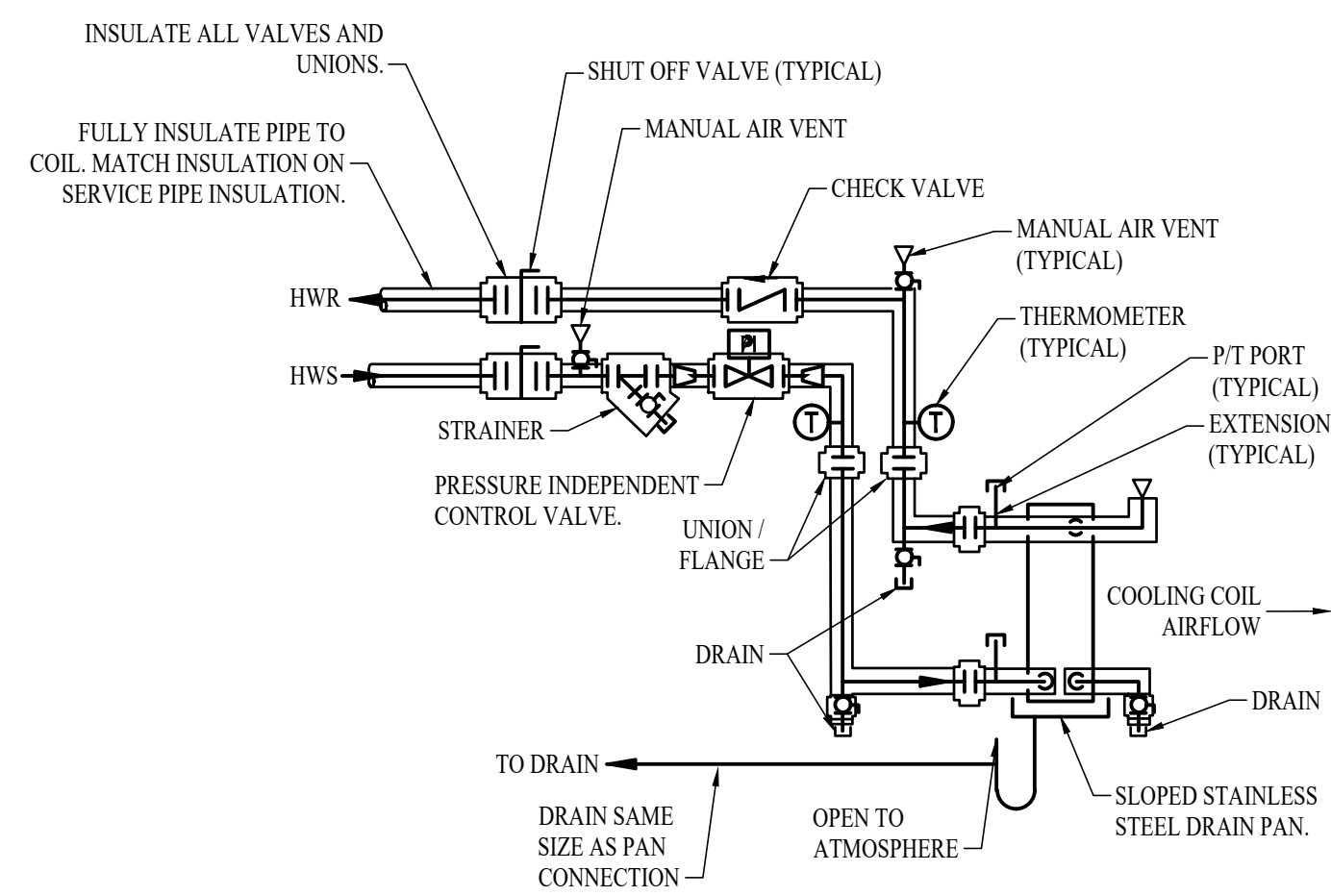
12 OF 17 SHEETS
09/17/2024 (BID)

HVAC SPECIFICATIONS

1. 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.
 - 2.2. 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".
 - 2.3. TURNING VANES TO BE PROVIDED AND INSTALLED AT ALL 90° BENDS AND TEES.
 - 2.4. DUCT DIMENSIONS LISTED ARE TO INTERIOR OF DUCT LINER.
 - 2.5. BALANCE DAMPERS MUST BE PROVIDED TO ALLOW ADJUSTMENT AT EACH AIR TERMINAL.
 - 2.5.1. WHERE BRANCH TAKEOFF IS ACCESSIBLE (ABOVE LAY-IN CEILING OR EXPOSED DUCT), THE BALANCE DAMPER IS TO BE INSTALLED AT TAKEOFF.
 - 2.5.2. WHERE TAKEOFF IS INACCESSIBLE (IN ATTIC OR SOFFIT), THE BALANCE DAMPER IS TO BE LOCATED SO IT IS ACCESSIBLE FROM FACE OF AIR DEVICE.
 - 2.6. HVAC CONTRACTOR RESPONSIBLE FOR ALL DUCTWORK TRANSITIONS AND FITTINGS AS REQUIRED FOR FINAL CONNECTIONS TO HVAC EQUIPMENT.
3. INSULATION
 - 3.1. DUCTWORK
 - 3.1.1. SEE "TYPICAL DUCT INSULATION DIAGRAM" FOR INSTALLATION SPECIFIC REQUIREMENTS.
 - 3.1.2. INTERNAL DUCT LINER TO BE EQUAL TO JOHNS MANVILLE LINACOUSTIC R-300.
 - 3.1.3. EXTERNAL DUCT WRAP TO INCLUDE VAPOR BARRIER. EQUAL TO JOHNS MANVILLE MICROLITE WITH FSK JACKET.
 - 3.2. CONDENSATE PIPING
 - 3.2.1. INSULATE WITH 1/2" ELASTOMERIC.
4. WORKMANSHIP
 - 4.1. COORDINATE WITH OTHER TRADES SO THAT HVAC EQUIPMENT AND DUCT WORK DOES NOT BLOCK REQUIRED ACCESS OR CLEARANCE TO EQUIPMENT.
 - 4.2. ALL HVAC EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
 - 4.3. ALL EQUIPMENT TO BE INSTALLED LEVEL AND PLUMB.
5. TESTING AND BALANCING
 - 5.1. THIRD PARTY CERTIFIED TEST AND BALANCE REQUIRED.



