

FESTUS READINESS CENTER

Repairs to Interior/Exterior Readiness Center and Unheated Storage Buildings (Festus, Missouri)

OWNER: STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

DEPARTMENT OF
MISSOURI NATIONAL GUARD

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

DESIGNER: JEMA ARCHITECTS

PROJECT NUMBER: T2330-01

SITE NUMBER: 6302
FACILITY NUMBER: 56377

DRAWING INDEX

A map of the area around Festus Church of the Nazarene. The church is marked with a blue pin. Other points of interest include Bone Heating and Cooling (blue pin), and the National Guard Recruiter (red dot). Roads shown include W Main St, Highway 24A, Highway 2, and Highway 100. Water features include Little Creek, Big Creek, and Harrison Lake Rd. The map also shows a river and a bridge.

PROJECT LOCATION

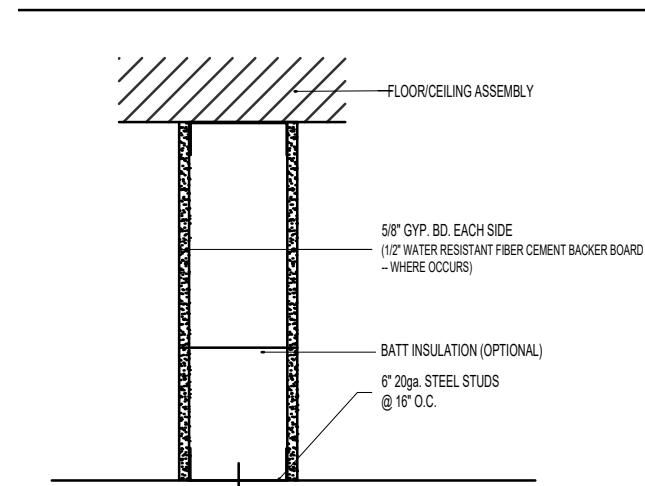
n.t.s.

M-1	MECH. HVAC PLAN
M-ALT	MECH. HVAC PLAN ALTERNATE
P-1	PLUMBING SANITARY PLAN
P-2	PLUMBING DOMESTIC WATER PLAN
P-3	PLUMBING SANITARY ISOMETRIC VIEW, DETAILS & FIXTURE SCHEDULE
E-1	FIRST FLOOR RESTROOM ELECTRICAL PLAN
E-2	ONE-LINE DIAGRAM & SPECIFICATIONS

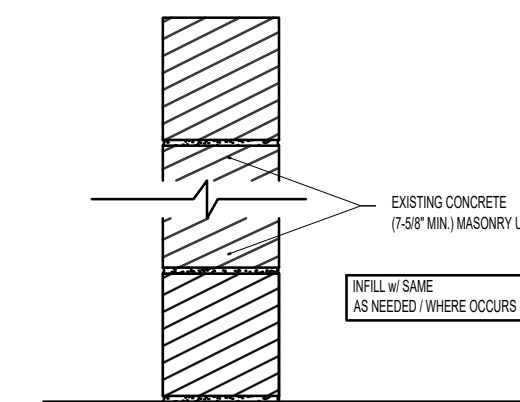
[illegible]

t. 508.4 REQUIRED SEPARATE OF OCCUPANCIES: B / S-1 = N = NO SEPARATION REQUIREMENT OK

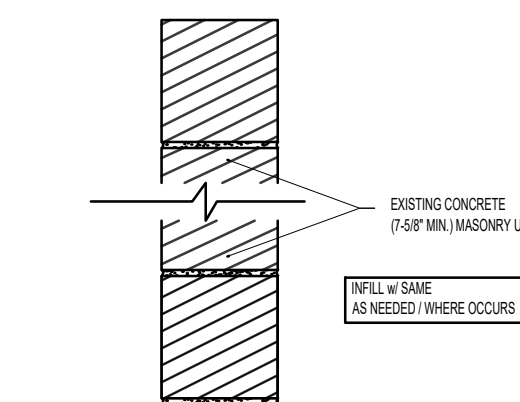
4. **ALTERNATE #4:**
 BASE BID: ALL VCT FLOORING TO REMAIN.
 ALTERNATE: VCT FLOORING REMOVAL AND REPLACEMENT AS INDICATED ON DRAWINGS A-FP-03 AND A-FP-04.



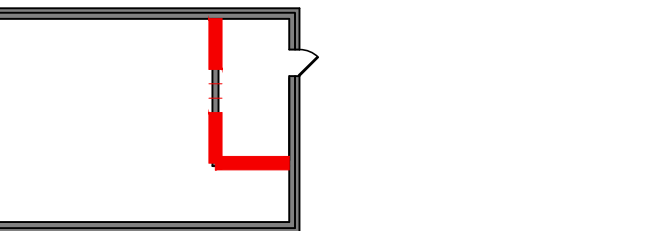
PI	NON-RATED INTERIOR PARTITION
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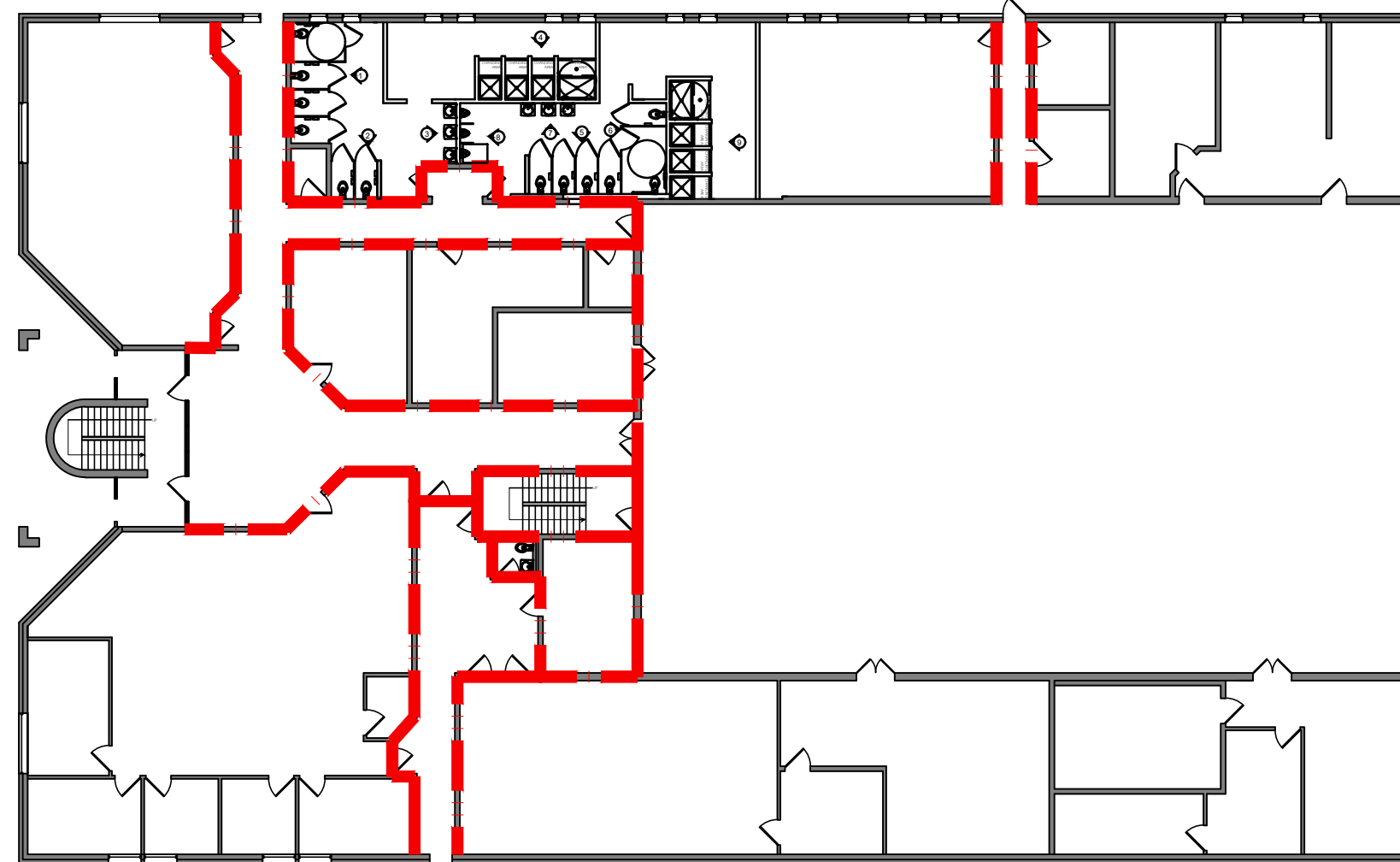
P2	1-HR-RATED INTERIOR PARTITION 15/01/01 - 15/01/01 - 15/01/01 - 15/01/01
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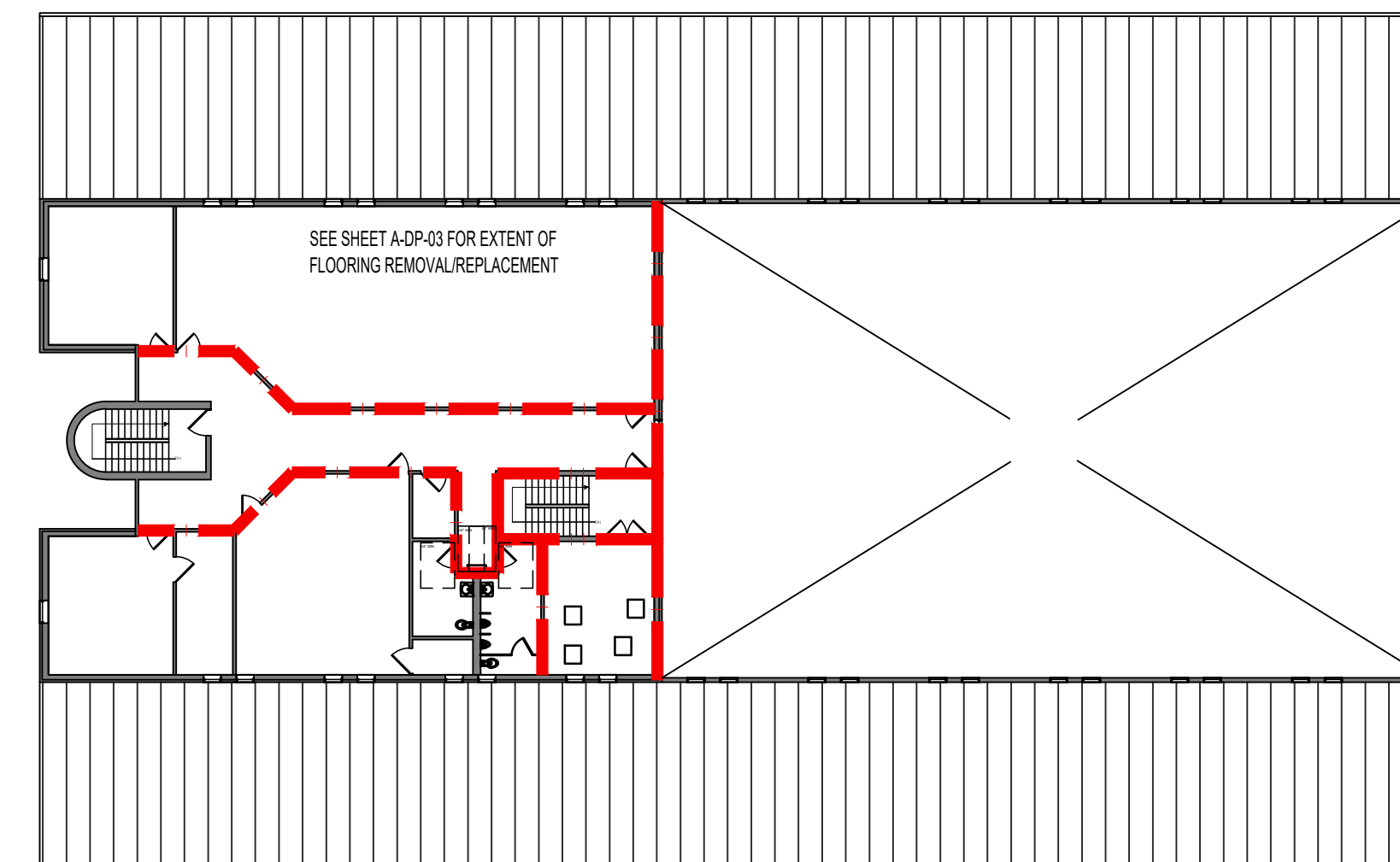
P2A	NON-RATED INTERIOR PARTITION
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 n.t.s.



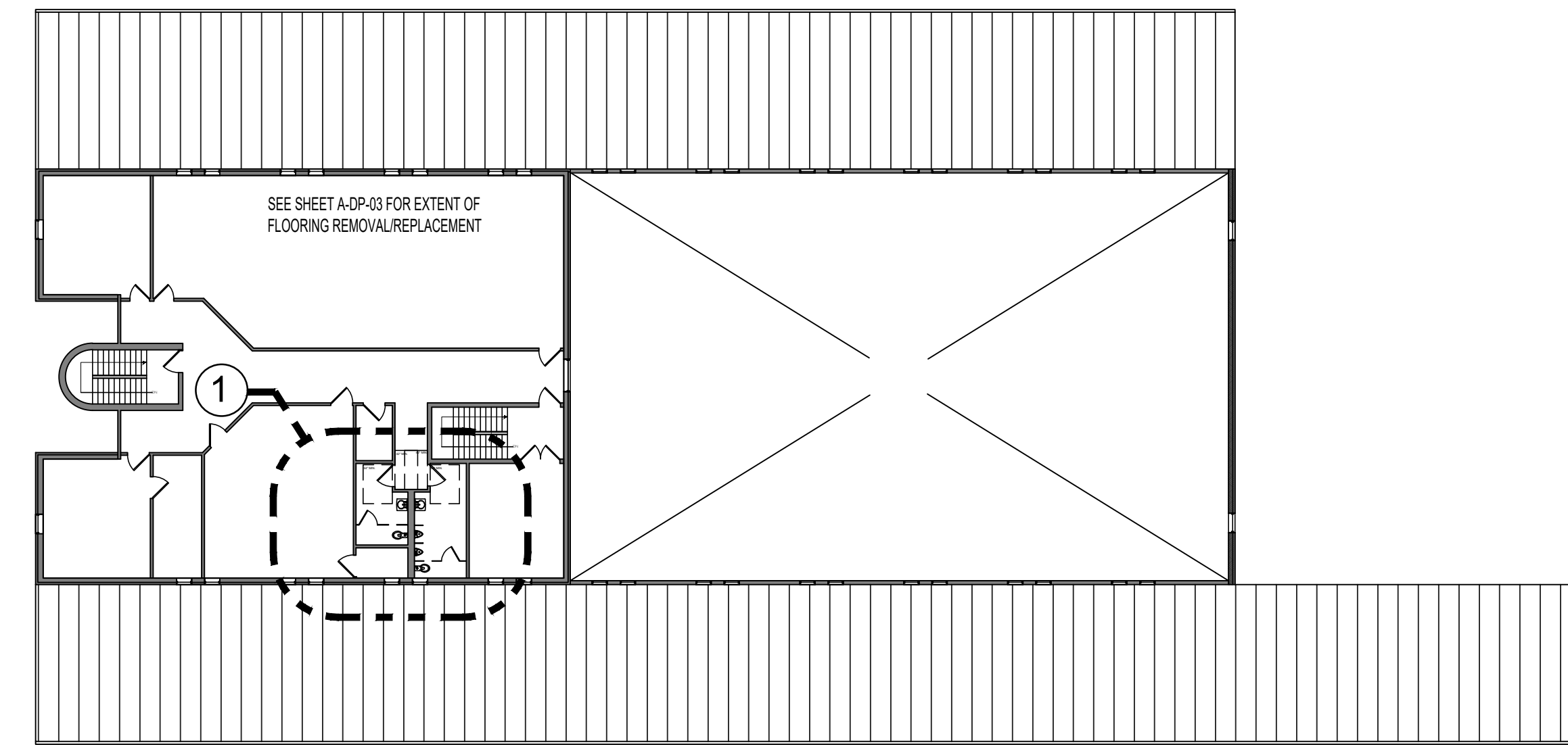
 n.t.s.

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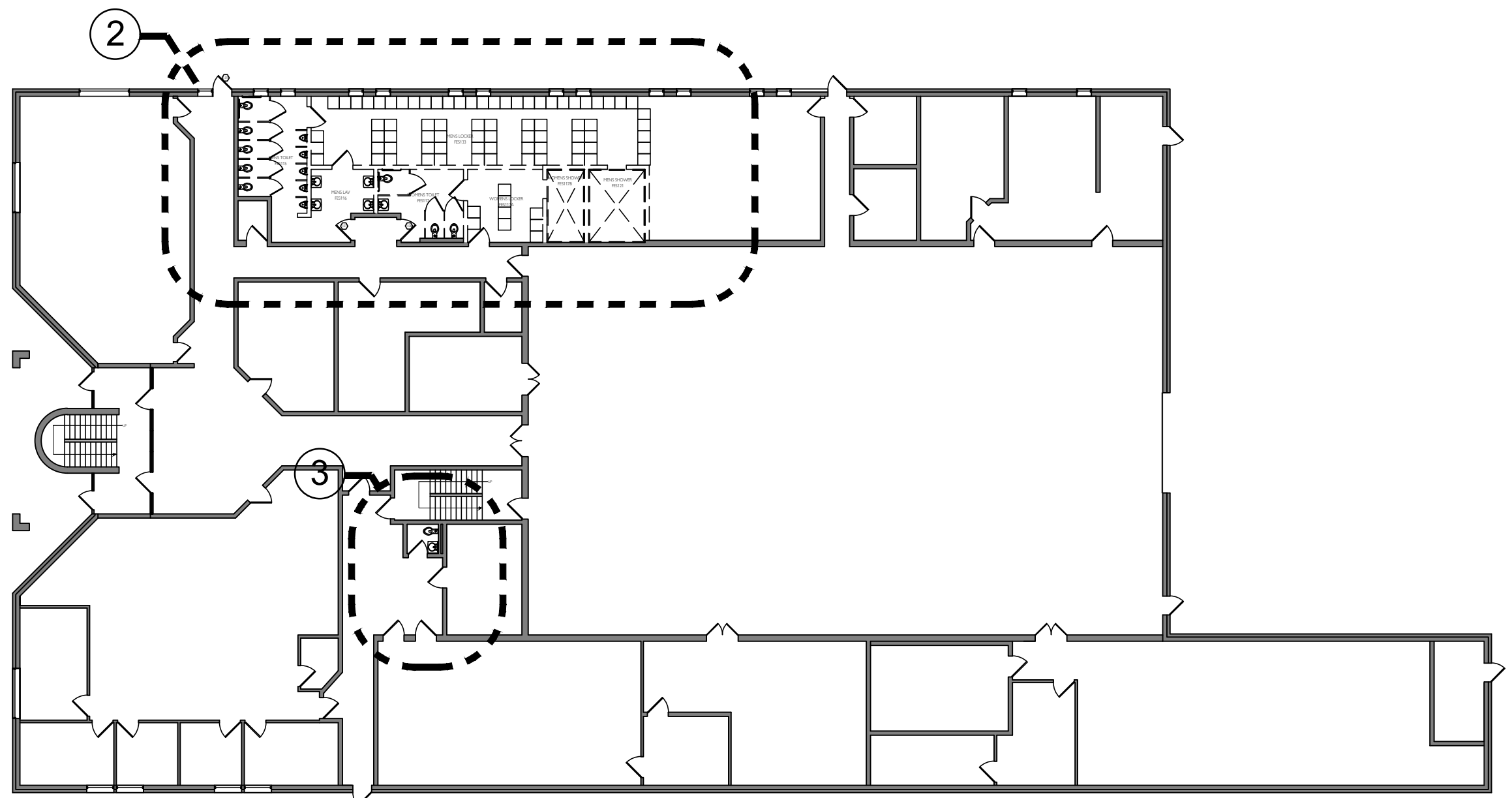
===== EXISTING NON-RATED PARTITION

A circular professional seal for the State of Missouri. The outer ring contains the text "STATE OF MISSOURI" at the top and "ARCHITECT" at the bottom, separated by two stars. The inner circle contains the text "JOHN EDWARD MUELLER" and "NUMBER A-2010039774". A signature is written across the center of the seal.

2 OF 19 SHEETS



2nd FLOOR REFERENCE PLAN
SCALE: 1/16" = 1'-0" (24x36)



1st FLOOR REFERENCE PLAN
SCALE: 1/16" = 1'-0" (24x36)

