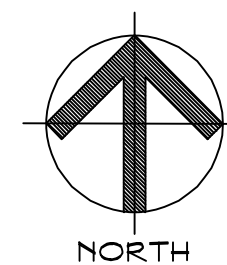


Town of Cheshire - Doolittle Elementary School Toilet Room Upgrades

735 Cornwall Avenue
Cheshire, Connecticut 06410



SITE LOCATION MAP
SCALE: NONE



SILVER / PETRUCCELLI + ASSOCIATES

Architects / Engineers / Interior Designers

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BID #2122-11

March 14, 2022

Issued For Bid: March 25, 2022

GENERAL NOTES

- PERFORM CONSTRUCTION WORK PER DIVISION 01 REQUIREMENTS.
- DO NOT SCALE OR MEASURE ANY DRAWING. REFER TO DIMENSIONS AND NOTES ON DRAWINGS TO LOCATE WALLS AND CONSTRUCTION ITEMS. VERIFY THE FIGURES AND DIMENSIONS SHOWN ON THE DRAWINGS BEFORE STARTING ANY LAYOUT OF THE WORK.
- REPORT ANY ERRORS, INACCURACIES, MISSING DIMENSIONAL REQUIREMENTS, OR CONFLICTS TO THE ARCHITECT IMMEDIATELY AND IN WRITING BEFORE BEGINNING ANY WORK.
- WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, LAWS AND STATUTES AS REQUIRED. STRICTLY ADHERE TO MANUFACTURERS' PRINTED INSTRUCTIONS.
- REFER TO PLANS AND FLOOR/CEILING ASSEMBLIES FOR PARTITIONS REQUIRED TO HAVE FIRE RESISTANT RATINGS.
- REFER TO FURNITURE/EQUIPMENT PLANS FOR EQUIPMENT, FURNITURE AND FURNITURE ACCESSORY LOCATIONS. FURNITURE TO BE FURNISHED & INSTALLED BY OWNER UNLESS SPECIFIED OTHERWISE IN THE PROJECT MANUAL & IS NOT A PART OF THIS CONTRACT.
- LOCATION OF STAGING AREAS, VEHICULAR AND PEDESTRIAN ACCESS TO THE SITE AND CONTRACTOR PARKING SHALL BE FINALIZED DURING THE PRE-CONSTRUCTION MEETING. BUILDING AND SITE CHECK-IN PROCEDURES FOR CONSTRUCTION PERSONNEL WILL BE ADDRESSED AT THAT TIME.
- PROVIDE ALL NECESSARY BARRIERS AND STRUCTURES REQUIRED TO KEEP THE CONSTRUCTION AREA FREE FROM UNAUTHORIZED VISITORS.
- VERIFY THE LOCATIONS OF ALL EXISTING CONSTRUCTION INCLUDING EXISTING UTILITIES, BUILDINGS, SITE IMPROVEMENTS, TREES, ETC. AT THE JOB SITE. NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION IF ANY EXISTING CONDITIONS CONFLICT WITH THE DESIGN INTENT SHOWN ON THESE DRAWINGS.
- DISPOSE OF ALL UNWANTED MATERIALS AND OTHER DEBRIS OFF SITE AS REQUIRED IN A LEGAL MANNER.
- VERIFY IN WRITING, AND RECEIVE WRITTEN AUTHORIZATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY CRANES TO THE WORK.
- DIMENSIONS SHOWN ON ARCHITECTURAL FLOOR PLANS AND ENLARGED PLAN DETAILS ARE TO FACE OF FINISH, FACE OF MASONRY, FACE OF CONCRETE, OR TO THE CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
- INSTALL ADDITIONAL NONCOMBUSTIBLE, CONCEALED, HORIZONTAL AND/OR VERTICAL BLOCKING AND STRAPPING AS REQUIRED WITHIN STUD AND JOIST SPACES FOR THE SECURE ANCHORAGE OF ALL ITEMS TO BE MOUNTED ON FLOOR, WALL AND CEILING SURFACES. COORDINATE THE REQUIRED BLOCKING WITH THE ACTUAL ITEMS SELECTED. REFER TO ARCHITECTURAL MILLWORK, FURNITURE/EQUIPMENT, M.E.P.F.P. DRAWINGS FOR ALL ITEMS TO BE WALL/CEILING/FLOOR MOUNTED. ALL WOOD BLOCKING, FRAMING MEMBERS, STUDS, PLYWOOD SHEATHING, ETC. SHALL BE FIRE RETARDANT TREATED PER 2003 IBC/2005 CT, SECTION 603.1.
- COORDINATE THE DIMENSIONS FOR FRAMED OPENINGS FOR ALL BUILT-IN ITEMS, INCLUDING EQUIPMENT AND FIXTURES, CASEWORK AND ACCESSORIES, ETC. BASED ON THE ACTUAL ITEMS SELECTED BEFORE INSTALLATION.
- SECTIONS, DETAILS, NOTES, DIMENSIONS AND CONDITIONS ARE APPLICABLE AT OTHER LOCATIONS WHERE CONDITIONS AND DETAILS ARE SIMILAR BUT NOT SPECIFICALLY NOTED AS SUCH OR ARE NOT SHOWN.
- FIRESTOPPING MUST CONSIST OF APPROVED NONCOMBUSTIBLE MATERIALS SECURELY FASTENED IN PLACE.
- LOCATIONS FOR REQUIRED FIRESTOPPING WILL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING AREAS:
 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, AT THE CEILING AND FLOOR OR ROOF LEVELS.
 2. AT CONCEALED SPACES BETWEEN STAIRWAY STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 3. AT OPENINGS AROUND ELEMENTS PENETRATING FIRE RESISTIVE CONSTRUCTION.
 4. IN THE SPACES BEHIND COMBUSTIBLE TRIM AND FINISH AND ALL OTHER HOLLOW SPACES WHERE PERMITTED IN FIRE RESISTANCE RATED CONSTRUCTION AT 10-FOOT INTERVALS, OR THE SPACE SHALL BE SOLIDLY FILLED WITH NONCOMBUSTIBLE MATERIALS.
- WHERE DIFFERENT FLOOR TYPES MEET AND NO SADDLE IS INDICATED, LOCATE THE TRANSITION DIRECTLY BELOW THE CENTER OF THE DOOR.
- ALL MATERIALS & EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED AS 'EXISTING'.
- ALL EXISTING UTILITIES & EQUIPMENT LOCATIONS ARE APPROXIMATE - CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS IN FIELD.
- CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- ALL RATED DOORS & DOORS FRONTING A CORRIDOR SHALL HAVE POSITIVE LATCHING LOCKSETS UNLESS OTHERWISE INDICATED ON DOOR SCHEDULE.
- PROVIDE TACTILE WARNING AT ALL DOORS LEADING TO HAZARDOUS AREAS.
- PROVIDE PANIC EXIT DEVICES AT ALL DOORS WITH AN EXIT CAPACITY OF 50 PERSONS OR MORE.
- PROVIDE ADA ACCESSIBLE DOOR HARDWARE AT ALL ACCESSIBLE MEANS OF EGRESS TO COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
- ROOMS WITHIN THE PROJECT SCOPE OF WORK WILL BE TURNED OVER TO THE CONTRACTOR TO FACILITATE WORK CONCURRENTLY IN ALL LOCATIONS.

ARCHITECTURAL ABBREVIATION LIST

ABBREV	ABBREVIATION(S)	EA	EACH	JT	JOINT	RH	RIGHT HAND
ABV	ABOVE	EF	EXHAUST FAN	LEL	LABEL	RM	ROOM
ACMU	ACOUSTICAL CMU	EJ, EXP JT	EXPANSION JOINT	LAV	LAVATORY	RO	ROUGH OPENING
ACP	ACOUSTICAL CEILING PANEL	ELEC	ELECTRIC(A)L	LL	LIVE LOAD	RT	RESILIENT TILE
ACT	ACOUSTICAL CEILING TILE	ELEV	ELEVATION(S)	LKR	LOCKER(S)	SAN	SANITARY
ACPVL	VINYL LAMINATE ACOUSTICAL CEILING PANEL	EQ	EQUAL	LLV	LONG LEG VERTICAL	SCHED	SCHEDULE
ACU, AC	AIR CONDITIONING UNIT	EQUIP	EQUIPMENT	MAINT	MAINTENANCE	SD	SOAP DISPENSER
ADD	ADDITIONAL	ETR	EXISTING TO REMAIN	MANUF, MFR	MANUFACTURER(R)D	SF	SQUARE FEET
AE	ARCHITECT/ENGINEER	EWC	ELECTRIC WATER COOLER	MAT	MATERIAL(S)	SFM	SANITARY FORCE MAIN
AFF	ABOVE FINISHED FLOOR	EWC-H	ELECTRIC WATER COOLER - HANDICAP/ACCESSIBLE	MAX	MAXIMUM	SHT	SHEET
AHU	AIR HANDLING UNIT	EXIST	EXISTING	MECH	MECHANICAL	SIM	SIMILAR
ALUM	ALUMINUM	EXP	EXPOSED	MEMB	MEMBRANE	SPEC	SPECIFICATION(S)
APPROX	APPROXIMATE(LY)	FD	FLOOR DRAIN	MET, MTL	METAL	SQ	SQUARE
ARCH	ARCHITECTURE(J)RAL	FEC	FIRE EXTINGUISHER CABINET	MDO	MEDIUM DENSITY OVERLAY	SS	STAINLESS STEEL
ARGWB	ABUSE RESISTANT GYPSUM WALLBOARD	FFL	FINISH FLOOR LINE	MIN	MINIMUM, MINUTE	STD	STUD
ASPH	ASPHALT	FF	FINISH FLOOR	MIR	MIRROR	STL	STEEL
AUTO	AUTOMATIC	FFH	FIRE HYDRANT	MISC	MISCELLANEOUS	STOR	STORAGE
BD	BOARD	FIN	FINISH(ED)	MO	MASONRY OPENING	STRUCT	STRUCTURE(A)L
BIT	BITUMINOUS	FIXT	FIXTURE(S)	MTD	MOUNTED	SUSP	SUSPENDED
BULD	BUILDING	FLUOR	FLUORESCENT	MWP	METAL WALL PANEL	SYM	SYMMETRY(C)AL
BULK, BULK	BLOCKING	FP	FIRE PROTECTION	NA	NOT APPLICABLE	SYS	SYSTEM
BM	BENCH MARK	FURK	FURRING	NIC	NOT IN CONTRACT	T&G	TONGUE AND GROOVE
BO	BOTTOM OF	FLX	FLEXIBLE	NO, #	NUMBER	TD	TOWEL BAR
BOT	BOTTOM	FLR	FLOOR	NOM	NOMINAL	TEL	TELEPHONE
CAB	CABINET	FFE	FINISH FLOOR ELEVATION	NRC	NOISE REDUCTION COEFFICIENT	THK	THICKNESS
CB	CATCH BASIN	FFE#	FURNITURE, FIXTURES & EQUIPMENT	NTS	NOT TO SCALE	T.O.	TOP OF
CAC	COMMON ACCESS CARD	FO	FACE OF	OC	ON CENTER	TOS	TOP OF STEEL
CBU	CEMENTITIOUS BACKER UNIT	FT, FTG	FOOT(ING), FEET.	OD	OUTSIDE DIAMETER	TPD	TOILET PAPER DISPENSER
CIR	CIRCLE	FRP	FIBERGLASS REINFORCED PLASTIC	OH	OVERHEAD	TS	TUBE STEEL
CER	CERAMIC	GA	GAGE, GAUGE	OPER	OPERATOR	TYP	TYPICAL
CIP	CAST IN PLACE	GALV	GALVANIZED	OPH	OPPOSITE HAND	UG	UNDERGROUND
CHEM	CHEMICAL	GL	GLASS, GLAZE(D)ING	OPP	OPPOSITE	UL	UNDERWRITERS LABORATORIES UNFINISHED
CJ	CONTROL/CONSTRUCTION JOINT	GB	GRAB BAR	OS	OVERFLOW SCUPPER	UNF	UNFINISHED
CL	CLOSET	GYP	GYPSUM	PBB	PRE-ENGINEERED BUILDING	UON	UNLESS OTHERWISE NOTED
CLG	CEILING	HDP	HIGH DENSITY POLYETHYLENE	PED	PEDESTAL	VCT	VINYL COMPOSITION TILE
CLR	CLEAR	HDPE	HIGH DENSITY POLYETHYLENE	PEJ	PREFORMED EXPANSION JOINT	VERT	VERTICAL
CMU	CONCRETE MASONRY UNIT	HDWR	HARDWARE	PL	PLATE	VEST	VESTIBULE
COL	COLUMN	HGT, HT	HEIGHT	PLAM	PLASTIC LAMINATE	VERIFY	VERIFY IN FIELD
CONC	CONCRETE	HORIZ	HORIZONTAL	PLYWD	PLYWOOD	VMF	VEHICLE MAINTENANCE FACILITY
CONC CONT	CONCRETE CONTINUE(OUS)	HP	HIGH POINT	POL	PETROLEUM, OIL & LUBRICATION	W	WOOD
CORR	CORRIDOR	HR	HOUR	PRT	PORCELAIN TILE	WD	WOOD WITH PRESSURE TREATED
CPT	CARPET	HVAC	HEATING, VENTILATION & AIR CONDITIONING	PRFAB	PRE-FABRICATED	WH, WH5	WAREHOUSE WINDOW
CT	CERAMIC TILE	ID	INSIDE DIAMETER	PREFIN	PRE-FINISHED	WIN	WINDOW WITHOUT WORK POINT
DET, DTL	DETAIL	INFO	INFORMATION	FTD	PAINT(ED)	WPT	WORK POINT
DIA	DIAMETER	INFIL	INFILTRATION	RA	RETURN AIR	WRGWB	WATER RESISTANT GYPSUM WALLBOARD
DIAG	DIAGONAL	INSUL	INSULATION	RAD	RADIUS	WWF	WELDED WIRE FABRIC
DIM(DIMS)	DIMENSION(S)	INT	INTERIOR	RD	ROOF DRAIN		
DISP	DISPENSER	IAW	IN ACCORDANCE WITH	REC	RECESSED		
DN	DOWN	INV	INVERT	REF	REFERENCE		
DSC	DOWNSPOUT	IR	IMPACT RESISTANT	REINF	REINFORCE(D)ING		
D5C	DOWNSPOUT SCUPPER	IRGWB	IMPACT RESISTANT GYPSUM WALLBOARD	REV	REVISED(I)ON		
DWG	DRAWING(S)	JAN	JANITOR	RES	RESILIENT		
				REQ, REQD	REQUIRE(D)		

SYMBOLS LEGEND

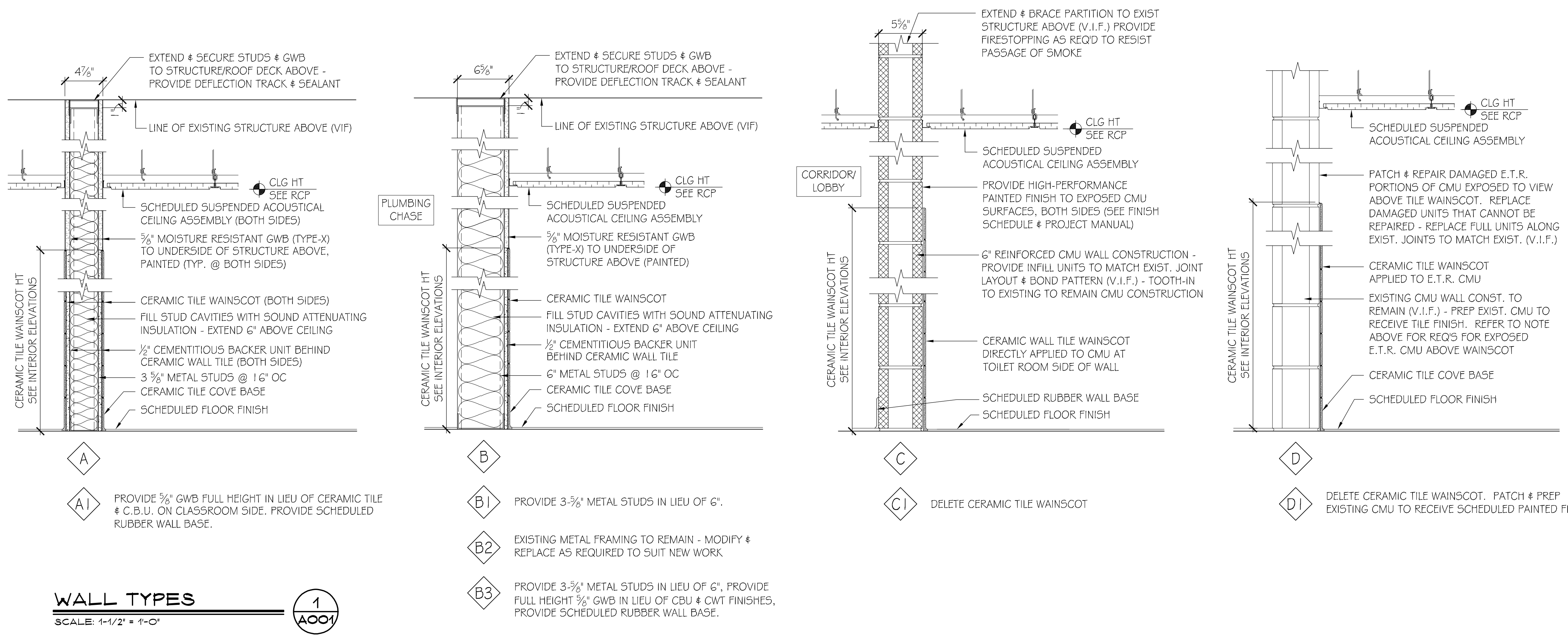
	ELEVATION/BULLET
	KEY NOTE TAG
	WALL/PARTITION TYPE IDENTIFICATION
	DOOR IDENTIFICATION TAG
	CEILING HEIGHT TAG
	TOILET ACCESSORY IDENTIFICATION TAG
	COLUMN GRID TAG
	DETAIL TAG
	SECTION TAG
	INTERIOR ELEVATION TAG
	REVISION TAG/ REVISION CLOUD
	OFFICE ROOM NAME/NUMBER IDENTIFICATION TAG

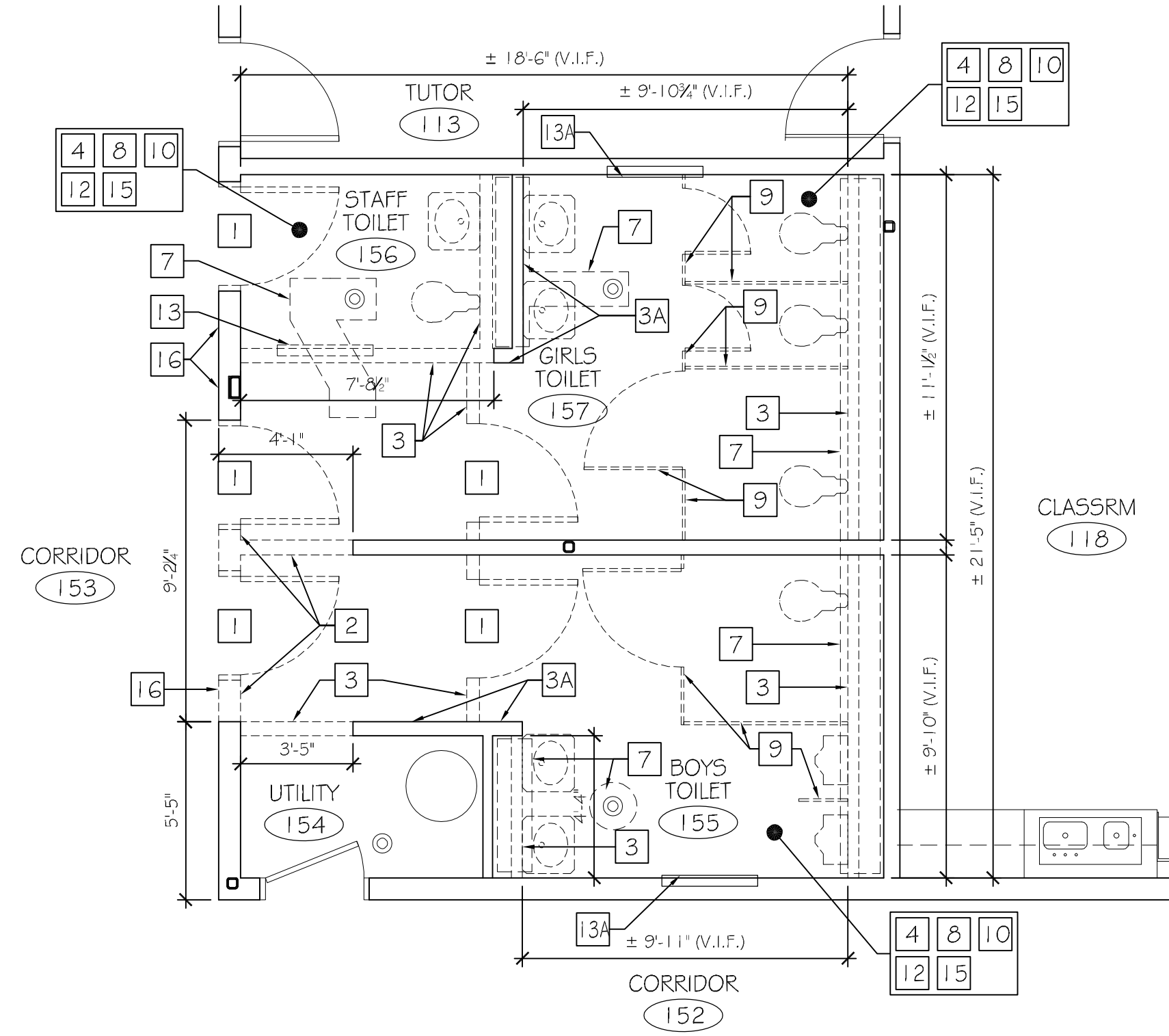
HATCH PATTERNS

	CONCRETE MASONRY UNIT
	CONCRETE
	BRICK
	METAL
	GRATING AND/OR RIGID INSULATION
	SIDING AND/OR STANDING SEAM MTL ROOF SYSTEM
	ROUGH WOOD
	FINISHED WOOD
	PLYWOOD
	BATT INSULATION
	GYPSUM BOARD AND/OR GRAVEL SURFACE
	POROUS FILL AND/OR GRAVEL
	UNDISTURBED SURROUNDING EARTH
	COMPACTED FILL

DRAWING INDEX

SHEET NO.	SHEET TITLE
GENERAL	
-	PROJECT COVER SHEET
ARCHITECTURAL	
A001	NOTES, ABBREVIATIONS, LEGEND & WALL TYPES
A101	TOILET ROOM FLOOR PLANS & NOTES
A102	TOILET ROOM INTERIOR ELEVATIONS
A103	INTERIOR ELEVATIONS
A250	SCHEDULES & DETAILS
FIRE PROTECTION	
FPO01	FIRE PROTECTION COVER SHEET
FP101	FIRE PROTECTION PLANS, SCHEDULES & DETAILS
PLUMBING	
PO01	PLUMBING COVER SHEET
P101	PLUMBING PLANS
P801	PLUMBING DETAILS
P901	PLUMBING SCHEDULES
MECHANICAL	
MO01	MECHANICAL NOTES, LEGENDS & ABBREVIATIONS
M101	MECHANICAL TOILET ROOM PLANS & NOTES
M201	MECHANICAL DETAILS & SCHEDULES
ELECTRICAL	
EO01	ELECTRICAL ABBREVIATIONS, NOTES, SYMBOLS & LGT. SCHED.
E101	ELECTRICAL PLANS & NOTES



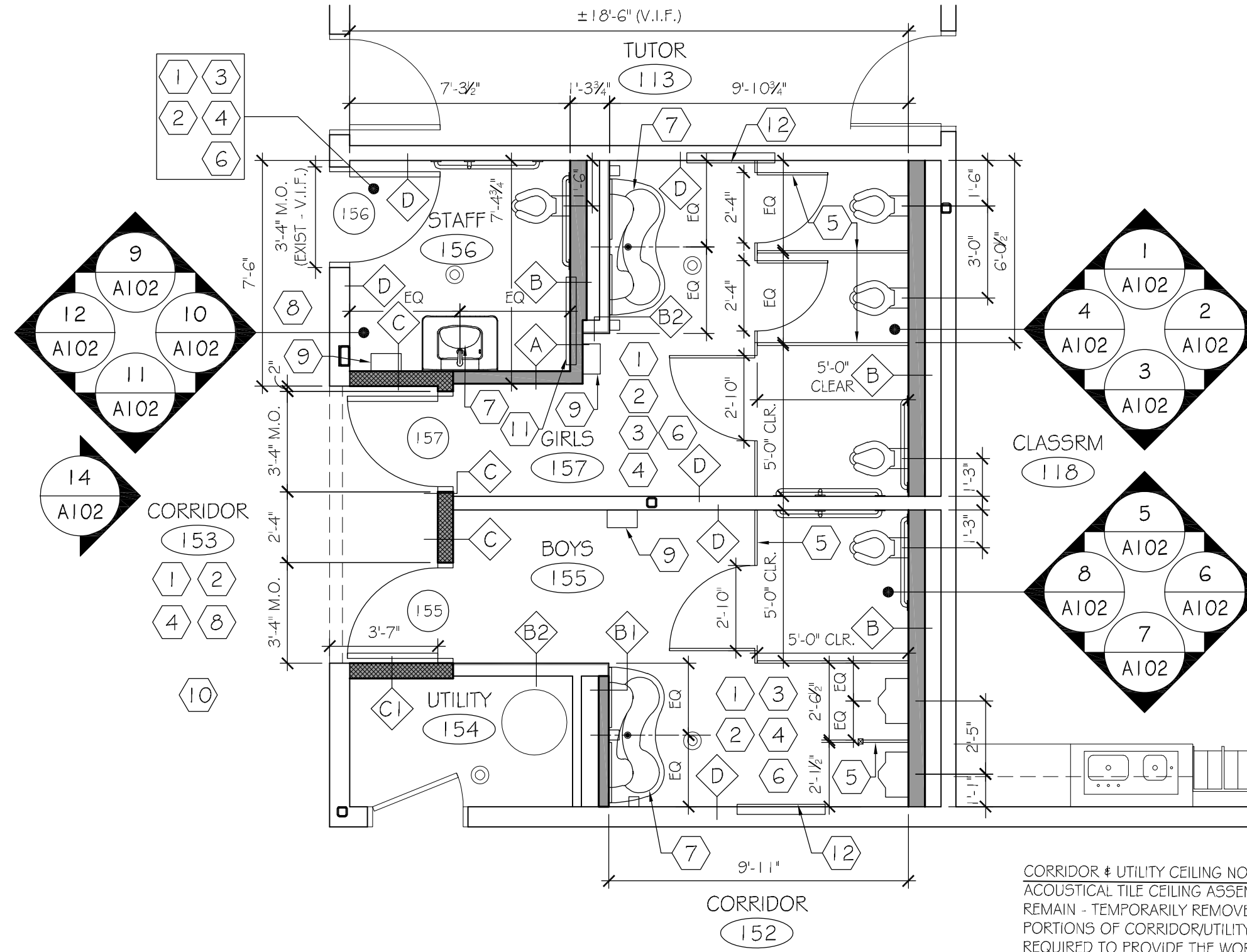


TOILET ROOM DEMOLITION PLAN

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

1
A101

GENERAL DEMOLITION NOTE:
DEMOLITION KEY NOTES SHOWN AT TOILET ROOMS ALSO APPLY TO THE ENTRY VESTIBULE AREAS AT EACH TOILET ROOM.

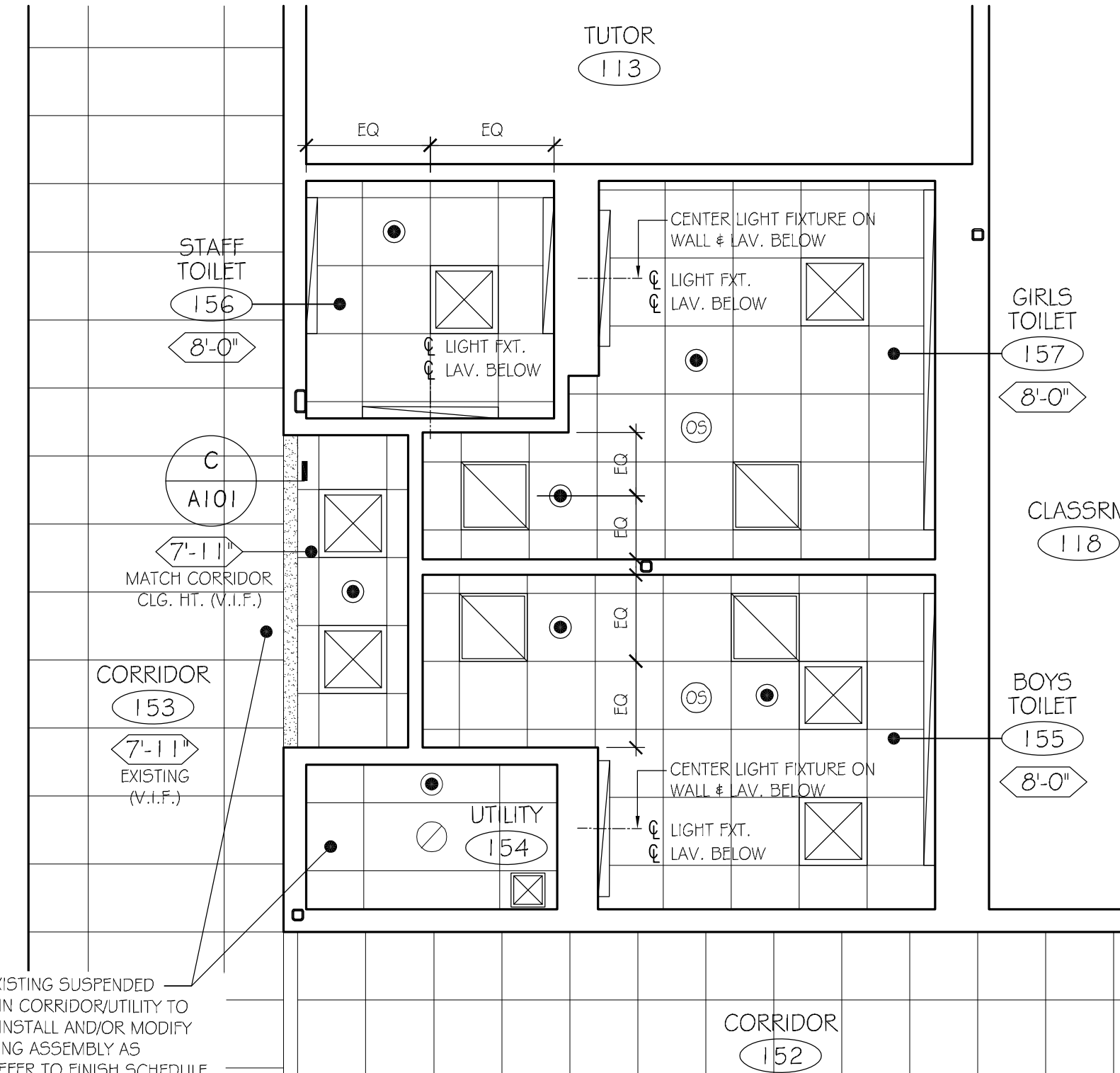


TOILET ROOM FLOOR PLAN

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

2
A101

CORRIDOR & UTILITY CEILING NOTE: EXISTING SUSPENDED ACOUSTICAL TILE CEILING ASSEMBLY IN CORRIDOR/UTILITY TO REMAIN - TEMPORARILY REMOVE & REINSTALL AND/OR MODIFY PORTIONS OF CORRIDOR/UTILITY CEILING ASSEMBLY AS REQUIRED TO PROVIDE THE WORK. REFER TO FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS REGARDING REPLACEMENT OF CEILING TILES.



TOILET ROOM CEILING PLAN

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

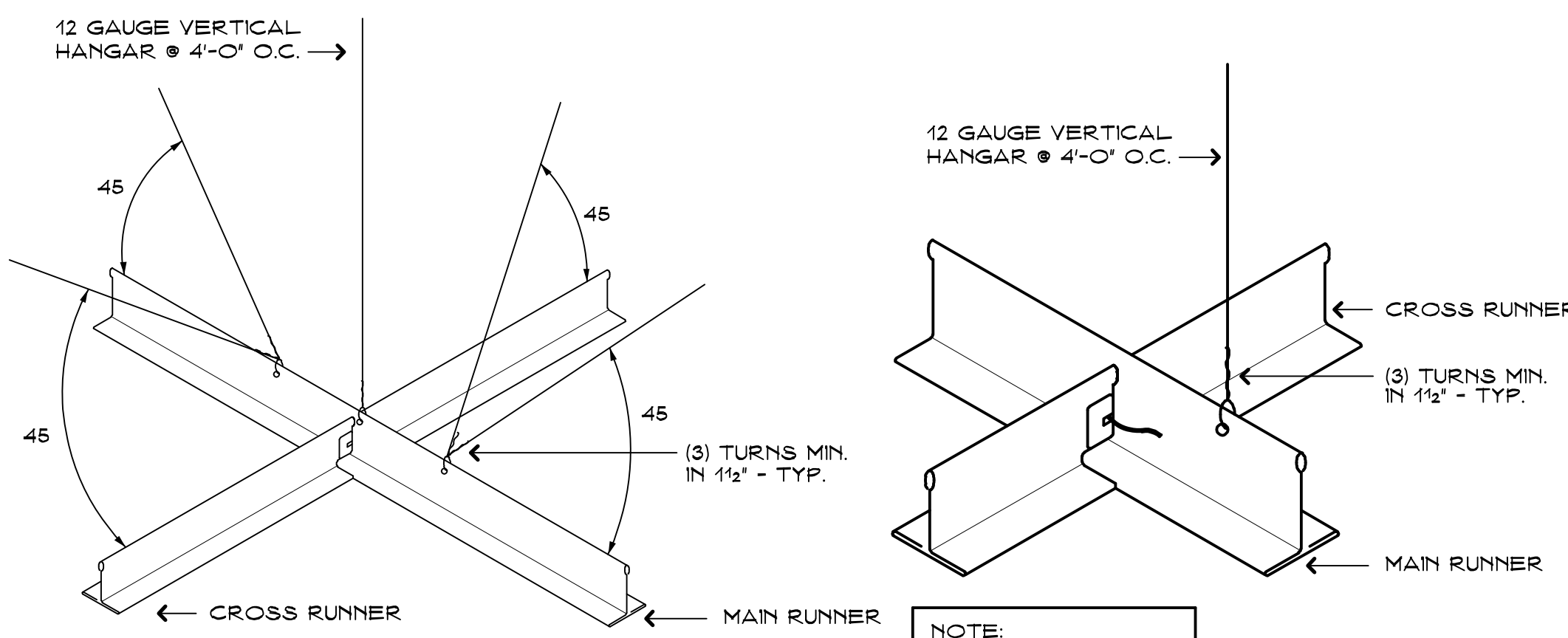
3
A101

DEMOLITION KEY NOTES

- REMOVE EXIST. DOOR & FRAME ASSY. & ASSOCIATED COMPONENTS.
- REMOVE EXISTING FULL-HEIGHT CMU WALL CONSTRUCTION.
- REMOVE EXISTING FULL-HEIGHT GWB & METAL STUD WALL CONSTRUCTION.
- REMOVE EXISTING FULL-HEIGHT GWB FROM E.T.R. METAL FRAMING.
- REMOVE EXISTING CERAMIC TILE FLOORING & WALL BASE DOWN TO EXIST. CONCRETE SUBSTRATE - PREP EXISTING SUBSTRATE TO RECEIVE SCHEDULED FINISHES.
- REMOVE EXISTING RESILIENT TILE FLOORING ASSEMBLY DOWN TO EXISTING CONCRETE SUBSTRATE - PREP EXISTING SUBSTRATE TO RECEIVE SCHEDULED FINISHES.
- REMOVE EXISTING RUBBER WALL BASE FROM CORRIDOR WALL & PREP WALL SURFACE TO RECEIVE SCHEDULED WALL BASE.
- SAWCUT & REMOVE PORTION OF EXIST. CONCRETE SLAB AS REQ'D TO PROVIDE PLUMBING WORK. COORDINATE LOCATIONS & EXTENT OF SLAB REMOVAL WITH PLUMBING WORK. REFER TO PLUMBING DRAWINGS FOR MORE INFO.
- REMOVE EXISTING ACOUSTICAL TILE SUSPENDED CEILING SYSTEM & ALL ASSOCIATED COMPONENTS, FIXTURES & DEVICES - COORDINATE WITH M/E/P/F DRAWINGS.
- REMOVE EXISTING FLOOR MOUNTED, OVERHEAD BRACED (VIF) TOILET PARTITION & URINAL SCREEN ASSEMBLIES.
- REMOVE EXISTING TOILET ACCESSORIES, INCLUDING (BUT NOT LIMITED TO) DISPENSERS, DISPOSALS, MIRRORS & GRAB BARS - SALVAGE & TURN OVER TO OWNER.
- REMOVE EXISTING CLASSROOM SINK, COUNTER, AND BASE & WALL CABINET ASSEMBLIES.
- REMOVE EXISTING PLUMBING FIXTURES - COORDINATE WITH PLUMBING DRAWINGS.
- REMOVE EXISTING CABINET CONVECTOR ASSEMBLY - COORD. WITH MECHANICAL DRAWINGS.
- REMOVE & SALVAGE EXISTING CABINET CONVECTOR ASSEMBLY COVERS - PROTECT, SCRAPE & PREP FOR REPAINTING AND REINSTALLATION.
- REMOVE PORTION OF EXISTING GWB SOFFIT ABOVE EXISTING COAT RACK AND CLOSET AREA AT NEW TOILET ROOM AREA. BALANCE OF EXISTING SOFFIT FRAMING TO REMAIN, MODIFY AS REQUIRED TO SUIT NEW LAYOUT. EXISTING GWB AT AREAS OF SOFFIT TO REMAIN SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.
- REMOVE EXISTING WALL MOUNTED FURNISHINGS - PROTECT & TURN OVER TO OWNER.
- REMOVE EXISTING ROOM SIGNAGE.
- REMOVE EXISTING RUBBER WALL BASE.
- REMOVE EXIST. ROOF MOUNTED EXHAUST FAN & CURB ASSEMBLIES. PROTECT EXIST. ROOFING TO REMAIN & MAINTAIN WEATHER-TIGHTNESS THROUGHOUT CONSTRUCTION. REFER TO MECH. DRAWINGS FOR ADDITIONAL INFO. & COORDINATE WITH HAZMAT.
- REMOVE EXISTING COAT HOOK AND SHELVING ASSEMBLIES IN COAT RACK ALCOVE - SALVAGE & PROTECT FOR INSTALLATION IN MODIFIED COAT RACK AREA IN CONFIGURATION TO MATCH EXISTING.
- REMOVE EXISTING WOOD-CLAD WALL CONSTRUCTION (V.I.F.).
- REMOVE EXISTING STONE THRESHOLD FROM E.T.R. DOOR ASSEMBLY, PREP CONCRETE SUBSTRATE TO RECEIVE SCHEDULED FINISH.
- REMOVE PORTION OF EXISTING METAL CONVECTOR ASSEMBLY COVER AND MODIFY TO PROVIDE FINISHED TERMINATION UP AGAINST NEW WORK.

