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# G.W. CARVER FRESHMAN FACILITY KITCHEN AND TOILET RENOVATIONS

1020 Gaskin Avenue South  
Douglas, GA 31533

## INDEX TO DRAWINGS

X1000 COVER SHEET, INDEX TO DRAWINGS

## ARCHITECTURAL

ALTMAN + BARRETT ARCHITECTS  
117 W. MAIN ST, HAHIRA, GA 31632 P.229.585.9018

- A1001 KITCHEN FLOOR PLAN - DEMOLITION
- A1002 TOILET FLOOR PLANS - DEMOLITION
- A2001 KITCHEN FLOOR PLAN - RENOVATION
- A2002 TOILET FLOOR PLANS - RENOVATION
- A6001 REFLECTED CEILING PLANS & DOOR AND FINISH SCHEDULE - RENOVATION

## MECHANICAL

ING CONSULTING, INC  
550 11th STREET, AUGUSTA, GA 30901 P.706.774.1020

- M0001 HVAC ABBREVIATIONS, LEGENDS, SCHEDULES, SEQUENCE OF OPERATION & DETAILS
- M1001 MECHANICAL - DEMO - KITCHEN AND LUNCHROOM
- M1002 MECHANICAL - DEMO - TOILETS
- M2001 MECHANICAL - NEW WORK - KITCHEN AND LUNCHROOM
- M2002 MECHANICAL - NEW WORK - TOILETS

## PLUMBING

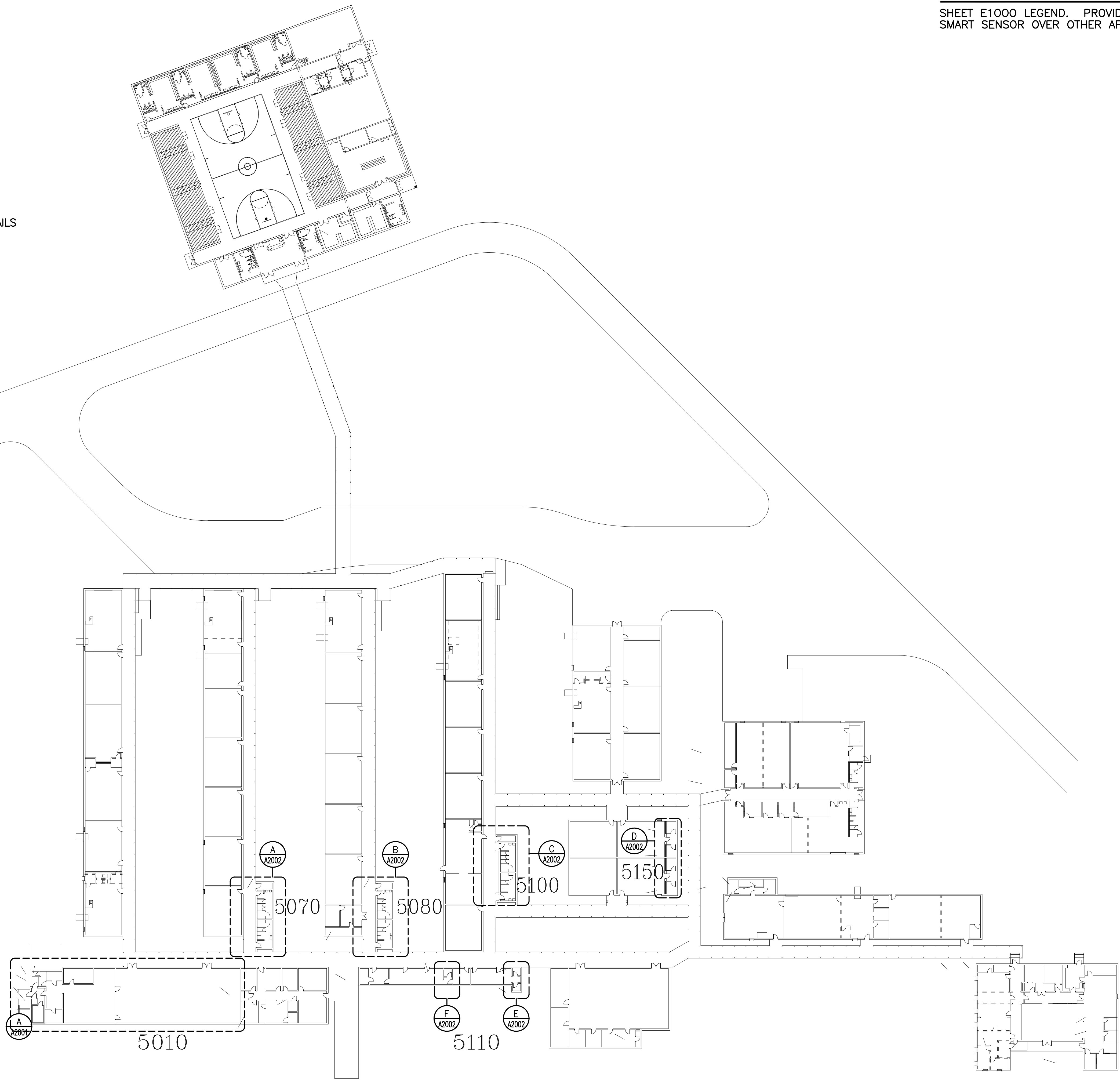
ING CONSULTING, INC  
550 11th STREET, AUGUSTA, GA 30901 P.706.774.1020

- P0001 PLUMBING LEGEND, SCHEDULE, NOTES & DETAILS
- P0002 PLUMBING - DETAILS
- P1001 PLUMBING - DEMO - KITCHEN
- P1002 PLUMBING - DEMO AND NEW WORK - TOILETS
- P2001 PLUMBING - SANITARY & VENT
- P2002 PLUMBING - DOMESTIC WATER, GAS & VENT PIPING PLAN
- P3001 PLUMBING - SANITARY & VENT PIPING ISOMETRIC
- DOMESTIC WATER, GAS & VENT PIPING ISOMETRIC

## ELECTRICAL

ELECTRICAL DESIGN CONSULTANTS, INC.  
1201 BROAD STREET, SUITE 1A, AUGUSTA, GA 30901 P.706.724.3551

- E1000 LEGEND, FIXTURE SCHEDULE, NOTES, AND DETAILS
- E1001 ELECTRICAL COMPOSITE PLAN
- E1002 DEMOLITION - KITCHEN CAFETERIA
- E2001 LIGHTING PLAN - KITCHEN CAFETERIA
- E2002 LIGHTING PLAN - TOILETS
- E3001 POWER PLAN - KITCHEN CAFETERIA
- E3002 POWER PLAN - TOILETS
- E4001 MECHANICAL POWER PLAN - KITCHEN CAFETERIA
- E5001 SYSTEMS PLAN - KITCHEN CAFETERIA AND TOILETS
- E6000 POWER RISER DIAGRAM AND PANEL BOARDS
- E7000 DETAILS



OVERALL SITE PLAN

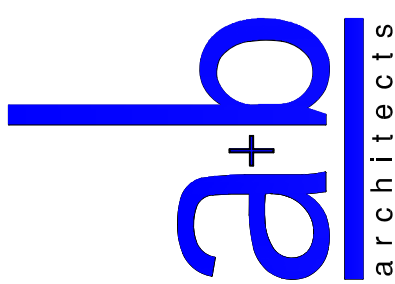
SCALE 1"=30'



## ADDITIVE ALTERNATE 1

SHEET E1000 LEGEND. PROVIDE COST IF ANY TO PROVIDE HALO IOT  
SMART SENSOR OVER OTHER APPROVED MANUFACTURES.

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X1000

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PROJECT NO: 19037



A l t m a n + B a r r e t t A r c h i t e c t

- GENERAL NOTES:



A  
A1001

Friday, March 11, 2021



DEMOLITION NOTES:

- 1 REMOVE QUARRY TILE, BASE AND MUD BED. REPLACE MUD BED WITH COMPATIBLE FILL AND INSTALL SEA
- 2 REMOVE PLUMBING FIXTURES.
- 3 REMOVE EXISTING LOUVER.
- 4 REMOVE BLOCK PARTITION.
- 5 REMOVE DISHWASHER AND DISH TABLES.
- 6 OWNER WILL REMOVE EXISTING SERVING LINE.
- 7 REMOVE WOOD CABINET.
- 8 REMOVE KITCHEN HOOD.
- 9 REMOVE VCT FLOOR AND PREP FOR NEW EPOXY FLOOR.
- 10 DEMO AND REMOVE COOLER AND FREEZER.
- 11 CONTRACTOR SHALL DISCONNECT, STORE, AND REINSTALL KITCHEN EQUIPMENT & SINKS.
- 12 REMOVE VCT FLOOR AND PREP FOR NEW VCT FLOOR.
- 13 REMOVE WINDOWS, FRAMES AND INFILL.
- 14 REMOVE WALL AND DOOR.
- 15 REMOVE CEILING TILE. GRID TO REMAIN IN LUNCHROOM. IN KITCHEN SUITE REMOVE GRID.

LEGEND

SAW CUT AND REMOVE EXISTING CONCRETE SLAB FOR NEW SEWER LINES.



DEMTO TOILET PARTITIONS



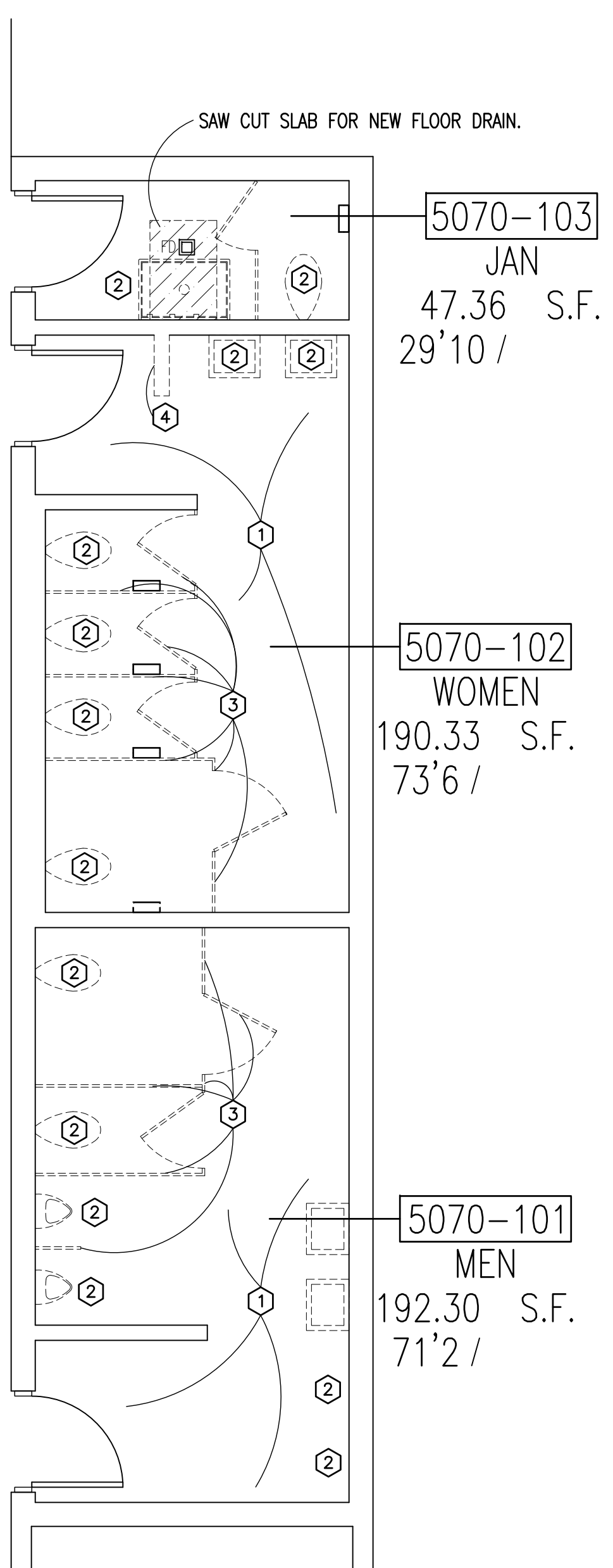
REMOVE MIRRORS, SOAP DISPENSERS, SINKS, PAPER TOWEL DISPENSERS, TYPICAL ALL TOILETS.



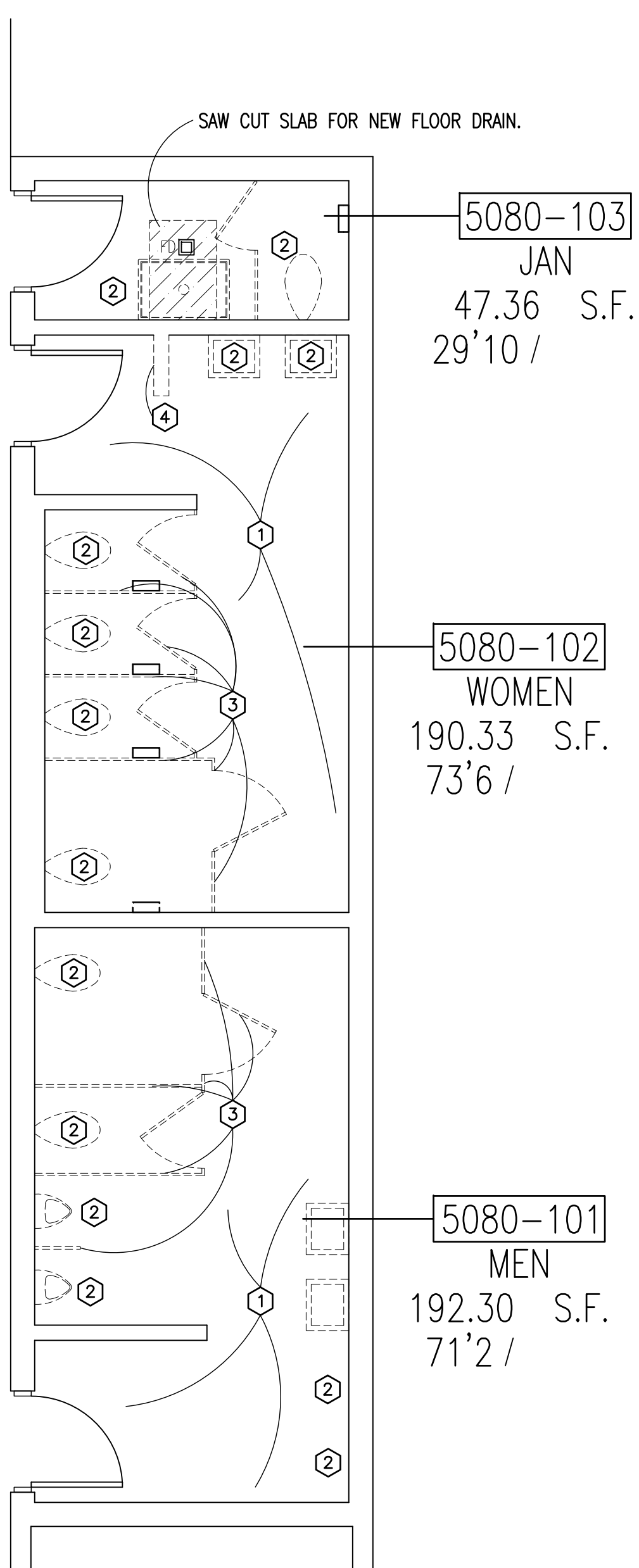
DEMTO TOILET PARTITIONS

TYPICAL WOMENS TOILETS

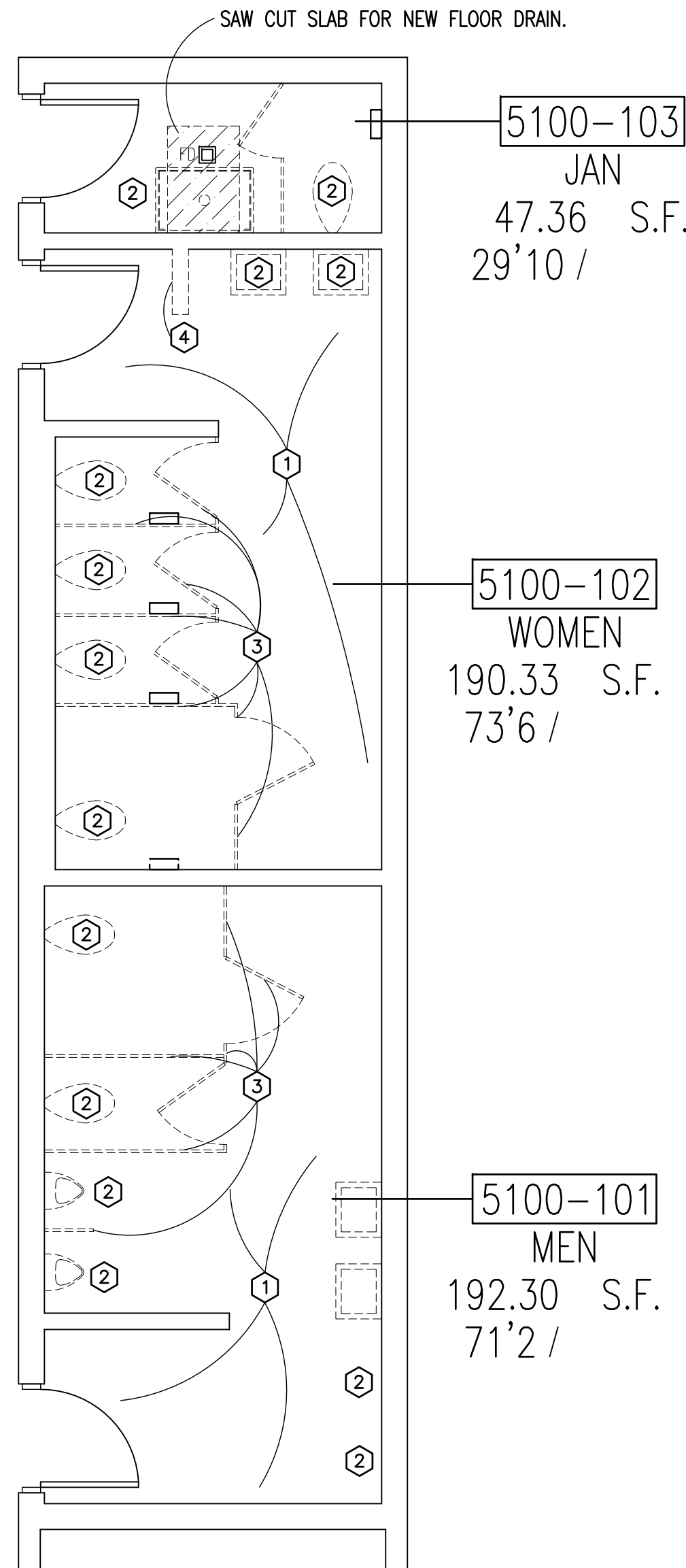
TYPICAL MENS TOILETS



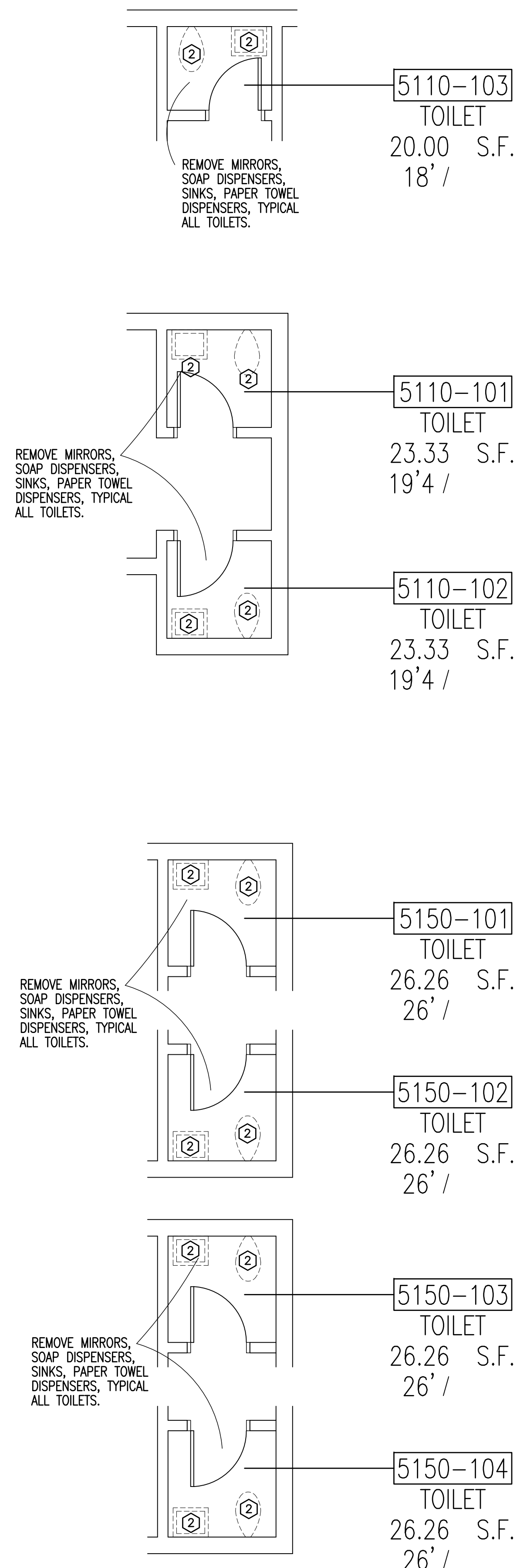
A A1002



B A1002



C A1002



D A1002

LARGE SCALE TOILET PLAN DEMO

SCALE 1/4"=1'0"

LARGE SCALE TOILET PLAN DEMO

SCALE 1/4"=1'0"

LARGE SCALE TOILET PLAN DEMO

SCALE 1/4"=1'0"

LARGE SCALE TOILET PLAN DEMO

SCALE 1/4"=1'0"

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Thursday, March 11, 2021



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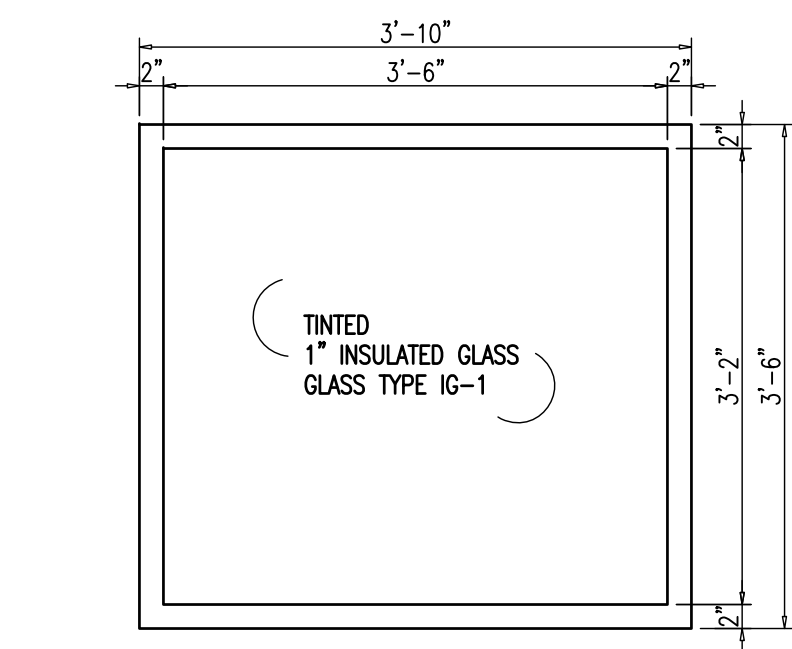
ITEM	QUANTITY	KITCHEN EQUIPMENT SCHEDULE				
		DESCRIPTION	MANUFACTURER	MODEL NUMBER	DIMENSION (L x W x H)	REMARKS
1	1	SERVING LINE	SPECLINE	28-CSE-F	SEE PLAN FOR LAYOUT	
2	1	TRAFFIC RAILS	LOW TEMP	CUSTOM	SEE PLAN FOR LAYOUT	
3	1	OMMITTED	---	---	---	
4	1	MERCHANDISER (DUAL ACCESS)	VICTORY	DRS-2D-S1-PT-LD	52-1/8" x 35 1/4" x 84 1/4"	PROVIDE CUSTOM STAINLESS STEEL CHASE W/ID TO EXT. OF UNIT TO CONCEAL CORD DOWN
5	1	WALK-IN COOLER	ARTIC INDUSTRIES	---	EXT. 13'-0" x 23'-11/8" - 8" COOLER 124" x 22" 3"	
6	1	WALK-IN FREEZER	ARTIC INDUSTRIES	---	EXT. 12'-0" x 19'-2 3/8" - 8" INT. FREEZER 9'0" x 18'6"	
EXISTING KITCHEN EQUIPMENT TO BE REMOVED AND REINSTALLED BY CONTRACTOR WHEN RENOVATION IS COMPLETE.						
7	4	WORK TABLE	EXISTING		---	
8	2	DOUBLE STACK CONVECTION OVENS	VULCAN	VC4ED-9	---	
9	2	PROOFING CABINET	WINSTON INDUSTRIES	HA4522	27.6" x 36.4" x 75.2"	
10	1	COMBI	BLODGETT	COS	---	
11	1	40 GALLON TILTING SKILLET	MARKET FORGE	1700	---	
12	1	PIZZA OVEN	LINCOLN	1301	---	
13	1	MIXER	HOBART	H600DT	---	
14	1	TWO COMPARTMENT SINK	LOW TEMP	---	---	
15	1	FOUR COMPARTMENT SINK	LOW TEMP	---	---	
16	1	FOOD CHOPPER W/WORK TABLE	HOBART	84142	---	
17	1	THREE DOOR REFRIGERATOR	VICTOR	RS-3D-S7	---	
18	1	MEAT SLICER W/ WORK TABLE	HOBART	EDGE	---	
19	1	ICE MACHINE	MANITOWOC	ID-0452A-161	---	
20	1	THREE DOOR FREEZER	DELFIELD	---	---	
21	1	2 DOOR HOT CABINET	DELFIELD	MHR2-S	---	
22	1	COLD CABINET	DELFIELD	MRR1-S	---	
23	1	SCALES	DELFIELD	MRR1-S	---	

RENOVATION NOTES:

1. PAINT WALLS AND CEILING.
2. INSTALL NEW PLUMBING FIXTURES.
3. INSTALL NEW TOILET PARTITIONS.
4. INSTALL NEW EPOXY FLOOR AND 6" BASE. IN GANG TOILETS CLEAN AND ETCH SURFACE TO ADHERE TO EPOXY FLOOR AND BASE.
5. IN JANITOR SPACE ETCH GLAZED TILE AND RUN EPOXY MATERIAL TO 4'-8" HIGH.

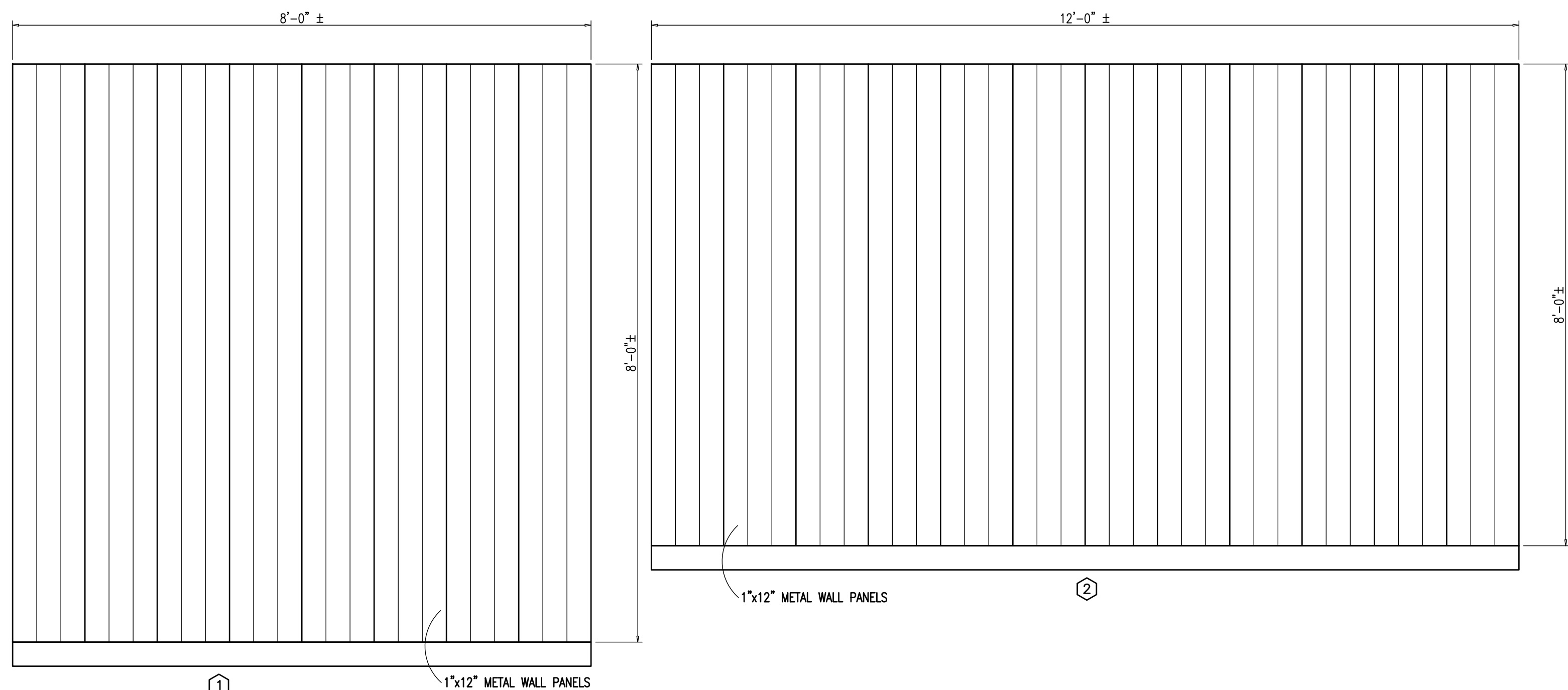
INDEX TO FINISHES

1	WALL PAINT: SHERWIN WILLIAMS COLOR: SW7646 FIRST STAR
2	TRIM PAINT: SHERWIN WILLIAMS COLOR: SW7660 EARL GREY
3	CEILING AND SOFFIT PAINT: SHERWIN WILLIAMS COLOR: WHITE
4	VCT FLOORING: TARKETT 12"x12" COLOR: TO BE SELECTED
5	4" VINYL BASE: TARKETT TYPE TV COLOR: TO BE SELECTED
6	SEAMLESS EPOXY FLOOR AND 6" BASE: COLOR TO BE SELECTED
7	ACOUSTICAL CEILING TILE: ARMSTRONG - FINE FISURED 1717 24"x24"x3/4"
8	KITCHEN ACOUSTIC CEILING TILE: ARMSTRONG - CLEAN ROOM VL MODEL: 868, SIZE: 24"x24"x5/8", EDGE PROFILE: SQUARE LAY-IN FOR INTERFACE WITH PRELUDE PLUS XL FIRE GUARD 15/16" EXPOSED TEE. COLOR: WHITE



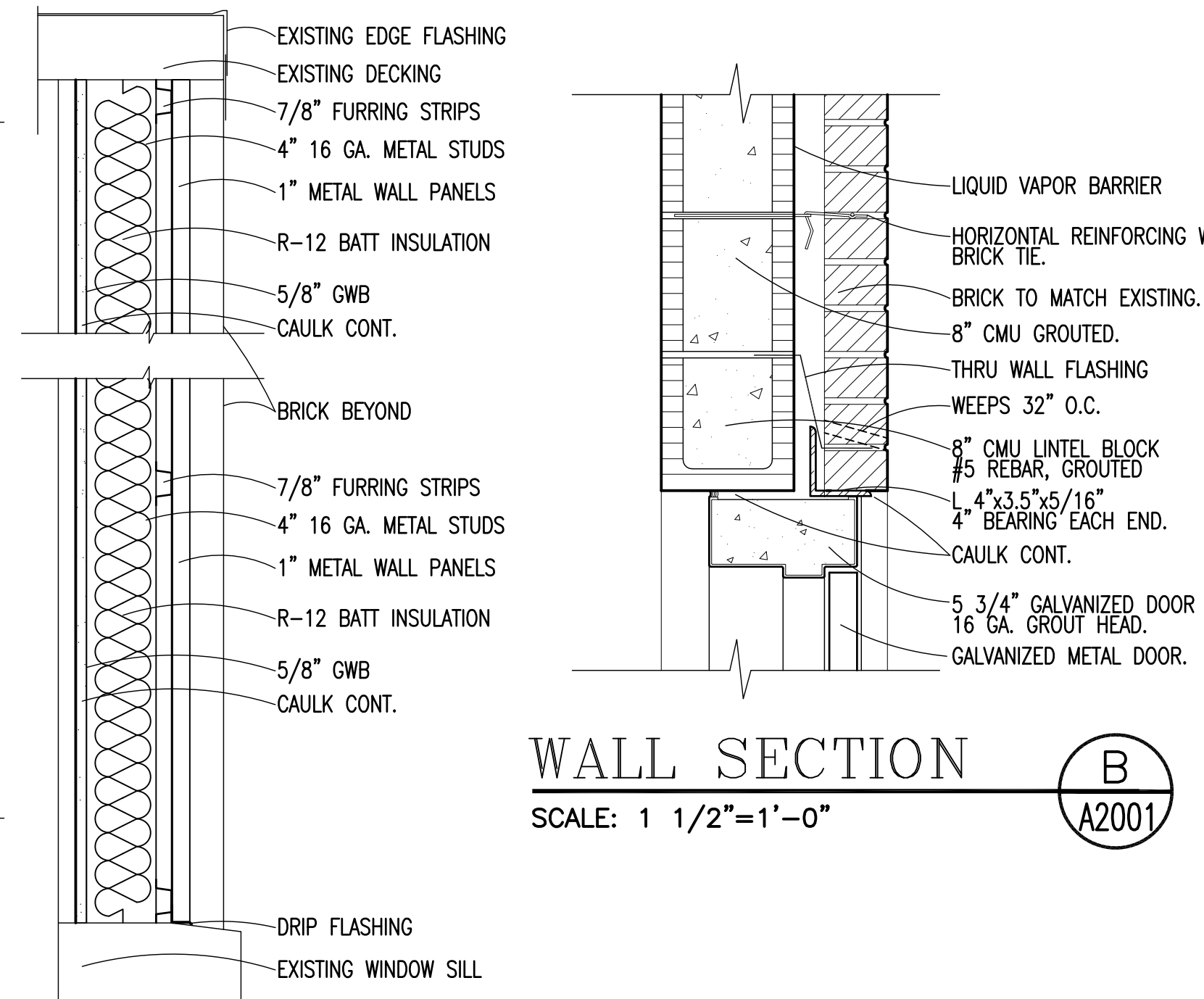
WINDOW ELEVATIONS

SCALE 3/4"=1'0"



WINDOW INFILL

SCALE 3/4"=1'0"

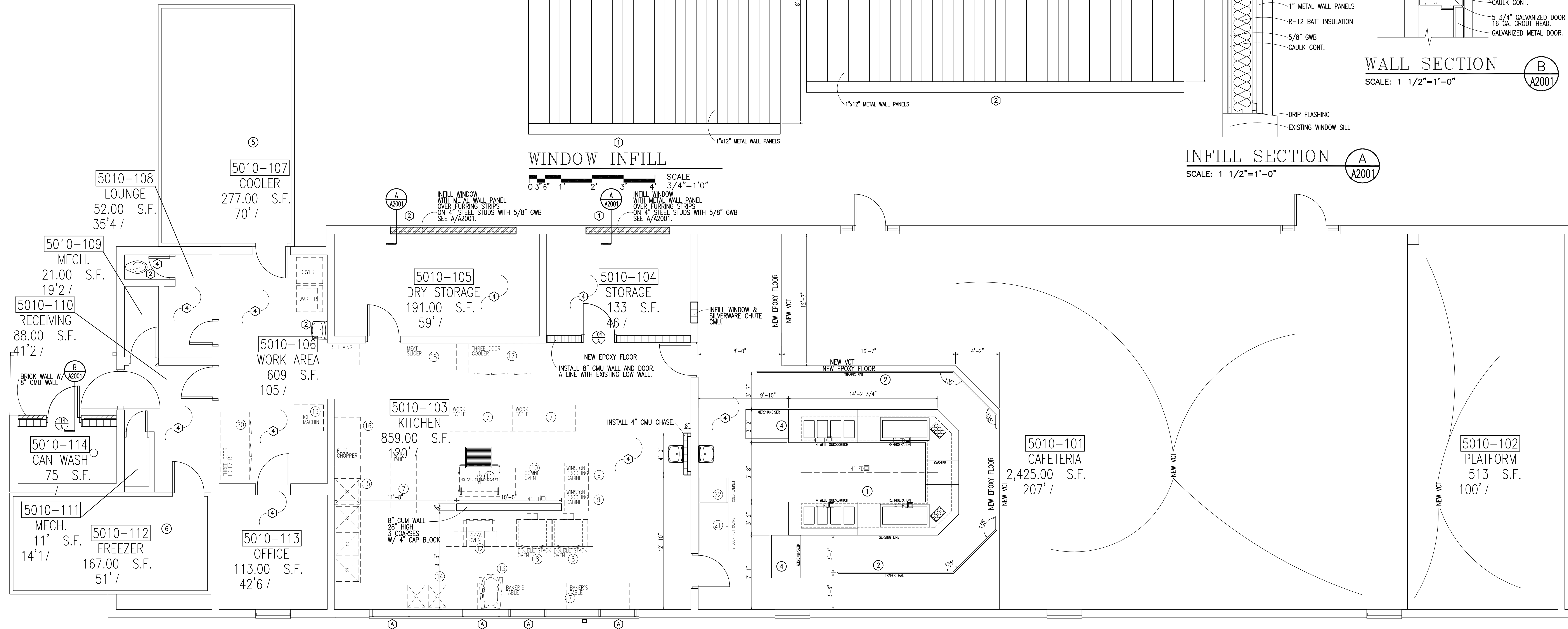


WALL SECTION

SCALE: 1 1/2"=1'-0"

INFILL SECTION

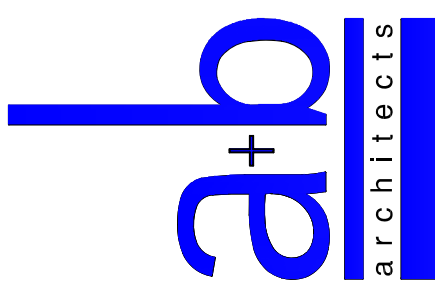
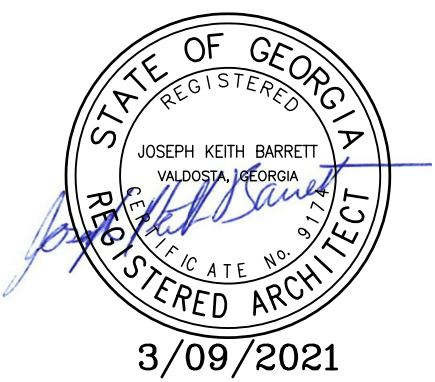
SCALE: 1 1/2"=1'-0"



LARGE SCALE KITCHEN AND LUNCHROOM PLAN - RENOVATION

SCALE 1/4"=1'0"