FLOOR PLAN LEGEND

NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE

EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00

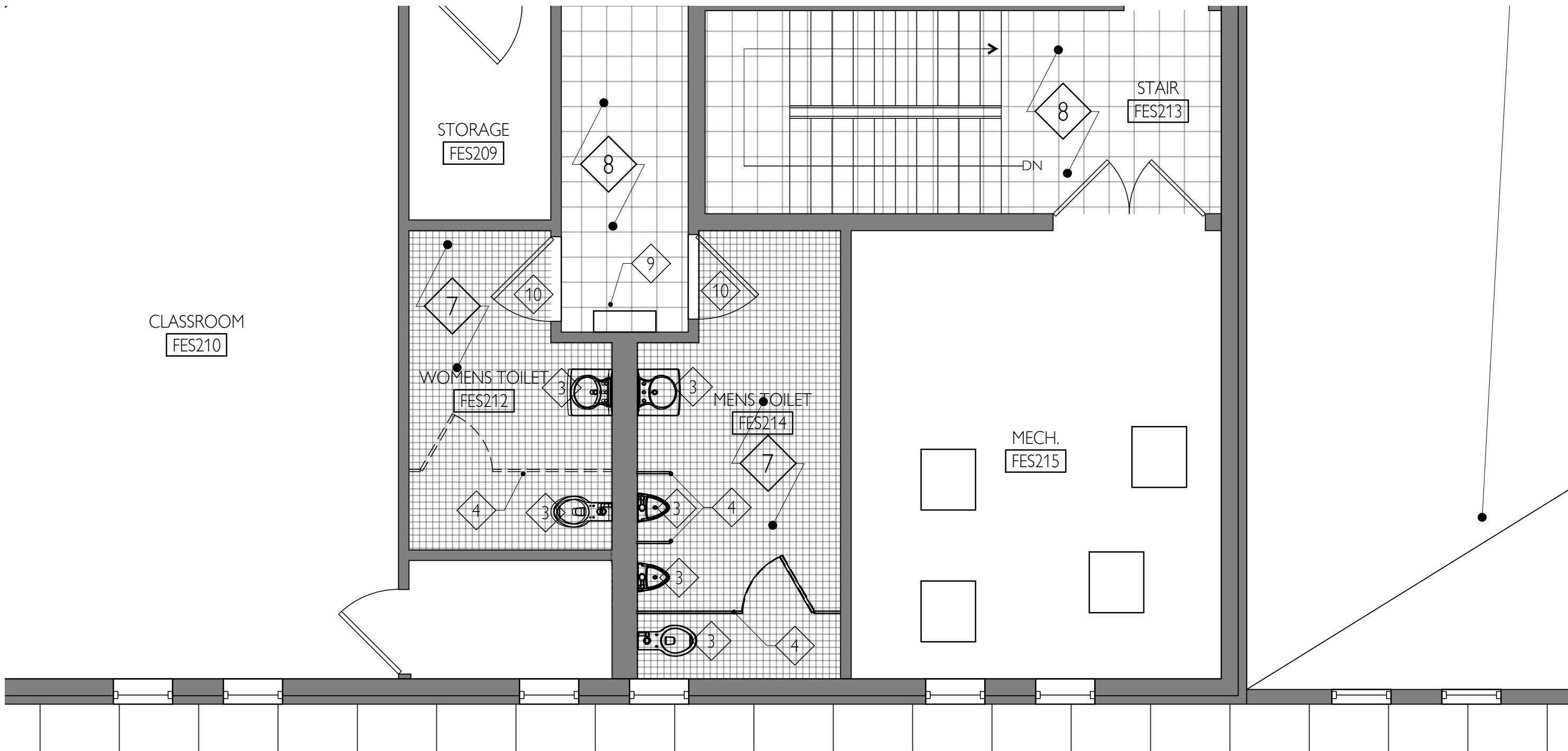
----- EXISTING PARTITION TO BE REMOVED

SHADED AREAS INDICATE NO WORK

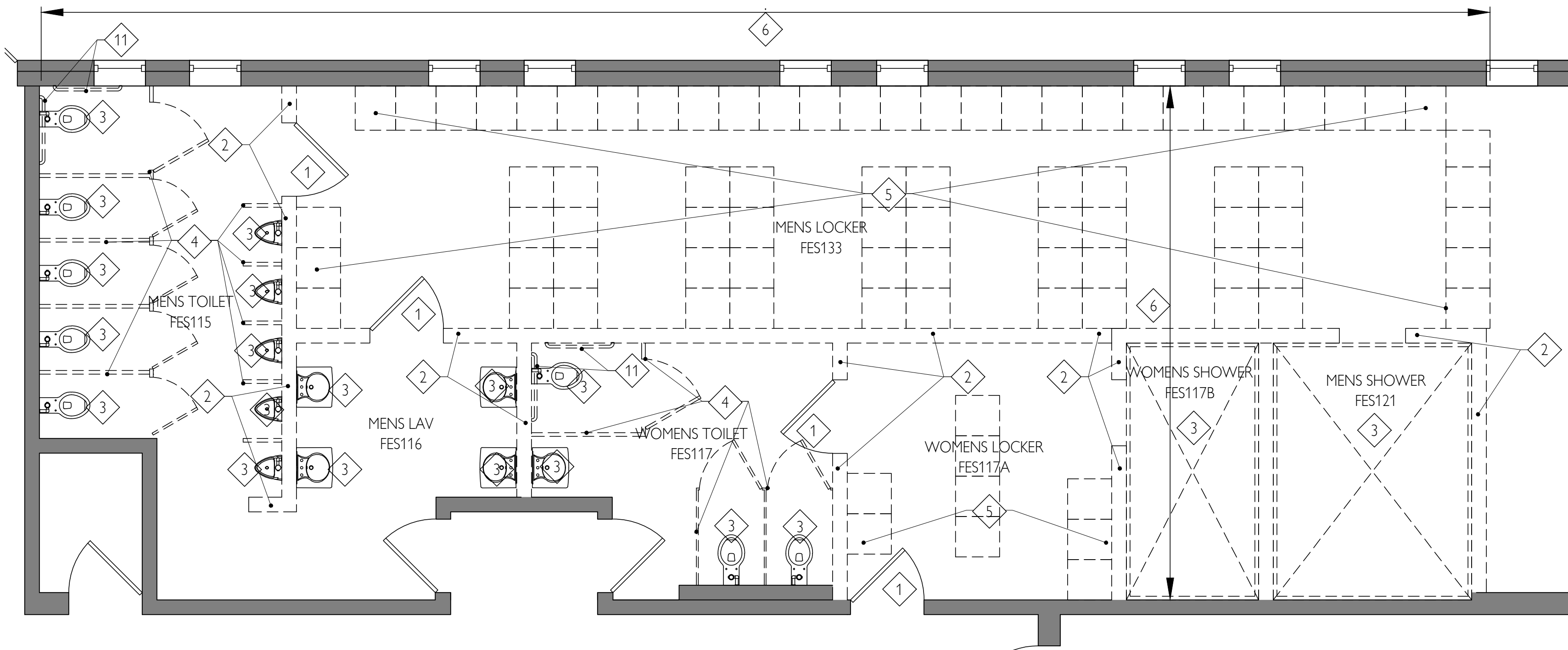
NEW DOOR and DOOR TAG

EXISTING DOOR TO REMAIN - NO WORK

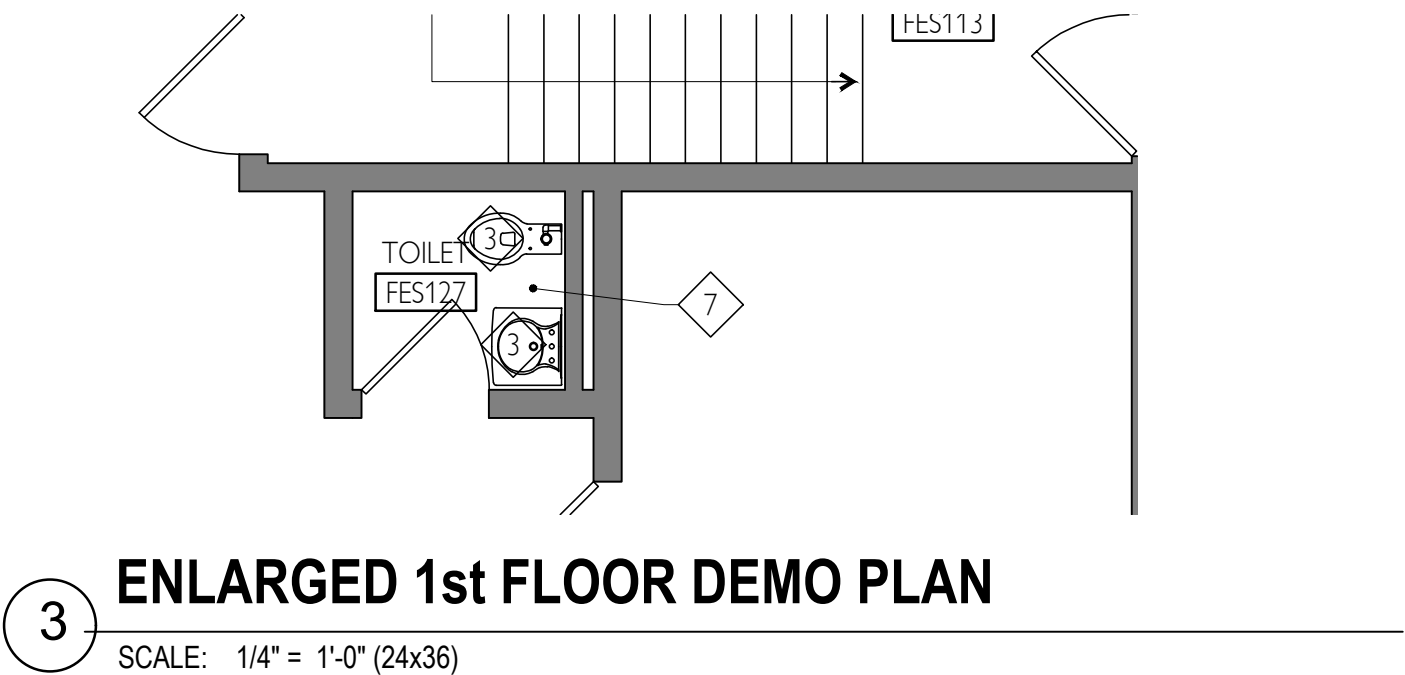
EXISTING DOOR TO BE REMOVED



1 ENLARGED 2nd FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0" (24x36)



2 ENLARGED 1st FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0" (24x36)

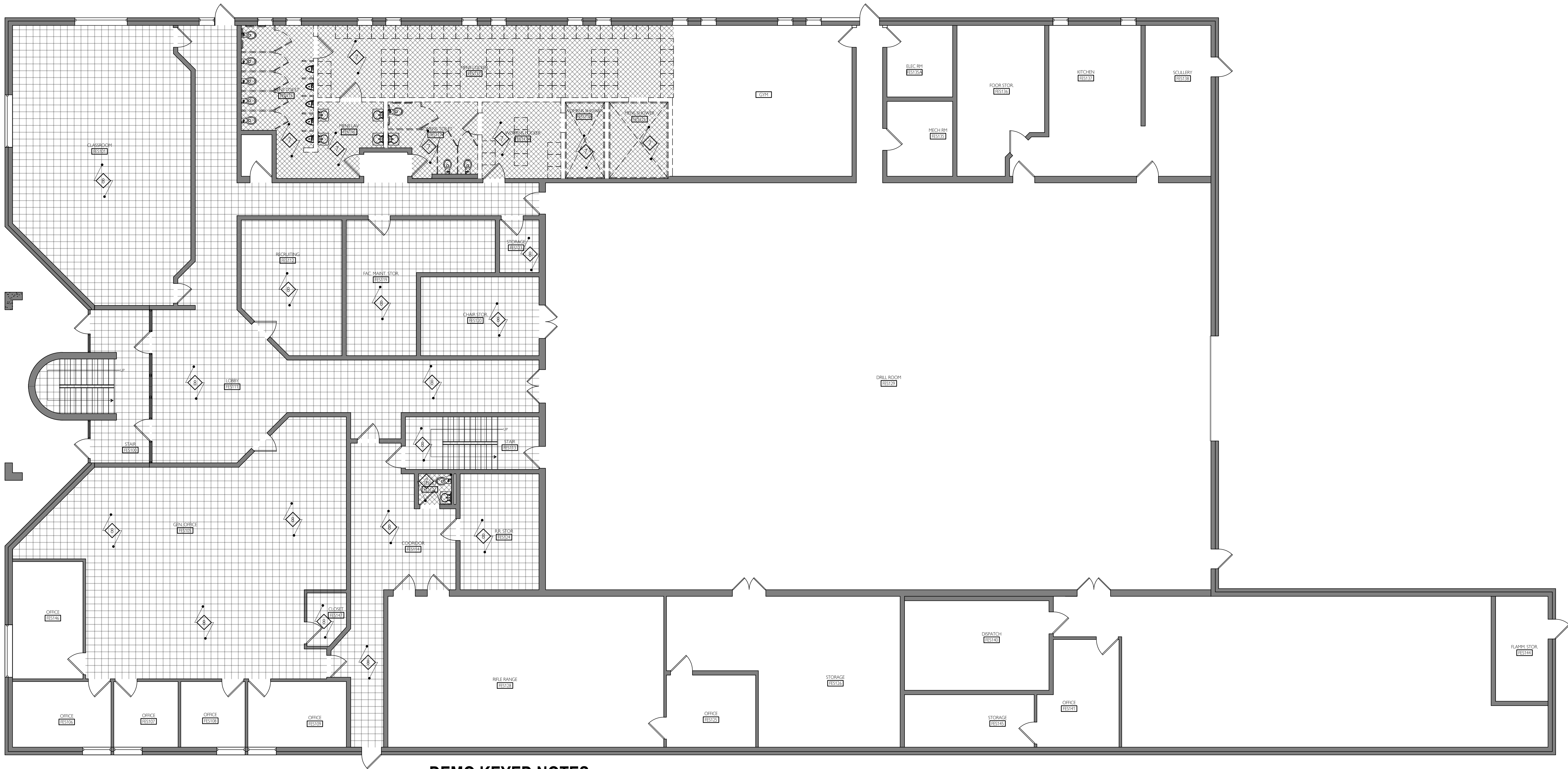


3 ENLARGED 1st FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0" (24x36)

DEMO KEYED NOTES

- 1 REMOVE AND DISPOSE OF EXISTING DOOR FRAME, DOOR, AND HARDWARE
- 2 REMOVE EXISTING INTERIOR PARTITION.
- 3 REMOVE EXISTING PLUMBING FIXTURE
- 4 REMOVE EXISTING TOILET PARTITIONS THROUGHOUT
- 5 REMOVE EXISTING LOCKERS. SALVAGE FOR OWNER'S REUSE
- 6 REMOVE EXISTING CONC SLAB AS REQUIRED FOR NEW PLUMBING ROUGH IN. EXTENTS TBD
- 7 REMOVE EXISTING WALL AND FLOOR TILE
- 8 REMOVE EXISTING VCT THROUGHOUT - PREP FOR NEW VCT - SEE ALTERNATES
- 9 REMOVE WATER COOLER - RETAIN ALL PLUMBING LINES FOR NEW IN PLACE
- 10 UNDERCUT EXISTING DOOR - SEE MECHANICAL DRAWINGS
- 11 REMOVE AND RETAIN ALL GRAB BARS FOR REUSE
- 12 REMOVE ALL CEILING TILES AND GRID AS REQUIRED FOR INSULATION SCOPE OF WORK - REFER TO CEILING PLAN FOR MORE INFORMATION
- 13 REMOVE AND RETAIN ALL LIGHT FIXTURE FOR REINSTALLATION AT LOCATIONS OF ROOF INSULATION SCOPE OF WORK
- 14 REMOVE EXIST'G CEILING TO ACCESS UNDERSIDE OF ROOFING TO PLACE NEW INSULATION. REMOVE, SALVAGE, AND REINSTALL ALL LIGHTING IN AREA OF INSULATION WORK





DEMO KEYED NOTES

- 1 REMOVE AND DISPOSE OF EXISTING DOOR FRAME, DOOR, AND HARDWARE
- 2 REMOVE EXISTING INTERIOR PARTITION.
- 3 REMOVE EXISTING PLUMBING FIXTURE
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FLOOR PLAN LEGEND

NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
----- EXISTING PARTITION TO BE REMOVED

SHADED AREAS INDICATE NO WORK

NEW DOOR and DOOR TAG
EXISTING DOOR TO REMAIN - NO WORK
EXISTING DOOR TO BE REMOVED

 **1st FLOOR FLOORING DEMO PLAN**
SCALE: 1/8" = 1'-0" (24x36)

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



OFFICE OF ADMINISTRATION
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2740 State Rd P, Festus, MO 63028

PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377

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

ISSUE DATE: 06/23/2025

CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

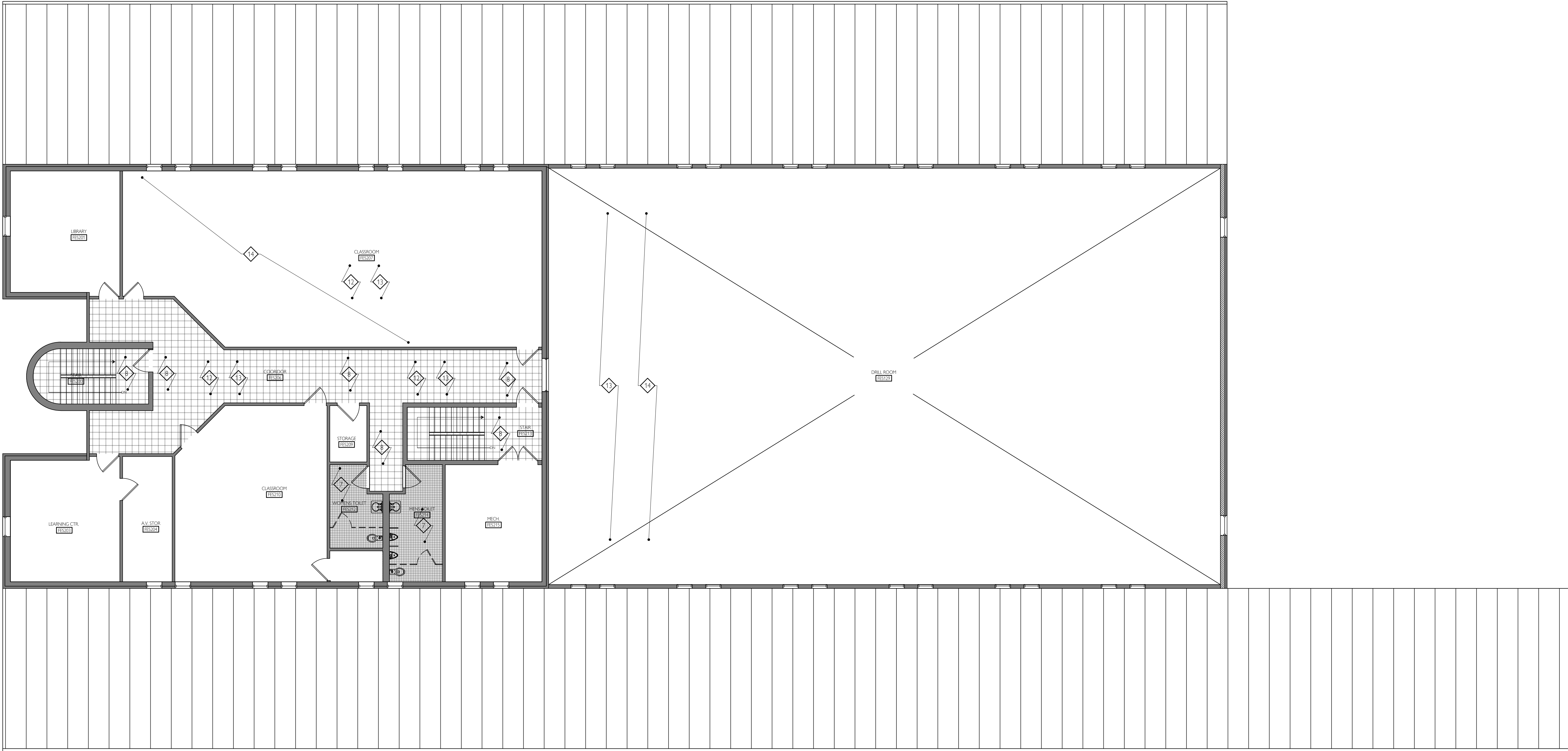
SHEET TITLE:

1st FLOOR
FLOORING
DEMO PLAN

SHEET NUMBER:

A-DP-02

4 OF 19 SHEETS



FLOOR PLAN LEGEND

- NEW PARTITION

PARTITION TYPE P1 UNLESS NOTED OTHERWISE

EXISTING EXTERIOR/INTERIOR PARTITION

PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE

EXISTING PARTITION TO BE REMOVED
- NEW DOOR and DOOR TAG

EXISTING DOOR TO REMAIN - NO WORK

EXISTING DOOR TO BE REMOVED
- SHADED AREAS INDICATE NO WORK

DEMO KEYED NOTES

- 1

REMOVE AND DISPOSE OF EXISTING DOOR FRAME, DOOR, AND HARDWARE
- 2

REMOVE EXISTING INTERIOR PARTITION.
- 3

REMOVE EXISTING PLUMBING FIXTURE
- 4

REMOVE EXISTING TOILET PARTITIONS THROUGHOUT
- 5

REMOVE EXISTING LOCKERS. SALVAGE FOR OWNER'S REUSE
- 6

REMOVE EXISTING CONC SLAB AS REQUIRED FOR NEW PLUMBING ROUGH IN. EXTENTS TBD
- 7

REMOVE EXISTING WALL AND FLOOR TILE
- 8

REMOVE EXISTING VCT THROUGHOUT - PREP FOR NEW VCT - SEE ALTERNATES
- 9

REMOVE WATER COOLER - RETAIN ALL PLUMBING LINES FOR NEW IN PLACE
- 10

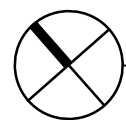
UNDERCUT EXISTING DOOR - SEE MECHANICAL DRAWINGS
- 11

REMOVE AND RETAIN ALL GRAB BARS FOR REUSE
- 12

REMOVE ALL CEILING TILES AND GRID AS REQUIRED FOR INSULATION SCOPE OF WORK - REFER TO CEILING PLAN FOR MORE INFORMATION
- 13

REMOVE AND RETAIN ALL LIGHT FIXTURE FOR REINSTALLATION AT LOCATIONS OF ROOF INSULATION SCOPE OF WORK
- 14

REMOVE EXIST'G CEILING TO ACCESS UNDERSIDE OF ROOFING TO PLACE NEW INSULATION. REMOVE, SALVAGE, AND REINSTALL ALL LIGHTING IN AREA OF INSULATION WORK



2nd FLOOR FLOORING DEMO PLAN

SCALE: 1/8" = 1'-0" (24x36)

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



OFFICE OF ADMINISTRATION
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MANAGEMENT,
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DEPARTMENT OF

Festus Readiness Center

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and Unheated Storage Buildings

ARMY NATIONAL GUARD
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FACILITY # 56377

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

SHEET TITLE:

2nd FLOOR
FLOORING
DEMO PLAN

SHEET NUMBER:

A-DP-03

5 OF 19 SHEETS

EXT. DOOR KEYNOTE LEGEND

- 1

REPLACE EXISTING DOOR
- 2

REPAIR/RE-FINISH DOOR/DOOR FRAME AS NEEDED - SEE DOOR SCHEDULE

LOCKER ROOM NOTES

- 1

PROVIDE THRESHOLD FULL LENGTH OF SHOWER AT 4" IN HEIGHT AND ALIGNED w/ COVE. SLOPE FLOOR OF SHOWER TOWARD SHOWER DRAIN. EPOXY CONTINUOUS OVER THRESHOLD - TYP. ALL NON-ACCESSIBLE SHOWERS - SEE SHEET A-SH-06
- 2

NEW BENCHES TO BE SUPPLIED BY OWNER PER BUILDING STANDARDS
- 3

ROLL-IN ADA SHOWERS w/ CHANGING AREA
- 4

SHOWER CURTAIN AND ROD TO BE SUPPLIED BY OWNER PER BUILDING STANDARDS
- 5

FLOOR DRAIN - SEE PLUMBING PLAN
- 6

FLOOR MOUNTED TOILET PARTITIONS - SEE SPECIFICATION
- 7

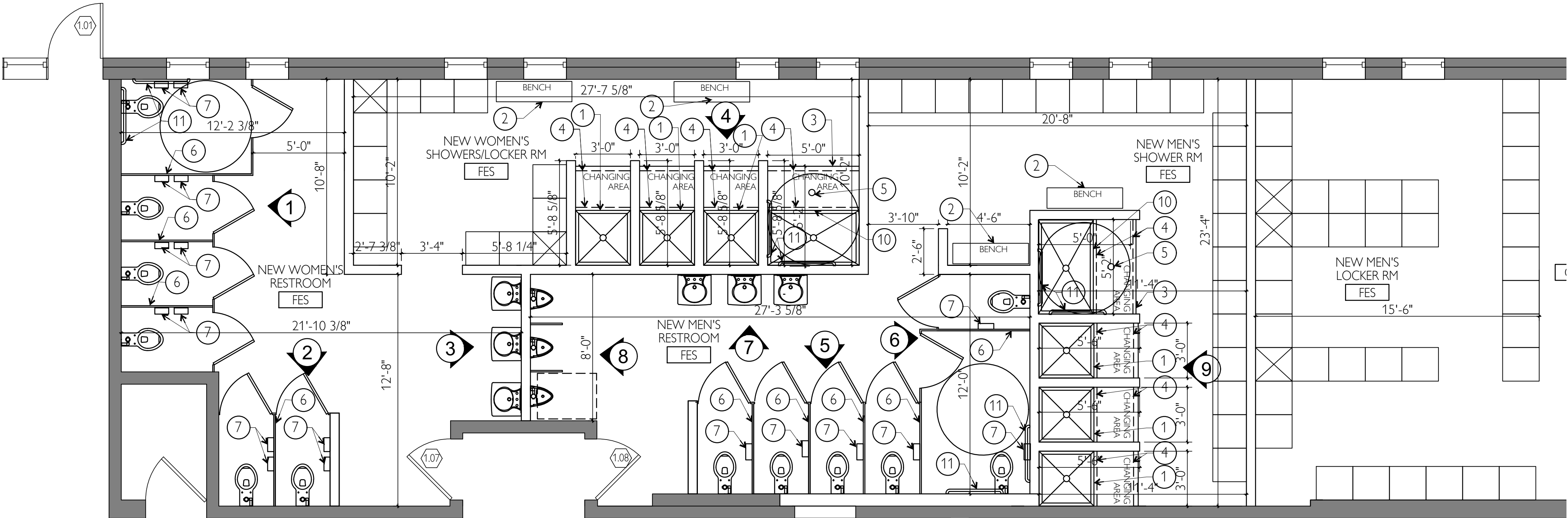
TOILET ACCESSORIES BY OWNER PER BUILDING STANDARDS
- 8

MIRROR - SEE SPECIFICATIONS
- 9

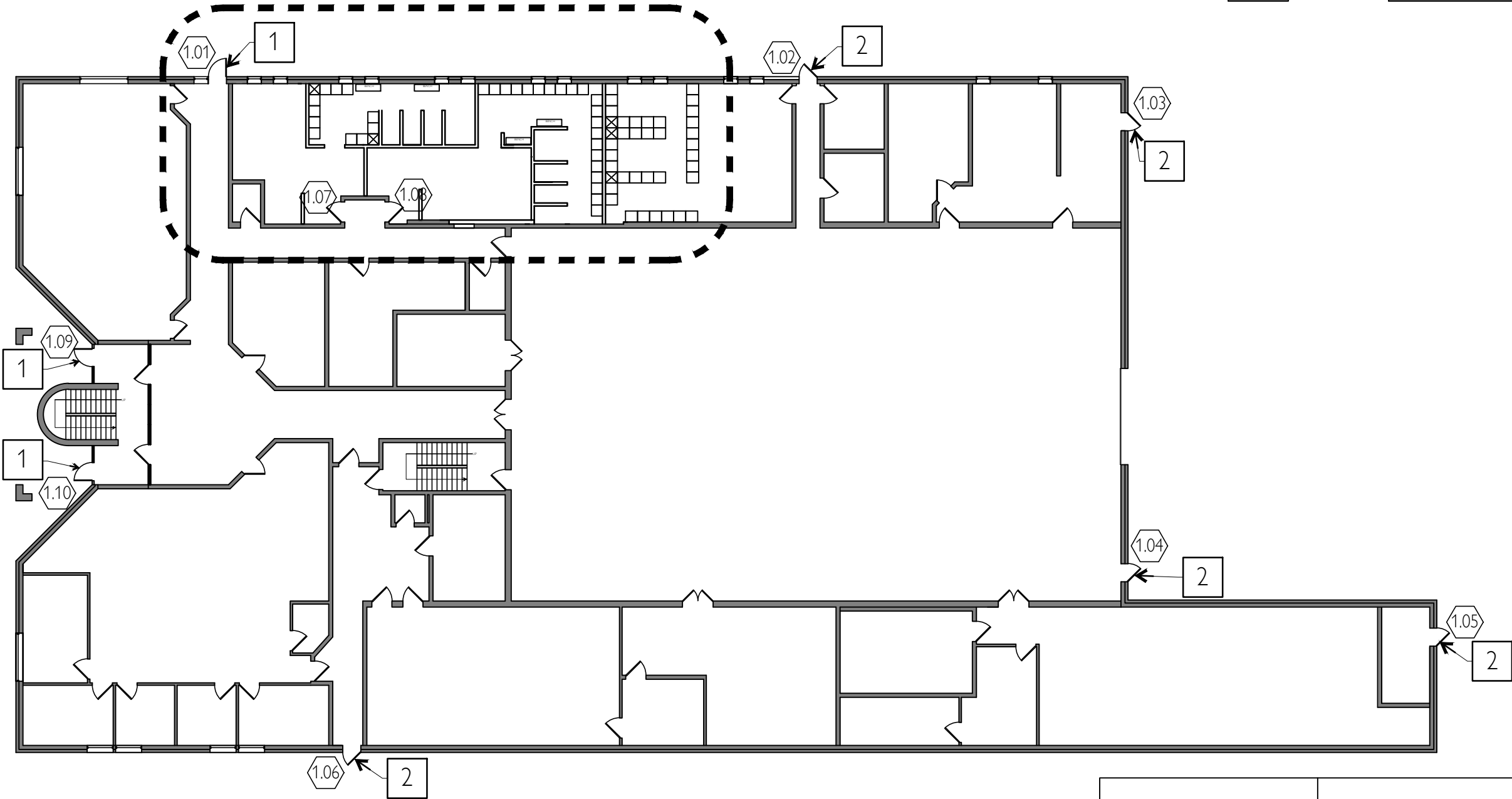
EPOXY WALL COATING IN ALL SHOWERS - SEE SPECIFICATIONS
- 10

PROVIDE THRESHOLD FULL LENGTH OF SHOWER AT 1/2" MAX. HEIGHT AND SLOPE FLOOR OF SHOWER TOWARD SHOWER DRAIN. EPOXY CONT. OVER THRESHOLD - SEE SHEET A-SH-06
- 11

