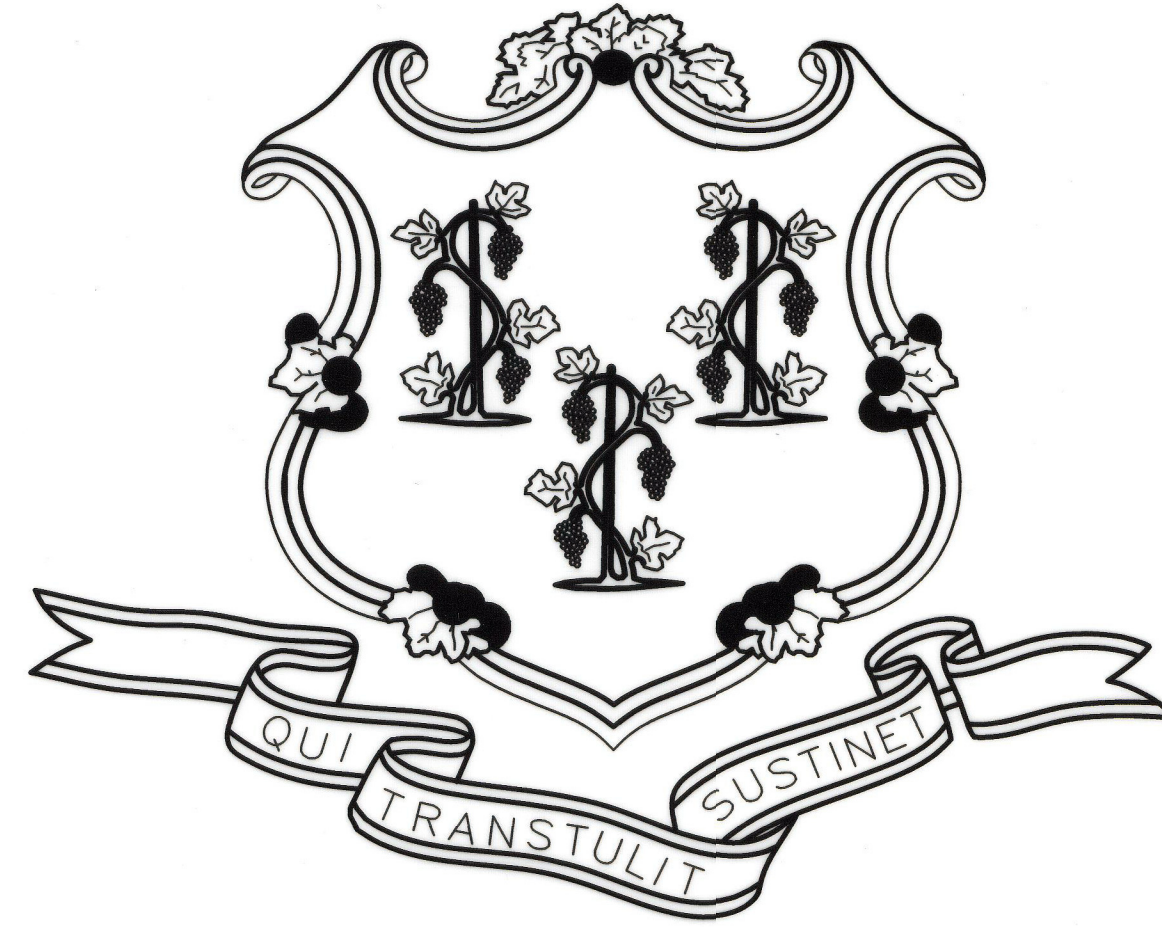


STATE OF CONNECTICUT



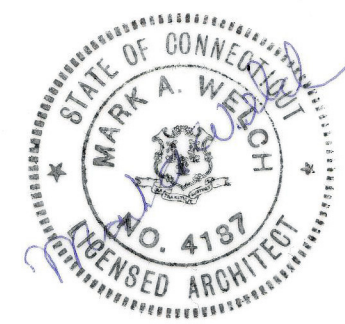
DANNEL P. MALLOY GOVERNOR

DEPARTMENT OF ADMINISTRATIVE SERVICES
 MELODY A. CURREY
 COMMISSIONER

**BATHROOM RENOVATIONS AND ADA UPGRADES
 410 CAPITOL AVENUE
 HARTFORD, CONNECTICUT
 PROJECT NO. BI-2B-400**

BID SET 9-14-2018

ARCHITECTS AND ENGINEERS



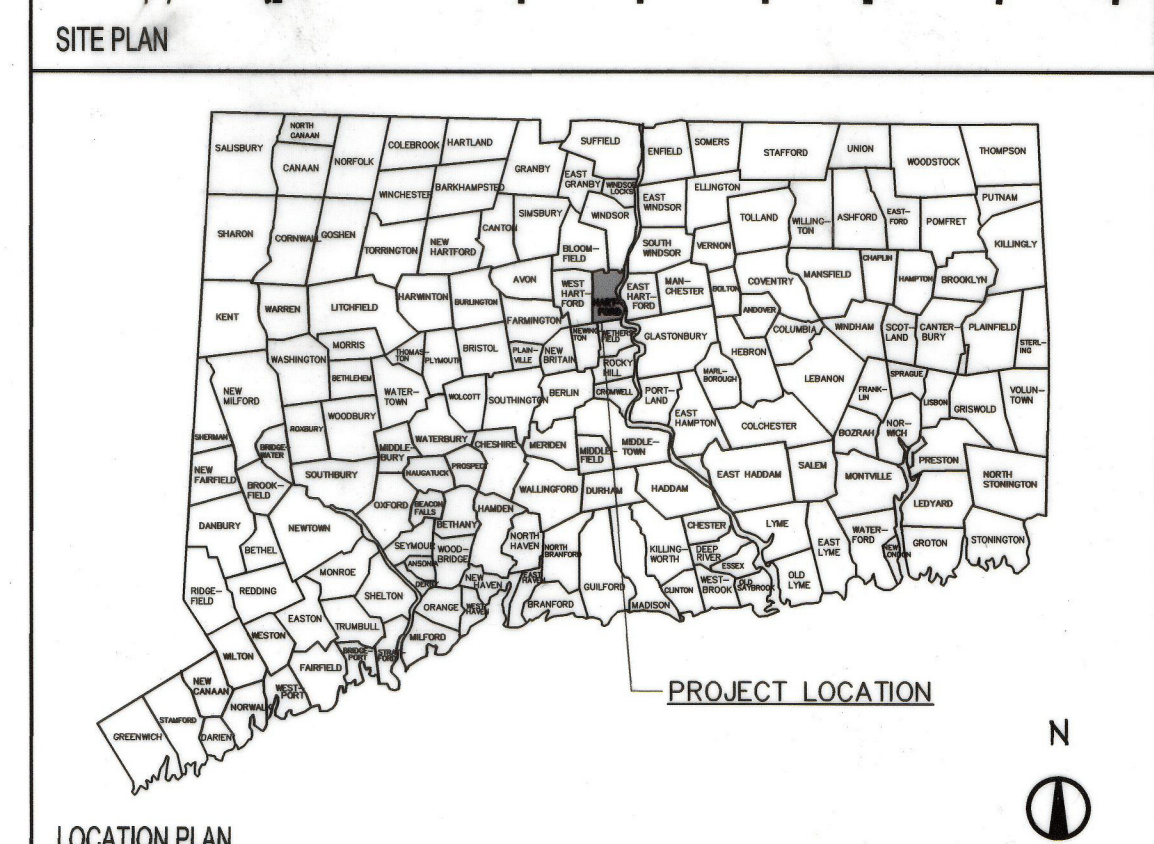
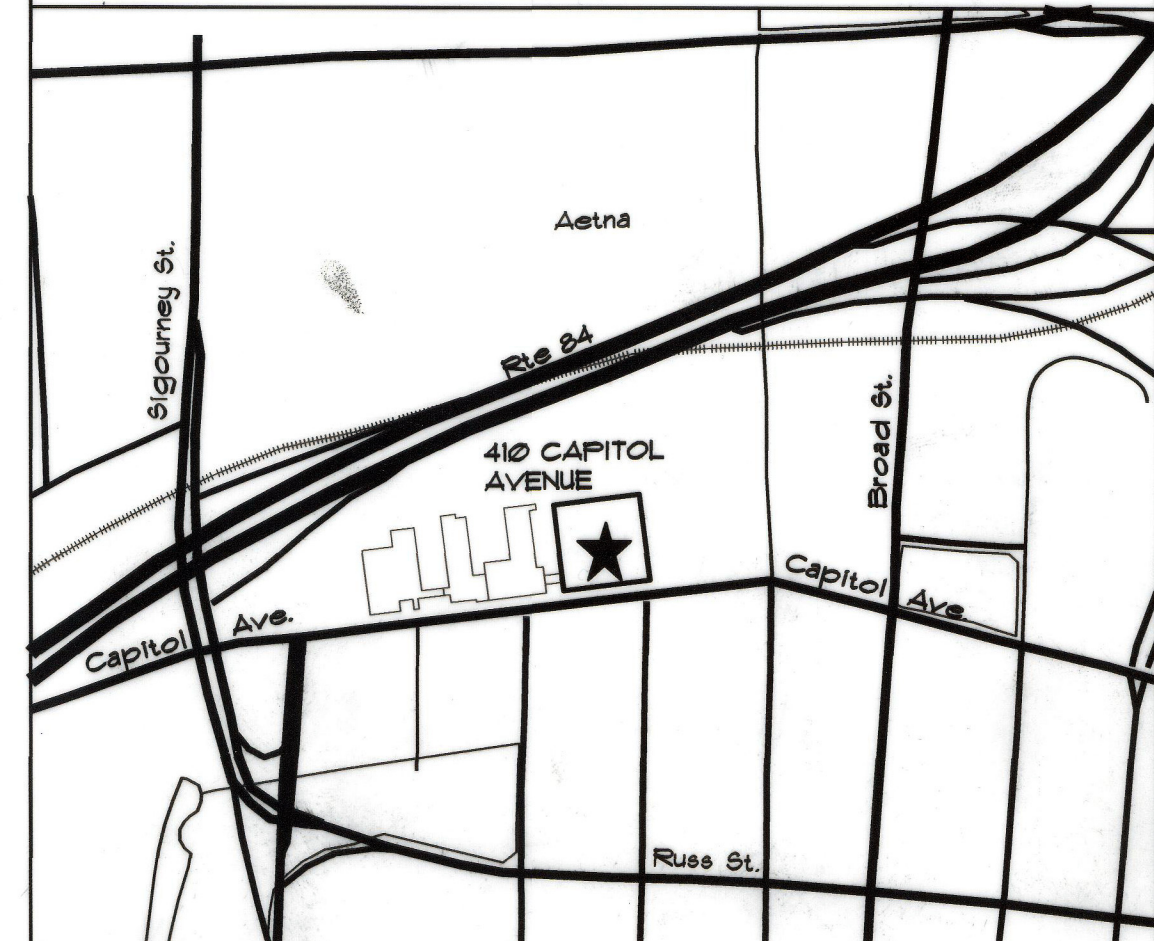
QGL CONSULTING ENGINEERS, LLC
 32 Maple Ave
 Windsor, CT. 06095
 TEL (860) 236-4288



CONTRACT DRAWINGS

NO.	TITLE
	COVER SHEET
A0.01	CODE, GENERAL NOTES AND SYMBOLS
A0.02	PHASING PLAN, WORK AREA
A1.00	DEMOLITION PLANS AND NOTES
A1.01	TYPICAL FLOOR PLANS & REFLECTED CEILING PLAN
A2.01	INTERIOR ELEVATIONS AND WALL TYPES
A3.01	SCHEDULES AND DETAILS
FP.01	FIRE PROTECTION PLANS
P0.01	PLUMBING SCHEDULE AND SPECIFICATIONS
P0.02	PLUMBING DETAILS
P1.01	PLUMBING DEMOLITION PLANS
P2.01	PLUMBING WATER PIPING PLANS
P2.02	PLUMBING DRAIN, WASTE AND VENT PLANS
P3.01	PLUMBING RISER DIAGRAMS
M1.01	MECHANICAL DEMOLITION PLANS
M2.01	MECHANICAL PLANS
E1.01	ELECTRICAL DEMOLITION PLANS
E2.01	ELECTRICAL PLANS

D.C.S BUILDING NUMBER 20631

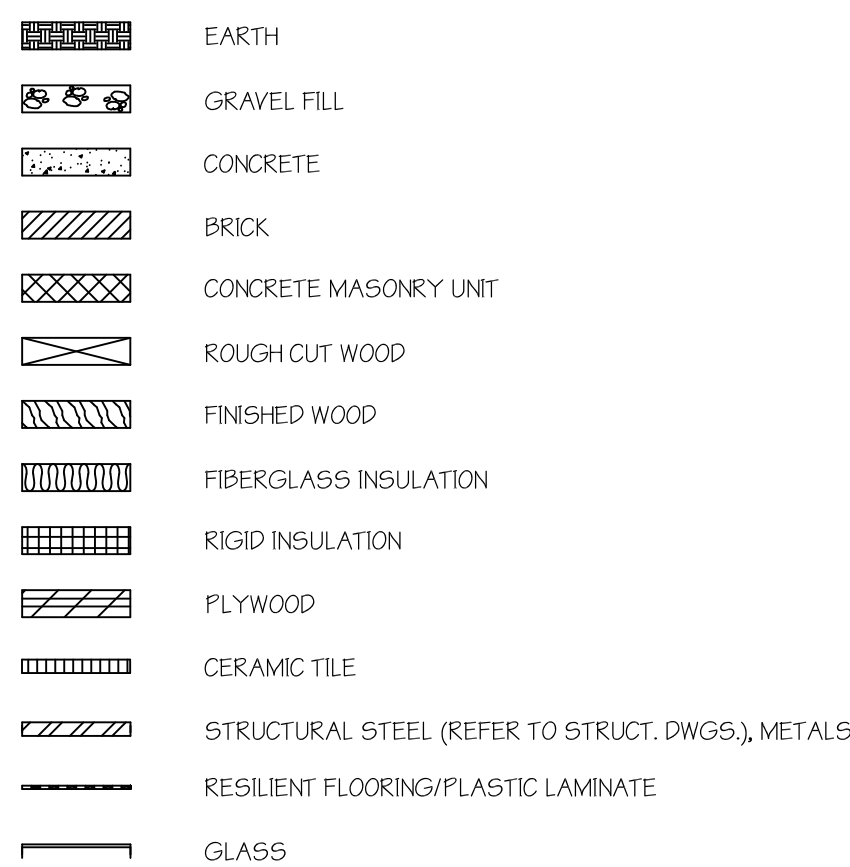


APPROVALS
Melody A. Currey 9/14/18
 DEPT. OF ADMINISTRATIVE SERVICES DATE

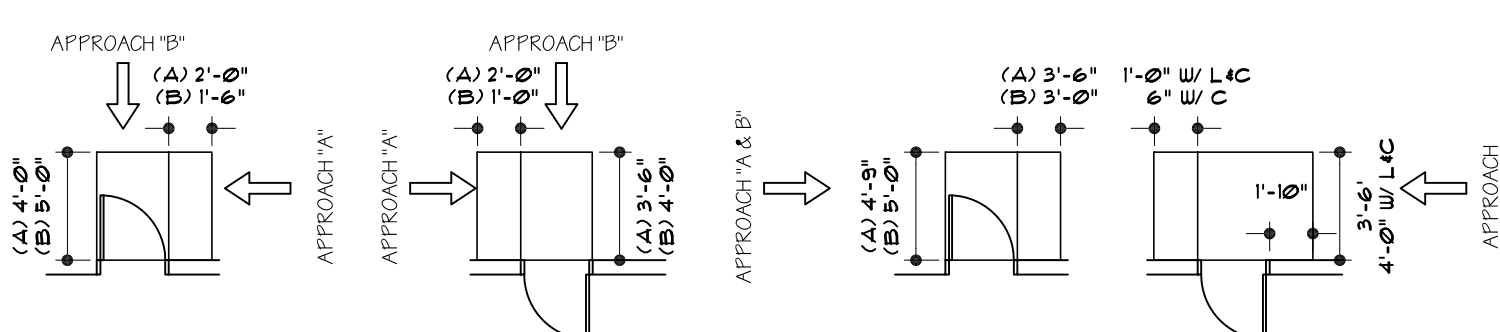
ABBREVIATIONS

Table listing abbreviations for architectural and construction elements, such as ACOUS, ATC, ADJ, ADJUST, AFF, etc.

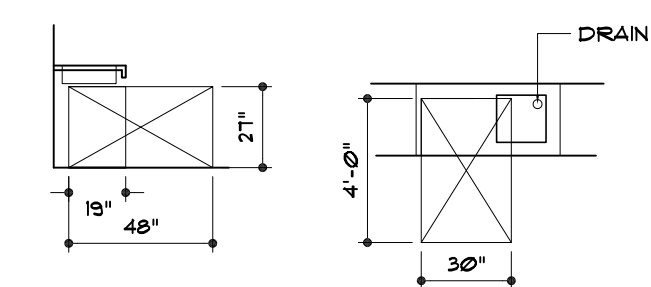
MATERIAL SYMBOLS



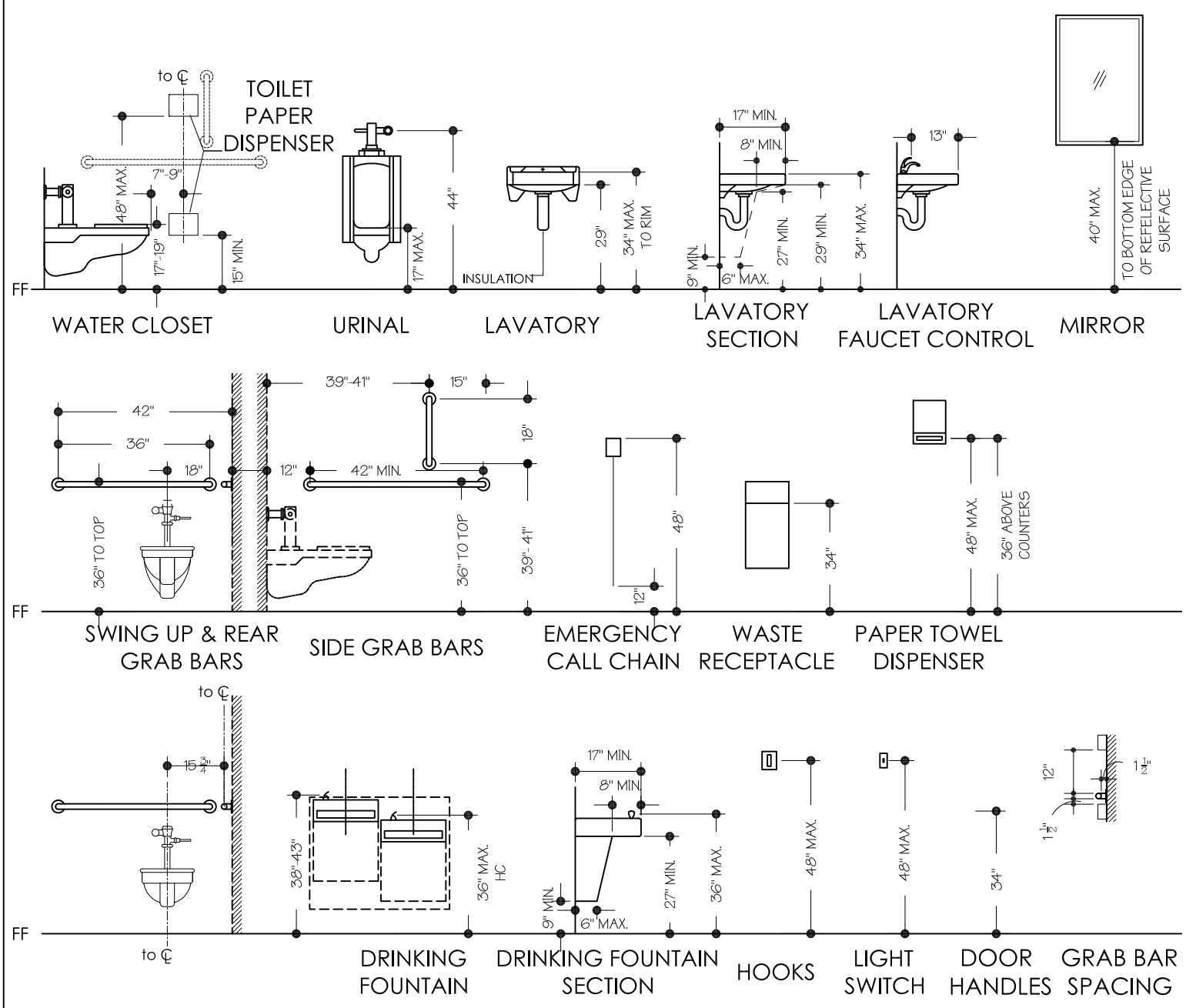
CLEARANCE DIMENSIONS AT DOORWAYS



CLEARANCE DIMENSIONS AT COUNTER WITH SINK

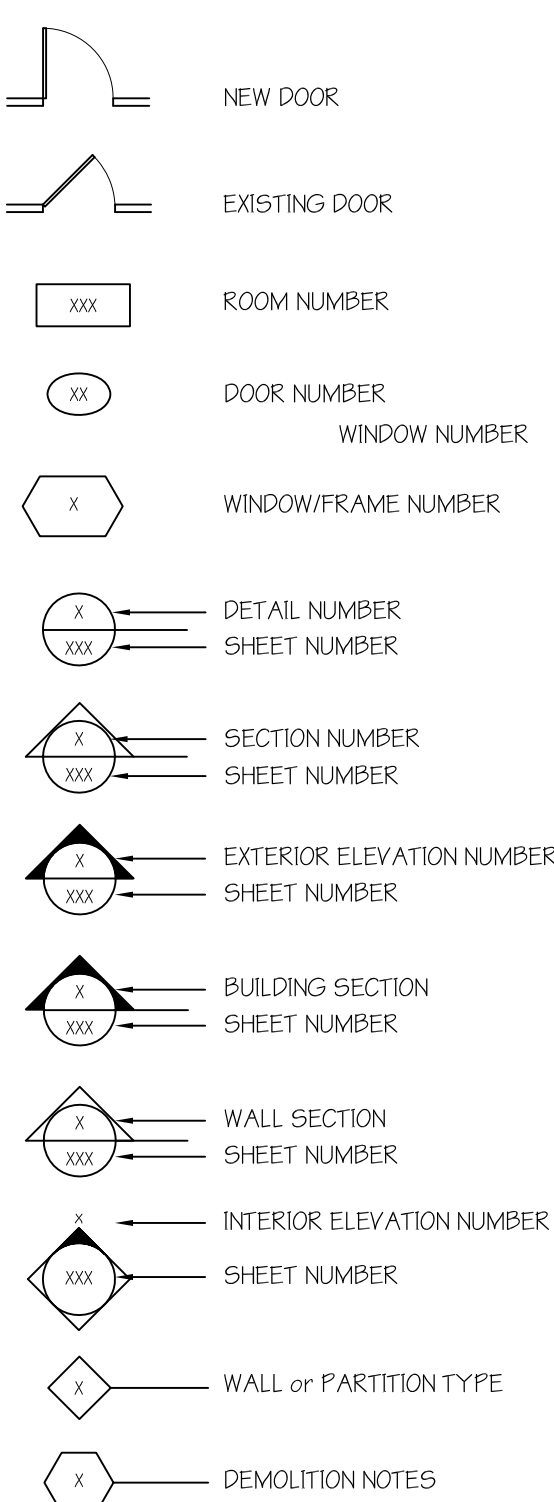


MOUNTING HEIGHTS AT ACCESSIBLE LOCATIONS



SYMBOLS

PLAN SYMBOLS



REFLECTED CEILING SYMBOLS

PLUMBING SYMBOLS

MECHANICAL SYMBOLS

ELECTRICAL SYMBOLS

NOTES

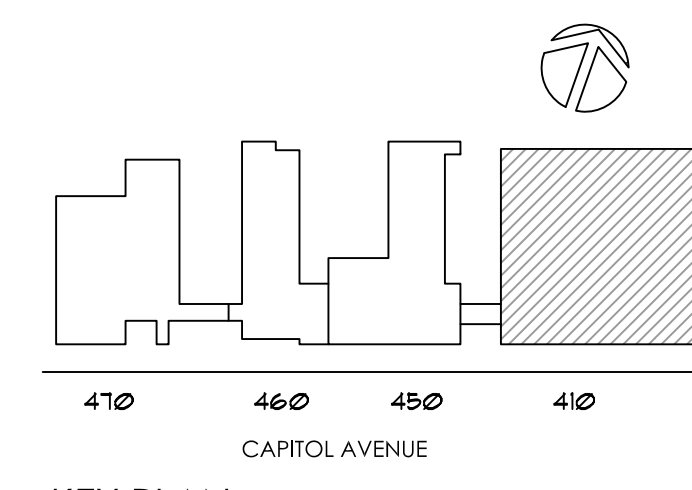
- 1. ALL FINISHES SHALL HAVE A MIN CLASS B RATING IN ACCORDANCE WITH TABLE 803.5 IBC.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SELECTIVE DEMOLITION REQUIRED TO ACCOMPLISH THE WORK UNDER THIS CONTRACT. ALL CUT, PATCH AND REMOVAL OF FINISHES REQUIRED FOR INSTALLATION OF NEW WORK SHALL BE INCLUDED.
3. PROTECT ADJACENT OFFICE AREAS DURING CONSTRUCTION.

Building Information For Code Analyses

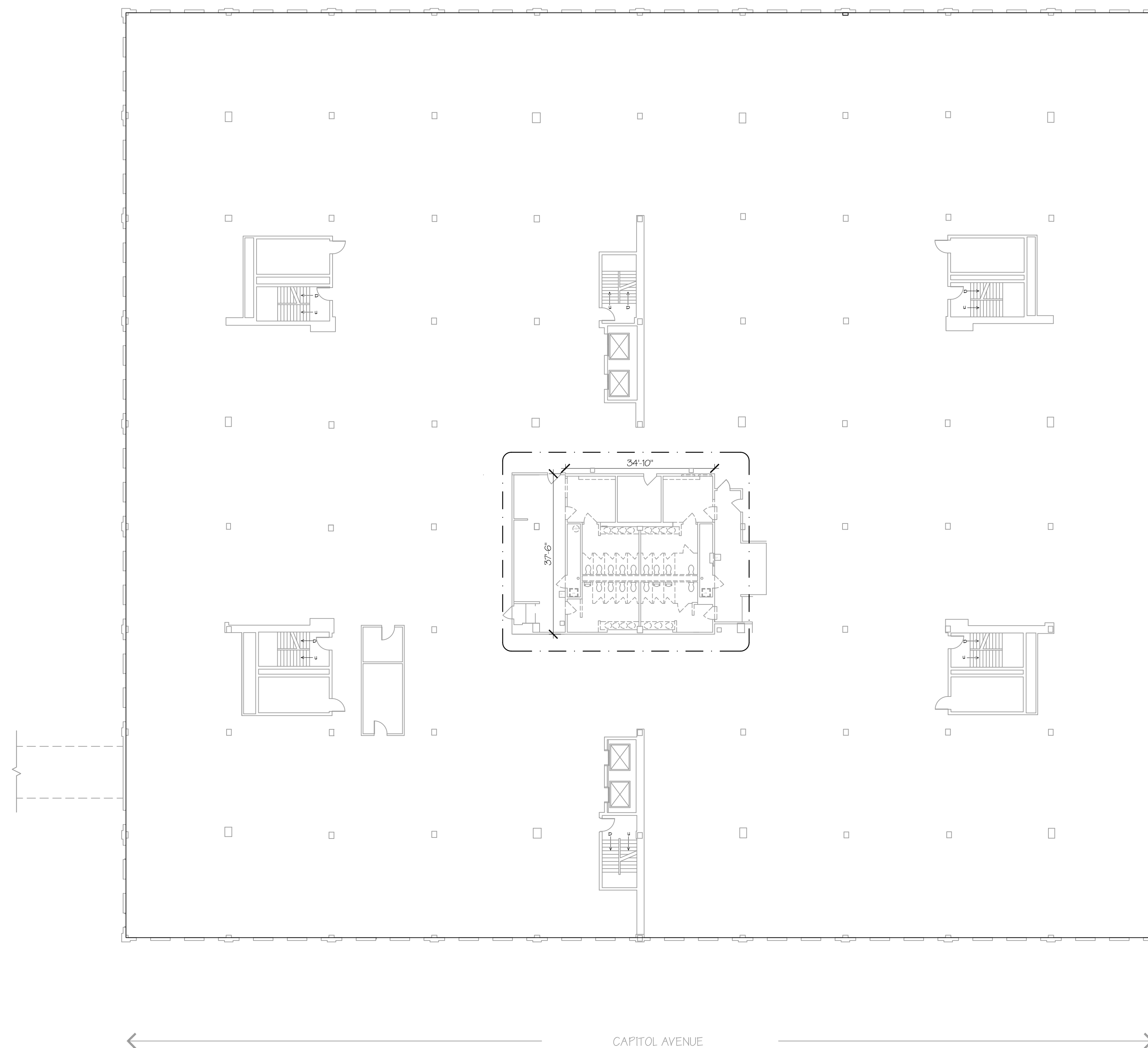
Table containing building information for code analyses, including Part 1 - CT State Building Code, Part 2 - CT State Fire Safety Code, and Plumbing Fixtures Count.

PLUMBING FIXTURES COUNT

Table showing plumbing fixtures count for various fixtures: WC (Water Closet), LAV/SINK, and DRINKING FOUNTAIN, including existing and proposed counts.

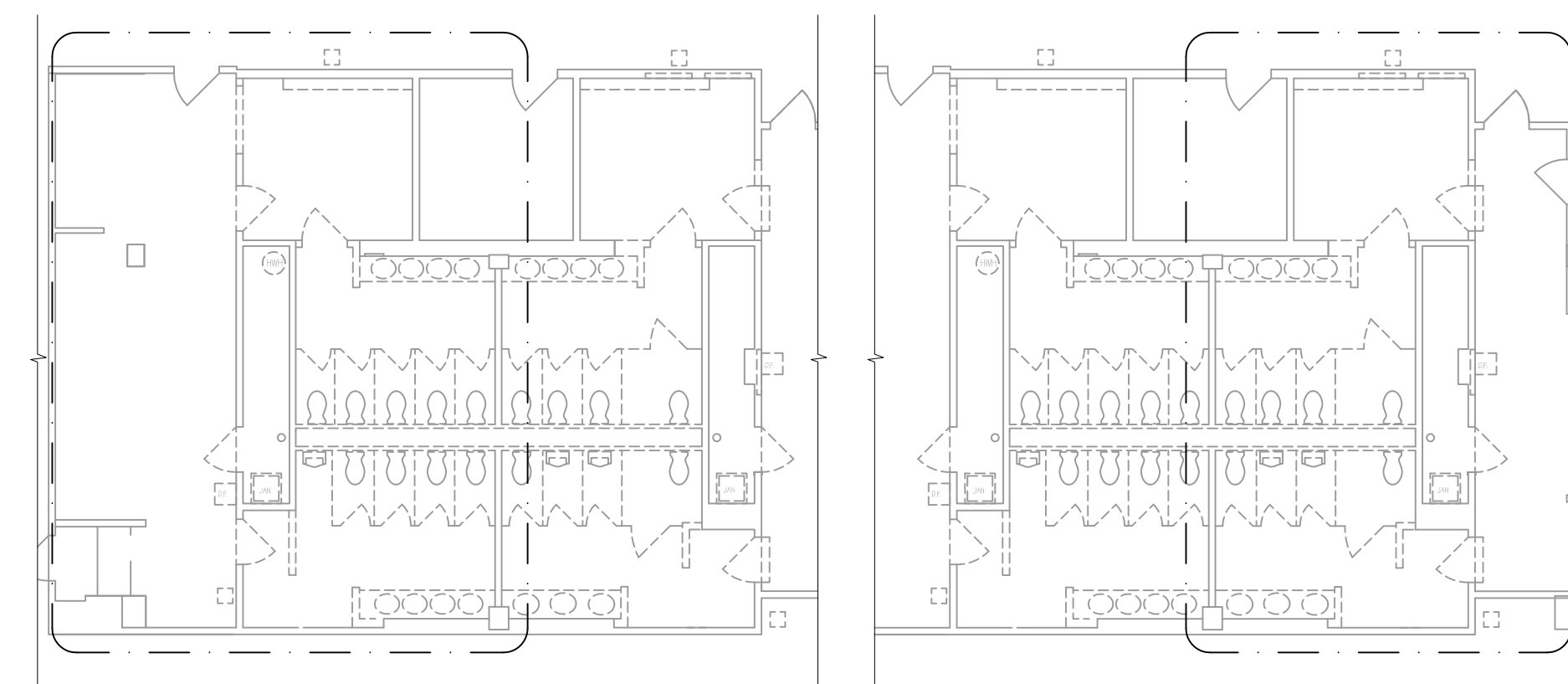


Project information block containing drawing title, professional seal, revision table, drawing prepared by, project name (410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES), date (9/14/2018), scale (AS NOTED), and drawing no. (A0.01).