CONSTRUCTION KEY NOTES

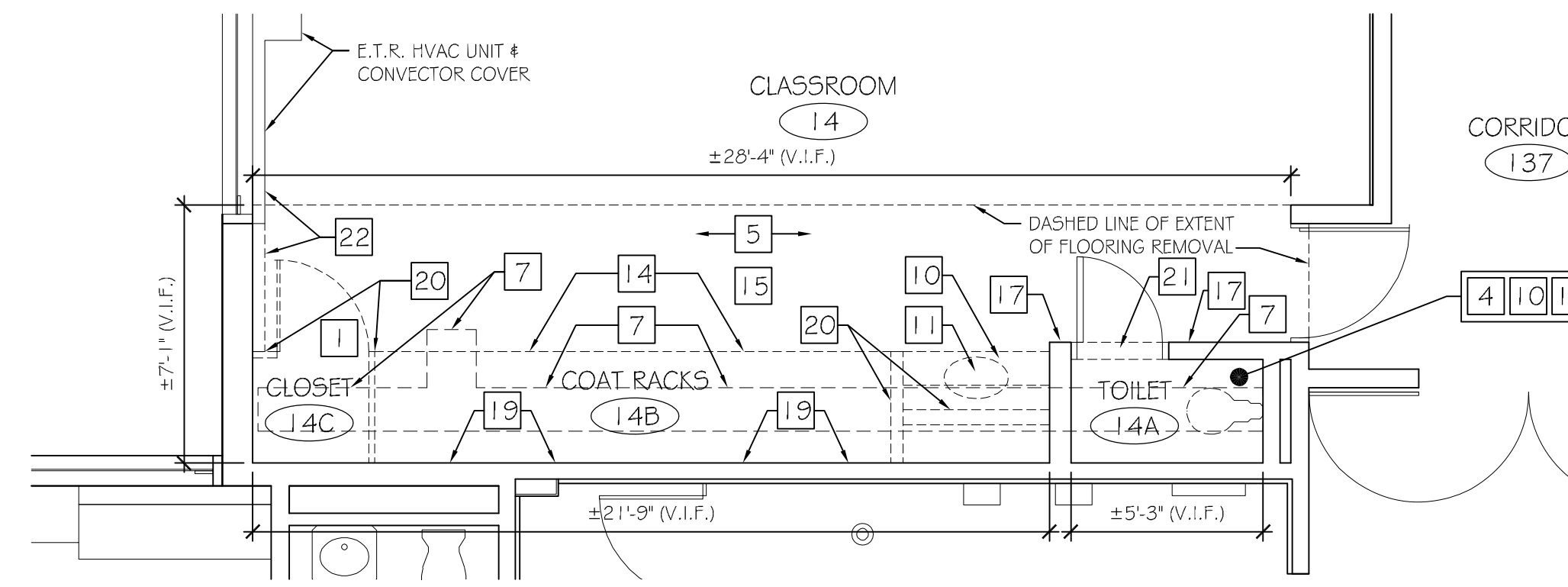
- PROVIDE SUSPENDED ACOUSTICAL TILE CEILING ASSEMBLY - REFER TO CEILING PLAN & COORD WITH M/E/P.
- PREP EXISTING CONCRETE SUBSTRATE AS REQ'D TO RECEIVE SCHEDULED TILE FLOOR FINISH. REFER TO FINISH SCHEDULE.
- PROVIDE REINFORCED CONCRETE SLAB INFILL TO MATCH EXISTING AT AREAS OF SLAB TRENCHING & REMOVAL.
- PREP EXISTING WALL SUBSTRATE AS REQ'D TO RECEIVE SCHEDULED FINISHES. PATCH, REPAIR & PAINT EXISTING WALL FINISHES TO REMAIN. REFER TO FINISH SCHEDULE.
- PROVIDE FLOOR MOUNTED, OVERHEAD BRACED TOILET PARTITION/PRIVACY SCREEN ASSEMBLY.
- PROVIDE TOILET ACCESSORIES - REFER TO INTERIOR ELEVATIONS & TOILET ACCESSORY SCHEDULE FOR MORE INFO.
- PROVIDE LAVATORY SYSTEM W/INTEGRAL SOLID SURFACE COUNTERTOP, FIXTURES & SENSORS - REFER TO PLUMBING DRAWINGS & PROJECT MANUAL FOR MORE INFORMATION.
- PROVIDE WALL BASE AT AREAS OF CORRIDOR WALL BASE REMOVAL - REFER TO FINISH SCHEDULE. (MATCH EXIST. - V.I.F.)
- PROVIDE ELECTRIC HAND DRYERS - REFER TO ELECTRICAL DRAWINGS, INTERIOR ELEVATIONS AND PROJECT MANUAL FOR MORE INFO.
- PROVIDE PRE-FAB ROOF CURB ASSEMBLIES & EXHAUST FANS - REFER TO MECH. DRAWINGS & DETAILS. (V.I.F.). MODIFY EXIST. OPENINGS IN ROOF AS REQ'D TO ACCOMMODATE NEW COMPONENTS. PATCH ROOFING & ROOF DECK AS REQ'D TO PROVIDE WEATHERTIGHT SEAL. COORD. WORK WITH HAZMAT.
- PROVIDE RECESSED CABINET CONVECTOR ASSEMBLY - REFER TO MECH. DWGS.
- SCRAPE, PREP & PAINT EXISTING METAL CONVECTOR COVER ASSEMBLIES.
- MODIFY EXISTING METAL CONVECTOR COVER ASSEMBLY TO SUIT NEW WORK, INSTALL TO MATCH EXISTING CONFIGURATION WITH ALL TRIM PIECES. SCRAPE, PRIME & PAINT TO MATCH EXISTING.
- MODIFY & INSTALL EXISTING COAT HOOK AND SHELVING ASSEMBLIES TO FIT WITHIN MODIFIED COAT HOOK SPACE BETWEEN NEW TOILET RM. & CLOSET. SPACE BRACKETS EQUALLY WITHIN OPENING - COORDINATE LAYOUT WITH OWNER.
- MODIFY EXISTING SOFFIT FRAMING AS REQ'D TO SUIT NEW WORK, PROVIDE 3/8" GWB OVER EXISTING FRAMING AT VERTICAL & HORIZONTAL SURFACES, PAINTED.
- PATCH & REPAIR EXISTING GWB/PLASTER CEILING ASSEMBLY AT FORMER TOILET ROOM AS REQ'D TO SUIT NEW WORK (V.I.F.).
- PROVIDE STAINLESS STEEL CORNER GUARD (REFER TO PROJECT MANUAL).



SEISMIC BRACING DETAIL

SCALE: NONE

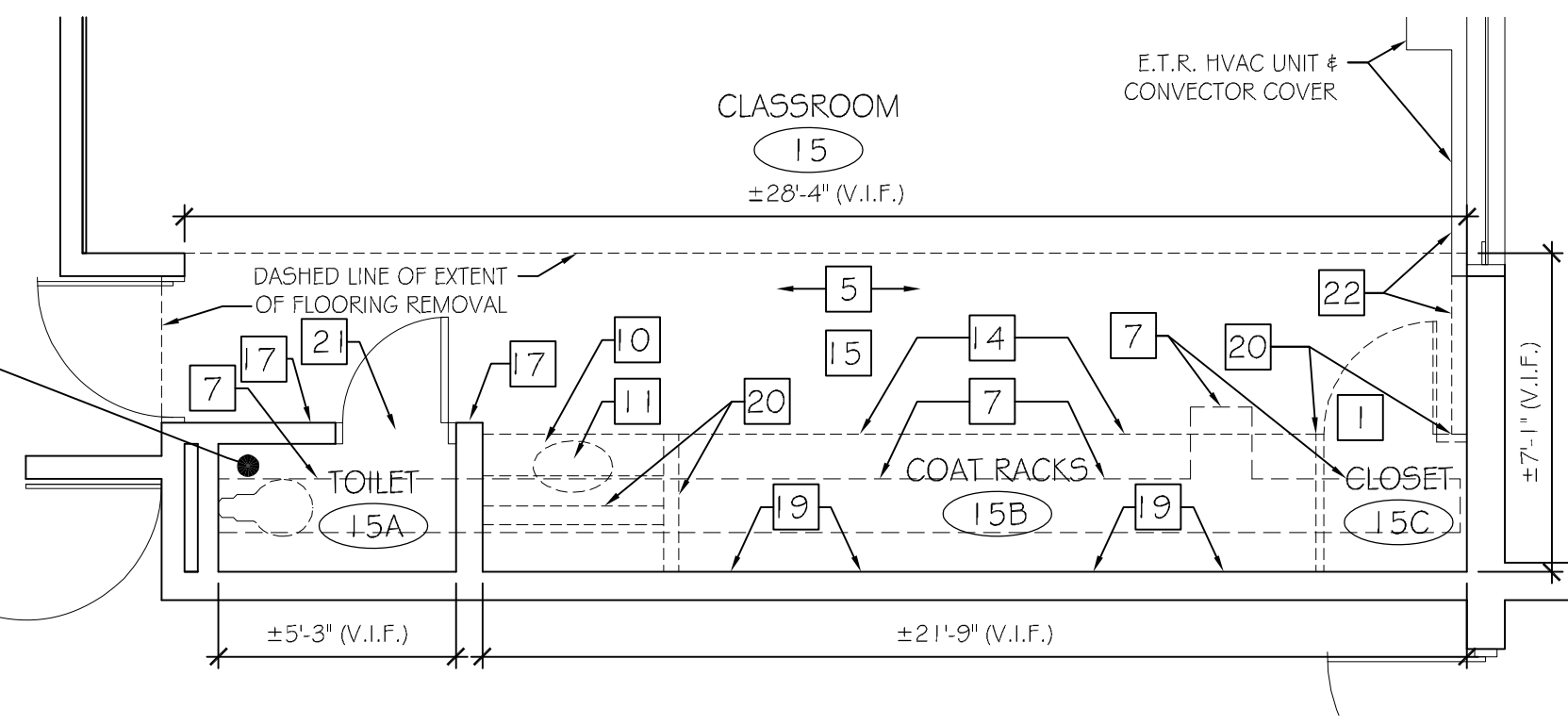
A
A101



CR 14 & 15 TOILET ROOM DEMOLITION PLAN

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

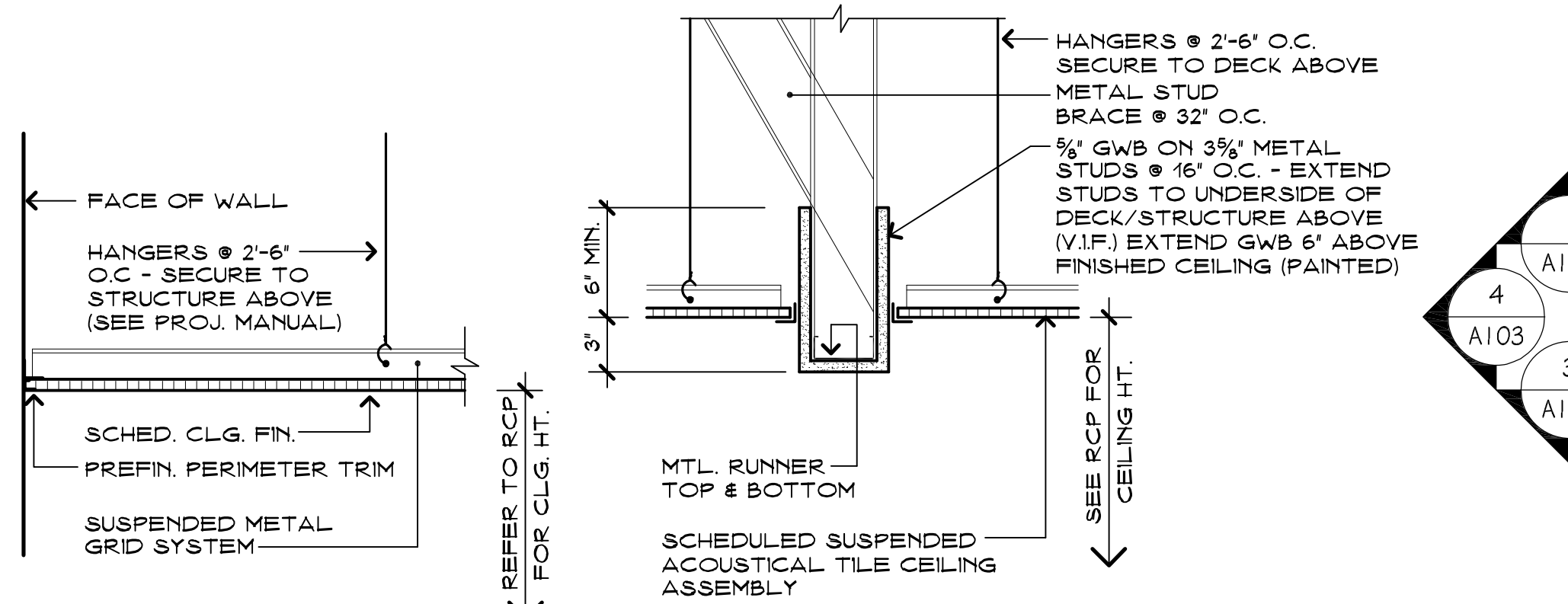
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A101



CR 14 & 15 TOILET ROOM FLOOR PLAN

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

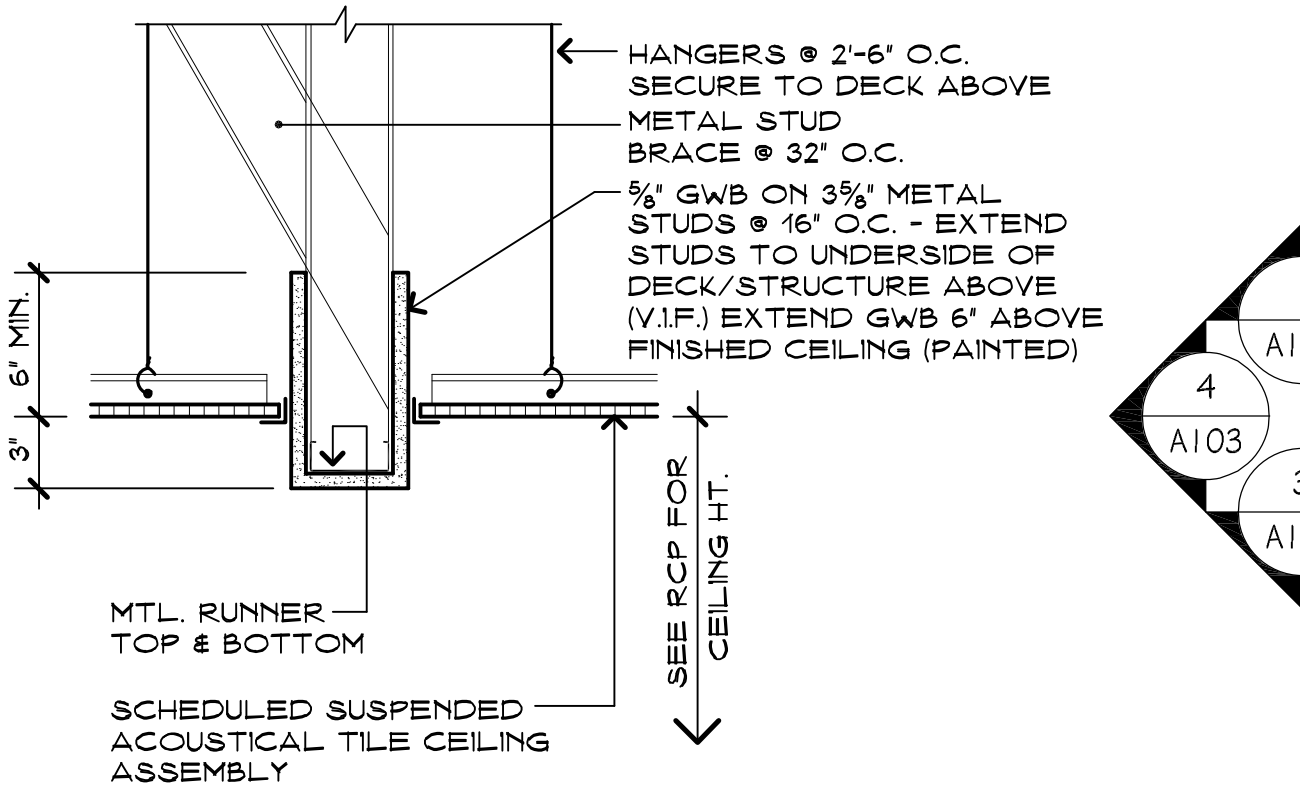
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A101



CEILING DETAIL

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

B
A101



CEILING DETAIL

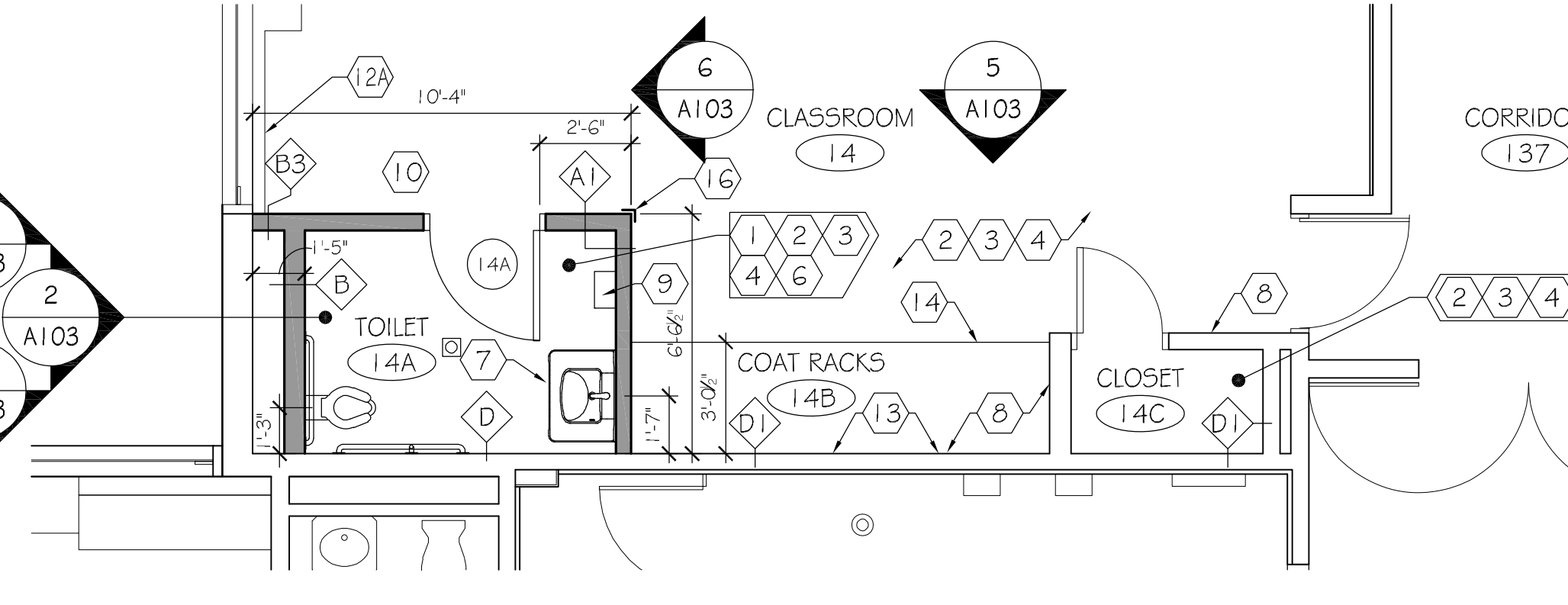
SCALE: 1 1/2" = 1'-0"

C
A101

- ROOF NOTES:**
- BASED ON 1991 AS-BUILT DRAWINGS BY GALLIHER & BAIER ARCHITECTS & PLANNERS, THE EXISTING ROOF CONSTRUCTION APPEARS TO BE COMPRISED OF SINGLE-PLY MEMBRANE ROOFING (HYPALON) OVER ± 3" THICK RIGID INSULATION, OVER GYPSUM/CONCRETE DECK, OVER FORM BOARD, OVER SLOPED STEEL STRUCTURE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD.
 - PROVIDE WORK AT ROOF AS REQ'D TO PRESERVE EXISTING WEATHER-TIGHTNESS.
 - ROOF WORK MUST BE COMPATIBLE WITH THE EXISTING ROOFING SYSTEM - MATCH EXISTING TYPE & COLOR (V.I.F.)
 - CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING ROOF SLOPE & FIELD CONDITIONS AS REQ'D TO PROVIDE ROOF CURB ASSEMBLIES FABRICATED TO MATCH EXISTING ROOF SLOPE.
 - REFER TO MECHANICAL DRAWINGS FOR INFORMATION REGARDING ROOF CURB & EXHAUST FAN SCOPE OF WORK.

RCP LEGEND

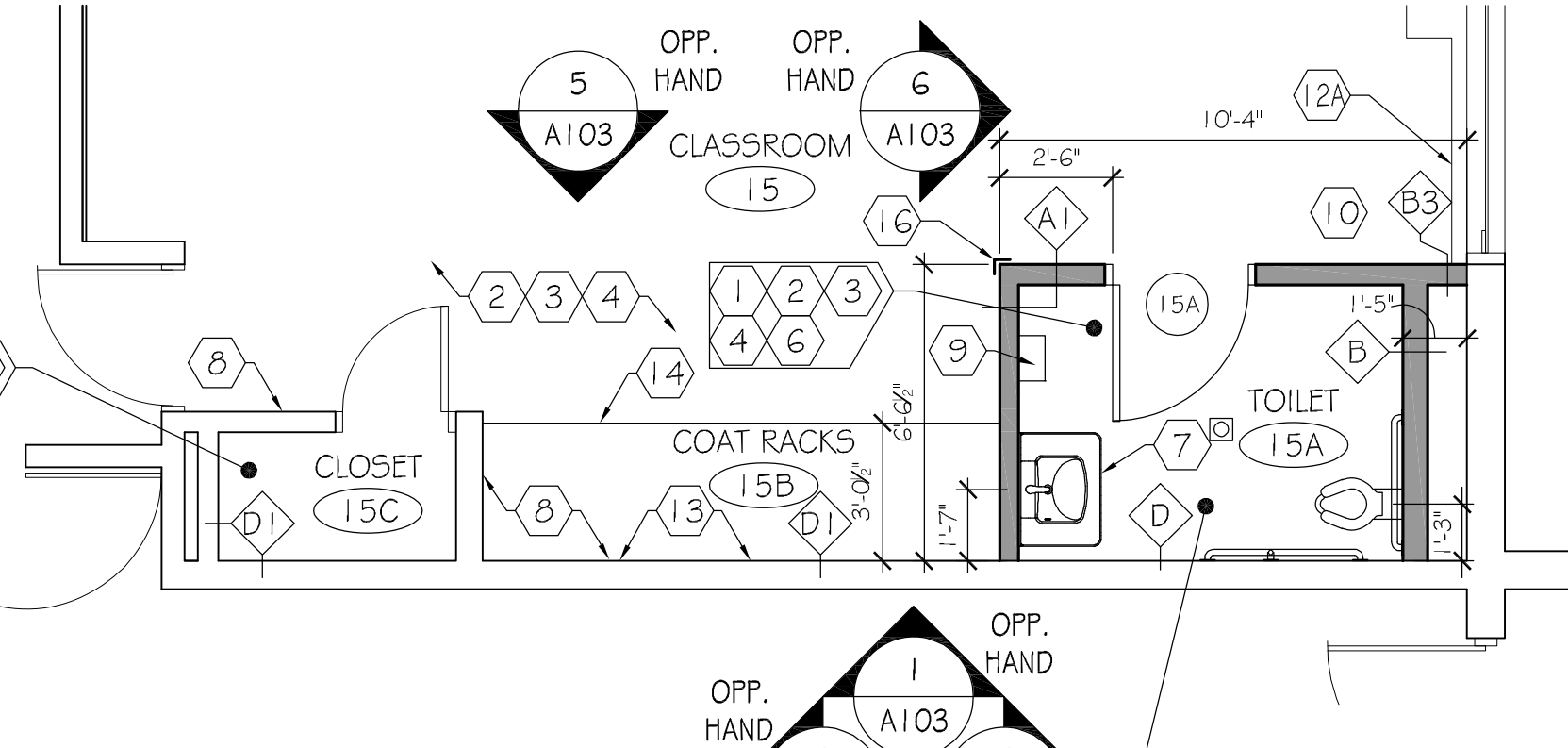
- SUSPENDED CEILING GRID (SEE FINISH SCHED FOR SIZE & TYPE)
 - GWB CEILING/SOFFIT
 - CEILING HEIGHT A.F.F.
 - 2X2 RECESSED LIGHT FIXTURE (REFER TO ELEC)
 - ETR RECESSED LIGHT FIXTURE (VIF)
 - RECESSED LINEAR LIGHT FIXTURE (REFER TO ELEC)
 - MECH. GRILLE/DIFFUSER (REFER TO MECH DWGS)
 - FP SPRINKLER HEAD (REFER TO FP DWGS)
- NOTE: REFER TO CEILING DETAILS ON THIS SHEET



CR 14 & 15 TOILET ROOM CEILING PLAN

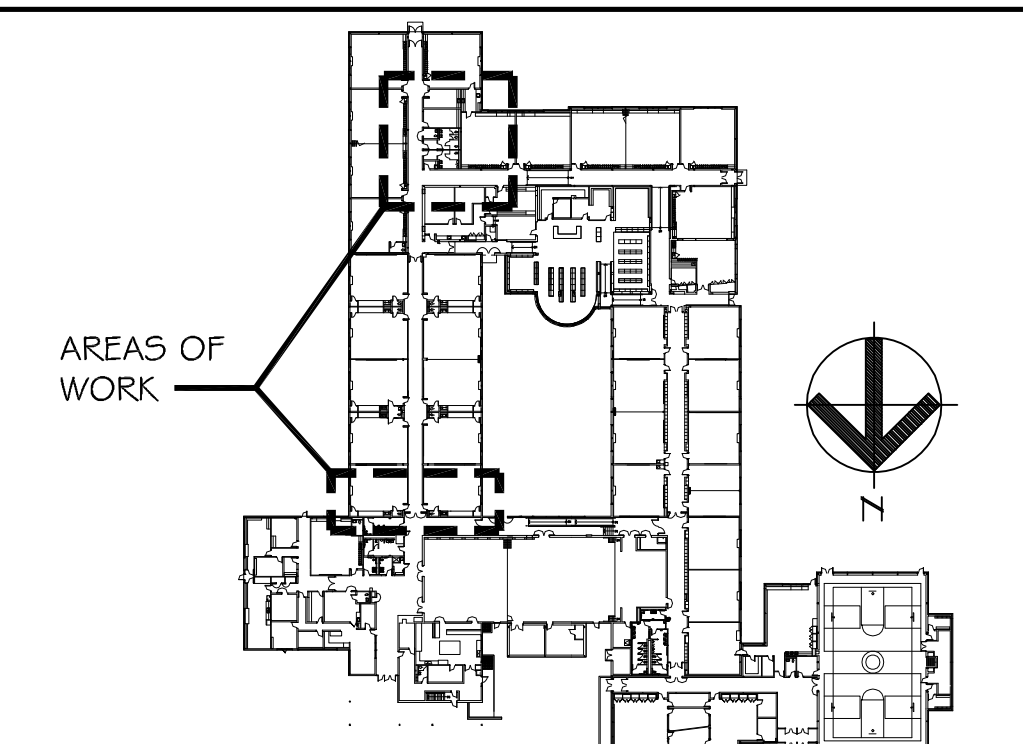
SCALE: 1/4" = 1'-0"

6
A101



WALL LEGEND:

- EXISTING TO REMAIN (VIF)
- EXISTING TO BE REMOVED
- NEW WALL CONSTRUCTION

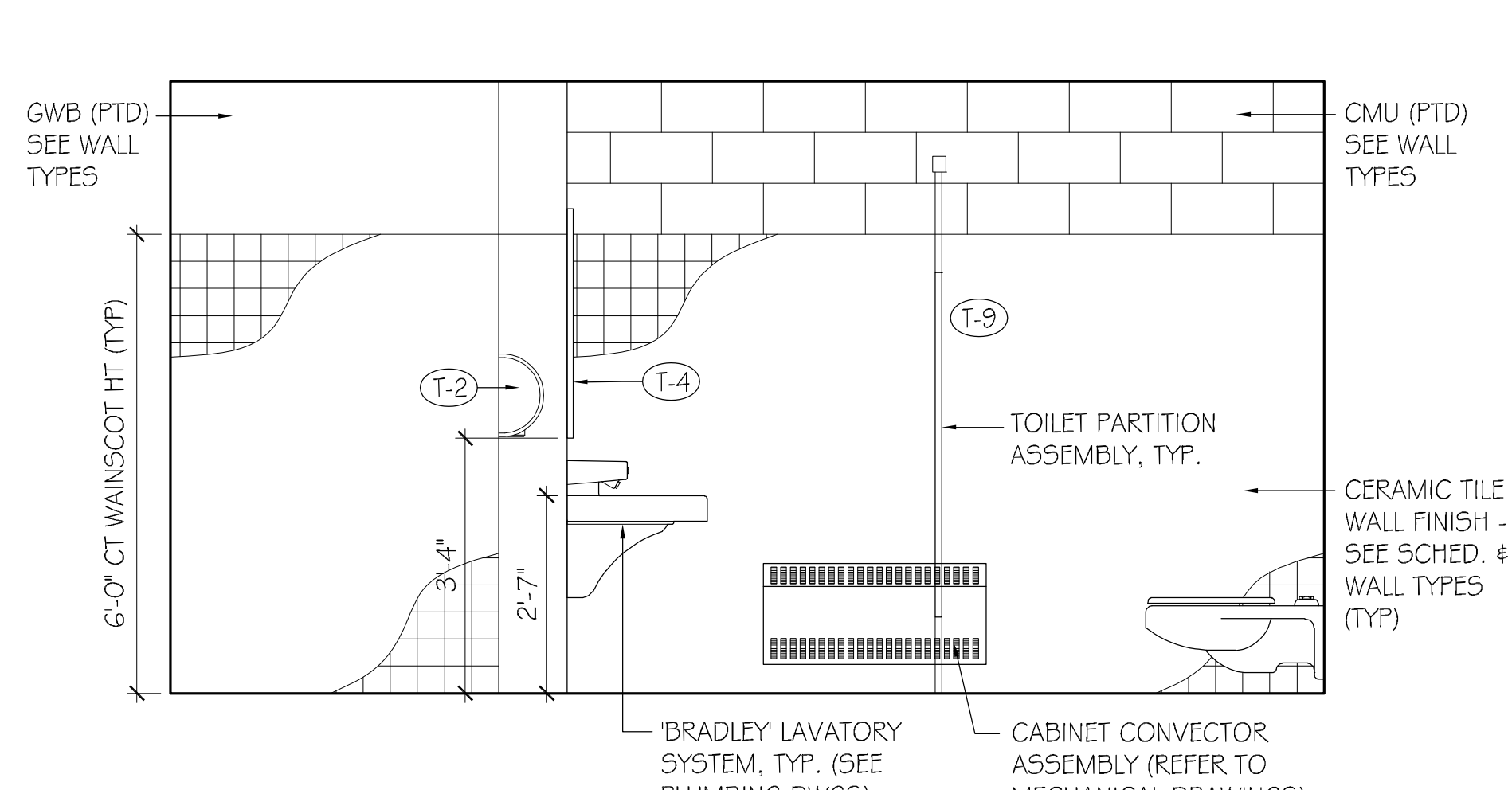


MAIN LEVEL KEY PLAN

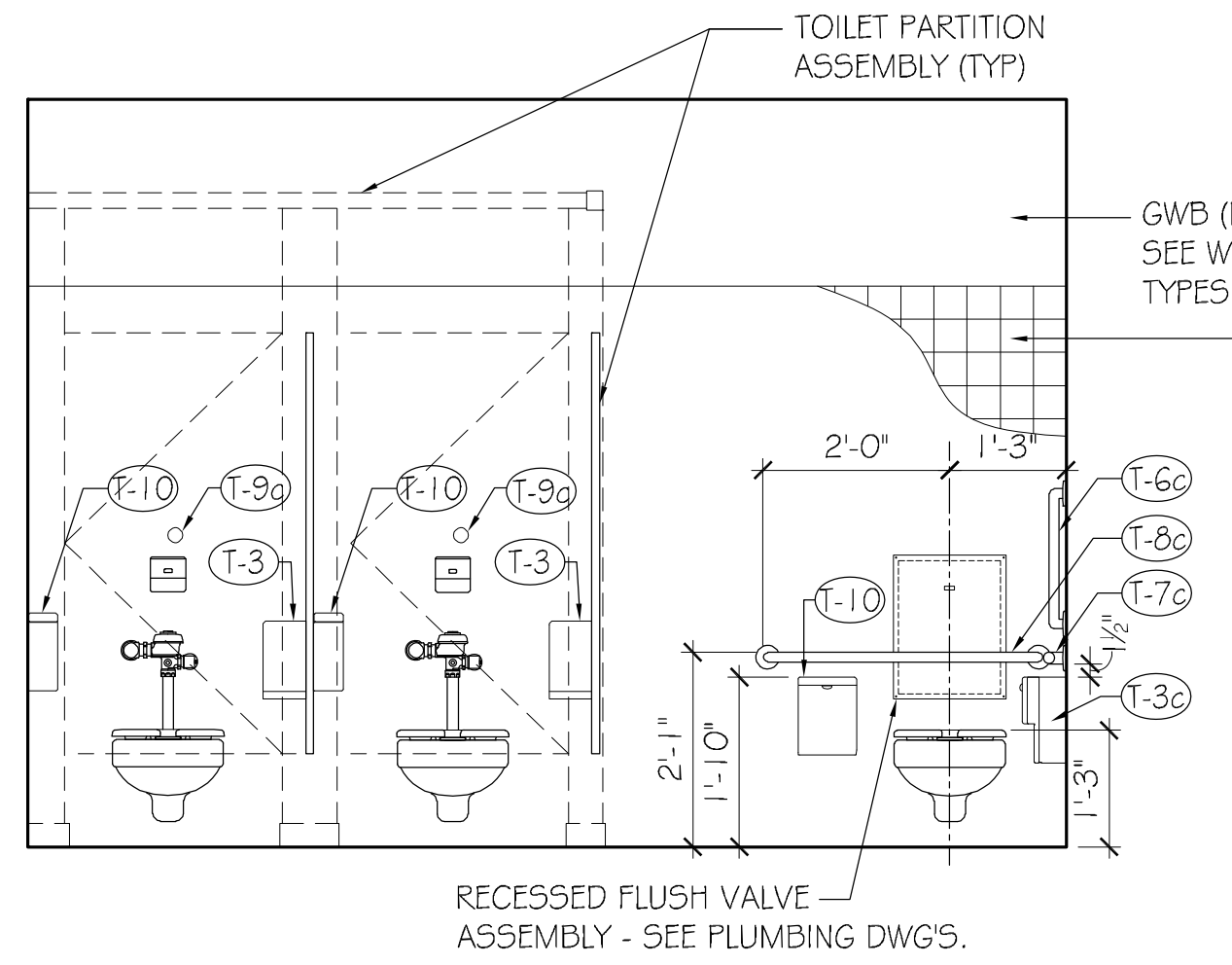
NOT TO SCALE



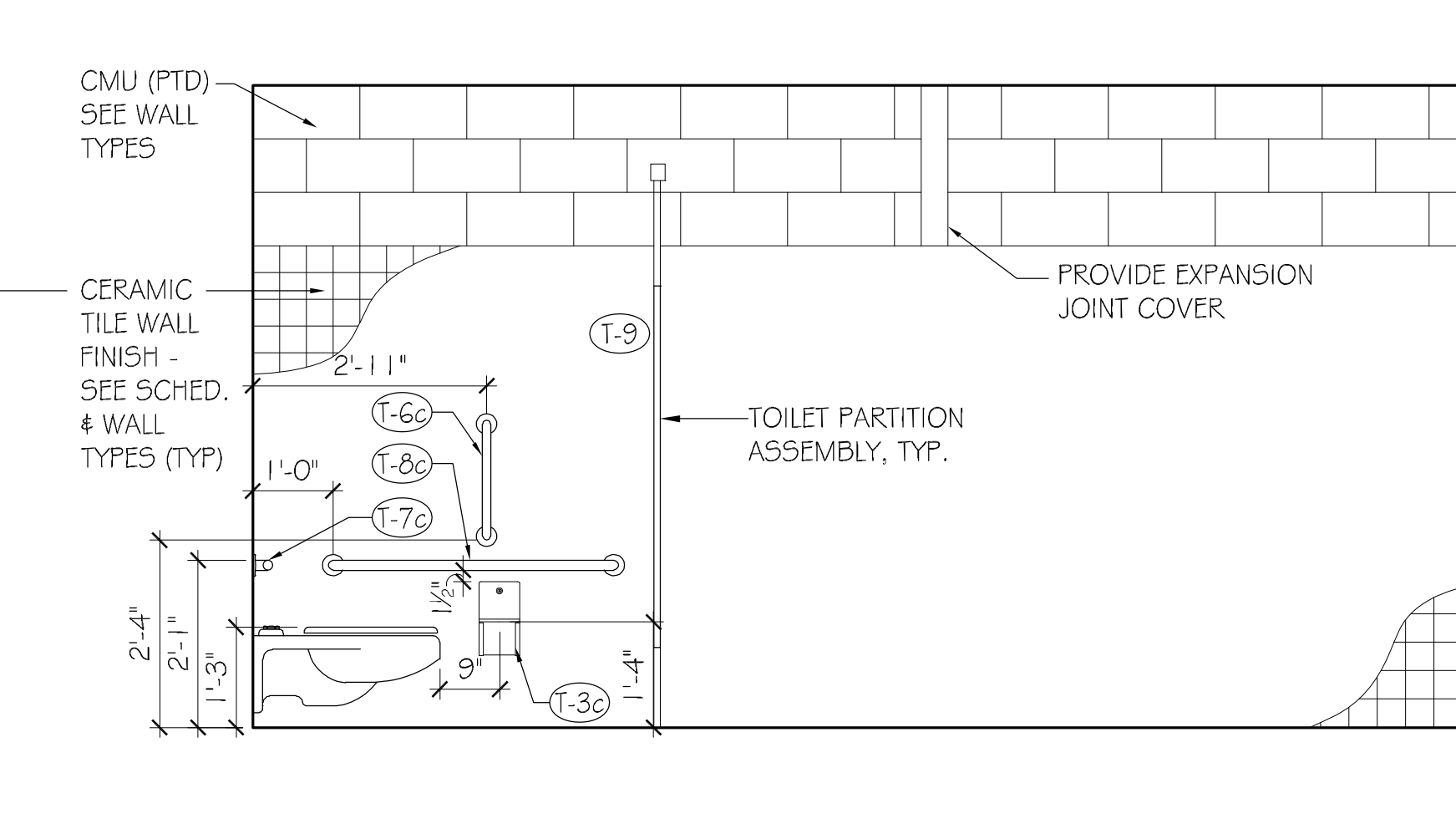
Revision	Description	Date	Revised By



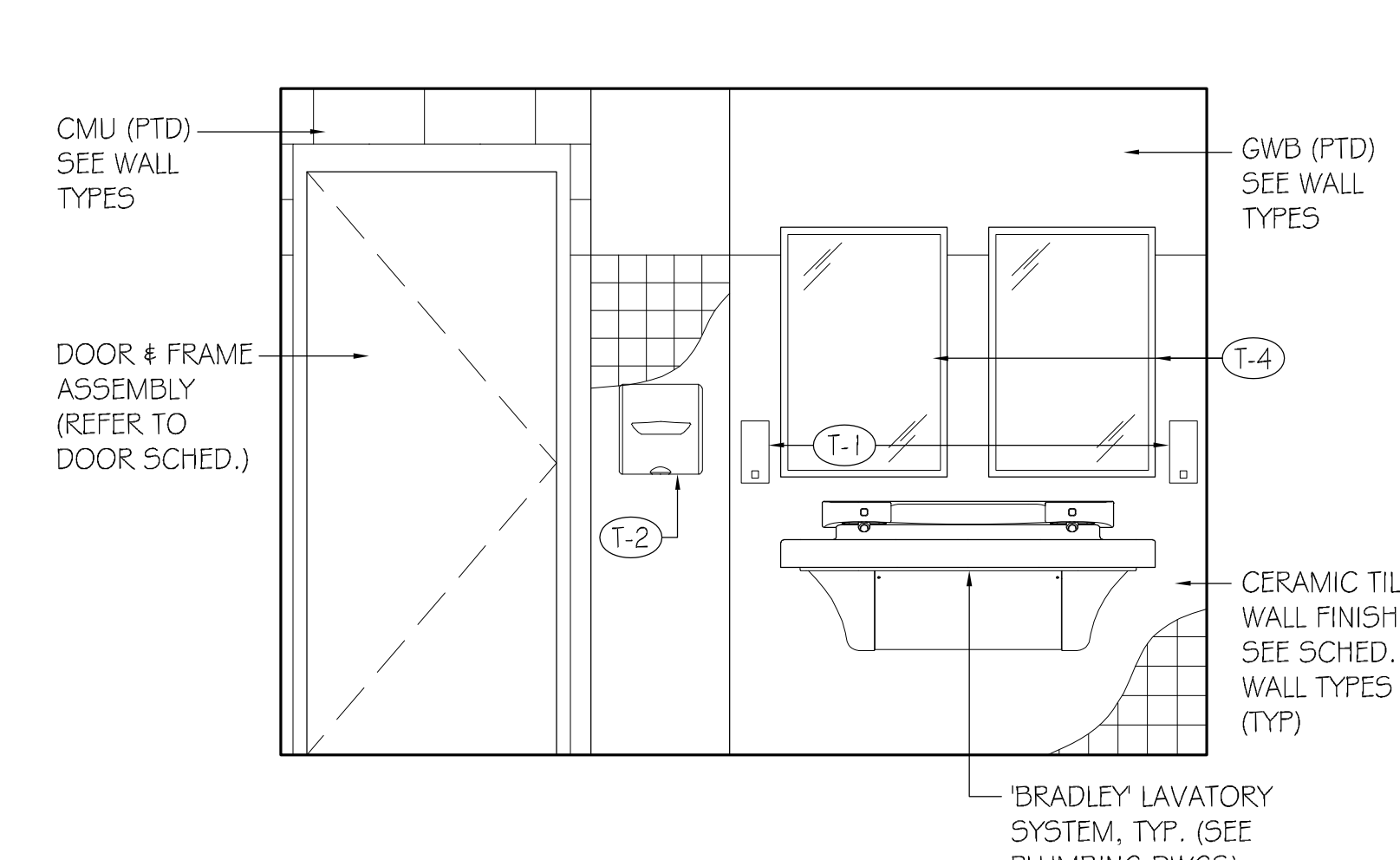
**GIRLS TOILET #157
INTERIOR ELEVATION** 1
SCALE: 1/2" = 1'-0"



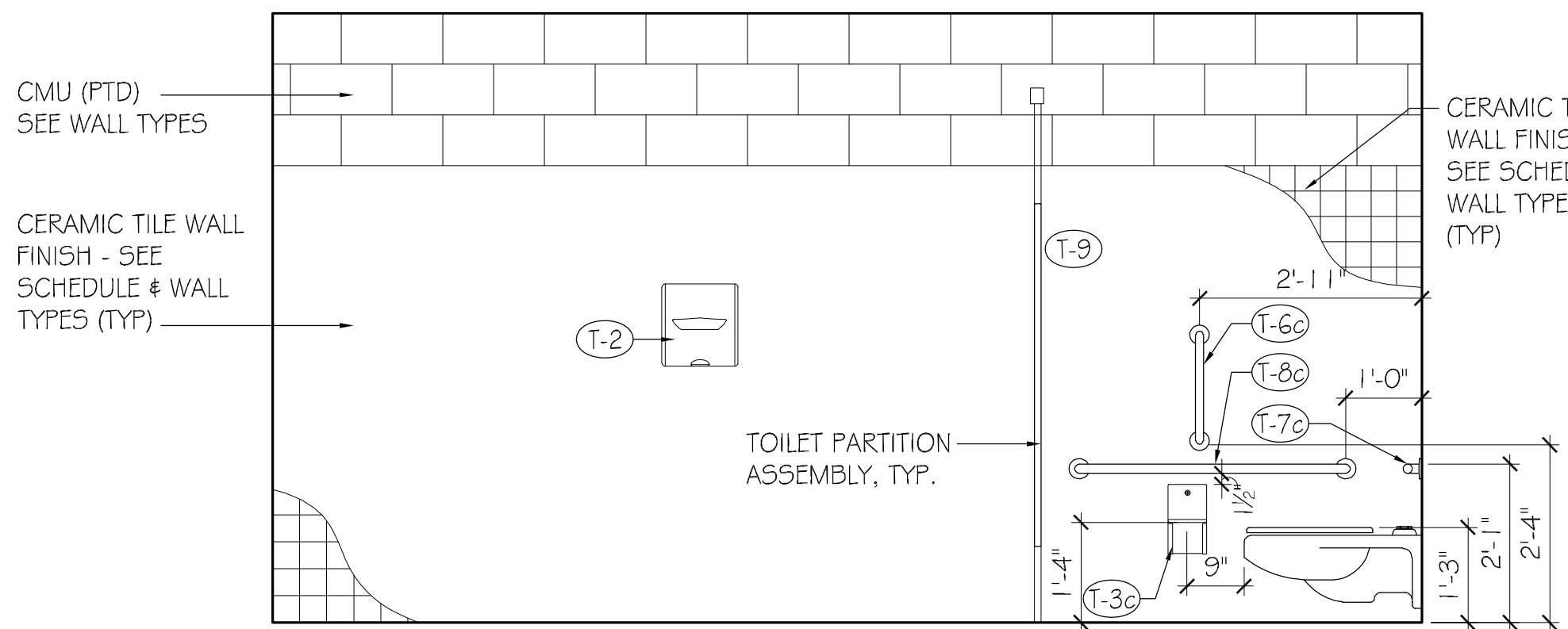
**GIRLS TOILET #157
INTERIOR ELEVATION** 2
SCALE: 1/2" = 1'-0"



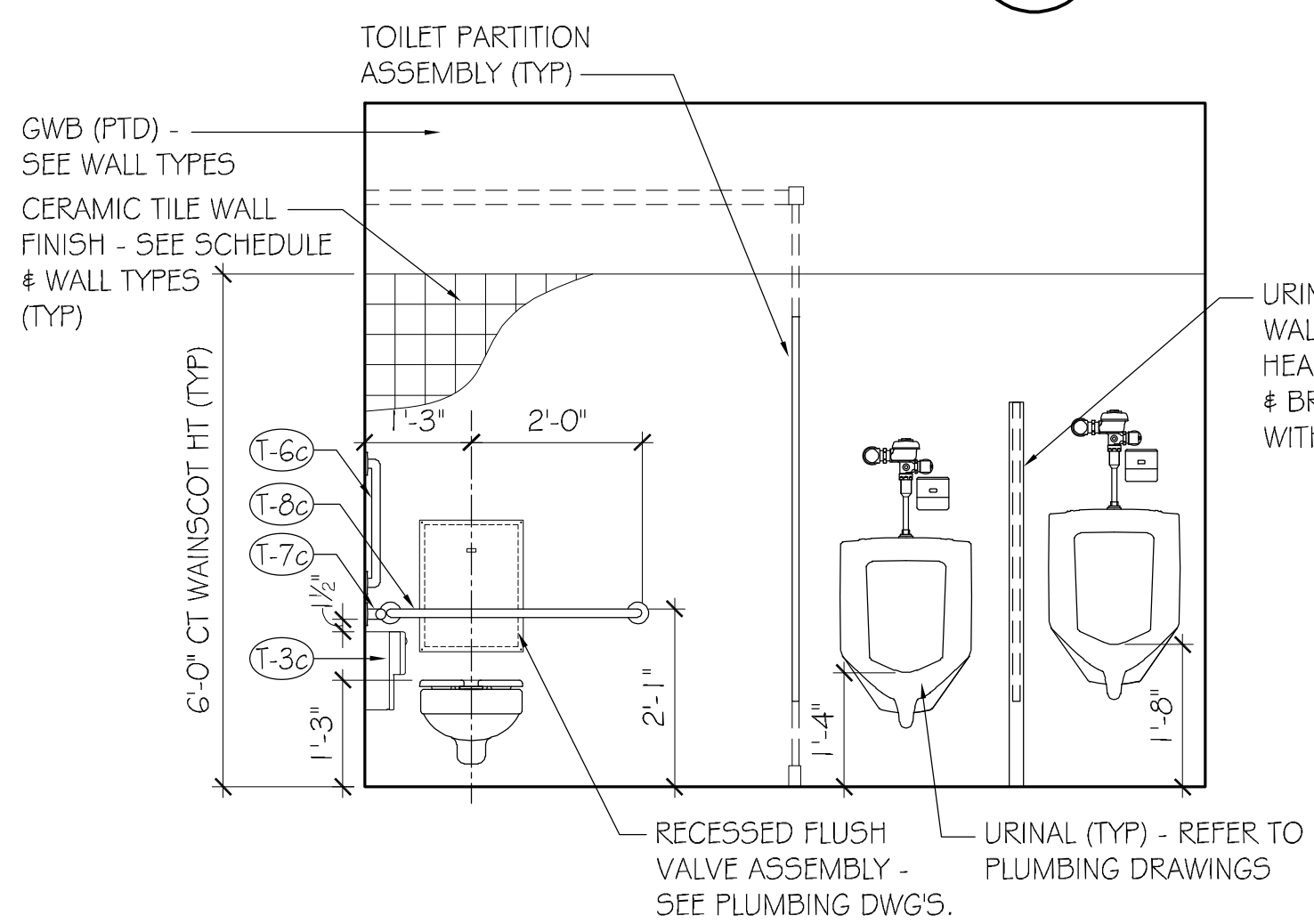
**GIRLS TOILET #157
INTERIOR ELEVATION** 3
SCALE: 1/2" = 1'-0"



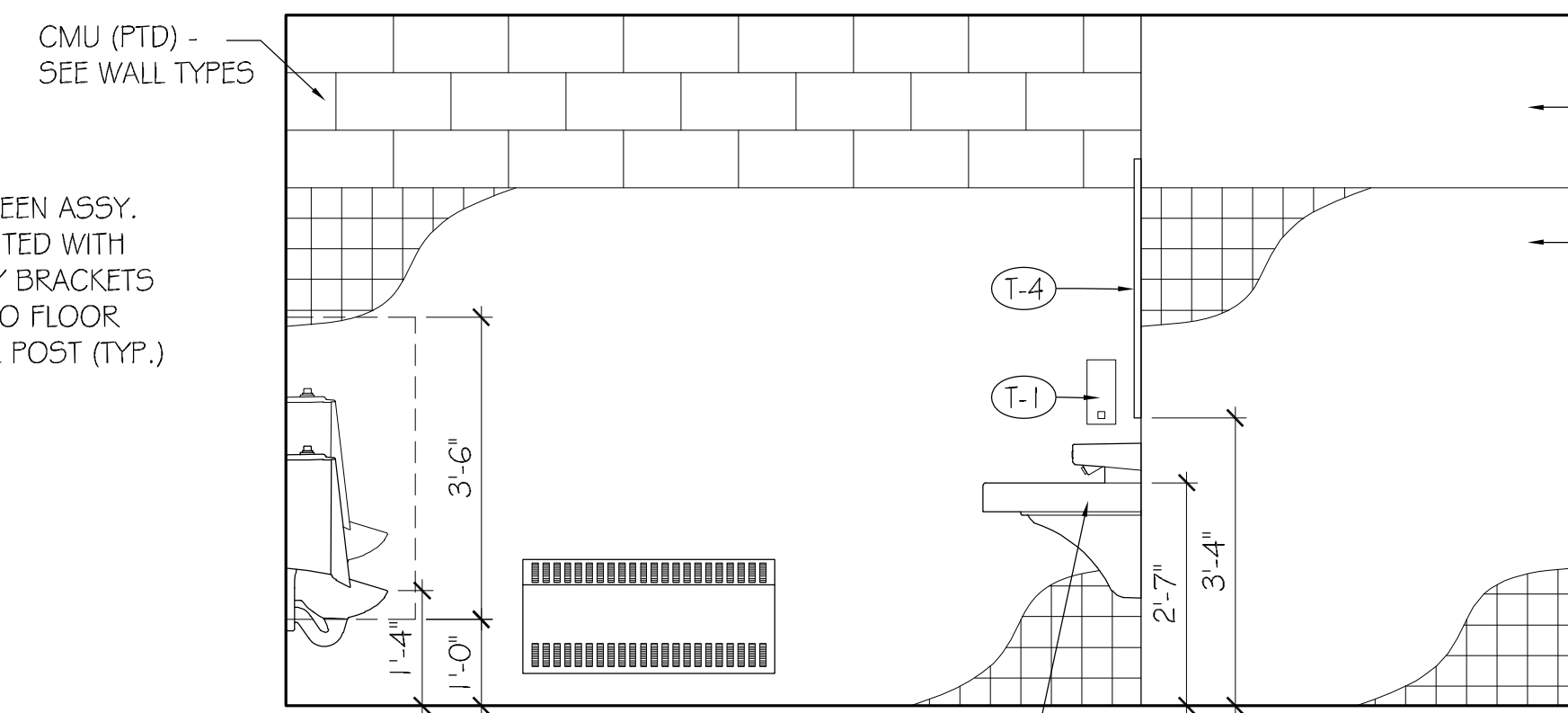
**GIRLS TOILET #157
INTERIOR ELEVATION** 4
SCALE: 1/2" = 1'-0"



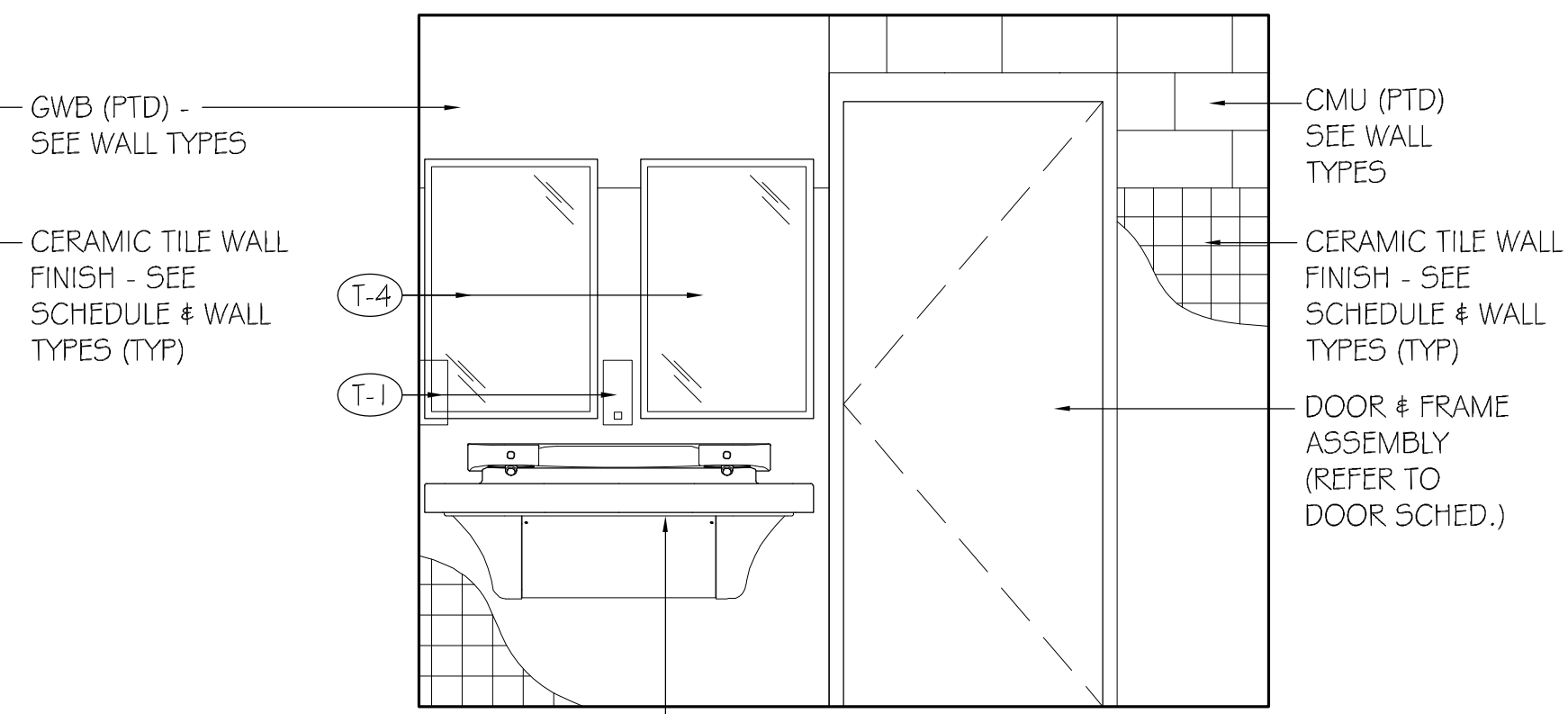
**BOYS TOILET #155
INTERIOR ELEVATION** 5
SCALE: 1/2" = 1'-0"



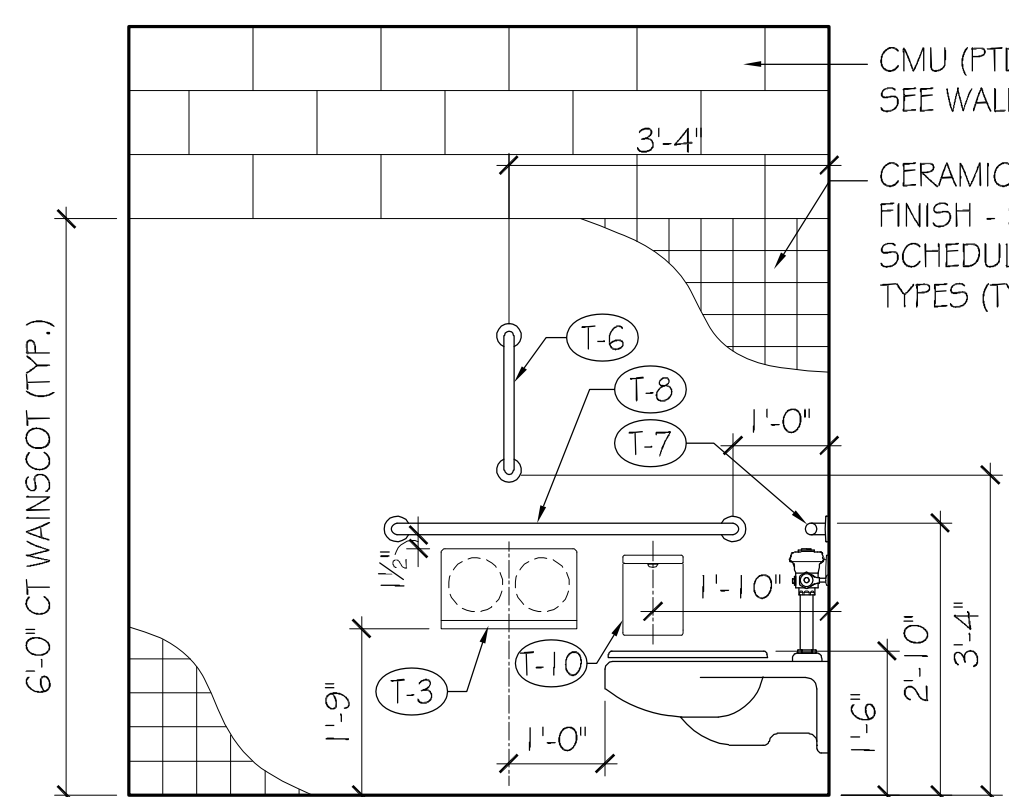
**BOYS TOILET #155
INTERIOR ELEVATION** 6
SCALE: 1/2" = 1'-0"



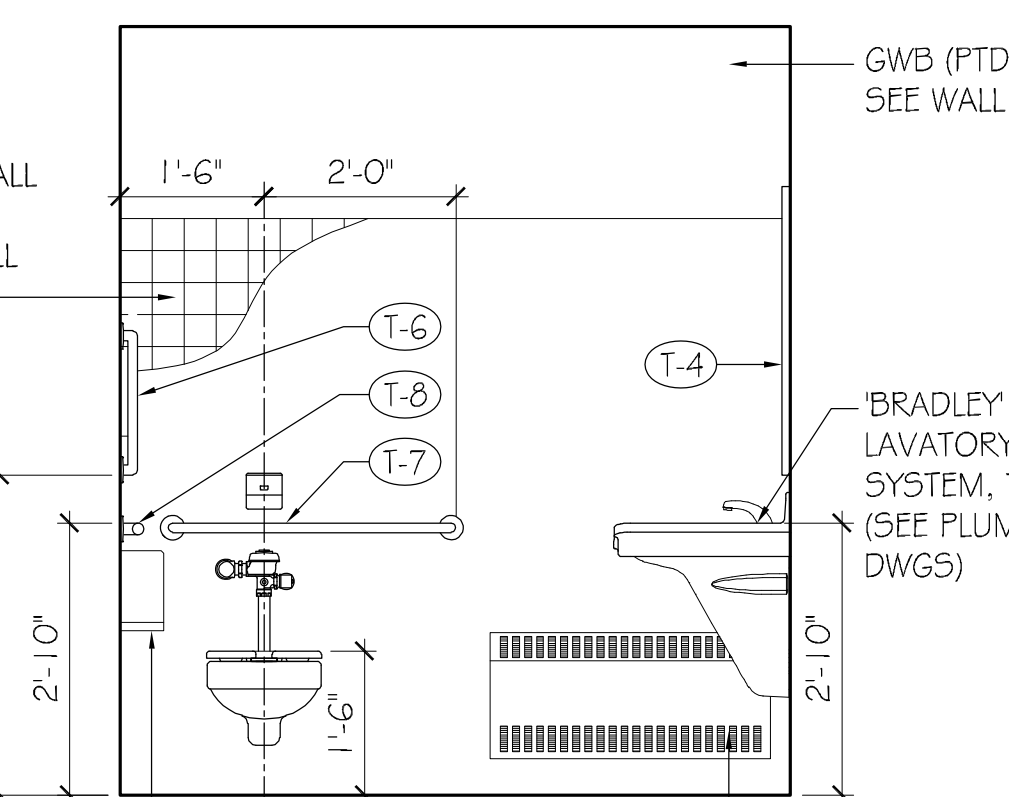
**BOYS TOILET #155
INTERIOR ELEVATION** 7
SCALE: 1/2" = 1'-0"



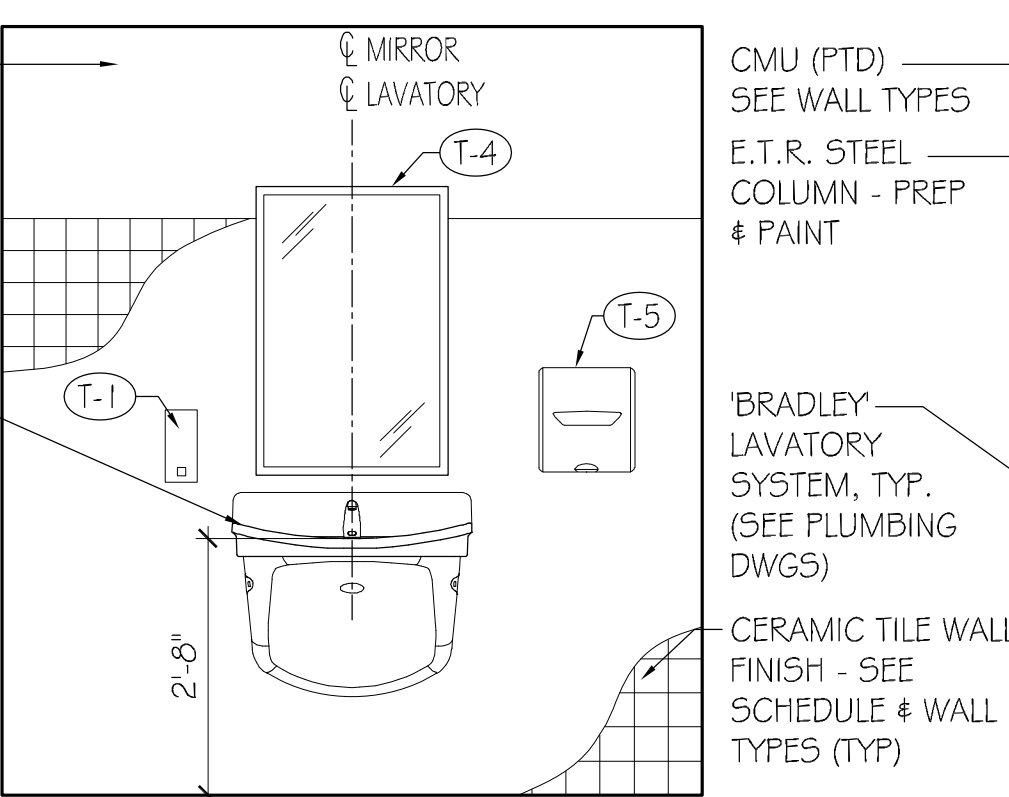
**BOYS TOILET #155
INTERIOR ELEVATION** 8
SCALE: 1/2" = 1'-0"



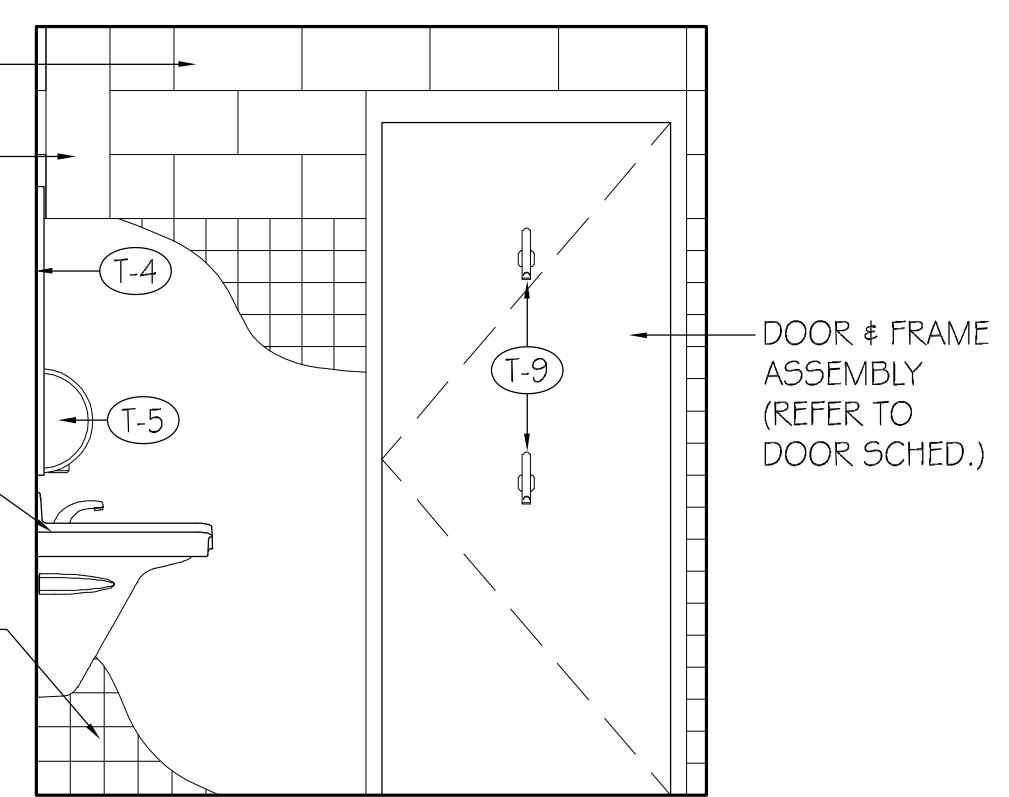
**STAFF TOILET #156
INTERIOR ELEVATION** 9
SCALE: 1/2" = 1'-0"



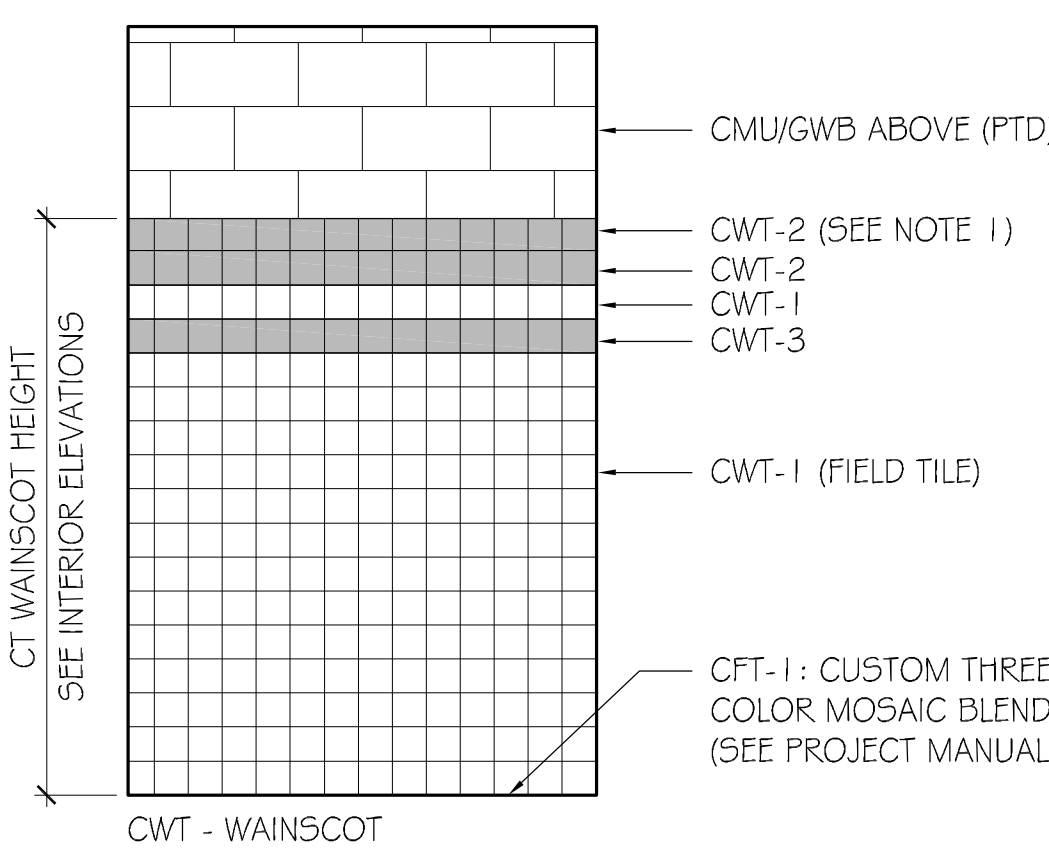
**STAFF TOILET #156
INTERIOR ELEVATION** 10
SCALE: 1/2" = 1'-0"



**STAFF TOILET #156
INTERIOR ELEVATION** 11
SCALE: 1/2" = 1'-0"

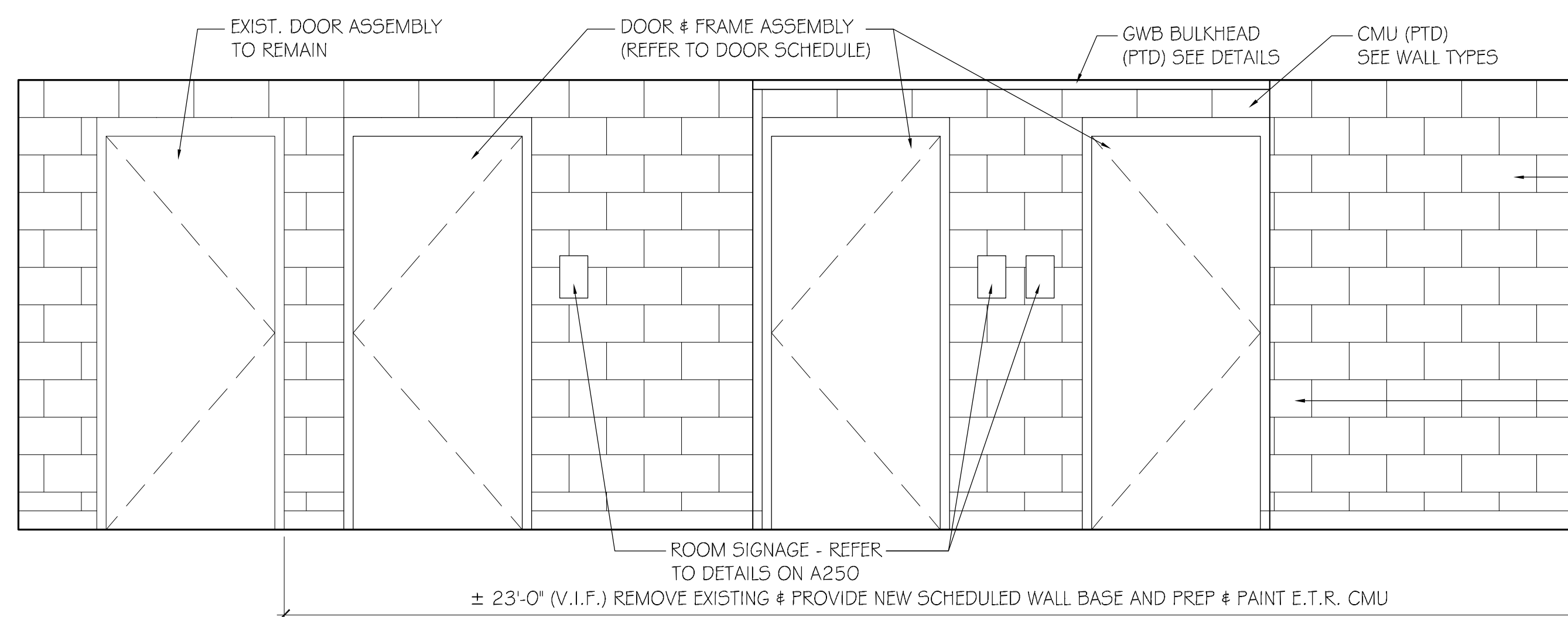


**STAFF TOILET #156
INTERIOR ELEVATION** 12
SCALE: 1/2" = 1'-0"



WALL TILE PATTERN DIAGRAM 13
SCALE: 1/2" = 1'-0"

- NOTES:**
- BULLNOSE TILE REQUIRED ONLY AT WAINSCOT LOCATIONS.
 - MITER BULLNOSE TILES THAT MEET ON OUTSIDE CORNERS.
 - REFER TO PROJECT MANUAL FOR "CWT" COLOR DESIGNATIONS.