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DATE: 3.09.2021  
DRAWN: K. BARRETT  
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REVISIONS: 1.  
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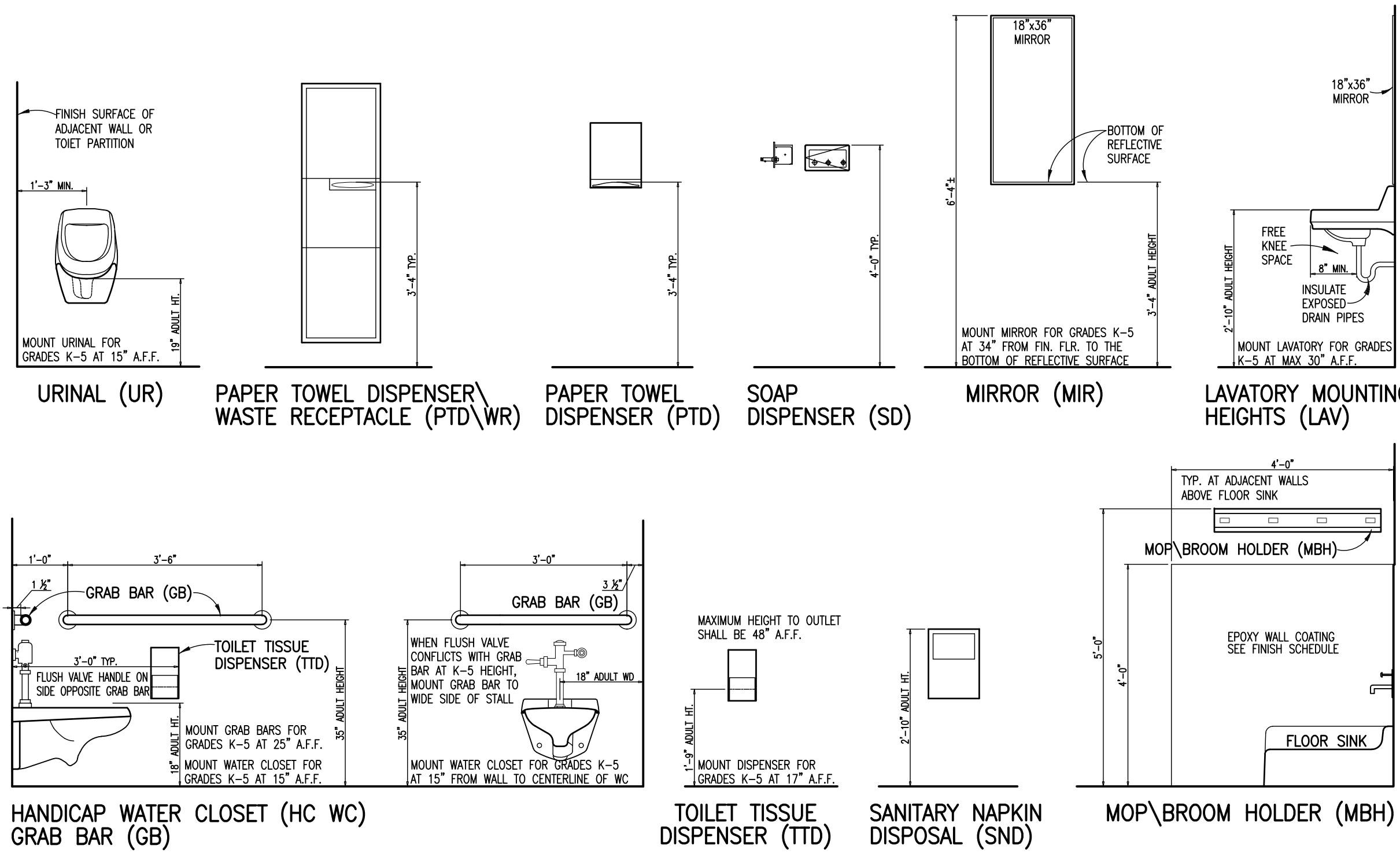
A2001

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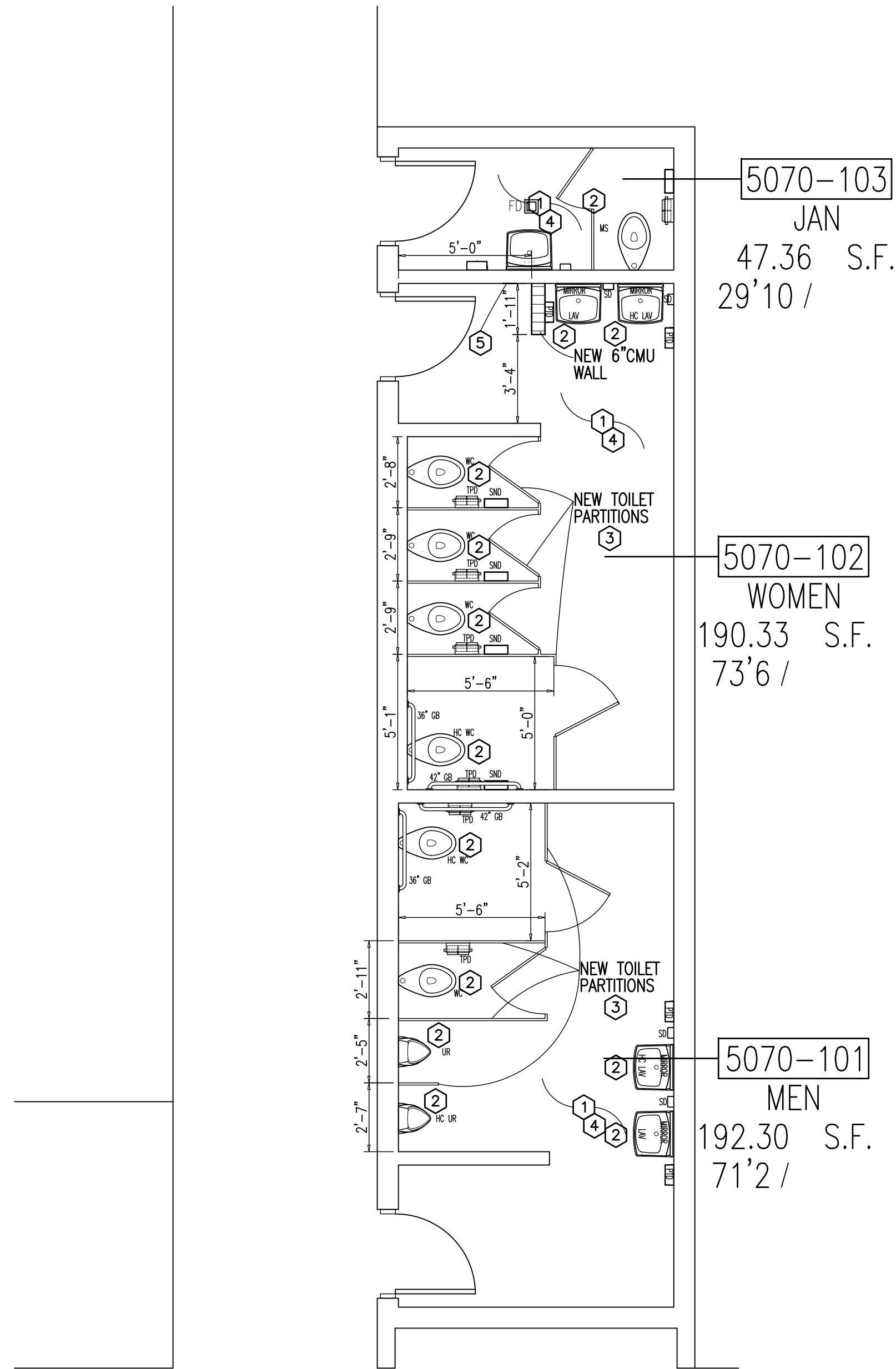


## TOILET ACCESSORY MOUNTING HEIGHTS

SCALE: NTS

## RENOVATION NOTES:

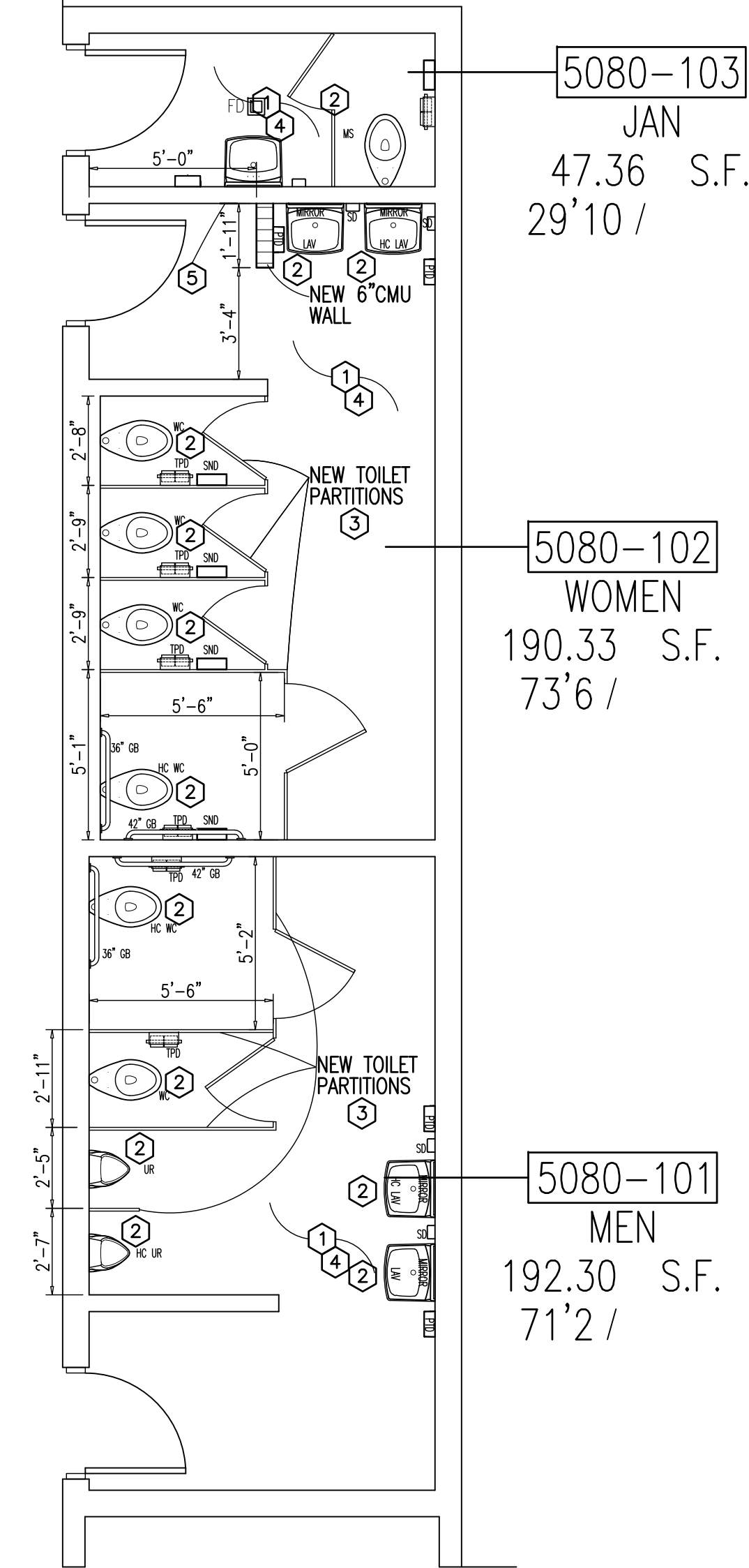
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- 5 IN JANITOR SPACE ETCH GLAZED TILE AND RUN EPOXY MATERIAL TO 4'-8" HIGH.



## LARGE SCALE TOILET PLAN

SCALE 1/4"=1'0"

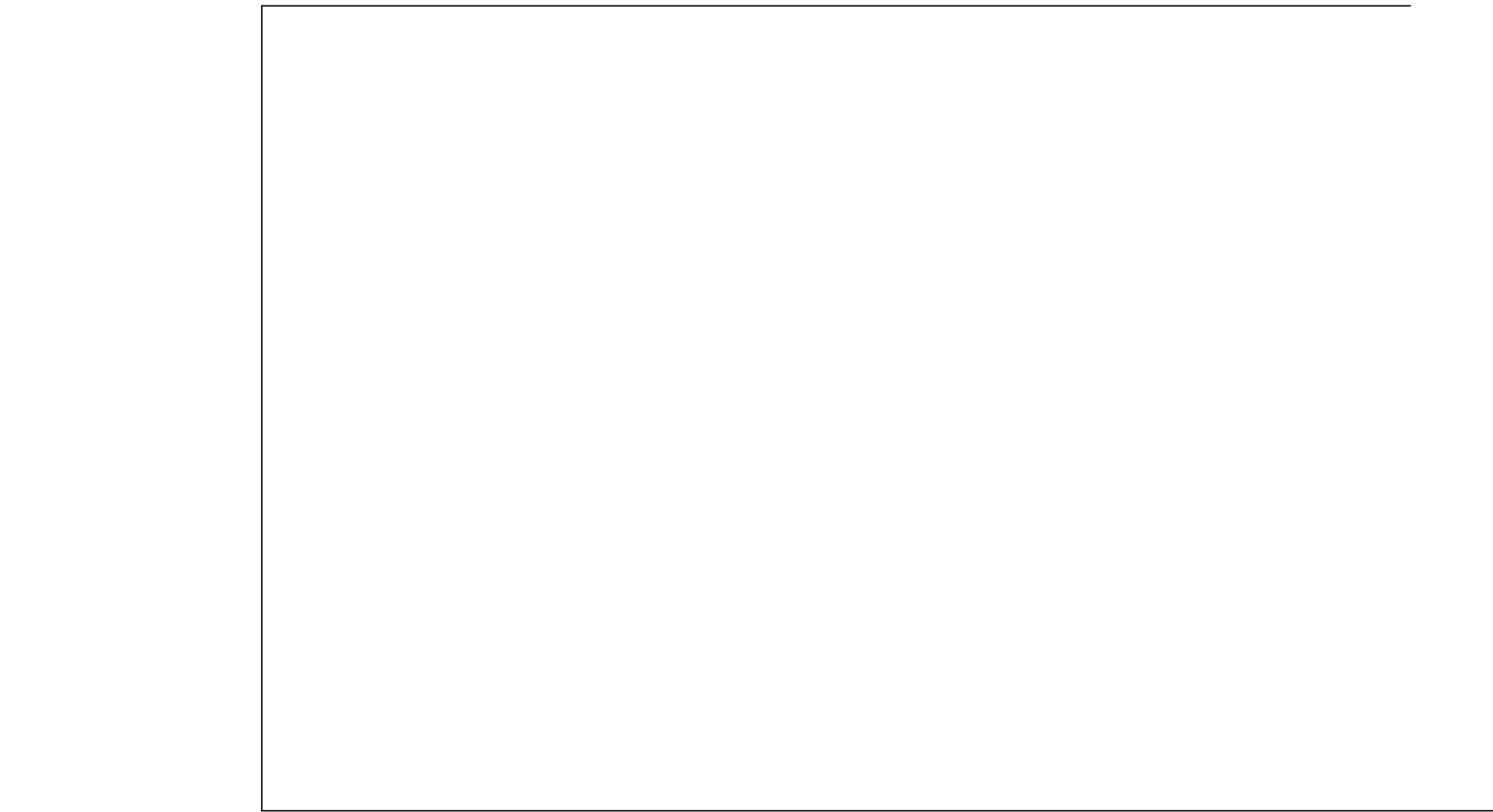
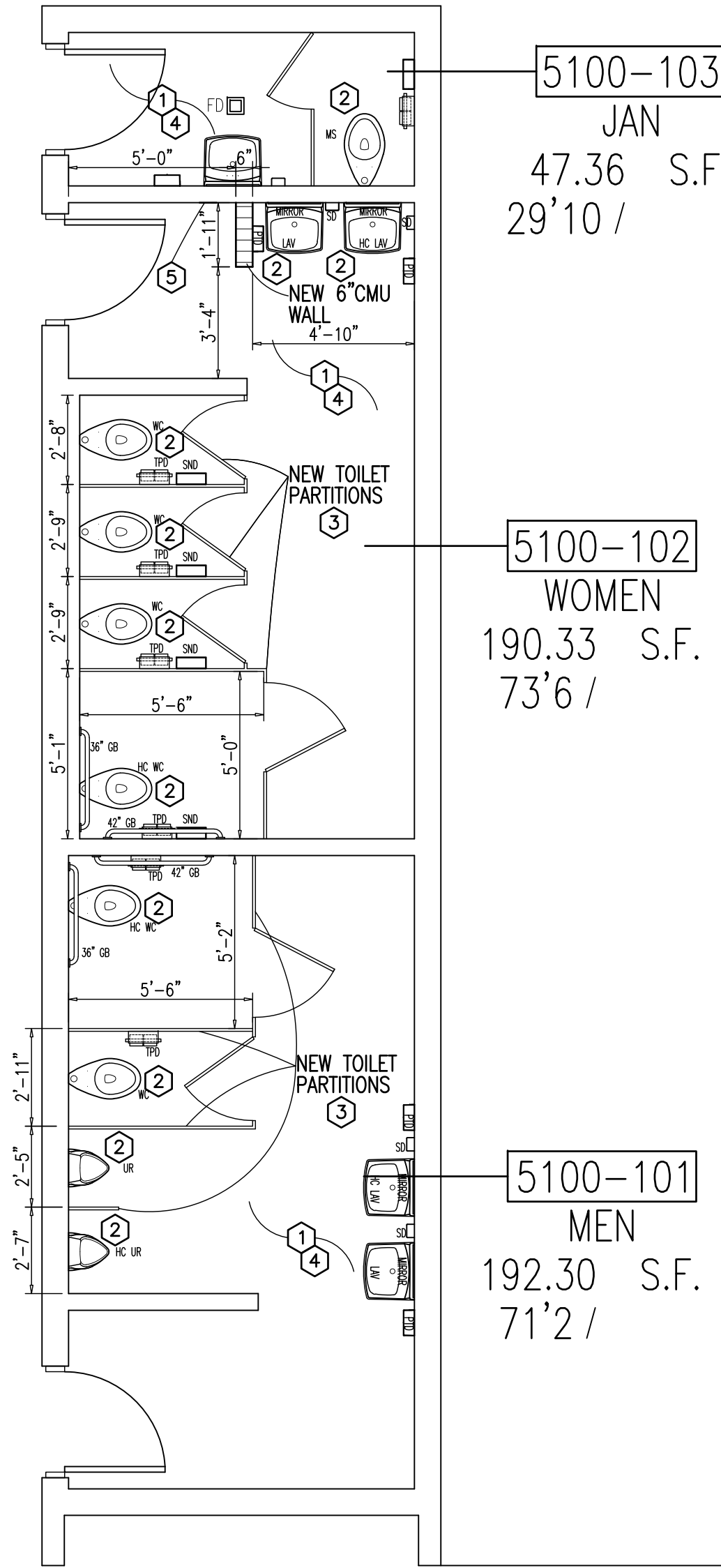
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## LARGE SCALE TOILET PLAN

SCALE 1/4"=1'0"

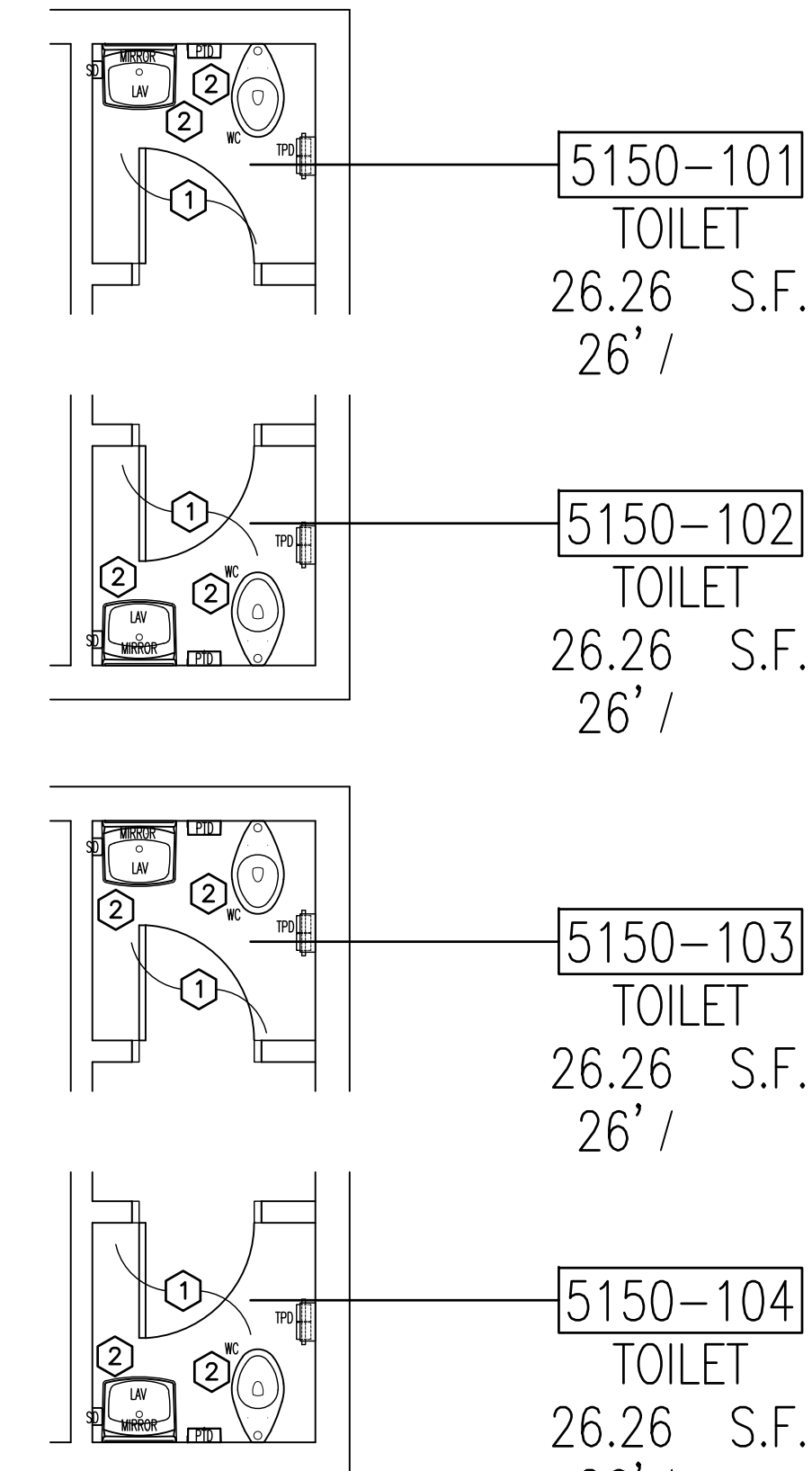
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## LARGE SCALE TOILET PLAN

SCALE 1/4"=1'0"

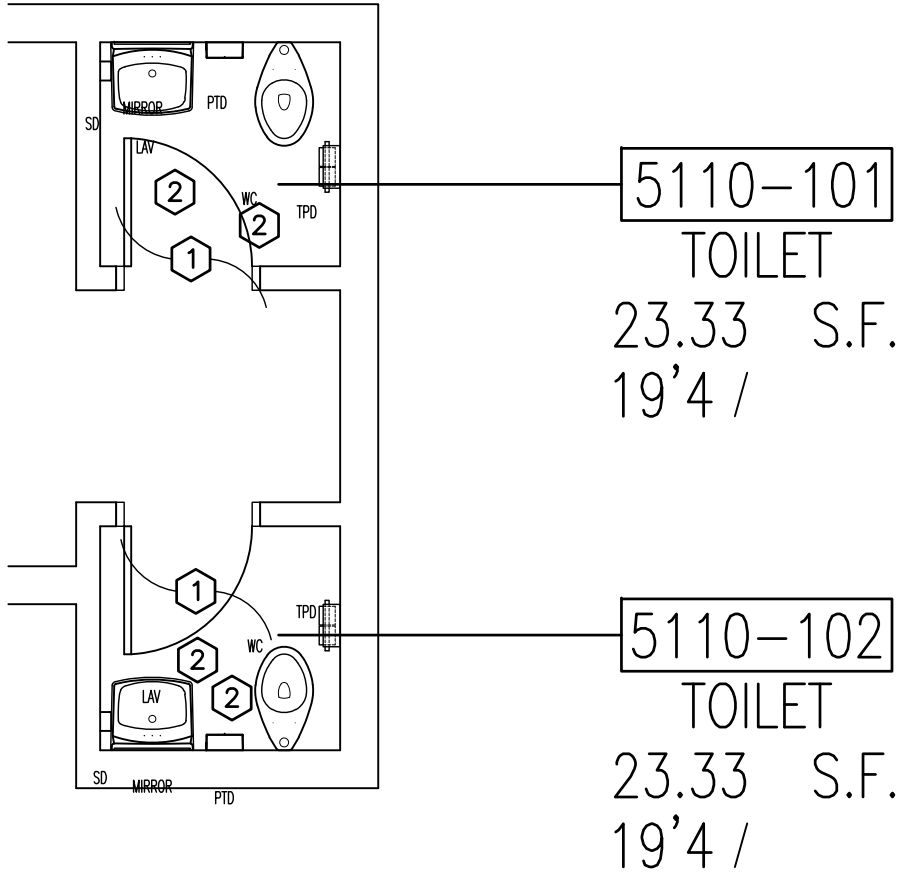
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## LARGE SCALE TOILET PLAN

SCALE 1/4"=1'0"

A2002



## LARGE SCALE TOILET PLAN

SCALE 1/4"=1'0"

A2002

## INDEX TO FINISHES

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## LEGEND

- LAV LAVATORY
- HC LAV ADA LAVATORY
- PTD PAPER TOWEL DISPENSER
- SD SOAP DISPENSER
- MIR MIRROR
- WC WATER CLOSET
- HC WC ADA WATER CLOSET
- UR URINAL
- HC UR ADA URINAL
- TTD TOILET PAPER DISPENSER
- MOP MOP SINK
- GB GRAB BAR
- GENERAL NOTE: PAPER TOWEL DISPENSERS, SOAP DISPENSERS, TOILET PAPER DISPENSERS WILL BE PROVIDED BY OWNER FOR CONTRACTOR TO INSTALL.

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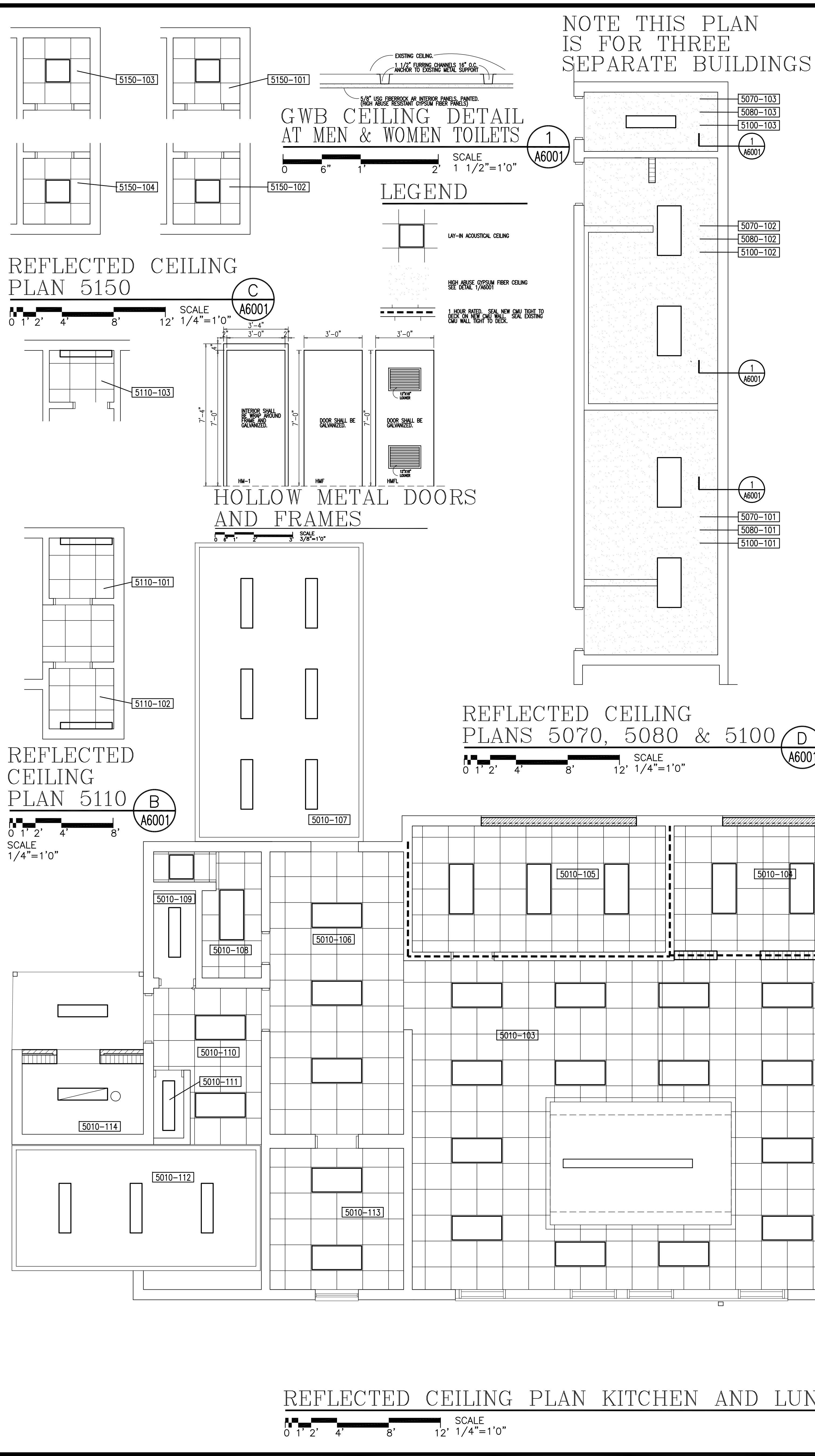
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Architectural drawing title block with vertical text: s, t, e, c, t, i, o, n, A, t, e, r, a, b, +, n, a, m, e, l, A



DOOR & ROOM FINISH SCHEDULE																													
BUILDING NUMBER	ROOM NUMBER	DOOR NUMBER	LOCATION	WIDTH	HEIGHT	THICK	DOOR TYPE	FRAME TYPE	DETAILS	HD'W NUMBER	REMARKS	IDENTIFICATION	FLOOR				BASE		WALLS		CEILING				INSTALL EPOXY WALL COATING, GLASSOK 170 FR HIGH BUILD OR EQUAL, ON WALLS ABOVE CUSTODIAL FLOOR SINKS, ALL SHOWER WALLS INSIDE STALL AND ALL URINAL PARTITION WALLS. COATING SHALL WRAP END OF PARTITION WALL WHERE TWO SHOWER/URINAL STALLS ADJOIN EACH OTHER. FINISHED HEIGHTS SHALL BE 7'-4" AFT.	REMARKS			
													VCT	QUARTZ FLOORING	EXISTING TO REMAIN	CONCRETE	NONE	RESILIENT 4"	INTEGRAL QUARTZ BASE	EXISTING TO REMAIN	NONE	EPOXY PAINT	ACOUSTIC WALL PANELS	ACCENT			ACOUSTICAL TILE	PAINTED GWB	PAINTED CEILING
5010	101		CAFETERIA										(V)				(R)			(P)									
5010	102		PLATFORM										(V)				(R)			(P)									
5010	103		KITCHEN											(Q)				(Q)			(P)								MATCH EXISTING CEILING HT.
5010	104		STORAGE	3'-0"	7'-0"	1 3/4"	HMF	HM-1		1	60 MINUTE RATED			(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	105		DRY STORAGE											(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	106		WORK AREA											(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	107		COOLER																										
5010	108		LOUNGE											(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	109		MECH																										
5010	110		RECEIVING											(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	111		MECH																										
5010	112		FREEZER																										
5010	113		OFFICE											(Q)				(Q)			(P)				(AC)				MATCH EXISTING CEILING HT.
5010	114		CAN WASH	3'-0"	7'-0"	1 3/4"	HMFL	HM-1		2				(Q)				(Q)			(P)								
5070	101		MENS TOILET											(Q)				(Q)			(P)					(P3)			
5070	102		WOMENS TOILET											(Q)				(Q)			(P)					(P3)			
5070	103		JANITOR											(Q)				(Q)			(P)					(P3)			
5080	101		MENS TOILET											(Q)				(Q)			(P)					(P3)			
5080	102		WOMENS TOILET											(Q)				(Q)			(P)					(P3)			
5080	103		JANITOR											(Q)				(Q)			(P)					(P3)			
5100	101		MENS TOILET											(Q)				(Q)			(P)					(P3)			
5100	102		WOMENS TOILET											(Q)				(Q)			(P)					(P3)			
5100	103		JANITOR											(Q)				(Q)			(P)					(P3)			
5110	120		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.
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5110	122		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.
5150	101		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.
5150	102		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.
5150	103		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.
5150	104		TOILET																		(P)				(AC)				MATCH EXISTING CEILING HT.

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REGISTERED ARCHITECT  
JOSEPH K. BARRETT  
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DATE: 3.09.2021

DRAWN: K. BARRETT

CHECKED: K. BARRETT

REVISIONS: 1

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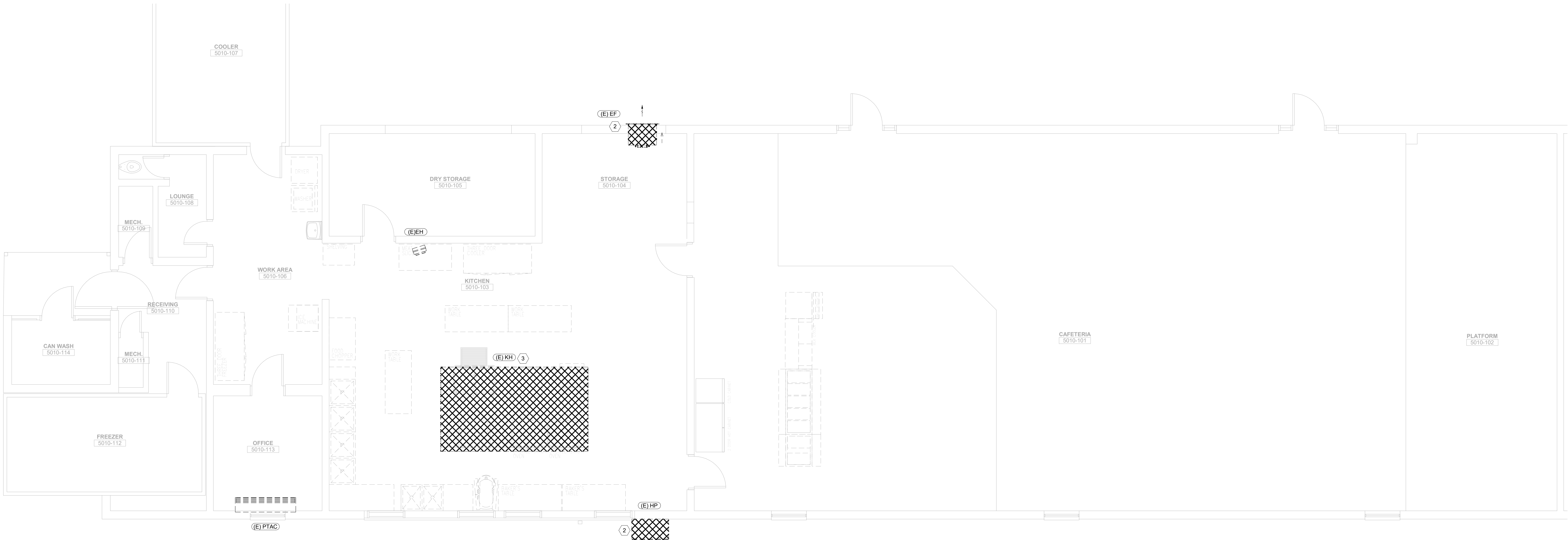
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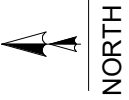


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1 KITCHEN ROOF - MECHANICAL DEMO

M1001 1/4" = 1'-0"



2 KITCHEN AND LUNCHROOM - MECHANICAL DEMO

M1001 1/4" = 1'-0"



GENERAL NOTES: (THIS SHEET ONLY)

- EXISTING HVAC SYSTEMS REPRESENTED ON THIS SHEET ARE FOR GENERAL REFERENCE PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, ORIENTATION, ARRANGEMENT OF EXISTING SYSTEMS.
- THESE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE FULL EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK PLANS AND REMOVAL OF MATERIALS AND COMPONENTS REQUIRED FOR INSTALLATION OF THE NEW AND RENOVATED SYSTEMS.

KEYNOTES: (THIS SHEET ONLY)

- DEMOLISH AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK. ELECTRICAL SERVICE TO REMAIN.
- DEMOLISH AND REMOVE EXISTING MECHANICAL EQUIPMENT. PATCH EXISTING HOLES PER ARCHITECTURAL SPECIFICATIONS.
- DEMOLISH AND REMOVE EXISTING KITCHEN HOOD. PREPARE AREA FOR NEW WORK.