TYPICAL 45° TAKEOFF DETAIL



FAN TERMINAL UNIT CHILLED / HOT WATER COIL PIPING

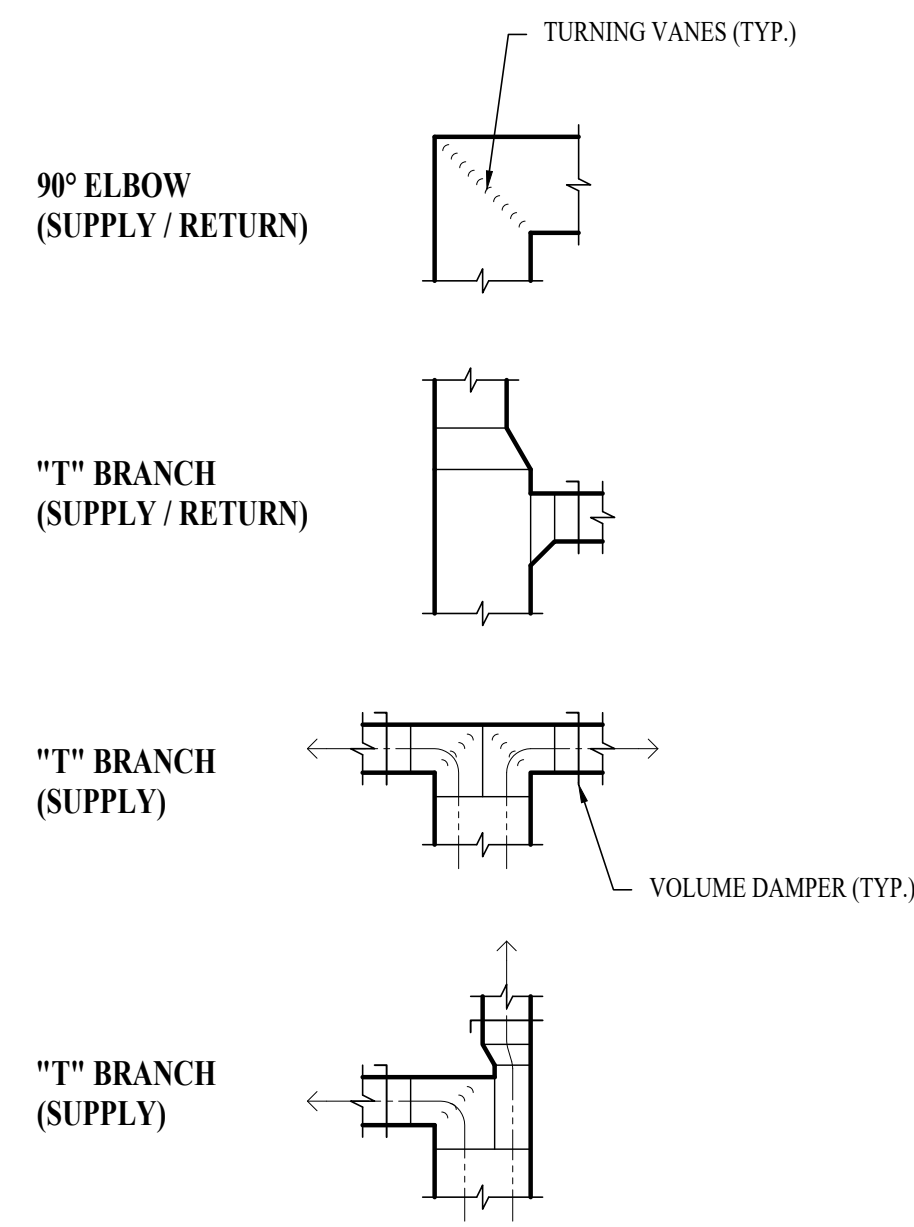
- ① FOR P/T PORT, USE PRESSURE TAP PROVIDED BY MANUFACTURER AT COIL IF AVAILABLE.
- ② INSTALL EXTENSION AT PRESSURE TAP SO P/T PORT IS AT LEVEL OF INSULATION.
- ③ INSTALL P/T PORT UPSTREAM AND DOWNSTREAM OF CONTROL VALVE IF PORTS NOT ON VALVE.
- ④ 1/2" THREADED HOSE CONNECTION AND CAP. THESE DRAINS ARE NOT REQUIRED IF A COIL DRAIN IS INSTALLED THAT IS LOWER THAN THE EXTERNAL PIPE TO THE COIL.
- ⑤ PROVIDE A MANUAL AIR VENT AT THE HIGH POINT BETWEEN THE COIL AND CHECK VALVE ON THE RETURN PIPING. 3/4" INCH THREADED HOSE CONNECTION AND CAP.
- ⑥ LOCATE SHUT-OFF VALVES, UNIONS AND FLANGES TO ALLOW CLEAR SPACE FOR REMOVAL OF COIL.
- ⑦ 1/2" INCH THREADED HOSE CONNECTION AND CAP. THIS DRAIN REQUIRED ONLY IF BOTTOM OF COIL IS LOWER THAN EXTERNAL PIPE CONNECTION TO COIL HEADER.
- ⑧ PROVIDE A MANUAL AIR VENT AT THE HIGH POINT BETWEEN THE SHUT OFF VALVE AND STRAINER ON THE SUPPLY PIPING. 3/4" INCH THREADED HOSE CONNECTION AND CAP.

MARK	MFR. & MODEL (Or Equal)	FAN TERMINAL UNIT SCHEDULE														REMARKS							
		FAN				COOLING PERFORMANCE											HEATING PERFORMANCE						
		CFM	TSP/ESP	HP/VOLTS/PHASE	COIL TYPE	MAX FACE VEL. (fpm)	APD (in. wc.)	TOTAL MBH	SEN. MBH	EAT °F DB/WB	LA T °F DB/WB	EWT °F DB/WB	LWT °F DB/WB	WATER ΔP (ft.)	FLOW (gpm)		MAX FACE VEL. (in. wc.)	APD (in. wc.)	CAPACITY MBH	EWT °F DB/WB	LWT °F DB/WB	WATER ΔP (ft.)	FLOW (gpm)
FTU-1	TRANE BCHE018	600	2.6 / 1.0	0.71 / 277 / 1	CHILLED / HOT WATER WITH AUTO CHANGE OVER	540	1.4	50.8	27.2	95 / 78	54	44	60	21.7	6.3	540	1.9	85.43	120	60	1.9	2.8	PROVIDED WITH VARIABLE SPEED ECM FAN AND WITHOUT UNIT CONTROLLER

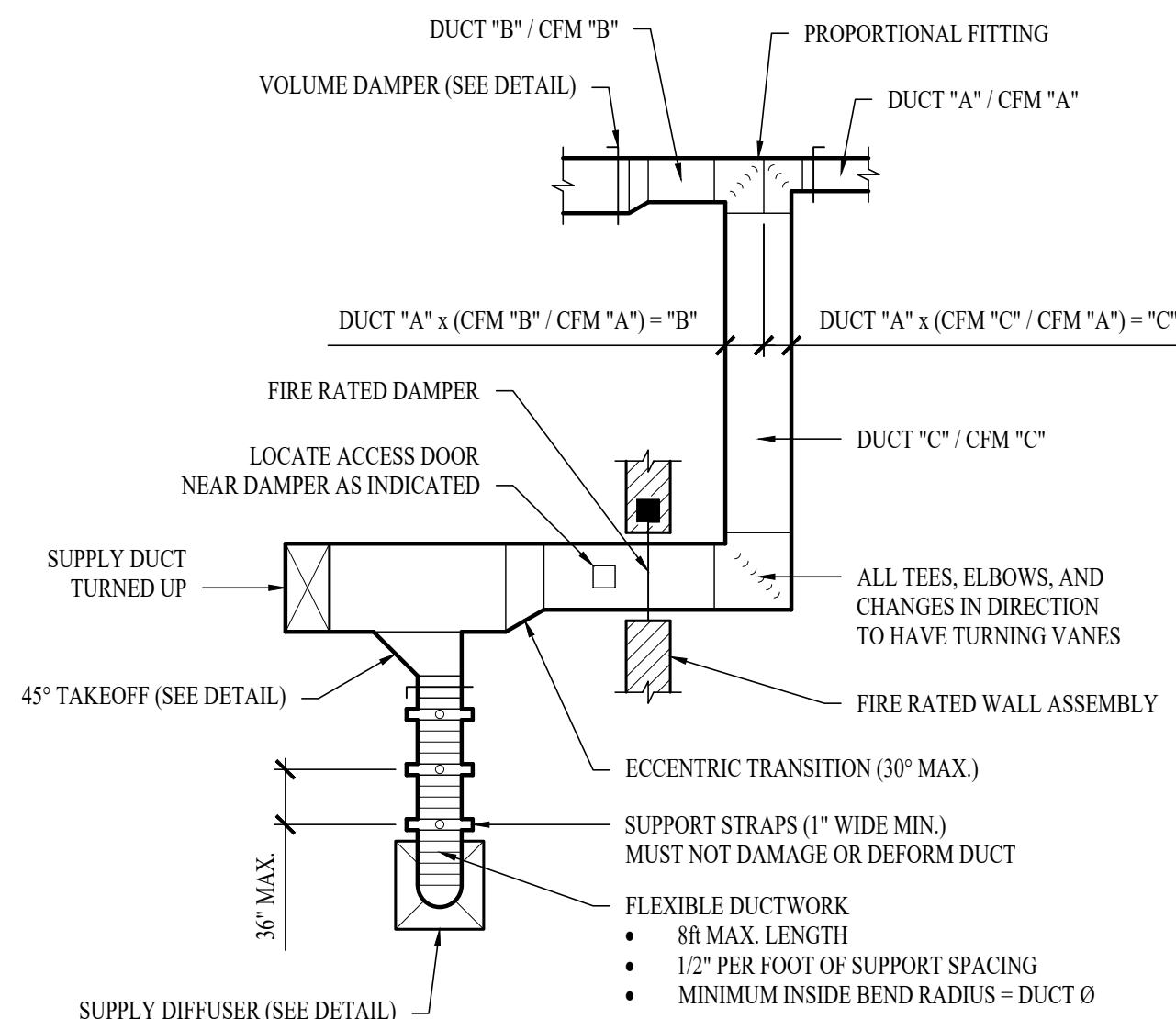
DIFFUSER NECK SIZING SCHEDULE	
AIRFLOW (CFM)	NECK SIZE (in)
0 - 120	6"
120 - 210	8"
210 - 325	10"
325 - 470	12"
470 - 640	14"