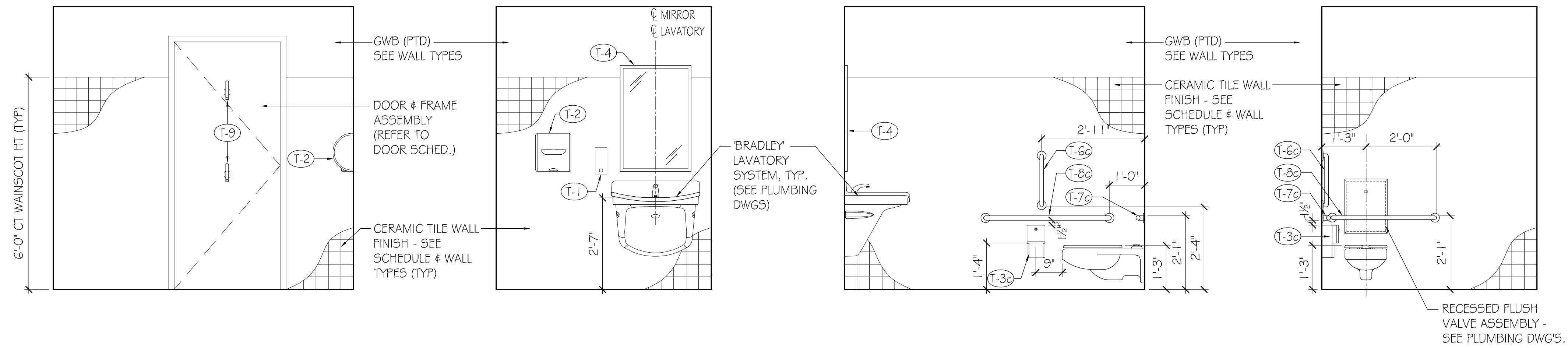


CORRIDOR #153 INTERIOR ELEVATION 14
SCALE: 1/2" = 1'-0"

SCHEDULE OF TOILET ROOM ACCESSORIES			
SYMBOL	ITEM	MOUNTING HEIGHT AFF	REMARKS
(T-1)	SOAP DISPENSER	42" TO OPERABLE PART	NOTE 1
(T-2)	ELECTRIC HAND DRYER	40" TO BOTTOM	CHILD HEIGHT
(T-3)	TOILET TISSUE DISPENSER	2 1/2" TO DISPENSING LOC.	NOTES 1 & 2 (SEE INT. ELEV'S)
(T-3c)	TOILET TISSUE DISPENSER (CHILD)	17" TO DISPENSING LOC.	CHILD HT. (SEE INT. ELEV'S MORE INFO)
(T-4)	24" X 36" MIRROR	40" TO B.O. REFLECTIVE SURFACE	-
(T-5)	ELECTRIC HAND DRYER	44" TO BOTTOM	ADULT HEIGHT
(T-6)	18" GRAB BAR	40" TO BOTTOM (VERT)	ADULT HEIGHT
(T-6c)	18" GRAB BAR (CHILD)	29" TO BOTTOM (VERT)	CHILD HEIGHT
(T-7)	36" GRAB BAR	34" TO TOP	ADULT HEIGHT
(T-7c)	36" GRAB BAR (CHILD)	25" TO TOP	CHILD HEIGHT
(T-8)	42" GRAB BAR	34" TO TOP	ADULT HEIGHT
(T-8c)	42" GRAB BAR (CHILD)	25" TO TOP	CHILD HEIGHT
(T-9)	COAT HOOK	48" & 68" TO CL	PROVIDE (2) CENTERED ON DOOR
(T-9c)	COAT HOOK (CHILD)	40" TO CL	PROVIDE (1) AT EA. TOILET COMP.
(T-10)	SANITARY NAPKIN DISPOSAL	30" TO TOP	-

- TOILET ACCESSORY NOTES:**
- TOILET ACCESSORY IS OWNER FURNISHED, CONTRACTOR INSTALLED.
 - CONTRACTOR MUST CONFIRM THAT THE SIZE & CONFIGURATION OF THE OWNER-FURNISHED TOILET TISSUE DISPENSER HAS THE DISPENSING LOCATION 42" MAXIMUM FROM THE PLUMBING WALL (V.I.F.) AS REQ'D PER ADA.



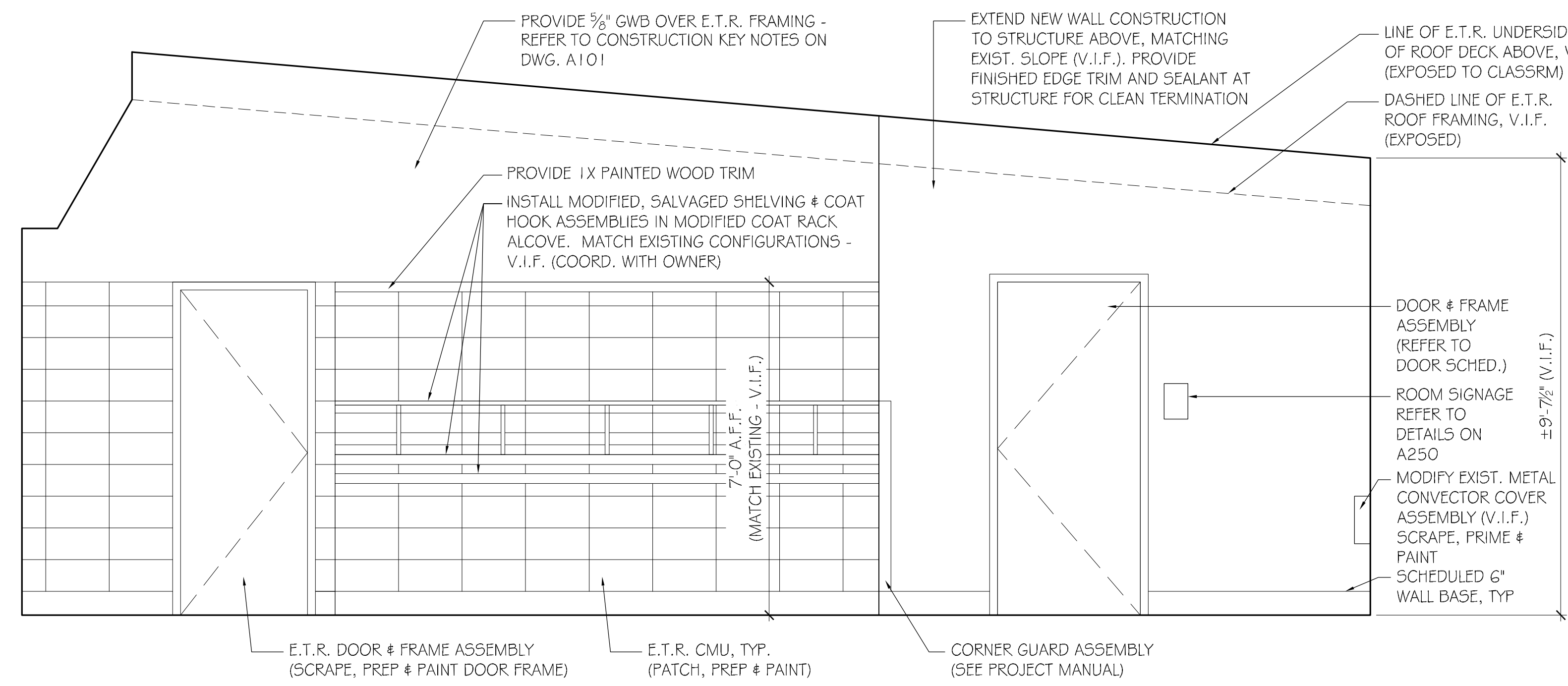


**CLASSROOM TOILET 14A
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" TOILET 15A OPP. HAND **1**
A103

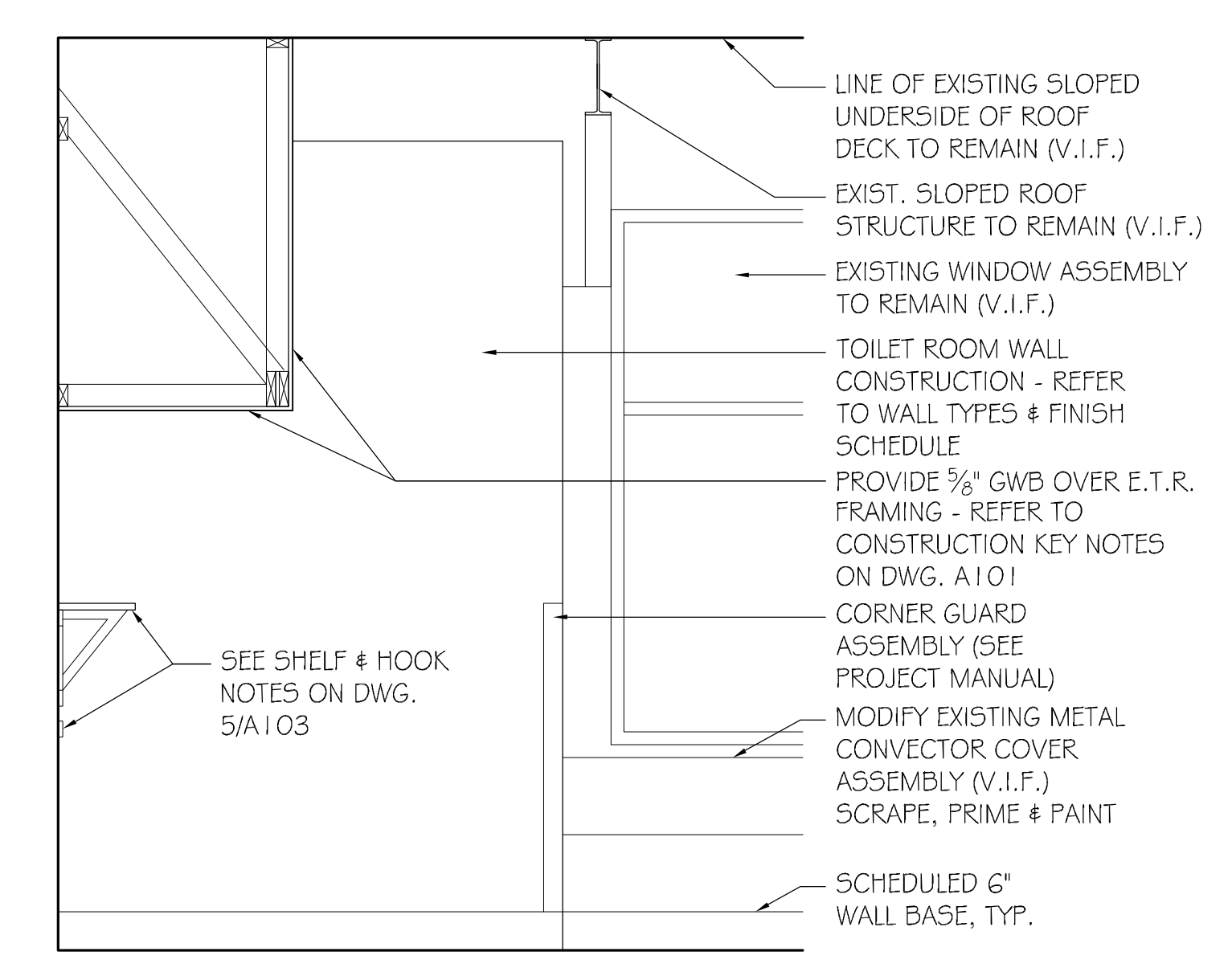
**CLASSROOM TOILET 14A
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" TOILET 15A OPP. HAND **2**
A103

**CLASSROOM TOILET 14A
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" TOILET 15A OPP. HAND **3**
A103

**CLASSROOM TOILET 14A
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" TOILET 15A OPP. HAND **4**
A103



**CLASSROOM 14
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" CLASSROOM 15 OPP. HAND **5**
A103



**CLASSROOM 14
INTERIOR ELEVATION**
SCALE: 1/2" = 1'-0" CLASSROOM 15 OPP. HAND **6**
A103

SCHEDULE OF TOILET ROOM ACCESSORIES			
SYMBOL	ITEM	MOUNTING HEIGHT AFF	REMARKS
(T-1)	SOAP DISPENSER	42" TO OPERABLE PART	NOTE 1
(T-2)	ELECTRIC HAND DRYER	40" TO BOTTOM	CHILD HEIGHT
(T-3)	TOILET TISSUE DISPENSER	21" TO DISPENSING LOC.	NOTES 1 & 2 (SEE INT. ELEV'S)
(T-3c)	TOILET TISSUE DISPENSER (CHILD)	17" TO DISPENSING LOC.	CHILD HT. (SEE INT. ELEV'S MORE INFO)
(T-4)	24" X 36" MIRROR	40" TO B.O. REFLECTIVE SURFACE	-
(T-5)	ELECTRIC HAND DRYER	44" TO BOTTOM	ADULT HEIGHT
(T-6)	18" GRAB BAR	40" TO BOTTOM (VERT)	ADULT HEIGHT
(T-6c)	18" GRAB BAR (CHILD)	29" TO BOTTOM (VERT)	CHILD HEIGHT
(T-7)	36" GRAB BAR	34" TO TOP	ADULT HEIGHT
(T-7c)	36" GRAB BAR (CHILD)	25" TO TOP	CHILD HEIGHT
(T-8)	42" GRAB BAR	34" TO TOP	ADULT HEIGHT
(T-8c)	42" GRAB BAR (CHILD)	25" TO TOP	CHILD HEIGHT
(T-9)	COAT HOOK	48" & 68" TO CL	PROVIDE (2) CENTERED ON DOOR
(T-9c)	COAT HOOK (CHILD)	40" TO CL	PROVIDE (1) AT EA. TOILET COMP.
(T-10)	SANITARY NAPKIN DISPOSAL	30" TO TOP	-

- TOILET ACCESSORY NOTES:**
- TOILET ACCESSORY IS OWNER FURNISHED, CONTRACTOR INSTALLED.
 - CONTRACTOR MUST CONFIRM THAT THE SIZE & CONFIGURATION OF THE OWNER-FURNISHED TOILET TISSUE DISPENSER HAS THE DISPENSING LOCATION 42" MAXIMUM FROM THE PLUMBING WALL (V.I.F.) AS REQD PER ADA.

ROOM FINISH SCHEDULE										
ROOM		FLOOR		WALL FINISH			CEILING		NOTES	
NO.	ROOM NAME	FLR FIN	BASE	NORTH	SOUTH	EAST	WEST	MAT'L	FINISH	
14	CLASSROOM	VCT	RB	GW/B/CMU	-	-	-	ACT-1	-	NOTES 3, 5, 6
14A	TOILET	CFT-1	CWB	CWT/GWB	CWT/GWB	CWT/GWB	CWT/GWB	ACT-1	-	NOTE 3
14B	COAT RACKS	VCT	RB	ETR CMU	-	GW	ETR CMU	GW/B	PT	NOTES 3, 5, 6
14C	CLOSET	VCT	RB	ETR CMU	ETR CMU	ETR CMU	ETR CMU	ETR CMU	PT	PATCH, PREP AND PAINT EXISTING CMU & GLAZED CMU
15	CLASSROOM	VCT	RB	GW/B/CMU	-	-	-	ACT-1	-	NOTES 3, 5, 6
15A	TOILET	CFT-1	CWB	CWT/GWB	CWT/GWB	CWT/GWB	CWT/GWB	ACT-1	-	NOTE 3
15B	COAT RACKS	VCT	RB	ETR CMU	-	GW	ETR CMU	GW/B	PT	NOTES 3, 5, 6
15C	CLOSET	VCT	RB	ETR CMU	ETR CMU	ETR CMU	ETR CMU	ETR CMU	PT	PATCH, PREP AND PAINT EXISTING CMU & GLAZED CMU
153	CORRIDOR	ETR VCT	RB	-	-	-	CMU	ACT-1	-	NOTES 1, 2, 3, 4
154	UTILITY	VCT	RB	-	CMU/GWB	-	-	ACT-1	-	NOTES 1, 3, 4
155	BOYS TOILET	CFT-1	CWB	CWT/CMU	CWT/CMU	CWT/GWB	CWT/CMU	ACT-1	-	NOTE 3
156	STAFF TOILET	CFT-1	CWB	CWT/GWB	CWT/CMU	CWT/GWB	CWT/GWB	ACT-1	-	NOTE 3
157	GIRLS TOILET	CFT-1	CWB	CWT/CMU	CWT/CMU	CWT/GWB	CWT/GWB	ACT-1	-	NOTE 3

GENERAL FINISH NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
- PREP & PAINT NEW & ETR CMU BRICK MASONRY & GWB FINISHES, UNLESS OTHERWISE NOTED.
- PROVIDE EPOXY (HIGH-PERFORMANCE) PAINT FINISHES AT TOILET ROOM LOCATIONS ONLY.

FINISH SCHEDULE LEGEND:

- ACT - ACOUSTICAL CEILING TILE
- ETR - EXISTING TO REMAIN
- CWT - CERAMIC WALL TILE
- CFT - CERAMIC FLOOR TILE
- CWB - CERAMIC WALL BASE
- CMU - CONCRETE MASONRY UNIT (PAINTED)
- GW/B - GYPSUM WALLBOARD (PAINTED)

FINISH SCHEDULE NOTES

- REPLACE EXIST. VCT FLOORING & WALL BASE ALONG CORRIDOR SIDE OF TOILET ROOM WALLS TWO FULL TILES FROM WALL TO MATCH EXISTING (VIF).
- PAINT EXISTING CMU WALLS AT CORRIDOR/LOBBY SIDE OF TOILET ROOM WALLS & EXTEND PAINTING 24" BEYOND AREA OF WORK (COORD WITH EXTENTS SHOWN ON INTERIOR ELEVATIONS) - PROTECT ETR FINISHES & FURNISHINGS (VIF).
- REFER TO WALL TYPES & INTERIOR ELEVATIONS FOR MORE INFORMATION ON EXTENT OF FINISHES.
- REMOVE TWO FULL EXISTING CEILING TILES AT PERIMETER OF TOILET ROOM WALLS AND PROVIDE NEW ACT TO MATCH EXISTING TYPE & SIZE (VIF). TEMPORARILY REMOVE PORTION OF EXISTING SUSPENDED CEILING GRID ASSEMBLY AS REQD TO PROVIDE WORK ABOVE & ADJACENT TO EXISTING CEILING ASSEMBLY. UPON COMPLETION OF ADJACENT/ABOVE CEILING WORK, REINSTALL SUSPENDED CEILING GRID ASSEMBLY AS REQD TO MATCH EXISTING LAYOUT/CONFIGURATION. REPLACE SUSPENDED CEILING GRID ASSEMBLY COMPONENTS THAT CANNOT BE REUSED/REINSTALLED.
- PROVIDE VCT FLOORING AT AREA OF FLOORING REMOVAL IN CLASSROOM TO MATCH EXIST. PORTION TO REMAIN - REMOVAL AND NEW VCT WORK SHALL ALIGN WITH AN EXISTING VCT JOINT (VIF).
- INTENT AT WORK OCCURRING WITHIN CLASSROOMS IS THAT ALL NEW AND EXISTING SUBSTRATES ARE TO BE PREPARED AND PROVIDED WITH PAINTED FINISH. PATCH ALL HOLES WITHIN ETR SUBSTRATES AND PREP TO RECEIVE PAINTED FINISH.

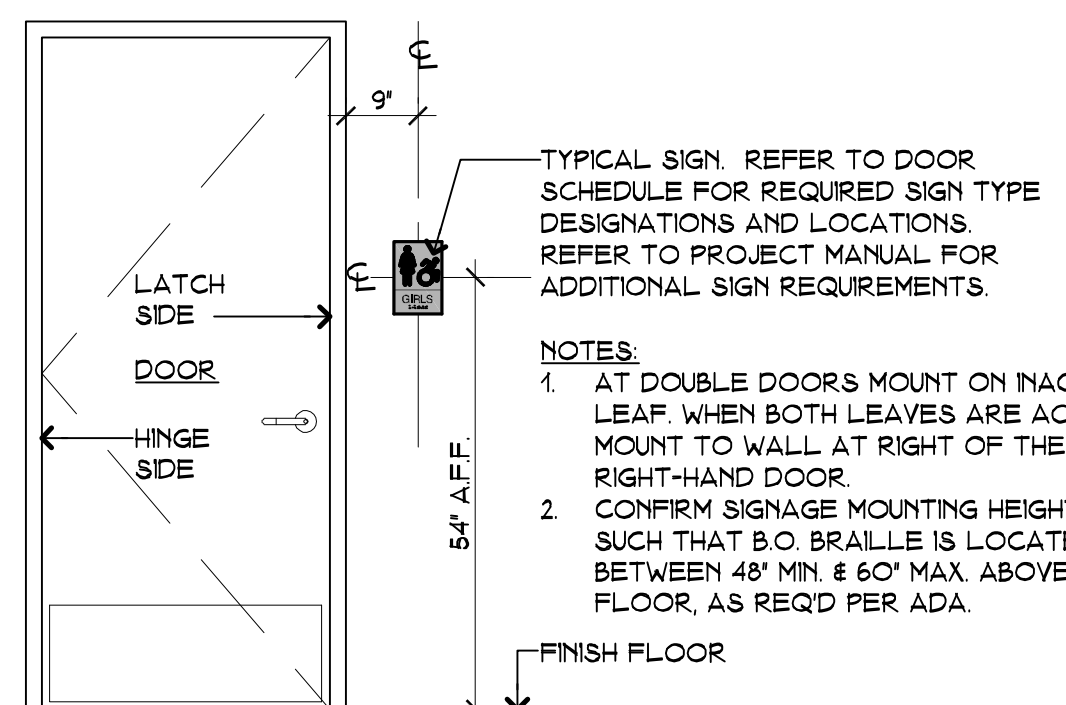
DOOR SCHEDULE																	
			DOOR		FRAME			FIRE		HARDWARE - SEE PROJECT MANUAL		REMARKS					
DOOR NUMBER	ROOM NUMBER	ROOM NAME	SIZE	DOUBLE LEAF DOOR	CABED OPENING	3'-0" X 6'-0" MATCH EXIST HT - VIF	3'-0" X 7'-0" MATCH EXIST HT - VIF	DOOR TYPE - SEE 1/A250	MATERIAL	GLAZING	SEE DWG A250		RATING	FIRE CODE	ACCESSIBILITY REQ'S	REMARKS	
											MATERIAL	HEAD DETAIL					
14A	14	TOILET															
15A	15	TOILET															
155	155	BOYS TOILET															
156	156	STAFF TOILET															
157	157	GIRLS TOILET															

GENERAL DOOR NOTES

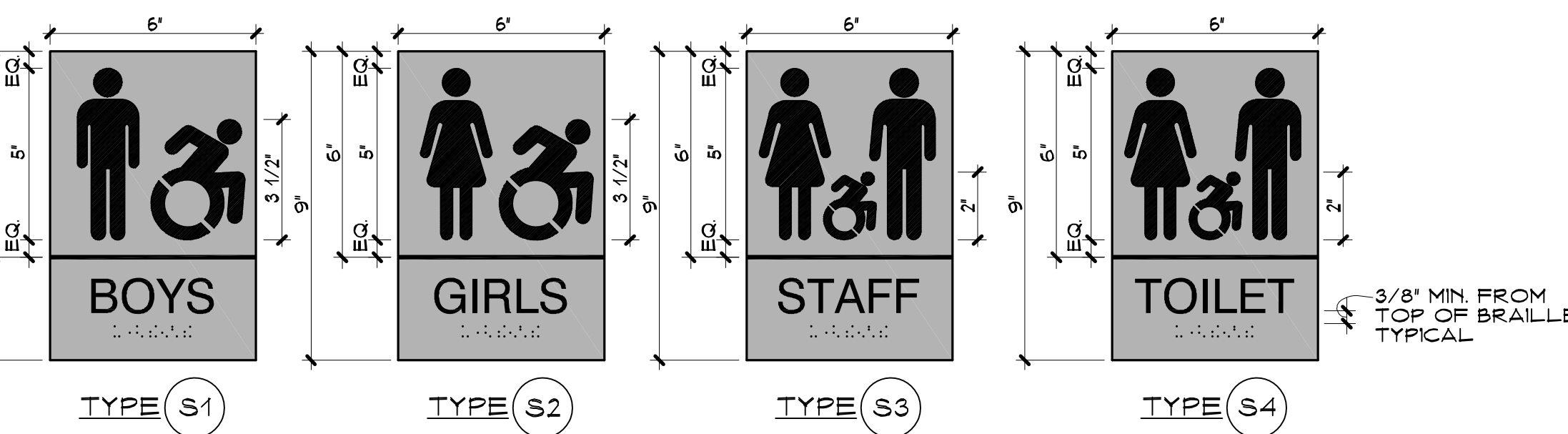
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- PROVIDE 16" HIGH KICK PLATES CENTERED ON DOOR & OFFSET 6" FROM BOTTOM & SIDE EDGES OF DOOR, UNLESS OTHERWISE NOTED. REFER TO PROJECT MANUAL.
- PROVIDE FULLY WELDED METAL DOOR FRAMES AT ALL NEW & EXISTING MASONRY WALL CONSTRUCTION.
- REFER TO PROJECT MANUAL FOR ADDITIONAL DOOR HARDWARE REQUIREMENTS.
- PROVIDE DOOR FRAMES WITH PAINTED FINISH, COLOR SELECTED BY ARCHITECT.
- ROOM SIGNAGE COLOR TO MATCH SCHOOL STANDARD COLOR, AS SELECTED BY ARCHITECT.

SCHEDULE REMARKS

- PROVIDE WOOD DOORS TO MATCH WOOD SPECIES & STAIN COLOR AT ADJACENT EXISTING DOORWAYS, AND PROVIDE FACTORY TRANSPARENT FINISH. SEE PROJECT MANUAL. COLOR & SPECES TO BE APPROVED BY ARCHITECT & OWNER.



TYPICAL SIGNS MOUNTING DETAILS
SCALE: 1/2" = 1'-0"



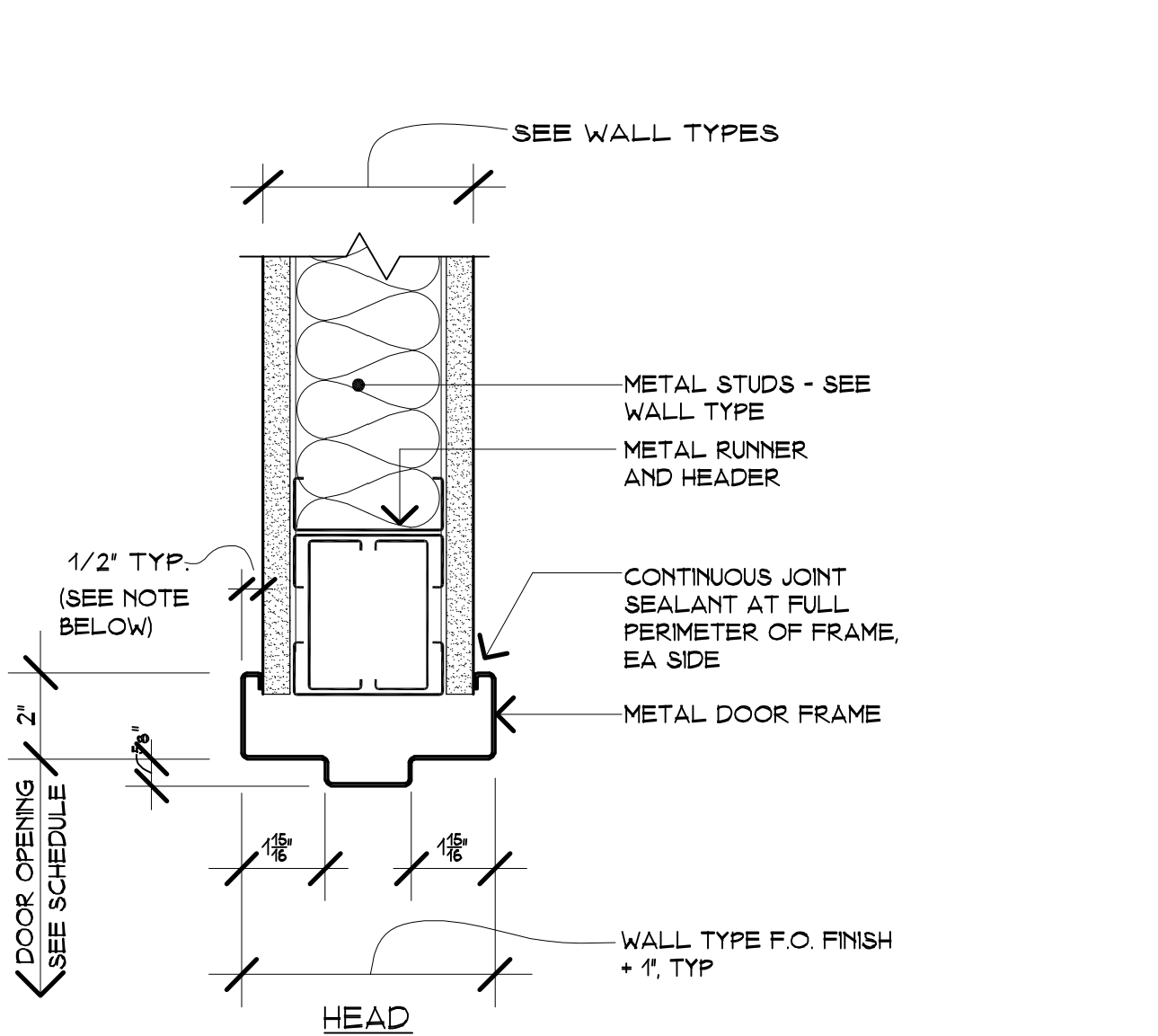
SIGNAGE TYPES
SCALE: 3" = 1'-0"

- SIGNAGE NOTES:**
- SIGNS SHALL COMPLY WITH CURRENT BUILDING CODE, ANSI STANDARDS, ADA REGULATIONS & SUBSEQUENT AND ALL OTHER APPLICABLE REGULATIONS.
 - TEXT ON SIGNS SHALL BE COORDINATED IN FIELD TO REFLECT ROOM USE, AND SHALL BE APPROVED BY ARCHITECT AND OWNER PRIOR TO FABRICATION.
 - REFER TO TYPICAL SIGN DETAIL AND TYPICAL SIGN MOUNTING DETAILS ON THIS DRAWING.
 - SIGNAGE SHALL BE PROVIDED WITH GRADE 2 BRAILLE.