1 PROJECT WORK AREA - TYPICAL FLOOR PLAN (1ST FLOOR SHOWN)

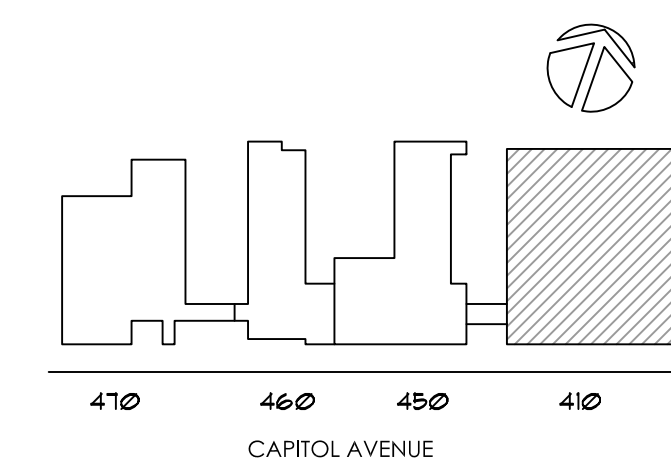
SCALE: 1/16"=1'-0"
 - - - - - EXTENT OF WORK (SEE ALSO MEP DWGS)
 0' 4' 8' 16' 32' 40'
 GRAPHIC SCALE 1/16"=1'-0"



PHASE 1
 ALL WEST BATHROOMS ON ALL FLOORS
 TO BE RENOVATED IN FIRST PHASE;
 ALL EAST BATHROOMS AT ALL FLOORS
 TO REMAIN FUNCTIONAL

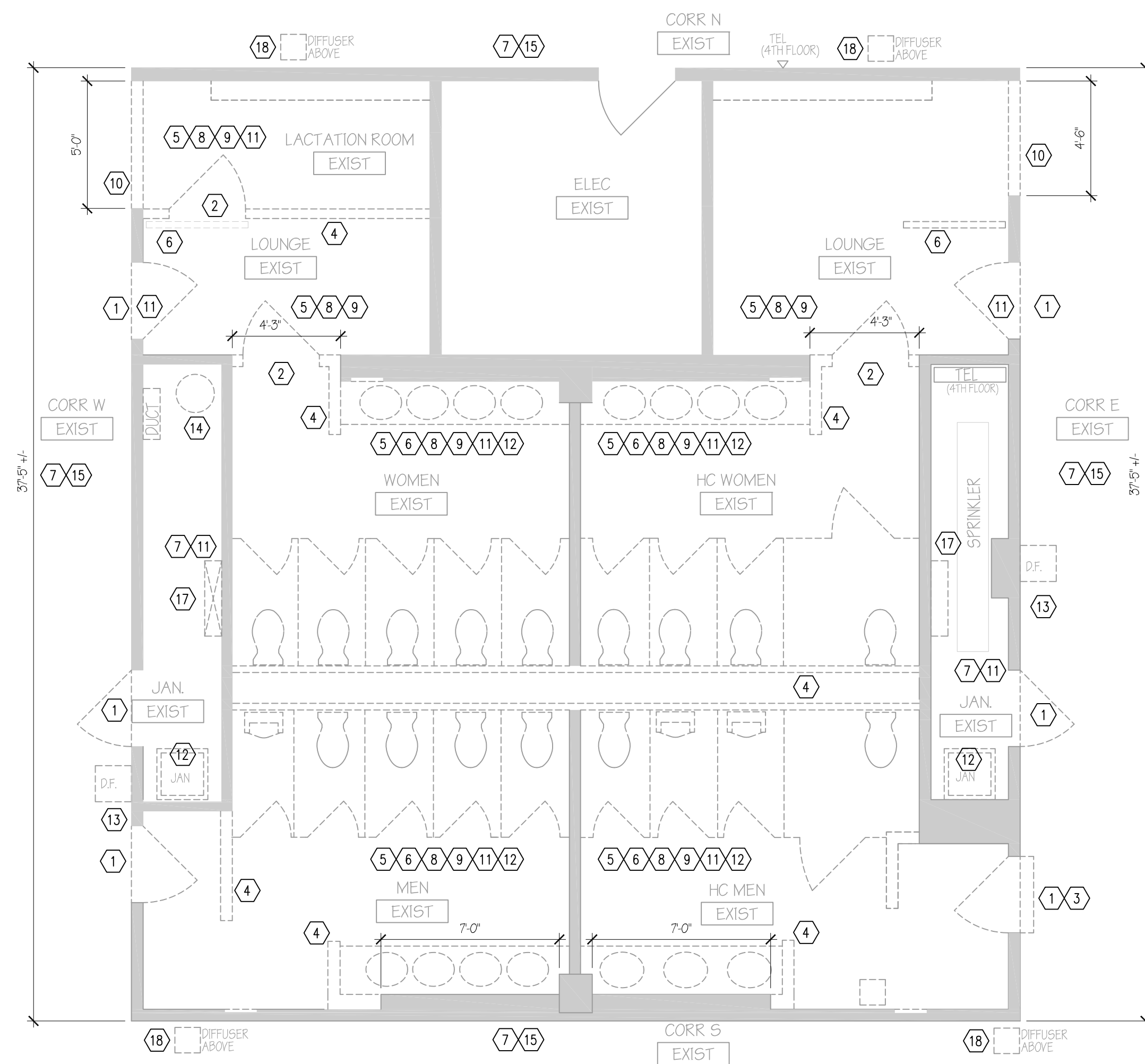
PHASE 2
 ALL EAST BATHROOMS ON ALL FLOORS
 TO BE RENOVATED IN SECOND PHASE;
 ALL WEST BATHROOMS AT ALL FLOORS
 TO REMAIN FUNCTIONAL

2 PROJECT PHASING
 SCALE: 3/32"=1'-0"

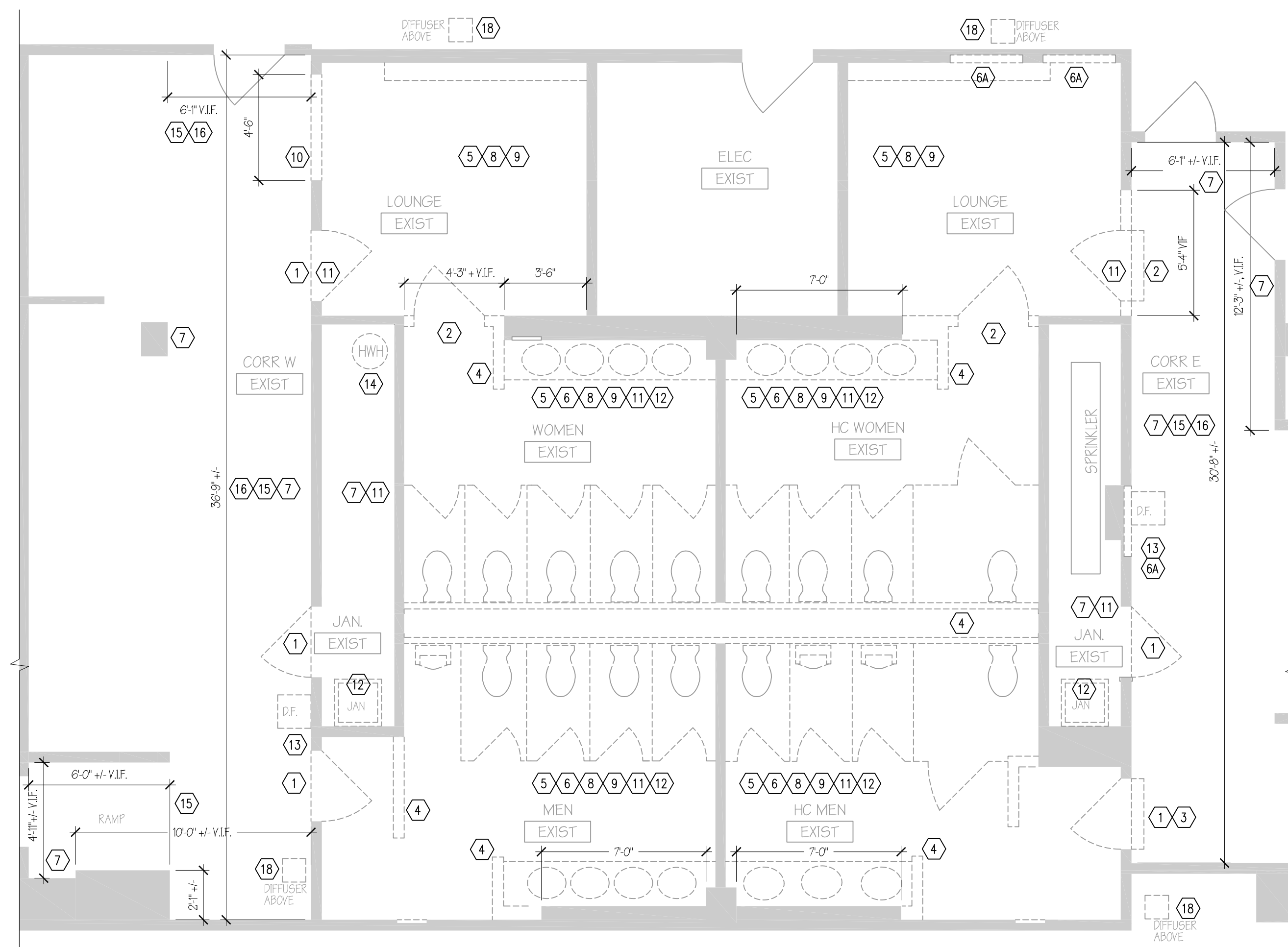


KEY PLAN

drawing title PHASING PLAN, WORK AREA		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by
	mark	date	date
			9/14/2018
			scale
			AS NOTED
			drawn by
			IMB
			approved by
			MAW
			drawing no.
			A0.02
			project
			410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES
			HARTFORD, CT
			CAD no. 410 Capitol Ave CD.dwg
			project no. Bl-2B-400



2 TYPICAL FLOOR DEMOLITION PLAN (2ND, 3RD AND 4TH FLOOR)
SCALE: 1/4"=1'-0"

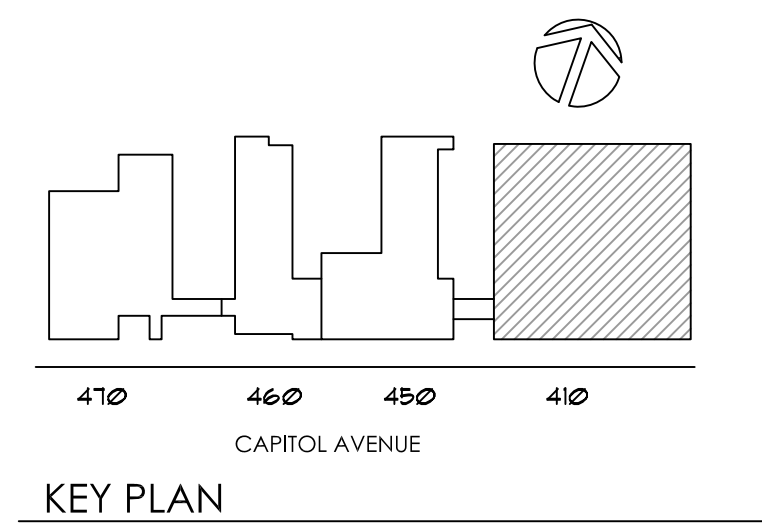
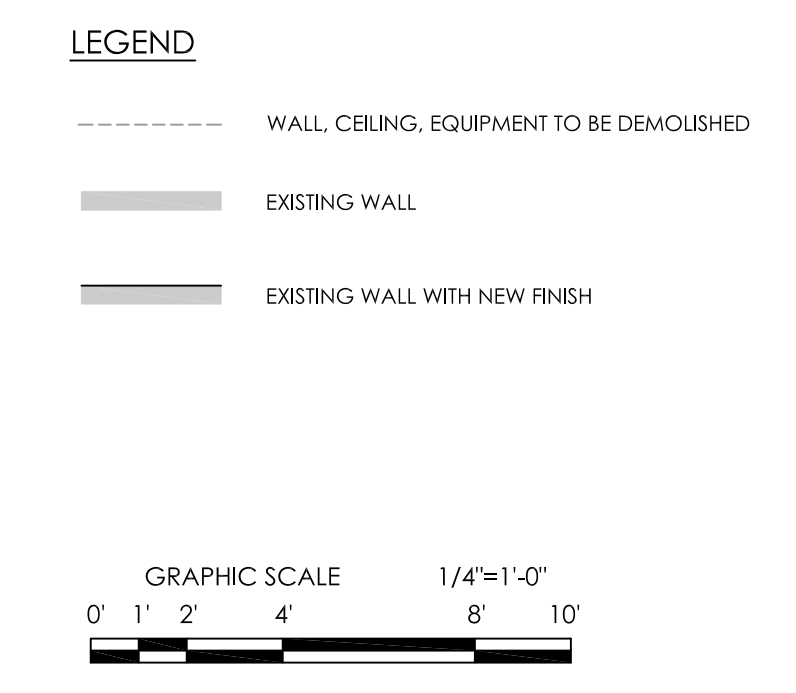


1 1ST FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0"

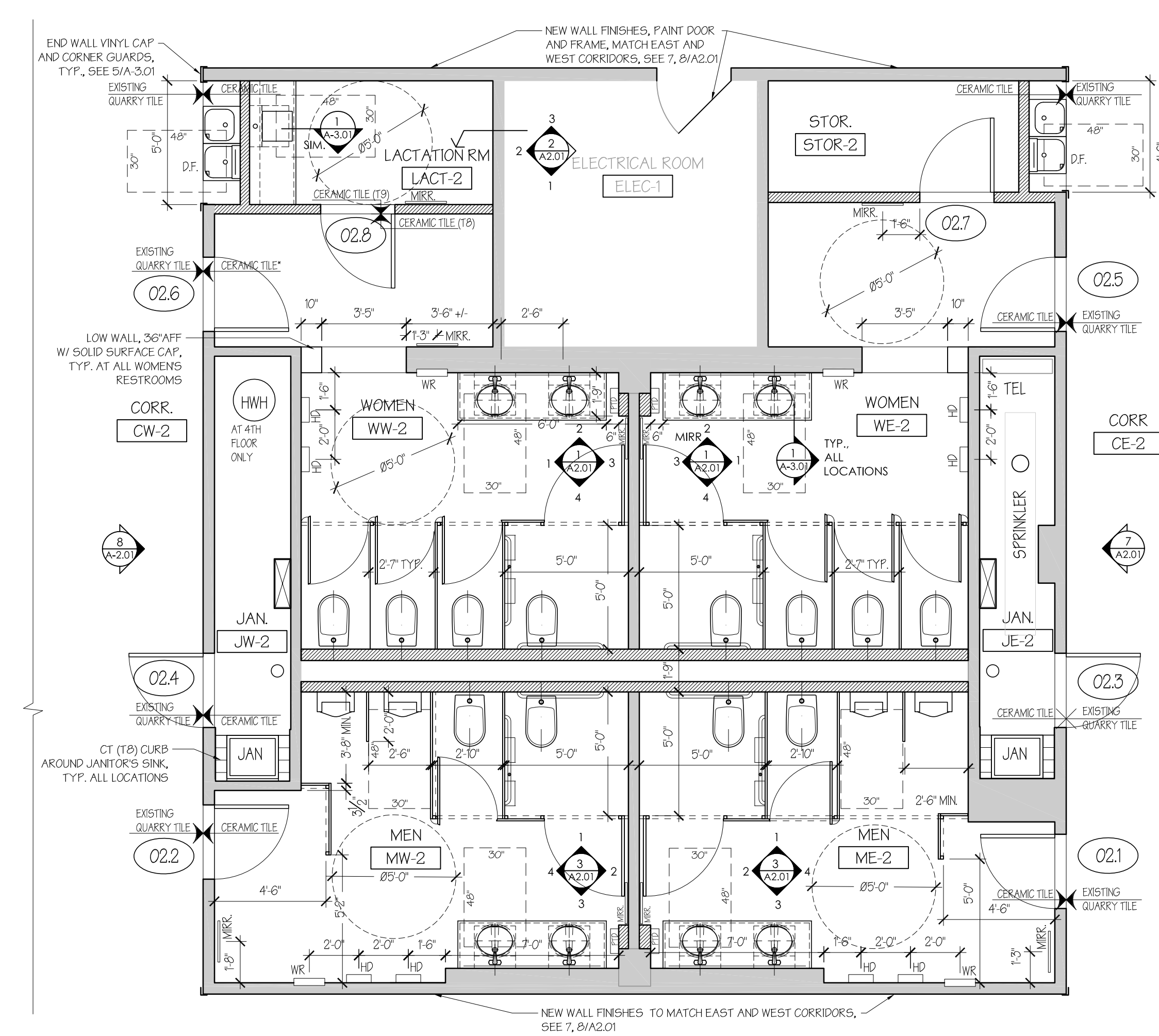
DEMOLITION LEGEND	
1	REMOVE DOOR ONLY AND ALL ACCESSORIES, SIGNAGE, ETC. FOR NEW DOOR INSTALLATION.
2	REMOVE DOOR AND FRAME.
3	REMOVE AUTOMATIC DOOR OPENER AND BUTTONS, PATCH FRAME.
4	REMOVE STUD WALL FROM FLOOR TO UNDERSIDE OF STRUCTURE. REMOVE/CAP ANY OLD PIPING FOUND.
5	REMOVE COUNTERS, MIRRORS AND ACCESSORIES.
6	REMOVE PARTITION.
6A	CUT RECESS IN WALL FOR NEW APPLIANCES (BABY CHANGING TABLES AND NEW DF. SEE PLANS.
7	PREPARE WALLS TO RECEIVE NEW FINISHES, SEE FINISH SCHEDULE.
8	REMOVE WALL TILE, PREPARE WALL SURFACE FOR NEW FINISHES.
9	REMOVE GYPSUM BOARD CEILING, LIGHT FIXTURES, DIFFUSERS, ACCESSORIES, SPRINKLER HEADS, SEE MEP DRAWINGS.
10	DEMO WALL TO HEIGHT 8'-0" AFF. PROTECT ADJACENT CEILING, RECESSED CEILING LIGHT AND FLOOR FINISH AT CORRIDOR SIDE.*
11	REMOVE FLOOR TILE. REMOVE CERAMIC TILES AT DOOR THRESHOLDS TO GROUT LINE WHERE POSSIBLE OR CUT TILES IN LINE WITH THE WALL. PREPARE TO RECEIVE NEW FINISHES. SEE FINISH SCHEDULE.
12	REMOVE PLUMBING FIXTURES AND ACCESSORIES. SEE PLUMBING DRAWINGS. PATCH WALLS CALLED TO REMAIN.
13	REMOVE DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS. REPAIR WALL AND PREPARE SURFACE FOR FINISHES.
14	REMOVE WATER HEATER (TO BE REPLACED W/ NEW AT FOURTH FLOOR. SEE PLUMBING DRAWINGS). REMOVE ANY UNUSED PIPES, CLIPS, ETC.
15	REMOVE EXISTING FINISHES AND CORNER PROTECTORS. REMOVE ANY CLIPS AND ITEMS INTERFERING WITH FUTURE WORK. FILL HOLES. PREPARE SURFACE FOR NEW FINISHES. PROTECT ADJACENT WALLS, SURFACES AND FINISHES.
16	AT FIRST FLOOR CORRIDORS: REMOVE VINYL BASE ALONG WALLS SHOWN. REMOVE QUARRY TILE BASE AT BATHROOM WALLS W/O DAMAGING THE FLOOR TILE.
17	CUT NEW OPENINGS OR ENLARGE EXISTING FLOOR AND ROOF OPENINGS FOR NEW DUCT. SEE MECH. DWGS.
18	REMOVE DIFFUSERS IN CORRIDORS. SEE M1.01.

NOTE: NOT ALL EXISTING ACCESSORIES ARE SHOWN OR LISTED BUT MUST BE INCLUDED IN SCOPE OF WORK. GC TO INCLUDE ALL DEMO AND PATCHING REQUIRED TO COMPLETE WORK. IF DEMO SPECIFICALLY NOT SHOWN ON DEMO PLANS IT IS STILL REQUIRED AT NO ADDITIONAL COST. *GC RESPONSIBLE FOR PRESERVING EXISTING TO REMAIN.

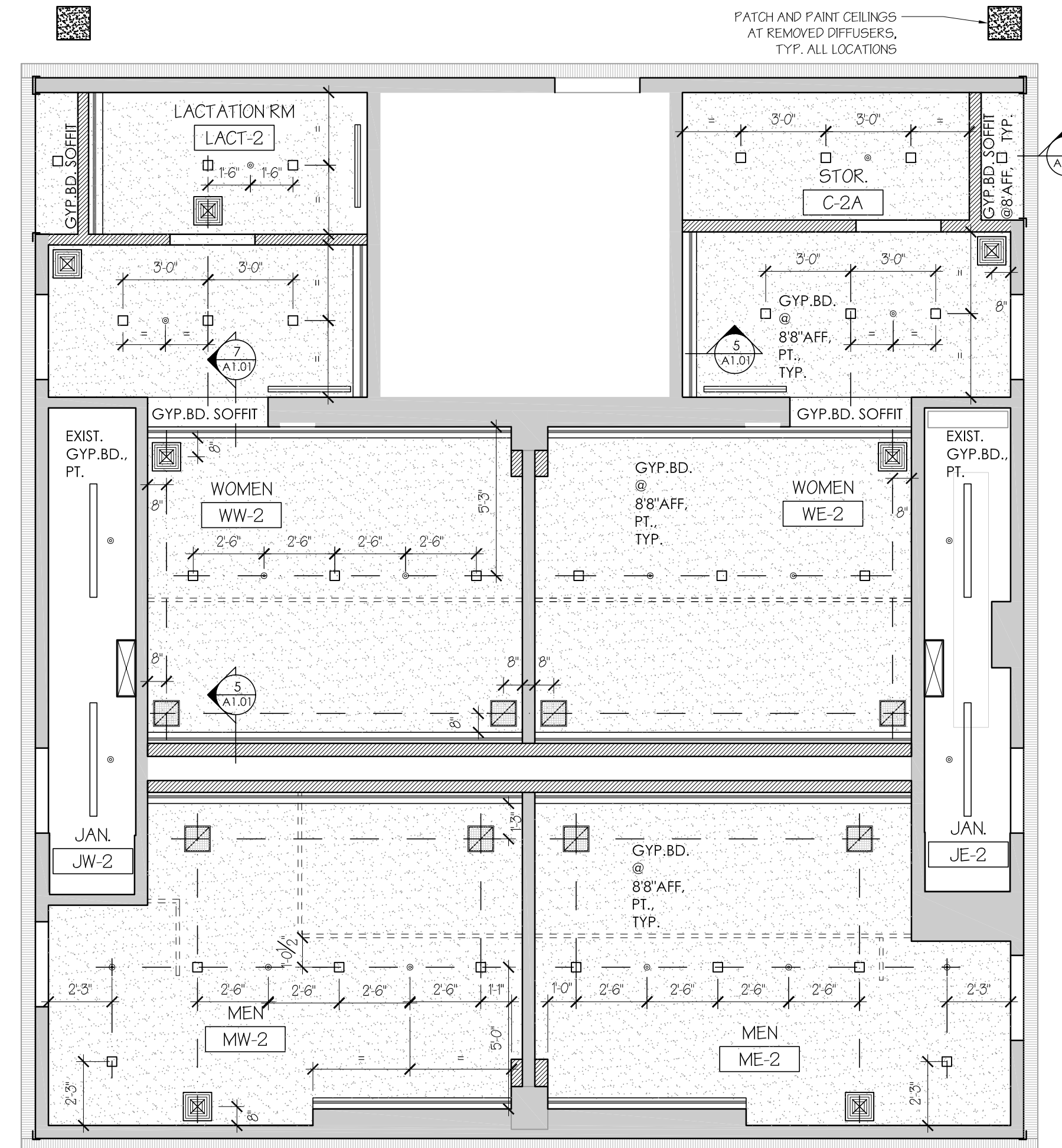
SEE FP AND MEP DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.



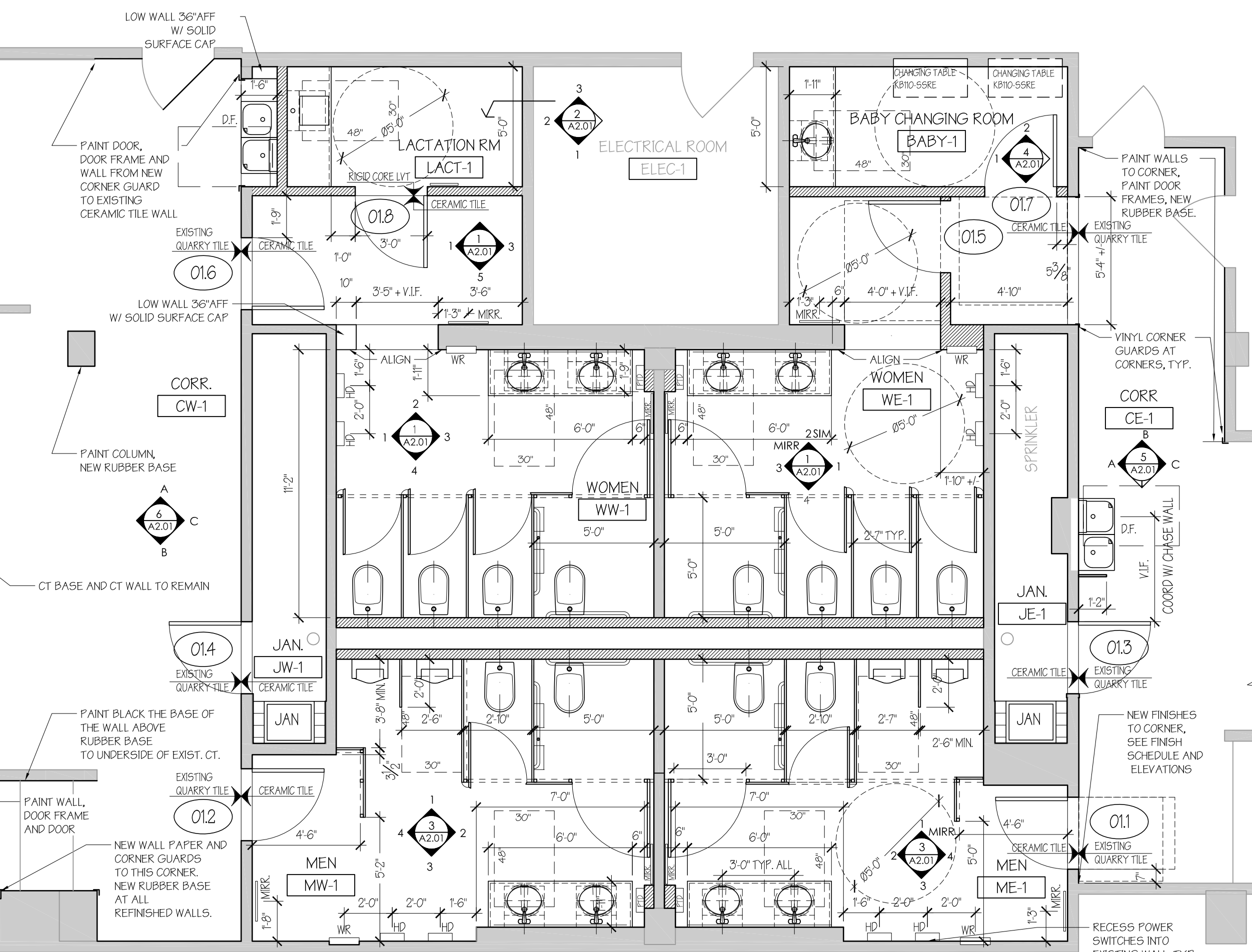
drawing title		STATE OF CONNECTICUT	
DEMOLITION PLANS AND NOTES		DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS	drawing prepared by	date
	mark		9/14/2018
	date		scale
	description	project	AS NOTED
		410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES	drawn by
		HARTFORD, CT	IMB
		CAD no. 410 Capitol Ave CD.dwg	approved by
		project no. B1-2B-400	MAW
			drawing no.
			A1.00



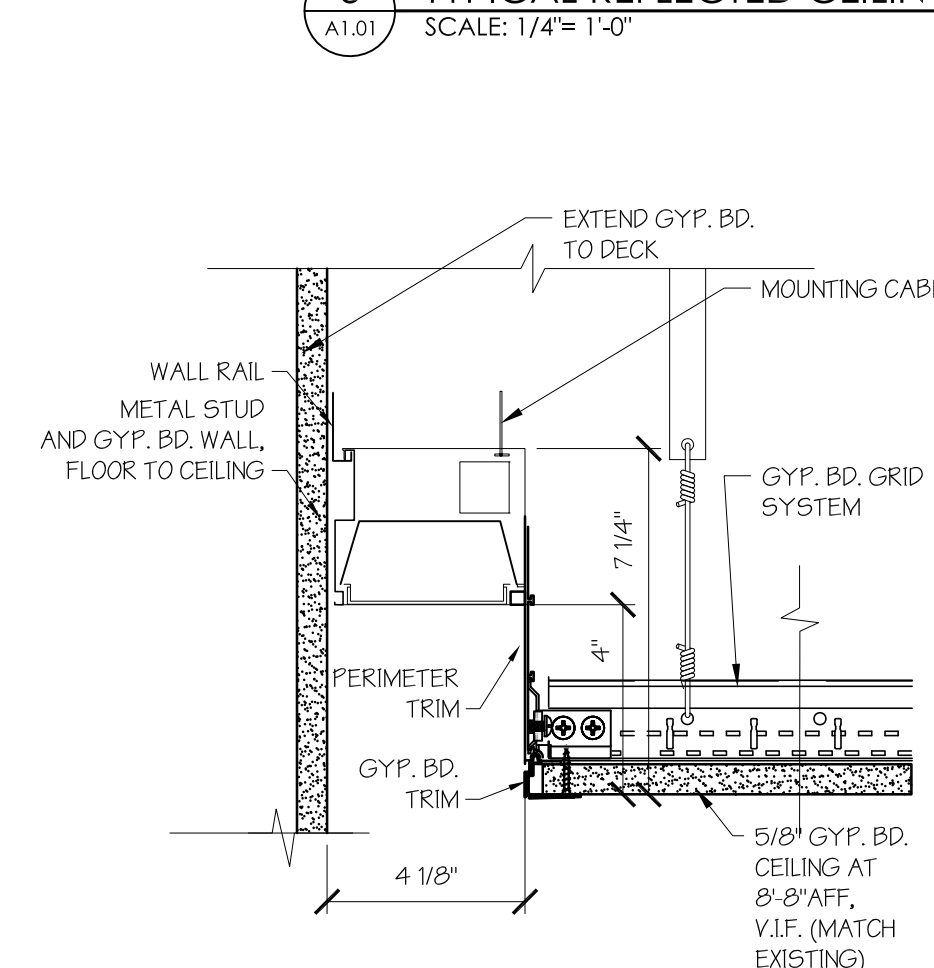
2 TYPICAL FLOOR PLAN (2ND, 3RD AND 4TH FLOOR)
SCALE: 1/4" = 1'-0"
*SEE 11/A2.01 FOR FLOOR TILE LAYOUT



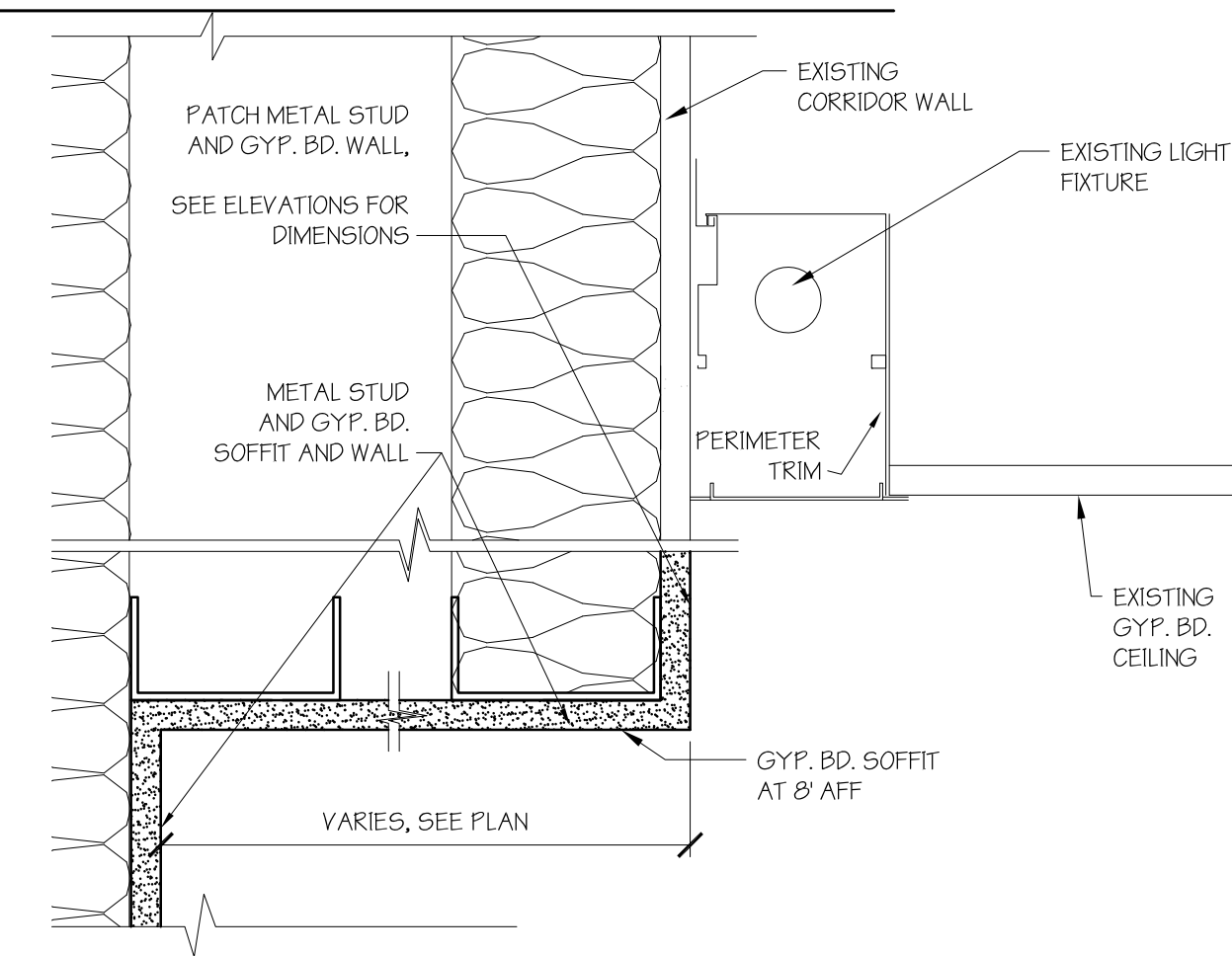
3 TYPICAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



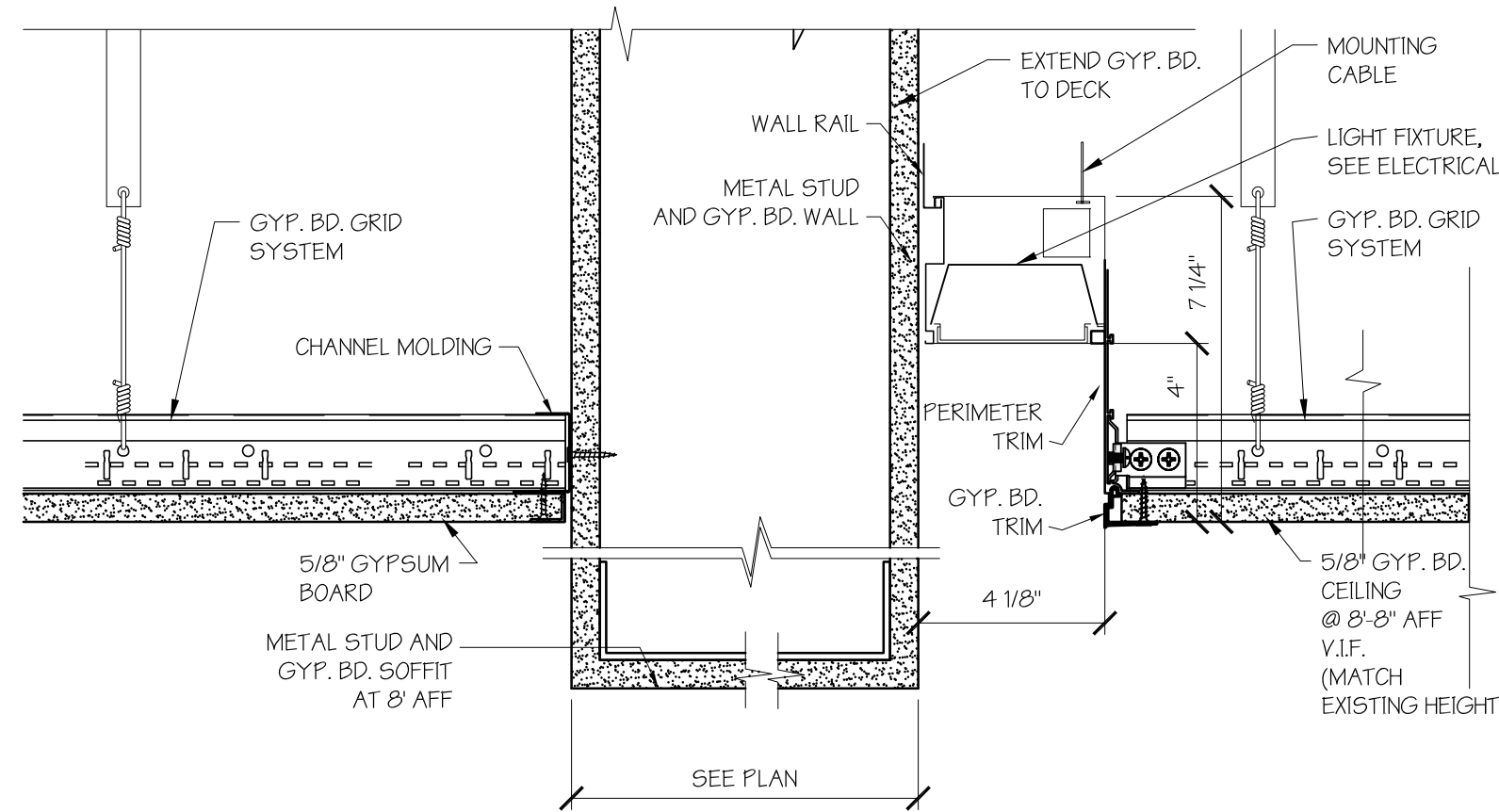
1 1ST FLOOR PLAN
SCALE: 1/4" = 1'-0"
*SEE 11/A2.01 FOR FLOOR TILE LAYOUT



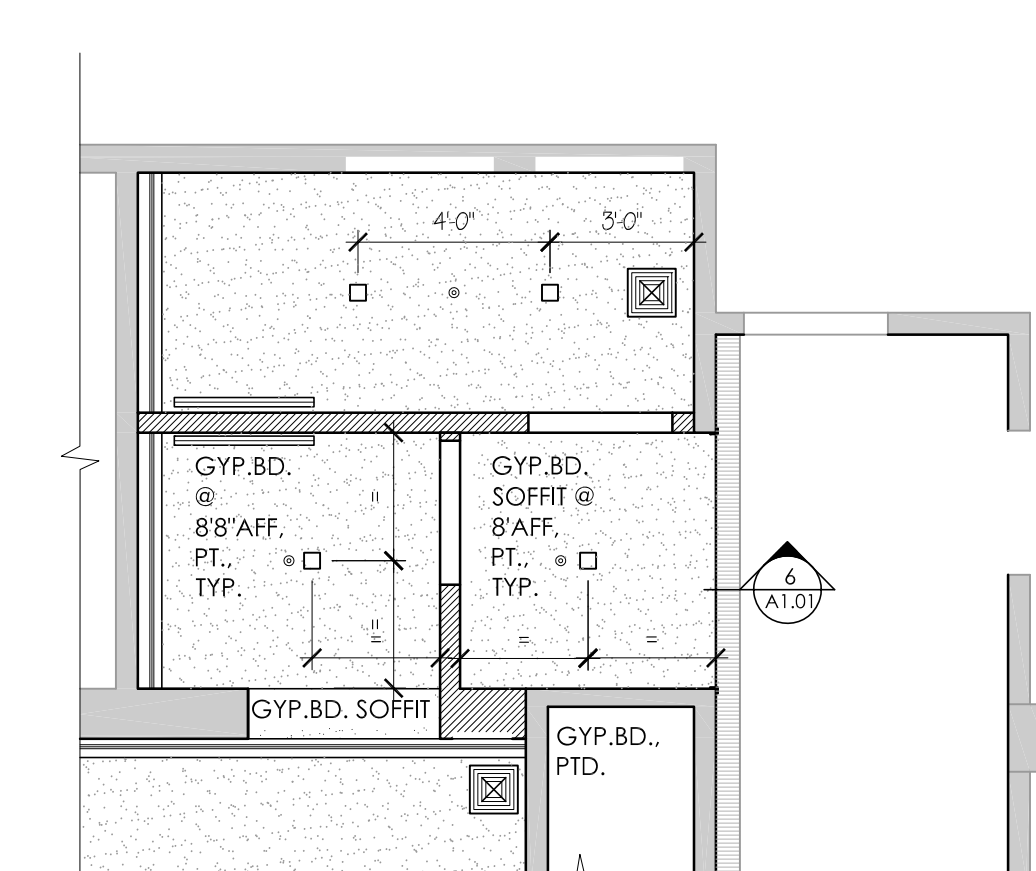
5 TYP. DETAIL AT LIGHT COVE
SCALE: 3" = 1'-0"