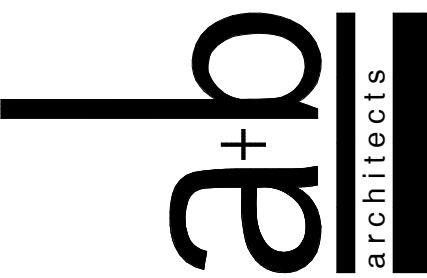


G.W. CARVER FRESHMAN FACILITY  
KITCHEN AND TOILET RENOVATIONS  
1020 Gaskin Avenue South  
Douglas, GA 31533

PROJECT STATUS  
M1001  
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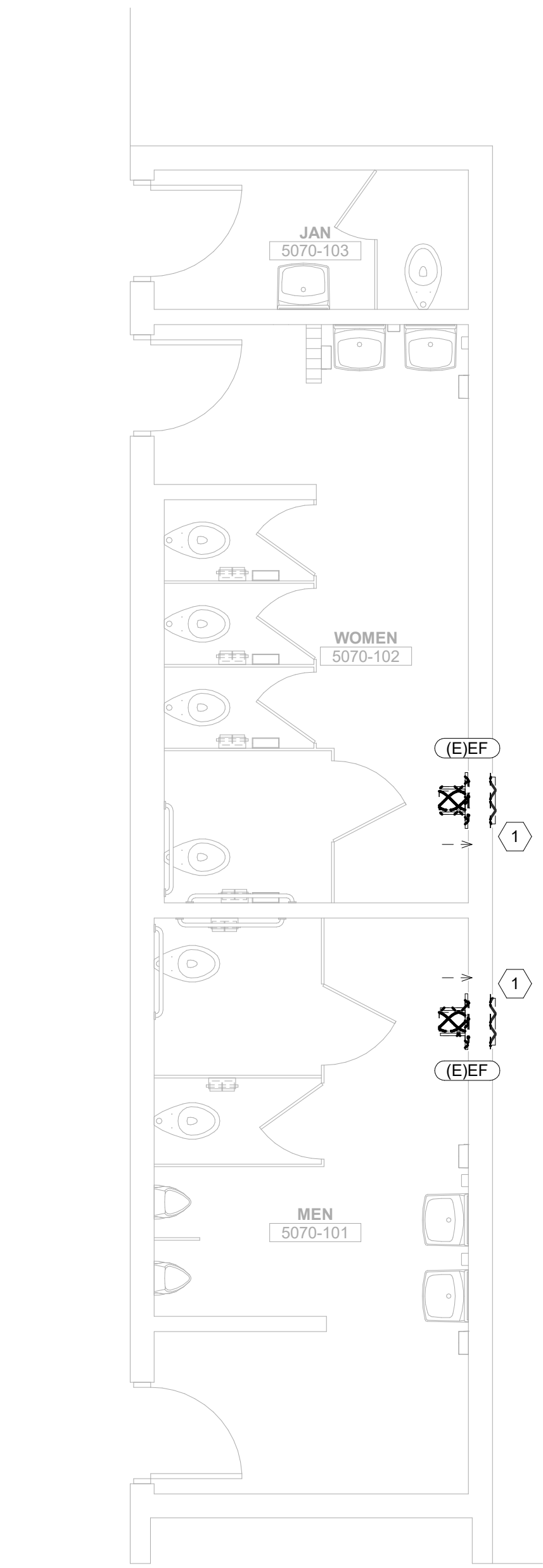
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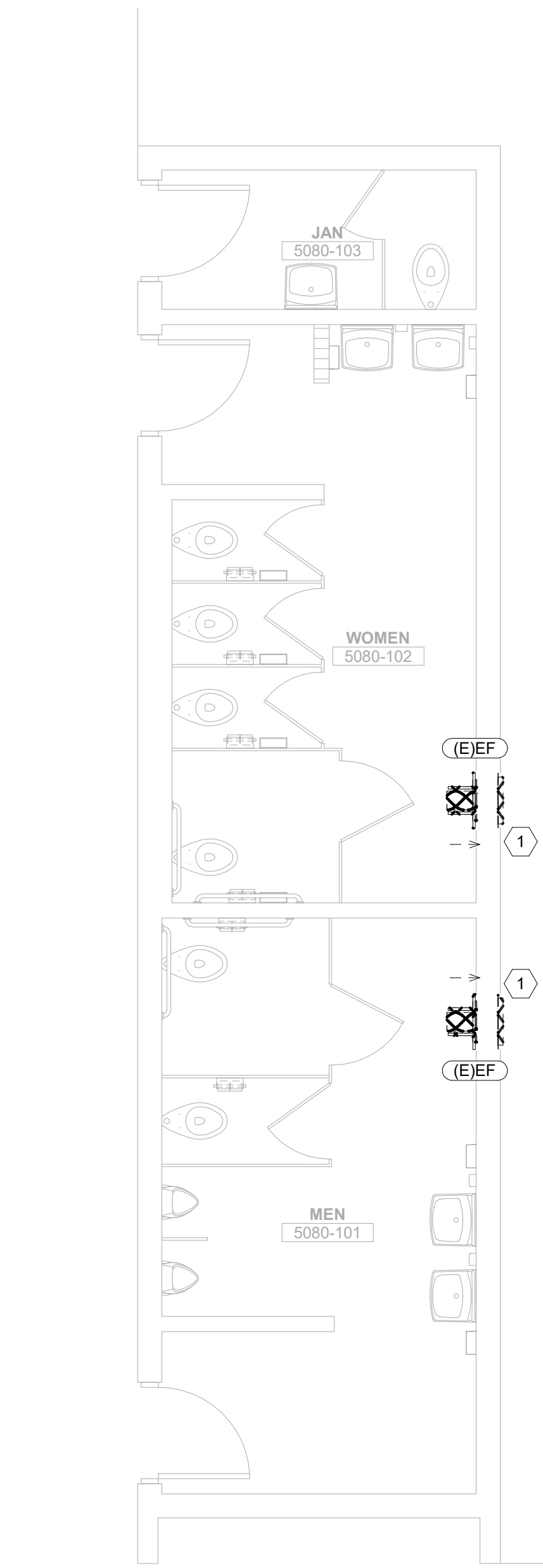


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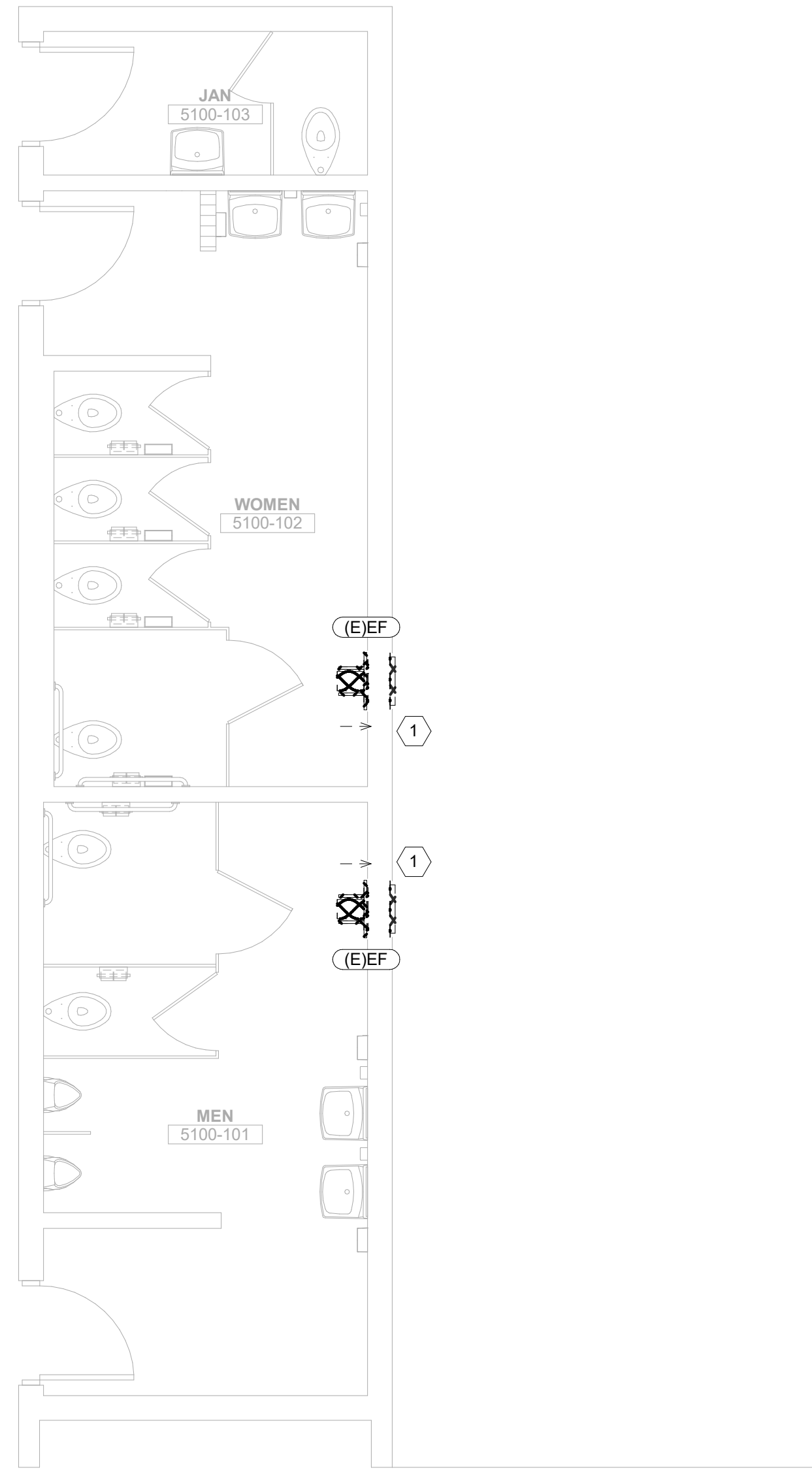
1 TOILET PLAN - MECHANICAL DEMO

M1002 1/4" = 1'-0"  
NORTH



2 TOILET PLAN - MECHANICAL DEMO

M1002 1/4" = 1'-0"  
NORTH



3 TOILET PLAN - MECHANICAL DEMO

M1002 1/4" = 1'-0"  
NORTH

GENERAL NOTES: (THIS SHEET ONLY)

- EXISTING HVAC SYSTEMS REPRESENTED ON THIS SHEET ARE FOR GENERAL REFERENCE PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, ORIENTATION, ARRANGEMENT OF EXISTING SYSTEMS.
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KEYNOTES: (THIS SHEET ONLY)

- DEMOLISH AND REMOVE EXISTING EXHAUST FAN. PREPARE AREA FOR NEW WORK.

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CONSULTING

G.W. CARVER FRESHMAN FACILITY  
KITCHEN AND TOILET RENOVATIONS  
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PROJECT STATUS  
M1002

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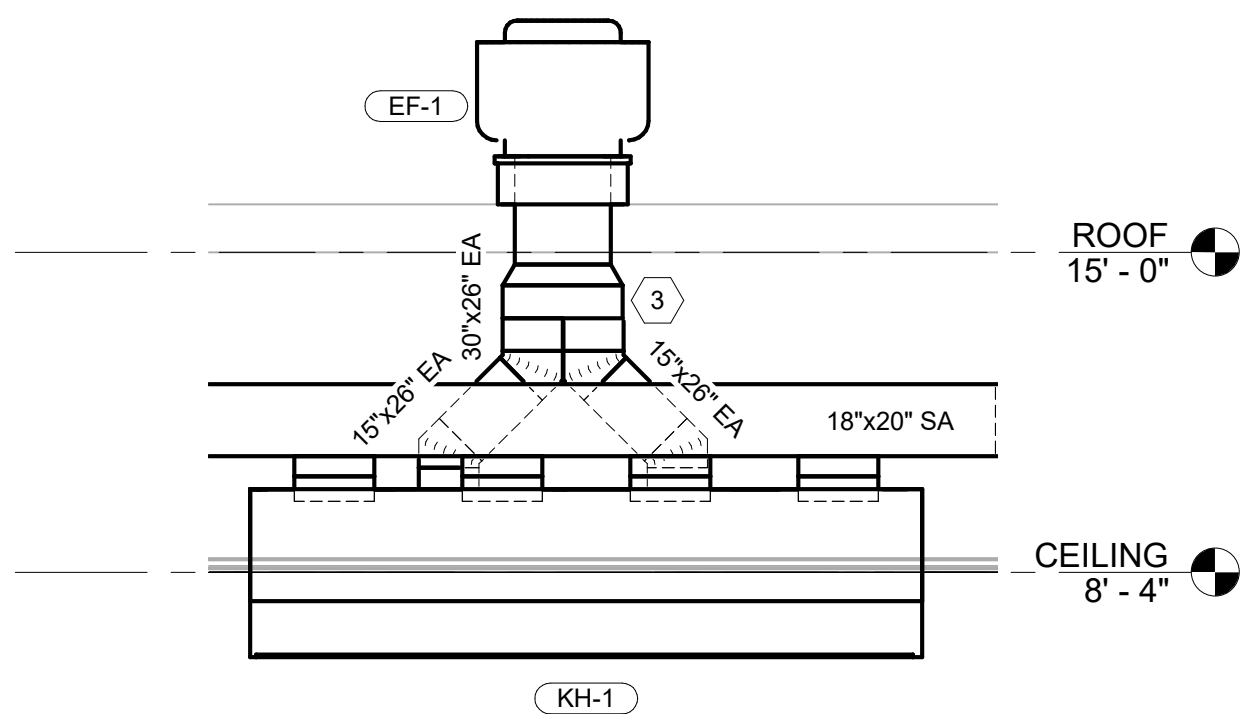
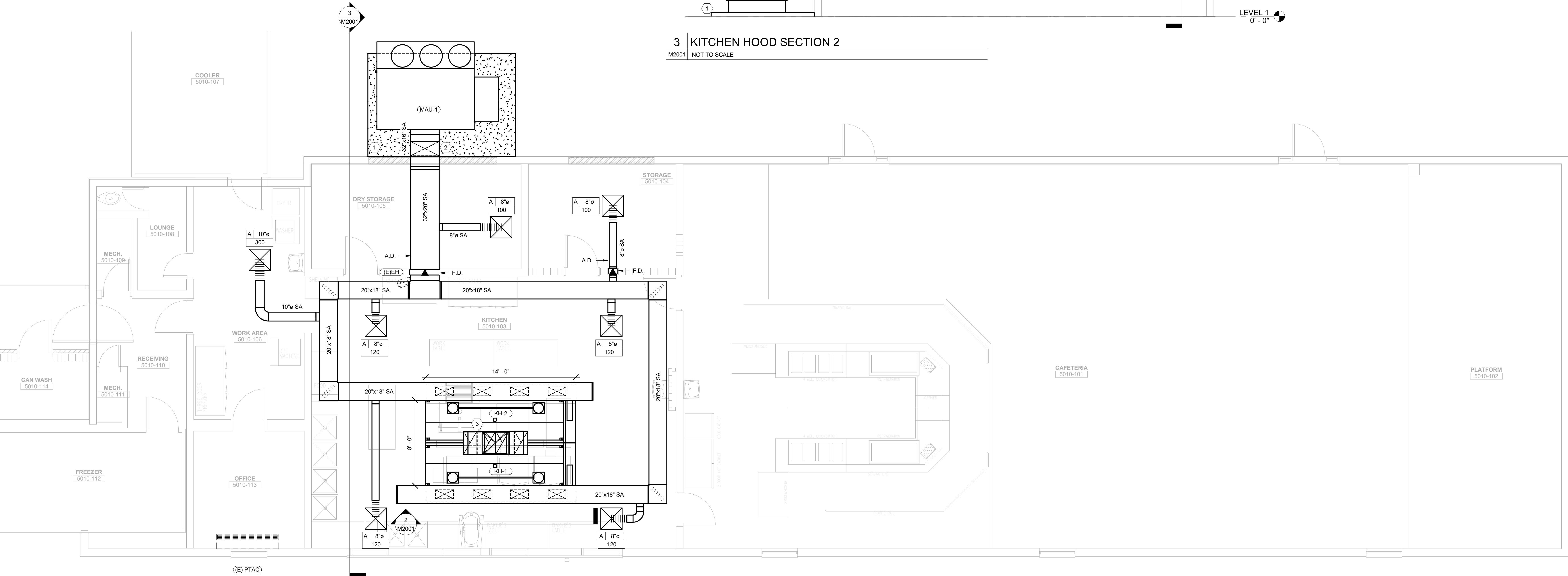
# 1 KITCHEN ROOF - MECHANICAL NEW WORK

M2001 1/4" = 1'-0"  
NORTH



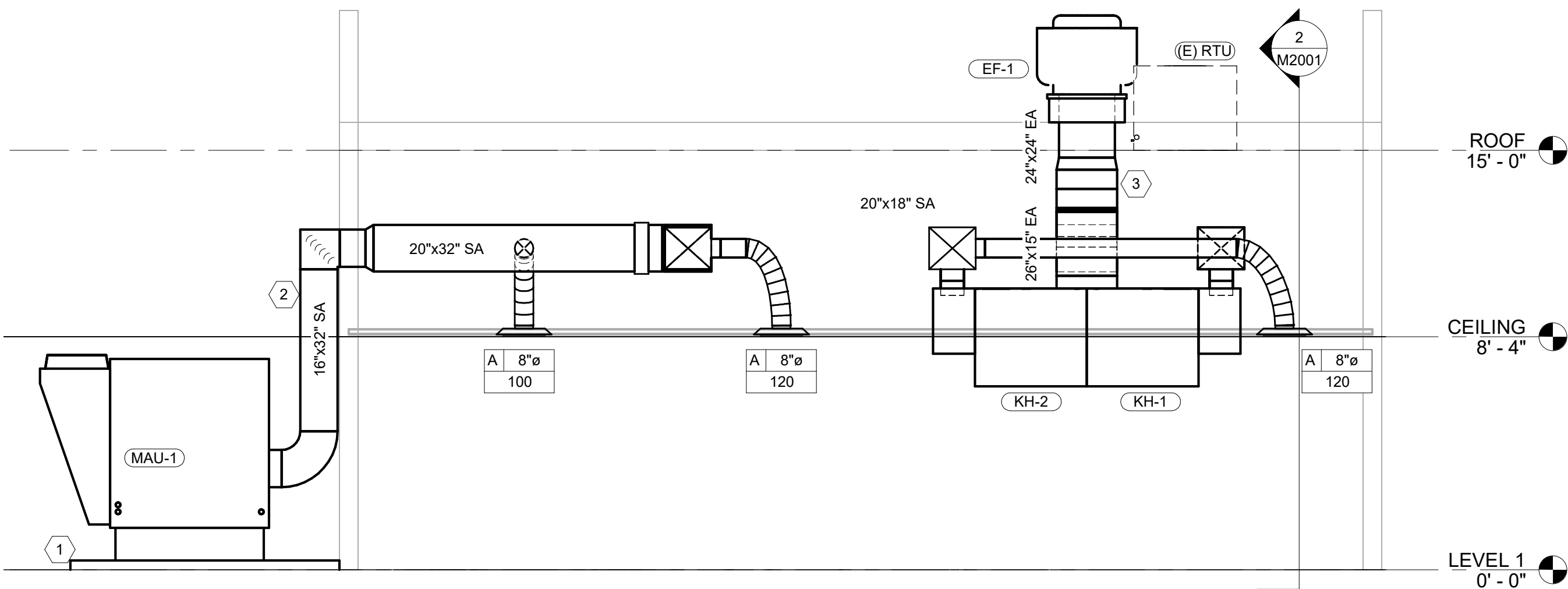
# 4 KITCHEN AND LUNCHROOM - MECHANICAL NEW WORK

M2001 1/4" = 1'-0"  
NORTH



## 2 KITCHEN HOOD SECTION 1

M2001 NOT TO SCALE



## 3 KITCHEN HOOD SECTION 2

M2001 NOT TO SCALE

### GENERAL NOTES:

(THIS SHEET ONLY)

1. COORDINATE ALL EQUIPMENT INSTALLATION FINAL LOCATIONS TO ALLOW FOR SUFFICIENT MAINTENANCE ACCESS.

### KEYNOTES:

(THIS SHEET ONLY)

- POURED-IN-PLACE CONCRETE EQUIPMENT PAD, SIZED TO EXTEND TO EXTERIOR WALL AND 4" LARGER THAN FOOTPRINT OF EQUIPMENT. INCLUDE FLEX JOINT BETWEEN UNIT AND BUILDING. MECHANICAL EQUIPMENT INSTALLED WITH CLEARANCES PER MANUFACTURER'S IOM. REFER TO DETAIL # 2/M0001.
- DUCTWORK ROUTED EXPOSED FROM SIDE DISCHARGE OF UNIT. INSULATE SUPPLY DUCT WITH 2" RIGID BOARD INSULATION EQUAL TO JOHNS MANVILLE XSPCT ISOFOAM AFF BOARD. PROVIDE FIELD INSTALLED JACKET EQUAL TO VENTURECLAD, ALUMINUM EMBOSSED, ON ALL EXPOSED DUCTWORK. DUCT MASTIC SEAL ALL JOINTS PER SPECIFICATION BEFORE INSULATING. CONNECTIONS TO UNITS SHALL BE MADE WITH WEATHERPROOF FLEXIBLE CONNECTIONS. DUCT PENETRATION AT WALL PER ARCHITECTURAL SPECIFICATIONS AND DETAILS, FOR FLASHING, WALL FINISH AND WEATHERPROOFING.
- STAINLESS STEEL WELDED WITH 3M FIRE BARRIER DUCT WRAP ON EXHAUST DUCT UP TO EF-1.

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DRAWN: JKE

CHECKED: SAP

REVISIONS:

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PROJECT STATUS

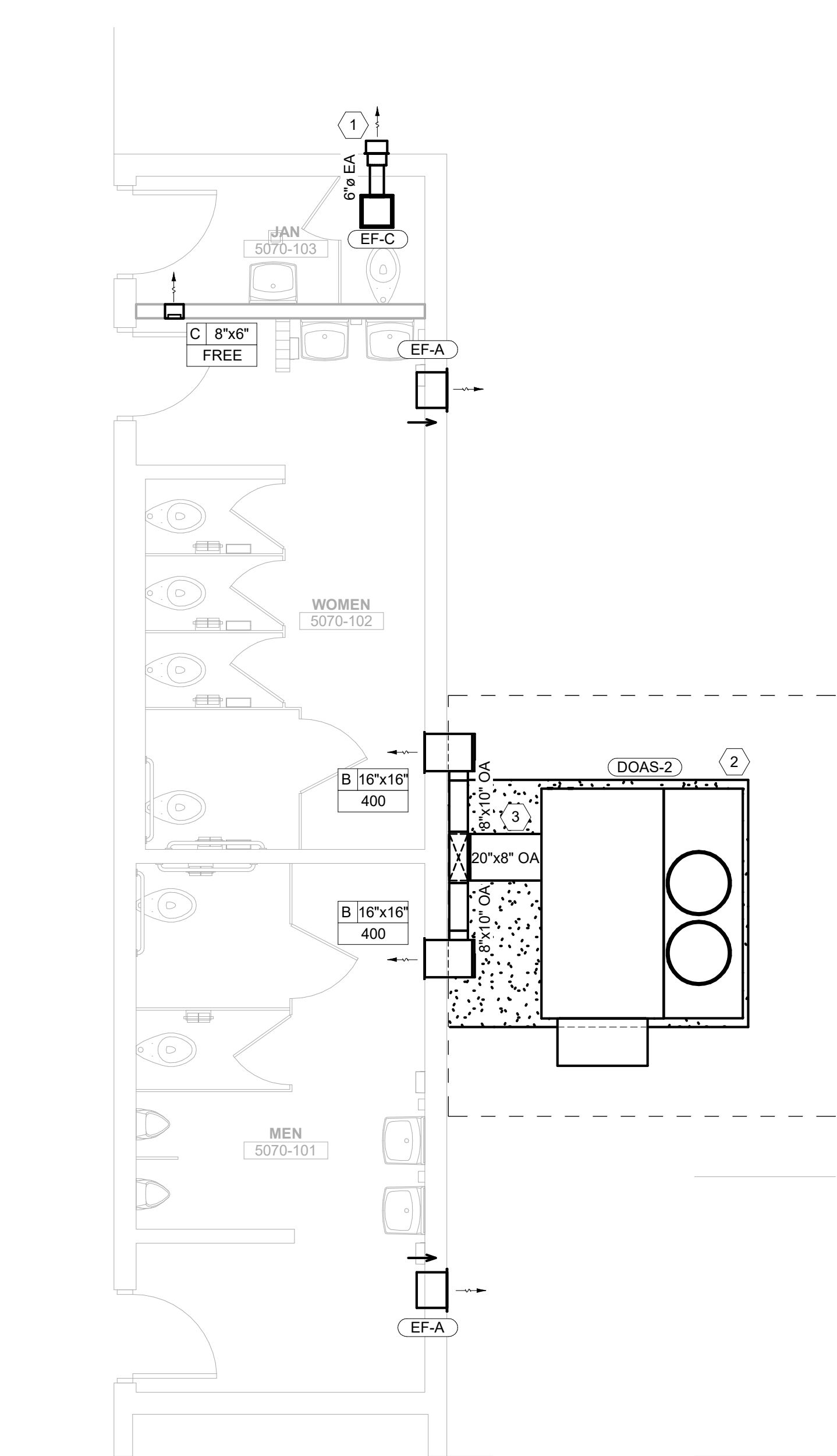
M2001

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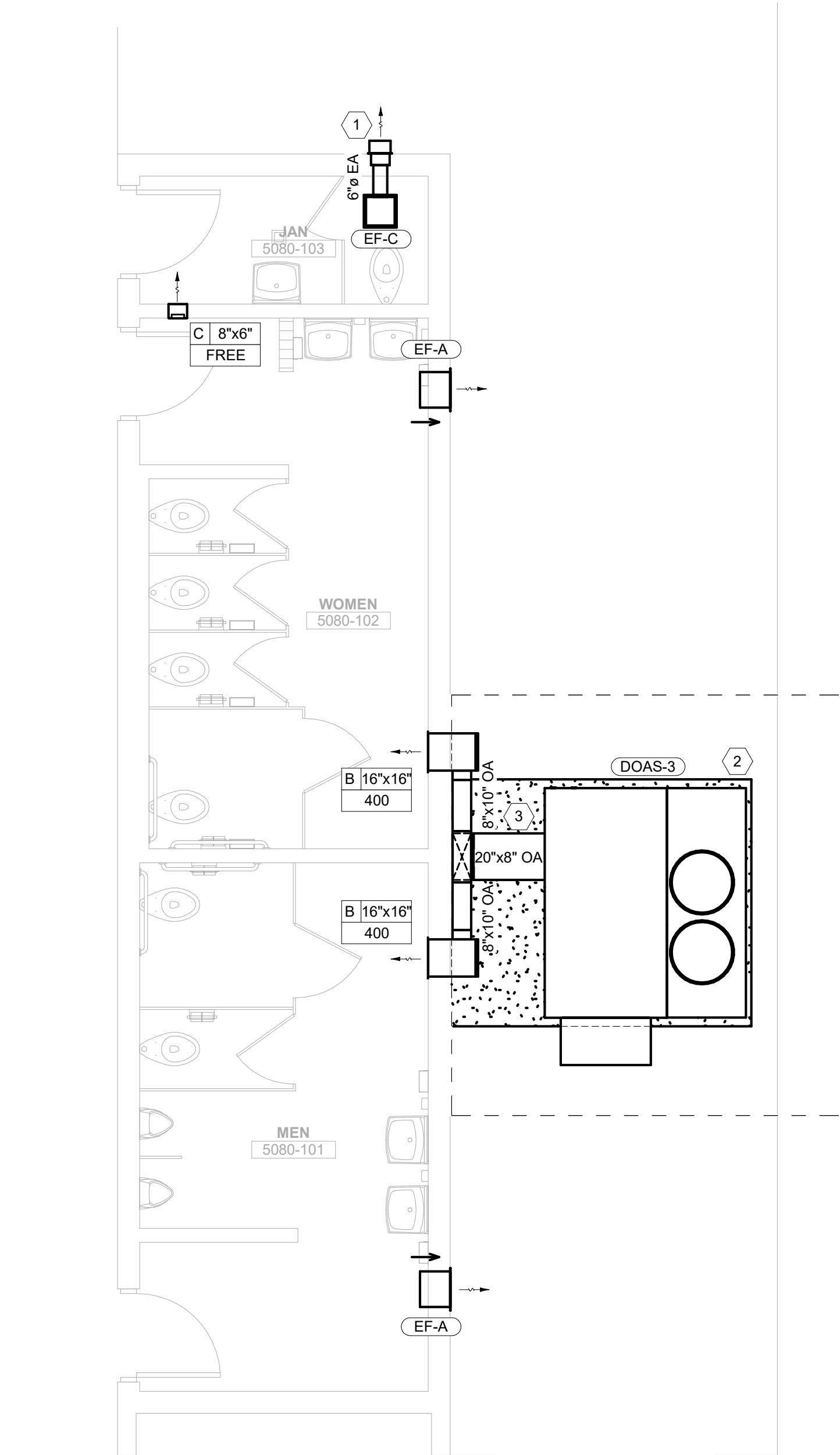
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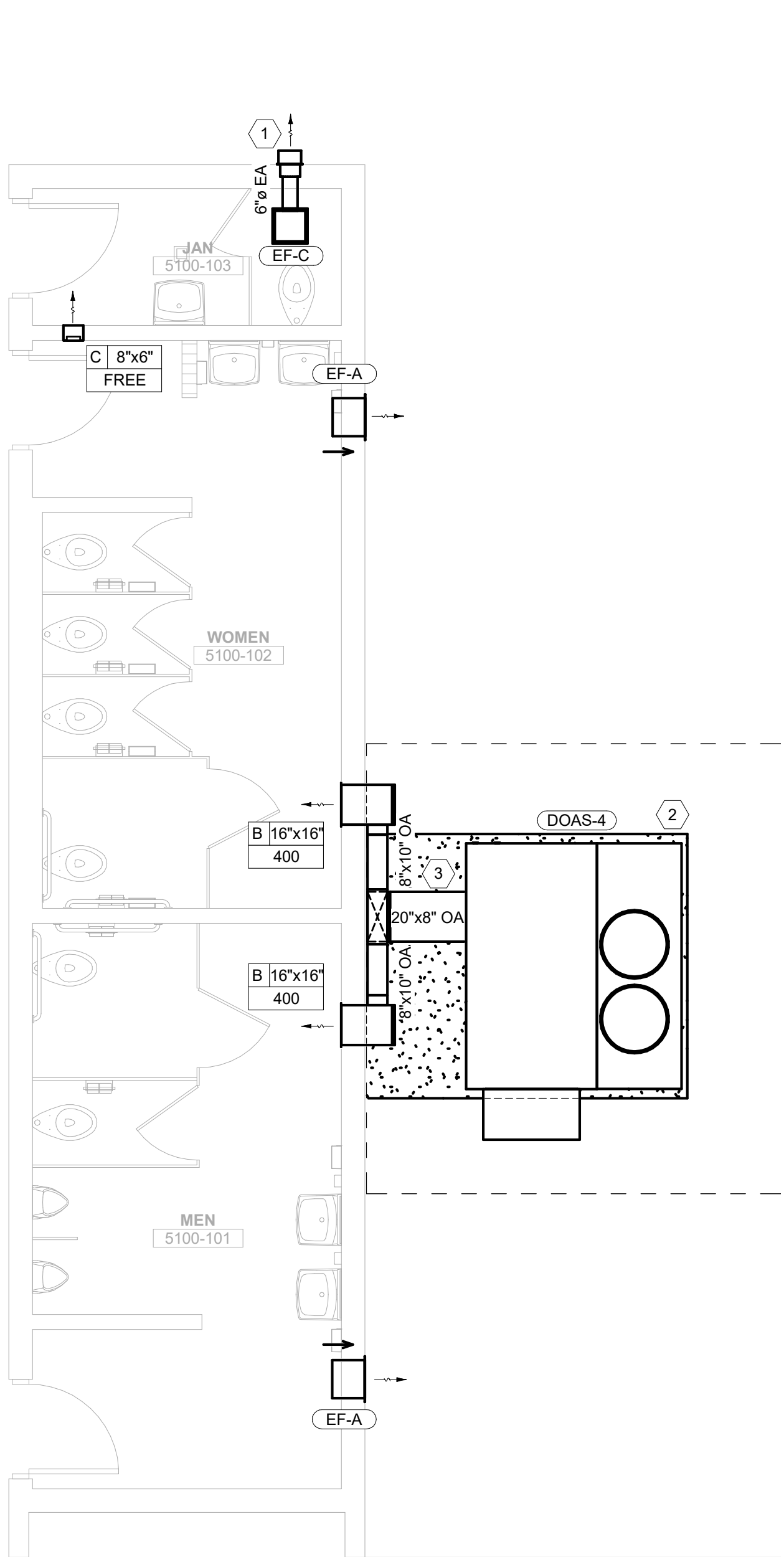
1 TOILET PLAN - MECHANICAL NEW WORK

M2002 1/4" = 1'-0"



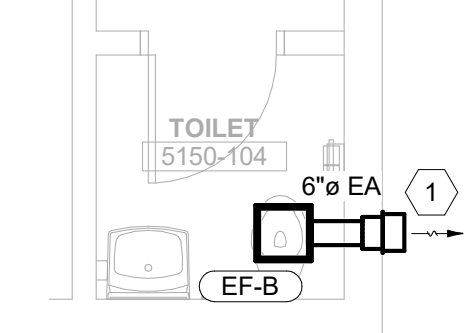
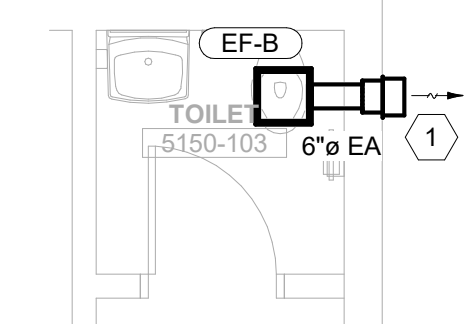
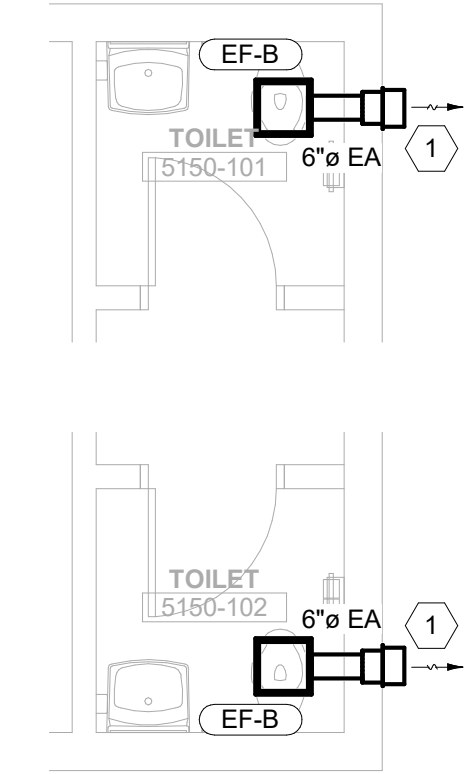
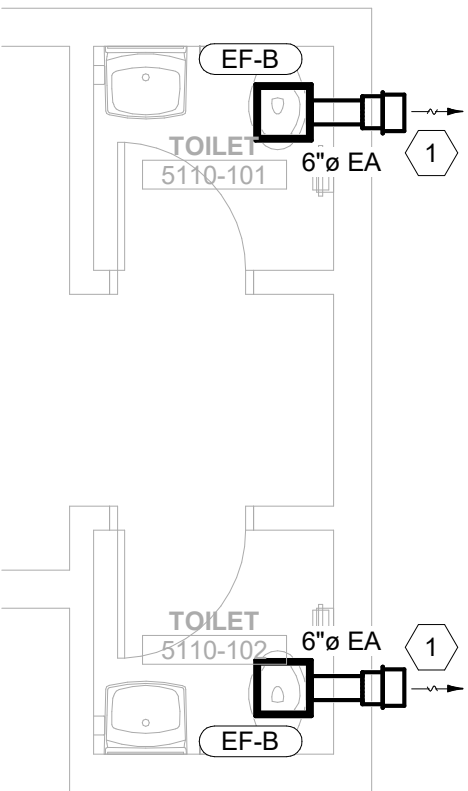
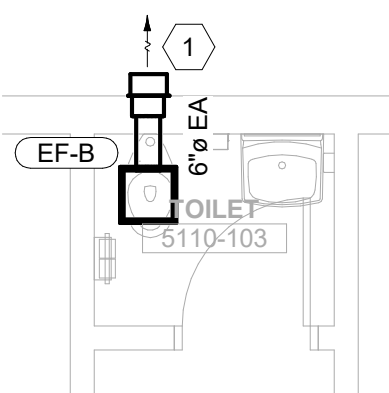
2 TOILET PLAN - MECHANICAL NEW WORK

M2002 1/4" = 1'-0"



3 TOILET PLAN - MECHANICAL NEW WORK

M2002 1/4" = 1'-0"



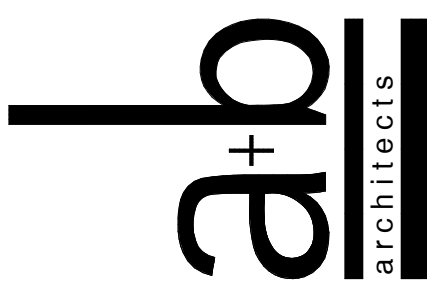
GENERAL NOTES: (THIS SHEET ONLY)

1. COORDINATE ALL EQUIPMENT INSTALLATION FINAL LOCATIONS TO ALLOW FOR SUFFICIENT MAINTENANCE ACCESS.

KEYNOTES: (THIS SHEET ONLY)

- (1) TERMINATE EXHAUST WITH HOODED WALL CAP WITH BIRDSCREEN AND BACKDRAFT DAMPER EQUAL TO GREENHECK WC
- (2) POURED-IN-PLACE CONCRETE EQUIPMENT PAD, SIZED TO EXTEND TO EXTERIOR WALL AND 4" LARGER THAN FOOTPRINT OF EQUIPMENT. INCLUDE FLEX JOINT BETWEEN UNIT AND BUILDING. MECHANICAL EQUIPMENT INSTALLED WITH CLEARANCES PER MANUFACTURER'S IOM. REFER TO DETAIL # 2/M0001.
- (3) DUCTWORK ROUTED EXPOSED FROM SIDE DISCHARGE OF UNIT. INSULATE SUPPLY DUCT WITH 2" RIGID BOARD INSULATION EQUAL TO JOHNS MANVILLE XSPCT ISOFOAM AFF BOARD. PROVIDE FIELD INSTALLED JACKET EQUAL TO VENTURECLAD, ALUMINUM EMBOSSED, ON ALL EXPOSED DUCTWORK. DUCT MASTIC SEAL ALL JOINTS PER SPECIFICATION BEFORE INSULATING. CONNECTIONS TO UNITS SHALL BE MADE WITH WEATHERPROOF FLEXIBLE CONNECTIONS. DUCT PENETRATION AT WALL PER ARCHITECTURAL SPECIFICATIONS AND DETAILS, FOR FLASHING, WALL FINISH AND WEATHERPROOFING. CONTRACTOR TO VERIFY EXISTING WALL PENETRATIONS BEFORE PURCHASING NEW DUCT AND GRILLES.

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PROJECT STATUS

M2002

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PROJECT NO: 19037

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Mechanical Engineer  
4031 W. Lakeview  
Atlanta, Georgia 30305  
(770) 774-1200  
www.ingconsulting.com





GENERAL PLUMBING NOTES	
1.	THE PLUMBING CONTRACTOR SHALL COORDINATE ALL PLUMBING WORK WITH ALL TRADES INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL, ELECTRICAL, HVAC, SPRINKLER AND STRUCTURAL. REFER TO OTHER TRADE DEMOLITION SHEETS AND REMOVE OR RELOCATE ALL EXISTING PLUMBING, SHOWN OR NOT, NECESSARY TO ALLOW FOR NEW WORK. THE CONTRACTOR SHALL PROVIDE ALL DEMOLITION NECESSARY TO PROPERLY ALLOW FOR NEW WORK.
2.	INFORMATION DEPICTED ON THESE SHEETS REFLECTS ONSITE OBSERVATIONS. WORK DEPICTED IS TO CONVEY THE GENERAL NATURE AND SCOPE OF THE WORK REQUIRED. ANY MATERIAL, WORK OR INCIDENTAL ACCESSORIES ASSOCIATED WITH THE SCOPE OF WORK SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
3.	REMOVE ALL EXISTING PIPING SYSTEMS THAT WILL NOT BE REQUIRED TO SUPPORT NEW WORK AND EXISTING SYSTEMS TO REMAIN. PROTECT ALL SYSTEMS TO REMAIN DURING THE PROCESS OF CONSTRUCTION.
4.	CONTRACTOR SHALL SURVEY EXISTING PLUMBING AND INCLUDE A \$1,500 CONSTRUCTION ALLOWANCE TO REPLACE EXISTING DAMAGED PORTIONS OF INSULATION WITH INSULATION MEETING THE PLUMBING SPECIFICATIONS.
5.	ALL OPENINGS THRU FIRE RATED WALLS OR FLOORS SHALL BE SEALED WITH AN APPROVED FIREPROOFING MATERIAL TO MAINTAIN THE INTEGRITY OF THE WALL OR FLOORS.
6.	UNIONS SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIR.
7.	ALL PIPING OF DISSIMILAR MATERIAL SHALL HAVE DIELECTRIC FITTING INSTALLED AT JOINT.
8.	THE CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORTS FOR EXISTING PIPING SYSTEMS TO REMAIN PER SPECIFICATIONS THAT ARE AFFECTED BY DEMOLITION.
9.	ALL MATERIAL AND EQUIPMENT IN A USABLE CONDITION SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
10.	CONTRACTOR SHALL VERIFY EXISTING ROUGH-IN AVAILABLE FOR NEW FIXTURES AND ADJUST FIXTURE SUBMITTAL AS REQUIRED FOR EXISTING CONDITIONS FOR ARCHITECTURAL ENGINEERING REVIEW.
11.	MANUFACTURER'S AND MODEL NUMBERS SHOWN IN FIXTURE SCHEDULE ARE MINIMUM EQUIPMENT / FIXTURE REQUIREMENTS AND ARE THE BASIS OF DESIGN. CONTRACTOR SHALL REFERENCE SPECIFICATIONS FOR ADDITIONAL ACCEPTABLE MANUFACTURERS. PRODUCTS FROM OTHER LISTED MANUFACTURERS MUST MEET THE BASIS OF DESIGN. ALL EQUIPMENT AND INSTALL SHALL MEET PROJECT ISSUE DATE STATE'S ADOPTED IBC, IMC, IPC, NEC, IFGC, IECC AND ASHRAE 90.1.
12.	SEE ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS. [ALL ACCESSIBLE FIXTURES SHALL COMPLY W/ AMERICAN DISABILITY ACT LATEST REVISION AS PUBLISHED BY DEPARTMENT OF JUSTICE ACCESS BOARD AND AMENDED BY THE STATE OF GEORGIA. NON ACCESSIBLE FIXTURES SHALL COMPLY WITH ARCHITECTURAL DRAWINGS AND MANUFACTURER RECOMMENDED INSTALLATION HEIGHTS. COORDINATE SINK DEPTH WITH FINAL MILL/WORK DRAWINGS AND ADJUST SINK DRAIN OR DEPTH TO ACCOMMODATE.
13.	ALL FIXTURES SHALL BE WHITE IN COLOR. FLUSHING LEVERS SHALL BE MOUNTED TO WIDE SIDE OF TOILET.