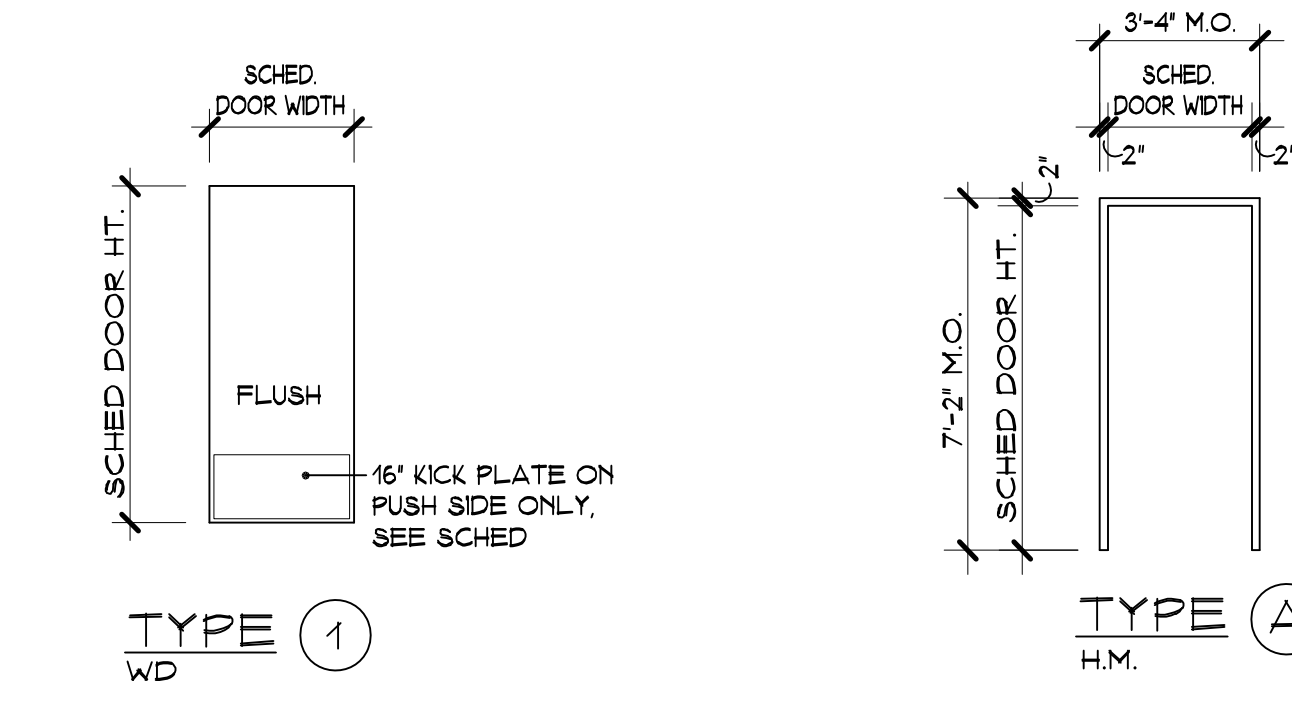


TYP. DOOR HEAD DETAIL
SCALE: 3" = 1'-0"

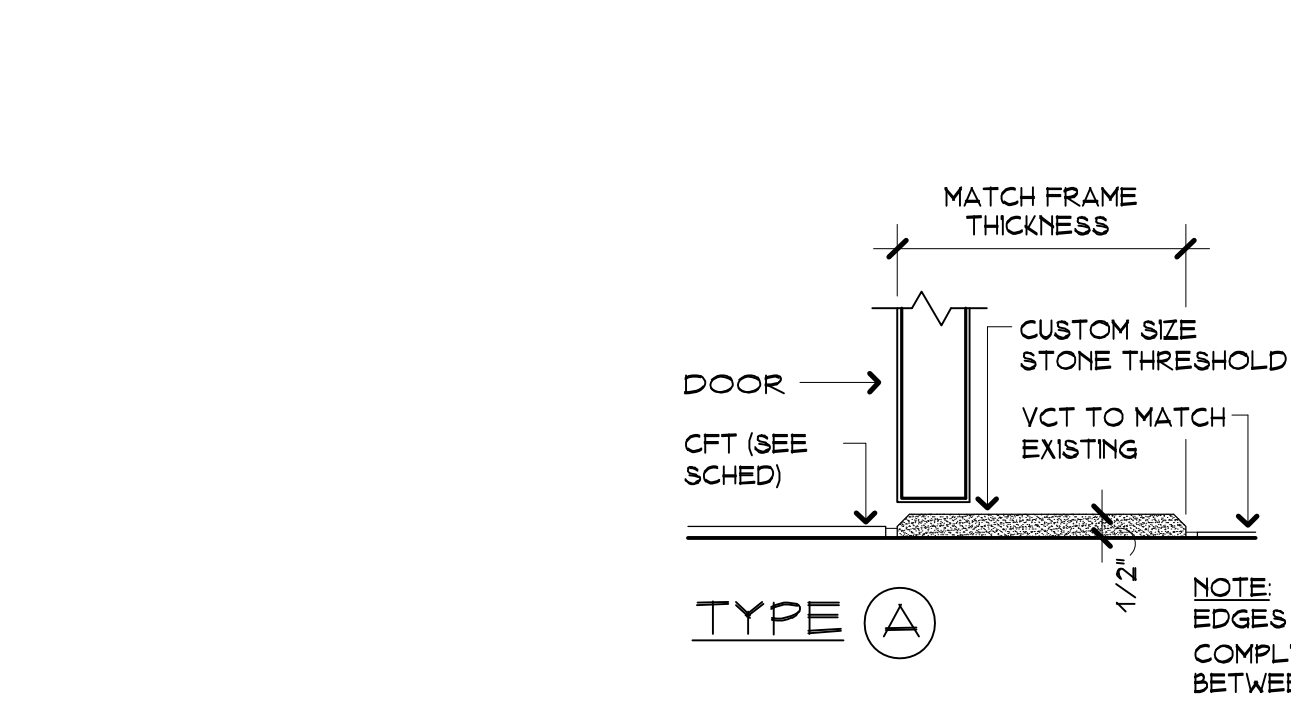
TYP. DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



TYPICAL DOOR DETAILS
SCALE: 3" = 1'-0"



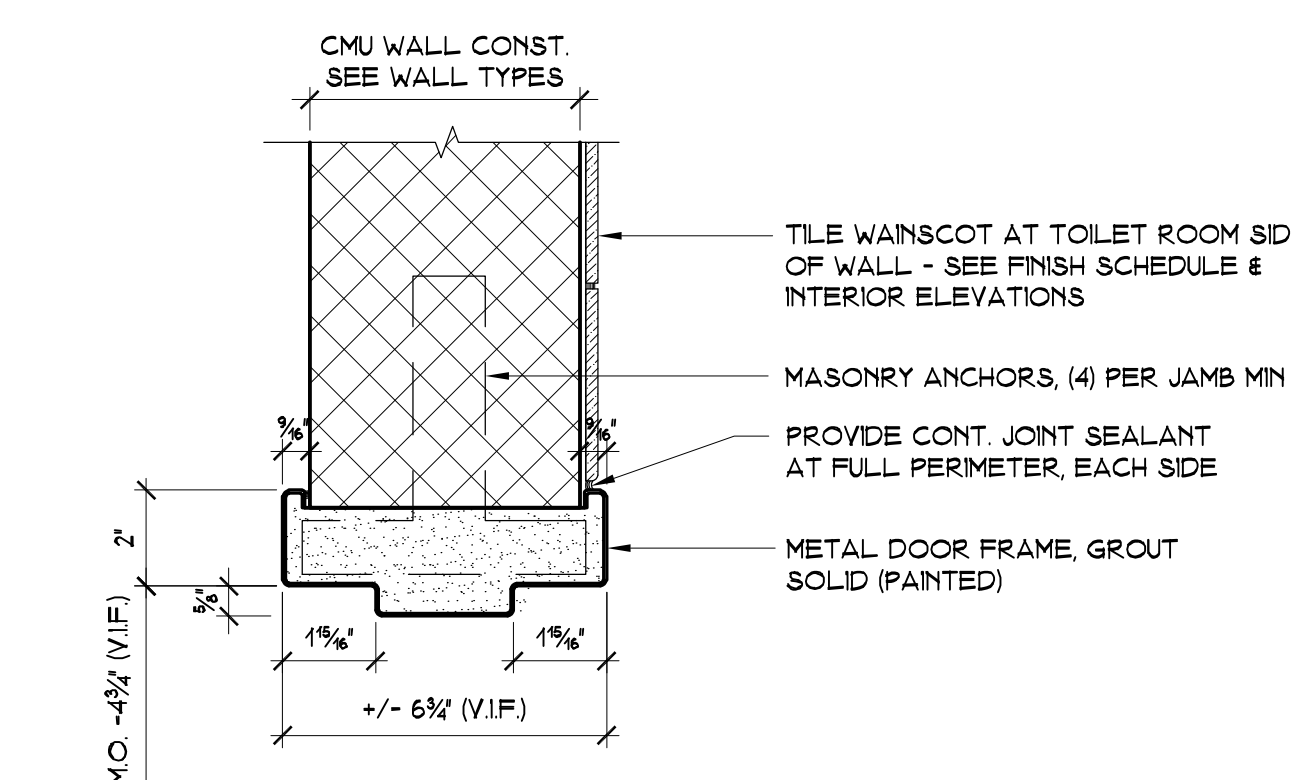
DOOR TYPES
SCALE: 1/4" = 1'-0"



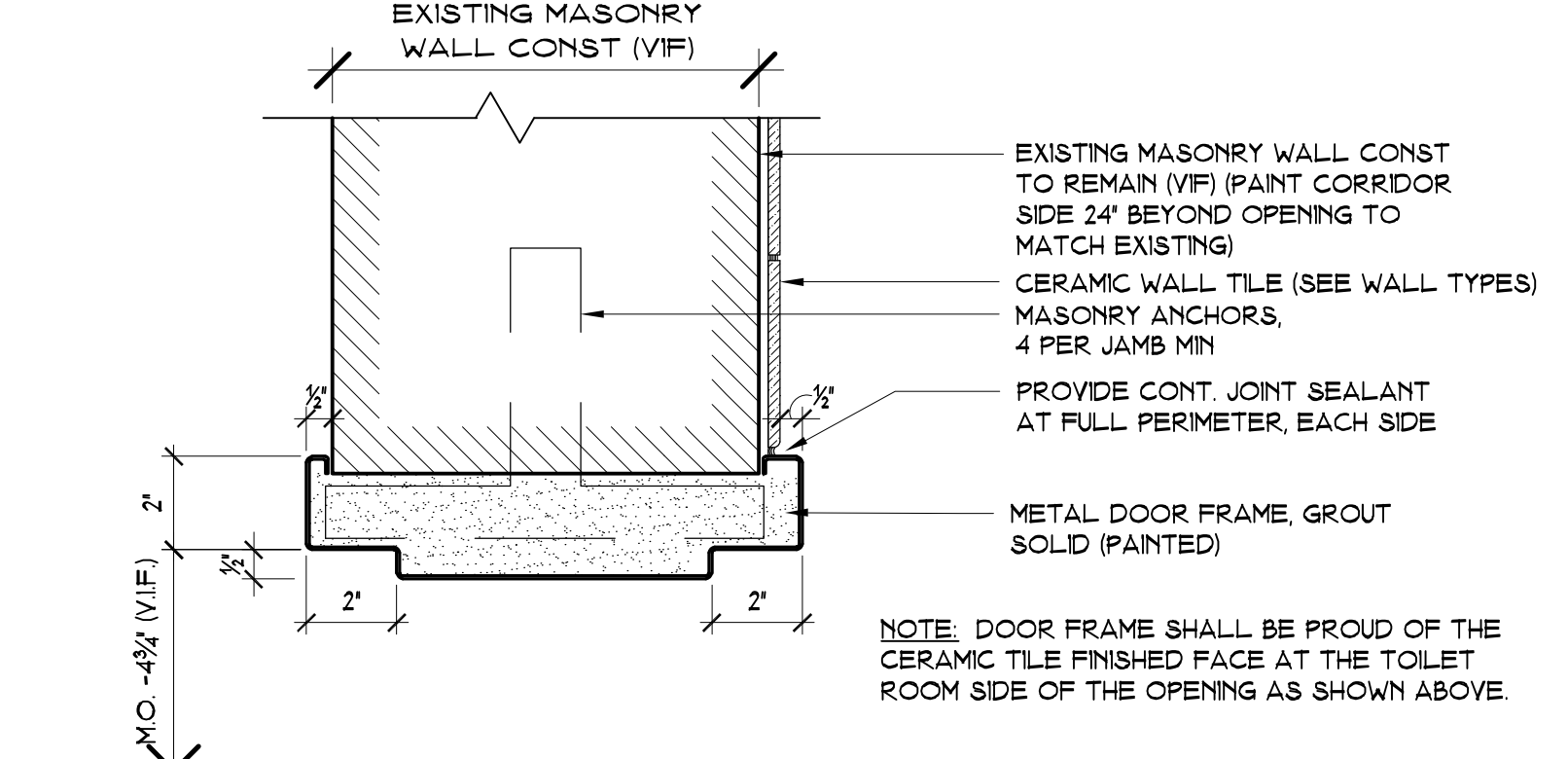
DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"



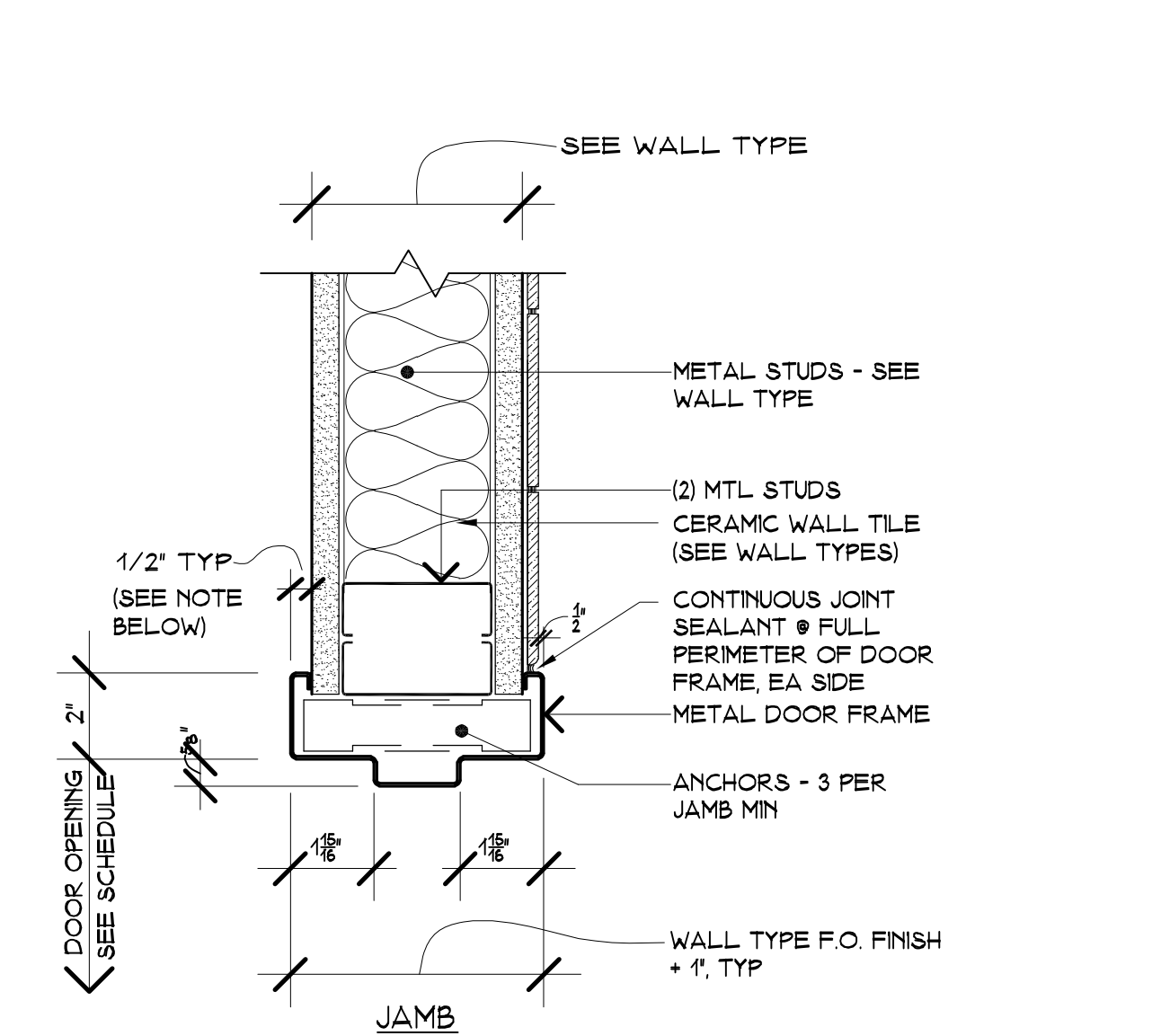
SADDLE DETAILS
SCALE: 3" = 1'-0"



TYP. JAMB DETAIL
SCALE: 3" = 1'-0"



TYP. JAMB DETAIL @ EXIST MASONRY CONSTRUCTION
SCALE: 3" = 1'-0"



TYPICAL DOOR DETAILS
SCALE: 3" = 1'-0"

FIRE PROTECTION GENERAL NOTES

GENERAL

UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS...

FIRE PROTECTION PLANS ARE INTENDED TO INDICATE TOTAL COVERAGE AND MAY OR MAY NOT INDICATE ALL SPRINKLER HEADS...

DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUBCONTRACTOR DOCUMENTS...

WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY...

THE CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH THE LATEST ARCHITECTURAL REFLECTED CEILING PLANS...

IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO PROVIDE FOR FINISHED WORK, TESTED AND READY FOR OPERATION.

THE DESIGN OF ALL FIRE SUPPRESSION SYSTEMS WILL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE, NFPA 13 FM GLOBAL USE ONLY UL/FM SPRINKLERS...

CONCEALED SPRINKLERS AND PIPING SHALL BE INSTALLED IN AREAS WITH FINISHED CEILINGS, AREAS WITH EXPOSED CONSTRUCTION SHALL HAVE EXPOSED PIPING AND SPRINKLERS (CUSTOM COLOR).

THE SPRINKLER CONTRACTOR IS REQUIRED TO VISIT THE SITE AT THE TIME OF BID, TO EXAMINE CONDITIONS AND BECOME FAMILIAR WITH THE JOB, NOTING DEGREE OF DIFFICULTY IN GETTING EQUIPMENT...

NOTIFY PROPER AUTHORITIES INCLUDING BUT NOT LIMITED TO, THE LOCAL A.H.J., INSURANCE COMPANY, ETC.) OF ANY FIRE PROTECTION 'SHUT DOWNS'...

ARRANGE PIPING TO FACILITATE FLUSHING, PROVIDE READILY ACCESSIBLE DRAIN AND FLUSHING CONNECTIONS AS REQUIRED BY NFPA 13.

INSPECTORS TEST CONNECTIONS, DRAIN VALVES AND CONTROL VALVES SHALL BE READILY ACCESSIBLE AND INSTALLED NOT OVER +/-7'-0" ABOVE THE FINISHED FLOOR.

VALVES, PIPE ALL DRAIN PIPING, INSPECTORS TEST CONNECTIONS, ETC. TO THE EXTERIOR, ENSURE DRAINAGE DOES NOT CAUSE DAMAGE TO BUILDING OR SITE.

INSTALL A PRESSURE GAUGE WITH A BLEEDER MAINTENANCE VALVE AT THE TOP OF ALL RISERS.

PROVIDE A HEAD GUARD ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE (IE, SPRINKLERS IN MECHANICAL ROOMS, ETC.)

REFER TO ADDITIONAL NOTES ON ARCHITECTURAL DRAWINGS. THE CONTRACTOR SHALL COORDINATE SPRINKLER WORK WITH THE OWNER'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF ANY WORK.

THE CONTRACTOR SHALL PROVIDE COMPLETE SIGNED AND SEALED (BY LICENSED P.E.) DRAWINGS INDICATING ALL PIPING AND SPRINKLER HEADS, CONTRACTOR SHALL SECURE AND PAY COSTS OF PERMITS, CERTIFICATES, LICENSES, INSPECTIONS AND APPROVALS.

INSTALL SPRINKLERS BELOW DUCTS, AND/OR COMBINATIONS OF DUCTS/EQUIPMENT IN ACCORDANCE WITH THE OBSTRUCTION REQUIREMENTS OF NFPA 13.

PROVIDE SPRINKLER PROTECTION IN ORDER TO AVOID ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13, INCLUDING LIGHTING, CEILING FIXTURES, STRUCTURAL MEMBERS, ETC.

ALL DRAIN PIPING AND ANY PIPING SUBJECT TO ALTERNATE WETTING AND DRYING SHALL BE GALVANIZED.

ALL SYSTEM COMPONENTS SHALL BE CAPABLE OF WITHSTANDING A MINIMUM WORKING PRESSURE OF 175 PSI.

THE CONTRACTOR SHALL SEAL AROUND ALL NEW PENETRATIONS THROUGHOUT THE BUILDING WITH SEALANT OF FIRE AND/OR SMOKE RETARDANT TYPE EQUAL IN FIRE RATING TO THE STRUCTURE BEING PENETRATED.

WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS, PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS.

PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.

WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS.

STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION NOT SPECIFICALLY PROVIDED BY OTHERS BUT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

ALTERATION WORK AND DEMOLITION EXISTING PIPING AND SPRINKLERS SHOWN DO NOT NECESSARILY REFLECT EXACT FIELD CONDITIONS.

ALL EQUIPMENT, PIPING, ETC. TO BE REMOVED SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER.

NO EXISTING PIPE MAY BE CUT OR DAMAGED WHEN ENCOUNTERED ALONG ROUTE DESIGNED FOR NEW SERVICE, ANY EXISTING PIPING SEVERED OR DAMAGED SHALL BE REPLACED INCLUDING DAMAGED AREAS.

UPON COMPLETION OF REMOVALS AND MODIFICATIONS, ALL PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL SYSTEMS TO REMAIN REMAIN OPERATIONAL.

ENDS SHALL BE LEFT ON ANY PIPING SYSTEMS UPON COMPLETION OF WORK.

EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED.

ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK.

RE-ROUTE OR REMOVE ALL EXISTING PIPING AND SYSTEMS RETURNED FROM ENGINEER EITHER 'REVIEWED' OR 'FURNISH AS CORRECTED' PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.

COORDINATION DRAWINGS DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.

SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW.

AFTER SHEET METAL, AND PIPING DRAWINGS HAVE BEEN RECEIVED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK.

- MECHANICAL SHEET METAL
-PLUMBING PIPING
-MECHANICAL PIPING
-SPRINKLER PIPING
-ELECTRICAL WORK

AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS.

THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS, THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY.

SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW, ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY.

WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL ASK FOR AND OBTAIN A WRITTEN CLARIFICATION FROM THE ENGINEER PRIOR TO SUBMITTING HIS BID.

ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS AT NO ADDITIONAL COST TO THE OWNER.

EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.

AS-BUILT DRAWINGS PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS.

NO EXISTING PIPE MAY BE CUT OR DAMAGED WHEN ENCOUNTERED ALONG ROUTE DESIGNED FOR NEW SERVICE, ANY EXISTING PIPING SEVERED OR DAMAGED SHALL BE REPLACED INCLUDING DAMAGED AREAS.

INCLUDE ALL CHANGES OF ALL DEVIATIONS BETWEEN THE WORK INDICATED AND THE WORK INSTALLED INCLUDING APPROVED CONTRACT MODIFICATIONS AND SUBSTITUTIONS.

INDICATE VALVES AND CONTROL DEVICES LOCATED AND NUMBERED COORDINATED WITH SUBMITTED VALVE CHARTS, SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

PROVIDE AND INSTALL ACCESS DOORS FOR EACH VALVE, DRAIN, OR FIRE PROTECTION DEVICE REQUIRING ACCESS, ACCESS DOORS SHALL BE RIGID CONSTRUCTION WITH TWO HINGES AND A LATCH, IN PLENUM CEILINGS, PROVIDE FELT BETWEEN THE DOOR AND FRAME TO MAKE AN AIR TIGHT SEAL.

ACCESS DOOR SIZES SHALL BE: 12" X 12" AT EASILY ACCESSIBLE ITEMS, 16" X 16" WHERE PARTIAL BODY ACCESS IS REQUIRED, 24" X 24" WHERE FULL BODY ACCESS IS REQUIRED.

HANGERS AND SUPPORT SPRINKLER PIPING IN A SUBSTANTIAL MANNER FROM BUILDING STRUCTURE, AND INDEPENDENT OF THE CEILING SYSTEM.

SEISMIC RESTRAINT, PROVIDE SEISMIC RESTRAINT AND EXPANSION OF ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS, OWNER'S INSURANCE COMPANY, STATE, FEDERAL AND LOCAL BUILDING CODE REQUIREMENTS.

PROVIDE ALL NECESSARY STRUCTURAL MEMBERS INCLUDING ADDITIONAL STRUCTURAL SUPPORT TO SUPPORT PIPING AND EQUIPMENT, HANGERS AND SUPPORTS SHALL BE OF AN APPROVED DESIGN NECESSARY TO SUPPORT PIPING.

ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED, HANGERS SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS SHALL BE SECURED TO THE BUILDING STRUCTURE.

PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO EXPANSION, ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED.

PROVIDE ADDITIONAL SUPPORT FOR PIPING AND EQUIPMENT WHEN DECK IS NOT CAPABLE OF SUPPORT.

BEAM CLAMPS - HANGERS SUPPORTED FROM STEEL SHALL BE CENTER LOADING BEAM CLAMPS FOR HANGERS SUPPORTING PIPING 2 INCHES, FOR PIPING 2-1/2 INCHES AND LARGER, I BEAM CLAMPS SHALL BE FORGED STEEL.

ALL HANGERS AND SUPPORTS SHALL BE HOT DIPPED GALVANIZED, ALL THREADED ROD AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.

PROVIDE AND INSTALL EXPANSION COMPENSATION FOR ALL PIPING, SUBMIT PLANS, CALCULATIONS AND EQUIPMENT DATA.

FIRE PROTECTION DESIGN CRITERIA

WORK STARTS AT AREAS INDICATED, INCLUDING BUT NOT LIMITED TO REMOVAL OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. AND INSTALLATION OF NEW SPRINKLER HEADS, SPRINKLER PIPING OFFSETS, ETC. AS NECESSARY TO PROVIDE COMPLETE SPRINKLER PROTECTION IN THE RENOVATED AREAS.

THE DESIGN OF ALL FIRE SUPPRESSION SYSTEMS WILL BE IN ACCORDANCE WITH THE 2005 STATE OF CONNECTICUT BUILDING & FIRE CODE, LOCAL CODE AND THE OWNER'S INSURANCE COMPANY REQUIREMENTS, USE ONLY UL/FM APPROVED SPRINKLERS, MATERIALS AND DEVICES, ETC.

CONTRACTOR RESPONSIBLE FOR DOCUMENTING SIZE AND LENGTH OF EXISTING WATER SUPPLY INCLUDING SIZE OF ANY EXISTING FIRE PUMP ETC. AS NECESSARY IN ORDER TO SUBMIT A COMPLETE DESIGN.

THE CONTRACTOR SHALL PROVIDE SPRINKLER COVERAGE OF ALL SPACES FORMED OF CONCEALED COMBUSTIBLE CONSTRUCTION.

USE OF HEAD SPACING OFF WALL IN EXCESS OF 7'-6", ETC. (AS NOTED IN NFPA 13) IS NOT PERMITTED.

CONTRACTOR TO SUBMIT UNIT COST PER SPRINKLER HEAD (INCLUDING: PIPING, FITTINGS, HANGERS, SPRINKLER HEAD, LABOR, ETC.) INSTALLED AND OPERATIONAL WITH BID IN ACCORDANCE WITH THE GENERAL CONDITIONS.

DESIGN CRITERIA FOR PIPE SCHEDULE SYSTEMS: LIGHT HAZARD AREAS: OFFICES, HALLWAYS, LOBBIES, ETC. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 196 SQ.FT.

ORDINARY HAZARD (GROUP II) AREAS: MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC., MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT.

ALL FIRE PROTECTION EQUIPMENT SHALL BE FM APPROVED AND UL-LISTED, EQUIPMENT SHALL CONFORM TO THE CORRESPONDING FM GLOBAL DATA SHEETS.

FIRE PROTECTION ABBREVIATIONS

Table with columns ABBREVIATION and DESCRIPTION. Rows include A.F.F. ABOVE FINISHED FLOOR, A.F.G. ABOVE FINISHED GRADE, B.F.F. BELOW FINISHED FLOOR, B.V. BUTTERFLY INDICATING VALVE, BLDG BUILDING, CONT CONTINUED, CV CHECK VALVE, DIA. DIAMETER, DN DOWN, DWG DRAWING, EA EACH, EX EXISTING, FF FINISHED FLOOR, F.F.E. FINISHED FLOOR ELEVATION, FLR. FLOOR, FT FEET, GPM GALLONS PER MINUTE, MAX. MAXIMUM, MIN. MINIMUM, MISC. MISCELLANEOUS, NC NORMALLY CLOSED, NFPA NATIONAL FIRE PROTECTION ASSOCIATION, NIC NOT IN CONTRACT, NO NORMALLY OPEN, NTS NOT TO SCALE, OSY OUTSIDE SCREW AND YOKE, PSI POUNDS PER SQUARE INCH, RAD RADIUS, SF SQUARE FEET, SS SANITARY SEWER STACK, TB THRUST BLOCK, TYP TYPICAL, UO/N UNLESS OTHERWISE NOTED, VIF VERIFY IN FIELD.

FIRE PROTECTION SYMBOL LEGEND

Table with columns SYMBOL and DESCRIPTION. Symbols include BALL VALVE, CHECK VALVE, GATE VALVE, OSY VALVE, POINT OF NEW CONNECTION, POINT OF DISCONNECTION, ANTIFREEZE CHARGING LOOP, SPRINKLER PIPE UP, CAPPED PIPE, PIPE OR EQUIPMENT TO BE DEMOLISHED.

SPRINKLER SYMBOL LEGEND

Table with columns EXISTING, NEW, and DESCRIPTION. Symbols include UPRIGHT, PENDENT, PENDENT - SEMI RECESSED, PENDENT - RECESSED, PENDENT - CONCEALED, SDEWALL.

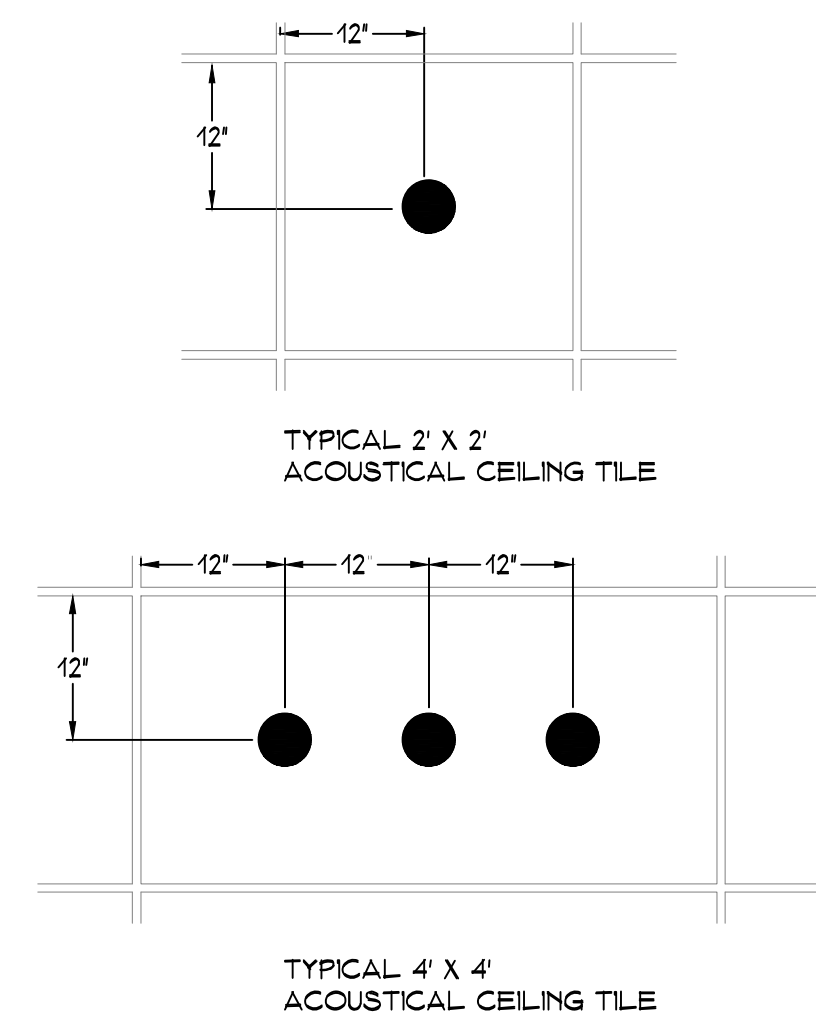
NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT PERTAIN TO THIS PROJECT.

FIRE PROTECTION DRAWING INDEX

Table with columns SHEET and DESCRIPTION. Rows include F001 FIRE PROTECTION COVER SHEET, F401 FIRE PROTECTION PLANS, DETAILS & SCHEDULES.



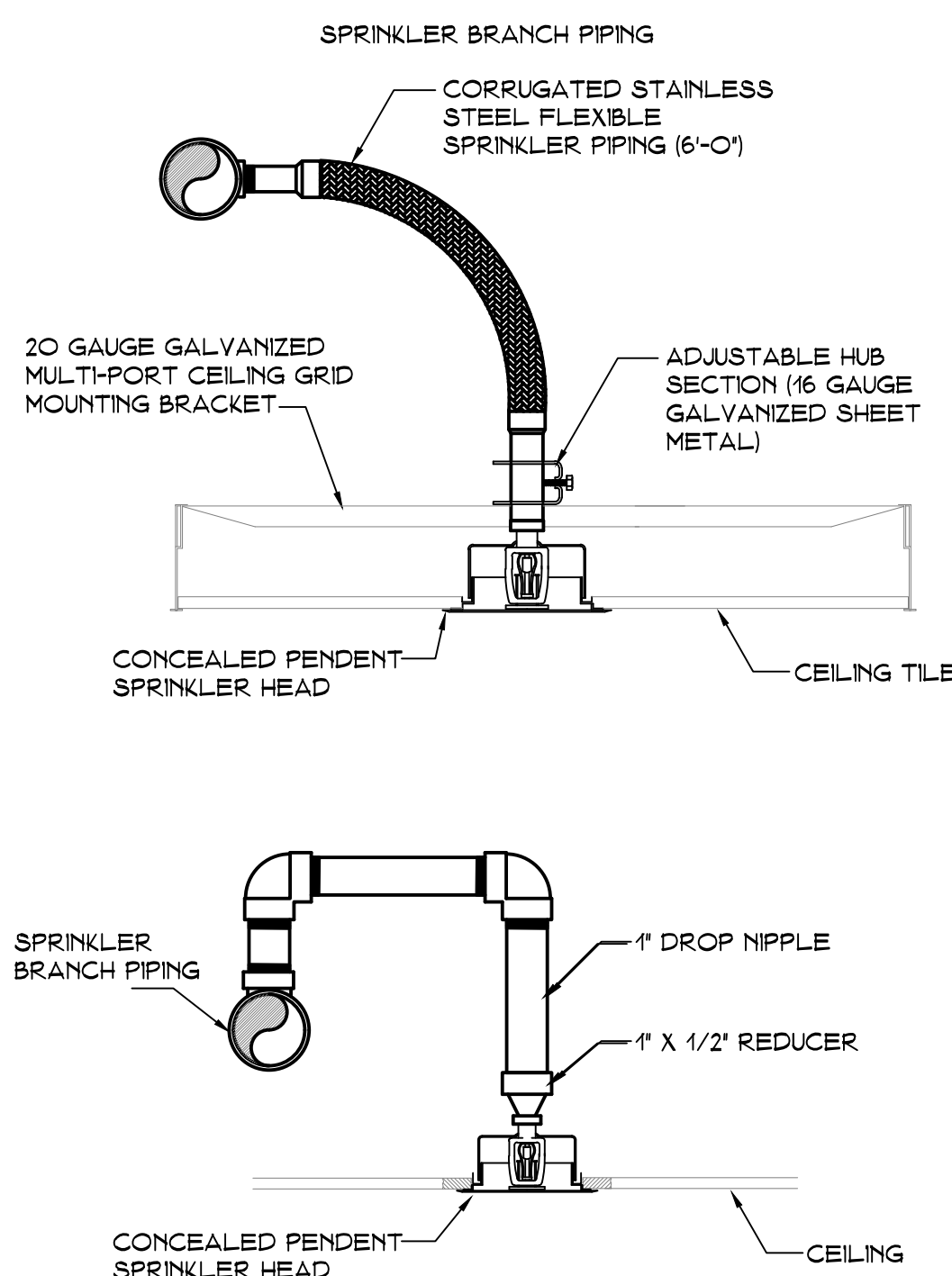
Revision table with columns Revision, Description, Date, Revised By.



LOCATION OF SPRINKLER HEADS IN GRID SHALL CONFORM TO ONE (1) OF THE LOCATION INDICATED, EXCEPT WHERE SPECIFICALLY DIMENSIONED ON PLANS.