6 TYP. DETAIL AT SOFFIT AT CORRIDOR
SCALE: 3" = 1'-0"

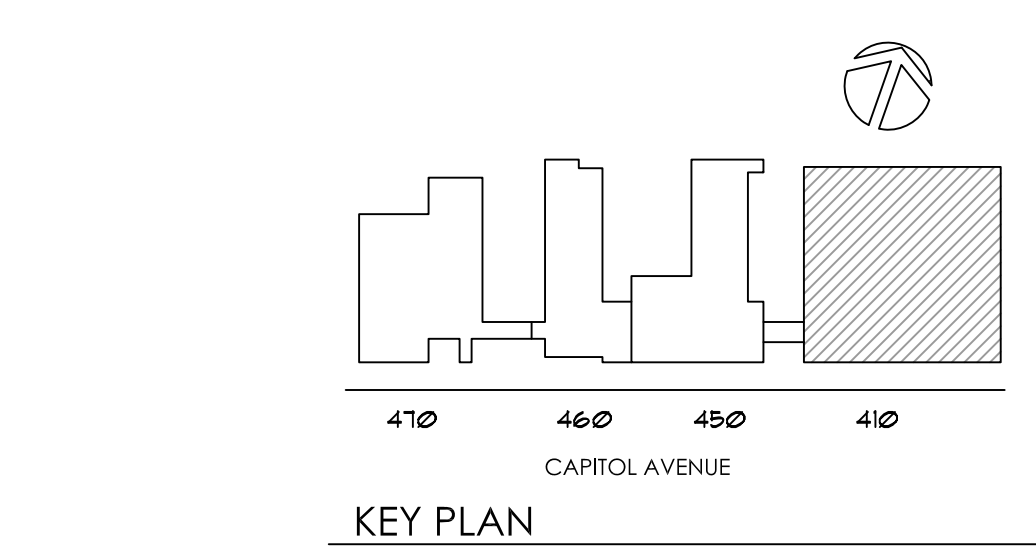
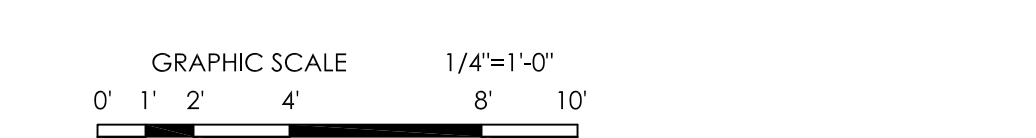


7 TYP. DETAIL AT SOFFIT IN BATHROOMS
SCALE: 3" = 1'-0"

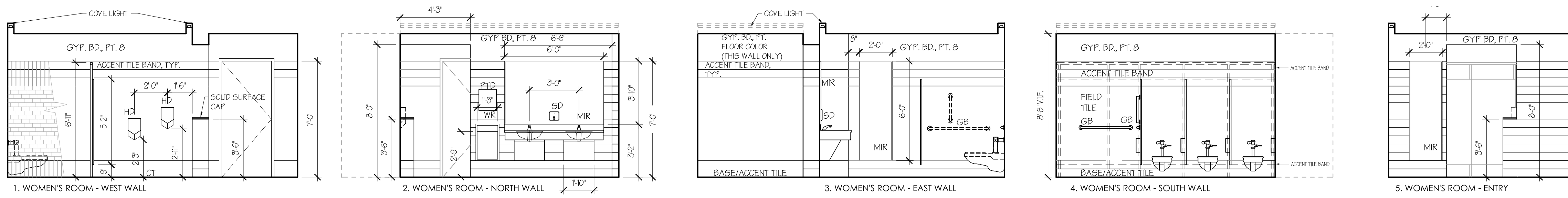


4 FIRST FLOOR REFLECTED CEILING PARTIAL PLAN
SCALE: 1/4" = 1'-0"

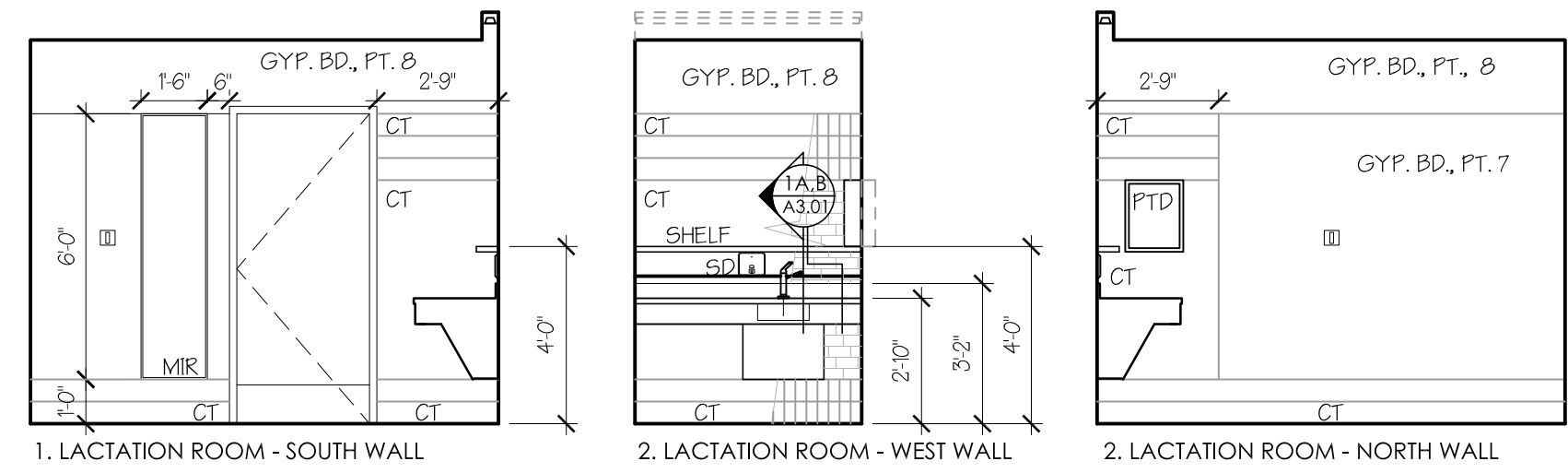
- LEGEND**
- WALL, CEILING, EQUIPMENT TO BE DEMOLISHED
 - EXISTING WALL
 - EXISTING WALL WITH NEW FINISH
 - EXISTING CEILING LIGHT TO REMAIN (AT CORRIDOR)
 - NEW WALL, METAL STUD AND GYPSUM BOARD, SEE WALL TYPE A, 9/A2.01. LOW WALL WHERE NOT HATCHED, 36" AFF + SOLID SURFACE CAP
 - NEW CHASE WALL, METAL STUD AND GYPSUM BOARD, SEE WALL TYPE B, 9/A2.01
 - COVE W/ RECESSED MOUNTED LINEAR LED LIGHT
 - □ RECESSED LED SPOT LIGHTS - CENTER ON ROOM AND EQUALLY SPACED UON
 - CEILING MOUNTED LINEAR LED LIGHT
 - LINEAR AIR RETURN
 - 10' x 10' AIR RETURN
 - 12' x 12' AIR DIFFUSER
 - SPRINKLER HEAD
 - NEW GYPSUM BOARD CEILING
 - PATCH CEILING AND PAINT TO MATCH EXISTING (FIRST FLOOR ONLY; APPROX. LOCATION SHOWN)



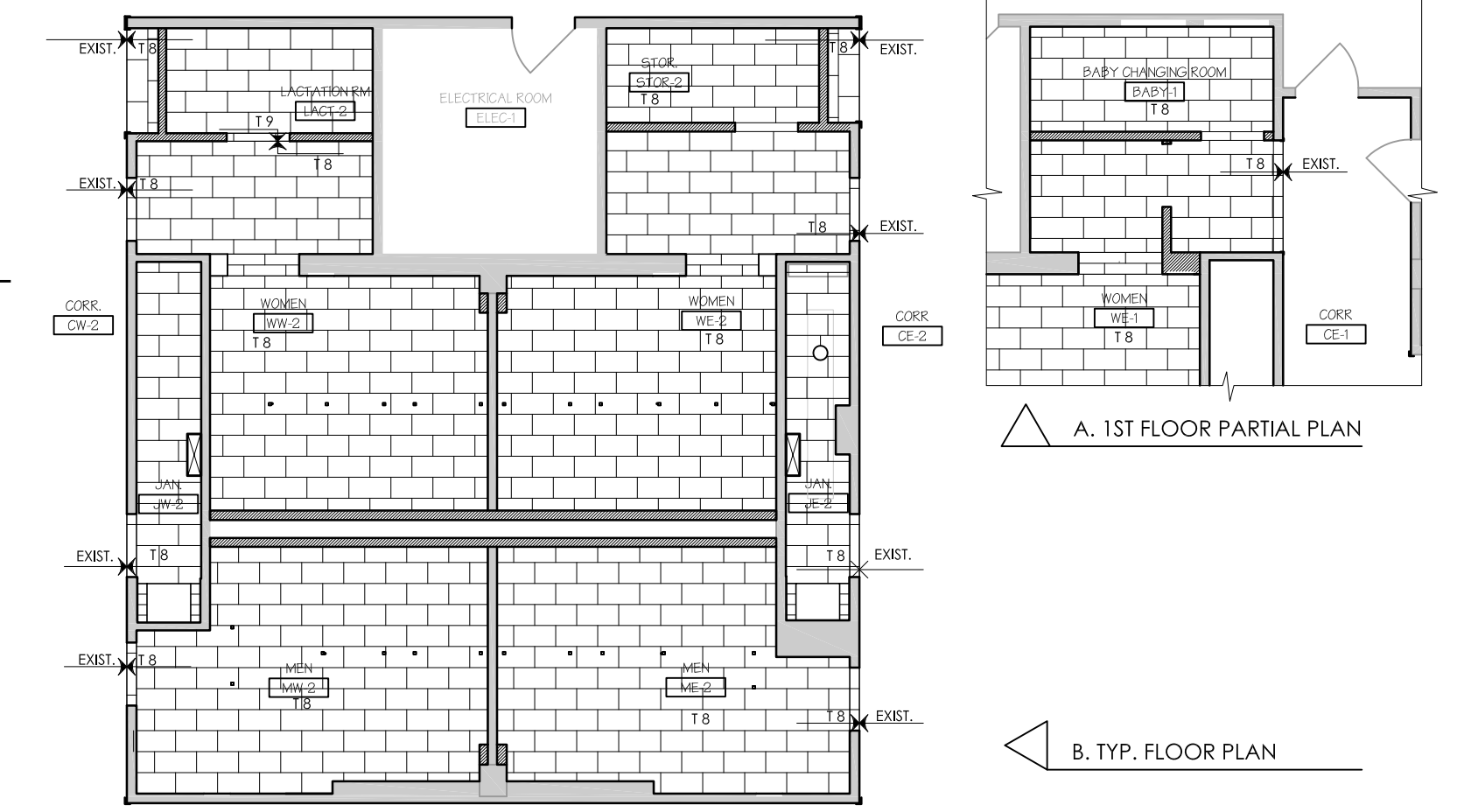
drawing title TYPICAL FLOOR PLANS AND REFLECTED CEILING PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS	drawing prepared by	date
	mark	date	9/14/2018
	description	scale	AS NOTED
project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES		drawing by	drawn by
HARTFORD, CT		approved by	approved by
CAD no. 410 Capitol Ave CD.dwg	project no. BL-2B-400	drawing no.	A1.01



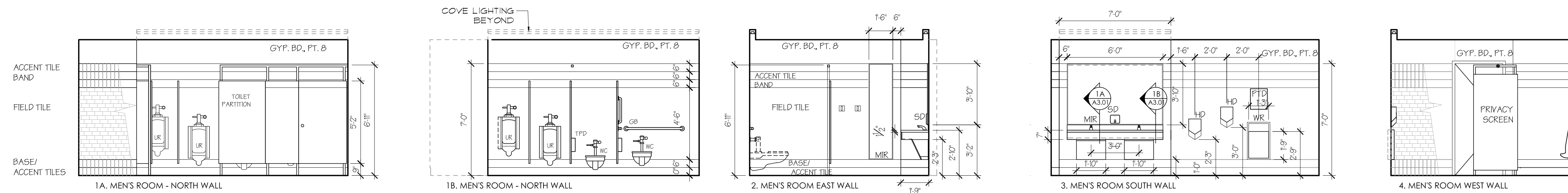
1 WOMENS ROOM WEST ELEVATIONS (MIRROR ELEVATIONS FOR WOMEN'S ROOM EAST)
SCALE: 1/4" = 1'-0"



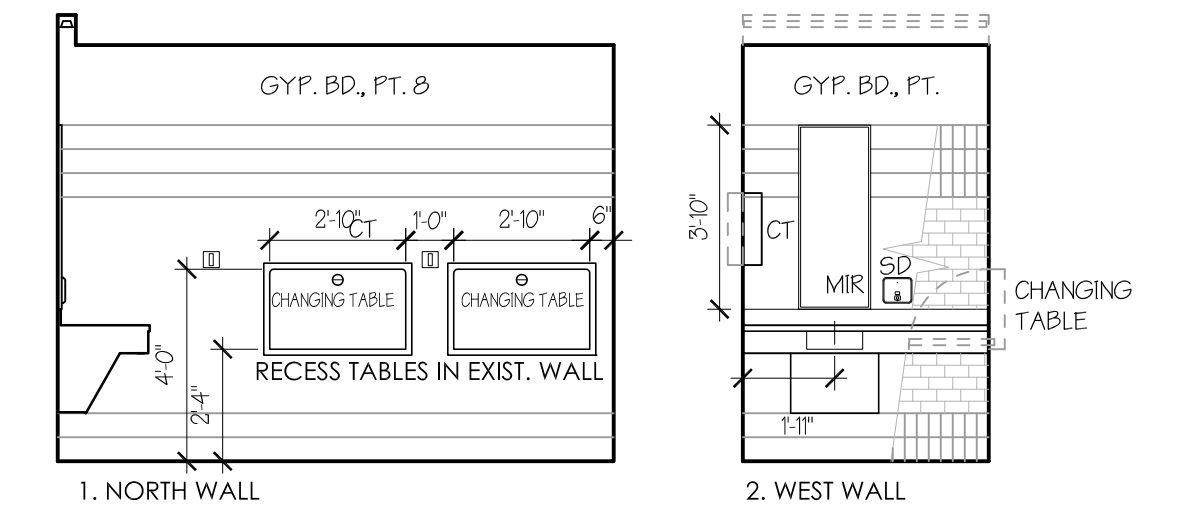
2 LACTATION ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



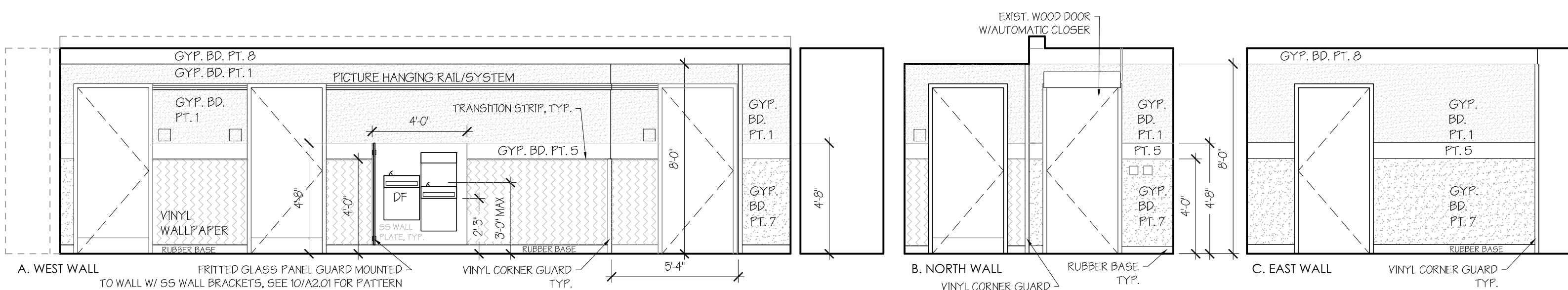
11 FLOOR TILE LAYOUT
SCALE: 1/8" = 1'-0"



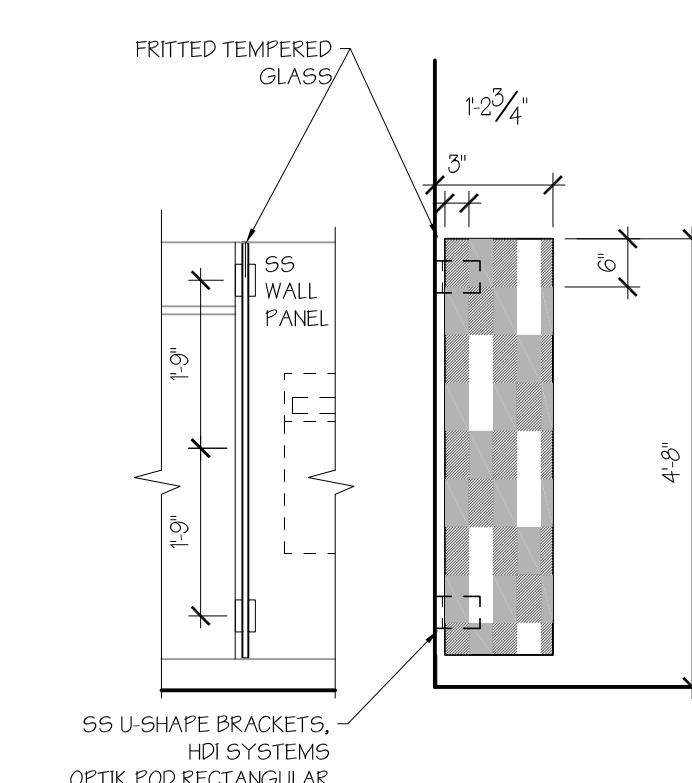
3 MENS ROOM WEST ELEVATIONS (MIRROR ELEVATIONS "2" AND "4" FOR MENS ROOM EAST)
SCALE: 1/4" = 1'-0"



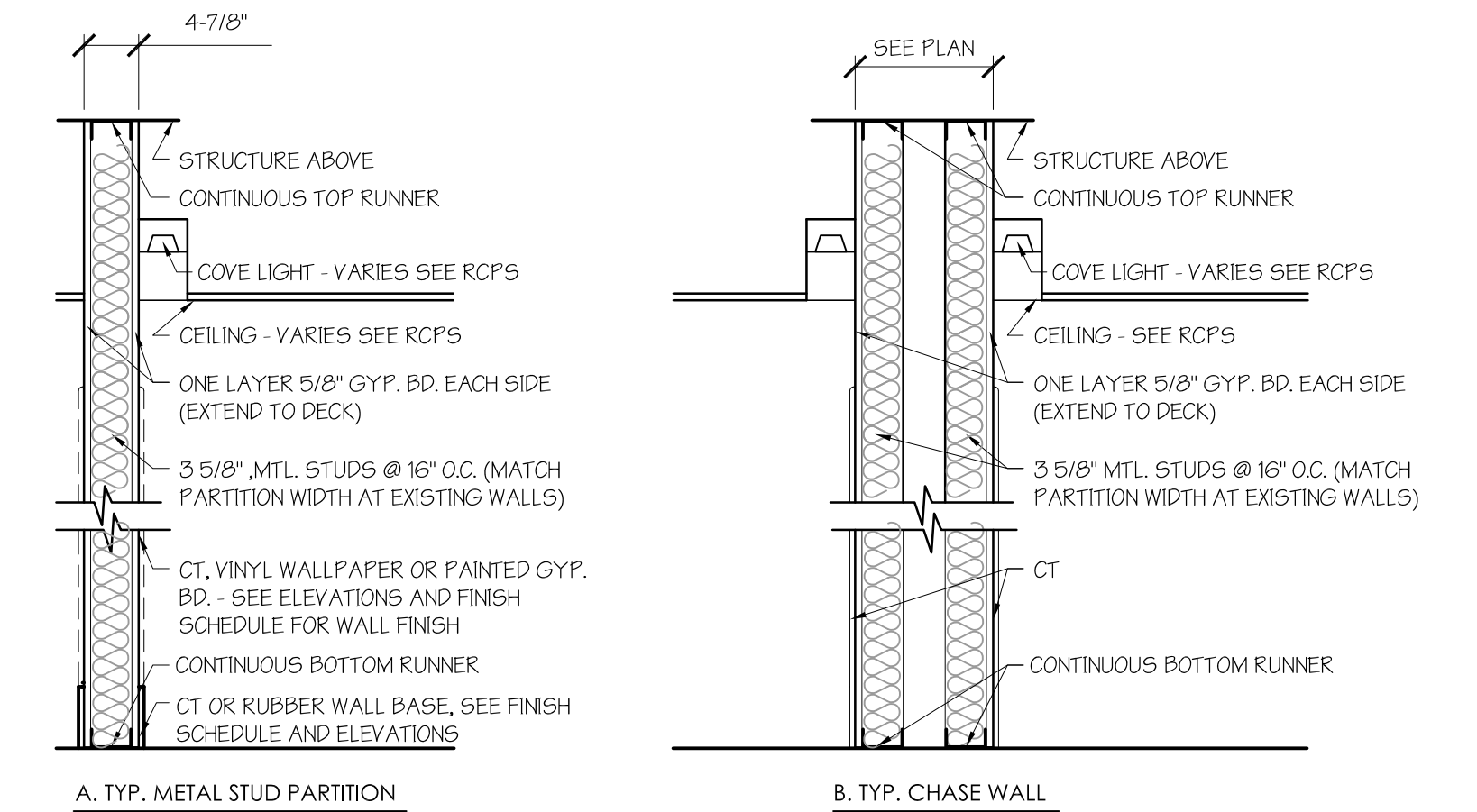
4 BABY CHANGING ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



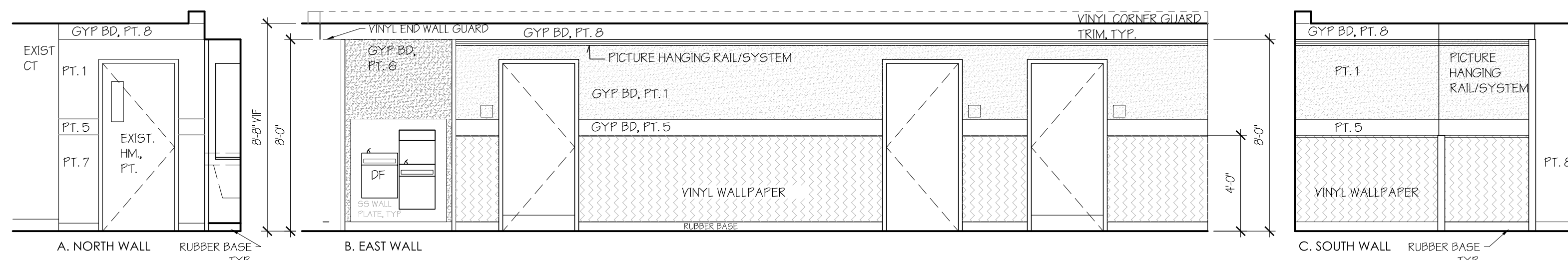
5 CORRIDOR EAST ELEVATIONS AT 1ST FLOOR
SCALE: 1/4" = 1'-0"



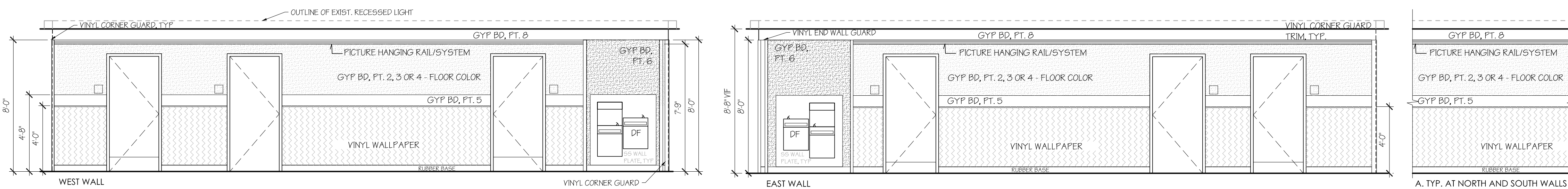
10 TEMPERED GLASS GUARD
SCALE: 1/2" = 1'-0"



9 WALL TYPES
SCALE: 3/4" = 1'-0"



6 CORRIDOR WEST ELEVATIONS AT 1ST FLOOR
SCALE: 1/4" = 1'-0"



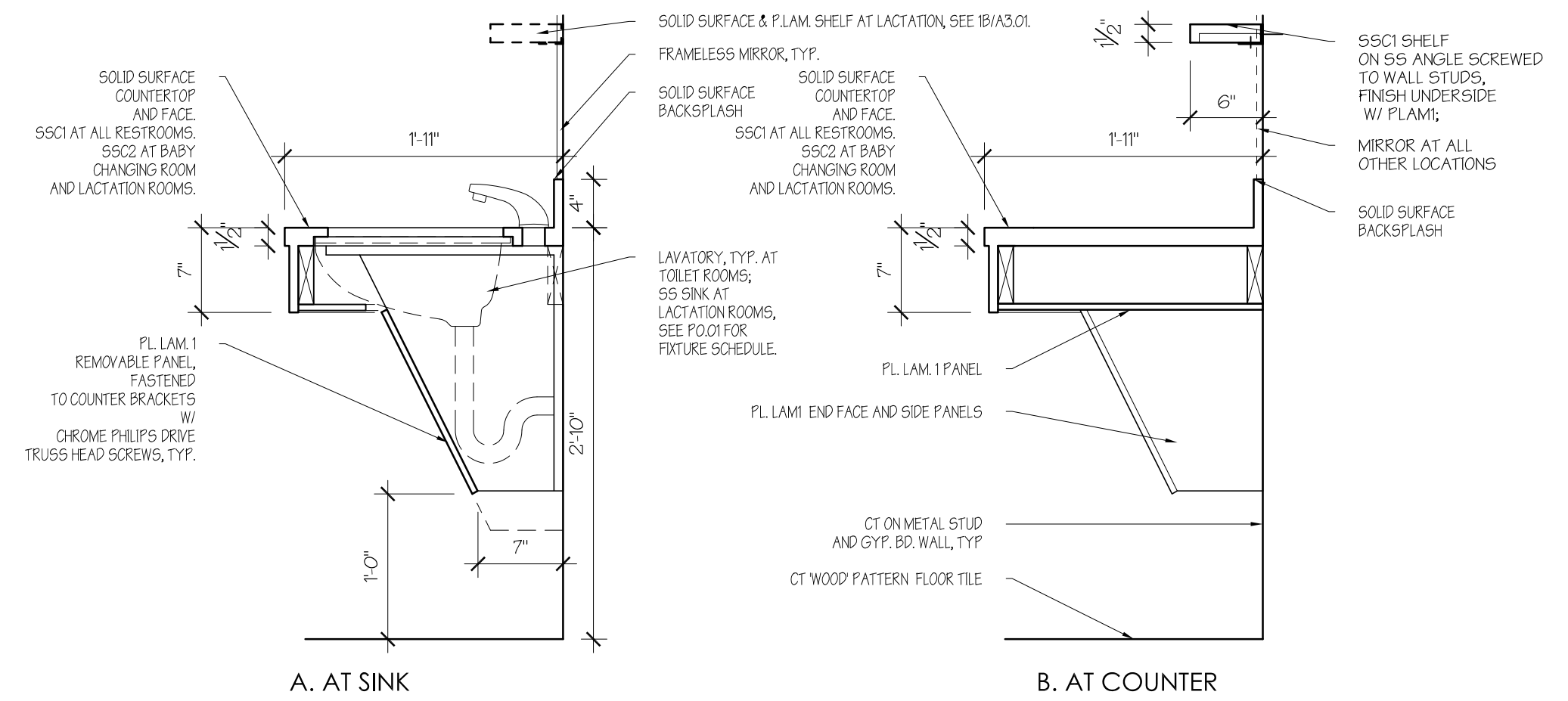
7 CORRIDOR WEST ELEVATION AT 2ND, 3RD AND 4TH FLOORS
SCALE: 1/4" = 1'-0"

8 CORRIDOR WEST ELEVATION AT 2ND, 3RD AND 4TH FLOORS
SCALE: 1/4" = 1'-0"

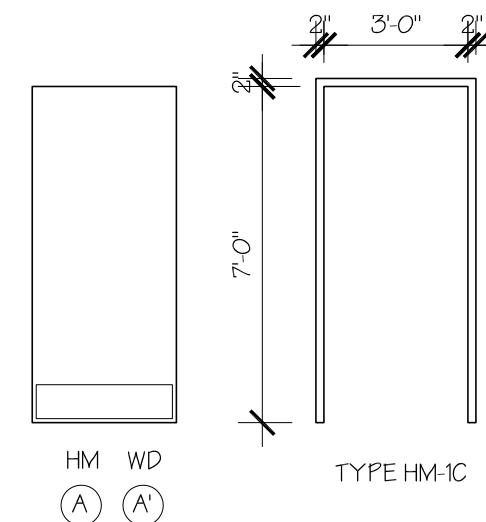
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professional seal	REVISIONS		drawing prepared by OPA Architects LLC
	mark	date	description
	project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES		
	date 9/14/2018		
HARTFORD, CT			scale AS NOTED
CAD no. 410 Capitol Ave CD.dwg			project no. BR-2B-400
drawing no.			A2.01

DOOR SCHEDULE															
ROOM NAME & NUMBER	DOOR						FRAME						REMARKS		
	DR	SIZE"	MAT	TYPE	FINISH	LABEL	MAT	TYPE	FINISH	LABEL	JAMB	HEAD		SILL THRESH	HDW SET*
ALL FLOORS															
ME-1, 2, 3, 4	011-04.1	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	4	PATCH FRAME AT REMOVED AUTOMATIC DOOR CLOSER
MW-1, 2, 3, 4	012-04.2	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	4	REPAIR/PATCH FRAME
JE-1, 2, 3, 4	013-04.3	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	2	REPAIR/PATCH FRAME
JW-1, 2, 3, 4	014-04.4	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	2	REPAIR/PATCH FRAME
WE-1, 2, 3, 4	015-04.5	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	4	REPAIR/PATCH FRAME
WW-1, 2, 3, 4	016-04.6	3'-0"X1'-0"	HM	A	PT. 9	-	HM	EXIST	PT. 10	-	-	-	CT	4	REPAIR/PATCH FRAME
BABY-1	017	3'-0"X1'-0"	HM	A	PT. 9	-	HM	HM-1	PT. 10	-	J-1	H-1	CT	1	
STOR-2, 3, 4	021-04.1	3'-0"X1'-0"	HM	A	PT. 9	-	HM	HM-1	PT. 10	-	J-1	H-1	CT	3	
LACT-1, 2, 3, 4	018-04.8	3'-0"X1'-0"	WOOD	A'	CLEAR	-	HM	HM-1	PT. 10	-	J-1	H-1	CT	1	

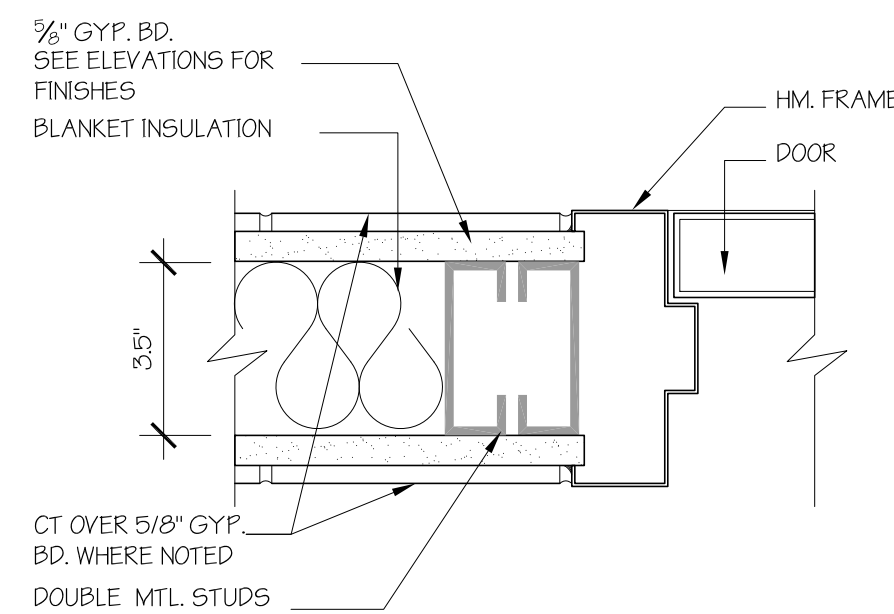
*MATCH EXISTING HARDWARE TYPE AND FINISHES.
 **VERIFY HM FRAME DIMENSIONS IN FIELD, NEW DOORS AND FRAMES TO MATCH EXISTING.
 EXISTING DOORS TO BE REFINISHED: HM DOORS: PT. 9, HM FRAMES: PT. 10, WOOD DOORS: CLEAN ONLY.