AIR DEVICE SCHEDULE						
TAG	SERVICE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	SIZE	COLOR / FINISH	NOTES
S1	SUPPLY	PRICE	SPD	24x24	WHITE	SEE PLANS FOR AIRFLOW
R1	RETURN	PRICE	80	AS INDICATED	WHITE	
X1	EXHAUST	PRICE	80	24x24	WHITE	

NOTES:
1. VERIFY AIR DEVICE FINISHES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION



TYPICAL DUCTWORK FITTINGS DETAIL



TYPICAL DUCTWORK DETAIL

1. FAN COIL UNIT (TYPICAL OF 1)

RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- OCCUPIED MODE: THE UNIT SHALL MAINTAIN
 - A 72°F (ADJ.) COOLING SETPOINT
 - A 74°F (ADJ.) HEATING SETPOINT.

- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
 - A 75°F (ADJ.) COOLING SETPOINT.
 - A 70°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

ZONE SETPOINT ADJUST:

THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR.

ZONE UNOCCUPIED OVERRIDE:

A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

FREEZE PROTECTION:

THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

FAN:

THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

COOLING COIL VALVE:

THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE COOLING / HEATING COIL VALVE TO MAINTAIN ITS SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS GREATER THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
- AND THE FAN IS ON.

THE HEATING COIL VALVE SHALL OPEN WHENEVER THE FREEZESTAT IS ON.

HEATING COIL VALVE:

THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
- AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.
- AND THE FAN IS ON.

THE HEATING COIL VALVE SHALL OPEN WHENEVER THE FREEZESTAT (IF PRESENT) IS ON.

MINIMUM OUTSIDE AIR VENTILATION - FIXED PERCENTAGE:

THE OUTSIDE AIR DAMPER SHALL MAINTAIN A MINIMUM POSITION (ADJ.) WHEN EF-1 IS ON.

DISCHARGE AIR TEMPERATURE:

THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

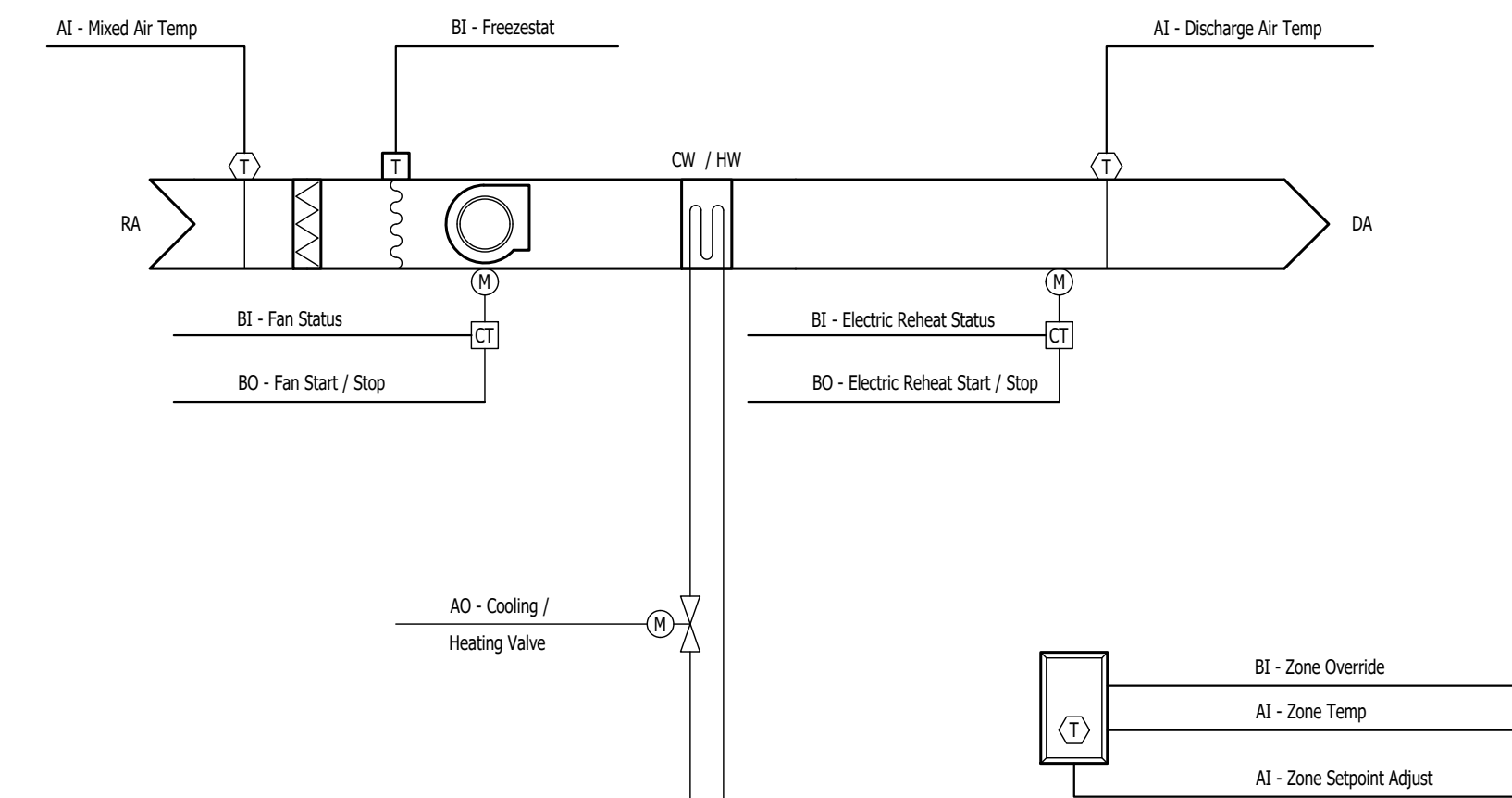
FAN STATUS:

THE CONTROLLER SHALL MONITOR THE FAN STATUS.

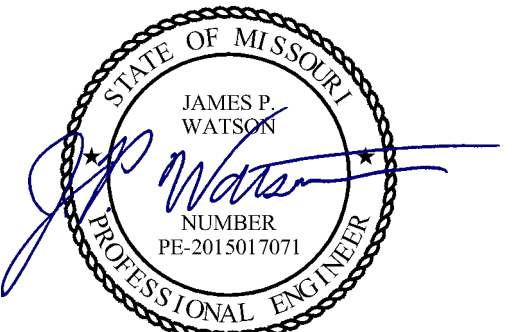
ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

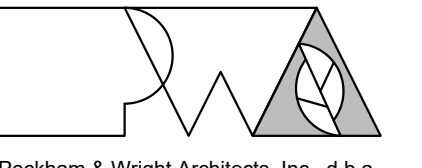
POINT NAME	POINTS LIST										SHOW ON GRAPHIC
	HARDWARE POINTS				SOFTWARE POINTS						
	AI	AO	BI	BO	AV	BV	LOOP	SCHEDULE	TREND	ALARM	
DISCHARGE AIR TEMP	X								X		X
ZONE SETPOINT ADJUST	X										X
ZONE TEMP	X								X		X
COOLING / HEATING VALVE		X							X		X
FAN STATUS			X								X
FREEZESTAT			X						X	X	X
ZONE OVERRIDE			X						X		X
FAN START / STOP				X					X		X
COOLING SETPOINT					X				X		X
HEATING SETPOINT					X				X		X
SCHEDULE							X				
FAN FAILURE										X	
FAN IN HAND										X	
FAN RUNTIME EXCEEDED										X	
HIGH DISCHARGE AIR TEMP										X	
HIGH ZONE TEMP										X	
LOW DISCHARGE AIR TEMP										X	
LOW ZONE TEMP										X	
MOTORIZED AIR DAMPER	X								X		X
MIXED AIR TEMP	X								X		X
ELECTRIC REHEAT STATUS			X								
ELECTRIC REHEAT START / STOP				X							
TOTALS	5	1	4	2	2	0	0	1	10	8	12
TOTAL HARDWARE	12										
TOTAL SOFTWARE											21