SUSPENDED CEILING SPRINKLER HEAD LOCATION DETAIL

NOT TO SCALE

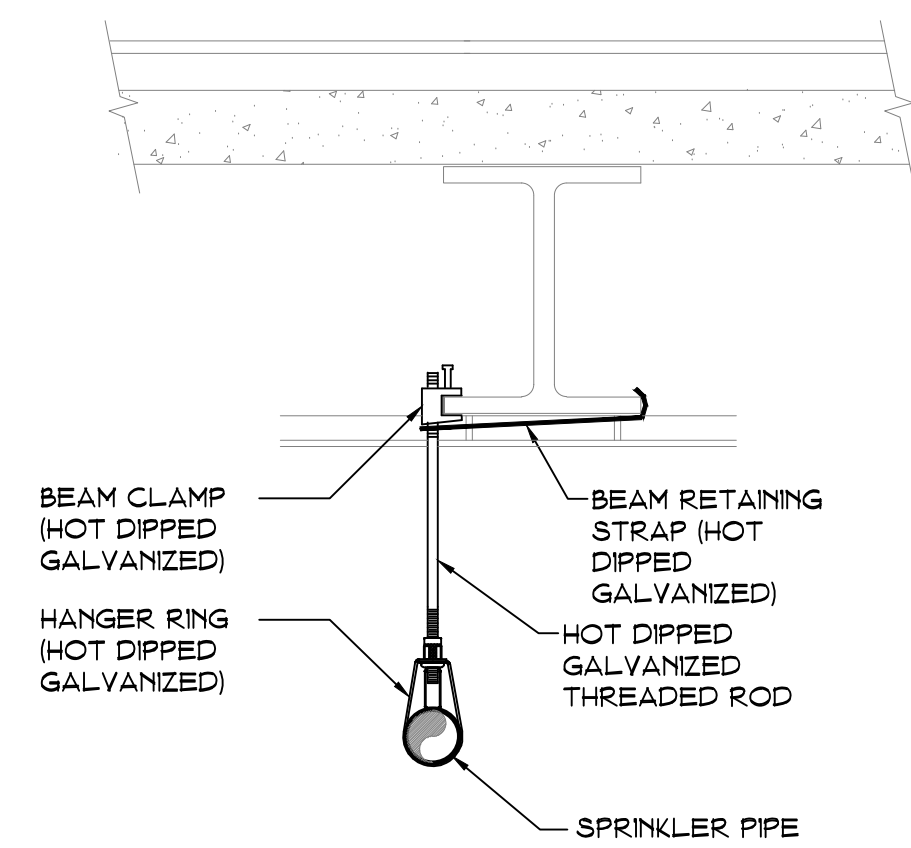


CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, HANGERS, ETC. AS REQUIRED TO PROVIDE A COMPLETE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13.

CONTRACTOR SHALL UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS, AND EXPOSED PIPING AND UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS. PROVIDE AND INSTALL SPRINKLERS UNDER AND ABOVE ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13.

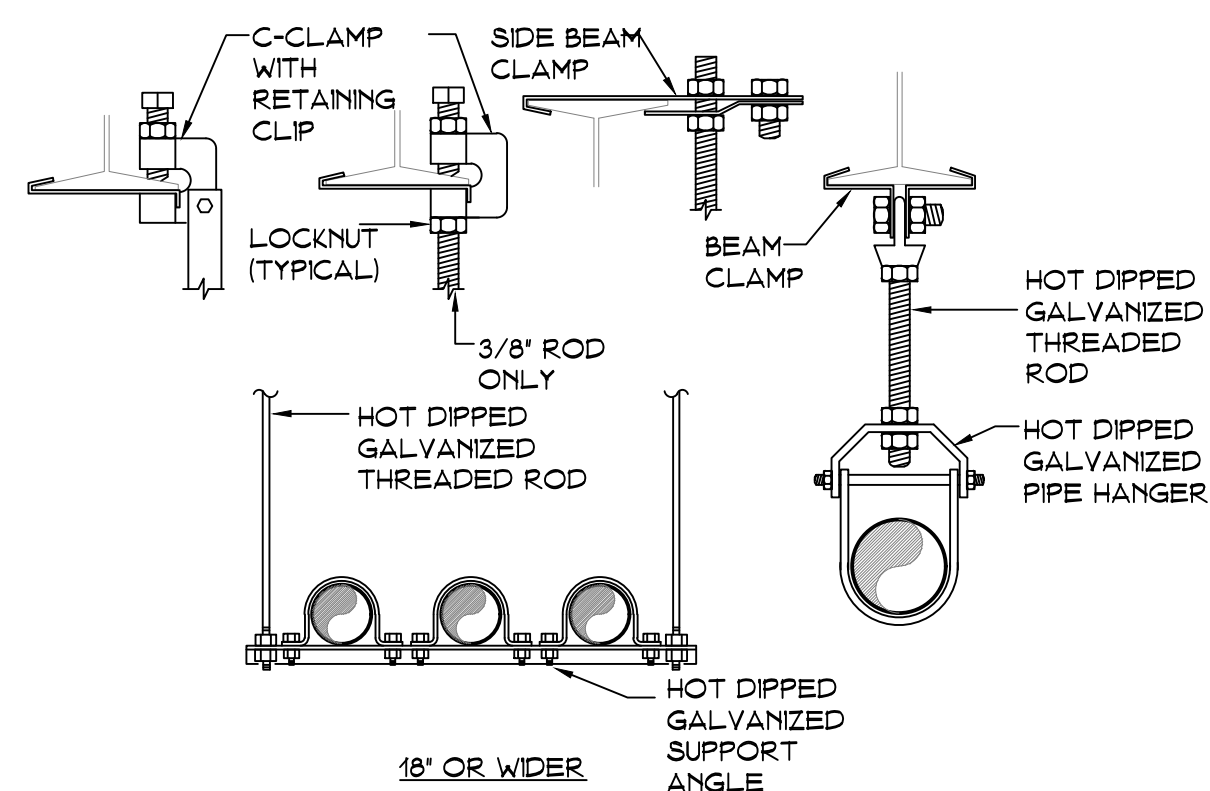
CONCEALED PENDENT SPRINKLER HEAD DETAILS

NOT TO SCALE



PIPE HANGER TO BEAM DETAIL

NOT TO SCALE

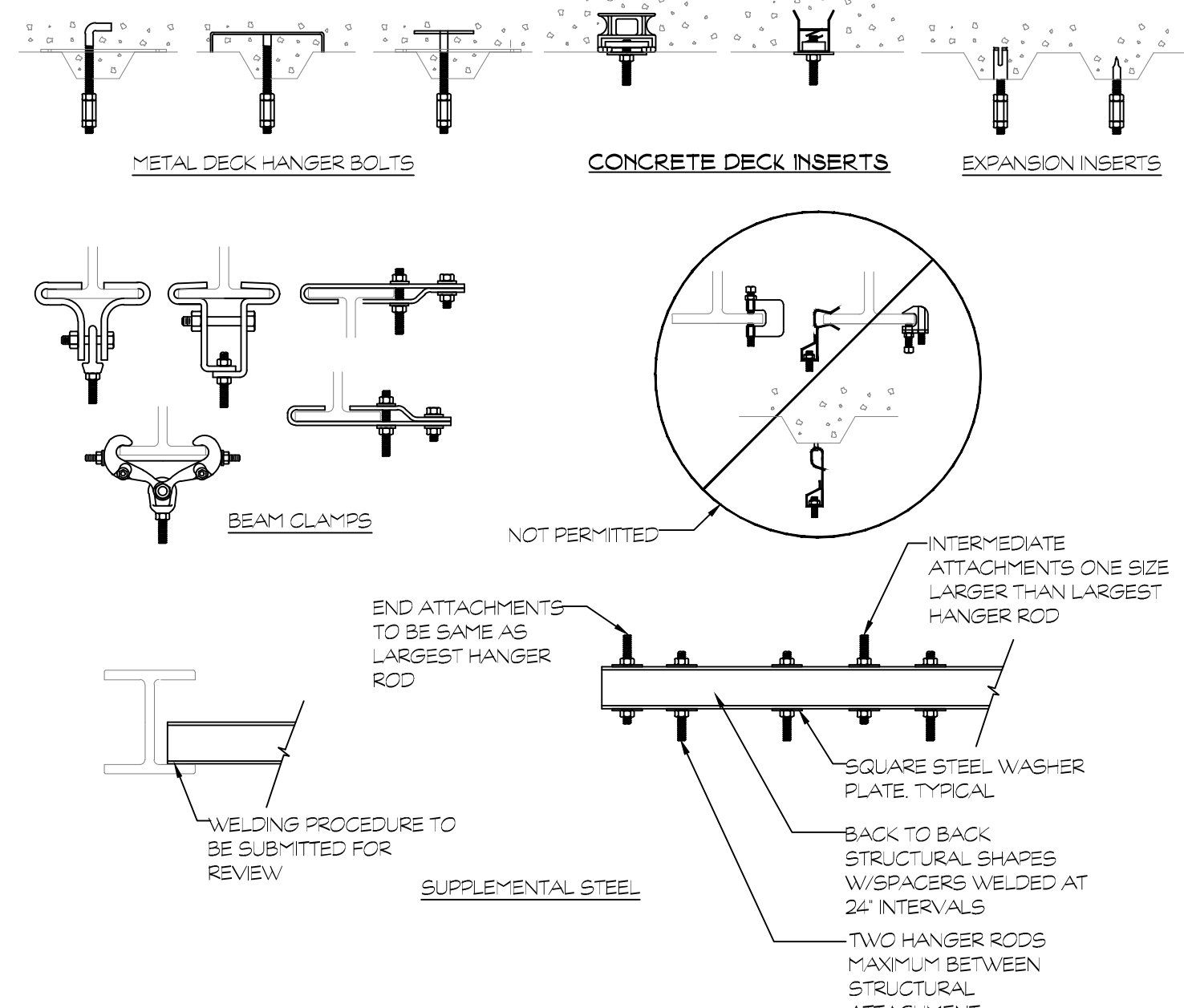


PIPE SIZE	MAX SPACING STEEL PIPE EXCEPT THREADED LIGHTWALL	MAX SPACING STEEL PIPE THREADED LIGHTWALL
1", 1-1/4"	12'-0"	12'-0"
1-1/2", 2", 2-1/2", 3"	15'-0"	12'-0"
4", 6", 8"	15'-0"	N/A

INSTALL HANGERS IN ACCORDANCE WITH NFPA 13 AND STRUCTURAL REQUIREMENTS

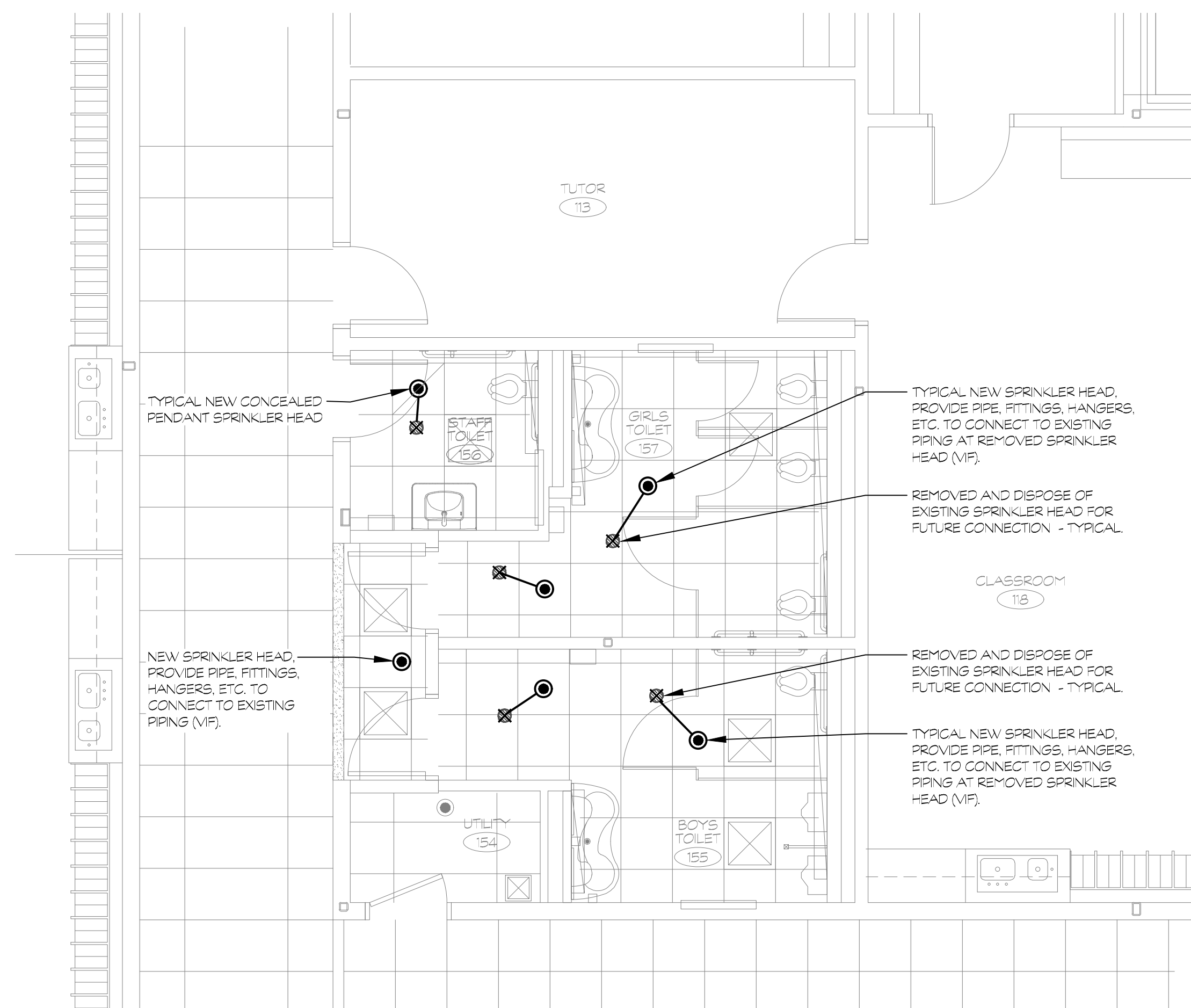
PIPE SUPPORT DETAIL

NOT TO SCALE



PIPE HANGER ATTACHMENT DETAIL

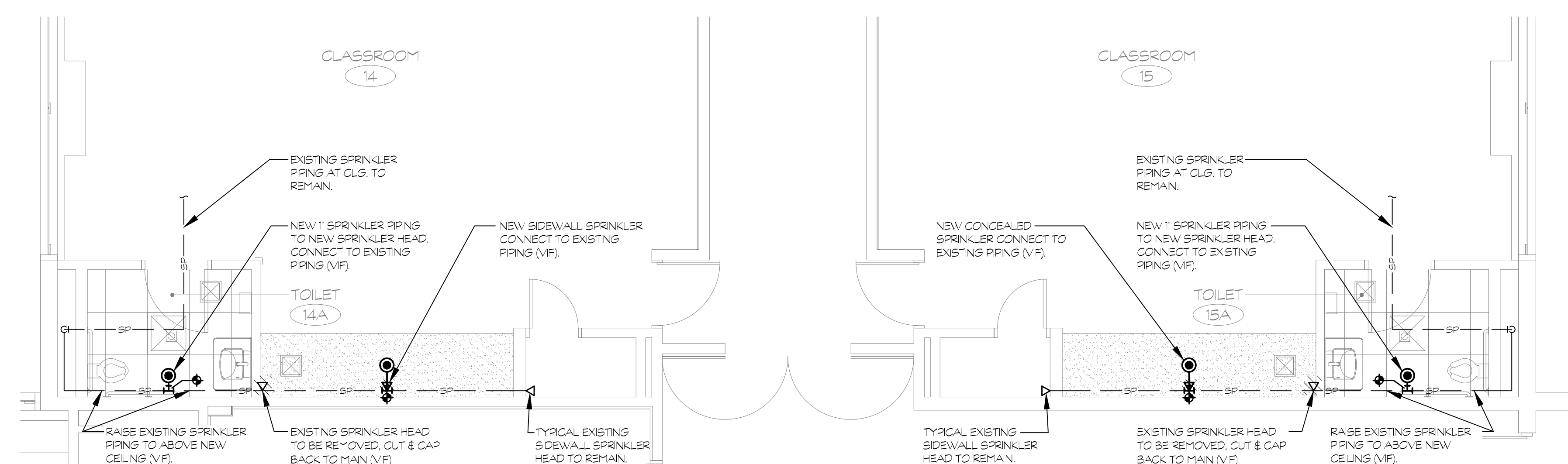
NOT TO SCALE



TOILET ROOM FLOOR PLAN

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

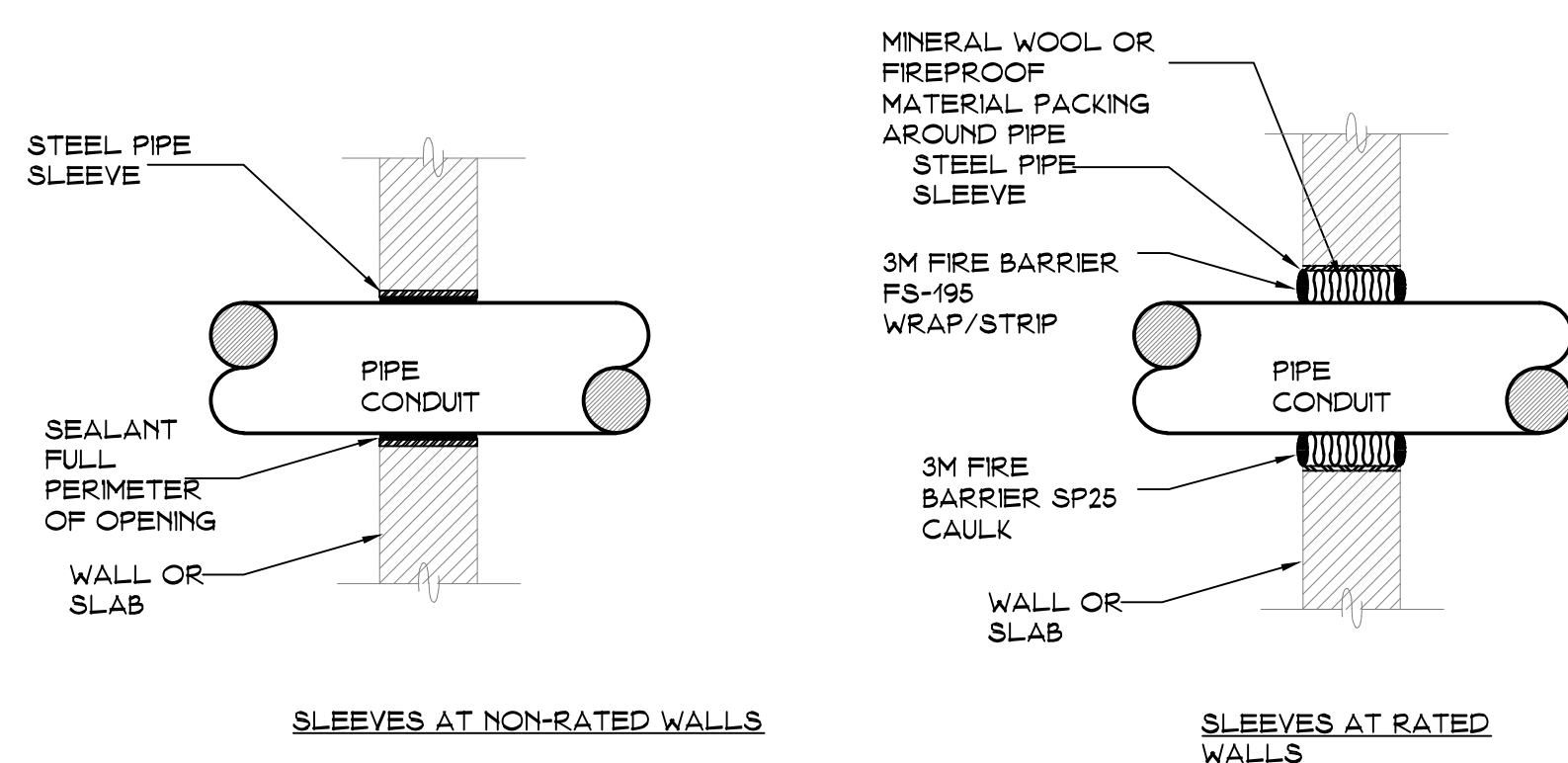
1
FP101



TOILET ROOMS FLOOR PLANS

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

2
FP102



GENERAL NOTES:
 PROVIDE UL LISTED, FM APPROVED FIRE/SMOKE PENETRATION ASSEMBLIES IN ACCORDANCE WITH UL1479, ASTM E 184 REQUIREMENTS FOR WALL TYPE, RATING AND PIPE SIZES.
 PRESTOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
 FOR WALL PENETRATIONS AT RATED WALLS SEE SPECIFICATION SECTION 'PRESTOPPING'.

PIPE PENETRATION DETAIL

NOT TO SCALE

SPRINKLER HEAD SCHEDULE

TYPE	STYLE	RESPONSE	COVERAGE	COLOR	DISCHARGE COEFFICIENT (K)	ORIFICE	TEMP.	MANUFACTURER		REMARKS
								MODEL	SN	
PENDENT	CONCEALED	QUICK	STANDARD	WHITE	5.6K	1/2"	155 F	V38	V3802	--

NOTES:
 1. FINAL COLORS TO BE SELECTED BY ARCHITECT.
 2. IN AREAS WITH FINISHED CEILINGS CONCEALED, PENDENT SPRINKLER HEADS AND CONCEALED PIPING SHALL BE UTILIZED, UNLESS OTHERWISE INDICATED ON PLANS.
 3. IN AREAS WITHOUT CEILINGS EXPOSED UPRIGHT SPRINKLER HEADS AND EXPOSED PIPING SHALL BE UTILIZED. UL-LISTED HEAD GUARDS SHALL BE PROVIDED IN AREAS SUBJECT TO DAMAGE (IE MECHANICAL ROOMS, GYMS, ETC.).
 4. FLEXIBLE SPRINKLER HEAD ASSEMBLIES SHALL BE 6' IN LENGTH UL-LISTED AND HAVE A STAINLESS STEEL BRAID SIMILAR TO VICTAULIC 'VCFLEX' AQ8 BRAIDED SERIES. FLEXIBLE SPRINKLER ASSEMBLY EQUIVALENT LENGTH MUST BE TAKEN INTO ACCOUNT WHEN PRODUCING HYDRAULIC CALCULATIONS.

PIPE AND FITTING SCHEDULE

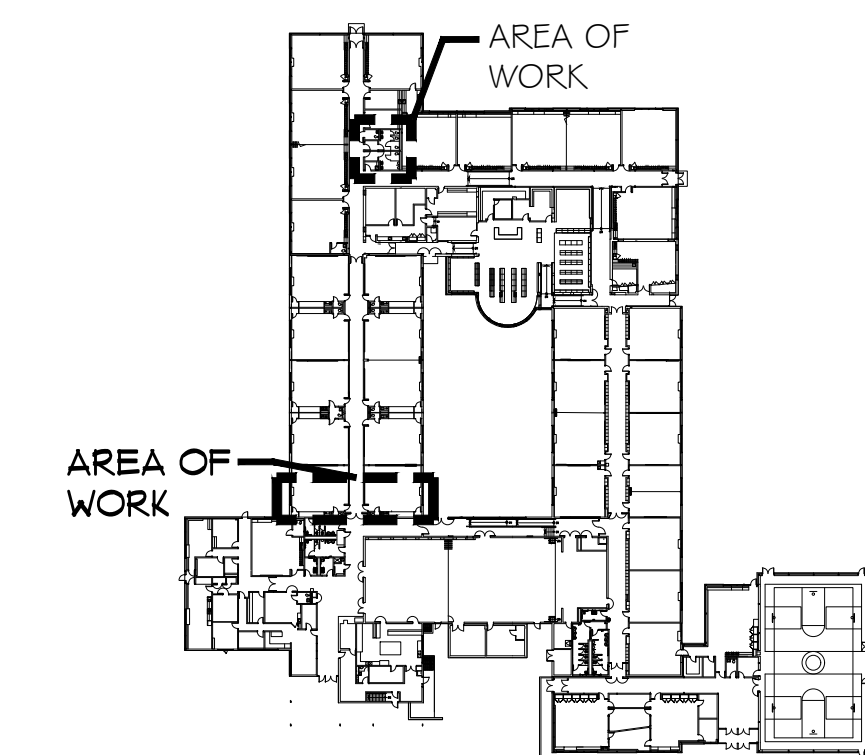
DESCRIPTION	SIZE	PIPE		FITTING		REMARKS
		TYPE	SCHEDULE	TYPE	RATING	
WET SPRINKLER PIPING	2" AND SMALLER	STL-BLK	40	MIT	STD	--
WET SPRINKLER PIPING	2-1/2" AND LARGER	STL-BLK	10	GRV	STD	--

NOTES:
 1. ALL EXPOSED PIPING AND FITTINGS WITHIN FINISHED AREAS SHALL BE CUSTOM PAINTED IN ACCORDANCE WITH NFPA OWNER'S PAINTING REQUIREMENTS AND COORDINATED WITH ARCHITECT.
 2. ALL PIPING IN RETURN AIR CEILING PLENUM INSTALLATIONS SHALL BE UL-LISTED FOR THIS APPLICATION.

ABBREVIATIONS	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
GRV	GROOVED JOINT SYSTEM FITTINGS/COUPLINGS	STD	STANDARD
MIT	MALLEABLE IRON THREADED	STL-BLK	BLACK STEEL

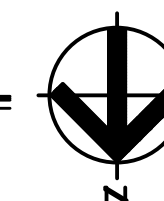
FIRE PROTECTION DEMOLITION NOTES

- NOTIFY PROPER AUTHORITIES (INCLUDING BUT NOT LIMITED TO: THE LOCAL A.H.J., INSURANCE COMPANY, ETC.) OF ANY FIRE PROTECTION 'SHUT DOWNS'. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT THE FIRE PROTECTION SYSTEM(S) WILL BE OUT OF SERVICE. RETURN THE SPRINKLER SYSTEM BACK IN SERVICE AT THE END OF EACH WORKING DAY.
- THIS PROJECT IS A RENOVATION OF EXISTING FACILITY.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS, OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO BECOME FULLY FAMILIAR WITH EXISTING CONDITIONS.
- THE SPRINKLER CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING SPRINKLER PIPING, HANGERS, HEADS, ETC. AS INDICATED (VERIFY IN FIELD). CAP ANY UNUSED OUTLETS.
- THE CONTRACTOR SHALL PROPERLY CAP AND TERMINATE ANY UNUSED DRAIN AND FIRE PROTECTION WATER SUPPLIES IN ACCORDANCE WITH LOCAL WATER AUTHORITY REQUIREMENTS.

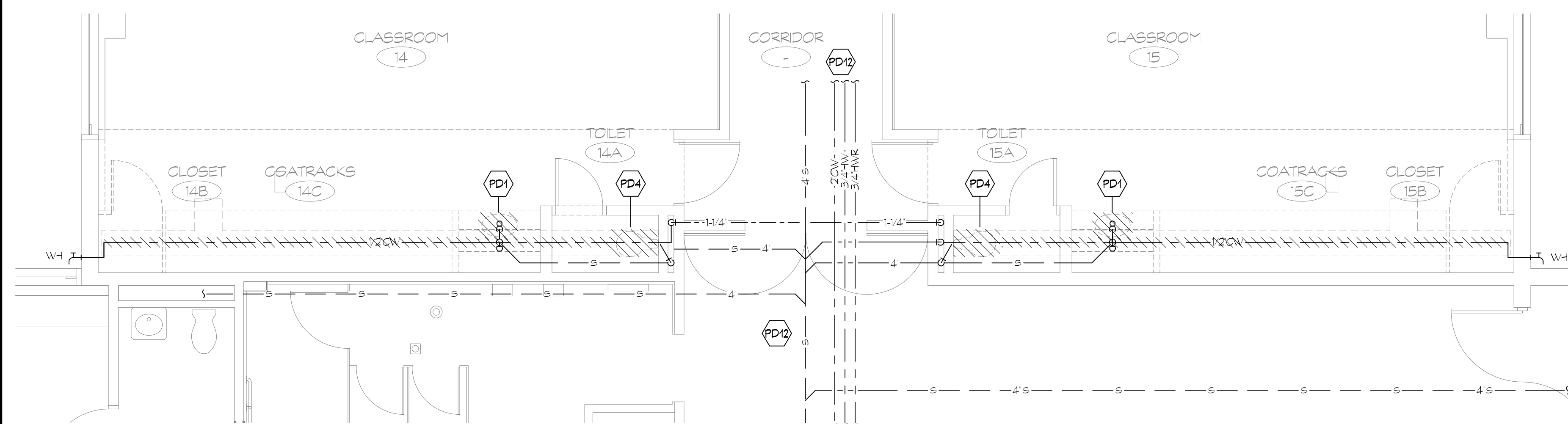


MAIN LEVEL KEY PLAN

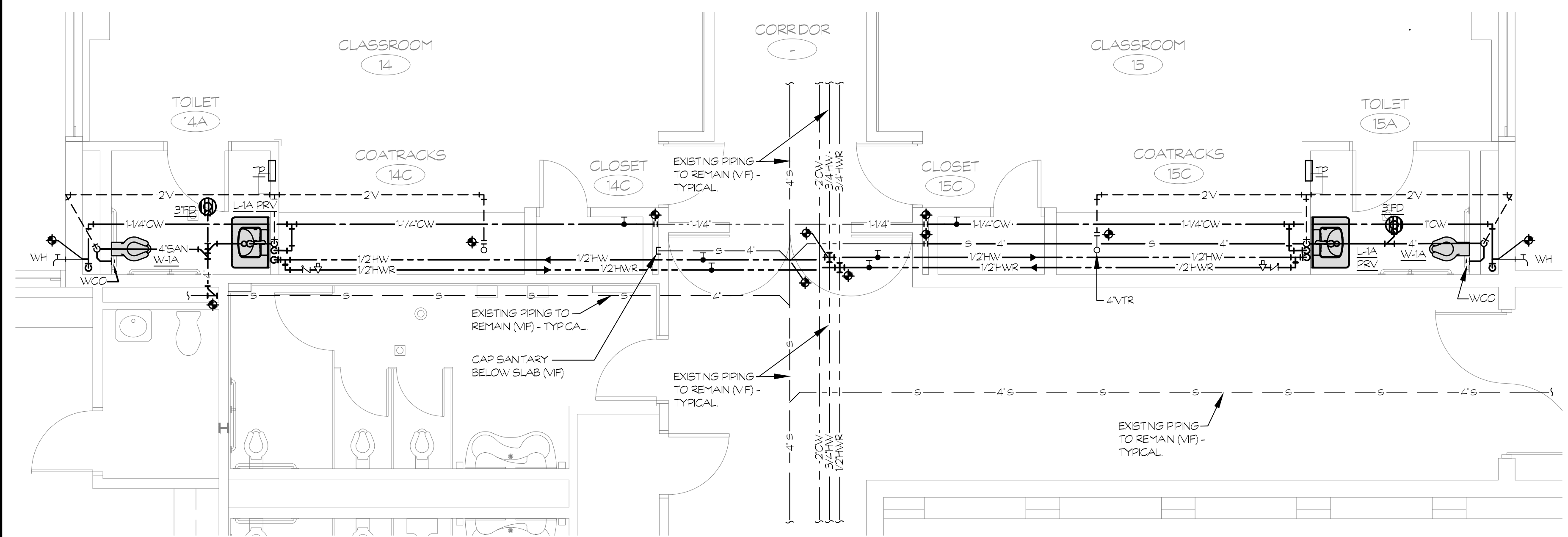
NOT TO SCALE



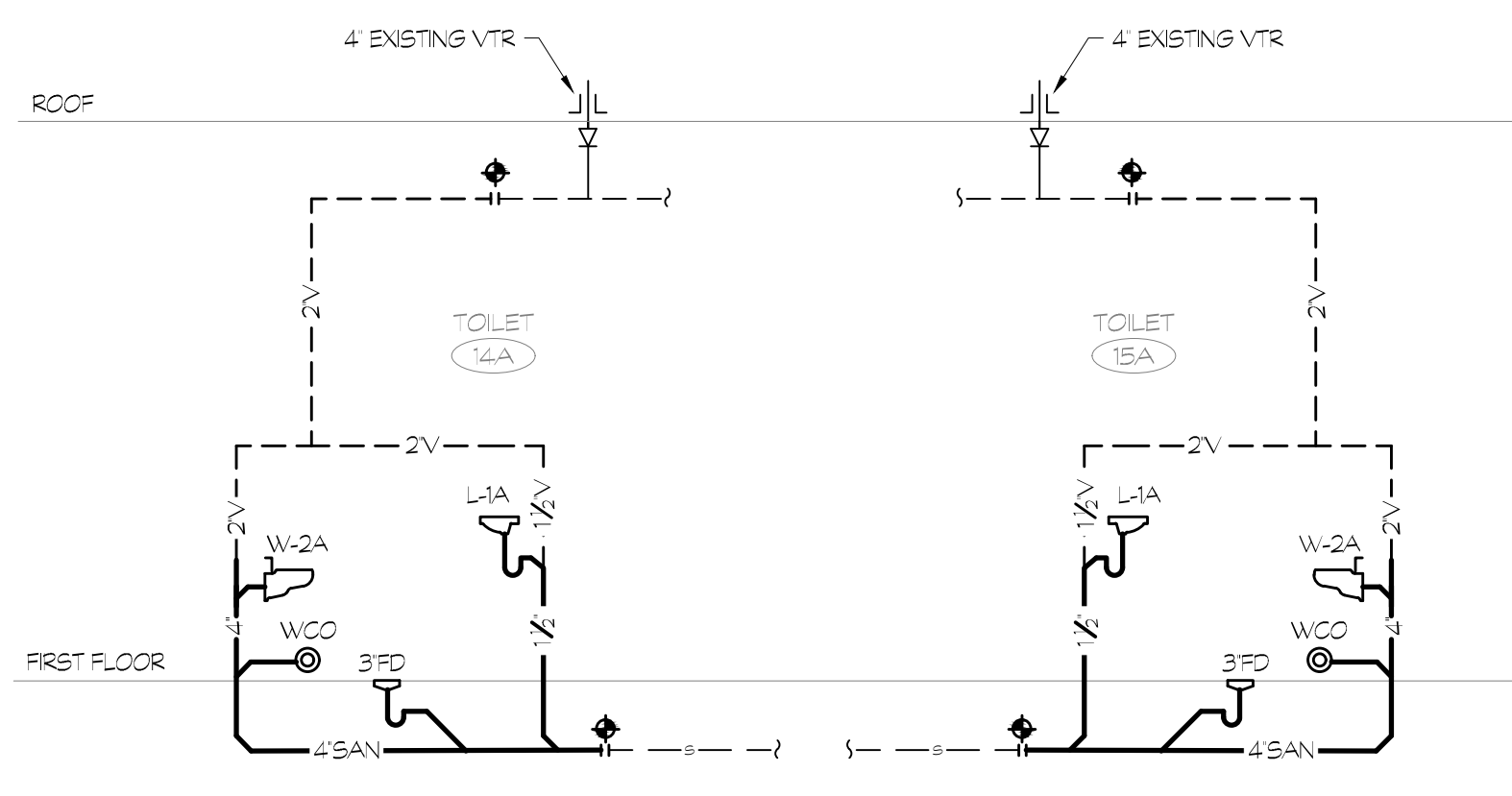
Revision	Description	Date	Revised By



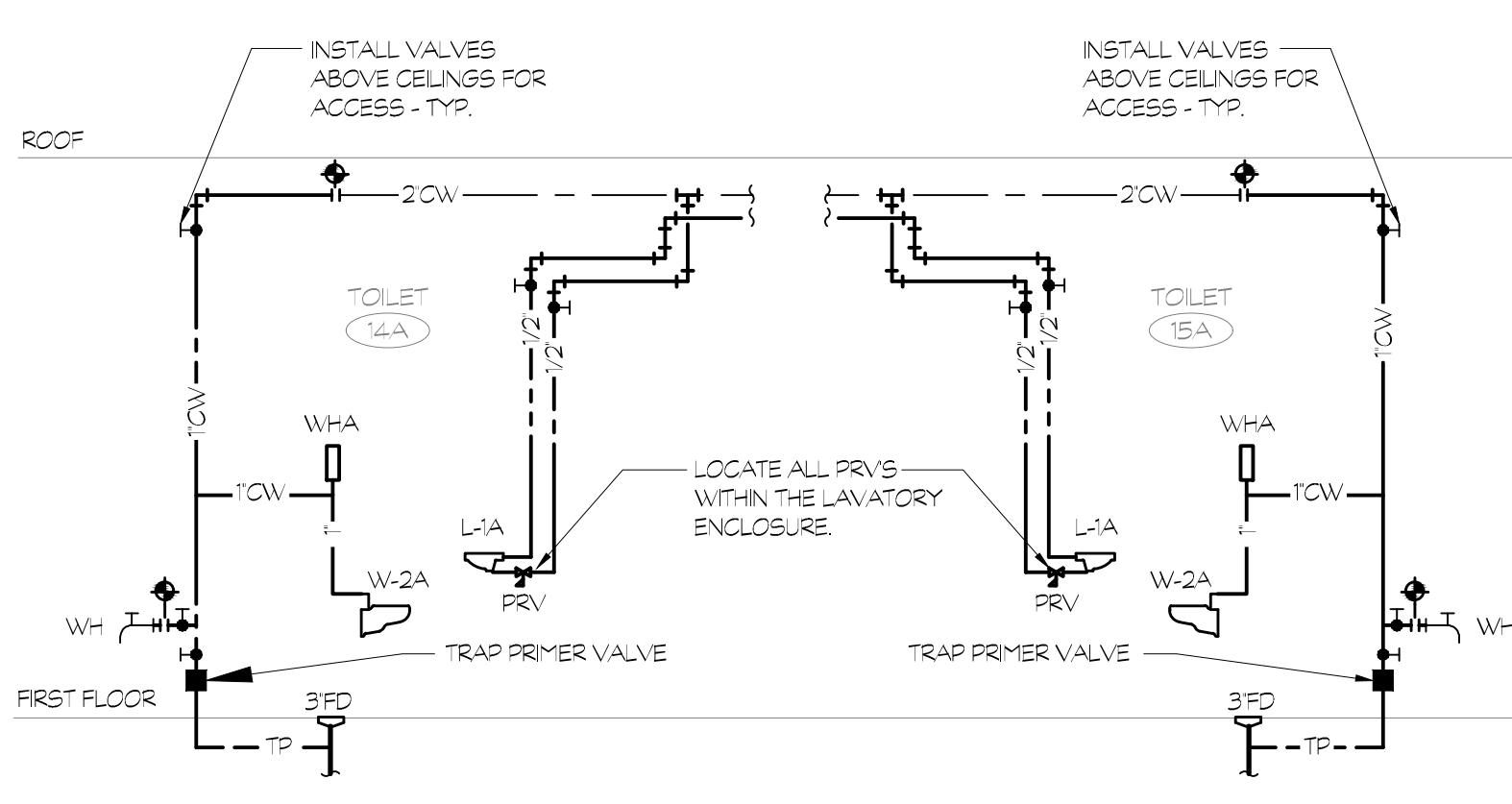
TOILET ROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
1 P101