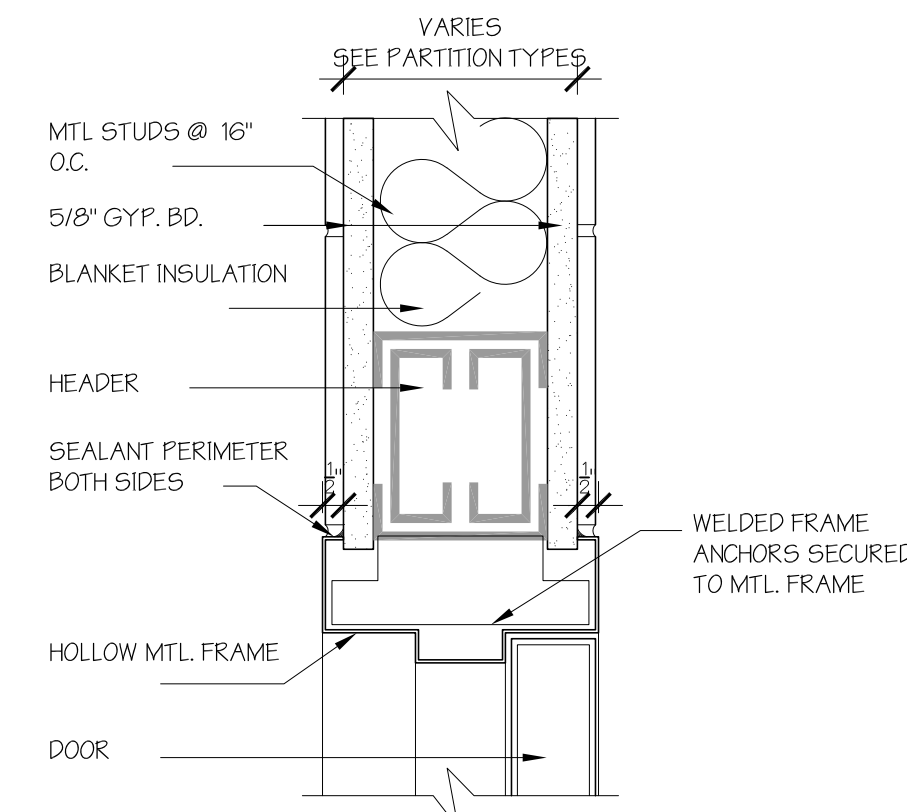
1 MILLWORK DETAILS - TYPICAL COUNTERTOP
 SCALE: 1"=1'-0"



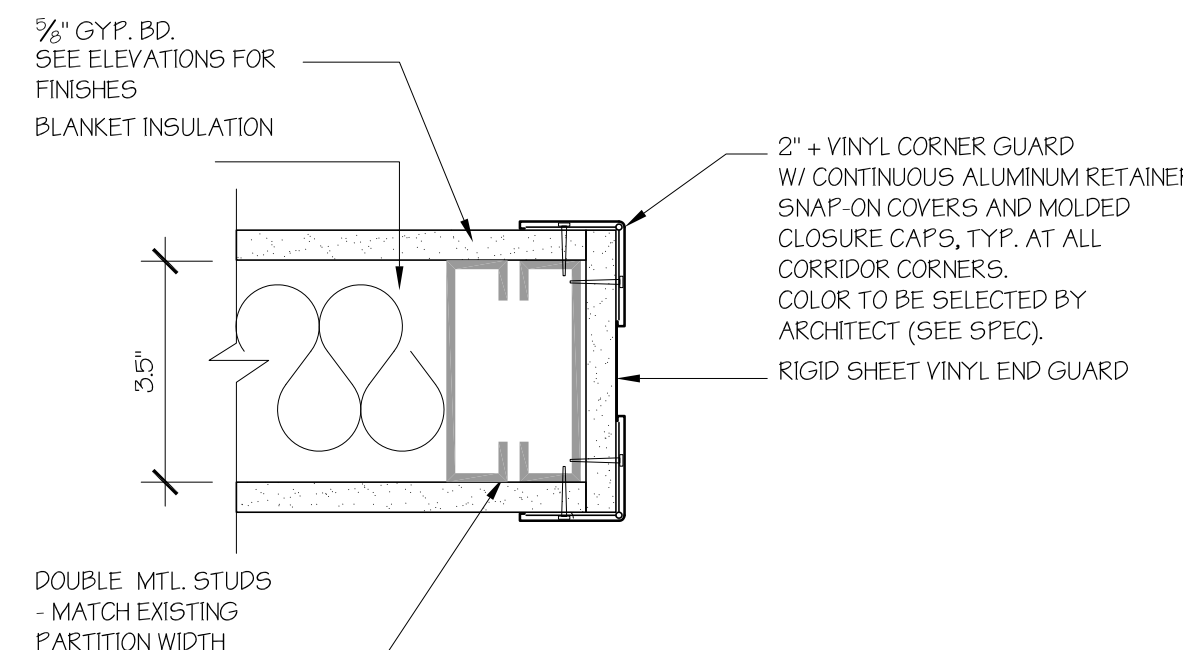
2 DOORS AND FRAMES
 SCALE: 3"=1'-0"



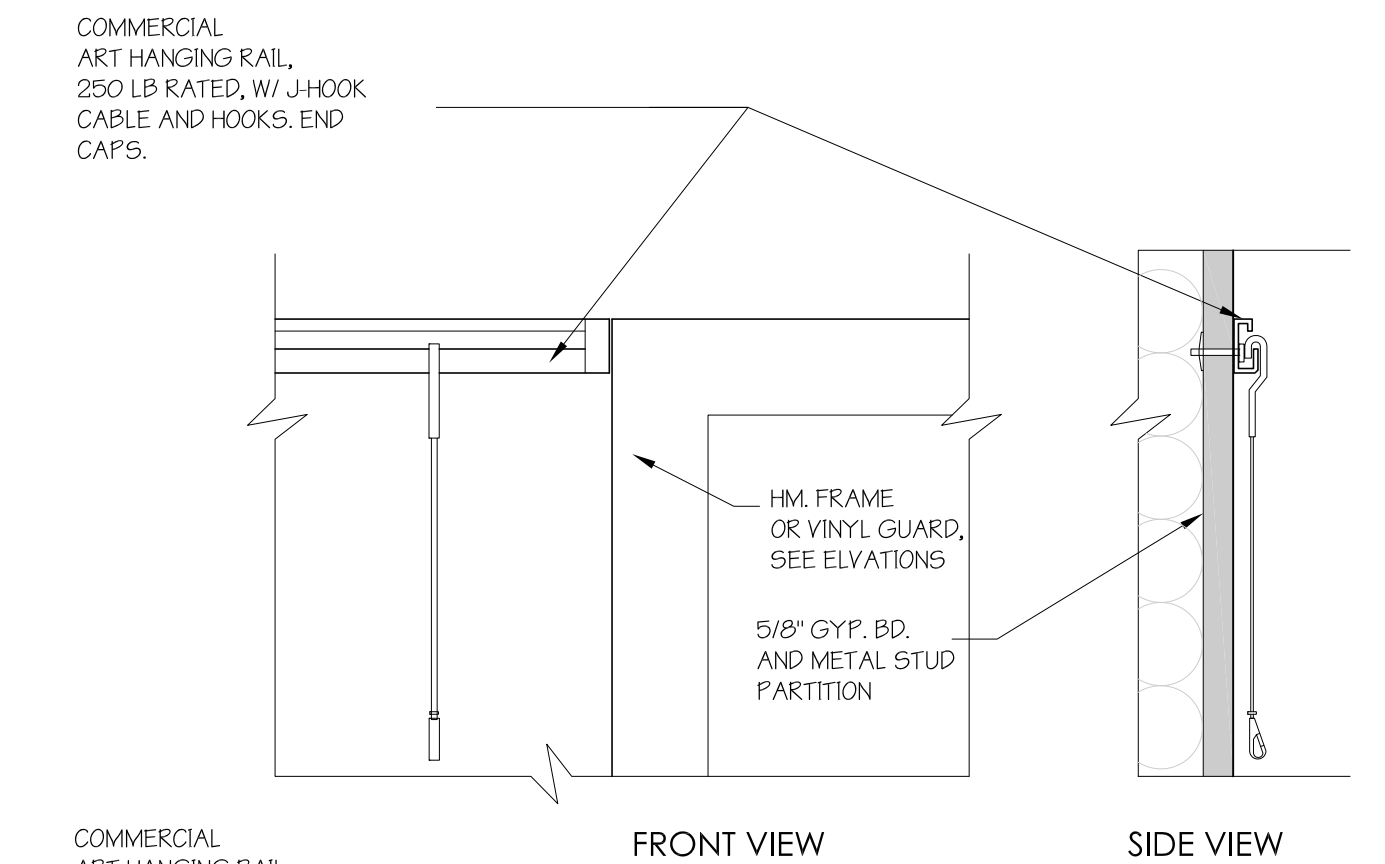
3 JAMB DETAIL J-1
 SCALE: 3"=1'-0"



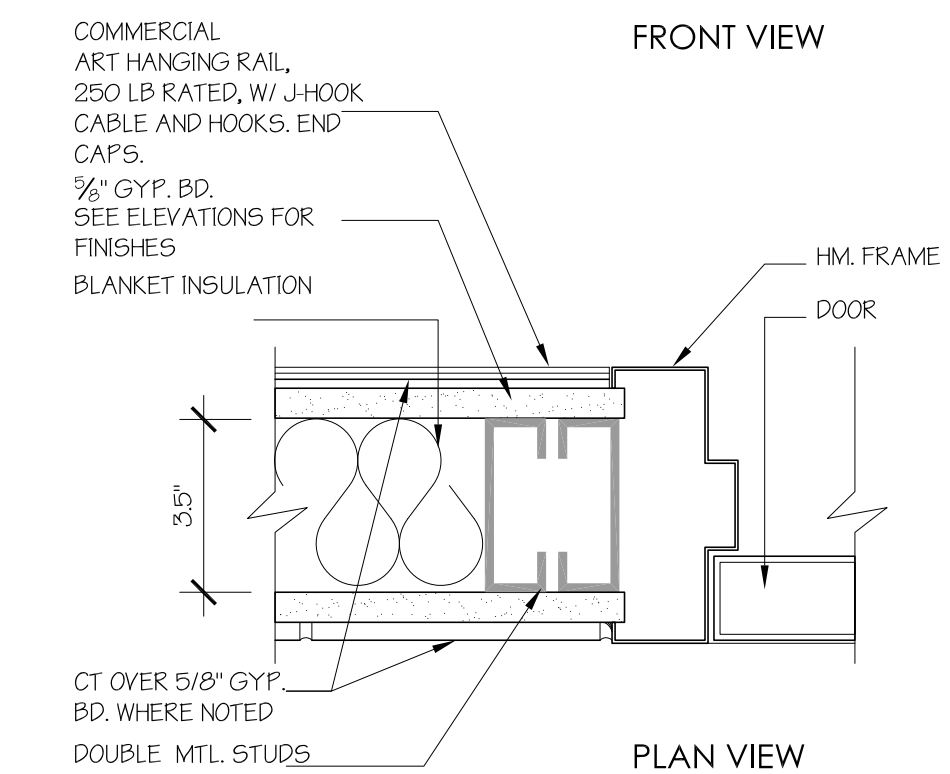
4 HEAD DETAIL H-1
 SCALE: 3"=1'-0"



5 END WALL DETAIL
 SCALE: 3"=1'-0"



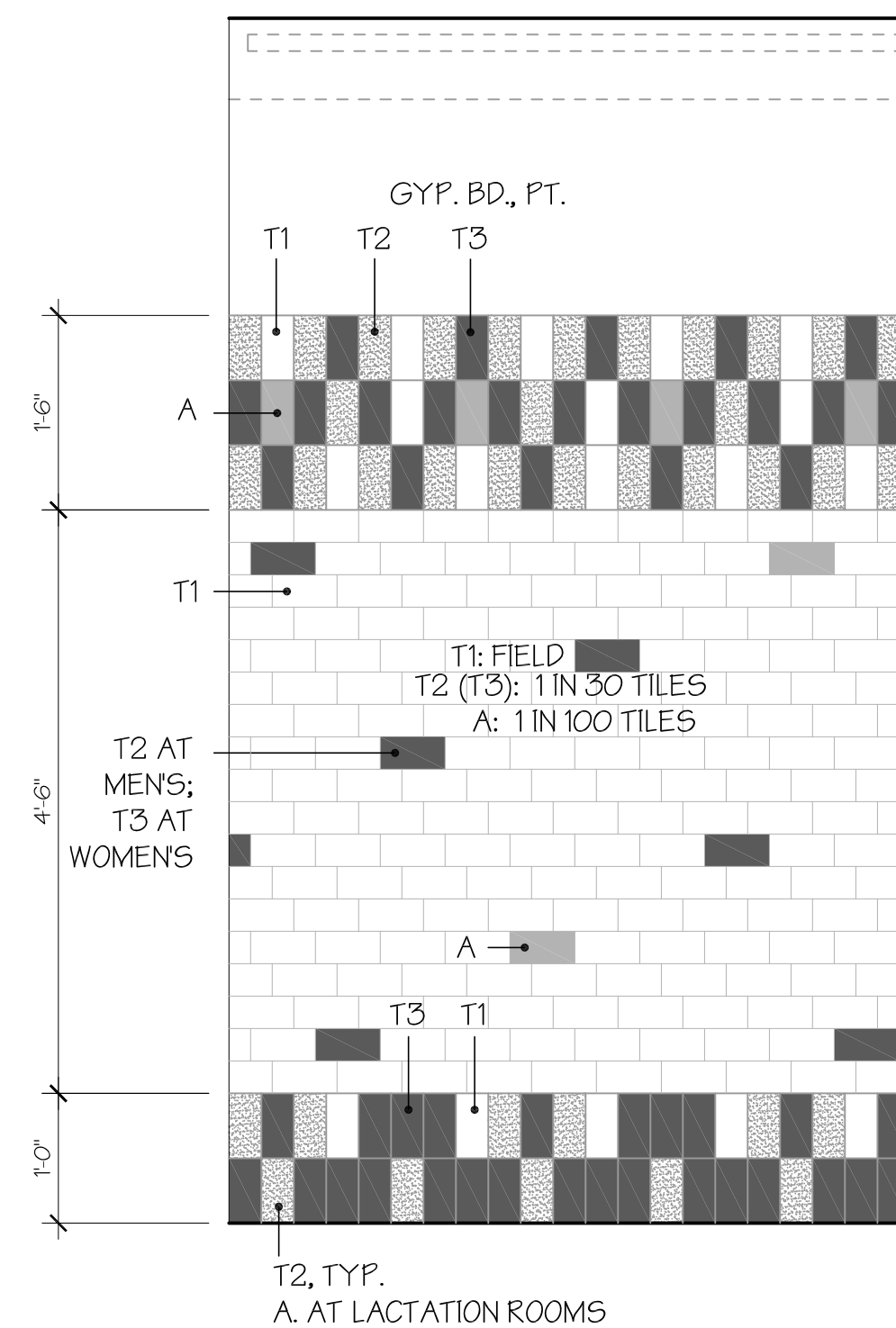
6 DETAILS AT ART HANGING RAIL SYSTEM
 SCALE: 3"=1'-0"



6 DETAILS AT ART HANGING RAIL SYSTEM
 SCALE: 3"=1'-0"

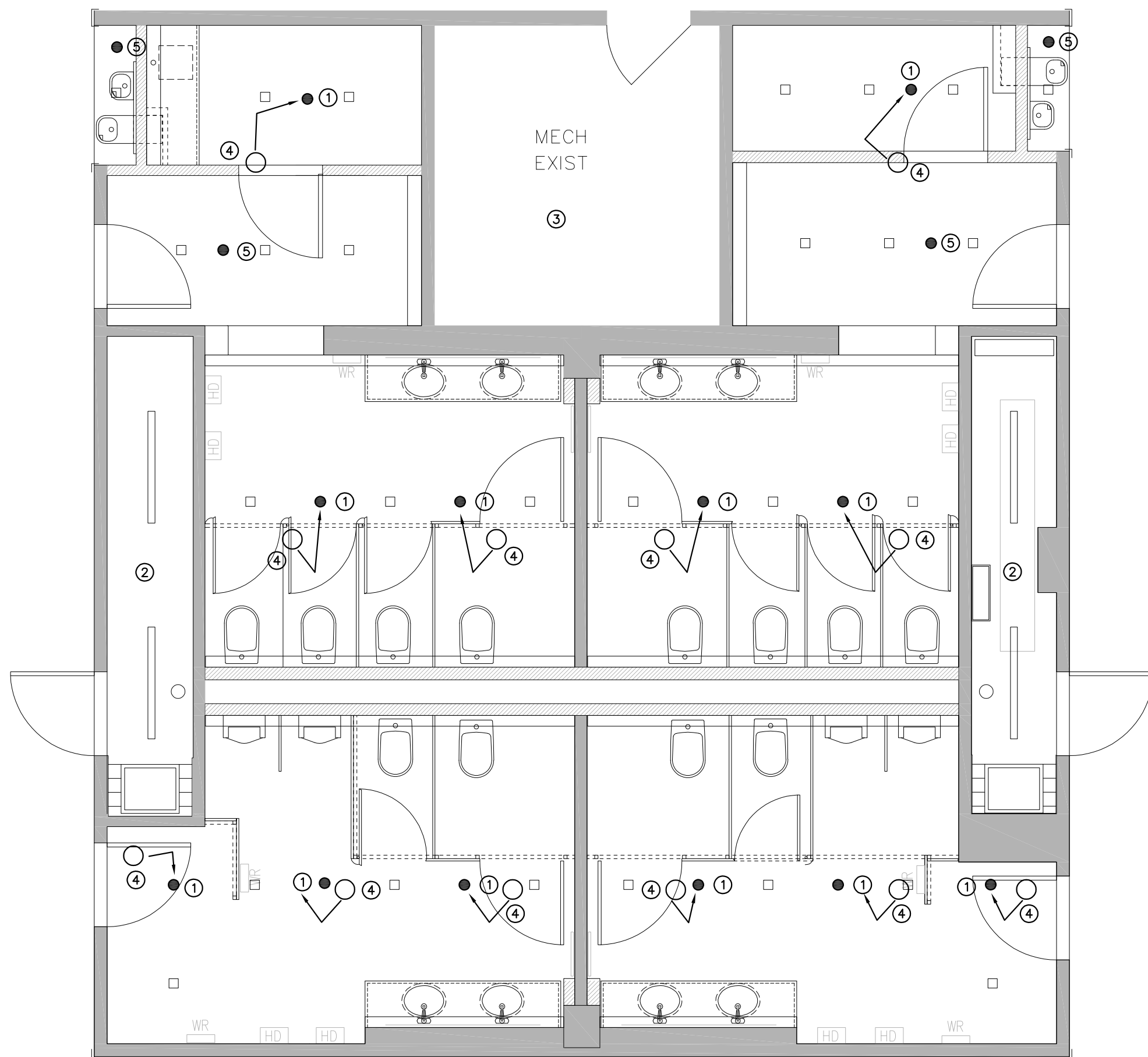
FINISH SCHEDULE						
ROOM NAME & NUMBER	FLOOR	BASES	WALLS <small>SEE REMARKS</small>	CEILINGS	CEILING HEIGHT	REMARKS
ALL FLOORS						
ME-1, 2, 3, 4	CT, T8	CT - T1+T2+T3	CT/GYP. BD.	GYP. BD., PT. 8	8'-8"	1. DIFFERENT COLOR ACCENT TILE AT EACH FLOOR. SEE ELEV. 1/A3.01 FOR COLOR AND PATTERN. 2. SEE ELEVATIONS ON A2.01 FOR GYP. BD. COLORS. 3. GYP. BD. PT. 8 UNLESS OTHERWISE SPECIFIED.
MW-1, 2, 3, 4	CT, T8	CT - T1+T2+T3	CT/GYP. BD.	GYP. BD., PT. 8	8'-8"	
JE-1, 2, 3, 4	CT, T8	CT - T3	CT/GYP. BD. PT. 1	GYP. BD., PT. 8*	8'-8" EXIST.	CERAMIC TILE AROUND THE SINK PATCH GYP. BD./PT. SURFACES AND ACCESS DOORS.
JW-1, 2, 3, 4	CT, T8	CT - T3	CT/GYP. BD. PT. 1	GYP. BD., PT. 8*	8'-8" EXIST.	
WE-1, 2, 3, 4	CT, T8	CT - T1+T2+T3	CT/GYP. BD.	GYP. BD., PT. 8	8'-8"	1. DIFFERENT COLOR ACCENT TILE AT EACH FLOOR. SEE ELEV. 1/A3.01 FOR COLOR AND PATTERN. 3. SEE ELEVATIONS ON A2.01 FOR GYP. BD. COLORS. 2. GYP. BD. PT. 8 UNLESS OTHERWISE SPECIFIED.
WW-1, 2, 3, 4	CT, T8	CT - T1+T2+T3	CT/GYP. BD.	GYP. BD., PT. 8	8'-8"	
BABY-1	CT, T8	CT - T1+T2+T3	CT/GYP. BD.	GYP. BD., PT. 8	8'-8"	
STOR-2, 3, 4	CT, T8	CT - T3	CT/GYP. BD. PT. 1	GYP. BD., PT. 8	8'-8"	PAIN WALLS W/ PT 8 FROM BASE TO CEILING.
LACT-1, 2, 3, 4	CT, T8	CT - T1+T2+T3	CT/GYP. BD. PT. 1, 8	GYP. BD., PT. 8	8'-8"	CERAMIC TILE AROUND THE SINK ONLY. SEE ELEVATIONS.
CE-1, CW-1	QT - EXIST/ CT NEW, T8	QT - EXIST/ RUBBER	VINYL WALL PAPER & CORNER GUARDS	GYP. BD. EXIST. & NEW GYP. BD., PT. AT DF NICHE AND WE-1 ENTRY	8'-8" EXIST.	PRESERVE CT BASE AT REMAINING WALLS. VINYL TRANSITION TRIM AT WALLPAPER EDGE
CE, CW, CN, CS-2, 3, 4	QT - EXIST/ CT NEW, T8	RUBBER	GYP. BD., PT.	GYP. BD., PT. 8	8'-8" EXIST.	DIFFERENT PAINT COLORS AT EACH FLOOR. SEE ELEVATIONS. REPLACE VINYL BASE AT ALL WALLS TO BE REFINISHED. PAINT EXISTING HM FRAMES (PT. 9) AND HM DOORS (PT. 10) IN ALL WALLS CALLED TO BE REFINISHED.

- PAINT ALL CONSTRUCTION - NEW AND EXISTING - INCLUDING BUT NOT LIMITED TO:
 - MISCELLANEOUS ANGLES AND STRUCTURES - CONDUITS, HANGERS, CLIPS
 - UN-INSULATED PIPES
 - PREVIOUS PAINTED AND UN-PAINTED ITEMS
 - NEW UN-PAINTED ITEMS
- DO NOT PAINT NEW FACTORY PAINTED ITEMS
- SEE ELEVATIONS AND FINISH SCHEDULE IN SPECIFICATION SECTIONS FOR PAINT AND TILE COLORS.



7 TILE PATTERN
 SCALE: 3/4"=1'-0"

drawing title		SCHEDULES AND DETAILS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	mark	date	description	drawing prepared by	date
				OP&A Architects LLC	9/14/2018
				project	scale
				410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES	AS NOTED
				drawn by	IMB
				approved by	MAW
				drawing no.	A3.01
				HARTFORD, CT	
				CAD no.	410 Capitol Ave CD.dwg
				project no.	BR-2B-400



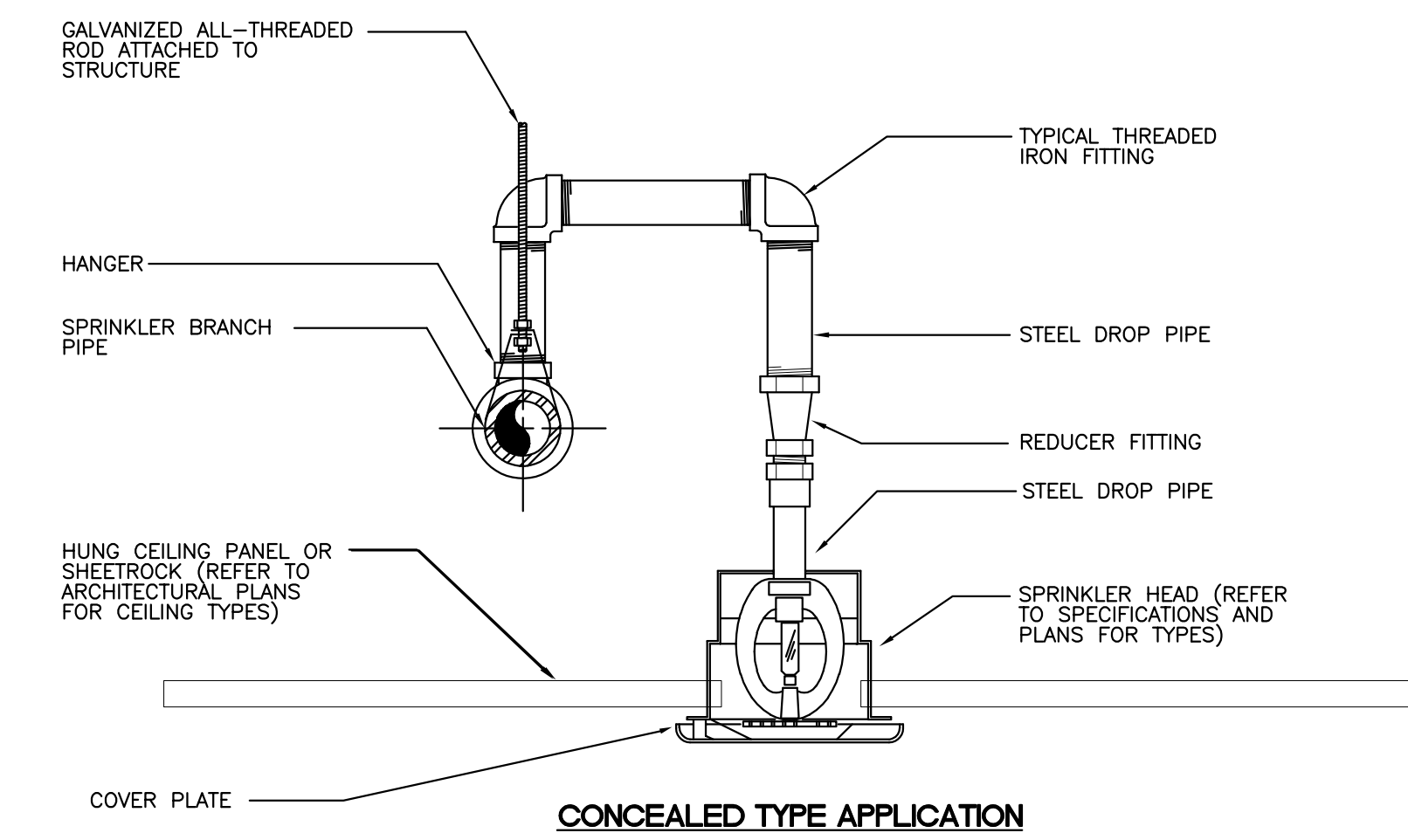
TYPICAL SECOND, THIRD AND FOURTH FLOOR FIRE PROTECTION PLAN
SCALE: 1/4"=1'-0"

FIRE PROTECTION FLOOR PLAN NOTES

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

KEYED NOTES

- ① REMOVE EXISTING SPRINKLER HEAD, REWORK PIPING AND PROVIDE NEW CONCEALED SPRINKLER HEAD AT LOCATION SHOWN.
- ② EXISTING SPRINKLERS IN JANITORS CLOSET TO REMAIN.
- ③ EXISTING SPRINKLERS IN ELECTRIC ROOM TO REMAIN.
- ④ EXISTING SPRINKLER HEAD LOCATION. REMOVE SPRINKLER HEAD AND EXTEND PIPING TO NEW LOCATION.
- ⑤ PROVIDE NEW SPRINKLER HEAD



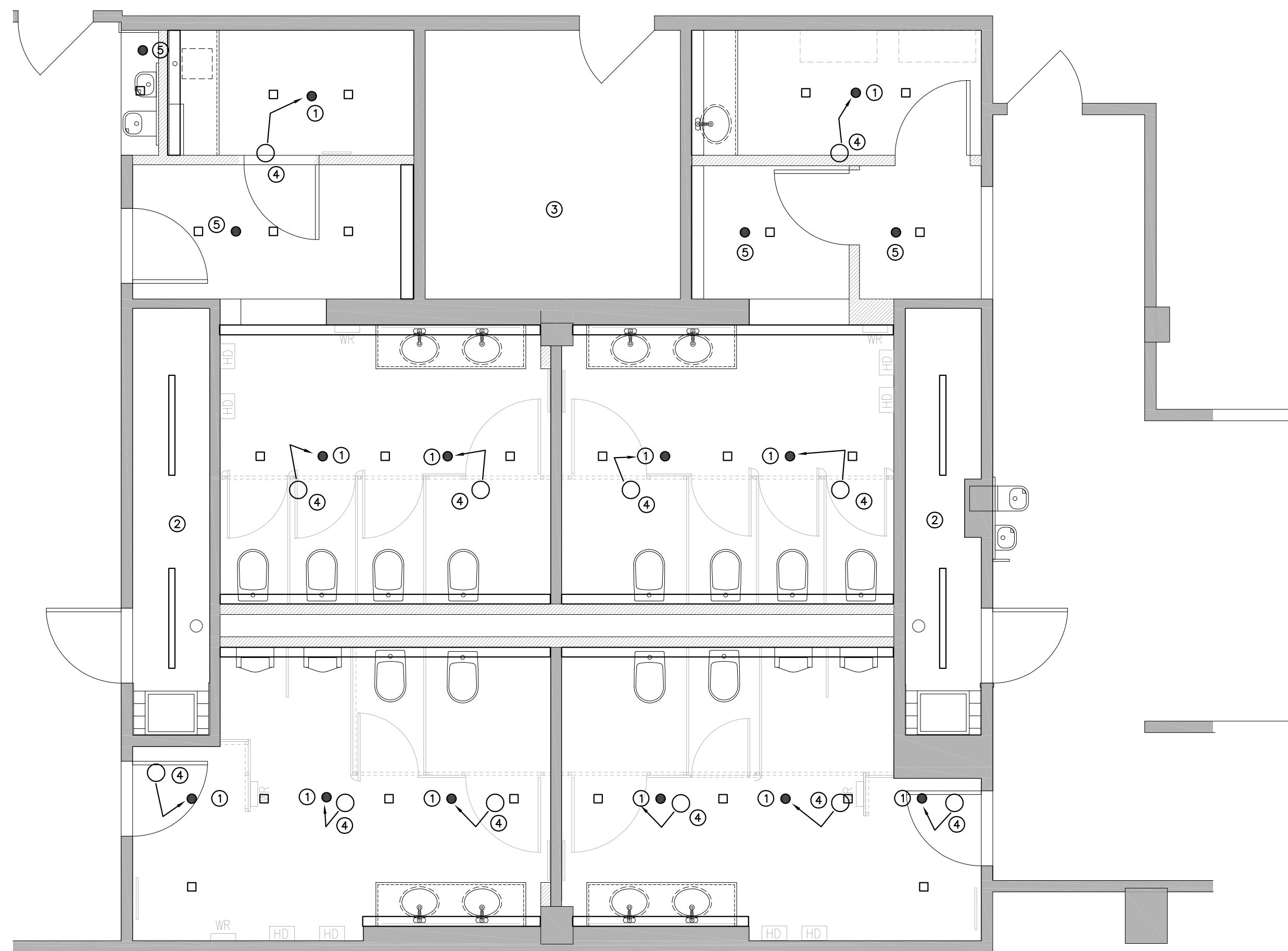
1 TYPICAL SPRINKLER ARM-OVER INSTALLATION DETAIL
FP-1 SCALE: N.T.S.

FIRE PROTECTION GENERAL NOTES

1. THESE DRAWINGS ARE DIAGRAMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE SYSTEM FOR FULL BUILDING COVERAGE. ADDITIONAL HEADS AND PIPING MAY BE REQUIRED TO ACCOMMODATE EXISTING CONDITIONS SUCH AS SOFFITS, DUCTWORK, STRUCTURE, LIGHTS, ETC.
2. THE INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE BASED ON LIGHT HAZARD .10 GPM/SQ FT.
3. THE INSTALLATION OF THE SPRINKLER SYSTEM FOR THE BOILER ROOM, STORAGE ROOMS AND OTHER ROOMS AS NOTED ON THE DRAWINGS SHALL BE BASED ON ORDINARY HAZARD .15 GPM/SQ FT.
4. THIS FLOW DATA IS TO BE USED AS A GUIDE BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM A FLOW TEST WITNESSED BY THE LOCAL FIRE MARSHAL. THE CONTRACTOR SHALL USE FLOW DATA FROM THIS TEST FOR HIS/HER HYDRAULIC CALCULATIONS.
5. PROVIDE AN OUTSIDE HOSE STREAM ALLOWANCE AS REQUIRED BY NFPA 13 WHEN PERFORMING HYDRAULIC CALCULATIONS.
6. PROVIDE COMPLETE SPRINKLER INSTALLATION IN CONFORMANCE WITH NFPA 13, LOCAL, STATE, AND FEDERAL CODES, AND REQUIREMENTS.
7. CONTRACTOR SHALL MAKE PROVISIONS FOR DRAINING THE ENTIRE SYSTEM AS PER NFPA 13.
8. SPRINKLER LAYOUT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ARE TO BE SUBMITTED AS DESCRIBED IN THE SPECIFICATIONS.
9. COORDINATE FIRE PROTECTION INSTALLATION WITH WORK OF OTHER TRADES.
10. SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
12. COORDINATE SPRINKLER WORK WITH EXISTING AND NEW LIGHTS, DIFFUSERS AND DUCTWORK.
13. PROVIDE SWING JOINT ASSEMBLY WHERE SPRINKLER PIPING CROSSES BUILDING EXPANSION JOINTS.
14. PROVIDE HANGERS, SUPPORTS, AND SEISMIC BRACING AS REQUIRED TO UNDER NFPA 13.
15. SPRINKLERS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS.
16. ALL PIPING SHOWN SHALL BE LOCATED ABOVE CEILING OR IN SOFFIT SPACE UNLESS NOTED OTHERWISE OR IF THE ROOM HAS NO CEILING.
17. ALL EXISTING MAIN AND BRANCH PIPING SHALL BE MAINTAINED WHERE POSSIBLE. THE CONTRACTOR SHALL RELOCATE EXISTING BRANCH PIPING AS REQUIRED (RAISING AND/OR LOWERING OF PIPING) TO ACCOMMODATE NEW SPRINKLER LAYOUT IN AREA AS SHOWN. THE MINIMUM SIZE OF THE BRANCH PIPING SERVING TWO SPRINKLERS SHALL BE 1".
18. ALL BRANCH CONNECTIONS NOT BEING USED SHALL BE REMOVED AND CAPPED AT MAIN.