PLUMBING FIXTURE SCHEDULE								
TYPE MARK	FIXTURE	TYPE	ADA HGT & MOUNTING REQ'D	SANITARY BELOW SLAB   ABOVE SLAB	VENT	CW	HW	FIXTURE DESCRIPTION
P-1	TOILET - FLUSH VALVE	F.M.	NO	3"	2"	1-1/4"	-	AMERICAN STANDARD #3043.011 W/ BEMIS #2155SSCT TOILET SEAT AND SLOAN ROYAL #111-128-SG
P-1A	TOILET - ADA FLUSH VALVE	F.M.	YES	3"	2"	1-1/4"	-	AMERICAN STANDARD #3043.001 W/ BEMIS #2155SSCT TOILET SEAT AND SLOAN ROYAL #111-128-SG
P-2A	URINAL - ADA	W.M.	YES	2"	2"	3/4"	-	AMERICAN STANDARD #6042.453 W/ SLOAN #196-0.5-SG FLUSH VALVE. J.R. SMITH #0617 WALL CARRIER W/ BEARING PLATE
P-3	LAVATORY	W.M.	NO	2"   1-1/2"	2"	1/2"	-	AMERICAN STANDARD REGALYN #4869.004 W/ #6114.116.002 FAUCET, C.P. CAST BRASS 17GA GRID DRAIN, TRAP WITH CLEANOUT, 1/4-TURN C.P. ANGLE STOPS WITH RIGID C.P. BRASS TUBE SUPPLIES. TRUEBRO #102W-EZ TRAP WRAP PROTECTION
P-3A	LAVATORY	W.M.	YES	2"   1-1/2"	2"	1/2"	-	AMERICAN STANDARD REGALYN #4869.004 W/ #6114.116.002 FAUCET, C.P. CAST BRASS 17GA OFFSET GRID DRAIN, TRAP WITH CLEANOUT, 1/4-TURN C.P. ANGLE STOPS WITH RIGID C.P. BRASS TUBE SUPPLIES. TRUEBRO #103W-EZ TRAP WRAP PROTECTION
P-4	LAUNDRY LAVATORY	W.M.	NO	2"   1-1/2"	2"	1/2"	1/2"	AMERICAN STANDARD REGALYN #4869.004 W/ #6114.116.002 FAUCET, C.P. CAST BRASS 17GA GRID DRAIN, TRAP WITH CLEANOUT, 1/4-TURN C.P. ANGLE STOPS WITH RIGID C.P. BRASS TUBE SUPPLIES. TRUEBRO #102W-EZ TRAP WRAP PROTECTION
P-5A	HAND WASH SINK	W.M.	YES	2"   1-1/2"	2"	1/2"	1/2"	ADVANCE TABCO #7-PS-B1 HANDWASH STATION WITH TOWEL DISPENSER AND SOAP DISPENSER, C.P. CAST BRASS 17GA OFFSET GRID DRAIN & TRAP WITH CLEANOUT, RIGID C.P. BRASS TUBE SUPPLIES, 1/4-TURN C.P. ANGLE STOPS, TRUEBRO #103-EZ
P-CW	CAN WASH FAUCET	W.M.	NO	-	2"	1/2"	1/2"	DELTA #28T9 WALL MOUNTED FAUCET W/ INLINE VACUUM BREAKER & WALL BRACE. CONTRACTOR TO COORDINATE ROUGH-IN W/ EXISTING.
P-CWD	CAN WASH FLOOR DRAIN	F.M.	-	*	-	-	-	J.R. SMITH #2210Y-H-NB WITH SURESEAL TRAP PROTECTION, PROVIDE AND INSTALL PROSET SYSTEMS INC. TRAP GUARD FLOOR DRAIN INSERT, *FIELD VERIFY SIZE REQUIRED
P-FCO-3	FLOOR CLEANOUT	F.M.	-	3"	-	-	-	J.R. SMITH #4052L-PB
P-FCO-4	FLOOR CLEANOUT	F.M.	-	4"	-	-	-	J.R. SMITH #4052L-PB
P-FD-3	FLOOR DRAIN	F.M.	-	3"	-	-	-	J.R. SMITH #2005Y-A-06-PB STRAINER WITH SURESEAL TRAP PROTECTION
P-FD-4	FLOOR DRAIN	F.M.	-	4"	-	-	-	J.R. SMITH #2005Y-A-06-PB STRAINER WITH SURESEAL TRAP PROTECTION
P-FS-4	FLOOR SINK	F.M.	-	4"	-	-	-	SIoux CHIEF #861.4PN W/ SURESEAL TRAP PROTECTION
P-GCO-4	GROUND CLEANOUT	G.M.	-	4"	-	-	-	JR SMITH #4251S W/ TWO-WAY CLEANOUT TEE
P-KFD-4	KITCHEN FLOOR DRAIN	F.M.	-	4"	-	-	-	JR SMITH #9710, STAINLESS STEEL, ROUND MEDIUM DUTY TOP FLOOR DRAIN
P-KFS-4	KITCHEN FLOOR SINK	F.M.	-	4"	-	-	-	JR SMITH #3009-12 W/ SURESEAL TRAP PROTECTION
P-MFD-3	MECHANICAL FLOOR DRAIN	F.M.	-	3"	-	-	-	J.R. SMITH #2210Y-H-NB WITH SURESEAL TRAP PROTECTION
P-ST	STORAGE TANK	F.M.	-	-	-	2"	2"	RHEEM #ST80(A) W/ WATTS #PLT-12 EXPANSION TANK. SEE DETAIL #9/P002

MECHANICAL EQUIPMENT SCHEDULE		
TYPE MARK	FIXTURE	FIXTURE DESCRIPTION
M-RCP-1	CIRCULATION PUMP	BELL & GOSSETT #PL-45, 5GPM @ 15FT HEAD, 115V/1PH
M-CP-1	CIRCULATION PUMP	BELL & GOSSETT #60B0B1005 ECCIRC 20-18 W/ CHECK VALVE, 10GPM 5GPM @ 15FT HEAD, 115V/1PH
M-GI	GREASE INTERCEPTOR	1,500GAL CONCRETE GREASE INTERCEPTOR. SEE DETAIL #10/P002

HAMMER ARRESTOR SCHEDULE			
PDI TYPE MARK	FIXTURE PIPING BRANCH SIZES		FIXTURES
	CW	HW	
A	1/2"	1/2"	P-3A, P-4A, P-CW
A	1/2" & 3/4"	-	P-3, P-2A
B	1-1/4"	-	P-1, P-1A
ROUGH-IN FIXTURE NOTES:			
1. PROVIDE PDI INSTITUTE COMPLIANT SEALED PISTON NO MAINTENANCE TYPE WATER HAMMER ARRESTORS EQUAL TO SIOUX CHIEF OR JR SMITH APPROVED FOR CONCEALED INSTALLATIONS.			
2. PROVIDE ONE HAMMER ARRESTOR FOR EACH BRANCH AT FIXTURE PIPING DROP TO FIXTURE.			

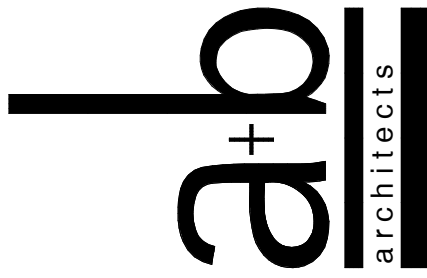
PLUMBING LEGEND	ABBREVIATIONS
⋈ = ⋈V= ⋈ ⋈ VENT	F.M. - FLOOR MOUNT
⋈ = ⋈GV: ⋈ ⋈ GAS VENT	W.M. - WALL MOUNT
⋈S⋈ SANITARY WASTE	R.M. - RECESSED WALL MOUNT
⋈IW⋈ INDIRECT COMBINATION WASTE/VENT	C.M. - COUNTER MOUNT
⋈CWV⋈ COMBINATION WASTE/VENT	C.S. - CARRIER SUPPORTED
⋈CW⋈ DOMESTIC COLD WATER	U.S.M. - UNDER SINK MOUNT
⋈HW⋈ DOMESTIC HOT WATER	G.M. - GROUND MOUNT
⋈HWR⋈ DOM. HOT WATER RETURN	U.G.M. - UNDER GROUND MOUNT
⋈G(5#)⋈ NATURAL GAS (5PSI)	A.C.M. - ABOVE CEILING MOUNT
⋈G⋈ NATURAL GAS (0.5PSI)	A.F.G. - ABOVE FINISHED GRADE
⋈X⋈ DEMO HATCH	A.F.F. - ABOVE FINISHED FLOOR
⋈1/4⋈ 1/4-TURN FULL PORT BALL VALVE	SP-LVL - SPLIT LEVEL
⋈NEW⋈ NEW-EXISTING WORK	U.N.O. - UNLESS OTHERWISE NOTED
⋈#⋈ KEYNOTE	C.P. - CHROME POLISHED
⋈- - ⋈ SLAB SAWCUT LINES	S.I.P. - SIZE INDICATED IN PLAN
⋈---⋈ LIMITS OF CONSTRUCTION	B.T.B. - BACK TO BACK FIXTURE

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P0001

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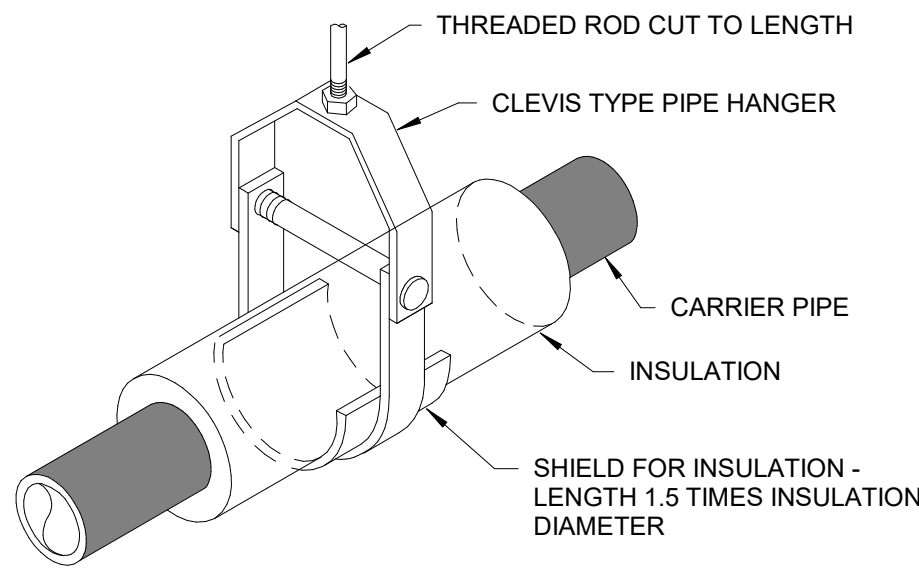


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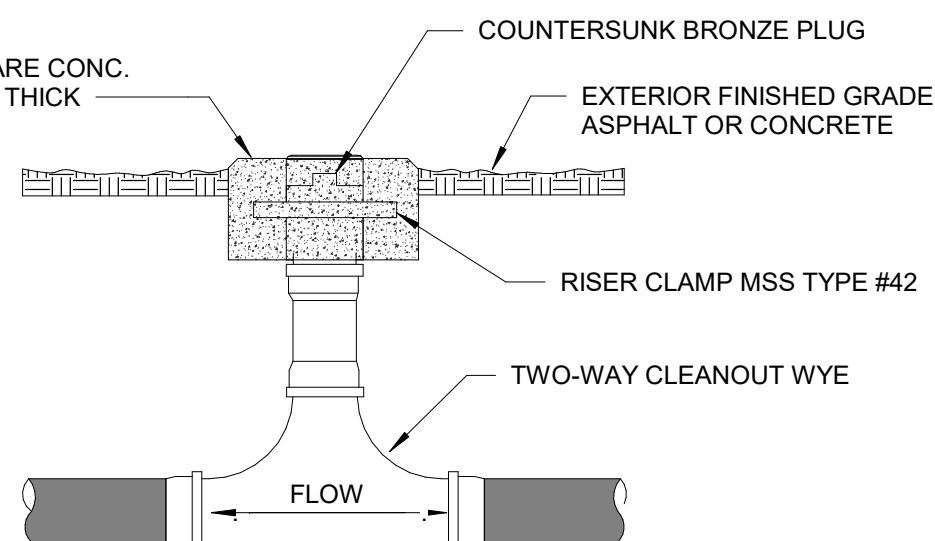






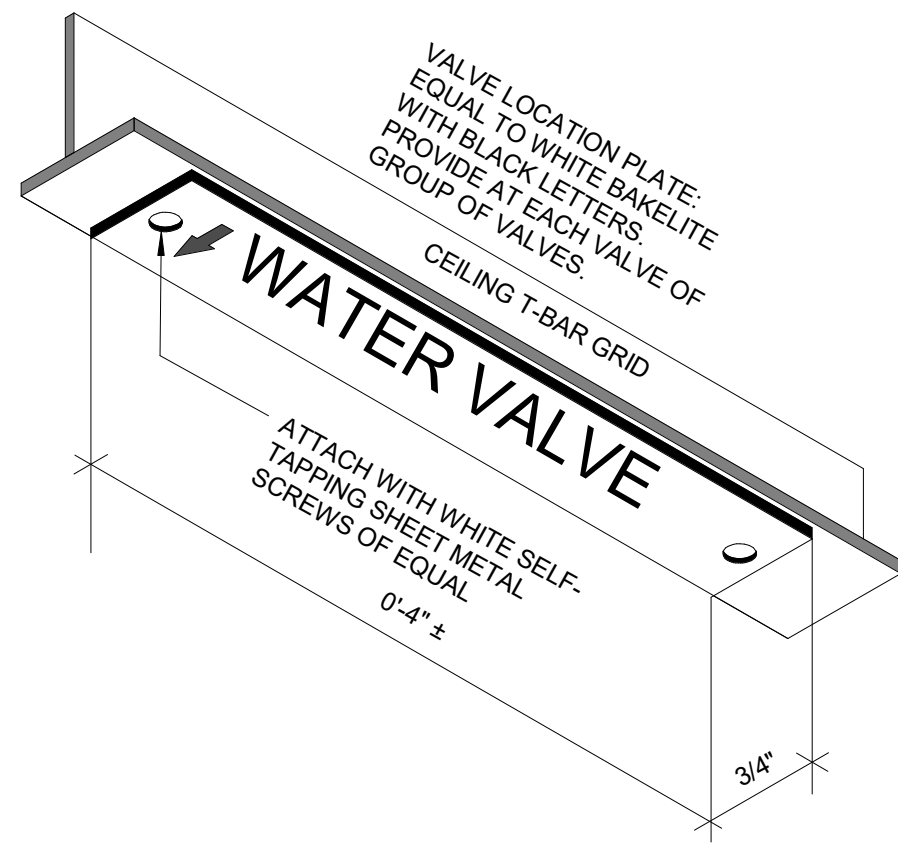
## 1 CLEVIS TYPE PIPE HANGER FOR INSULATED PIPE

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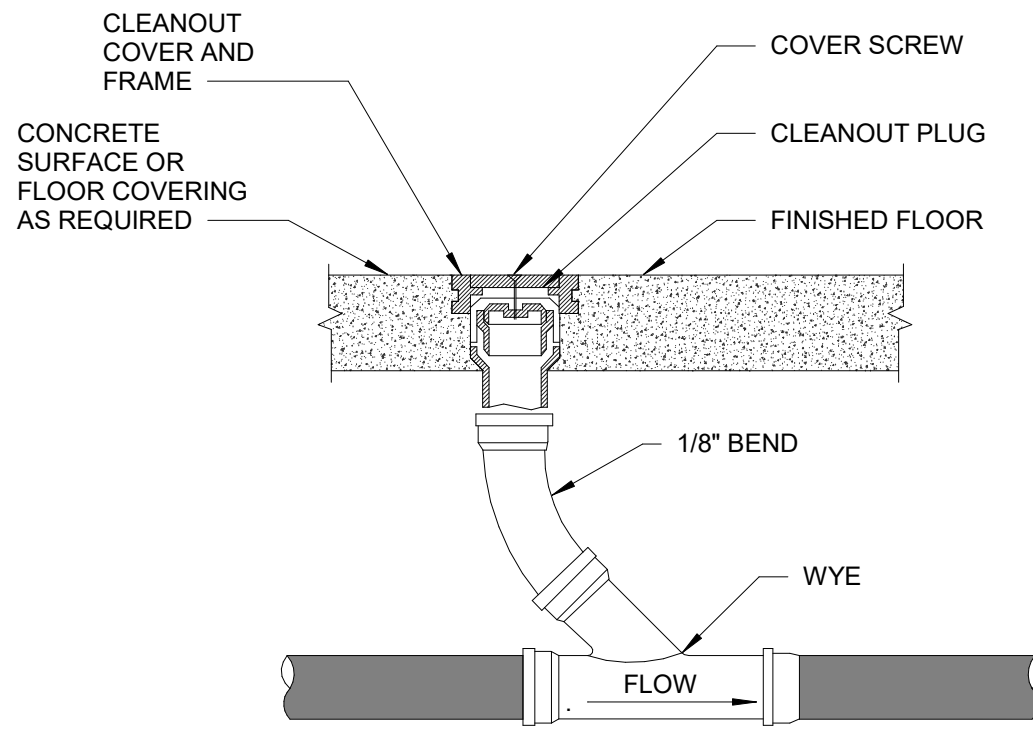
## 2 GROUND CLEANOUT

P0002 NOT TO SCALE



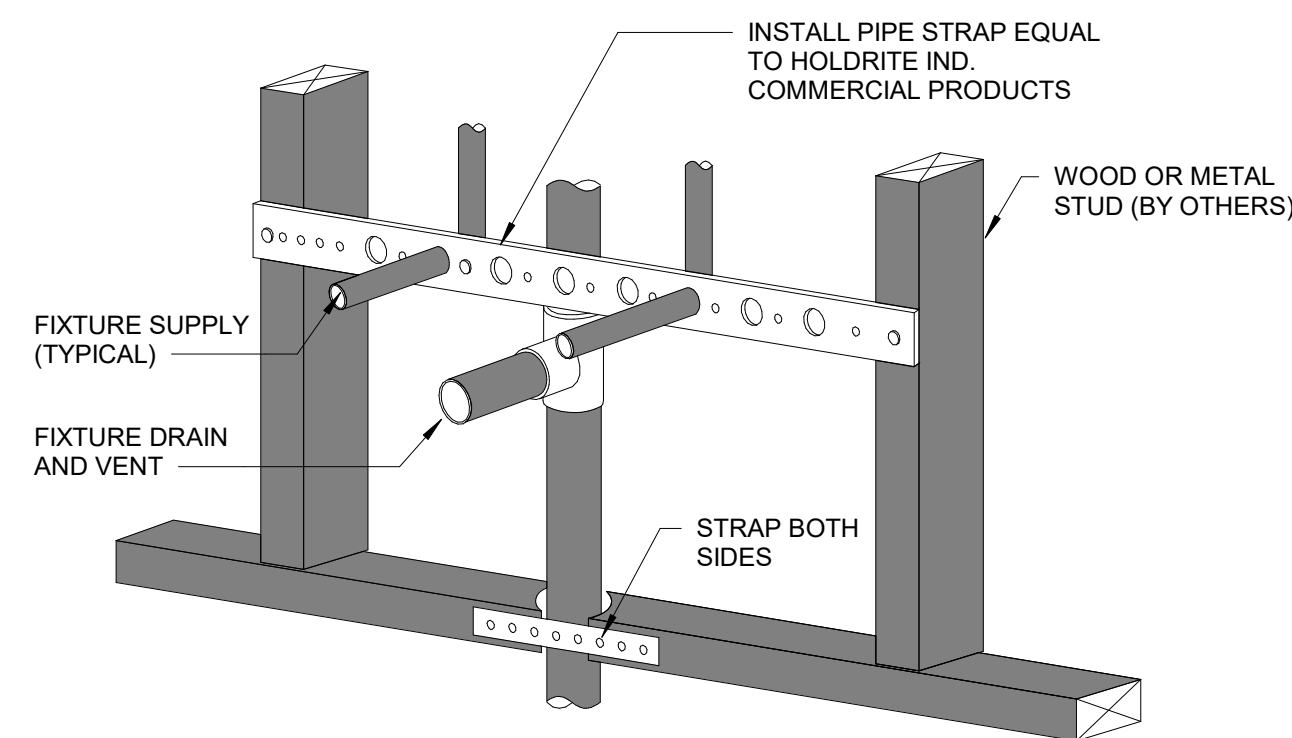
## 3 WATER VALVE LOCATION TAG

P0002 NOT TO SCALE



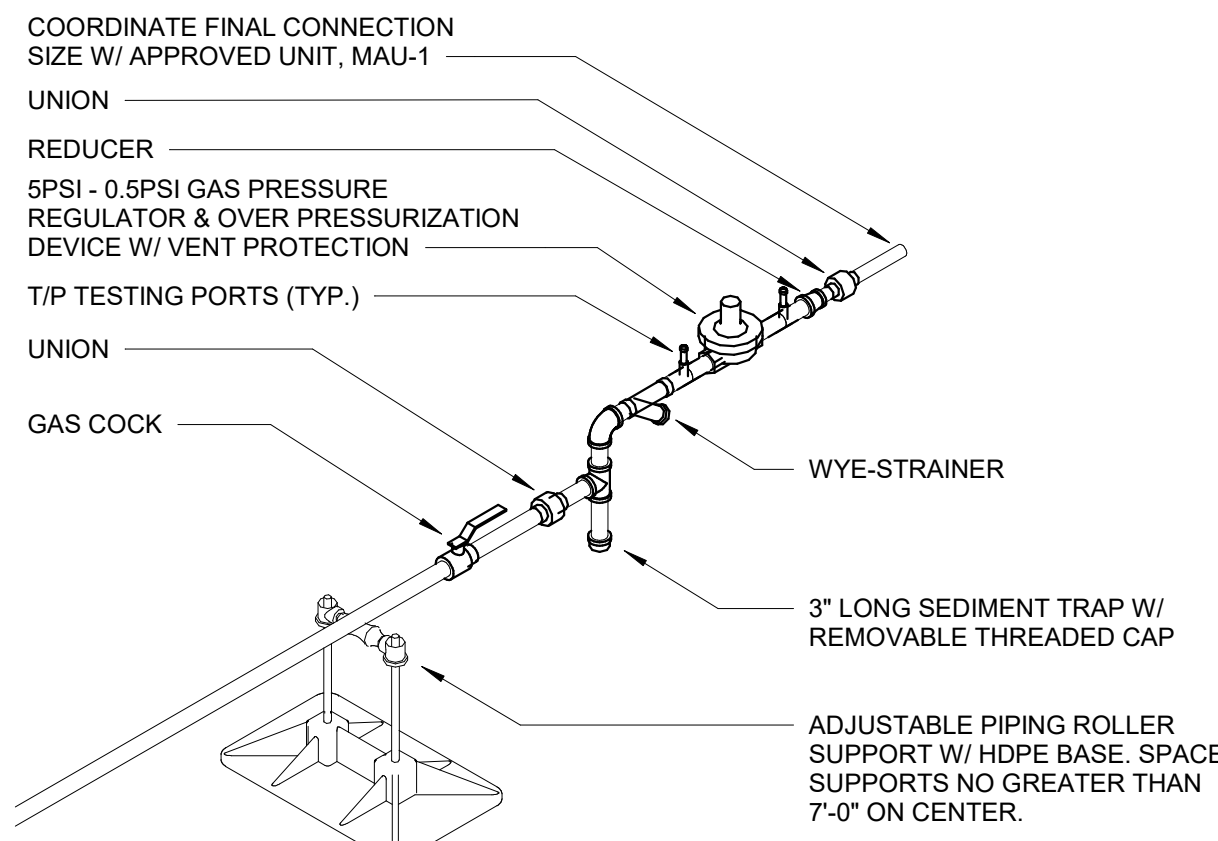
## 4 FLOOR CLEANOUT

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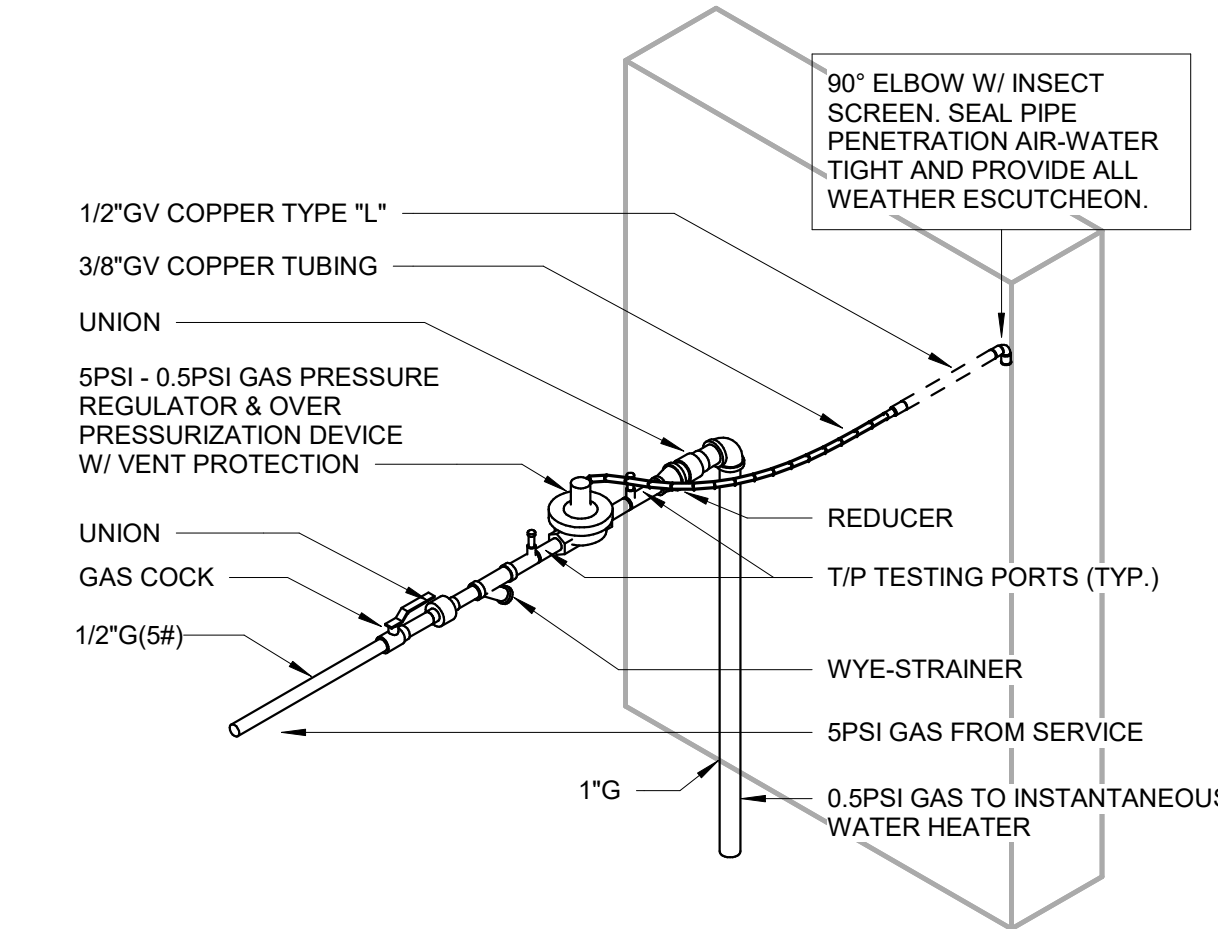
## 5 TYPICAL FIXTURE BRACING

P0002 NOT TO SCALE



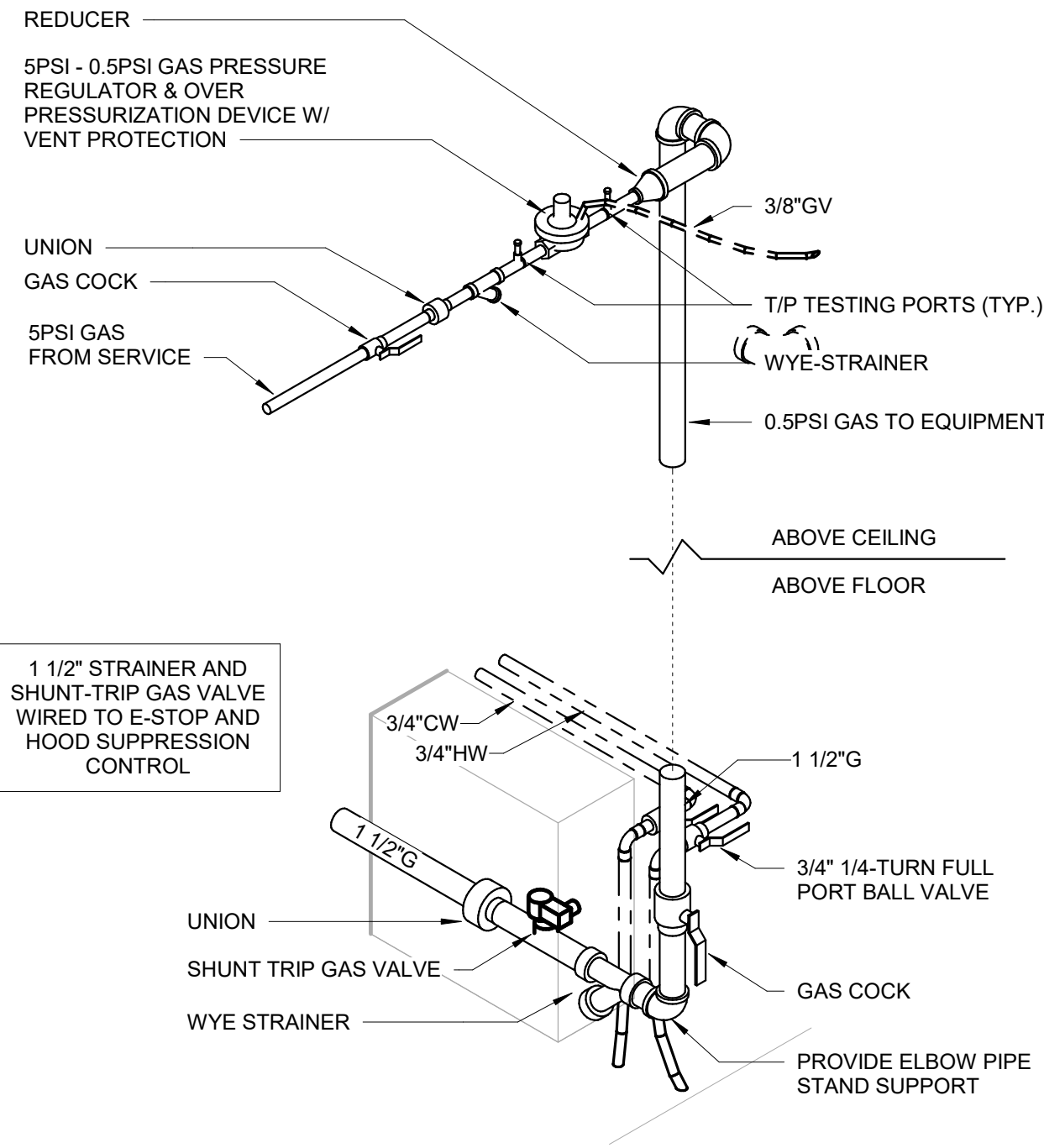
## 6 GAS PIPING EQUIPMENT CONNECTION @ MAU-1

P0002 NOT TO SCALE



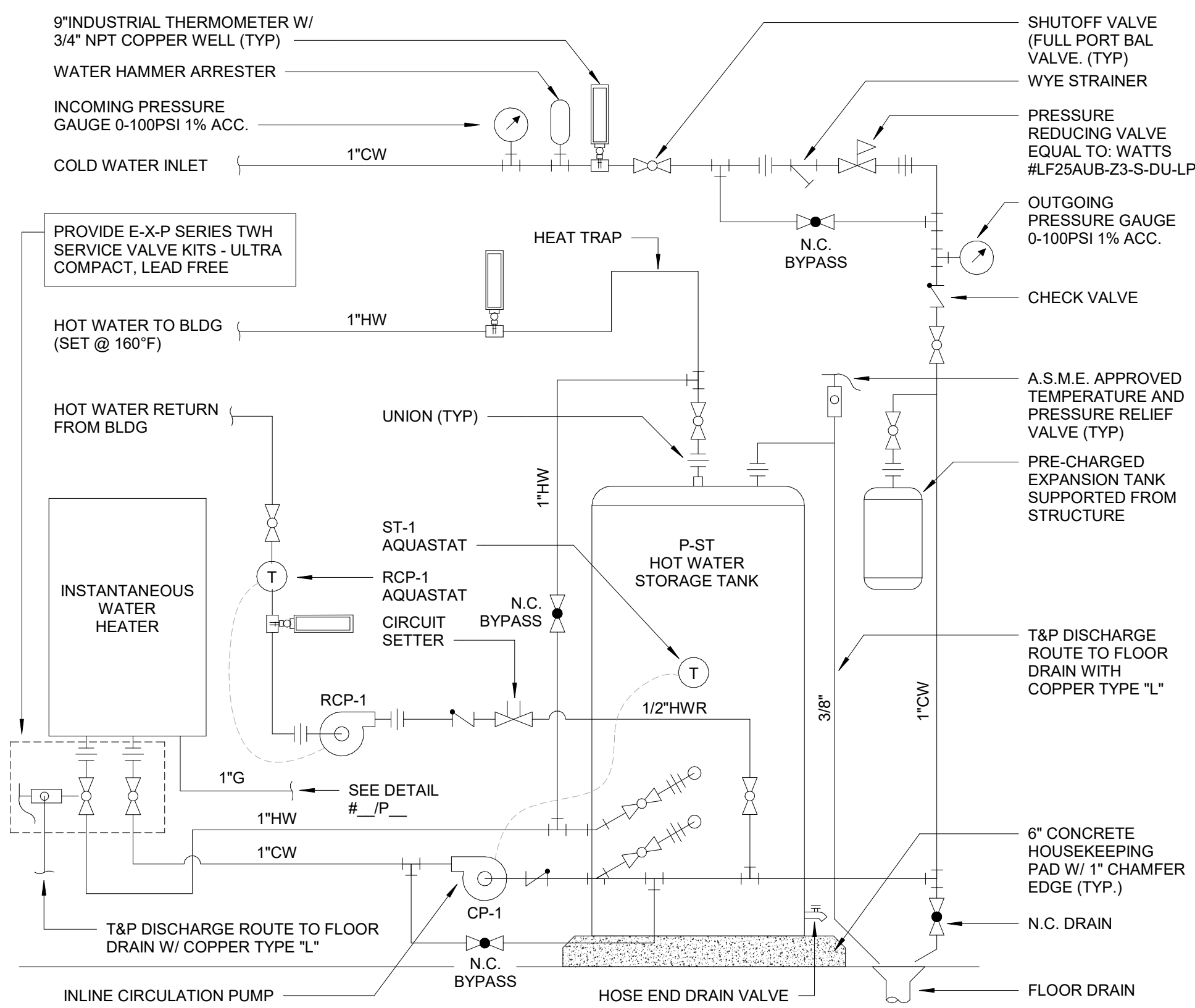
## 7 GAS PIPING ASSEMBLY @ WATER HEATER

P0002 NOT TO SCALE



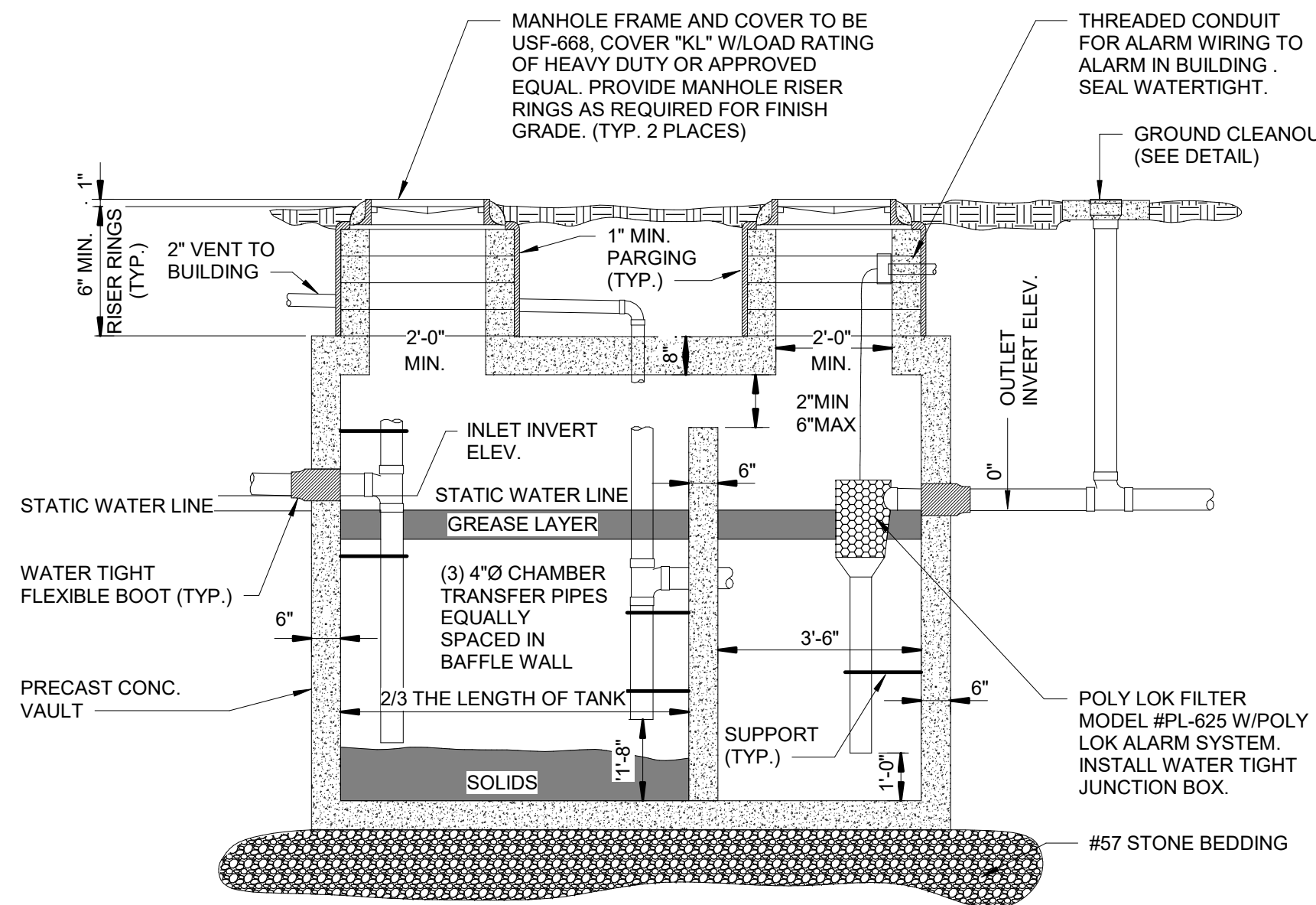
## 8 GAS PIPING ASSEMBLY @ KITCHEN ISLAND

P0002 NOT TO SCALE



## 9 INSTANTANEOUS WATER HEATER & TANK

P0002 NOT TO SCALE



- NOTE**
1. ALL INTERIOR CONCRETE SURFACES TO BE COATED WITH TWO COATS OF SEALANT EQUAL TO CONCEAL #CS-55.
  2. REINFORCING SHALL BE PROVIDED AS REQUIRED FOR TOP, SIDES AND BOTTOM TANK AND MANHOLE ASSEMBLY SHALL BE CERTIFIED AS DESIGNED FOR EARTH PRESSURE, SURCHARGE OR H-20 LOADING.
  3. CONCRETE VAULT SHALL BE PRECAST CONCRETE IN ACCORDANCE WITH ASTM-C-478.