GRAB BARS AS SHOWN - SEE SHEET A-SH-06 FOR INSTALL DIMENSIONS



 **ENLARGED RESTROOM + LOCKER PLAN**
SCALE: 1/4" = 1'-0" (24x36)



 **1st FLOOR REFERENCE PLAN w/ DOOR TAGS**
SCALE: 1/16" = 1'-0" (24x36)

FLOOR PLAN LEGEND

- NEW PARTITION

PARTITION TYPE P1 UNLESS NOTED OTHERWISE

EXISTING EXTERIOR/INTERIOR PARTITION

PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE SEE CODE PLANS SHEET A-00

EXISTING PARTITION TO BE REMOVED
- SHADED AREAS INDICATE NO WORK

EXT 09

NEW DOOR and DOOR TAG

EXISTING DOOR TO REMAIN - NO WORK

EXISTING DOOR TO BE REMOVED
-
- 1 INTERIOR - WEST ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 2 INTERIOR - SOUTH ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 3 INTERIOR - EAST ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 4 INTERIOR - SOUTH ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
- WOMEN'S RESTROOM/LOCKER ROOM
INTERIOR ELEVATIONS**
- SCALE: 1/4" = 1'-0" (24x36)
-
- 5 INTERIOR - SOUTH ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 6 INTERIOR - EAST ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 7 INTERIOR - NORTH ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 8 INTERIOR - WEST ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
-
- 9 INTERIOR - WEST ELEVATION**
SCALE: 1/4" = 1'-0" (24x36)
**MEN'S RESTROOM/LOCKER ROOM INTERIOR
ELEVATIONS**
SCALE: 1/4" = 1'-0" (24x36)
- STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR
-
- OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION
- DEPARTMENT OF
- Festus Readiness Center
- Repairs to Int./Ext. Readiness Center,
and Unheated Storage Buildings
- ARMY NATIONAL GUARD
2740 State Rd P, Festus, MO 63028
- PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377
- REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/23/2025
- CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____
- SHEET TITLE:
1st FLOOR PLAN
- SHEET NUMBER:
- A-FP-01
- 6 OF 19 SHEETS



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
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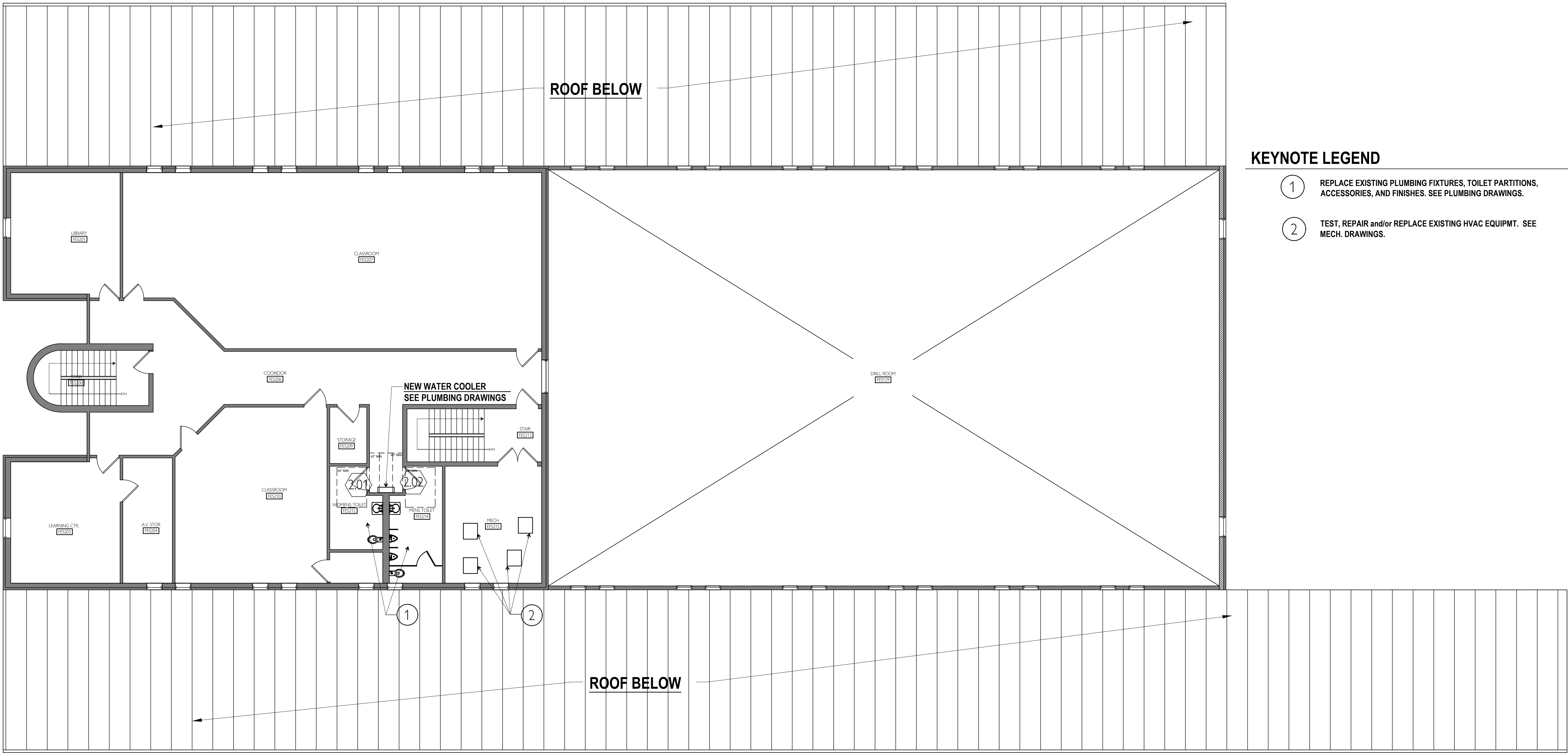
SHEET TITLE:

2nd FLOOR PLAN

SHEET NUMBER:

A-FP-02

7 OF 19 SHEETS



KEYNOTE LEGEND

- ① REPLACE EXISTING PLUMBING FIXTURES, TOILET PARTITIONS, ACCESSORIES, AND FINISHES. SEE PLUMBING DRAWINGS.
- ② TEST, REPAIR and/or REPLACE EXISTING HVAC EQUIPMT. SEE MECH. DRAWINGS.

2nd FLOOR PLAN

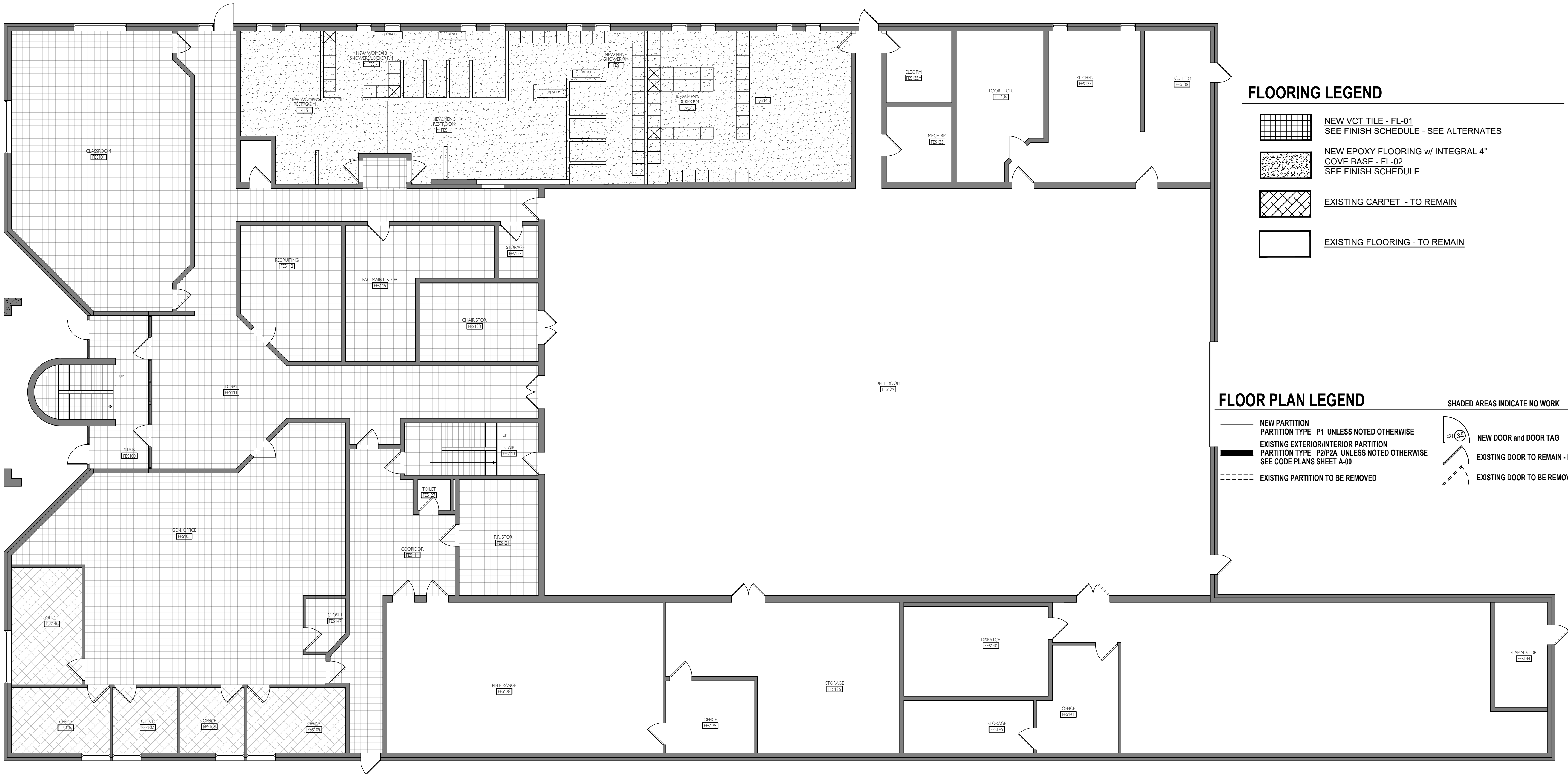
SCALE: 1/8" = 1'-0" (24x36)

FLOOR PLAN LEGEND

- NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
- EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
- EXISTING PARTITION TO BE REMOVED

SHADED AREAS INDICATE NO WORK

- NEW DOOR and DOOR TAG
- EXISTING DOOR TO REMAIN - NO WORK
- EXISTING DOOR TO BE REMOVED



FLOORING LEGEND

- NEW VCT TILE - FL-01
SEE FINISH SCHEDULE - SEE ALTERNATES
- NEW EPOXY FLOORING w/ INTEGRAL 4"
COVE BASE - FL-02
SEE FINISH SCHEDULE
- EXISTING CARPET - TO REMAIN
- EXISTING FLOORING - TO REMAIN

FLOOR PLAN LEGEND

- NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
- EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
- EXISTING PARTITION TO BE REMOVED
- NEW DOOR and DOOR TAG
- EXISTING DOOR TO REMAIN - NO WORK
- EXISTING DOOR TO BE REMOVED

SHADED AREAS INDICATE NO WORK

1st FLOOR FINISHES PLAN
SCALE: 1/8" = 1'-0" (24x36)



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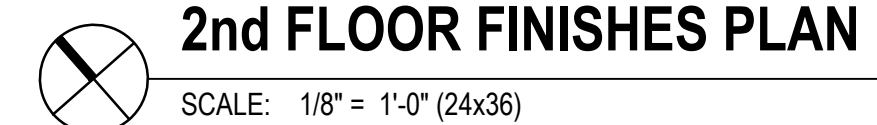
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DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

SHEET TITLE:
1st FLOOR
FINISHES PLAN

SHEET NUMBER:

A-FP-03

8 OF 19 SHEETS



SCALE: 1/8" = 1'-0" (24x36)

9 OF 19 SHEETS



- CEILING LEGEND**
- EXISTING GRID
LIGHT FIXTURES TO REMAIN .
REPLACE WATER DAMAGED CEILING TILES AS NEEDED
~ALLOWANCE = 5% OF TILES TO BE REPLACED
MATCH EXISTING COLOR, FINISH, AND TEXTURE
 - UNFINISHED w/ INSULATION
 - NEW MOISTURE RESISTANT GYP BOARD -
SEE FINISH SCHEDULE
 - NEW ACT CEILING
 - REMOVE & REPLACE DAMAGED PLASTIC-FACED
INSULATIONS.
FINAL EXTENTS TBD.

- FLOOR PLAN LEGEND**
- NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
 - EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
 - EXISTING PARTITION TO BE REMOVED
 - SHADED AREAS INDICATE NO WORK
 - NEW DOOR and DOOR TAG
 - EXISTING DOOR TO REMAIN - NO WORK
 - EXISTING DOOR TO BE REMOVED

1st FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0" (24x36)

STATE OF MISSOURI
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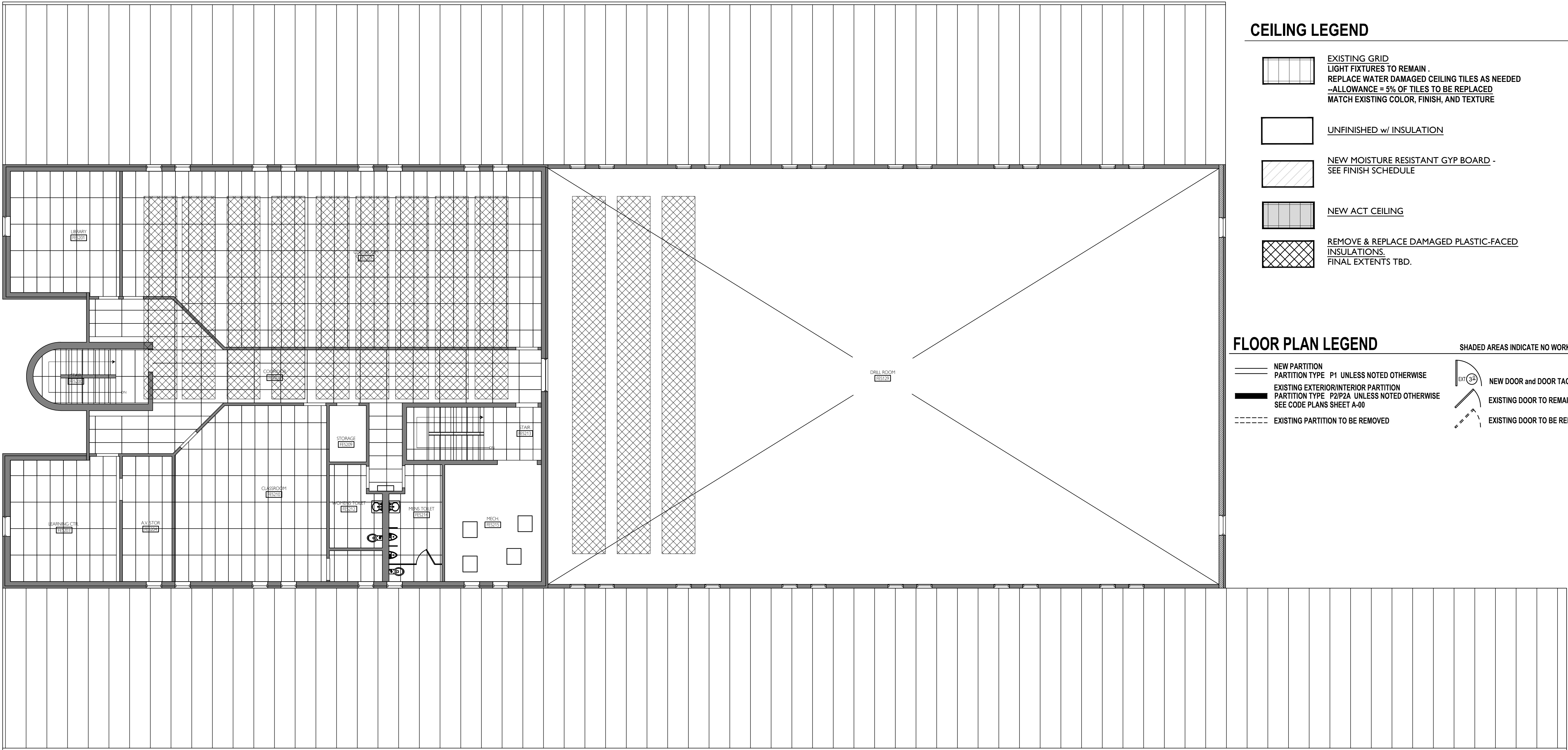
CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

SHEET TITLE:
1st FLOOR
REFLECTED
CEILING PLAN

SHEET NUMBER:

A-RC-01

10 OF 19 SHEETS



- CEILING LEGEND**
- EXISTING GRID
LIGHT FIXTURES TO REMAIN .
REPLACE WATER DAMAGED CEILING TILES AS NEEDED
--ALLOWANCE = 5% OF TILES TO BE REPLACED
MATCH EXISTING COLOR, FINISH, AND TEXTURE
 - UNFINISHED w/ INSULATION
 - NEW MOISTURE RESISTANT GYP BOARD -
SEE FINISH SCHEDULE
 - NEW ACT CEILING
 - REMOVE & REPLACE DAMAGED PLASTIC-FACED
INSULATIONS.
FINAL EXTENTS TBD.

- FLOOR PLAN LEGEND**
- NEW PARTITION
PARTITION TYPE P1 UNLESS NOTED OTHERWISE
 - EXISTING EXTERIOR/INTERIOR PARTITION
PARTITION TYPE P2/P2A UNLESS NOTED OTHERWISE
SEE CODE PLANS SHEET A-00
 - EXISTING PARTITION TO BE REMOVED
 - SHADED AREAS INDICATE NO WORK
 - NEW DOOR and DOOR TAG
 - EXISTING DOOR TO REMAIN - NO WORK
 - EXISTING DOOR TO BE REMOVED

2nd FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0" (24x36)

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DATE: _____

ISSUE DATE: 06/23/2025

CAD DWG FILE: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____

SHEET TITLE:

2nd FLOOR
REFLECTED
CEILING PLAN

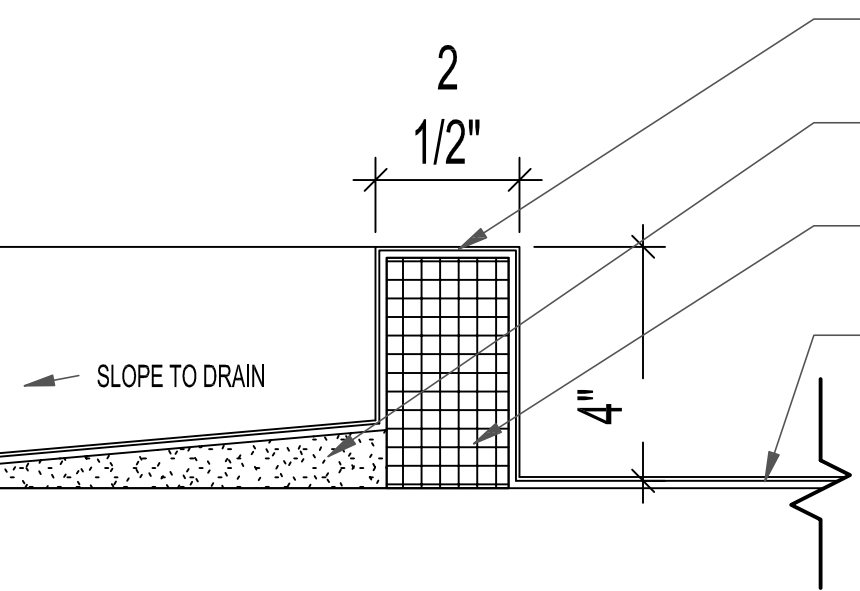
SHEET NUMBER:

A-RC-02

11 OF 19 SHEETS

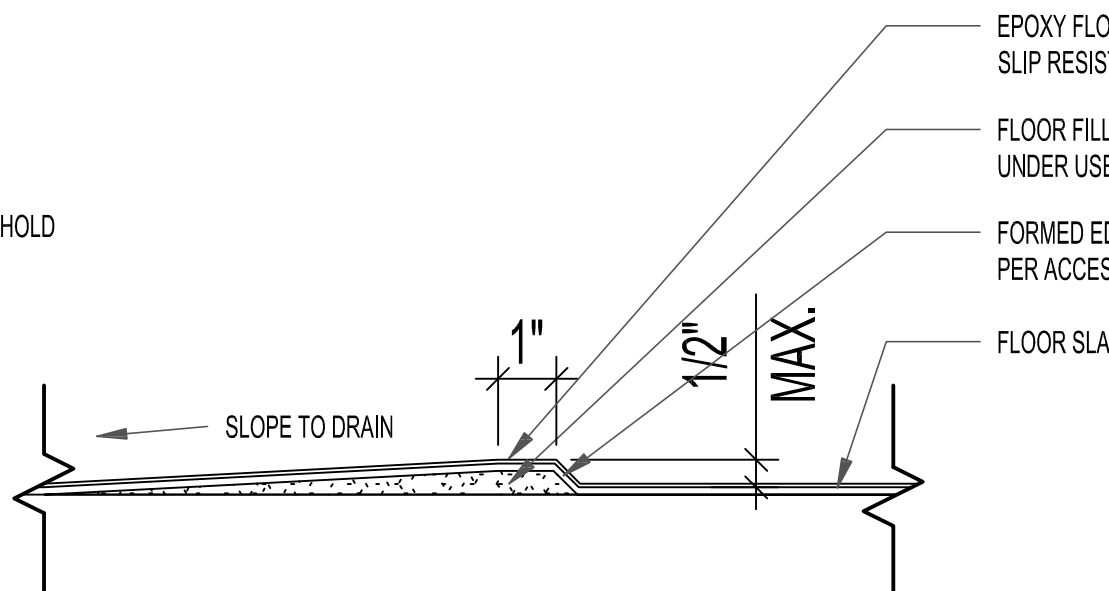
ROOM FINISH SCHEDULE										
ROOM #	ROOM NAME	FLOOR	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CLG. FIN.	CLG. HGT.	NOTES
1st FLOOR										
FES N-01	WOMEN'S RESTROOM	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-02	WOMEN'S SHOWERLOCKER	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-03	MEN'S RESTROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-04	MEN'S SHOWERLOCKER 1	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
FES N-05	MEN'S SHOWERLOCKER 2	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS -DESERT STONE 5406
FES N-06	NEW MEN'S LOCKER ROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
	— ALL REMAINING 1st FLOOR —	FL-01	BS-01	---	---	---	---	---		SEE ALTERNATES
	— ALL STAIRS — ANGLE FIT RUBBER STAIR TREADS w/ RAISED ROUND PROFILE									SEE ALTERNATES
2nd FLOOR										
008	EXST'G WOMENS RESTROOM	FL-02	INTGRL	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-1 / PT-2	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
009	EXST'G MENS RESTROOM	FL-02	INTGRL	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-1A / PT-2A	PT-3	8'-0" ±	BRADLEY CORP BRADMAR PARTITIONS - DESERT STONE 5406
	— ALL REMAINING 2nd FLOOR —	FL-01	BS-01	---	---	---	---	---		SEE ALTERNATES
	— ALL STAIRS — ANGLE FIT RUBBER STAIR TREADS w/ RAISED ROUND PROFILE									SEE ALTERNATES