SPRINKLER CONSTRUCTION PROCEDURES

1. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO OBTAIN APPROVAL OF SHOP DRAWINGS FOR OWNERS INSURANCE CARRIER, THE FIRE PREVENTION BUREAU, AND ALL LOCAL AUTHORITIES HAVING JURISDICTION. ANY INSTALLATION OF THE SPRINKLER SYSTEM WITHOUT APPROVED PLANS SHALL BE AT THE SOLE RISK AND EXPENSE OF THE CONTRACTOR.
2. SPRINKLER CONTRACTOR MUST CONTACT THE OWNERS CONSTRUCTION COORDINATORS AND REQUEST THE SPRINKLER MAIN TO BE ISOLATED AND/OR DRAINED. THIS PROCEDURE MUST BE ADHERED TO WHEN PRESSURE TESTING AND/OR PLACING SYSTEM IN OR OUT OF SERVICE.
3. CONSTRUCTION COORDINATOR AND AUTHORITIES HAVING JURISDICTION SHALL WITNESS ALL SYSTEM PRESSURE TESTS WITH 24 HOUR NOTICE FROM THE CONTRACTOR MAKING THE TESTS.
4. ALL WORK SHALL MEET THE REQUIREMENTS OF THE OWNER. N.F.P.A AND ALL AUTHORITIES HAVING JURISDICTION. INSTALLATION PROCEDURES SHALL COMPLY WITH THE SAFETY RULES OF O.S.H.A. AND THE STATE OF CONNECTICUT.
5. CONTRACTOR MUST PROVIDE A FIRE WATCH WHENEVER ANY WELDING IS DONE WITHIN THE BUILDING DURING THE WELDING OPERATION AND FOR ONE HOUR AFTER.
6. FINAL CONNECTION TO THE SPRINKLER MAIN SHALL NOT BE MADE UNTIL THE ENTIRE SYSTEM IS COMPLETED, PRESSURE TESTED AND READY FOR SERVICE.
7. NO STOCK OF FURNISHINGS SHALL BE ALLOWED ON THE PREMISES UNTIL THE ENTIRE SYSTEM IS COMPLETED IN ACCORDANCE WITH THE ABOVE NOTE AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION.
8. CONTRACTOR SHALL PROVIDE A MATERIAL TEST AND CERTIFICATION FORM TO ALL REQUIRED AUTHORITIES HAVING JURISDICTION AND INSURANCE CARRIER SO AS TO CERTIFY THAT THE SPRINKLER SYSTEM WAS INSTALLED IN ACCORDANCE WITH DRAWINGS, CODES, PROCEDURES, AND SPECIFICATIONS.
9. THE INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE PER NFPA 13 AS STATED IN THE GENERAL NOTES.



FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/4"=1'-0"

drawing title FIRE PROTECTION PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC
	mark	date	description
	project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES HATFORD, CT CAD no.		
date 9/14/2018 scale AS NOTED drawn by RND approved by RND drawing no. FP1.01			project no. Bl-2B-400

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	MANUFACTURER MODEL NUMBER	PIPE SIZES				DESCRIPTION	NOTES
			HOT	COLD	SOIL OR WASTE	VENT		
WC-1	WATER CLOSET WALL HUNG ADA ACCESSIBLE	TOTO MODEL CT708EG	---	1"	4"	2"	WALL MOUNT WATER CLOSET, 17" UNIVERSAL HEIGHT, VITREOUS CHINA, WHITE, HIGH EFFICIENCY TOILET (1.28 GPF), ELONGATED BOWL, FULLY GLAZED TRAPWAY, DIRECT-FED SIPHON JET ACTION, 1 1/2" TOP SPUD, CHURCH 295CT OPEN FRONT ELONGATED SEAT LESS COVER, WHITE, TOTO FLUSH VALVE MODEL TET1LA, SELF-POWERED, SENSOR ACTIVATED, HYDROELECTRIC FLUSH VALVE SYSTEM, 1.28 GPM, W/VACUUM BREAKER, SCREWDRIVER STOP, SENSOR OPERATED. PROVIDE CARRIER, MODEL TO MATCH APPLICATION.	NOTE #2
WC-2	WATER CLOSET WALL HUNG	TOTO MODEL CT708EG	---	1"	4"	2"	WALL MOUNT WATER CLOSET, 15" UNIVERSAL HEIGHT, VITREOUS CHINA, WHITE, HIGH EFFICIENCY TOILET (1.28 GPF), ELONGATED BOWL, FULLY GLAZED TRAPWAY, DIRECT-FED SIPHON JET ACTION, 1 1/2" TOP SPUD, CHURCH 295CT OPEN FRONT ELONGATED SEAT LESS COVER, WHITE, TOTO FLUSH VALVE MODEL TET1LA, SELF-POWERED, SENSOR ACTIVATED, HYDROELECTRIC FLUSH VALVE SYSTEM, 1.28 GPM, W/VACUUM BREAKER, SCREWDRIVER STOP, SENSOR OPERATED. PROVIDE CARRIER, MODEL TO MATCH APPLICATION.	NOTE #2
UR-1	URINAL WALL HUNG ADA ACCESSIBLE	TOTO MODEL UT447E	---	1"	2"	1 1/2"	HIGH EFFICIENCY URINAL (0.5 GPF), ELONGATED 14" RIM FROM FINISHED WALL, WASHOUT FLUSH ACTION, 3/4" TOP INLET SPUD, STAINLESS STEEL STRAINER, OUTLET CONNECTION THREADED 2"NPTF INSIDE, WALL HANGER, ZURN CARRIER, COLOR: WHITE. TOTO SENSOR ACTIVATED FLUSH VALVE MODEL TEU1LA12#CP, 0.5 GPF, W/VACUUM BREAKER, SCREWDRIVER STOP, PROTECTIVE CAP.	NOTE #2
UR-2	URINAL WALL HUNG	TOTO MODEL UT447E	---	1"	2"	1 1/2"	HIGH EFFICIENCY URINAL (0.5 GPF), ELONGATED 14" RIM FROM FINISHED WALL, WASHOUT FLUSH ACTION, 3/4" TOP INLET SPUD, STAINLESS STEEL STRAINER, OUTLET CONNECTION THREADED 2"NPTF INSIDE, WALL HANGER, ZURN CARRIER, COLOR: WHITE. TOTO SENSOR ACTIVATED FLUSH VALVE MODEL TEU1LA12#CP, 0.5 GPF, W/VACUUM BREAKER, SCREWDRIVER STOP, PROTECTIVE CAP.	NOTE #2
LAV-1	LAVATORY UNDERMOUNT ADA	TOTO MODEL LT569	1/2"	1/2"	1 1/2"	1 1/2"	WHITE VITREOUS CHINA, OVAL 17"x14" UNDERMOUNT BOWL WITH OVERFLOW. TOTO MODEL TEL105-DYJET SENSOR ACTIVATED FAUCET, ADA COMPLIANT, CHROME FINISH, SINGLE HOLE, THERMOSTATIC MIXING VALVE, 0.09 GPC, PROVIDE GRID DRAIN WITH MCGUIRE MODEL 8872 P-TRAP WITH C.O. PLUG, MCGUIRE MODEL 167 STOPS AND SUPPLIES.	NOTE #1,2
DF-1	TWO LEVEL ADA ACCESSIBLE DRINKING FOUNTAIN WITH BOTTLE FILLER	ELKAY LVRCTLBWSK	---	1/2"	1 1/2"	1 1/2"	TWO LEVEL STATION, WATER COOLER WITH BOTTLE FILL STATION. UNITS SHALL BE STAINLESS STEEL CONSTRUCTION AND INCLUDE VANDAL-RESISTANT PUSHBUTTON ACTIVATION. COOLER SHALL PROVIDE 8.0 GPH OF DRINKING WATER BASED ON 90 DEGREE AIR. REFRIGERATION SYSTEM SHALL BE CFC-FREE. INCLUDE WATER FILTER, MOUNTING FRAME AND TRAP ASSEMBLY.	NOTE #2
SINK-1	SINK UNDERMOUNT ADA	ELKAY MODEL ELU121255PD	1/2"	1/2"	1 1/2"	1 1/2"	STAINLESS STEEL 14"x14"x5.8" UNDERMOUNT SINK. 18 GAUGE, TYPE 304 STAINLESS STEEL. ELKAY MODEL LK40608076 FAUCET WITH GOOSNECK AND WRIST BLADE HANDLES, ADA COMPLIANT, CHROME FINISH, TWO HOLE. PROVIDE ELKAY LKDS99 BASKET STRAINER. PROVIDE MCGUIRE MODEL 8872 P-TRAP WITH C.O. PLUG, MCGUIRE MODEL 167 STOPS AND SUPPLIES.	
CO	CLEANOUT	J.R. SMITH MODEL 4890C-SW	---	---	---	---	ALL NICKEL BRONZE WITH POLISHED SCORIATED COVER SUPPLY WITH SPANNER WRENCH.	
WCO	WALL CLEANOUT	J.R. SMITH MODEL 4436C-SC -TP-U-PB MODEL 4437C-SC -TP-U-PB	---	---	---	---	DUCCO CAST IRON SPIGOT FERRULE WITH CAST BRONZE TAPER THREADED PLUG, CHROME PLATED BRONZE ROUND FRAME AND SECURED COVER. PROVIDE WITH VANDAL PROOF SCREWS, AND POLISHED BRONZE FRAME AND COVER MODEL 4436 - FACE OF WALL - TILE, MASONRY, DRY WALL MODEL 4437C - FLUSH WITH WALL - PLASTER, WET WALL	
FCO	FLOOR CLEANOUT	J.R. SMITH MODEL 4100S-F-C -U-PB	---	---	---	---	DUCCO CAST IRON CLENOUT WITH ROUND ADJUSTABLE SCORIATED SECURE NICKLE BRONZE TOP GASKET TYPE SEAL WITH BRONZE CLOSURE PLUG. SUPPLY WITH FLASHING FLANGE WITH CLAMP, VANDAL DRIP.	
MS-1	MOP SINK	ADVANCED TABCO MODEL 9-OP-40DF	1/2"	1/2"	3"	1-1/2"	MOP SERVICE BASIN, STAINLESS STEEL, 16"x20"x12" W/ DROP FRONT CAST INTEGRAL DRAIN BODY AND PROVIDE FOR A 3" CONNECTION. FAUCET T&S BRASS MODEL B-0665-BSTP POLISHED CHROME FINISH BUILT IN STOPS, VACUUM BREAKER, LEVER HANDELS, PAIL HOOK WALL BRACE, 3/4" HOSE THREAD OUTLET. PROVIDE WITH STAINLESS STEEL WALL GUARDS.	
TMV-1	THERMAL MIXING VALVE	BRADLEY S59-304S	3/4"	3/4"	---	---	THERMAL MIXING VALVE, 0.5 GPM MINIMUM FLOW, 10 GPM @ 20 PSI PRESSURE DROP. PROVIDE BALL VALVES ON INLETS AND OUTLET. PROVIDE OP/UTLET THERMOMETER.	

- NOTES:**
- PROVIDE TRUEBRO LAV-GUARD 2 PROTECTION ON THE HOT WATER, COLD WATER, AND WASTE PIPING UNDER FIXTURES.
 - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES. HANDICAP ACCESSIBLE FIXTURES SHALL BE MOUNTED TO ADA SPECIFICATIONS WHERE IDENTIFIED ON THE ARCHITECTURAL DRAWINGS.

DOMESTIC IN-LINE CIRCULATING PUMP SCHEDULE

EQUIP. TAG	GPM	HEAD (FT.)	RPM	FLANGE SIZE (IN.)	MOTOR			MANUFACTURER	MODEL
					HP	PHASE	VOLT		
RCP-1	4.0	12	1750	3/4"	0.04	1	120	TACO	008-SF6

- NOTES:**
- STAINLESS STEEL PUMP FOR DOMESTIC WATER USE.
 - PROVIDE AQUASTAT CONTROL.

DOMESTIC HOT WATER EXPANSION TANK SCHEDULE

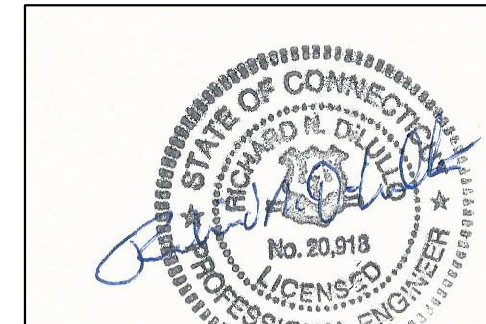
EQUIP. TAG	MANUFACTURER	MODEL	MAXIMUM TANK VOLUME (GALS.)	MAXIMUM ACCEPT VOLUME (GALS.)	WORKING PRESSURE (PSIG.)	PRECHARGED PRESSURE (PSIG.)
ET-1	AMTROL, INC.	AMTROL #ST-12-C	6.4	3.2	150 ASME	55

ELECTRIC WATER HEATER SCHEDULE

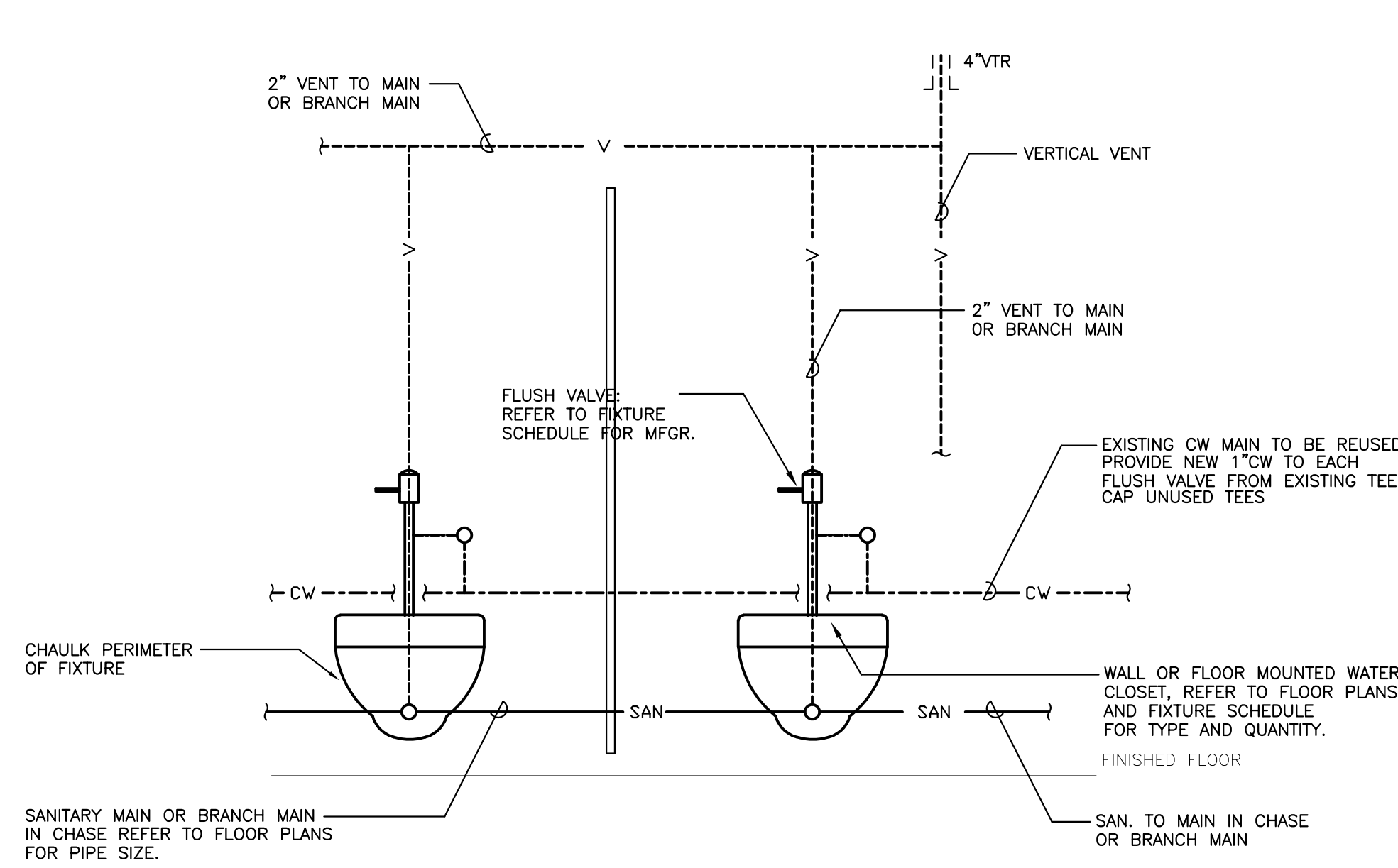
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	TANK DIMENSIONS	LOCATION	FUEL TYPE	GAL. CAP.	MAX. KW INPUT	RECOVERY GPH @ 100°F RISE	ELEC. DATA VOLT-PH	REMARKS
WH-1	AO SMITH DEV-52-12	TANK ELEC	55.25" H 22.75" ø	JAN CLOSET 4TH FLOOR	ELEC.	50	12	55	480/3ø	1.

PLUMBING LEGEND

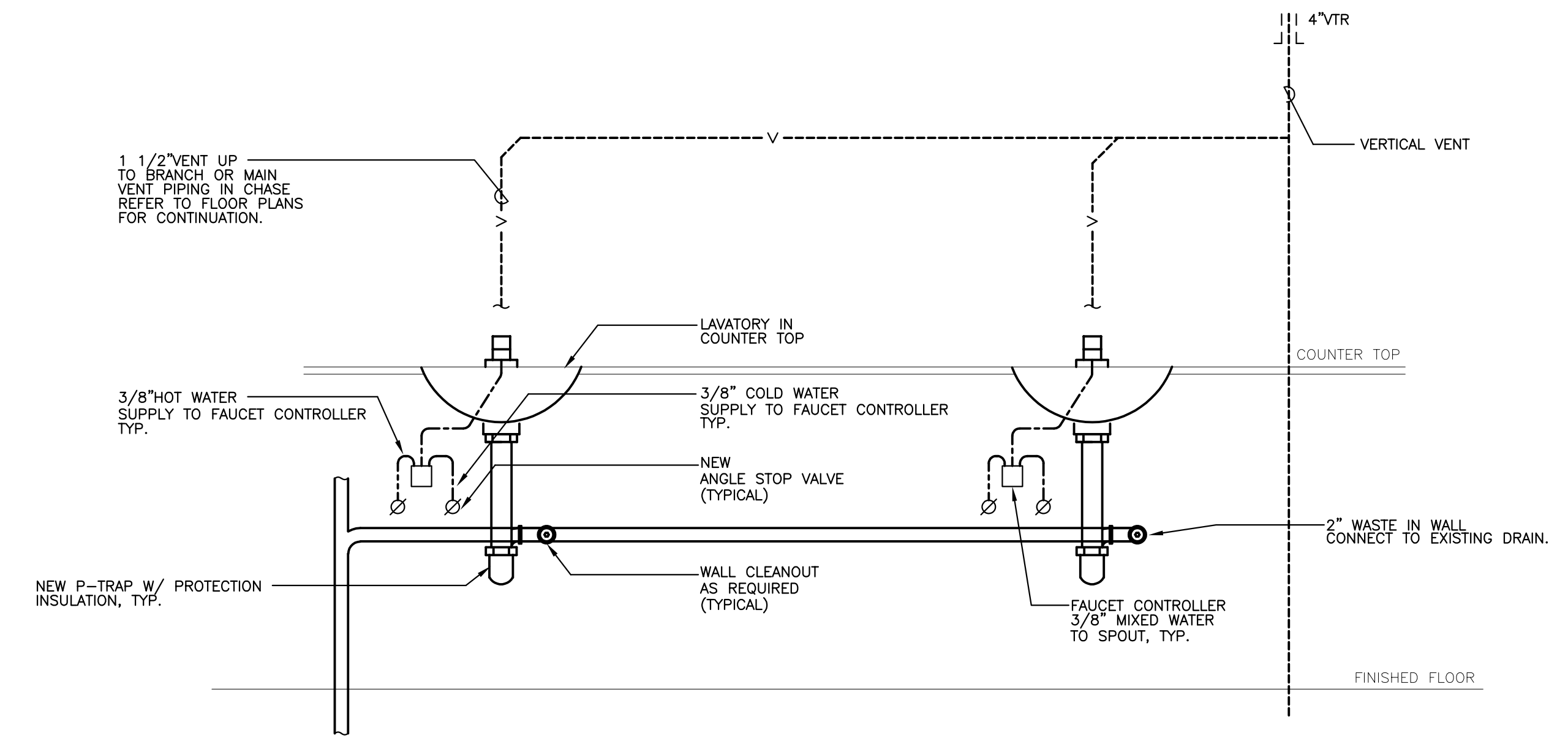
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING VENT		SAFETY OR RELIEF VALVE
	EXISTING SANITARY OR WASTE		RECIRCULATING PUMP
	EXISTING SANITARY OR WASTE BELOW SLAB		HOSE BIB
	SANITARY OR WASTE BELOW SLAB		TEMPERATURE GAUGE
	SANITARY OR WASTE		FLOOR DRAIN
	EXISTING STORM BURIED		PRESSURE GAUGE
	EXISTING STORM ABOVE SLAB		VENT
	STORM BURIED		BALL VALVE
	STORM ABOVE SLAB		OS&Y VALVE
	VENT		GATE VALVE
	COLD WATER		CHECK VALVE
	HOT WATER		THREE WAY MIXING VALVE
	HOT WATER RECIRCULATION		PLUG VALVE
	CONDENSATE DRAIN		STRAINER
	EXISTING COLD WATER		BALANCING VALVE
	EXISTING HOT WATER		CONCENTRIC REDUCER
	EXISTING HOT WATER RECIRCULATION		ECCENTRIC REDUCER
	FLOW ARROW		UNION
	DROP AND RUN		UNION
	TEE OFF TOP		END CAP
	DROP OFF BOTTOM		PIPE GUIDE
	90° ELBOW DOWN		PIPE ANCHOR
	TEE DOWN		CONNECT TO EXISTING
	TEE UP		SINK TRAP



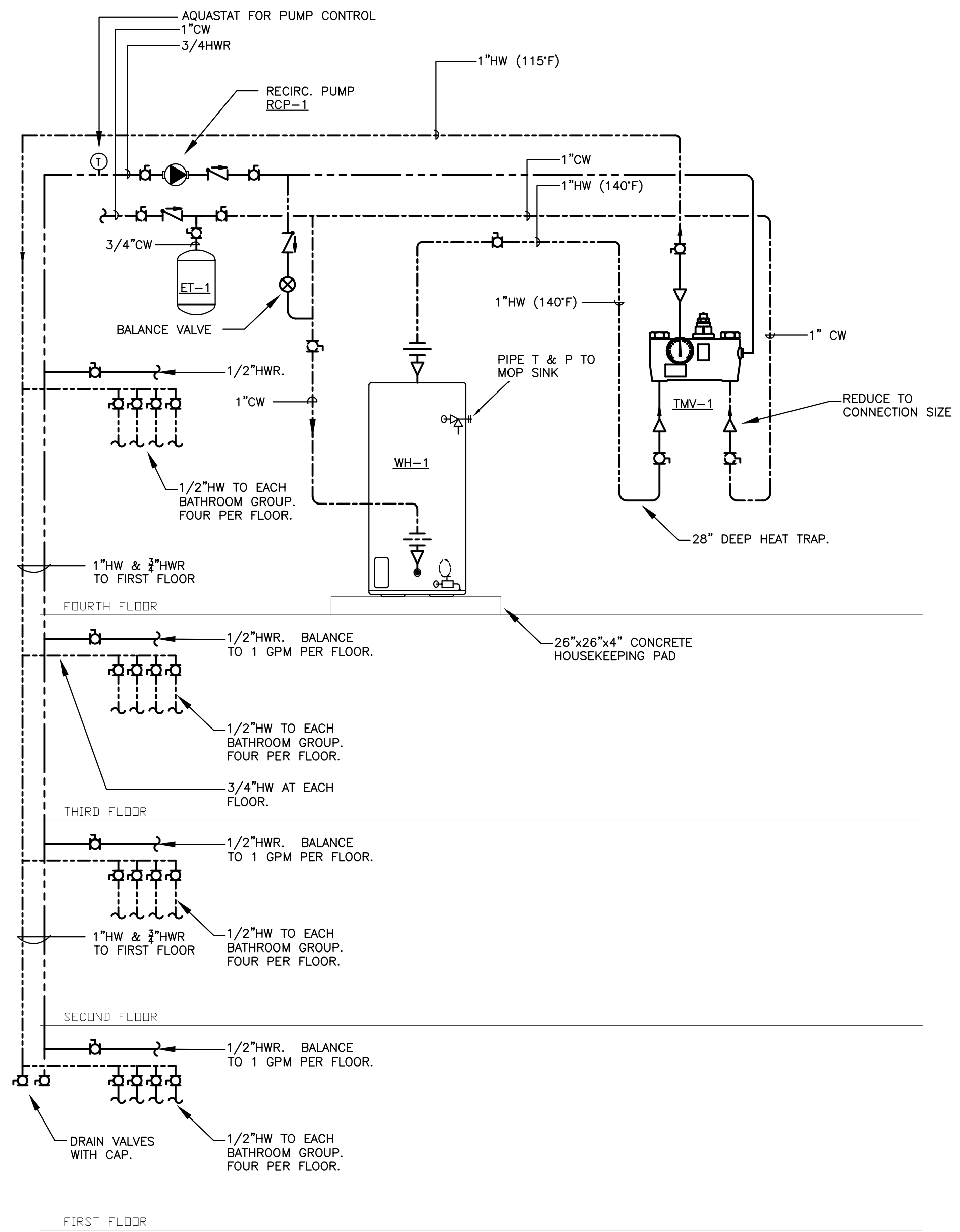
drawing title PLUMBING SCHEDULE AND SPECIFICATION		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC 312 Park St West Hartford CT 06119 www.opaarch.com 860.232.8664
	mark	date	description
project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES			date 9/14/2018 scale AS NOTED
HATFORD, CT			drawn by RND approved by RND drawing no.
CAD no.	project no. BI-2B-400	P0.01	



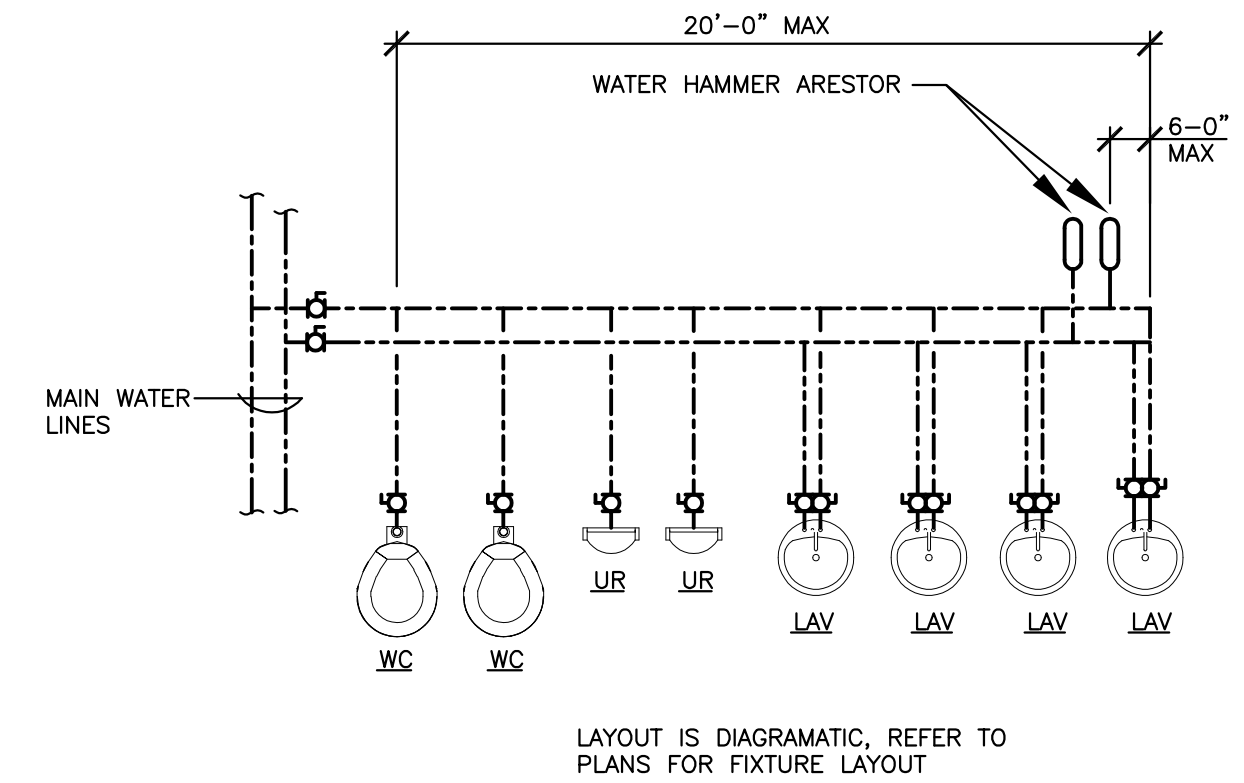
1 TYPICAL WALL HUNG WATER CLOSET CONNECTION DETAIL
NOT TO SCALE



2 TYPICAL LAVATORY CONNECTION DETAIL
NOT TO SCALE



1 WATER HEATER DETAIL
NOT TO SCALE



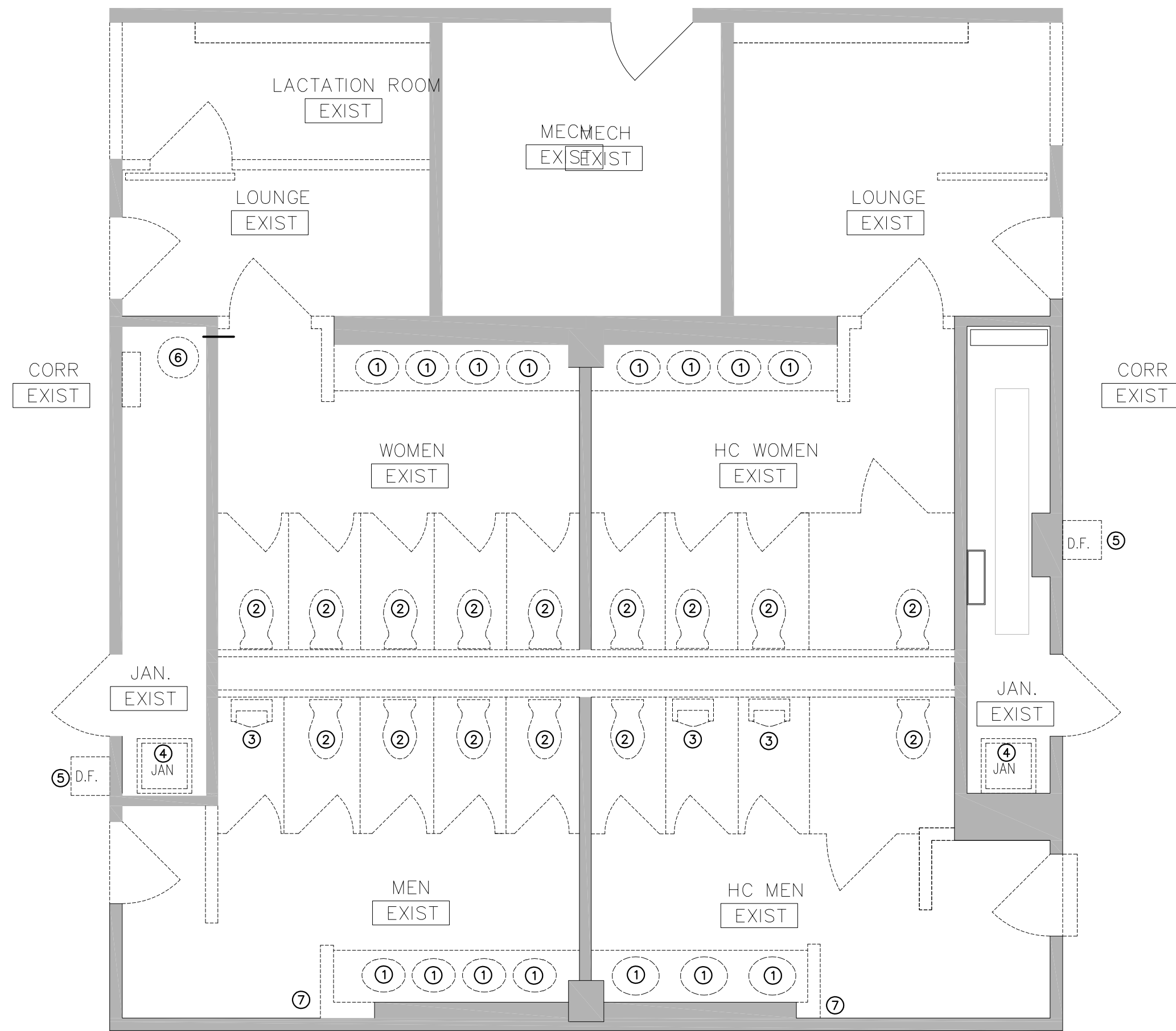
FIXTURE	FIXTURE UNITS	
	COLD	HOT
WATER CLOSET	8	0
URINAL	4	0
LAVATORY	1.5	1.5

BRANCH FIXTURE UNITS	ARRESTOR	
	SIoux	CHIEF
1-11	A	
12-32	B	
33-60	C	
61-113	D	

2 WATER HAMMER ARESTOR DIAGRAM
NOT TO SCALE

- ARESTOR MODEL SELECTION:
1. ADD WATER FIXTURE UNITS FOR BRANCH PIPING.
 2. SELECT ARRESTOR CORRESPONDING TO BRANCH FIXTURE UNITS.
 3. MANUFACTURER ARE LISTED FOR REFERENCE, EQUAL PRODUCT MAY BE PROVIDED.