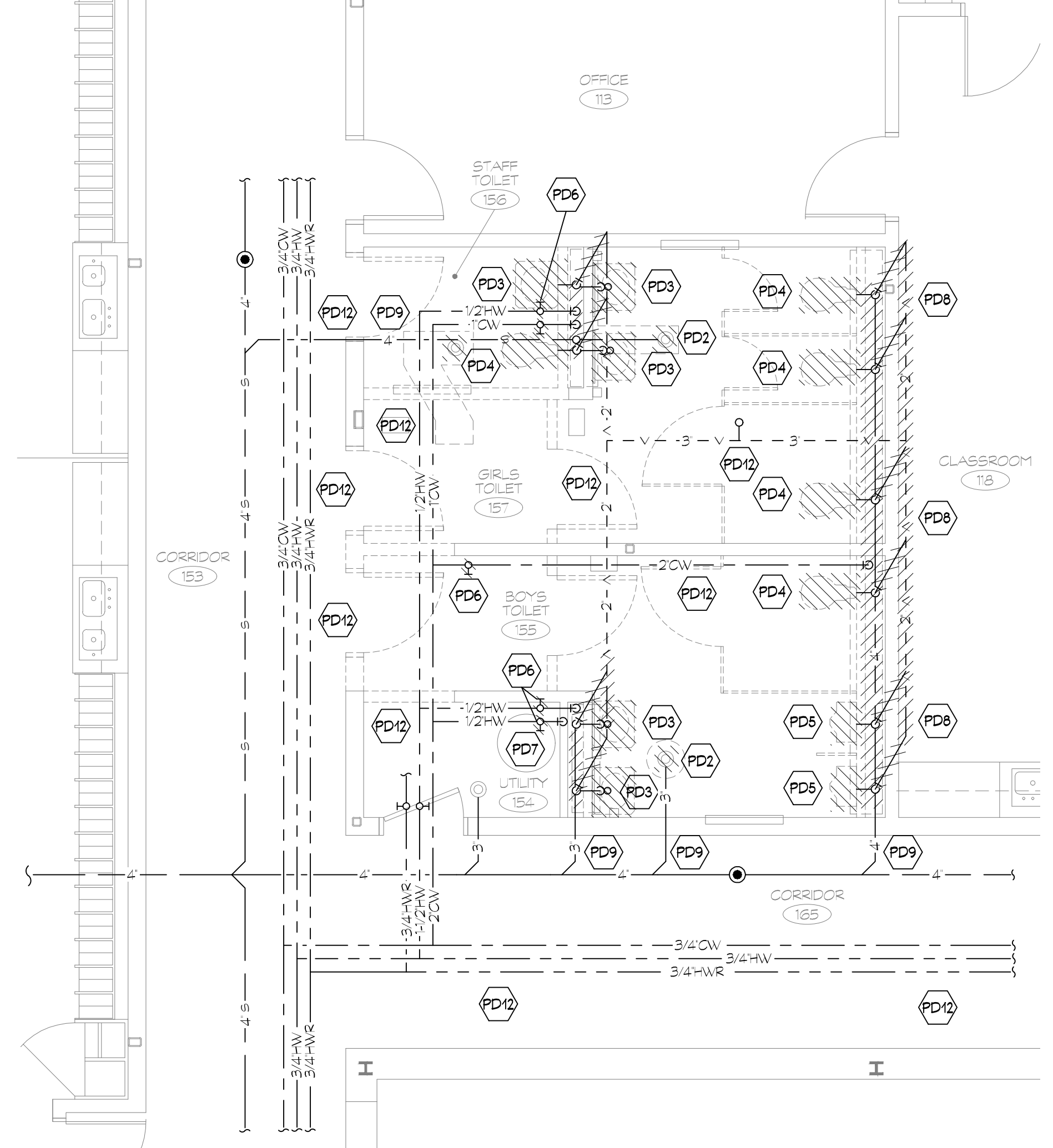
TOILET ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"
2 P101



SANITARY RISER DIAGRAM
SCALE: NONE
7 P101

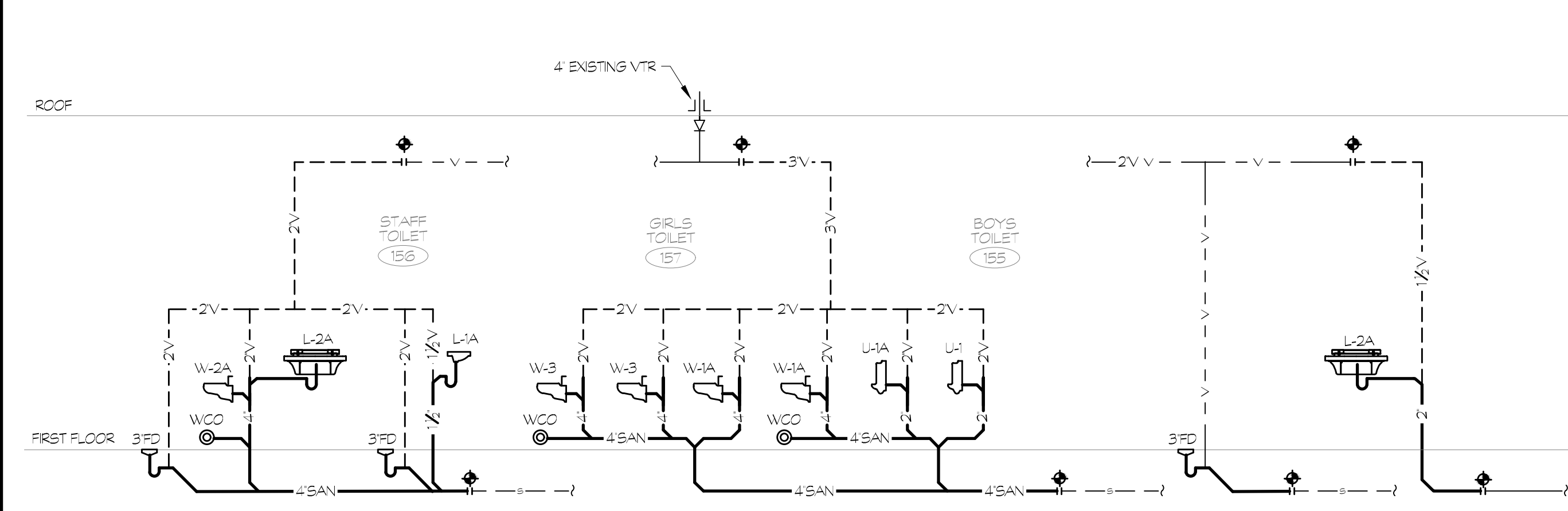


WATER RISER DIAGRAM
SCALE: NONE
8 P101

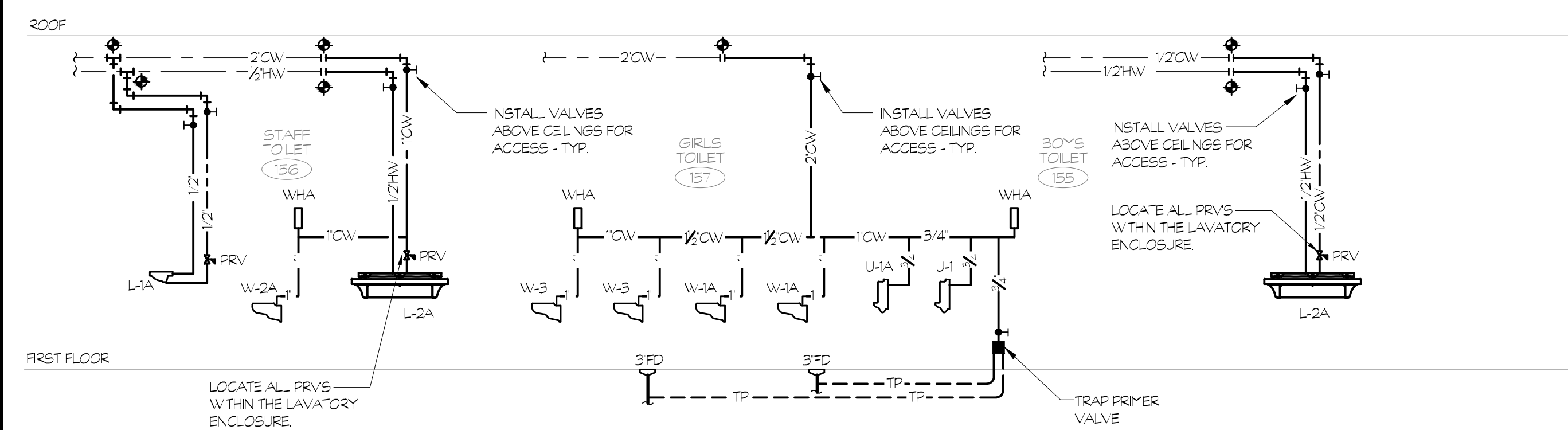


TOILET ROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
3 P101

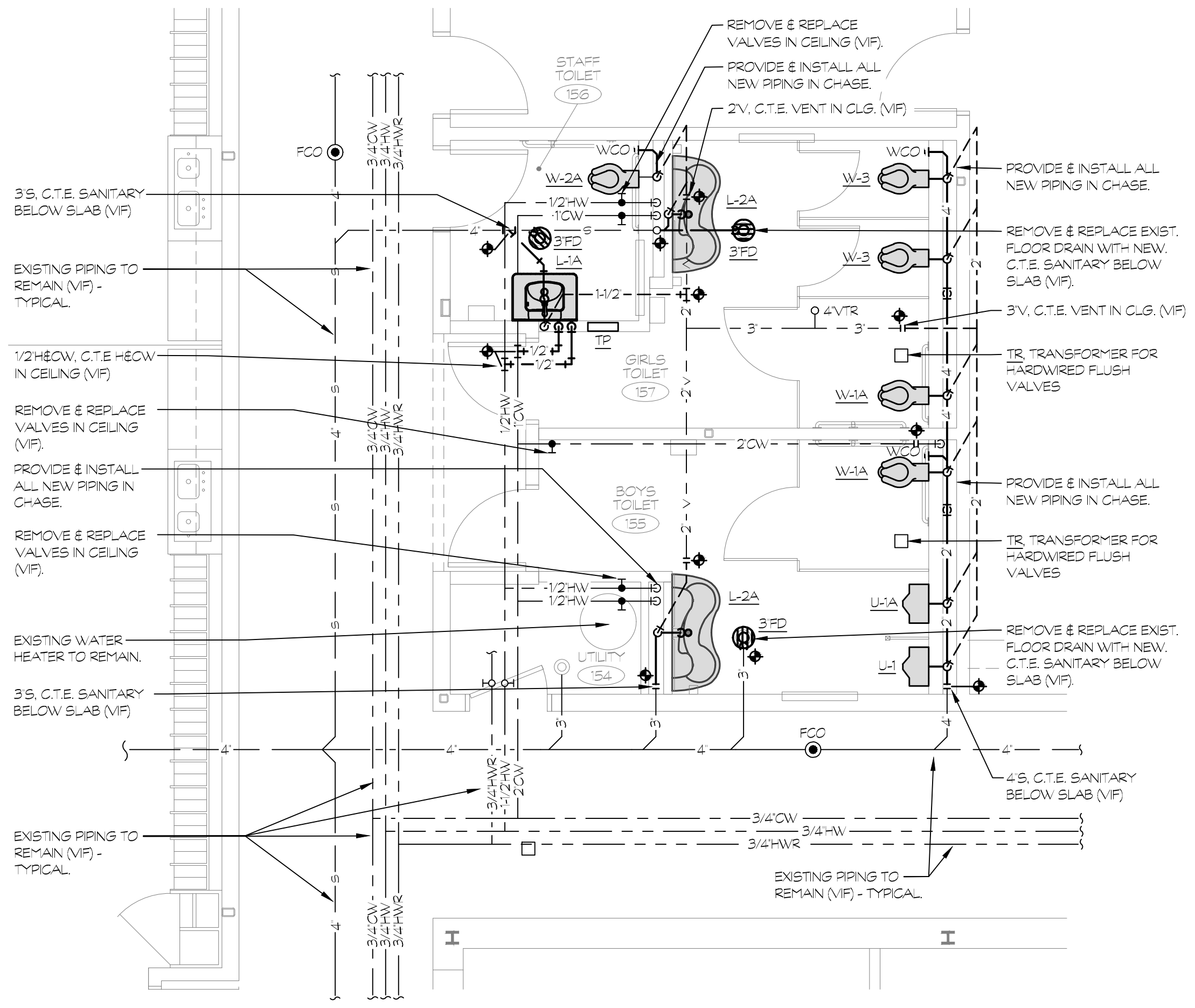
DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
	EXISTING PIPING OR EQUIPMENT TO REMAIN
	EXISTING PIPING OR EQUIPMENT TO REMAIN
	EXISTING PIPING OR EQUIPMENT TO BE REMOVED
	EXISTING PIPING OR EQUIPMENT TO BE REMOVED



SANITARY RISER DIAGRAM
SCALE: NONE
5 P101

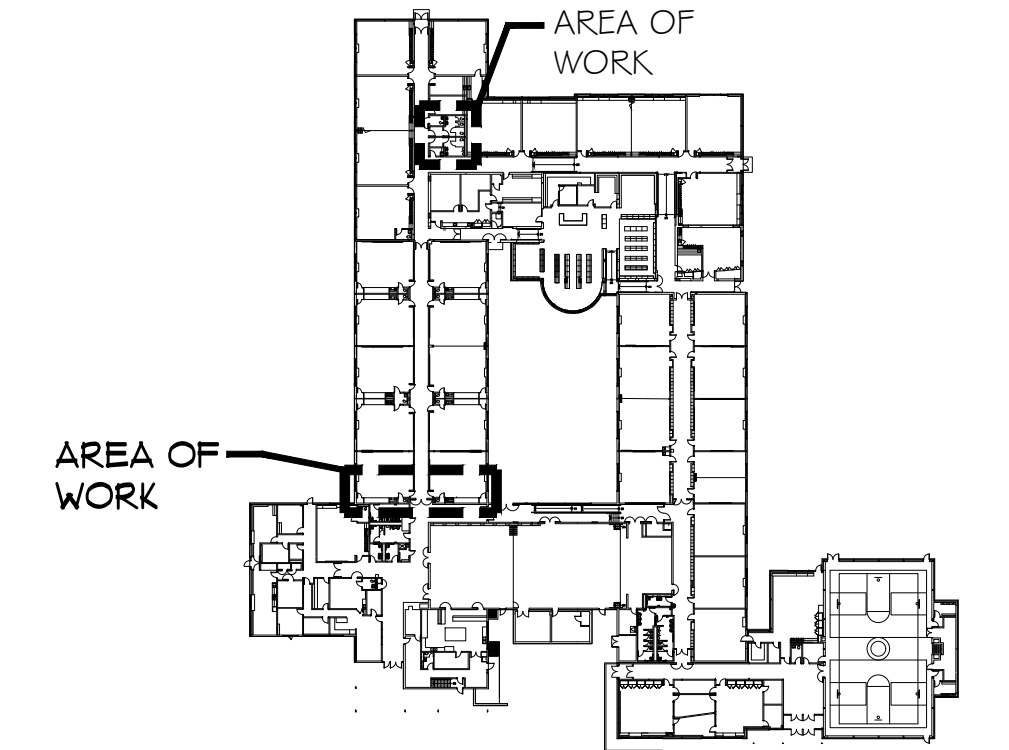


WATER RISER DIAGRAM
SCALE: NONE
6 P101

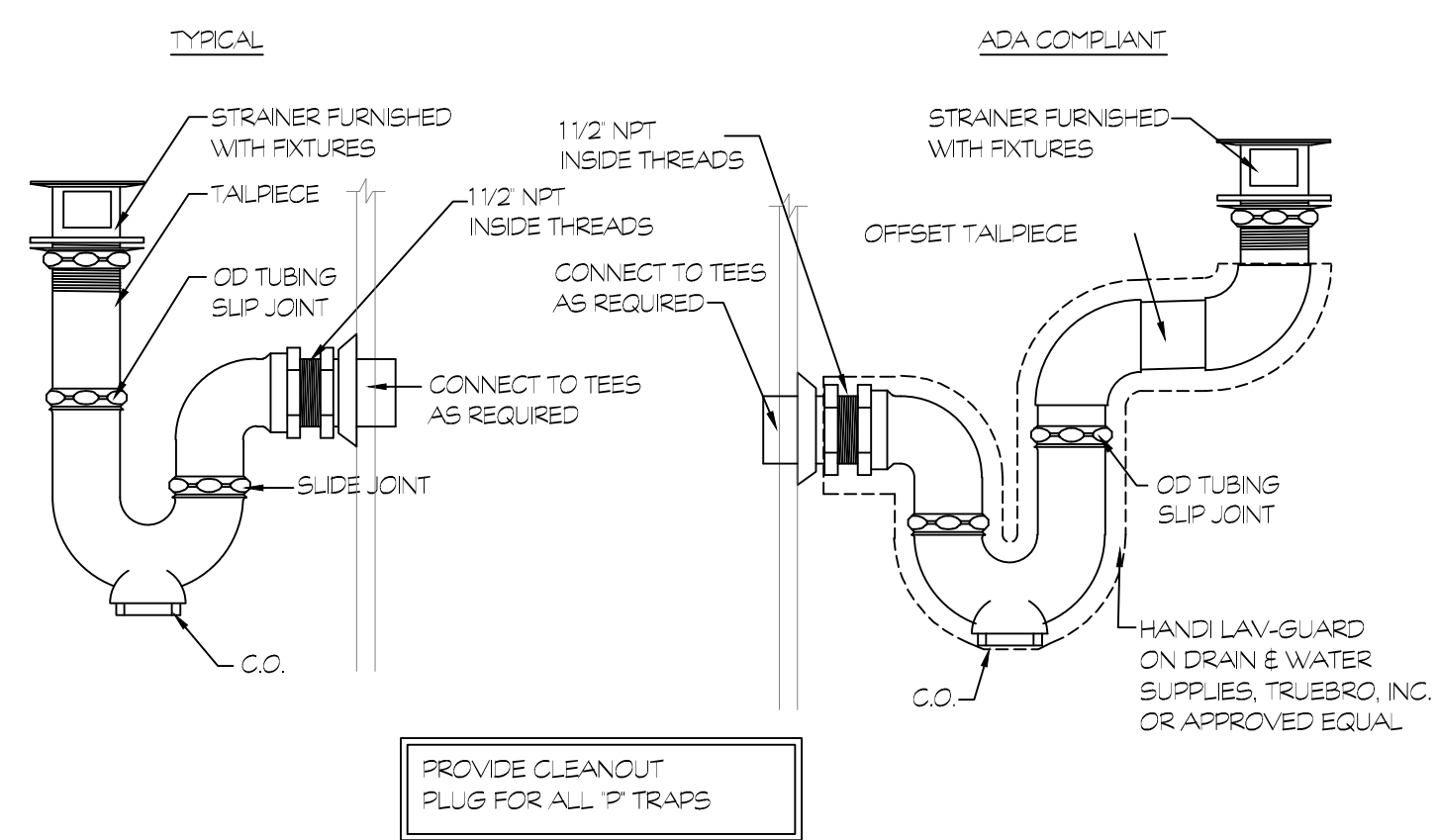


TOILET ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"
4 P101

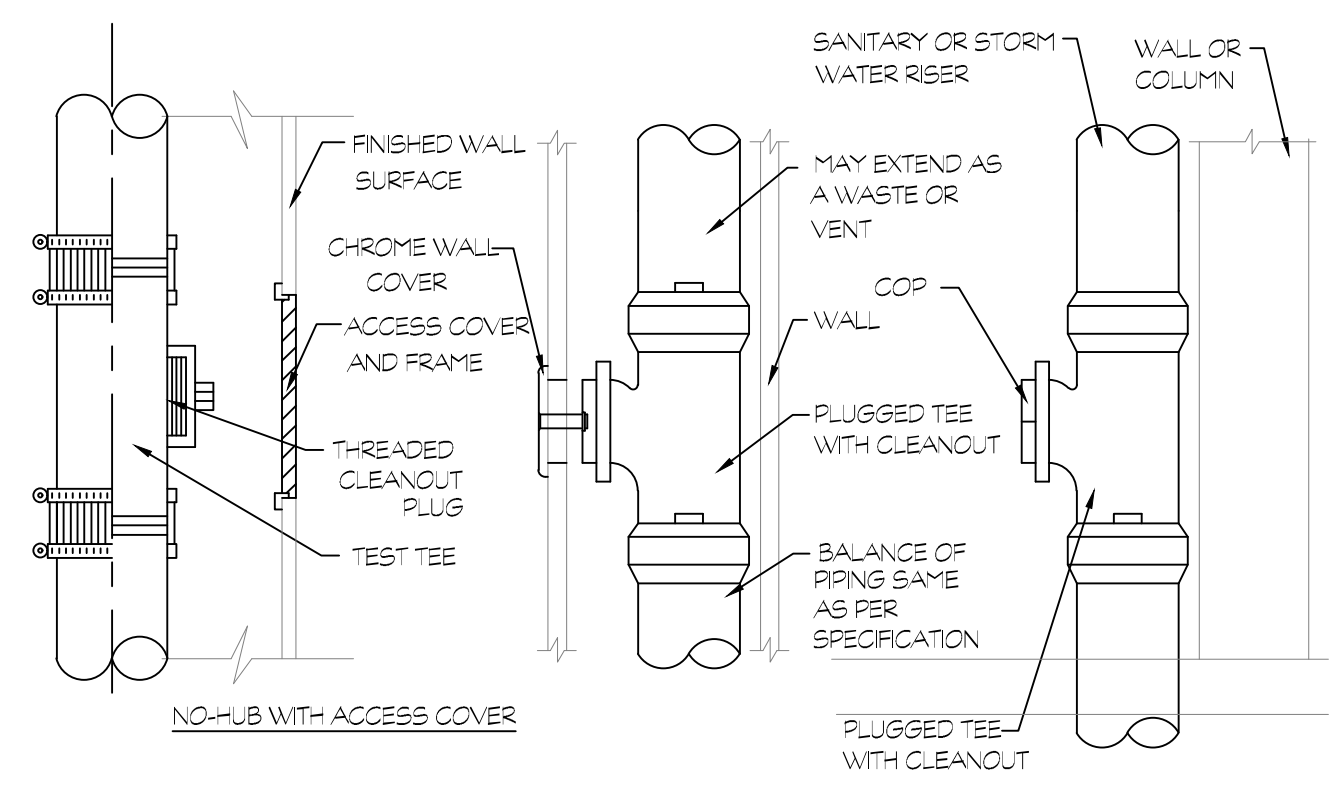
- DEMOLITION KEY NOTES**
- REMOVE AND DISPOSE OF EXISTING SINK. REMOVE ALL EXISTING EXPOSED WATER, WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING FLOOR DRAIN. REMOVE ALL EXISTING EXPOSED WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING LAVATORY. REMOVE ALL EXISTING EXPOSED WATER, WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING WATER CLOSET. REMOVE ALL EXISTING EXPOSED WATER, WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING URINAL. REMOVE ALL EXISTING EXPOSED WATER, WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING VALVES IN CEILING.
 - EXISTING WATER HEATER TO BE REMAIN IN PLACE.
 - REMOVE AND DISPOSE OF EXISTING WASTE AND VENT PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - EXISTING SANITARY PIPING BELOW GRADE TO REMAIN. SINK CLEAN AND JET ALL EXISTING PIPING WHEN COMPLETE. CAPERS INSPECT WITH A VIDEO CAMERA. PROVIDE REPORT.
 - REMOVE AND DISPOSE OF EXISTING FLOOR CLEANOUT BELOW SLAB. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - REMOVE AND DISPOSE OF EXISTING HOSE BIBS. REMOVE ALL EXISTING WATER PIPING. CAP PIPING BELOW FLOOR, CEILING AND WALL, WITHIN 2 FT OF PIPING.
 - EXISTING PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.



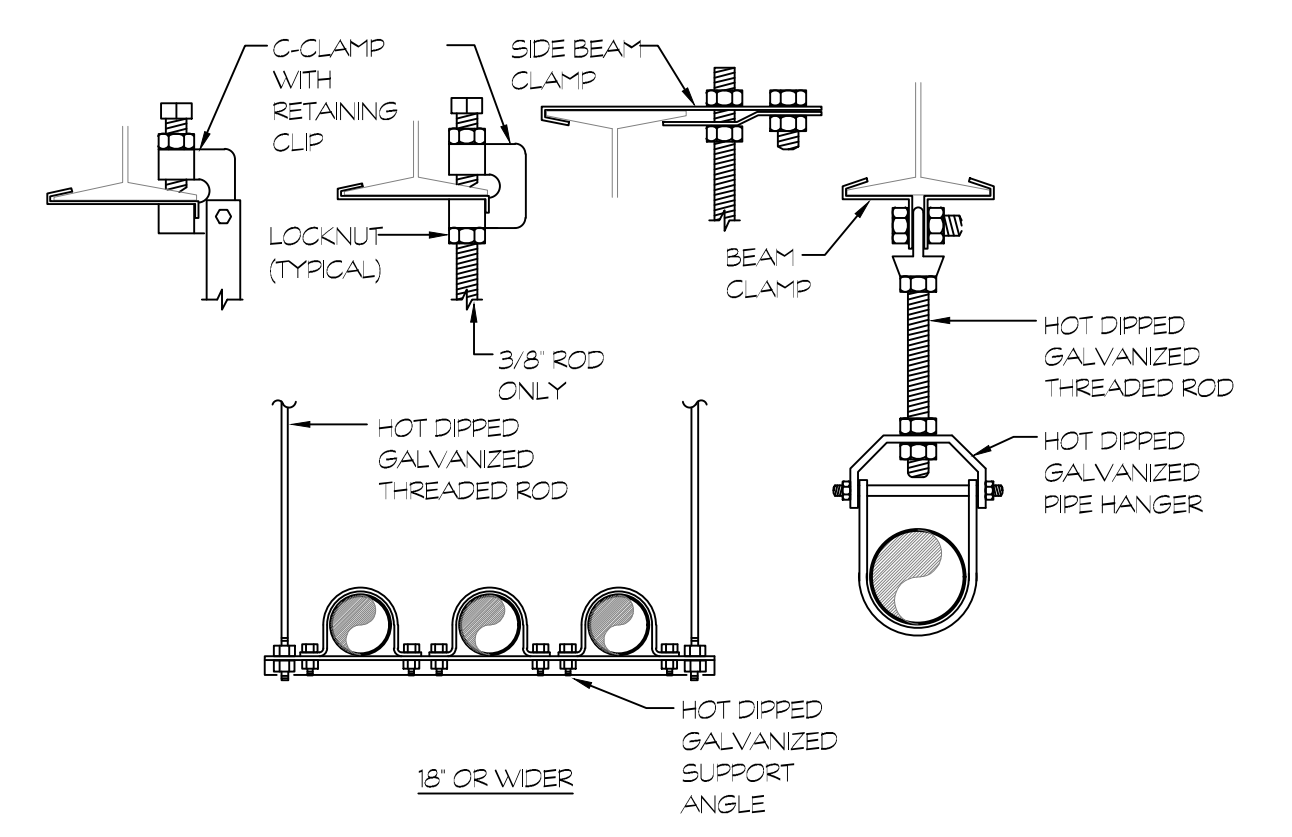
MAIN LEVEL KEY PLAN
NOT TO SCALE



P TRAP WITH CLEANOUT DETAIL
NOT TO SCALE



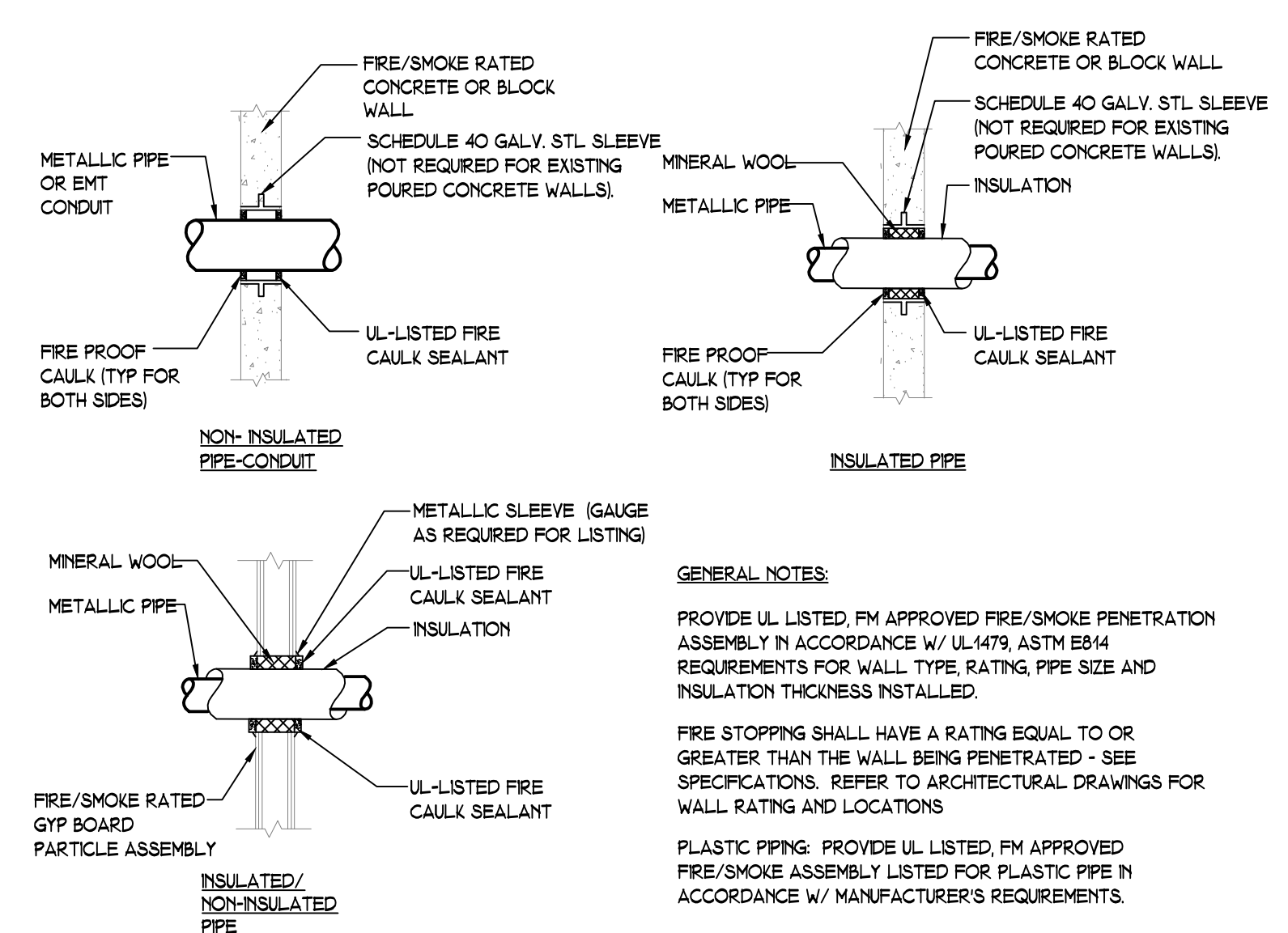
WALL AND RISER CLEANOUT DETAIL
NOT TO SCALE



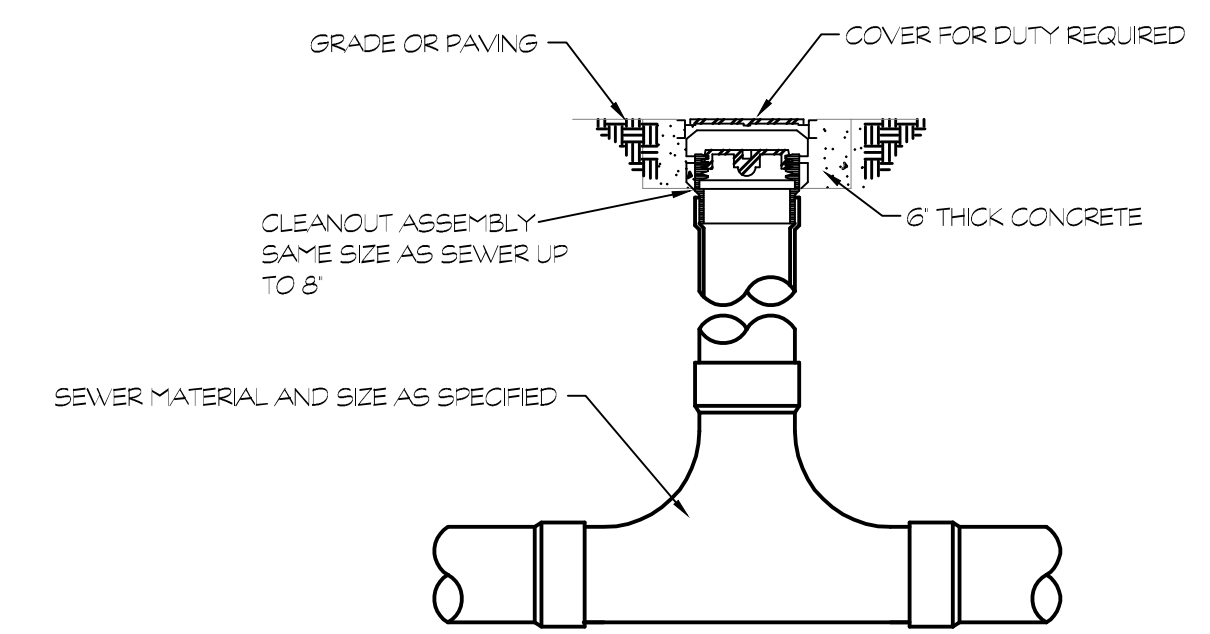
PIPE SIZE	MAX SPACING STEEL PIPE EXCEPT THREADED LIGHTWALL	MAX SPACING STEEL PIPE THREADED LIGHTWALL
1, 1-1/4"	12'-0"	12'-0"
1-1/2", 2, 2-1/2", 3"	18'-0"	12'-0"
4, 6, 8"	18'-0"	N/A