DOOR SCHEDULE										
*** NOTE — UNMARKED DOORS INDICATE EXISTING, WITH HARDWARE, OPERATION, AND FIRE RATING TO REMAIN AS EXISTING — NO WORK. ***										
DOORS *** FIELD VERIFY SIZES OF ALL REPLACEMENT DOORS ***						FRAMES		NOTES		
TYPE	NO.	MATL.	SIZE		HOW. GRP.	RATING	FINISH	REMARKS	TYPE	REMARKS
A	101	HLW MTL	36	84	A	NONE	ANONDZD	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A1	102	HLW MTL	36	84	A	NONE	ANONDZD	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A1	103	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A1	104	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
B	105	HLW MTL	36	84	B	NONE	PT-4	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A1	106	HLW MTL	36	84	A	NONE	PT-4	REPLACEMENT, MATCH EXISTING MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
C	107	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXIST'G. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
C	108	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXIST'G. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A	109	HLW MTL	36	84	A	NONE	ANONDZD	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
A	110	HLW MTL	36	84	A	NONE	ANONDZD	REPLACEMENT, SIDELITE TO REMAIN. MATCH EXISTING, MEDIUM STYLE. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
C	201	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXIST'G. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT
C	202	HLW MTL	36	84	C	20 min	PT-4	ALTERNATE / OWNER'S OPTION REPLACEMENT MATCH EXIST'G. FIELD VERIFY.	MTL.	PREP, PRIME, PAINT



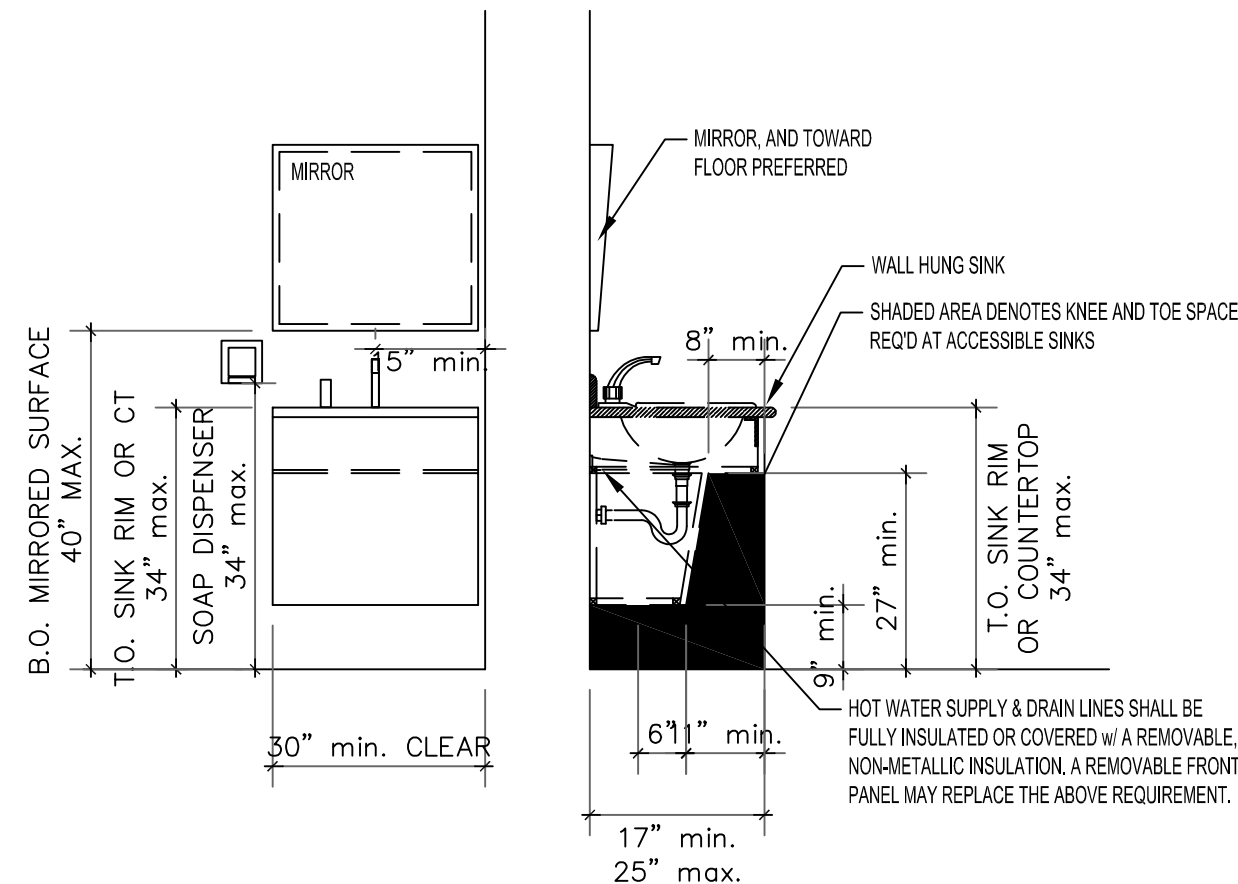
EPOXY SHOWER THRESHOLD

n.t.s.



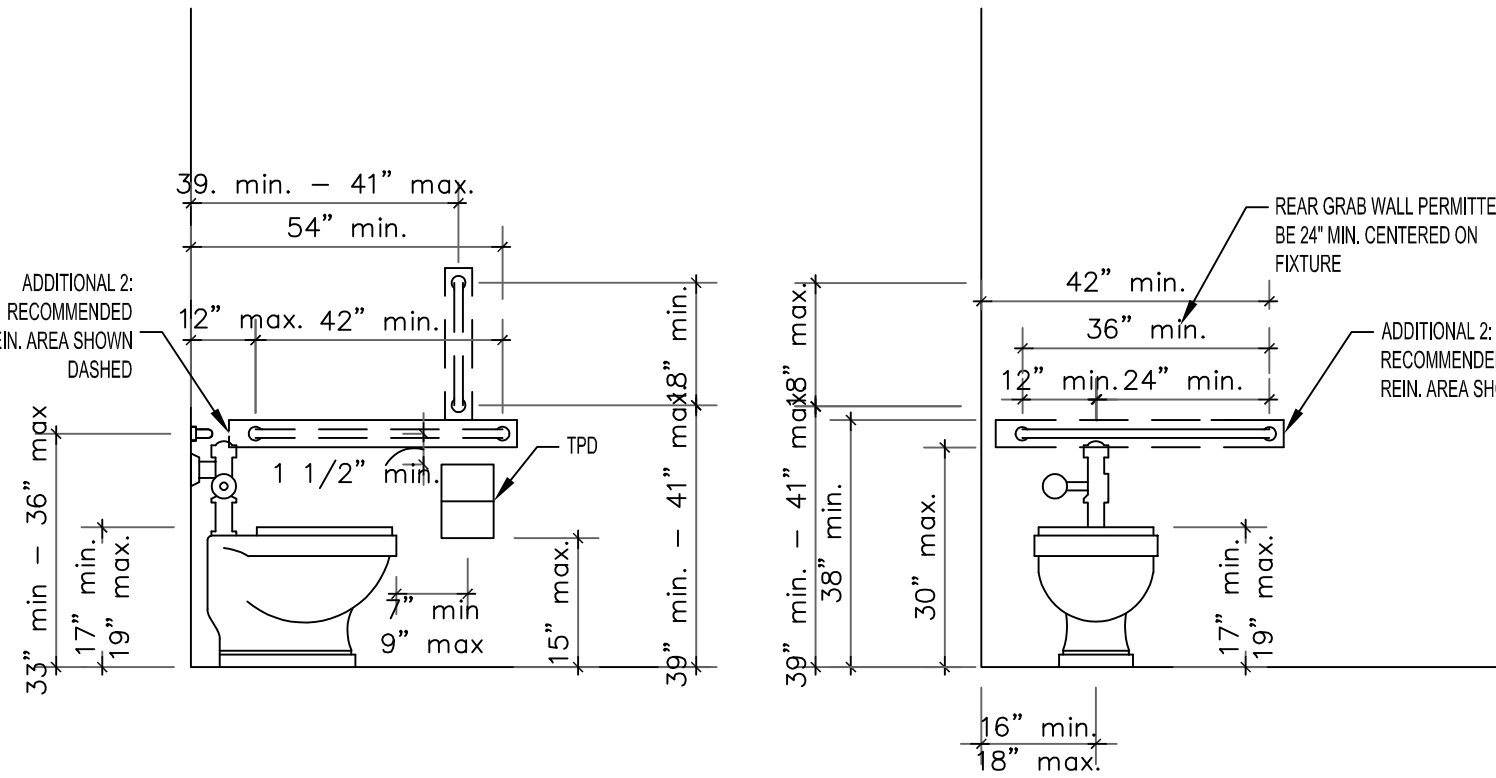
EPOXY ADA SHOWER THRESHOLD

n.t.s.



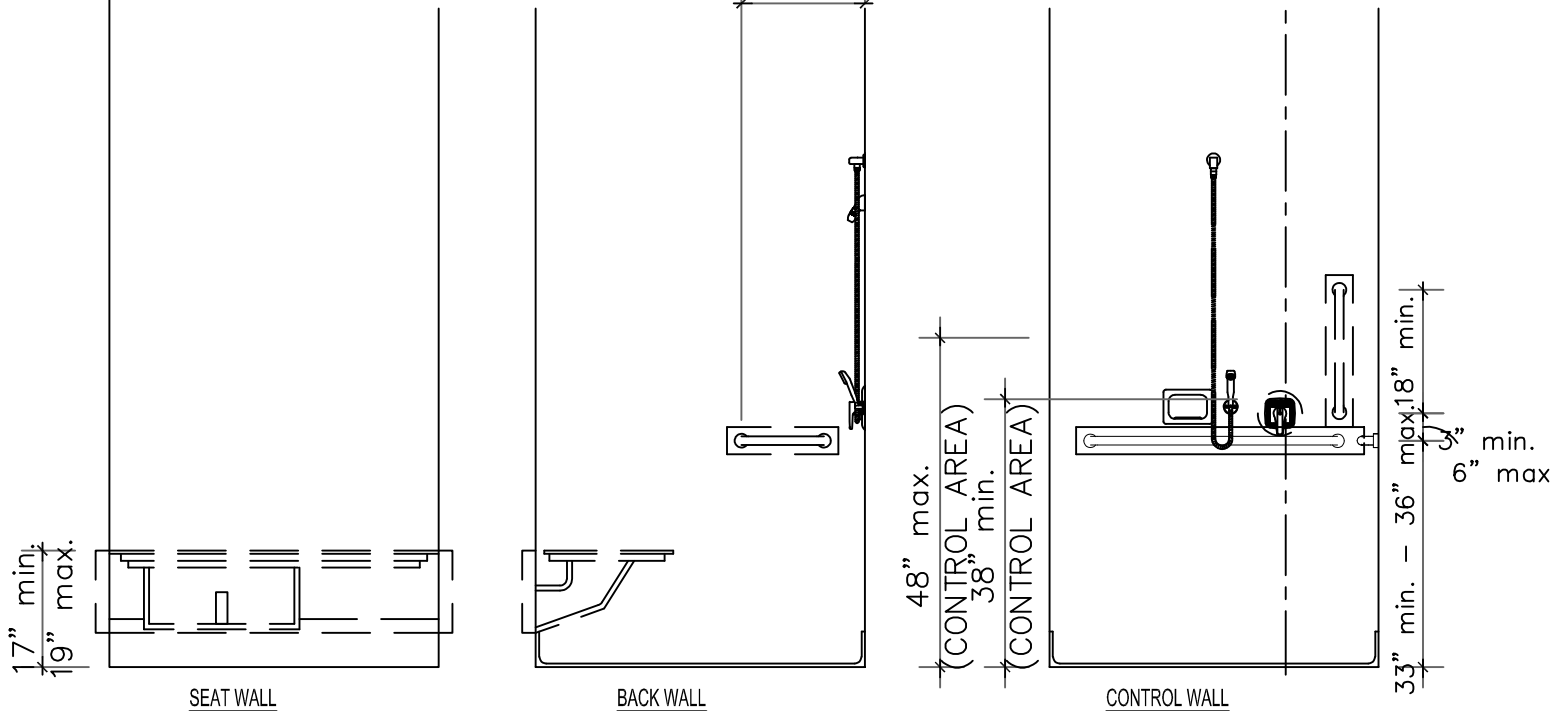
SINK CLEARANCES & HEIGHT

n.t.s.



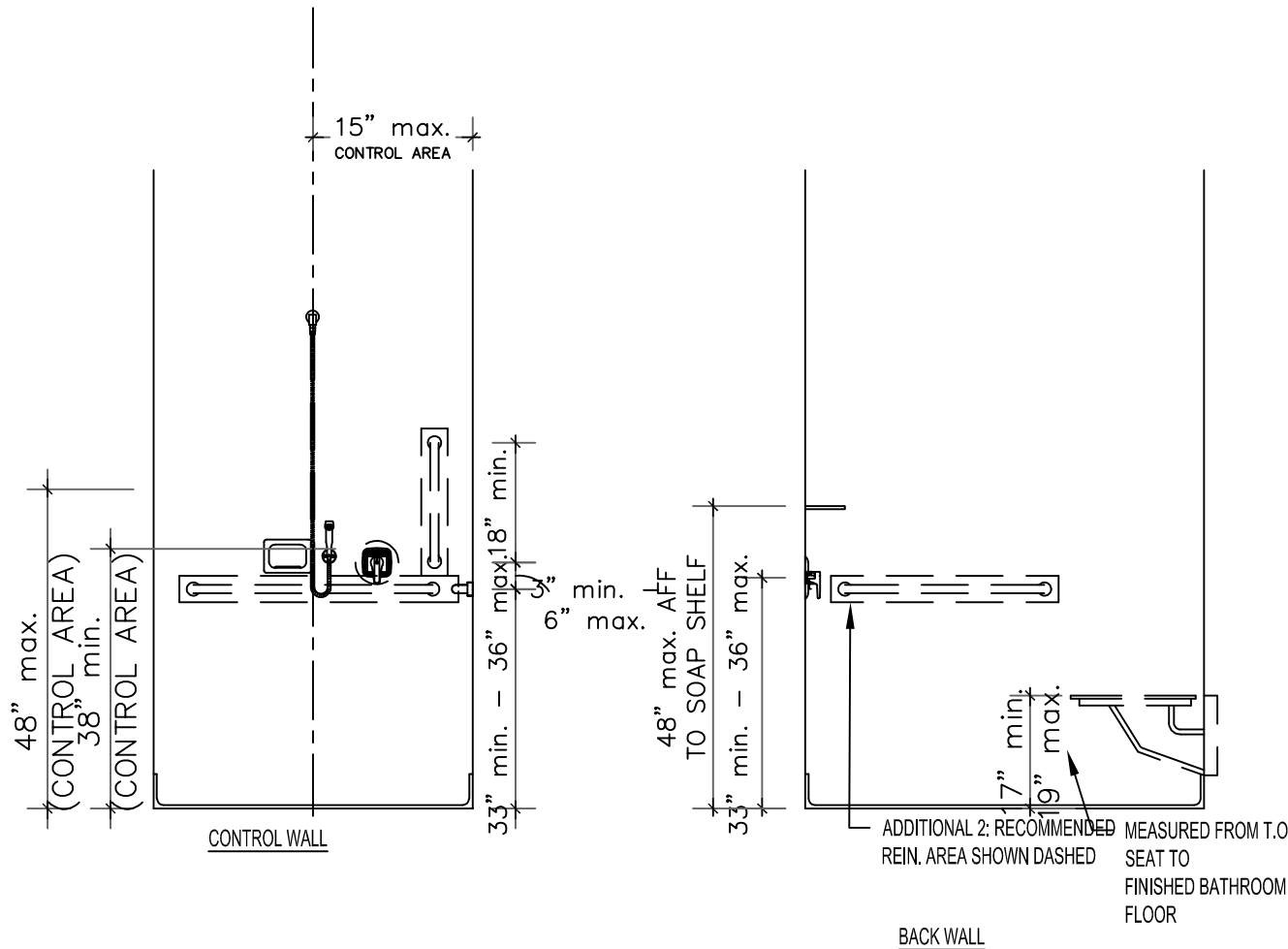
TOILET STANDARDS

n.t.s.



TRANSFER SHOWERS

n.t.s.

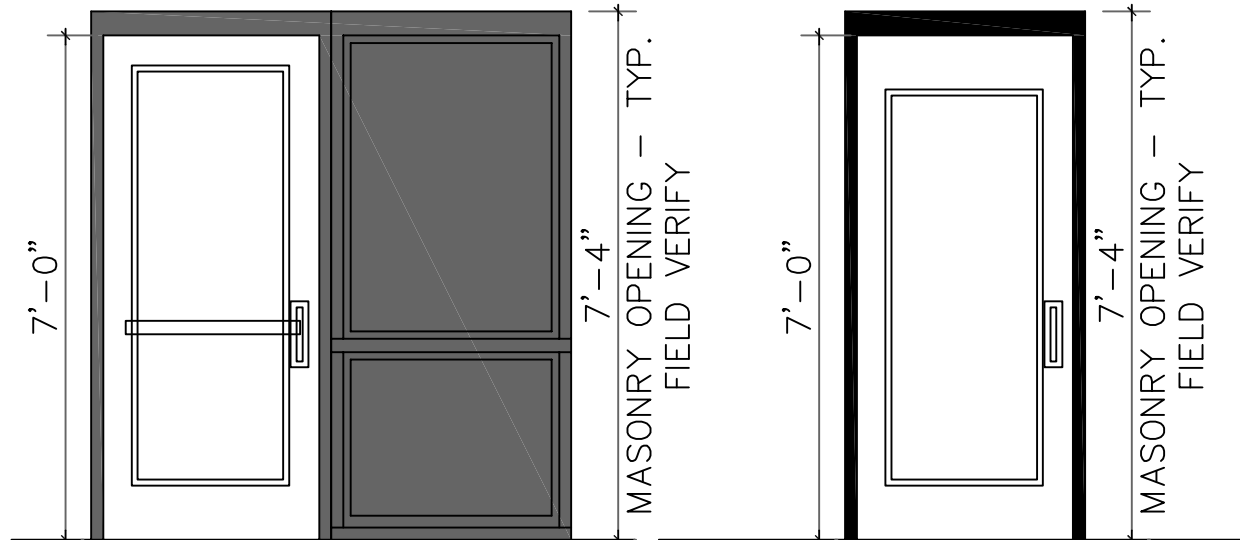


ROLL-IN SHOWERS w/ SEAT

n.t.s.

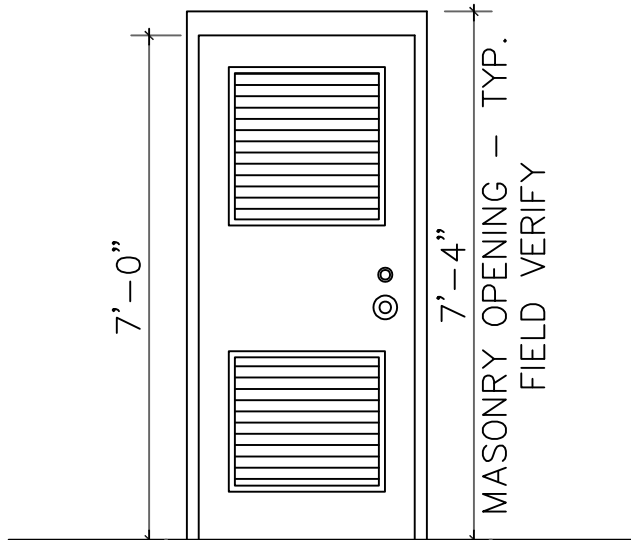
INTERIOR FINISHES

FLOORING - VINYL COMPOSITE TILE (VCT) - ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE' 12"x12"		PAINT SYSTEMS - SHERWIN-WILLIAMS PAINTS	
[FL-0]	FLOORING - VINYL COMPOSITE TILE (VCT) - ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE' 12"x12"	PT-1	CMU WALLS (2) COATS LOXON BLOCK FILLER FINAL SELECTION BY OWNER - SEE ALTERNATES
	FLOORING - POURED EPOXY FLOOR w/ 6" INTEGRAL BASE - DUR-A-QUARTZ Q28-21 (2) GROUT COATS ARMOR TOP GLOSS PREP FLOOR w/ 2 COATS CLEAR EPOXY COATING ALTERNATE: 1 COAT CLEAR EPOXY FINISH	PT-2	NEW GYP. BD. WALLS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER (2) COATS PRO-MAR 200 SATIN COLOR SW7065 ARGOS
[BS-0] BASE - JOHNSONITE TRADITIONAL 6" RUBBER BASE w/ TOE PROFILE, FULL SPREAD ADHESIVE INSTALLATION BASEBOARDS THROUGHOUT. COLOR 71 'STORM CLOUD' - SEE ALTERNATES		PT-1A	CMU WALLS (2) COATS LOXON BLOCK SURFACER (2) COATS PRO-MAR 400 SEMI-GLOSS COLOR SW7065 ARGOS
		PT-2A	NEW GYP. BD. WALLS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER (2) COATS PRO-MAR 200 SATIN COLOR SW7065 ARGOS
		PT-3	NEW GYP. CEILINGS (1) COAT PRO-MAR 200 INTERIOR LATEX PRIMER (2) COATS PRO-MAR INTERIOR LATEX CEILING PAINT COLOR SW7005 PURE WHITE
		PT-4	HOLLOW METAL DOOR and FRAMES, WOOD DOORS (1) COAT SW PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER (2) COATS SW PRO INDUSTRIAL ACRYLIC SEMI-GLOSS COLOR - MATCH EXISTING ADJACENT

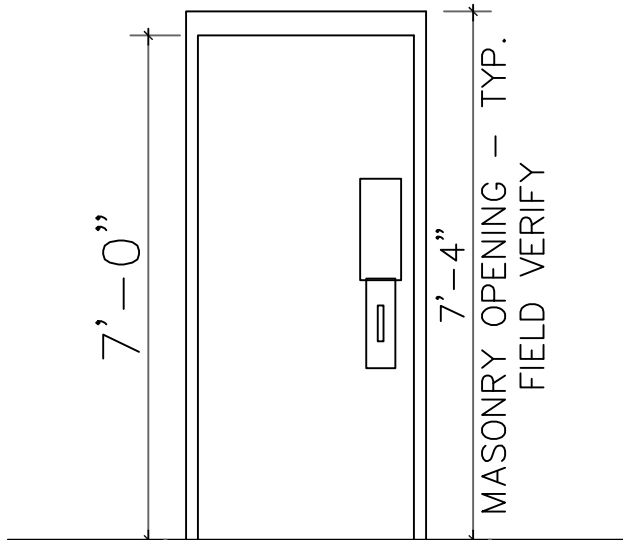


DOOR TYPE 'A'

DOOR TYPE 'A1'



DOOR TYPE 'B'



DOOR TYPE 'C'

HARDWARE GROUP A:
REPLACEMENT ENTRY/EXIT DOORS (EXTERIOR)

For use on mark/door sets #(s): 101 102 103 104 106 109 110

Each Set of Doors To Have: (note these are double door configurations)