## 10 1,500 GALLON PRECAST GREASE TRAP

P0002 NOT TO SCALE

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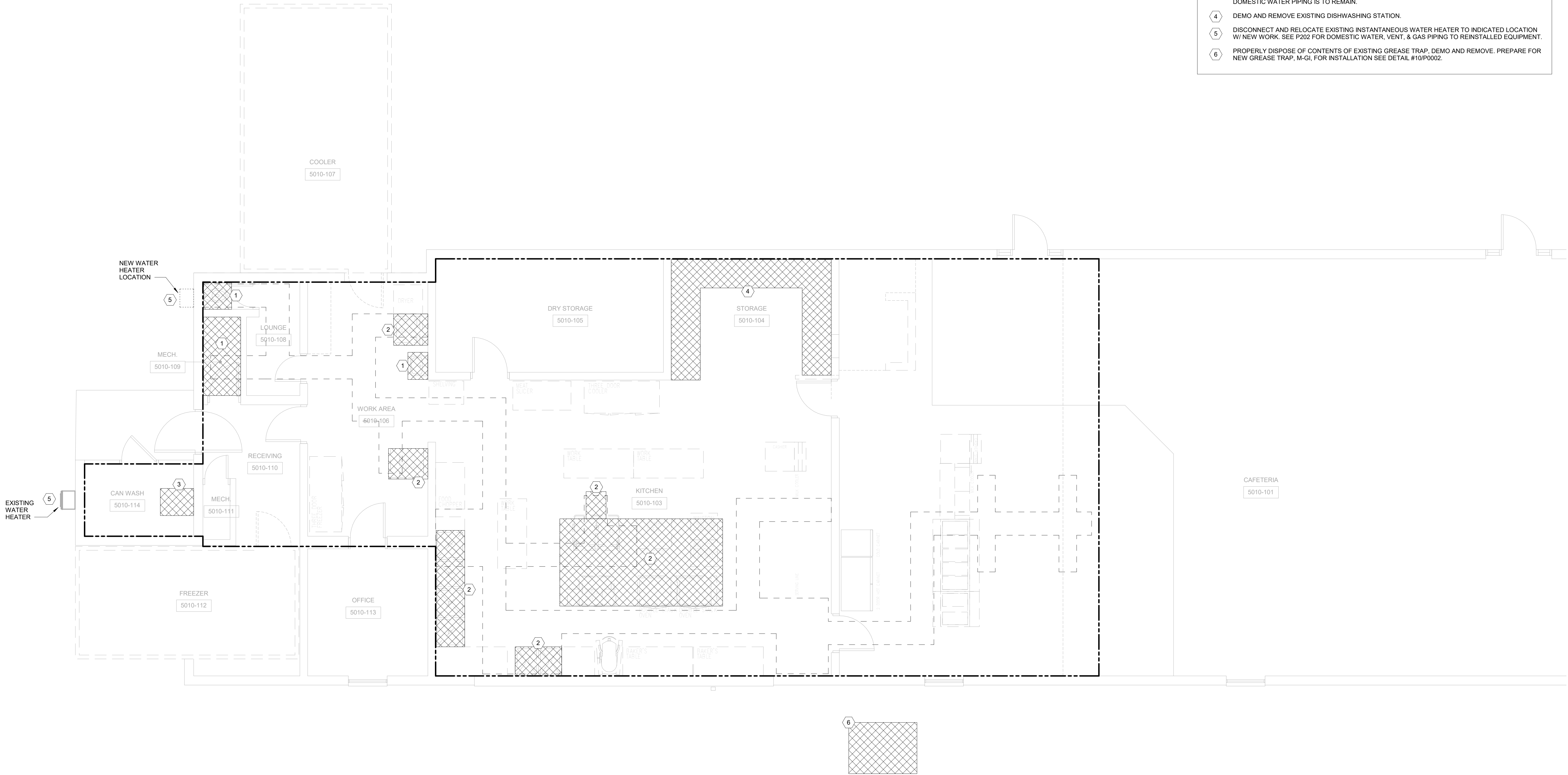
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KITCHEN AND TOILET RENOVATIONS  
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P0002

PROJECT NO: 19037





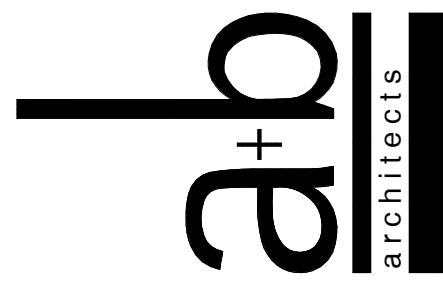


1 KITCHEN - DEMOLITON PLAN

P1001 1/4" = 1'-0"



DEMO GENERAL NOTES		(THIS SHEET ONLY)
1.	DEMO AND REMOVE ALL ABOVE SLAB SANITARY, VENT, DOMESTIC WATER AND CIRCULATION PIPING NO LONGER IN USE WITHIN LIMITS OF CONSTRUCTION. CONTRACTOR TO VERIFY PIPING IS NO LONGER IN USE PRIOR TO DEMOLITION.	LIMITS OF CONSTRUCTION -----
2.	DEMO AND REMOVE UNDERSLAB SANITARY AND VENT PIPING THAT OCCURS WITHIN SAWCUT LIMITS. TERMINATE EXISTING UNDERSLAB PIPING TO REMAIN W/ HEAVY DUTY COUPLING, CAP AND ABANDON IN PLACE.	
3.	SEE ARCHITECTURAL AND OTHER TRADE DEMOLITION SHEETS FOR ADDITIONAL INSTRUCTIONS, WHERE APPLICABLE.	
KEYNOTES		(THIS SHEET ONLY)
①	DEMO AND REMOVE EXISTING PLUMBING FIXTURE, INSTALL NEW FIXTURE, SEE P201 FOR SANITARY & VENT PIPING AND P202 FOR DOMESTIC WATER, GAS & VENT PIPING.	
②	DISCONNECT AND TEMPORARILY RELOCATE EXISTING EQUIPMENT AND/OR PLUMBING FIXTURE(S) TO BE REINSTALLED W/ NEW WORK. SEE P201 FOR SANITARY & VENT PIPING AND P202 FOR DOMESTIC WATER, GAS & VENT PIPING FOR NEW WORK.	
③	DEMO AND REMOVE EXISTING FLOOR DRAIN & WALL MOUNTED FAUCET, INSTALL NEW CAN WASH FLOOR DRAIN, P-CWD, AND CAN WASH FAUCET, P-CW, CONTRACTOR TO VERIFY DRAINAGE ROUTE IS CLEAN AND PROPERLY SLOPED W/ CAMERA AND RECONNECT TO NEW SANITARY SYSTEM IF ANY PORTION OF EXISTING ROUTE HAS BEEN DEMOLISHED, OTHERWISE EXISTING SANITARY AND DOMESTIC WATER PIPING IS TO REMAIN.	
④	DEMO AND REMOVE EXISTING DISHWASHING STATION.	
⑤	DISCONNECT AND RELOCATE EXISTING INSTANTANEOUS WATER HEATER TO INDICATED LOCATION W/ NEW WORK. SEE P202 FOR DOMESTIC WATER, VENT, & GAS PIPING TO REINSTALLED EQUIPMENT.	
⑥	PROPERLY DISPOSE OF CONTENTS OF EXISTING GREASE TRAP, DEMO AND REMOVE. PREPARE FOR NEW GREASE TRAP, M-GI, FOR INSTALLATION SEE DETAIL #10IP0002.	



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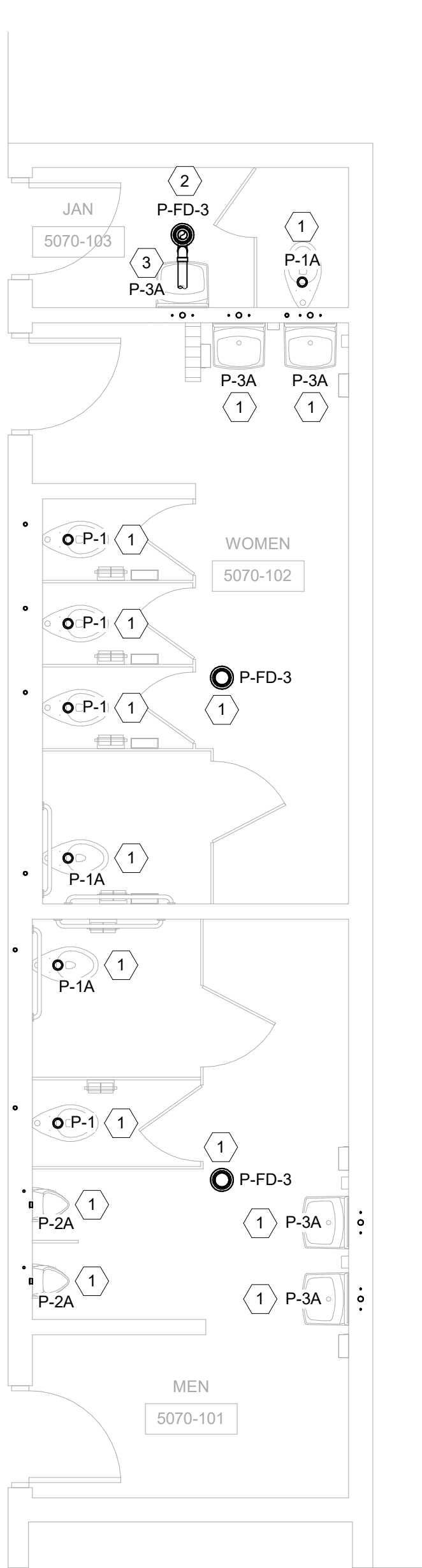
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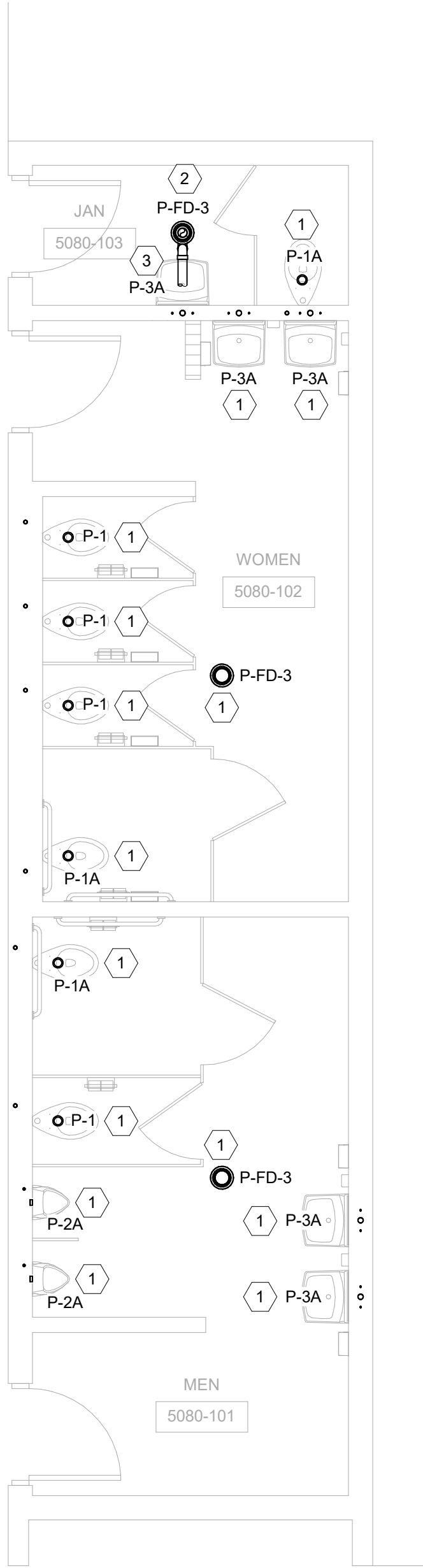
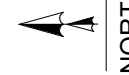
2 TOILET 5070 - DEMO AND NEW WORK

P1002 1/4" = 1'-0"



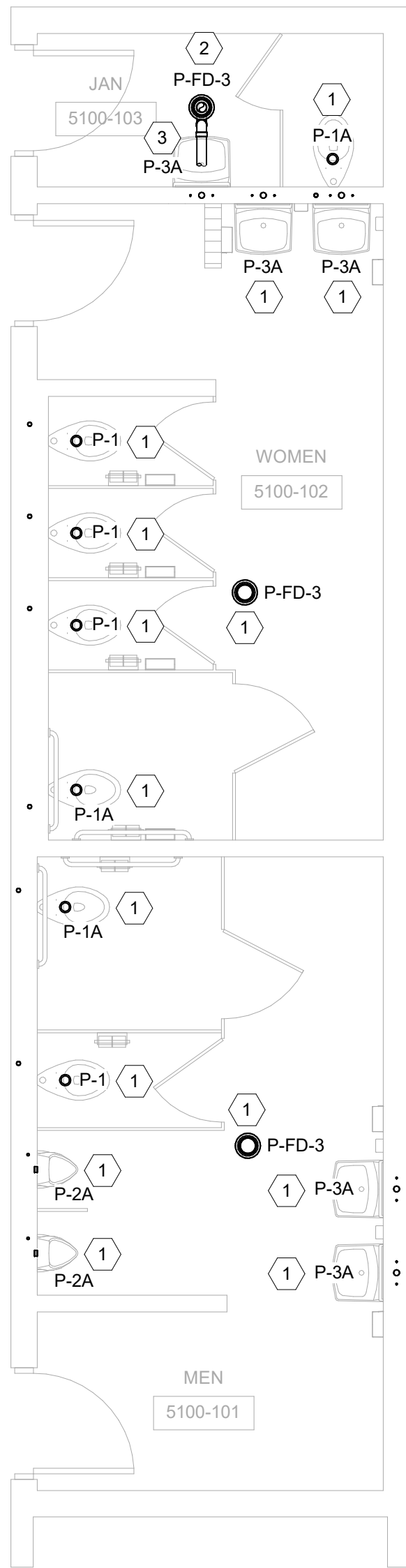
3 TOILET 5080 - DEMO AND NEW WORK

P1002 1/4" = 1'-0"



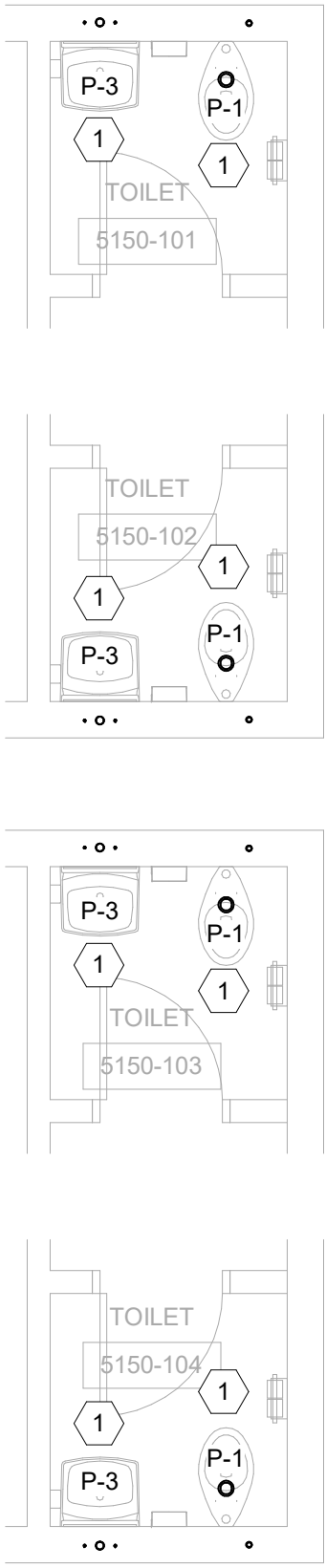
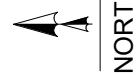
4 TOILET 5100 - DEMO AND NEW WORK

P1002 1/4" = 1'-0"



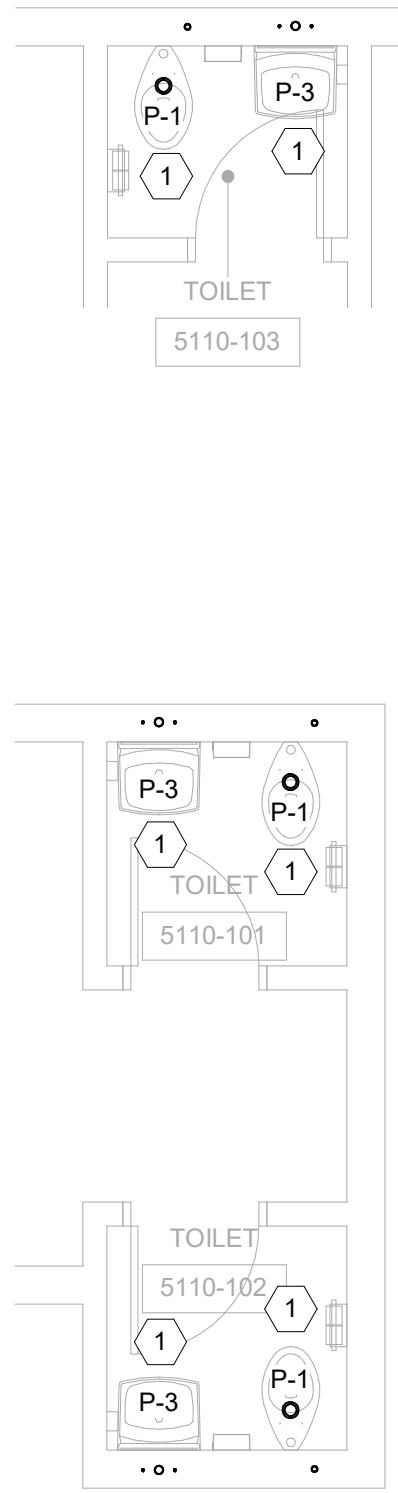
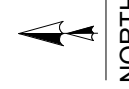
5 TOILET 5150 - DEMO AND NEW WORK

P1002 1/4" = 1'-0"



1 TOILET 5110 - DEMO AND NEW WORK

P1002 1/4" = 1'-0"

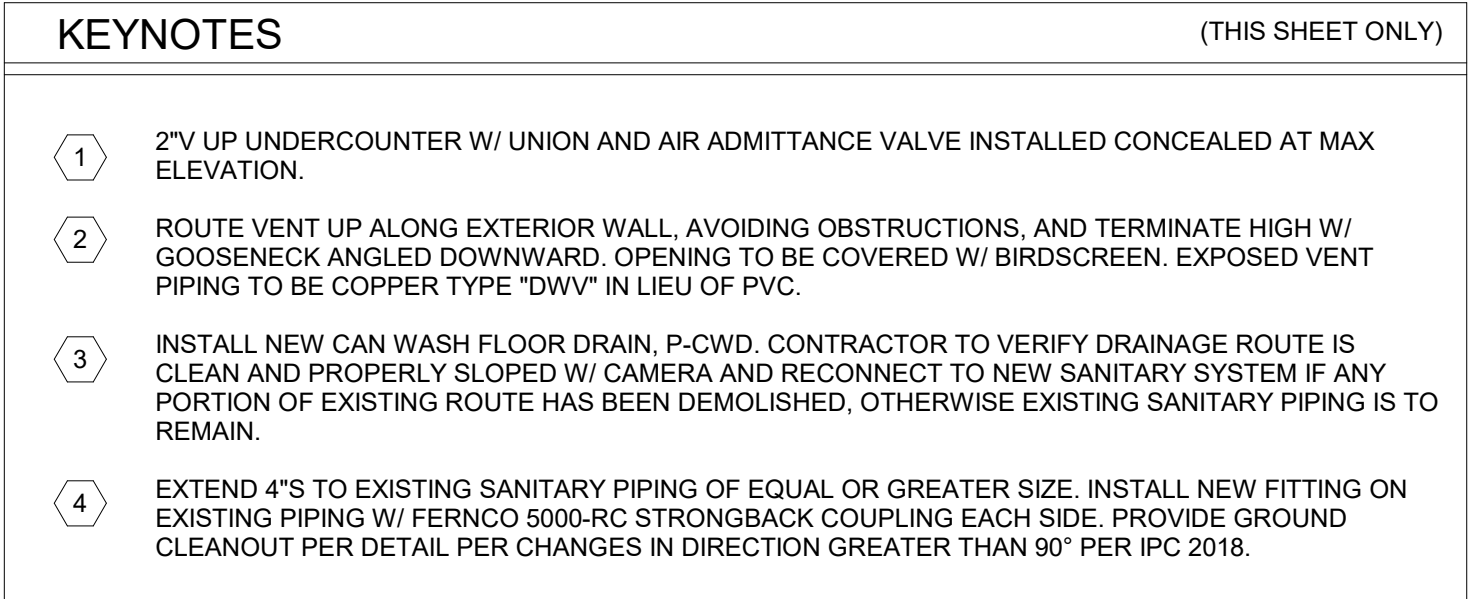



KEYNOTES

(THIS SHEET ONLY)

- 1 DEMO AND REMOVE EXISTING PLUMBING FIXTURE. PREPARE, ADJUST, SUPPLEMENT EXISTING ROUGH-IN FOR NEW FIXTURE INSTALLATION. PROVIDE TOILET REPAIR FLANGE AND NEW OATEY HARVEY, OR EQUAL, WAX RING WITH POLY-FLANGE FOR FLOOR MOUNTED TOILETS. TIE NEW FIXTURE INTO EXISTING ROUGH-IN, DOMESTIC WATER, VENT AND/OR SANITARY PIPING IN WALL OR BELOW SLAB.
- 2 NEW FLOOR DRAIN, P-FD-3. CONTRACTOR TO SURVEY UNDERSLAB AND TIE NEW FIXTURE INTO EXISTING SANITARY PIPING BELOW SLAB OF EQUAL OR GREATER SIZE.
- 3 DEMO AND REMOVE EXISTING LAVATORY FIXTURE. MODIFY EXISTING ROUGH-IN TO ACCOMMODATE NEW FIXTURE ROUGH-IN. ADD SAN TEE TO EXISTING SANITARY IN WALL FOR NEW LAVATORY ROUGH-IN AND ROUTE NEW 1/2" CW & 1/2" HW DOWN IN WALL TO UNDER NEW LAVATORY FIXTURE. TIE INTO EXISTING DOMESTIC WATER, VENT AND SANITARY PIPING IN WALL.



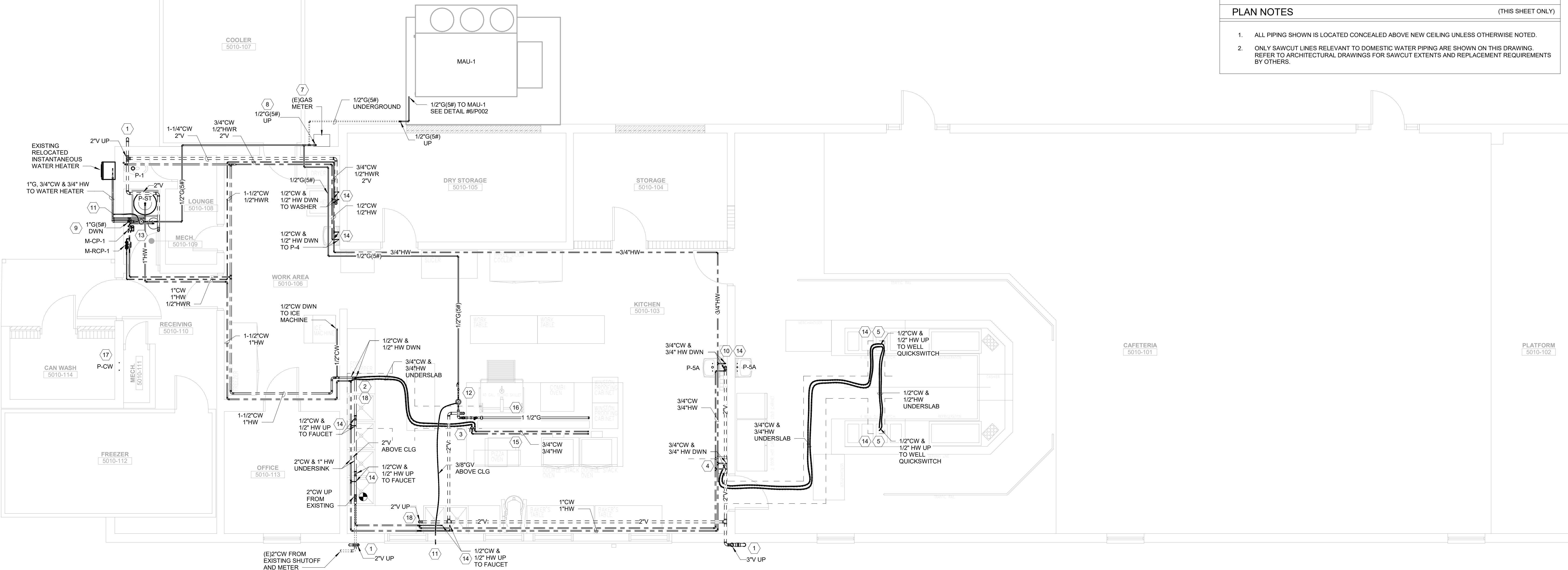
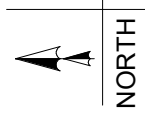


P2001	1/4" = 1'-0"
	NORTH



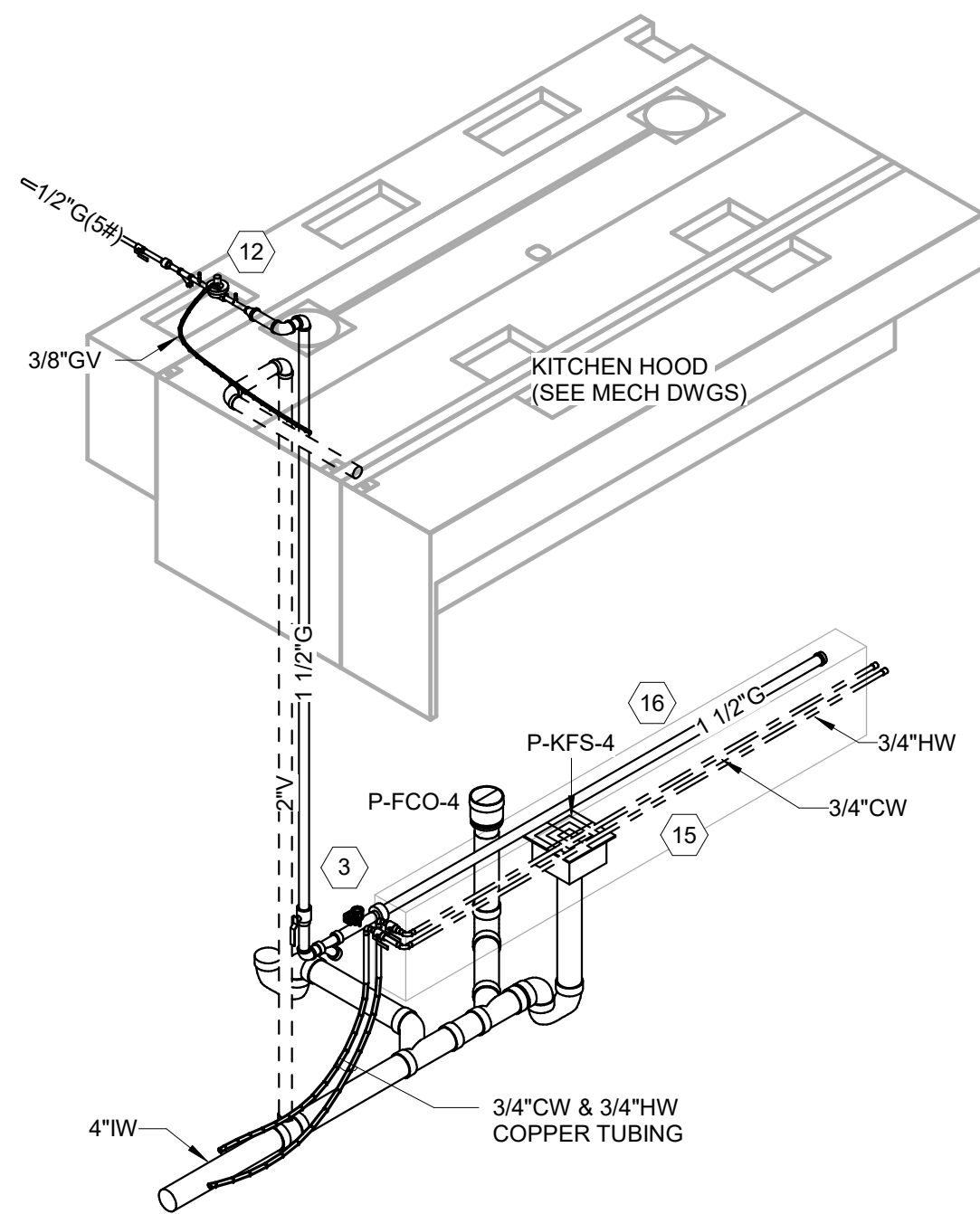
1 KITCHEN - DOMESTIC WATER, GAS & VENT PIPING

P2002 1/4" = 1'-0"



2 KITCHEN ISLAND ISOMETRIC

P2002 NOT TO SCALE



KEYNOTES (THIS SHEET ONLY)

1. TERMINATE VENT HIGH ON EXTERIOR WALL W/ GOOSENECK ANGLED DOWNWARD. OPENING TO BE COVERED W/ BIRDSCREEN. EXPOSED VENT PIPING TO BE COPPER TYPE "DW".
2. 3/4" CW & 3/4" HW DOWN UNDERSLAB THROUGH DESIGNATED SAWCUT AREA TO KITCHEN EQUIPMENT ISLAND. UNDERSLAB PIPING TO BE COPPER TYPE "K" CONTINUOUS TUBING W/ NO JOINTS UNDERSLAB. DOMESTIC WATER AND SANITARY PIPING TO BE SEPARATED UNDERSLAB 12" VERTICALLY PER 2018 IPC SECTION 603.2.
3. 3/4" CW & 3/4" HW UP, TRANSITIONED TO COPPER TYPE "L" ABOVE SLAB. ROUTE 2" V UP ALONG KITCHEN HOOD AND ABOVE CEILING. ROUTE 1-1/2" G DOWN ALONG KITCHEN HOOD AND TURN LOW ALONG KITCHEN ISLAND PARTITION WALL W/ 1/4" TURN FULL PORT BALL VALVE, UNION AND ELBOW PIPE STAND. TERMINATE DOMESTIC WATER AND GAS PIPING AT FAR PARTITION WALL EXTENT W/ END CAP. SEE ISOMETRIC DRAWING #P2002 & DETAIL #P2002.
4. 3/4" CW & 3/4" HW DOWN WALL W/ SURFACE MOUNTED VALVE BOX EQUAL TO ACUDOR #ASVB 12"x12"x4" CARBON STEEL W/ SCREWDRIVER CAM LATCH. UNDERSLAB THROUGH DESIGNATED SAWCUT AREA TO CAFETERIA SERVING LINE. UNDERSLAB PIPING TO BE COPPER TYPE "K" CONTINUOUS TUBING W/ NO JOINTS UNDERSLAB.
5. 3/4" CW & 3/4" HW UP, TRANSITIONED TO COPPER TYPE "L" ABOVE SLAB TO 1/2" CW & 1/2" HW CONNECTION TO WELL QUICKSWITCH W/ 1/4" TURN FULL PORT BALL VALVE. ROUTE 1/2" CW & 1/2" HW BACK UNDERSLAB THROUGH DESIGNATED SAWCUT AREA TO OPPOSITE WELL. QUICKSWITCH UNDERSLAB PIPING TO BE COPPER TYPE "K" CONTINUOUS TUBING W/ NO JOINTS UNDERSLAB.
6. 1/2" CW & 1/2" HW UP, TRANSITIONED TO COPPER TYPE "L" ABOVE SLAB TO WELL QUICKSWITCH W/ 1/4" TURN FULL PORT BALL VALVE.
7. GAS METER BY UTILITY COMPANY. MINIMUM 1,200 CFH METER PASS CAPABILITY AT CUSTOMER SIDE PRESSURE @ 8 PSI.
8. ROUTE 1/2" G (5#) OVER EXISTING COOLER ROOF AND ATTACH PIPING TO BRICK WALL WITH GALVANIZED UNISTRUT & PIPE CLAMPS. PENETRATE WALL AND MODIFY OPENING FOR NEW GAS PIPING TO EXTEND TO MECHANICAL ROOM.
9. 1/2" G (5#) DOWN WITH LUBRICATED PLUG VALVE & MINIMUM 6'-6" LONG SEDIMENT LEG WITH REMOVABLE CAP.
10. 3/4" CW & 3/4" HW DOWN IN CHASE TO SERVE HAND WASH SINKS, P-4A. 1/2" CW & 1/2" HW THRU WALL TO P-4A FIXTURE IN SERVARY.
11. 3/8" GV CONTINUOUS COPPER TUBING FROM GAS REGULATOR ABOVE CEILING, TRANSITIONED TO COPPER TYPE "L" AT EXTERIOR WALL PENETRATION AND TURNED DOWN W/ 90° ELBOW W/ INSECT SCREEN. SEAL PIPE PENETRATION AIR/WATER TIGHT AND PROVIDE ALL WEATHER ESCUTCHION.
12. GAS PIPING ASSEMBLY FOR KITCHEN ISLAND EQUIPMENT. SEE DETAIL #P2002.
13. HOT WATER STORAGE TANK, P-ST, LOCATED IN MECH. #5010-109. CIRCULATION PUMPS TO BE INSTALLED, ACCESSIBLE, ON WALL ON OPEN SIDE OF DOOR. SEE DETAIL #P2002 FOR PIPING SCHEMATICS AND ACCESSORIES. INSTALL ALL EQUIPMENT AND ACCESSORIES PER MANUFACTURER'S IOM. ROUTE GAS PIPING ASSEMBLY OVERHEAD, SEE DETAIL #P2002 FOR PIPING SCHEMATICS AND ACCESSORIES.
14. PROVIDE UNDER SINK THERMOSTATIC MIXING VALVE EQUAL TO WATTS #LFUSG-B-M2.
15. DOMESTIC COLD & HOT WATER PIPING ROUTED TIGHT AND SUPPORTED FROM WALL 6" AND 10" OFF KITCHEN FLOOR. PROVIDE (4) FOUR 1/2" CONNECTIONS OFF TOP OF PIPE FOR EACH SERVICE W/ 1/4" TURN LEAD FREE T-HANDLE BALL VALVE AND COPPER NIPPLE W/ CAP. COORDINATE CONNECTION AND FINAL ROUGH-IN OF PIPING FROM NIPPLE TO OWNERS EQUIPMENT (WHERE REQUIRED).
16. GAS PIPING ROUTED TIGHT AND SUPPORTED FROM WALL OR FLOOR 6" ABV KITCHEN FLOOR. PROVIDE (4) FOUR 3/4" CONNECTION OFF TOP OF PIPE WITH 1/4" TURN GAS VALVE AND NIPPLE WITH CAP. COORDINATE CONNECTION AND FINAL ROUGH-IN OF CSST PIPING FROM NIPPLE TO OWNER'S EQUIPMENT (WHERE REQUIRED).
17. INSTALL NEW CAN WASH FAUCET, P-CW, RECONNECT TO EXISTING DOMESTIC WATER PIPING.
18. PIPE RISERS SHOWN FOR CLARITY; ROUTE EXPOSED PIPING TIGHT AND CLOSE TO WALL.

PLAN NOTES (THIS SHEET ONLY)

1. ALL PIPING SHOWN IS LOCATED CONCEALED ABOVE NEW CEILING UNLESS OTHERWISE NOTED.
2. ONLY SAWCUT LINES RELEVANT TO DOMESTIC WATER PIPING ARE SHOWN ON THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR SAWCUT EXTENTS AND REPLACEMENT REQUIREMENTS BY OTHERS.

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P2002

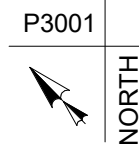
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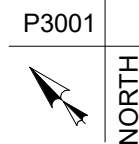




1 KITCHEN - SANITARY & VENT PIPING ISOMETRIC



P3001



2 KITCHEN - DOMESTIC WATER & GAS PIPING ISOMETRIC

P3001





LEGEND

**LIGHTING AND POWER**

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL CONTAINING 3 NUMBER 12 CONDUCTORS UNLESS SHOWN OTHERWISE. HASH MARKS, IF SHOWN, INDICATE QUANTITY OF NUMBER 12 CONDUCTORS. WHERE DRAWING SPACE PROHIBITS HASH MARKS BEING SHOWN REFER TO CIRCUIT NUMBERS AND PROVIDE REQUIRED NUMBER OF CONDUCTORS PER CIRCUIT TYPE.

CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB, OR UNDERGROUND.

HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARDS, NUMBERS INDICATE CIRCUIT NUMBERS.

EXPOSED CONDUIT RUN.

EXISTING CONDUIT RUN.

L.E.D. LIGHTING FIXTURE, "2" INDICATES THE CIRCUIT NUMBER AND "E" THE FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.

EMERGENCY L.E.D. LIGHTING FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS, MOUNTING TYPE AND BATTERY PACK INFORMATION (IF APPLICABLE).

L.E.D. FIXTURE, SURFACE OR STEM MOUNTED.

L.E.D. TROFFER FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.

EMERGENCY L.E.D. TROFFER. SEE FIXTURE SCHEDULE FOR DIMENSIONS, MOUNTING TYPE AND BATTERY PACK INFORMATION (IF APPLICABLE).

L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED.

L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED. SEE FIXTURE SCHEDULE FOR BATTERY PACK INFORMATION (IF APPLICABLE).

EXIT LIGHT

EMERGENCY PACK FIXTURE.

JUNCTION BOX, FLUSH WALL MOUNTED.

JUNCTION BOX LOCATED ABOVE CEILING OR BELOW GRADE.

JUNCTION BOX, FLUSH WALL MOUNTED.

DUPLEX CONVENIENCE OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED. 5" INDICATES THE CIRCUIT NUMBER.

DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER, AT +46" TO CENTERLINE OF OUTLET.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, +18" TO CENTER LINE UNLESS OTHERWISE NOTED. "WP" WHERE SHOWN INDICATES WEATHER-RESISTENT DEVICE WITH METAL IN-USE WEATHERPROOF COVER.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED ABOVE COUNTER AT +46" TO CENTERLINE OF RECEPTACLE UNLESS NOTED OTHERWISE.

SPECIAL RECEPTACLE TO SUIT EQUIPMENT FURNISHED.

QUADRUPLX RECEPTACLE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.

SUSPENDED MOUNTED RECEPTACLE. SEE DETAIL 6/E7000 FOR MOUNTING INFORMATION.

SINGLE POLE TOGGLE SWITCH, +46" TO CENTER LINE MOUNTING HEIGHT.

THREE OR FOUR WAY SWITCH AS INDICATED. +46" TO CENTER LINE MOUNTING HEIGHT.

KEY OPERATED SINGLE POLE TOGGLE SWITCH, +46" TO CENTER LINE MOUNTING HEIGHT.

LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER +3'-6" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER. (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES AS SHOWN CONNECTED FOR A PROPER 0-10VDC OPERATION. GRAY FINISH.

LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER WITH PASSIVE INFRARED OCCUPANCY SENSOR. +3'-6" MOUNTING HEIGHT. GRAY FINISH. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER. DIMMER MUST BE COMPATIBLE WITH ALL LIGHTING COMPONENTS (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES AS SHOWN CONNECTED FOR PROPER 0-10V OPERATION

0-10VDC CAPABLE THREE WAY DIMMER. +3'-6" MOUNTING HEIGHT. LUTRON "NOVA T" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER. (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES AS SHOWN CONNECTED FOR A PROPER 0-10VDC OPERATION.

PANELBOARD. SEE SCHEDULE.

DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS. FUSED PER MANUFACTURER'S NAME PLATE DATA OF EQUIPMENT SERVED.

SINGLE OR DOUBLE POLE, MINIMUM 20 AMP MOTOR RATED ENCLOSED SWITCH WITH "LOCK-OUT" OPTION. MOUNTED NEAR EQUIPMENT BEING SERVED.

MOTOR

POWER POLE, DUAL CHANNEL WITH FOUR (4) DUPLEX RECEPTACLES AND PROVISIONS FOR LOW VOLTAGE CABLING (FACEPLATE, ADAPTERS, JACKS, ETC.). WIREMOLD 307P-412V (OR EQUAL).

SMART SENSOR FOR VAPE & THC DETECTION, AIR QUALITY & ENVIRONMENTAL MONITORING, CHEMICAL DETECTION, PRIVACY AREA SECURITY. MANUFACTURED BY HALO IOT SMART SENSOR OR EQUAL BY SOTER TECHNOLOGIES "FLYSENSE", ZEPTIVE "VAPE DETECTOR".

**FIRE ALARM SYSTEM**

SIGNAL, HORN AND STROBE LIGHT. +6'-10" MOUNTING HEIGHT TO CENTER OF DEVICE. "CM" WHERE SHOWN INDICATES CEILING MOUNTED.

