

TOILET ROOM RENOVATIONS FOR: WESTERN HIGH SCHOOL BAY CITY PUBLIC SCHOOLS AUBURN, MICHIGAN

CONTACTS

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CONSTRUCTION MANAGER:

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DRAWING INDEX

TS TITLE SHEET & DRAWING INDEX

ARCHITECTURAL

A0.01 SYMBOLS, LOCATION, ABBREVIATIONS & MOUNTING HEIGHTS

A2.01 LOWER LEVEL MASTER PLAN

A2.02 FIRST FLOOR MASTER PLAN

A2.03 SECOND FLOOR MASTER PLAN

A2.11 ENLARGED DEMOLITION PLANS

A2.12 ENLARGED DEMOLITION PLANS

A2.21 ENLARGED PLANS

A2.22 ENLARGED PLANS

A9.01 LOWER LEVEL REFLECTED CEILING MASTER PLAN

A9.02 FIRST FLOOR REFLECTED CEILING MASTER PLAN

A9.03 SECOND FLOOR REFLECTED CEILING MASTER PLAN

A9.31 ENLARGED REFLECTED CEILING PLANS

A9.32 ENLARGED REFLECTED CEILING PLANS

MECHANICAL

M1.01 ENLARGED PLANS MECHANICAL DEMOLITION

M1.02 ENLARGED PLANS MECHANICAL DEMOLITION

M2.01 ENLARGED PLANS MECHANICAL REVISED

M2.02 ENLARGED PLANS MECHANICAL REVISED

M3.01 MECHANICAL SCHEDULES AND DETAILS

ELECTRICAL

E1.01 ENLARGED PLANS ELECTRICAL DEMOLITION

E1.02 ENLARGED PLANS ELECTRICAL DEMOLITION

E2.01 ELECTRICAL PLANS

E2.02 ENLARGED PLANS ELECTRICAL REVISED

E2.03 ENLARGED PLANS ELECTRICAL REVISED

E3.01 NOTES AND SCHEDULES

E4.01 ENLARGED PLANS EMERGENCY PT BY PT'S

E4.02 ENLARGED PLANS EMERGENCY PT BY PT'S

ALTERNATES:

- A. **Alternate No. 1: Acoustical Lay-in Ceilings:**
Base Bid: Remove existing acoustical lay-in ceilings where shown and replace with new.
Alternate: Salvage existing acoustical ceiling tiles for re-installation. Paint ceiling grid in place, reinstall ceiling tiles. Broken or stained tiles to be replaced from Owner's stock.
- B. **Alternate No. 2: Toilet Compartments:**
Base Bid: Provide products manufactured by Scranton Products as specified.
Alternate: Provide products manufactured by one of listed Substitute Manufacturers in panel color and texture to match base bid specified panel.



NO.	REVISION	DATE

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PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**
BAY CITY, MICHIGAN

SHEET TITLE
**TITLE SHEET & DRAWING
INDEX**

PROJECT NUMBER 2019113.33	SHEET NUMBER TS
PROJECT DATE 2024	
CHECKED BY J.A.R.	

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

LOCATION NUMBER GRID

	CONCRETE MASONRY (SECTION & PLAN)		CEMENT BOARD (SECTION)
	CONCRETE MASONRY (SECTION & PLAN)		GROUT
	BRICK MASONRY (SECTION & PLAN)		GYP SUM BOARD (CEILING/ELEVATION)
	CAST STONE (SECTION & PLAN)		GYP SUM BOARD (SECTION)
	STUD WALL (PLAN)		BACKER BOARD
	BATT INSULATION		PARTICLE BOARD & PLYWOOD
	SOUND ATTENUATION BLANKETS/SPRAYED INSUL.		SOLID SURFACE
	RIGID INSULATION & RIGID INSULATION BOARD		CONCRETE
	DIMENSIONAL LUMBER		CONCRETE WALK (PLAN)
	FINISH LUMBER		GRAVEL OR STONE AS INDICATED
	STEEL (SECTION)		COMPACTED SAND FILL
	SUSPENDED CEILING TILE		ENGINEERED FILL
	TILE ON MORTAR BED		MORTAR NET

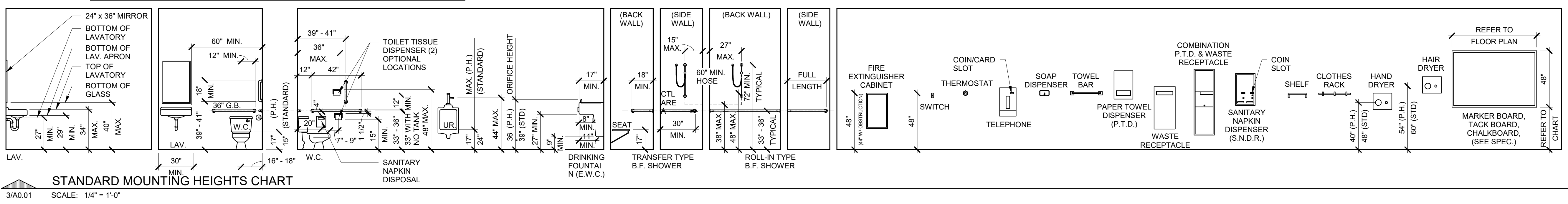
ARCHITECTURAL MATERIAL LEGEND

ABBV.	ABBREVIATIONS	F.R.P./FRP	FIBER REINFORCED POLYESTER	RAD.	RADIUS
A.F.F.	ABOVE FINISHED FLOOR	GA	GAUGE	REFRIG.	REFRIGERATOR
AC	ACoustical	G.TILEGT	GLASS TILE	REIN.	REINFORCEMENT
A.C.P.	ACoustIC CEILING PANEL	G.B.	GRAB BAR	REQ'D	REQUIRED
A.C.T.	ACoustIC CEILING TILE	GYP. BD.	GYP SUM BOARD	R.W.B./RWB	RESILIENT WALL BASE
A.R.P.	ACRYLIC RESIN PANEL	H.W.D.	HARDWOOD	R.S.F./RSF	RESILIENT SHEET FLOORING
ADZL	ADDITIONAL	H.M.HM	HOLLOW METAL	R.F./RTF	ROUGH OPENING
ADJ.	ADJUSTABLE	H.B.	HORIZONTAL HOSE BIB	R.O.	ROUGH OPENING
ALT.	ALTERNATE	I.D.A./I.D.	INSIDE DIAMETER	S.A.T.	SUSPENDED ACoustICAL TILE
ALUM.	ALUMINUM	I.F.BL	INSIDE FACE OF BLOCK	S.F.GL.	SAFETY GLAZING
AND.	AND/ZE	I.F.BR.	INSIDE FACE OF BRICK	SF.GL.	SAFETY GLAZING
APPROX.	APPROXIMATE	INSUL.	INSULATION	S.N.D.R.	SANITARY NAPKIN DISPENSER
ARCH.	ARCHITECTURAL	INT.	INTERIOR	S.N.D.L.	SANITARY NAPKIN DISPOSAL
BKR. BD.	BACKER BOARD	JT.	JOINT	S.O.	SCHEDULE
BKG	BEARING	L.A.M./L.A.M.	LAMINATED	SCHED.	SCHEDULE
BK(G)	BLOCKING	L.A.V.	LAVATORY (SINK)	SMT.	SMOOTH
BLK	BLOCKING	L.S.F./ASF	LINOLEUM SHEET FLOORING	SMT.	SHEET
BLK(G)	BLOCKING	L.T.F./ATF	LUXURY VINYL TILE FLOORING	SMT.	SHEET
BLK	BLOCKING	L.P.	LOW POINT	S.M.	SIMILAR
BLD.G.	BUILDING	L.V.L./LVT	LUXURY VINYL TILE	SPEC.	SPECIFICATIONS
B.M.	BOTTOM	M.A.M.(E)	MANUFACTURED	S.P.F.	SQUARE FEET
B.O.C.	BOTTOM OF CURB	L.A.M.(E)	LAVATORY (SINK)	S.S.	STAINLESS STEEL
B.O.F.	BOTTOM OF FOOTING	L.A.V.	LAVATORY (SINK)	STD.	STANDARD
B.R.	BRICK	L.S.F./ASF	LINOLEUM SHEET FLOORING	STO. STOR.	STORAGE
B.L.G.	BUILDING	L.T.F./ATF	LUXURY VINYL TILE FLOORING	STR.	STRUCTURE
C.B.	CATCH BASIN	L.P.	LOW POINT	STRUC.	STRUCTURE
C.C.	CEILING	L.V.L./LVT	LUXURY VINYL TILE	SUSP.	SUSPENDED
C.M.T/ECMT	CERAMIC TILE	M.F.R.	MANUFACTURER	T.B.	TACKBOARD
CHD.	CHALKBOARD	M.B.	MARKER BOARD	TEL.	TELEPHONE

ROOM IDENTIFIER:	REFERENCE BUBBLES:	ROOM FINISH TAG:
A100A	1 - LOCATION NUMBER	NO. BASE
OPTIONAL LETTER	7 - SHEET NUMBER	FLOOR
ROOM NUMBER	7 - DETAIL MARK	WALL
GRADE CLUSTER	5 - BUILDING SECTION	REMARK
UNIT LETTER	2 - ENLARGED DETAIL OR PLAN	
DOOR IDENTIFIER:		
A100.1		
DOOR NUMBER		
ROOM NUMBER		
GRADE CLUSTER		
UNIT LETTER		
KEYED NOTES:		
1 - MATERIAL KEYNOTE (HEXAGON w/ NUMBER)		ADDITIONAL IDENTIFIERS:
A - PLUMBING OR EQUIPMENT (HEXAGON w/ LETTER)		F2 - DOOR FRAME TYPE (OVAL w/ "F" AND NUMBER)
1 - PLAN KEYNOTE (SQUARE w/ NUMBER)		D2 - DOOR TYPE (OVAL w/ "D" AND NUMBER)
A - SITE PLAN KEYNOTE (SQUARE w/ LETTER)		W2 - WINDOW TYPE (OVAL w/ "W" AND NUMBER)
RR1 - ROOF PLAN KEYNOTE (SQUARE w/ "R" AND NUMBER)		2.1 - WALL TYPE (DIAMOND w/ NUMBER)
1 - PLAN DEMOLITION KEYNOTE (TRIANGLE w/ NUMBER)		# - ADDENDUM IDENTIFIER (RHOMBUS w/ NUMBER)
A - SITE DEMOLITION KEYNOTE (TRIANGLE w/ LETTER)		# - BULLETIN IDENTIFIER (RHOMBUS w/ NUMBER)
TEXT-X - FLOORING/FINISH KEYNOTE (RECTANGLE w/ TEXT)		# - CHANGE ORDER IDENTIFIER (RHOMBUS w/ NUMBER)
DEMOLITION IDENTIFIER:		
--- ITEM TO BE REMOVED		
ALTERATION CLOUD:		
INDICATES A CHANGE TO THE CONSTRUCTION DOCUMENTS VIA ADDENDUM, BULLETIN, AND CHANGE ORDER		
MATCH LINE:		
MATCH LINE		
INTERIOR ELEVATION IDENTIFIER:		
8/AB.08		
SHEET NUMBER		
LOCATION NUMBER		
ALTERATION IDENTIFIER:		
ALTERNATE NO. 2		

ARCHITECTURAL SYMBOL LEGEND

NOTE: FIXTURES DEPICTED WITHIN THIS SCHEDULE ARE SCHEMATIC ONLY. FOR EXACT FIXTURE TYPES AND QUANTITIES, REFER TO MECHANICAL DRAWINGS AS WELL AS THE SPECIFICATION MANUAL.



MOUNTING HEIGHT CHART	
MARKER BOARD, TACK BOARD, AND CHALKBOARD (CHALK RAIL TO FLOOR)	48"
NURSERY/PRESCHOOL	20"
KINDERGARTEN	24"
1st - 3rd GRADE	30"
4th - 6th GRADE	32"
MIDDLE SCHOOL	36"
HIGH SCHOOL	36"

PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL
BAY CITY PUBLIC SCHOOLS
BAY CITY, MICHIGAN

SHEET TITLE
SYMBOLS, LOCATION, ABBREVIATIONS & MOUNTING HEIGHTS

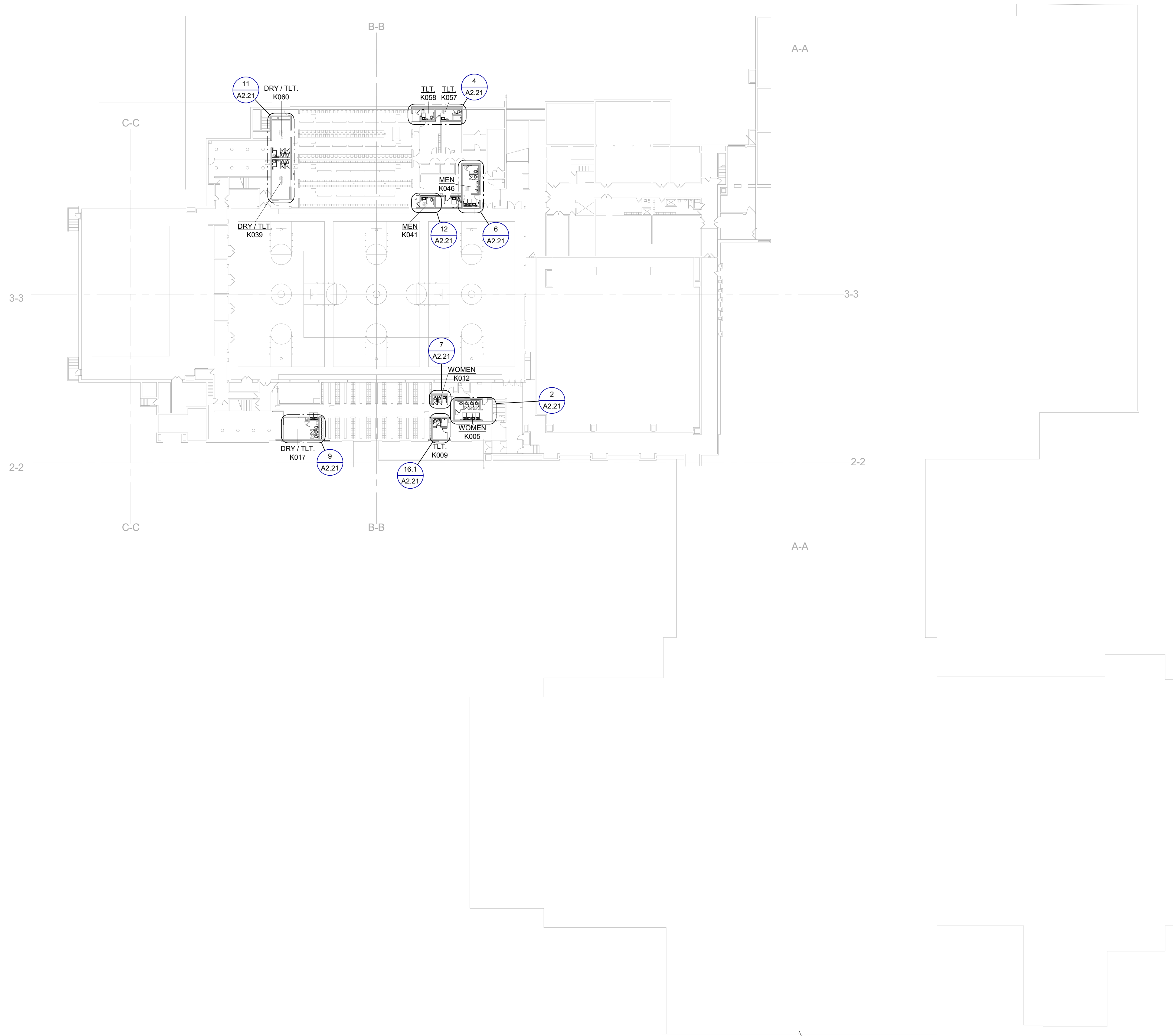
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PLAN GENERAL NOTES:

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE MEP SCOPE.
2. PLAN DIMENSIONS DO NOT INCLUDE WALL THICKNESS.
3. ALL AREAS DAMAGED BY DEMOLITION WORK ARE TO BE PATCHED AND REPAIRED OR REPLACED TO MATCH ADJACENT SURFACES.
4. PATCH AND REPAIR REMAINING WALLS: AT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION POINTS WITH SIMILAR MATERIALS IN SIZE, COLOR AND TEXTURE.
5. PATCH AND REPAIR ALL EXPOSED ANCHOR HOLES AT WALLS, USING EPOXY AT GLAZED CMU AND GROUT AT PAINTED CMU.
6. REFER TO FINISH MATERIAL LEGEND FOR SPECIFIC MANUFACTURER AND COLOR.
7. REFER TO SPECIFICATIONS FOR COMPLETE FINISH INFORMATION.
8. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
9. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
10. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
11. ALL EXISTING PLUMBING FIXTURES TO BE TIGHTENED, AS NEEDED. REF. MECHANICAL.
12. APPLY NEW SEALANT AROUND ALL EXISTING PLUMBING FIXTURES.
13. ALL EXISTING PLUMBING FIXTURES TO REMAIN, UNLESS OTHERWISE NOTED.
14. POWERWASH ALL EXISTING TILE FLOORING.

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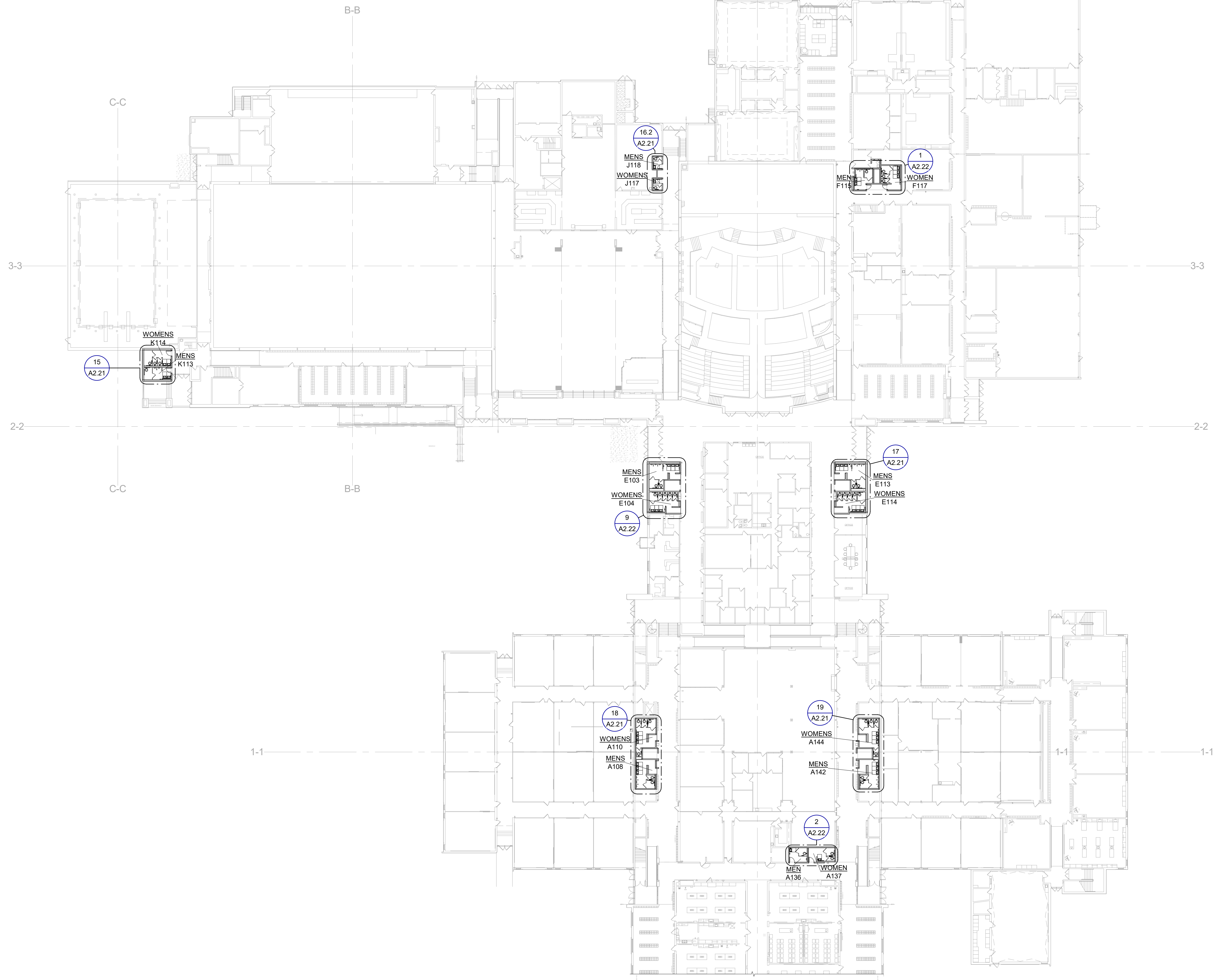


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PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
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 BAY CITY, MICHIGAN

SHEET TITLE
**LOWER LEVEL MASTER
 PLAN**

PROJECT NUMBER 2019113.33	SHEET NUMBER A2.01
PROJECT DATE 2024	
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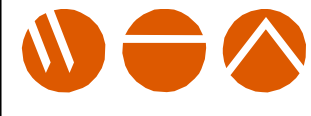


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SHEET TITLE
**FIRST FLOOR MASTER
 PLAN**

PROJECT NUMBER 2019113.33	SHEET NUMBER
PROJECT DATE 2024	A2.02
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 **FIRST FLOOR MASTER PLAN**
 SCALE: 1" = 30'-0"

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SECOND FLOOR MASTER PLAN
 NORTH SCALE: 1" = 30'-0"

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 BAY CITY, MICHIGAN

SHEET TITLE
**SECOND FLOOR MASTER
 PLAN**

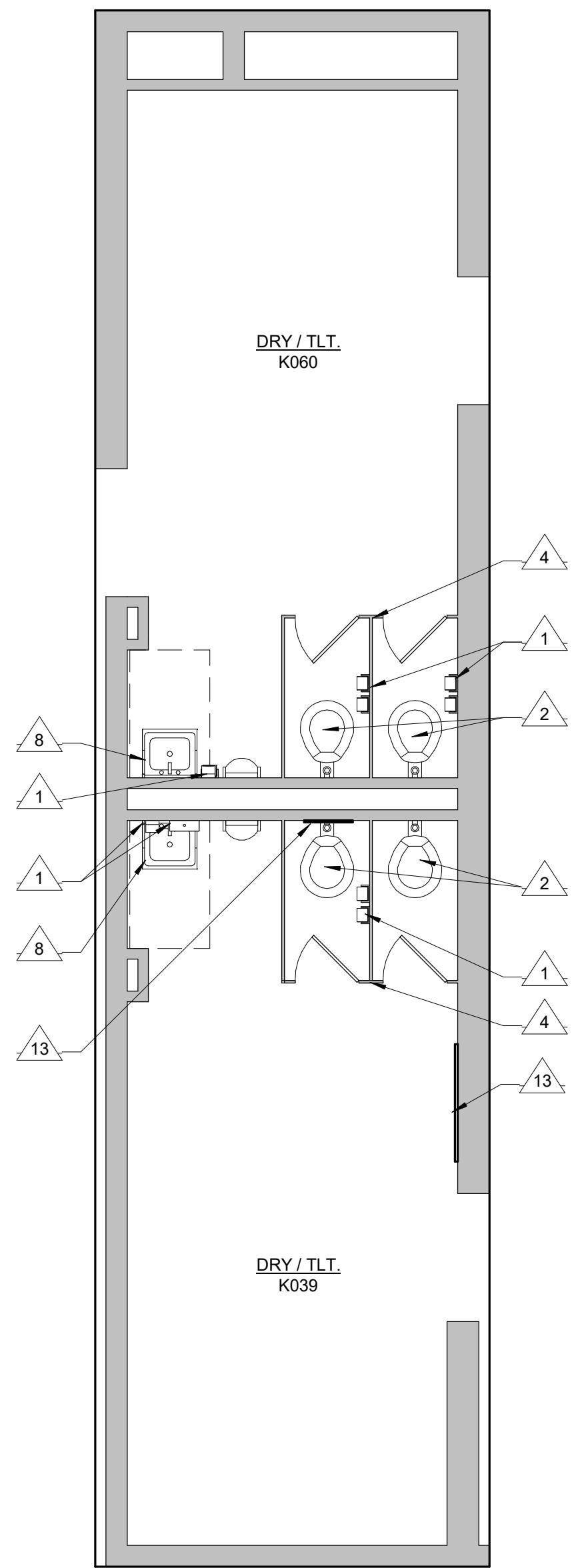
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PROJECT DATE 2024	
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DEMOLITION KEYNOTES

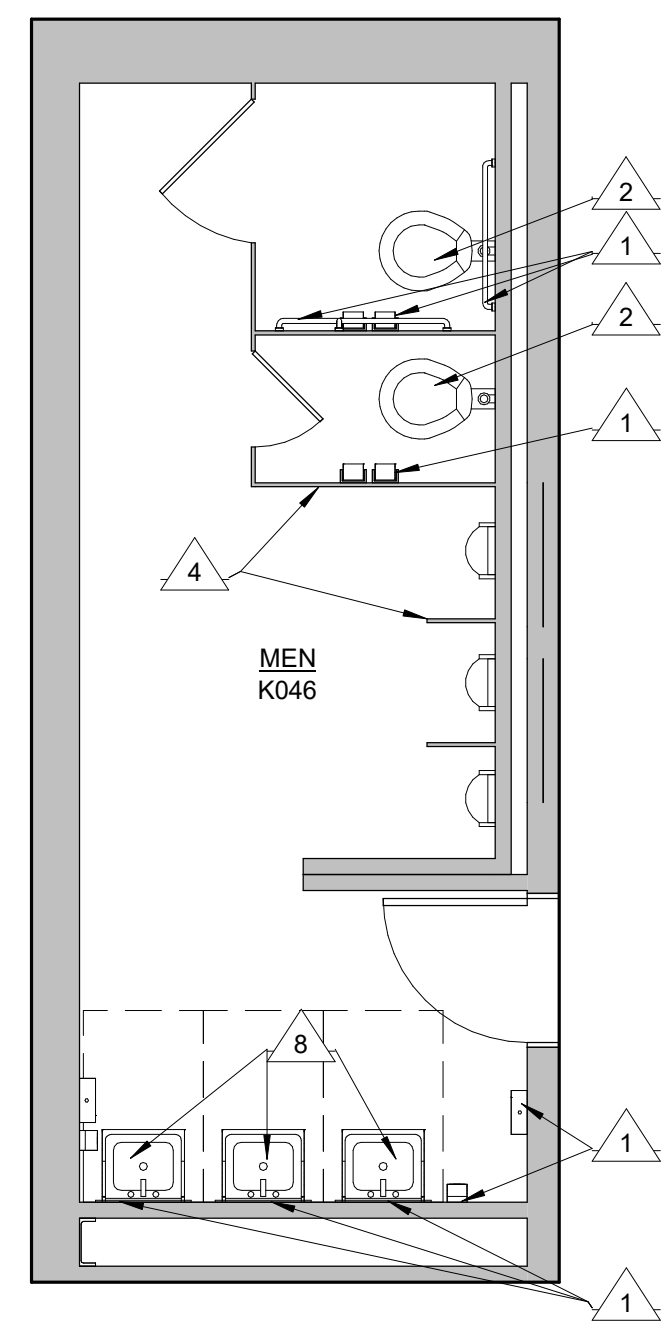
- 1 REMOVE AND PROTECT EXISTING PLUMBING ACCESSORIES AND SAVE FOR REINSTALLATION.
- 2 FLOOR MOUNTED WATER CLOSET TO REMAIN. REMOVE AND DISPOSE OF EXISTING WATER CLOSET SEAT. TIGHTEN ANY LOOSE FIXTURES.
- 3 REMOVE EXISTING PARTITION.
- 4 REMOVE EXISTING PLUMBING FIXTURE, REF. MECHANICAL.
- 5 EXISTING FLUSH VALVE TO BE REMOVED AND DISPOSED OF, REF. MECHANICAL.
- 6 EXISTING LAVATORY TO REMAIN. EXISTING FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, FAUCET, GRID STRAINER, TAILPIECE, P-TRAP, AND ANGLE VALVE TO BE REMOVED AND REPLACED. REPLACE PIPING AND FITTINGS TO BE ABLE TO REPLACE EXISTING LAVATORY TRIM, REF. MECHANICAL.
- 7 REMOVE AND DISPOSE OF EXISTING SINK, REF. MECHANICAL.
- 8 URINAL IS MISSING, PREP. EXISTING CONDITIONS TO INSTALL NEW URINAL.
- 9 REMOVE EXISTING PAPER TOWEL DISPENSER, PROVIDED BLOCKING FOR NEW PAPER TOWEL DISPENSER.
- 10 REMOVE EXISTING METAL ACCESS PANEL.
- 11 REMOVE EXISTING SANITARY NAPKIN DISPOSAL.

PLAN GENERAL NOTES:

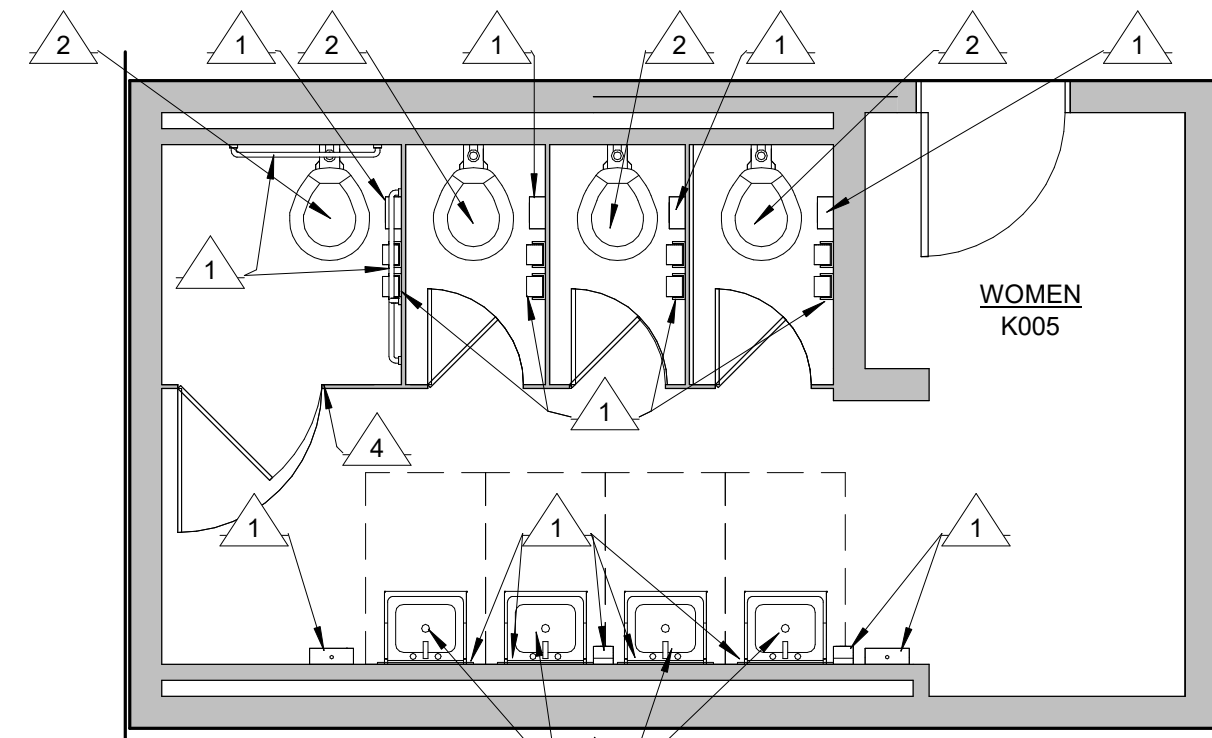
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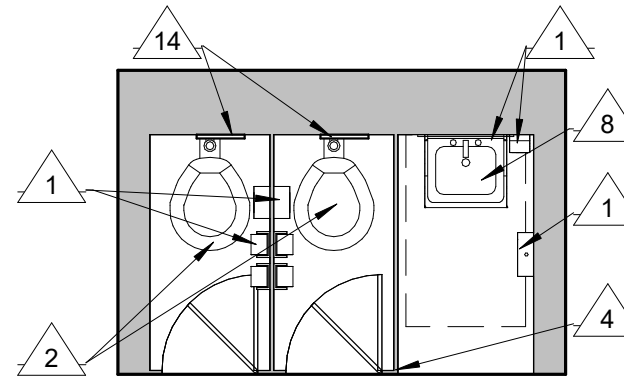
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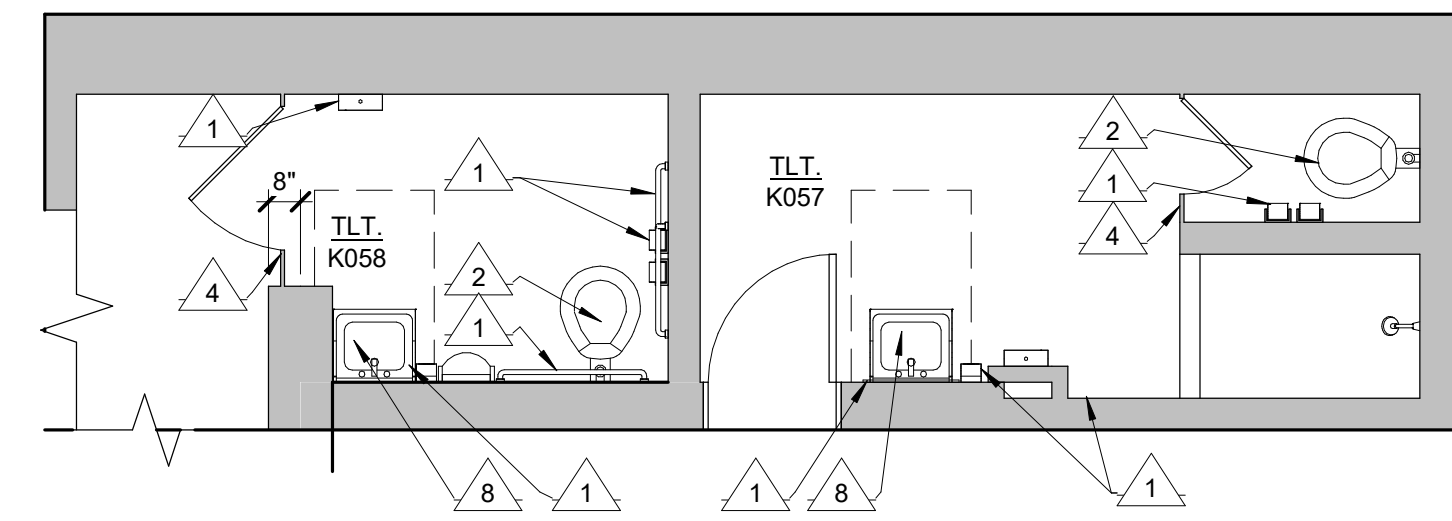
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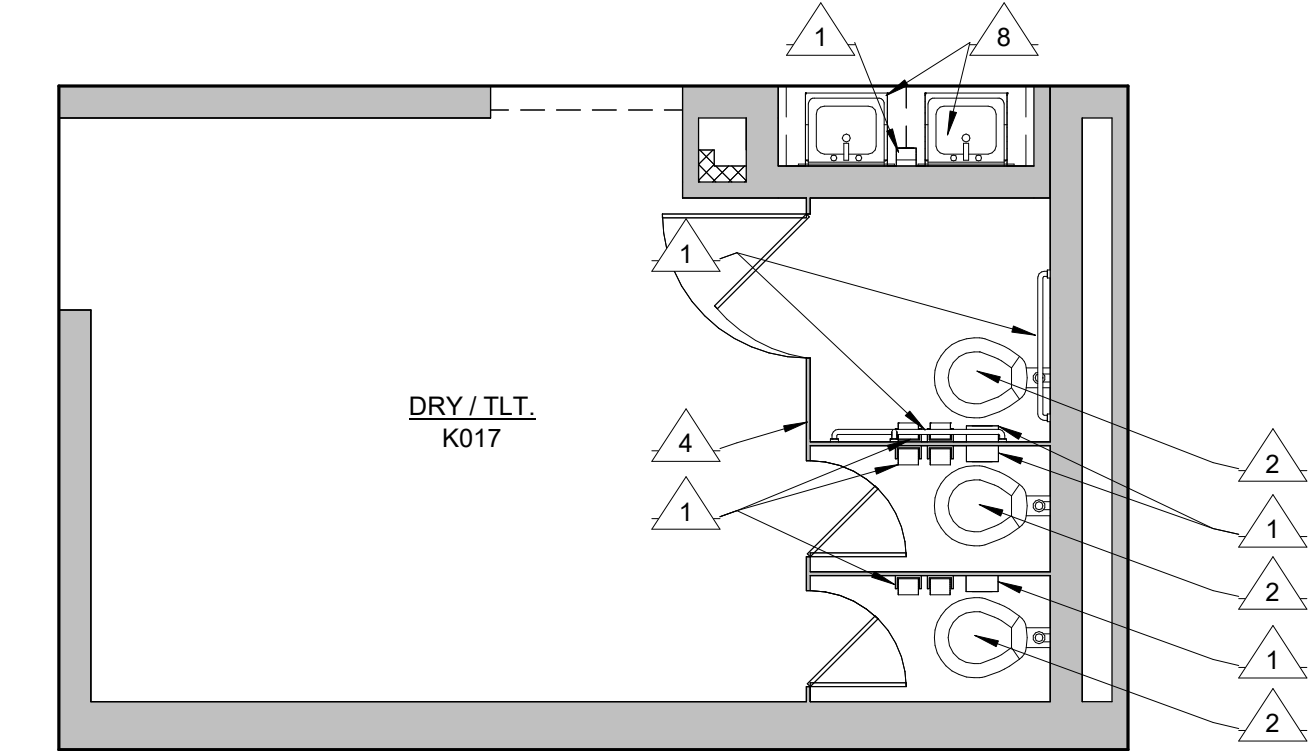
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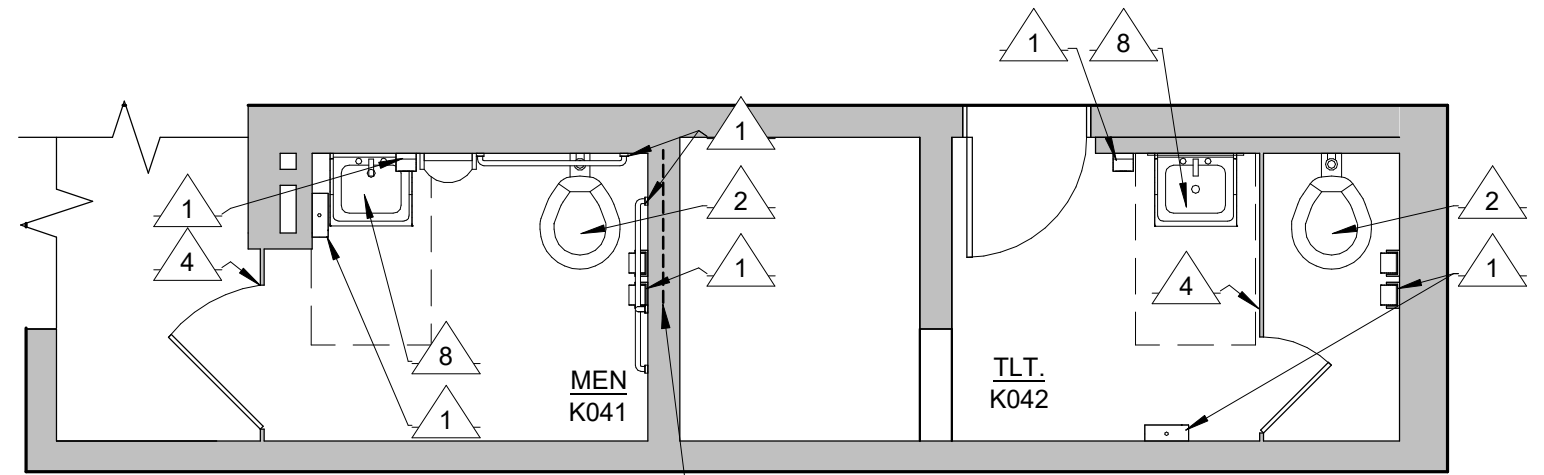
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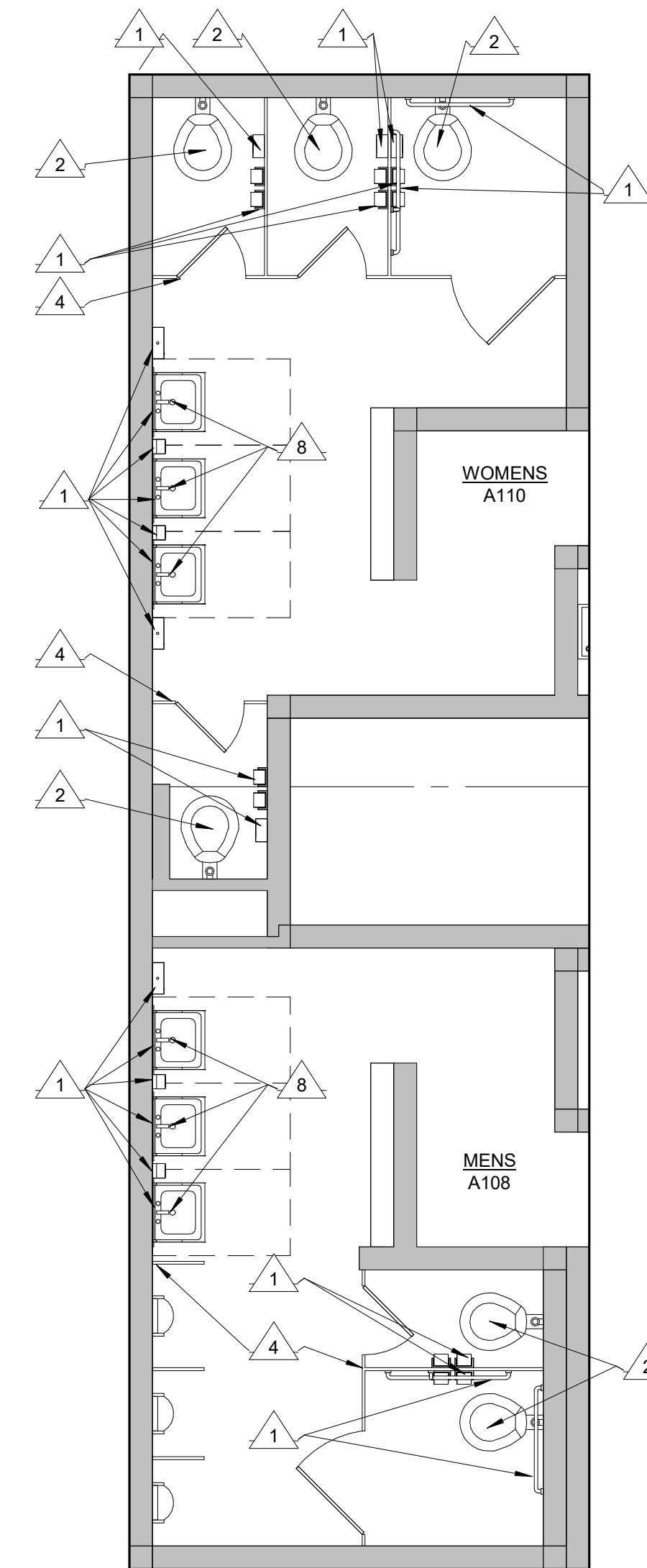
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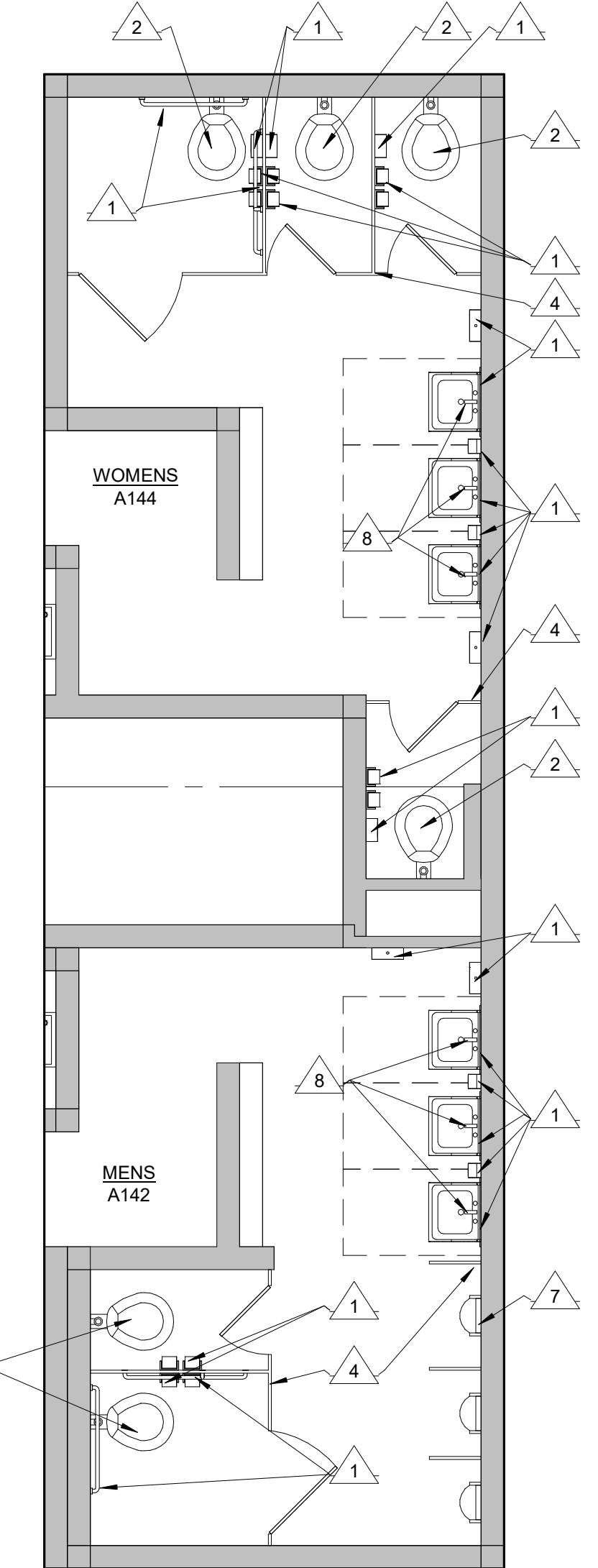
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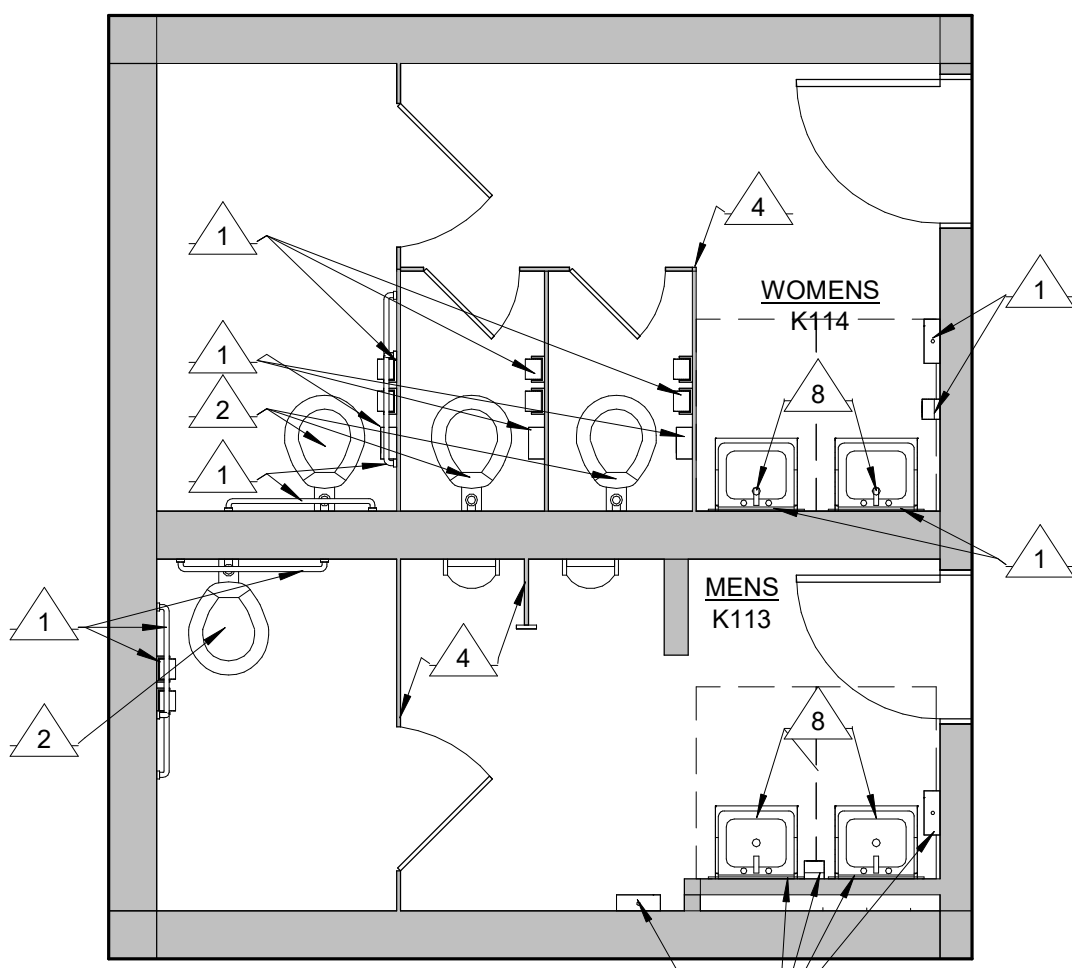
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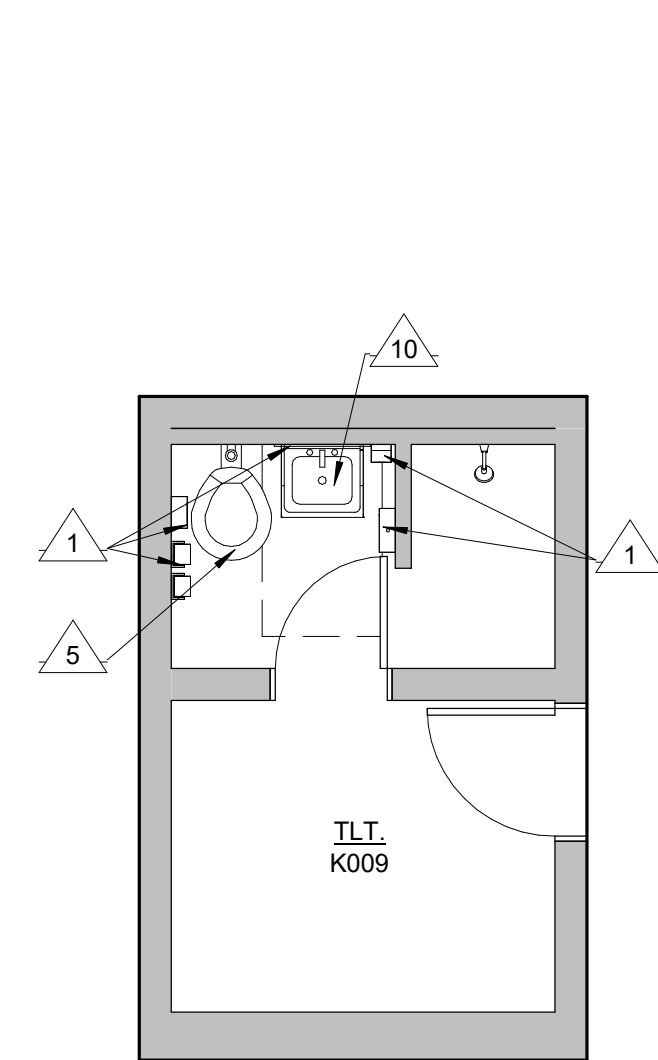
18 MENS A108, WOMENS A110
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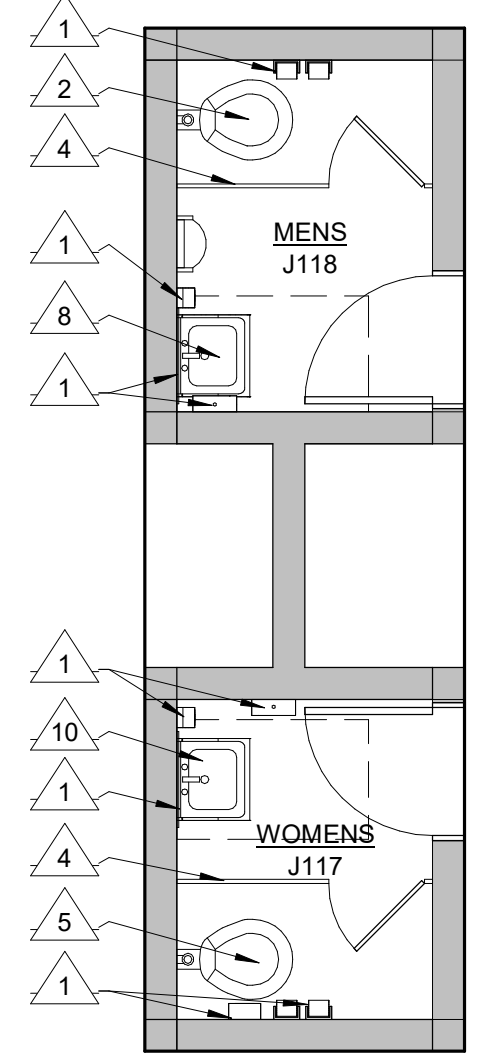
19 MENS A142, WOMENS A144
SCALE: 1/4" = 1'-0"



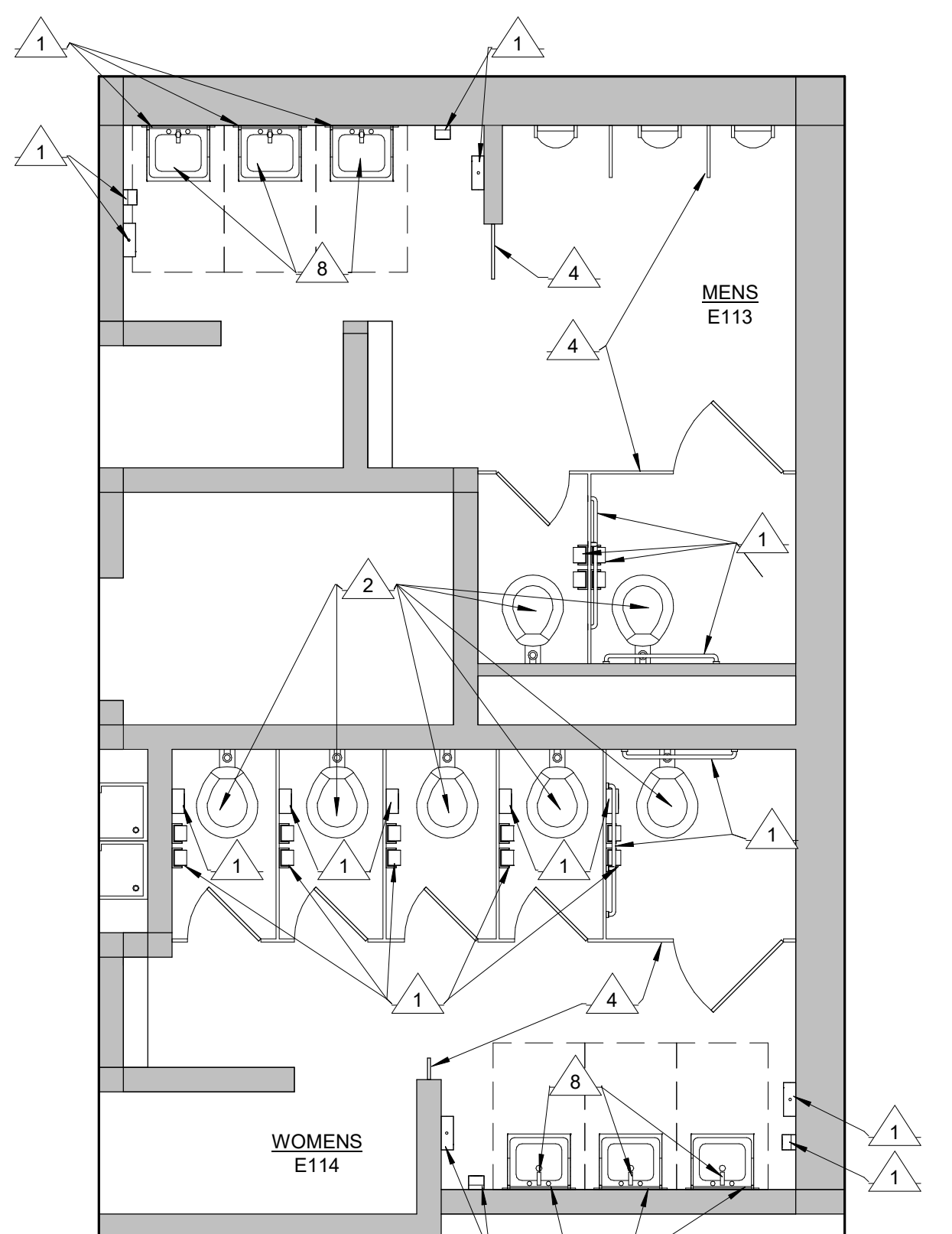
15 WOMENS K114, MENS K113
SCALE: 1/4" = 1'-0"



16.1 TLT. K009
SCALE: 1/4" = 1'-0"



16.2 WOMENS J117, MENS J118
SCALE: 1/4" = 1'-0"



17 MENS E113, WOMENS E114
SCALE: 1/4" = 1'-0"

A:\proj\002024\21613333\CD\A211.dwg

NO.	REVISION	DATE

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PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**
BAY CITY, MICHIGAN

SHEET TITLE
**ENLARGED DEMOLITION
PLANS**

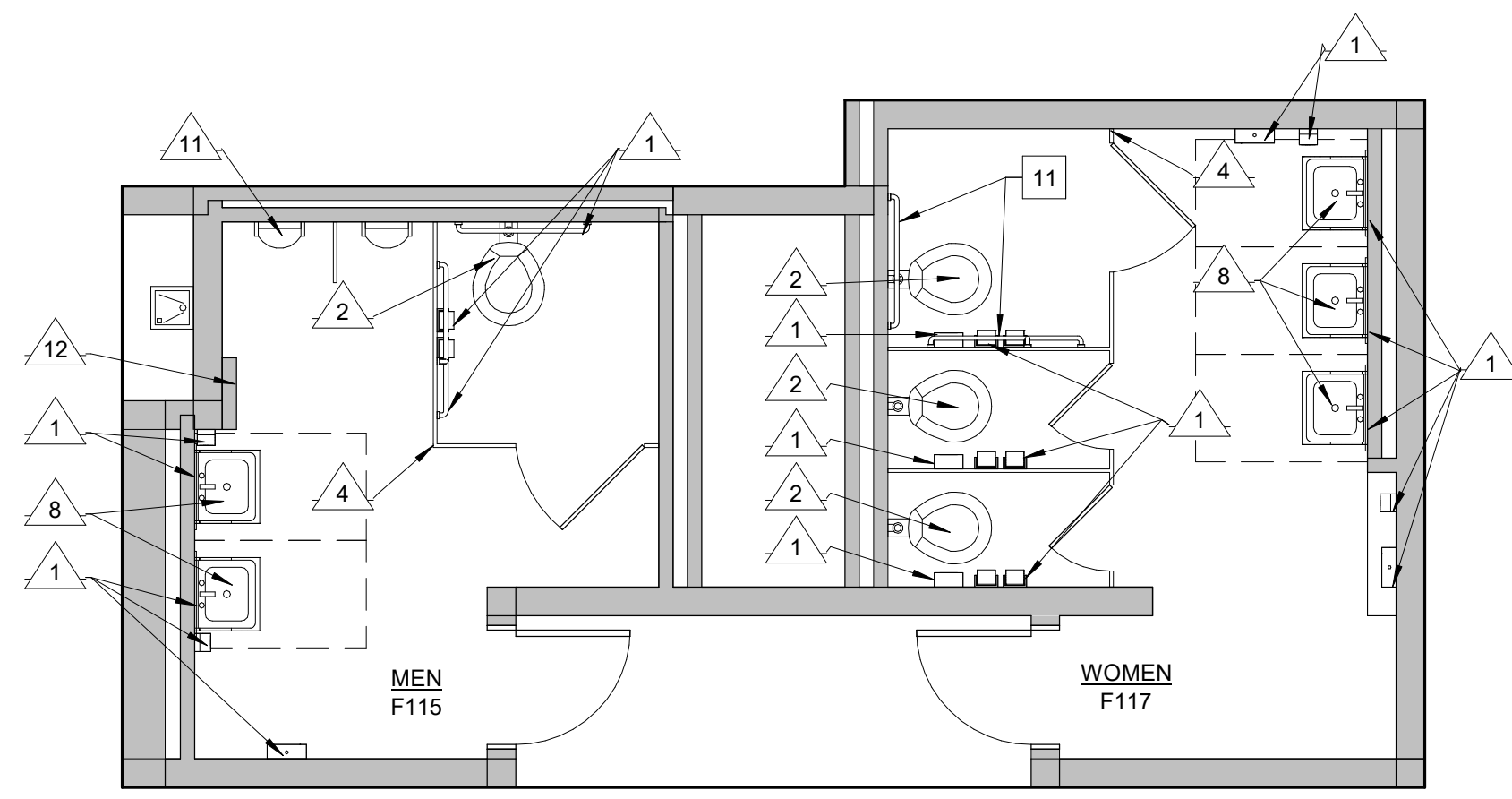
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PROJECT DATE 2024	
CHECKED BY Checker	

DEMOLITION KEYNOTES

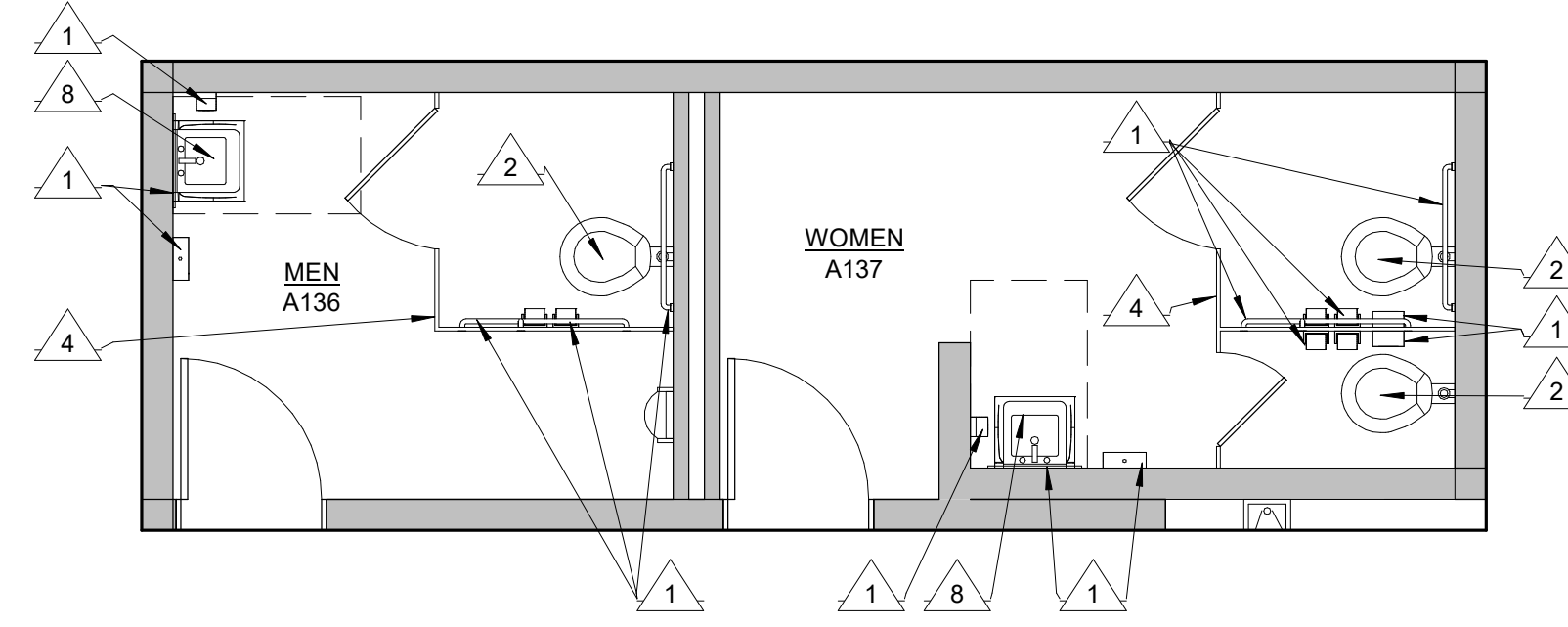
- 1 REMOVE AND PROTECT EXISTING PLUMBING ACCESSORIES AND SAVE FOR REINSTALLATION.
- 2 FLOOR MOUNTED WATER CLOSET TO REMAIN. REMOVE AND DISPOSE OF EXISTING WATER CLOSET SEAT. TIGHTEN ANY LOOSE FIXTURES.
- 4 REMOVE EXISTING PARTITION.
- 5 REMOVE EXISTING PLUMBING FIXTURE, REF. MECHANICAL.
- 7 EXISTING FLUSH VALVE TO BE REMOVED AND DISPOSED OF, REF. MECHANICAL.
- 8 EXISTING LAVATORY TO REMAIN. EXISTING FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, FAUCET, GRID STRAINER, TAILPIECE, P-TRAP, AND ANGLE VALVE TO BE REMOVED AND REPLACED. REPLACE PIPING AND FITTINGS TO BE ABLE TO REPLACE EXISTING LAVATORY TRIM, REF. MECHANICAL.
- 10 REMOVE AND DISPOSE OF EXISTING SINK, REF. MECHANICAL.
- 11 URINAL IS MISSING. PREP. EXISTING CONDITIONS TO INSTALL NEW URINAL.
- 12 REMOVE EXISTING PAPER TOWEL DISPENSER, PROVIDED BLOCKING FOR NEW PAPER TOWEL DISPENSER.
- 13 REMOVE EXISTING METAL ACCESS PANEL.
- 14 REMOVE EXISTING SANITARY NAPKIN DISPOSAL.