Qty	Description	Catalog Number	Finish	Mfr
1	CONT. HINGE	780-111 HD	ALM	HAGER
1	CLOSERS	5200 HDCS	ALM	HAGER
1	MORTISE CYLNDR	3902 x LAR	US32D	HAGER
1	CYLNDR ESTCHN	45CE	US32D	HAGER
1	DEADLOCK	3215	US32D	HAGER
1	SET SEALS	726 x LAR	CHA	HAGER
1	EXIT DEVICE	4501SVR LBR F	US32D	HAGER
1	EXIT DEVICE TRIMS	4501SVR AUG	US32D	HAGER
1	SET SEALS	726 x LAR	CHA	HAGER
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS

HARDWARE GROUP B:
NON-EXIT DOORS (EXTERIOR)

For use on mark/door sets #(s): 105

Each Door To Have:

Qty	Description	Catalog Number	Finish	Mfr
3	HINGES	BB1168 4.5x4.5 NRP	US26D	HAGER
1	MORTISE CYLNDR	3902 x LAR	US32D	HAGER
1	CYLNDR ESTCHN	45CE	US32D	HAGER
1	DEADLOCK	3215	US32D	HAGER
1	SET SEALS	726 x LAR	CHA	HAGER
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS
1	HEAD WTHR STRP CONTINUOUS	810S	MIL	HAGER

HARDWARE GROUP C:
REPLACEMENT INTERIOR DOORS (RESTROOMS) - ALTERNATE / OWNER OPTION

For use on mark/door #(s): 107 108 201 202

Each Door To Have:

Qty	Description	Catalog Number	Finish	Mfr
3	HINGES	BB1168 4.5x4.5 NRP	US26D	HAGER
1	CLOSERS	5200 HDCS	ALM	HAGER
2	PUSH PLATE	30S 3 X12	US32D	HAGER
1	SOLID PULL	3G	US32D	HAGER
2	KICK PLATES	190S 8"x1" LDW CKS	US32D	HAGER
1	DOOR SWEEP	200NA	CLR	NATIONAL GUARD PRODUCTS
1	FLOOR STOP and HOLDER	258 F	US32D	HAGER

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF

Festus Readiness Center

Repairs to Int./Ext. Readiness Center,
and Unheated Storage Buildings

ARMY NATIONAL GUARD
2740 State Rd P, Festus, MO 63028

PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/23/2025

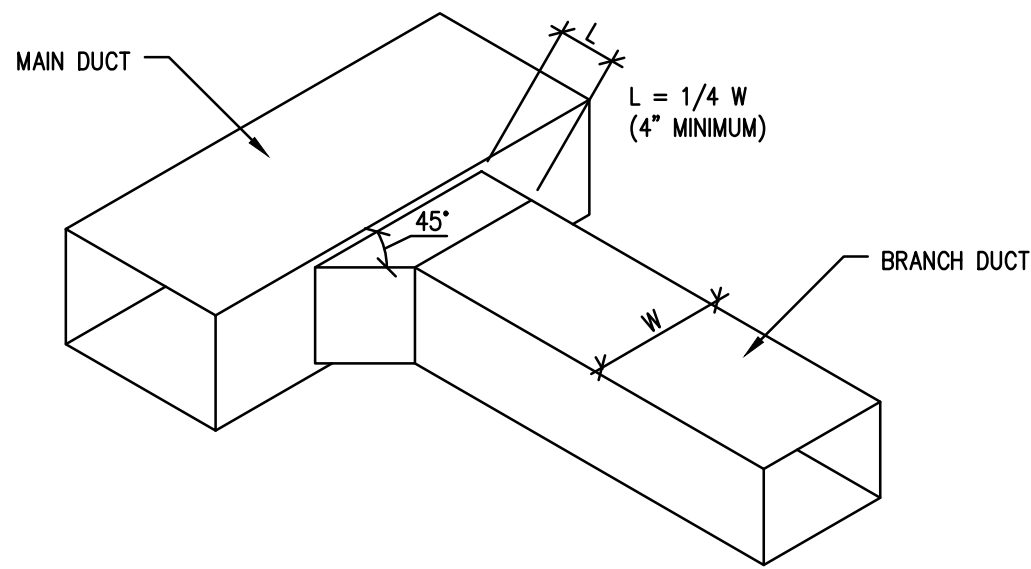
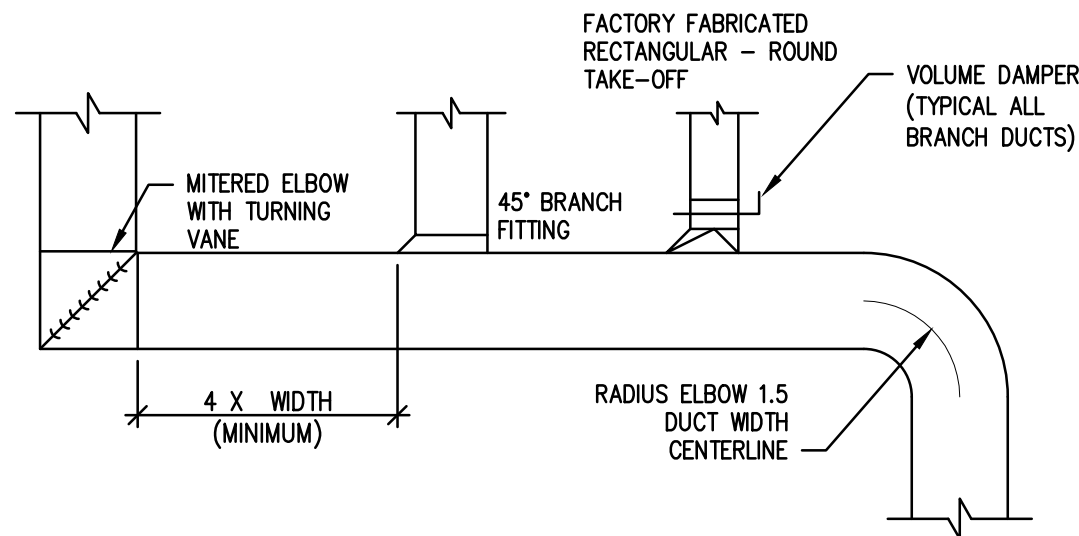
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CHECKED BY: _____
DESIGNED BY: _____

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SCHEDULES

SHEET NUMBER:

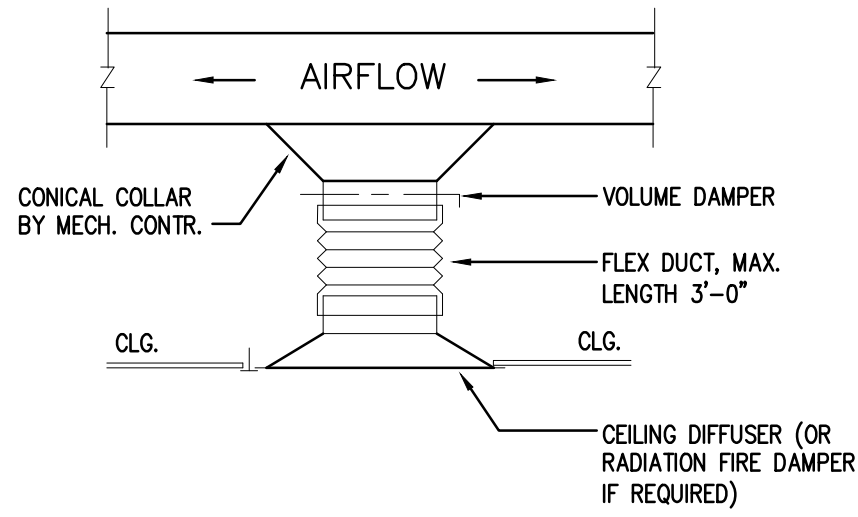
A-SH-06

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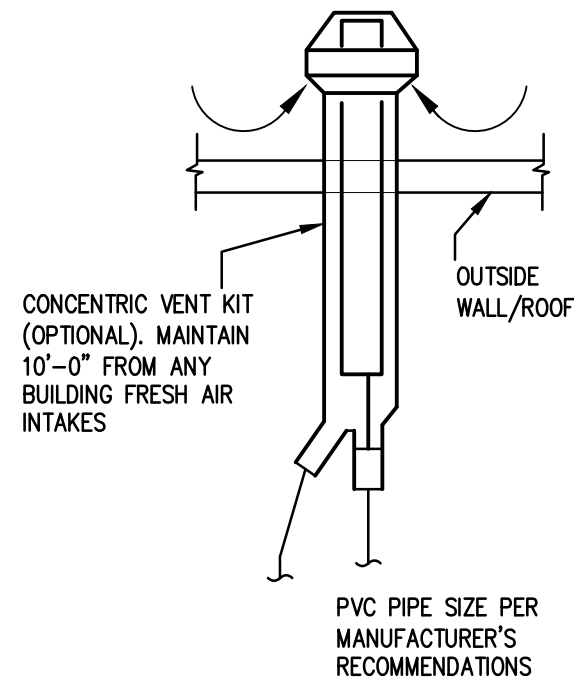
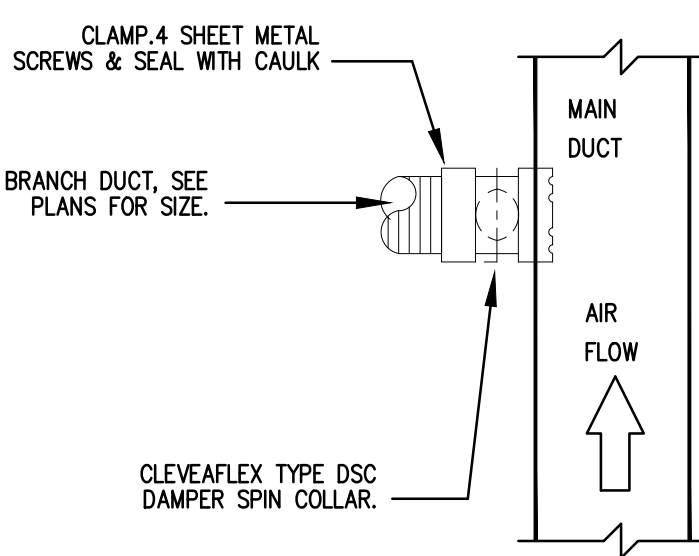


DUCT TAKE OFF DETAILS

SCALE: NTS

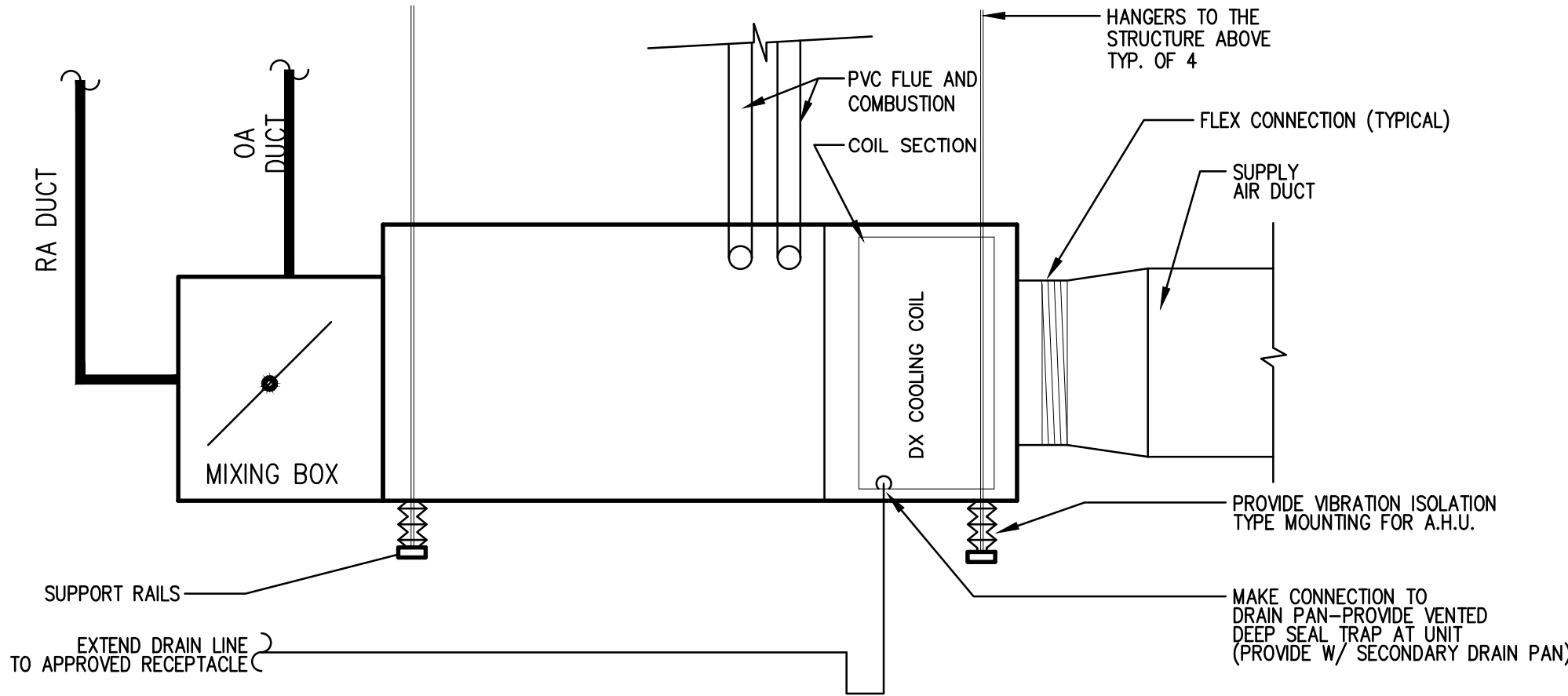


NOTES: PROVIDE ADAPTERS FOR DIFFUSERS WITH SQUARE AND RECTANGULAR NECKS AS REQUIRED.



CONCENTRIC VENT TERMINATION

SCALE: NTS



HORIZONTAL MOUNT FURNACE DETAIL

SCALE: NTS

HVAC LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	NEW TO EXISTING CONNECTION
	THERMOSTAT (CONTROLLER)
	DIRECTION OF AIR FLOW

EXHAUST REQUIREMENTS			
SPACE NAME	SOFT	EXH CFM	OA CFM
WMNS RR	364	300	250
WMNS SHO/LR	263	145	120
TOTAL	627	445	370

SPACE NAME	SOFT	EXH CFM	OA CFM
GYM	352	-	100
MENS LR	377	100	-
MENS RR	306	450	400
MENS SHO	330	80	60
TOTAL	1365	630	560

EXHAUST FAN SCHEDULE (FIRST FLOOR ONLY)									
PLAN MARK	MANUFACTURER	MODEL	TYPE	SP	CFM	FRPM	ELECTRICAL	OPTIONS	NOTES
EF-1	GREENHECK	SQ-100-VG	INLINE	0.5	630	1253	120/1/60 1/4 HP	BACK DRAFT DAMPER ROOF CURB	1,2,3
EF-2	GREENHECK	SQ-90-VG	INLINE	0.375	445	1545	120/1/60 1/10 HP	BACK DRAFT DAMPER ROOF CURB	1,2,3
NOTES: 1. PROVIDE BACKDRAFT DAMPER. 2. RUN CONTINUOUSLY DURING OCCUPIED CYCLE. 3. PROVIDE W/ SPEED CONTROLLER.									

GENERAL MECHANICAL DEMOLITION NOTES:

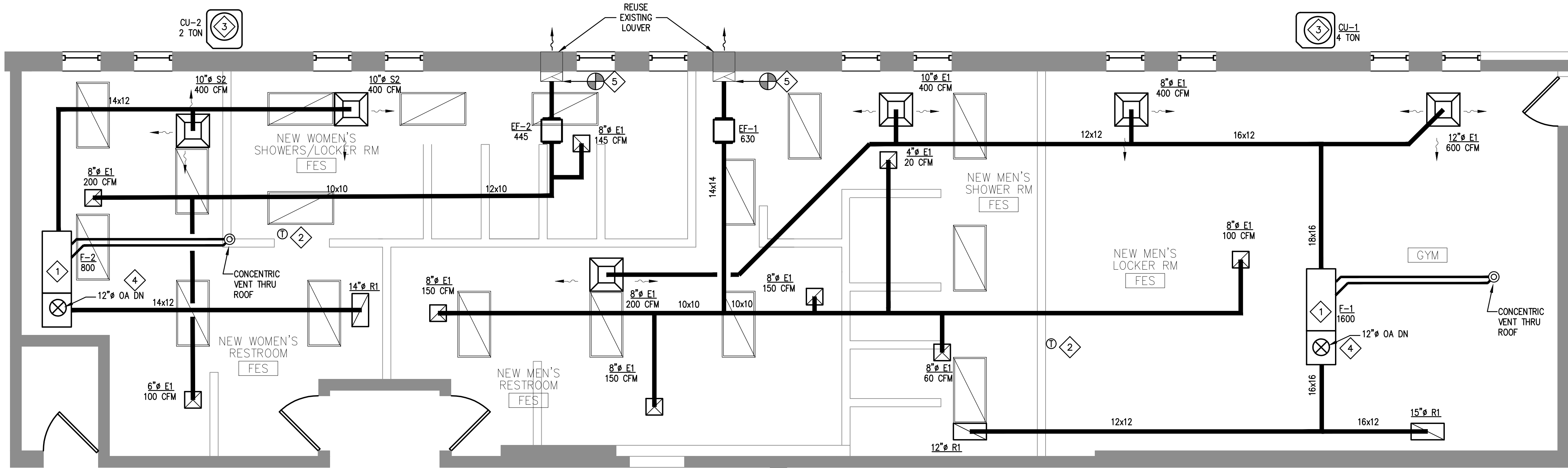
ALL INFORMATION AND WORK SHOWN AS EXISTING WAS TAKEN FROM NOTES OF CURSORY FIELD VISITS WITH OWNER REPRESENTATION AND/OR FROM PAST CONSTRUCTION DOCUMENTS. EQUIPMENT AND DUCTWORK HAVE BEEN SHOWN IN AN APPROXIMATE WAY. NOT ALL ASPECTS SHOWN ON THESE DOCUMENTS MAY NOT BE ABLE TO BE VERIFIED DUE TO SITE CONDITIONS DURING VISIT(S). CONSEQUENTLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL WORK NECESSARY TO RENOVATE, ALTER, CHANGE, AND REPAIR EXISTING SYSTEM(S) BASED UPON THE ACTUAL FIELD CONDITIONS.

THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY UNDERSTAND THE EXISTING EQUIPMENT/ SYSTEMS TO BE REMOVED VS THE EXISTING TO REMAIN AND NEW PROPOSED TO BE INSTALLED. NO UNUSED EQUIPMENT, DUCTWORK AND/OR ACCESSORIES ETC... SHALL BE ABANDONED IN PLACE. THIS INCLUDES ALL RELATIVE EQUIPMENT THAT WAS LOCATED ON BOTH THE LOWER AND UPPER FLOORS, THE PARKING GARAGE BELOW, THE LOADING DOCK AND ASSOCIATED MEZZANINE AREAS. THE CONTRACTOR SHALL VERIFY ANY DEMOLITION OF THE ABOVE IN QUESTION WITH THE LANDLORDS REPRESENTATIVE FOR DIRECTION.

MECHANICAL EQUIPMENT SCHEDULE (FIRST FLOOR ONLY)																									
INDOOR UNIT																OUTDOOR UNIT									
PLAN MARK	MANUFACTURER	INDOOR UNIT MODEL NUMBERS	TEDB (° F)	TEWB (° F)	SUPPLY AIR (CFM)	EXTERNAL S.P. (IN WC)	MOTOR	VOLTAGE	MCA/MCOP	HEATING CAPACITY IN (MBH)	HEATING CAPACITY OUT (MBH)	AFUE	OUTSIDE AIR (CFM) MIN.	FILTER TYPE	AMBIENT AIR (DEG F)	HEATING STAGE(S)	OPERATING WEIGHT (LBS)	PLAN MARK	CU MODEL NUMBER	TOTAL CLG CAPACITY (MBH)/TON/SEER	CONDENSING UNIT ELEC.	COOLING UNIT (S)	T-STAT TYPE	SHIPPING WEIGHT LBS	NOTES
F-1	TRANE	4TXCC009DS3 / S9V2C080U5PSB	80	67	1600	0.5"	STANDARD	120/1/60	13.9/15	52/80	50.4/77.8	96%	560	THROWAWAY	95	TWO	150	CU-1	4TTR6048N1	47.5/4/16.0	208/1/60/24/40	TWO	ONE PIECE PROGRAM	256	1 - 7
F-2	TRANE	4TXCB006DS3 / S9V2C060U4F5B	80	67	800	0.5"	STANDARD	120/1/60	10.8/15	39/60	37.8/58.2	96%	370	THROWAWAY	95	TWO	122	CU-2	4TTR6024N1	25.2/2/16.0	208/1/60/13.4/20	TWO	ONE PIECE PROGRAM	244	1 - 7
<div>NOTES:</div> <div><div>1. PROVIDE WITH SUPPORT.</div><div>2. TWO STAGE COMPRESSOR WITH VARIABLE SPEED FAN MOTOR.</div><div>3. RUN CONDENSATE LINE TO NEARBY FLOOR DRAIN.</div><div>4. PROVIDE WITH LOW AMBIENT CONTROL.</div><div>5. SUCTION AND LIQUID LINE SIZES AS REQUIRED PER MANUFACTURER RECOMMENDATION.</div><div>6. PROVIDE MANUAL VOLUME DAMPERS FOR RETURN AND O.A. DUCTS.</div><div>7. PROVIDE WITH XL824 CONTROLLER WITH BUILT-IN DEHUMIDIFICATION.</div><div>* REFER TO AIRFLOW SCHEDULE ON THIS SHEET FOR OUTDOOR AIR MINIMUM SET POINT.</div></div>																									

KEYED NOTES

- 1 PROVIDE AND INSTALL FURNACE PART OF SPLIT SYSTEM PER MANUFACTURER'S RECOMMENDATION SUSPENDED FROM STRUCTURE WITH VIBRATION ISOLATORS. REFER TO SCHEDULE ON THIS SHEET. SUSPEND FROM STRUCTURE ABOVE. PROVIDE WITH PRIMARY DRAIN AND DRAIN PAN WITH FLOAT SWITCH PER SECTION 307.2.3 OF THE 2105 IMC. EXTEND CONDENSATE, REFER TO PLUMBING THIS SET FOR LOCATION. ROUTE FURNACE VENT AND COMBUSTION RELIEF THRU ROOF WITH CONCENTRIC VENT KIT. COORDINATE ROUTING AND FINAL LOCATION IN FIELD. MAINTAIN 10' MINIMUM FROM FRESH AIR INTAKES.
- 2 PROVIDE AND INSTALL ONE PIECE PROGRAMMABLE THERMOSTAT, MOUNTED AT 54" A.F.F. PER ADA. COORDINATE LOCATION WITH OTHER ELEMENTS OF WALL. VERIFY EXACT PLACEMENT WITH OWNER.
- 3 CONDENSING UNITS TO BE LOCATED ON CONCRETE PAD AT GRADE. VERIFY EXACT LOCATION WITH CLIENT AND EXTEND REFRIGERANT LINES BASED ON FINAL LENGTH AND ROUTING PER MANUFACTURER'S RECOMMENDATIONS.
- 4 OUTDOOR AIR INTAKE FROM ROOF. PROVIDE RAIN GUARD, INSECT SCREEN AND BACKDRAFT. COORDINATE ROUTING AND LOCATION WITH STRUCTURE. MAINTAIN 10' FROM AND EXHAUST, VENT OR FLUE.
- 5 PROVIDE NEW INLINE FAN AND ASSOCIATED EXHAUST DUCT AND GRILLES. ROUTE DUCT FROM EACH GRILLE TO FANS INLET AND FROM FAN'S OUT TRANSITION TO EXISTING DUCT PRIOR TO WALL PENETRATION. FAN TO BE SUSPENDED FROM CEILING WITH VIBRATION ISOLATORS.