VOICE EVACUATION SIGNAL, SPEAKER, AND STROBE LIGHT, +6'-10" MOUNTING HEIGHT TO CENTER OF DEVICE

STROBE LIGHT, 8'-10" MOUNTING HEIGHT TO CENTER OF DEVICE.

STROBE LIGHT, CEILING MOUNTED.

PULL STATION, WALL MOUNTED +46" TO CENTER LINE MOUNTING HEIGHT.

FIRE ALARM CONTROL PANEL, SURFACE WALL MOUNTED.

HEAT DETECTOR, CEILING MOUNTED.

SMOKE DETECTOR, CEILING MOUNTED.

CARBON MONOXIDE DETECTOR, CEILING MOUNTED.

DUCT SMOKE DETECTOR, LOCATED AT HVAC UNIT OR UP STREAM OF SMOKE DAMPER. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS PRIOR TO ROUGHING IN.

TAMPER SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.

FLOW SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.

FIRE ALARM CONNECTION TO HOOD EXTINGUISHING SYSTEM. SEE MECHANICAL DRAWINGS FOR LOCATION.

**TELEPHONE / DATA SYSTEMS**

PLYWOOD BACKBOARD "T.B." INDICATES TELECOMMUNICATIONS BOARD.

DATA RACK, 2 POST, WITH VERTICAL CABLE WIRE MANAGEMENT. SEE SPECIFICATIONS.

DATA OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1" TO CEILING SPACE ABOVE.

DATA OUTLET, +46" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1" TO CEILING SPACE ABOVE.

**OCCUPANCY SENSORS**

SWITCH, WALL MOUNTED OCCUPANCY SENSOR (WATTSTOPPER PW-100 OR EQUAL). +46" TO CENTER LINE MOUNTING HEIGHT.

DUAL TECHNOLOGY 360° OCCUPANCY SENSOR, CEILING MOUNTED. INFRARED/ULTRASONIC (WATTSTOPPER "DT" SERIES OR EQUAL). PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

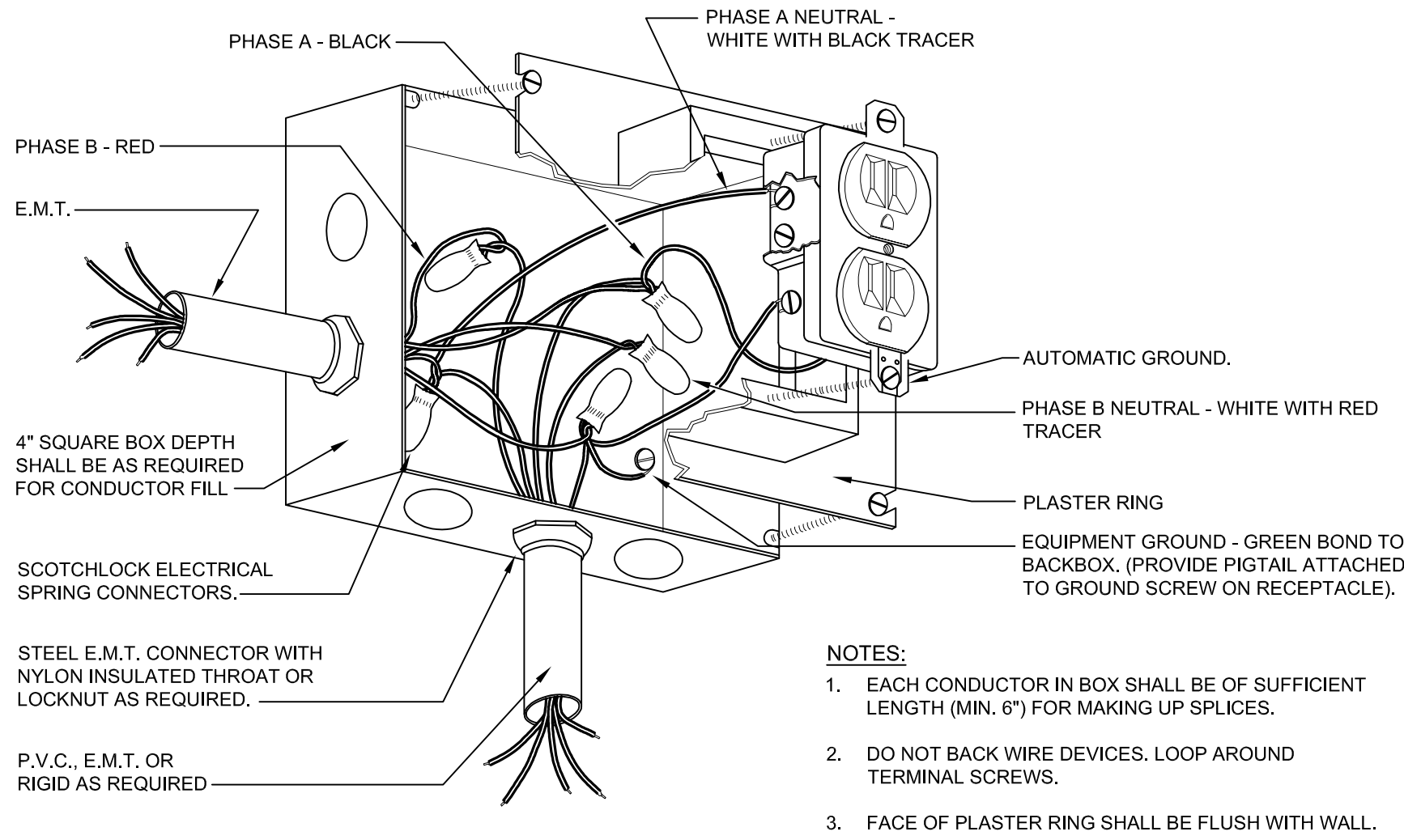
DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED AT CORNER UNLESS SHOWN OTHERWISE. INFRARED/ULTRASONIC (WATTSTOPPER "DT" SERIES OR EQUAL). PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

ULTRASONIC OCCUPANCY SENSOR, CEILING MOUNTED (WATTSTOPPER "UT" SERIES OR EQUAL). PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

ULTRASONIC HALLWAY OCCUPANCY SENSOR, CEILING MOUNTED. (WATTSTOPPER "WT-2295" OR EQUAL). PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

GENERAL NOTES:

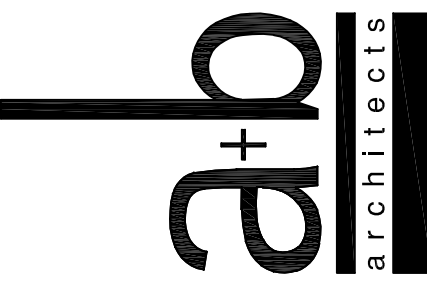
- DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS.
- MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- 112 SYMBOL INDICATING ROOM OR SPACE NUMBER.
- IN AREAS WHERE COMPUTER OUTLETS AND TELEPHONE OUTLETS ARE LOCATED BENEATH A WINDOW, AND WINDOW PREVENTS THE ROUTING OF CONDUIT UP TO CEILING SPACE, CONDUIT SHALL BE ROUTED TO A WALL WHICH ALLOWS CONDUIT TO RISE UP TO CEILING SPACE.
- ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND, TURN UP ADJACENT TO UNIT AND MAKE TRANSITION TO SEALTITE TO SERVE UNIT. CONDUIT SHALL BE, ROUTED CONCEALED IN WALL.
- FLUSH RECESSED OUTLET BOXES INSTALLED IN NON-COMBUSTIBLE MATERIAL SHALL BE INSTALLED SUCH THAT FRONT EDGE OF BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4". FLUSH RECESSED OUTLET BOXES INSTALLED IN COMBUSTIBLE MATERIAL SHALL BE INSTALLED SUCH THAT FRONT EDGE OF BOX IS FLUSH WITH THE THE FINISHED SURFACE". COMPLY WITH N.E.C. 314-20. SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE.
- ALL CONDUIT, OUTLET BOXES, AND LOW VOLTAGE CABLING SHALL BE APPROPRIATELY SUPPORTED THROUGHOUT THE PROJECT. SUPPORT OF THESE ITEMS BY CEILING GRID OR GRID SUPPORT WIRES IS NOT ACCEPTABLE.
- ALL RECEPTACLES LOCATED WITHIN 6'-0" TO THE EDGE SINK OR OTHER WATER SOURCE SHALL BE GFCI TYPE DEVICE IN ACCORDANCE WITH A.E.C 210-8-A.7. COORDINATE LOCATIONS WITH ARCHITECTURAL AND PLUMBING DRAWINGS PRIOR TO ROUGH-IN.
- REFER TO SPECIFICATIONS FOR HANGER SUPPORT WIRES REQUIRED FOR FIXTURES.
- ALL CONDUIT ROUTED FROM SLAB UP TO PANELS AND EXPOSED CONDUIT ROUTED BELOW +48" A.F.F. SHALL BE GALVANIZED RIGID STEEL.
- PRIOR TO ROUGH-IN OF OUTLETS OR ORDERING PANELS, COORDINATE AN ON SITE MEETING TO REVIEW EXACT EXISTING KITCHEN EQUIPMENT AND NEW EQUIPMENT ELECTRICAL REQUIREMENTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND ADJUST BREAKER SIZES AND BRANCH CIRCUITRY BASED ON SUCH.
- ALL OCCUPANCY SENSORS SHALL HAVE AN EXTRA SET OF OUTPUT CONTRACTS FROM SENSOR/POWER PACK FOR CONNECTION/CONTROL OF HVAC EQUIPMENT.
- ALL GROUNDED (NEUTRAL) CONDUCTORS #6 AND SMALLER SHALL HAVE A CONTINUOUS WHITE OR GRAY OUTER FINISH.
- ALL EQUIPMENT GROUNDING CONDUCTORS #6 AND SMALLER SHALL HAVE A CONTINUOUS GREEN OUTER FINISH ON THE CONDUCTOR INSULATION.
- ALL RECEPTACLES ON THIS PROJECT SHALL BE TAMPER RESISTANT TYPE "TR".



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E1000  
DETAIL - RECEPTACLE CONNECTION  
SCALE: NONE

FIXTURE SCHEDULE		
TYPE	DESCRIPTION	MANUFACTURER
A	2' x 4' RECESSED CEILING GRID TYPE EDGE-LIT FLAT PANEL FIXTURE WITH SINGLE PIECE INJECTION FRAME AND SMOOTH WHITE LENS. FIXTURE LIGHTING LEVEL SHALL BE FIELD ADJUSTABLE BY THREE SETTINGS. LAMPS: L.E.D. WITH MINIMUM 5000 DELIVERED LUMENS AND MAXIMUM 42 WATTS AT 4000°K DRIVER: 10% 0-10V DIMMABLE MULTIVOLT ELECTRONIC	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
A2	2' x 2' RECESSED CEILING GRID TYPE EDGE-LIT FLAT PANEL FIXTURE WITH SINGLE PIECE INJECTION FRAME AND SMOOTH WHITE LENS. FIXTURE LIGHTING LEVEL SHALL BE FIELD ADJUSTABLE BY THREE SETTINGS. LAMPS: L.E.D. WITH MINIMUM 3300 DELIVERED LUMENS AND MAXIMUM 28 WATTS AT 4000°K DRIVER: 10% 0-10V DIMMABLE MULTIVOLT ELECTRONIC	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
AL	SAME AS TYPE "A" EXCEPT WITH 4000 DELIVERED LUMENS AND MAXIMUM 32 WATTS.	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
AH	2' x 4' RECESSED CEILING GRID TYPE EDGE-LIT FLAT PANEL FIXTURE WITH SINGLE PIECE INJECTION FRAME AND SMOOTH WHITE LENS. FIXTURE LIGHTING LEVEL SHALL BE FIELD ADJUSTABLE BY THREE SETTINGS. LAMPS: L.E.D. WITH MINIMUM 6000 DELIVERED LUMENS AND MAXIMUM 52 WATTS AT 4000°K DRIVER: 10% 0-10V DIMMABLE MULTIVOLT ELECTRONIC	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
AG	SAME AS TYPE "A" EXCEPT WITH PROVIDE WITH SURFACE MOUNT 2' x 4" KIT. SHALLOW DEPTH.	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
AH	2' x 4' RECESSED CEILING GRID TYPE EDGE-LIT FLAT PANEL FIXTURE WITH SINGLE PIECE INJECTION FRAME AND SMOOTH WHITE LENS. FIXTURE LIGHTING LEVEL SHALL BE FIELD ADJUSTABLE BY THREE SETTINGS. LAMPS: L.E.D. WITH MINIMUM 6000 DELIVERED LUMENS AND MAXIMUM 52 WATTS AT 4000°K DRIVER: 10% 0-10V DIMMABLE MULTIVOLT ELECTRONIC	LITHONIA "CPANEL" SERIES METALUX "SP" SERIES ORACLE "TFL" SERIES CREE "CTR"
B	L.E.D. WALL PACK WITH CAST ALUMINUM HOUSING AND ONE-PIECE GASKET UL LISTED FOR WET CONDITIONS. LAMPS: L.E.D. WITH MINIMUM 3450 DELIVERED LUMENS AND MAXIMUM 28 WATTS AT 4000°K DRIVER: MULTIVOLT	LITHONIA "TWR1 LED" METALUX GARCO HUBBELL
C	4' STRIP LIGHT FIXTURE SURFACE MOUNTED WITH DIFFUSED POLYCARBONATE LENS AND WHITE FINISH. (SURFACE, STEM, OR CHAIN SUSPENDED WHERE REQUIRED). "EM" INDICATES PROVIDE INTEGRAL BATTERY PACK. LAMPS: L.E.D. WITH MINIMUM 4,700 DELIVERED LUMENS AND MAXIMUM 34 WATTS AT 4000°K DRIVER: MULTIVOLT ELECTRONIC	LITHONIA "ZL1N" SERIES METALUX H.E. WILLIAMS COLUMBIA VISIONEERING
E	LOW-PROFILE LED EMERGENCY BUG EYE FIXTURE WITH RECHARGEABLE BATTERY BACKUP WITH A MINIMUM OF 90 MINUTES OF EMERGENCY POWER. HOUSING WILL BE IMPACT RESISTANT, SCRATCH-RESISTANT AND CORROSION PROOF. FIXTURE SHALL HAVE A TEST SWITCH AND A STATUS INDICATOR. FIXTURE SHALL HAVE 2-TWIN HEADS WITH A WHITE FINISH. BATTERIES SHALL BE Ni-CAD BATTERIES. LAMPS: 3-LED DRIVER: MULTIVOLT	LITHONIA "ELM2 LED" SERIES SURE-LITE DUAL-LITE EMERG-LITE MPLHLEN
EX	EMERGENCY L.E.D. LIGHTING UNIT, LOW PROFILE DIE-CAST ALUMINUM HOUSING, FINISH AS SELECTED BY ARCHITECT. UL LISTED FOR WET LOCATIONS. SELF-CONTAINED NICKEL CADMIUM BATTERY, 120/277 VOLT INPUT. MOUNT 9'-0" A.F.F. OR AS DIRECTED BY ARCHITECT.	LITHONIA "AFFINITY LED" SERIES MPLHLEN OR APPROVED EQUAL ISOLITE
F	L.E.D. HIGH IMPACT 4' SURFACE MOUNT FIXTURE WITH VAPOR TIGHT REINFORCED FIBERGLASS HOUSING AND HIGH IMPACT RIBBED PROTECTED DIFFUSER. FIXTURE SHALL HAVE WIDE DISTRIBUTION. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS. FIXTURE SHALL HAVE A MAXIMUM OF 37.8 WATTS. LAMPS: L.E.D. WITH MINIMUM 6000 LUMENS AT 4,000°K DRIVER: UNV VOLT ELECTRONIC	LITHONIA "FEM" METALUX COLUMBIA HUBELL H.E. WILLIAMS
H	L.E.D. 2' WALL MOUNTED ROUND VANITY WITH ACRYLIC DIFFUSER. COORDINATE MOUNTING HEIGHT AND FINISH WITH ARCHITECT. LAMPS: L.E.D. WITH MINIMUM 1100 LUMENS AT 3000°K DRIVER: MULTIVOLT	LITHONIA "FM/TRL SERIES" HUBBELL METALUX COLUMBIA ORACLE
⊗	L.E.D. EXIT LIGHT. PROVIDE WITH DIE-CAST ALUMINUM HOUSING WITH BRUSHED ALUMINUM FINISH AND RED FACED BACKGROUND. UNIVERSAL MOUNTING. PROVIDE BACK-UP BATTERY PACK W/ MAINTENANCE FREE Ni-CAD BATTERIES IN ORDER TO PROVIDE MINIMUM 90 MINUTES OF ILLUMINATION. LAMPS: L.E.D. DRIVER: MULT VOLT INPUT	LITHONIA "LOC" SERIES SURE-LITE "OX" SERIES CHLORIDE "46 LINE" SERIES DUAL-LITE "SEMPRA" SERIES EVENLITE
EMERGENCY BATTERY PACK  OR 	1. RECESSED AND SURFACE MOUNTED LED EMERGENCY TROFFER FIXTURES SHALL BE PROVIDED WITH BATTERY PACK UNIT INSTALLED IN DRIVER COMPARTMENT AND SHALL PROVIDE MINIMUM 1400 LUMEN OUTPUT FROM FOR A MINIMUM OF 90 MINUTES AND SHALL BE PROVIDED INDICATOR LIGHT AND TEST SWITCH AT DRIVER COMPARTMENT. 2. LED DOWNLIGHTS NOTED EMERGENCY SHALL BE EQUIPPED WITH SOLID STATE BATTERY PACK THAT SHALL PROVIDE 90 MINUTES OF EMERGENCY LIGHTING WHEN AC POWER FAILS AND PROVIDED WITH REMOTE MOUNTED INDICATOR LIGHT AND TEST SWITCH.	IOTA SILTRON LITHONIA CHLORIDE SOE-LITE EMERG-LITE LIGHTGUARD LITEALARMS

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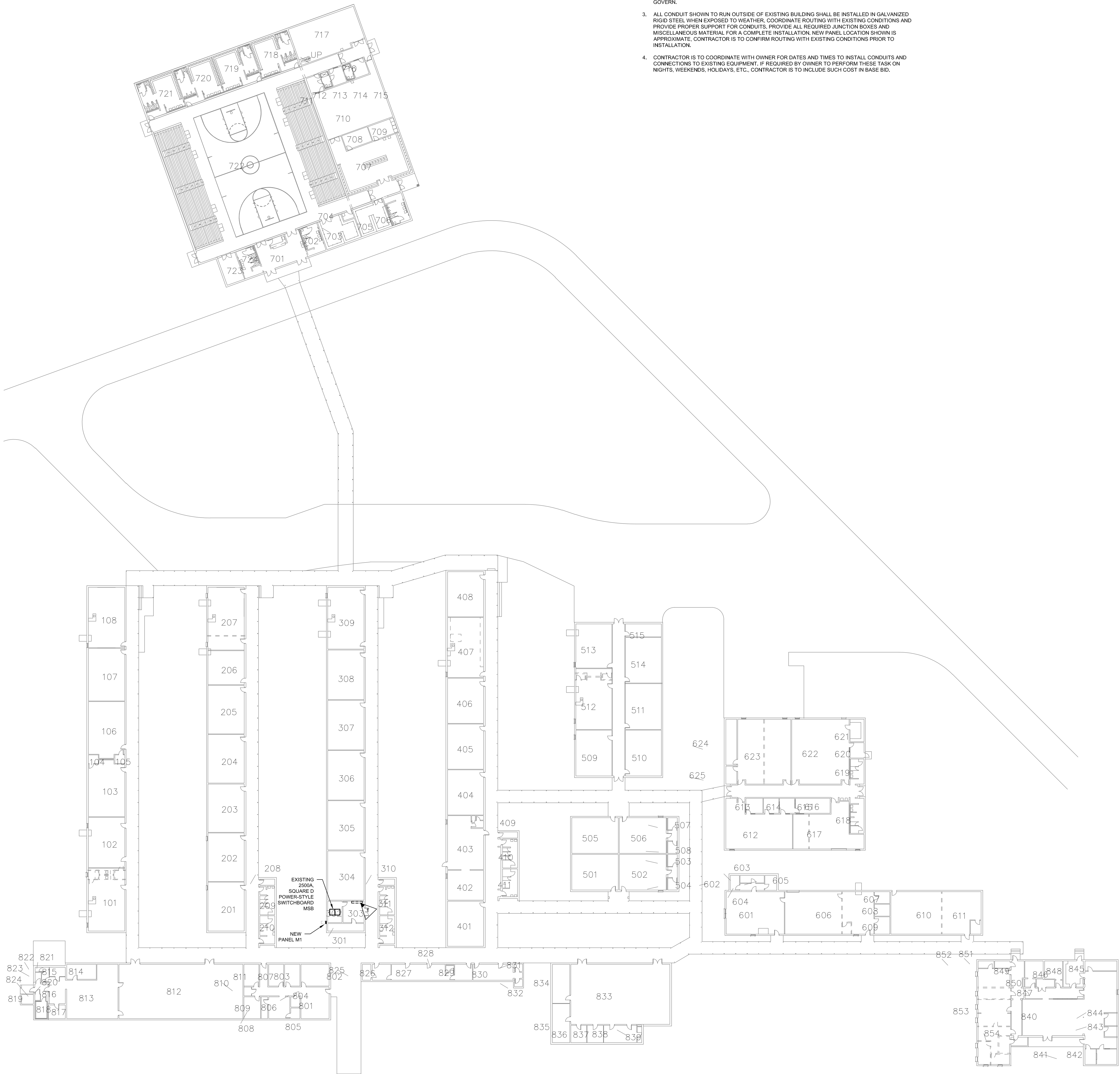
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E1000





1 ELECTRICAL COMPOSITE PLAN  
E1001 SCALE: 1"=30'-0"

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT.
2. ALL PANELS AND SYSTEM HEAD END EQUIPMENT SHOWN PER THIS SHEET ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO FIELD CONFIRM EXACT LOCATIONS. FIELD LOCATIONS SHALL GOVERN.
3. ALL CONDUIT SHOWN TO RUN OUTSIDE OF EXISTING BUILDING SHALL BE INSTALLED IN GALVANIZED RIBBON STEEL WHEN EXPOSED TO WEATHER. COORDINATE ROUTING WITH EXISTING CONDITIONS AND PROVIDE PROPER SUPPORT FOR CONDUITS. PROVIDE ALL REQUIRED JUNCTION BOXES AND MISCELLANEOUS MATERIAL FOR A COMPLETE INSTALLATION. NEW PANEL LOCATION SHOWN IS APPROXIMATE. CONTRACTOR IS TO CONFIRM ROUTING WITH EXISTING CONDITIONS PRIOR TO INSTALLATION.
4. CONTRACTOR IS TO COORDINATE WITH OWNER FOR DATES AND TIMES TO INSTALL CONDUITS AND CONNECTIONS TO EXISTING EQUIPMENT. IF REQUIRED BY OWNER TO PERFORM THESE TASKS ON NIGHTS, WEEKENDS, HOLIDAYS, ETC., CONTRACTOR IS TO INCLUDE SUCH COST IN BASE BID.

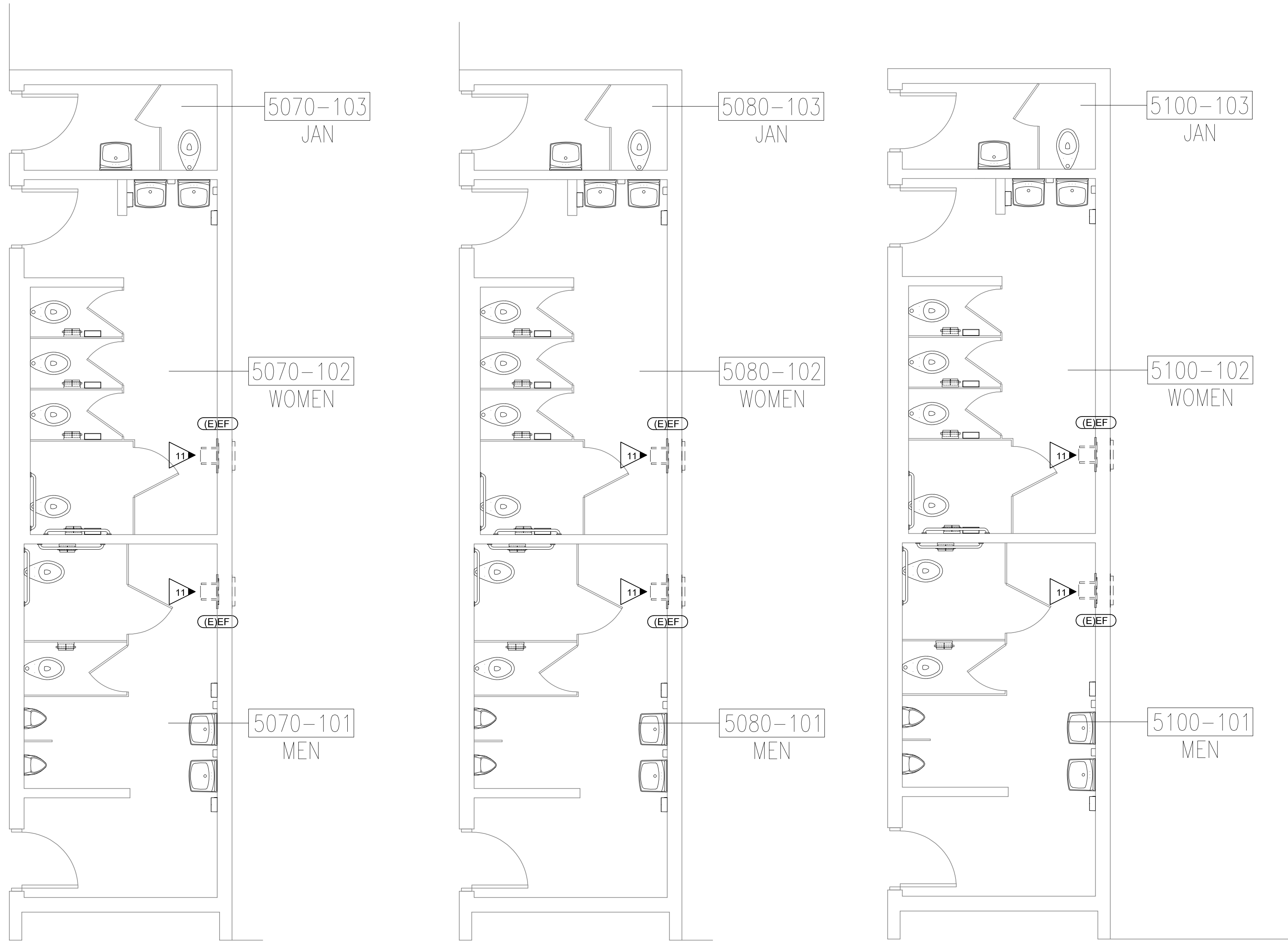
KEYED NOTES:

1. DEMOLISH EXISTING EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY NOT IN USE ABOVE WIRE TROUGH. FIELD INVESTIGATE AND COORDINATE WITH OWNER TO DETERMINE WHAT EQUIPMENT IS NO LONGER IN USE.

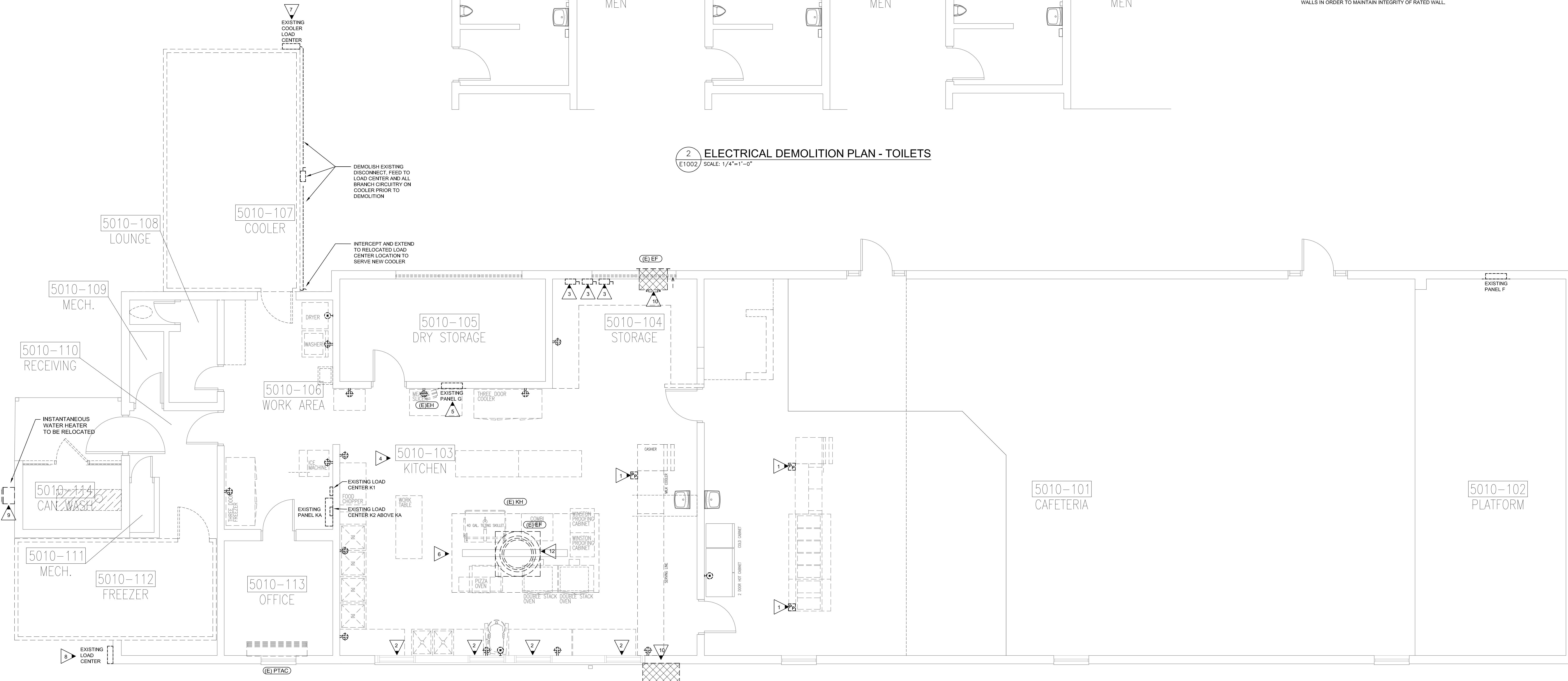


KEYED NOTES:

- 1. EXISTING POWER POLE TO BE DEMOLISHED. REMOVE BRANCH CIRCUITRY BACK TO PANEL UNLESS SERVING OTHER DEVICES TO REMAIN.
- 2. EXISTING MOTORIZED LOUVER BEING DEMOLISHED. REMOVE BRANCH CIRCUITRY BACK TO PANEL UNLESS SERVING OTHER DEVICES TO REMAIN.
- 3. EXISTING DISCONNECT TO BE DEMOLISHED. REMOVE BRANCH CIRCUITRY BACK TO PANEL. VERIFY DISCONNECT IS NOT IN USE PRIOR TO DEMOLITION.
- 4. REMOVE ALL DUPLEX RECEPTACLES IN KITCHEN AND REPLACE WITH GFCI RECEPTACLES AT EXISTING DEVICE LOCATION. PROVIDE NEW COVERPLATES.
- 5. REMOVE EXISTING FLUSH RECESSED PANEL AND REPLACE WITH NEW. SPlice AND EXTEND ALL EXISTING CIRCUITS TO BREAKERS IN NEW PANEL TO MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITS SERVED FROM THIS PANEL. PROVIDE NEW FEED FROM PANEL KA AS SHOWN ON RISER DIAGRAM.
- 6. DEMOLISH CONNECTION TO EXISTING HOOD AND TO ALL ELECTRICAL EQUIPMENT BELOW HOOD. REMOVE ALL EXISTING BRANCH CIRCUITRY BACK TO UPSTREAM PANEL LABEL BREAKERS AS SPARE UNLESS BEING USED FOR NEW LOADS. SEE E3001 FOR NEW EQUIPMENT SERVICES AND UTILIZE SAW CUT AREAS SHOWN ON K1001 FOR ROUTING CONDUIT BELOW SLAB TO NEW PANEL KH.
- 7. REMOVE EXISTING EXTERIOR LOAD CENTER AND BRANCH CIRCUITRY SERVING EXISTING COOLER BEING DEMOLISHED. INTERCEPT EXISTING COOLER LOAD CENTER CIRCUIT INSIDE BUILDING AND EXTEND TO RELOCATED EXISTING LOAD CENTER. RELOCATE EXISTING LOAD CENTER AT NEW COOLER AND CONNECT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NEW DISCONNECT(S) TO SERVE NEW CONDENSER(S) AS REQUIRED.
- 8. EXISTING LOAD CENTER TO BE REMOVED AND REPLACED WITH NEW.
- 9. EXISTING INSTANTANEOUS WATER HEATER TO BE RELOCATED. DEMOLISH EXISTING CIRCUIT BACK TO PANEL. PROVIDE BLANK COVERPLATE.
- 10. EXISTING MECHANICAL UNIT TO BE DEMOLISHED. DISCONNECT UNIT AND REMOVE EXISTING BRANCH CIRCUITRY BACK TO PANEL. LABEL BREAKER SERVING UNIT AS SPARE.
- 11. EXISTING MECHANICAL UNIT TO BE REMOVED AND REPLACED WITH NEW. DISCONNECT UNIT AND RECONNECT NEW UNIT TO EXISTING CIRCUIT.
- 12. EXISTING HOOD EXHAUST FAN TO BE REMOVED AND REPLACED WITH NEW. DISCONNECT UNIT AND RECONNECT TO NEW UNIT AS SHOWN ON E4001.



2 ELECTRICAL DEMOLITION PLAN - TOILETS  
E1002 SCALE: 1/4"=1'-0"

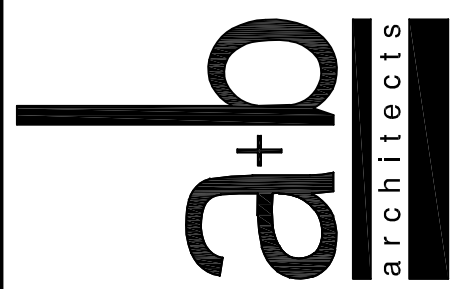


1 ELECTRICAL DEMOLITION PLAN - KITCHEN/CAFETERIA  
E1002 SCALE: 1/4"=1'-0"

DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL FIELD VERIFY EXACT ROUTINGS OF EXISTING RACEWAYS BEFORE STARTING ANY WORK AND NOTIFY THE ARCHITECT OF ANY KNOWN DISCREPANCIES.
- 2. THE CONTRACTOR SHALL UTILIZE AS MUCH OF THE EXISTING OUTLETS AND RACEWAYS AS POSSIBLE TO RECONNECT EXISTING AND NEW CIRCUITS.
- 3. THE CONTRACTOR SHALL REMOVE EXISTING CONDUCTORS AND INSTALL NEW CONDUCTORS AS SHOWN OR AS REQUIRED TO COMPLETE REVISED CIRCUITS AND TO CONFORM TO N.E.C.
- 4. ALL EXISTING EQUIPMENT REMOVED FROM SERVICE AND NOT INTENDED FOR REUSE SHALL REMAIN THE PROPERTY OF OWNER AND SHALL BE STORED OR DISPOSED OF AS DIRECTED BY THE OWNER.
- 5. MAINTAIN SERVICE TO ALL EXISTING CIRCUITS THAT ARE NOT SCHEDULED FOR REMOVAL.
- 6. PROVIDE BLANK COVERS ON ALL JUNCTION BOXES AND OUTLET BOXES NOT INTENDED FOR REUSE.
- 7. EXISTING CEILING, WALLS AND FLOORS DISTURBED OR DISFIGURED BY THE ELECTRICAL RENOVATIONS SHALL BE PATCHED, MENDED OR REPLACED BY TRADES ACTIVELY PARTICIPATING IN THIS TYPE OF WORK. RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR.
- 8. EXISTING EQUIPMENT SHOWN ON ARCHITECTURAL, MECHANICAL PLUMBING AND ELECTRICAL DRAWINGS THAT WILL REMAIN SHALL HAVE SERVICE MAINTAINED OR RECONNECTED TO EXISTING OR NEW PANELBOARD AS NECESSARY.
- 9. ALL EXISTING LIGHT FIXTURES ARE TO BE REMOVED FROM AREAS WHERE NEW CEILINGS AND LIGHT FIXTURES ARE TO BE INSTALLED. ALL EXISTING FIXTURE LAMPS AND BALLAST SHALL BE PROPERLY DISPOSED OF FOLLOWING FEDERAL AND STATE OF GEORGIA EPA GUIDE LINES. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE OWNER THAT ALL LAMPS AND BALLAST HAVE BEEN PROPERLY PROPERLY DISPOSED, DISPOSING OF SUCH IN LOCAL LANDFILL WILL NOT MEET COMPLIANCE.
- 10. TO MAINTAIN SERVICE, TO EXTEND, OR TO RECONNECT CIRCUITS WHERE CONDUIT CAN NOT BE CONCEALED, SURFACE METAL RACEWAY (WIREMOLD) SHALL BE USED. VERIFY WITH ARCHITECT PRIOR TO INSTALLATION.
- 11. ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR DOOR SWINGS, CABINETS, COUNTERTOPS AND OTHER BUILT-IN EQUIPMENT. CONDITIONS INDICATED ON ARCHITECTURAL DRAWINGS SHALL GOVERN.
- 12. COORDINATE ELECTRICAL WITH ARCHITECTURAL DETAILS, FLOOR PLANS, ELEVATIONS, STRUCTURAL MECHANICAL AND PLUMBING DRAWINGS, PROVIDE FITTINGS, JUNCTION BOXES AND ACCESSORIES TO MEET CONDITIONS.
- 13. ELECTRICAL CONTRACTOR SHALL PROVIDE PLUGS OR RECEPTACLES TO MATCH DEVICES FURNISHED WITH OWNER FURNISHED EQUIPMENT AND EQUIPMENT FURNISHED BY OTHERS. VERIFY.
- 14. WHERE EXISTING CONCRETE FLOOR SLAB IS SAW CUT AND CONCRETE IS CHIPPED OUT FOR ELECTRICAL UNDER FLOOR EQUIPMENT ANY ELECTRICAL CONDUIT, WIRING AND PLUMBING PIPING THAT IS DAMAGED SHALL BE PATCHED, MENDED OR REPLACED BY TRADES ACTIVELY PARTICIPATING IN THIS TYPE OF WORK. RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR.
- 15. CONTRACTOR SHALL SURVEY EXISTING SPACES FOR ABANDONED SYSTEMS CABLING CURRENTLY LOCATED ABOVE CEILING. CONTRACTOR TO VERIFY IF CABLING IS OPERABLE AND IN USE. ANY CABLE NOT IN USE SHALL BE REMOVED IN ITS ENTIRETY. ANY CABLE IN USE SHALL REMAIN AND SHALL BE SUPPORTED ACCORDINGLY TO MEET NEC. CONTRACTOR TO PROVIDE HANGERS AND J-HOOKS TO SUPPORT EXPOSED CABLING. ALL CABLING SHALL BE BUNDLED TOGETHER WITH PLENUM RATED TIE WRAPS AND SUPPORTED FROM STRUCTURE ABOVE. SUPPORT OF CABLING FROM CEILING HANGER WIRE, CONDUIT, SPRINKLER PIPE, DUCT WORK, ETC. WILL NOT BE ACCEPTABLE.
- 16. CONTRACTOR TO SURVEY EXISTING AREAS ABOVE CEILING FOR EXISTING ELECTRICAL CONDUIT AND JUNCTION BOXES WHICH ARE TO REMAIN. ANY CONDUIT OR JUNCTION BOXES NOT CURRENTLY IN COMPLIANCE WITH NEC SHALL BE SUPPORTED ACCORDINGLY TO MEET CODE. CONTRACTOR TO PROVIDE ADDITIONAL HANGERS TO SUPPORT AS NECESSARY.
- 17. CONTRACTOR TO REVIEW EXISTING CONDUIT PENETRATIONS OF RATED WALL AT RENOVATED SPACES. CONTRACTOR TO PROPERLY FIRE STOP ANY EXISTING CONDUIT PENETRATIONS OF RATED WALLS IN ORDER TO MAINTAIN INTEGRITY OF RATED WALL.