PLAN GENERAL NOTES:

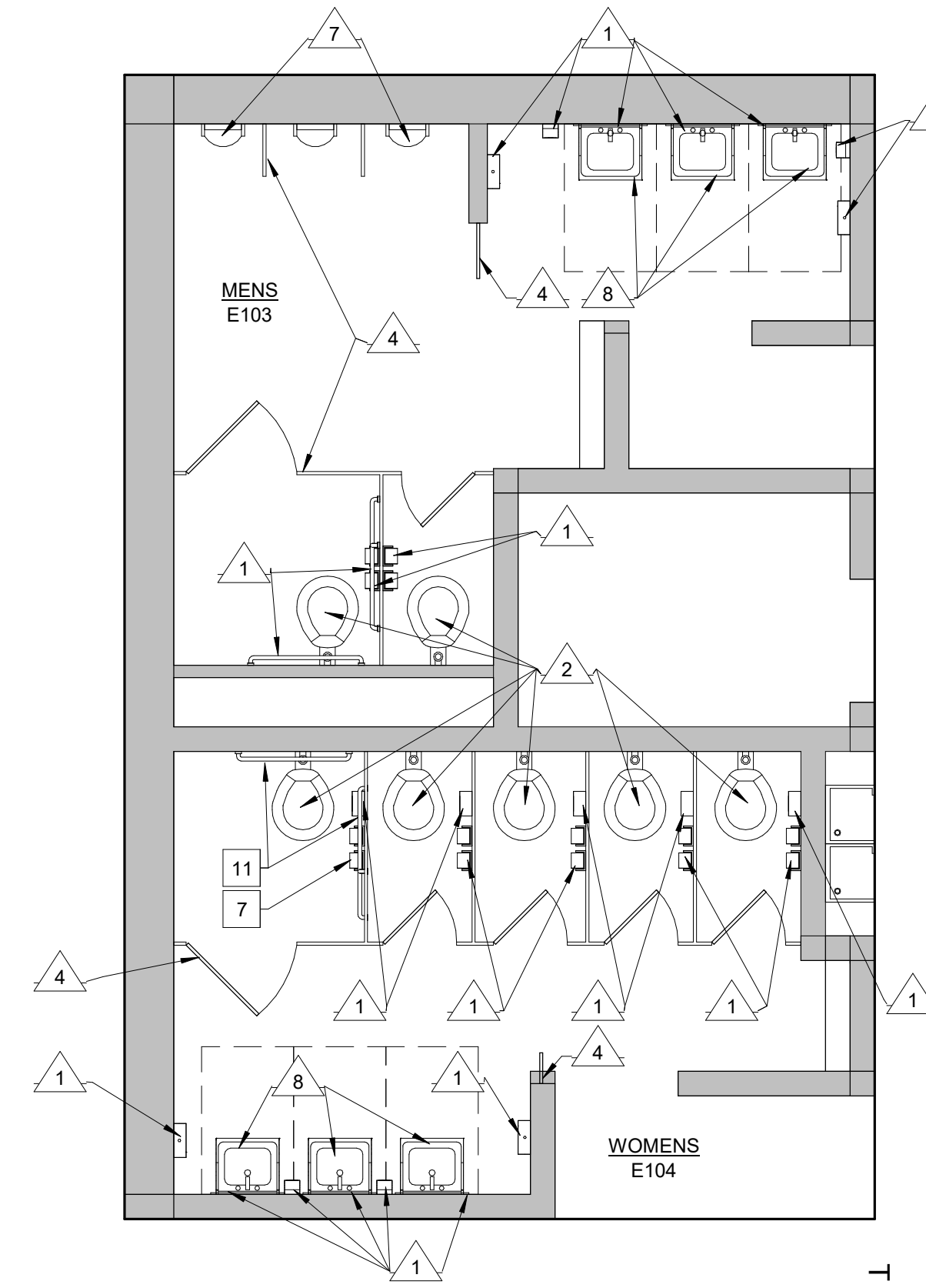
1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE MEP SCOPE.
2. PLAN DIMENSIONS DO NOT INCLUDE WALL THICKNESS.
3. ALL AREAS DAMAGED BY DEMOLITION WORK ARE TO BE PATCHED AND REPAIRED OR REPLACED TO MATCH ADJACENT SURFACES.
4. PATCH AND REPAIR REMAINING WALLS: AT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION POINTS WITH SIMILAR MATERIALS IN SIZE, COLOR AND TEXTURE.
5. PATCH AND REPAIR ALL EXPOSED ANCHOR HOLES AT WALLS, USING EPOXY AT GLAZED CMU AND GROUT AT PAINTED CMU.
6. REFER TO FINISH MATERIAL LEGEND FOR SPECIFIC MANUFACTURER AND COLOR.
7. REFER TO SPECIFICATIONS FOR COMPLETE FINISH INFORMATION.
8. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
9. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
10. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
11. ALL EXISTING PLUMBING FIXTURES TO BE TIGHTENED, AS NEEDED. REF. MECHANICAL.
12. APPLY NEW SEALANT AROUND ALL EXISTING PLUMBING FIXTURES.
13. ALL EXISTING PLUMBING FIXTURES TO REMAIN, UNLESS OTHERWISE NOTED.
14. POWERWASH ALL EXISTING TILE FLOORING.



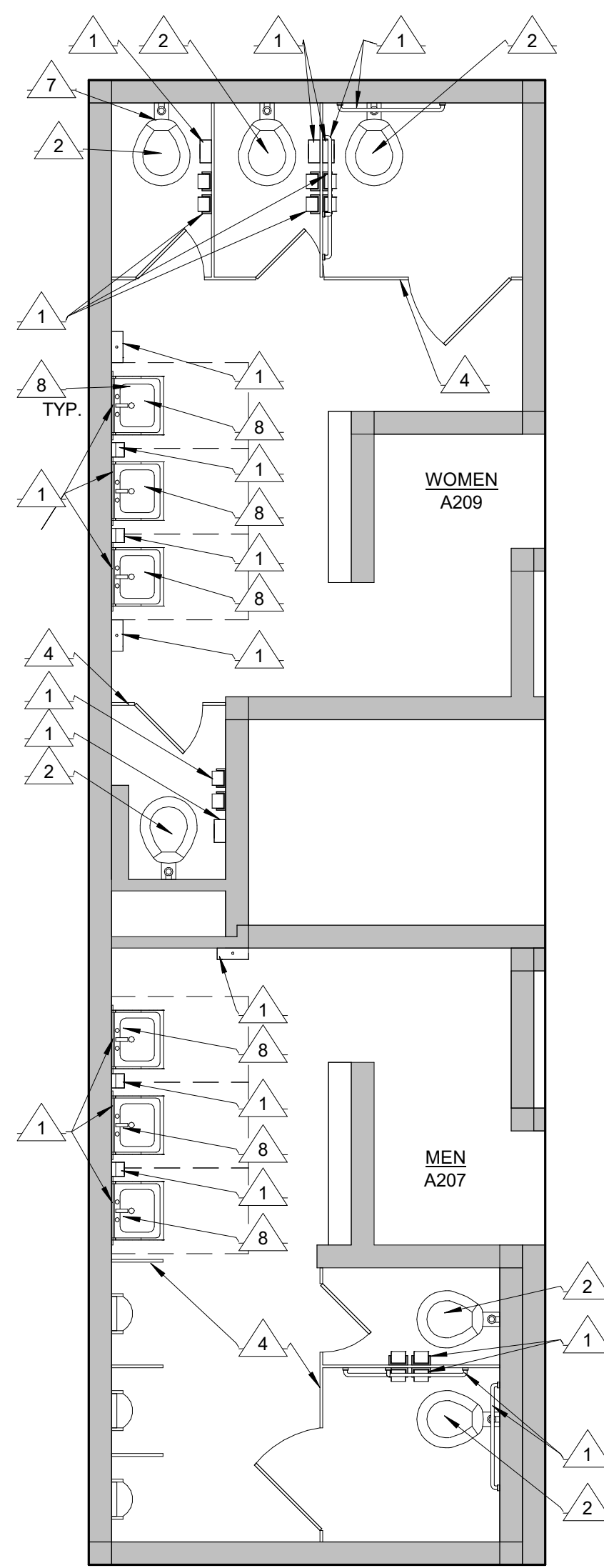
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A2.12 **MEN F115, WOMEN F117**
SCALE: 1/4" = 1'-0"



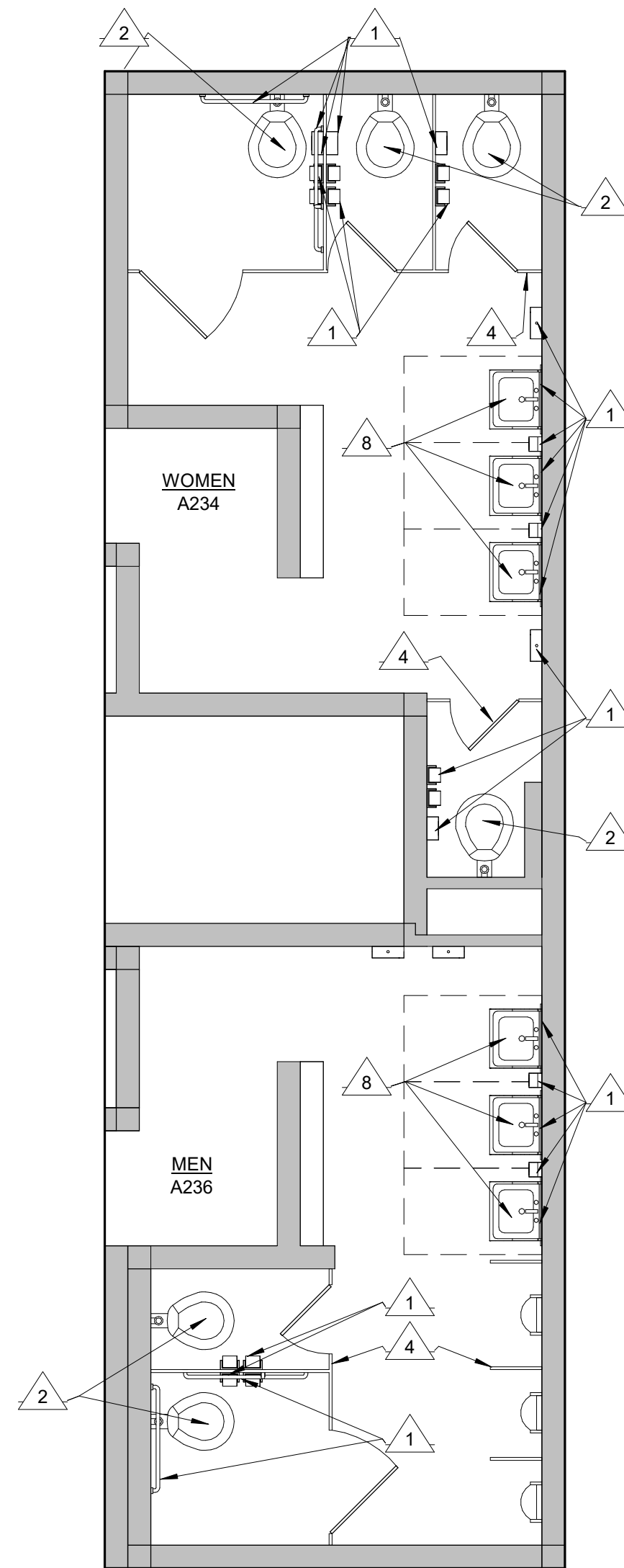
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A2.12 **MEN A136, WOMEN A137**
SCALE: 1/4" = 1'-0"



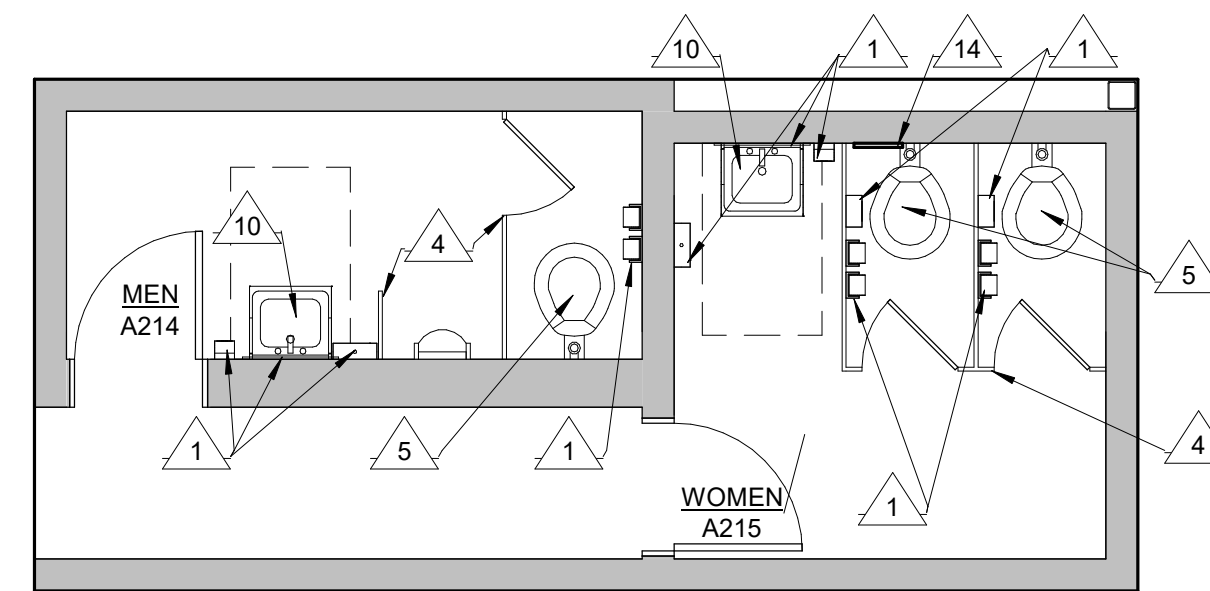
9
A2.12 **MEN E103, WOMEN E104**
SCALE: 1/4" = 1'-0"



16
A2.12 **MEN A207, WOMEN A209**
SCALE: 1/4" = 1'-0"



17
A2.12 **WOMEN A234, MEN A236**
SCALE: 1/4" = 1'-0"



18
A2.12 **MEN A214, WOMEN A215**
SCALE: 1/4" = 1'-0"

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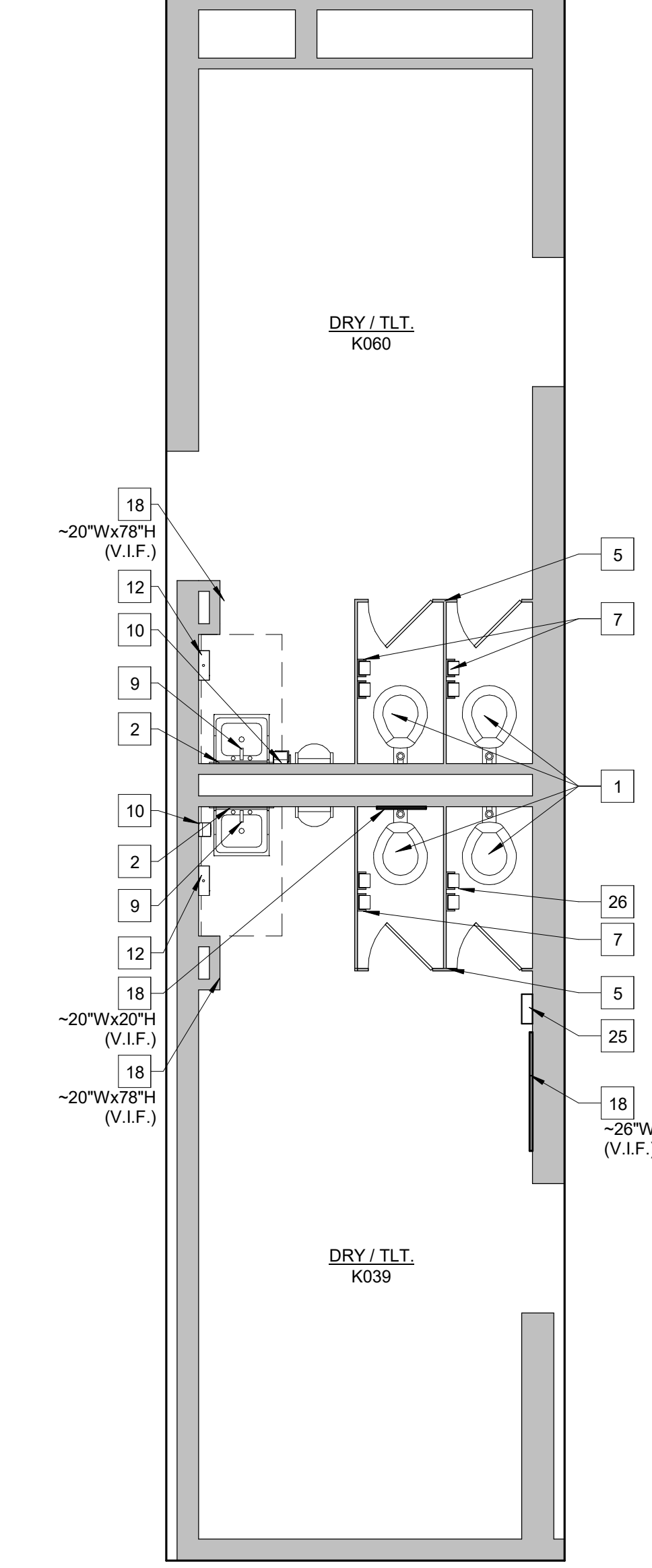
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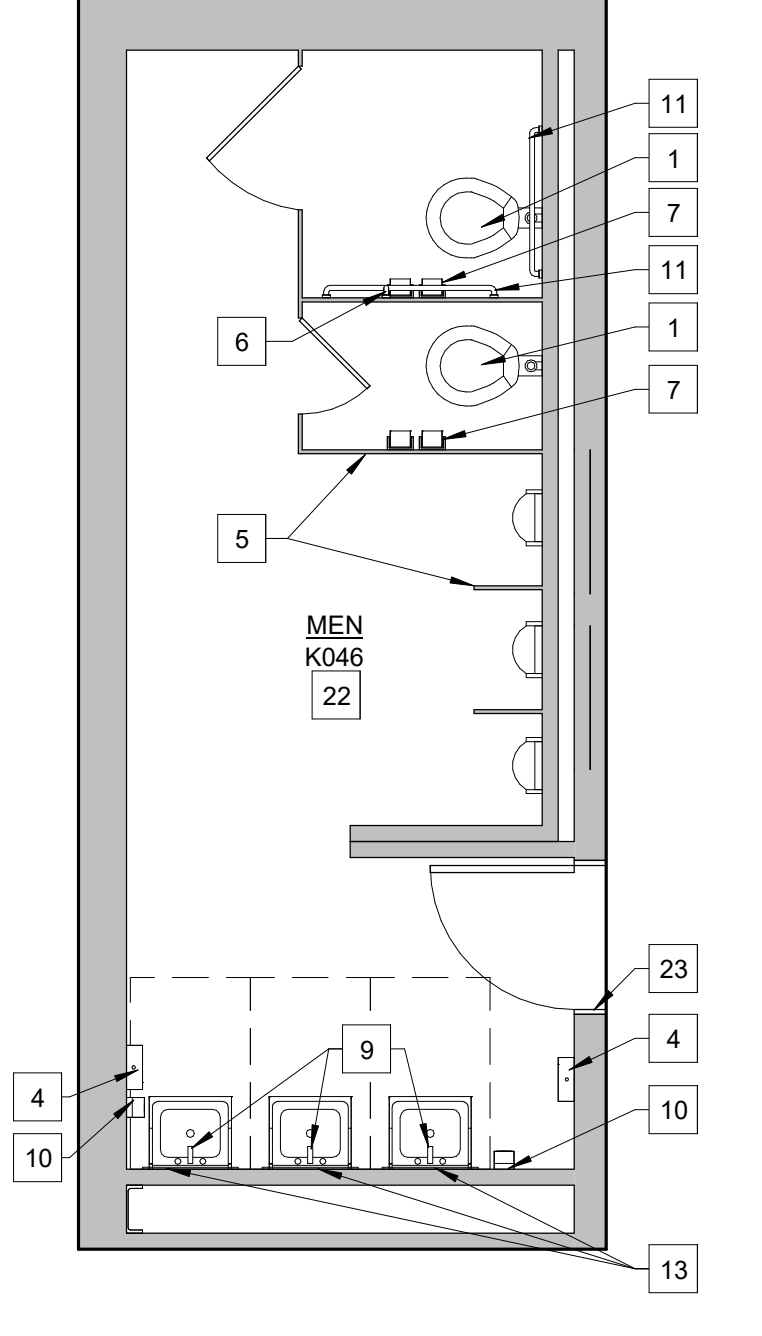
PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**
BAY CITY, MICHIGAN

SHEET TITLE
**ENLARGED DEMOLITION
PLANS**

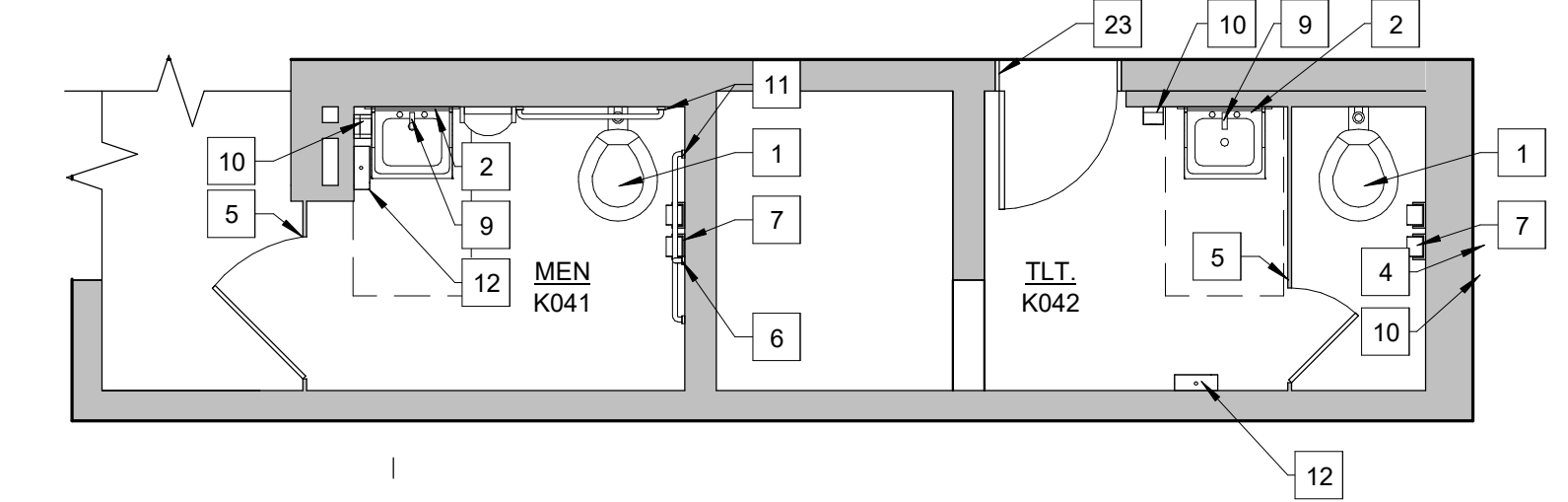
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PROJECT DATE 2024	
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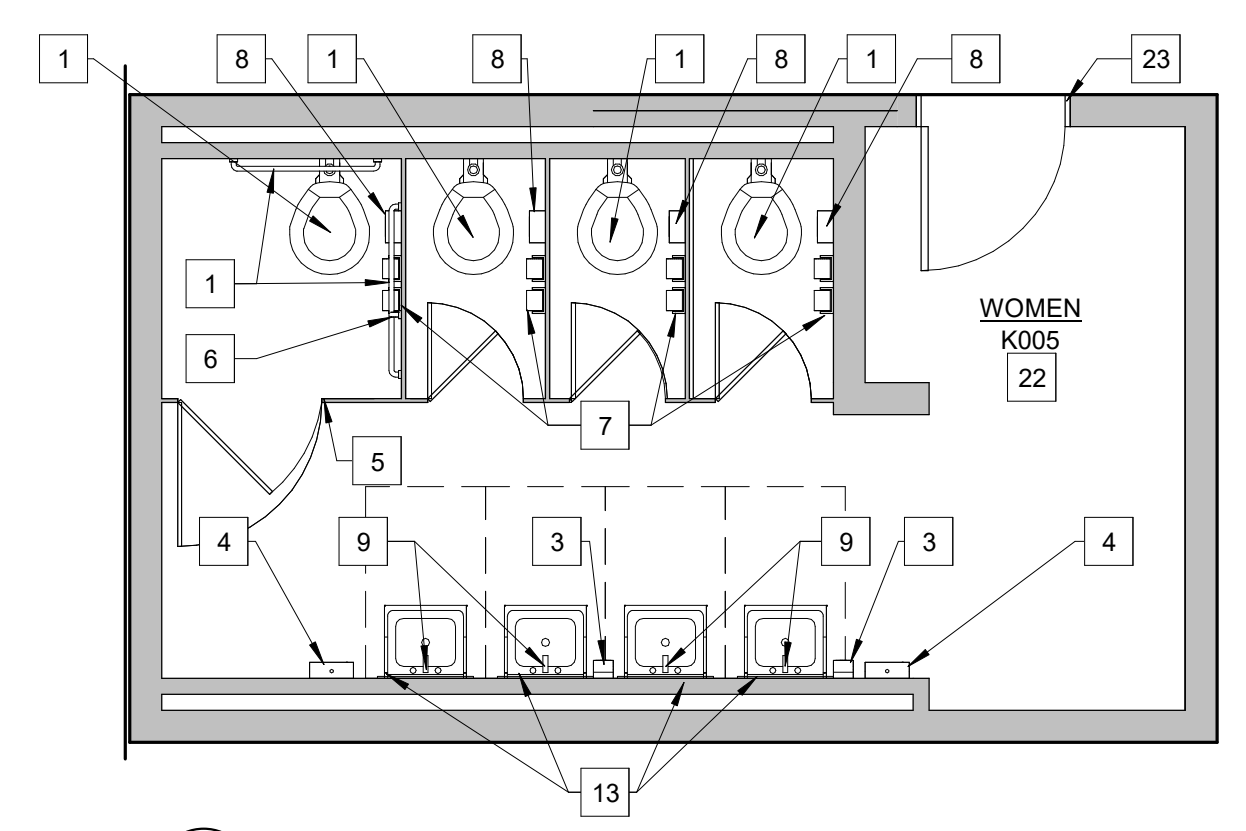
11 DRY / TLT. K060 & K039
A2.21 SCALE: 1/4" = 1'-0"



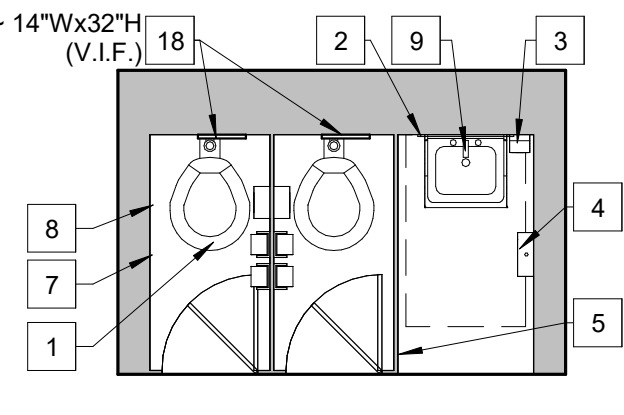
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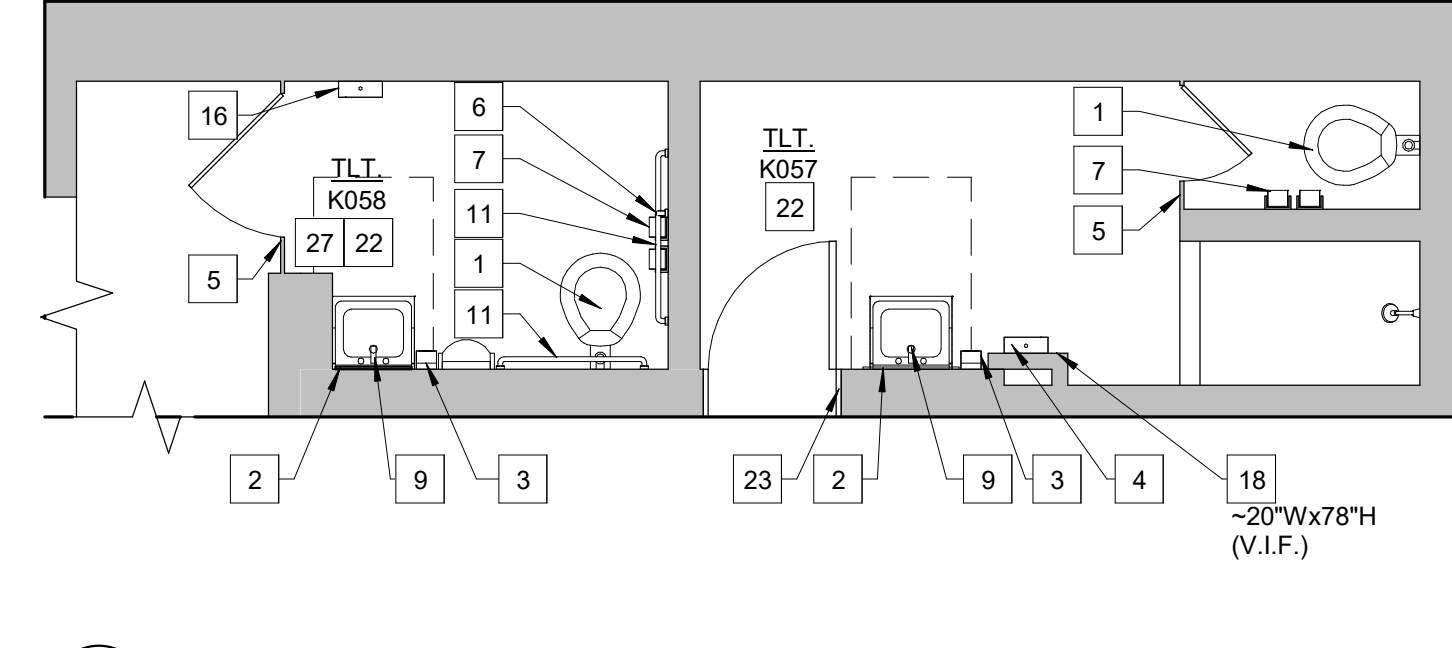
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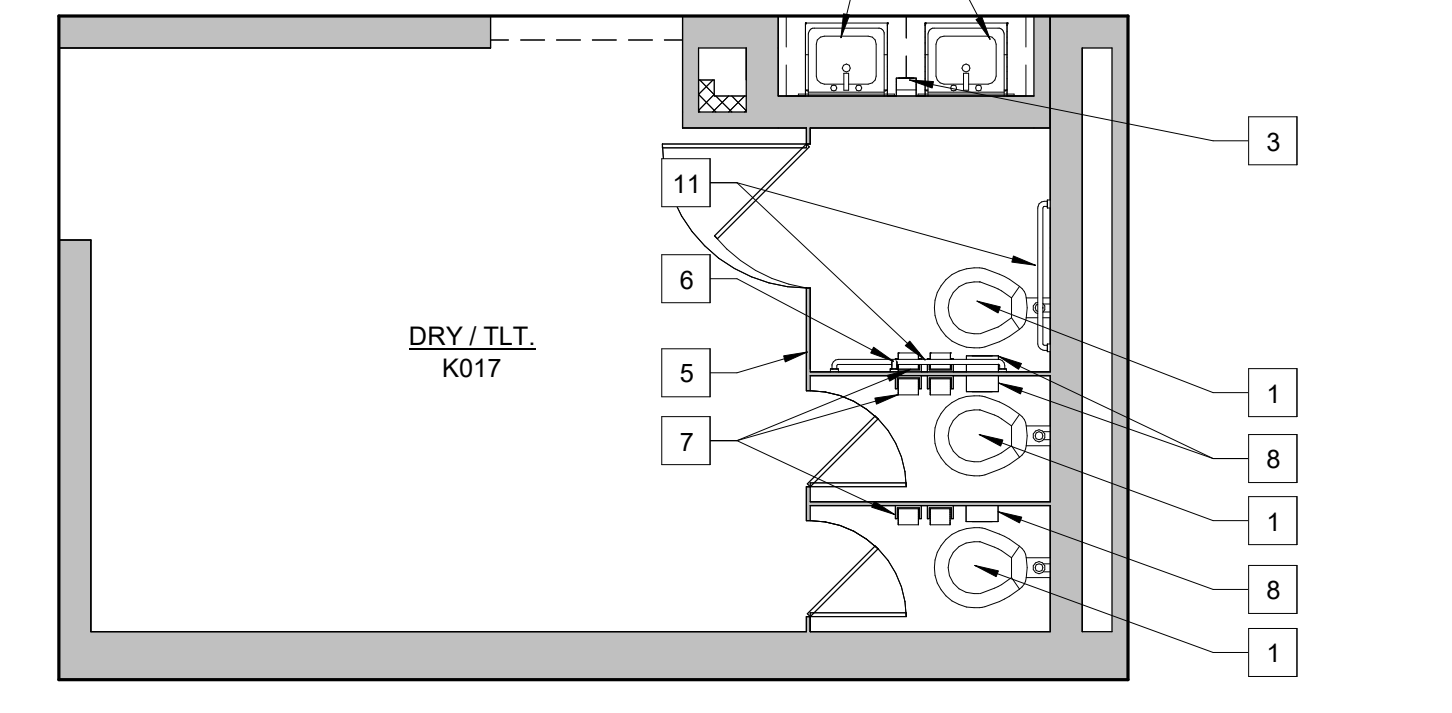
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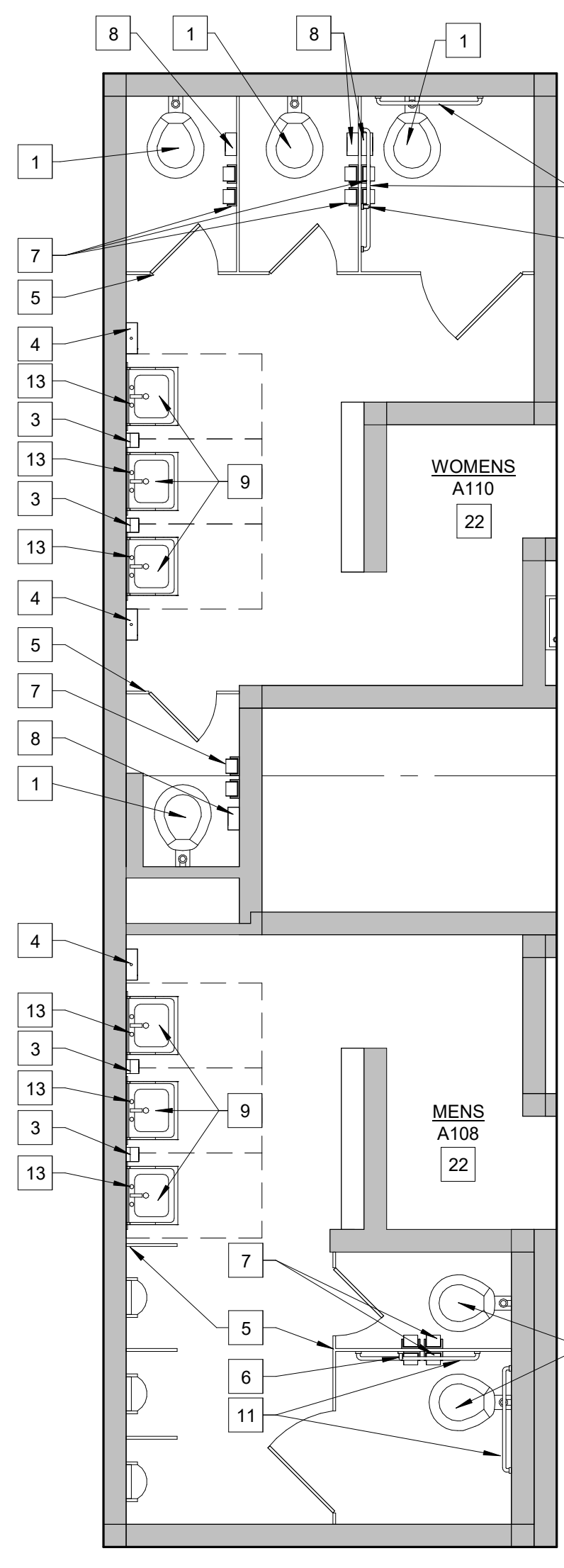
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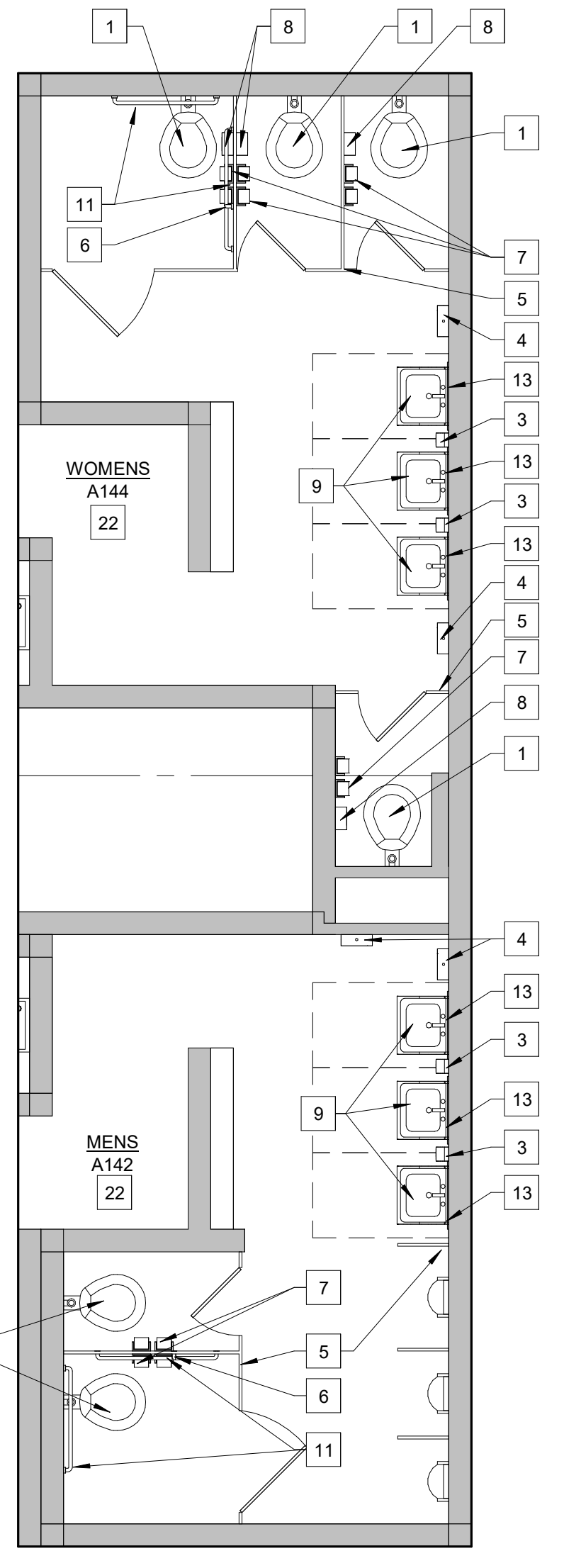
4 TLT. K057, K058
A2.21 SCALE: 1/4" = 1'-0"



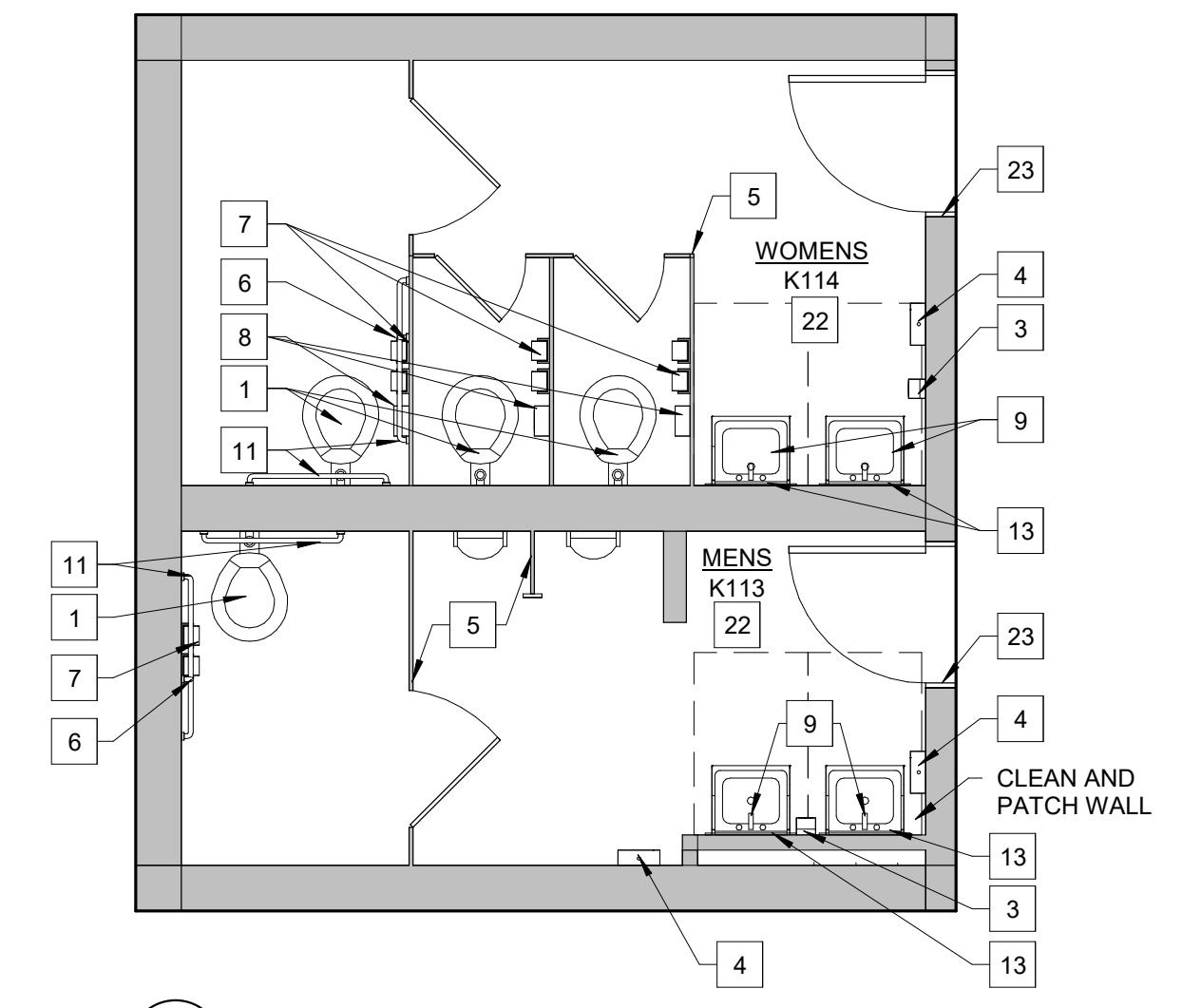
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A2.21 SCALE: 1/4" = 1'-0"



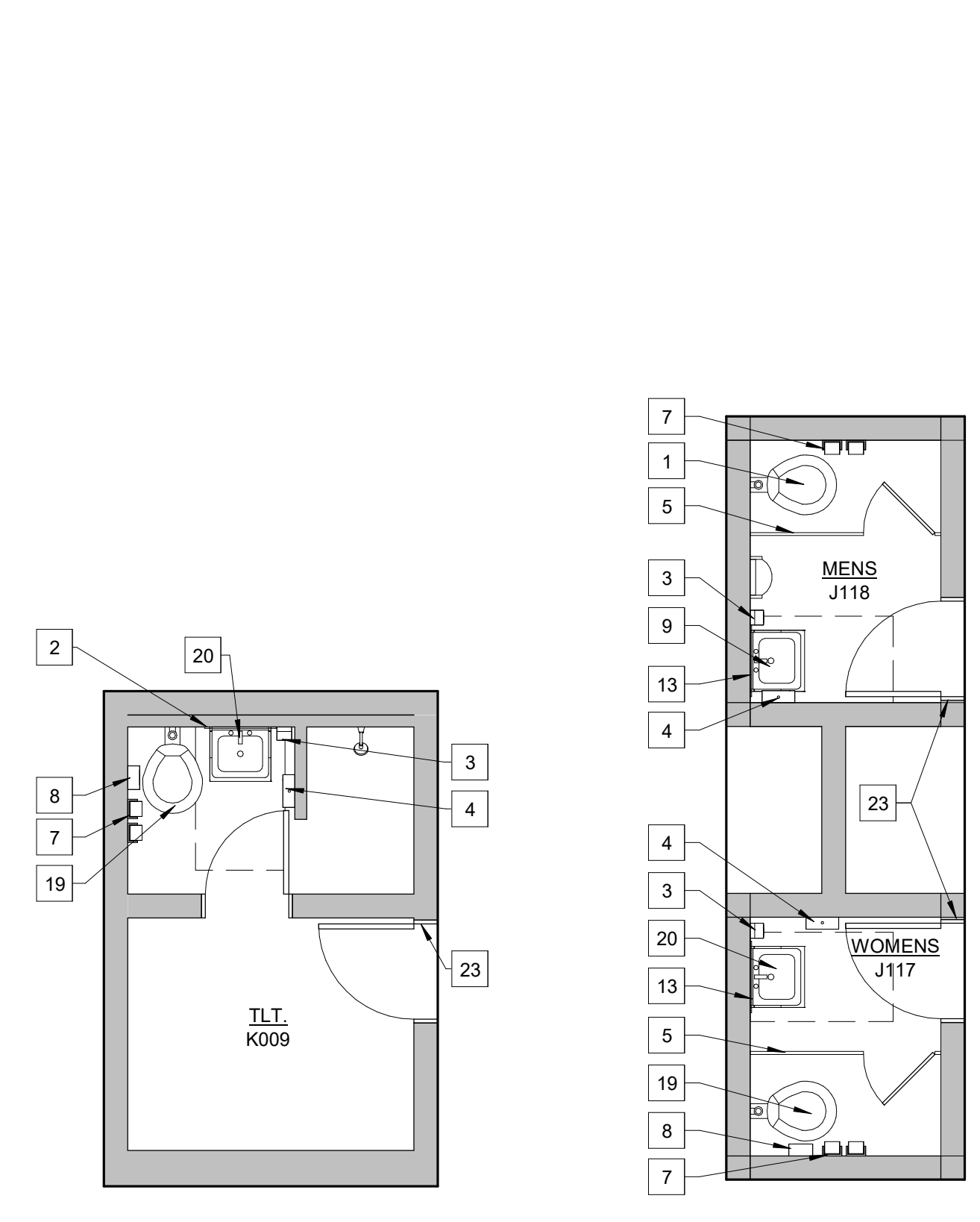
18 MEN A108, WOMEN A110
A2.21 SCALE: 1/4" = 1'-0"



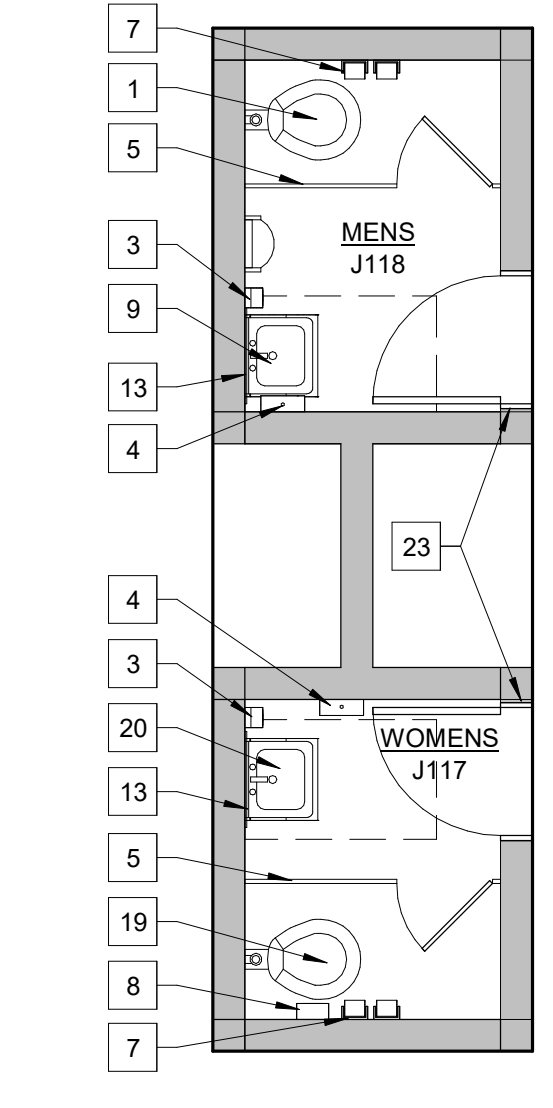
19 MEN A142, WOMEN A144
A2.21 SCALE: 1/4" = 1'-0"



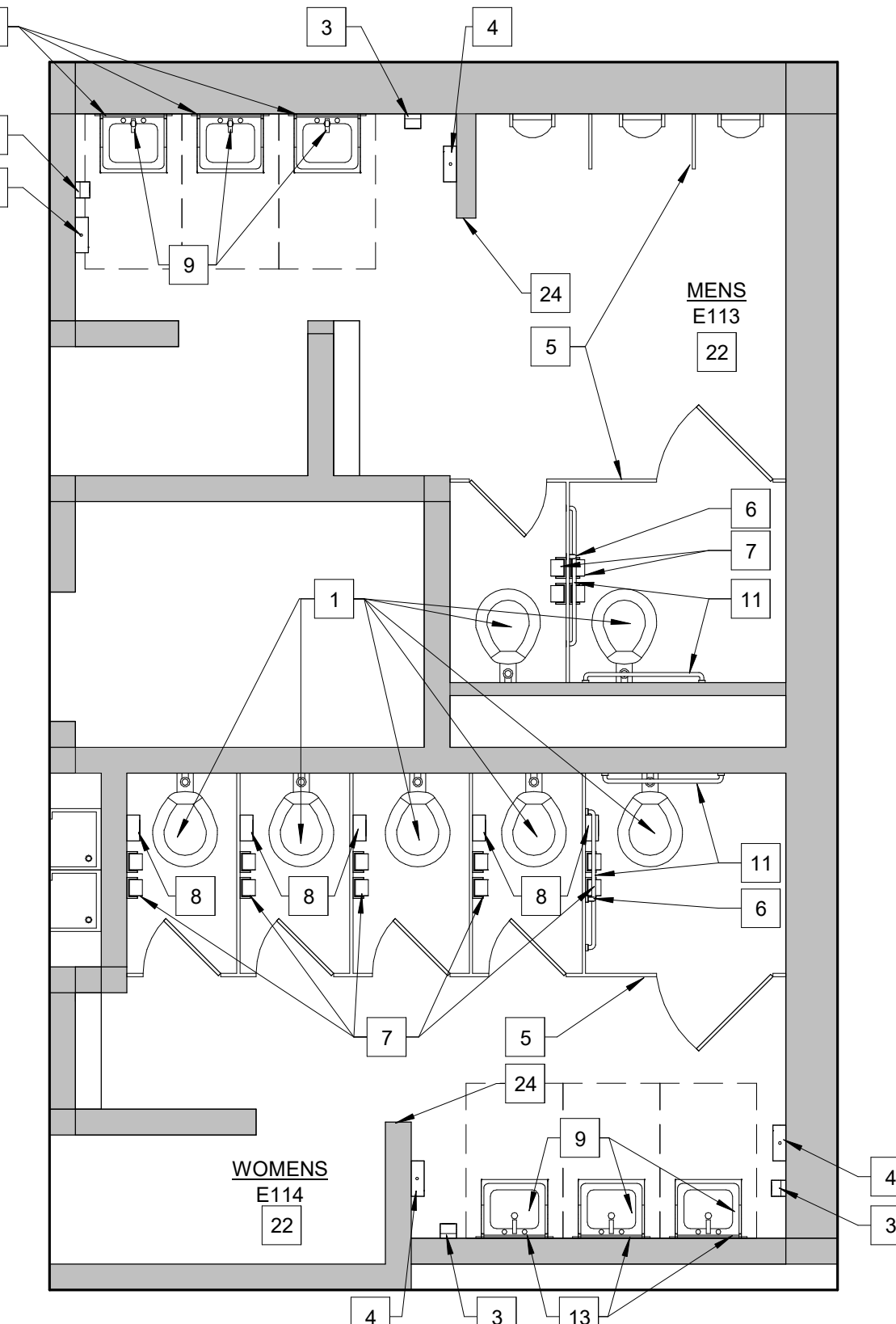
15 WOMEN K114, MEN K113
A2.21 SCALE: 1/4" = 1'-0"



16.1 TLT. K009
A2.21 SCALE: 1/4" = 1'-0"



16.2 WOMENS J117, MEN J118
A2.21 SCALE: 1/4" = 1'-0"



17 MEN E113, WOMEN E114
A2.21 SCALE: 1/4" = 1'-0"

PLAN KEYNOTES

- EXISTING WATER CLOSET TO BE REINSTALLED AND ADD NEW WATER CLOSET SEAT. REF. MECHANICAL.
- NEW 18X36 MIRROR (REFER TO SPECIFICATION AND STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING SOAP DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING PAPER TOWEL DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- NEW TOILET PARTITION (REFER TO SPECIFICATION)
- NEW VERTICAL GRAB BAR (REFER TO SPECIFICATION AND STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING TOILET PAPER DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING SANITARY NAPKIN DISPOSAL (REFER TO STANDARD MOUNTING HEIGHT)
- REINSTALL EXISTING SINK AND ADD NEW FAUCET (REFER TO SPECIFICATION)
- RELOCATE EXISTING SOAP DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING GRAB BAR (REFER TO STANDARD MOUNTING HEIGHT)
- NEW PAPER TOWEL DISPENSER, OWNER PROVIDED (REFER TO STANDARD MOUNTING HEIGHT)
- RE-INSTALL EXISTING MIRROR (REFER TO STANDARD MOUNTING HEIGHT)
- REPLACE MISSING PLUMBING COVER.
- NEW URINAL (REFER TO STANDARD MOUNTING HEIGHT), REF. MECHANICAL.
- NEW PAPER TOWEL DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- INSTALL NEW FLUSH VALVE. REF. MECHANICAL
- INSTALL NEW STAINLESS STEEL PLATE COVER
- NEW WATER CLOSET AND SEAT, REF. MECHANICAL.
- NEW SINK AND FAUCET (REFER TO STANDARD MOUNTING HEIGHT), REF. MECHANICAL.
- PAINT ALL WALLS P-1 (REFER TO FINISH LEGEND).
- PAINT EXISTING DOOR FRAME TO MATCH EXIST.
- PATCH, REPAIR AND PAINT WHERE EXISTING PARTITION WAS LOCATED.
- PAINT EXISTING JUNCTION BOX P-1.
- NEW TOILET PAPER DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- REAPPLY SEALANT AT JOINT BETWEEN FLOOR AND WALL.

PLAN GENERAL NOTES:

- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE MEP SCOPE.
- PLAN DIMENSIONS DO NOT INCLUDE WALL THICKNESS.
- ALL AREAS DAMAGED BY DEMOLITION WORK ARE TO BE PATCHED AND REPAIRED OR REPLACED TO MATCH ADJACENT SURFACES.
- PATCH AND REPAIR REMAINING WALLS: AT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION POINTS WITH SIMILAR MATERIALS IN SIZE, COLOR AND TEXTURE.
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- APPLY NEW SEALANT AROUND ALL EXISTING PLUMBING FIXTURES.
- ALL EXISTING PLUMBING FIXTURES TO REMAIN, UNLESS OTHERWISE NOTED.
- POWERWASH ALL EXISTING TILE FLOORING.

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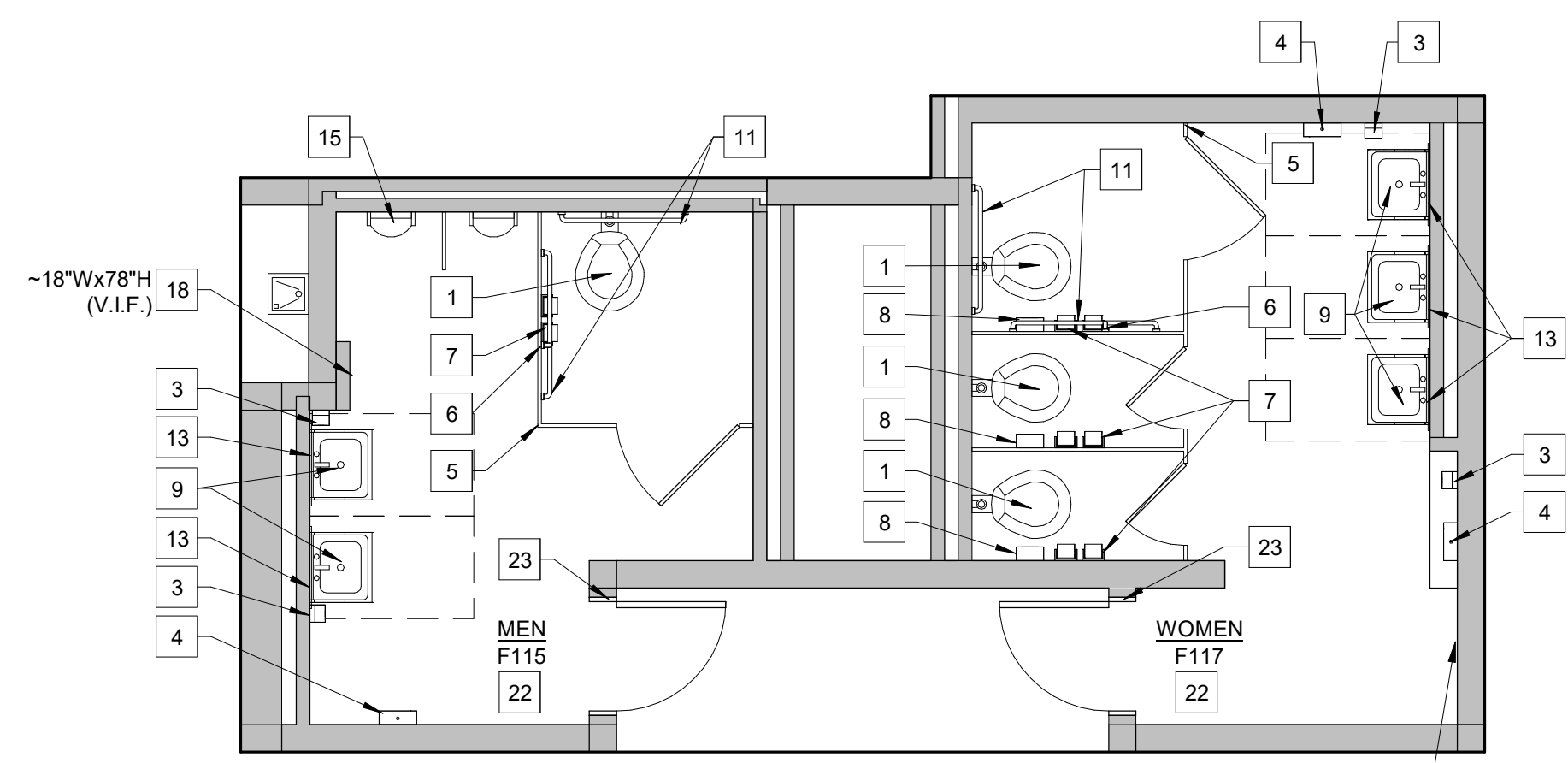
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PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**
BAY CITY, MICHIGAN

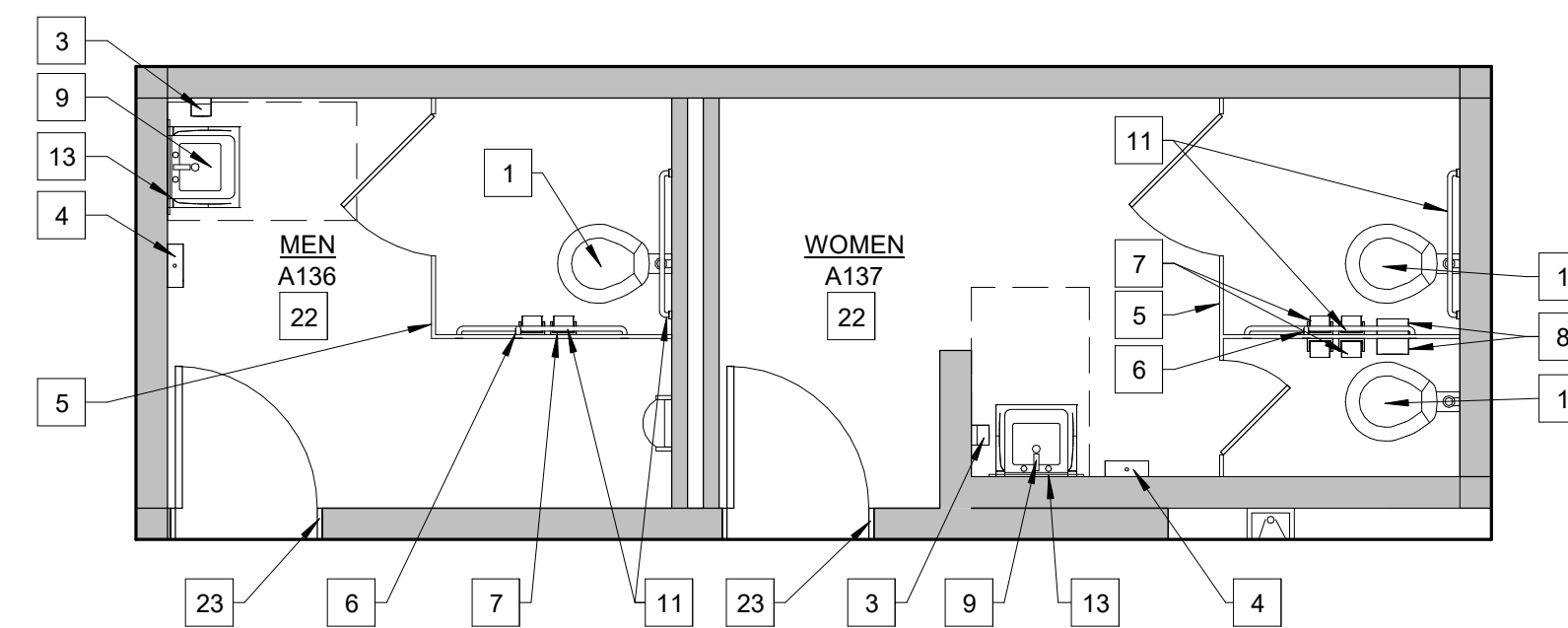
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PROJECT NUMBER 2019113.33	SHEET NUMBER
PROJECT DATE 2024	A2.21
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MATERIAL LEGEND

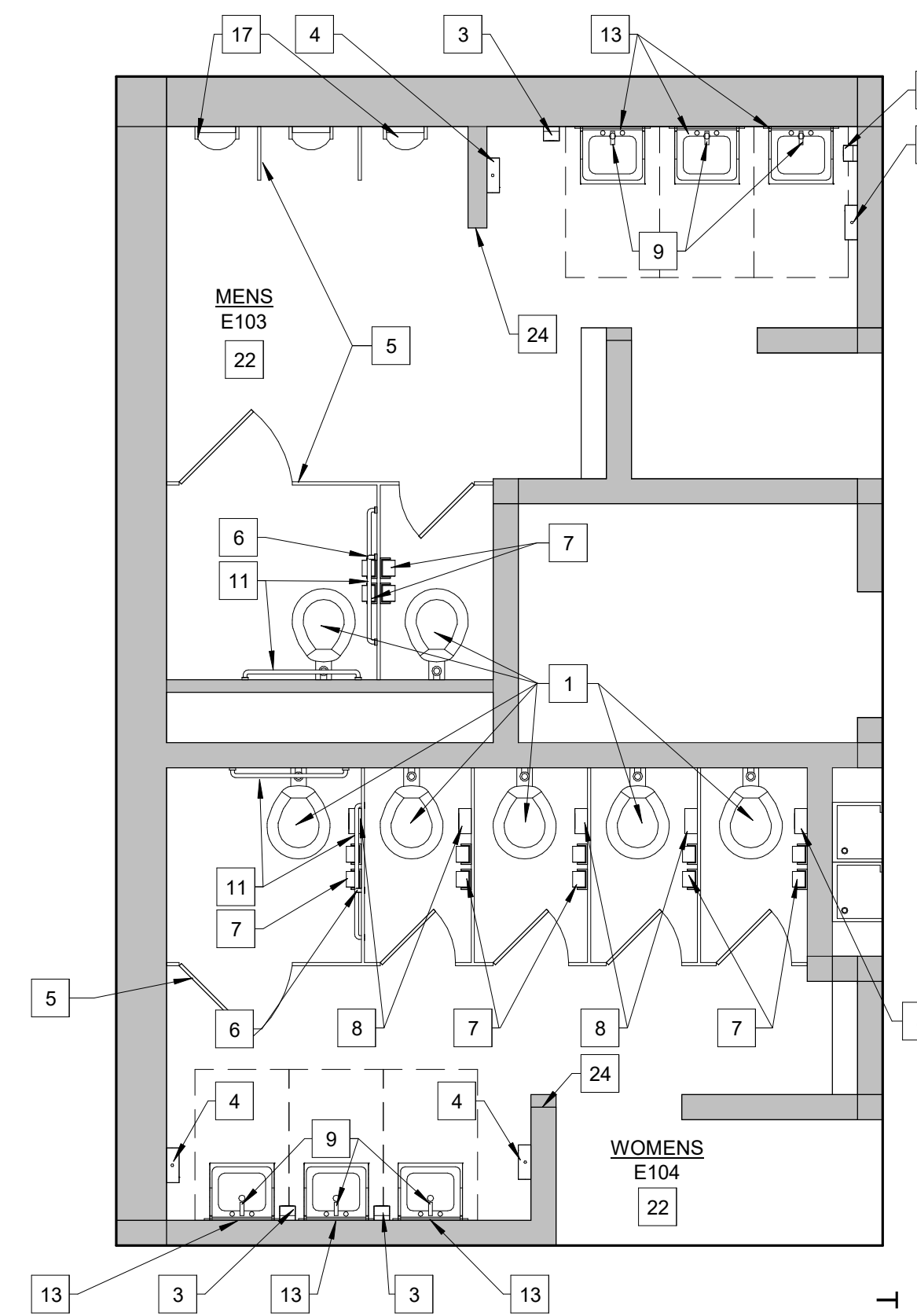
SN	MANUFACTURER	COLOR	REMARKS
INTERIOR PAINT			
P-1	SHERWIN WILLIAMS	SW 7044 AMAZING GRAY	
P-2	SHERWIN WILLIAMS	SW 7757 HIGH REFLECTIVE WHITE	
P-3	SHERWIN WILLIAMS	MATCH EXISTING	EXIST. DOOR FRAMES
TOILET PARTITION			
TP-1	SCRANTON	NICKEL HAMMERED	