ENLARGED RESTROOM + LOCKER PLAN

SCALE: 1/4" = 1'-0" (24x36)

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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Festus, MO 63439
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Engineering Consultant

OFFICE OF ADMINISTRATION
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Repairs to Int./Ext. Readiness Center,
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ARMY NATIONAL GUARD
2740 State Rd P, Festus, MO 63028

PROJECT # T-2330-01
SITE # 6302
FACILITY # 56377

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE 06/23/2025

CAD DWG FILE: M-HVC-01
DRAWN BY: MHT
CHECKED BY: WJA
DESIGNED BY: MHT

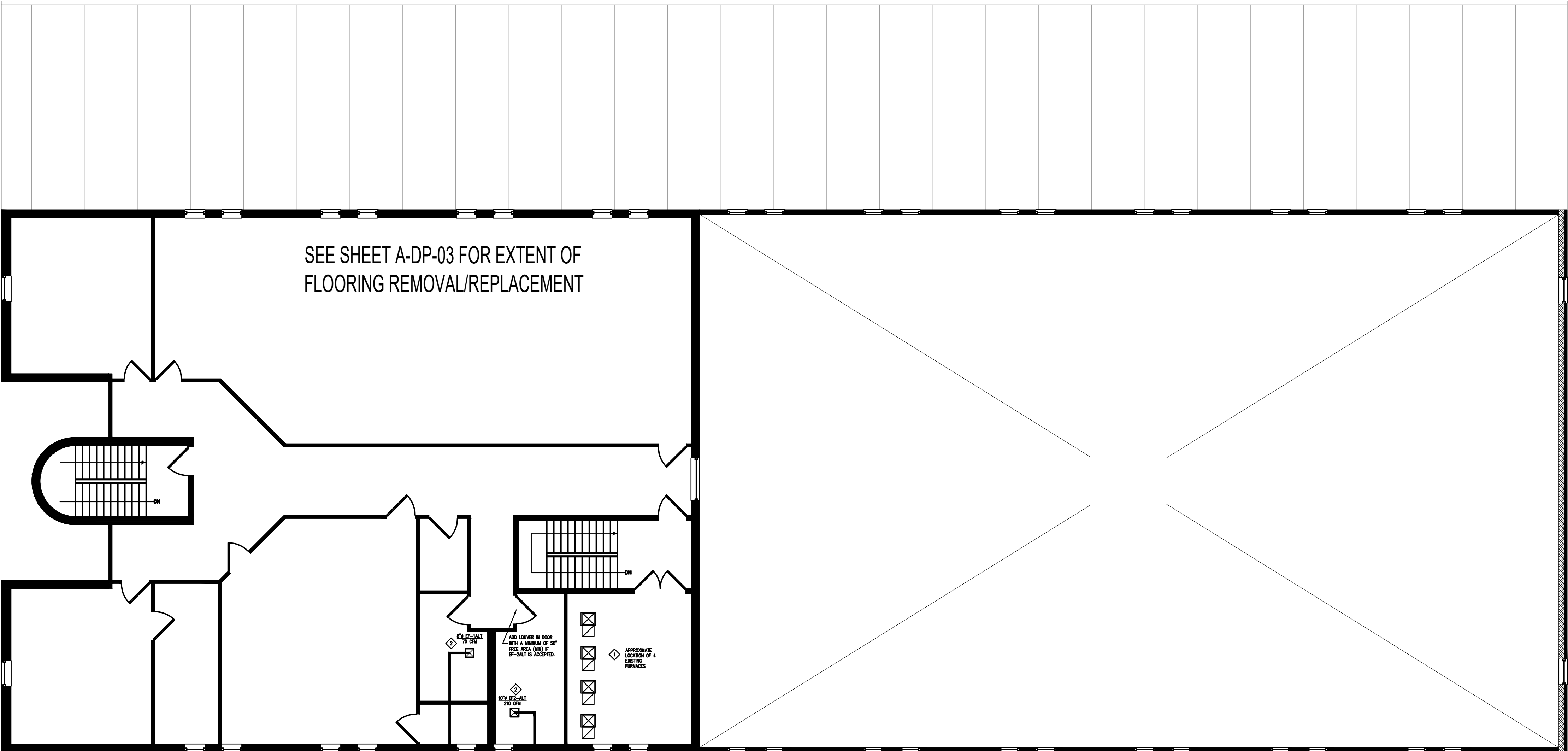
SHEET TITLE:
**MECHANICAL
HVAC
PLAN**

SHEET NUMBER:

M-1

EXHAUST FAN SCHEDULE (ALTERNATE)										
PLAN MARK	MANUFACTURER	MODEL	TYPE	SP	CFM	FRPM	ELECTRICAL		OPTIONS	NOTES
EF-1ALT	GREENHECK	SP-A90	CEILING	0.25	70	857	120/1/60	13 W	BACK DRAFT DAMPER ROOF CURB	1,2,3
EF-2ALT	GREENHECK	SP-A200	INLINE	0.25	210	900	120/1/60	48 W	BACK DRAFT DAMPER ROOF CURB	1,2,3
NOTES: 1. PROVIDE BACKDRAFT DAMPER. 2. VIA OCCUPANCY SWITCH. 3. PROVIDE W/ SPEED CONTROLLER.										

MECHANICAL EQUIPMENT SCHEDULE (ALTERNATE)																									
INDOOR UNIT																	OUTDOOR UNIT								
PLAN MARK	MANUFACTURER	INDOOR UNIT MODEL NUMBERS	TEDB (° F)	TEWB (° F)	SUPPLY AIR (CFM)	EXTERNAL SP (IN WC)	MOTOR	VOLTAGE	MCA/MOCP	HEATING CAPACITY IN (MBH)	HEATING CAPACITY OUT (MBH)	AFUE	OUTSIDE AIR (CFM) MIN.	FILTER TYPE	AMBIENT AIR (DEG F)	HEATING STAGE(S)	OPERATING WEIGHT (LBS)	PLAN MARK	CU MODEL NUMBER	TOTAL CLG CAPACITY (MBH)/TON/SEER	CONDENSING UNIT ELEC.	COOLING STAGE(S)	T-STAT TYPE	SHIPPING WEIGHT LBS	NOTES
F-1, -3	TRANE	4TXCC009DS3 / S9X2C100USPSB	80	67	VERIFY	VERIFY	STANDARD	120/1/60	14.5/15	65/100	63/97	95%	VERIFY	THROWAWAY	95	TWO	155	CU-1, -3	4TTR4048N1	48/4/14	208/1/60//24/40	TWO	ONE PIECE PROGRAM	256	1, 2
F-2	TRANE	4TXCD010DS3 / S9X2D120USPSBA	80	67	VERIFY	VERIFY	STANDARD	120/1/60	14.4/15	78/120	75.6/116.4	95%	VERIFY	THROWAWAY	95	TWO	156	CU-2	4TTR4060N1	60/5/14	208/1/60//34/60	TWO	ONE PIECE PROGRAM	277	1, 2
F-4	TRANE	4TXCC007DS3 / S9X2C080USPSBA	80	67	VERIFY	VERIFY	STANDARD	120/1/60	14.4/15	52/80	50.4/77.6	95%	VERIFY	THROWAWAY	95	TWO	139	CU-4	4TTR4036N1	36/3/14	208/1/60//18/30	TWO	ONE PIECE PROGRAM	156	1, 2
NOTES: 1 BASIS FOR BIDDING. EXISTING UNIT UNITS TO BE VERIFIED PRIOR TO REPLACEMENT IF ALTERNATE IS ACCEPTED. 2 IF ALTERNATE IS ACCEPTED, COORDINATE WITH ELECTRICAL AND GAS REQUIREMENTS AFTER FINAL SELECTIONS ARE MADE.																									

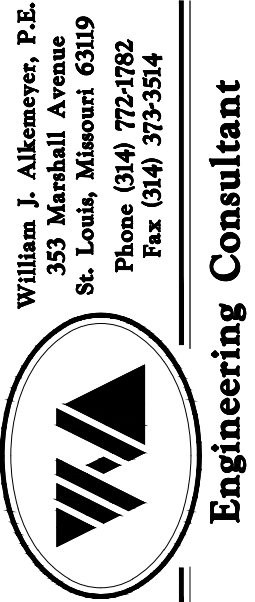


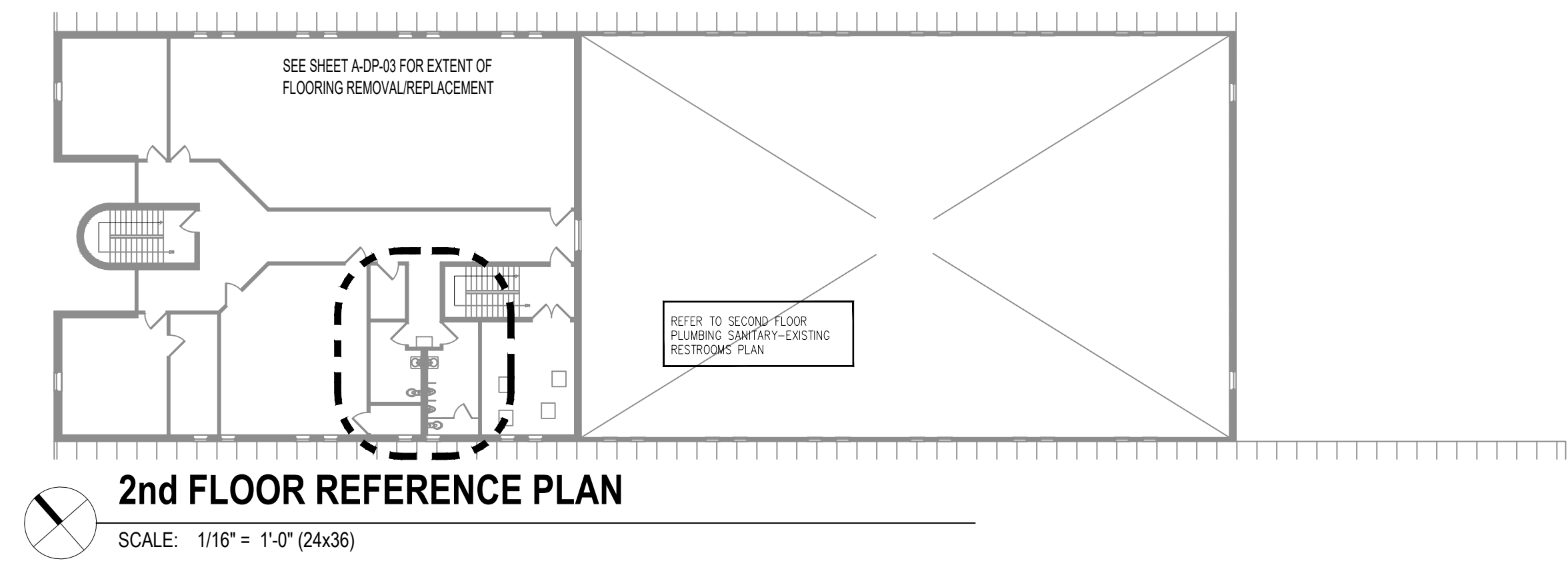
KEYED NOTES

- 1

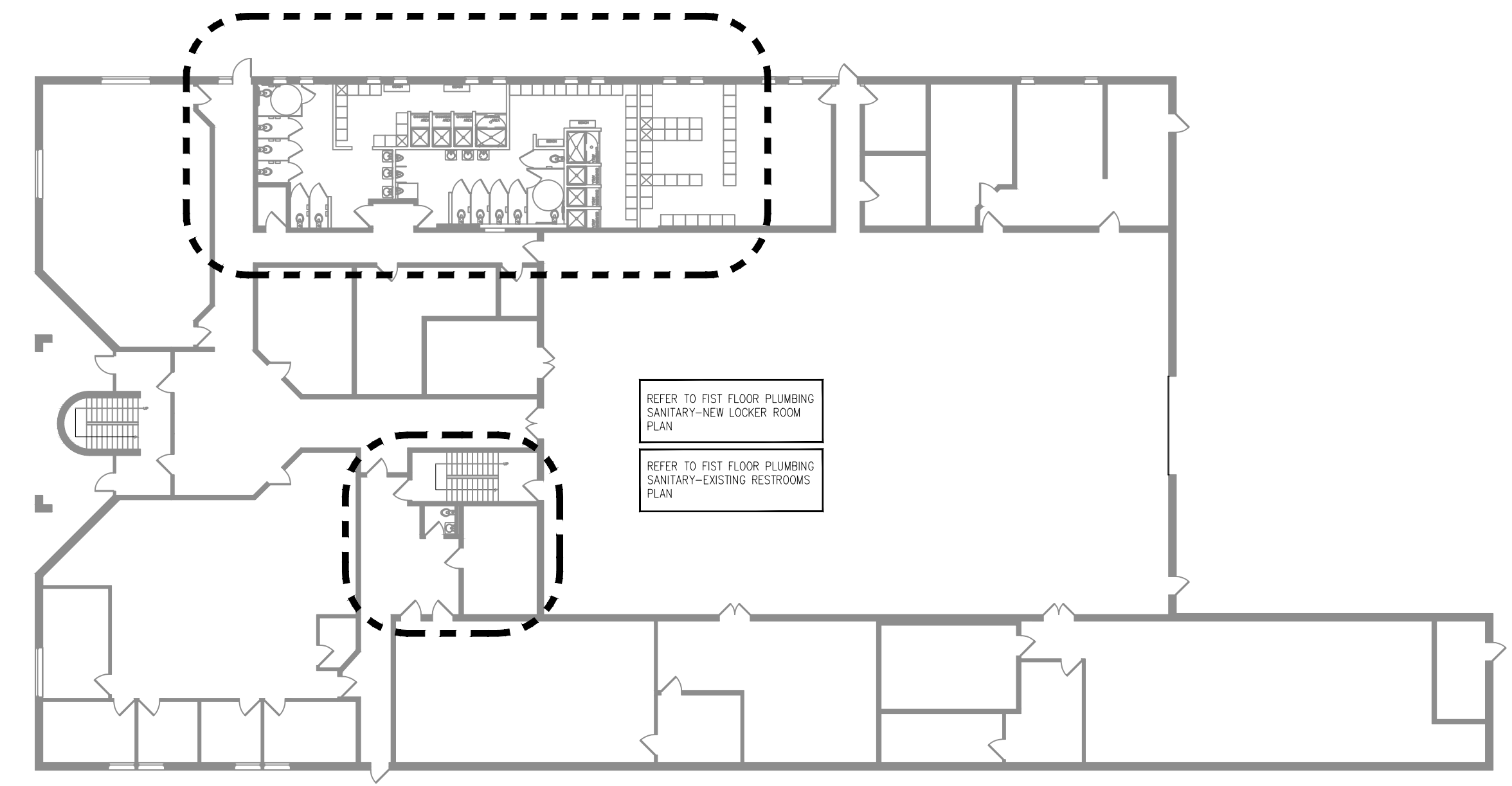
ALTERNATE #1 REPLACE 4 FURNACES AND ASSOCIATED CONDENSING UNITS (NOT SHOWN) PART OF SPLIT SYSTEM PER MANUFACTURER'S RECOMMENDATION PROVIDE WITH PRIMARY DRAIN AND DRAIN PAN WITH FLOAT SWITCH PER SECTION 307.2.3 OF THE 2105 IMC. EXTEND CONDENSATE TO APPROVED RECEPTACLE. ROUTE VENT AND COMBUSTION RELIEF THRU ROOF WITH CONCENTRIC VENT KIT (MODIFY OPENING) AS REQUIRED. COORDINATE ROUTING AND FINAL LOCATION IN FIELD. MAINTAIN 10' MINIMUM FROM FRESH AIR INTAKES. VERIFY OA REQUIREMENTS AND ENSURE OA REQUIREMENTS ARE MAINTAINED. CONDENSING UNITS TO BE LOCATED ON CONCRETE PAD AT GRADE AT SAME LOCATION AS EXISTING. VERIFY EXACT LOCATION WITH CLIENT AND EXTEND REFRIGERANT LINES BASED ON FINAL LENGTH AND ROUTING PER MANUFACTURER'S RECOMMENDATIONS.
- 2

PROVIDE AN ALTERNATE TO PROVIDE AND INSTALL NEW CEILING MOUNTED EXHAUST FAN AND EXHAUST DUCT. ROUTE DUCT FROM FAN'S OUTLET THRU EXISTING WALL.

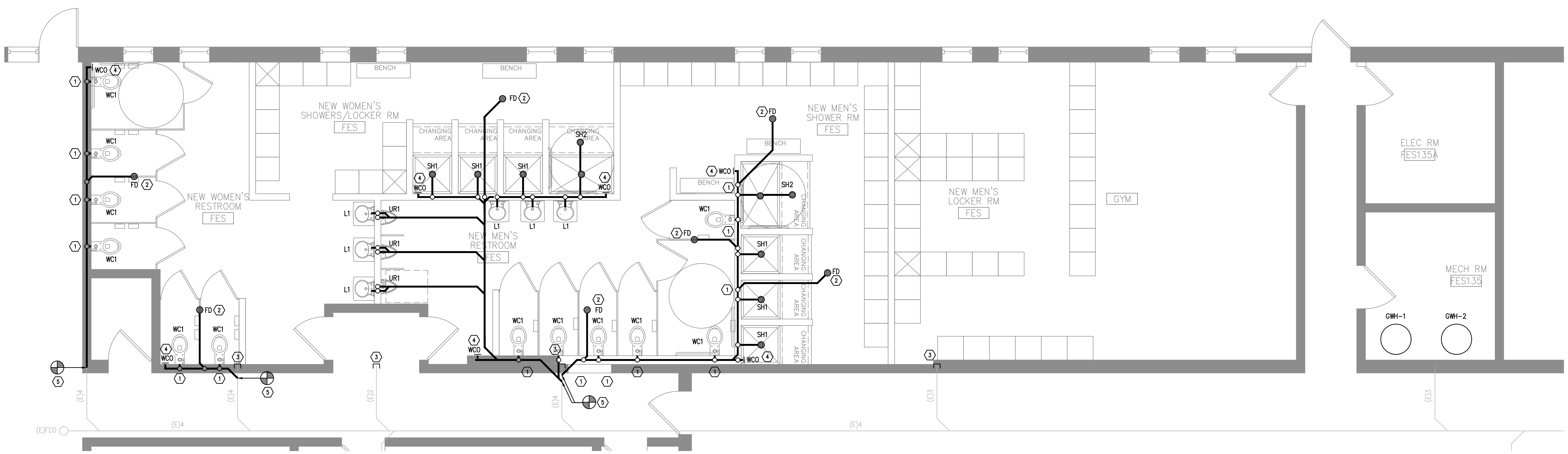




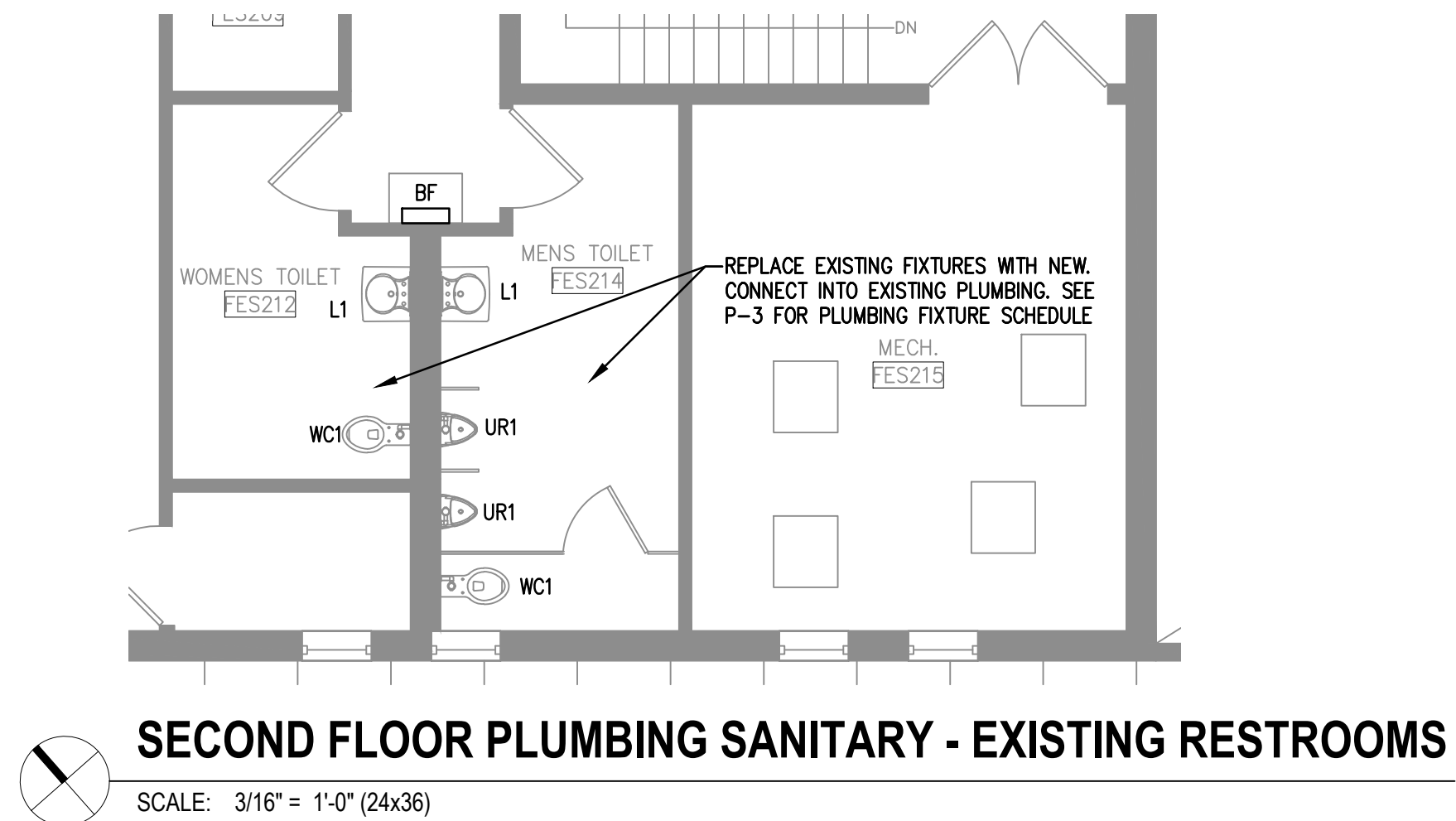
2nd FLOOR REFERENCE PLAN
SCALE: 1/16" = 1'-0" (24x36)



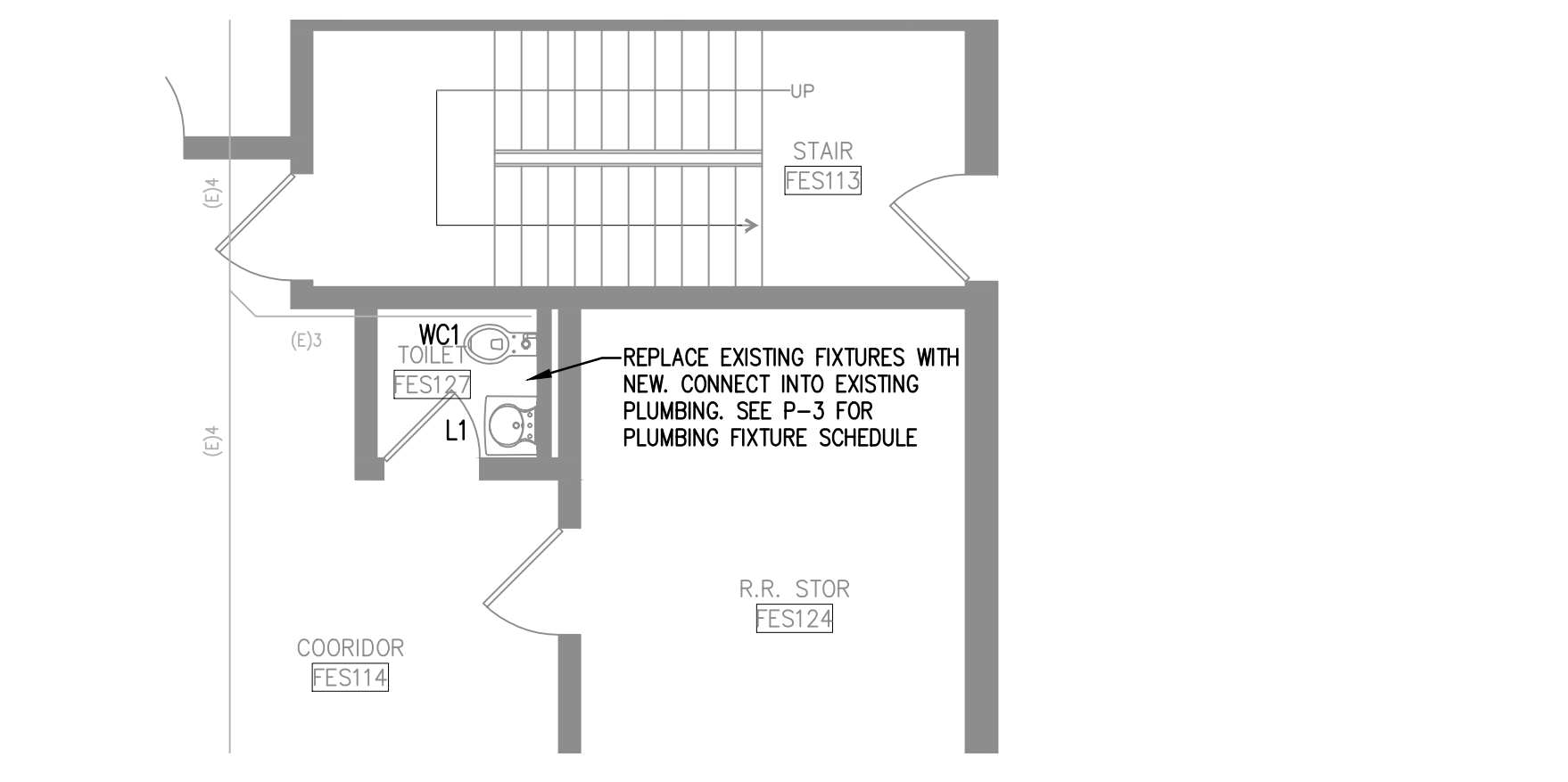
1st FLOOR REFERENCE PLAN
SCALE: 1/16" = 1'-0" (24x36)



FIRST FLOOR PLUMBING SANITARY - NEW LOCKER ROOM PLAN
SCALE: 1/4" = 1'-0" (24x36)



SECOND FLOOR PLUMBING SANITARY - EXISTING RESTROOMS
SCALE: 3/16" = 1'-0" (24x36)



FIRST FLOOR PLUMBING SANITARY - EXISTING RESTROOM
SCALE: 3/16" = 1'-0" (24x36)

- LINE TYPES:
- COLD WATER PIPING
 - 110 DEG HOT WATER PIPING
 - SANITARY PIPING
 - VENT PIPING
- EXISTING PIPING SHOWN IN A LIGHTER SHADE.