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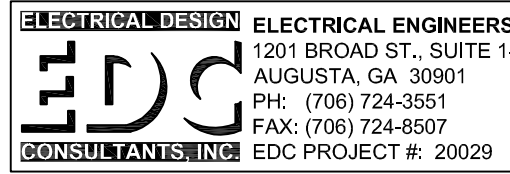


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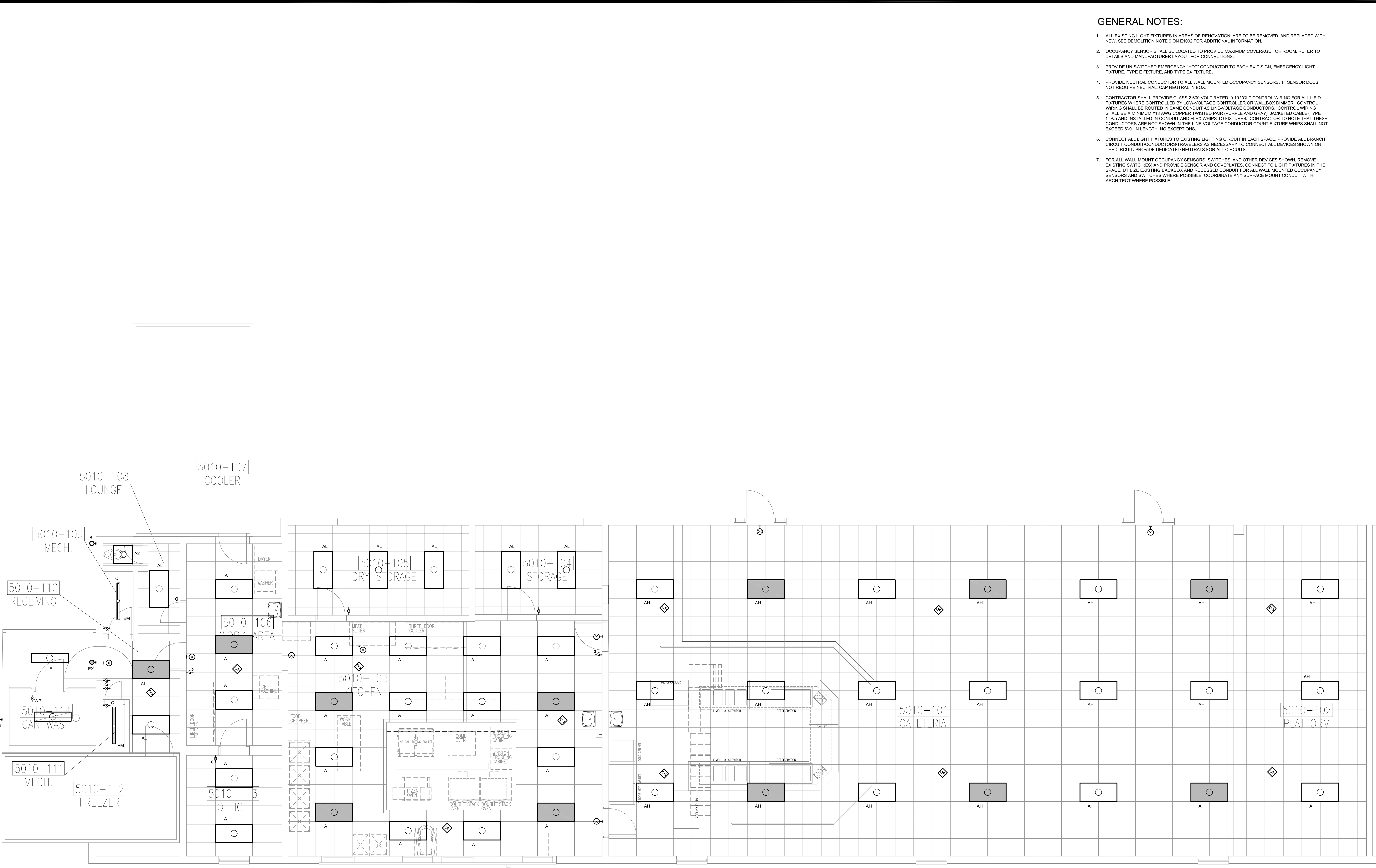
E1002



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PROJECT NO: 19037

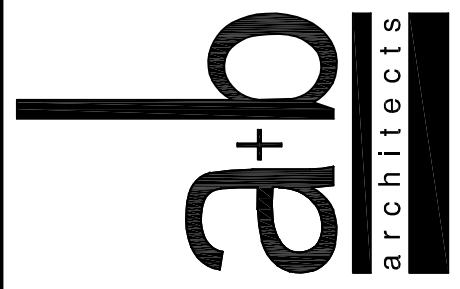




1 LIGHTING PLAN - KITCHEN/CAFETERIA  
E2001 SCALE: 1/4"=1'-0"

- GENERAL NOTES:**
1. ALL EXISTING LIGHT FIXTURES IN AREAS OF RENOVATION ARE TO BE REMOVED AND REPLACED WITH NEW. SEE DEMOLITION NOTE 9 ON E1002 FOR ADDITIONAL INFORMATION.
  2. OCCUPANCY SENSOR SHALL BE LOCATED TO PROVIDE MAXIMUM COVERAGE FOR ROOM. REFER TO DETAILS AND MANUFACTURER LAYOUT FOR CONNECTIONS.
  3. PROVIDE UN-SWITCHED EMERGENCY "HOT" CONDUCTOR TO EACH EXIT SIGN, EMERGENCY LIGHT FIXTURE, TYPE E FIXTURE, AND TYPE EX FIXTURE.
  4. PROVIDE NEUTRAL CONDUCTOR TO ALL WALL MOUNTED OCCUPANCY SENSORS, IF SENSOR DOES NOT REQUIRE NEUTRAL, CAP NEUTRAL IN BOX.
  5. CONTRACTOR SHALL PROVIDE CLASS 2 600 VOLT RATED, 0-10 VOLT CONTROL WIRING FOR ALL L.E.D. FIXTURES WHERE CONTROLLED BY LOW-VOLTAGE CONTROLLER OR WALLBOX DIMMER. CONTROL WIRING SHALL BE ROUTED IN SAME CONDUIT AS LINE-VOLTAGE CONDUCTORS. CONTROL WIRING SHALL BE A MINIMUM #18 AWG COPPER TWISTED PAIR (PURPLE AND GRAY), JACKETED CABLE (TYPE TTPJ) AND INSTALLED IN CONDUIT AND FLEX WHIPS TO FIXTURES. CONTRACTOR TO NOTE THAT THESE CONDUCTORS ARE NOT SHOWN IN THE LINE VOLTAGE CONDUCTOR COUNT. FLEX WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH, NO EXCEPTIONS.
  6. CONNECT ALL LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT IN EACH SPACE. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS/TRAVELERS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
  7. FOR ALL WALL MOUNT OCCUPANCY SENSORS, SWITCHES, AND OTHER DEVICES SHOWN, REMOVE EXISTING SWITCHES AND PROVIDE SENSOR AND COVERLATES. CONNECT TO LIGHT FIXTURES IN THE SPACE. UTILIZE EXISTING BACKBOX AND RECESSED CONDUIT FOR ALL WALL MOUNTED OCCUPANCY SENSORS AND SWITCHES WHERE POSSIBLE. COORDINATE ANY SURFACE MOUNT CONDUIT WITH ARCHITECT WHERE POSSIBLE.

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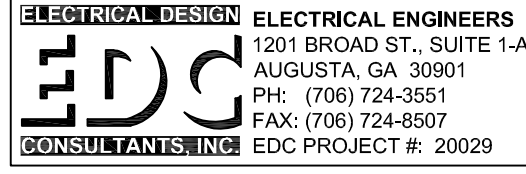


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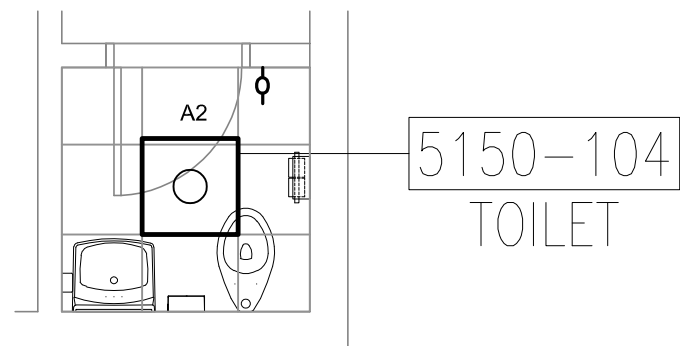
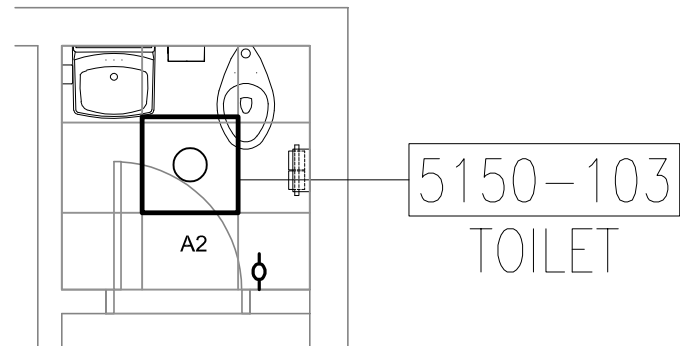
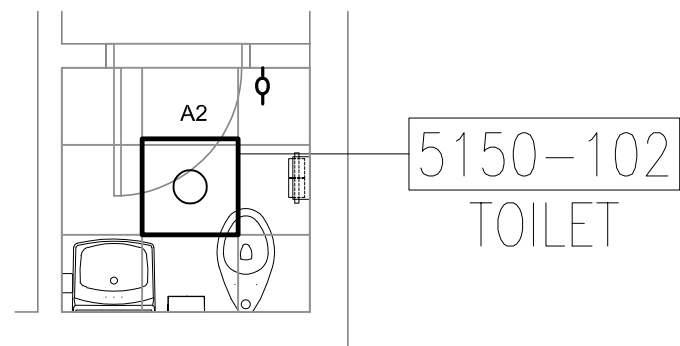
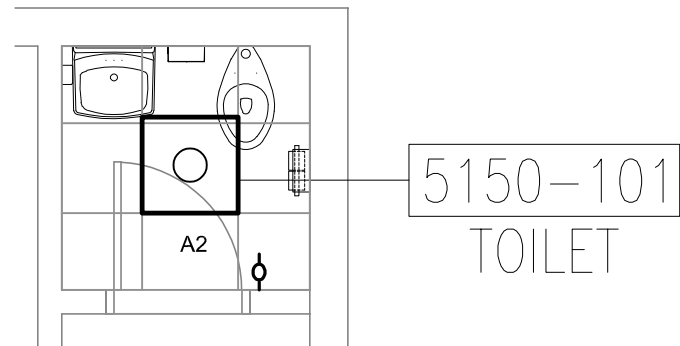
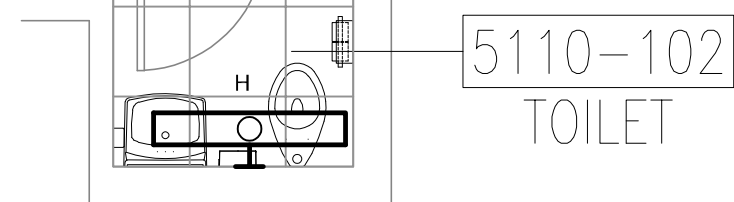
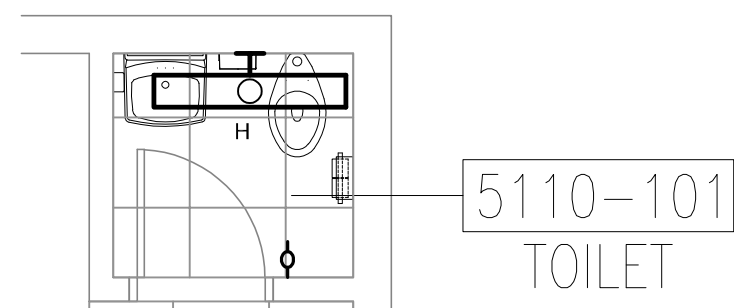
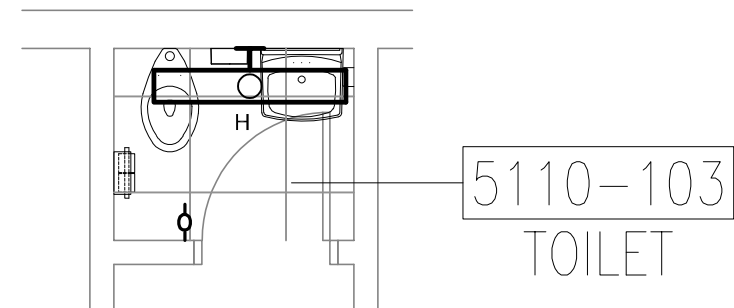
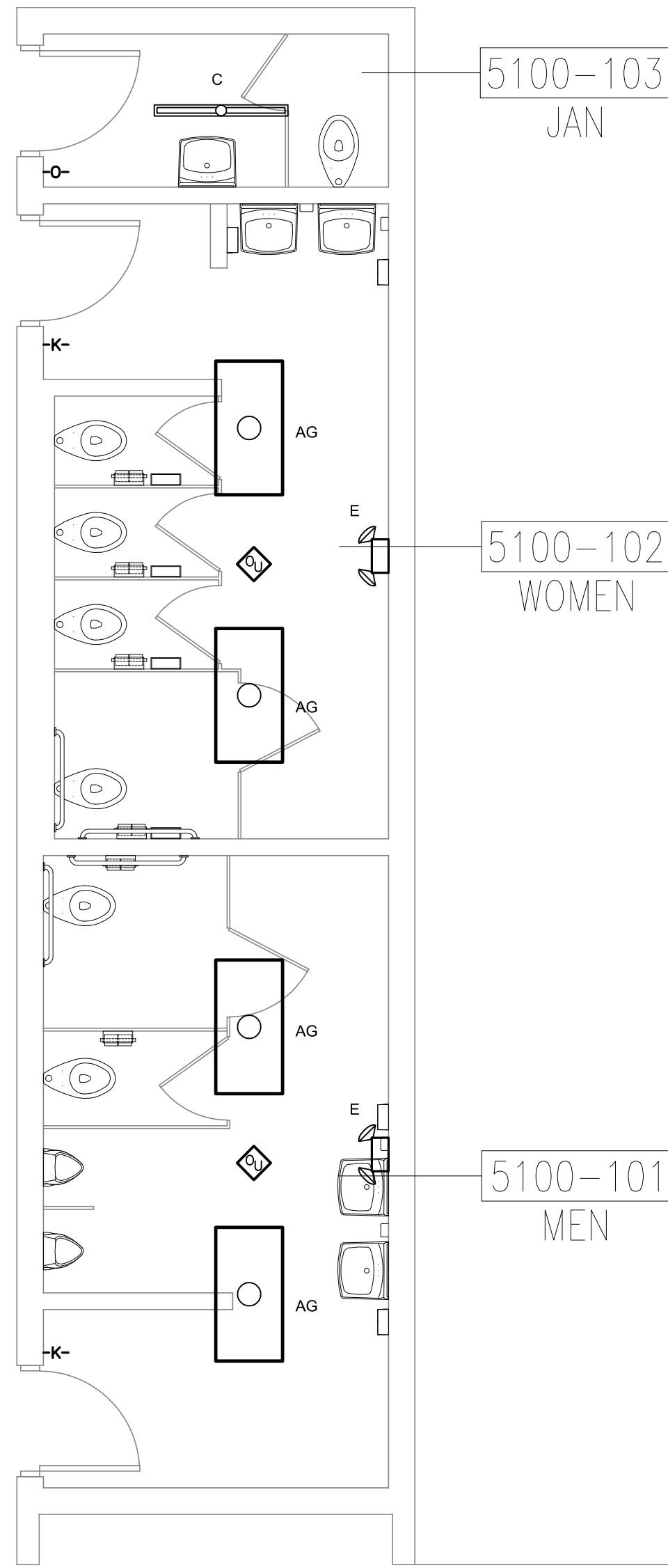
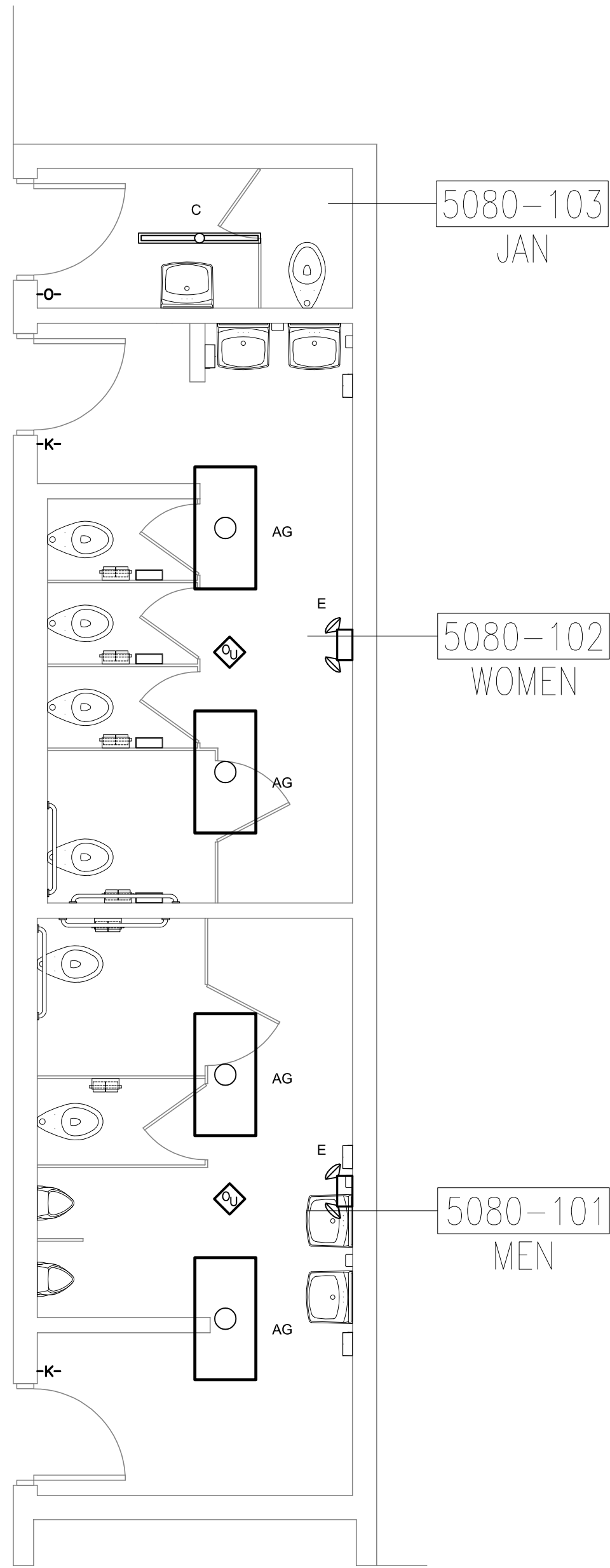
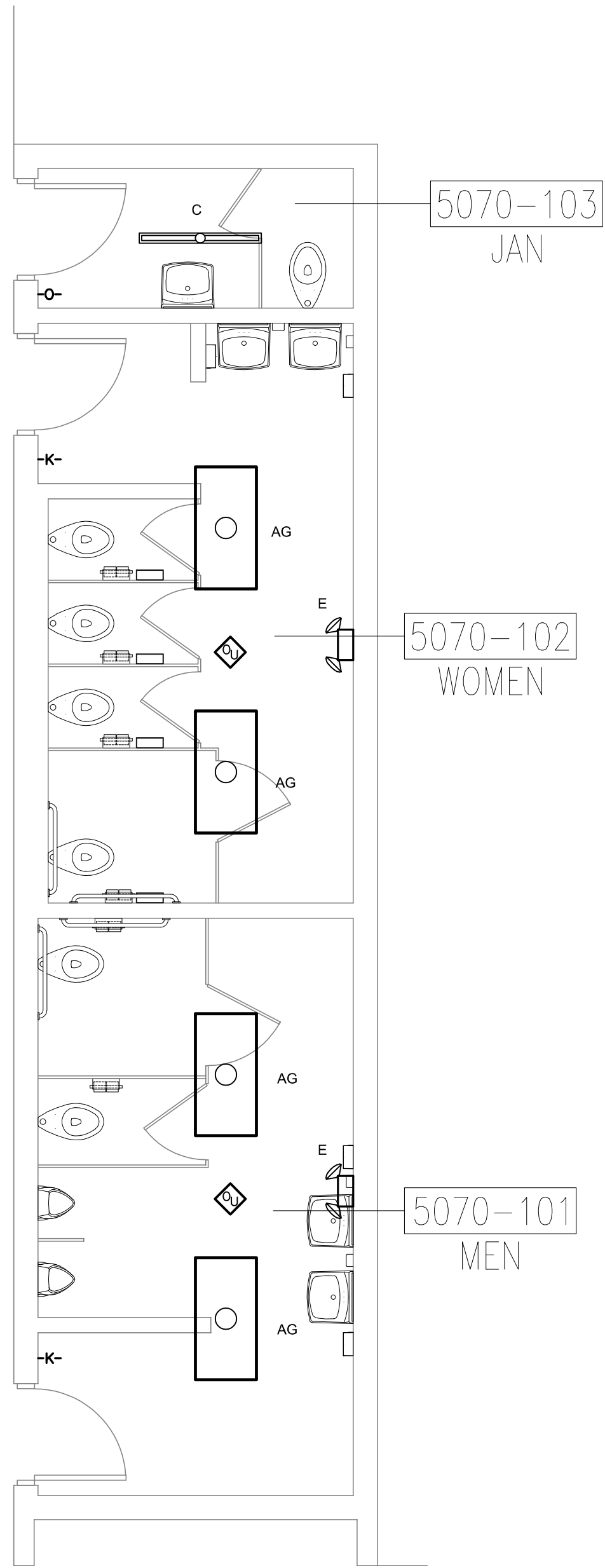
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E2001



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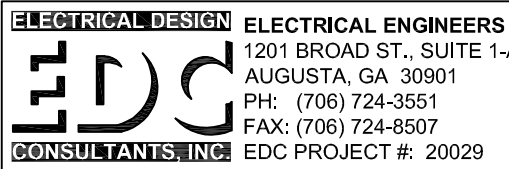




GENERAL NOTES:

- ALL EXISTING LIGHT FIXTURES IN AREAS OF RENOVATION ARE TO BE REMOVED AND REPLACED WITH NEW. SEE DEMOLITION NOTE 8 ON E1002 FOR ADDITIONAL INFORMATION.
- OCCUPANCY SENSOR SHALL BE LOCATED TO PROVIDE MAXIMUM COVERAGE FOR ROOM. REFER TO DETAILS AND MANUFACTURER LAYOUT FOR CONNECTIONS.
- PROVIDE UN-SWITCHED EMERGENCY "HOT" CONDUCTOR TO EACH EXIT SIGN, EMERGENCY LIGHT FIXTURE, TYPE E FIXTURE, AND TYPE EX FIXTURE.
- PROVIDE NEUTRAL CONDUCTOR TO ALL WALL MOUNTED OCCUPANCY SENSORS. IF SENSOR DOES NOT REQUIRE NEUTRAL, CAP NEUTRAL IN BOX.
- CONTRACTOR SHALL PROVIDE CLASS 2 600 VOLT RATED, 0-10 VOLT CONTROL WIRING FOR ALL L.E.D. FIXTURES WHERE CONTROLLED BY LOW-VOLTAGE CONTROLLER OR WALLBOX DIMMER. CONTROL WIRING SHALL BE ROUTED IN SAME CONDUIT AS LINE-VOLTAGE CONDUCTORS. CONTROL WIRING SHALL BE A MINIMUM #18 AWG COPPER TWISTED PAIR (PURPLE AND GRAY), JACKETED CABLE (TYPE 1TPJ) AND INSTALLED IN CONDUIT AND FLEX WHIPS TO FIXTURES. CONTRACTOR TO NOTE THAT THESE CONDUCTORS ARE NOT SHOWN IN THE LINE VOLTAGE CONDUCTOR COUNT. FIXTURE WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH. NO EXCEPTIONS.
- CONNECT ALL LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT IN EACH SPACE. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS/TRAVELERS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
- FOR ALL WALL MOUNT OCCUPANCY SENSORS, SWITCHES, AND OTHER DEVICES SHOWN, REMOVE EXISTING SWITCHES) AND PROVIDE SENSOR AND COVEPLATES. CONNECT TO LIGHT FIXTURES IN THE SPACE. UTILIZE EXISTING BACKBOX AND RECESSED CONDUIT FOR ALL WALL MOUNTED OCCUPANCY SENSORS AND SWITCHES WHERE POSSIBLE. COORDINATE ANY SURFACE MOUNT RACEWAY WITH ARCHITECT.

1 LIGHTING PLAN - TOILETS  
E2002 SCALE: 1/4"=1'-0"



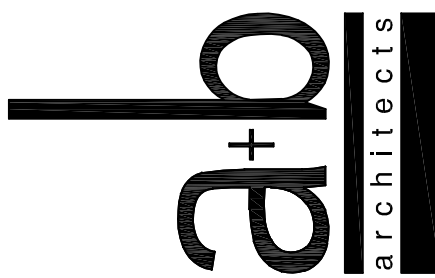
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WALK-IN NOTES

1. ELECTRICAL CONTRACTOR TO BRING ELECTRICAL SERVICE IN FROM ABOVE WALK-IN AND CONNECT TO 1/2" BOX INSIDE WALK-IN. ELECTRICAL CONTRACTOR TO MOUNT EXTRA LIGHTS AS SHOWN ON LAYOUT PLAN AND PROVIDE WATERTIGHT CONDUIT AND WIRING ACCORDING TO LOCAL CODES. CONDUIT TO BE ABOVE CEILING OF WALK-IN WHERE POSSIBLE.
2. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND FOUR #14 WIRES FROM CONDENSING UNIT AND TIME CLOCK TO BLOWER COIL IN WALK-IN FREEZER FOR TIMED OPERATION OF DEFROST COILS. WIRING TO TIMER BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR TO PROVIDE, MOUNT AND WIRE DUPLEX RECEPTACLE FOR BLOWER COIL ON WALK-IN COOLER.

GENERAL NOTES

1. DIMENSIONS INDICATED ARE TO BE VERIFIED AND ADJUSTED AS REQUIRED BY THE EQUIPMENT OR FIELD CONDITIONS. DIMENSIONS SHOWN DO NOT ALLOW FOR OBSTRUCTIONS ON WALLS AT TEXTURE HEIGHTS. ALL DIMENSIONS ARE FROM FINISHED WALL AND FLOOR LINES AND ARE AS ACCURATE AS CAN BE DETERMINED AT THIS TIME. NO RESPONSIBILITY IS ACCEPTED OR IMPLIED FOR ANY DISCREPANCIES BETWEEN DIMENSIONS SHOWN AND ACTUAL FINISHED DIMENSIONS, NOR FOR ANY VARIATIONS IN SERVICE REQUIREMENTS ON FIXTURES DELIVERED TO THE JOB SITE.
2. PLUMBING AND ELECTRICAL CONTRACTORS TO FURNISH ALL LABOR AND MATERIALS TO MAKE FINAL CONNECTIONS FROM SERVICE STUBS TO OUTLETS ON FIXTURES, INCLUDING ALL VALVES, FAUCETS, TRAPS, DISCONNECTS, CONTROL PANELS, CORDS, PLUGS, ECT.
3. UTILITIES SHOWN SUPPLY FOOD SERVICE ITEMS ONLY. ARCHITECT TO PROVIDE FOR ALL OTHER MECHANICAL REQUIREMENTS, CONVENIENCE OUTLETS, HAND SINKS, LIGHTS, ECT.
4. ALL EXPOSED OUTLETS IN KITCHEN AND SERVING AREA SHALL BE CAST METAL AND WATERPROOF.
5. ALL FLEXIBLE CONDUIT SHALL BE WATERPROOF.
6. WHERE KITCHEN EQUIPMENT SHOP DRAWINGS CALL FOR DIRECT CONNECTION AND A RECEPTACLE IS SHOWN ON DRAWING, PROVIDE RECEPTACLE, PLUG AND CORD SET.
7. INTERLOCK RANGE HOOD FIRE SUPPRESSION SYSTEM WITH SHUNT TRIP BREAKERS SERVING EQUIPMENT UNDER THE HOOD, SUCH THAT UPON SYSTEM ACTIVATION ALL POWER IS SHUT OFF. RANGE HOOD EXHAUST FAN SHALL REMAIN ON AND MAKE-UP AIR SHALL BE SHUT OFF. ALSO INTERLOCK WITH FIRE ALARM SYSTEM SUCH THAT A GENERAL ALARM IS SOUNDED UPON SYSTEM ACTIVATION.
8. BEFORE ROUGHING IN ANY OUTLETS OR ORDERING ANY RECEPTABLES, PLUGS, CORD SETS, DISCONNECTS, PANELBOARDS OR ANY ITEMS NECESSARY FOR THE CONNECTION OF KITCHEN EQUIPMENT, THE CONTRACTOR SHALL CONSULT THE SHOP DRAWINGS AND NAMEPLATE DATA OF EXISTING EQUIPMENT BEING REUSED FOR THE EQUIPMENT ACTUALLY BEING FURNISHED (UNDER THE CONTRACTOR OR BY THE OWNER) FOR THE PROJECT AND SHALL PROVIDE AND INSTALL DEVICES, CIRCUITS AND ANY OTHER APPURTENANCES COMPATIBLE WITH THE EQUIPMENT FURNISHED SHALL BE PROVIDED AT NO COST TO THE OWNER.
9. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL.
10. COORDINATE EXACT LOCATION OF WALK IN COOLER AND FREEZER COMPRESSOR LOCATIONS WITH ARCHITECT.
11. PROVIDE CORD AND PLUG SET FOR EACH PIECE OF KITCHEN EQUIPMENT LOCATED BENEATH HOOD, SHOWN AS FED FROM A DUPLEX RECEPTACLE.
12. ALL DISCONNECTS LOCATED IN KITCHEN AND DISH WASHING AREA SHALL BE NEMA 4X RATED.
13. HOMERUN CIRCUITS ARE SHOWN AS NOTED. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

ELECTRICAL NOTES

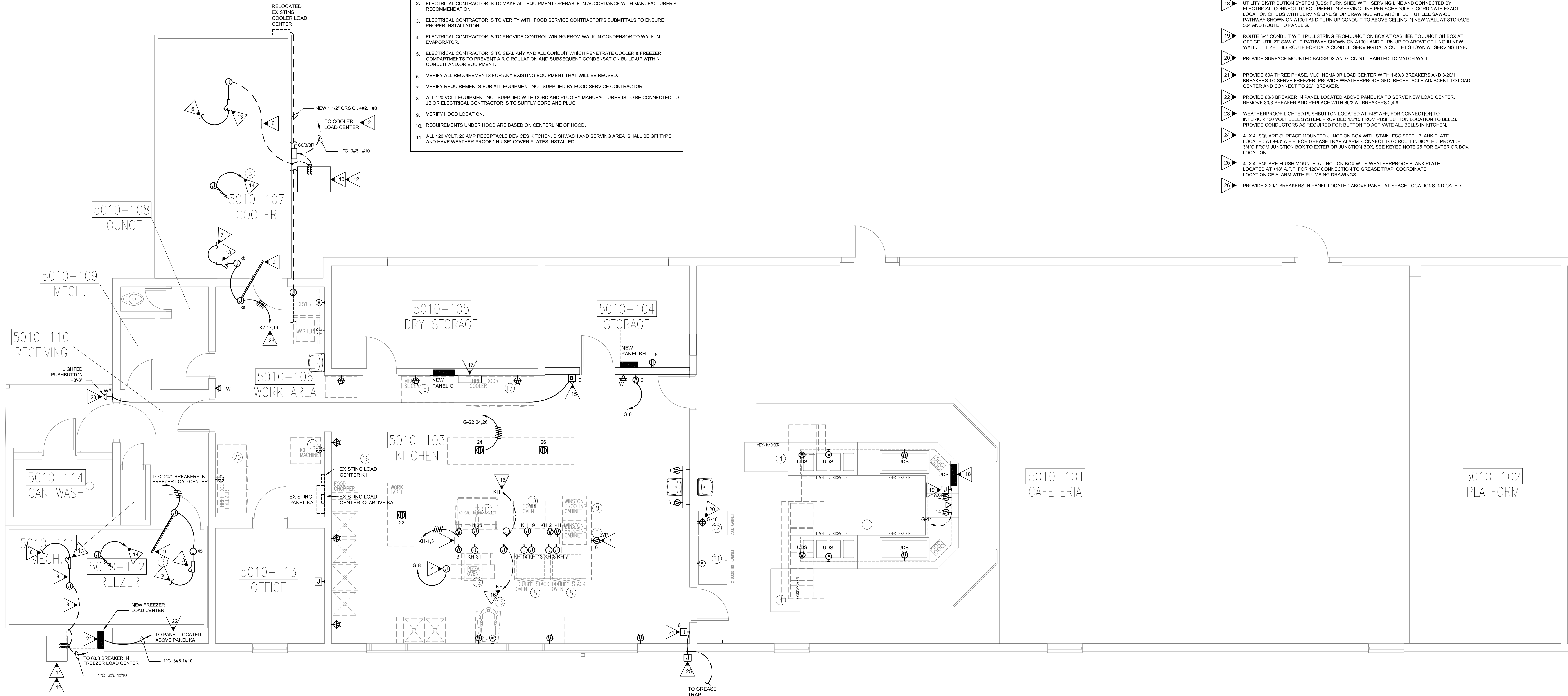
1. ELECTRICAL CONTRACTOR IS TO VERIFY ENLARGED SCALE KITCHEN PLAN REQUIREMENTS.
2. ELECTRICAL CONTRACTOR IS TO MAKE ALL EQUIPMENT OPERABLE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
3. ELECTRICAL CONTRACTOR IS TO VERIFY WITH FOOD SERVICE CONTRACTOR'S SUBMITTALS TO ENSURE PROPER INSTALLATION.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE CONTROL WIRING FROM WALK-IN CONDENSOR TO WALK-IN EVAPORATOR.
5. ELECTRICAL CONTRACTOR IS TO SEAL ANY AND ALL CONDUIT WHICH PENETRATE COOLER & FREEZER COMPARTMENTS TO PREVENT AIR CIRCULATION AND SUBSEQUENT CONDENSATION BUILD-UP WITHIN CONDUIT AND/OR EQUIPMENT.
6. VERIFY ALL REQUIREMENTS FOR ANY EXISTING EQUIPMENT THAT WILL BE REUSED.
7. VERIFY REQUIREMENTS FOR ALL EQUIPMENT NOT SUPPLIED BY FOOD SERVICE CONTRACTOR.
8. ALL 120 VOLT EQUIPMENT NOT SUPPLIED WITH CORD AND PLUG BY MANUFACTURER IS TO BE CONNECTED TO JB OR ELECTRICAL CONTRACTOR IS TO SUPPLY CORD AND PLUG.
9. VERIFY HOOD LOCATION.
10. REQUIREMENTS UNDER HOOD ARE BASED ON CENTERLINE OF HOOD.
11. ALL 120 VOLT, 20 AMP RECEPTACLE DEVICES KITCHEN, DISHWASH AND SERVING AREA SHALL BE GFI TYPE AND HAVE WEATHER PROOF "IN USE" COVER PLATES INSTALLED.

KITCHEN EQUIPMENT CONNECTION SCHEDULE

ITEM NO.	DESCRIPTION	CHARACTERISTICS					CONNECTION TYPE
		VOLTS	PH	P.A.	AMPS	CIRCUIT	
1	SERVING LINE REFRIGERATION	120	1	9.6	20	UDS	3/4"C, 3#12
1	SERVING LINE REFRIGERATION	120	1	9.6	20	UDS	3/4"C, 3#12
1	SERVING LINE 4 WELL TABLE	208	1	14.4	20	UDS	1"C, 4#12
1	SERVING LINE 4 WELL TABLE	208	1	14.4	20	UDS	1"C, 4#12
4	MERCHANDISER	120	1	10.7	20	UDS	3/4"C, 3#12
4	MERCHANDISER	120	1	10.7	20	UDS	3/4"C, 3#12
8	CONVECTION OVEN	208	3	35	50	KH-7	1"C, 3#6, 1#10
8	CONVECTION OVEN	208	3	35	50	KH-8	1"C, 3#6, 1#10
8	CONVECTION OVEN	208	3	35	50	KH-13	1"C, 3#6, 1#10
8	CONVECTION OVEN	208	3	35	50	KH-14	1"C, 3#6, 1#10
9	PROOFING CABINET	120	1	14.5	20	KH-2	3/4"C, 3#10
9	PROOFING CABINET	120	1	14.5	20	KH-4	3/4"C, 3#10
10	COMBI OVEN	208	3	52	70	KH-19	1 1/2"C, 3#4, 1#8
11	40 GAL. TILTING SKILLET	208	3	50	70	KH-25	1 1/2"C, 3#4, 1#8
12	PIZZA OVEN	208	1	27	50	KH-31	1"C, 3#6, 1#10
13	MIXER	208	3	16	30	EXISTING	CONNECTION TO REMAIN
16	FOOD CHOPPER	120	1	15	20	EXISTING	CONNECTION TO REMAIN
17	3 DOOR REACH IN REFRIG.	120	1	11.5	20	EXISTING	CONNECTION TO REMAIN
18	MEAT SLICER	120	1	5.6	20	EXISTING	CONNECTION TO REMAIN
19	ICE MACHINE	120	1	11.7	20	EXISTING	CONNECTION TO REMAIN
20	3 DOOR REACH IN REFRIG.	120	1	11.5	20	EXISTING	CONNECTION TO REMAIN
21	HOT CABINET	208	1	16	20	EXISTING	CONNECTION TO REMAIN
22	COLD CABINET	120	1	8.5	20	G-16	3/4"C, 3#12
23	SCALES	120	1	3	20	EXISTING	CONNECTION TO REMAIN

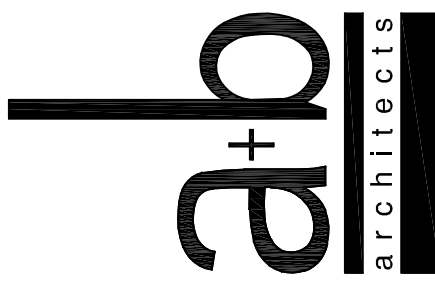
KEYED NOTES:

- 1 ALL OUTLETS SERVING EQUIPMENT BENEATH THE HOOD SHALL BE FLUSH WALL TYPE(TYPICAL) UTILIZE SAW-CUT PATHWAYS FROM LOW WALL TO PANEL KH. SEE A1001 FOR SAW-CUT PATHWAY.
- 2 PROVIDE 603 BREAKER IN EXISTING LOAD CENTER TO SERVE NEW CONDENSER.
- 3 WEATHER PROOF GFI RECEPTACLE AND OUTLET INSTALLED +18" ABOVE ROOF AT RANGE HOOD WITH WEATHERPROOF PLATE. ROOF FLASHING BY ROOFING CONTRACTOR.
- 4 JUNCTION BOX PROVIDED ON RANGE HOOD FOR CONNECTION TO LIGHTS FURNISHED WITH HOOD. CONNECTION AND LAMPS BY ELECTRICAL.
- 5 TO LIGHT FIXTURES AND LAMPS FURNISHED WITH UNIT, FIXTURES, MOUNTING, CONDUIT, CONDUCTORS, LAMPS AND CONNECTIONS BY ELECTRICAL.
- 6 1/2"C, 4#12 TO EVAPORATOR BLOWER.
- 7 TO LIGHT FIXTURES, SWITCHES AND DOOR HEATER FURNISHED WITH UNIT, FIXTURES, MOUNTING, CONDUIT, CONDUCTORS, LAMPS AND CONNECTIONS BY ELECTRICAL.
- 8 3/4"C, 4#12, 4#10 TO EVAPORATOR BLOWER AND HEATER.
- 9 FLEX CONNECTIONS FOR CONTROLS, ALARM AND TIMER.
- 10 208 VOLT, 3 PHASE COOLER CONDENSER UNIT.
- 11 208 VOLT, 3 PHASE FREEZER CONDENSER UNIT.
- 12 SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF COOLER AND FREEZER CONDENSER UNITS, ADJUST BRANCH CIRCUITRY AND DISCONNECT LOCATIONS ACCORDINGLY.
- 13 "EVS" SEAL OFF FITTING.
- 14 3/4" CONDUIT TO TELEPHONE BACKBOARD FOR FOR ALARM CONNECTION. WIRING CONNECTIONS TO ALARM PANEL BY OTHERS.
- 15 120/24 VOLT BUZZER WITH INTEGRAL TRANSFORMER MOUNT 8'-0" ABOVE FINISHED FLOOR.
- 16 1 1/2" CONDUIT ROUTED TO PANEL INDICATED FOR FUTURE USE. UTILIZE SAW-CUT SHOWN ON A1001.
- 17 INTERLOCK RANGE HOOD FIRE SUPPRESSION SYSTEM WITH SHUNT TRIPS IN PANEL BOARDS TO SHUT OFF ALL POWER WHEN SUPPRESSION SYSTEM IS ENERGIZED AND INTERLOCKED WITH FIRE ALARM TO SOUND GENERAL ALARM AND SEND SIGNAL TO LIQUID CRYSTAL DISPLAY ON FIRE ALARM CONTROL PANEL.
- 18 UTILITY DISTRIBUTION SYSTEM (UDS) FURNISHED WITH SERVING LINE AND CONNECTED BY ELECTRICAL. CONNECT TO EQUIPMENT IN SERVING LINE PER SCHEDULE. COORDINATE EXACT LOCATION OF UDS WITH SERVING LINE SHOP DRAWINGS AND ARCHITECT. UTILIZE SAW-CUT PATHWAY SHOWN ON A1001 AND TURN UP CONDUIT TO ABOVE CEILING IN NEW WALL AT STORAGE 5#4 AND ROUTE TO PANEL G.
- 19 ROUTE 3/4" CONDUIT WITH PULLSTRING FROM JUNCTION BOX AT CASHIER TO JUNCTION BOX AT OFFICE. UTILIZE SAW-CUT PATHWAY SHOWN ON A1001 AND TURN UP TO ABOVE CEILING IN NEW WALL. UTILIZE THIS ROUTE FOR DATA CONDUIT SERVING DATA OUTLET SHOWN AT SERVING LINE.
- 20 PROVIDE SURFACE MOUNTED BACKBOX AND CONDUIT PAINTED TO MATCH WALL.
- 21 PROVIDE 60A THREE PHASE, MLO, NEMA 3R LOAD CENTER WITH 1-6003 BREAKERS AND 3-2001 BREAKERS TO SERVE FREEZER. PROVIDE WEATHERPROOF GFCI RECEPTACLE ADJACENT TO LOAD CENTER AND CONNECT TO 2001 BREAKER.
- 22 PROVIDE 6003 BREAKER IN PANEL LOCATED ABOVE PANEL KA TO SERVE NEW LOAD CENTER. REMOVE 3003 BREAKER AND REPLACE WITH 6003 AT BREAKERS 2 & 5.
- 23 WEATHERPROOF LIGHTED PUSHBUTTON LOCATED AT +48" AFF. FOR CONNECTION TO INTERIOR 120 VOLT BELL SYSTEM. PROVIDED 1/2"C. FROM PUSHBUTTON LOCATION TO BELLS. PROVIDE CONDUCTORS AS REQUIRED FOR BUTTON TO ACTIVATE ALL BELLS IN KITCHEN.
- 24 4" X 4" SQUARE SURFACE MOUNTED JUNCTION BOX WITH STAINLESS STEEL BLANK PLATE LOCATED AT +48" A.F.F. FOR GREASE TRAP ALARM. CONNECT TO CIRCUIT INDICATED. PROVIDE 3/4"C FROM JUNCTION BOX TO EXTERIOR JUNCTION BOX. SEE KEYED NOTE 25 FOR EXTERIOR BOX LOCATION.
- 25 4" X 4" SQUARE FLUSH MOUNTED JUNCTION BOX WITH WEATHERPROOF BLANK PLATE LOCATED AT +18" A.F.F. FOR 120V CONNECTION TO GREASE TRAP. COORDINATE LOCATION OF ALARM WITH PLUMBING DRAWINGS.
- 26 PROVIDE 2-2001 BREAKERS IN PANEL LOCATED ABOVE PANEL AT SPACE LOCATIONS INDICATED.