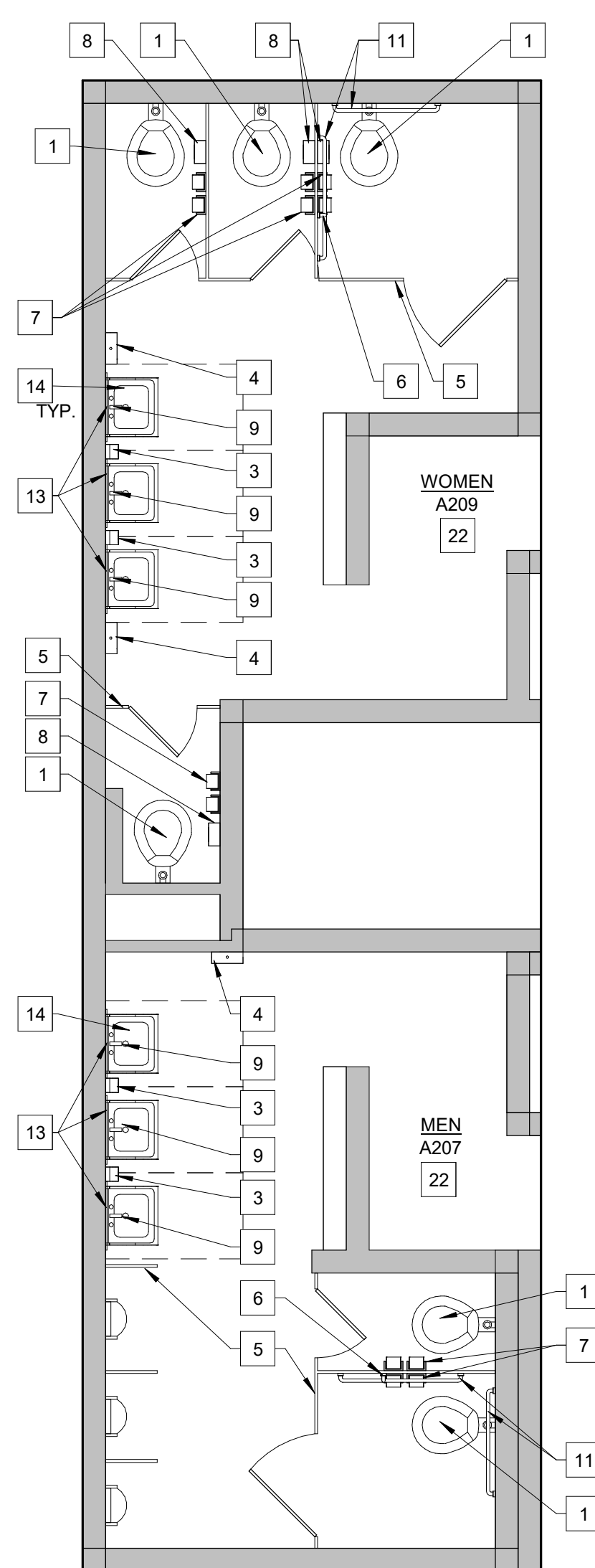
1 MEN F115, WOMEN F117
SCALE: 1/4" = 1'-0"



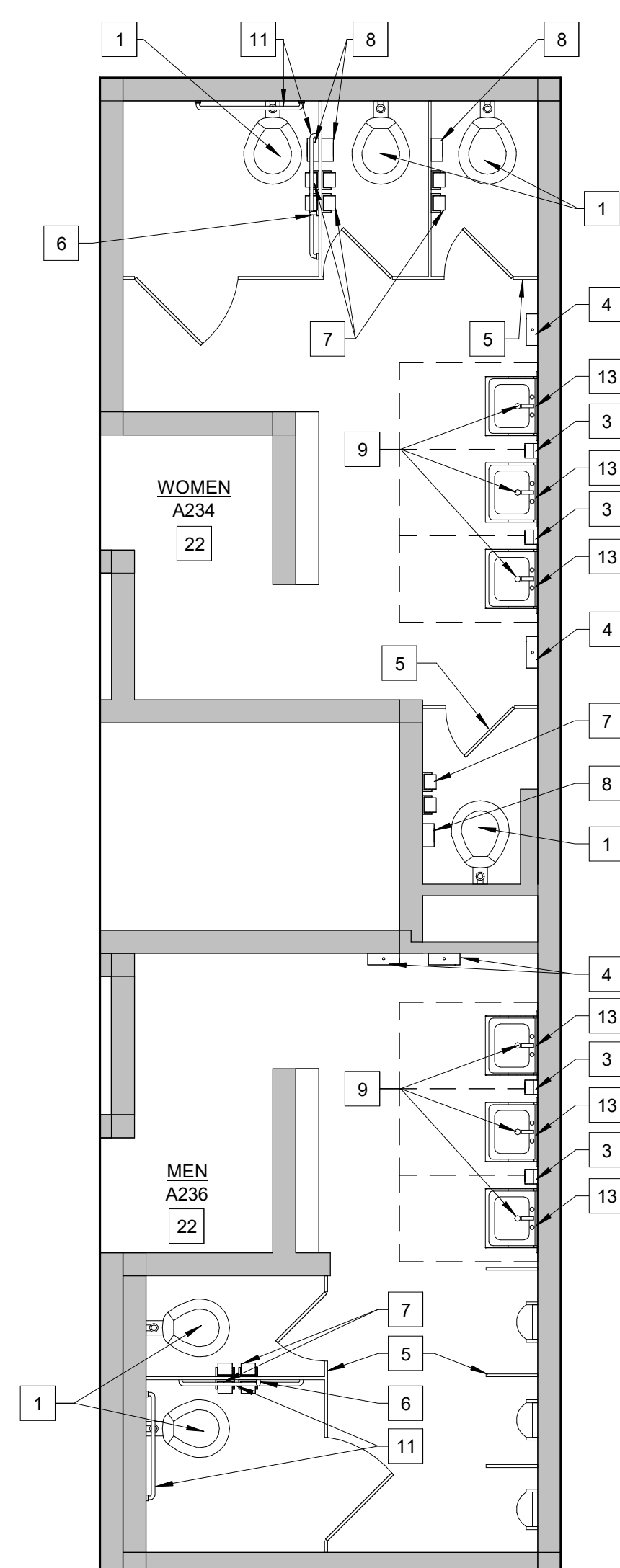
2 MEN A136, WOMEN A137
SCALE: 1/4" = 1'-0"



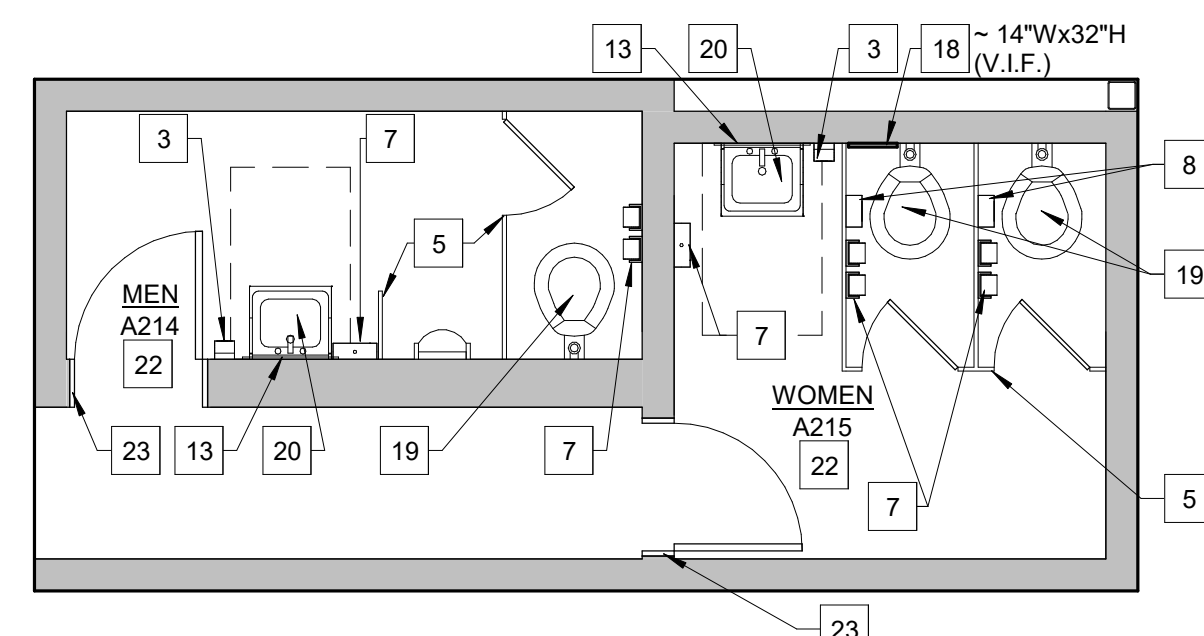
9 MEN E103, WOMEN E104
SCALE: 1/4" = 1'-0"



16 MEN A207, WOMEN A209
SCALE: 1/4" = 1'-0"



17 WOMEN A234, MEN A236
SCALE: 1/4" = 1'-0"



18 MEN A214, WOMEN A215
SCALE: 1/4" = 1'-0"

PLAN KEYNOTES

- 1 EXISTING WATER CLOSET TO BE REINSTALLED AND ADD NEW WATER CLOSET SEAT, REF. MECHANICAL.
- 2 NEW 18X36 MIRROR (REFER TO SPECIFICATION AND STANDARD MOUNTING HEIGHT)
- 3 RE-INSTALL EXISTING SOAP DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 4 RE-INSTALL EXISTING PAPER TOWEL DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 5 NEW TOILET PARTITION (REFER TO SPECIFICATION)
- 6 NEW VERTICAL GRAB BAR (REFER TO SPECIFICATION AND STANDARD MOUNTING HEIGHT)
- 7 RE-INSTALL EXISTING TOILET PAPER DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 8 RE-INSTALL EXISTING SANITARY NAPKIN DISPOSAL (REFER TO STANDARD MOUNTING HEIGHT)
- 9 REINSTALL EXISTING SINK AND ADD NEW FAUCET (REFER TO SPECIFICATION)
- 10 RELOCATE EXISTING SOAP DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 11 RE-INSTALL EXISTING GRAB BAR (REFER TO STANDARD MOUNTING HEIGHT)
- 12 NEW PAPER TOWEL DISPENSER, OWNER PROVIDED (REFER TO STANDARD MOUNTING HEIGHT)
- 13 RE-INSTALL EXISTING MIRROR (REFER TO STANDARD MOUNTING HEIGHT)
- 14 REPLACE MISSING PLUMBING COVER.
- 15 NEW URINAL (REFER TO STANDARD MOUNTING HEIGHT), REF. MECHANICAL.
- 16 NEW PAPER TOWEL DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 17 INSTALL NEW FLUSH VALVE, REF. MECHANICAL
- 18 INSTALL NEW STAINLESS STEEL PLATE COVER
- 19 NEW WATER CLOSET AND SEAT, REF. MECHANICAL.
- 20 NEW SINK AND FAUCET (REFER TO STANDARD MOUNTING HEIGHT), REF. MECHANICAL
- 22 PAINT ALL WALLS P-1 (REFER TO FINISH LEGEND).
- 23 PAINT EXISTING DOOR FRAME TO MATCH EXIST.
- 24 PATCH, REPAIR AND PAINT WHERE EXISTING PARTITION WAS LOCATED.
- 25 PAINT EXISTING JUNCTION BOX P-1.
- 26 NEW TOILET PAPER DISPENSER (REFER TO STANDARD MOUNTING HEIGHT)
- 27 REAPPLY SEALANT AT JOINT BETWEEN FLOOR AND WALL.

PLAN GENERAL NOTES:

1. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE MEP SCOPE.
2. PLAN DIMENSIONS DO NOT INCLUDE WALL THICKNESS.
3. ALL AREAS DAMAGED BY DEMOLITION WORK ARE TO BE PATCHED AND REPAIRED OR REPLACED TO MATCH ADJACENT SURFACES.
4. PATCH AND REPAIR REMAINING WALLS: AT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION POINTS WITH SIMILAR MATERIALS IN SIZE, COLOR AND TEXTURE.
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12. APPLY NEW SEALANT AROUND ALL EXISTING PLUMBING FIXTURES.
13. ALL EXISTING PLUMBING FIXTURES TO REMAIN, UNLESS OTHERWISE NOTED.
14. POWERWASH ALL EXISTING TILE FLOORING.

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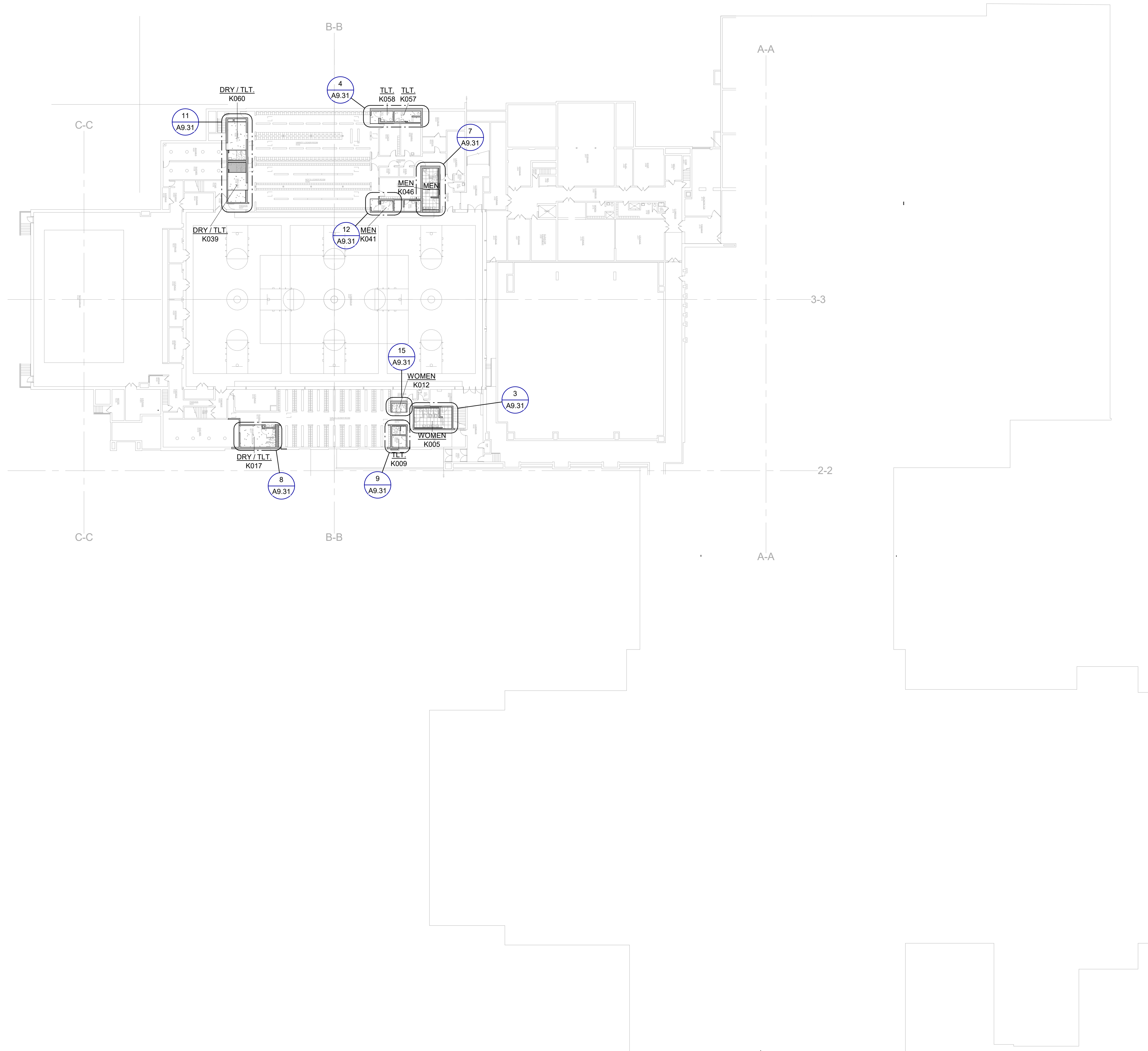
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SN	MANUFACTURER	COLOR	REMARKS
INTERIOR PAINT			
P-1	SHERWIN WILLIAMS	SW 7044 AMAZING GRAY	
P-2	SHERWIN WILLIAMS	SW 7757 HIGH REFLECTIVE WHITE	
P-3	SHERWIN WILLIAMS	MATCH EXISING	EXIST. DOOR FRAMES
TOILET PARTITION			
TP-1	SCRANTON	NICKEL HAMMERED	

PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**

BAY CITY, MICHIGAN

SHEET TITLE
ENLARGED PLANS

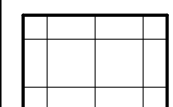
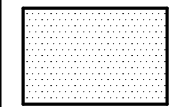
PROJECT NUMBER 2019113.33	SHEET NUMBER
PROJECT DATE 2024	A2.22
CHECKED BY Checker	



CEILING PLAN GENERAL NOTES:

1. ALL NOTED CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR BELOW.
2. ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION AND TO CENTERLINE OF LIGHT FIXTURES U.O.N.
3. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF DEVICES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
4. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF FIXTURES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
5. ALL PLASTER CEILINGS AND CEILING GRIDS TO BE PAINTED P-2.

REFLECTED CEILING LEGEND:

-  2' x 2' SUSPENDED ACOUSTICAL TILE
-  GYPSUM BOARD OR PLASTER CEILING

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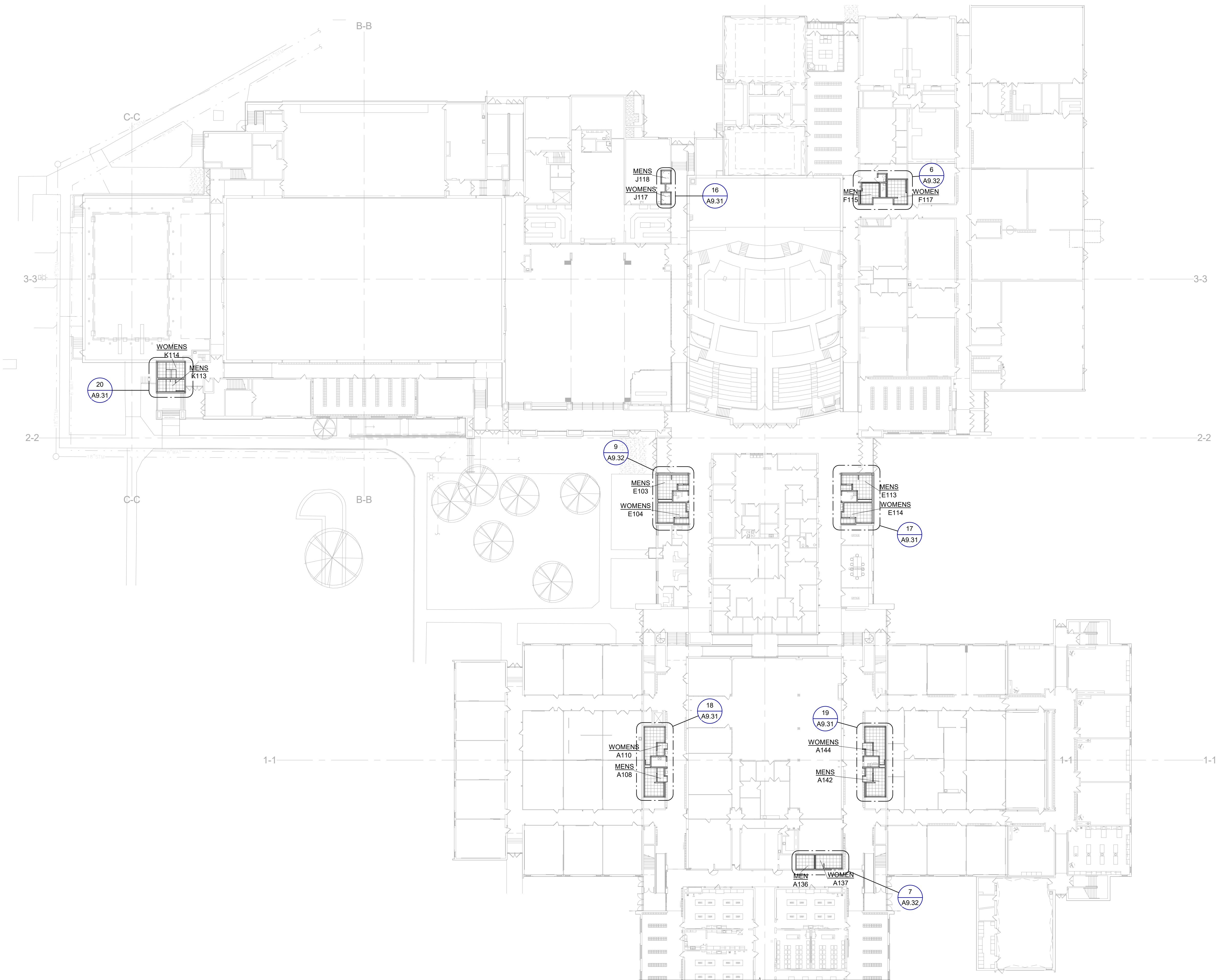
PROJECT TITLE
 TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
 BAY CITY PUBLIC
 SCHOOLS**
 BAY CITY, MICHIGAN

SHEET TITLE
**LOWER LEVEL
 REFLECTED CEILING
 MASTER PLAN**

PROJECT NUMBER 2019113.33	SHEET NUMBER A9.01
PROJECT DATE 2024	
CHECKED BY Checker	

 **LOWER LEVEL REFLECTED CEILING MASTER PLAN**
 NORTH SCALE: 1" = 30'-0"

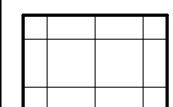
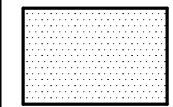
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CEILING PLAN GENERAL NOTES:

1. ALL NOTED CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR BELOW.
2. ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION AND TO CENTERLINE OF LIGHT FIXTURES U.O.N.
3. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF DEVICES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
4. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF FIXTURES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
5. ALL PLASTER CEILINGS AND CEILING GRIDS TO BE PAINTED P-2.

REFLECTED CEILING LEGEND:

-  2' x 2' SUSPENDED ACOUSTICAL TILE
-  GYPSUM BOARD OR PLASTER CEILING

NO.	REVISION	DATE

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PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
 WESTERN HIGH SCHOOL
 BAY CITY PUBLIC
 SCHOOLS**
 BAY CITY, MICHIGAN

SHEET TITLE
**FIRST FLOOR REFLECTED
 CEILING MASTER PLAN**

PROJECT NUMBER 2019113.33	SHEET NUMBER A9.02
PROJECT DATE 2024	
CHECKED BY Checker	

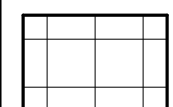
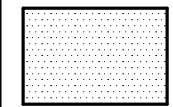
 **FIRST FLOOR REFLECTED CEILING MASTER PLAN**
 NORTH SCALE: 1" = 30'-0"

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CEILING PLAN GENERAL NOTES:

1. ALL NOTED CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR BELOW.
2. ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION AND TO CENTERLINE OF LIGHT FIXTURES U.O.N.
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4. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF FIXTURES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
5. ALL PLASTER CEILINGS AND CEILING GRIDS TO BE PAINTED P-2.

REFLECTED CEILING LEGEND:

-  2' x 2' SUSPENDED ACOUSTICAL TILE
-  GYPSUM BOARD OR PLASTER CEILING



NO.	REVISION	DATE

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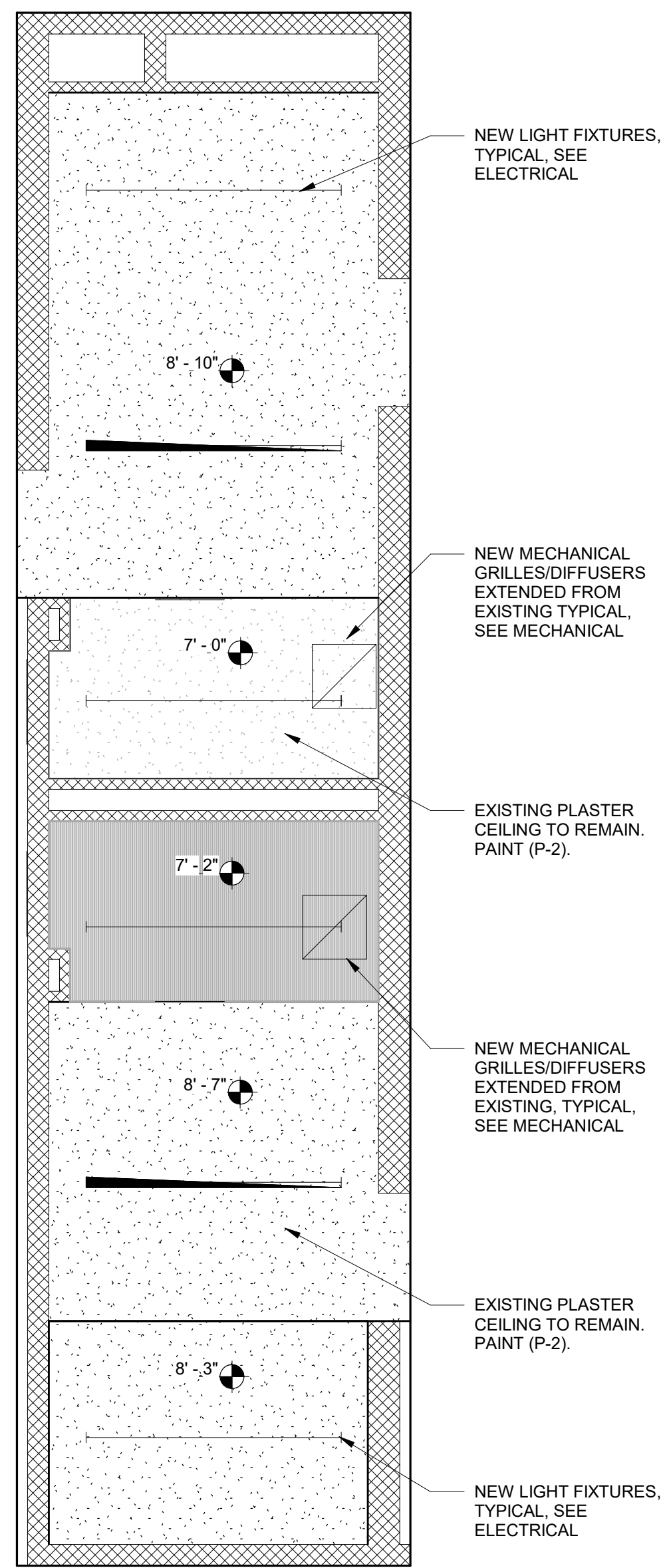
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PROJECT TITLE
 TOILET ROOM RENOVATIONS FOR:
**WESTERN HIGH SCHOOL
 BAY CITY PUBLIC
 SCHOOLS**
 BAY CITY, MICHIGAN

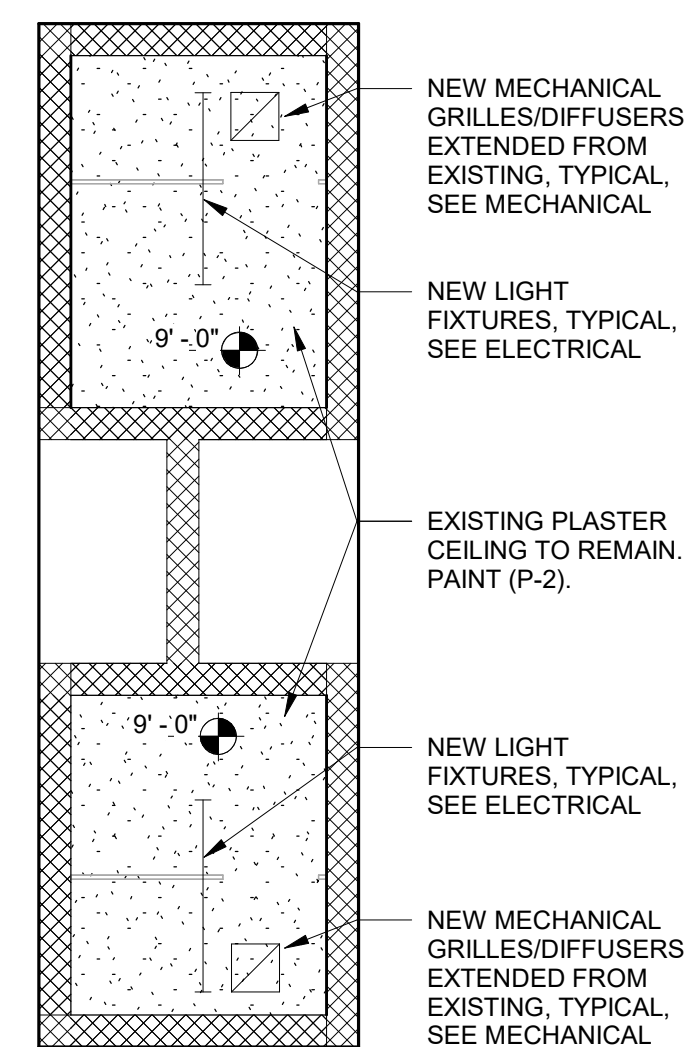
SHEET TITLE
**SECOND FLOOR
 REFLECTED CEILING
 MASTER PLAN**

PROJECT NUMBER 2019113.33	SHEET NUMBER A9.03
PROJECT DATE 2024	
CHECKED BY Checker	

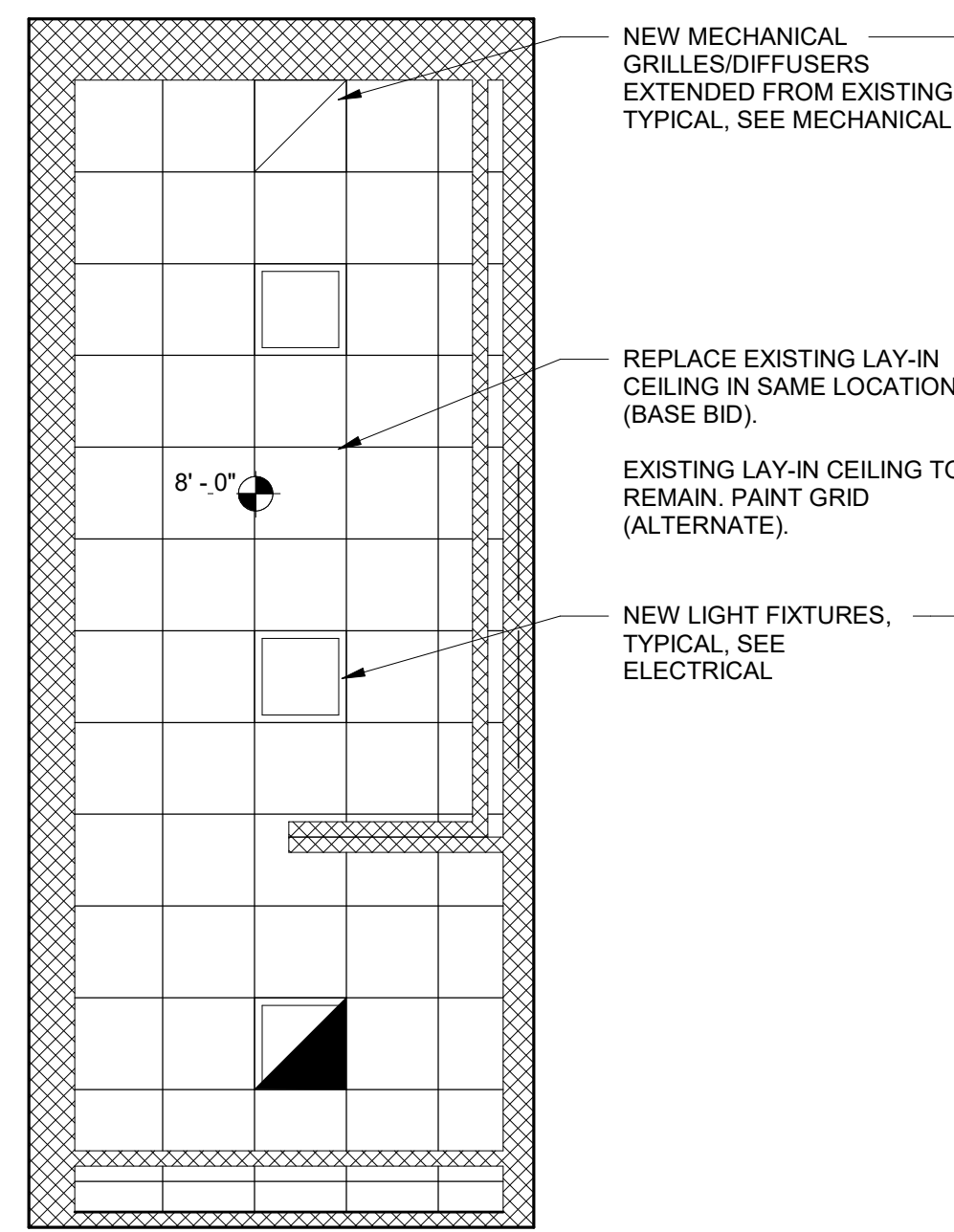
 **SECOND FLOOR REFLECTED CEILING MASTER PLAN**
 NORTH SCALE: 1" = 30'-0"



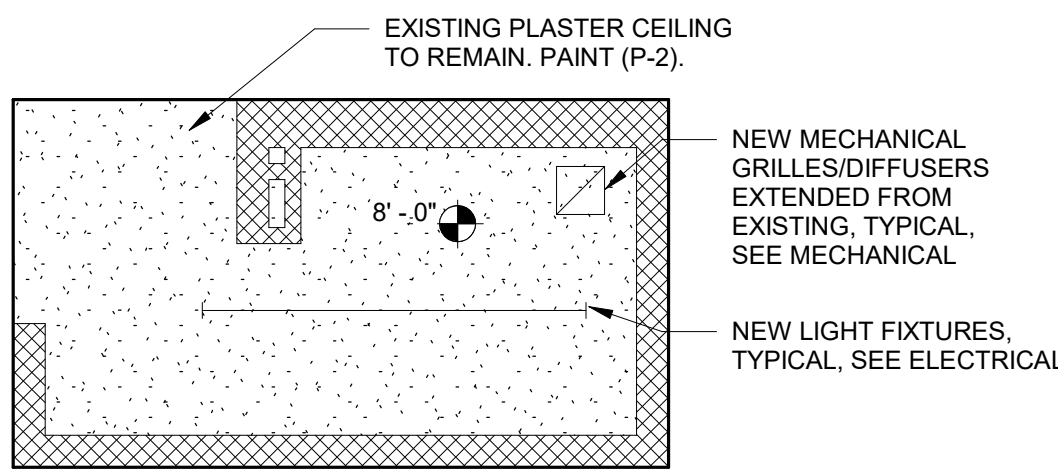
11 DRY / TLT. K060 & K039
A9.31 SCALE: 1/4" = 1'-0"



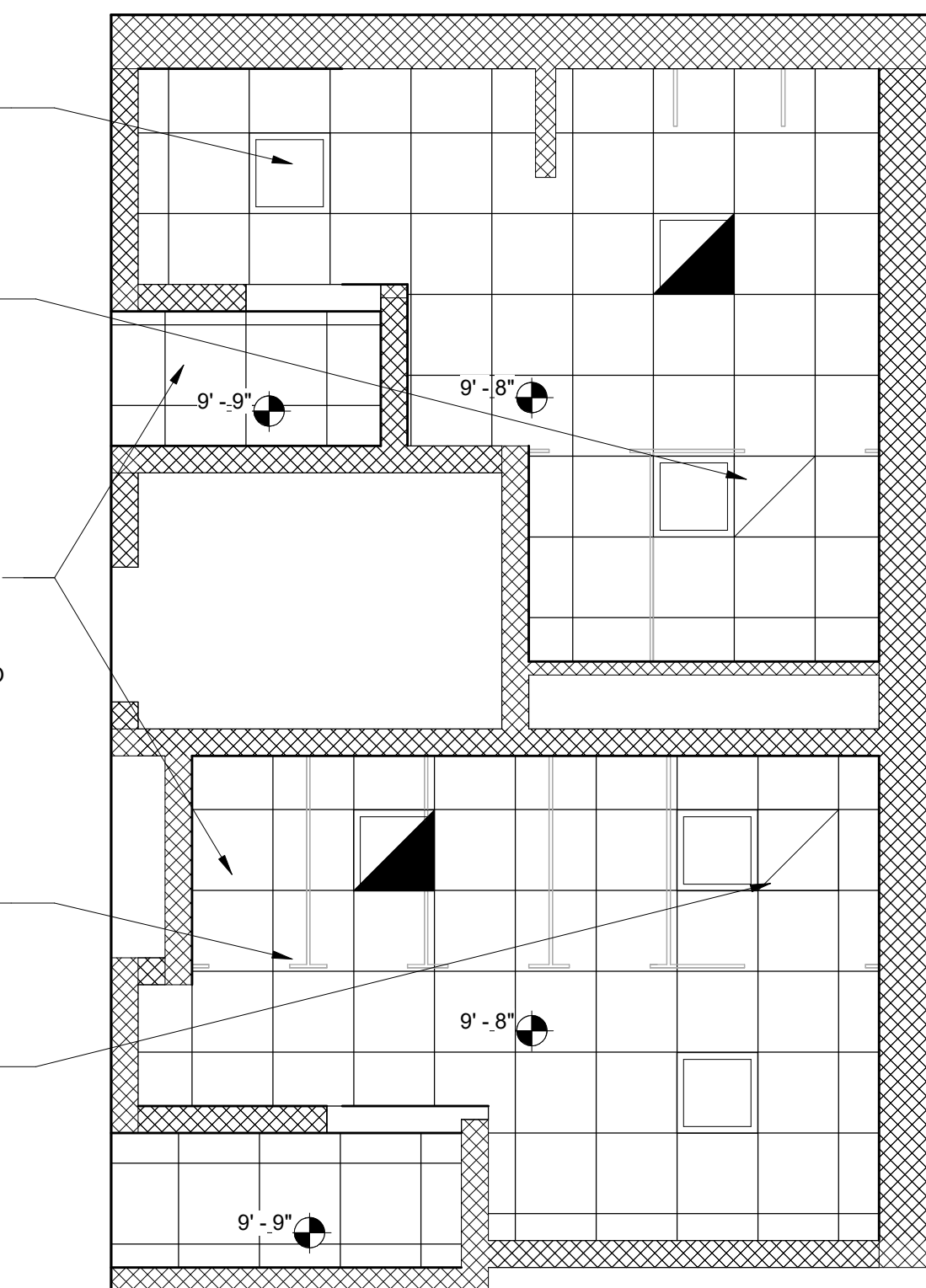
16 WOMEN J117, MENS J118
A9.31 SCALE: 1/4" = 1'-0"



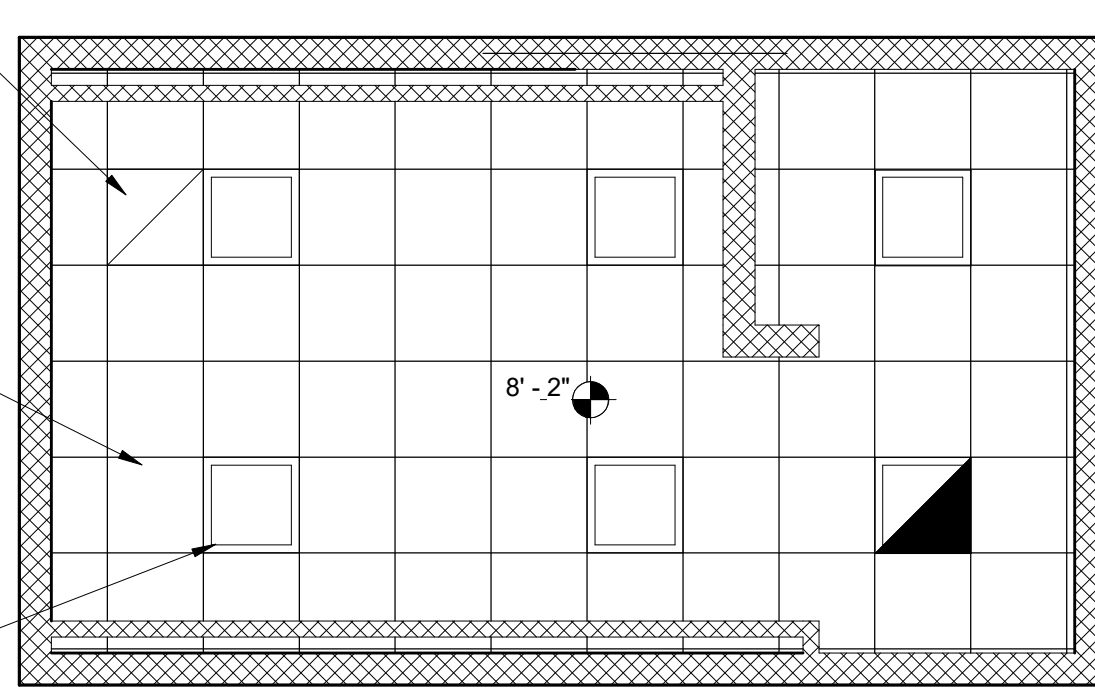
7 MEN K046
A9.31 SCALE: 1/4" = 1'-0"



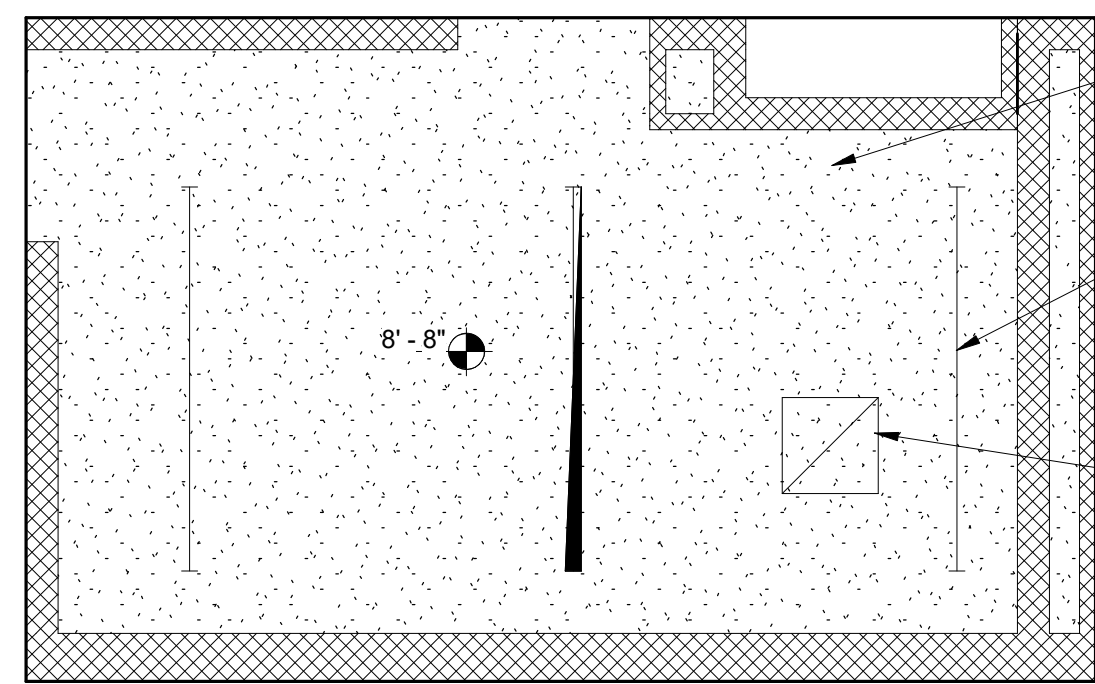
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A9.31 SCALE: 1/4" = 1'-0"



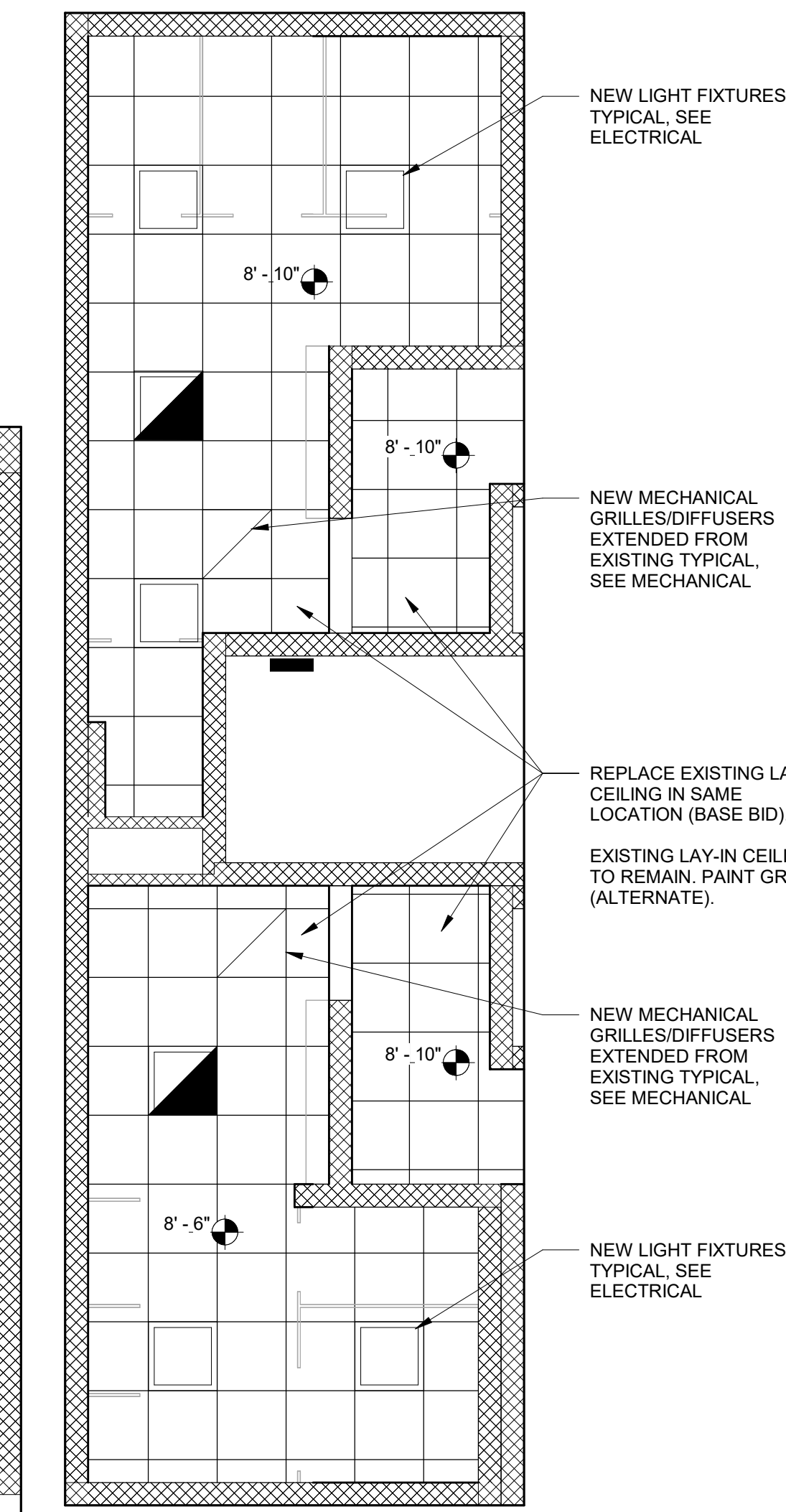
17 MEN E113, WOMEN E114
A9.31 SCALE: 1/4" = 1'-0"



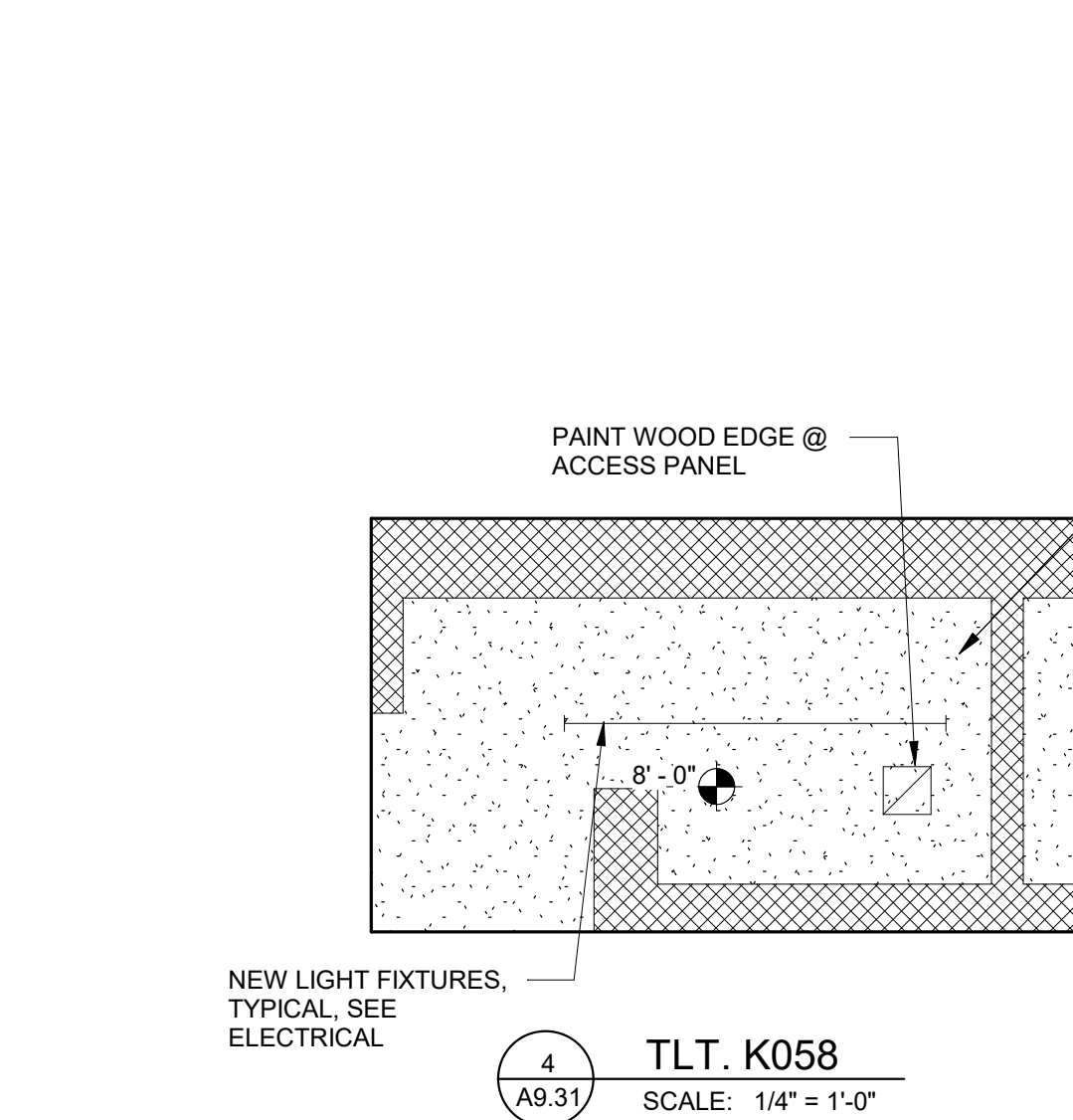
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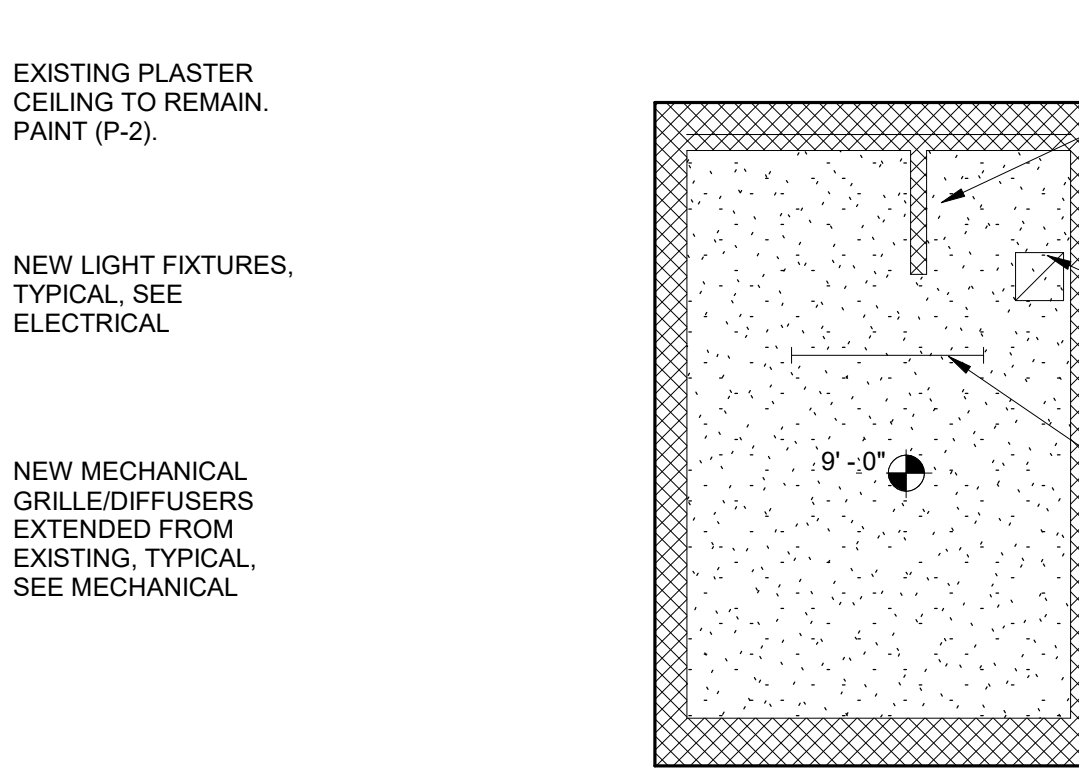
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A9.31 SCALE: 1/4" = 1'-0"



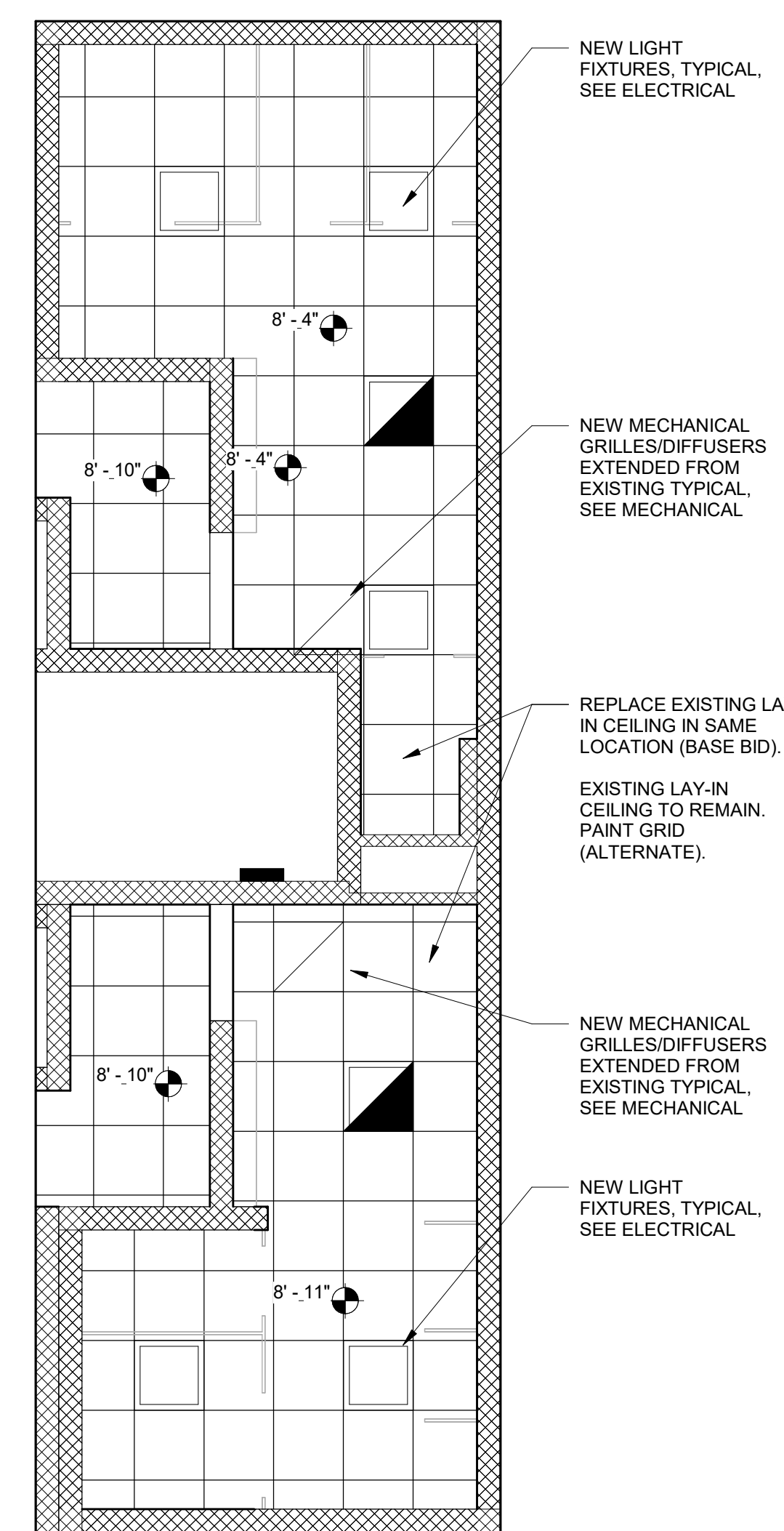
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A9.31 SCALE: 1/4" = 1'-0"



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A9.31 SCALE: 1/4" = 1'-0"

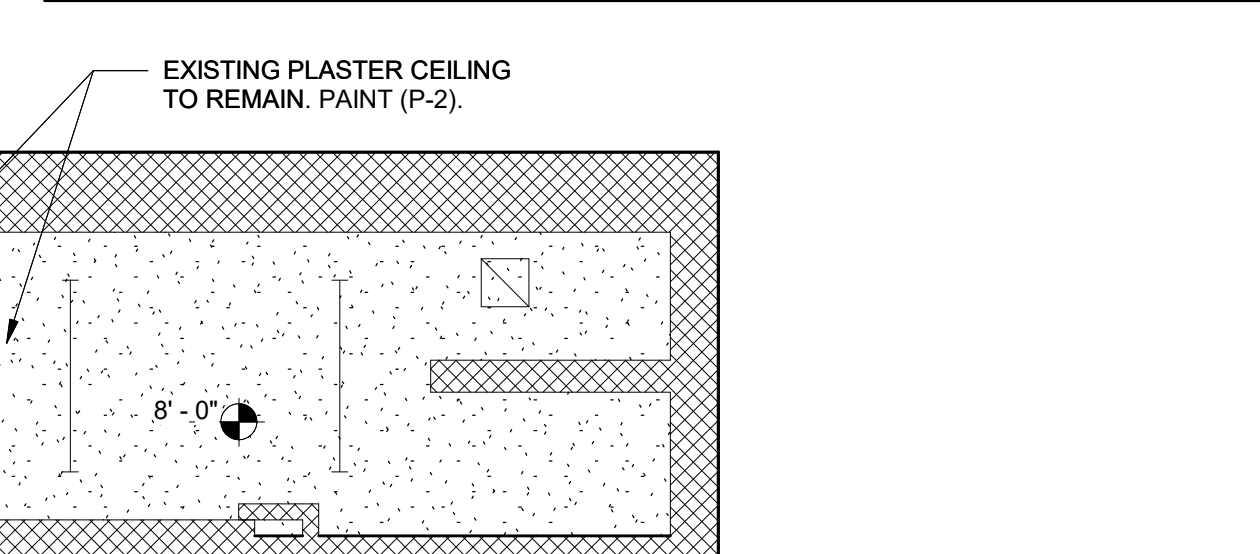


9 TLT. K009
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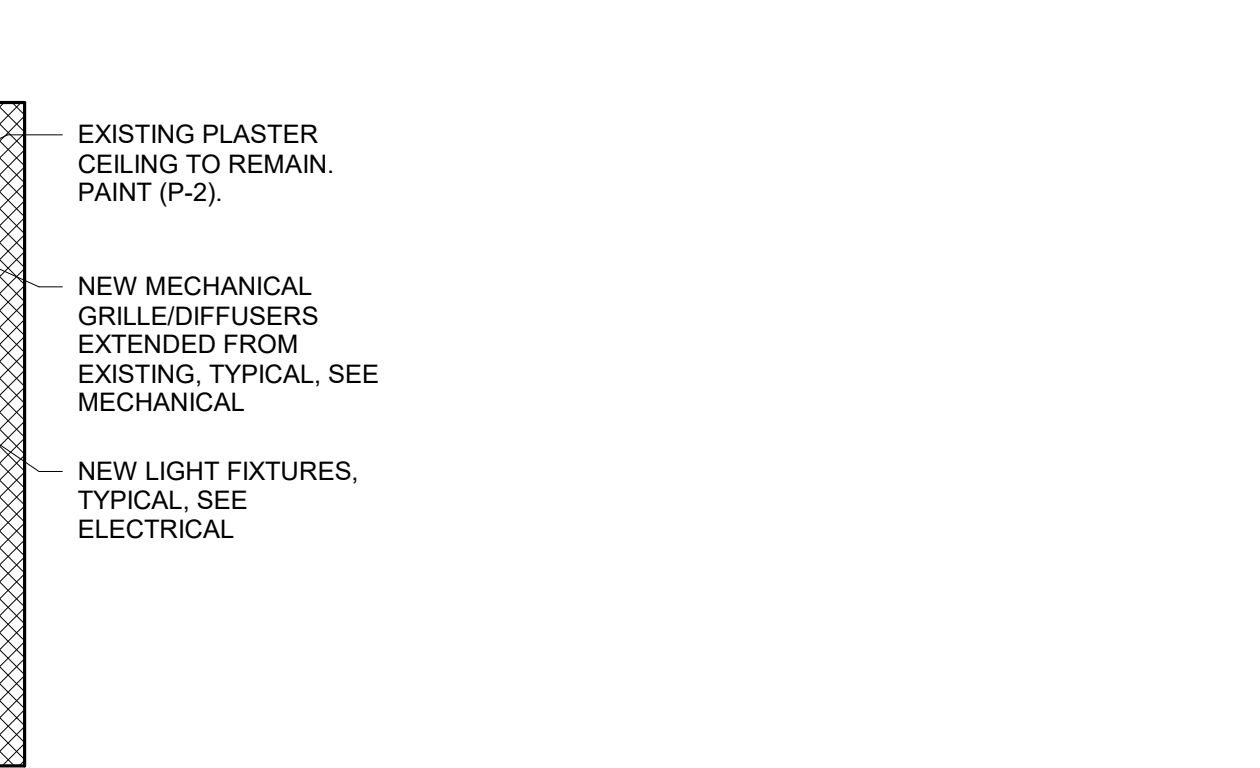


19 MEN A142, WOMEN A144
A9.31 SCALE: 1/4" = 1'-0"

MATERIAL LEGEND			
SN	MANUFACTURER	COLOR	REMARKS
INTERIOR PAINT			
P-1	SHERWIN WILLIAMS	SW 7044 AMAZING GRAY	
P-2	SHERWIN WILLIAMS	SW 7757 HIGH REFLECTIVE WHITE	
P-3	SHERWIN WILLIAMS	MATCH EXISING	EXIST. DOOR FRAMES
TOILET PARTITION			
TP-1	SCRANTON	NICKEL HAMMERED	



15 WOMEN K012
A9.31 SCALE: 1/4" = 1'-0"



20 WOMEN K114, MEN K113
A9.31 SCALE: 1/4" = 1'-0"

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REFLECTED CEILING LEGEND:

	2' x 2' SUSPENDED ACOUSTICAL TILE
	GYPSUM BOARD OR PLASTER CEILING

NO.	REVISION	DATE

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Saginaw, Michigan 48607
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PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL
BAY CITY PUBLIC
SCHOOLS**
BAY CITY, MICHIGAN

SHEET TITLE
**ENLARGED REFLECTED
CEILING PLANS**

PROJECT NUMBER 2019113.33	SHEET NUMBER A9.31
PROJECT DATE 2024	
CHECKED BY Checker	

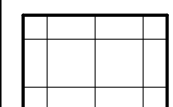
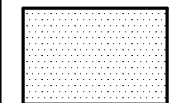
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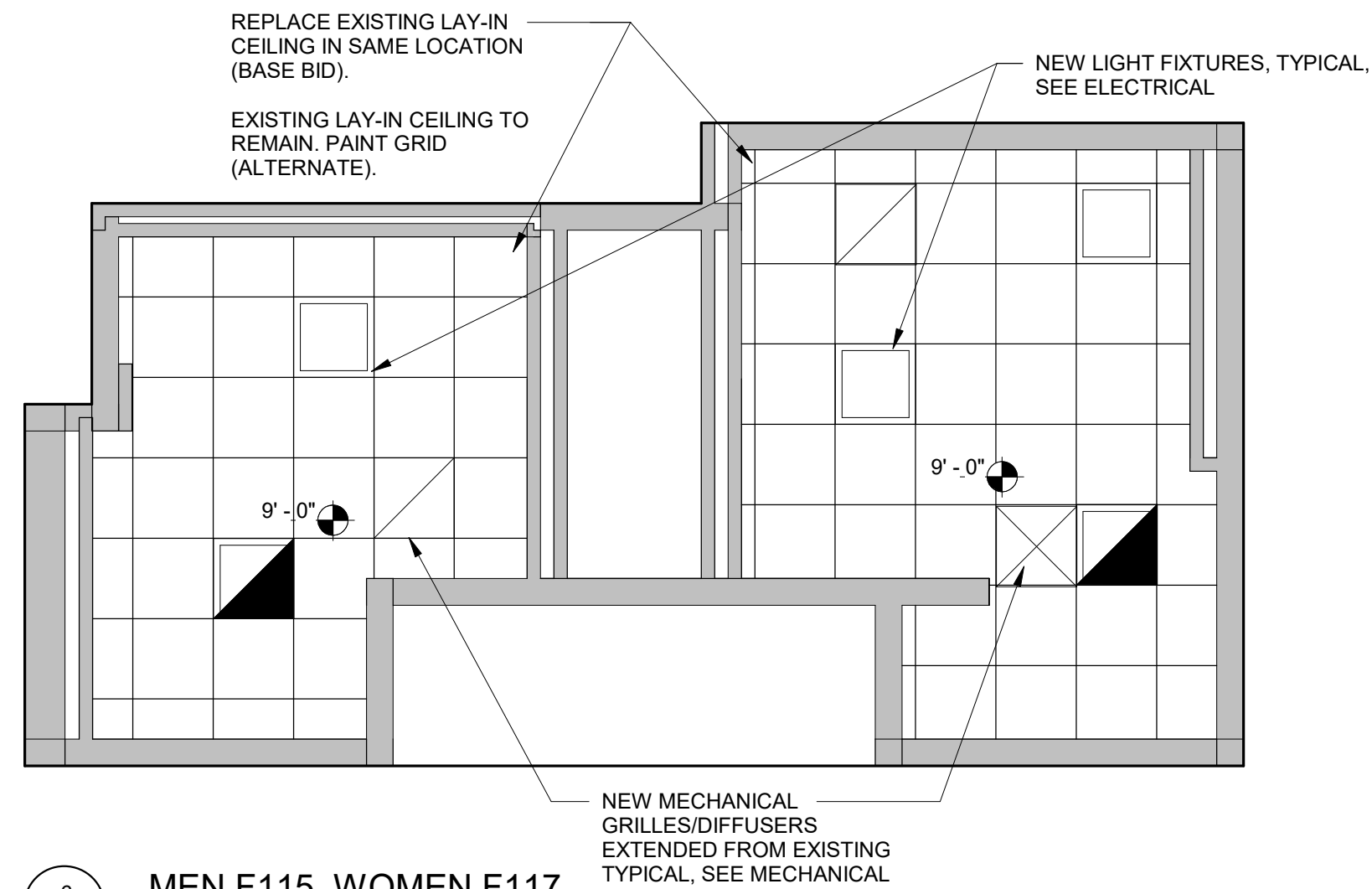
MATERIAL LEGEND			
SN	MANUFACTURER	COLOR	REMARKS
INTERIOR PAINT			
P-1	SHERWIN WILLIAMS	SW 7044 AMAZING GRAY	
P-2	SHERWIN WILLIAMS	SW 7757 HIGH REFLECTIVE WHITE	
P-3	SHERWIN WILLIAMS	MATCH EXISING	EXIST. DOOR FRAMES
TOILET PARTITION			
TP-1	SCRANTON	NICKEL HAMMERED	