FAN TERMINAL UNIT SCHEMATIC

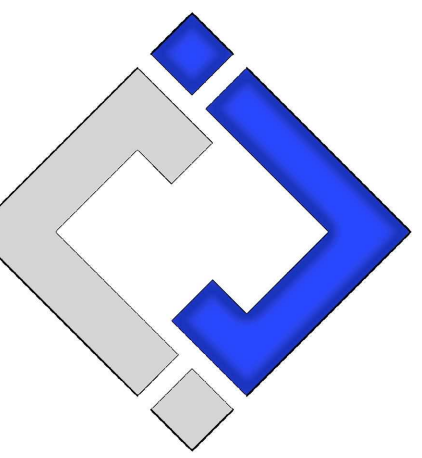


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RENOVATE WOMEN'S
LOCKER ROOM
ACADEMY PHYSICAL
TRAINING BUILDING

MSPH GENERAL HEAD-
QUARTERS COMPLEX
1510 E ELM ST
JEFFERSON CITY, MO

PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

REVISION: _____
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ISSUE DATE: 09/17/2024 (BID)

CAD DWG FILE: J21182
DRAWN BY: DET
CHECKED BY: JPW
DESIGNED BY: JAP

SHEET TITLE:
**HVAC DETAILS &
SCHEDULES**

SHEET NUMBER:

M-501

13 OF 17 SHEETS
09/17/2024 (BID)

POWER PLAN SYMBOL LEGEND

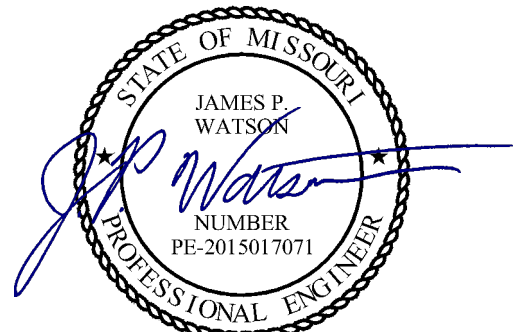
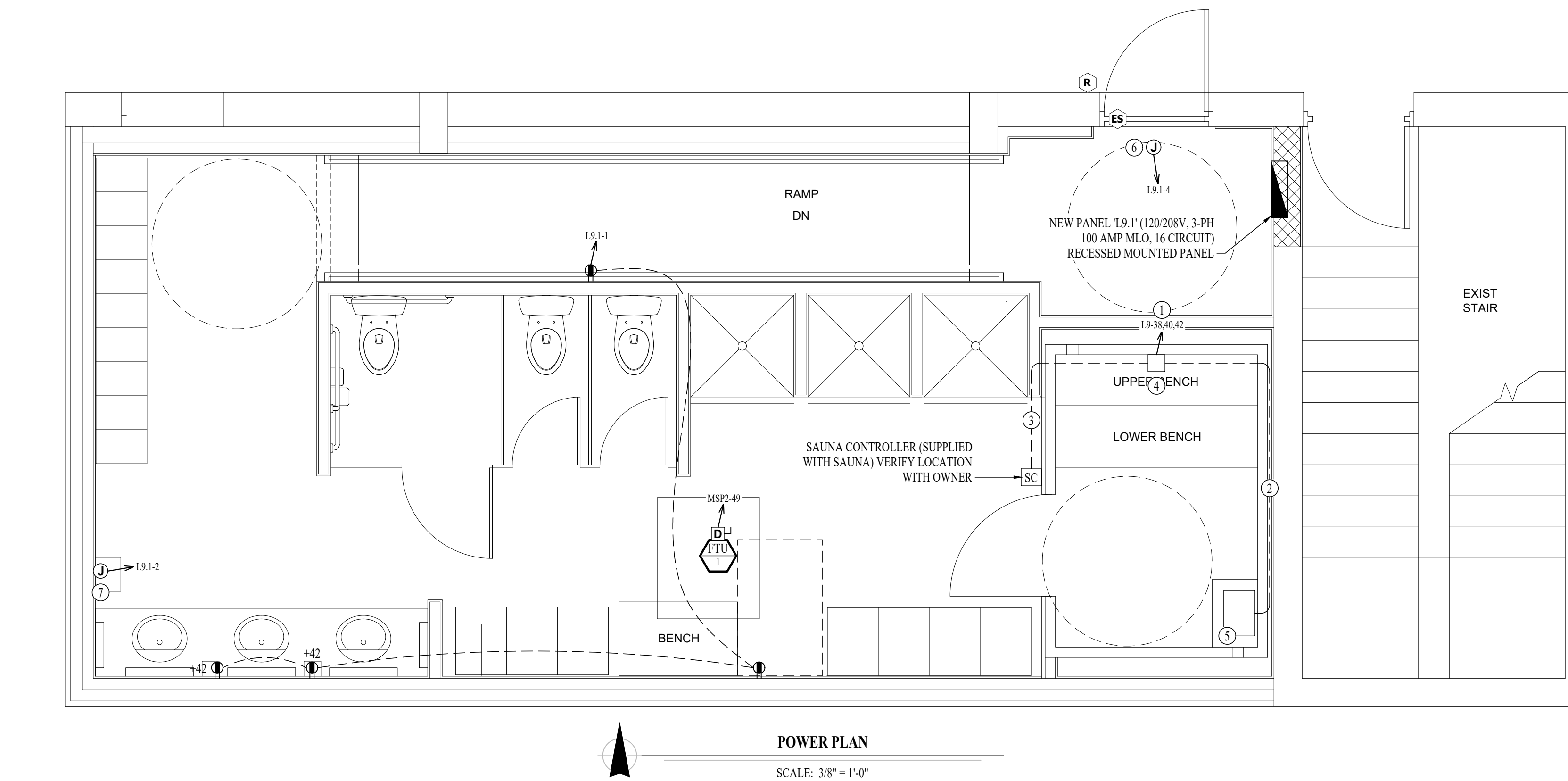
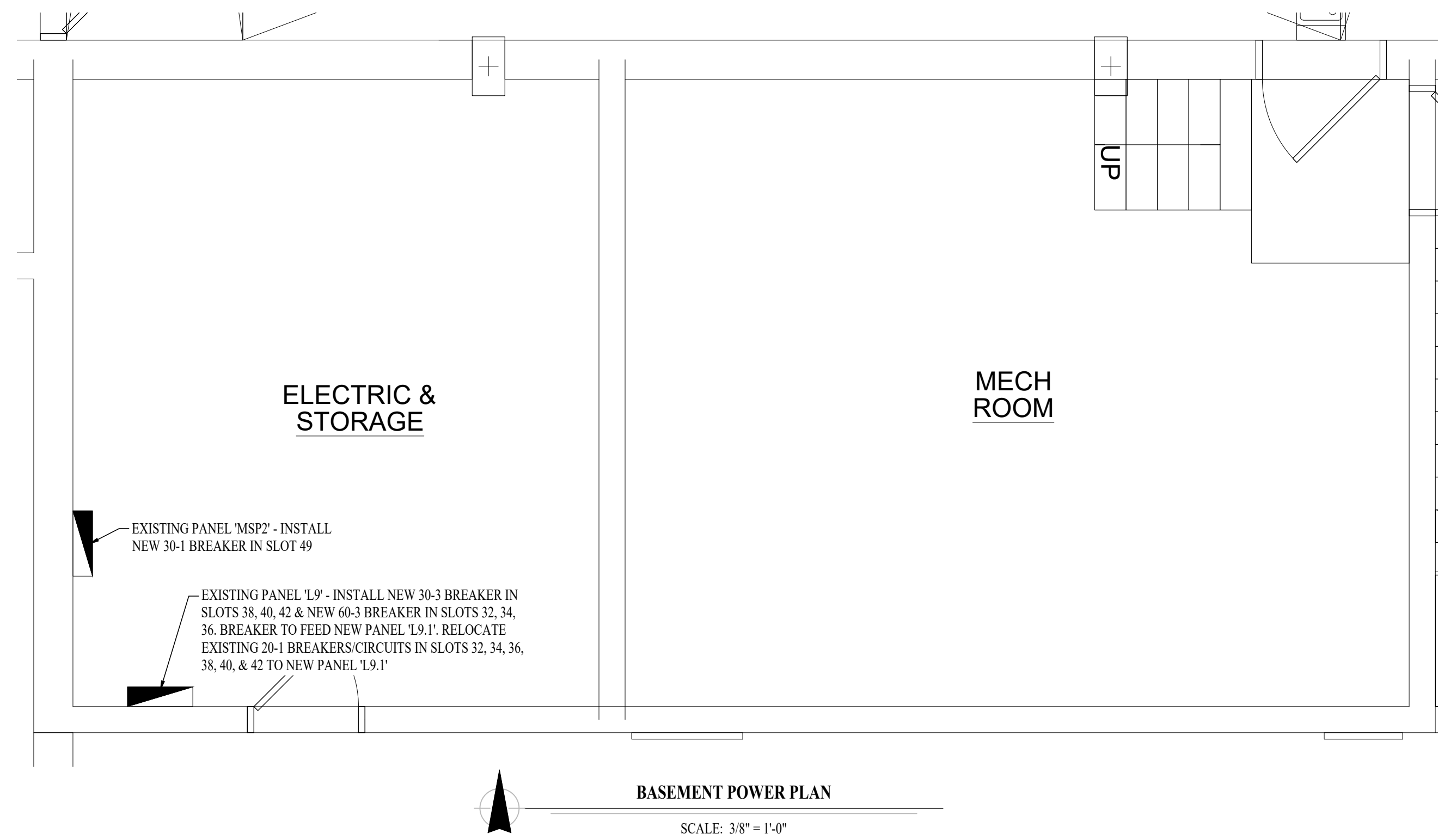
- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
- INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- "WP" = WEATHERPROOF OUTDOOR RECEPTACLE
- "AW" = ABOVE WINDOW RECEPTACLE
- "AC" = ABOVE CEILING RECEPTACLE
- "EX" = EXISTING RECEPTACLE TO REMAIN
- GFCI DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- DATA / PHONE JACK
- BOX WITH 1" CONDUIT & PULL STRING) UP TO CEILING SPACE (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- DISCONNECT
- FUSED DISCONNECT
- FUSED SWITCH
- STARTER / DISCONNECT
- TIE INTO EXISTING