1 POWER PLAN - KITCHEN/CAFETERIA  
E3001 SCALE: 1/4"=1'-0"

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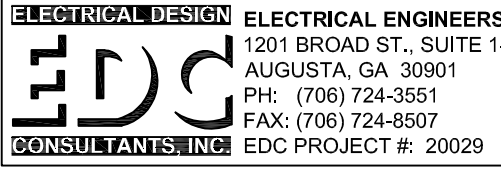


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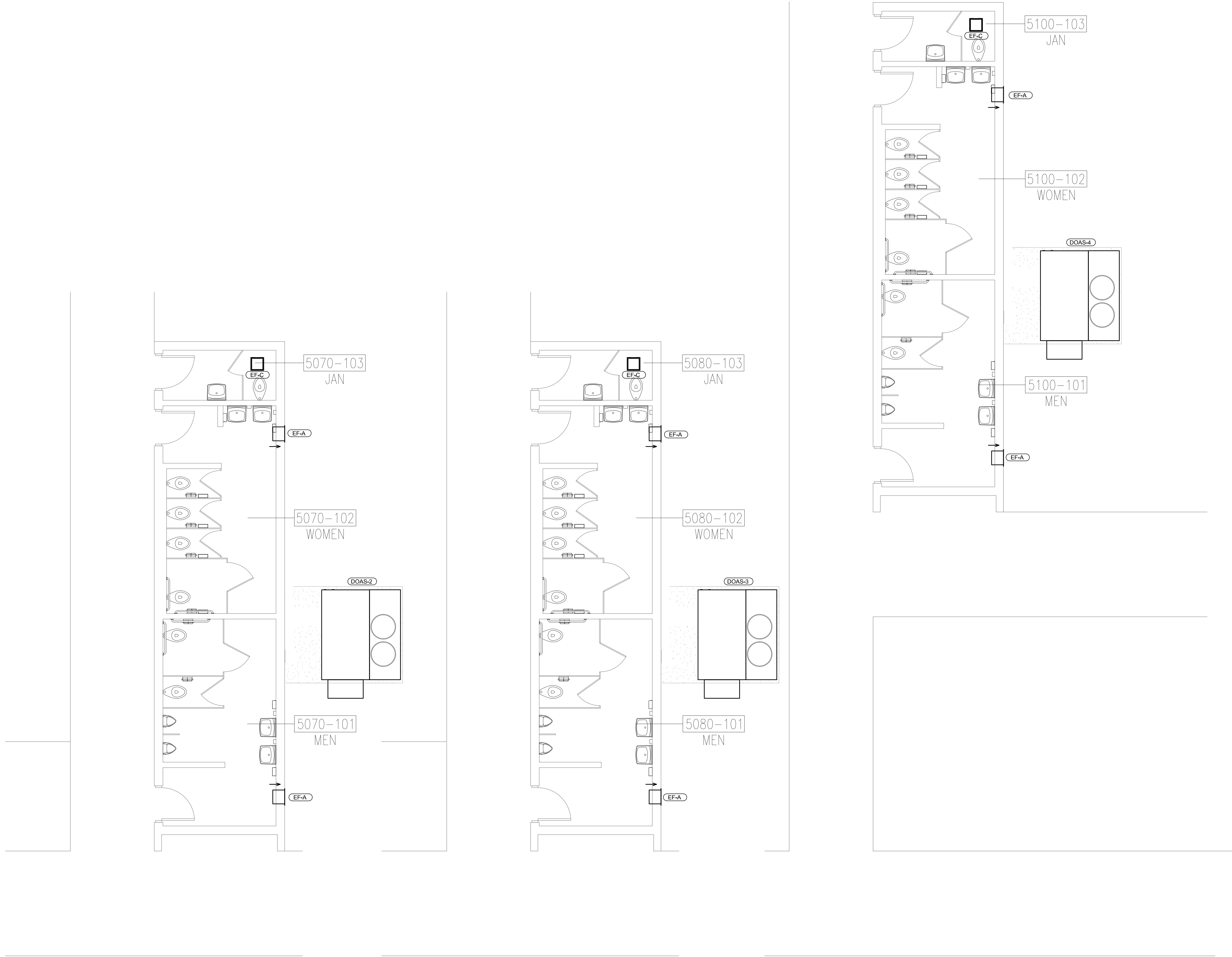
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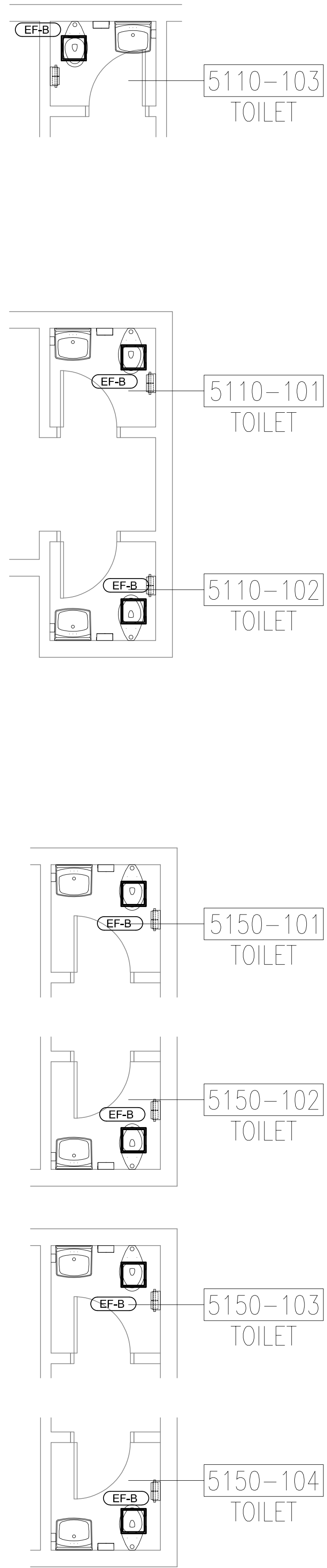
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GENERAL NOTES:  
1. SEE SHEET E4001 FOR MECHANICAL CONNECTION SCHEDULES AND GENERAL NOTES.



1 POWER PLAN - TOILETS  
E3002 SCALE: 1/4"=1'-0"

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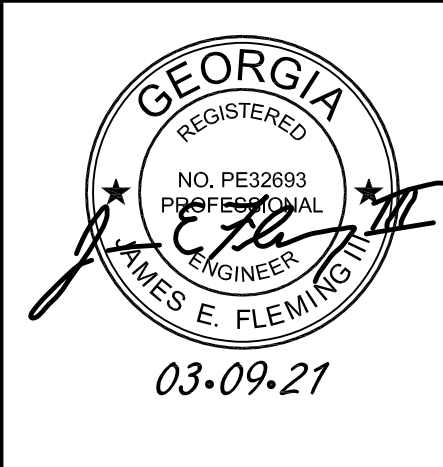
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E3002

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## GENERAL NOTES:

1. REFER TO MECHANICAL CONNECTION SCHEDULES FOR CIRCUIT DESIGNATIONS: WIRE AND CONDUIT SIZE, DISCONNECT MEANS, AND OTHER ELECTRICAL REQUIREMENTS FOR MECHANICAL PLUMBING AND FIRE PROTECTION EQUIPMENT.
2. COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
3. PROVIDE 120V CIRCUIT POWER TO ALL HVAC CONTROL PANELS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND POWER PLANS FOR CIRCUITING.
4. SEE DETAIL SHEETS FOR APPLICABLE HVAC ROUGH-IN DETAILS.
5. LOCATE DISCONNECT AT UNIT AS REQUIRED TO MAINTAIN PROPER CLEARANCES PER NEC.
6. ALL EXTERIOR DISCONNECTS SHALL BE RATED NEMA 3R RATED.



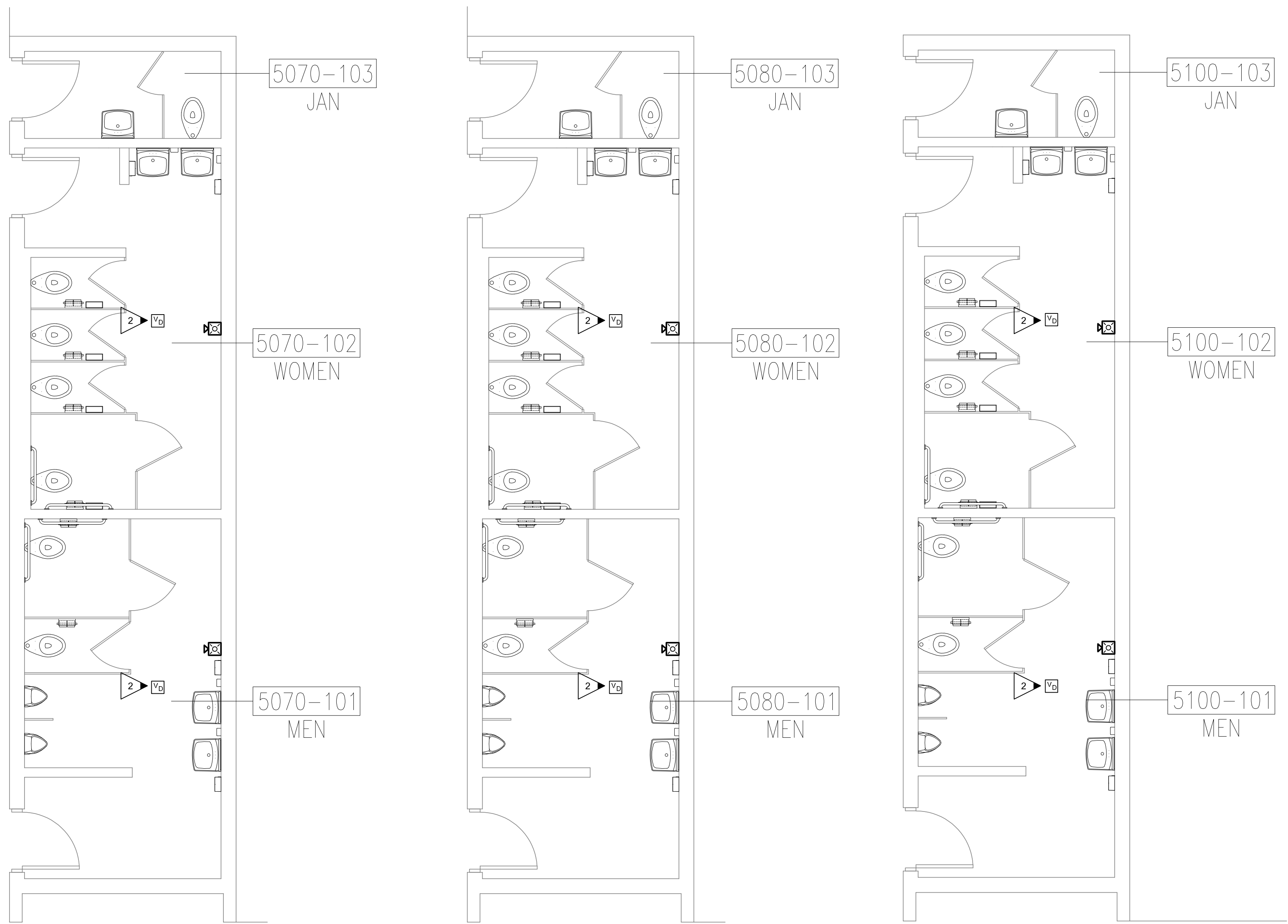


GENERAL NOTES:

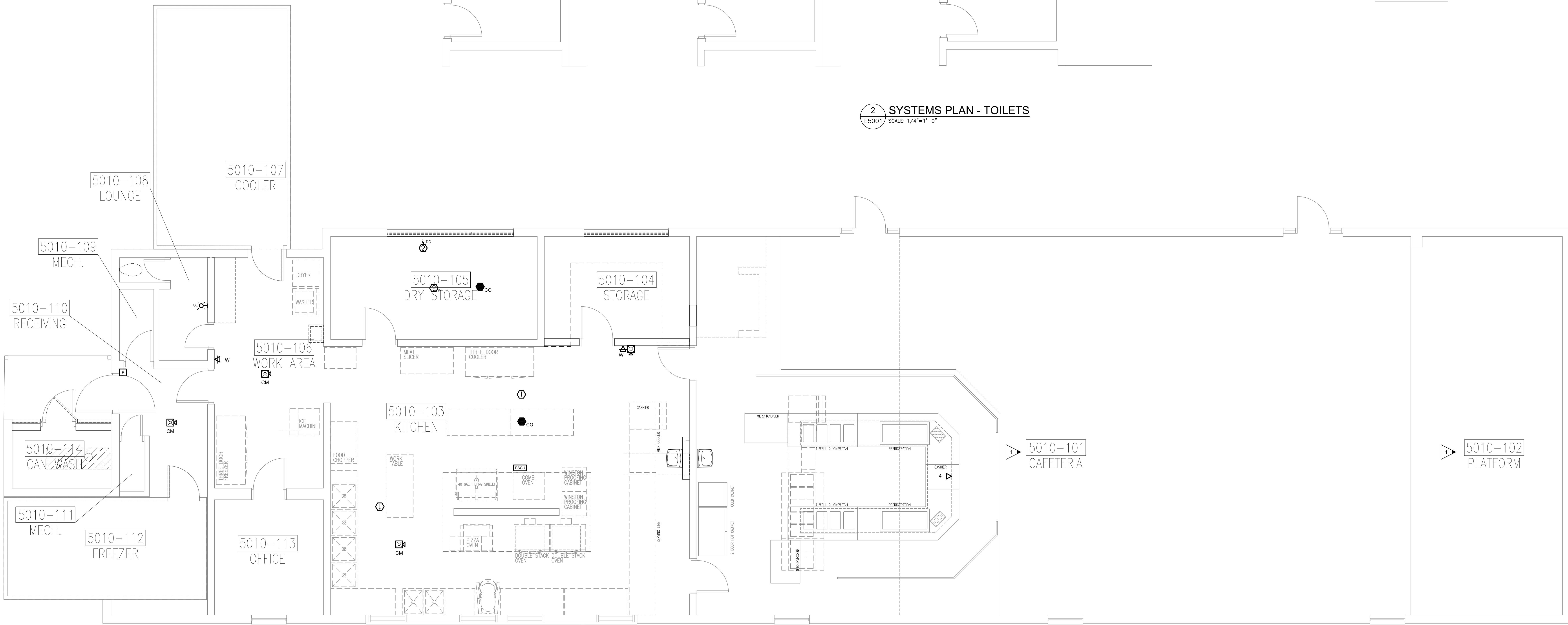
1. SEE GENERAL NOTES SHEET E0000 FOR ALL LOW VOLTAGE CONDUIT REQUIREMENTS AND DATA/VOICE SYSTEM NOTES AND LEGENDS.
2. ALL NEW FIRE ALARM SYSTEM DEVICES INSTALLED ON EXISTING WALLS SHALL BE ROUTED IN SURFACE MOUNTED CONDUIT AND BACKBOXES. UTILIZE EXISTING DEVICE LOCATIONS WHERE POSSIBLE.
3. NEW FIRE ALARM DEVICES AS SHOWN WILL CONNECT TO EXISTING FIRE ALARM CONTROL PANEL. SEE SHEET E1001 FOR LOCATION OF PANEL. PROVIDE POWER EXTENDERS AS REQUIRED TO LINK NEW DEVICES TO EXISTING SYSTEM. POWER EXTENDERS TO BE LOCATED IN ELECTRICAL ROOMS. COORDINATE LOCATIONS WITH ELECTRICAL PANELS SHOWN ON POWER PLANS.
4. EXISTING FIRE ALARM SMOKE DETECTORS, INTERCOM SPEAKERS, INTRUSION ALARM DETECTORS, CCTV CAMERAS, WIRELESS ACCESS POINTS, AND OTHER LOW VOLTAGE DEVICES IN AREAS WITH NEW CEILINGS SHALL BE REMOVED AND RECONNECTED ONCE THE NEW CEILING IS INSTALLED.
5. ALL DATA DROPS ON THIS PLAN SHALL BE ROUTED TO THE IDF RACK LOCATED ON E1001. ALL DATA CONDUIT SHALL BE RUN FROM DATA OUTLET LOCATION TO DATA RACK IN J HOOKS. PROVIDE BUSHINGS AT ENDS OF ALL CONDUITS.

KEYED NOTES:

- EXISTING FIRE ALARM DEVICES IN THIS AREA SHALL REMAIN.
- PROVIDE DATA DROP TO SERVE THIS POE DEVICE. ROUTE TO NEAREST IDF RACK. ALLOW 300' PER DROP (SHOWN FIELD) LOCATE NEAREST DATA RACK WITH OWNER PRIOR TO ROUGHING IN. ROUTE 3/4" FROM THIS DEVICE TO ABOVE ACCESSIBLE CEILING IN NEAREST WING WITH IDF RACK FOR ROUTING OF DATA CABLE.



2 SYSTEMS PLAN - TOILETS  
E5001 SCALE: 1/4"=1'-0"



1 SYSTEMS PLAN - KITCHEN/CAFETERIA  
E5001 SCALE: 1/4"=1'-0"

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E5001

PROJECT NO: 19037



DATA/VOICE CABLING LEGEND

- ▷ WALL MOUNTED (UNLESS NOTED OTHERWISE ON DRAWINGS) DATA OUTLET, TWO (2) CATEGORY 6e CABLE DROPS, TWO (2) CATEGORY 6e JACKS, NUMBER DESIGNATES QUANTITY OF DROPS.
- ▷ WALL MOUNTED (UNLESS NOTED OTHERWISE ON DRAWINGS) DATA OUTLET, TWO (2) CATEGORY 6e CABLE DROPS, TWO (2) CATEGORY 6e JACKS, NUMBER DESIGNATES QUANTITY OF DROPS.
- ▷ EMPTY BOX WITH ONE (1) GANG STAINLESS STEEL BLANK PLATE, PROVIDE PULL STRING IN EMPTY CONDUIT TO ABOVE ACCESSIBLE CEILING.
- ▷ "W" WHERE SHOWN, INDICATES TWO (2) CAT 6e DATA DROPS 6" ABOVE DROP TILE CEILING OR AT STRUCTURE TO SERVE OWNER PROVIDED WIRELESS ACCESS POINT, PROVIDE TWO (2) 20" - PURPLE PATCH CORDS AT EACH "W" LOCATION SHOWN.
- ▷ ONE(1) VOICE DROP, HARD WIRED, NON VOIP
- ▷ SMART SENSOR WITH POE CONNECTION, ONE(1) CAT 6e DATA DROP PER DEVICE.

GENERAL NOTES: (DATA/VOICE CABLING)

1. ADDITIONAL WALL SLEEVES AND WALL PENETRATIONS, WILL BE REQUIRED FOR NETWORK CABLING, PROVIDE AS NECESSARY AND FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS.
2. ALL CABLING SHALL BE BUNDLED AND SUPPORTED BY STRUCTURE ABOVE OR BY WALL AT EVERY 4-5 FEET. SUPPORT OF CABLING BY CEILING GRID OR GRID SUPPORT WIRES IS NOT ACCEPTABLE. PROVIDE D-RINGS, J-HOOKS OR OTHER SUPPORT MEANS AS PER EWITA STANDARDS. ROUTE IN CABLE TRAY WHERE TRAY IS SHOWN.
3. ALL CABLING SHALL BE PLENUM RATED, OUTER JACKET ON ENHANCED CAT. 6e DATA CABLING SHALL BE BLUE, VOICE / VOIP SHALL BE WHITE, CCTV CABLING SHALL BE PINK AND WIRELESS CABLING SHALL BE PURPLE.
4. ALL DATA OUTLET JACKS SHALL BE PROVIDED WITH THE FOLLOWING LABELING NOMENCLATURE:
- X XXX  
SEQUENTIAL NUMBER LEFT TO RIGHT BEGINNING WITH TOP PATCH PANEL TO LAST PATCH PANEL IN RACK, IE. 1-223, 1-224  
"M" FOR MDF OR DESIGNATION FROM WHICH JACK IS SERVED.  
"X" FOR IDF-X  
ALL PATCH PANELS AND 110 BLOCKS SHALL BE CORRESPONDINGLY LABELED.
5. PROVIDE METAL D-RING OR RING RUNS AS NECESSARY TO PROPERLY LACE AND SUPPORT ALL VOICE CABLING AT TELEPHONE BACKBOARDS.
6. PROVIDE BRUSHED STAINLESS STEEL, TYPE 302 COVER PLATES, WITH KEYSTONE JACKS, COLOR AS NOTED, DATA/VOICE = BLUE, CCTV = GREEN, WIRELESS DROPS = PURPLE.
7. TY-WRAPS SHALL NOT BE CINCHED DOWN TIGHT ENOUGH TO DEFORM CABLES, MAINTAIN MINIMUM BEND RADIUS ON FIBER, TIE CABLES, STATION WIRES, AND PATCH CORDS.
8. ALL DATA / VOICE / CCTV CABLING SHALL BE ENHANCED CAT. 6e AS NOTED IN SPECIFICATIONS, (NO EXCEPTIONS), WAP (W) CABLING SHALL BE CAT.6A (AUGMENTED), (NO EXCEPTIONS).
9. INCLUDE IN BASE BID FOUR (4) ADDITIONAL TELECOMMUNICATIONS DROPS TO BE LOCATED BY OWNER/ENGINEER, INCLUDE ALL LABOR AND TESTING FOR A COMPLETE INSTALLATION.
10. ANY DATA DROPS ROUTED IN UNDERGROUND CONDUIT SHALL BE UNDERGROUND DUCT RATED.
11. PROVIDE PATCH CORDS AT STATION END AND RACK END, PATCH CORDS SHALL BE COLOR CODED TO MATCH CABLE. SEE SPECIFICATIONS FOR PATCH CORD INFORMATION, PROVIDE 5', 6', OR 7' PATCH CORDS AT RACK END, LENGTH AS REQUIRED FOR PROPER CORD LACING, PROVIDE 10' CORDS AT STATION END OR 25' AS REQUIRED FOR COMPUTER ROOMS.
12. ALL DATA ELECTRONICS, WAPS, AND VOIP SYSTEM COMPONENTS ARE NIC AND PROVIDE BY OWNER.
13. PRIOR TO ROUGH IN AND INSTALL OF ANY PATCH PANELS OR EQUIPMENT, COORDINATE AN ON-SITE MEETING WITH OWNER (CCSS IT DEPARTMENT), ADJUST SPACING OF EQUIPMENT AND MOUNTING AS DIRECTED BY OWNER
14. DURING SUBMITTAL PHASE, DATA/VOICE CABLING CONTRACTOR SHALL SUBMIT A CABLE ROUTING PLAN SHOWING PROPOSED CABLE ROUTING AND NOTE CABLE DISTANCES (DISTANCE TO INCLUDE SERVICE LOOPS), CABLING DISTANCES SHALL NOT EXCEED 300 FEET, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.

GENERAL NOTES:

1. TELECOMMUNICATIONS SHALL BE USED TO REFER TO ALL DATA/VOICE CABLING.
2. SEE INDIVIDUAL 1/4" POWER PLANS FOR EXACT TELECOMMUNICATIONS LOCATIONS.
3. ALL DATA DROPS LOCATED IN AREAS WITH EXPOSED STRUCTURE SHALL BE ROUTED IN CONDUITS.
4. ALL LOW VOLTAGE SYSTEM STUB UP CONDUITS SHALL HAVE A 90 DEG. ELBOW TURNED OUT ABOVE CEILING AND TERMINATED WITH AN ARLINGTON BUSHING.
5. LOW VOLTAGE SYSTEMS CONDUIT REQUIREMENTS:
- A) FIRE ALARM SYSTEM CABLING SHALL BE IN CONDUIT, ALL CONDUIT, BACKBOXES, AND COVERS SHALL BE PAINTED RED (ENTIRELY).
- B) ALL DATA/VOICE BACKBOXES AND STUB UP CONDUIT SHALL BE PAINTED BLUE (ENTIRELY).
- C) ALL LOW VOLTAGE CABLING FREE AIRED ABOVE ACOUSTICAL TILE IN CORRIDOR **ONLY** SHALL BE PLENUM RATED AND J-HOOKED TO DATA RACK, WHERE CABLE IS ROUTED CONCEALED DOWN IN WALLS, ABOVE INACCESSIBLE CEILINGS OR IN AREAS WITH EXPOSED STRUCTURE (NO ACOUSTICAL TILE CEILING), LOW VOLTAGE CABLING SHALL BE INSTALLED IN CONDUIT.
6. DATA/VOICE SYSTEMS SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED STRUCTURE OR NON ACCESSIBLE CEILINGS ARE PRESENT, CONDUIT SHALL BE ROUTED TO NEAREST IDF ROOM.

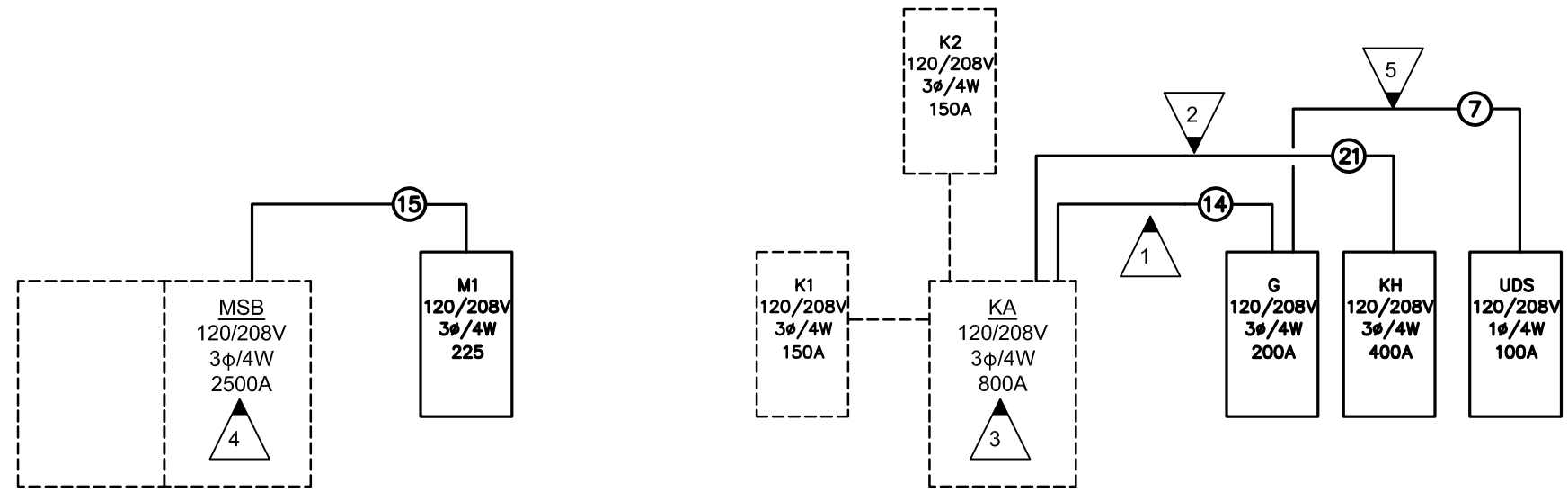
KEYED NOTES:

- ▷ CONNECT PANEL "Q" TO EXISTING 200/3 BREAKER AT KA-2, UPDATE PANEL DIRECTORY TO INDICATE NEW LOAD.
- ▷ CONNECT PANEL "10" TO EXISTING 400/3 BREAKER AT KA-6, UPDATE PANEL DIRECTORY TO INDICATE NEW LOAD.
- ▷ PROVIDE 175/3 BREAKER AND ASSOCIATED MOUNTING EQUIPMENT IN EXISTING SQUARE D I-LINE PANEL KA AT KA-4 TO FEED MAU-1.
- ▷ PROVIDE 225/3 BREAKER AND ASSOCIATED MOUNTING EQUIPMENT IN EXISTING SQUARE D POWER-LINE SWITCHBOARD MSB AT SPACE LOCATION TO FEED PANEL M1.
- ▷ FIELD COORDINATE UDS BREAKER SIZE WITH UDS MANUFACTURER PRIOR TO ORDERING PANEL "Q".

FEEDER SCHEDULE

DESIGNATION	AMPERES	COPPER CONDUCTORS		DESIGNATION	AMPERES	COPPER CONDUCTORS	
		CONDUIT	CONDUCTORS			CONDUIT	CONDUCTORS
①	30A	1"	3#10, 1#10G	⑮	300A	3"	4#350 MCM, 1#4G
②	30A	1"	4#10, 1#10G	⑮	350A	4"	4#500 MCM, 1#10G
③	50A	1"	3#8, 1#10	⑮	350A	4"	5#500 MCM, 1#10G (200% NEUTRAL)
④	60A	1 1/4"	4#6, 1#8G	⑮	400A	4"	4#500 MCM, 1#3G
⑤	60A	1 1/4"	3#8, 1#2, 1#8G (200% NEUTRAL)	⑮	500A	2-3"	4#250MCM, 1#2G (IN EACH)
⑥	75A	1 1/4"	3#4, 1#8G	⑮	600A	2-4"	4#350MCM, 1#1G (IN EACH)
⑦	100A	1 1/2"	3#2, 1#8G	⑮	800A	2-4"	4#500 MCM, 1#10G (IN EACH)
⑧	100A	1 1/2"	4#2, 1#8G	⑮	1000A	3-4"	4#400 MCM, 1#20G (IN EACH)
⑨	100A	1 1/2"	4#2, 1#3/0, 1#8G (200% NEUTRAL)	⑮	1200A	4-4"	4#350 MCM, 1#30G (IN EACH)
⑩	125A	2"	4#2, 1#8G	⑮	1600A	5-4"	4#400 MCM (IN EACH)
⑪	150A	2"	4#1/0, 1#8G	⑮	3000A	6-4"	4#500 MCM (IN EACH)
⑫	150A	2"	5#1/0, 1#6G (200% NEUTRAL)	⑮	225A	2 1/2"	4#4/0
⑬	175A	2"	3#2/0, 1#6G	⑮	600A	2-4"	4#350MCM, (IN EACH)
⑭	200A	2"	4#3/0, 1#6G	⑮	800A	2-4"	4#500 MCM, (IN EACH)
⑮	225A	2 1/2"	4#4/0, 1#2G	⑮	1000A	3-4"	4#400 MCM, (IN EACH)
⑯	225A	3"	5#4/0, 1#2G (200% NEUTRAL)	⑮	2000A	6-4"	4#400 MCM, (IN EACH)
⑰	250A	3"	4#250MCM, 1#4G	⑮	2600A	7-4"	4#500 MCM (IN EACH)

\*\*\* NOTES  
1. CONTRACTOR SHALL CONFIRM ALL PANELBOARDS AND SWITCHGEAR ARE PROVIDED WITH APPROPRIATE LUGS (SIZE AND QUANTITY) TO ACCEPT THE FEEDERS SHOWN ABOVE. PROVIDE COORDINATION LETTER WITH SUBMITTALS NOTING SUCH.



1 POWER RISER DIAGRAM  
E5000 SCALE: NOT TO SCALE

PANEL G											
VOLTAGE		208	/120	MAIN AMPS		200	LOCATION		KITCHEN 5010-103		
PHASE		3		A.I.C. RATING		22,000	MOUNTING		SURFACE		
WIRE		4					MAIN		LUGS ONLY		
SERVING	LOAD (KVA)		BREAKER		OCT NO.	P	LOAD (KVA)		SERVING		
	LTS	REC	HVAC	MISC			LTS	REC		HVAC	MISC
EXISTING LOAD	0.8				20	1	1		EXISTING LOAD		
EXISTING LOAD	0.8				20	1	3				
SPARE					20	1	5		RECEPTACLES		
					20	1	7		HOOD LIGHTS		
EXISTING LOAD	0.8				20	1	9		SPARE		
EXISTING RECEPTS	0.8				20	1	11		SPARE		
SPARE					20	1	13		RECEPTACLES		
SPARE					20	1	15		COLD CABINET		
SPARE					20	1	17		SPARE		
SPARE					30	3	19				
					21				CEILING RECEPTACLES		
					23				CEILING RECEPTACLES		
U.D.S.					2	25			SPARE		
SPACE					27						
					29						
LOAD ANALYSIS						NOTES					
LIGHTING LOAD (KVA)		1.0	0	X 125%	1.3	1 * PROVIDE GFCI BREAKER					
RECEPTACLE LOAD (KVA)		7.0	0	NEC 220.44	7.0						
HVAC LOAD (KVA)		0.0	0	X 100%	0.0						
MISC LOAD (KVA)		14.1	0	X 100%	14.1						
TOTAL DEMAND KVA					22.4						
TOTAL AMPERAGE					62.0						

PANEL KH											
VOLTAGE		208	/120	MAIN AMPS		400	LOCATION		STORAGE 5010-104		
PHASE		3		A.I.C. RATING		22,000	MOUNTING		SURFACE		
WIRE		4					MAIN		SHUNT TRIP BREAKER		
SERVING	LOAD (KVA)		BREAKER		OCT NO.	P	LOAD (KVA)		SERVING		
	LTS	REC	HVAC	MISC			LTS	REC		HVAC	MISC
RECEPTACLES	0.2				20	1	1		PROOFING CABINET		
RECEPTACLES	0.2				20	1	3		PROOFING CABINET		
SPARE					20	1	5		SPARE		
CONVECTION OVEN					12.5	50	3		CONVECTION OVEN		
					9						
					10						
					11						
CONVECTION OVEN					12	3	50		CONVECTION OVEN		
					14						
					15						
					16						
					17						
COMBI OVEN/STEAMER					18.0	70	3	19	SPARE		
					20						
					21						
					22						
					23						
TILTING SKILLET					24	3	50		SPARE		
					25						
					26	3	50		SPARE		
					27						
					28						
					29						
PIZZA OVEN					5.5	50	2	31	SPARE		
					32						
SPARE					30	2	35				
					33						
SPARE					30	2	39		SPARE		
					34						
					35						
					36						
					37						
					38	3	30				
					39						
					40						
					41						
LOAD ANALYSIS						NOTES					
LIGHTING LOAD (KVA)		0	0	X 125%	0.0	1 PROVIDE SHUNT TRIP MAIN BREAKER AND INTERLOCK TO FIRE					
RECEPTACLE LOAD (KVA)		0.4	0	NEC 220.44	0.4	ALARM AND HOOD EXTINGUISHING SYSTEM.					
HVAC LOAD (KVA)		0	0	X 100%	0.0						
MISC LOAD (KVA)		94.9	0	X 100%	94.9						
TOTAL DEMAND KVA					95.3						
TOTAL AMPERAGE					264.5						

PANEL M1											
VOLTAGE		208 /120		MAIN AMPS		225		LOCATION		C WING EXTERIOR	
PHASE		3		A.I.C. RATING		22,000		MOUNTING		SURFACE	
WIRE		4						MAIN		LUGS ONLY	
SERVING	LOAD (KVA)				BREAKER		OCT NO.	LOAD (KVA)		SERVING	
	LTS	REC	HVAC	MISC	AMPS	P		LTS	REC		HVAC
DOAS-2			20.0		60	3	1				DOAS-3
							3				
							5				
							6				
DOAS-4			20.0		60	3	7				SPARE
							9				
							10				
SPARE					30	3	11				SPARE
							13				
							15				
							16				
							17				
SPACE							19		20	3	SPACE
							21				
							22				
							23				
							24				
SPACE							25		26	3	SPACE
							27				
							28				
							29		30		
NOTES											
LOAD ANALYSIS								1 PANEL SHALL BE NEMA 3R RATED.			
LIGHTING LOAD (KVA)		0	X 125%	0				2			
RECEPTACLE LOAD (KVA)		0	NEC 220.44	0				1			
HVAC LOAD (KVA)		60.0	X 100%	60.0				2			
MISC LOAD (KVA)		0	X 100%	0.0				3			
TOTAL DEMAND KVA				60.0				4			
TOTAL AMPERAGE				166.5				5			