CEILING PLAN GENERAL NOTES:

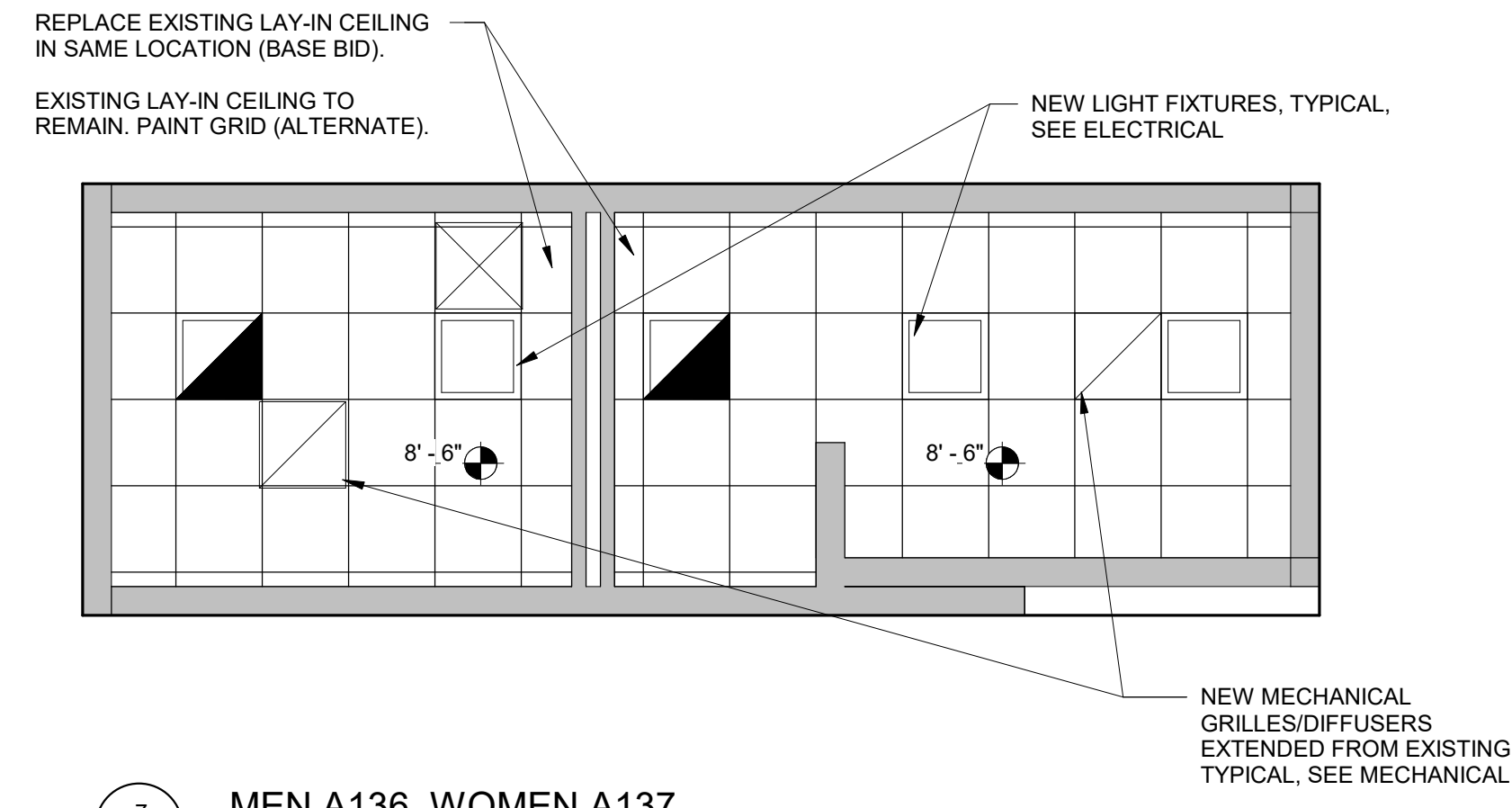
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REFLECTED CEILING LEGEND:

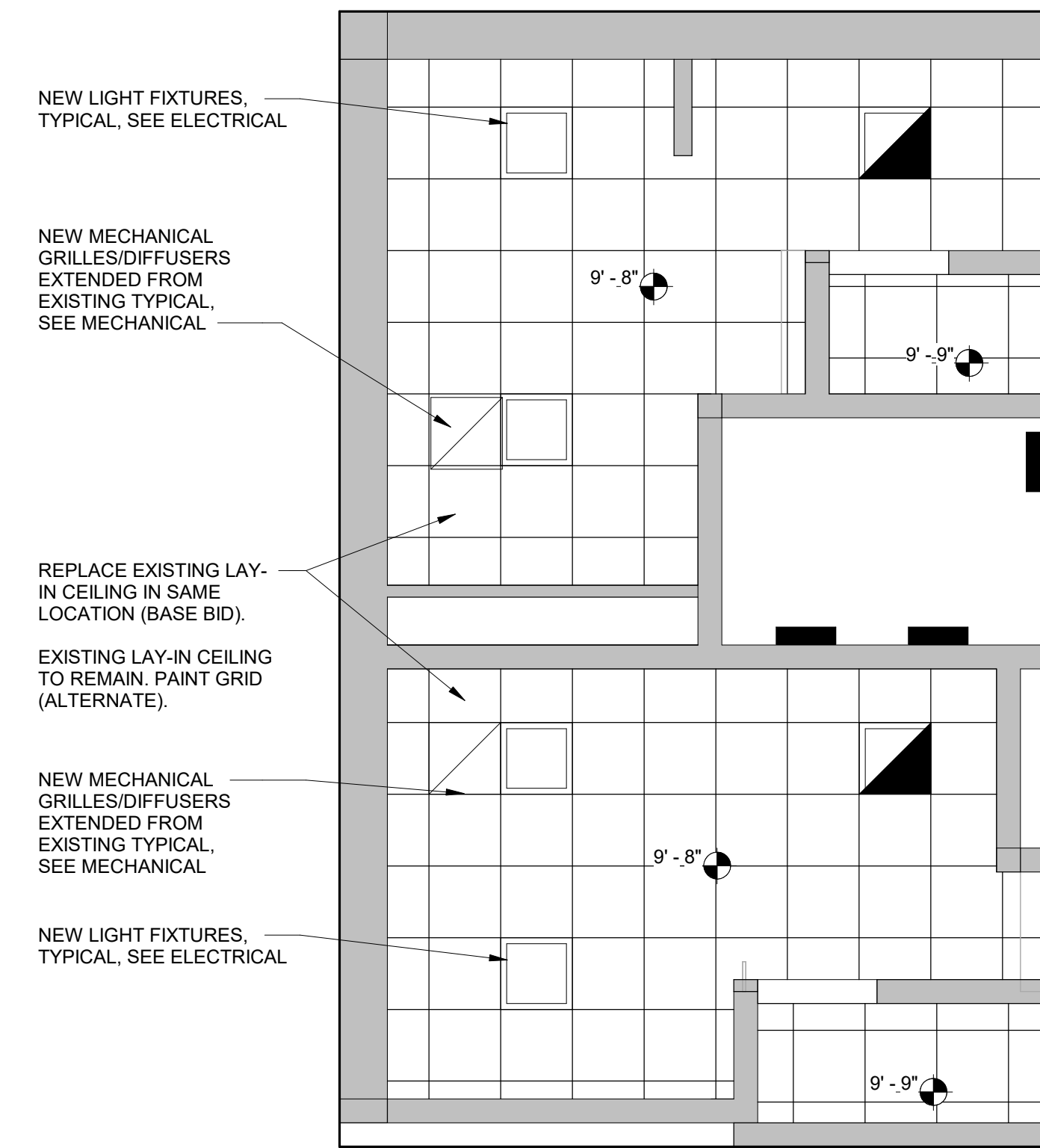
-  2' x 2' SUSPENDED ACOUSTICAL TILE
-  GYPSUM BOARD OR PLASTER CEILING



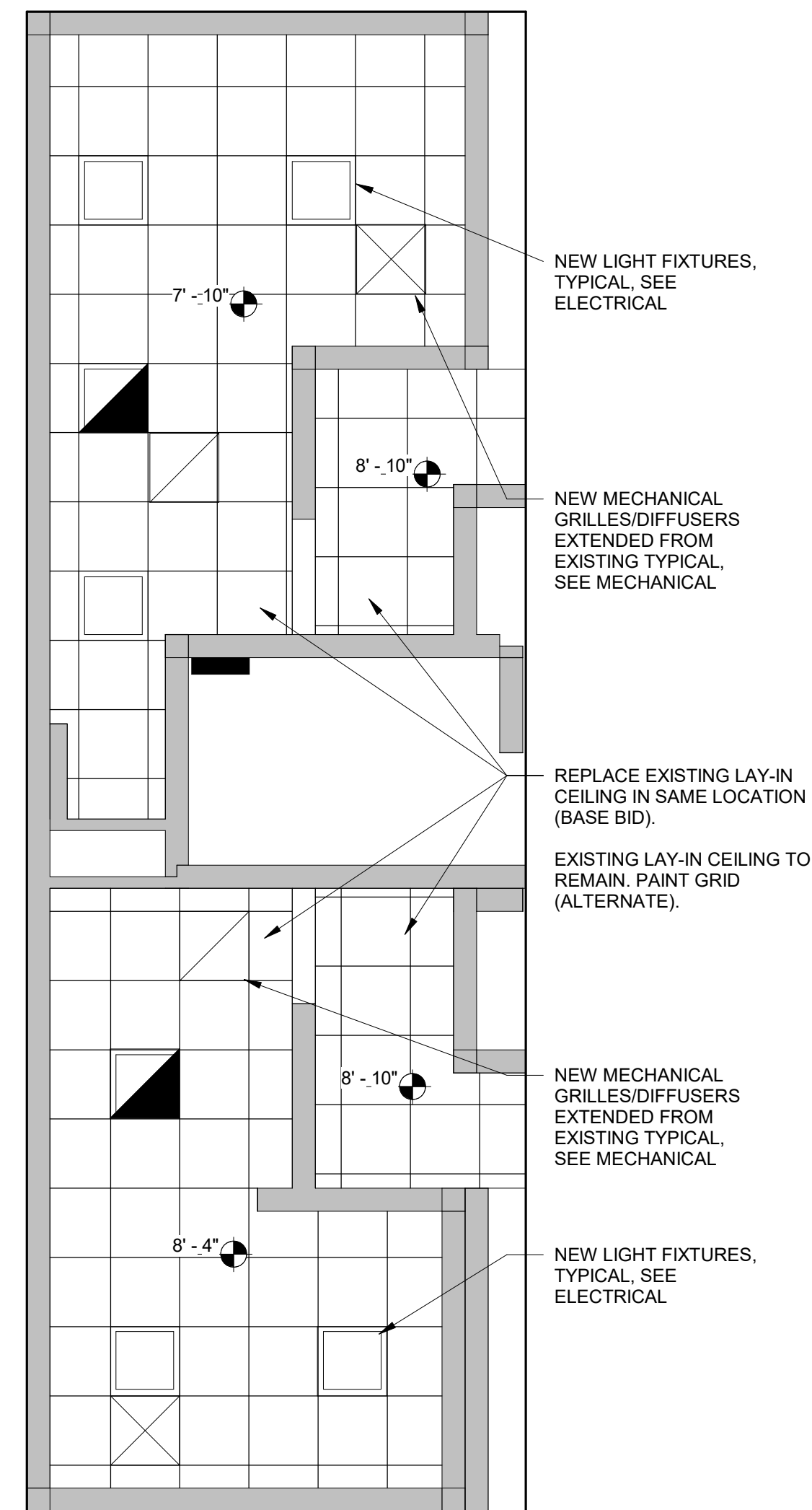
6 MEN F115, WOMEN F117
SCALE: 1/4" = 1'-0"



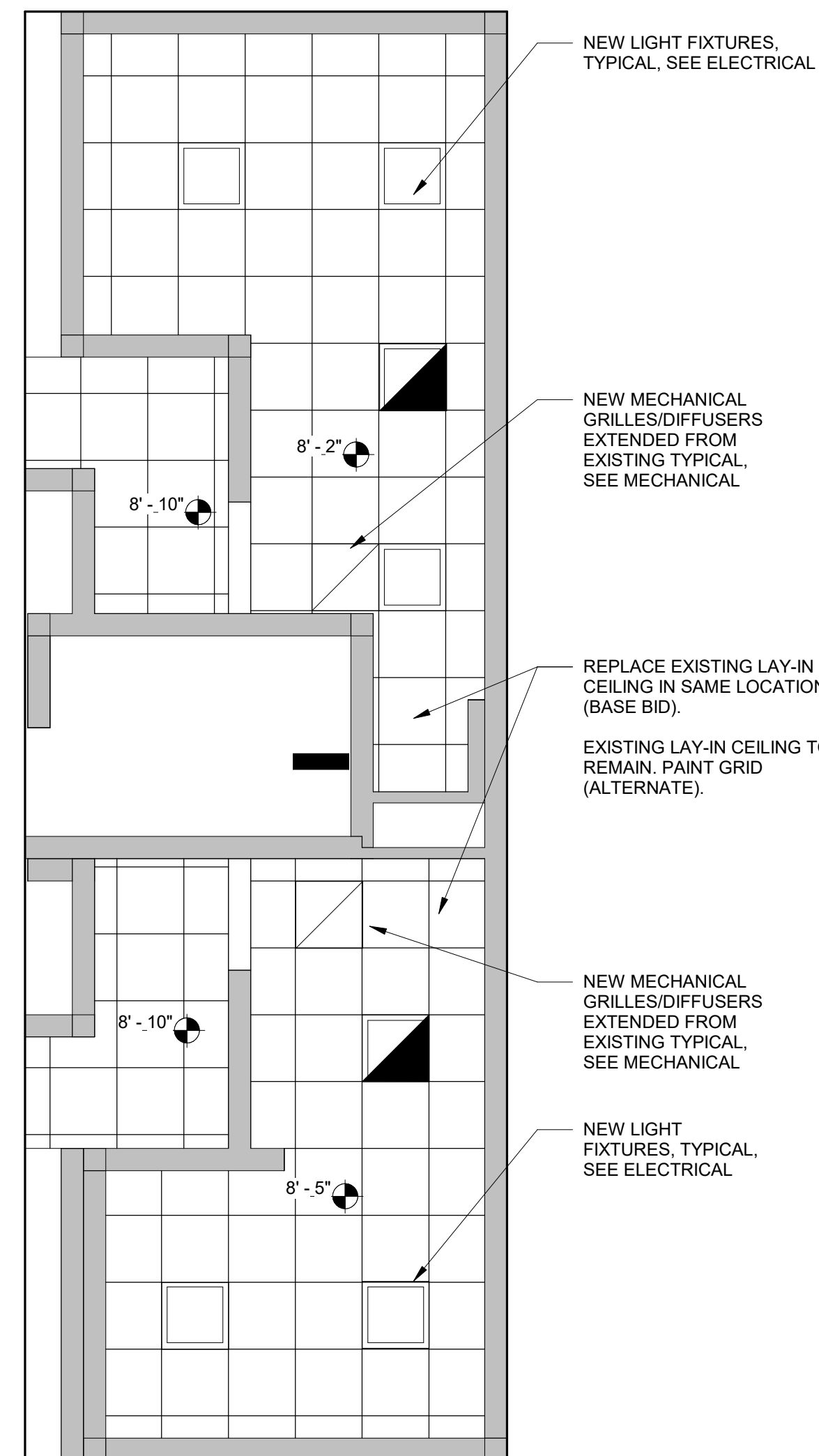
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SCALE: 1/4" = 1'-0"



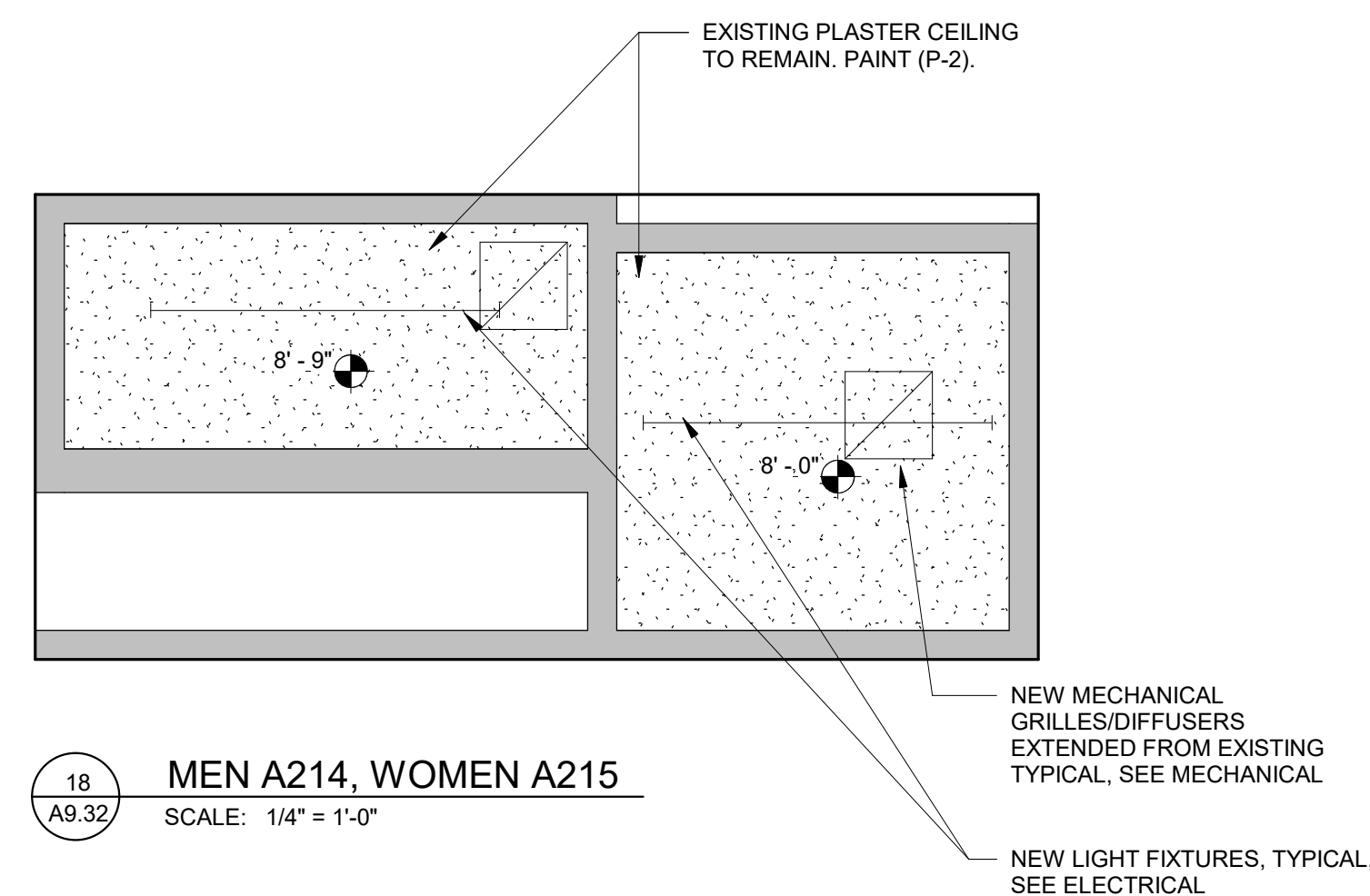
9 MEN E103, WOMEN E104
SCALE: 1/4" = 1'-0"



16 MEN A207, WOMEN A209
SCALE: 1/4" = 1'-0"



17 WOMEN A234, MEN A236
SCALE: 1/4" = 1'-0"



18 MEN A214, WOMEN A215
SCALE: 1/4" = 1'-0"

NO.	REVISION	DATE

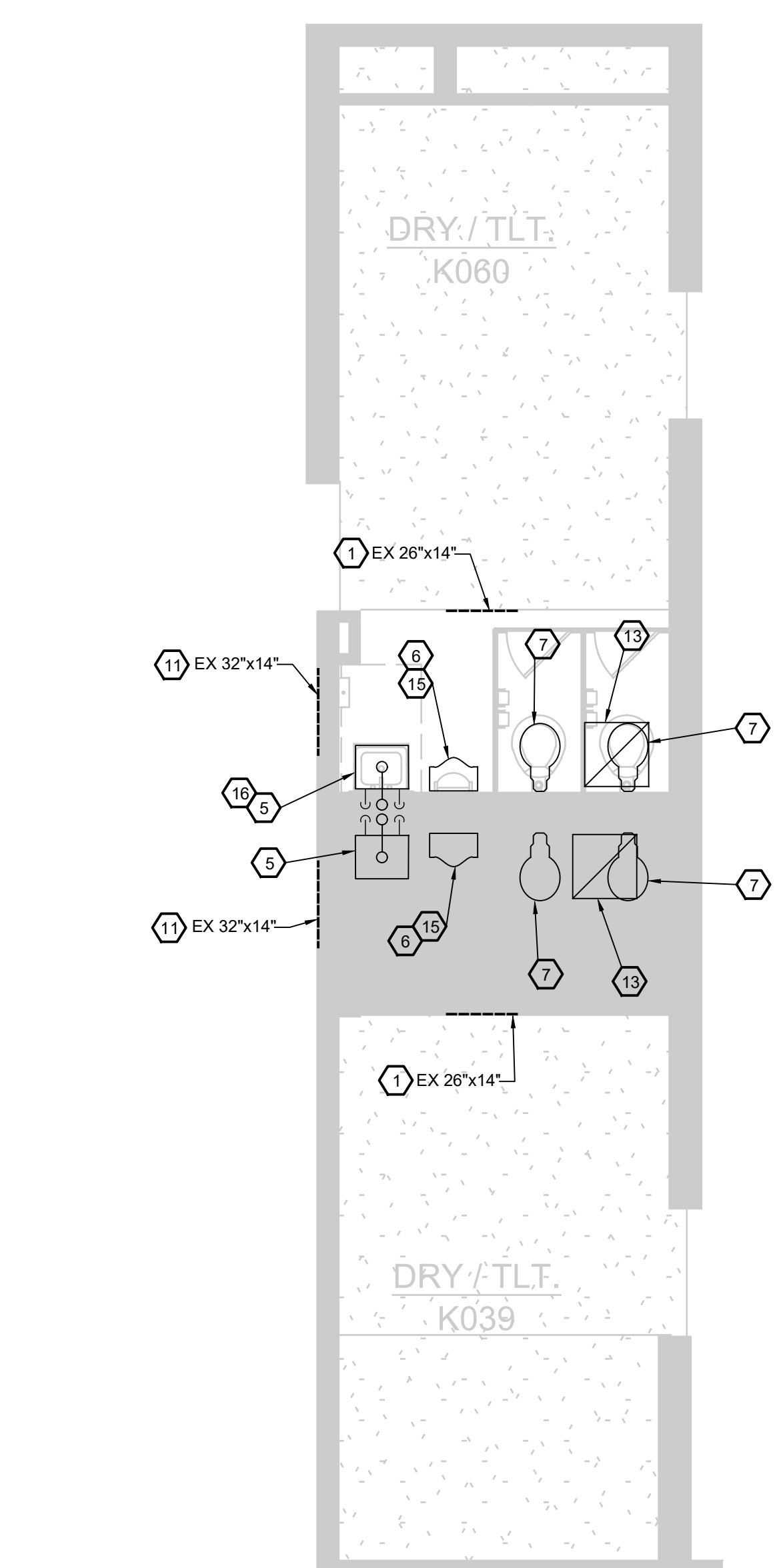
WTA ARCHITECTS
 100 S Jefferson Ave, Suite 601
 Saginaw, Michigan 48607
 989 752 8107

PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
 WESTERN HIGH SCHOOL
 BAY CITY PUBLIC
 SCHOOLS**
 BAY CITY, MICHIGAN

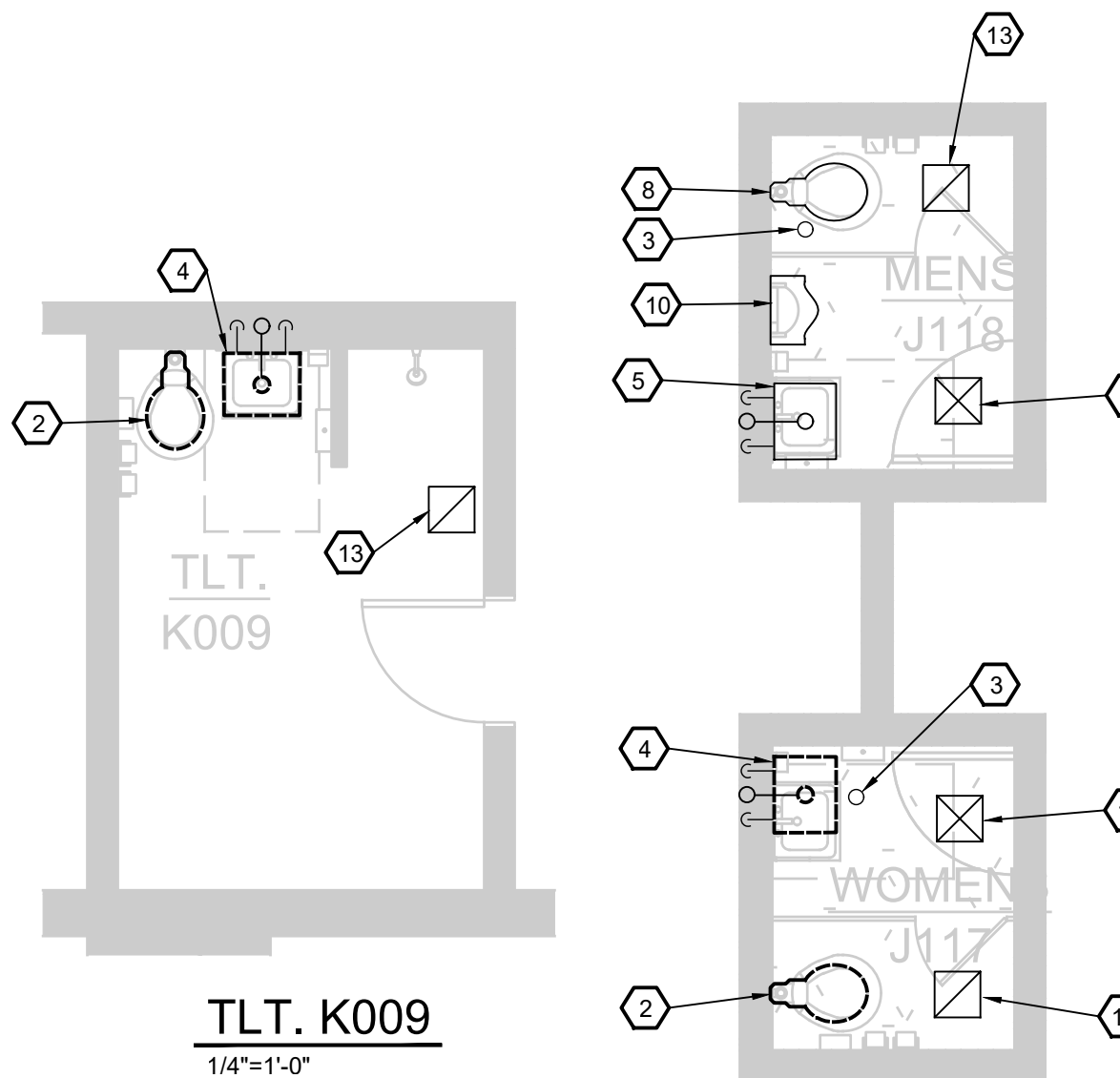
SHEET TITLE
**ENLARGED REFLECTED
 CEILING PLANS**

PROJECT NUMBER 2019113.33	SHEET NUMBER A9.32
PROJECT DATE 2024	
CHECKED BY Checker	

202021 11:22 AM
 JESSE GONWICH (JGONWICH@MACMILLANASSOCIATES.COM)
 F:\18\742024\1827 BAY CITY WESTERN TOILET RENOVATIONS\2024\1827.MXD (J) ENLARGED PLANS - MECHANICAL DEMOLITION

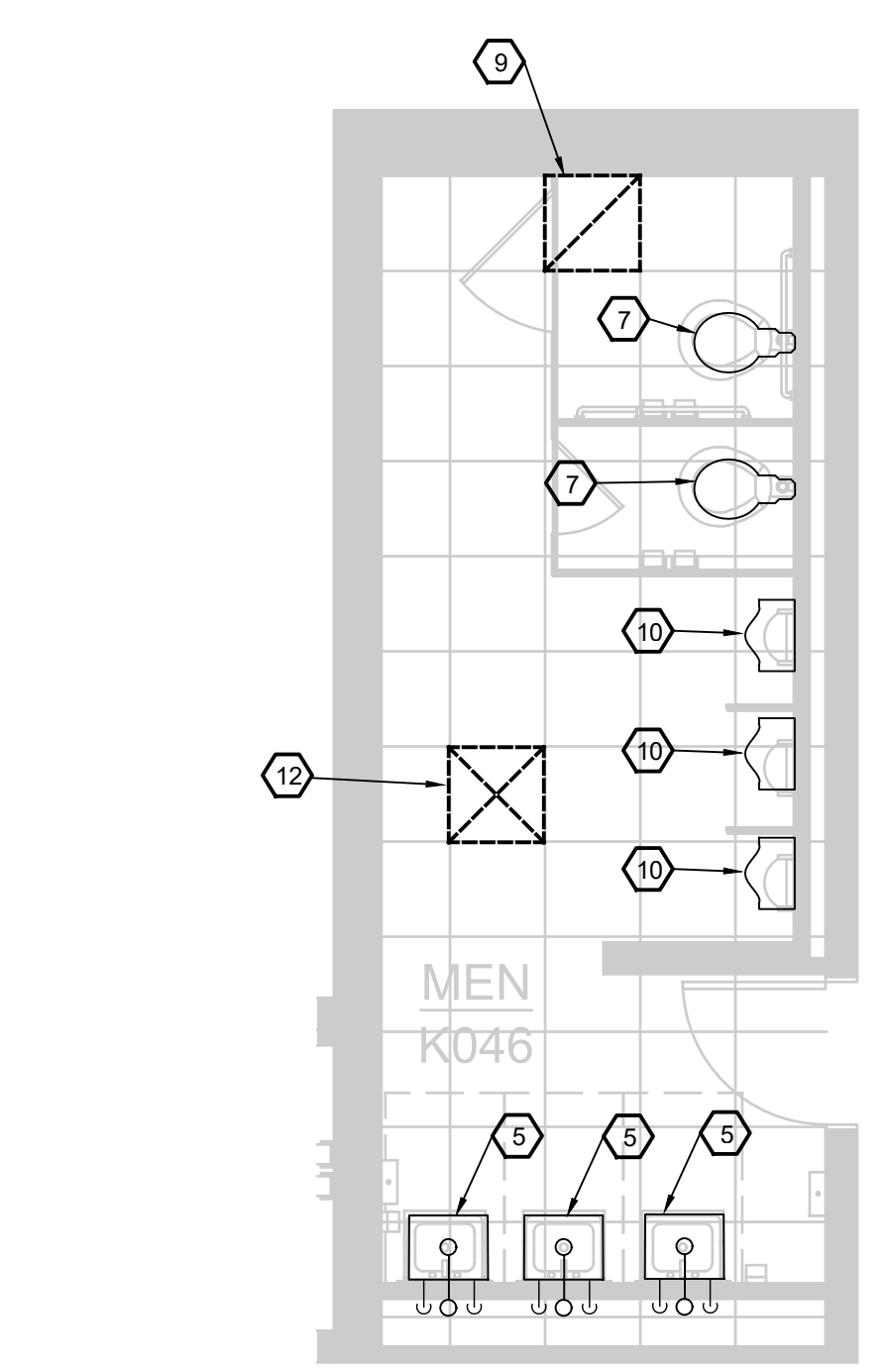


DRY/TLT. K060, K039
1/4"=1'-0"

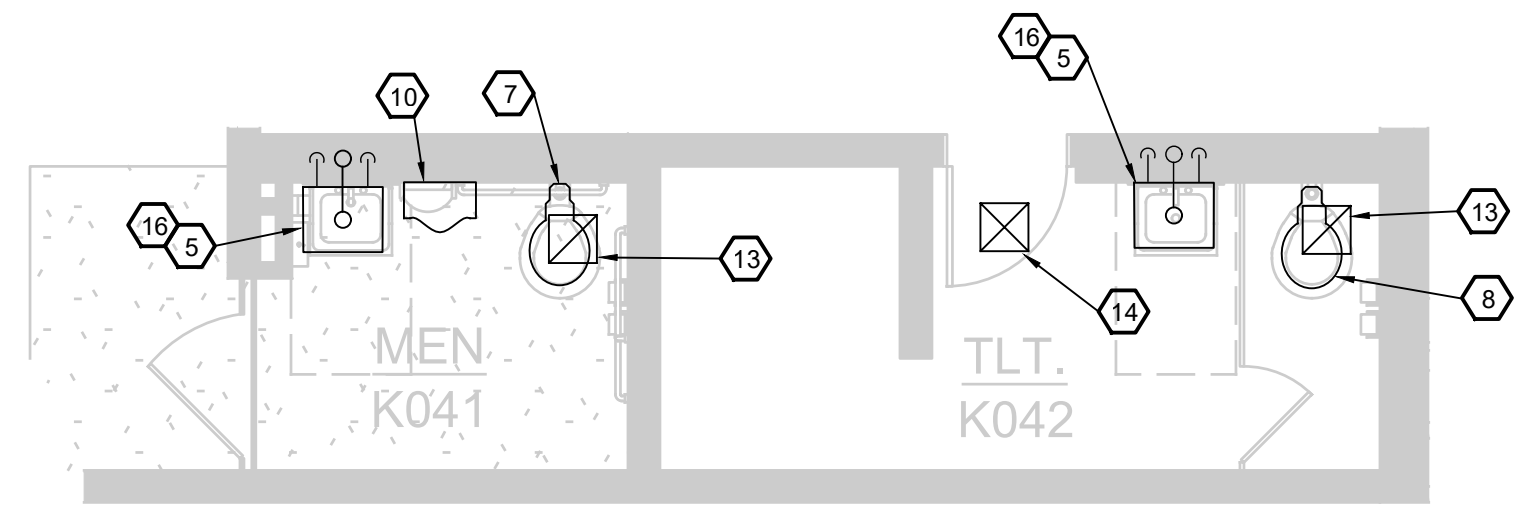


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1/4"=1'-0"

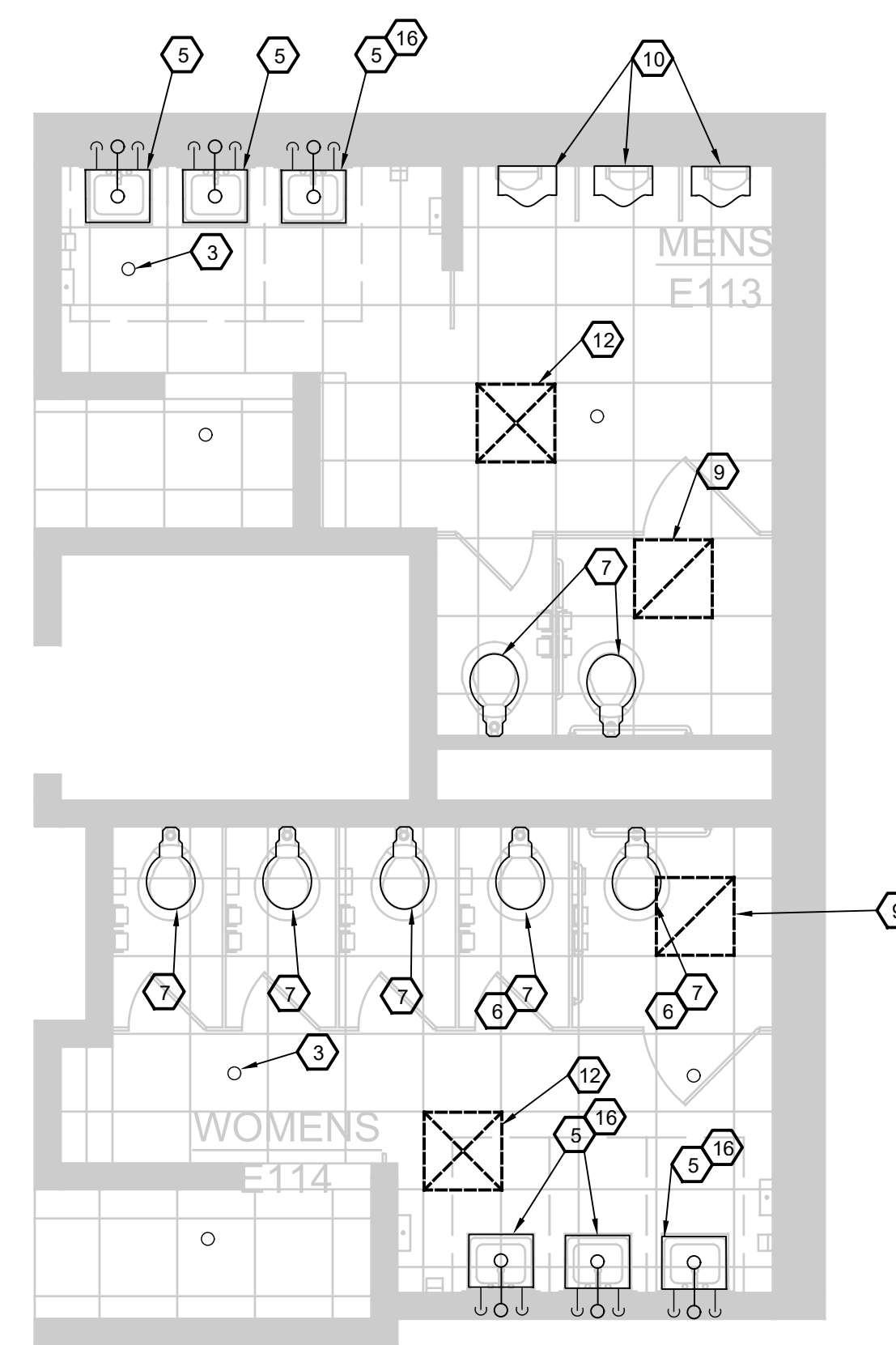
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1/4"=1'-0"



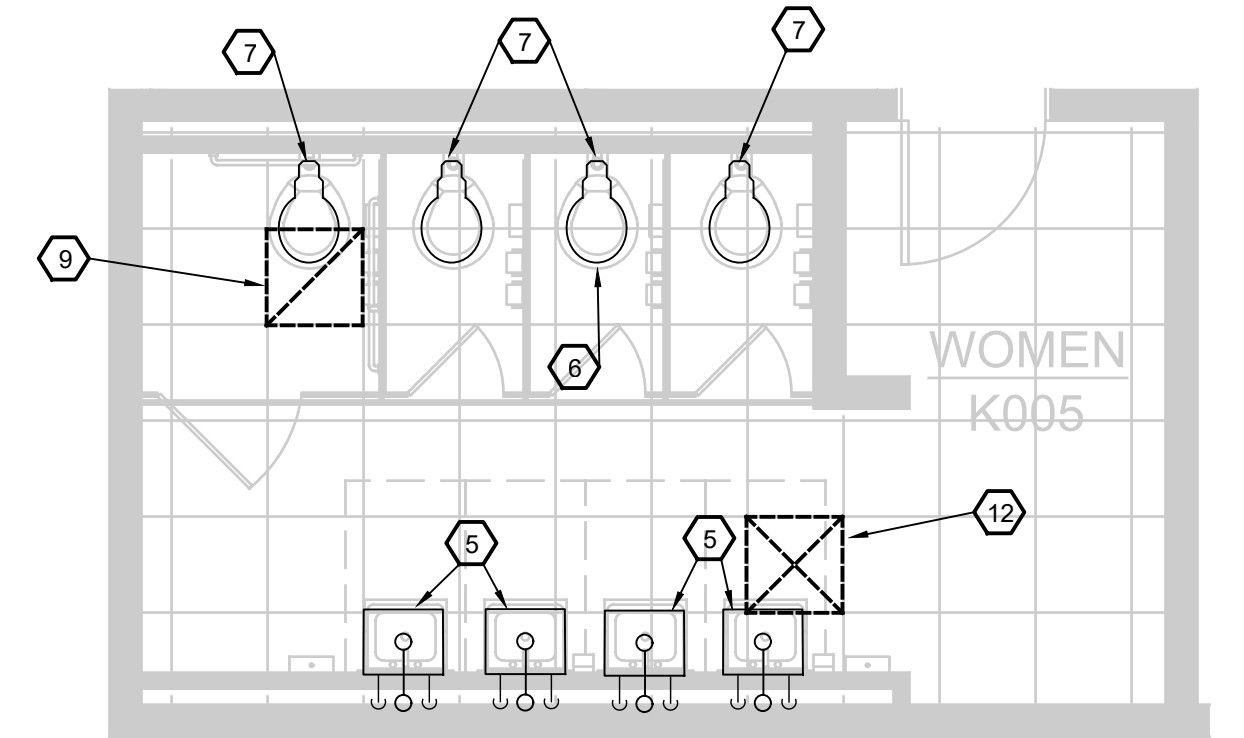
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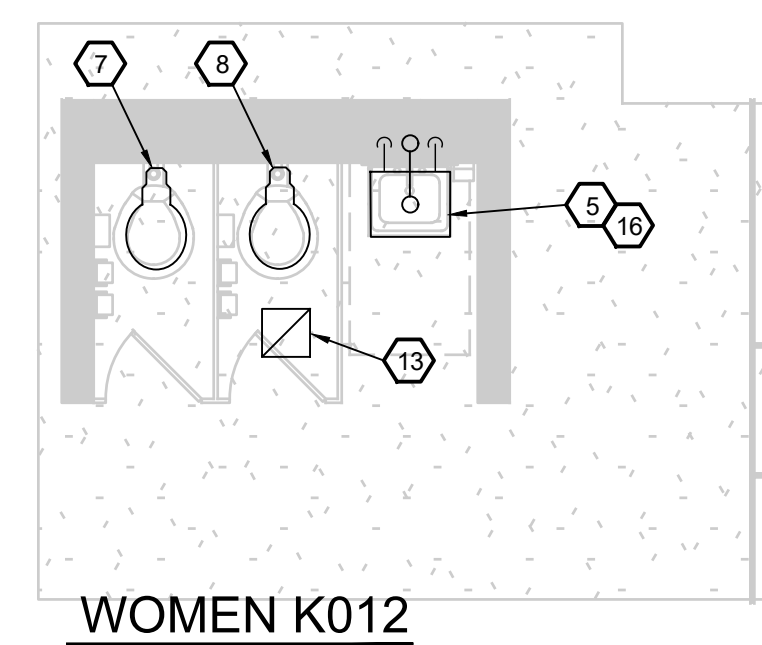
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1/4"=1'-0"



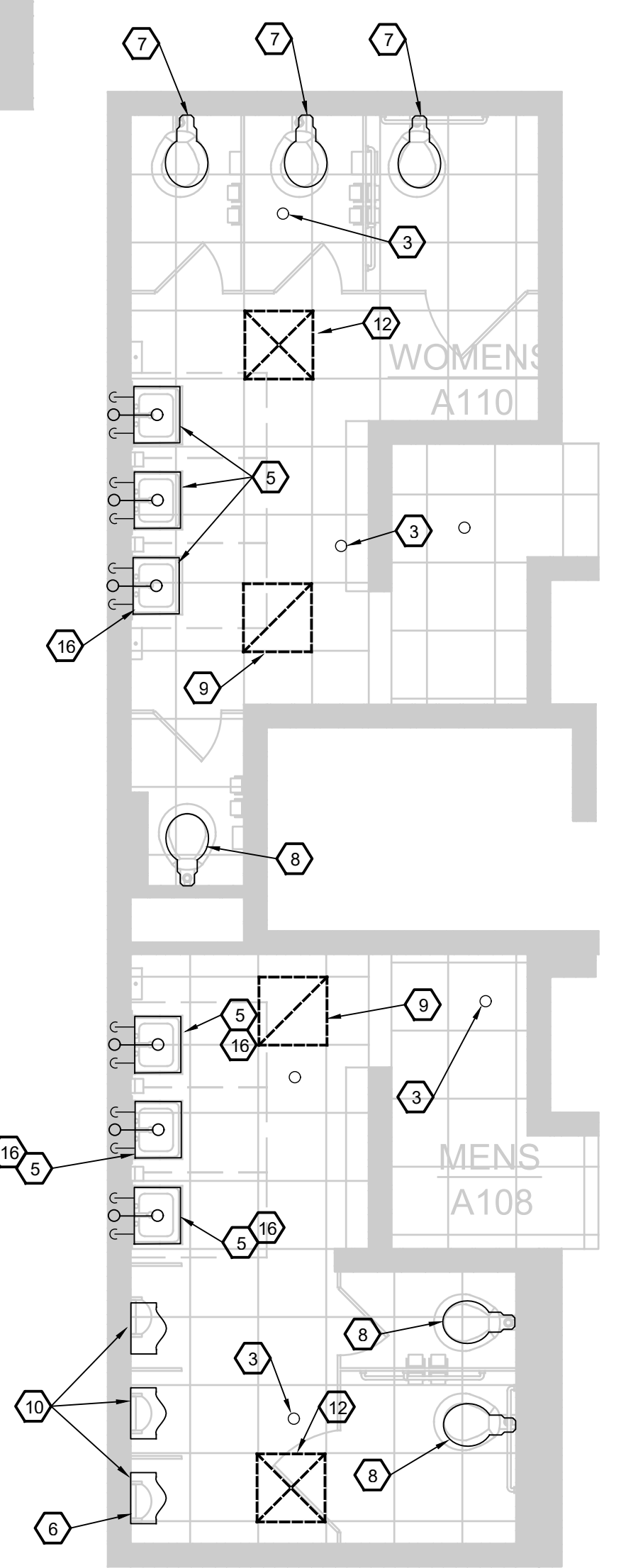
MEN E113, WOMEN E114
1/4"=1'-0"



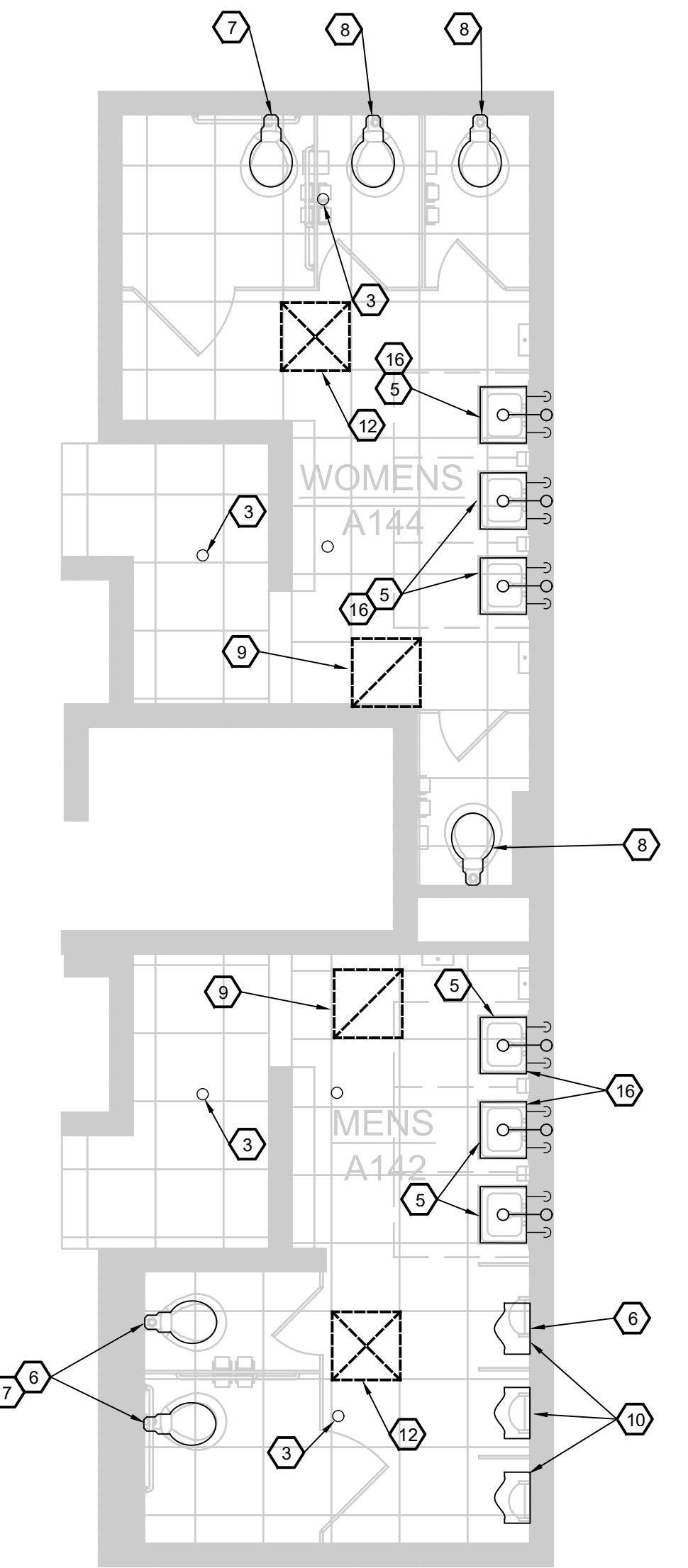
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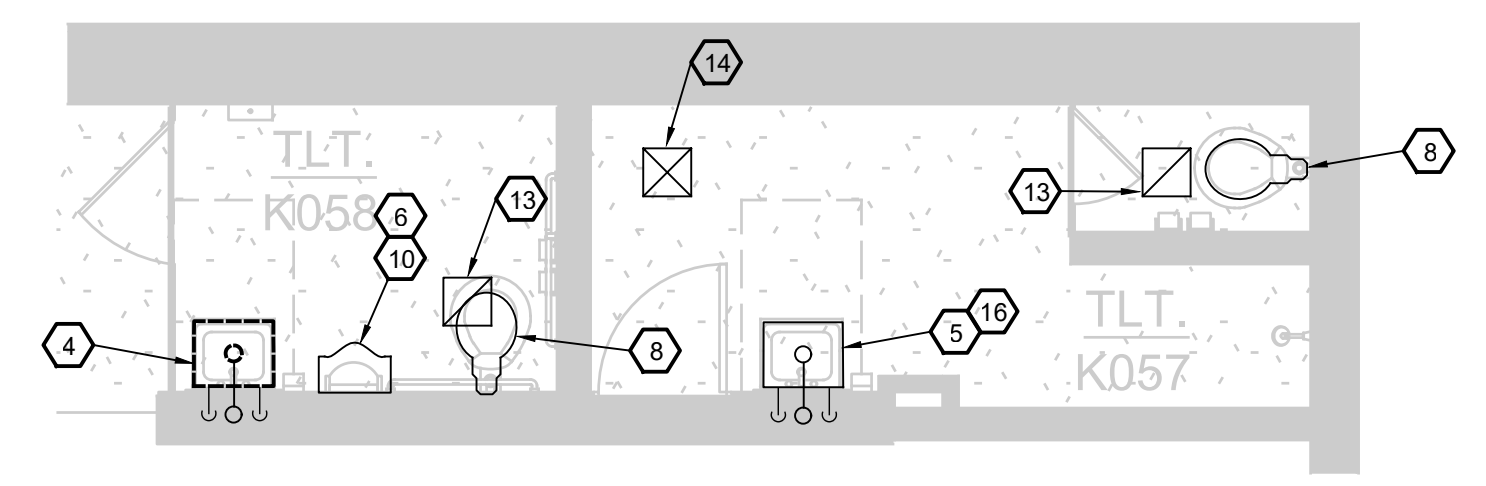
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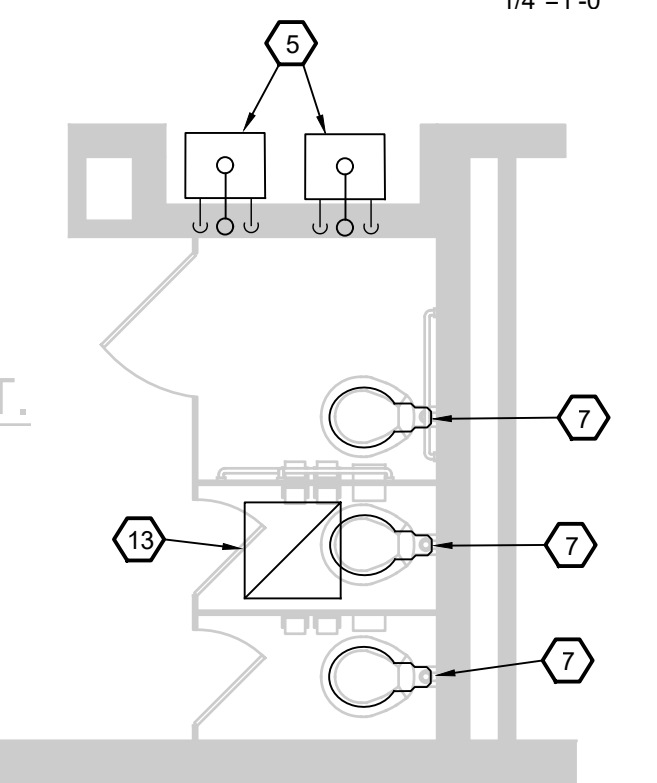
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1/4"=1'-0"



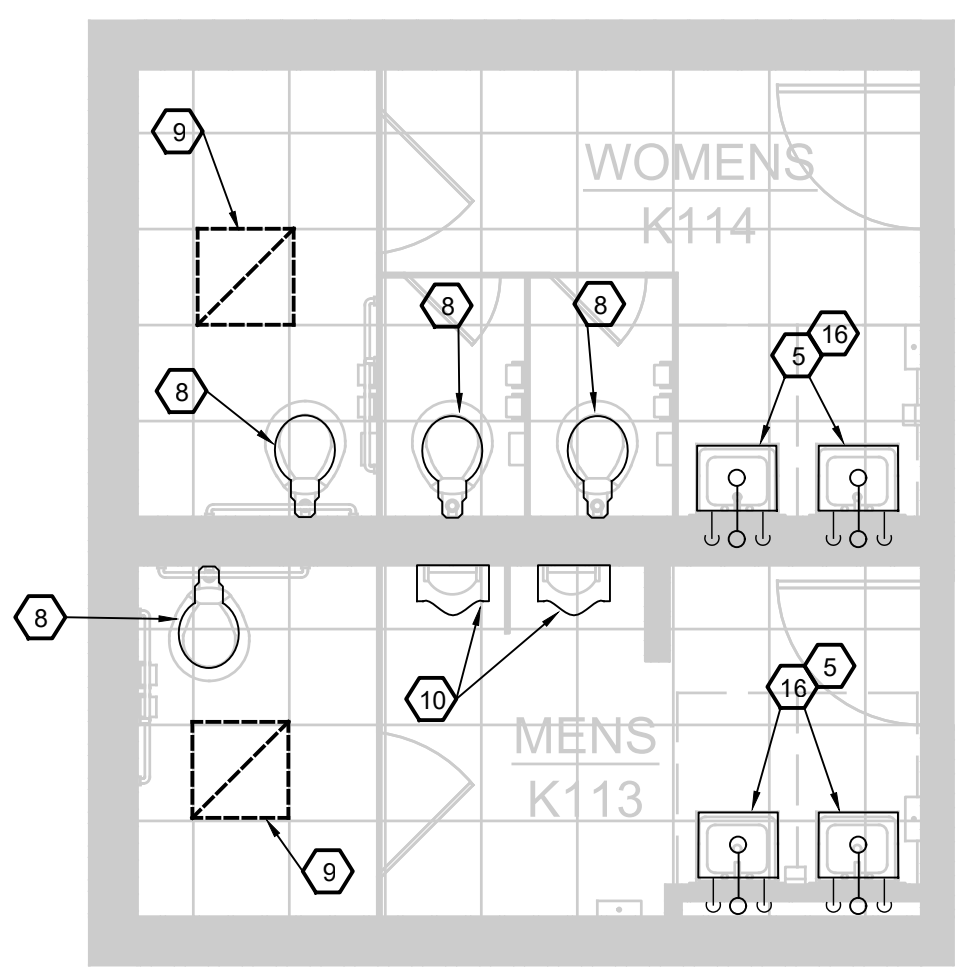
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1/4"=1'-0"



TLT. K057, K058
1/4"=1'-0"



DRY/TLT. K017
1/4"=1'-0"



WOMEN K114, MEN K113
1/4"=1'-0"

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED BEFORE STARTING WORK.
- COORDINATE DEMOLITION WORK WITH NEW WORK, ESPECIALLY IN REGARDS TO NEW CONNECTIONS.
- PIPING REMOVED SHALL ALSO INCLUDE THE REMOVAL OF ALL FITTINGS, SUPPORTS, AND INSULATION ASSOCIATED WITH PORTIONS OF PIPE TO BE REMOVED.
- THE GENERAL TRADE SHALL BE RESPONSIBLE FOR REMOVAL AND PATCHING OF ANY SOFFITS, WALL SECTIONS, ETC. REQUIRED TO GAIN ACCESS TO PIPING, EQUIPMENT, ETC. TO BE REMOVED. SEAL ALL WALL VOIDS/OPENINGS AFTER REMOVAL OF PIPING.
- COORDINATE WITH OWNER FOR ALL EQUIPMENT AND SYSTEM SHUT DOWNS AND PROVIDE OWNER WITH A MINIMUM OF 2 WEEKS NOTICE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EACH TOILET ROOM.

KEYED NOTES

- APPROXIMATE LOCATION OF EXISTING 26"x14" SUPPLY AIR GRILLE IN SOFFIT TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION PRIOR TO REMOVAL.
- EXISTING FLOOR MOUNTED WATER CLOSET TO BE REMOVED AND REPLACED. REMOVAL SHALL INCLUDE ASSOCIATED FLUSH VALVE, FITTINGS ETC.
- APPROXIMATE LOCATION OF EXISTING FIRE PROTECTION SPRINKLER HEAD TO REMAIN. TYPICAL FOR ALL FIRE PROTECTION SPRINKLER HEADS.
- EXISTING LAVATORY TO BE REMOVED AND REPLACED. REMOVAL SHALL INCLUDE ASSOCIATED FAUCET, PIPE PROTECTIVE COVER, ANGLE CHECK STOPS, PIPING, FITTINGS ETC.
- EXISTING LAVATORY TO REMAIN. EXISTING FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, FAUCET, GRID STRAINER, TAILPIECE, P-TRAP, AND ANGLE VALVE TO BE REMOVED AND REPLACED. REPLACE PIPING AND FITTINGS TO BE ABLE TO REPLACE EXISTING LAVATORY TRIM.
- EXISTING FLUSH VALVE TO BE REMOVED AND REPLACED.
- REMOVE AND REINSTALL EXISTING WATER CLOSET. THE INTENT IS TO SECURE EXISTING WATER CLOSET. WATER CLOSET IS LOOSE. EXISTING WATER CLOSET TO BE REUSED. REMOVE AND REPLACE EXISTING WATER CLOSET SEAT TO MATCH EXISTING FIXTURE.
- EXISTING FLOOR MOUNTED WATER CLOSET TO REMAIN. REMOVE AND REPLACE WATER CLOSET SEAT TO MATCH EXISTING FIXTURE.
- APPROXIMATE LOCATION OF EXISTING EXHAUST AIR GRILLE TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION.
- EXISTING URINAL TO REMAIN.
- APPROXIMATE LOCATION OF EXISTING 32"x14" EXHAUST AIR GRILLE IN WALL TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION PRIOR TO REMOVAL.
- APPROXIMATE LOCATION OF EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION.
- APPROXIMATE LOCATION OF EXISTING EXHAUST AIR GRILLE IN EXISTING DRYWALL CEILING TO REMAIN.
- APPROXIMATE LOCATION OF EXISTING SUPPLY AIR DIFFUSER IN EXISTING DRYWALL CEILING TO REMAIN.
- REMOVE AND REINSTALL EXISTING URINAL. THE INTENT IS TO SECURE EXISTING URINAL. URINAL IS LOOSE. EXISTING URINAL TO BE REUSED.
- REMOVE AND REINSTALL EXISTING LAVATORY. THE INTENT IS TO SECURE EXISTING LAVATORY. LAVATORY IS LOOSE. EXISTING LAVATORY TO BE REUSED.