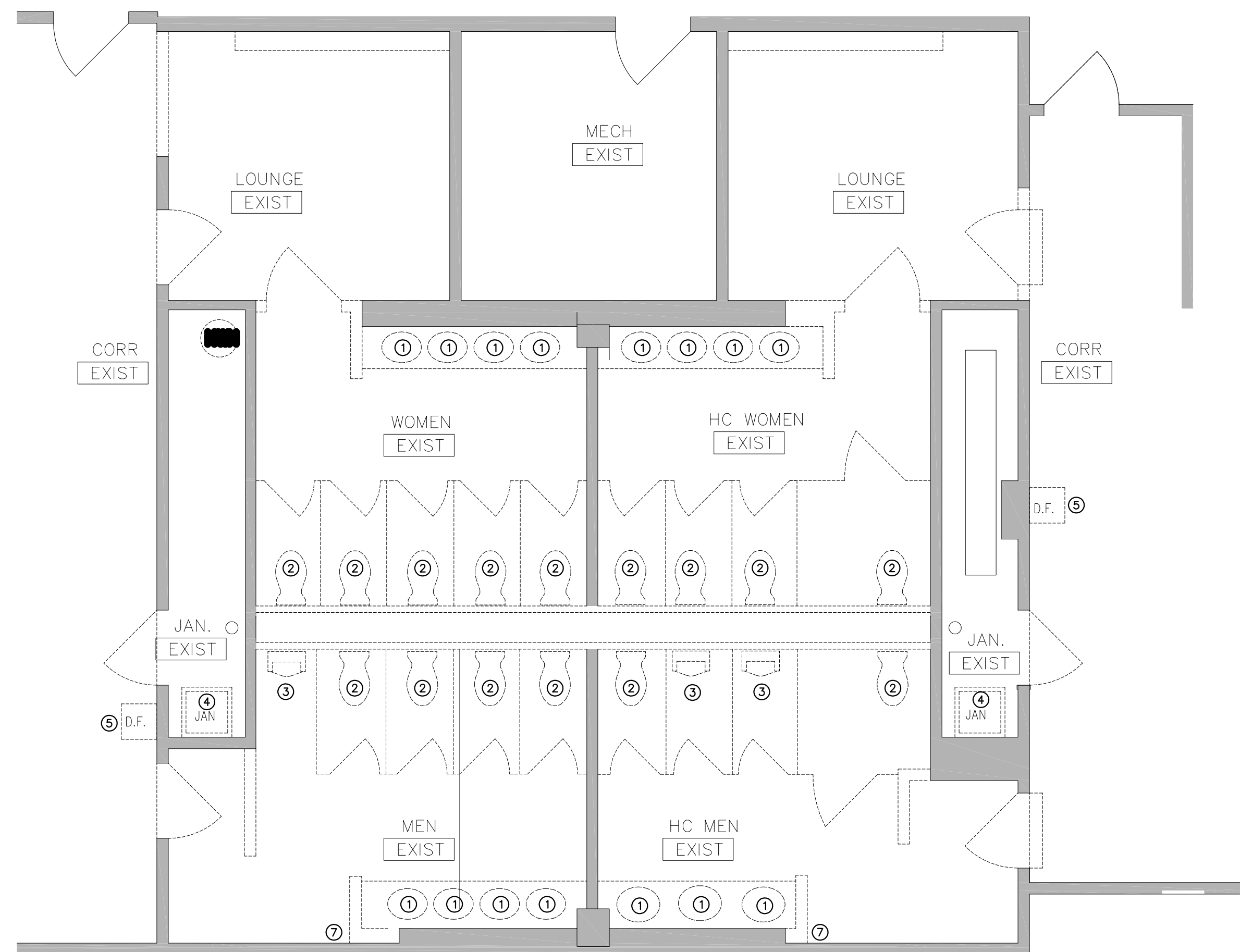
drawing title PLUMBING DETAILS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC
	mark	date	description
project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES		date 9/14/2018	scale AS NOTED
HATFORD, CT		drawn by RND	approved by RND
CAD no.	project no. BI-2B-400	drawing no. P0.02	



PLUMBING DEMOLITION PLAN KEY NOTES:

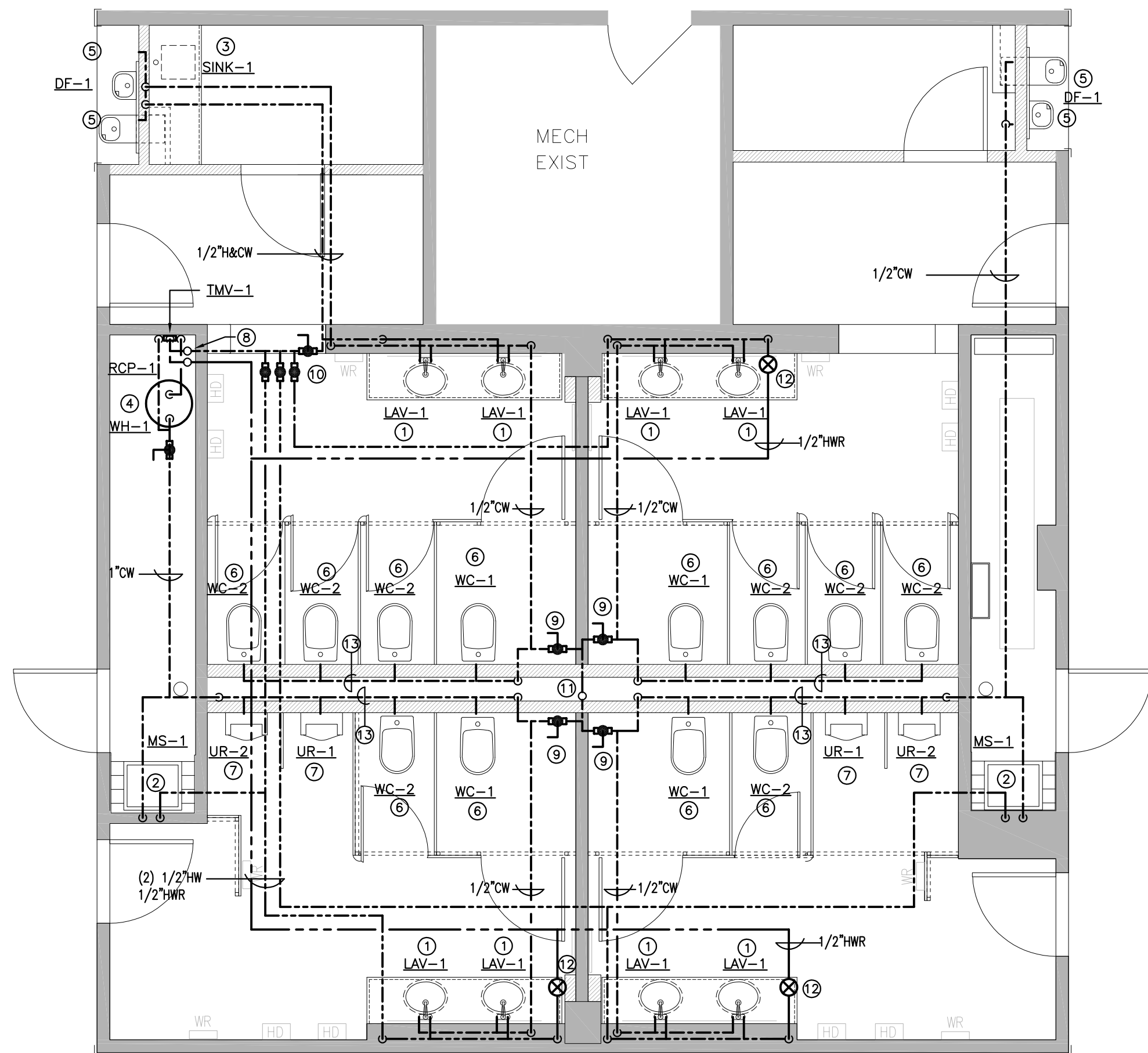
- ① REMOVE LAV AND FAUCETS. REMOVE WASTE AND VENT BACK TO PIPING IN WALL. REMOVE H&CW WATER BRANCH PIPING BACK TO MAIN IN WALL. CAP ALL UN-USED PIPING WITHIN WALL.
- ② REMOVE WATER CLOSET AND CARRIER. REMOVE WASTE AND VENT BACK TO RISER. REMOVE CW TO MAIN RISER IN WALL.
- ③ REMOVE URINAL AND SUPPORTS. REMOVE WASTE AND VENT BACK TO RISER. REMOVE CW TO MAIN RISER IN WALL.
- ④ REMOVE JANITOR SINK AND FAUCET. REMOVE H&CW PIPING. WASTE STACK WITHIN WALL TO REMAIN FOR REUSE.
- ⑤ REMOVE DRINKING FOUNTAIN. CAP WASTE & CW IN WALL.
- ⑥ REMOVE WATER HEATER. REMOVE H&CW PIPING BACK MAIN.
- ⑦ REMOVE ALL ABANDONED PIPING FOUND IN WALL AFTER DEMOLITION OF WALLS.

TYPICAL SECOND, THIRD AND FOURTH FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/4"=1'-0"



FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/4"=1'-0"

drawing title PLUMBING DEMOLITION PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC <small>312 Park St. West Hartford, CT 06119 www.opaarch.com 860.232.6664</small>
	mark	date	date 9/14/2018
			scale AS NOTED
			project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES
			HATFORD, CT
			project no. BI-2B-400
			drawing no. P1.01

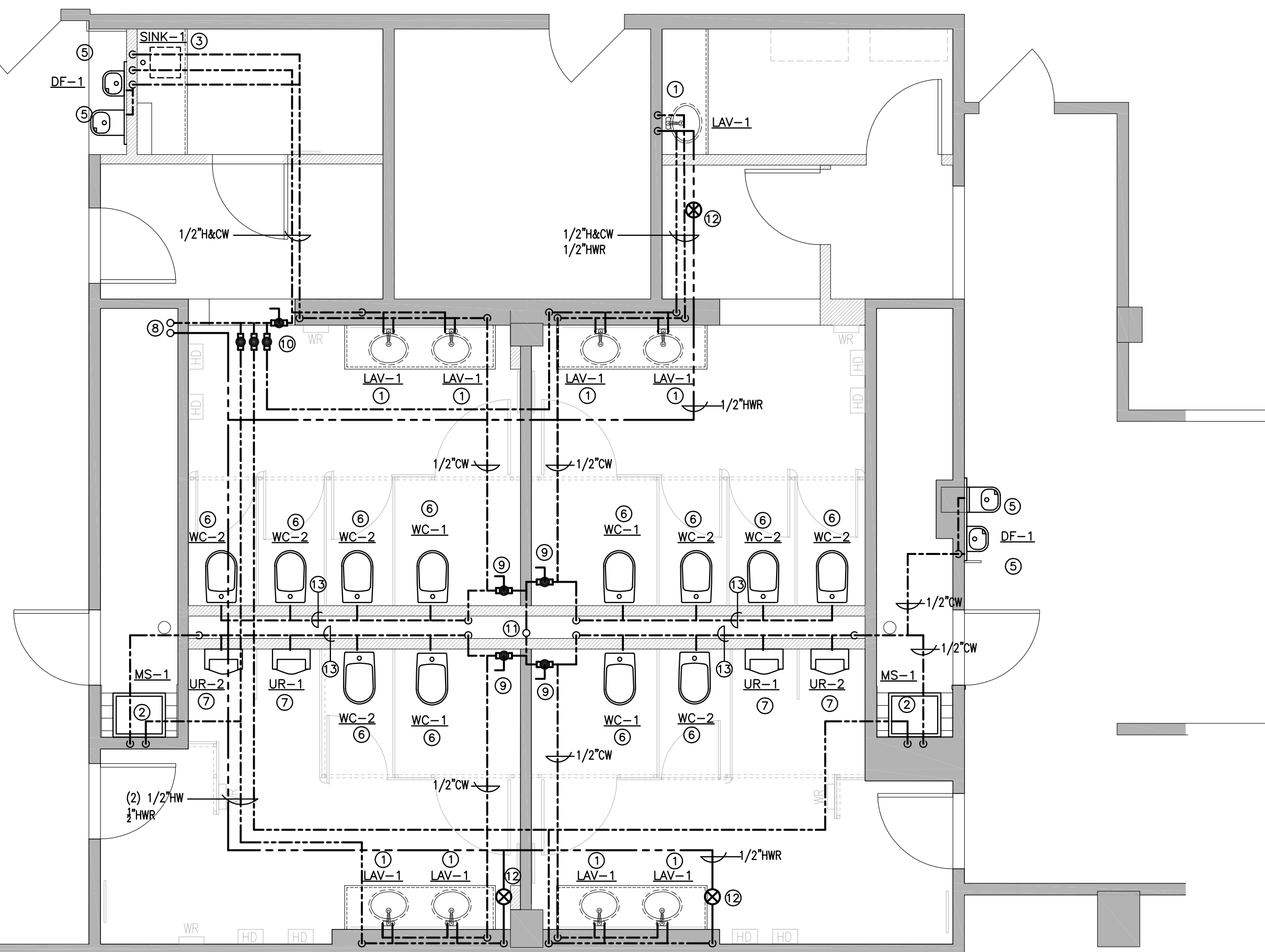


PLUMBING WATER PIPING PLAN KEY NOTES:

- ① NEW LAV. PROVIDE 3/4\"/>
- ② NEW MOP BASIN. 1/2\"/>
- ③ NEW SINK. PROVIDE 3/4\"/>
- ④ NEW WATER HEATER ON 4TH FLOOR WITH RECIRC PUMP, WITH AQUASTAT CONTROL.
- ⑤ NEW DUAL HEIGHT WATER COOLER/DRINKING FOUNTAIN. PROVIDE 3/4\"/>
- ⑥ NEW WATER CLOSET. PROVIDE 1\"/>
- ⑦ NEW URINAL. PROVIDE 3/4\"/>
- ⑧ NEW 1\"/>
- ⑨ 2\"/>
- ⑩ (4) 3/4\"/>
- ⑪ EXISTING CW RISER TO BE REUSED.
- ⑫ BALANCE VALVE WITH ACCESS PANEL.
- ⑬ 2\"/>

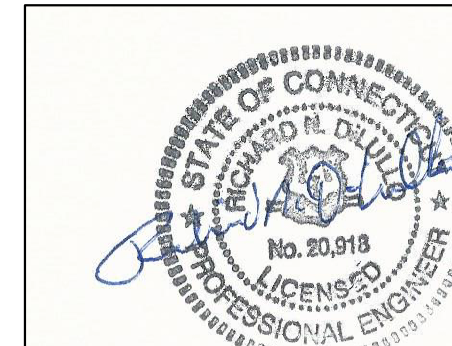
**TYPICAL SECOND, THIRD AND FOURTH FLOOR
PLUMBING WATER PIPING PLAN**

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

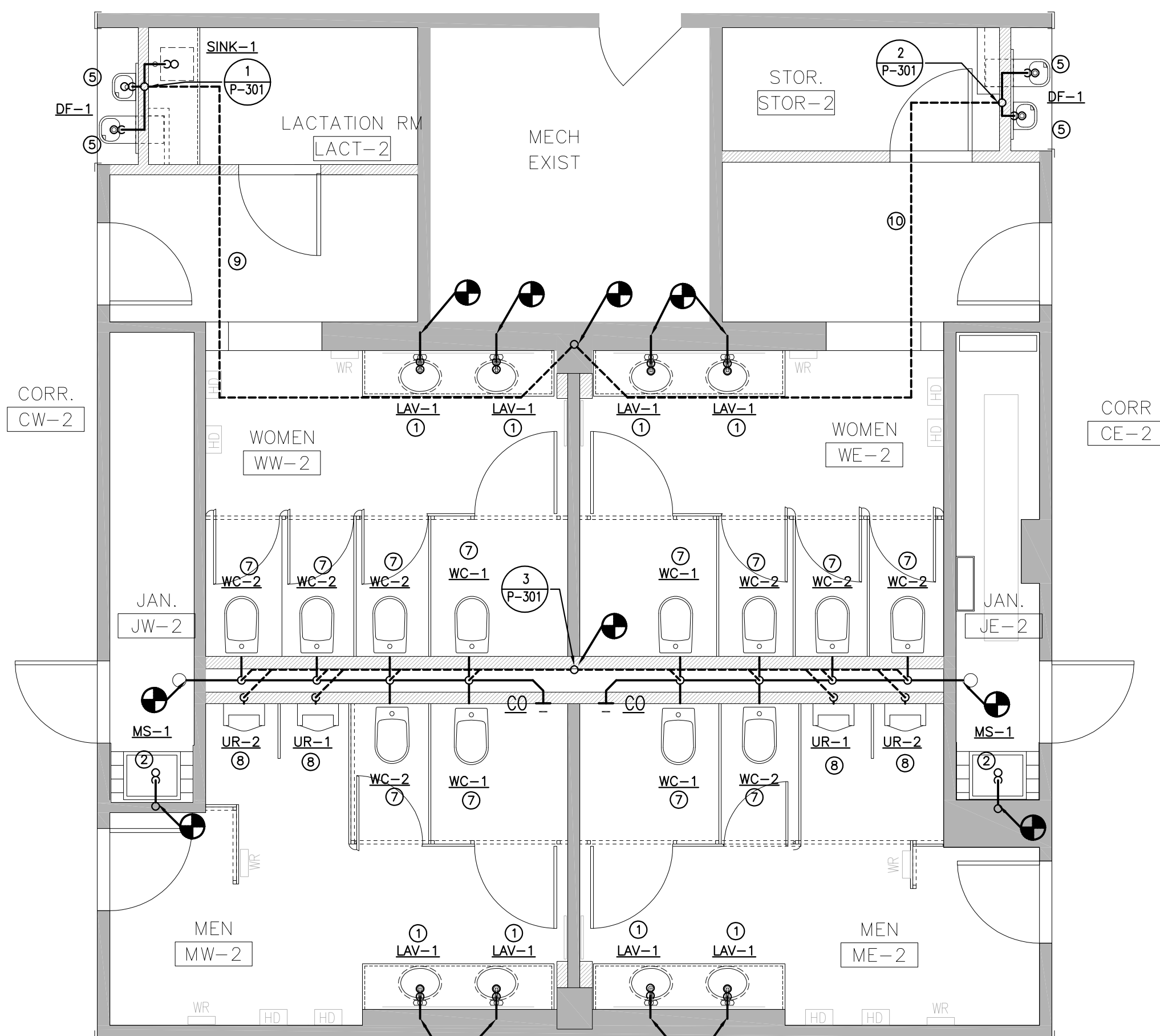


FIRST FLOOR PLUMBING WATER PIPING PLAN

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



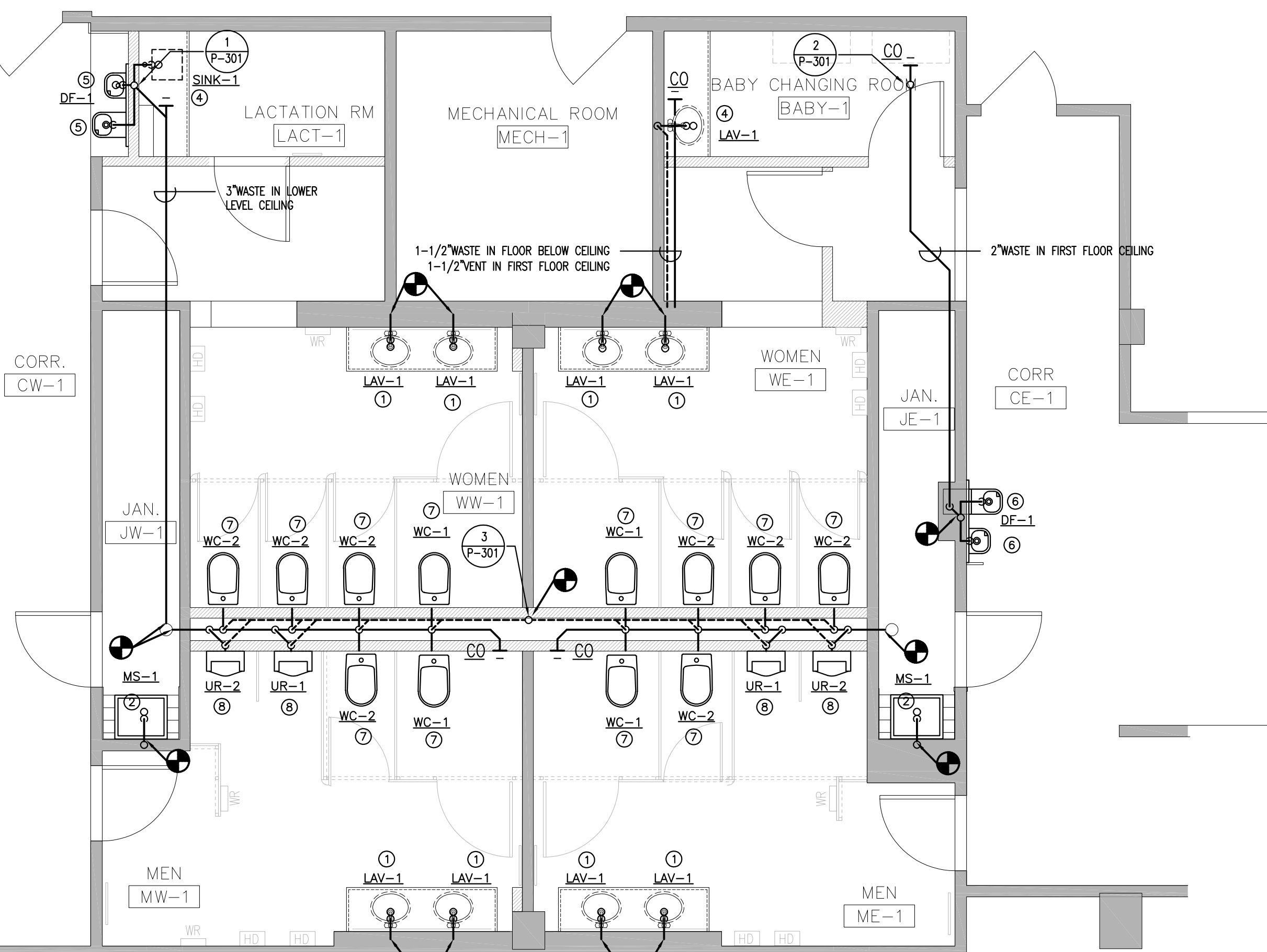
drawing title PLUMBING WATER PIPING PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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	mark	date	description
project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES			date 9/14/2018 scale AS NOTED
HATFORD, CT			drawn by RND approved by RND drawing no.
CAD no.	project no. BI-2B-400	P2.01	



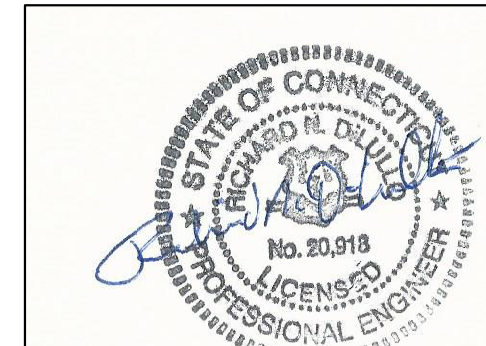
**TYPICAL SECOND, THIRD AND FOURTH FLOOR
PLUMBING DRAIN AND VENT PLAN**
SCALE: 1/4"=1'-0"

PLUMBING DWV PLAN KEY NOTES:

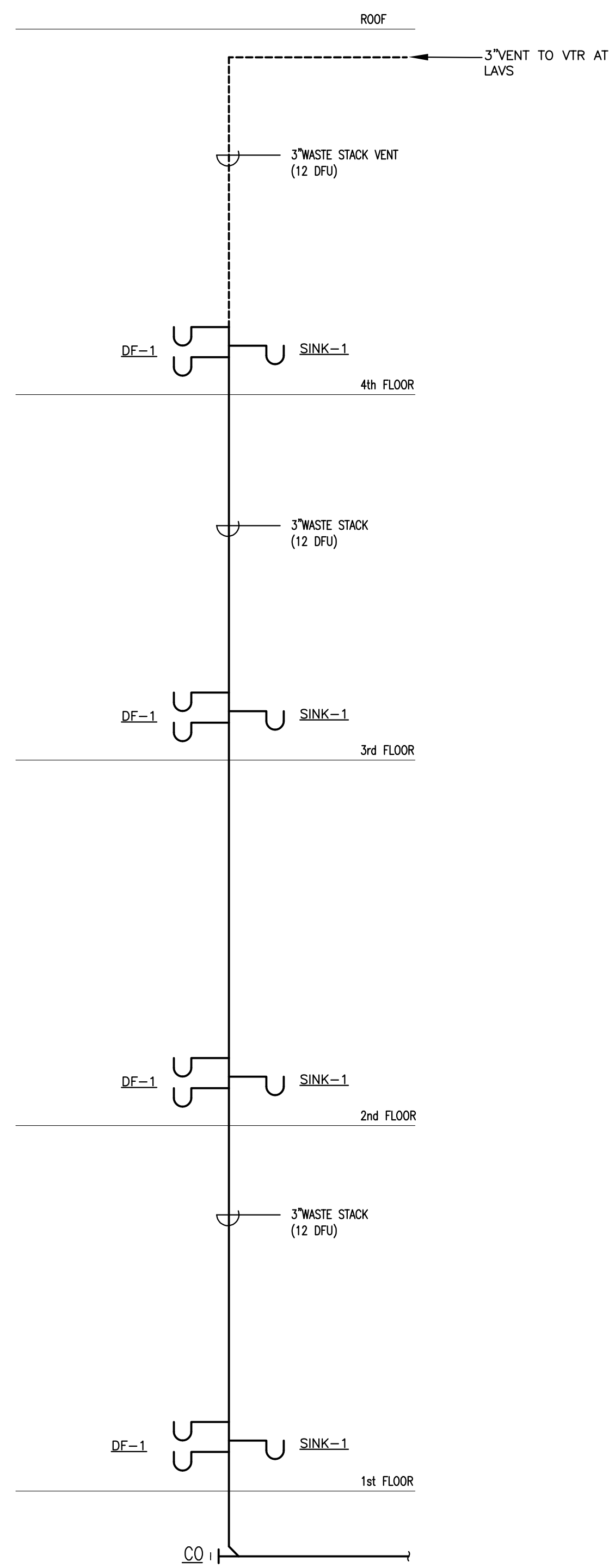
- ① NEW LAV. PROVIDE P-TRAP AND CONNECT TO EXISTING DRAIN FROM REMOVED LAV. PROVIDE 1-1/2" VENT AND CONNECT TO EXISTING IN WALL.
- ② NEW MOP BASIN. PROVIDE NEW 3" P-TRAP AND CONNECT TO EXISTING DRAIN FROM REMOVED MOP SINK. PROVIDE 1-1/2" VENT AND CONNECT TO EXISTING FROM REMOVED MOP SINK.
- ③ NEW LAV. PROVIDE P-TRAP. PROVIDE 1-1/2" WASTE AND VENT AND CONNECT TO EXISTING IN WALL.
- ④ NEW LAV. PROVIDE P-TRAP. PROVIDE 1-1/2" WASTE, CONNECT TO WASTE STACK ON LOWER LEVEL. PROVIDE 1-1/2" VENT AND CONNECT TO EXISTING VENT STACK IN RESTROOM.
- ⑤ NEW DUAL HEIGHT WATER COOLER/DRINKING FOUNTAIN. PROVIDE TRAP AT EACH BASIN AND CONNECT TO WASTE STACK.
- ⑥ NEW DUAL HEIGHT WATER COOLER/DRINKING FOUNTAIN. PROVIDE TRAP AT EACH BASIN AND CONNECT TO EXISTING WASTE STACK.
- ⑦ PROVIDE WATER CLOSET AND CARRIER. PROVIDE NEW SANITARY DRAIN AND VENT PIPING IN WALL. CONNECT TO EXISTING SANITARY AND VENT STACKS.
- ⑧ PROVIDE URINAL AND CARRIER. PROVIDE NEW SANITARY DRAIN AND VENT PIPING IN WALL. CONNECT TO EXISTING SANITARY STACK.
- ⑨ 4TH FLOOR ONLY, 3" VENT TO EXISTING VENT THRU ROOF AT LAVS
- ⑩ 4TH FLOOR ONLY, 2" VENT TO EXISTING VENT THRU ROOF AT LAVS



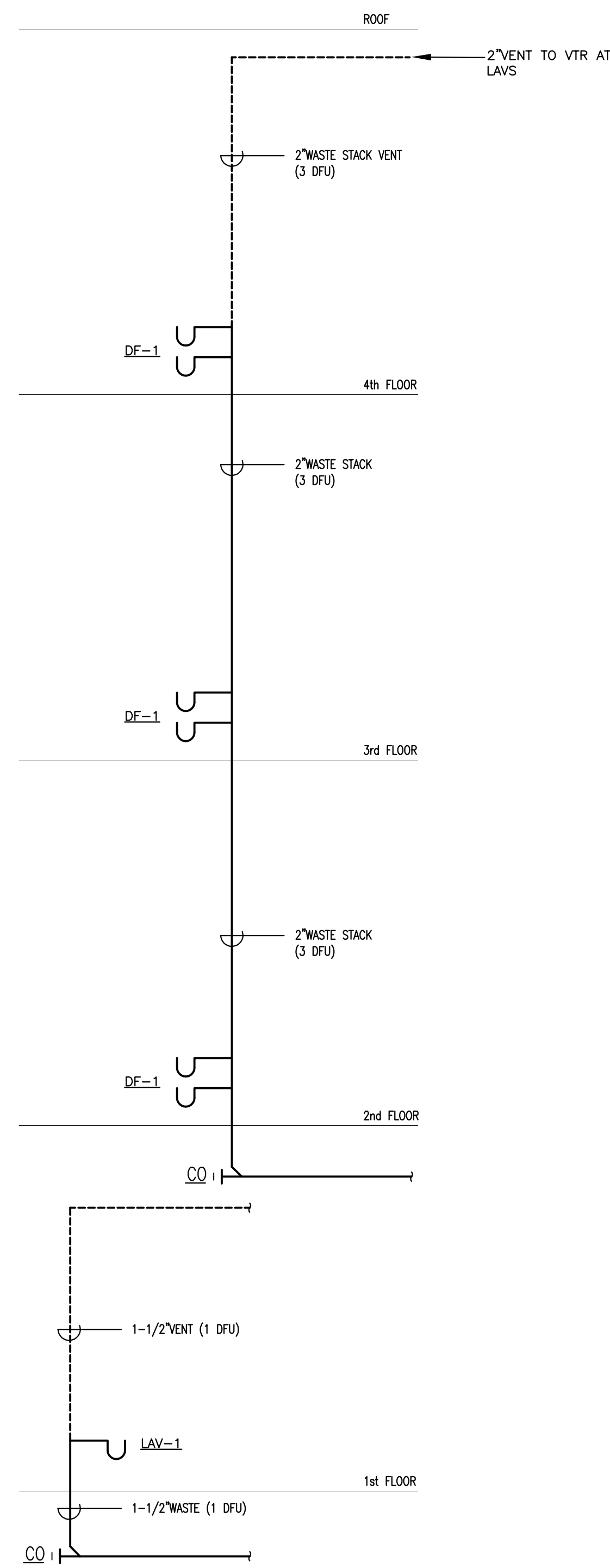
FIRST FLOOR PLUMBING DRAIN AND VENT PLAN
SCALE: 1/4"=1'-0"



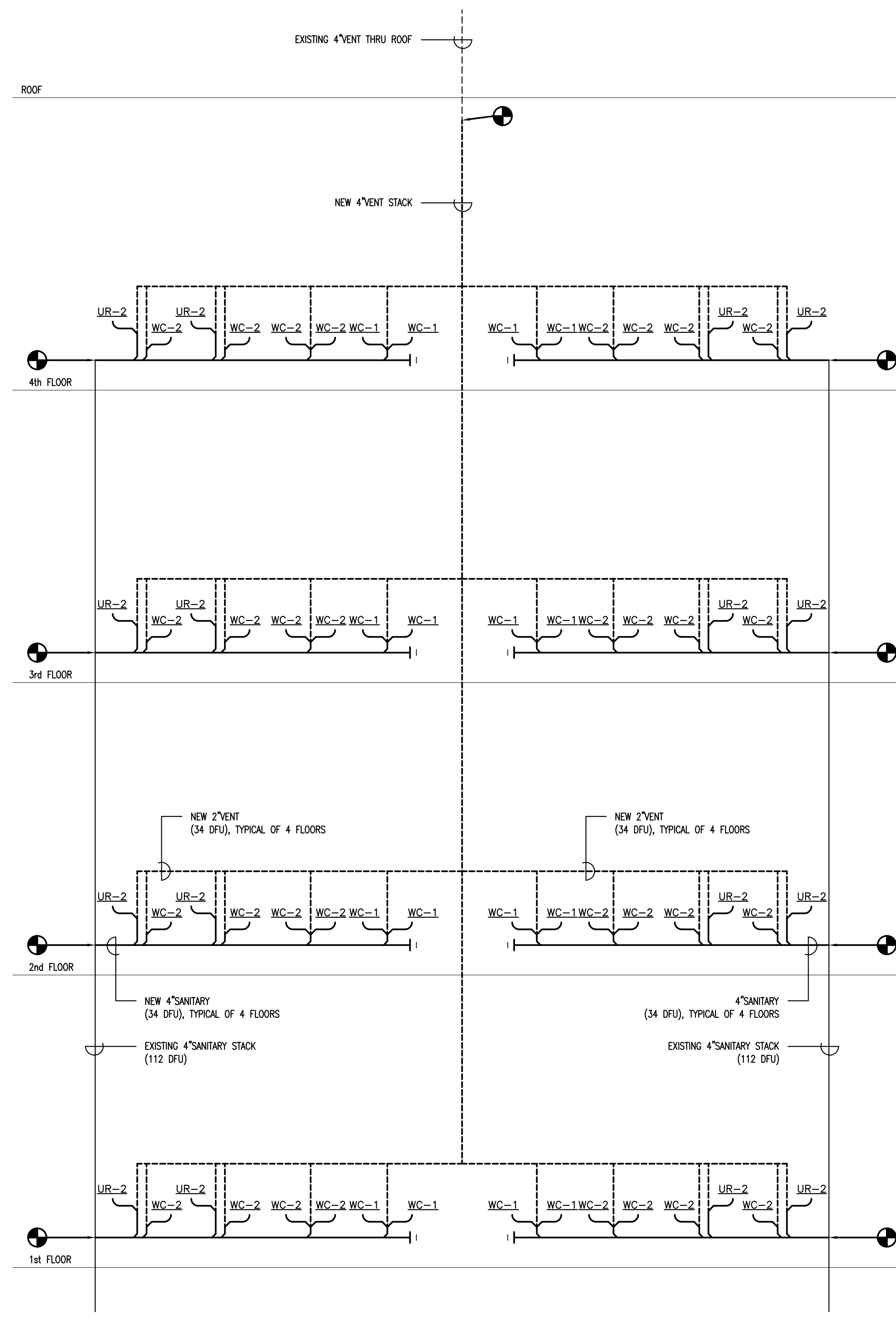
drawing title PLUMBING DRAIN, WASTE AND VENT PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES			date 9/14/2018
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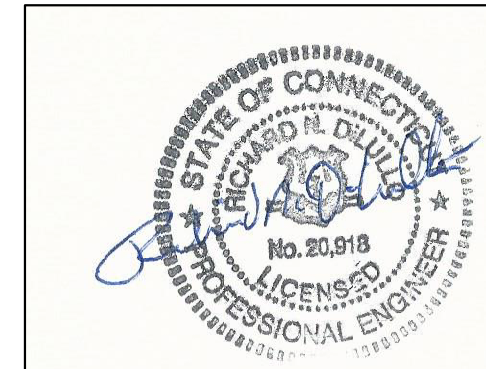
1 WEST WASTE STACK RISER DIAGRAM
NOT TO SCALE