POWER PLAN KEY NOTES:

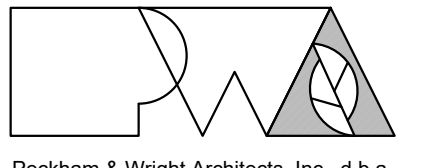
- ① POWER FOR SAUNA HEATER.
- ② POWER FROM CB BOX (SUPPLIED WITH SAUNA) TO HEATER. ROUTE CABLE BEHIND WALL OF SAUNA.
- ③ SAUNA CONTROL WIRING FROM SAUNA CONTROLLER TO CB BOX BELOW LOWER BENCH. ROUTE WIRING OUTSIDE OF SAUNA ROOM.
- ④ CB BOX LOCATED BELOW LOWER BENCH (PROVIDED & INSTALLED BY SAUNA INSTALLER).
- ⑤ SAUNA TEMPERATURE SENSOR MOUNTED 3" BELOW CEILING ABOVE HEATER. WIRING SHALL RUN FROM SENSOR TO CB BOX. WIRING SHALL BE ROUTED OUTSIDE OF SAUNA ROOM.
- ⑥ +BOX ABOVE LAY-IN CEILING FOR POWER TO CARD READER.
- ⑦ POWER FOR HAND DRYER.

SECURITY PLAN SYMBOL LEGEND

- READER
- ELECTRIC STRIKE

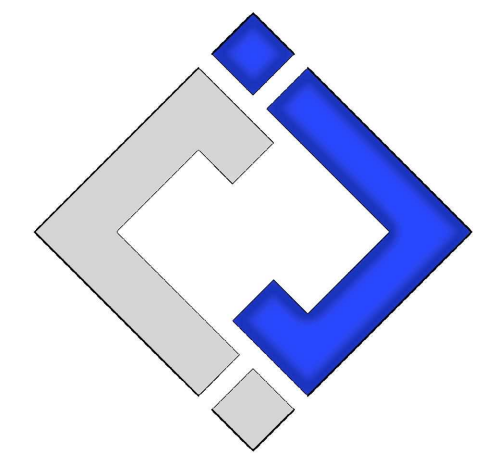


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CAD DWG FILE: J21182
DRAWN BY: DET
CHECKED BY: JPW
DESIGNED BY: JAP

SHEET TITLE:

POWER PLAN

SHEET NUMBER:

E-101

14 OF 17 SHEETS
09/17/2024 (BID)

LIGHTING PLAN SYMBOL LEGEND

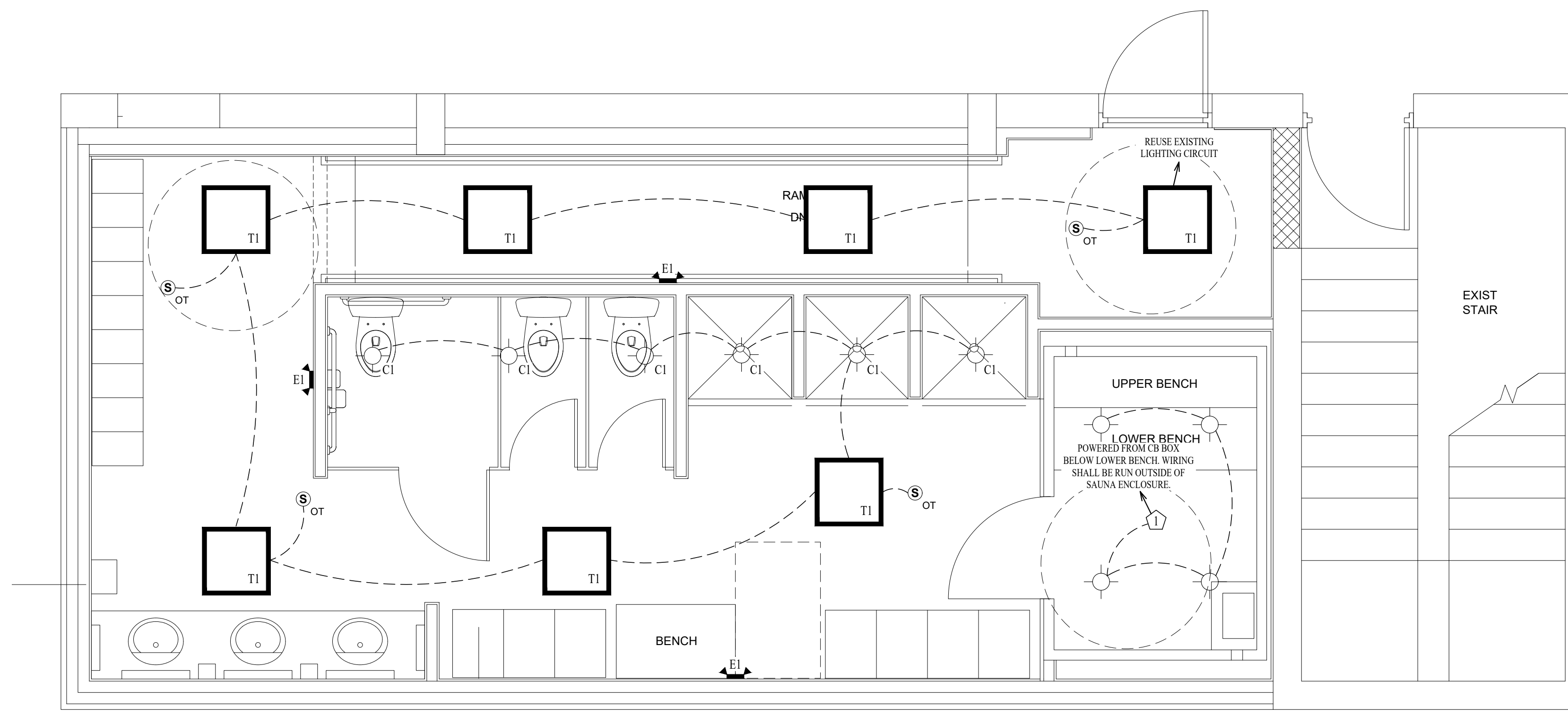
- XI ← "XI" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
LIGHTING FIXTURE
 - ← "EM" INDICATES EMERGENCY BATTERY BACKUP
EM
 - ← "NL" INDICATES UN-SWITCHED NIGHT LIGHT
NL
 - ⊙ ← EXIT LIGHT
 - ⊙ ← INDICATES REQUIRED REMOTE HEAD
 - ⊙ ← EMERGENCY EGRESS LIGHT
 - ⊙ ← SWITCH (WALL MOUNTED)
SWITCH TYPE:
• 3 = 3-WAY
• 4 = 4-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)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
 - ⊙ ← SWITCH (CEILING MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
 - PP ← 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:

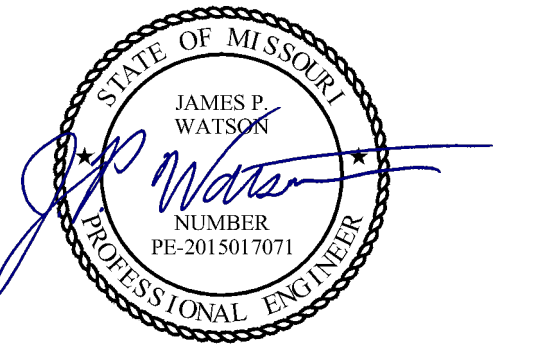
- I. OCCUPANCY / VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE AND INSTALL SENSOR WITH SPACING PER MANUFACTURER SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURER'S ACCEPTABLE MOUNTING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

LIGHTING PLAN KEY NOTES:

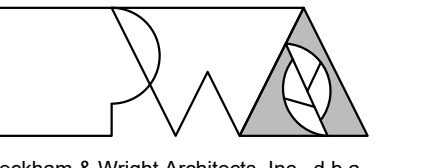
1. INSTALL LIGHTING KIT PROVIDED WITH SAUNA.



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

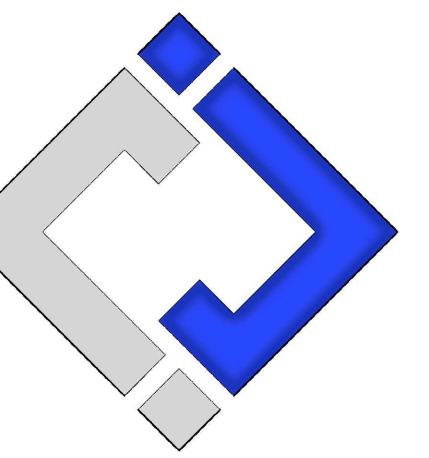


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 SITE # 6001
 ASSET # 8136001003

REVISION: _____
 DATE: _____
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 DATE: _____
 ISSUE DATE: 09/17/2024 (BID)

CAD DWG FILE: J21182
 DRAWN BY: DET
 CHECKED BY: JPW
 DESIGNED BY: JAP

SHEET TITLE:
LIGHTING PLAN

SHEET NUMBER:
E-102
 15 OF 17 SHEETS
 09/17/2024 (BID)

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.
2. MATERIALS
 - 2.1. CONDUIT & CONDUCTORS
 - 2.1.1. ALL CONDUCTORS SIZES INDICATED ON PLANS ARE COPPER UNLESS NOTED OTHERWISE.
 - 2.1.2. BELOW GRADE CONDUCTORS SHALL BE XHHW-2.
 - 2.1.3. 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.
 - 2.1.4. SCHEDULE 40 PVC CONDUIT SHALL BE USED FOR BELOW GRADE INSTALLATIONS

LIGHT FIXTURE SCHEDULE											
TAG	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	DESCRIPTION	MOUNTING	LUMEN OUTPUT	CCT (°K)	CRI	VOLTAGE	WATTS	DIMMING	NOTES
C1	HALO	SLD612-8-35-WH-UV	6" ROUND LED CAN	SURFACE	1200	3500	80	120	15	120V	
T1	METALLIX	22FP4235C	2x2 LED FLAT PANEL	ACT GRID / SURFACE	4641	3500	80	120	39	0-10V	

NOTES:

1. VERIFY LIGHT FIXTURE FINISHES WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES THROUGHOUT. COORDINATE EXACT MOUNTING DETAILS WITH GENERAL CONTRACTOR.

BRANCH CIRCUIT CONDUCTOR SCHEDULE						
AMPACITY	COPPER AWG SIZE	MAXIMUM DISTANCE (FEET)				MINIMUM CONDUIT SIZE
		1Ø	277V	208V	3Ø 480V	
20	12	55'	130'	115'	260'	1/2"
	10	90'	205'	180'	415'	3/4"
30	10	60'	135'	120'	275'	3/4"
	8	95'	220'	190'	445'	1"
35	8	80'	190'	165'	380'	1"
	6	130'	300'	260'	605'	1"
40	8	70'	165'	145'	330'	1"
	6	110'	260'	225'	525'	1"
45	6	100'	235'	200'	470'	1"
	4	160'	370'	325'	750'	1-1/4"
50	6	90'	210'	180'	420'	1-1/4"
	4	145'	335'	290'	675'	1-1/4"
60	6	75'	175'	150'	350'	1-1/4"
	4	120'	280'	240'	560'	1-1/4"
70	4	105'	240'	205'	480'	1-1/4"
	3	130'	300'	260'	605'	1-1/4"
80	4	55'	210'	180'	420'	1-1/4"
	3	90'	260'	230'	530'	1-1/4"
90	3	100'	235'	200'	470'	1-1/4"
	2	125'	295'	255'	595'	1-1/4"
100	3	90'	210'	180'	420'	1-1/4"
	2	115'	265'	230'	535'	1-1/4"

NOTES:

1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. ALL WIRE SIZES SHOWN ARE BASED ON CONDUCTOR TEMPERATURE RATING OF 75°C & AMBIENT TEMPERATURE OF 30°C PER NEC.
2. DISTANCE SHOWN ABOVE IS LENGTH FROM OVERCURRENT PROTECTION TO DEVICE/EQUIPMENT.
3. REFER TO PLAN SHEETS FOR BRANCH CONDUCTOR SIZING LENGTHS GREATER THAN SHOWN ABOVE.
4. VOLTAGE DROP CALCULATIONS BASED ON 3% DROP, 80% CIRCUIT LOAD, THHN/THWN INSULATION, 100% POWER FACTOR, BALANCED LOAD, NEGLIGIBLE REACTANCE, & SIX OR LESS CURRENT-CARRYING CONDUCTORS IN RACEWAY.