	100% ISSUED FOR BID	10/28/24
	50% REVIEW	10/03/2024
NO.	REVISION	DATE

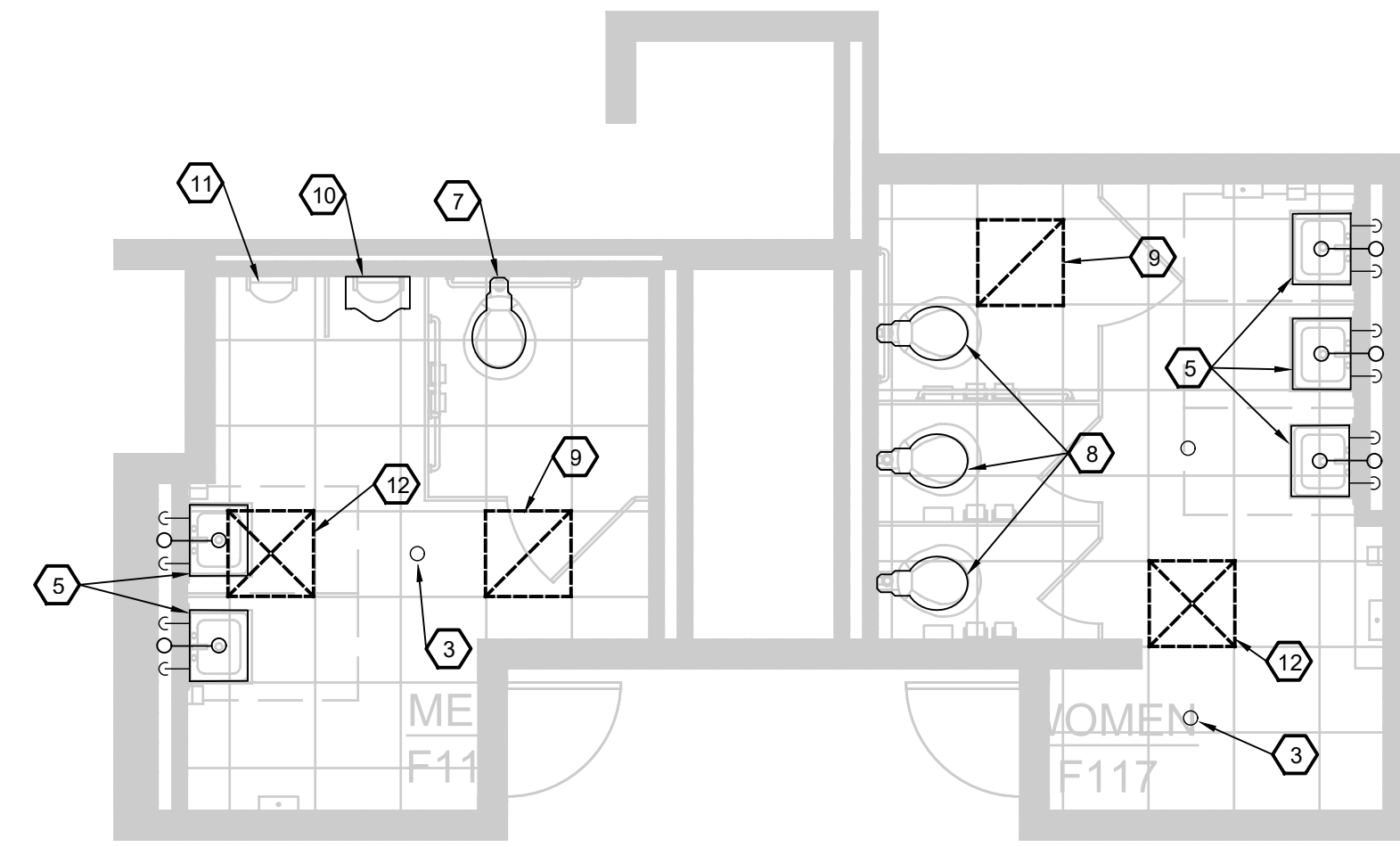
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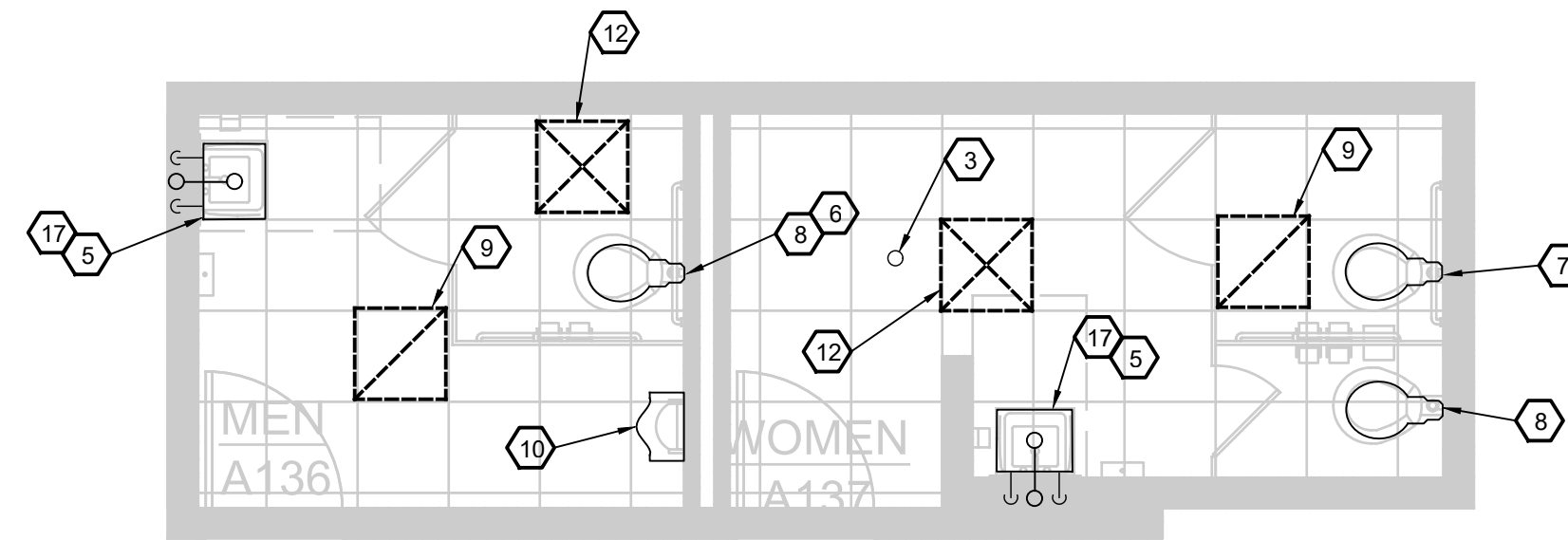
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714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48706
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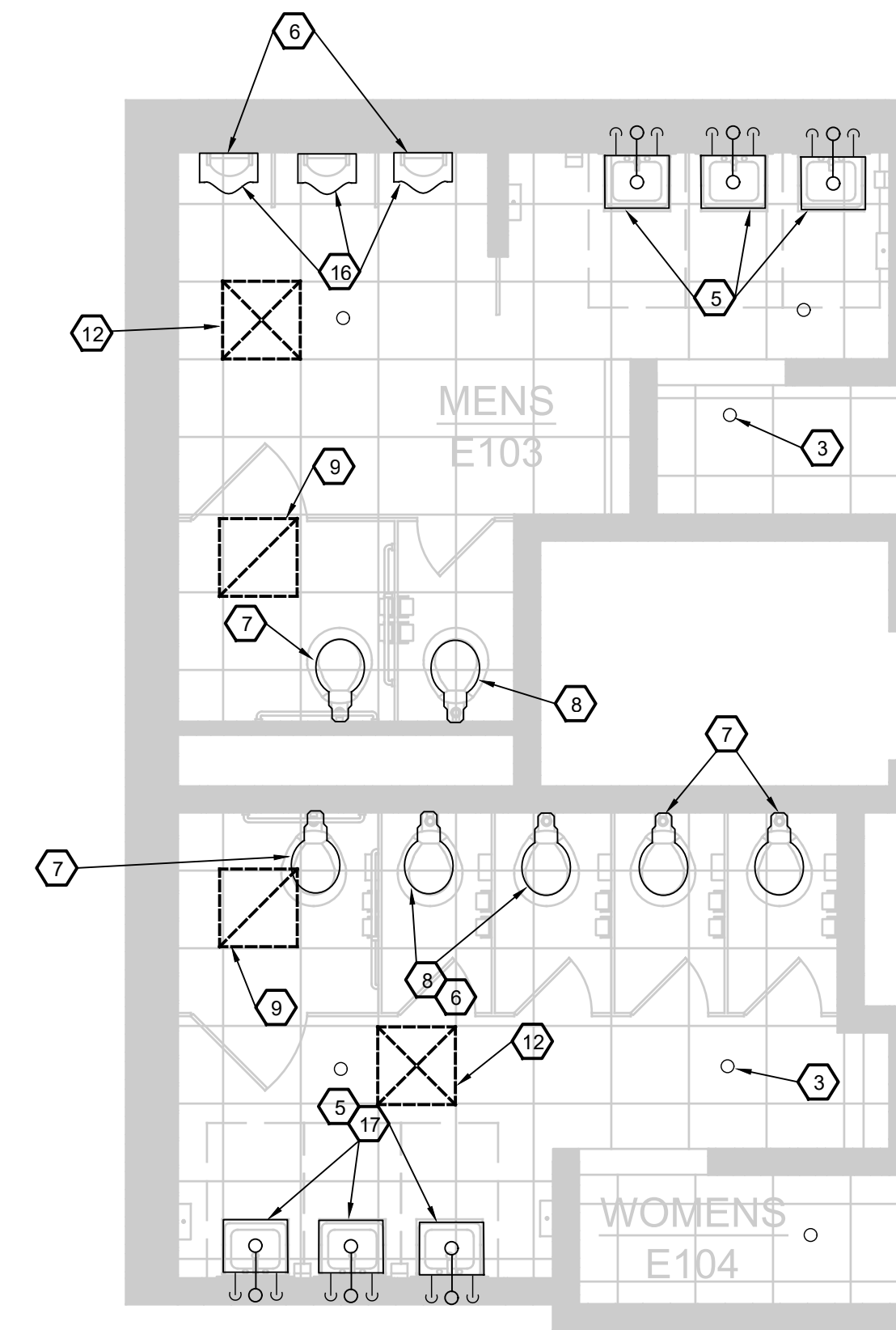
PROJECT TITLE	
TOILET ROOM RENOVATIONS FOR: WESTERN HIGH SCHOOL	
BAY CITY, MICHIGAN	
SHEET TITLE	
ENLARGED PLANS - MECHANICAL DEMOLITION	
PROJECT NUMBER	SHEET NUMBER
2019113.3	M1.01
PROJECT DATE	
2024	
CHECKED BY	
GRS	



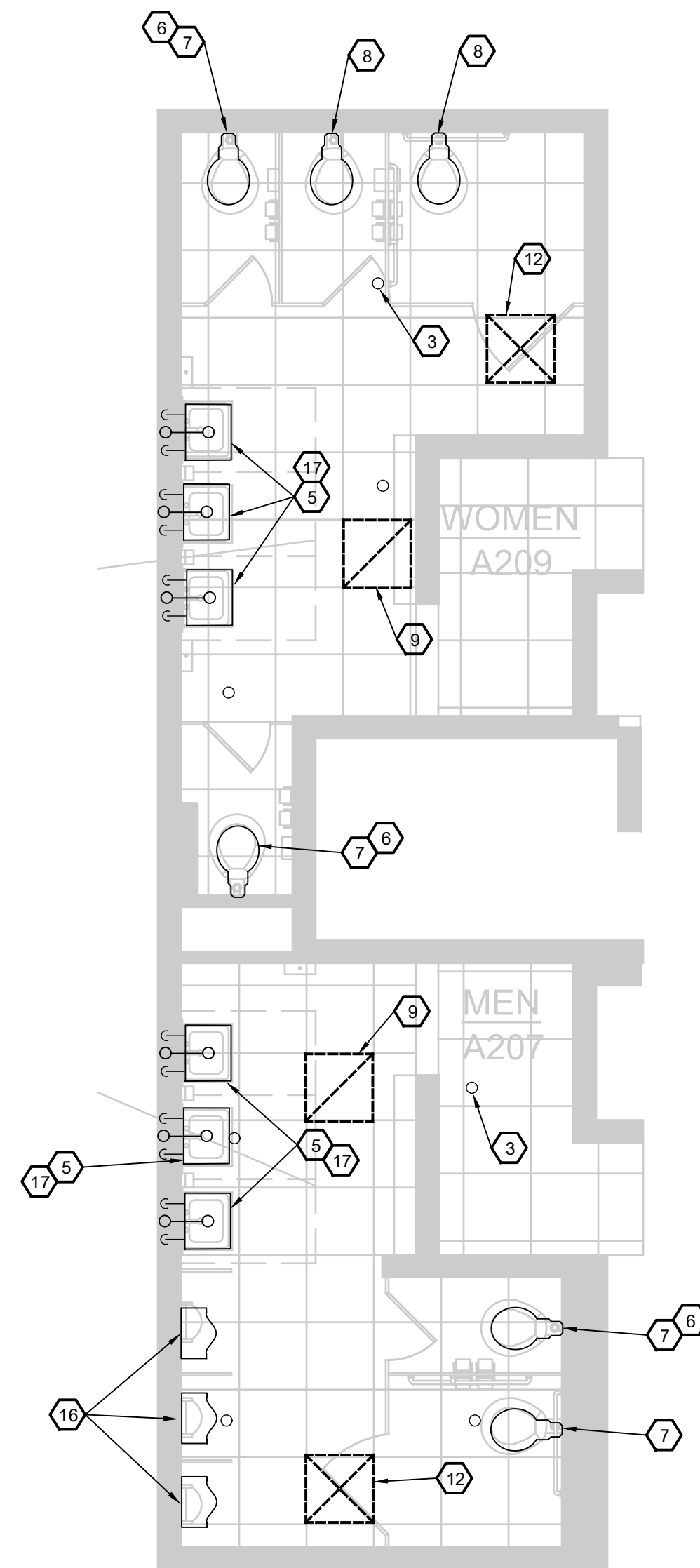
MEN F115, WOMEN F117
1/4"=1'-0"



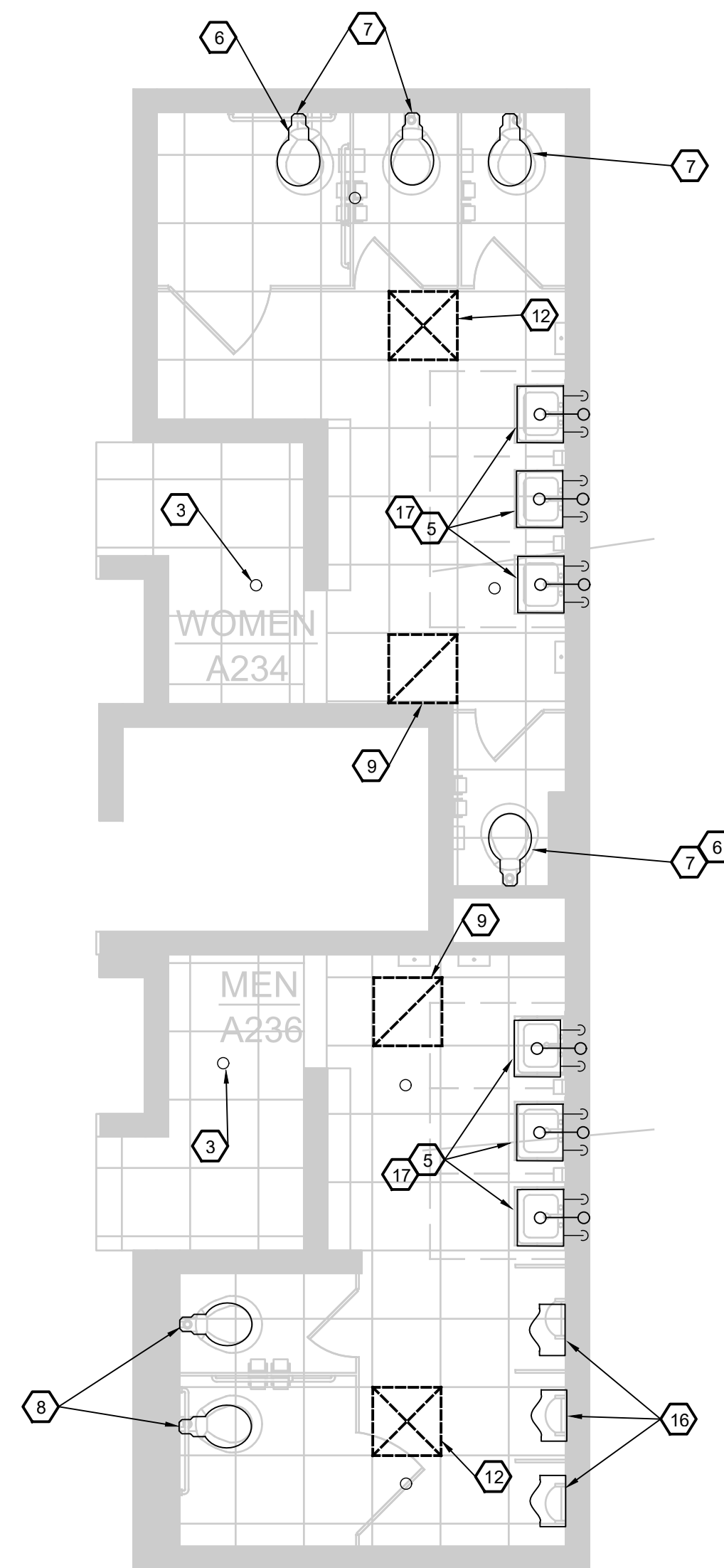
MEN A136, WOMEN A137
1/4"=1'-0"



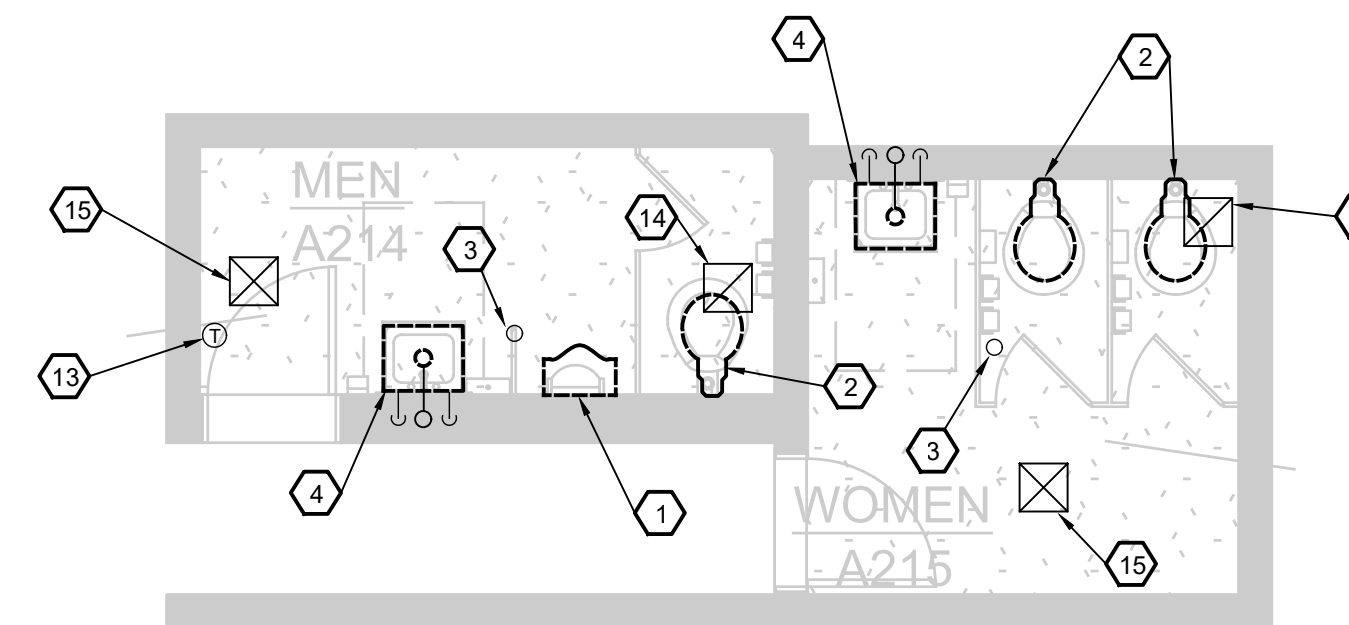
MEN E103, WOMEN E104
1/4"=1'-0"



MEN A207, WOMEN A209
1/4"=1'-0"



WOMEN A234, MEN A236
1/4"=1'-0"



MEN A214, WOMEN A215
1/4"=1'-0"

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED BEFORE STARTING WORK.
- COORDINATE DEMOLITION WORK WITH NEW WORK, ESPECIALLY IN REGARDS TO NEW CONNECTIONS.
- PIPING REMOVED SHALL ALSO INCLUDE THE REMOVAL OF ALL FITTINGS, SUPPORTS, AND INSULATION ASSOCIATED WITH PORTIONS OF PIPE TO BE REMOVED.
- THE GENERAL TRADE SHALL BE RESPONSIBLE FOR REMOVAL AND PATCHING OF ANY SOFFITS, WALL SECTIONS, ETC. REQUIRED TO GAIN ACCESS TO PIPING, EQUIPMENT, ETC. TO BE REMOVED. SEAL ALL WALL VOIDS/OPENINGS AFTER REMOVAL OF PIPING.
- COORDINATE WITH OWNER FOR ALL EQUIPMENT AND SYSTEM SHUT DOWNS AND PROVIDE OWNER WITH A MINIMUM OF 2 WEEKS NOTICE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EACH TOILET ROOM.

KEYED NOTES

- EXISTING URINAL TO BE REMOVED AND REPLACED. REMOVAL SHALL INCLUDE ALL ASSOCIATED VALVES, FITTINGS ETC.
- EXISTING FLOOR MOUNTED WATER CLOSET TO BE REMOVED AND REPLACED. REMOVAL SHALL INCLUDE ASSOCIATED FLUSH VALVE, FITTINGS ETC.
- APPROXIMATE LOCATION OF EXISTING FIRE PROTECTION SPRINKLER HEAD TO REMAIN. TYPICAL FOR ALL FIRE PROTECTION SPRINKLER HEADS.
- EXISTING LAVATORY TO BE REMOVED AND REPLACED. REMOVAL SHALL INCLUDE ASSOCIATED FAUCET, PIPE PROTECTIVE COVER, ANGLE CHECK STOPS, PIPING, FITTINGS ETC.
- EXISTING LAVATORY TO REMAIN. EXISTING FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, FAUCET, GRID STRAINER, TAILPIECE, P-TRAP, AND ANGLE VALVE TO BE REMOVED AND REPLACED. REPLACE PIPING AND FITTINGS TO BE ABLE TO REPLACE EXISTING LAVATORY TRIM.
- EXISTING FLUSH VALVE TO BE REMOVED AND REPLACED.
- REMOVE AND REINSTALL EXISTING WATER CLOSET. THE INTENT IS TO SECURE EXISTING WATER CLOSET. WATER CLOSET IS LOOSE. EXISTING WATER CLOSET TO BE REUSED. REMOVE AND REPLACE EXISTING WATER CLOSET SEAT TO MATCH EXISTING FIXTURE.
- EXISTING FLOOR MOUNTED WATER CLOSET TO REMAIN. REMOVE AND REPLACE WATER CLOSET SEAT TO MATCH EXISTING FIXTURE.
- APPROXIMATE LOCATION OF EXISTING EXHAUST AIR GRILLE TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION.
- EXISTING URINAL TO REMAIN.
- URINAL WAS PREVIOUSLY REMOVED, PREP EXISTING PLUMBING CONNECTIONS TO INSTALL NEW URINAL.
- APPROXIMATE LOCATION OF EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED AND REPLACED. FIELD VERIFY EXACT LOCATION.
- EXISTING THERMOSTAT TO REMAIN AND BE REFASTENED TO WALL.
- APPROXIMATE LOCATION OF EXISTING EXHAUST AIR GRILLE IN EXISTING DRYWALL CEILING TO REMAIN.
- APPROXIMATE LOCATION OF EXISTING SUPPLY AIR DIFFUSER IN EXISTING DRYWALL CEILING TO REMAIN.
- REMOVE AND REINSTALL EXISTING URINAL. THE INTENT IS TO SECURE EXISTING URINAL. URINAL IS LOOSE. EXISTING URINAL TO BE REUSED.
- REMOVE AND REINSTALL EXISTING LAVATORY. THE INTENT IS TO SECURE EXISTING LAVATORY. LAVATORY IS LOOSE. EXISTING LAVATORY TO BE REUSED.

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	50% REVIEW	10/03/2024
NO.	REVISION	DATE

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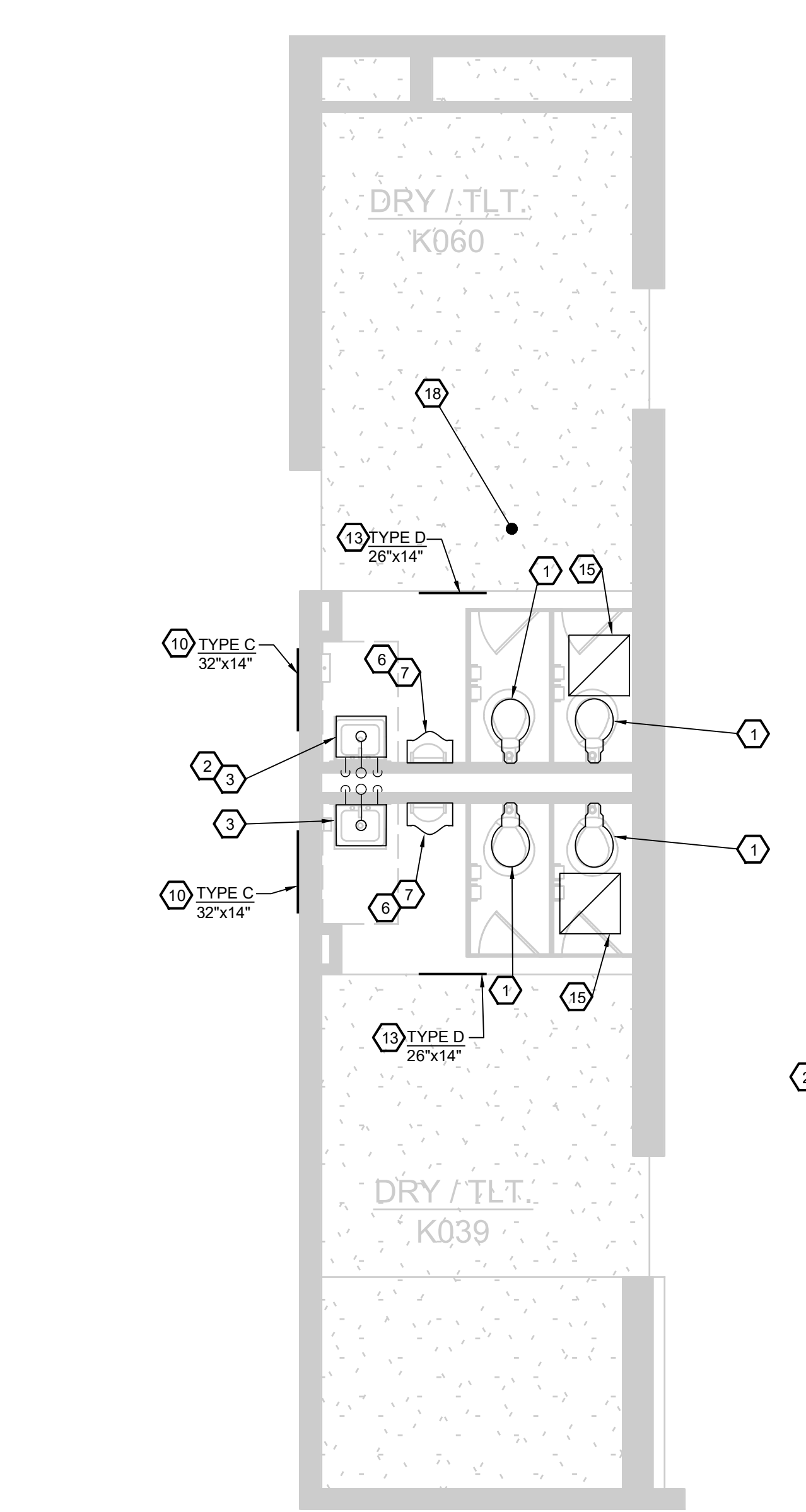
PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL**

BAY CITY, MICHIGAN

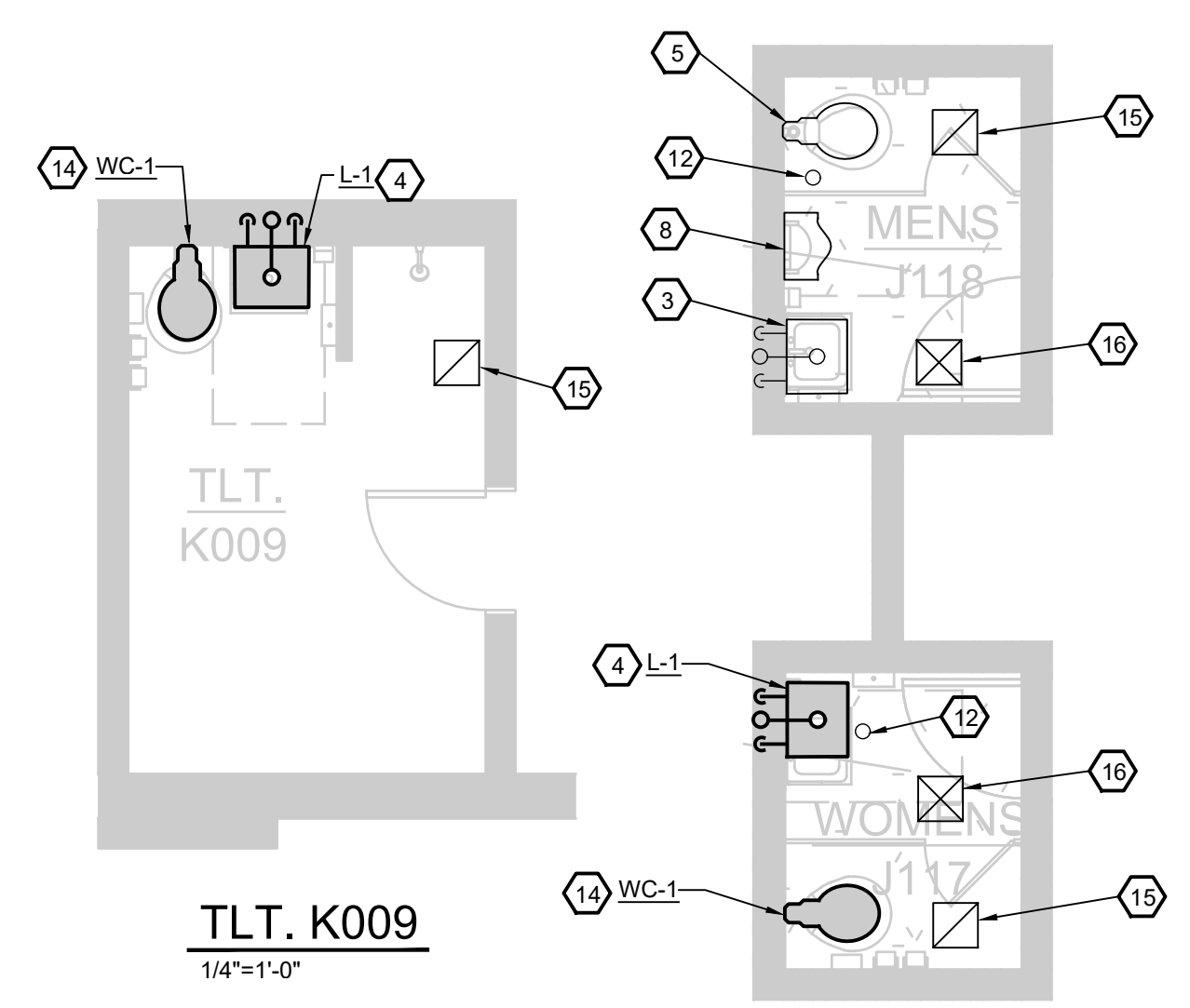
SHEET TITLE
**ENLARGED PLANS -
MECHANICAL DEMOLITION**

PROJECT NUMBER 2019113.3	SHEET NUMBER M1.02
PROJECT DATE 2024	
CHECKED BY GRS	

2/20/2021 11:22 AM .ESSE.GONWACHA@MACMILLANASSOCIATES.COM | 1/18/2024 10:04:15Z BAY CITY WESTERN TOILET RENOVATIONS 2024-11-27 10:04:15Z ENLARGED PLANS - MECHANICAL REVISED

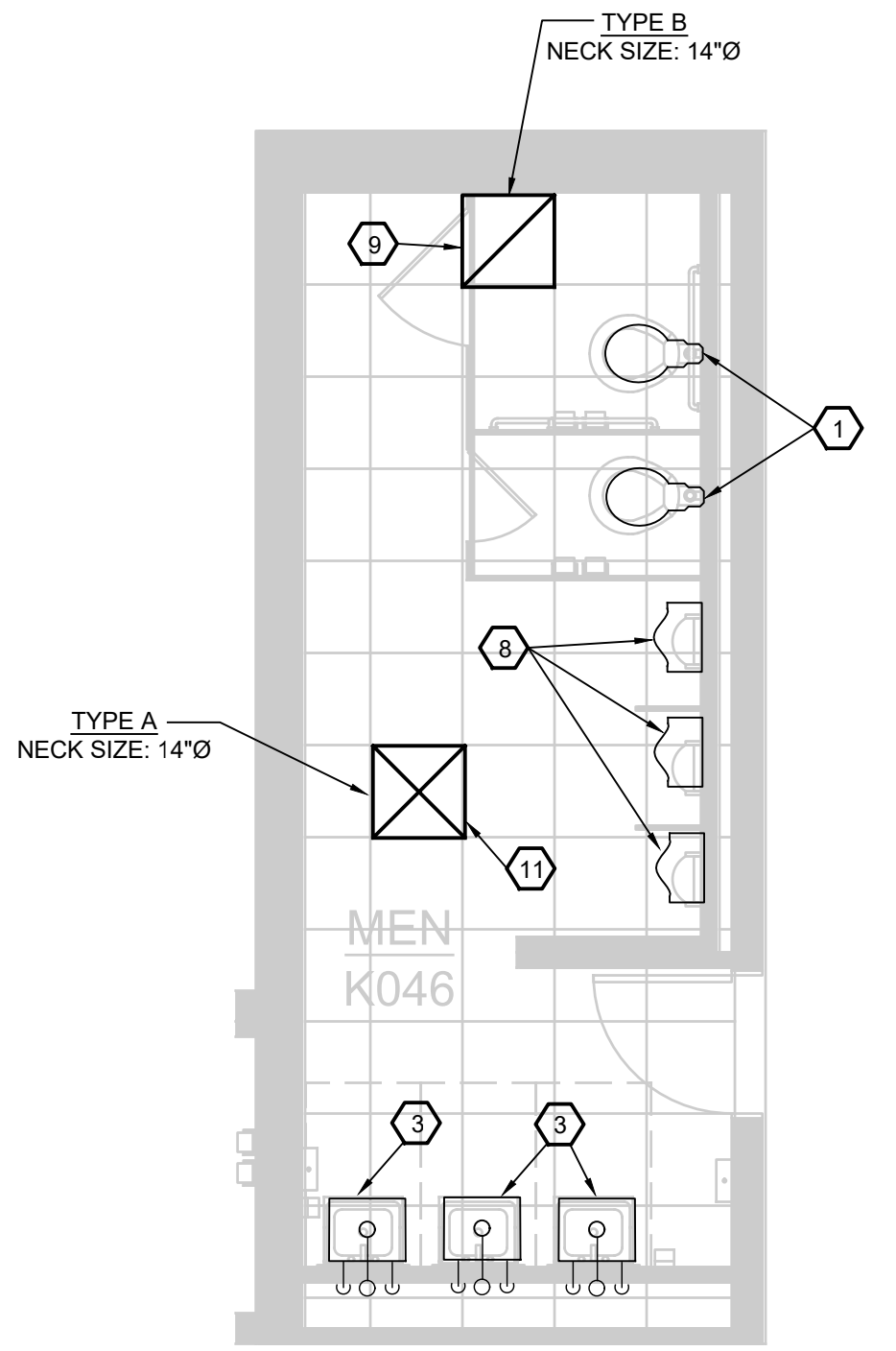


DRY/TLT. K060, K039
1/4"=1'-0"

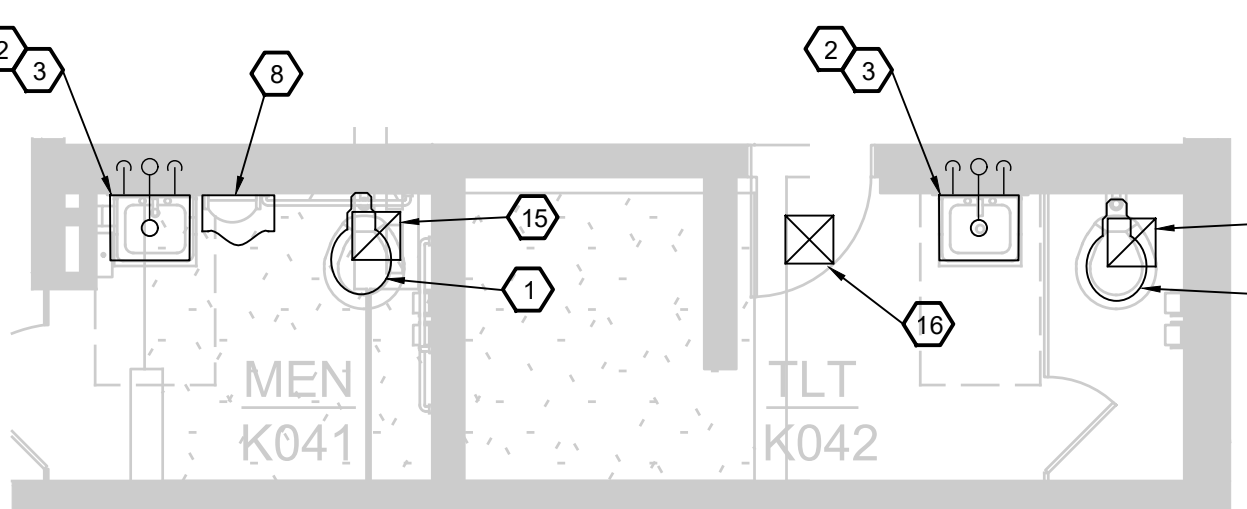


TLT. K009
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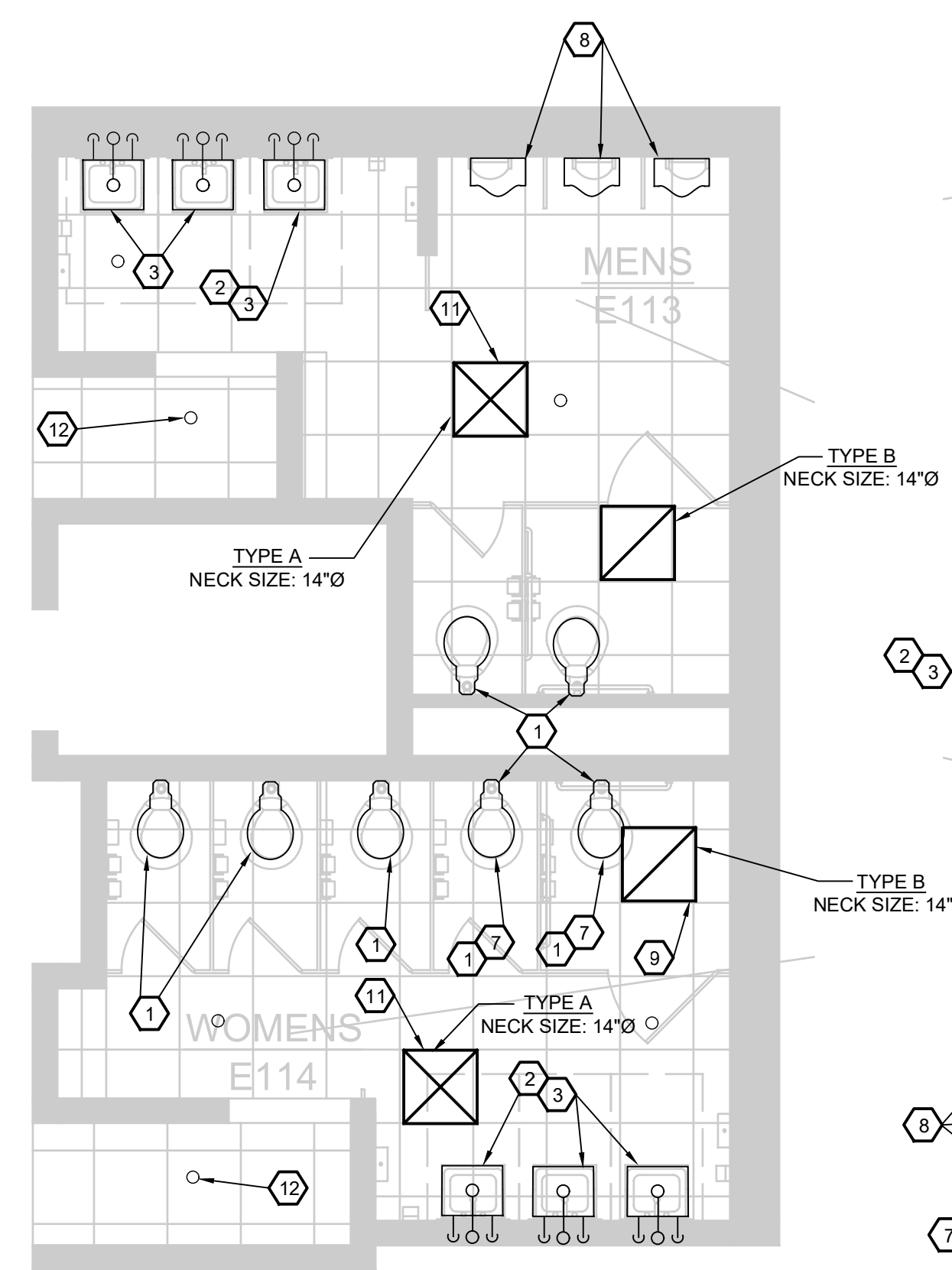
WOMEN J117, MEN J118
1/4"=1'-0"



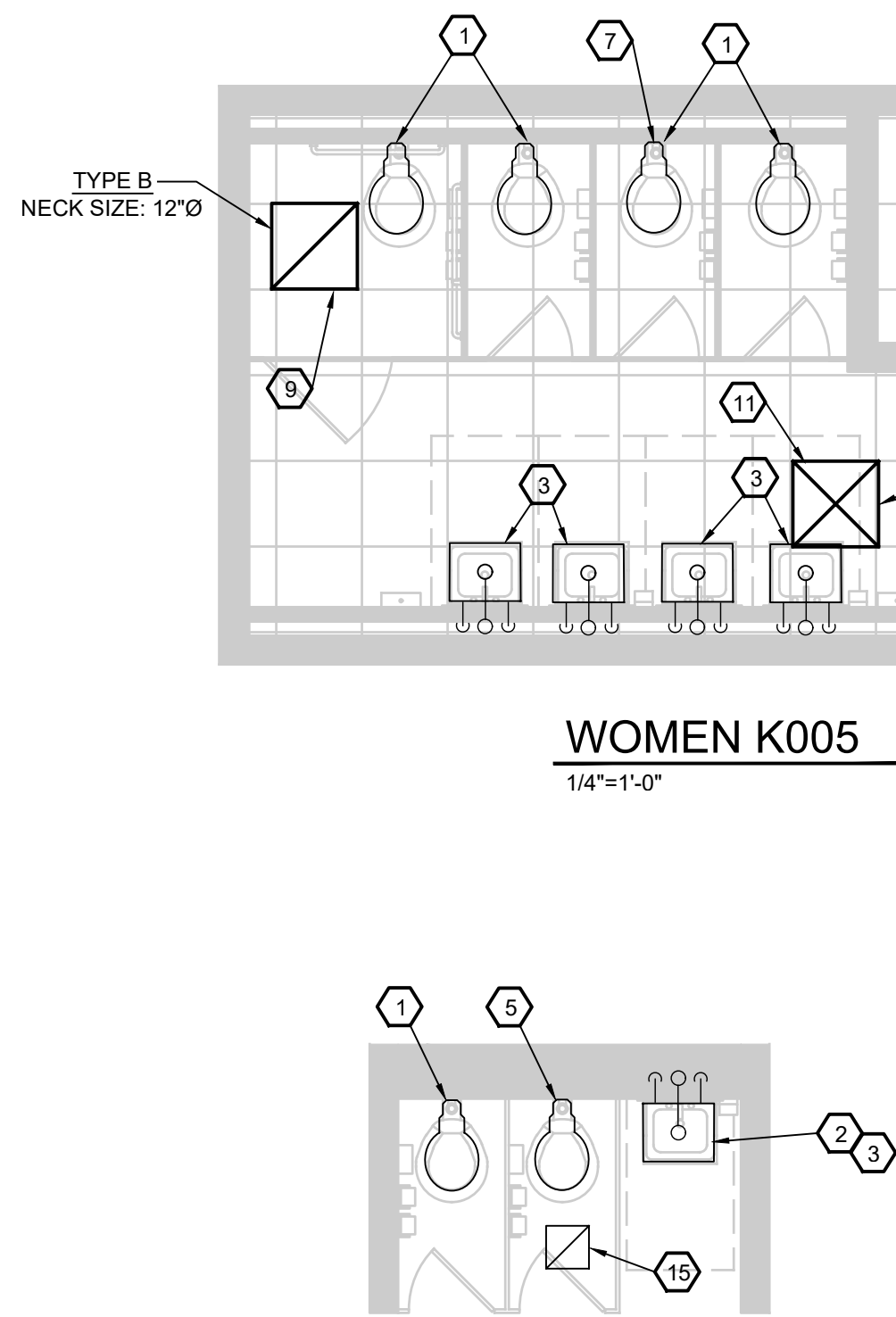
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1/4"=1'-0"



MEN K041, TLT. K042
1/4"=1'-0"

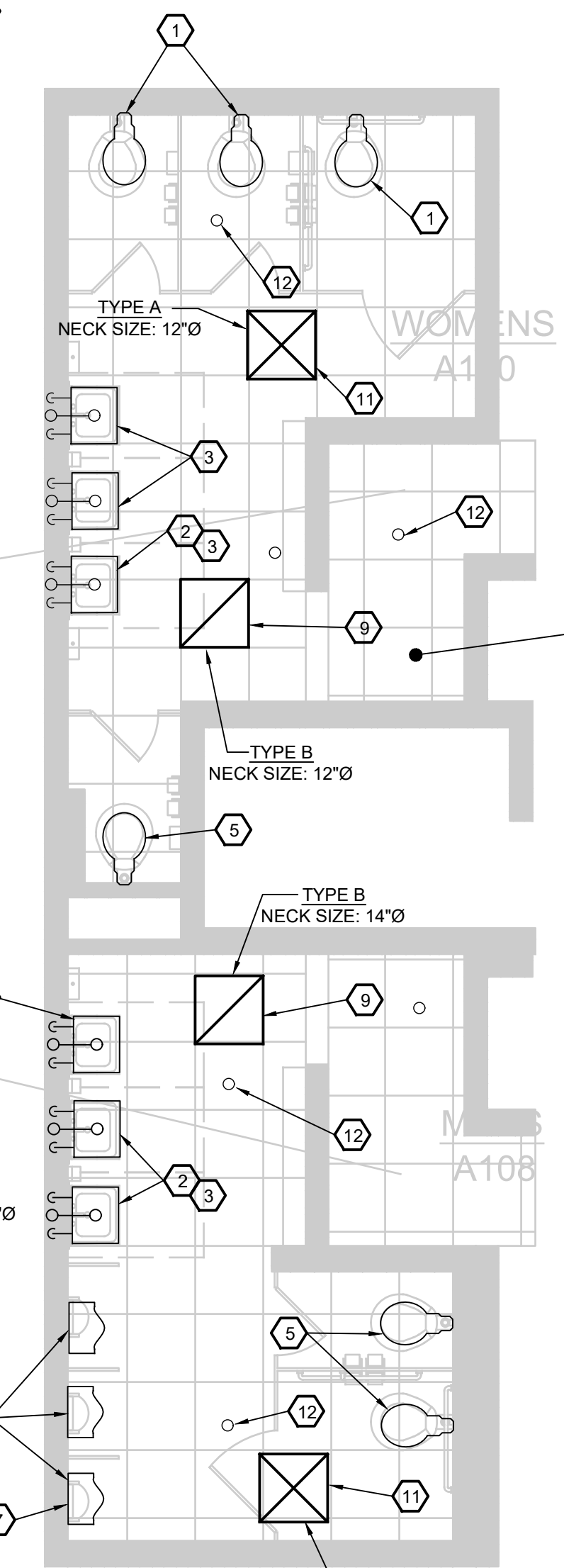


MEN E113, WOMEN E114
1/4"=1'-0"

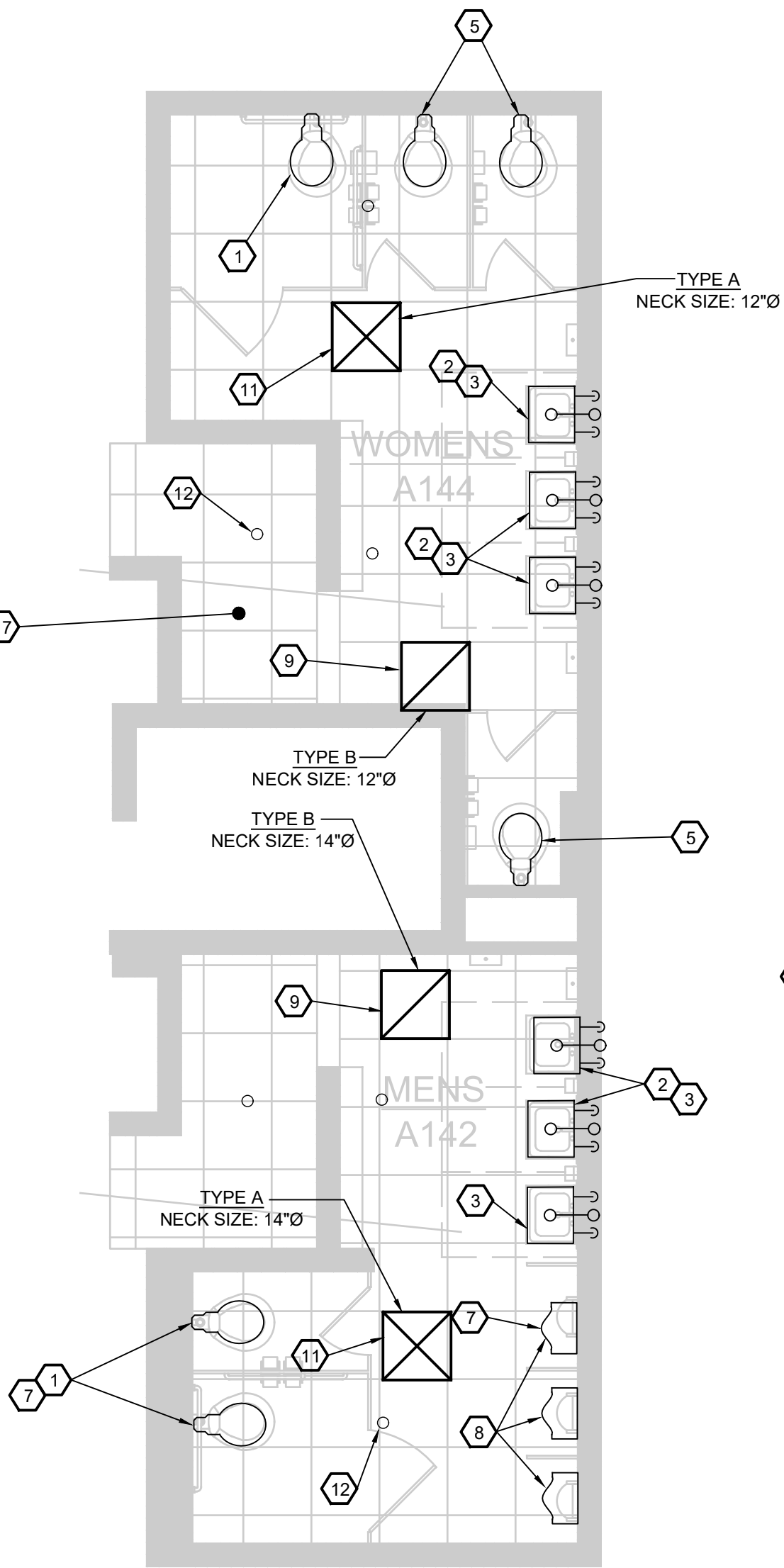


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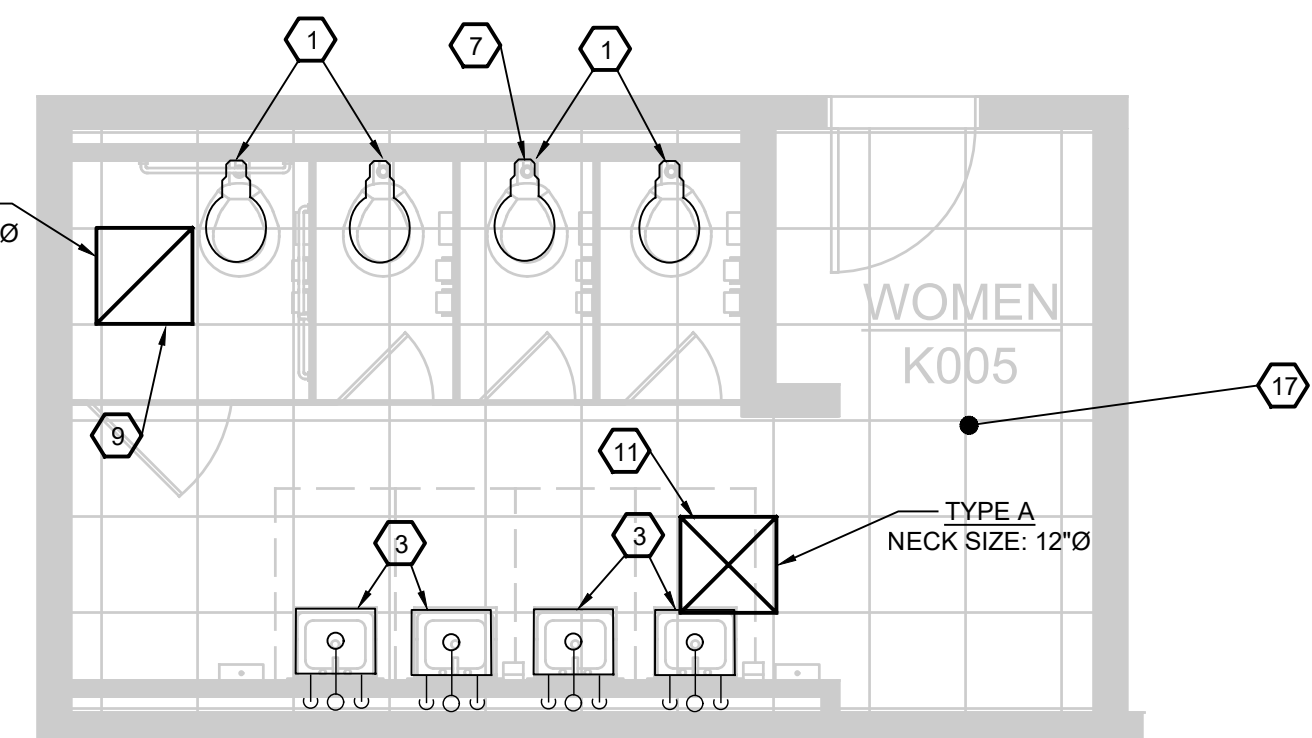
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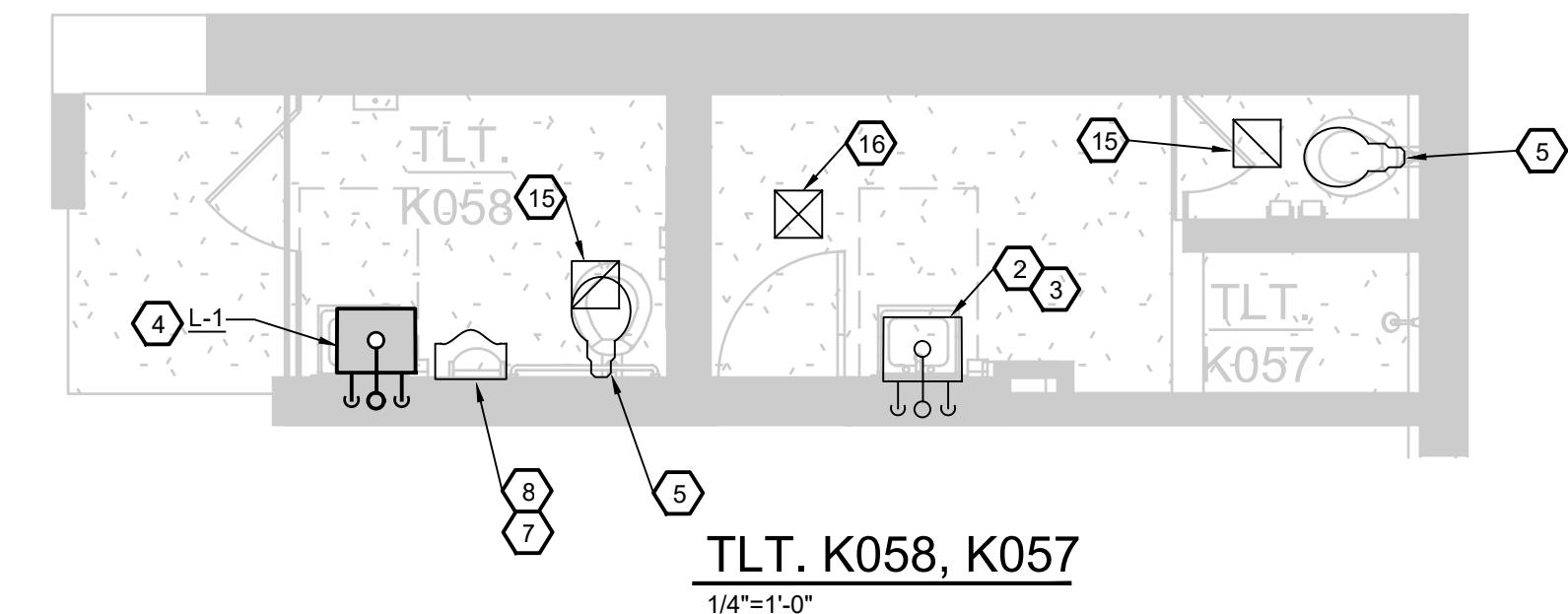
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1/4"=1'-0"



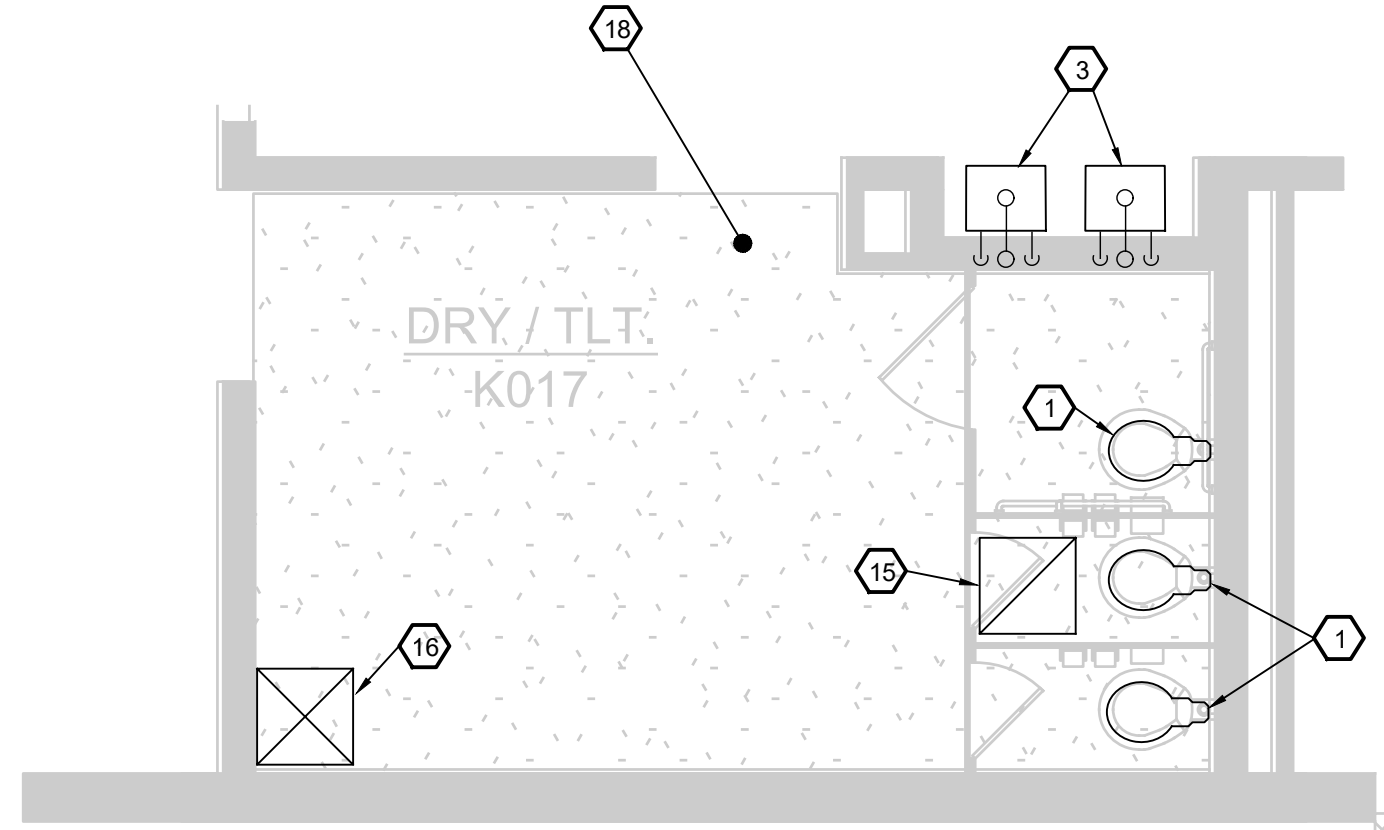
MEN A142, WOMEN A144
1/4"=1'-0"



WOMEN K005
1/4"=1'-0"



TLT. K058, K057
1/4"=1'-0"



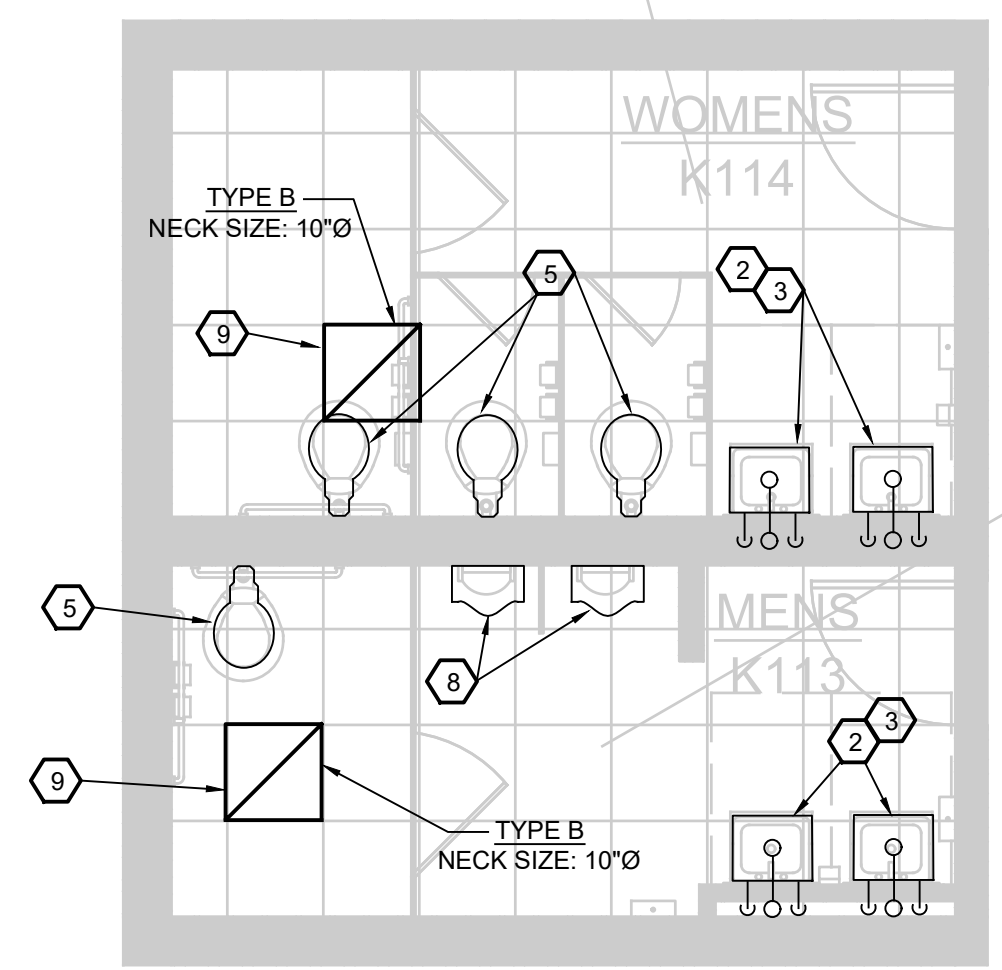
DRY/TLT. K017
1/4"=1'-0"

GENERAL NOTES:

- ALL PLUMBING, PIPING, ETC. SHALL BE INSTALLED PER STATE/LOCAL CODES.
- ALL WATER CLOSETS SHALL HAVE NEW TOILET SEATS.
- SEAL/RESEAL AROUND ALL NEW AND EXISTING PLUMBING FIXTURES. EXISTING SEALANT TO BE REMOVED PRIOR TO INSTALLING NEW SEALANT.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EACH TOILET ROOM.

KEYED NOTES CONTINUED

- FURNISH AND INSTALL A NEW TYPE D 26"x14" EXHAUST AIR GRILLE IN SOFFIT. FIELD VERIFY EXACT LOCATION OF GRILLE INSTALLATION WITH EXISTING DUCTWORK AND OPENING.
- FURNISH AND INSTALL NEW FLOOR MOUNTED WATER CLOSET, FLUSH VALVE, AND OTHER ASSOCIATED FITTINGS. INTENT IS TO INSTALL NEW WAX RING, MOUNTING HARDWARE, ETC.
- EXISTING EXHAUST AIR GRILLE WITHIN EXISTING DRYWALL CEILING TO REMAIN.
- EXISTING SUPPLY AIR DIFFUSER WITHIN EXISTING DRYWALL CEILING TO REMAIN.
- NEW LAY-IN CEILING TO BE INSTALLED. REFER TO ARCHITECTURAL PLANS. (TYP.)
- EXISTING DRYWALL CEILING TO REMAIN. REFER TO ARCHITECTURAL PLANS. (TYP.)



WOMEN K114, MEN K113
1/4"=1'-0"

KEYED NOTES

- REMOVE AND REINSTALL EXISTING WATER CLOSET FOR ABILITY TO SECURE EXISTING WATER CLOSET. WATER CLOSET IS LOOSE. INSTALL NEW WAX RING, NEW STUDS, AND NUTS AND REINSTALL EXISTING WATER CLOSET. REPLACE EXISTING WATER CLOSET SEAT WITH NEW SEAT TO MATCH EXISTING.
- EXISTING LAVATORY IS LOOSE. EXISTING LAVATORY TO BE RESUPPORTED AS NECESSARY ON EXISTING CARRIER WITH NEW FASTENERS. INTENT IS TO REMOVE LAVATORY AS NECESSARY TO SECURE EXISTING LAVATORY TO EXISTING CARRIER.
- EXISTING LAVATORY TO REMAIN. FURNISH AND INSTALL NEW FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, ANGLE STOP VALVES, GRID STRAINER AND ASSOCIATED FITTINGS TO BE ABLE TO REPLACE GRID STRAINER.
- FURNISH AND INSTALL NEW LAVATORY, FAUCET, AND FITTINGS. CONNECT TO EXISTING PIPING. INTENT IS TO INSTALL NEW CARRIER WITH NEW LAVATORY AS NECESSARY FOR INSTALLATION OF NEW LAVATORY.
- EXISTING WATER CLOSET TO REMAIN. REPLACE EXISTING WATER CLOSET SEAT WITH NEW SEAT TO MATCH EXISTING.
- REMOVE AND REINSTALL EXISTING URINAL FOR ABILITY TO SECURE EXISTING URINAL. URINAL IS LOOSE. EXISTING URINAL TO BE RESUPPORTED WITH NEW FASTENERS. INTENT IS TO REMOVE EXISTING URINAL AS NECESSARY TO SECURE EXISTING URINAL TO EXISTING CARRIER.
- FURNISH AND INSTALL NEW FLUSH VALVE ON EXISTING URINAL/WATER CLOSET.
- EXISTING URINAL TO REMAIN.
- APPROXIMATE LOCATION OF NEW EXHAUST AIR GRILLE TO BE INSTALLED. CLOSELY COORDINATE GRILLE LOCATION WITH ARCHITECTURAL CEILING PLANS, ELECTRICAL LIGHTING PLANS AND EXISTING DUCTWORK LOCATION(S). TRANSITION GRILLE NECK SIZE AS NECESSARY FOR CONNECTION TO EXISTING DUCTWORK. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCTWORK ABOVE CEILING.
- FURNISH AND INSTALL A NEW TYPE C 32"x14" EXHAUST AIR GRILLE IN WALL. FIELD VERIFY EXACT LOCATION OF GRILLE INSTALLATION WITH EXISTING DUCTWORK AND OPENING.
- APPROXIMATE LOCATION OF NEW SUPPLY AIR DIFFUSER TO BE INSTALLED. CLOSELY COORDINATE DIFFUSER LOCATION WITH ARCHITECTURAL CEILING PLANS, ELECTRICAL LIGHTING PLANS, AND EXISTING DUCTWORK LOCATION(S). TRANSITION DIFFUSER NECK SIZE AS NECESSARY FOR CONNECTION TO EXISTING DUCTWORK. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCTWORK.
- APPROXIMATE LOCATION OF EXISTING FIRE PROTECTION SPRINKLER HEAD. FIELD VERIFY EXACT LOCATION OF EXISTING SPRINKLER HEAD TYPICAL FOR ALL FIRE PROTECTION SPRINKLER HEADS.