- GENERAL NOTES :
- ALL PLUMBING WORK SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE LOCAL PLUMBING CODE, HEALTH REGULATIONS, AND LOCAL ORDINANCES.
 - THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES, UTILITY TAP FEES, AND INSPECTION FEES AS REQUIRED.
 - THE CONTRACTOR SHALL COORDINATE THE LOCATION OF FLOOR DRAINS, HUB DRAINS AND CONNECTION POINTS WITH THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
 - PROVIDE INSULATION ON ALL EQUIPMENT CONDENSATE DRAIN LINES.
 - REFER TO THE ARCHITECTURAL PLANS FOR FIRE STOPPING REQUIREMENTS.

- KEYED NOTES:
- MAKE CONNECTION TO EXISTING BUILDING VENT SYSTEM.
 - 3" FLOOR DRAIN (FD) W/ TRAP PRIMER.
 - CAP EXISTING SANITARY AND DEMO EXISTING SANITARY BEYOND THIS POINT.
 - 4" WALL CLEANOUT TEE WITH CLEANOUT COVER AND RETAINING SCREW.
 - MAKE CONNECTION TO EXISTING 4" SEWER INSIDE THE PREMISES.

- PLUMBING DEMOLITION NOTES
- REMOVE ALL UNUSED, ABOVE FLOOR PIPING AND ACCESSORIES AND HANGERS COMPLETELY TO A POINT JUST BEYOND THE DEMISING PARTITIONS - CAP OFF AS INSTRUCTED BY LANDLORD.
 - REMOVE UNUSED FLOOR DRAINS FROM SLAB AND PLUG WASTE ROUGH-IN AT A POINT BELOW THE SLAB WITH GAS-TIGHT PLUG. BELOW SLAB WASTE PIPING SHALL BE ABANDONED IN PLACE. TAG ALL ABANDONED PIPING PER LANDLORD'S REQUIREMENTS
 - FLOOR PENETRATION SHALL BE PATCHED PER LANDLORD'S REQUIREMENTS AND FINISHED TO RECEIVE NEW FLOOR FINISH
 - REMOVE WASTE ROUGH-IN TO A POINT BELOW THE SLAB AND PLUG WASTE LINE WITH A GAS-TIGHT PLUG. BELOW SLAB WASTE PIPING SHALL BE ABANDONED IN PLACE. TAG ALL ABANDONED PIPING PER LANDLORD'S REQUIREMENTS
 - FLOOR PENETRATION SHALL BE PATCHED PER LANDLORD'S REQUIREMENTS AND FINISHED TO RECEIVE NEW FLOOR FINISH
 - REMOVE ALL UNUSED VENT(S)-THRU-ROOF COMPLETELY AND PATCH PER LANDLORD'S REQUIREMENTS



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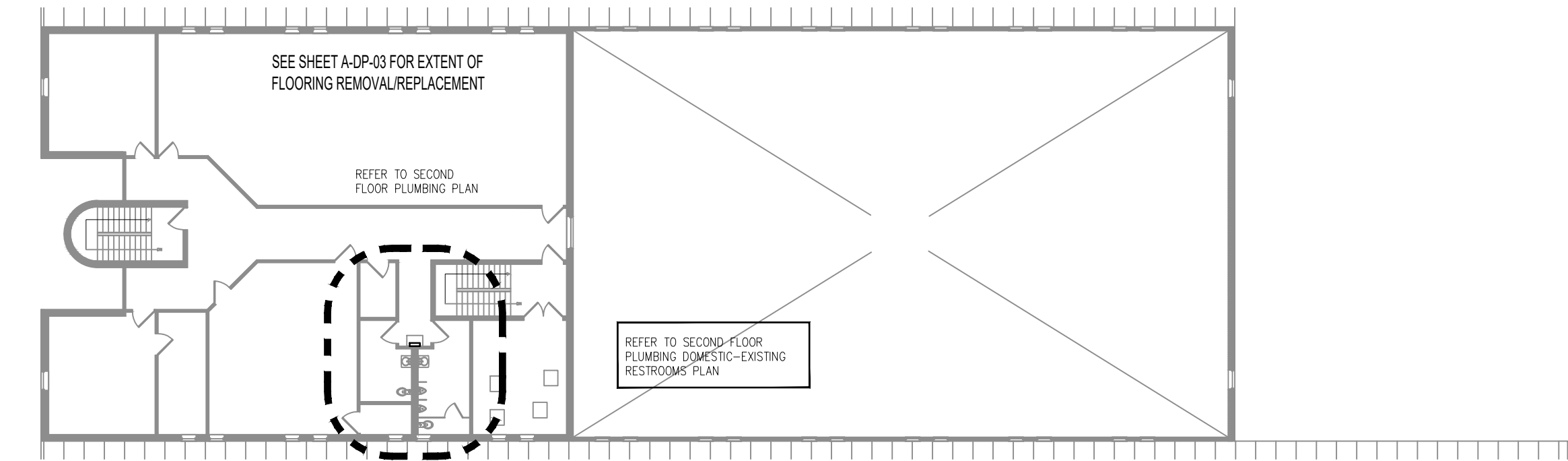
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SITE # 6302
FACILITY # 56377

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ISSUE DATE 06/23/2025

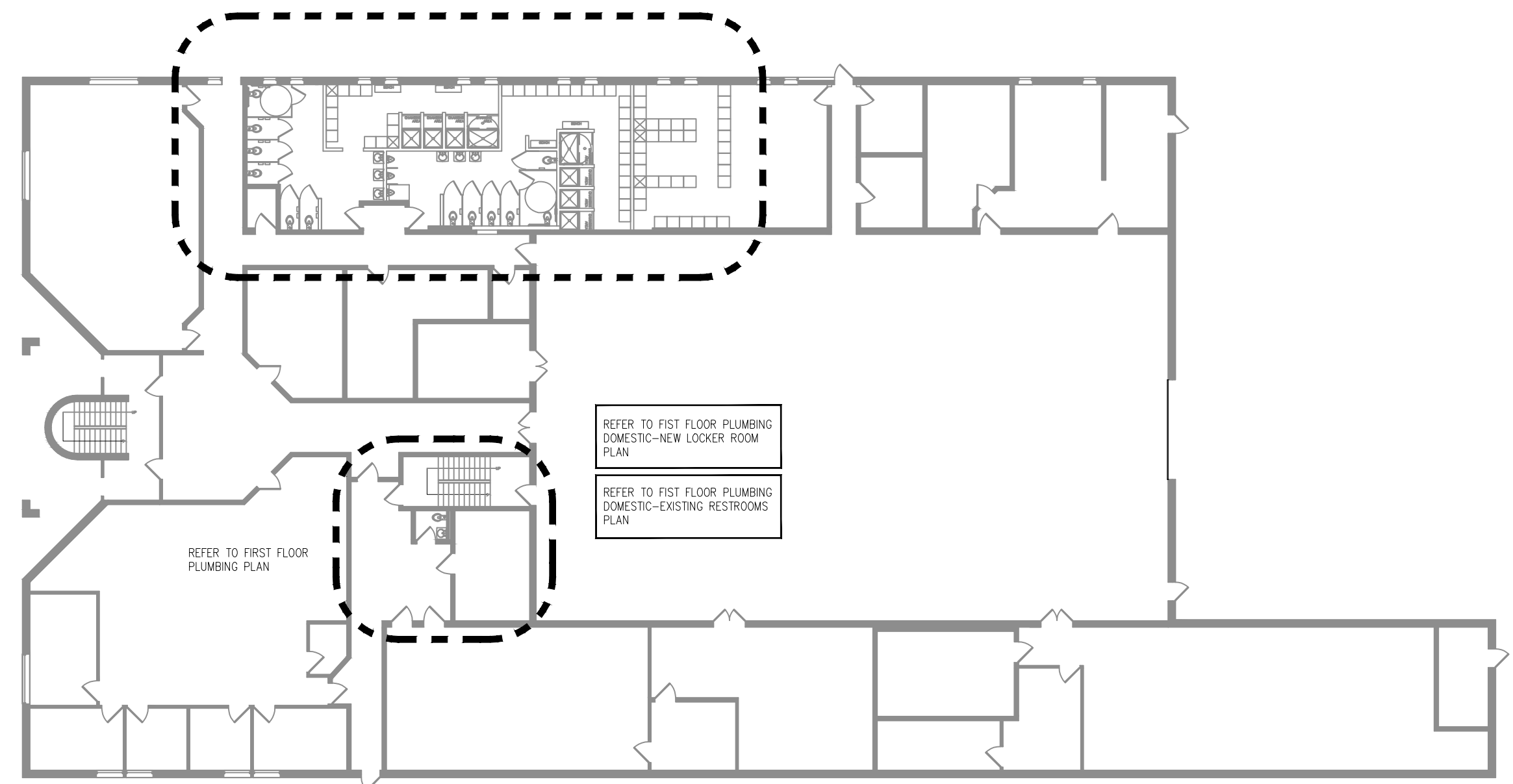
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DESIGNED BY: MEW

SHEET TITLE:
**PLUMBING
SANITARY
PLAN**

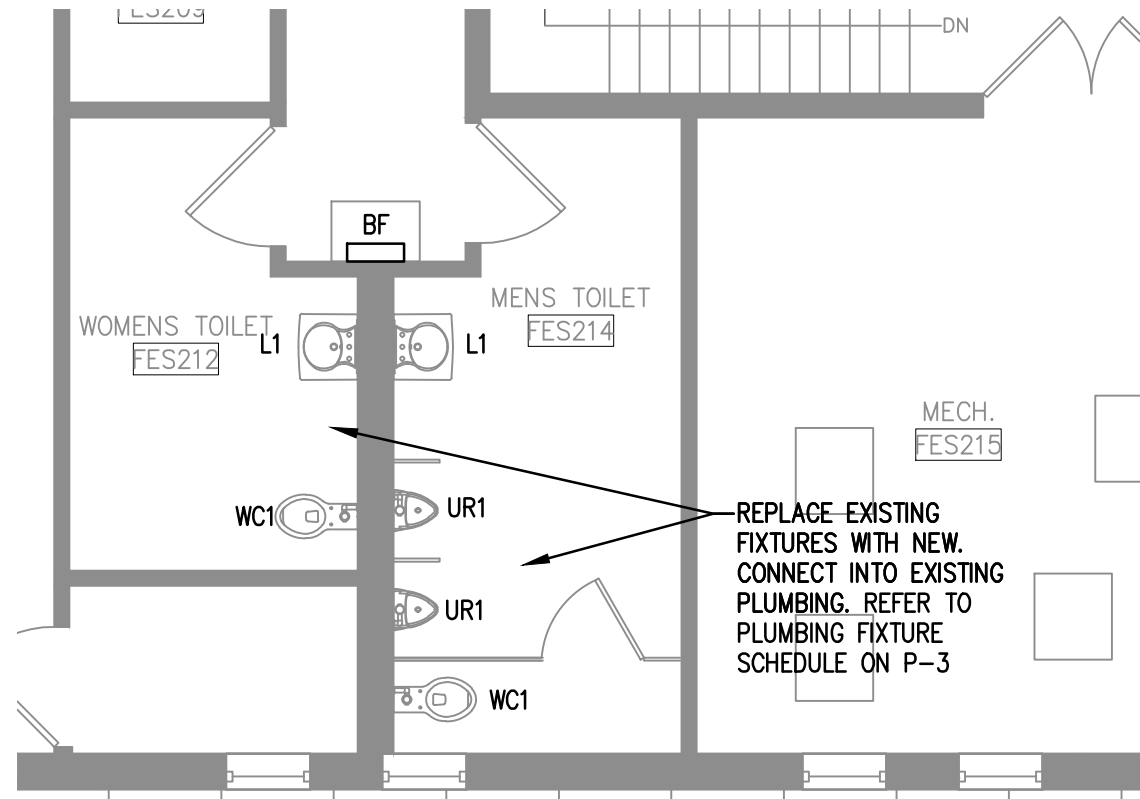
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P-1



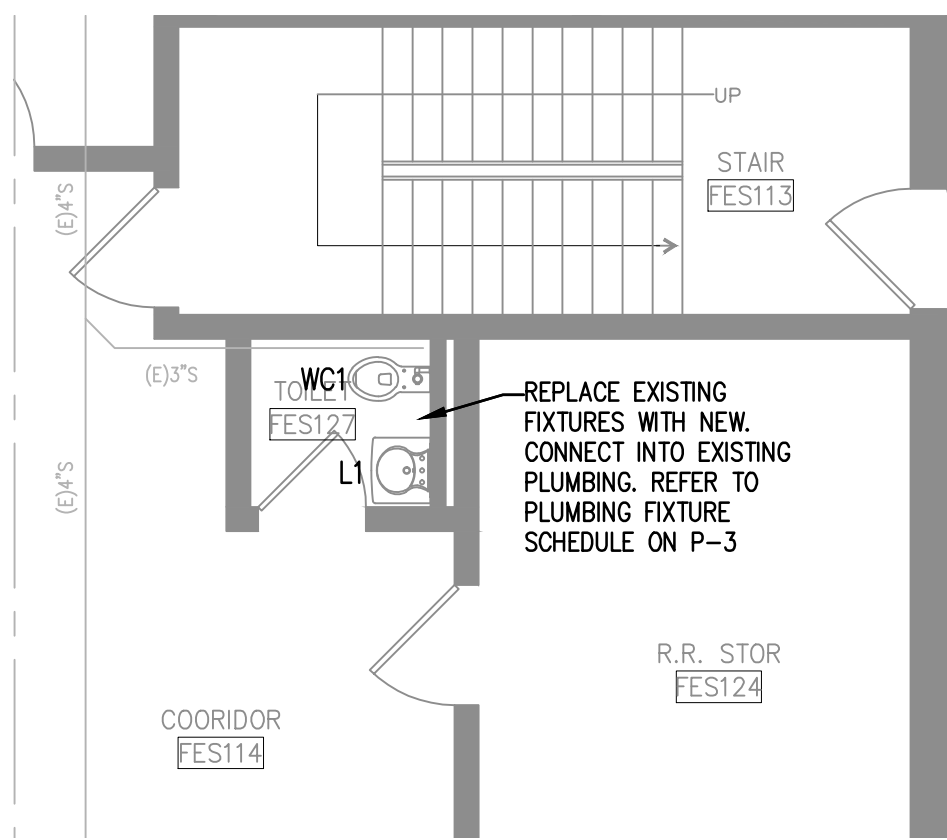
 **2nd FLOOR REFERENCE PLAN**
SCALE: 1/16" = 1'-0" (24x36)



 **1st FLOOR REFERENCE PLAN**
SCALE: 1/16" = 1'-0" (24x36)



 **SECOND FLOOR PLUMBING DOMESTIC - EXISTING RESTROOMS**
SCALE: 3/16" = 1'-0" (24x36)



 **FIRST FLOOR PLUMBING DOMESTIC - EXISTING RESTROOM**
SCALE: 3/16" = 1'-0" (24x36)

LINE TYPES:

- COLD WATER PIPING
- HOT WATER PIPING
- SANITARY PIPING
- VENT PIPING
- GAS

EXISTING PIPING SHOWN IN A LIGHTER SHADE.

GENERAL NOTES :

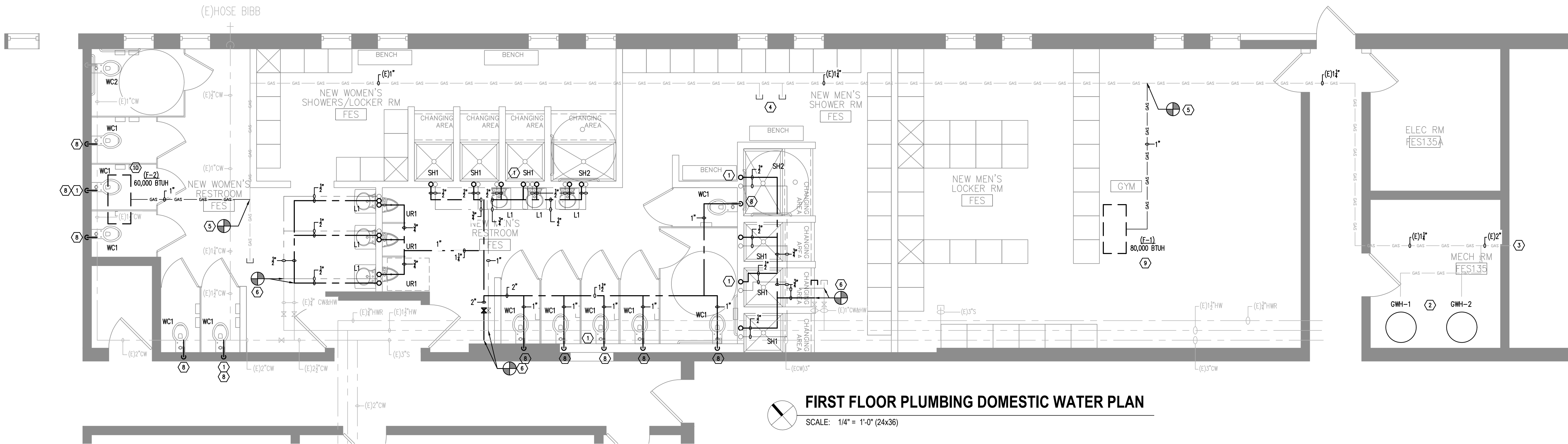
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- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES, UTILITY TAP FEES, AND INSPECTION FEES AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF FLOOR DRAINS, HUB DRAINS AND CONNECTION POINTS WITH THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
- PROVIDE INSULATION ON ALL COLD WATER PIPING, HOT WATER PIPING AND HOT WATER RETURN PIPING.
- REFER TO THE ARCHITECTURAL PLANS FOR FIRE STOPPING REQUIREMENTS.

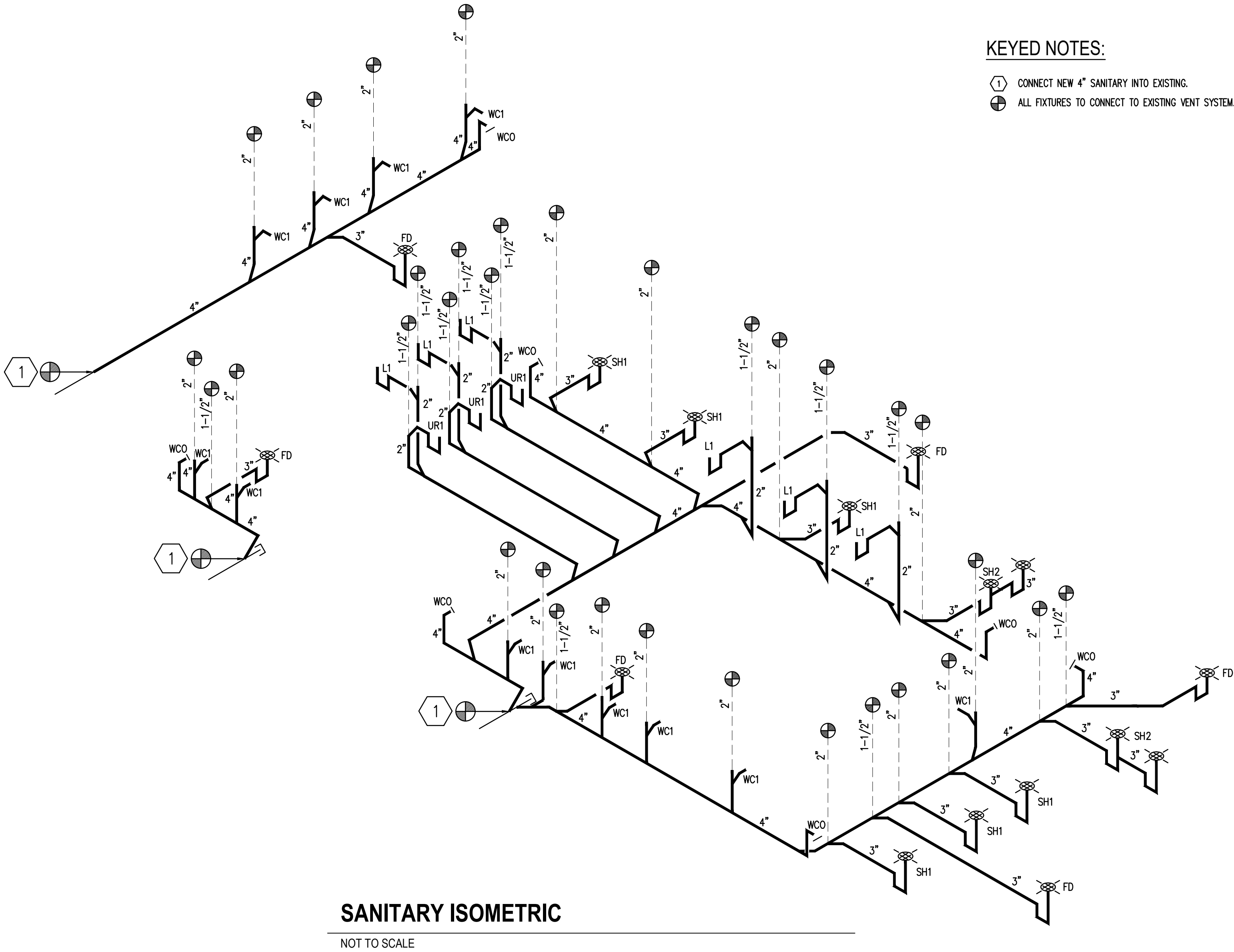
KEYED NOTES:

- 1/2" CW FOR FLOOR DRAIN TRAP PRIMER.
- EXISTING GAS WATER HEATERS TO BE REPLACED WITH IDENTICAL NEW GAS WATER HEATERS. CONNECT INTO EXISTING GAS PIPING, COLD WATER, HOT WATER AND HOT WATER RECIRCULATION PIPING. INSTALL PER MANUFACTURERS INSTALLATION REQUIREMENTS AND CODE. VERIFY AND MATCH EXISTING WATER HEATER OUTPUT TEMPERATURE. PROVIDE ANY MIXING VALVES AND/OR APPURTENANCES AS NECESSARY TO SERVE EXISTING FIXTURES NOT SHOWN.
- EXISTING GAS PIPING FROM EXISTING GAS METER.
- CAP EXISTING GAS PIPING.
- CONNECT NEW GAS PIPE INTO EXISTING GAS PIPE.
- CONNECT NEW COLD WATER AND NEW HOT WATER INTO EXISTING.
- PROVIDE THERMOSTATIC MIXING VALVE AT ALL SHOWERS AND LAVATORIES.
- CONNECT NEW 1" CW INTO EXISTING CW PIPE.
- NEW F-1 @ 60,000 BTUH TO REPLACE EXISTING UH-2 @ 60,000 BTUH AND EXISTING UH-3 @ 60,000 BTUH. NEW F-1 IS LOCATED 200' FROM EXISTING GAS METER.
- NEW F-2 @ 60,000 BTUH TO REPLACE EXISTING UH-1 @ 30,000 BTUH. NEW F-2 IS LOCATED 100' FROM EXISTING GAS METER.