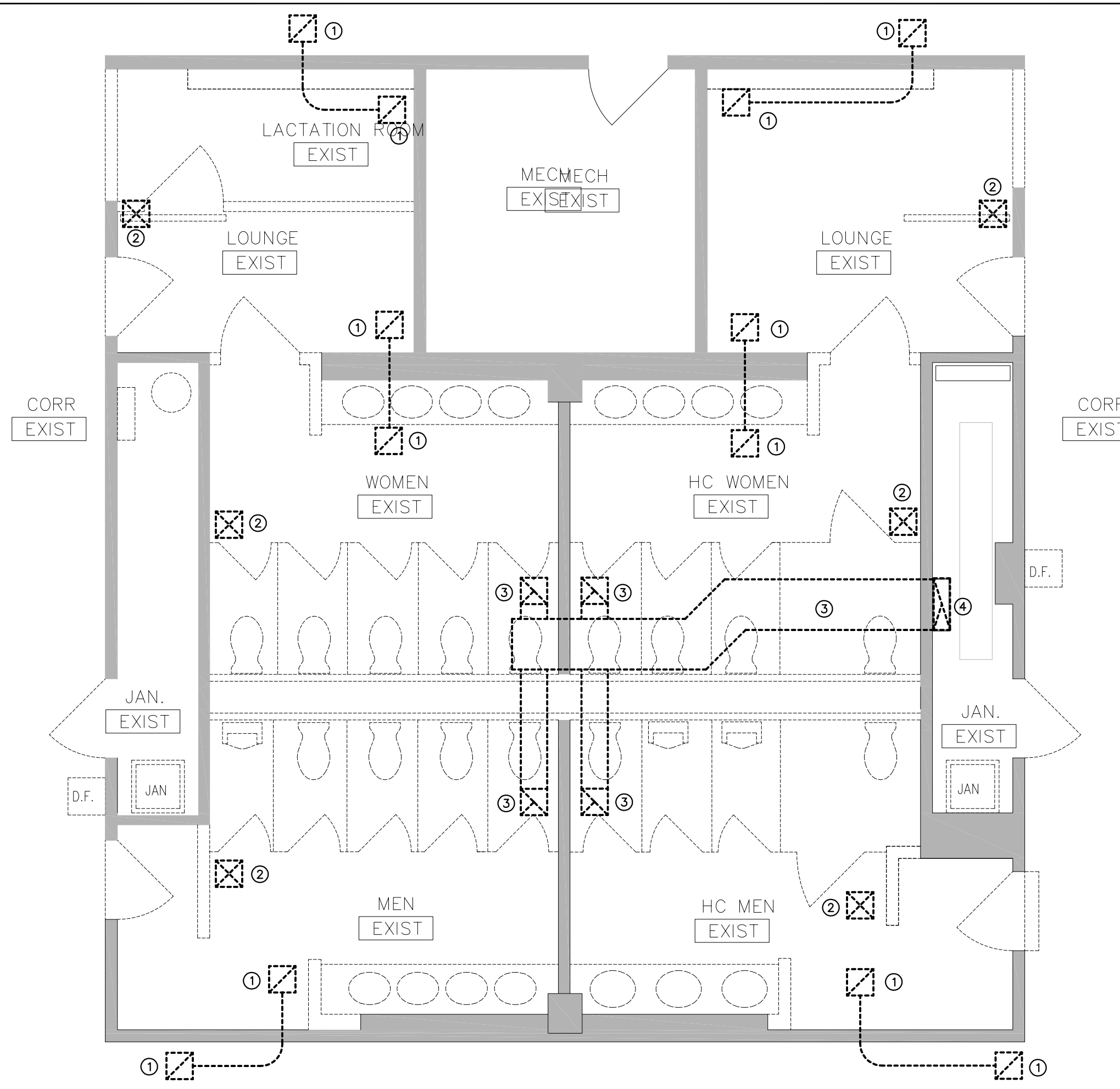
2 EAST WASTE STACK RISER DIAGRAM
NOT TO SCALE



3 BATHROOM DWV RISER DIAGRAM
NOT TO SCALE



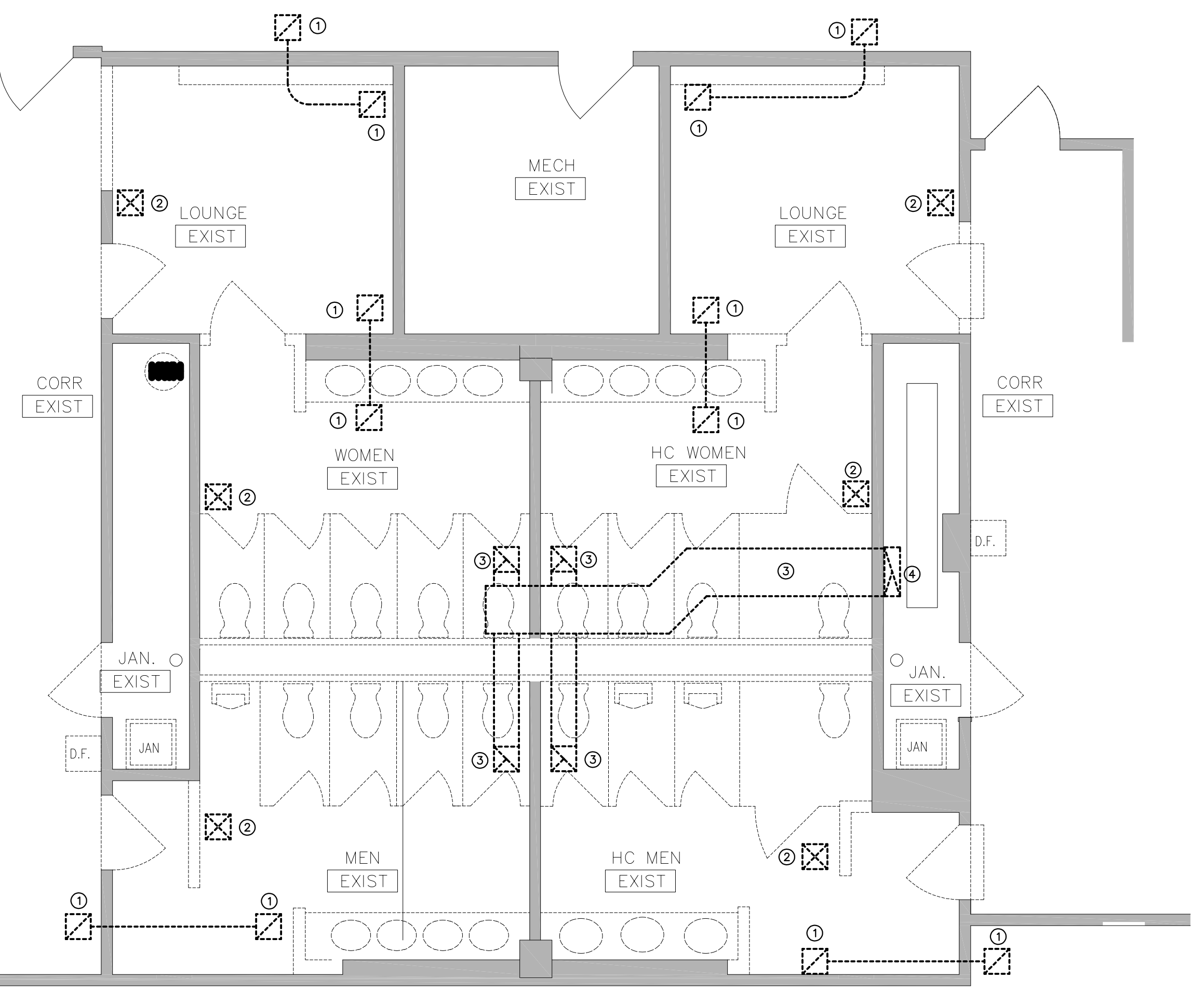
drawing title PLUMBING RISER DIAGRAMS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC <small>312 Park St West Hartford CT 06119 www.opaarch.com 860.232.6664</small>
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project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES			date 9/14/2018
HATFORD, CT			scale AS NOTED
CAD no.	project no. BI-2B-400	drawn by RND	
		approved by RND	
		drawing no. P3.01	



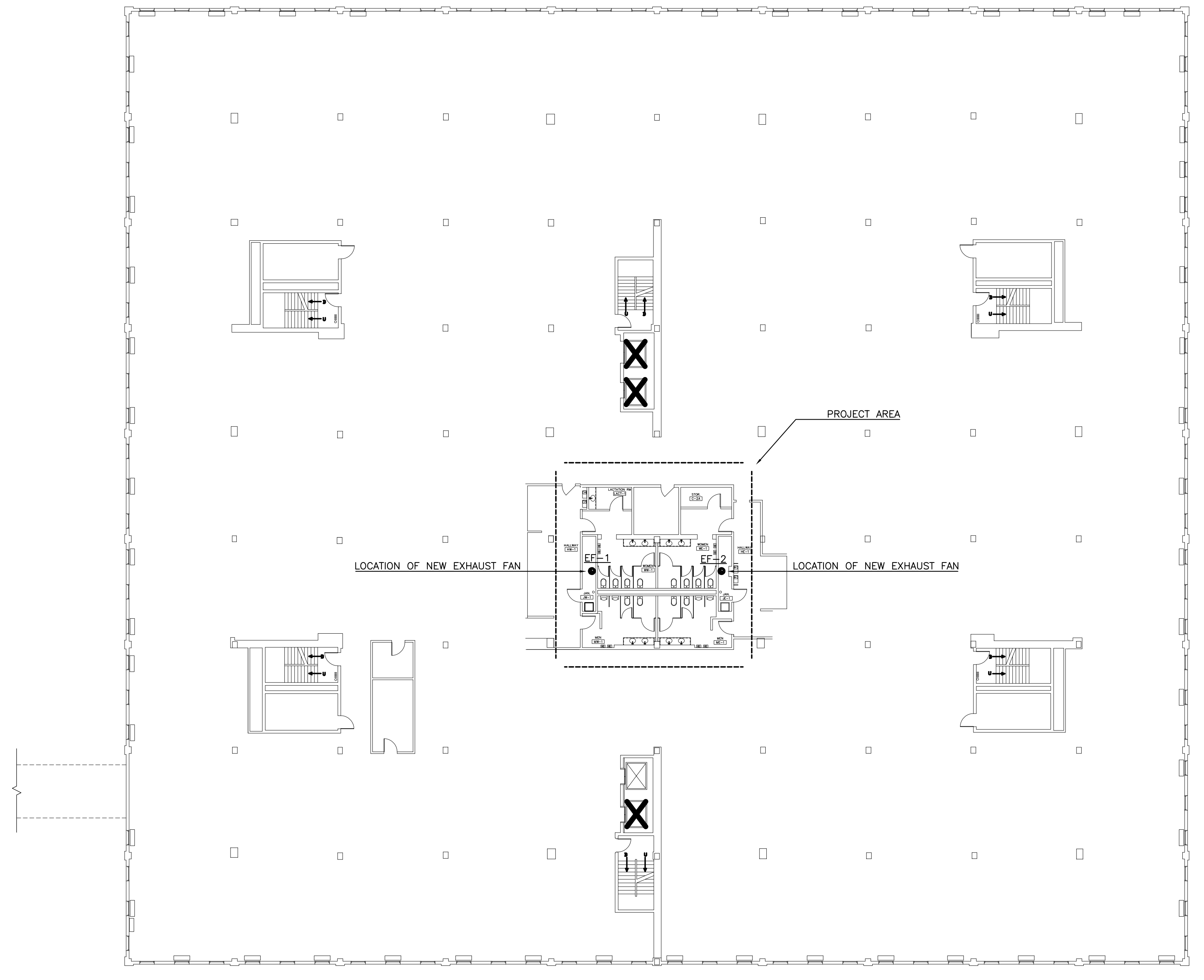
SECOND, THIRD AND FOURTH FLOOR MECHANICAL DEMOLITION PLAN
SCALE: 1/4"=1'-0"

MECHANICAL DEMOLITION PLAN KEY NOTES:

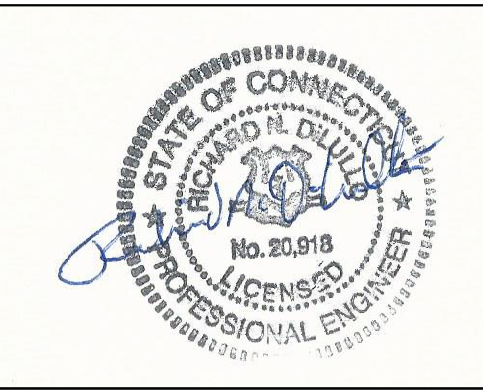
- ① REMOVE TRANSFER GRILLES AND TRANSFER DUCT.
- ② REMOVE SUPPLY AIR DIFFUSER, EXISTING SUPPLY DUCTWORK TO REMAIN FOR REUSE. CAP ALL UNUSED OPENINGS.
- ③ REMOVE EXHAUST GRILLE AND EXHAUST DUCTWORK COMPLETELY.
- ④ REMOVE EXHAUST RISER FROM FIRST FLOOR TO ROOF. REMOVE FIRE DAMPER AND ACCESS DOOR AT EACH FLOOR PENETRATION. REMOVE ROOF EXHAUST FAN.



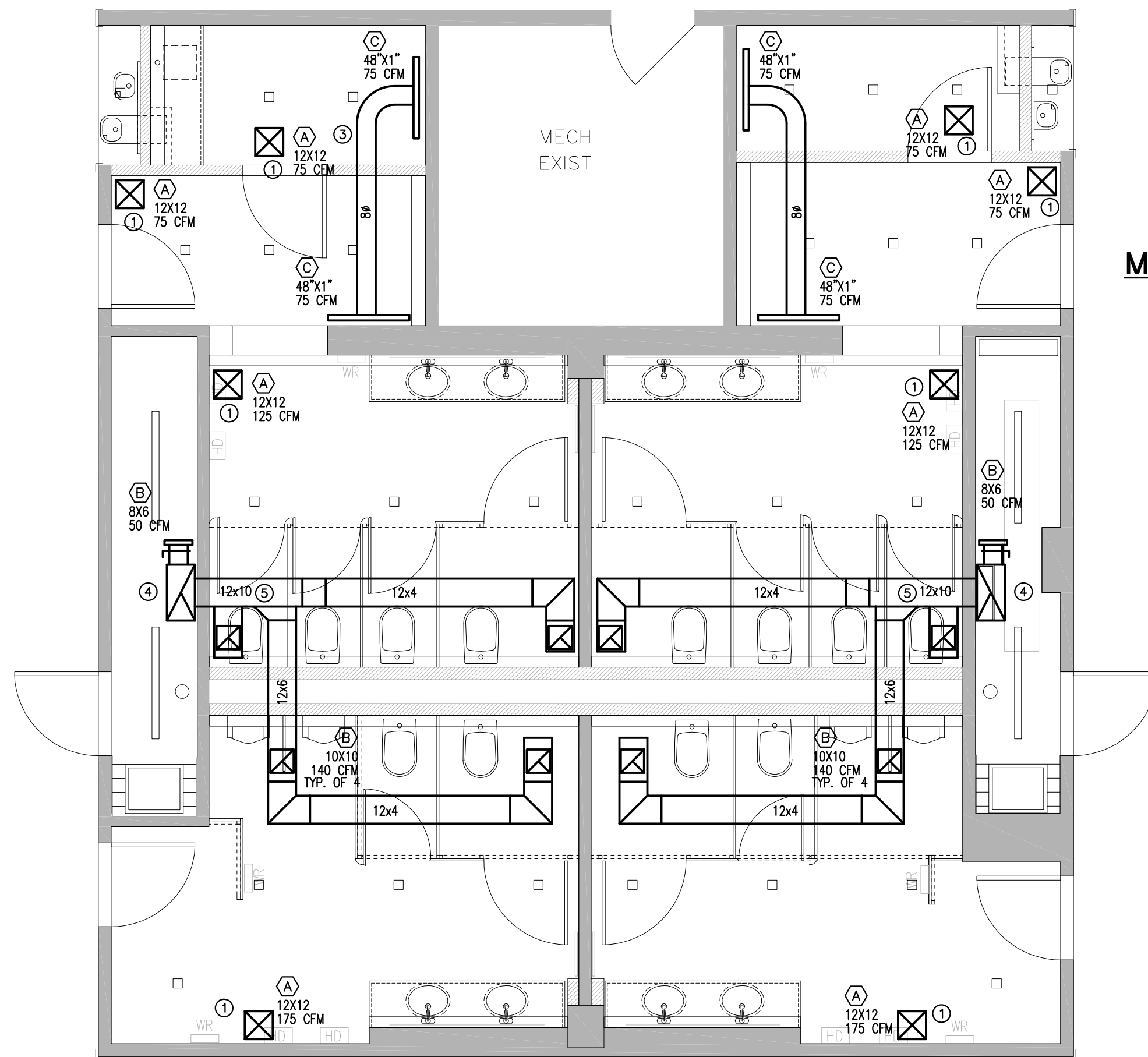
FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE: 1/4"=1'-0"



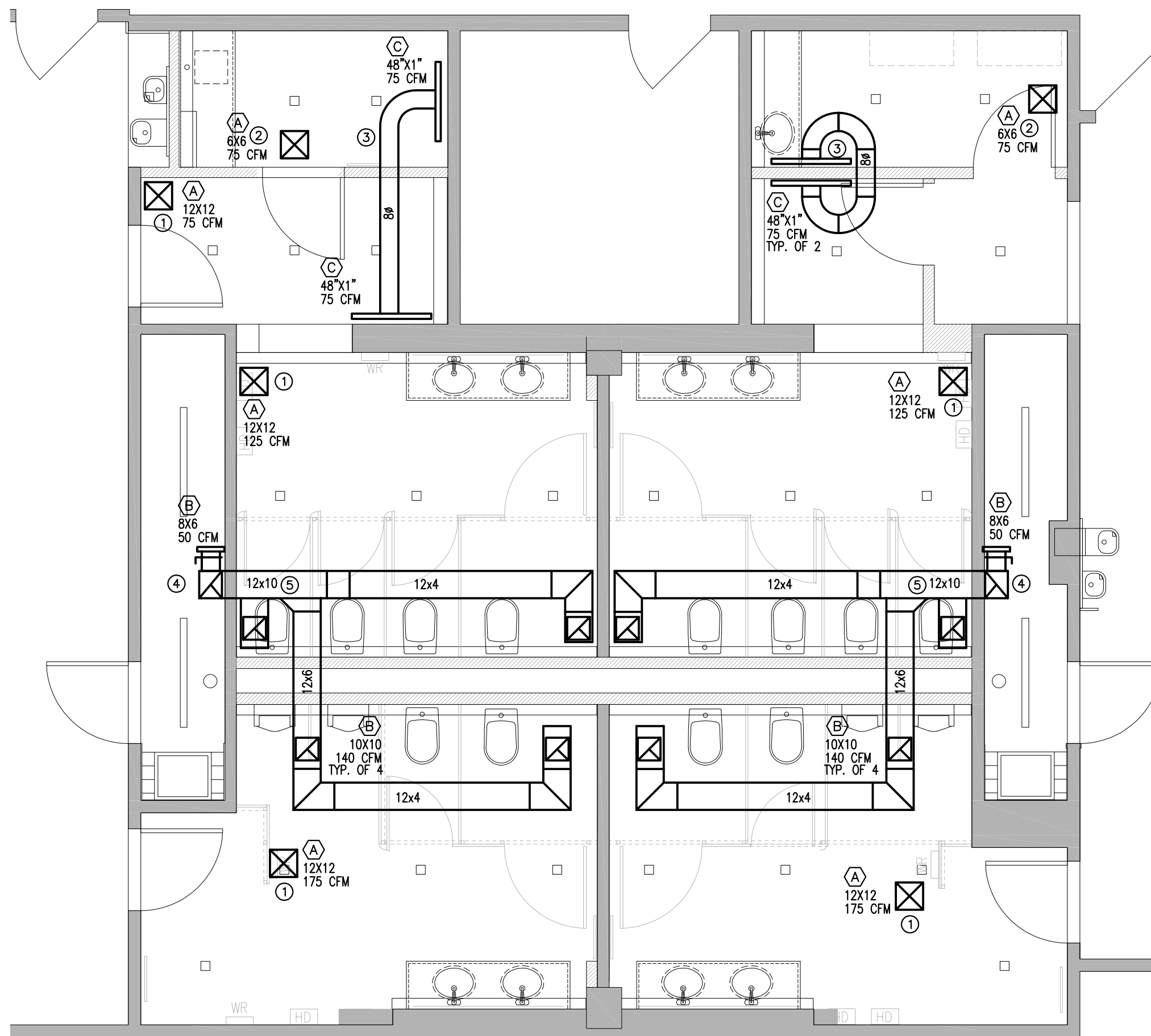
FLOOR PLAN
SCALE: 1/16"=1'-0"



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professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC <small>312 Park St West Hartford CT 06119 www.opaarch.com 860.232.8664</small>
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project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES		date 9/14/2018	drawn by RND
HATFORD, CT		scale AS NOTED	approved by RND
CAD no.	project no. BI-2B-400		drawing no. M1.01



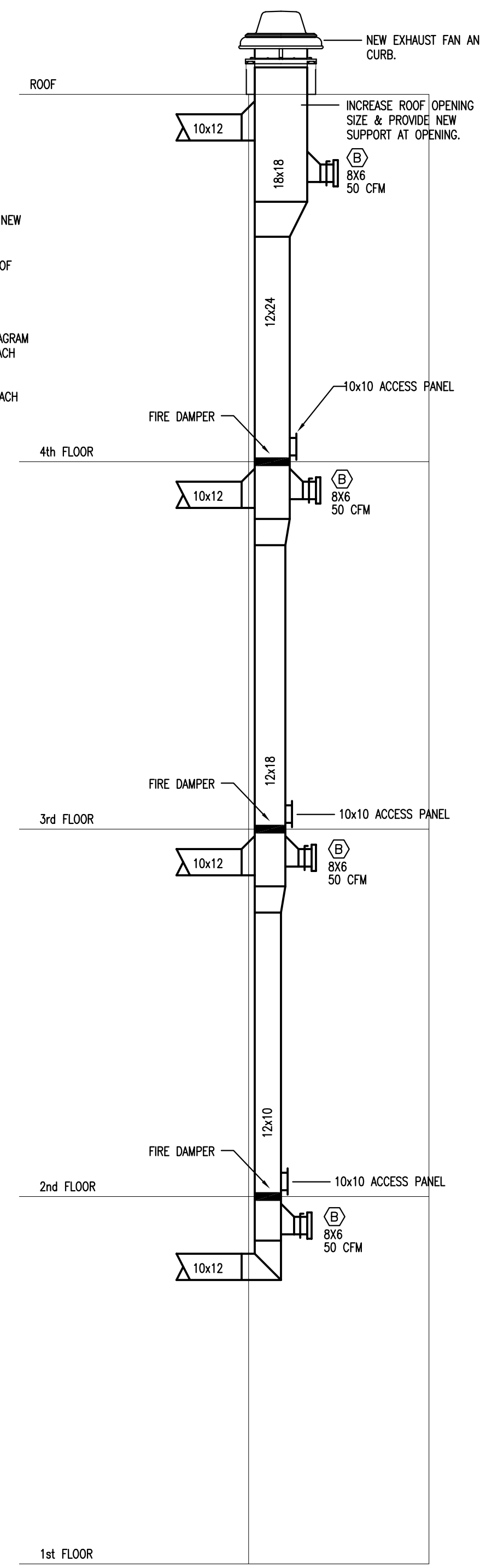
TYPICAL SECOND, THIRD AND FOURTH FLOOR MECHANICAL PLAN
SCALE: 1/4"=1'-0"



FIRST FLOOR MECHANICAL PLAN
SCALE: 1/4"=1'-0"

MECHANICAL PLAN KEY NOTES:

- ① NEW SUPPLY AIR DIFFUSER, CONNECT TO EXISTING DUCTWORK. EXTEND NEW 8" BRANCH DUCT FROM EXISTING DUCT TO NEW DIFFUSER.
- ② NEW SUPPLY AIR DIFFUSER. PROVIDE NEW 6" SUPPLY FROM LOCATION OF EXISTING DIFFUSER SUPPLY DUCT TO NEW DIFFUSER LOCATION.
- ③ NEW CEILING GRILLES AND TRANSFER DUCT.
- ④ NEW EXHAUST RISER FROM FIRST FLOOR TO ROOF. REFER TO RISER DIAGRAM FOR DUCT SIZES. PROVIDE NEW FIRE DAMPER AND ACCESS DOOR AT EACH FLOOR PENETRATION. PROVIDE NEW ROOF EXHAUST FAN.
- ⑤ NEW EXHAUST DUCTWORK AND GRILLES. PROVIDE VOLUME DAMPER AT EACH GRILLE.

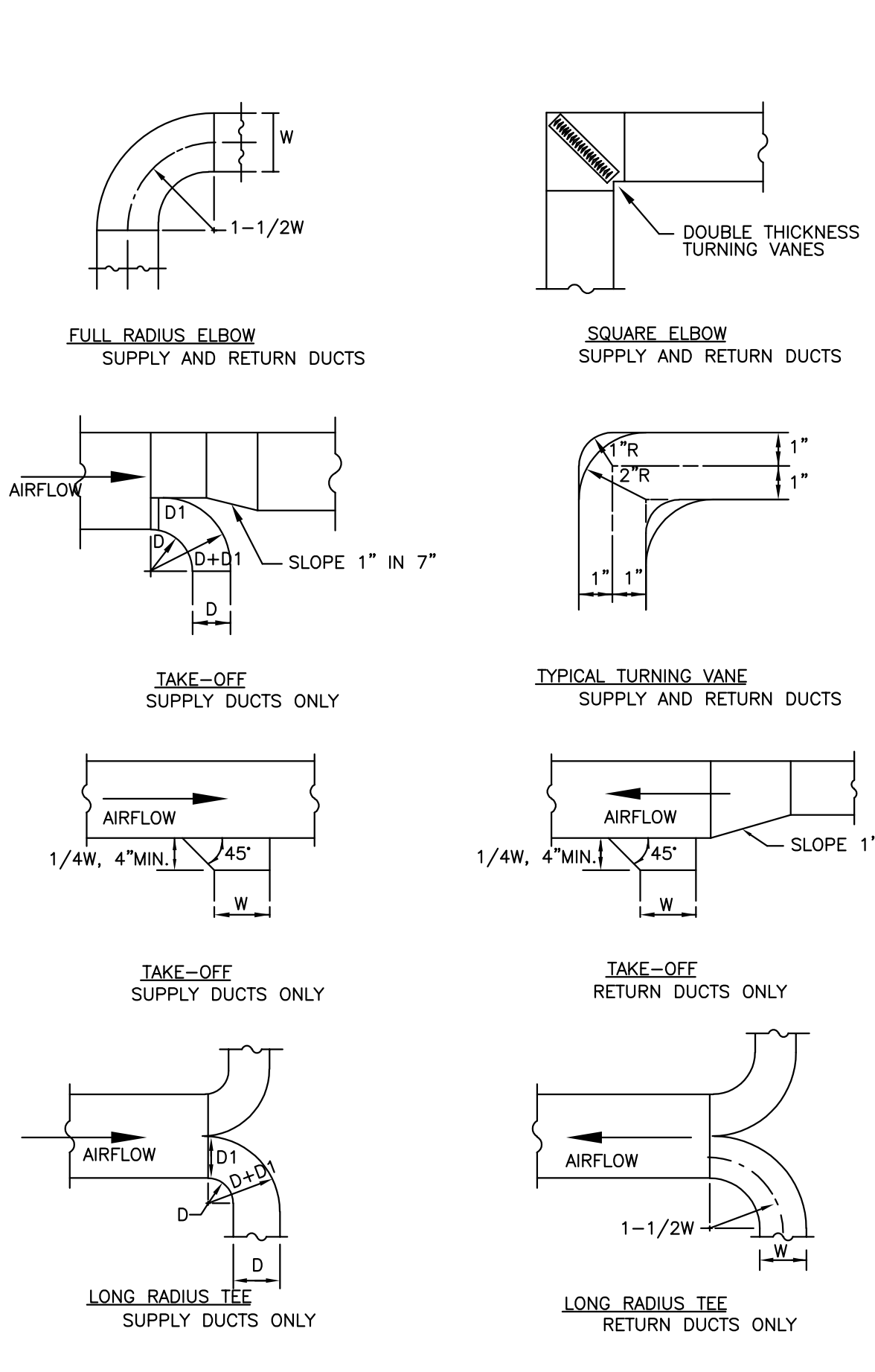


1 EXHAUST RISER DIAGRAM
NOT TO SCALE

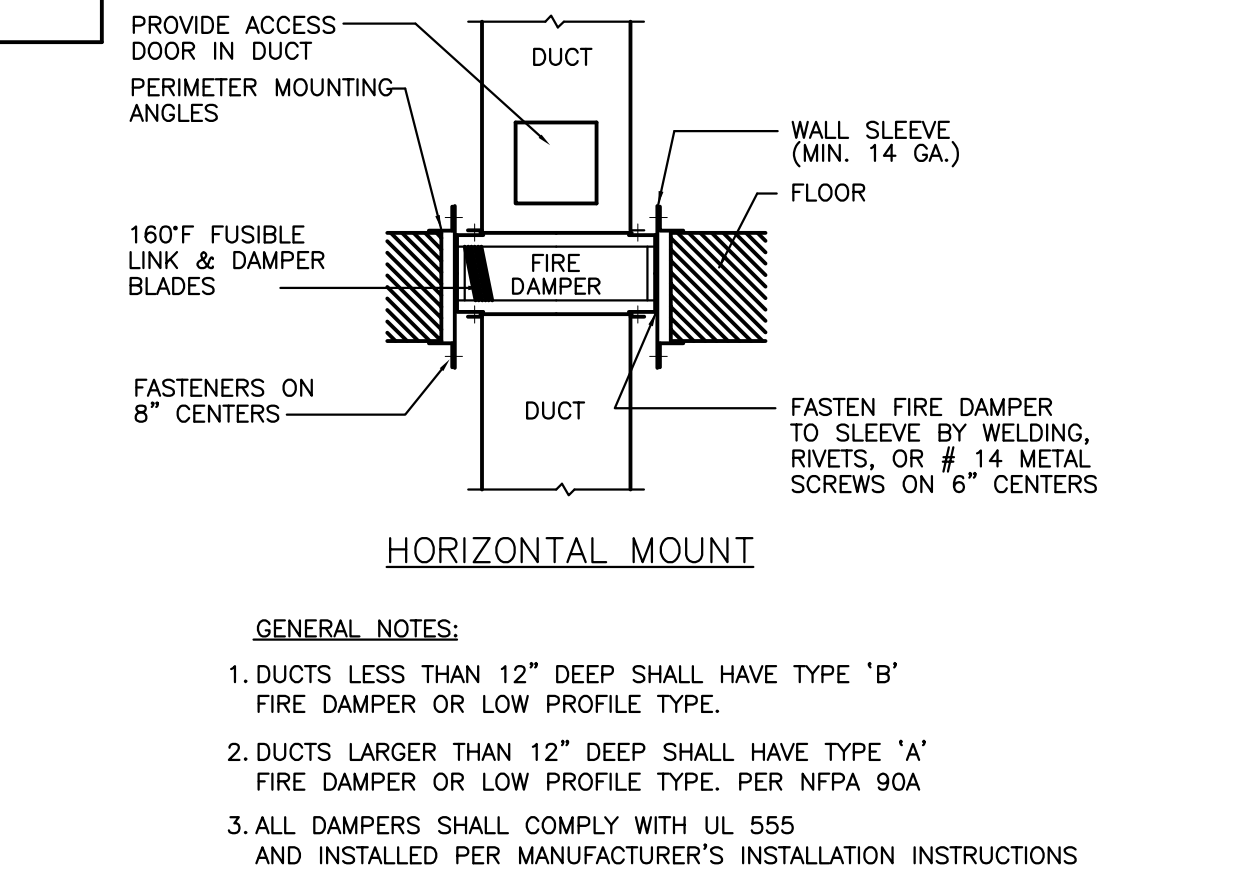
EXHAUST FAN SCHEDULE															
EQUIPMENT TAG	AREA SERVED	MANUFACTURER/MODEL	TYPE	DRIVE	CFM	WEIGHT, LB.	SP. (IN. WC)	SONE	ROOF OPENING (IN)	MOTOR				CONTROL	NOTES
										RPM	H.P.	PHASE	VOLT		
EF-1	RESTROOMS	COOK / ACE-B 150	ROOF	BELT	2,440	76	0.4	15.3	19.5 X 18.5	1314	1/2	1	120	TIME CLOCK	1,2,3,4,5
EF-2	RESTROOMS	COOK / ACE-B 150	ROOF	BELT	2,440	76	0.4	15.3	19.5 X 18.5	1314	1/2	1	120	TIME CLOCK	1,2,3,4,5

DIFFUSER AND REGISTER SCHEDULE					
TYPE	MODEL	MFR.	TYPE	CONSTRUCTION	ACCESSORIES/REMARKS
A	SMDA	PRICE	LOUVERED SUPPLY	STEEL	1,2,3
B	520D	PRICE	RETURN GRILLE	ALUMINUM	1,2,3
C	JS210	PRICE	RETURN SLOT	STEEL	4

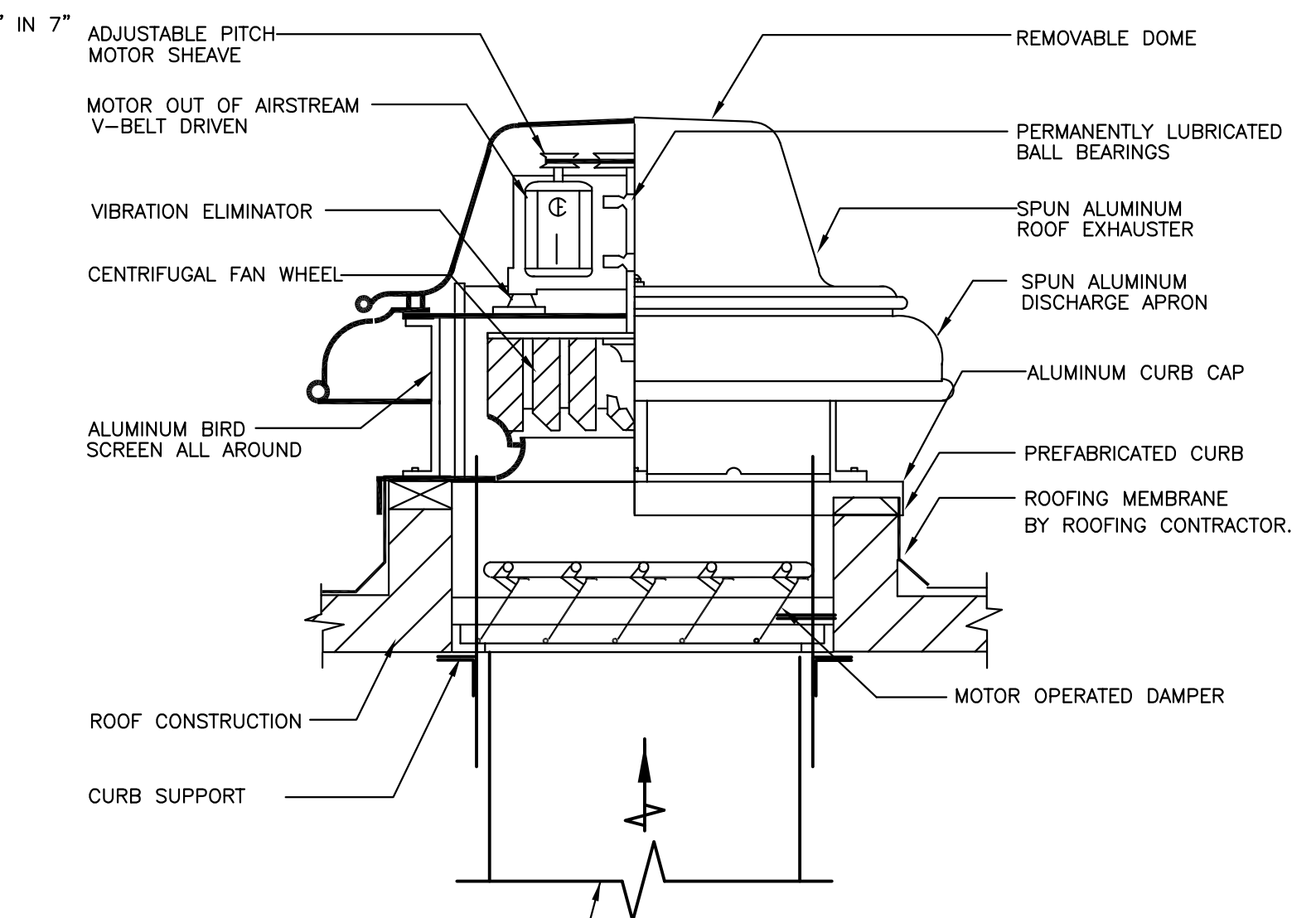
NOTES:
 1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT REGISTER, GRILLE AND DIFFUSER LOCATION.
 2. VERIFY CEILING TYPE WITH ARCHITECTURAL PLANS TO DETERMINE REQUIRED REGISTER, GRILLE AND DIFFUSER MOUNTING STYLE AND BORDER TYPE. GYP BOARD USED THROUGHOUT.
 ACCESSORIES:
 1. SQUARE TO ROUND TRANSITIONS WHERE REQUIRED.
 2. OPPOSED BLADE VOLUME DAMPERS.
 3. SURFACE MOUNT.
 4. CONCEALED FRAME FOR GYP CEILING INSTALLATION. PROVIDE WITH 48" TOP PLENUM.