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	50% REVIEW	10/03/2024
NO.	REVISION	DATE

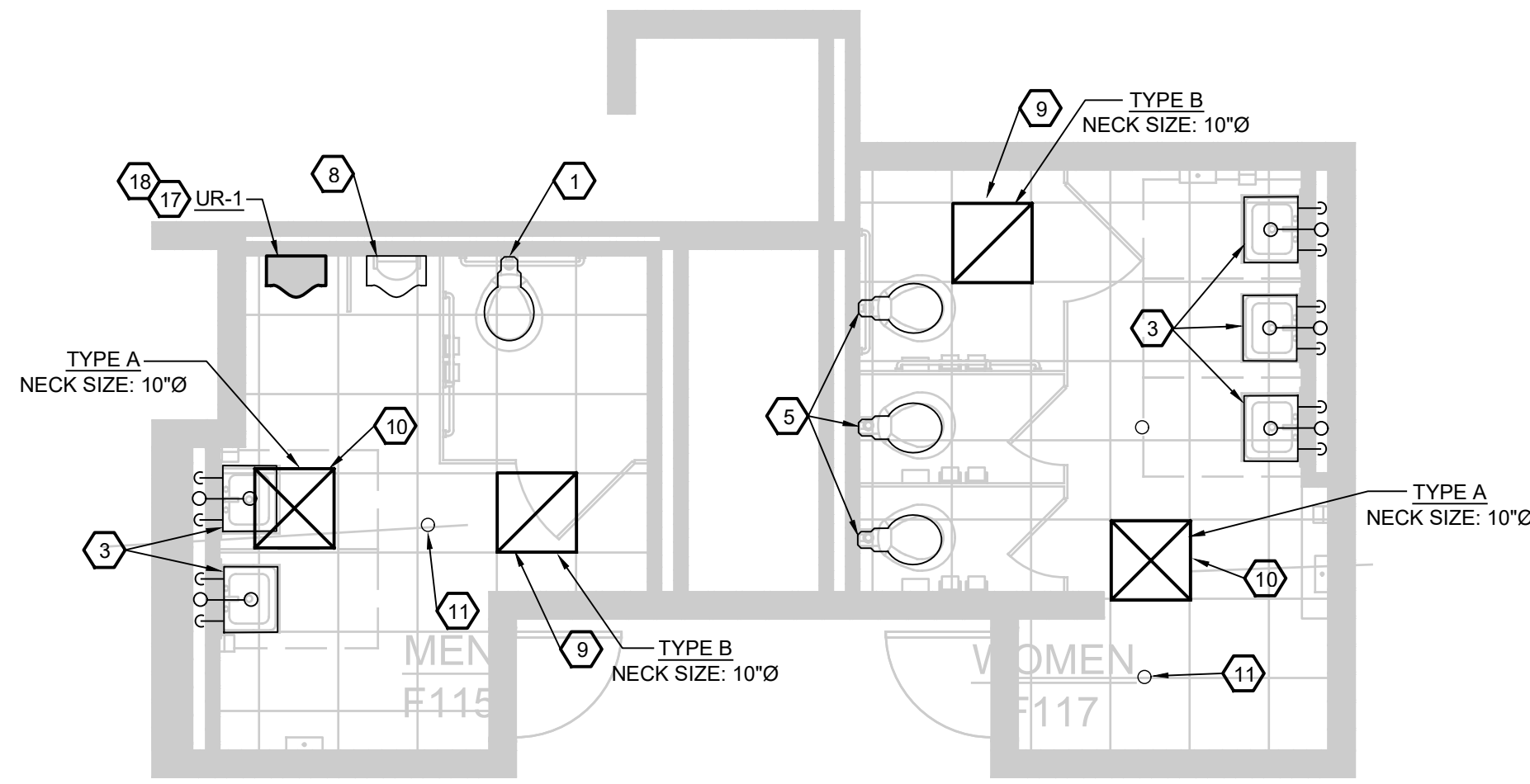
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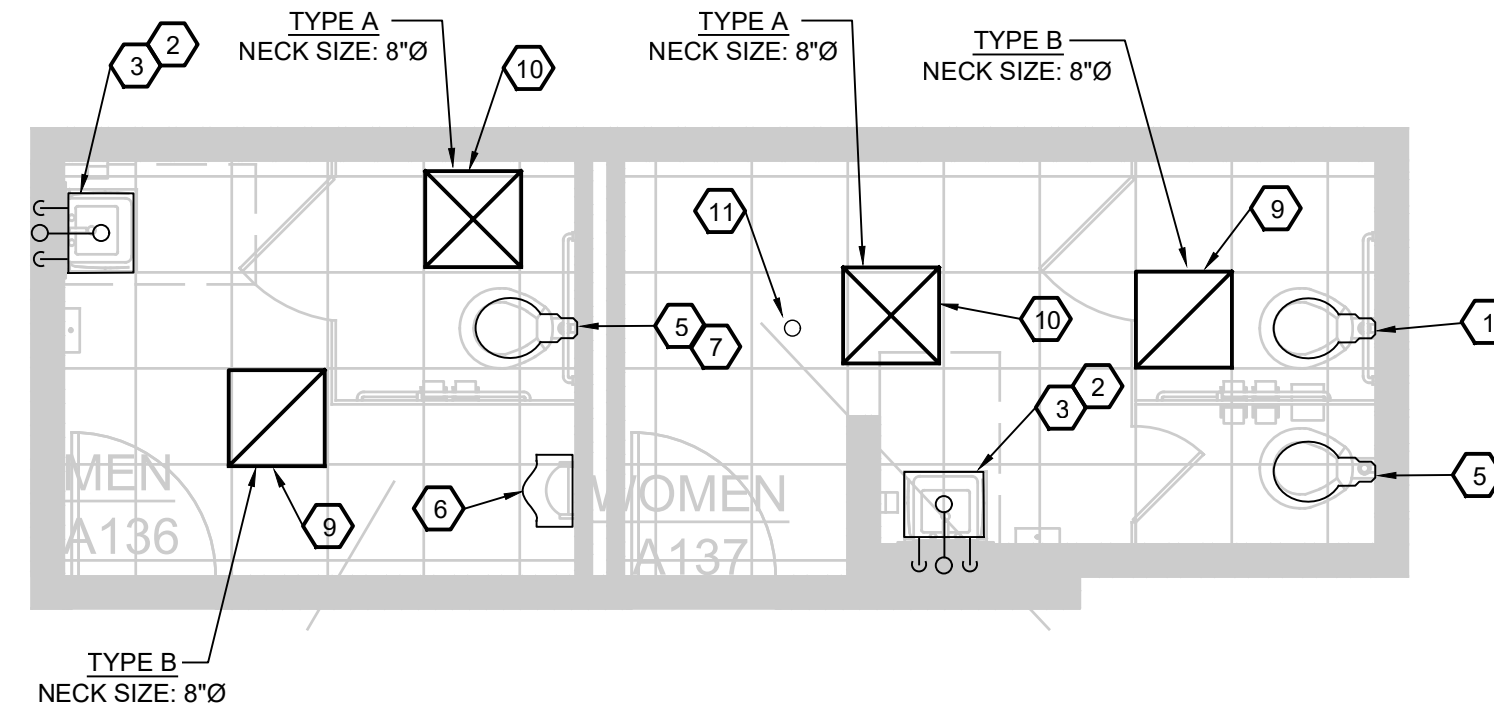
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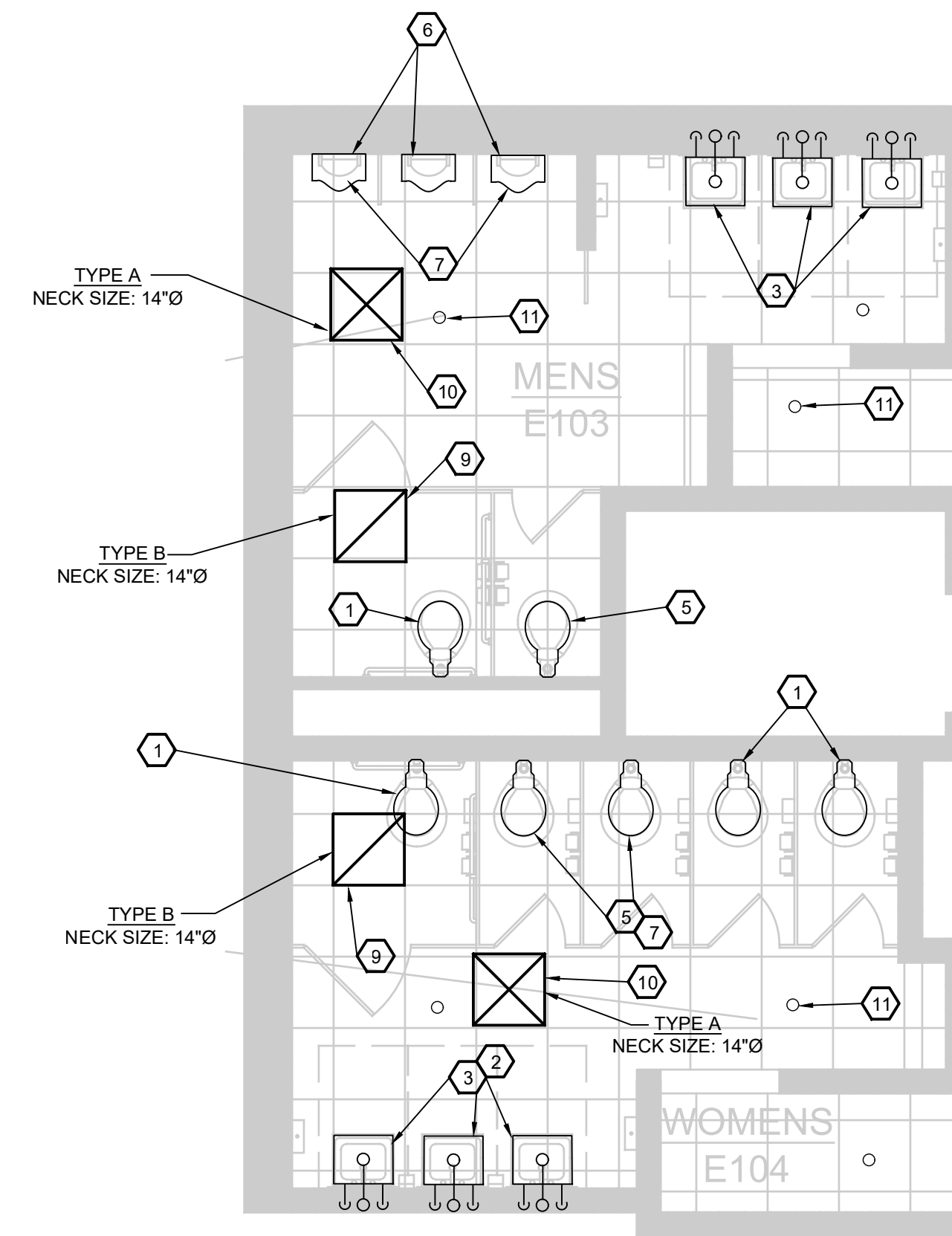
PROJECT TITLE	
TOILET ROOM RENOVATIONS FOR: WESTERN HIGH SCHOOL	
BAY CITY, MICHIGAN	
SHEET TITLE	
ENLARGED PLANS - MECHANICAL REVISED	
PROJECT NUMBER	SHEET NUMBER
2019113.3	M2.01
PROJECT DATE	CHECKED BY
2024	GRS



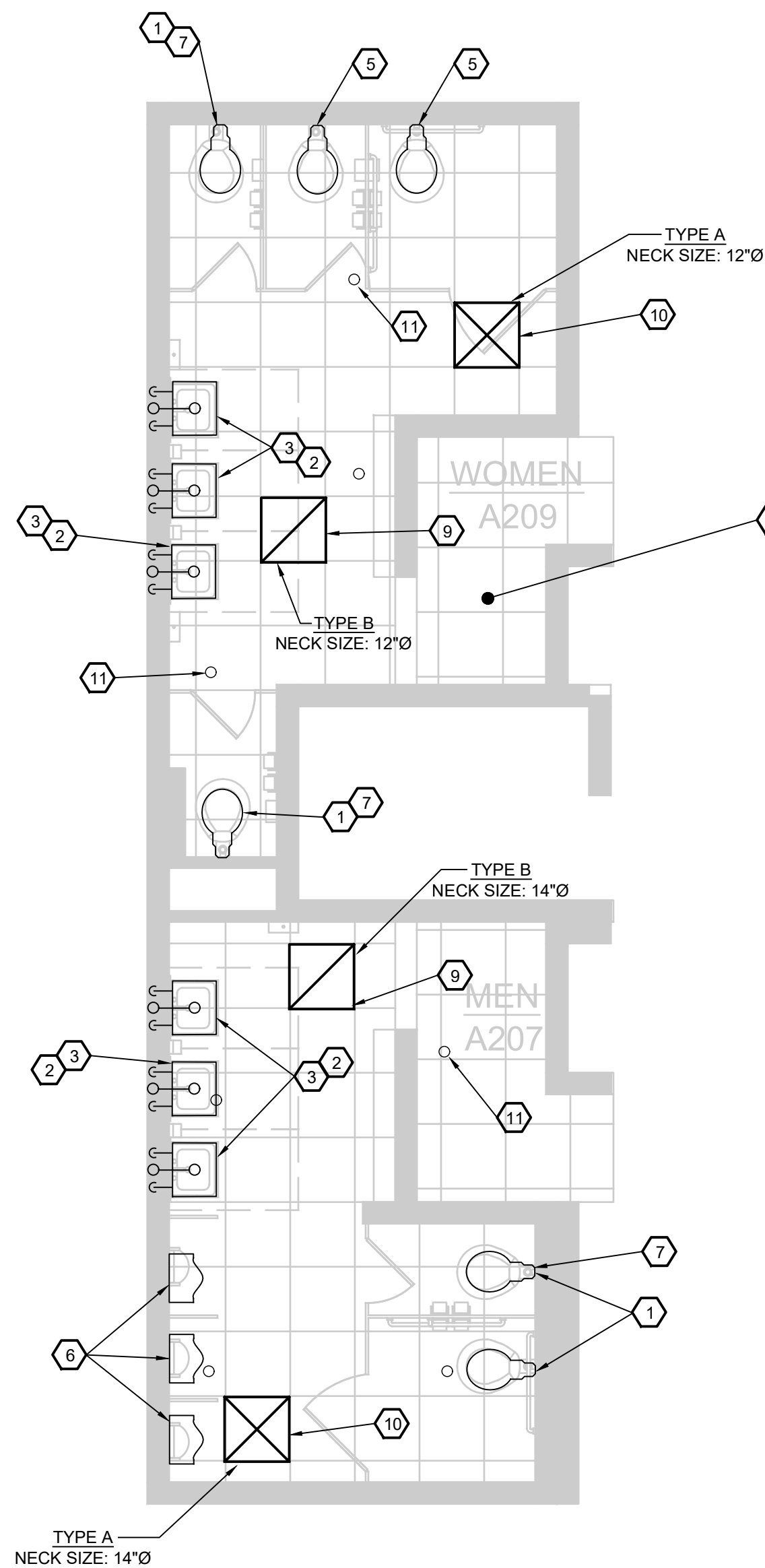
MEN F115, WOMEN F117
1/4"=1'-0"



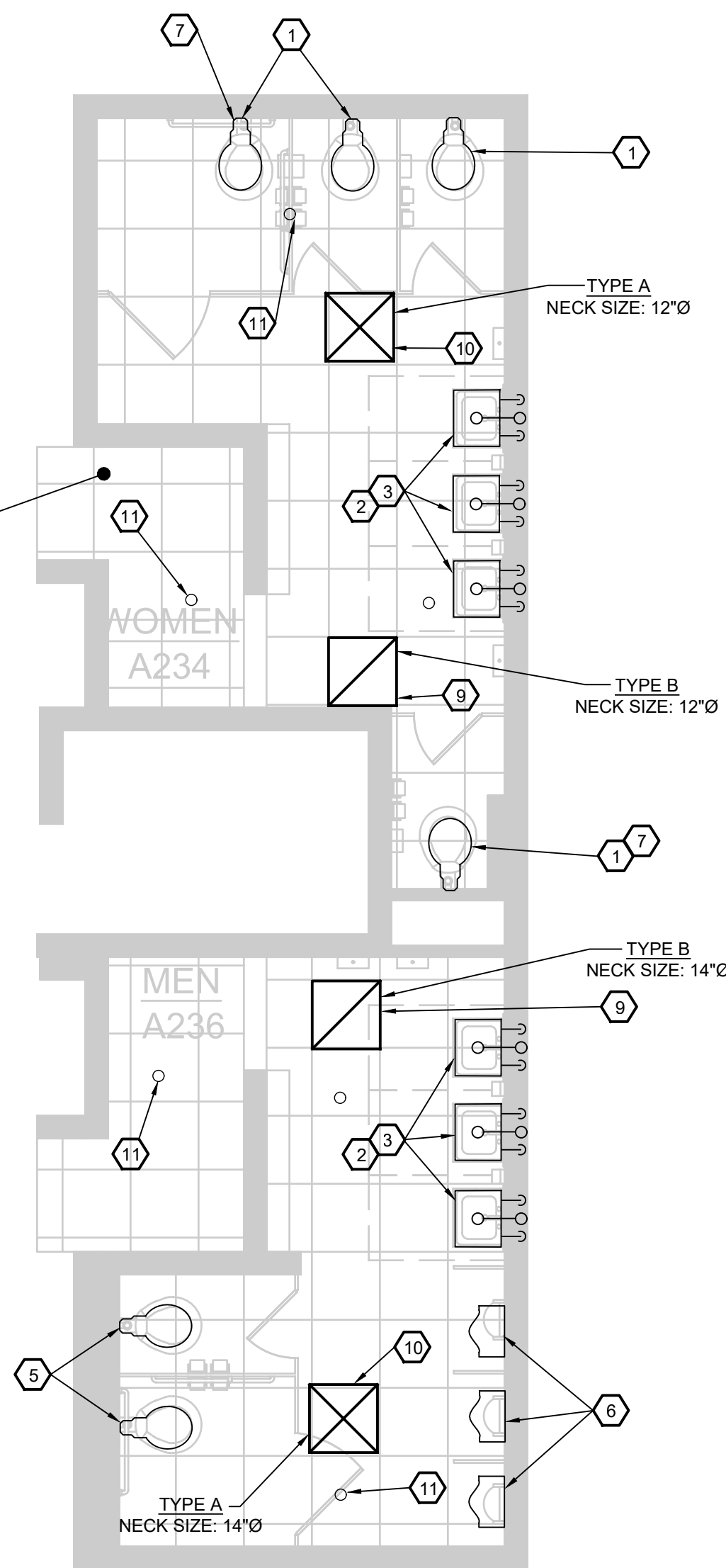
MEN A136, WOMEN A137
1/4"=1'-0"



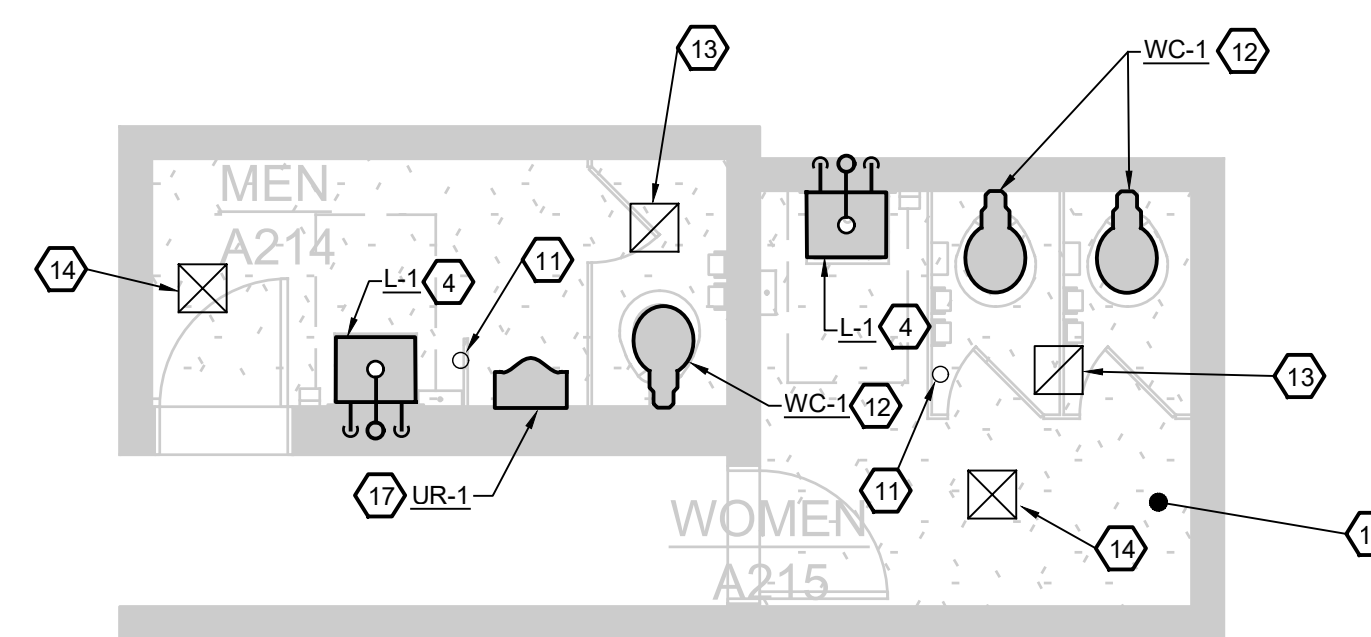
MEN E103, WOMEN E104



MEN A207, WOMEN A209
1/4"=1'-0"



MEN A234, WOMEN A236
1/4"=1'-0"



MEN A214, WOMEN A215
1/4"=1'-0"

KEYED NOTES

- 1 REMOVE AND REINSTALL EXISTING WATER CLOSET FOR ABILITY TO SECURE EXISTING WATER CLOSET. WATER CLOSET IS LOOSE. INSTALL NEW WAX RING, NEW STUDS, AND NUTS AND REINSTALL EXISTING WATER CLOSET. REPLACE EXISTING WATER CLOSET SEAT WITH NEW SEAT TO MATCH EXISTING.
- 2 EXISTING LAVATORY IS LOOSE. EXISTING LAVATORY TO BE RESUPPORTED AS NECESSARY ON EXISTING CARRIER WITH NEW FASTENERS. INTENT IS TO REMOVE LAVATORY AS NECESSARY TO SECURE EXISTING LAVATORY TO EXISTING CARRIER.
- 3 EXISTING LAVATORY TO REMAIN. FURNISH AND INSTALL NEW FAUCET, PIPE PROTECTIVE COVERS, THERMOSTATIC MIXING VALVE, ANGLE STOP VALVES, GRID STRAINER AND ASSOCIATED FITTINGS TO BE ABLE TO REPLACE GRID STRAINER.
- 4 FURNISH AND INSTALL NEW LAVATORY, FAUCET, AND FITTINGS. CONNECT TO EXISTING PIPING. INTENT IS TO INSTALL NEW CARRIER WITH NEW LAVATORY AS NECESSARY FOR INSTALLATION OF NEW LAVATORY.
- 5 EXISTING WATER CLOSET TO REMAIN. REPLACE EXISTING WATER CLOSET SEAT WITH NEW SEAT TO MATCH EXISTING.
- 6 REMOVE AND REINSTALL EXISTING URINAL FOR ABILITY TO SECURE EXISTING URINAL. URINAL IS LOOSE. EXISTING URINAL TO BE RESUPPORTED WITH NEW FASTENERS. INTENT IS TO REMOVE EXISTING URINAL AS NECESSARY TO SECURE EXISTING URINAL TO EXISTING CARRIER.
- 7 FURNISH AND INSTALL NEW FLUSH VALVE ON EXISTING URINAL/WATER CLOSET.
- 8 EXISTING URINAL TO REMAIN.
- 9 APPROXIMATE LOCATION OF NEW EXHAUST AIR GRILLE TO BE INSTALLED. CLOSELY COORDINATE GRILLE LOCATION WITH ARCHITECTURAL CEILING PLANS, ELECTRICAL LIGHTING PLANS AND EXISTING DUCTWORK LOCATION(S). TRANSITION GRILLE NECK SIZE AS NECESSARY FOR CONNECTION TO EXISTING DUCTWORK. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCTWORK ABOVE CEILING.
- 10 APPROXIMATE LOCATION OF NEW SUPPLY AIR DIFFUSER TO BE INSTALLED. CLOSELY COORDINATE DIFFUSER LOCATION WITH ARCHITECTURAL CEILING PLANS, ELECTRICAL LIGHTING PLANS, AND EXISTING DUCTWORK LOCATION(S). TRANSITION DIFFUSER NECK SIZE AS NECESSARY FOR CONNECTION TO EXISTING DUCTWORK. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCTWORK.
- 11 APPROXIMATE LOCATION OF EXISTING FIRE PROTECTION SPRINKLER HEAD. FIELD VERIFY EXACT LOCATION OF EXISTING SPRINKLER HEAD. TYPICAL FOR ALL FIRE PROTECTION SPRINKLER HEADS.

GENERAL NOTES:

1. ALL PLUMBING, PIPING, ETC. SHALL BE INSTALLED PER STATE/LOCAL CODES.
2. ALL WATER CLOSETS SHALL HAVE NEW TOILET SEATS.
3. SEAL/RESEAL AROUND ALL NEW AND EXISTING PLUMBING FIXTURES. EXISTING SEALANT TO BE REMOVED PRIOR TO INSTALLING NEW SEALANT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EACH TOILET ROOM.

KEYED NOTES CONTINUED

- 12 FURNISH AND INSTALL NEW FLOOR MOUNTED WATER CLOSET, FLUSH VALVE, AND OTHER ASSOCIATED FITTINGS. INTENT IS TO INSTALL NEW WAX RING, MOUNTING HARDWARE, ETC.
- 13 EXISTING EXHAUST AIR GRILLE WITHIN EXISTING DRYWALL CEILING TO REMAIN.
- 14 EXISTING SUPPLY AIR GRILLE WITHIN EXISTING DRYWALL CEILING TO REMAIN.
- 15 NEW LAY-IN CEILING TO BE INSTALLED. REFER TO ARCHITECTURAL PLANS. (TYP.)
- 16 EXISTING DRYWALL CEILING TO REMAIN. REFER TO ARCHITECTURAL PLANS. (TYP.)
- 17 FURNISH AND INSTALL NEW URINAL, FLUSH VALVE, AND OTHER ASSOCIATED FITTINGS, MOUNTING HARDWARE, ETC. INTENT IS TO PROVIDE AND INSTALL NEW CARRIER FOR URINAL AS NECESSARY.
- 18 FURNISH AND INSTALL NEW CARRIER FOR URINAL.

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PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL**

BAY CITY, MICHIGAN

SHEET TITLE
**ENLARGED PLANS -
MECHANICAL REVISED**

PROJECT NUMBER 2019113.3	SHEET NUMBER
PROJECT DATE 2024	M2.02
CHECKED BY GRS	

MECHANICAL SYMBOL LIST			
— SAN —	SANITARY PIPING BELOW FLOOR OR GRADE	[A-250]	SUPPLY AIR DIFFUSER - TYPE "A", 250 CFM
— SAN —	SANITARY PIPING ABOVE FLOOR	[B-250]	RETURN OR EXHAUST AIR GRILLE - TYPE "B", 250 CFM
— SAN —	CO ABOVE FLOOR	[SLOT]	SLOT DIFFUSER
— SAN —	CO UP TO GRADE	[DM]	MANUAL DAMPER
— SAN —	CO UP TO FLOOR	[MOT]	MOTORIZED DAMPER
— G —	NATURAL GAS PIPING	[GSD]	DUCT SMOKE DETECTOR
— V —	VENT PIPING	ABV	ABOVE
— V —	DOMESTIC COLD WATER PIPING	AFF	ABOVE FINISHED FLOOR
— V —	DOMESTIC HOT WATER PIPING	BF	BARRIER FREE
— V —	DOMESTIC HOT WATER RETURN PIPING	BFG	BELOW FINISHED GRADE
— FP —	FIRE PROTECTION PIPING	CFM	CUBIC FEET PER MINUTE
— FP —	TRIPLE DUTY VALVE	CH	CABINET HEATER
— R —	REDUCER	CO	CLEAN OUT
— CAP —	CAP	COND	CONDENSATE
— UN —	UNION	CW	COLD WATER
— CV —	CHECK VALVE	EF	EXHAUST FAN
— 2W —	TWO WAY CONTROL VALVE (ELECTRIC)	EWC	ELECTRIC WATER COOLER
— 3W —	THREE WAY CONTROL VALVE (ELECTRIC)	EX	EXISTING
— IG —	ISOLATION GATE VALVE	FD	FLOOR DRAIN
— GFL —	GRISWOLD AUTOMATIC FLOW LIMITING VALVE	FS	FLOOR SINK
— RPB —	REDUCED PRESURE BACKFLOW PREVENTER	GPM	GALLONS PER MINUTE
— IR —	VALVE IN RISER	HW	HOT WATER
— ER —	ELBOW RISING UP	HWR	HOT WATER RETURN
— ED —	ELBOW DROPPING DOWN	JS	JANITORS SINK
— TP —	TEE WITH PIPE UP	L	LAVATORY
— TD —	TEE WITH PIPE DOWN	MBD	MANUAL BALANCING DAMPER
— SS —	SERVICE SINK	MJA	MAKE UP AIR UNIT
— FT —	FLUSH TANK WATER CLOSET	NC	NORMALLY CLOSED
— FM —	FLUSH VALVE FLOOR MOUNTED	NO	NORMALLY OPENED
— FW —	FLUSH VALVE WALL MOUNTED	OA	OUTSIDE AIR
— UR —	URINAL	PSI	POUNDS PER SQUARE INCH
— LS —	LAVATORY OR SINK	RA	RETURN AIR
— FS —	FLOOR SINK	RTU	ROOF TOP UNIT
— FD —	FLOOR DRAIN	SA	SUPPLY AIR
— CD —	CARBON DIOXIDE SENSOR	SED	SECONDARY EMERGENCY DRAINAGE
— TS —	THERMOSTAT OR WALL SENSOR	SERD	SECONDARY EMERGENCY ROOF DRAIN
— EF —	EXHAUST FAN WITH FAN ABOVE (FLOOR PLAN)	SH	SHOWER
— ER —	EXHAUST FAN ON ROOF (ROOF PLAN)	SK	SINK
		SP	STATIC PRESSURE
		SS	SERVICE SINK
		UR	URINAL
		V	VENT
		VFD	VARIABLE FREQUENCY DRIVE
		VS	VENT STACK
		VTR	VENT THRU ROOF
		WC	WATER CLOSET
		WCO	WALL CLEAN OUT
		[T]	TRAP
		[DP]	DIFFERENTIAL PRESSURE SENSOR

GENERAL MECHANICAL NOTES

- THE MECHANICAL TRADES SHALL FAMILIARIZE THEMSELVES WITH ALL EXISTING AND NEW CONDITIONS, THESE DRAWINGS, ADDENDA & RELATED SPECIFICATIONS. THEY SHALL COMPLETELY SATISFY THEMSELVES AS TO THE CONDITIONS TO WHICH THE WORK IS TO BE PERFORMED BEFORE SUBMITTING THEIR BID. NO ALLOWANCES OR CONSIDERATIONS WILL BE GIVEN AT A LATER DATE FOR ALL LEGAL MISUNDERSTANDINGS AS TO THE REQUIREMENTS OF THE WORK. MATERIALS TO BE FURNISHED, OR CONDITIONS REQUIRED BY THE NATURE OF THIS PROJECT SITE DUE TO NEGLIGENCE ON THE BIDDERS PART TO MAKE SUCH AN EXAMINATION AND COORDINATION.
- DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW APPROXIMATE LOCATION AND GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. DRAWINGS SHALL NOT BE SCALED FOR LOCATION OF SYSTEMS, EQUIPMENT, ETC. ALL LOCATIONS OF SYSTEMS AND EQUIPMENT SHALL BE VERIFIED IN FIELD AND COORDINATED WITH ALL OTHER TRADES AND EXISTING FIELD CONDITIONS. SOME SYSTEMS (PIPING, DUCTWORK, ETC.) AND EQUIPMENT LOCATIONS MAY REQUIRE CHANGES IN LOCATION DUE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER. FAILURE TO VERIFY AND COORDINATE WILL BE NO REASON FOR ADDITIONAL COMPENSATION.
- THE INSTALLATION OF ALL SYSTEMS, EQUIPMENT, ETC., IS SUBJECT TO CLARIFICATION WITH SUBMITTED SHOP DRAWINGS AND FIELD COORDINATION REQUIREMENTS. EQUIPMENT OUTLINES SHOWN ON DRAWINGS OR DIMENSIONED ON DRAWINGS ARE LIMITING DIMENSIONS. ANY EQUIPMENT THAT REDUCES THE INDICATED CLEARANCES OR EXCEEDS SPECIFIED OR SCHEDULED EQUIPMENT DIMENSIONS SHALL NOT BE USED.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL EQUIPMENT WITH PIPING, DUCTWORK, ETC., AT THE TIME OF ROUGH-IN. ALL EQUIPMENT TO BE SERVICEABLE ABOVE CEILING EQUIPMENT SHALL BE WITHIN 18" OF CEILING WITHOUT ANY OBSTRUCTION AND SHALL HAVE ALL SERVICE AND ACCESS SPACES KEPT CLEAR. PERFORM ABOVE CEILING COORDINATION WITH ALL TRADES.
- THESE DRAWINGS AND THE ASSOCIATED SPECIFICATIONS ARE INTENDED TO PROVIDE COMPLETELY FURNISHED, INSTALLED AND OPERATIONAL MECHANICAL SYSTEM (HEATING, VENTILATING, AIR CONDITIONING, PLUMBING AND PIPING, ETC.). IF THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS HAVE INFORMATION OMITTED THAT WOULD NOT ALLOW A COMPLETELY OPERATIONAL SYSTEM AS IS THE INTENT OF THE ENGINEER, THE BIDDER SHALL NOTIFY THE ENGINEER A MINIMUM ONE WEEK PRIOR TO THE BID DATE TO ALLOW FOR ADDENDA. ONCE BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL, LABOR, ETC., TO FURNISH AND INSTALL A COMPLETELY OPERATIONAL MECHANICAL SYSTEM AS IS THE INTENT OF THESE DRAWINGS AND ASSOCIATED SPECIFICATION. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. IF ANY DISCREPANCIES ARE ON DRAWINGS, AS COMPARED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND INSTALL EQUIPMENT AS REQUIRED AT NO ADDITIONAL COST TO THE PROJECT.
- THE MECHANICAL TRADES SHALL TAKE OUT ALL PERMITS AND ARRANGE FOR NECESSARY INSPECTIONS AND SHALL PAY ALL FEES AND COSTS.
- THE MECHANICAL TRADES SHALL VERIFY AMOUNT OF EXISTING PIPING, VALVES, DUCTWORK, ETC. TO BE REMOVED OR RELOCATED TO ALLOW FOR INSTALLATION OF NEW PIPING, DUCTWORK, VALVES, EQUIPMENT, WALLS, ETC. ALL ABANDONED PIPING, VALVES, ETC., SHALL BE REMOVED.
- THE MECHANICAL TRADES SHALL COORDINATE ALL WORK WITH OTHER TRADES AND SHALL COORDINATE ANY SYSTEMS SHUT-DOWN WITH THE ARCHITECT/ENGINEER AND OWNER.
- ALL EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. THAT IS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL REMOVE AND LOCATE THIS MATERIAL THAT REMAINS THE PROPERTY OF THE OWNER TO A LOCATION DETERMINED BY THE OWNER SOMEWHERE ON SITE. IF THE OWNER DOES NOT WANT TO MAINTAIN POSSESSION OF THE REMOVED MATERIAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MATERIAL FROM THE SITE AND DISPOSING OF THIS MATERIAL AS NECESSARY TO MEET ALL CODES AND REQUIREMENTS AND SHALL PAY ALL COSTS AS REQUIRED FOR ANY DISPOSAL FEES, INSPECTIONS, PERMITS, ETC.
- ATTACHMENTS OF MECHANICAL OR ELECTRICAL EQUIPMENT TO STRUCTURAL MEMBERS ARE THE RESPONSIBILITY OF THE INSTALLING TRADE. STRUCTURAL MEMBERS SHALL NOT BE FIELD CUT, WELDED OR OTHERWISE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER. ATTACHMENT TO STEEL JOISTS SHALL BE MADE AT PANEL POINTS WHENEVER POSSIBLE. STEEL JOISTS SHALL BE REINFORCED FOR NON-PANEL POINT CONCENTRATED LOADS IN ACCORDANCE WITH THE STRUCTURAL DETAILS. THIS WORK SHALL BE PERFORMED BY CERTIFIED WELDERS AND IS THE RESPONSIBILITY OF THE TRADE INSTALLING THE SUBJECT LOAD. STRUCTURAL MEMBERS SHALL NOT BE OVERLOADED AS A RESULT OF ATTACHMENTS. ATTACHMENT/EQUIPMENT LOADING FOR ALL TRADES RESULTING IN TOTAL LOAD GREATER THAN AN EQUIVALENT UNIFORM 5 PSF FOR ANY MEMBER SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW.
- THE MECHANICAL TRADES SHALL FURNISH AND LOCATE CEILING AND/OR WALL ACCESS DOORS AS REQUIRED TO GIVE ACCESS TO VALVES, EQUIPMENT, ETC. COORDINATE WALL OR CEILING FIRE RATINGS AND FURNISH ACCESS DOOR WITH RATING AS NECESSARY. THE GENERAL TRADES SHALL INSTALL ACCESS DOORS.
- SEE SPECIFICATION FOR FURTHER INFORMATION.

SPECIFIED AND SCHEDULED EQUIPMENT NOTE

EQUIPMENT MANUFACTURERS AND MATERIALS SPECIFIED OR SCHEDULED ON THESE PROJECT DRAWINGS AND SPECIFICATIONS SHALL BE INCLUDED UNDER THE BASE BID PRICE. SUBSTITUTE OR ALTERNATE EQUIPMENT SHALL BE PRICED AS AN ADD OR DEDUCT PRICE TO THE CONTRACTOR'S BASE BID PRICE. IF ONE OR MORE SUBSTITUTIONS ARE ACCEPTED WITH THE PROPOSAL AT THE CORRESPONDING ALTERNATE PRICE, IT SHALL BE UNDERSTOOD THAT APPROVAL OF SAID EQUIPMENT SHALL BE SUBJECT TO STRICT ADHERENCE TO THE PLANS AND SPECIFICATIONS. SHOULD ANY OF THE SUBSTITUTE EQUIPMENT FAIL TO MEET THE SPECIFICATIONS AFTER THE PROPOSAL HAS BEEN ACCEPTED, REGARDLESS IF EQUIPMENT HAS BEEN SHIPPED TO THE SITE AND INSTALLED, THE CONTRACTOR SHALL FURNISH AT NO EXTRA COST TO THE OWNER, THE SPECIFIED EQUIPMENT MEETING THE REQUIREMENTS AS STATED IN THESE SPECIFICATIONS AND COVER ALL COSTS NECESSARY FOR REMOVAL AND REINSTALLATION OF EQUIPMENT.

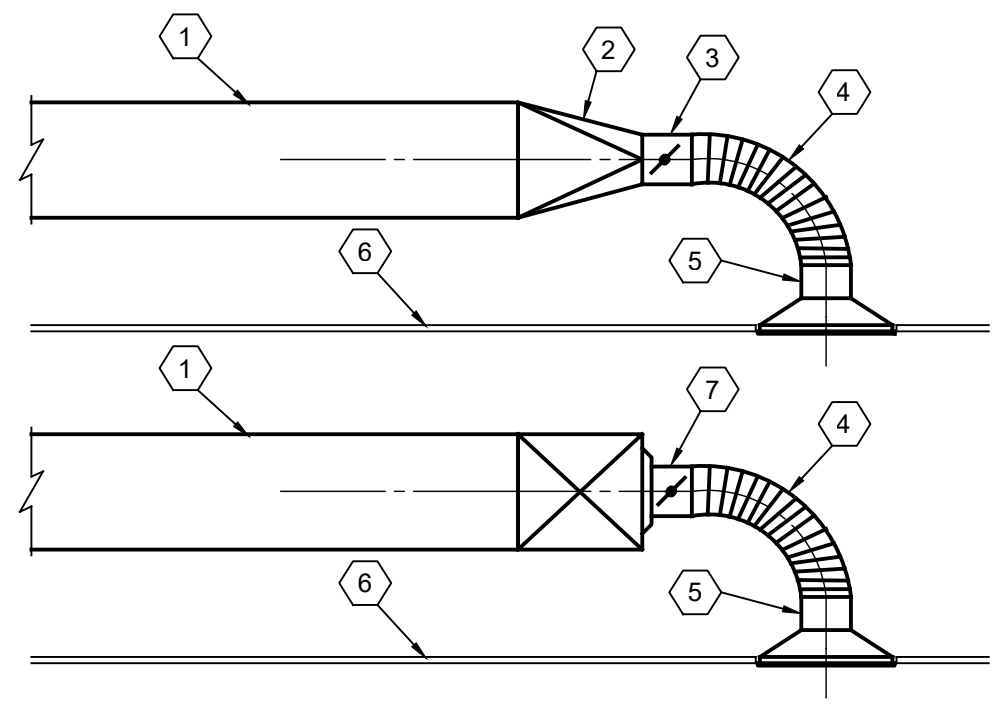
PLUMBING FIXTURE SCHEDULE

TAG/ DESCRIPTION	MANUFACTURER	MODEL #	NOTES
WC-1	AMERICAN STANDARD	3043.001	FLOOR MOUNTED FLUSH VALVE WATER CLOSET (BARRIER FREE); AMERICAN STANDARD #3043.001 MADERA FLOWISEA, D.A. EL. 1.6, 16 1/2" HIGH WATER SAVER TOILET WITH SIPHON JET ACTION, ELONGATED BOWL, WHITE VITREOUS CHINA, 1 1/2" TOP SPUD, 1.6 GALLONS PER FLUSH. FITTINGS SHALL INCLUDE ZURN Z-6000AV-WS1 FLUSH VALVE WITH VACUUM BREAKER, CENTOCO 1500 CC WHITE OPEN FRONT SEAT, LESS COVER, TO GIVE 17" HIGH TOP OF SEAT ABOVE FINISHED FLOOR FOR BARRIER FREE USE, BOLT CAPS, ETC. INSTALLATION SHALL MEET A.D.A. REQUIREMENTS. CONTROL FOR FLUSH VALVE SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREA. THE CONTRACTOR SHALL VERIFY EXISTING ROUGH-INS IN FIELD AND PROVIDE NEW FIXTURE AS REQUIRED TO MATCH EXISTING ROUGH-INS. CONTRACTOR SHALL VERIFY AND MATCH HEIGHT OF EXISTING WATER CLOSET IN FIELD BEFORE ORDERING NEW WATER CLOSET.
L-1	AMERICAN STANDARD	0356.012	WALL HUNG LAVATORY, LUCERNE, NOMINAL 20"x18" WHITE VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF DRAINING DECK, 4" ON CENTER HOLES CONSTRUCTED FOR CONCEALED ARM CARRIER AND ADA COMPLIANT. INSTALL THERMOSTATIC MIXING VALVE THAT IS ASSE 1070 LISTED UNDER EACH LAVATORY AND ADJUST TO 105 DEGREE HOT WATER MAXIMUM AT FAUCET. FITTINGS SHALL INCLUDE ZURN Z-7440-XL CENTERSET FAUCET WITH RIGID SPOUT, SINGLE LEVER MANUAL FAUCET WITH RIGID SPOUT AND COLOR INDEXES, 0.5 GPM FLOW DEVICE, GRID DRAIN, P-TRAP, WHEEL HANDLE STOPS AND TAILPIECE, ALL POLISHED CHROME FINISH, UNDERSINK PROTECTIVE PIPE COVERS, ZURN CONCEALED ARM CARRIER WITH FLOOR SUPPORT, ETC.
UR-1	AMERICAN STANDARD	6590.001	WALL HUNG, WASHBROOK URINAL WITH EVERCLEAN, WHITE VITREOUS CHINA WASH OUT WATER SAVER URINAL WITH 3/4" TOP INLET SPUD, OUTLET THREADED 2" FEMALE, 1.0 GALLON PER FLUSH. CONTROL FOR FLUSH VALVE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA. FITTINGS SHALL INCLUDE ZURN Z-6003AV-WS1 FLUSH VALVE WITH VACUUM BREAKER, ZURN CONCEALED ARM CARRIER WITH FLOOR SUPPORT.
UNDER LAVATORY PROTECTIVE PIPE COVERS	ZURN	Z8946	TRAP AND STOP/RISER INSULATED COVERS SHALL BE FURNISHED AND INSTALLED ON ALL EXPOSED PIPING AND VALVES BELOW LAVATORIES TO MEET ADA REQUIREMENTS. THIS SHALL INCLUDE DRAIN, CW AND HW PIPING, FITTINGS, VALVES, ETC.
THERMOSTATIC MIXING VALVE		ASSE 1070	THERMOSTATIC MIXING VALVE SHALL BE FURNISHED AND INSTALLED UNDER EACH NEW LAVATORY, HAND SINK, COUNTERTOP SINK AND SIMILAR FIXTURES. VALVE SHALL BE LISTED ASSE 1070, 1/2" SIZE WITH STRAINER AND CHECK-STOPS. PIPE TO HOT WATER SIDE OF FAUCET AND ADJUST TO PROVIDE 105F HOT WATER AT FAUCET.
4" CENTERSET FAUCET	ZURN	Z7440-XL	ZURN Z-7440-XL CENTERSET FAUCET WITH RIGID SPOUT, SINGLE LEVER MANUAL FAUCET WITH RIGID SPOUT AND COLOR INDEXES, 0.5 GPM FLOW DEVICE, GRID DRAIN, P-TRAP, WHEEL HANDLE STOPS AND TAILPIECE, ALL POLISHED CHROME FINISH, UNDERSINK PROTECTIVE PIPE COVERS. INSTALL THERMOSTATIC MIXING VALVE THAT IS ASSE 1070 LISTED UNDER EACH LAVATORY AND ADJUST TO 105 DEGREE HOT WATER MAXIMUM AT FAUCET. CONTRACTOR SHALL FIELD VERIFY EXACT FAUCET QUANTITIES AND SIZES PRIOR TO ORDERING. FAUCET SIZE SHALL BE DETERMINED ON A CASE-BY-CASE BASIS.
8" CENTERSET FAUCET	ZURN	Z831R1-XL	ZURN #Z831R1-XL POLISHED CHROME PLATE WIDESPREAD LAVATORY FAUCET WITH 8" CENTERSET, BRASS LOW PROFILE SPOUT, VANDAL-RESISTANT COLOR CODED METAL LEVERS, MOUNTING HARDWARE, AND QUARTER TURN CERAMIC DISC CARTRIDGES, 0.5 GPM FLOW DEVICE, SOLENOID VALVE, UNDERSINK PIPE PROTECTIVE COVERS, GRID DRAIN, P-TRAP, LOOSE KEY STOPS, ALL POLISHED CHROME FINISH. INSTALL THERMOSTATIC MIXING VALVE THAT IS ASSE 1070 LISTED UNDER EACH LAVATORY AND ADJUST TO 105 DEGREE HOT WATER MAXIMUM AT FAUCET. CONTRACTOR SHALL FIELD VERIFY EXACT FAUCET QUANTITIES AND SIZES PRIOR TO ORDERING. FAUCET SIZE SHALL BE DETERMINED ON A CASE-BY-CASE BASIS.
WATER CLOSET FLUSH VALVE	ZURN	Z-6000-AV-WS1	ZURN Z-6000AV-WS1 FLUSH VALVE WITH VACUUM BREAKERS. CONTRACTOR SHALL FIELD VERIFY EXACT VACUUM TUBE HEIGHT, FLUSH VALVE SIZE, AND GALLONS PER FLUSH PRIOR TO ORDERING FLUSH VALVE. VACUUM TUBE HEIGHT SHALL BE DETERMINED ON A CASE-BY-CASE BASIS.
URINAL FLUSH VALVE	ZURN	Z-6003-AV-WS1	ZURN Z-6003AV-WS1 FLUSH VALVE WITH VACUUM BREAKER. CONTRACTOR SHALL FIELD VERIFY EXACT FLUSH VALVE SIZE, VACUUM TUBE HEIGHT, AND GALLONS PER FLUSH PRIOR TO ORDERING FLUSH VALVE. FLUSH VALVE SIZE AND VACUUM TUBE HEIGHT SHALL BE DETERMINED ON A CASE-BY-CASE BASIS.
WATER CLOSET SEAT	ZURN	Z5956SS-EL-AM-ST5	ZURN ELONGATED, EXTRA HEAVY DUTY, PREMIUM WHITE, OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.
ANGLE STOP VALVE	ZURN	Z8804-XL-LK-PC	ZURN CHROME PLATED, SOLID BRASS ANGLE STOP COMPRESSION TO COMPRESSION FITTING WITH LOOSE KEY.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

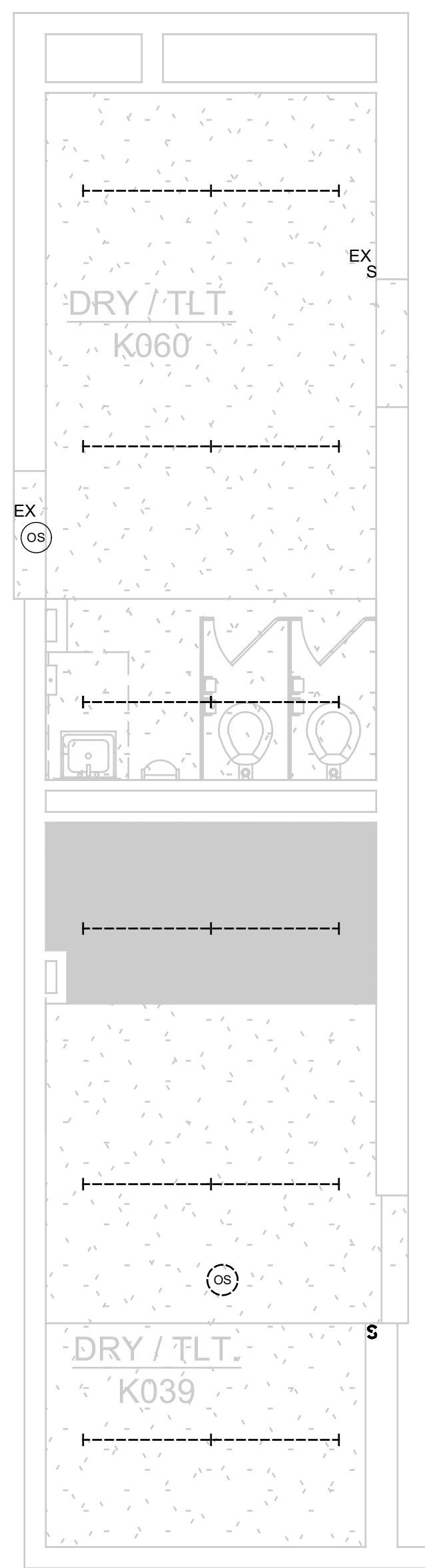
REF	TYPE SERVICE AND TYPE	MODEL NUMBERS	DEFLECTION	NECK SIZE	REMARKS
A	CEILING SUPPLY AIR DIFFUSER	PRICE SMDA OR EQUAL TITUS	4 WAY	0-125 CFM: 6" x 6" (6" DIA) / 126-250 CFM: 9" x 9" (8" DIA) / 251-350 CFM: 12" x 12" (10" DIA) / 351-450 CFM: 12" x 12" (12" DIA) / 451-600 CFM: 15" x 15" (14" DIA) / 601-900 CFM: 18" x 18" (16" DIA)	ALL STEEL CONSTRUCTION, ADJUSTABLE HORIZONTAL TO VERTICAL AIRFLOW PATTERN, 24X24, BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. FRAME AS REQUIRED FOR CEILING TYPE WITH DIFFUSER PANEL SHALL MATCH GRID SIZE WHERE INSTALLED IN LAY IN CEILING. MAXIMUM NECK VELOCITY SHALL BE 700 FPM AND MAXIMUM NC LEVEL SHALL BE 25.
B	CEILING EXHAUST AIR GRILLE	PRICE 80F OR EQUAL TITUS	EGGCRATE	0-125 CFM: 6" x 6" (6" DIA) / 126-250 CFM: 9" x 9" (8" DIA) / 251-350 CFM: 12" x 12" (10" DIA) / 351-450 CFM: 12" x 12" (12" DIA) / 451-600 CFM: 15" x 15" (14" DIA) / 601-900 CFM: 18" x 18" (16" DIA) / 901-1200 CFM: 21" x 21"	ALL STEEL CONSTRUCTION, BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. FRAME AS REQUIRED FOR CEILING TYPE. DIFFUSER PANEL SHALL MATCH GRID SIZE WHERE INSTALLED IN LAY IN CEILING. MAXIMUM NECK VELOCITY SHALL BE 700 FPM AND MAXIMUM NC LEVEL SHALL BE 25.
C	WALL EXHAUST AIR GRILLE	PRICE 530L OR EQUAL TITUS	SINGLE DEFLECTION	SEE DRAWINGS FOR SIZES	ALL STEEL CONSTRUCTION, SINGLE DEFLECTION BLADES, 35 DEGREE HORIZONTAL FRONT BLADES, BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT.
D	WALL SUPPLY AIR GRILLE	PRICE 520L OR EQUAL TITUS	DOUBLE DEFLECTION	SEE DRAWINGS FOR SIZES	ALL STEEL CONSTRUCTION, DOUBLE DEFLECTION BLADES, ADJUSTABLE HORIZONTAL FRONT BLADES, ADJUSTABLE VERTICAL REAR BLADES, BAKED ON ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT. IF GRILLE SIZE REQUIRES 2 SECTIONS, DECREASE WIDTH OF TRIM AT JOINT AS MUCH AS POSSIBLE.

- BRANCH DUCT
- TRANSITION
- DAMPER WITH POSITIVE LOCKING WING NUT
- FLEXIBLE INSULATED DUCT SIMILAR TO FLEXMASTER TYPE 3 OR APPROVED EQUAL MAXIMUM 5'-0" LENGTH
- DIFFUSER OR GRILLE W/ ROUND NECK OR SQUARE TO ROUND NECK ADAPTER
- LAY-IN CEILING
- TAKE-OFF FITTING SIMILAR TO FLEXMASTER MODEL #CB-D CONICAL BELL MOUTH FITTING WITH DAMPER AND POSITIVE LOCKING WING NUT

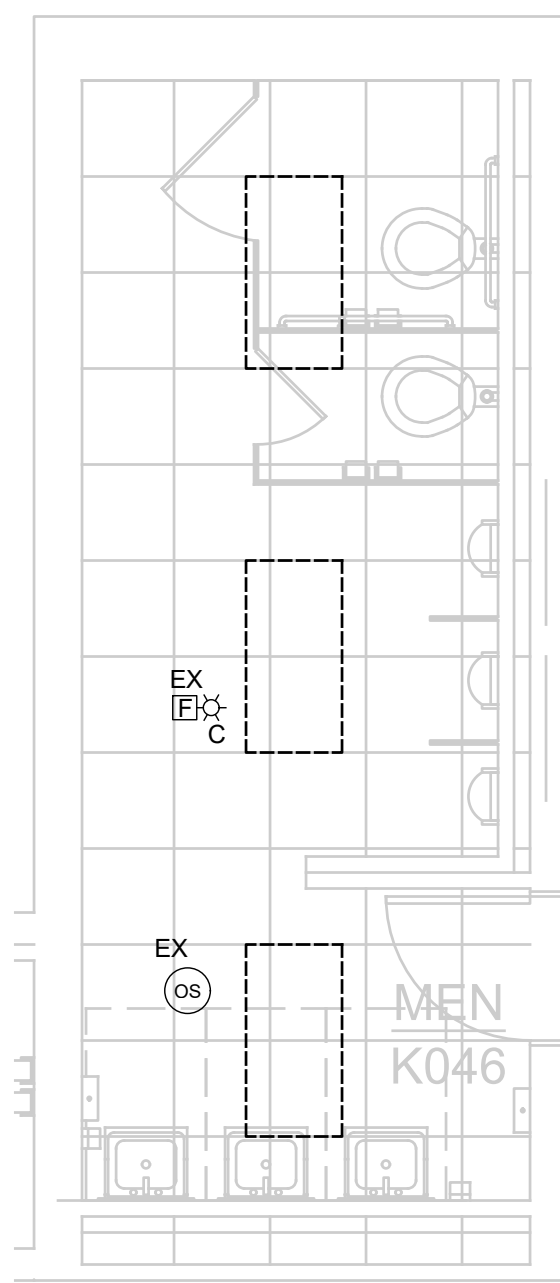


BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE DETAIL
NO SCALE

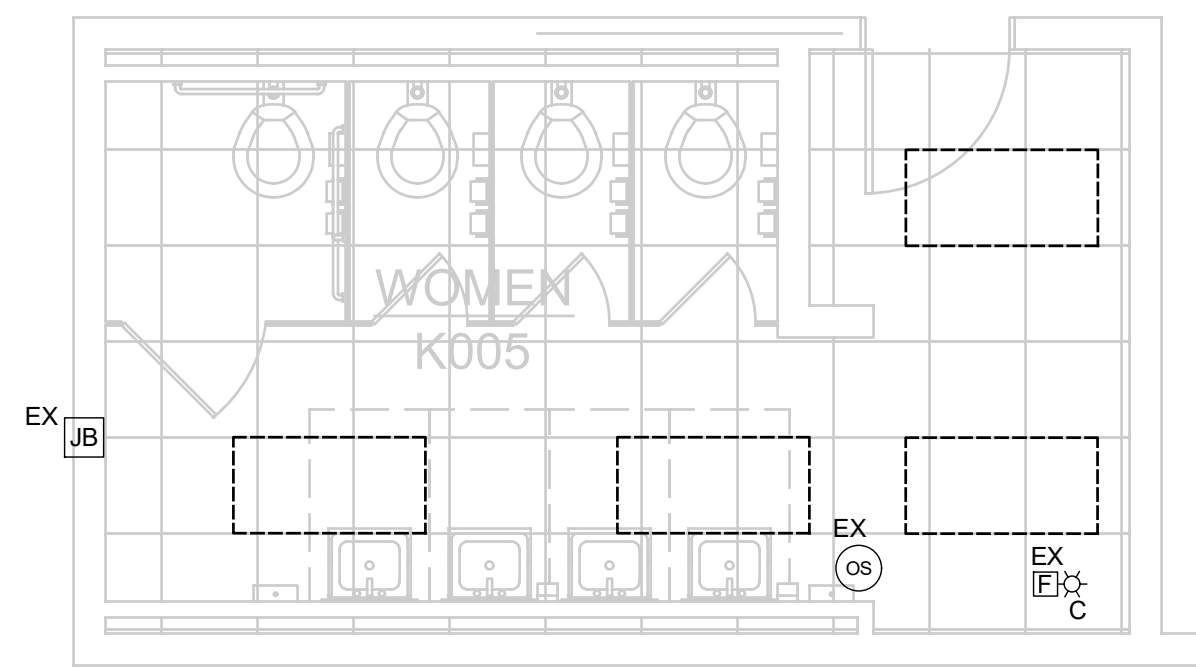
<p>100% ISSUED FOR BID 10/28/24</p> <p>50% REVIEW 10/03/2024</p>		
NO.	REVISION	DATE
<p>PROJECT TITLE TOILET ROOM RENOVATIONS FOR: WESTERN HIGH SCHOOL</p> <p>BAY CITY, MICHIGAN</p> <p>SHEET TITLE MECHANICAL SCHEDULES AND DETAILS</p>		
PROJECT NUMBER 2019113.3	SHEET NUMBER	
PROJECT DATE 2024	M3.01	
CHECKED BY GRS		



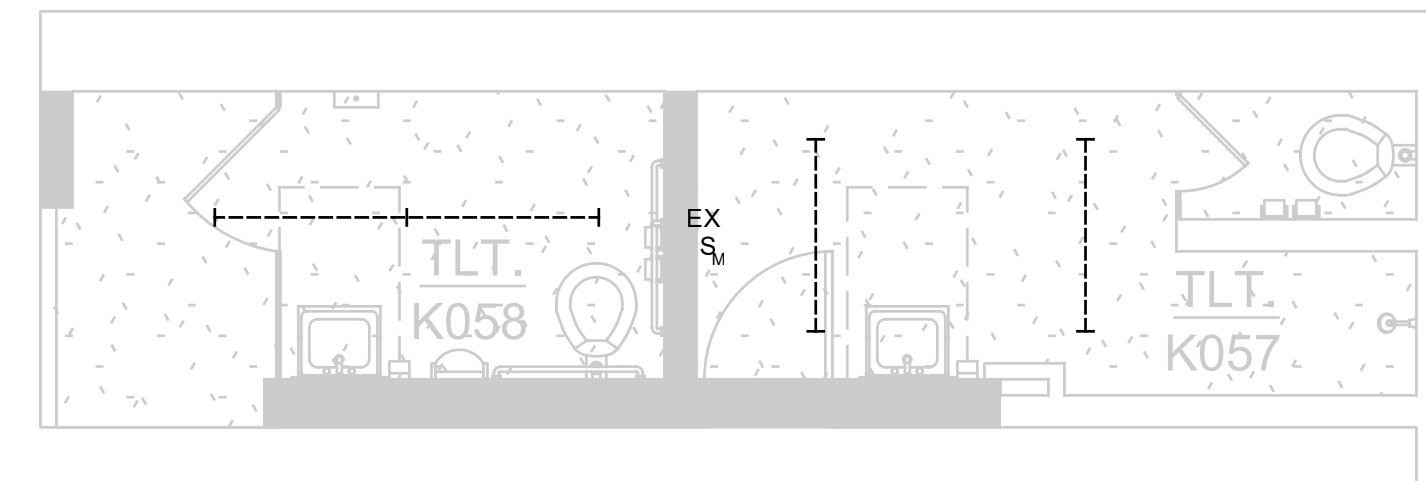
DRY/TLT. K060 & K039
1/4"=1'-0"