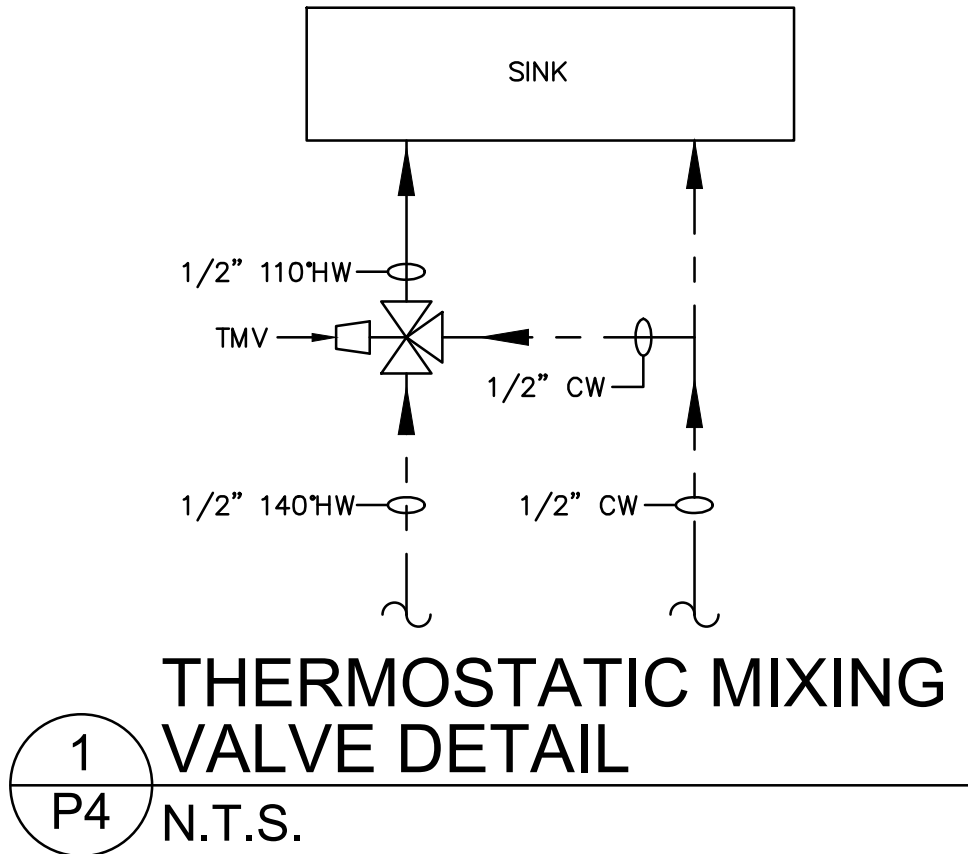
PLUMBING DEMOLITION NOTES

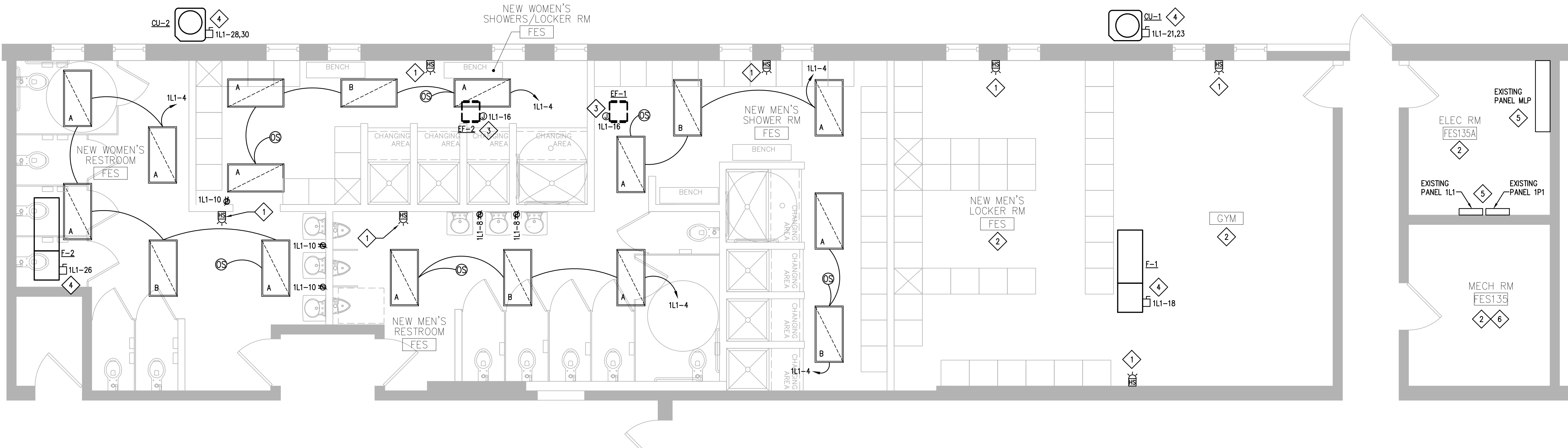
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- REMOVE UNUSED FLOOR DRAINS FROM SLAB AND PLUG WASTE ROUGH-IN AT A POINT BELOW THE SLAB WITH GAS-TIGHT PLUG. BELOW SLAB WASTE PIPING SHALL BE ABANDONED IN PLACE. TAG ALL ABANDONED PIPING PER LANDLORD'S REQUIREMENTS
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- REMOVE WASTE ROUGH-IN TO A POINT BELOW THE SLAB AND PLUG WASTE LINE WITH A GAS-TIGHT PLUG. BELOW SLAB WASTE PIPING SHALL BE ABANDONED IN PLACE. TAG ALL ABANDONED PIPING PER LANDLORD'S REQUIREMENTS
- FLOOR PENETRATION SHALL BE PATCHED PER LANDLORD'S REQUIREMENTS AND FINISHED TO RECEIVE NEW FLOOR FINISH
- REMOVE ALL UNUSED VENT(S)-THRU-ROOF COMPLETELY AND PATCH PER LANDLORD'S REQUIREMENTS





PLUMBING FIXTURE/EQUIPMENT SCHEDULE	
EQ. TAG	SPECIFICATION
WC1	KOHLER MODEL # K-4325-0 VITREOUS CHINA ELONGATED TOILET, ADA COMPLIANT, WHITE, OPEN-FRONT SEAT, SLOAN ROYAL 111 ESS-1.28-BN-OR-HW W/ OPTIMA EL-1500-L SENSOR.
UR1	TOTO MODEL # UT104EV WHITE VITREOUS CHINA LOW CONSUMPTION WASHOUT URINAL WITH TEU2UA12#SS, INTEGRAL VACUUM BREAKER, 3/4" CW CONNECTION, 0.125 GPF.
L1	KOHLER MODEL # K-2602-SU SINGLE COMPARTMENT STAINLESS ADA OVAL. SUPPLY WITH FAUCET - KOHLER MODEL # EAF-100-ISM
BF	ELKAY MODEL # LZWSM, ELECTRONIC BOTTLE FILLING STATION. 115/1/60, NON-REFRIGERATED, FILTER OPTION, ADA COMPLIANT
SH1	SUPPLY WITH DELTA MODEL # T17230 MONITOR 17 SERIES SHOWER TRIM, 1.8 GPM MAX SHOWER HEAD. PROVIDE --- STAINLESS STEEL FLOOR DRAIN. PROVIDE TEMPERATURE MIXING VALVE TO PROVIDE 110 DEG. F. TEMPERED WATER. VERIFY EXACT SPECIFICATION AND REQUIREMENTS WITH OWNER.
SH2	ACCESSIBLE CUSTOM BUILT SHOWER. SUPPLY WITH DELTA MODEL #T13H153 UNIVERSAL SHOWER TRIM, AND 1.5 GPM MAX. HAND SHOWER. PROVIDE --- STAINLESS STEEL FLOOR DRAIN. PROVIDE TEMPERATURE MIXING VALVE TO PROVIDE 110 DEG. TEMPERED WATER. VERIFY EXACT REQUIREMENTS WITH OWNER.
FD	SCHLUTER KERDI-DRAIN 4" SQUARE DESIGN (1) E, 3" WASTE OUTLET, WITH TRAP PRIMER
GW1,2	NATURAL GAS HOT WATER HEATER, REPLACE WITH LIKE KIND, 100 GALLON, 255,000 BTU INPUT EACH, PLUMBING CONTRACTOR TO PROVIDE START-UP, AND COMPLETE INSTALLATION OF EACH UNIT IN TOTAL CONFORMANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.





 **FIRST FLOOR ENLARGED RESTROOM ELECTRICAL PLAN**
SCALE: 1/4" = 1'-0" (24x36)

GENERAL NOTES








- COORDINATE FINAL LOCATIONS OF ALL RECEPTACLES WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
- FOLLOW ALL THE LOCAL AMENDMENTS TO THE NATIONAL ELECTRICAL CODE, INCLUDING A GROUNDING CONDUCTOR IN ALL RACEWAYS.
- ALL 15 AND 20 AMP, 125 VOLT ELECTRICAL OUTLETS SHALL COMPLY WITH 2008 NEC 210.8 (B) WHICH REQUIRES RESTROOMS, ROOFS, KITCHENS, AND OUTDOORS TO BE GFI PROTECTED. PROVIDE EITHER INDIVIDUAL GFI DEVICES OR GFI CIRCUIT BREAKERS.
- VERIFY ELECTRICAL REQUIREMENTS, CONNECTIONS, AND EXACT LOCATION OF CONNECTIONS. COORDINATE WITH EQUIPMENT SUPPLIER/CONTRACTOR
- NO INTERIOR TIMECLOCK IS REQUIRED DUE TO ALL INTERIOR LIGHTING BEING CONTROLLED BY OCCUPANCY SENSORS.
- ALL EXIT & EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH A 90 MINUTE (MINIMUM) EMERGENCY BATTERY AND CONNECTED TO THE NEAREST "LOCAL" LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES IN LOCATING DEVICES, WIRING, CONDUIT, AND EQUIPMENT TO AVOID ANY INTERFERENCE.
- ALL WIRING INSTALLED IN RETURN PLENUM SHALL BE UL LISTED FOR PLENUM INSTALLATION OR RUN IN CONDUIT IN ACCORDANCE WITH THE N.E.C.
- CONTRACTOR TO VERIFY ALL SWITCH LOCATIONS WITH OWNER.
- CONTRACTOR TO INSTALL ALL WORK IN STRICT COMPLIANCE WITH LOCAL CODES AND ORDINANCES.
- SEE ARCHITECTURAL SHEETS FOR DEMOLITION WORK AND NOTES.

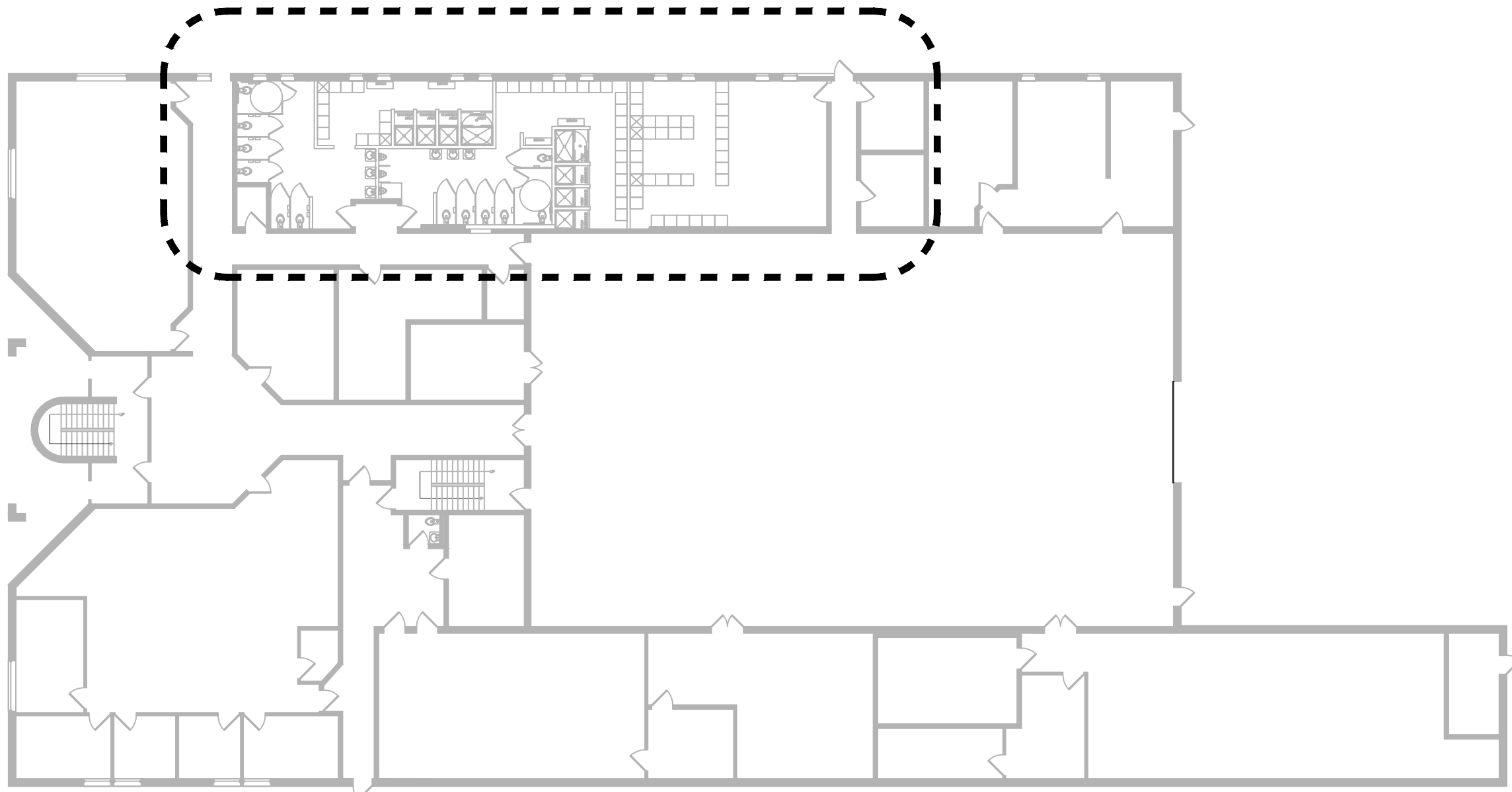
KEYED NOTES


- 1 RELOCATE EXISTING HORN/STROBE DEVICE OR PROVIDE NEW DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM AS REQUIRED. CONNECT TO EXISTING FIRE ALARM SYSTEM. ADDITIONAL DEVICE(S) MAY BE REQUIRED AS DIRECTED BY THE FIRE MARSHAL. FIELD VERIFY REQUIREMENTS.
- 2 EXISTING LIGHTING AND CONTROLS IN THIS ROOM TO REMAIN.
- 3 PROVIDE ROUGH-IN AND FINAL CONNECTION TO EXHAUST FAN. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR.
- 4 PROVIDE ROUGH-IN AND FINAL CONNECTION TO HVAC EQUIPMENT. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR.
- 5 SEE ONE-LINE DIAGRAM AND PANEL SCHEDULES ON SHEET E-2 FOR MORE INFORMATION.
- 6 PROVIDE FINAL CONNECTION TO GAS WATER HEATER CONTROLS IN THIS ROOM. RE-USE EXISTING CIRCUITING FROM DEMOLISHED WATER HEATER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.

LIGHT FIXTURES

- A - METALUX 24RLN-LD5-45-UNV-L840-CD1-U 2' x 4' RECESSED TROFFER LED FIXTURE, 4K COLOR TEMP. 34 WATTS EACH.
- B - METALUX 24RLN-LD5-45-UNV-L840-CD1-U-EL14W 2' x 4' RECESSED TROFFER LED FIXTURE WITH EMERGENCY BATTERY PACK, 4K COLOR TEMP. 48 WATTS EACH.


ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE
	JUNCTION BOX
	DISCONNECT SWITCH
	SINGLE SECTION PANELBOARD
	CIRCUIT HOME RUN
	CEILING MOUNTED OCCUPANCY SENSOR SWITCH
	WALL MOUNTED FIRE ALARM HORN/STROBE DEVICE



 **1st FLOOR REFERENCE PLAN**
SCALE: 1/16" = 1'-0" (24x36)



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SITE # 6302
FACILITY # 56377

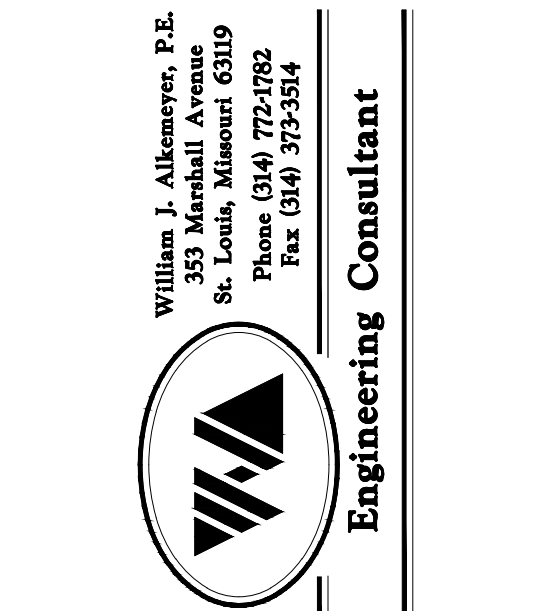
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DATE: _____
ISSUE DATE 06/23/2025

CAD DWG FILE: E-CEL-01
DRAWN BY: PB
CHECKED BY: BS
DESIGNED BY: PB

SHEET TITLE:
**FIRST FLOOR
RESTROOM
ELECTRICAL
PLAN**

SHEET NUMBER:

E-1



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REVISION: _____
DATE: _____
ISSUE DATE 06/23/2025

CAD DWG FILE: E-CEL-02
DRAWN BY: PB
CHECKED BY: BS
DESIGNED BY: PB

SHEET TITLE:
**ONE-LINE
DIAGRAM AND
SPECIFICATIONS**

SHEET NUMBER:

E-2

PANEL 1L1 (EXISTING)							100A MLO	
120/208V - 3PH - 4W - S/N							30 POLE	
CKT. NO.	BRKR. SIZE	SERVICE	LOAD (VA)	PHASE	LOAD (VA)	SERVICE	BRKR. SIZE	CKT. NO.
1	20/1	LIGHTS	1000	A	1000	LIGHTS	20/1	2
3	20/1	EXTERIOR LIGHTS	1000	B	730	NEW RESTROOM LIGHTS	20/1	4
5	20/1	LIGHTS	1000	C	1000	LIGHTS	20/1	6
7	20/1	LIGHTS	1000	A	360	MEN'S RESTROOM RECEPTACLES	20/1	8
9	20/1	RECEPTACLES	720	B	540	WOMEN'S RESTROOM RECEPTACLES	20/1	10
11	20/1	RECEPTACLES	720	C	1000	EAST PARK LIGHTS	20/2	12
13	20/1	WATER COOLER	500	A	1000			14
15	20/1	EAST & SOUTH BLDG LIGHTS	1000	B	260	EF-1, 2	20/1	16
17	20/1	UNIT HEATERS	1500	C	1670	F-1	20/1	18
19	20/1	EXHAUST FAN #10	500	A	-	SPARE	20/1	20
21	40/2	CU-1	2500	B	-	SPARE	20/1	22
23			2500	C	500	POT SINK EXHAUST FAN	20/1	24
25	20/1	PUMP HOUSE HEATER	1500	A	1300	F-2	20/1	26
27	20/1	PUMP HOUSE RECEPTACLES	540	B	1400	CU-2	20/2	28
29	20/1	DISHWASER E.F.	500	C	1400			30
CONNECTED LOAD A:			8160 VA		28640 VA	:TOTAL LOAD		79.5 AMPS
B:			8690 VA		28640 VA	:DEMAND LOAD		79.5 AMPS
C:			11790 VA					

PANEL SCHEDULE NOTES:

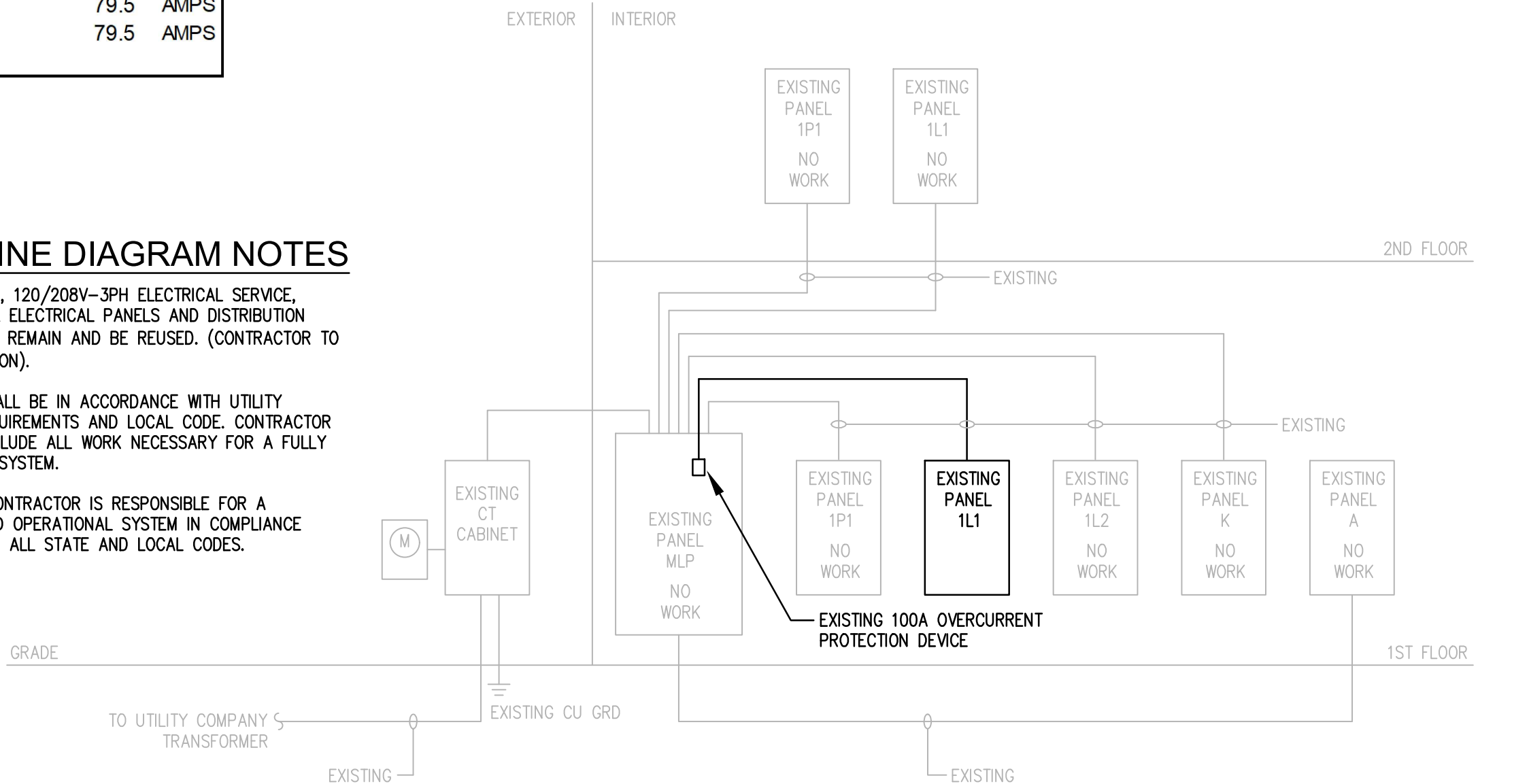
SHADED EQUIPMENT = EXISTING EQUIPMENT AND/OR
CONNECTION TO REMAIN. SHOWN FOR REFERENCE ONLY.

ONE-LINE DIAGRAM NOTES

EXISTING 800A, 120/208V-3PH ELECTRICAL SERVICE,
INCLUDING ALL ELECTRICAL PANELS AND DISTRIBUTION
EQUIPMENT TO REMAIN AND BE REUSED. (CONTRACTOR TO
VERIFY LOCATION).

ALL WORK SHALL BE IN ACCORDANCE WITH UTILITY
COMPANY REQUIREMENTS AND LOCAL CODE. CONTRACTOR
BID SHALL INCLUDE ALL WORK NECESSARY FOR A FULLY
OPERATIONAL SYSTEM.

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A
COMPLETE AND OPERATIONAL SYSTEM IN COMPLIANCE
WITH NEC AND ALL STATE AND LOCAL CODES.



ONE-LINE DIAGRAM

SCALE: NONE

SHADED EQUIPMENT = EXISTING EQUIPMENT AND/OR
CONNECTION TO REMAIN. SHOWN FOR REFERENCE ONLY.