2 TYPICAL DUCT DETAIL
NOT TO SCALE

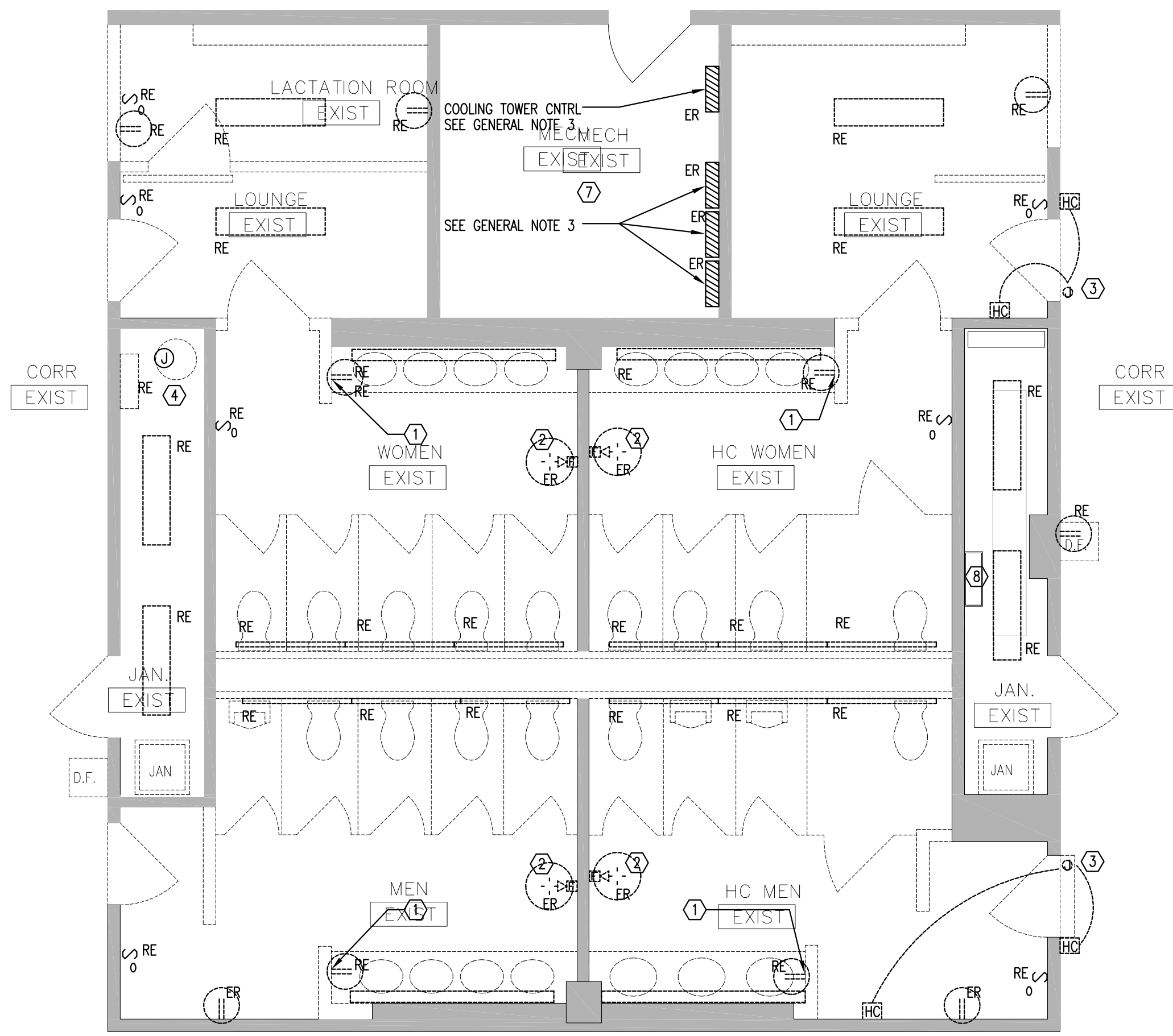


3 FIRE DAMPER INSTALLATION DETAIL
NOT TO SCALE



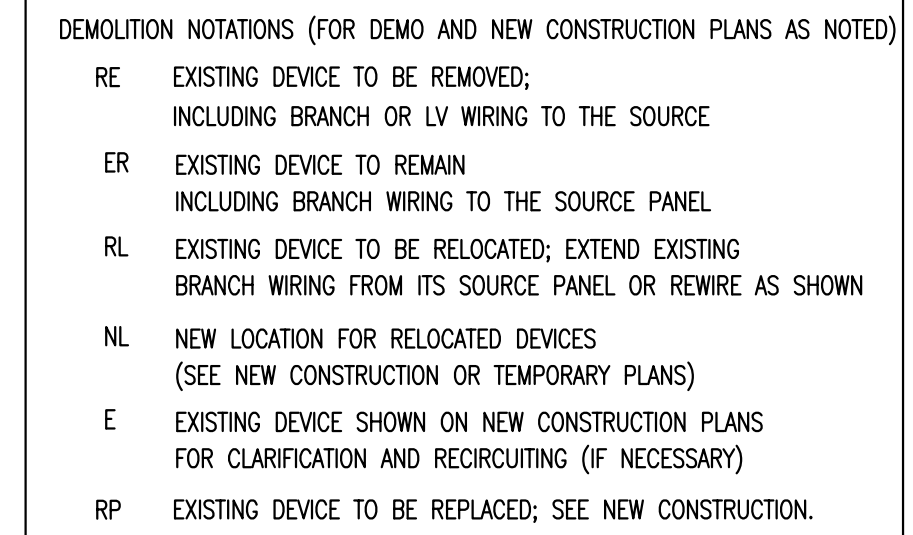
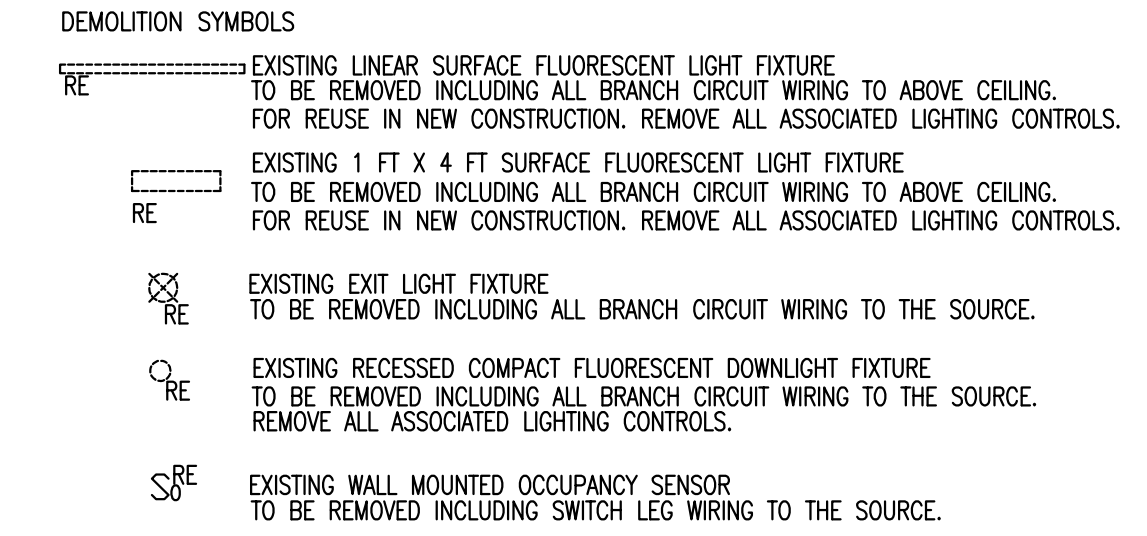
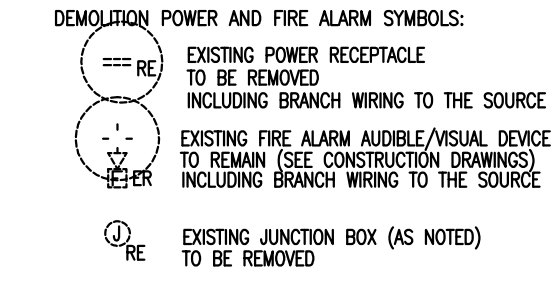
4 ROOF MOUNTED EXHAUST FAN DETAIL
NOT TO SCALE

drawing title MECHANICAL PLANS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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HATFORD, CT		scale AS NOTED	drawn by RND
CAD no.	project no. Bl-2B-400	approved by RND	drawing no. M2.01



SECOND, THIRD AND FOURTH FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/4"=1'-0"

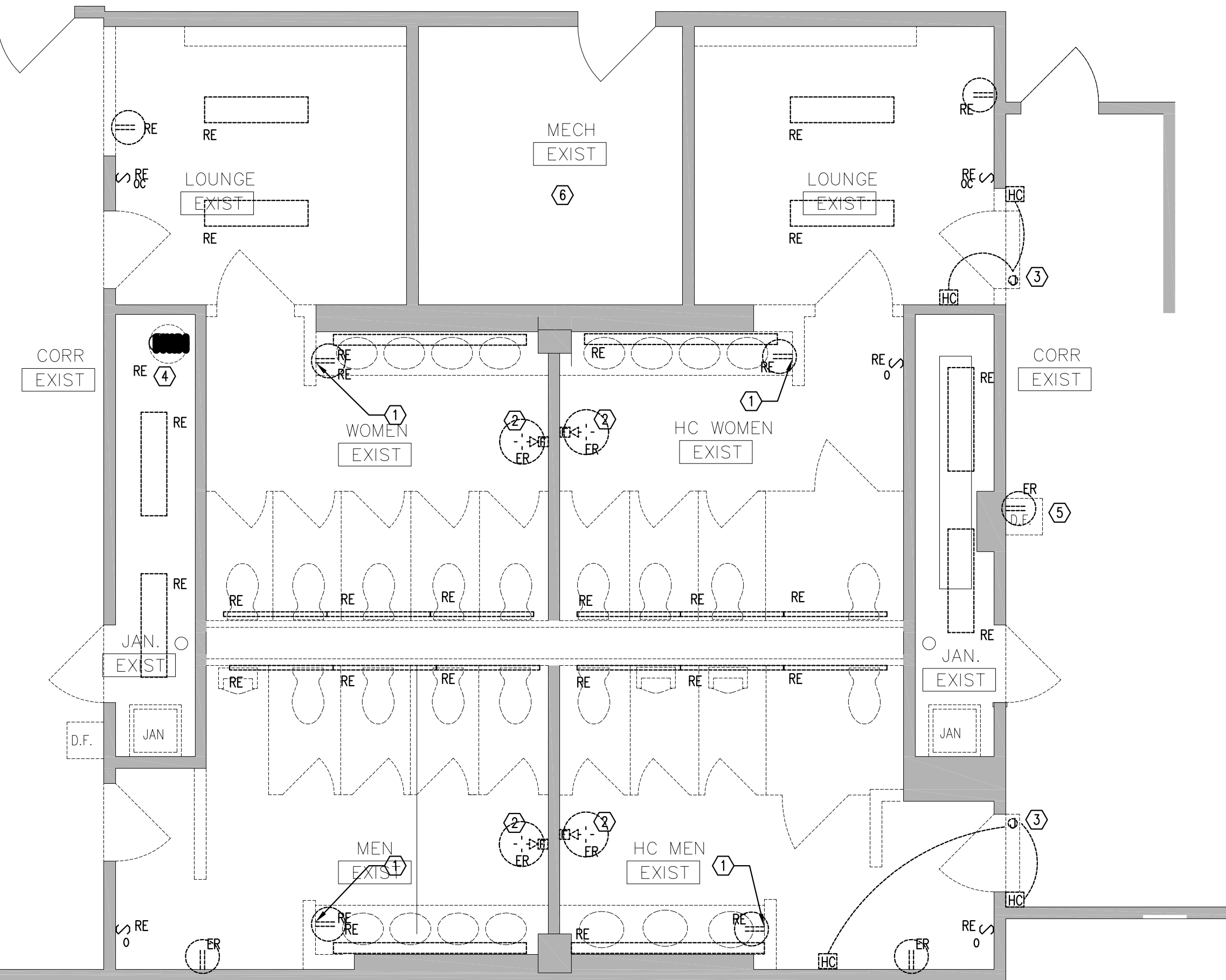
- DEMOLITION NOTES**
- REFER TO ARCHITECT'S PLANS FOR EXACT LIMITS OF THIS WORK SCOPE.
 - VISIT AND EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE EFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS. BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL EFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
 - CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE. CONTRACTOR SHALL COMPLY FULLY WITH APPLICABLE STATE STATUTES REGARDING MERCURY CONTAINING DEVICES AND LAMPS, LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES APPLICABLE AT TIME OF DISPOSAL. CONTRACTOR SHALL PROVIDE OWNER WITH WRITTEN CERTIFICATION OF APPROVED DISPOSAL.
 - ALL EXISTING ELECTRICAL IS NOT SHOWN. ELECTRICAL INFORMATION BASED ON FIELD VISITS AND VISUAL OBSERVATION AND IS SHOWN TO GENERALLY CONVEY THE SCOPE OF WORK.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING ELECTRICAL COMPONENTS AND UTILITIES AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT OF UTILITIES AND ELECTRICAL COMPONENTS OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE COMPLETION OF THIS WORK.
 - REMOVE ALL ELECTRICAL COMPLETE BACK TO SOURCE, INCLUDING BUT NOT LIMITED TO: POWER, LIGHTING, SYSTEMS, MATERIAL AND EQUIPMENT, CONDUIT, WIRE, CABLES, BOXES, DEVICES, FIXTURES, SUPPORTS, ETC. UNLESS SPECIFICALLY NOTED OTHERWISE, OR REQUIRED FOR CONTINUITY OF CIRCUITS TO EQUIPMENT AND DEVICES NOT IN AREAS OF DEMOLITION.
 - REINSTALL ANY SUCH POWER, LIGHTING, SYSTEMS, MATERIALS AND EQUIPMENT AS REQUIRED FOR CONTINUITY OF CIRCUITS TO EQUIPMENT AND DEVICES NOT IN AREAS OF DEMOLITION OR TO REMAIN.
 - ALL OPENINGS IN FIRE RATED WALLS AND FLOORS, ETC. MADE BY REMOVAL OF ELECTRICAL AND MECHANICAL SHALL BE SEALED AND FIRESTOPPED IN ACCORDANCE WITH UL FIRE DIRECTORY AND SPECIFICATIONS.



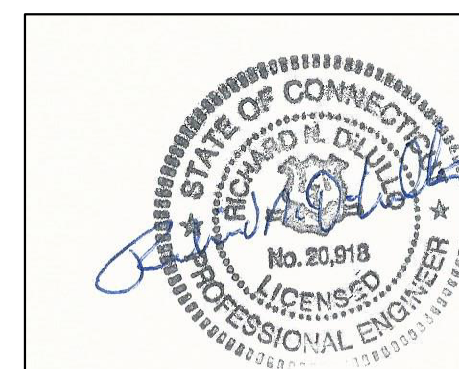
- GENERAL NOTES:**
- BRANCH WIRING SHOWN ON PLAN IS 2#12+1#12 GROUND EXCEPT AS NOTED. BRANCH CIRCUITS SHOWN ON PLAN ARE 20A-120V EXCEPT AS NOTED
 - REPLACEMENT OF ROOFTOP EXHAUST FAN WITH NEW SHALL BE INCLUDED IN THIS DEMOLITION (SEE MECHANICAL PLANS FOR LOCATION). RETAIN WIRING TO PANEL (480V, 3PH) IN FOURTH FLOOR ELECTRICAL ROOM.
 - EXISTING FOURTH FLOOR (ONLY) 277/480V PANELS (HVE, CPH, AND CPQ) AND CONTROL. SEE HEX NOTE (7) BELOW FOR FURTHER WORK IN PANELS.
 - COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT'S PLANS AND ELEVATIONS.

- HEX NOTES:**
- REMOVE ELECTRICAL POWER TO THIS RECEPTACLE CIRCUIT TO ABOVE CEILING FOR USE IN NEW CONSTRUCTION.
 - RETAIN AND STORE EXISTING FIRE ALARM DEVICES FOR REUSE IN NEW CONSTRUCTION. MARK CIRCUIT AND CLEAN EXISTING DEVICE BEFORE REINSTALLATION IN EXISTING LOCATION.
 - REMOVE ELECTRICAL POWER TO HANDICAP SWITCHES AND MOTOR CIRCUIT TO ABOVE CEILING FOR REUSE IN NEW CONSTRUCTION. TO CONNECT NEW DOOR OPENERS.
 - REMOVE ELECTRICAL POWER TO THIS WATER HEATER.
 - RETAIN POWER CIRCUIT AT THIS LOCATION FOR NEW WATER COOLER INSTALLATION.
 - ROOM CONTAINING ELECTRICAL PANELS USED IN CONSTRUCTION OF THIS JOB ON FIRST, SECOND AND THIRD FLOORS. VERIFY AVAILABLE SPACES, SPARES AND REUSABLE CIRCUITS (AS DESCRIBED) IN POWER AND LIGHTING PANELS DURING DEMOLITION PHASE.
 - ASCERTAIN BRANCH CIRCUIT WIRING AND LOCATION OF FEEDING CONDUIT FOR "EXISTING TO BE REPLACED" ROOF EXHAUST FAN. RETAIN CONDUIT ONLY FOR REUSE IN FEEDING OF NEW EXHAUST FAN. SEE CONSTRUCTION DRAWING FOR NEW CONTROL.
 - ROOF MOUNTED EXHAUST FAN TO BE REMOVED. REMOVE CIRCUIT BACK TO PANEL. LABEL BREAKER AS SPARE.

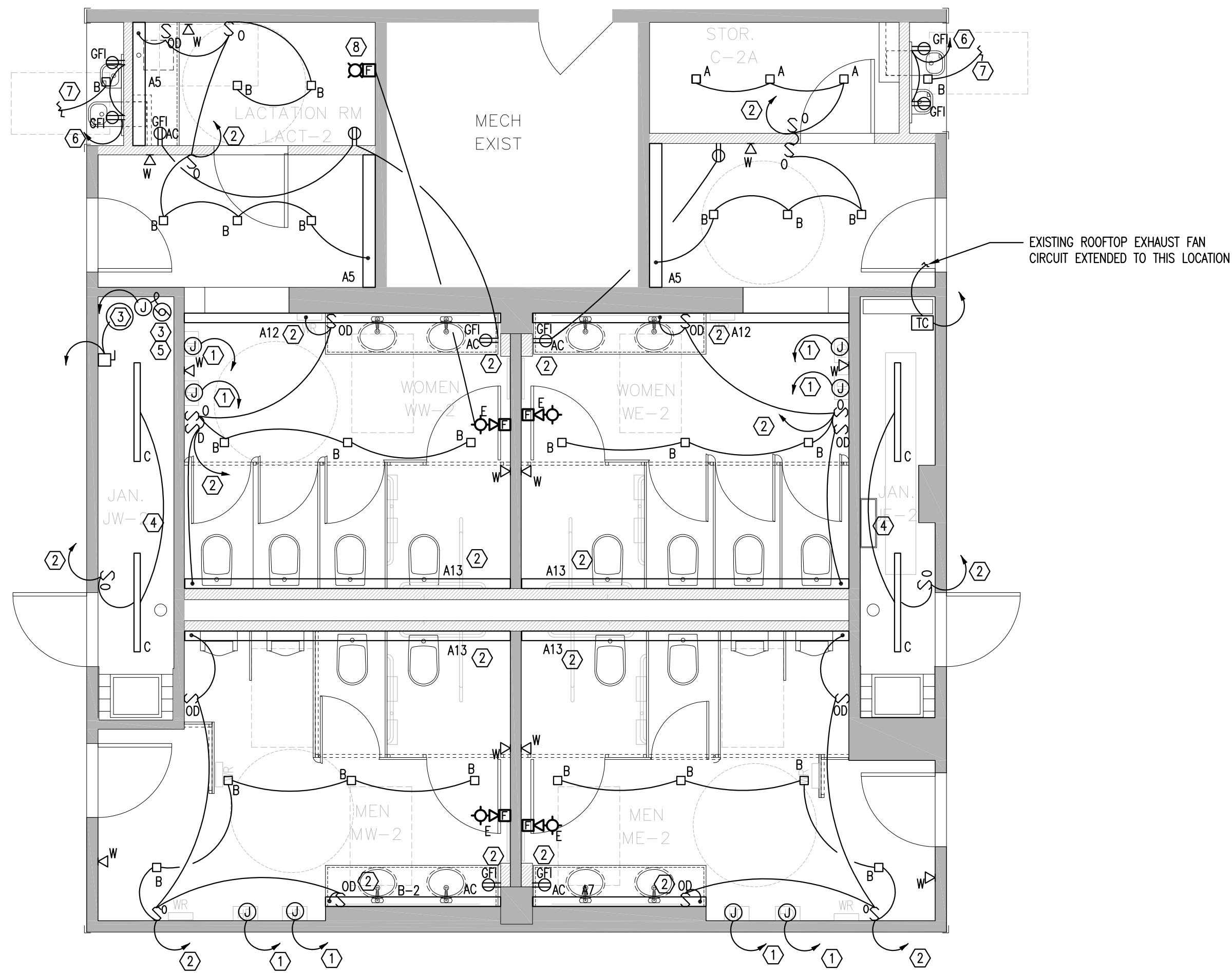
ELECTRICAL SYMBOLS		
SYMBOL	DESCRIPTION	MOUNTING
HC	HANDICAP DOOR PUSHBUTTON (SEE ARCHITECTURAL DRAWINGS)	PER ARCHITECT
CA	CALL FOR AID PULL STRING SWITCH (COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS) PLAN FOR WIRING WITHIN NEW STALL WALL. SEE DETAIL FOR CONNECTION TO LOCAL 120V CIRCUIT.	PER ARCHITECT
	CIRCUIT HOMERUN TO APPROPRIATE PANEL (OR CONNECTION TO EXISTING CIRCUIT AS NOTED)	
W	WALL BRACKET FIXTURE (USED IN CALL FOR AID)	PER ARCHITECT
So	OCCUPANCY SENSOR-SWITCHBOX MOUNTED-DUAL TECH MANUAL OVERRIDE CAPABILITY PHILIPS #LRS222000-WHITE	4'-0" A.F.F.
LX	LEX SURFACE OR RECESSED MOUNTED FIXTURE	SEE FIXTURE SCHEDULE
RL	CEILING SURFACE OR RECESSED FIXTURE	SEE FIXTURE SCHEDULE
EXIT	EXIT LIGHT FIXTURE SEE PLAN FOR ARROWS	SEE FIXTURE SCHEDULE
EL	SELF CONTAINED EMERGENCY LIGHTING FIXTURE WITH CHARGER AND BATTERY	SEE FIXTURE SCHEDULE
R	DUPLEX RECEPTACLE	PASS & SEYMOUR #26852-W 1'-6" A.F.F.
DR	DOUBLE DUPLEX RECEPTACLE	PASS & SEYMOUR #26852-W 1'-6" A.F.F.
RGF	RECEPTACLE WITH GROUND FAULT PROTECTION	PASS & SEYMOUR #2095-W SEE PLAN
J	JUNCTION BOX	
TC	TIME CLOCK	
DIS	DISCONNECT SWITCH	
AC	DESIGNATION FOR "ABOVE COUNTER" (VERIFY WITH ARCHITECTURAL PLANS IF NECESSARY)	
FAS	FIRE ALARM STROBE (ONLY) DEVICE TO MATCH EXISTING MANUFACTURER. MOUNT AT 80" AFF	



FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/4"=1'-0"



drawing title ELECTRICAL DEMOLITION PLANS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
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				approved by RND
				drawing no. E1.01
project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES			HATFORD, CT	project no. BI-2B-400



TYPICAL SECOND, THIRD AND FOURTH FLOOR ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- BRANCH WIRING SHOWN ON PLAN IS 2#12+1#12 GROUND EXCEPT AS NOTED. BRANCH CIRCUITS SHOWN ON PLAN ARE 20A-120V EXCEPT AS NOTED.
- EXISTING FIRE ALARM DEVICES (MARKED "E") ARE SHOWN IN NEW WORK AREAS. NEW DEVICES ARE MARKED "ND" RELOCATED DEVICES MARKED "NL".
- ALL CIRCUIT NUMBERS ARE FOR DESIGN PURPOSES ONLY. SPARE CIRCUIT BREAKERS SHALL BE FOUND DURING DEMOLITION AND MARKED FOR REUSE IN THE EXISTING 208/120 VOLT PANELS SHOWN ON THIS PLAN. SEE DEMOLITION NOTES ON SHEET ED-1. NUMBERS START WITH 1-84.
- ALL 120V, 20A CIRCUITS WITH HOMERUNS OVER 75 FT. SHALL BE #10 CU. THROUGHOUT ENTIRE CIRCUIT MINIMUM, UNLESS NOTED OTHERWISE.
- WHERE MULTIPLE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A RACEWAY THE ADJUSTMENT FACTORS IN THE NEC SHALL APPLY.
- COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT'S PLANS AND ELEVATIONS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RING AND STRING FOR ALL VOICE AND DATA. THE TENANT IS RESPONSIBLE FOR PROVIDING CABLE.
- ALL EXIT AND EGRESS LIGHTING SHALL BE CONNECTED AHEAD OF SWITCHING DEVICES IN ADJACENT AREAS. FIXTURES DESIGNATED AS EGRESS LIGHTS ARE TO ASSURE FOOTCANDLE LEVELS IN NEWLY CONSTRUCTED SPACES.

HEX NOTES:

- SEPARATE CIRCUIT (120V, 1 PH) FOR HAND DRYERS (MOUNTED AT 48" AFF), TO 120/208V PANEL ON THIS FLOOR. EC SHALL HAVE VERIFIED THESE PANELS DURING DEMOLITION.
- RECONNECT THESE LIGHTS OR RECEPTACLES TO EXISTING CIRCUIT RETAINED DURING DEMOLITION. SWITCHING SHALL BE NEW IN LIGHTING SCENARIOS.
- FOURTH FLOOR (WEST JANITOR'S CLOSET ONLY).
NEW WATER HEATER (12 KW, 480V, 3 PH - 3#12 AND #12 GND) TO 4TH FLOOR PANEL. NEMA 1 NFDS (30A)
NEW HOT WATER CIRCULATING PUMP (1/4 HP, 120V, 1 PH - 2#12 AND #12 GND) TO 1ST FLOOR PANEL.
- ROOF TOP EXHAUST FAN CONTROL LOCATION (SEE MECHANICAL DRAWINGS FOR LOCATION)
NEW EXHAUST FAN (ON ROOF - 0.5 HP (120V, 1 PH), PROVIDE NEW 120V, 20A CIRCUIT FROM EXISTING 120/208V POWER PANEL ON FOURTH FLOOR. PROVIDE 3/4" WITH 2#12 AND #12 GND.
PROVIDE NEW TIME CLOCK. IT SHALL BE 27/7/365 ASTRONOMICAL WITH TWO (2) SETS OF CONTACTS.
- PROVIDE NEW TIME CLOCK FOR PUMP CONTROL. IT SHALL BE 27/7/365 ASTRONOMICAL WITH TWO (2) SETS OF CONTACTS.
- NEW 1P/20A CIRCUIT FROM 120/208V POWER PANEL ON THIS FLOOR.
- CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUIT (ASSURE VOLTAGE) AND SWITCH WITH SAME.
- VERIFY FIRE ALARM SYSTEM DEVICE MANUFACTURER AND CONNECT TO EXISTING CIRCUIT AS SHOWN. ASSURE BATTERY CAPACITY OF EXISTING FACP AND/OR LOCAL BATTERY CABINET PROVIDES POWER APPROPRIATE TO NEW SYSTEM PARAMETERS.

GENERAL NOTES FOR CONSTRUCTION:

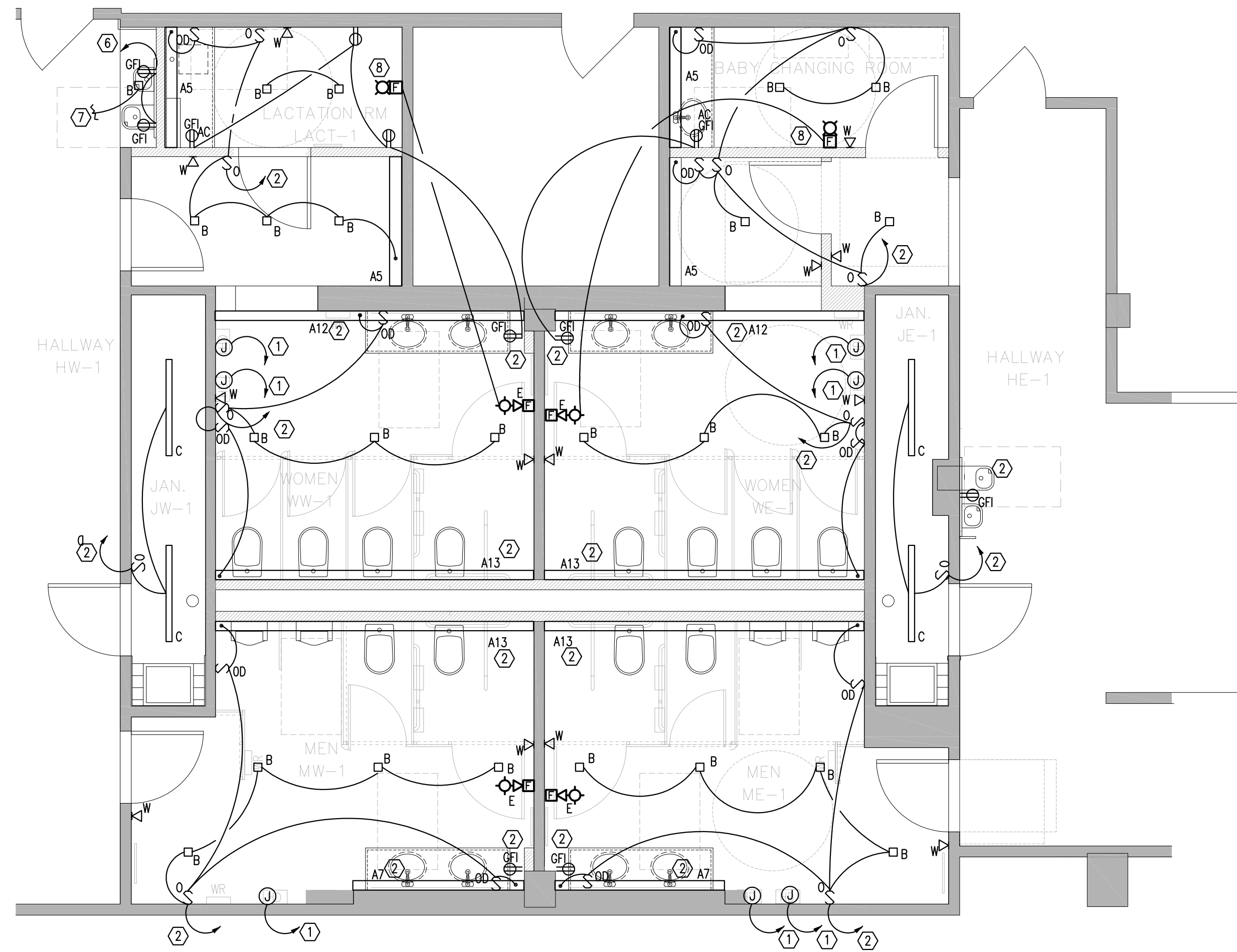
- ALL RECEPTACLES SHALL BE MARKED ON PLATE WITH CIRCUIT SERVED AND PANEL NAME (WHITE TAPE LABEL)
- ALL 120V, 20A CIRCUITS WITH HOMERUNS OVER 75 FT. SHALL BE #10 CU. THROUGHOUT ENTIRE CIRCUIT MINIMUM, UNLESS OTHERWISE NOTED.
- ALL SECURITY WORK SHALL BE CONSIDERED BY OTHERS UNLESS NOTED OTHERWISE ON THE DRAWING.
- ALL DATA/COMPUTER RECEPTACLE CIRCUITS SHALL BE PROVIDED WITH A DEDICATED/SEPARATE NEUTRAL FOR EACH PHASE CONDUCTOR.
- ALL 208V, 20A CIRCUITS WITH HOMERUNS OVER 150 FT. SHALL BE #10 CU. THROUGHOUT ENTIRE CIRCUIT MINIMUM, UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF FIXTURES.
- ALL ELECTRICAL COMPONENTS (I.E. COMMUNICATIONS CABLES, RACEWAYS, BOXES, ETC) SHALL BE SUPPORTED DIRECTLY TO SUPERSTRUCTURE IN STRICT COMPLIANCE WITH N.E.C.-ARTICLE 300-11 (LATEST ADDITION).
- COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN ALL MECH. ROOMS, SPACES, ETC., WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE BELOW DUCTWORK (8"-0" A.F.F. MINIMUM) CENTERED IN ROOM AS MUCH AS FEASIBLE.
- COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS AND APPROVED MILLWORK SHOP DRAWINGS.
- VERIFY EXACT LOCATION OF ALL MECH. EQUIP. INCLUDING WALL SWITCHES, T'STATS, ETC. WITH MECH. CONTRACTOR AND MECH. DRAWINGS.
- VISIT SITE PRIOR TO SUBMITTING BID.
- ALL EMPTY CONDUITS ARE TO HAVE PULL-STRINGS PROVIDED IN THEM.
- ALL CONDUIT TERMINATIONS AT TERMINAL BOARDS AND ABOVE CEILING ARE TO HAVE BUSHED CONDUIT ENDS.
- SPICES IN POWER AND LIGHTING OUTLET BOXES SHALL BE KEPT TO A MINIMUM, PULL CONDUCTORS THROUGH TO DEVICES, EQUIPMENT CABINETS AND/OR PANELBOARDS. SPICING IN WIREWAYS IS NOT PERMITTED UNLESS SPECIAL WRITTEN PERMISSION IS GRANTED BY ARCHITECT/ENGINEER.
- CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE. CONTRACTOR SHALL COMPLY FULLY WITH CONNECTICUT STATUTES REGARDING MERCURY CONTAINING DEVICES AND LAMPS. LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES APPLICABLE AT TIME OF DISPOSAL. CONTRACTOR SHALL PROVIDE OWNER WITH WRITTEN CERTIFICATION OF APPROVED DISPOSAL.
- ALL CONDUIT (AND CABLES IF ELSEWHERE SPECIFIED) SHALL BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED CEILINGS, BUILDING EXTERIOR WALL RUNS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR IN WALL/COUNTERS.
- ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE.

LIGHTING FIXTURE SCHEDULE

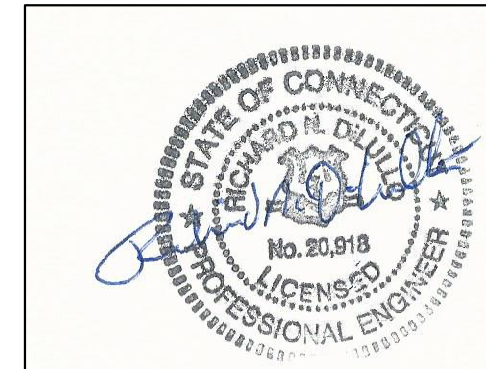
TYPE	DESCRIPTION	LAMPS	REMARKS
A5 A7 A12 A13	LEDALITE 4908LBKQSNXX-WIRING-VOLT-E-ENDSETS-2-S TRUGROOVE SLOT PERIMETER LED DOWNLIGHT A5 - 5'; A7 - 7'; A12 - 12'; A13 - 13' (LENGTHS)	20 WATTS PER 4" SECT LED	INDOOR RECESSED MOUNTED LED W/UNIVERSAL VOLTAGE BALLAST VERIFY LENGTH WITH ARCHITECT
B	CALCULITE LED GEN 3 #C4SN-C4L05835M210U-C4SDLMCCP RECESSED MOUNTED SQUARE LED DOWNLIGHT	15 WATTS LED	INDOOR SURFACE MOUNTED LED W/UNIVERSAL VOLTAGE BALLAST AND POLYCARB LENSE/ LOUVER
C	DAY-BRITE FSS440L835-UNV-DIM SURFACE MOUNTED TO CEILING OR CHAIN HUNG AS REQUIRED	31 WATTS PER 4' LGTH LED	INDOOR SURFACE MOUNTED LED W/UNIVERSAL VOLTAGE BALLAST AND ENCLOSED ACRYLIC LENS
W	PHILLIPS CHLORIDE PATRON LED SERIES # PLACEMW WALL MOUNTED AC/ DC EMERGENCY EGRESS LIGHT	8 WATTS 700 LUMEN LED	INDOOR SURFACE MOUNTED LED W/UNIVERSAL VOLTAGE BALLAST DIE-CAST ALUMINUM (WHITE)

- TYPE "A" FIXTURES ARE SHOWN ON PLAN IN APPROXIMATE LENGTHS. EC SHALL VERIFY EXACT LENGTHS OF FIXTURES BEFORE IT IS THE INTENTION OF THE ARCHITECT TO FILL THE LINEAR SPACE BETWEEN WALLS WITH THE FIXTURE.

- S WALL CASE OCCUPANCY SENSOR
PHILLIPS #LRS222000-WHITE
- S OD WALL MOUNTED OCCUPANCY/DIMMER SWITCH
STENEL# 54551 DT WLS DIM-W



FIRST FLOOR ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



drawing title		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by OPA OakPark Architects LLC
	mark	date	date 9/14/2018
			scale AS NOTED
			project 410 CAPITOL AVENUE BATHROOM RENOVATIONS AND ADA UPGRADES
			HATFORD, CT
			project no. BI-2B-400
			drawn by RW approved by RND drawing no. E2.01