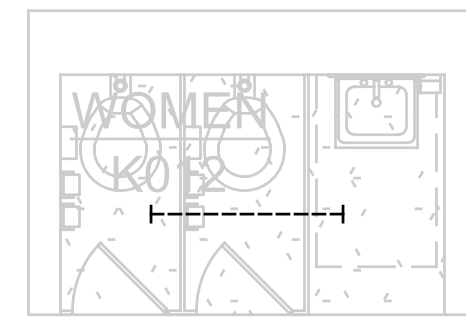
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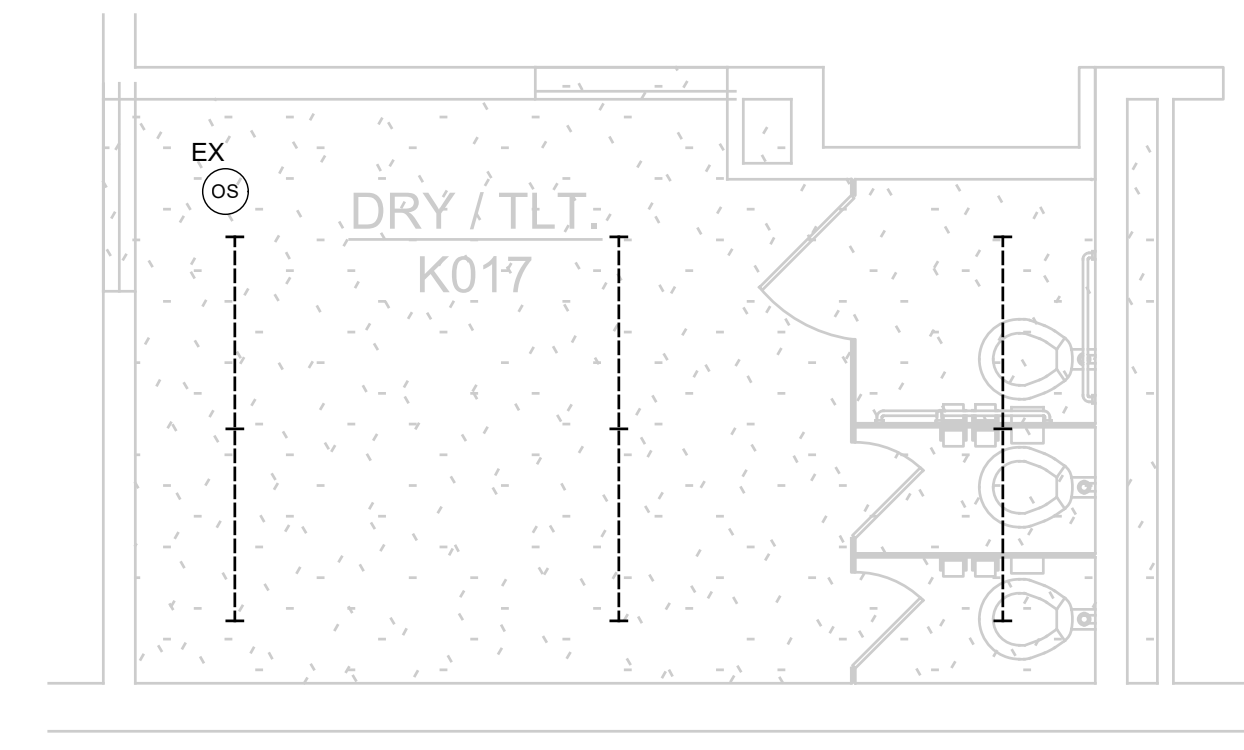
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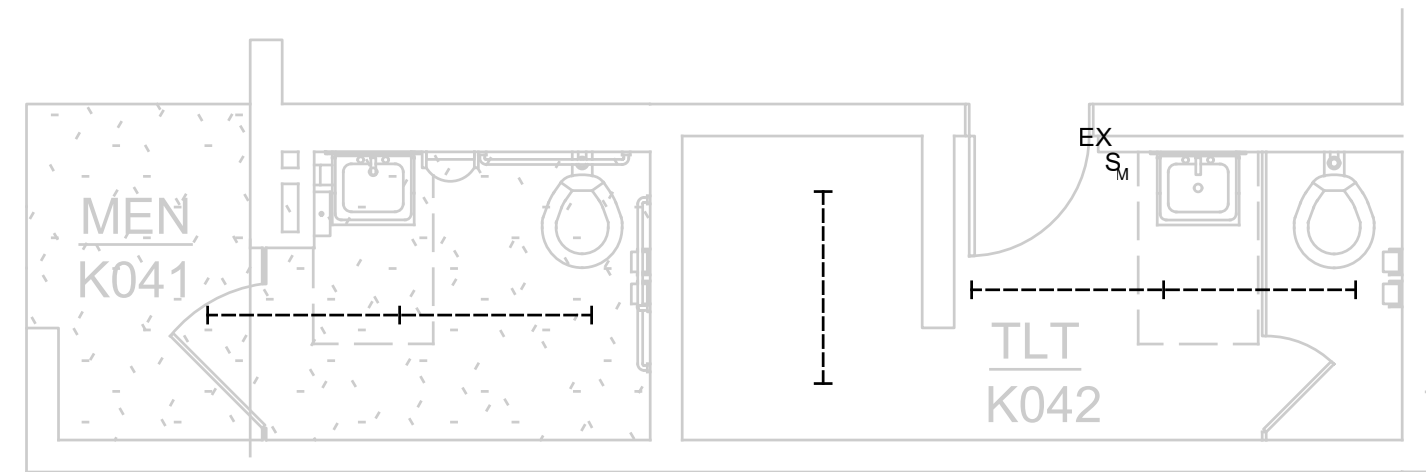
TLT. K057, K058
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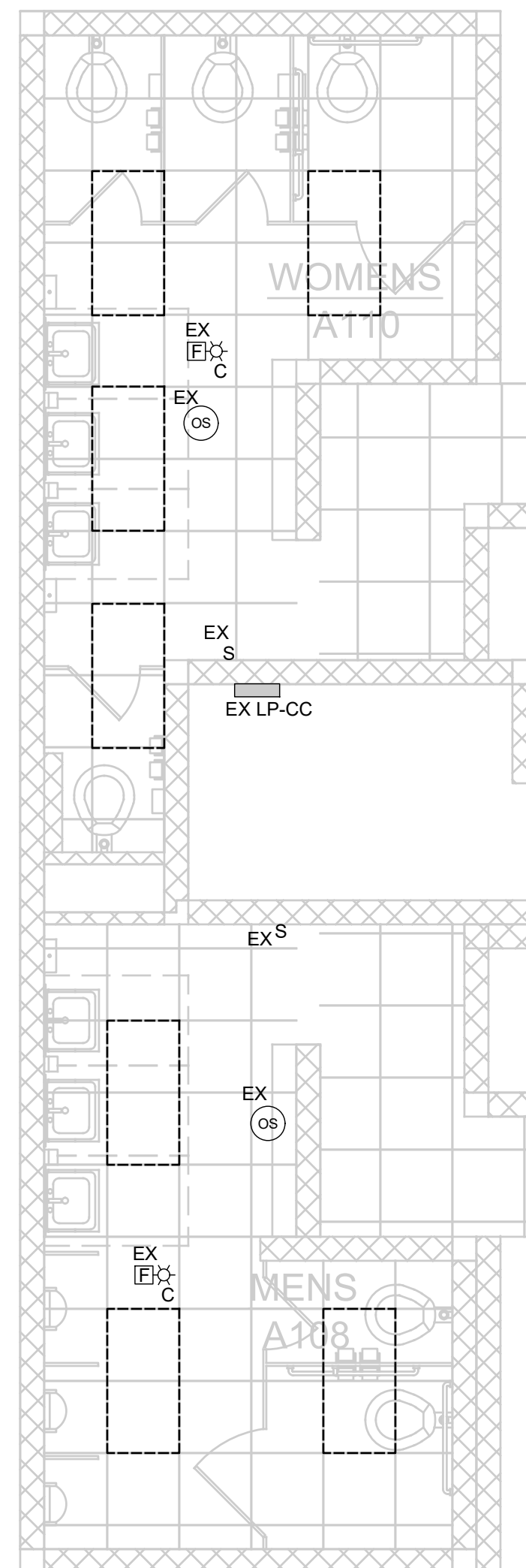
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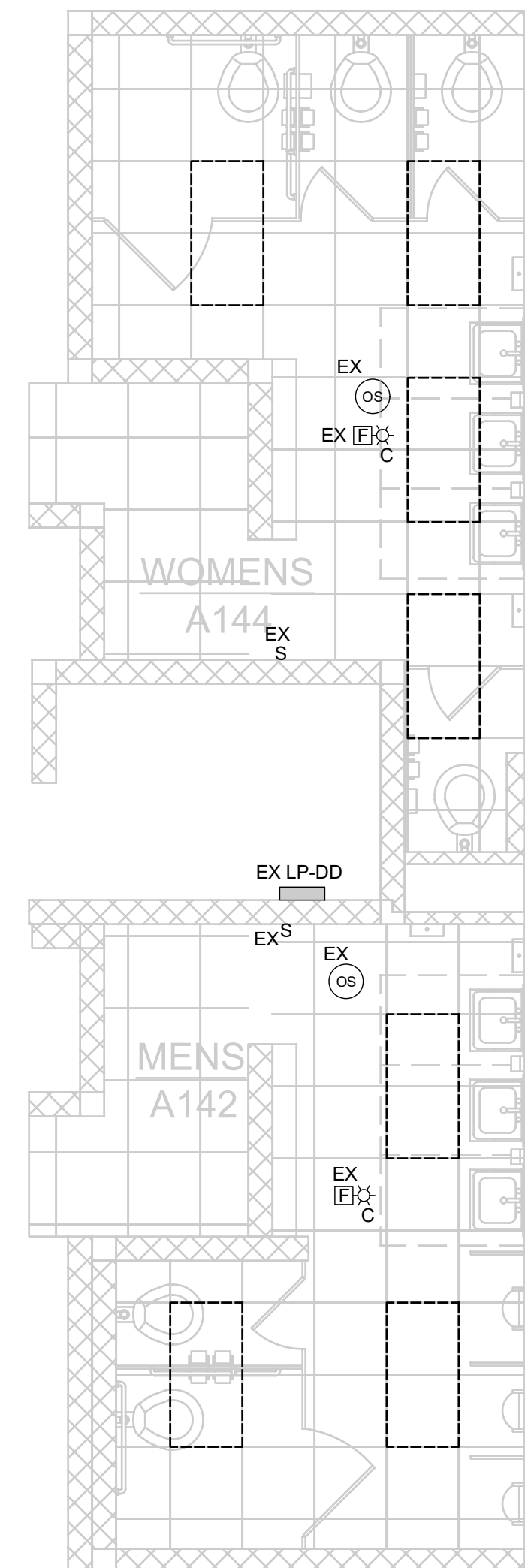
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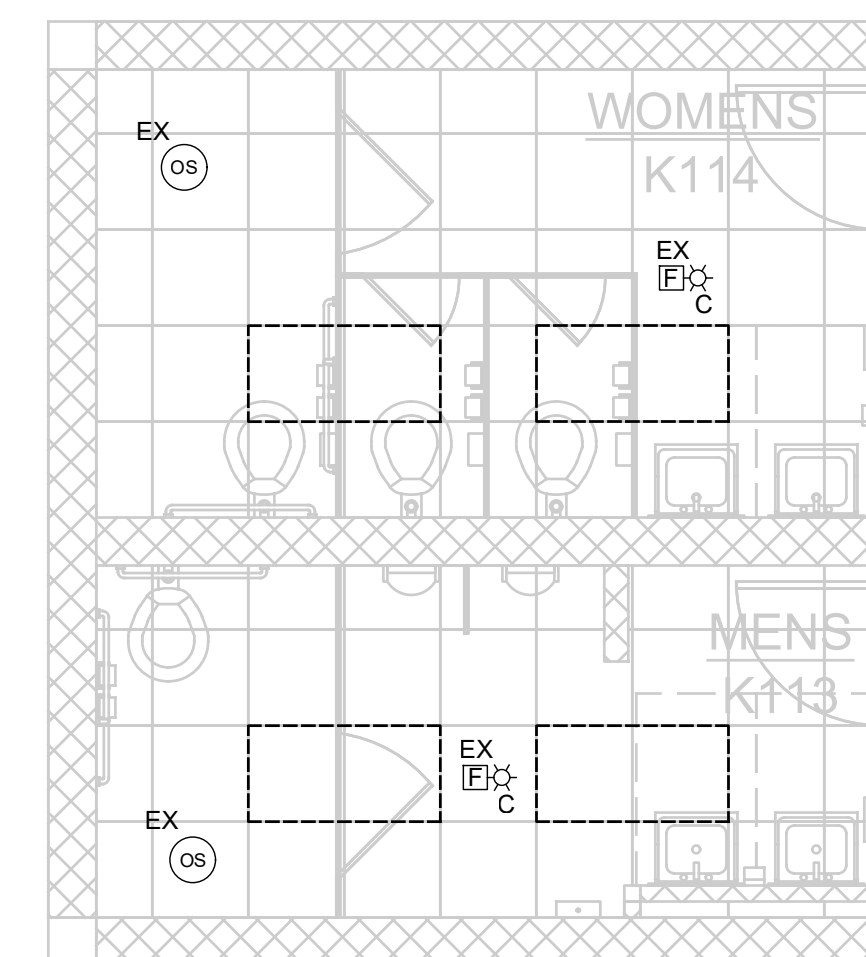
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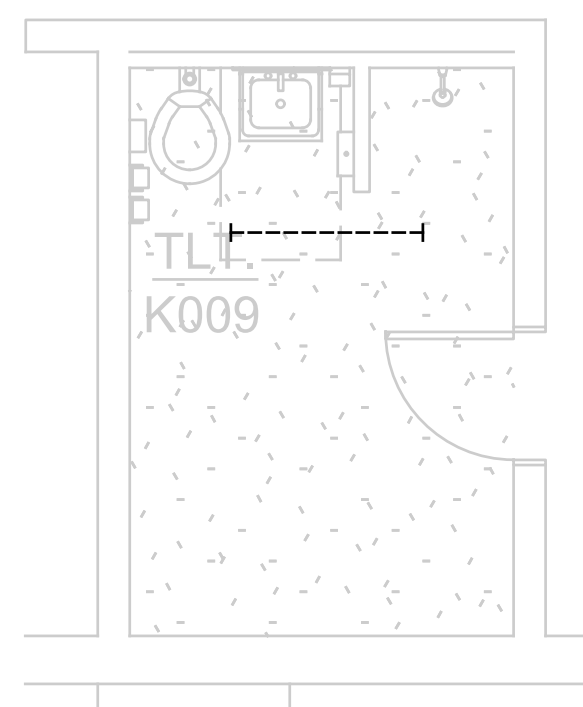
MEN A108, WOMEN A110
1/4"=1'-0"



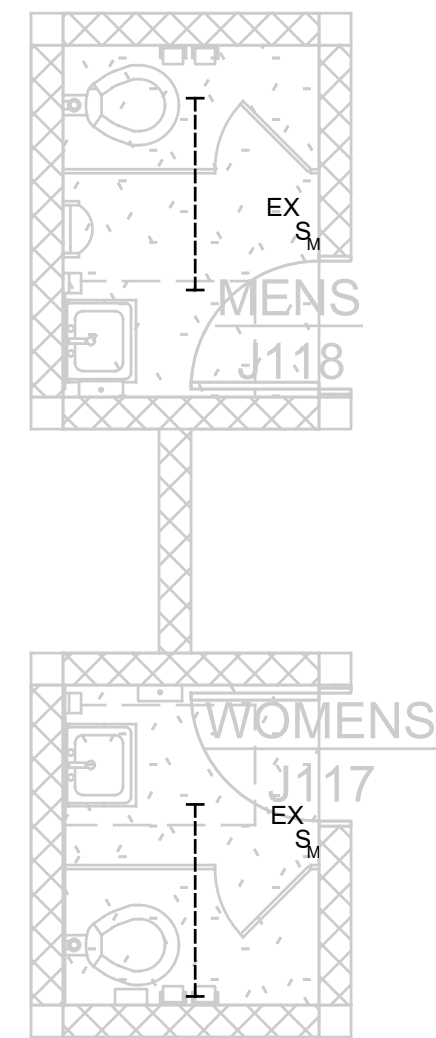
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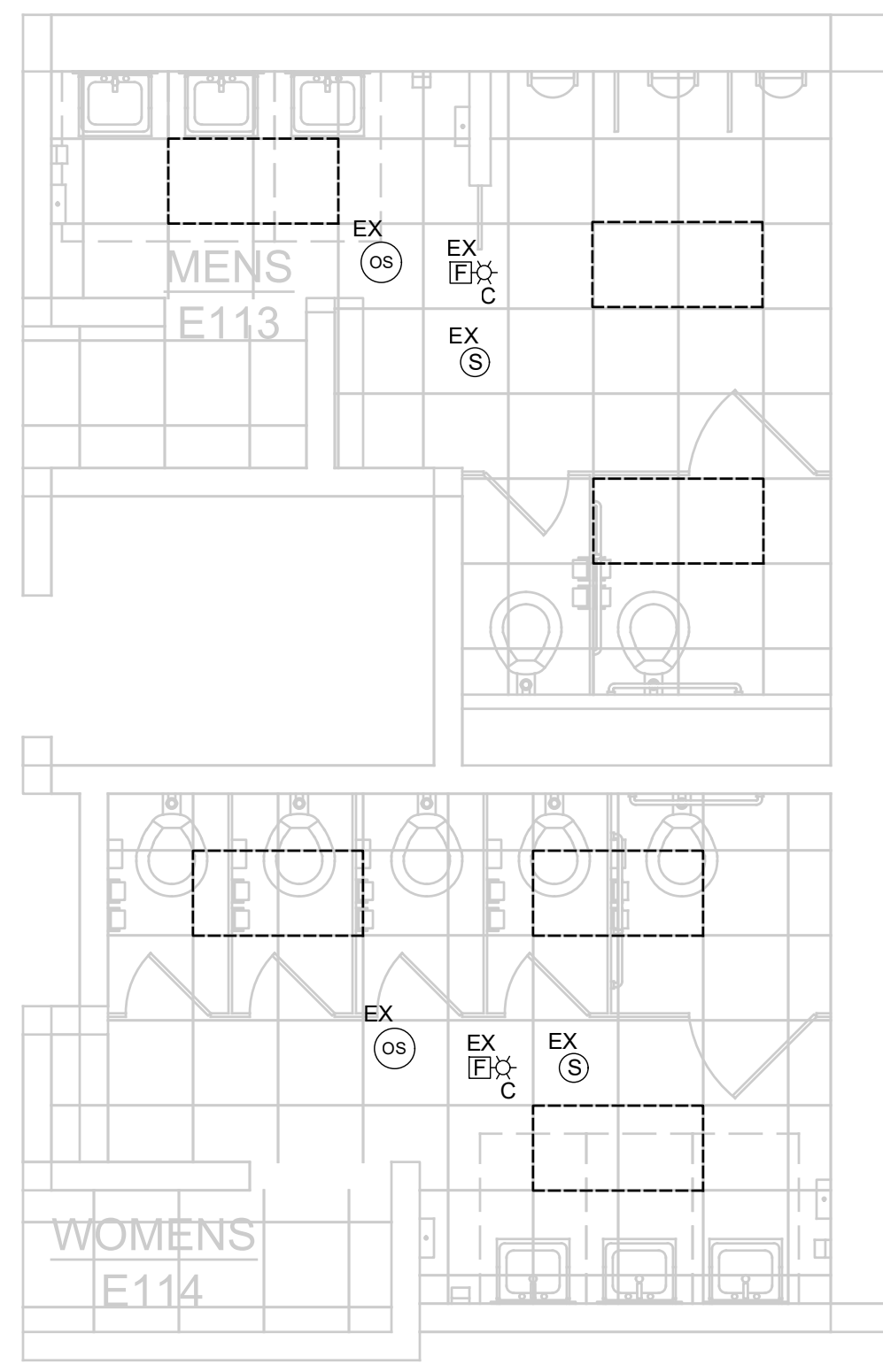
WOMEN K114, MEN K113
1/4"=1'-0"



TLT K009
1/4"=1'-0"



WOMEN J117, MEN J118
1/4"=1'-0"



MEN E113, WOMEN E114
1/4"=1'-0"

GENERAL DEMOLITION NOTES

1. DEVICE LOCATIONS ARE SHOWN DIAGRAMMATICAL. FIELD CONFIRM EXACT LOCATION.
2. DASHED LINES SHOWN ON DEMOLITION SHEETS ARE ITEMS SHOWN TO BE REMOVED UNLESS NOTED OTHERWISE.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES AND ASSOCIATED ELECTRICAL EQUIPMENT AS NEEDED. DESIGN INTENT IS TO RE-USE EXISTING LOCAL LIGHTING CIRCUIT FOR NEW BATHROOM FIXTURES.
4. FIRE ALARM SYSTEM IS EXISTING TO REMAIN. EXISTING DEVICES SHALL BE PROTECTED, REMOVED FROM EXISTING CEILING, TEMPORARILY SUPPORTED, AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
5. OCCUPANCY SENSORS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. EXISTING DEVICES SHALL BE REMOVED FROM EXISTING CEILING AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
6. SPEAKERS ARE EXISTING TO REMAIN. EXISTING DEVICES SHALL BE REMOVED FROM EXISTING CEILING AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
7. POWER PACKS SHALL BE EXISTING TO REMAIN.

NO.	REVISION	DATE
	100% ISSUED FOR BID	10/28/24
	50% REVIEW	10/03/24

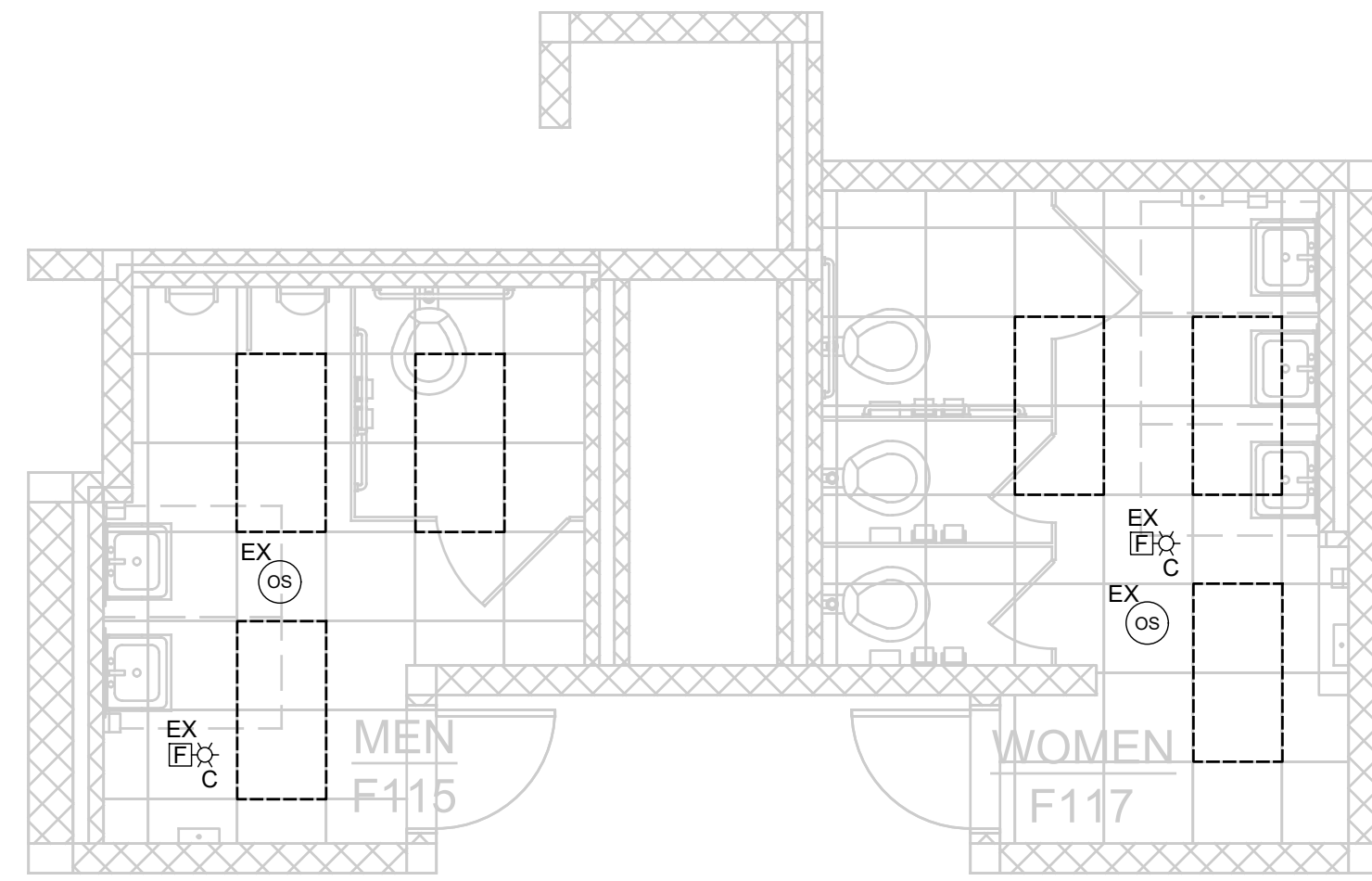
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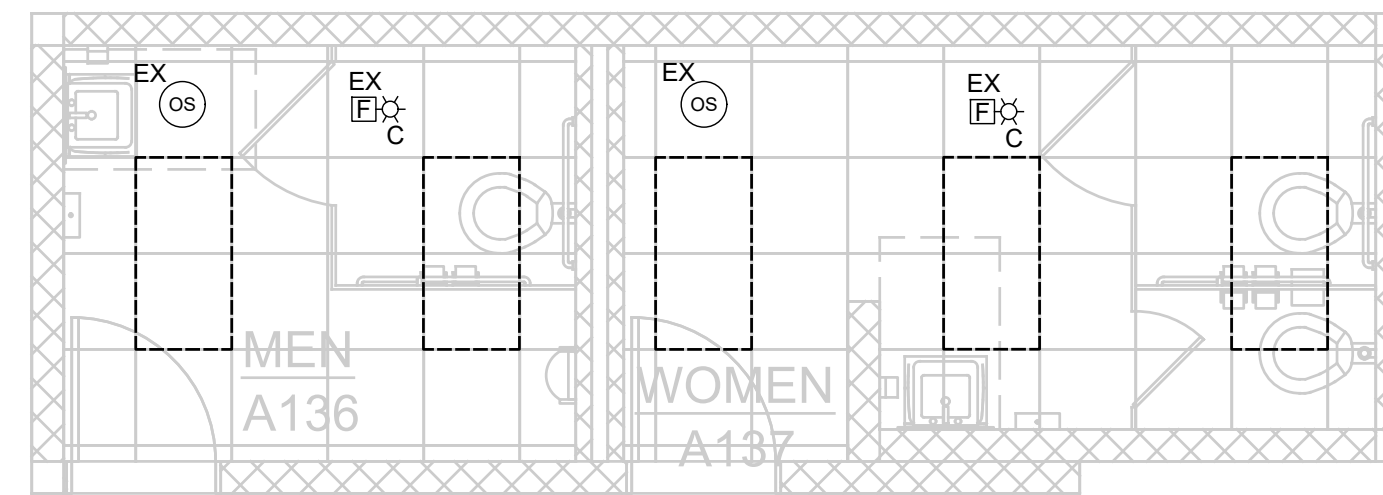
PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
 WESTERN HIGH SCHOOL**

BAY CITY, MICHIGAN
 SHEET TITLE
**ENLARGED PLANS -
 ELECTRICAL DEMOLITION**

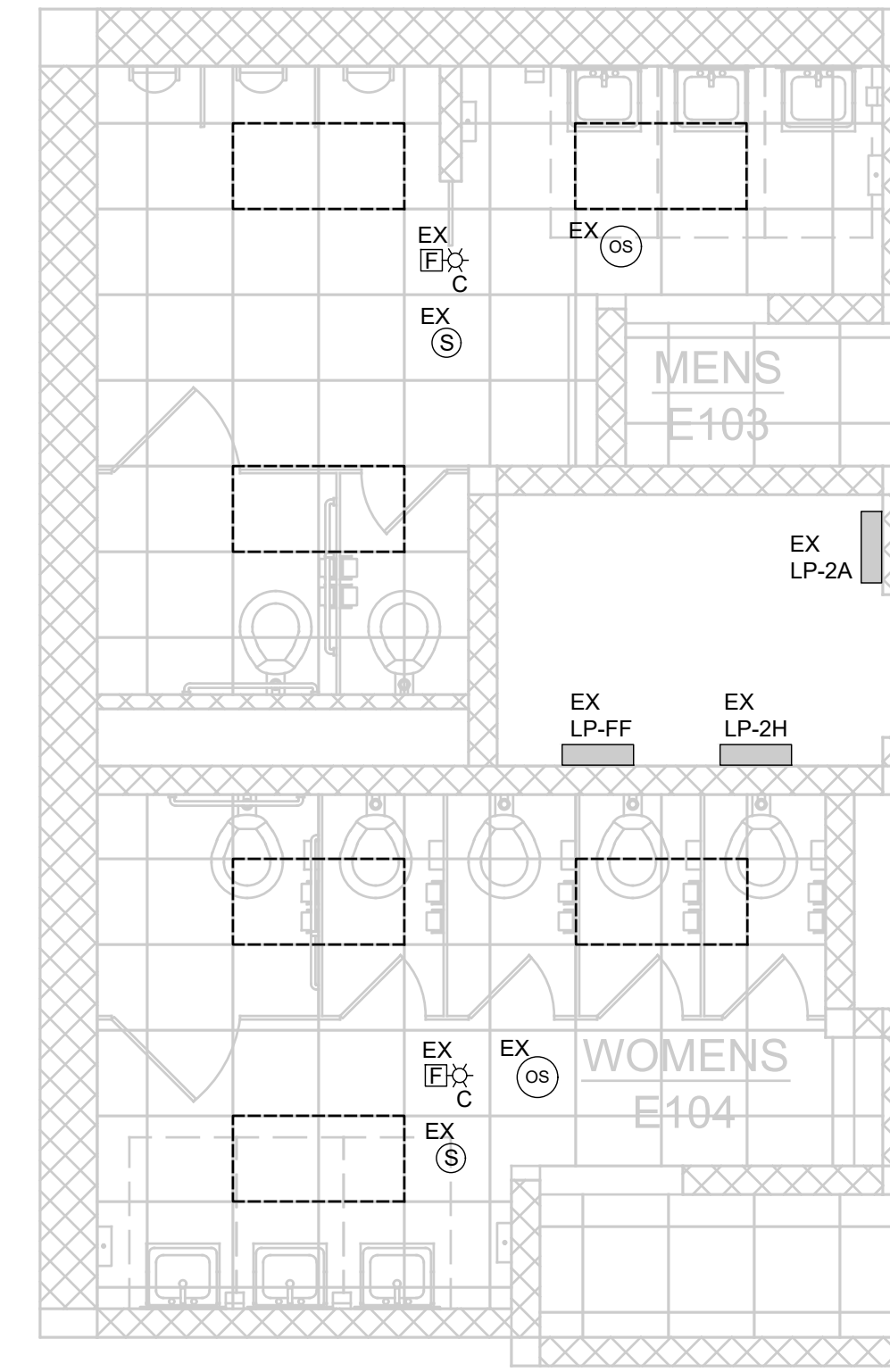
PROJECT NUMBER 2019113.3	SHEET NUMBER E1.01
PROJECT DATE 2024	
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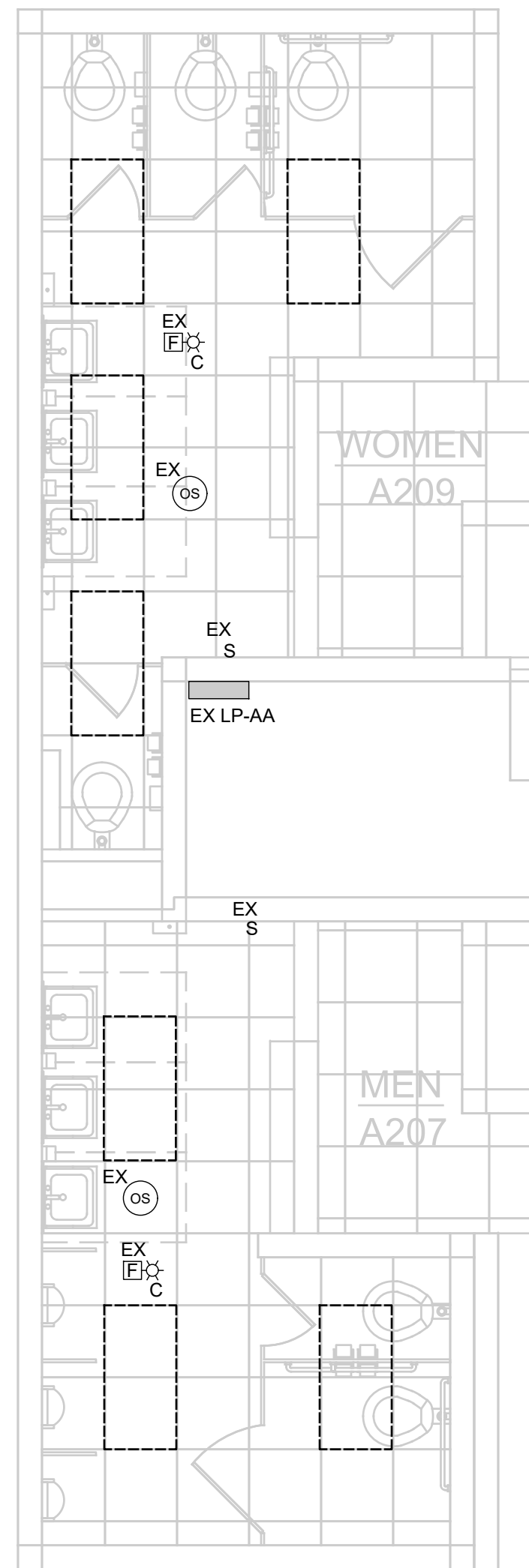
MEN F115, WOMEN F117
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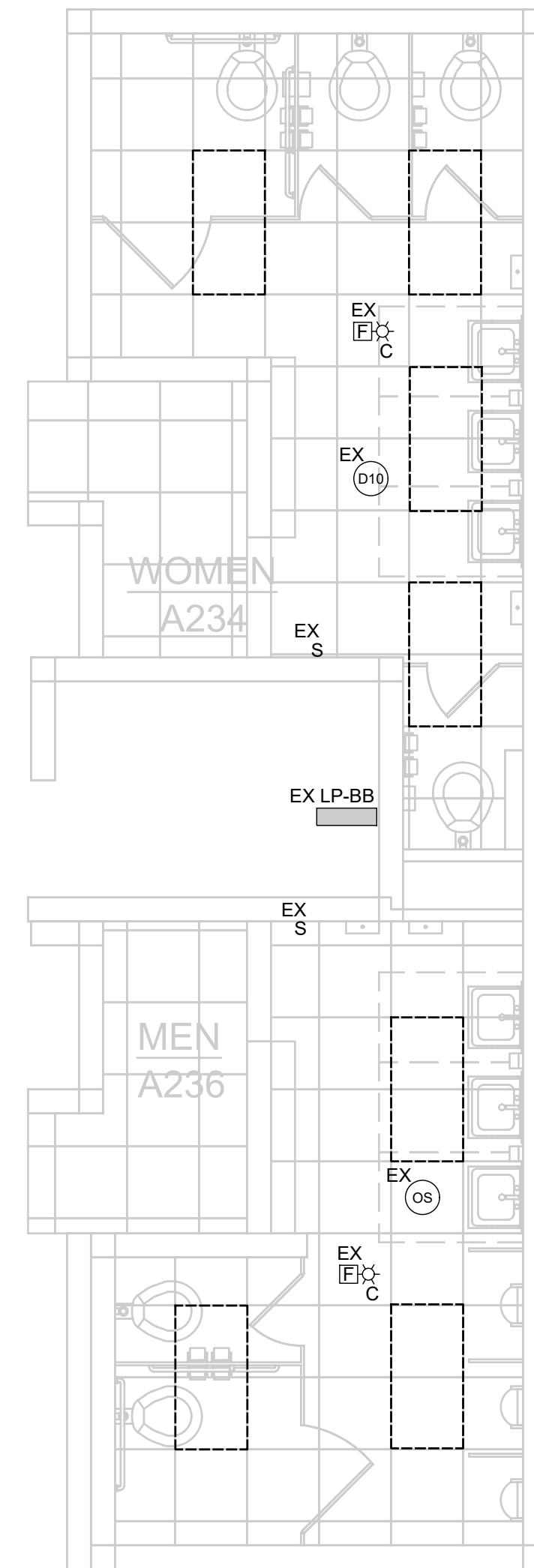
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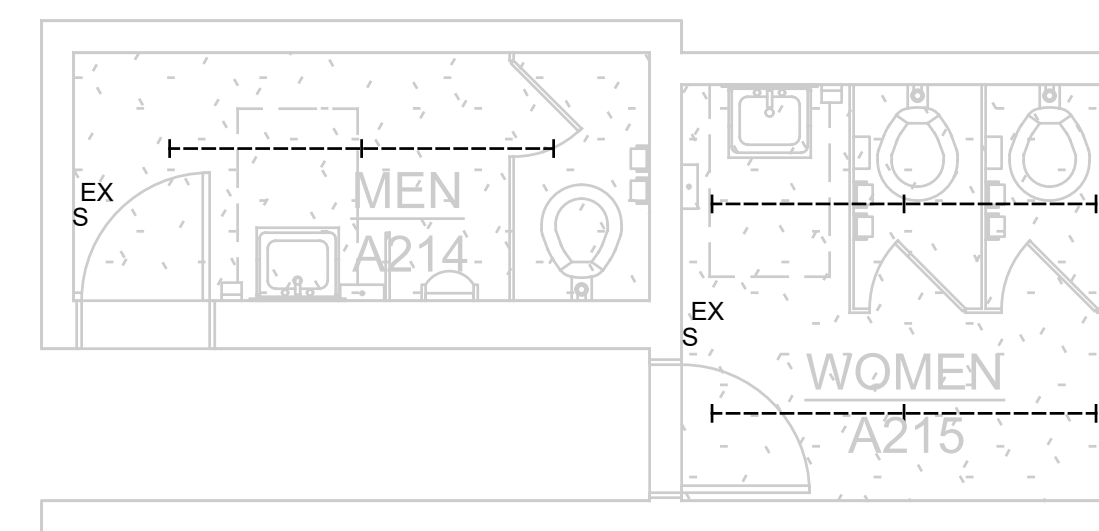
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1/4"=1'-0"



MEN A207, WOMEN A209
1/4"=1'-0"



WOMEN A234, MEN A236
1/4"=1'-0"



MEN A214, WOMEN A215
1/4"=1'-0"

GENERAL DEMOLITION NOTES

1. DEVICE LOCATIONS ARE SHOWN DIAGRAMMATICAL. FIELD CONFIRM EXACT LOCATION.
2. DASHED LINES SHOWN ON DEMOLITION SHEETS ARE ITEMS SHOWN TO BE REMOVED UNLESS NOTED OTHERWISE.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES AND ASSOCIATED ELECTRICAL EQUIPMENT AS NEEDED. DESIGN INTENT IS TO RE-USE EXISTING LOCAL LIGHTING CIRCUIT.
4. FIRE ALARM SYSTEM IS EXISTING TO REMAIN. EXISTING DEVICES SHALL BE PROTECTED, REMOVED FROM EXISTING CEILING, TEMPORARILY SUPPORTED, AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
5. OCCUPANCY SENSORS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. EXISTING DEVICES SHALL BE REMOVED FROM EXISTING CEILING AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
6. SPEAKERS ARE EXISTING TO REMAIN. EXISTING DEVICES SHALL BE REMOVED FROM THE EXISTING CEILING AND REINSTALLED IN THE NEW CEILING IN THE SAME LOCATION.
7. POWER PACKS SHALL BE EXISTING TO REMAIN.

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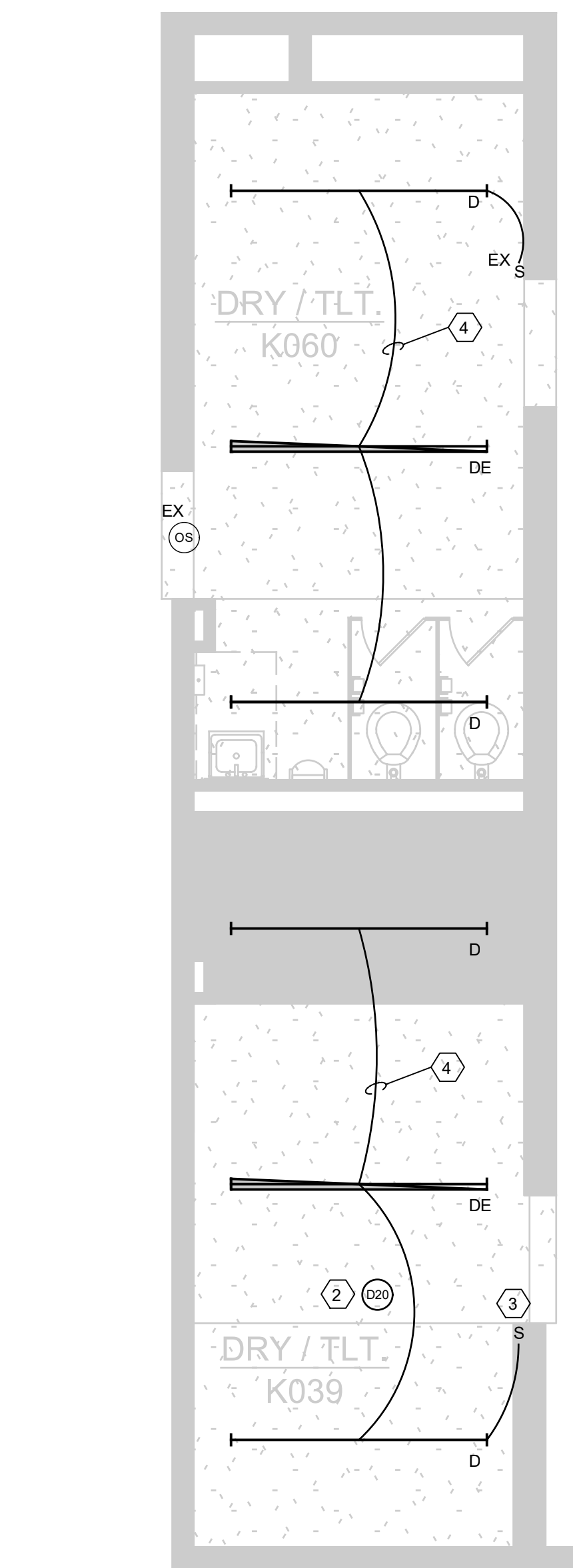
PROJECT TITLE
**TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL**

BAY CITY, MICHIGAN

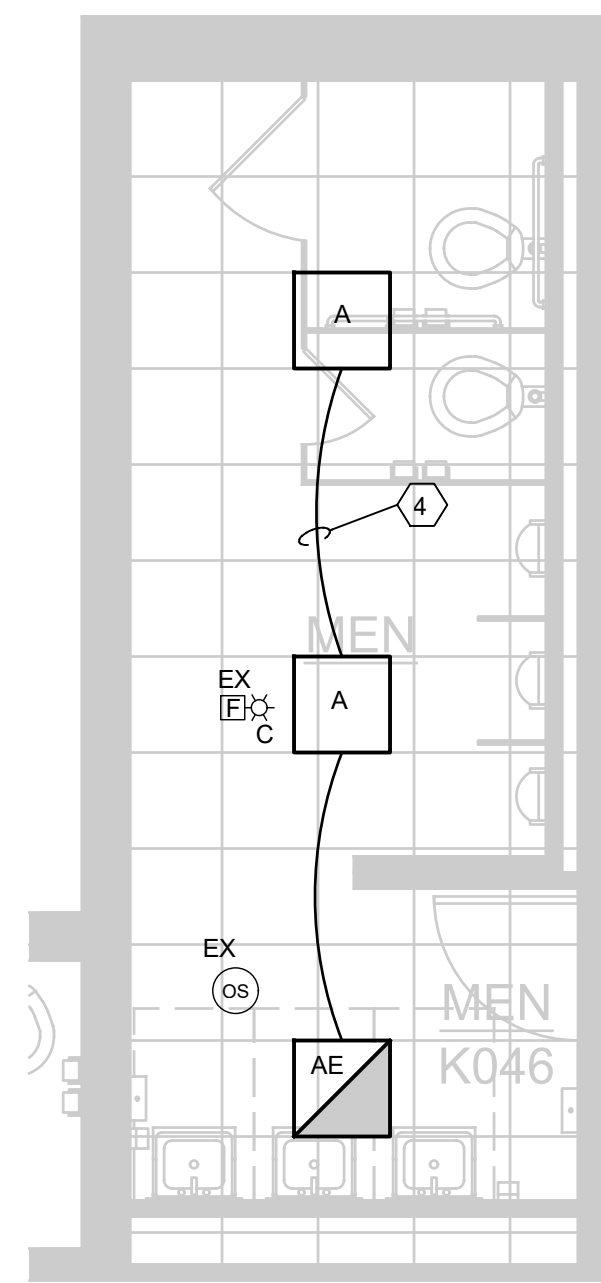
SHEET TITLE
**ENLARGED PLANS -
ELECTRICAL DEMOLITION**

PROJECT NUMBER 2019113.3	SHEET NUMBER E1.02
PROJECT DATE 2024	
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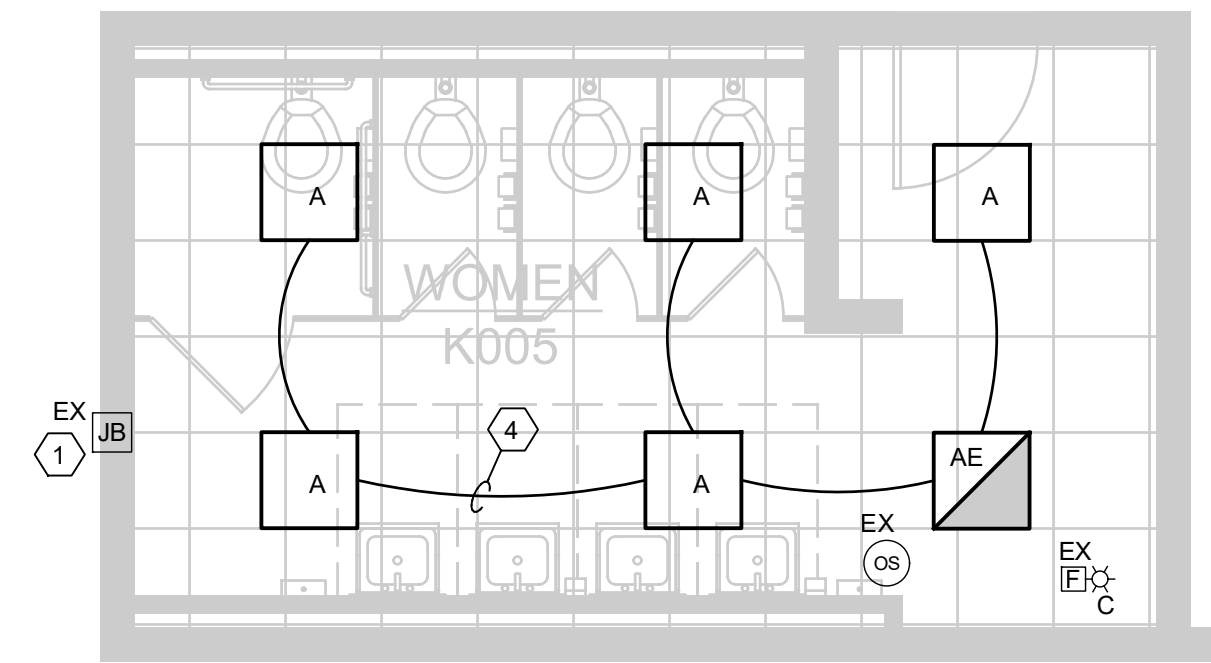
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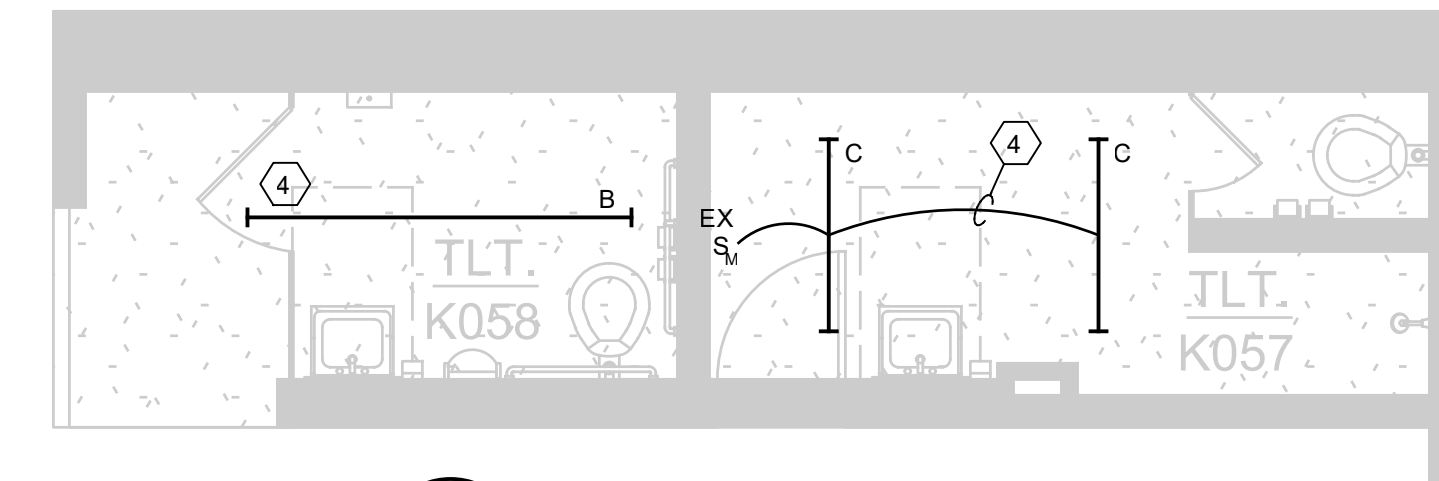
1 DRY/TLT. K060 & K039
E2.02 1/4"=1'-0"



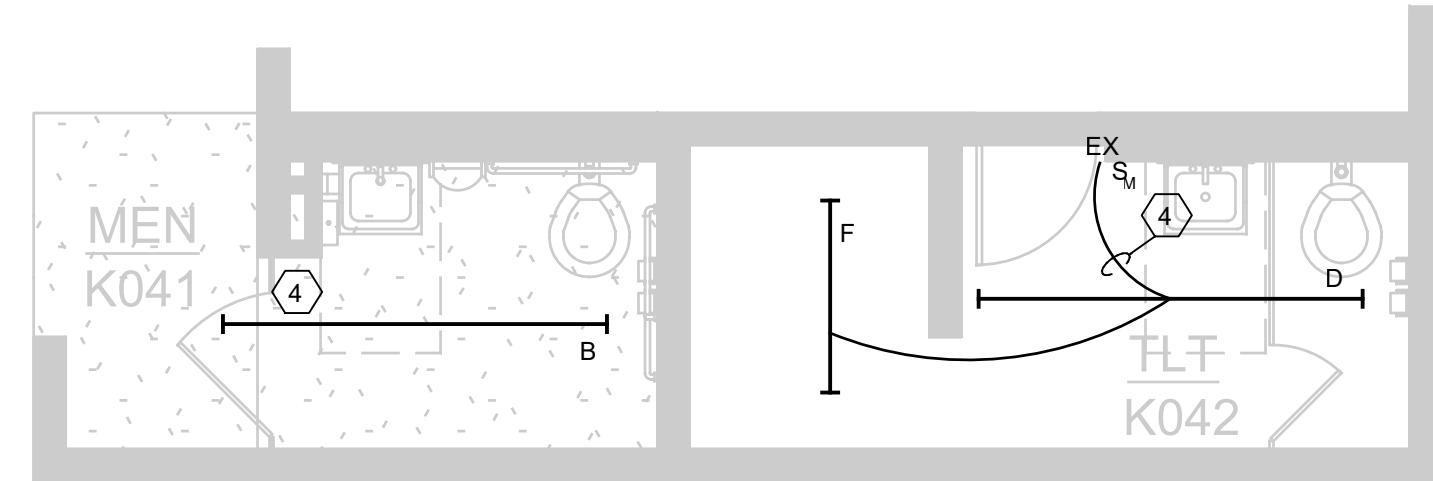
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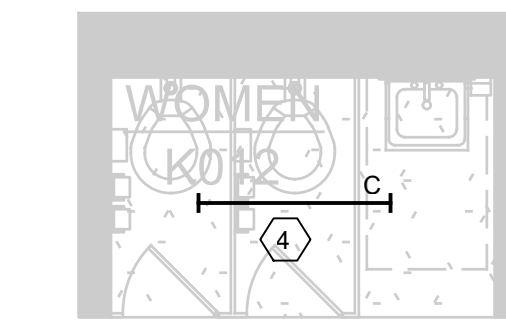
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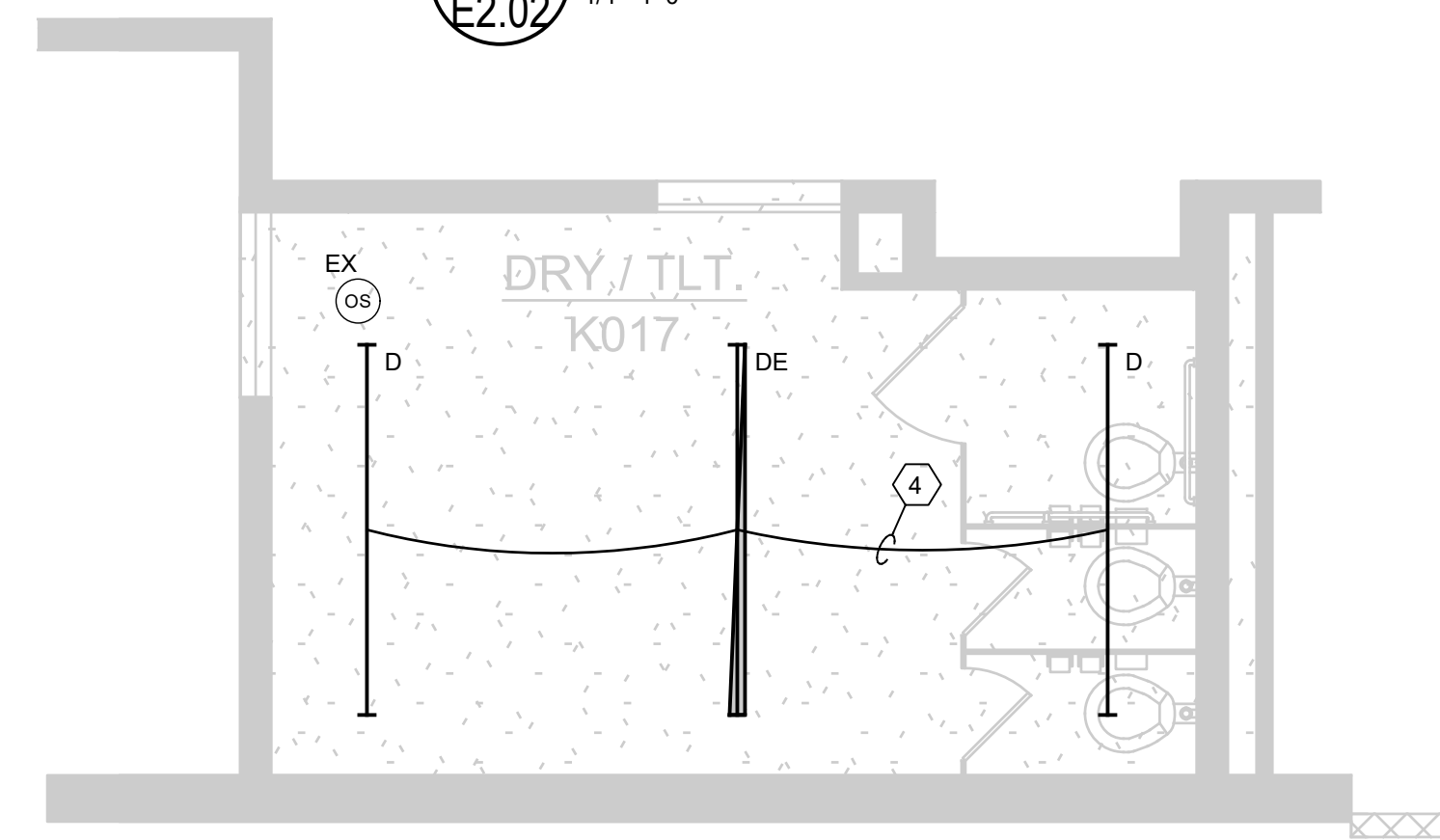
4 TLT. K057, K058
E2.02 1/4"=1'-0"



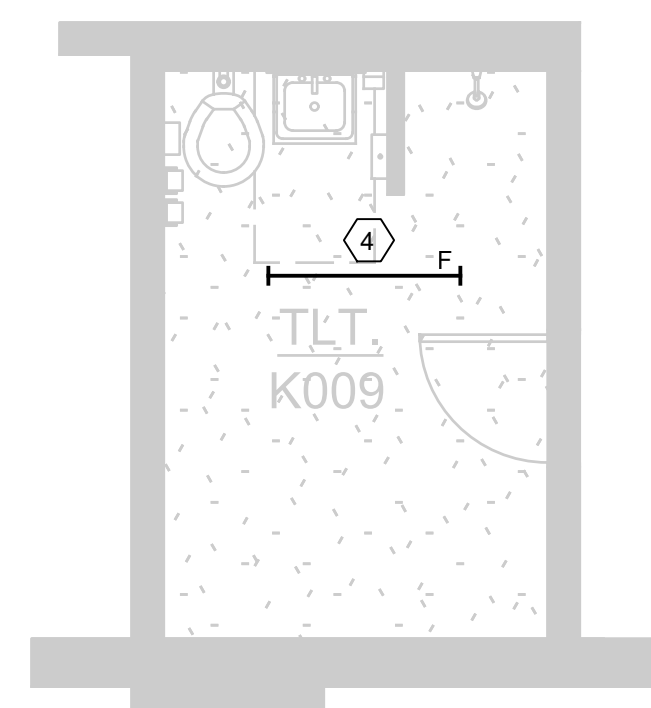
7 MEN K041, TLT. K042
E2.02 1/4"=1'-0"



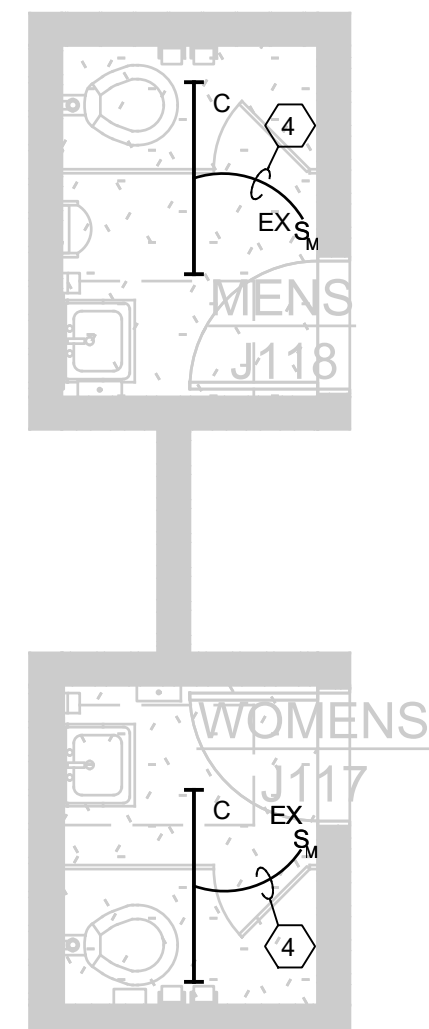
5 WOMEN K012
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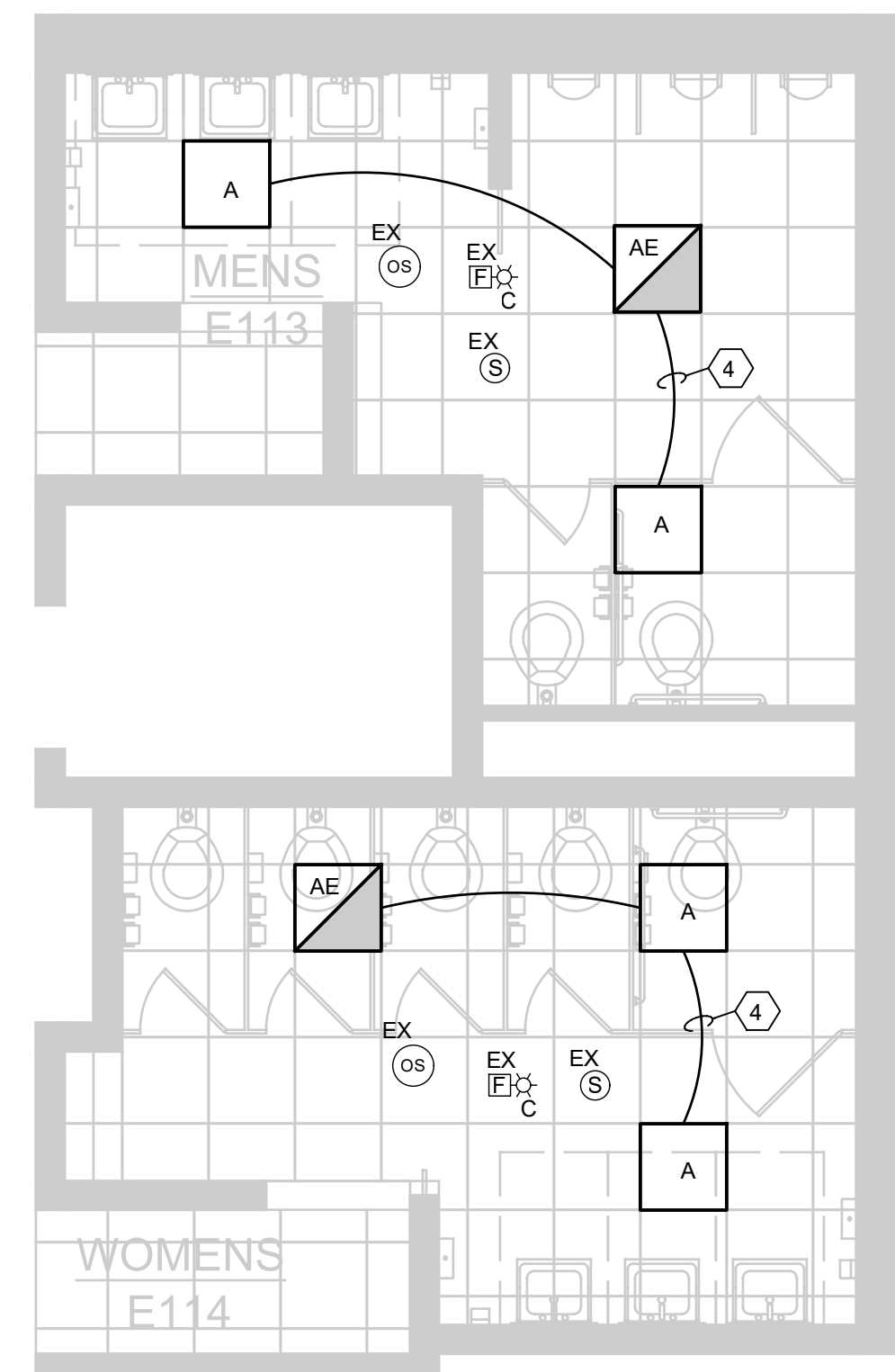
6 DRY/TLT. K017
E2.02 1/4"=1'-0"



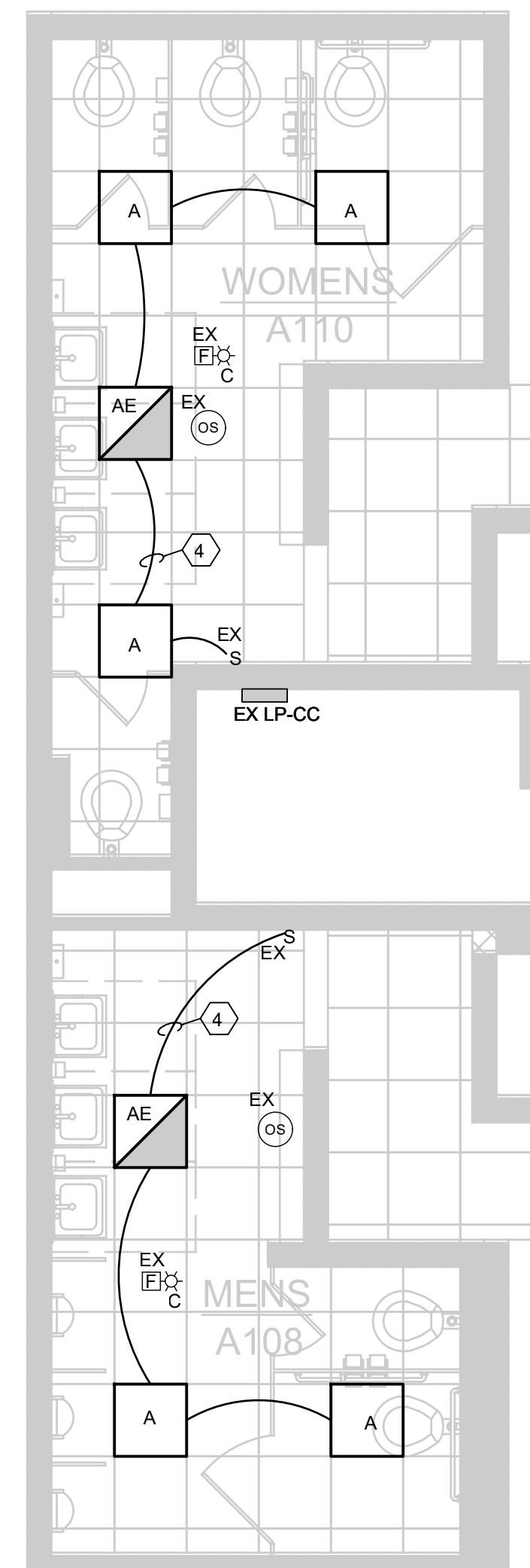
8 TLT K009
E2.02 1/4"=1'-0"



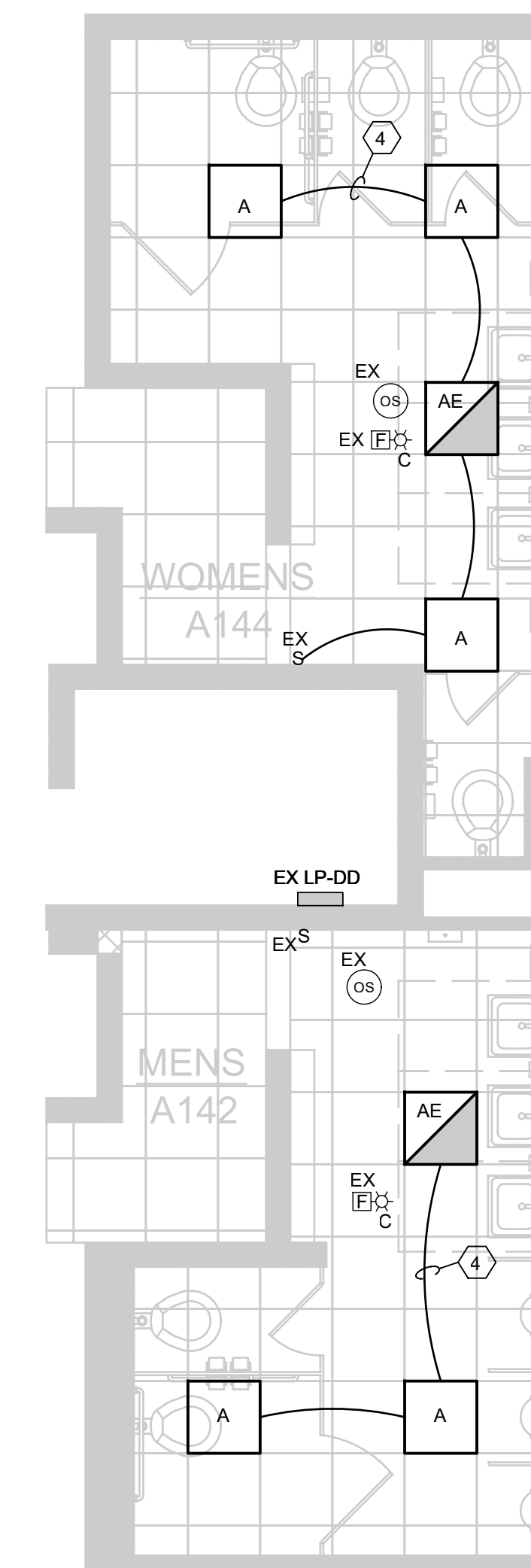
9 WOMEN J117, MEN J118
E2.02 1/4"=1'-0"



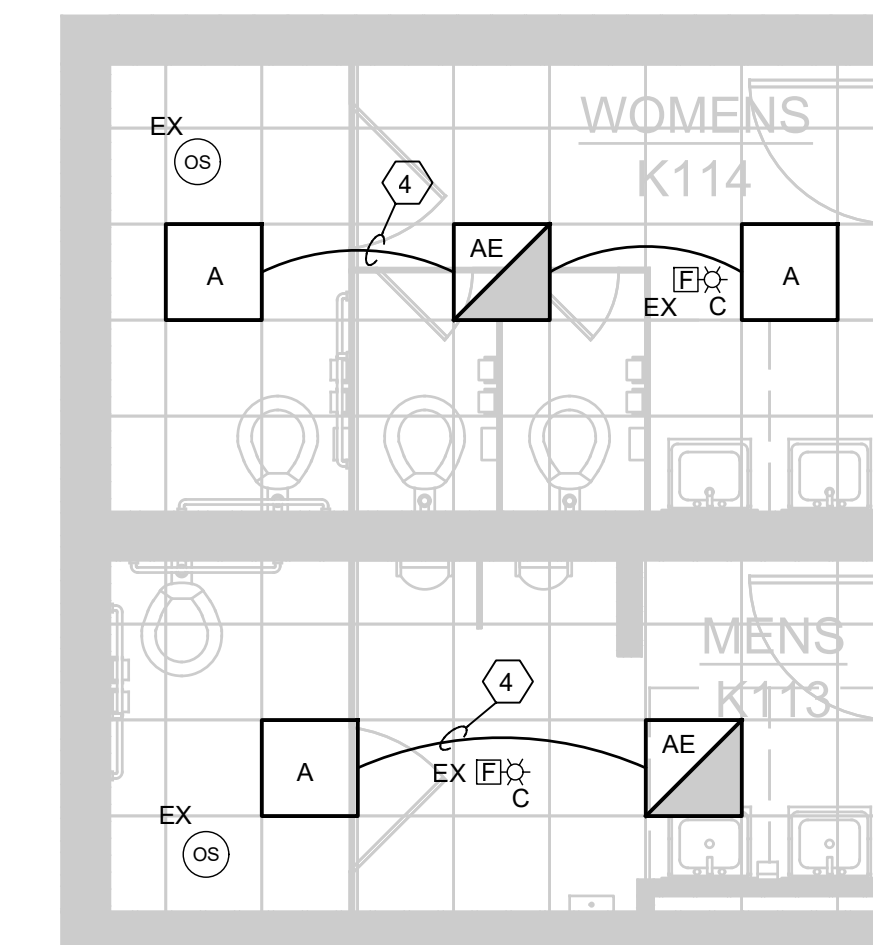
10 MEN E113, WOMEN E114
E2.02 1/4"=1'-0"



11 MEN A108, WOMEN A110
E2.02 1/4"=1'-0"



12 MEN A142, WOMEN A144
E2.02 1/4"=1'-0"



13 WOMEN K114, MEN K113
E2.02 1/4"=1'-0"

GENERAL NOTES

- EXISTING FIRE ALARM SYSTEMS SHALL BE REINSTALLED IN NEW CEILING IN THE SAME LOCATION. SYSTEM SHALL BE RE-CERTIFIED UPON COMPLETION OF CONSTRUCTION.
- EXISTING OCCUPANCY SENSORS SHALL BE REINSTALLED IN NEW CEILING IN THE SAME LOCATION.
- EXISTING SPEAKERS SHALL BE REINSTALLED IN NEW CEILING IN THE SAME LOCATION.
- EXISTING POWER PACKS ARE TO REMAIN IN SAME LOCATION. ELECTRICAL CONTRACTOR SHALL VERIFY ALL LIGHTING CONTROLS WORK AS IT DID ORIGINALLY BEFORE CONSTRUCTION.