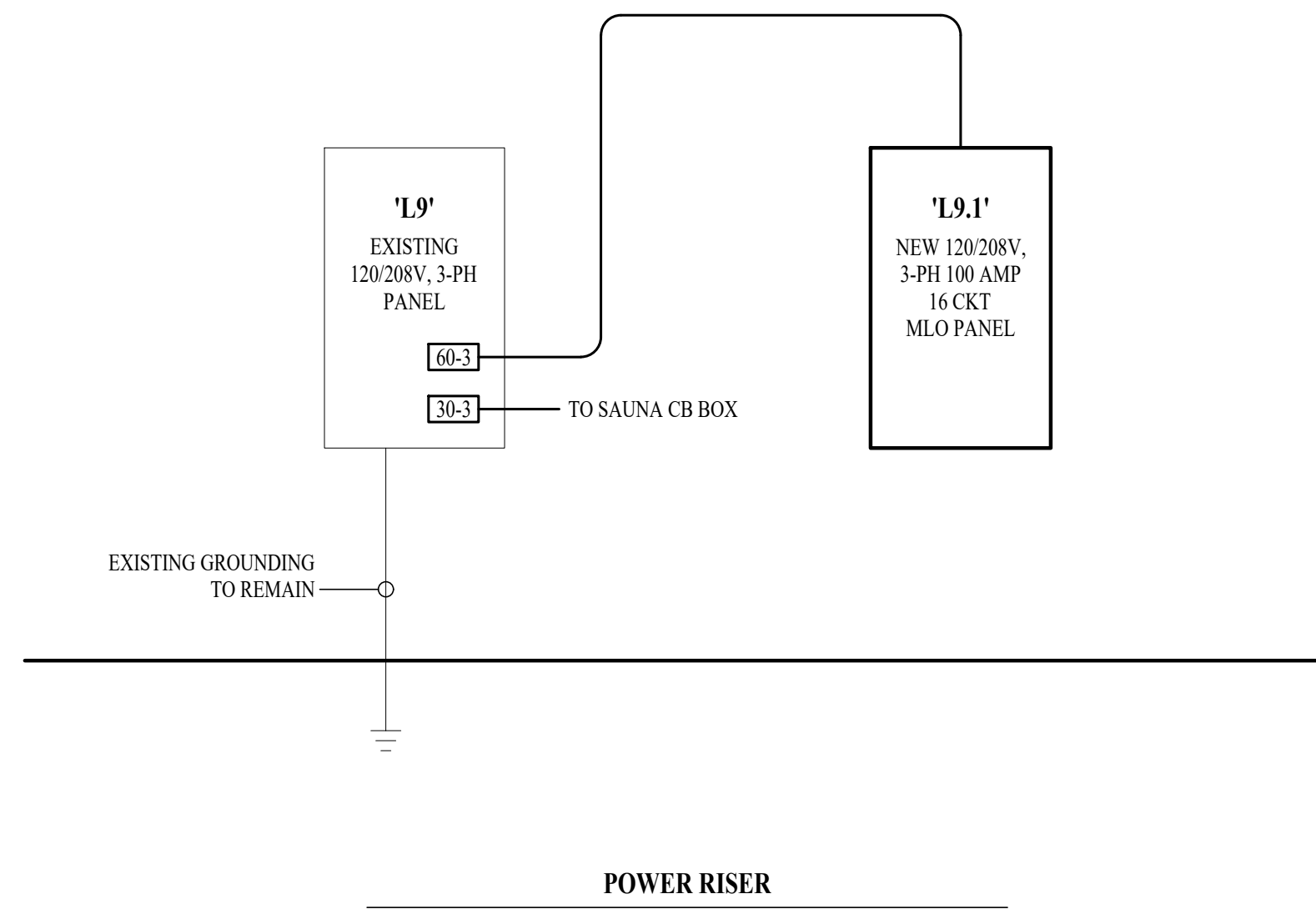
PANEL 'L9.1' SCHEDULE											
PANEL SPECIFICATIONS								TOTAL CONNECTED LOAD			
VOLTAGE: 120/208V 3-PH				NEMA RATING: 1				PHASE "A" LOAD: 16 AMPS			
AMPACITY: 100A MLO				PANEL MOUNTING: SURFACE				PHASE "B" LOAD: 1 AMPS			
AIC-RATING: 22KA								PHASE "C" LOAD: 0 AMPS			
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER			
1	BATHROOM RECEP.TS.	20-1	6	A	10	20-1	HAND DRYER	2			
3	RELOCATED CIRCUIT L9-32	20-1		B	1	20-1	CARD READER	4			
5	RELOCATED CIRCUIT L9-34	20-1		C		20-1	SPARE	6			
7	RELOCATED CIRCUIT L9-36	20-1		A		20-1	SPARE	8			
9	RELOCATED CIRCUIT L9-38	20-1		B		20-1	SPARE	10			
11	RELOCATED CIRCUIT L9-40	20-1		C				12			
13	RELOCATED CIRCUIT L9-42	20-1		A				14			
15				B				16			

NOTES:

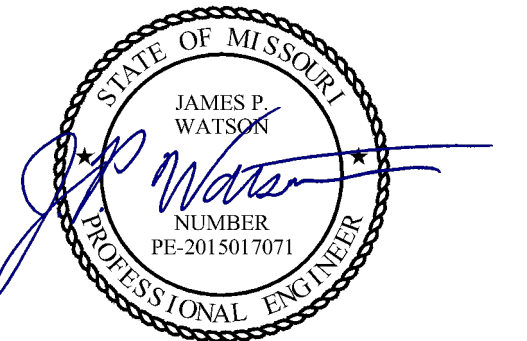
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"

B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.

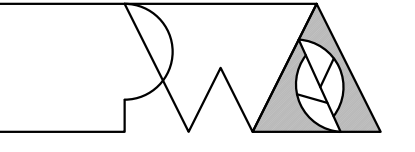
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

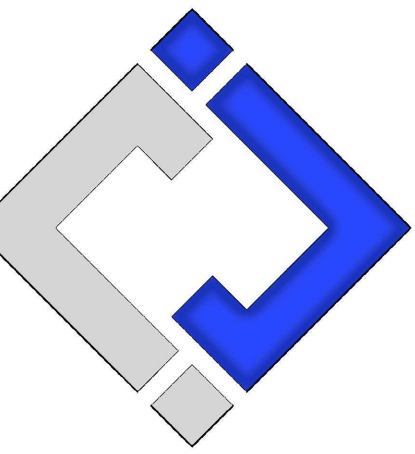


James Watson, P.E. September 17, 2024
PE-2015017071
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RENOVATE WOMEN'S
LOCKER ROOM
ACADEMY PHYSICAL
TRAINING BUILDING

MSHP GENERAL HEAD-
QUARTERS COMPLEX
1510 E ELM ST
JEFFERSON CITY, MO

PROJECT # R2402-01
SITE # 6001
ASSET # 8136001003

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**ELECTRICAL
DETAILS &
SCHEDULES**

SHEET NUMBER:

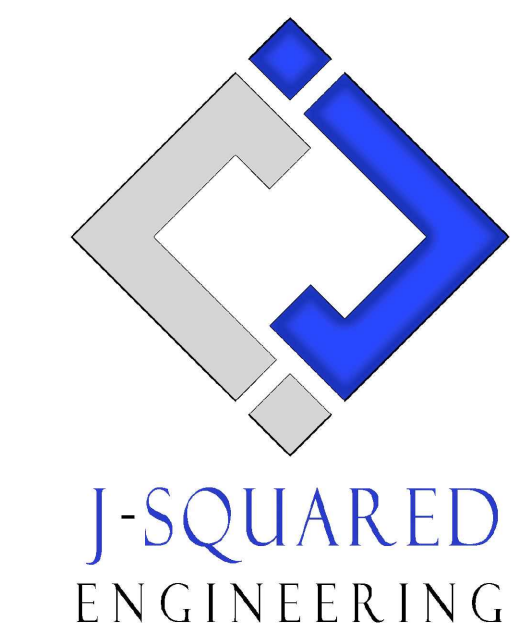
E-501

16 OF 17 SHEETS
09/17/2024 (BID)



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PLUMBING
PLANS

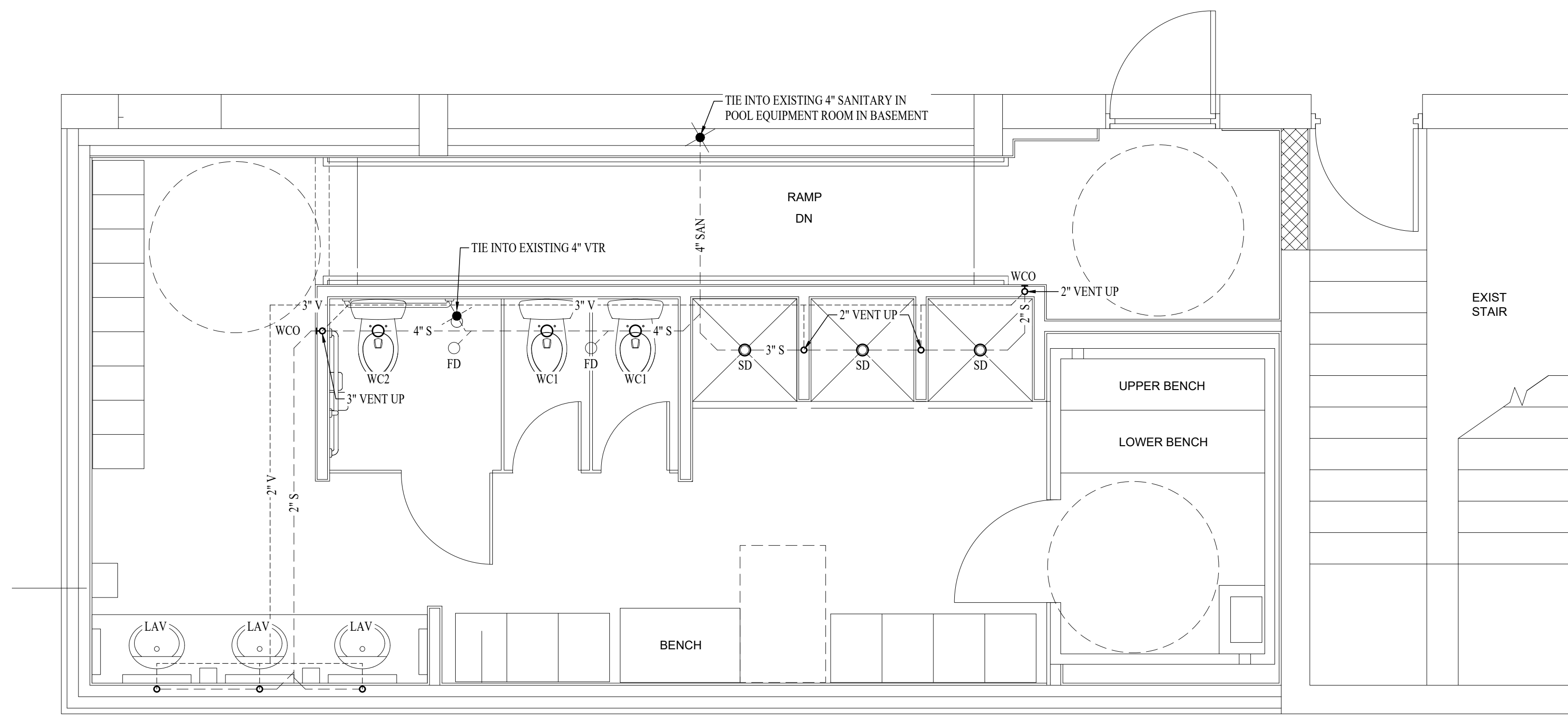
SHEET NUMBER:

P-101

17 OF 17 SHEETS
09/17/2024 (BID)

SANITARY SEWER PLAN SYMBOL LEGEND

- SANITARY SEWER PIPING
- - - VENT PIPING
- > PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING



SANITARY SEWER PLAN
SCALE: 3/8" = 1'-0"

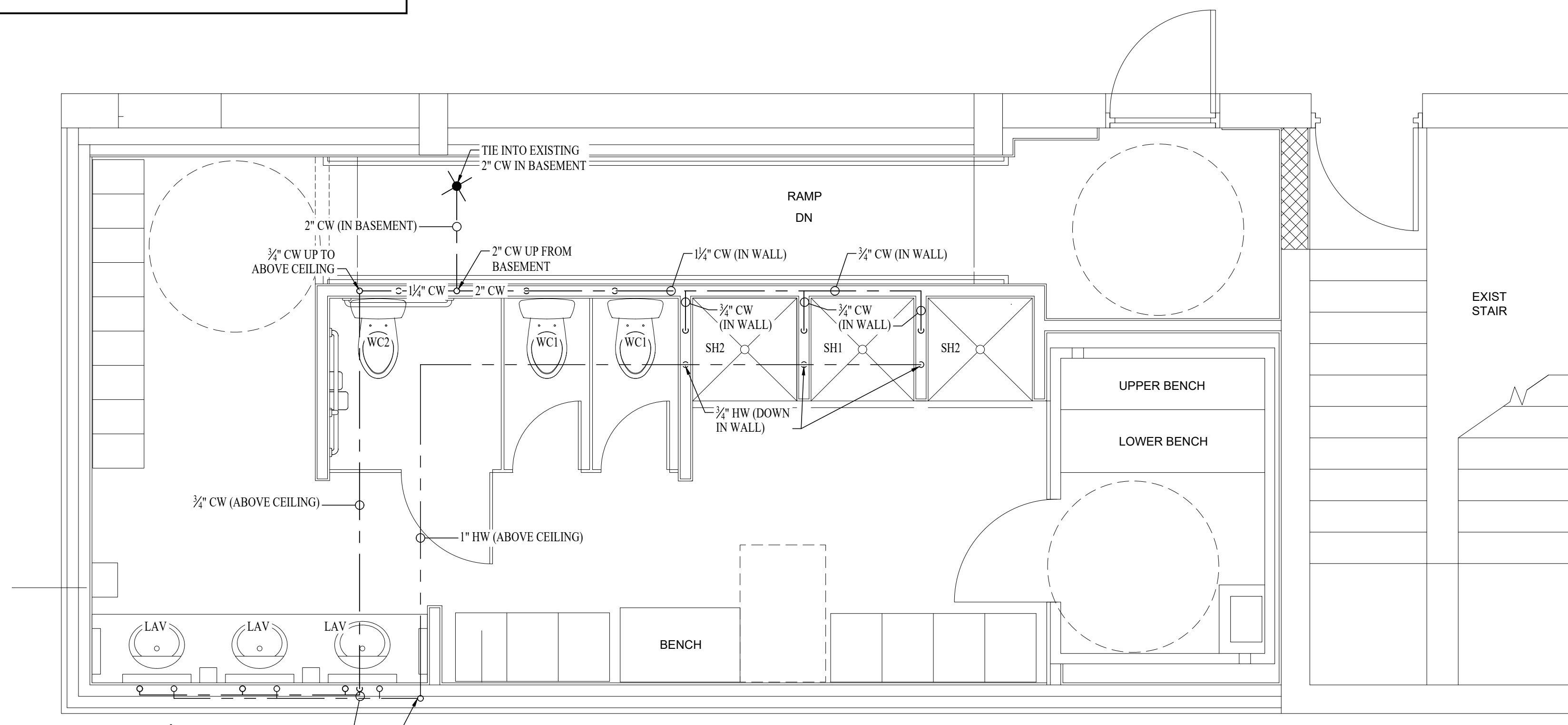
PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	NOTES
FD	FLOOR DRAIN	ZURN	Z415-BZ	WITH Z1072 TRAP SEAL
LAV	LAVATORY (DROP-IN W/ MANUAL FAUCET)	AMERICAN STANDARD	0475.028	WITH ZURN Z81104-XL FAUCET, 1/4 TURN STOPS, AND BRAIDED STAINLESS STEEL SUPPLIES
SD	SHOWER DRAIN	JAY R. SMITH	2005YA03PB	
SH1	SHOWER SYSTEM - ADA	MOEN	T9342EP15	WITH #8317HD CARTRIDGE & #3360 3-FUNCTION TRANSFER VALVE
SH2	SHOWER SYSTEM - STANDARD	MOEN	T9375EP15	WITH #8371HD CARTRIDGE
WC1	WATER CLOSET - STANDARD HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	2234.001	WITH ZURN Z6000AV-WS1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AND CHURCH 9500SSCT SELF SUSTAINING SEAT
WC2	WATER CLOSET - ADA HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	3043.001	WITH ZURN Z6000AV-WS1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AND CHURCH 9500SSCT SELF SUSTAINING SEAT
WCO	WALL CLEAN OUT	-	-	-

- NOTES:
1. VERIFY NECESSARY FIXTURES MEET ADA REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
 2. VERIFY FIXTURE FINISHES WITH OWNER / ARCHITECT.

WATER PLAN SYMBOL LEGEND

- COLD WATER LINE
- HOT WATER LINE
- HOT WATER RECIRCULATION LINE
- Ⓜ WATER METER
- ✕ VALVE
- PUMP
- > PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING



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