LIGHTING WIRING METHODS

- ALL LIGHTING CIRCUITS SHALL BE INSTALLED IN CONDUIT.
- MC CABLE IS AN ACCEPTABLE WIRING METHOD ONLY FOR FISHING EXISTING WALL CAVITIES.
- CEILING OCCUPANCY SENSORS SHALL BE WIRED AHEAD OF THE LOCAL SWITCHING. THIS ALLOWS THE LOCAL SWITCHES TO OVERRIDE THE SENSOR TO TURN OFF THE LIGHTS.

KEYED NOTES

- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW COVER FOR EXISTING JUNCTION BOX.
- ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING OCCUPANCY SENSOR 1 FOR 1. REUSE EXISTING LOW VOLTAGE WIRING.
- ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING SINGLE POLE SWITCH 1 FOR 1. REUSE EXISTING CIRCUIT.
- ELECTRICAL CONTRACTOR SHALL REUSE EXISTING LIGHTING CIRCUIT FOR NEW BATHROOM LIGHT FIXTURES.

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	100% ISSUED FOR BID	10/28/24
	50% REVIEW	10/03/24

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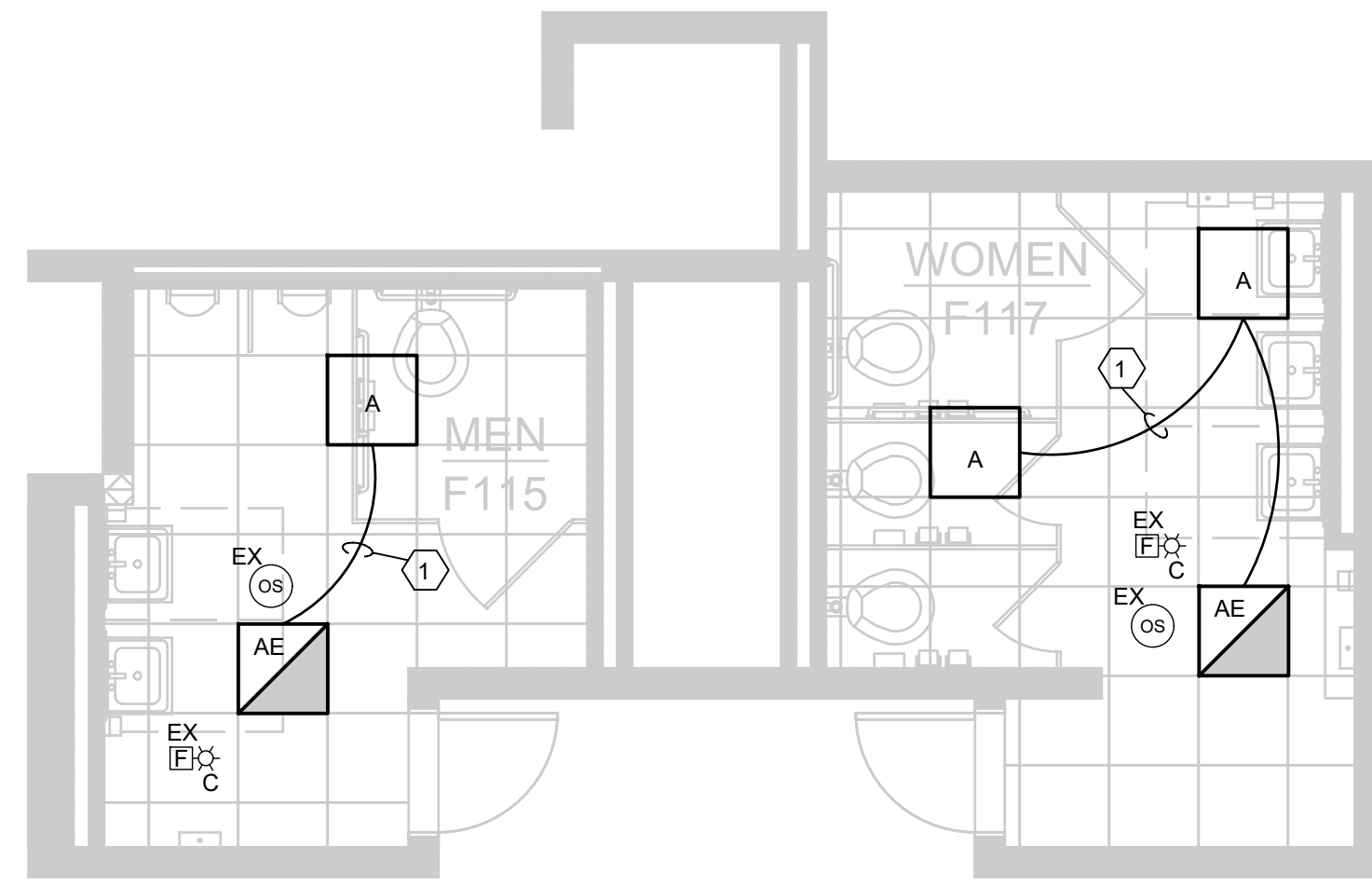
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PROJECT TITLE
 TOILET ROOM RENOVATIONS FOR:
 WESTERN HIGH SCHOOL

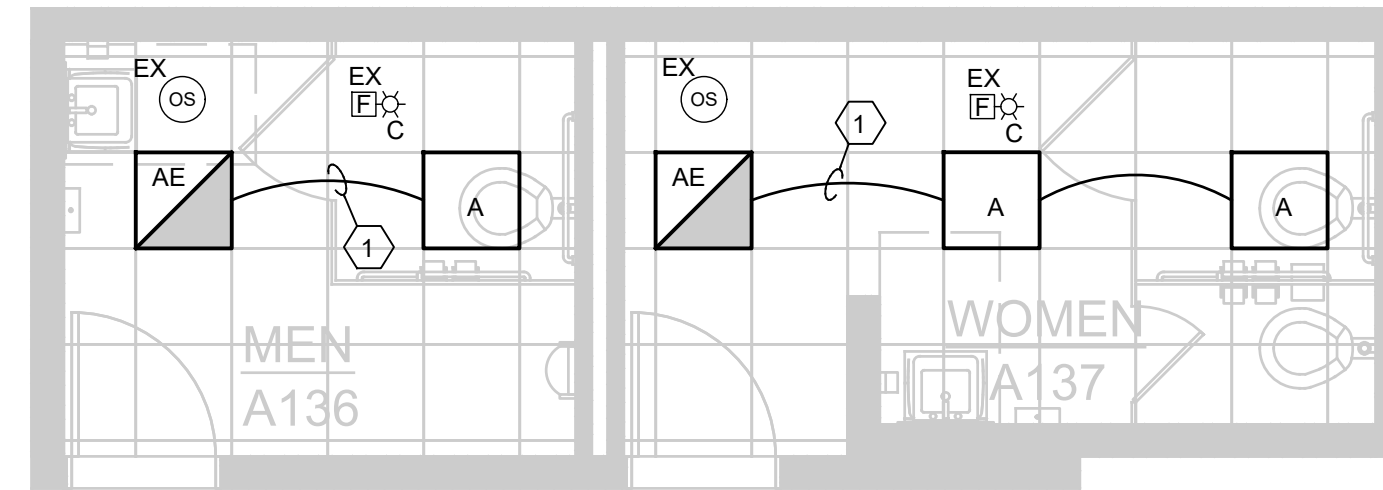
BAY CITY, MICHIGAN

SHEET TITLE
 ENLARGED PLANS -
 ELECTRICAL REVISED

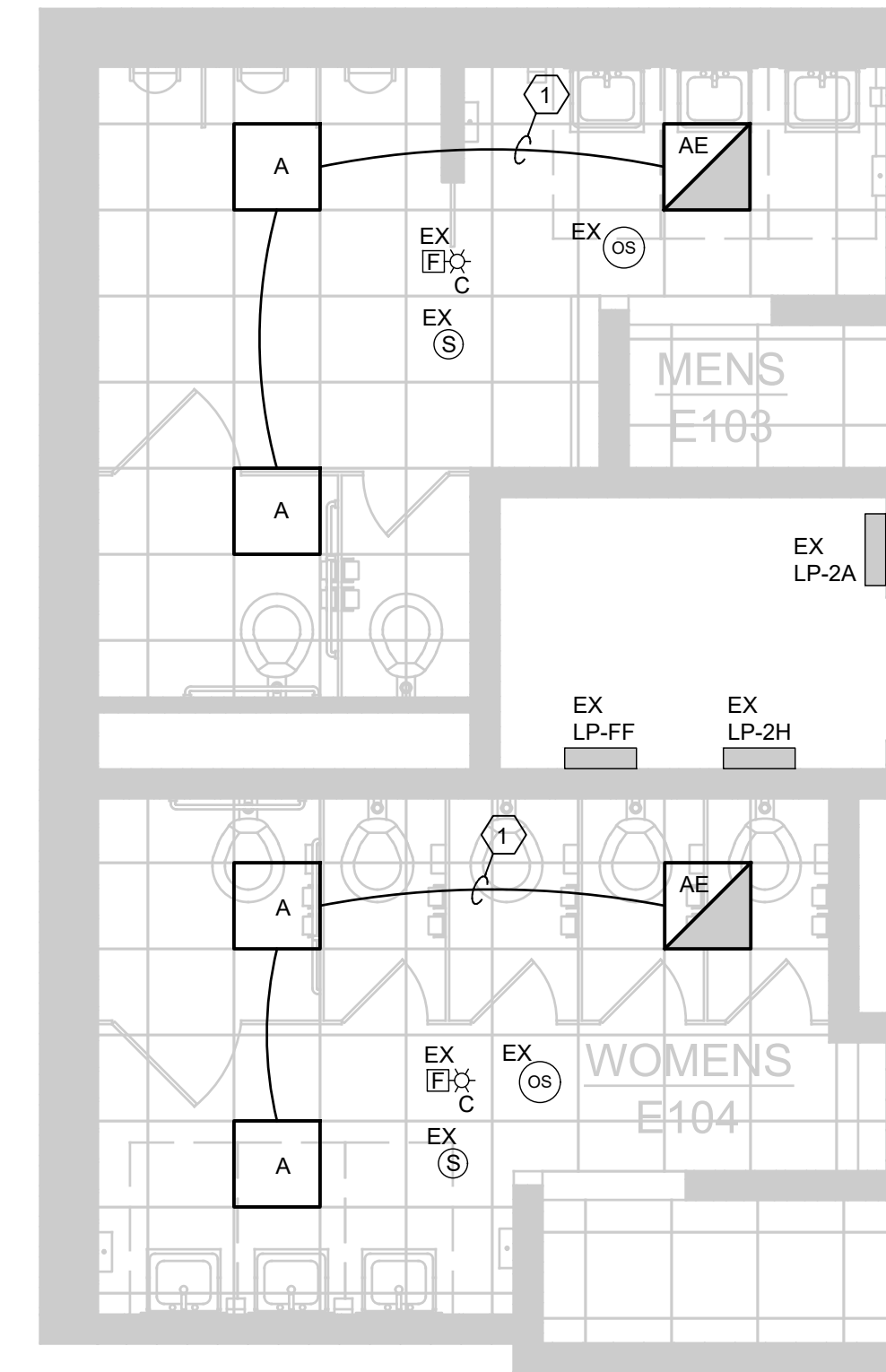
PROJECT NUMBER 2019113.3	SHEET NUMBER E2.02
PROJECT DATE 2024	
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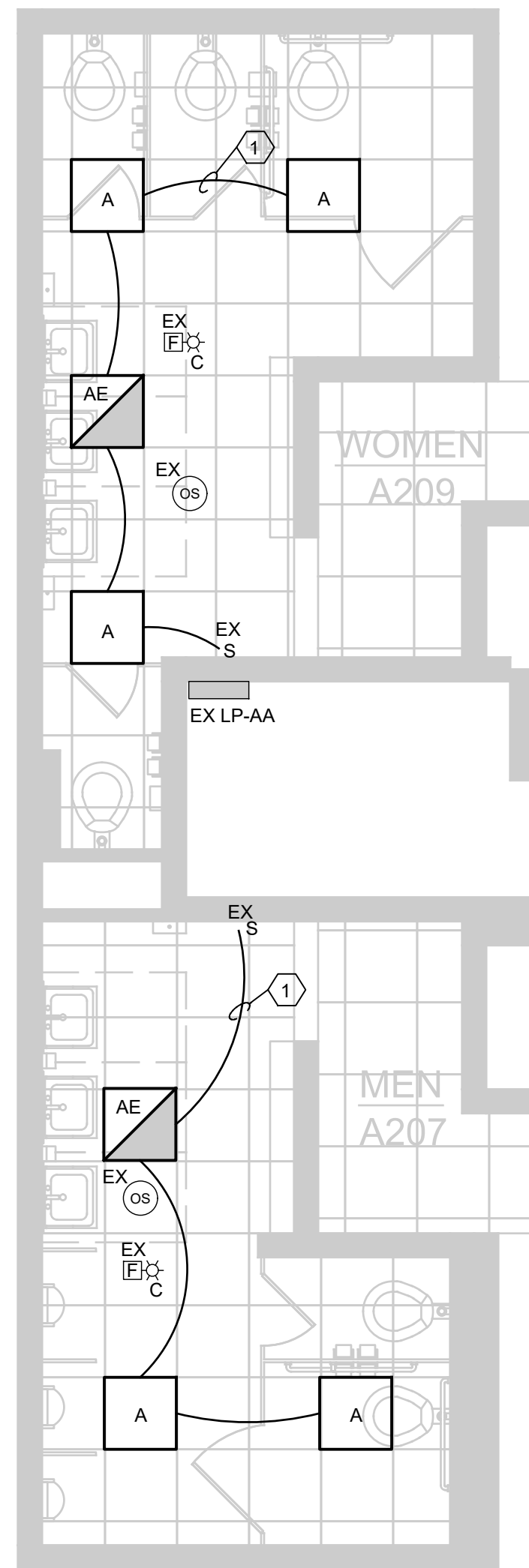
1 MEN F115, WOMEN F117
E2.03 1/4"=1'-0"



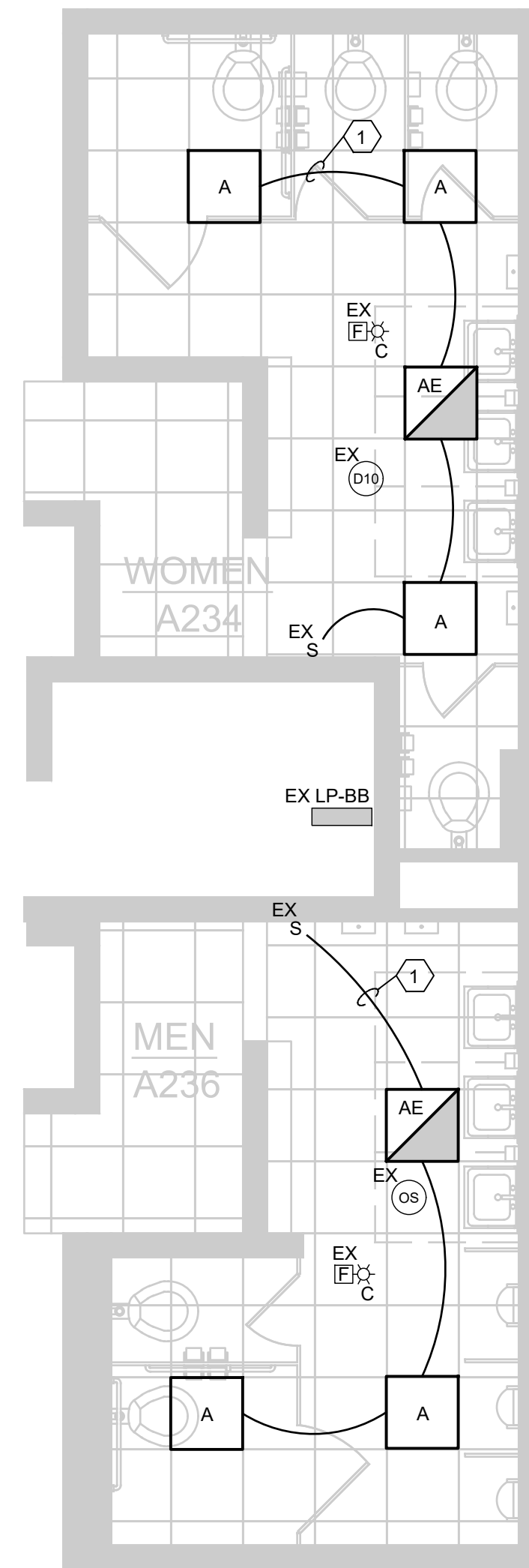
2 MEN A136, WOMEN A137
E2.03 1/4"=1'-0"



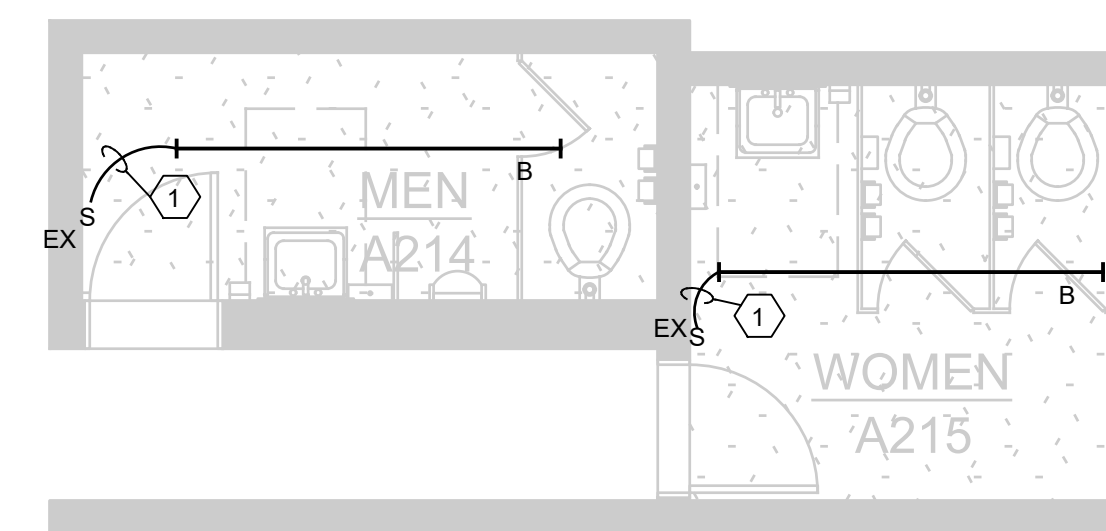
3 MEN E103, WOMEN E104
E2.03 1/4"=1'-0"



4 MEN A207, WOMEN A209
E2.03 1/4"=1'-0"



5 WOMEN A234, MEN A236
E2.03 1/4"=1'-0"



6 MEN A214, WOMEN A215
E2.03 1/4"=1'-0"

GENERAL NOTES

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KEYED NOTES

- ELECTRICAL CONTRACTOR SHALL REUSE EXISTING LIGHTING CIRCUIT FOR NEW BATHROOM LIGHT FIXTURES.

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TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL

BAY CITY, MICHIGAN

SHEET TITLE
ENLARGED PLANS -
ELECTRICAL REVISED

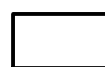

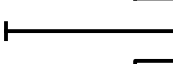











PROJECT NUMBER 2019113.3	SHEET NUMBER E2.03
PROJECT DATE 2024	
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LOAD SUMMARY (277V LIGHTING)	
LOAD DESCRIPTION	LOAD (KVA)
LIGHTING LOAD REMOVED	5.728 KVA
LIGHTING LOAD ADDED	2.886 KVA
NET CHANGES	-2.842 KVA, 10.26 A

LIGHTING FIXTURE SCHEDULE

- A LED 2'X2' FLAT PANEL, SWITCHABLE LUMENS (MID 3200LM), 80 CRI, SWITCHABLE COLOR TEMP, SATIN WHITE DIFFUSER, MVOLT, COMPATIBLE WITH EXISTING AUTO ON/OFF LIGHTING CONTROLS, 34WATTS
LITHONIA #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT OR EQUAL.
- AE SAME AS FIXTURE A EXCEPT WITH A 10WATT EMERGENCY BATTERY
LITHONIA #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT E10WLCP OR EQUAL.
- B CLX LED LINEAR, 8', 6000 LUMENS, STANDARD EFFICIENCY, LESS LOUVER, FLAT DIFFUSE LENS, GENERAL DISTRIBUTION, MVOLT, 40K, 80CRI, COMPATIBLE WITH EXISTING AUTO ON/OFF LIGHTING CONTROLS, WHITE FINISH, SURFACE MOUNTED, 37WATTS
LITHONIA #CLX L96 6000LM SEF FDL MVOLT G21 40K 80CRI WH OR EQUAL.
- C CLX LED LINEAR, 4', 3000 LUMENS, STANDARD EFFICIENCY, LESS LOUVER, FLAT DIFFUSE LENS, GENERAL DISTRIBUTION, MVOLT, 40K, 80CRI, COMPATIBLE WITH EXISTING AUTO ON/OFF LIGHTING CONTROLS, WHITE FINISH, SURFACE MOUNTED, 18.5WATTS
LITHONIA #CLX L48 3000LM SEF FDL MVOLT G21 40K 80CRI WH OR EQUAL.
- D VAPOR TIGHT LED STRIP LIGHT, 8', 6000 LUMENS, MVOLT, SWITCHABLE WHITE, 80CRI, 49 WATTS, SURFACE MOUNTED
LITHONIA #CSVT L96 6000LM MVOLT SWW3 80CRI OR EQUAL.
- DE SAME AS FIXTURE D EXCEPT WITH A 7WATT EMERGENCY BATTERY
LITHONIA #CSVT L96 6000LM MVOLT SWW3 80CRI IE7WCP OR EQUAL.
- F VAPOR TIGHT LED STRIP LIGHT, 4', 3000 LUMENS, MVOLT, SWITCHABLE WHITE, 80 CRI, 24 WATTS, SURFACE MOUNTED
LITHONIA #CSVT L48 3000LM MVOLT SWW3 80CRI OR EQUAL.

ELECTRICAL SYMBOLS LIST

-  2X4 LIGHT FIXTURE, TYPE INDICATED
-  2X2 LIGHT FIXTURE, TYPE INDICATED
-  STRIP LIGHT, TYPE INDICATED
-  HALF SHADED FIXTURES ARE EMERGENCY FIXTURES
-  SINGLE POLE SWITCH
-  WALL MOTION SWITCH SENSOR
-  OCCUPANCY SENSOR
-  DUAL TECH, CEILING MOUNTED, LARGE-MOTION DETECTION, 2000 SQFT RADIAL COVERAGE SENSOR
ACUITY #NCM PDT 10 SERIES OR EQUAL
-  JUNCTION BOX
-  PANELBOARD
-  SWITCHBOARD
-  TRANSFORMER
-  CEILING MOUNTED FIRE ALARM STROBE ONLY
-  SPEAKER
- MDP MAIN DISTRIBUTION PANEL
- PP POWER PANEL
- LP LIGHTING PANEL
- RP RECEPTACLE PANEL
- EX EXISTING

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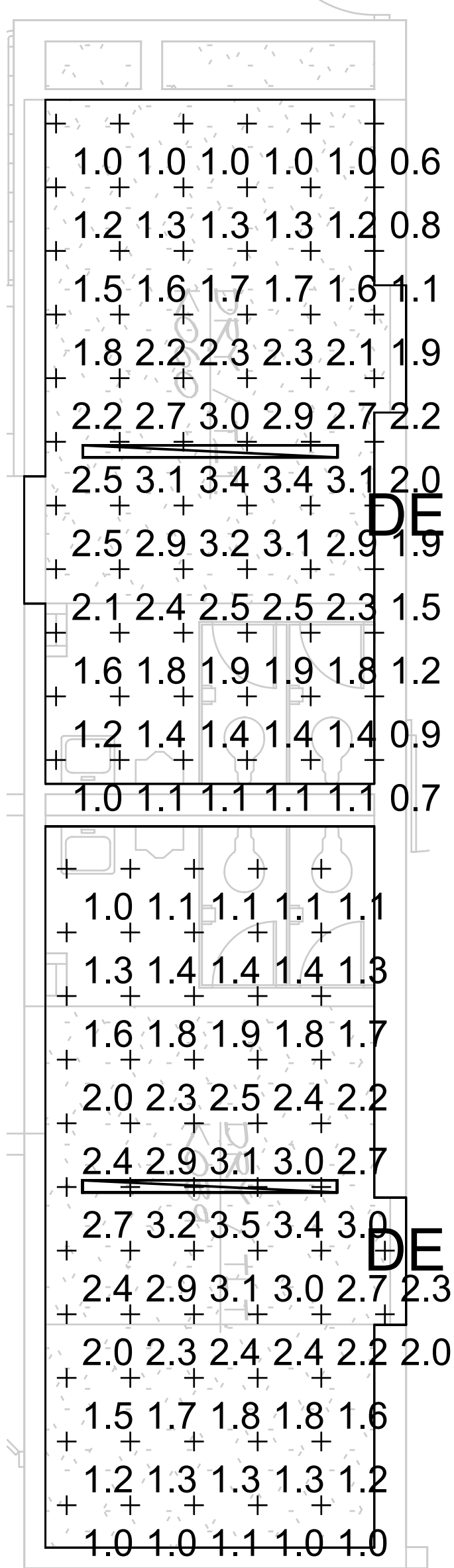
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PROJECT TITLE
TOILET ROOM RENOVATIONS FOR:
WESTERN HIGH SCHOOL

BAY CITY, MICHIGAN

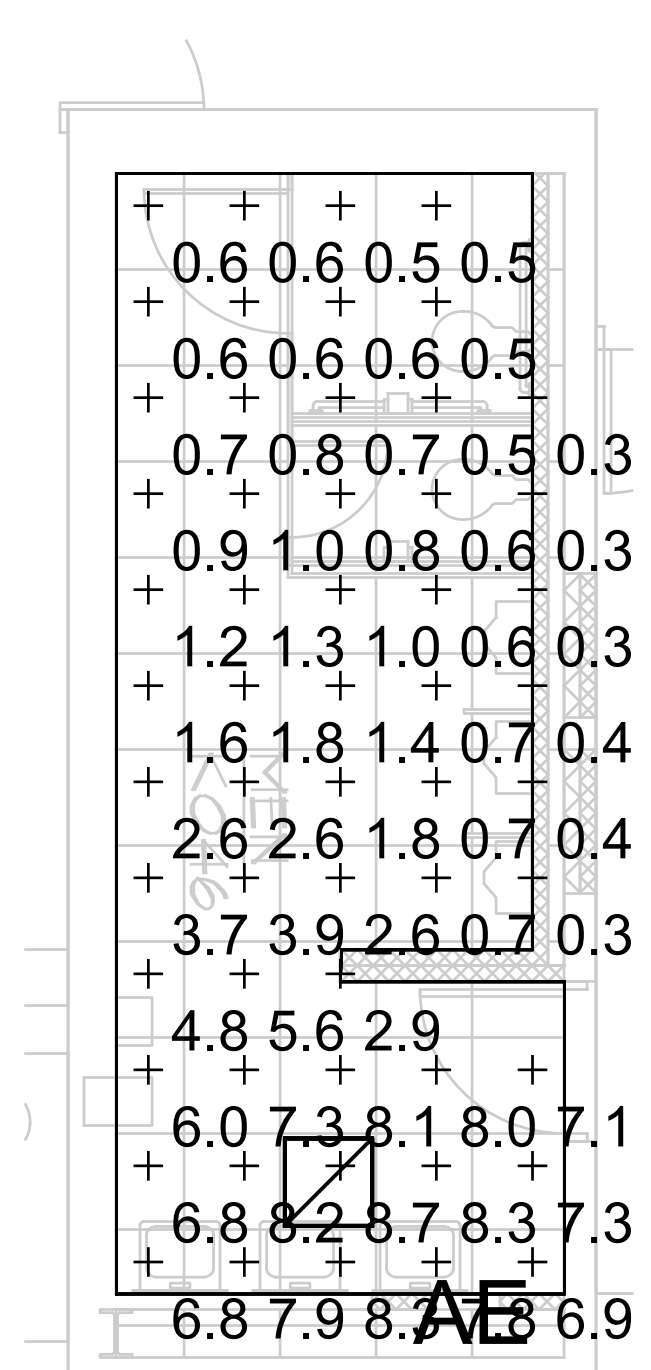
SHEET TITLE
NOTES AND SCHEDULES

PROJECT NUMBER 2019113.3	SHEET NUMBER E3.01
PROJECT DATE 2024	
CHECKED BY JWF	

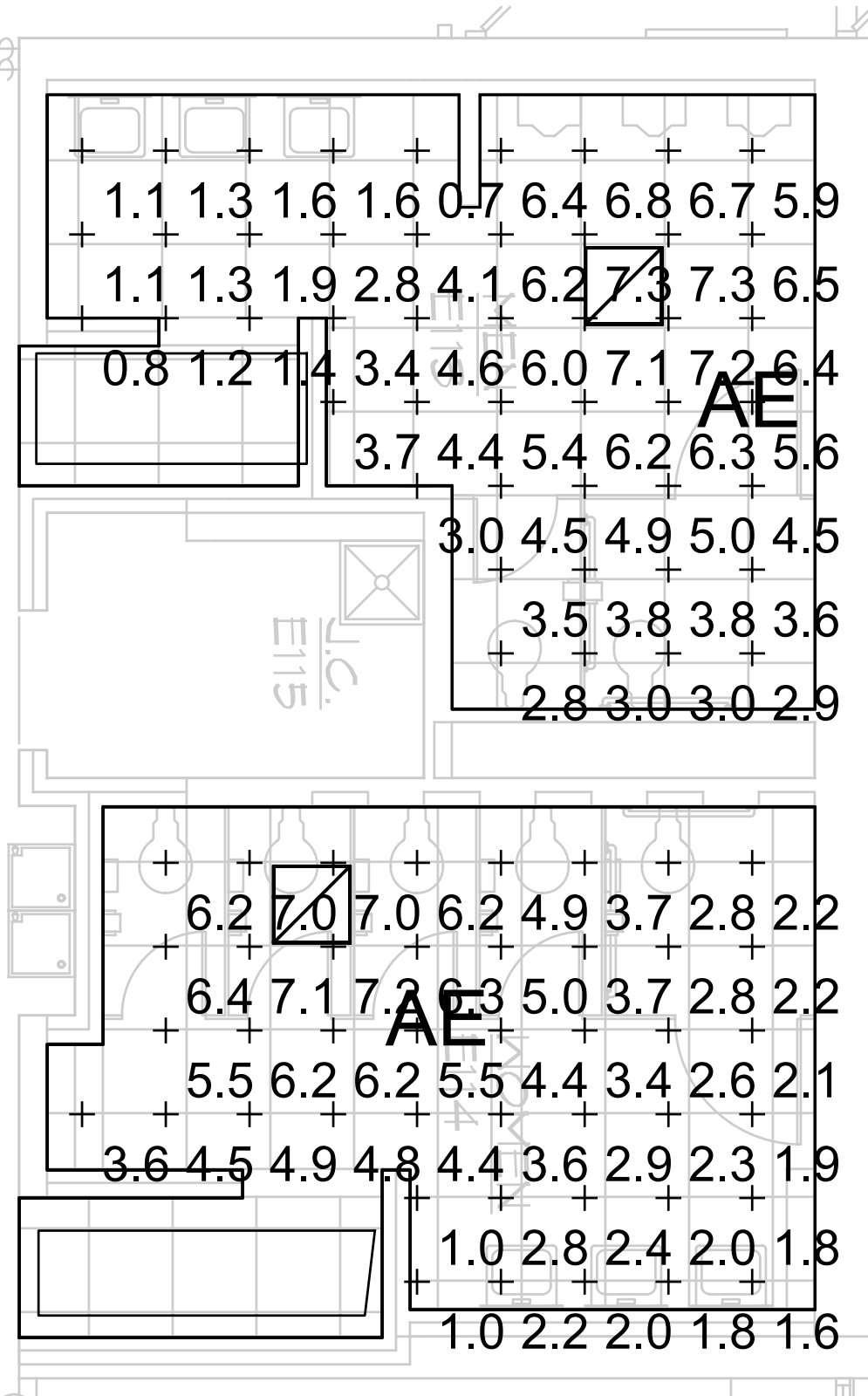


DRY/TLT. K060 & K039
 1/4"=1'-0"

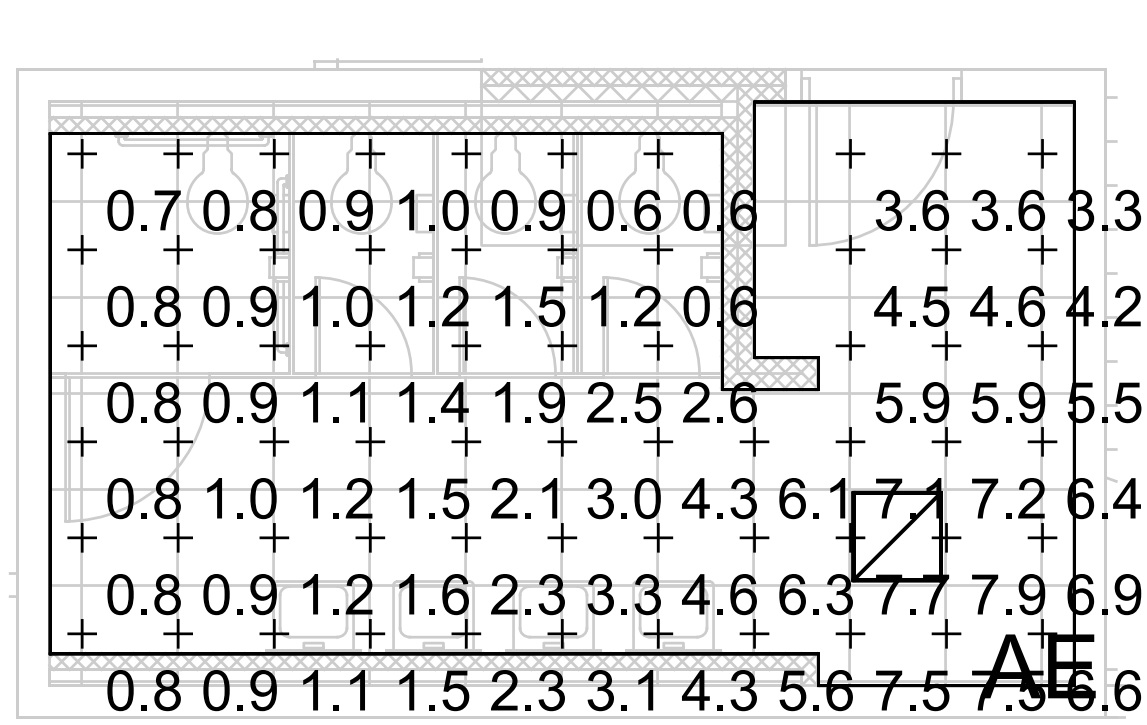
WOMEN J117, MEN J118
 1/4"=1'-0"



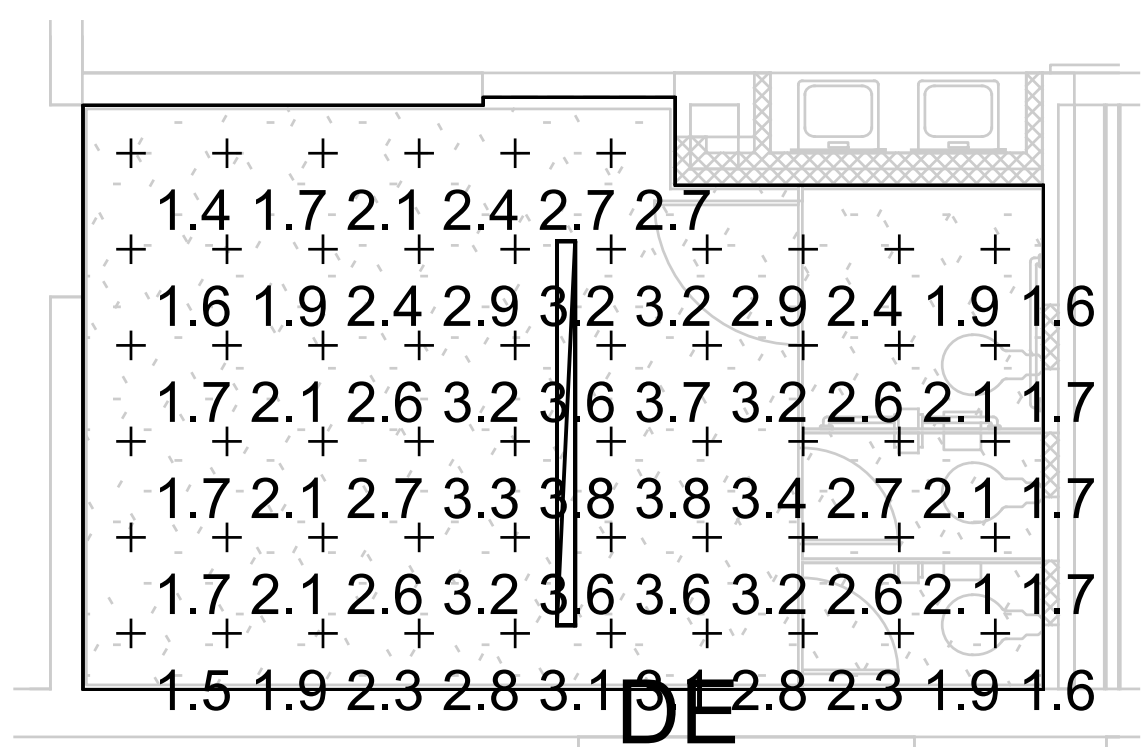
MEN K046
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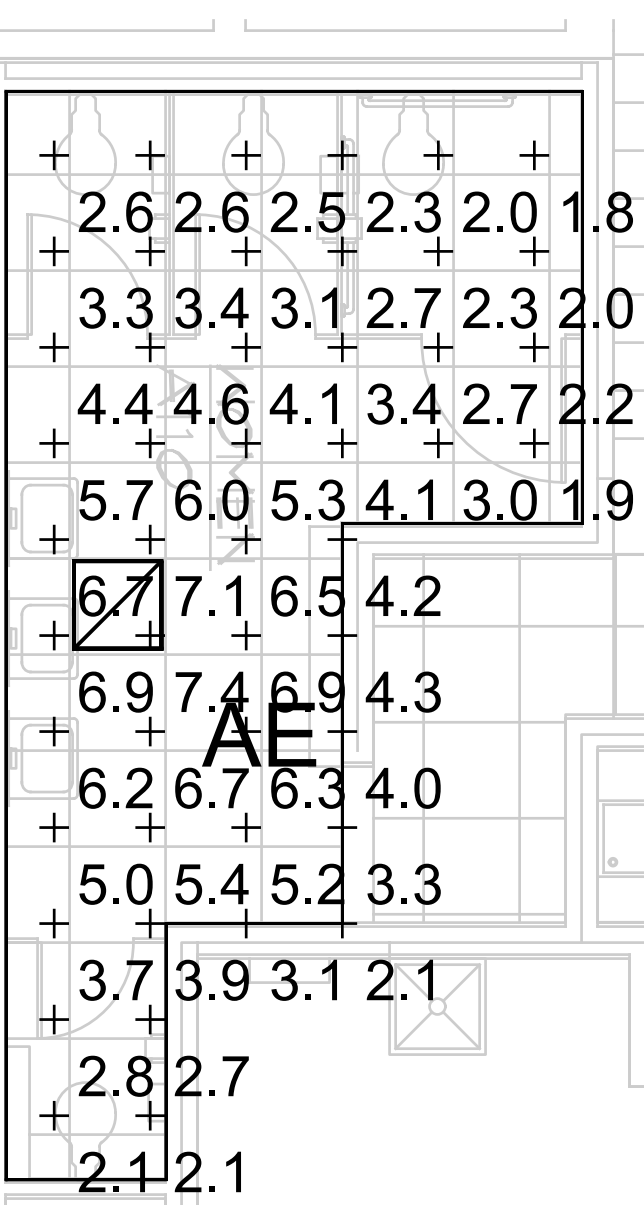
MEN E113, WOMEN E114
 1/4"=1'-0"



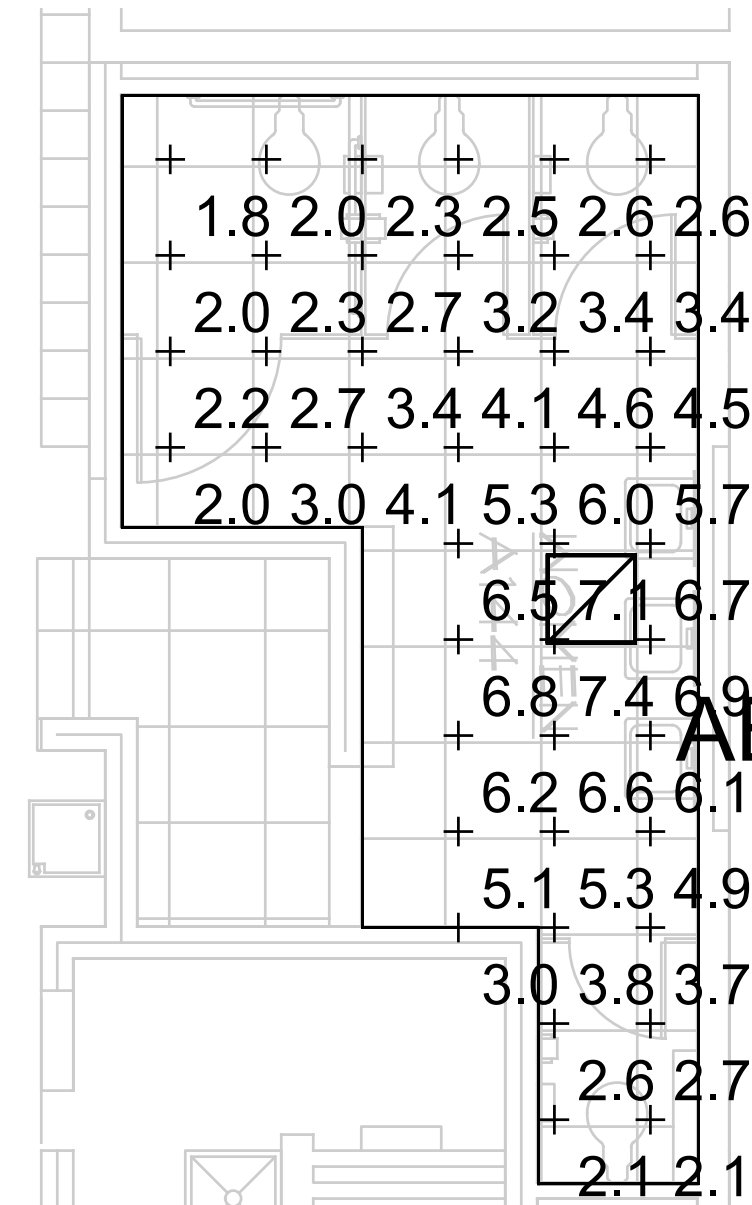
WOMEN K005
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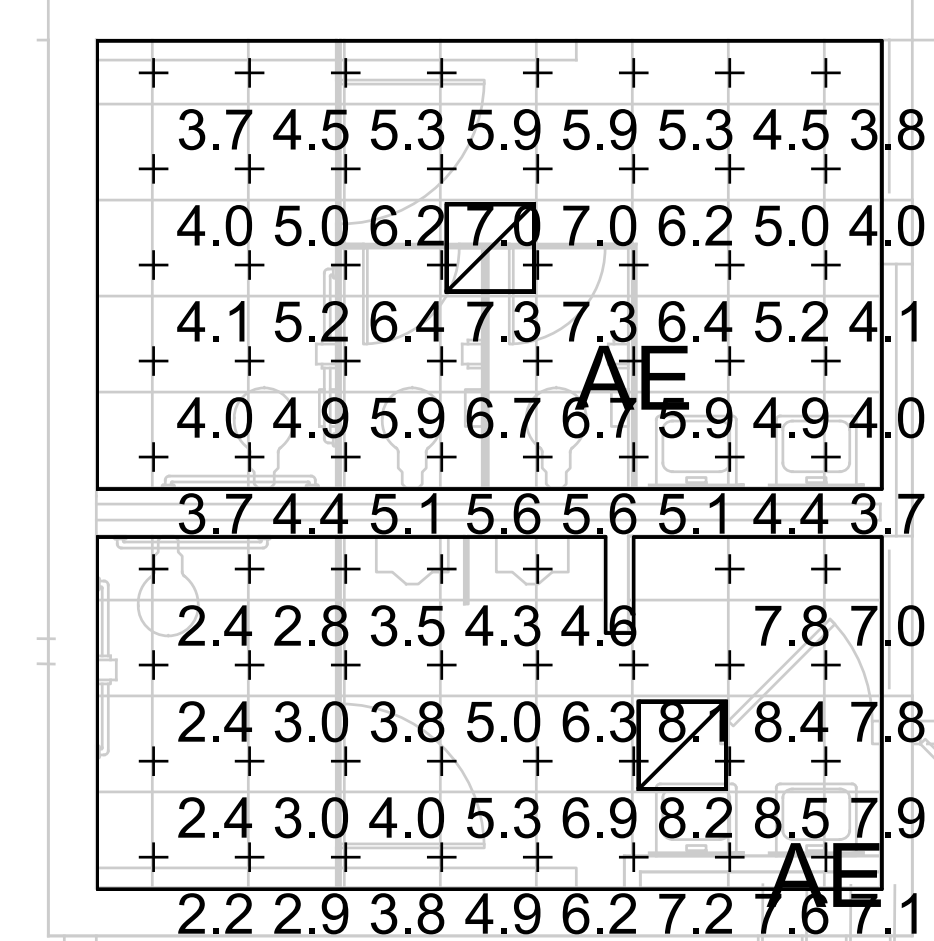
DRY/TLT. K017
 1/4"=1'-0"



MEN A108, WOMEN A110
 1/4"=1'-0"



MEN A142, WOMEN A144
 1/4"=1'-0"



WOMEN K114, MEN K113
 1/4"=1'-0"

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DRY/TLT. K039	+	2.0 fc	3.5 fc	1.0 fc	3.5:1	2.0:1
DRY/TLT. K060	+	1.8 fc	3.4 fc	0.6 fc	5.7:1	3.0:1
MEN A108	+	4.5 fc	8.1 fc	0.9 fc	9.0:1	5.0:1
MEN A142	+	4.4 fc	8.3 fc	0.8 fc	10.4:1	5.5:1
MEN E113	+	4.1 fc	7.3 fc	0.7 fc	10.4:1	5.9:1
Men K046	+	3.0 fc	8.7 fc	0.3 fc	29.0:1	10.0:1
MEN K113	+	5.3 fc	8.5 fc	2.2 fc	3.9:1	2.4:1
WOMEN A110	+	4.0 fc	7.4 fc	1.8 fc	4.1:1	2.2:1
WOMEN A144	+	4.0 fc	7.4 fc	1.8 fc	4.1:1	2.2:1
WOMEN E114	+	3.9 fc	7.2 fc	1.0 fc	7.2:1	3.9:1
WOMEN K005	+	3.0 fc	7.9 fc	0.6 fc	13.2:1	5.0:1
WOMEN K114	+	5.2 fc	7.3 fc	3.7 fc	2.0:1	1.4:1
DRY/TLT. K017	+	2.5 fc	3.8 fc	1.4 fc	2.7:1	1.8:1

Schedule								
Symbol	Label	QTY	Manufacturer	Catalog	Number Lamps	Lamp Output	LLF	Input Power
+	AE	10	Lithonia Lighting	OPX 2X2 ALO7 (Mid) SWWT (80K) SWL MVOLT	1	3432	0.95	27.66
	DE	3	Lithonia Lighting	CSVT L96 600LM MVOLT 4000K 80CRI	1	6213	0.95	48.5179

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BAY CITY, MICHIGAN

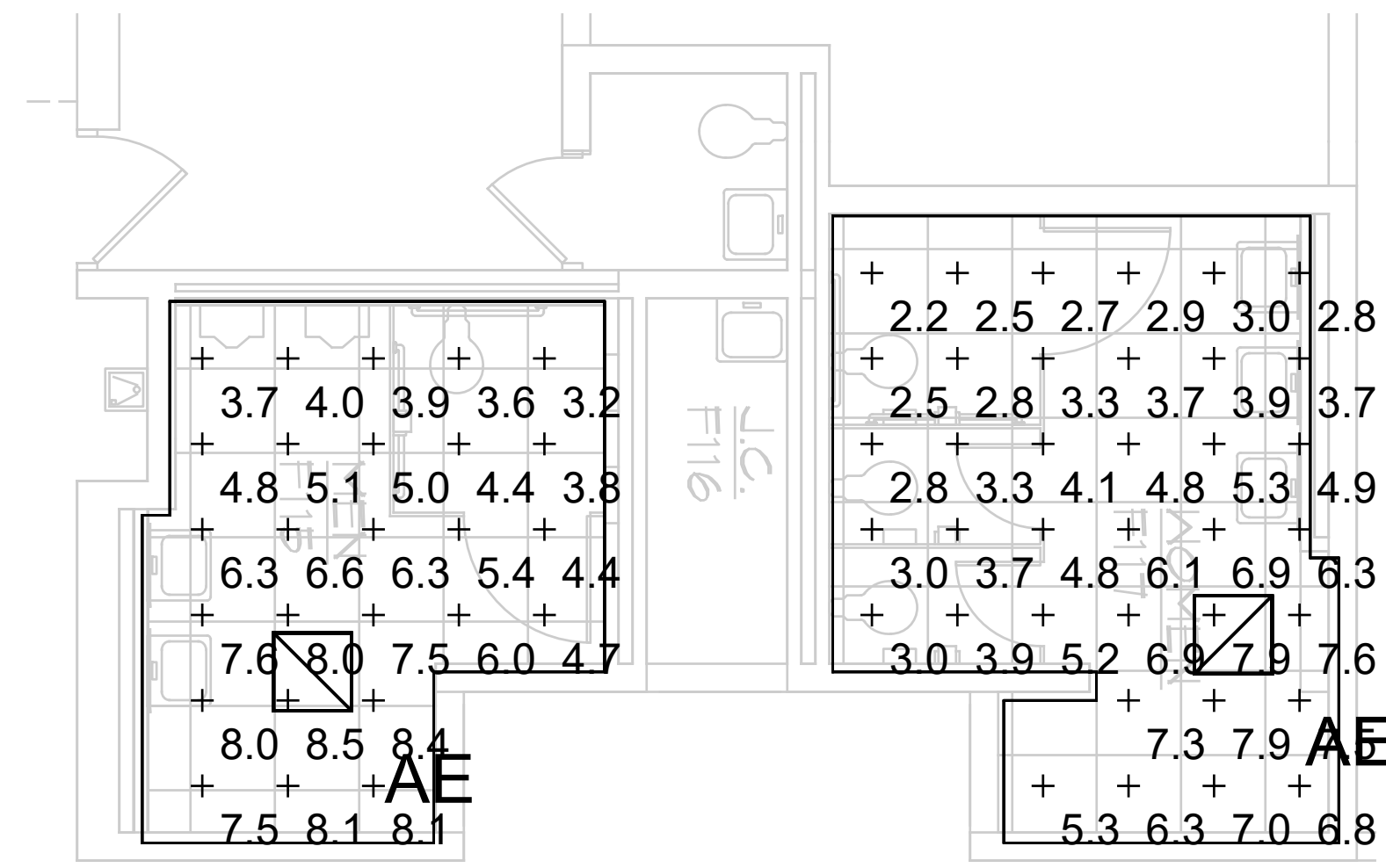
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 ENLARGED PLANS -
 EMERGENCY PT BY PT'S

PROJECT NUMBER
2019113.3

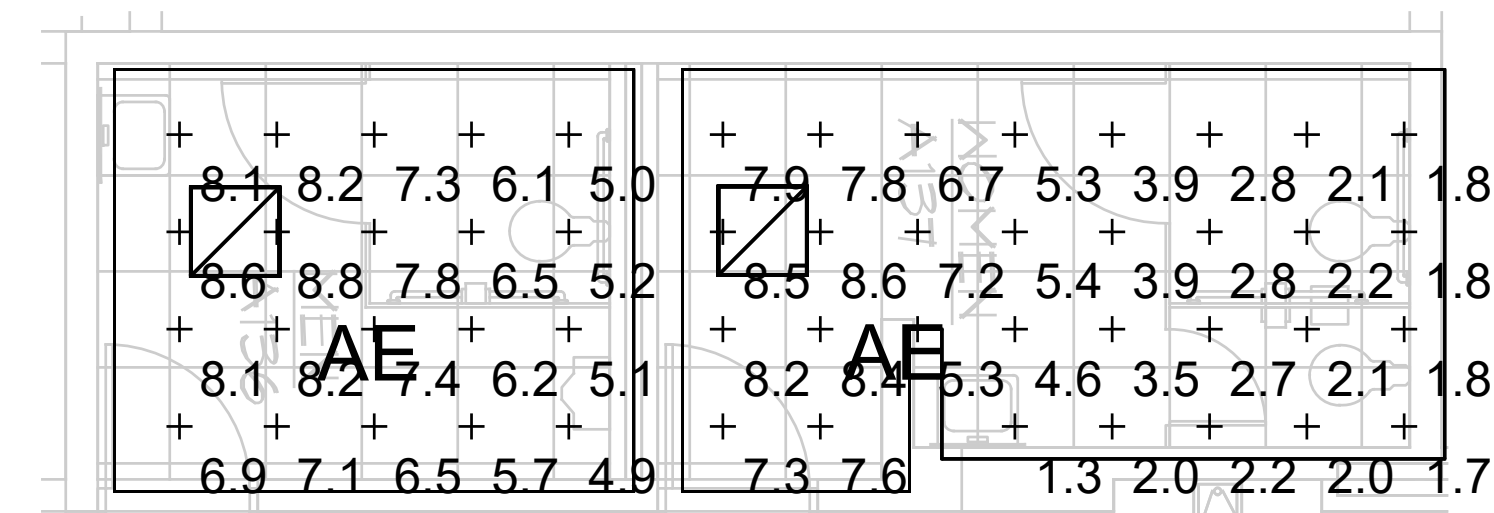
PROJECT DATE
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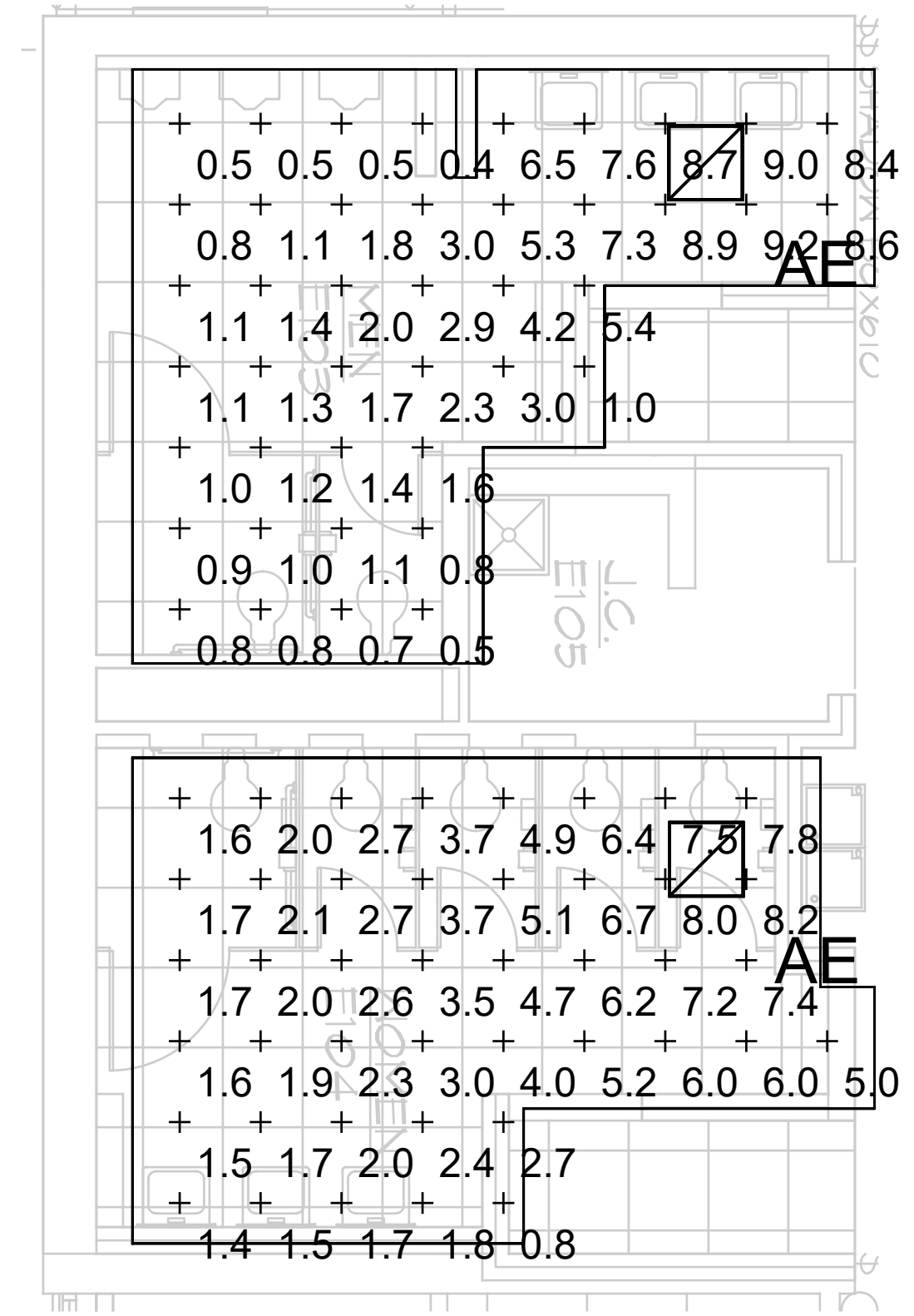
SHEET NUMBER
E4.01



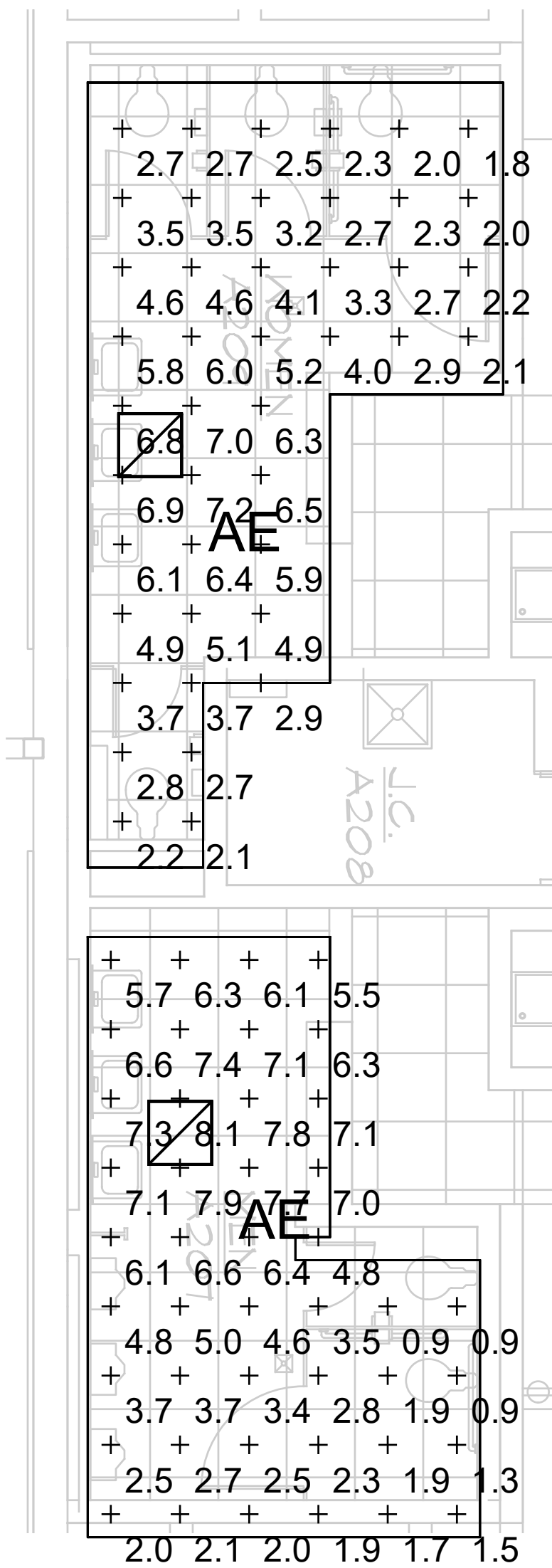
MEN F115, WOMEN F117
1/4"=1'-0"



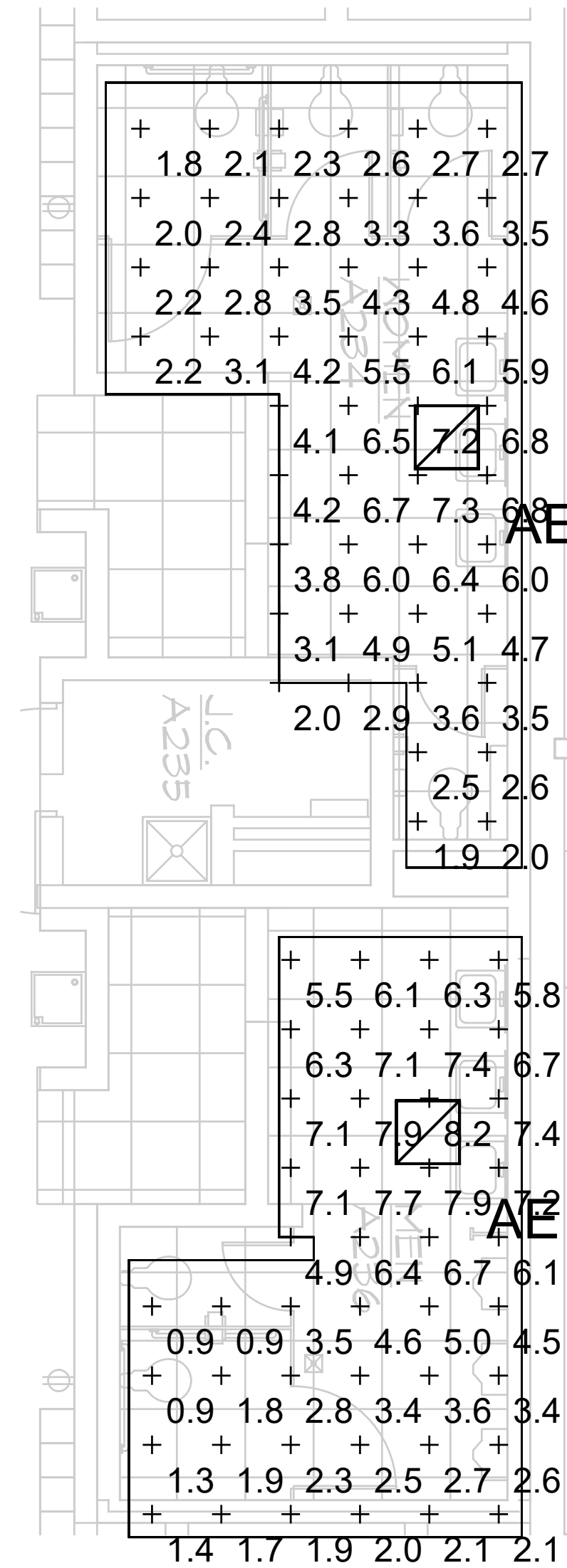
MEN A136, WOMEN A137
1/4"=1'-0"



MEN E103, WOMEN E104
1/4"=1'-0"



MEN A207, WOMEN A209
1/4"=1'-0"



WOMEN A234, MEN A236
1/4"=1'-0"

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
MEN A207	+	4.4 fc	8.1 fc	0.9 fc	9.0:1	4.9:1
MEN A236	+	4.4 fc	8.2 fc	0.9 fc	9.1:1	4.9:1
MEN E103	+	3.0 fc	9.2 fc	0.4 fc	23.0:1	7.5:1
MEN F115	+	5.9 fc	8.5 fc	3.2 fc	2.7:1	1.8:1
WOMEN A137	+	4.5 fc	8.6 fc	1.3 fc	6.6:1	3.5:1
WOMEN A209	+	4.0 fc	7.2 fc	1.8 fc	4.0:1	2.2:1
WOMEN A234	+	4.0 fc	7.3 fc	1.8 fc	4.1:1	2.2:1
WOMEN E104	+	3.8 fc	8.2 fc	0.8 fc	10.3:1	4.8:1
WOMEN F117	+	4.7 fc	7.9 fc	2.2 fc	3.6:1	2.1:1
MEN A136	+	6.9 fc	8.8 fc	4.9 fc	1.8:1	1.4:1

Manufacturer								
Symbol	Label	QTY	Manufacturer	Catalog	Number	Lamp Output	LLF	Input Power
AE	AE	10	Lithonia Lighting	CPX 2X2 AL07 (Mid) SWW7 (35K) SWL MKVOLT	1	3432	0.95	27.66

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