INSTALL HANGERS IN ACCORDANCE WITH NFPA 19 AND STRUCTURAL REQUIREMENTS

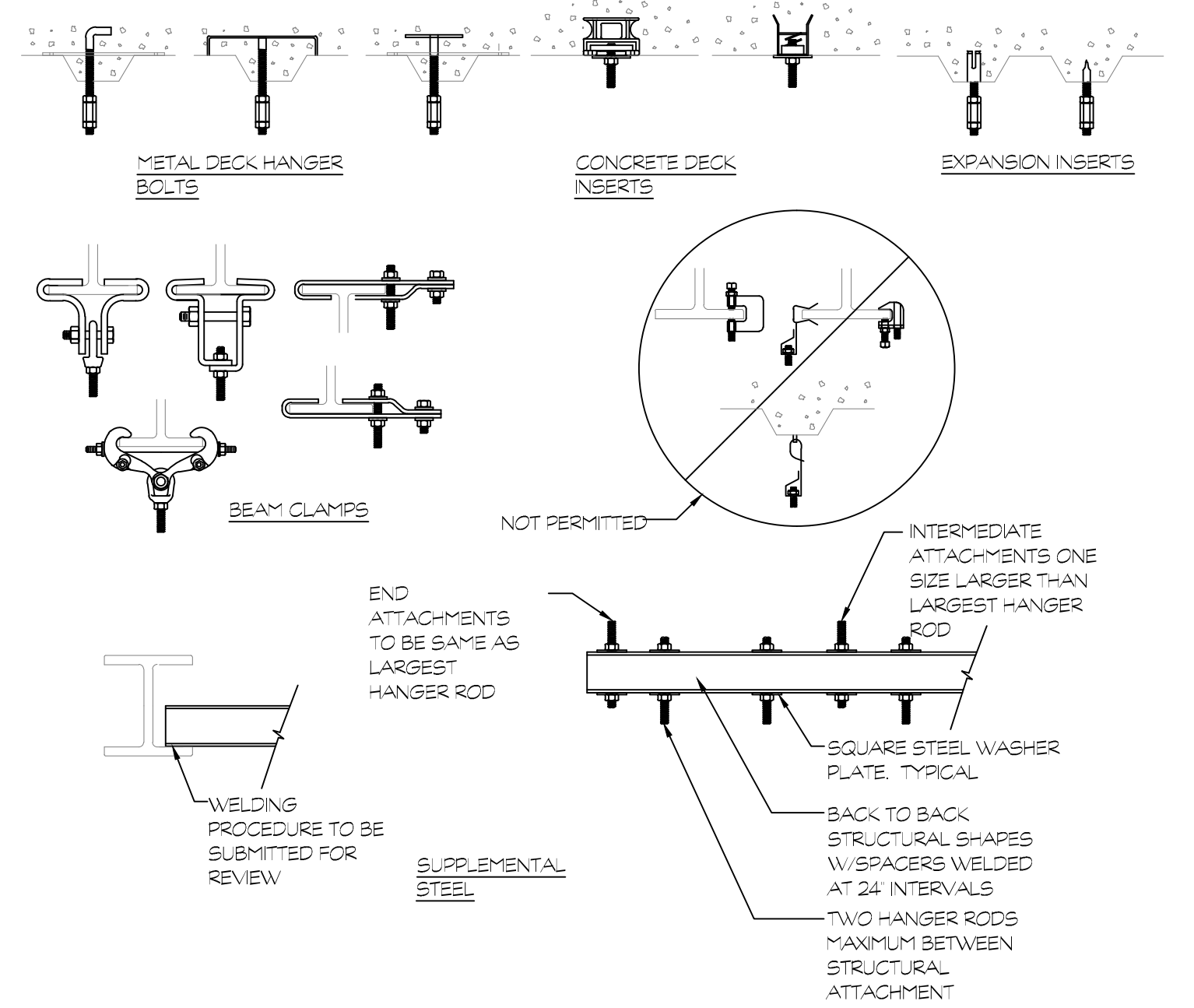
PIPE SUPPORT DETAIL
NOT TO SCALE



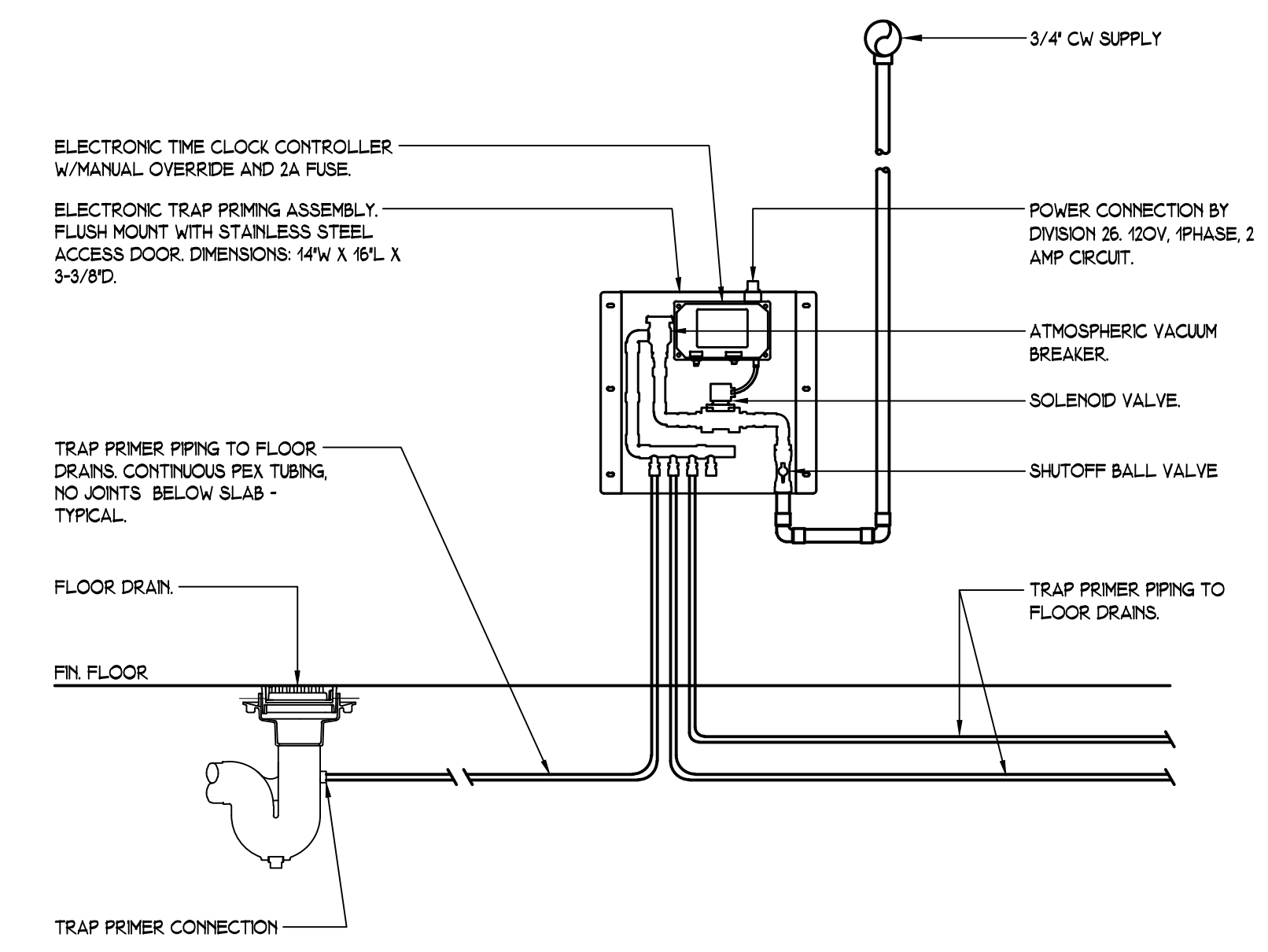
PIPE PENETRATION WITH FIRE/SMOKE SEAL
NOT TO SCALE



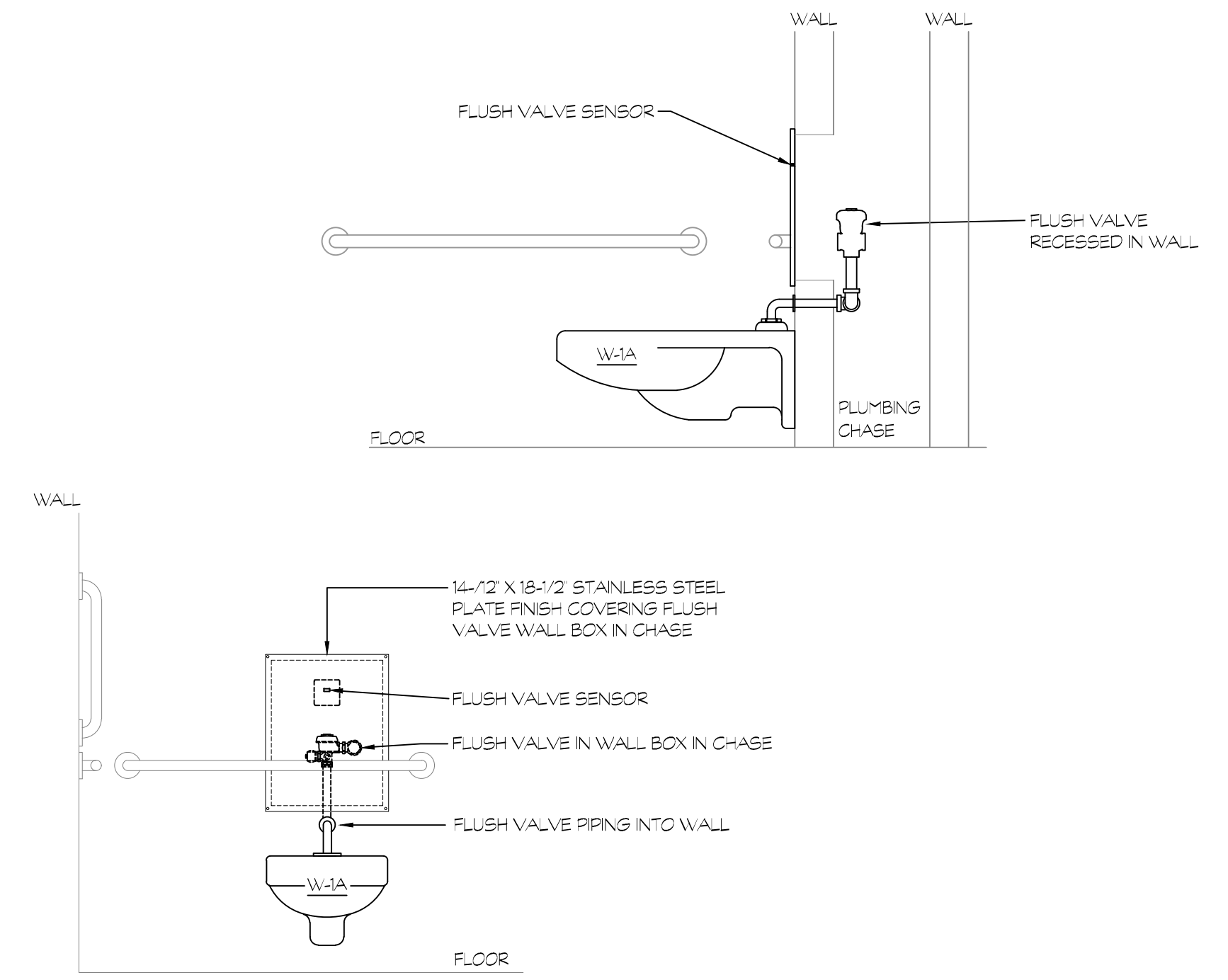
FLOOR AND YARD CLEANOUT DETAIL
NOT TO SCALE



PIPE HANGER ATTACHMENT DETAIL
NOT TO SCALE



ELECTRONIC TRAP PRIMER DETAIL
NOT TO SCALE



RECESSED FLUSH VALVE AT CHILD HEIGHT TOILET DETAIL
NOT TO SCALE

INSULATION SCHEDULE					
SYSTEM	PIPE SIZE	INSULATION TYPE	INSULATION THICKNESS	FITTINGS, VALVES, FLANGES INSULATION TYPE	REMARKS
DOMESTIC COLD WATER	ALL	MINERAL FIBER, ASJ, SSL	1/2"	MOLDED, PRE-FORMED MINERAL FIBER WITH PVC JACKET	TYPE 1
DOMESTIC HOT WATER	ALL	MINERAL FIBER, ASJ, SSL	1"	MOLDED, PRE-FORMED MINERAL FIBER WITH PVC JACKET	TYPE 1
EXTERIOR PIPE	ALL	CELLULAR GLASS (FOAM GLASS)	2"	CELLULAR GLASS (FOAM GLASS)	ALUMINUM JACKET WITH HEAT TRACE

NOTES:
1. FIBERGLASS INSULATION THERMAL CONDUCTIVITY 22 TO 28BTU X IN/H X FT X F W/ 100 F MEAN TEMP. THICKNESS BASED ON ASHRAE 90.1, 1999 6.2.4.5.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

THERMOSTATIC MIXING VALVE SCHEDULE										
	EQUIPMENT BEING SERVED (IE. WATER HEATER, ETC.)	AREA SERVED	FLOW RATE # (OPS) DIFFERENTIAL	MINIMUM FLOW RATE GPM	INLET TEMP.	OUTLET TEMP.	INLET SIZE	OUTLET SIZE	MANUFACTURER MODEL	REMARKS
TMV	POINT OF USE WATER HEATER	---	19GPM	25GPM	120 F	110 F	1/2"	1/2"	ACORN ST70CP-12	---

NOTES:
1. MAXIMUM PRESSURE DIFFERENTIAL SHALL BE 10PSI FOR MIXING VALVE WITH DIAL THERMOMETER, ADJUSTABLE SET POINT, INTEGRAL STRAINER CHECKSTOPS ON INLETS, PROVIDE SHUTOFFS/ARRESTORS AT ALL CONNECTIONS.
2. MINIMUM LOW RATE WHEN VALVE IS INSTALLED AT OR NEAR HOT WATER SOURCE WITH RECIRCULATED TEMPERED WATER AND CONTINUOUSLY OPERATING CIRCULATION PUMP.

DRAIN SCHEDULE					
MARK	FIXTURE, MODEL NUMBER AND DESCRIPTION	ROUGH-IN			
		TRAP	WASTE	VENT	
FD	FLOOR DRAIN (TOILET ROOM), JOSAM 30000-S, CAST IRON BODY, BOTTOM OUTLET, 6"x6" SQUARE NICKEL BRONZE TOP, TRAP PRIMER CONNECTION, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP.	AS NOTED ON DWGS.	AS NOTED ON DWGS.	AS NOTED ON DWGS.	AS NOTED ON DWGS.

NOTES:
1. PROVIDE TRAP PRIMERS FOR ALL DRAINS, DRAINS INCORPORATING A CONSTANT AND REGULAR WASTE ARE NOT REQUIRED TO INTEGRATE TRAP PRIMERS (IE. SHOWER DRAINS, KITCHEN DRAINS, ETC).
2. TRANSITION COUPLINGS AND NO-HUB PIPE SHALL NOT BE INSTALLED BELOW SLAB OR IN ANY BURIED CONDITIONS IN CONTACT WITH EARTH.

CLEANOUT SCHEDULE				
MARK		TRAP SIZE	REMARKS	
FCO	FLOOR CLEANOUT (ALL INTERIOR AREAS EXCEPT CARPETED AREAS), JOSAM 55000-HSD, ADJUSTABLE ROUND SCORRIATED HEAVY DUTY NICKEL BRONZE SECURED TOP WITH FRAME, CAST IRON BODY, FLASHING FLANGE AND CLAMP, BRONZE PLUG, PROVIDE WITH VANDAL PROOF SCREWS, PROVIDE NICKEL BRONZE FRAME IN WET AREAS.	AS NOTED ON DWGS.	---	---
WCO	WALL PLATE CLEANOUT COVER, JOSAM 58500-CO, PROVIDE AT CAST IRON CLEANOUTS WITH COUNTERSUNK BRASS PLUG AND STAINLESS STEEL COVER, SECURED WITH VANDAL PROOF SCREWS.	---	---	---

NOTES:
1. TRANSITION COUPLINGS AND NO-HUB PIPE SHALL NOT BE INSTALLED BELOW SLAB OR IN ANY BURIED CONDITIONS IN CONTACT WITH EARTH.
2. PROVIDE ALL POURED IN PLACE CLEANOUTS WITH 24"x24" FLASHING.

BRANCH PIPE SIZING SCHEDULE					
FIXTURE	SAN/WASTE	VENT	HOT WATER	COLD WATER	REMARKS
WC-FV	4"	2"	---	1"	---
LAV	1 1/2"	1 1/2"	1/2"	1/2"	---
UR	2"	1 1/2"	---	3/4"	---

PIPE HANGER SPACING TABLE			
PIPE MATERIAL	PIPE SIZES (INCHES)	HORIZONTAL PIPE MAX HANGER DISTANCE (FT)	VERTICAL PIPE MAX HANGER DISTANCE (FEET)
COPPER & COPPER ALLOY TUBING	1/4" & SMALLER	6'-0"	10'-0"
COPPER & COPPER ALLOY TUBING	1/2" & LARGER	10'-0"	10'-0"
COPPER & COPPER ALLOY PIPE	ALL	12'-0"	10'-0"
CAST IRON PIPE	ALL	5'-0"	15'-0"

NOTES:
1. MAXIMUM HORIZONTAL SPACING OF CAST IRON PIPE HANGERS SHALL BE INCREASED TO 10'-0" WHERE 10'-0" LENGTHS OF PIPE ARE USED.
2. MIDSTORY GUIDE FOR SIZES 2" AND SMALLER.
NOT ALL PIPE MATERIALS ON THIS TABLE WILL PERTAIN TO THIS PROJECT.

PLUMBING FIXTURE/EQUIPMENT SCHEDULE					
MARK	FIXTURE, MODEL NUMBER AND DESCRIPTION	ROUGH-IN			
		WASTE/SANITARY	VENT	CW	HW
W-1A	WATER CLOSET, STUDENTS - ADA COMPLIANT, WALL HUNG KOHLER KINGSTON K-4325-O, VITREOUS CHINA, ELONGATED BOWL, 1-1/2" TOP SPUD, SIPHON JET TOILET WITH WALL SUPPLY, SLOAN 63 ESS HARDWIRED-128-BSS-OR-WB-2-10-3/4-LDM-HW (CODE #3461654) 128 GPF RECESSED SENSOR FLUSH VALVE WITH WALL BOX AND ACCESS PANEL, KOHLER K-4751-O OPEN FRONT SEAT, PROVIDE ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION, REFER TO ARCHITECTURAL FOR CHILD HEIGHT ADA MOUNTING HEIGHT.	4"	2"	1"	---
W-2A	WATER CLOSET, STAFF - ADA COMPLIANT, WALL HUNG KOHLER KINGSTON K-4325-O, VITREOUS CHINA, ELONGATED BOWL, 1-1/2" TOP SPUD, SIPHON JET TOILET WITH WALL SUPPLY, SLOAN ROYAL 111 ESS HARDWIRED-128-TNO 128 GPF EXPOSED SENSOR FLUSH VALVE, KOHLER K-4751-O OPEN FRONT SEAT, PROVIDE ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION, REFER TO ARCHITECTURAL FOR ADA MOUNTING HEIGHT.	4"	2"	1"	---
W-3	WATER CLOSET, STUDENTS - WALL HUNG KOHLER KINGSTON K-4325-O, VITREOUS CHINA, ELONGATED BOWL, 1-1/2" TOP SPUD, SIPHON JET TOILET WITH WALL SUPPLY, SLOAN ROYAL 111 ESS HARDWIRED-128-TNO 128 GPF EXPOSED SENSOR FLUSH VALVE, KOHLER K-4751-O OPEN FRONT SEAT, PROVIDE ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION.	4"	2"	1"	---
U-1A	URINAL, A.D.A. COMPLIANT, WALL HUNG, KOHLER BARDON K-4991-ER-SS-O, VITREOUS CHINA 3/4" INLET TOP SPUD WASHOUT URINAL WITH FULLY ENCLOSED P-TRAP, SLOAN ROYAL 106 ESS HARDWIRED-128-DBP-TNO-HW EXPOSED SENSOR FLUSH VALVE, 125 GPF, PROVIDE ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION, REFER TO ARCHITECTURAL FOR CHILD HEIGHT ADA MOUNTING.	2"	1 1/2"	3/4"	---
L-1A	LAVATORY, WALL HUNG, BRADLEY 'CONCAVE' FL-L-NSD-PT-TMA-CW, MOLDED ONE-PIECE DESIGN WITH INTEGRAL BOWL, TRAP AND TRANSITION COVER, ENCLOSURE AND CENTER SHANK CAPACITIVE SENSING FAUCET WITH HARDWARE 110 VOLT OPERATION, 0.8 GPM, PROVIDE WITH 'TMA' MIXING VALVE ASSEMBLY, 1-1/2" CHROME PLATED CAST BRASS P-TRAP, SUPPLIES, BRASS ANGLE STOPS WITH LOOSE KEY OPERATION, GRID DRAIN, ETC. FOR COMPLETE INSTALLATION, COORDINATE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION, FURNISH WITH PRV VALVES, REDUCE PRESSURE TO: 40 - 70 PSI.	1 1/2"	1 1/2"	1/2"	1/2"
L-2A	LAVATORY, WALL HUNG, BRADLEY 'MG-2' (RP-NSD-TMA-S-CHROME) TWO STATION, HARDWIRED 110 VOLT CONTINUOUS FLOW, WITH INTEGRAL SPRAYHEADS, TRAP AND TRANSITION COVER, ENCLOSURE AND INDEPENDENT IR SENSOR FOR SPRAYHEADS, 0.8 GPM, PROVIDE WITH 'TMA' MIXING VALVE ASSEMBLY, 1-1/2" CHROME PLATED CAST BRASS P-TRAP, SUPPLIES, BRASS ANGLE STOPS WITH LOOSE KEY OPERATION, GRID DRAIN, ETC. FOR COMPLETE INSTALLATION, COORDINATE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION, FURNISH WITH PRV VALVES, REDUCE PRESSURE TO: 40 - 70 PSI, TERRECON BOWL: 'S-MIST'.	2"	1 1/2"	1/2"	1/2"
WHA	WATER HAMMER ARRESTOR, PRECISION PLUMBING PRODUCTS (PPP) SC SERIES, 1/2"-1", SIZE PER MANUFACTURE RECOMMENDATIONS AND REQUIREMENTS.	---	---	1/2"-1"	---
TR	SLOAN EL-54 TRANSFORMER FOR HARDWIRED FLUSH VALVES.	---	---	---	---
TP	ELECTRIC TRAP PRIMER, PRECISION PLUMBING PRODUCTS (PPP) PT SERIES, CONSISTING OF CIRCUIT BREAKER (MIN. 2 AMP), SWITCH TIMER, SOLENOID VALVE, ANTI-SIPHON ATMOSPHERIC VACUUM BREAKER, 120V, SINGLE PHASE, FLUSH MOUNT CABINET BASED ON WALL CONDITIONS (REFER TO DWGS) COORDINATE ACCESS PANEL, FINISH WITH ARCHITECT, COORDINATE NUMBER OF OUTLETS AS REQUIRED BY QUANTITY OF DRAINS, INSTALL PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.	---	---	3/4"	---

NOTES:
1. LAVATORY & WATER COOLERS SUPPLY SHALL BE BRASS W/BRASS ANGLE STOPS FOR 1/2" WATER SUPPLY LINES, W/LOOSE KEY (W/CAP) AND WALL FLANGE. ALL COMPONENTS SHALL BE POLISHED CHROME FINISH MANUFACTURE BRASS CRAFT OR APPROVED EQUAL.
2. CAST BODY 1" TRAP 1-1/2" X 1-1/2" WITH HEAVY CAST J-BEND & FLAT CLEANOUT PLUG, SLIP NUTS AND WALL FLANGE. ALL COMPONENTS SHALL BE POLISHED CHROME FINISH MANUFACTURER: BRASS CRAFT OR APPROVED EQUAL.
3. STRAINERS SHALL BE FURNISHED WITH FIXTURES AS REQUIRED, FOR H/C LAVATORY OR SINKS PROVIDE OFFSET TAIL-PIECE.
4. PROVIDE TRIBEBO MODEL 100 (WHITE ANTIMICROBIAL HAND LAV-GUARDS) INSTALLATION KIT FOR ALL WHEELCHAIR LAVATORY & SINKS FOR WATER SUPPLIES & WASTE LINE.
5. PROVIDE WATER SUPPLY & 1" TRAP & OPTIONAL WATER FILTERS FOR ELECTRIC WATER COOLERS AS PER MANUFACTURER'S RECOMMENDATIONS.
6. THE PLUMBING FIXTURES VENDOR SHALL COORDINATE WITH THE PLUMBING AND GENERAL CONTRACTOR ALL PLUMBING FIXTURES ROUGH IN DIMENSIONS BEFORE CONSTRUCTION BEGINS.
7. UNLESS SHOWN ABOVE, PLUMBING FIXTURES MANUFACTURER, TRIM COLOR AND FINISH SHALL BE FURNISHED AS DIRECTED BY OWNER/ARCHITECT.
8. REFER TO ARCHITECTURAL DRAWINGS FOR STANDARD ADA MOUNTING AND CHILD HEIGHTS.
9. CONTRACTOR TO PROVIDE AN EXTRA 10% OF BATTERIES, AERATORS, CARTRIDGE, ETC.
10. ALL HARD WIRED FAUCETS TO A HAVE BOX MOUNTED TRANSFORMER ABOVE CEILING, REFER TO ELECTRICAL DOCUMENTS FOR LOCATIONS AND CONNECTION POINT. CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) SLOAN EL-54 TRANSFORMERS.
11. PROVIDE PRESSURE REDUCING VALVES FOR BRADLEY LAVATORIES TO ACCOMMODATE MANUFACTURE RECOMMENDED WORKING PRESSURES, HONEYWELL DS06-100-SUT-LF, NO EXCEPTIONS.

PIPE AND FITTING SCHEDULE						
DESCRIPTION	SIZE	PIPE		FITTING		REMARKS
		TYPE	SCHEDULE	TYPE	RATING	
SOIL, WASTE AND VENT ABOVE GROUND	ALL	CAH	SV	CI	SV	1" SAND FOR 4" AND SMALLER 6" SAND FOR LARGER THAN 4"
SOIL, WASTE AND VENT BELOW GROUND	ALL	CLHES	SV	CI	SV	---
DOMESTIC COLD WATER WITHIN BUILDING	ALL	COPPER	TYPE L	CUS	STD	HARD TEMPERED
DOMESTIC HOT WATER WITHIN BUILDING	ALL	COPPER	TYPE L	CUS	STD	HARD TEMPERED
DOMESTIC HOT WATER RECIRCULATION WITHIN BUILDING	ALL	COPPER	TYPE L	CUS	STD	HARD TEMPERED
TRAP PRIMER PIPING	ALL	PEX	---	---	---	NO JOINTS ALLOWED BELOW SLAB

NOTES:
1. TRANSITION COUPLINGS AND NO-HUB PIPE SHALL NOT BE INSTALLED BELOW SLAB OR IN ANY BURIED CONDITIONS IN CONTACT WITH EARTH.
2. ALL PIPING IN RETURN AIR CEILING PLENUM INSTALLATIONS SHALL BE UL-LISTED FOR THIS APPLICATION.
3. MECHANICAL JOINTS ARE ALLOWED FOR SERVICE, PURPOSED ONLY IN WALLS AND CEILINGS BUT MUST BE READILY ACCESSIBLE. 15/50 PVDF IS UL-LISTED FOR RETURN AIR CEILING PLENUM INSTALLATIONS.

ABBREVIATIONS	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
CI	CAST IRON	PEX	PEX PIPING
CUS	WROUGHT COPPER SOLDER (95/5)	STD	STANDARD
HES	HUB AND SPIGOT	SV	SERVICE WEIGHT
NH	NO HUB W/SUPER DUTY HUSKY SD 4000 CLAMP		

VALVE SCHEDULE									
DESCRIPTION	SIZE	TYPE						CLASS	REMARKS
		GATE	GLOBE	CHECK	BALL	PRV	BALANCE		
DOMESTIC COLD WATER	3" AND SMALLER	---	---	CVT	BYT	PRV	---	125PSI	---
DOMESTIC HOT WATER	3" AND SMALLER	---	---	CVT	BYT	PRV	CBV	125PSI	---

NOTES:
1. PRESSURE REDUCING VALVE: WATTS LF168-GG, BRONZE, NSF, LEAD FREE WITH INTEGRAL STRAINER & PRESSURE GAUGE.
2. CALIBRATED PRESSURE RELIEF VALVE: INSTALL A MINIMUM OF 12" ABOVE WATER HEATER AND PIPE DISCHARGE TO ADEQUATE LOCATION, WATTS MODEL 640C.

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
BYT	BALL VALVE THREADED - 2-PIECE, FULL PORT, 400PSI BRONZE	CVT	CHECK VALVE THREADED - BRONZE
CBV	CALIBRATED BALANCING VALVE - BRONZE	PRV	PRESSURE REDUCING VALVE - BRONZE



HVAC NOTES

1. REFER TO NOTES ON DRAWING M001.

HVAC PIPING NOTES

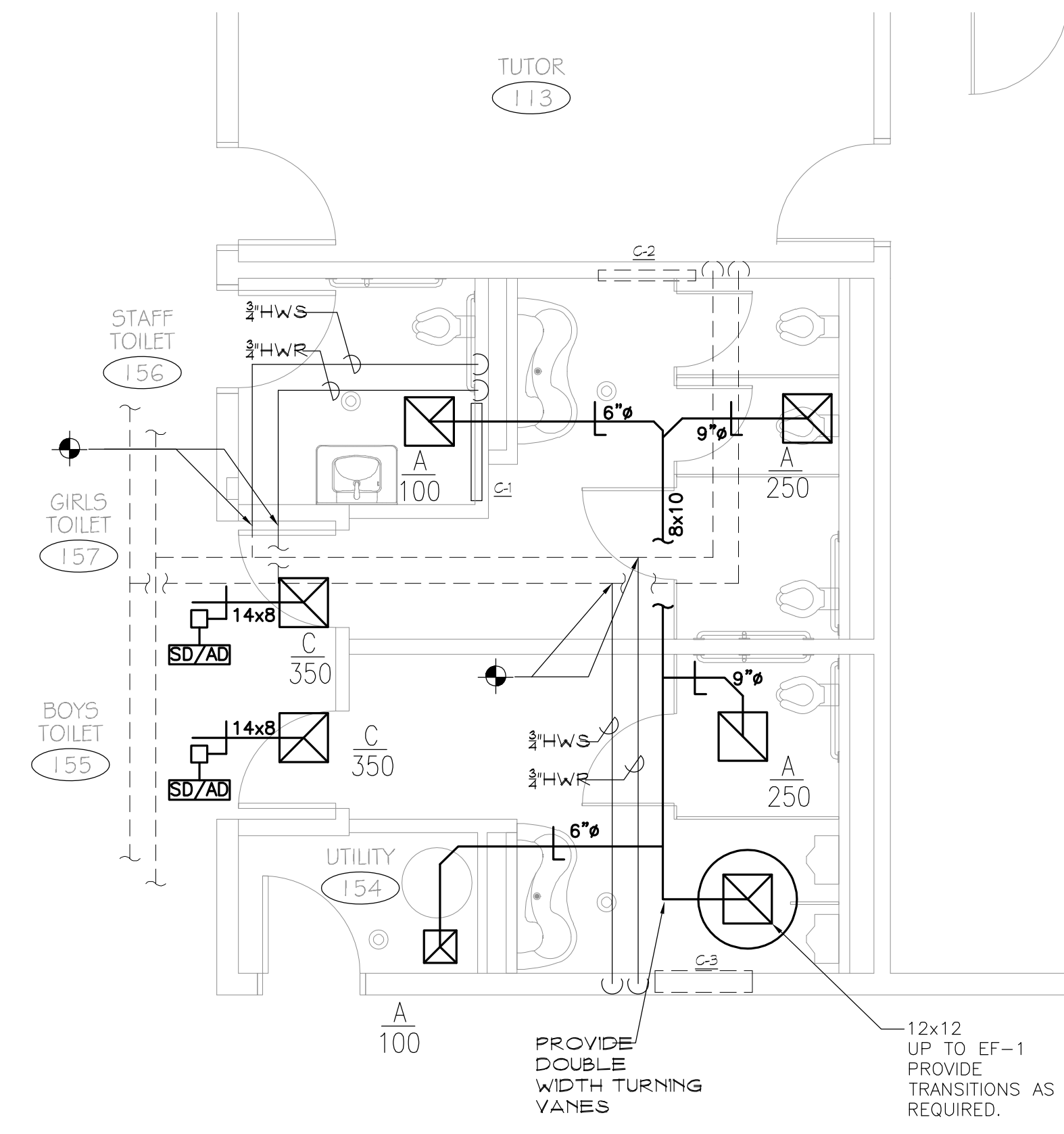
1. REFER TO NOTES ON DRAWING M001.

DEMOLITION NOTES (X)

1. REMOVE EXISTING AIR OUTLET/INLET AND ASSOCIATED DUCTWORK, INSULATION, SUPPORTS, HANGERS, ETC.
2. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN, CURB & ASSOCIATED DUCTWORK. COORDINATE FAN REMOVAL WITH ELECTRICAL. COORDINATE WITH ARCHITECTURAL.
3. REMOVE EXISTING INSULATION, MASTIC, AND COVERINGS ON EXPOSED PIPING.
4. REMOVE EXISTING HOT WATER CONVECTORS.
5. REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING.
6. REMOVE EXISTING SMOKE DAMPERS. COORDINATE WITH ELECTRICAL AND BUILDING FIRE ALARM SYSTEM.

HVAC NOTES:

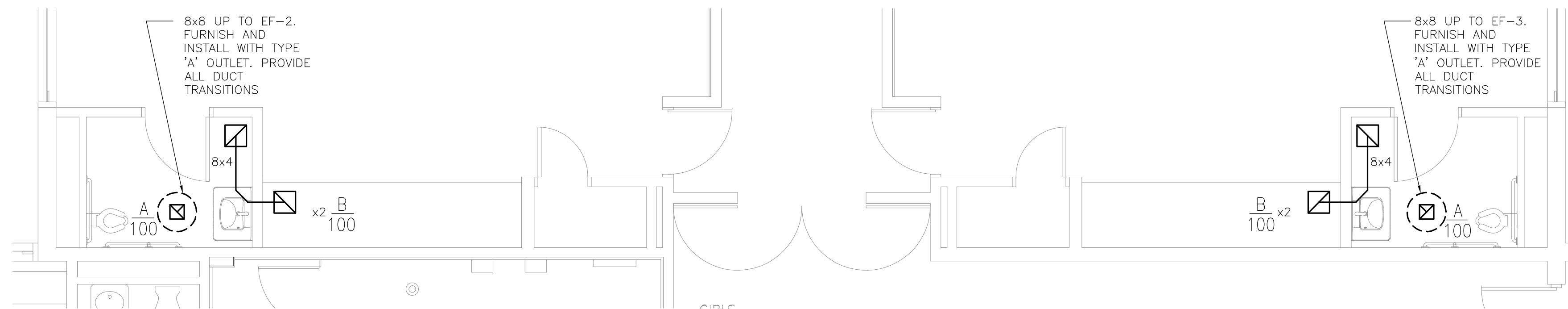
1. REFER TO DWG. M001 FOR GENERAL AND HVAC NOTES.
2. PROVIDE ALL OFF-SETS AS REQUIRED FOR DUCTWORK TO CLEAR ALL DEVICES, STRUCTURAL MEMBERS, ASSOCIATED PIPING ETC.
3. TRANSITION NEW DUCTS AT CONNECTIONS TO FANS AND AIR OUTLETS/INLETS TO MATCH CONNECTING SIZES.
4. ALL DUCTWORK SHALL BE SHEET METAL AND TO SMACNA STANDARDS.
5. PROVIDE VOLUME DAMPERS ON ALL EXHAUST BRANCH TAKE-OFF.
6. PROVIDE FIRE DAMPERS AND/OR SMOKE DAMPERS IN ALL RATED WALLS, CONFIRM ALL WALL RATING WITH ARCHITECTURAL.
7. PROVIDE SLEEVES FOR ALL PENETRATIONS THROUGH WALLS. PACK WITH FIRE CAULK FOR RATED WALLS. CORE DRILL WALLS AS REQUIRED.
8. THIS CONTRACTOR SHALL NOTE THAT FULLY COORDINATED DUCTWORK SHOP DRAWINGS MUST CLEARLY INDICATE ALL LIGHTING, CONDUIT, STRUCTURAL, ROUTING OF ALL DUCTWORK SUBJECT TO ARCHITECT APPROVAL.
9. CONTRACTOR TO NOTE THAT FINAL ARRANGEMENT FOR DUCTWORK LAYOUT SUBJECT TO ENGINEER AND ARCHITECT APPROVAL.
10. CONTRACTOR TO ENSURE ALL MOTOR EFFICIENCIES ARE PROVIDED AT MAXIMUM.
11. CONTRACTOR TO NOTE THAT ALL EXPOSED PRODUCTS SHALL BE PROVIDED WITH CUSTOM COLORS AS SELECTED BY ARCHITECT.



TOILET ROOM FLOOR PLAN

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

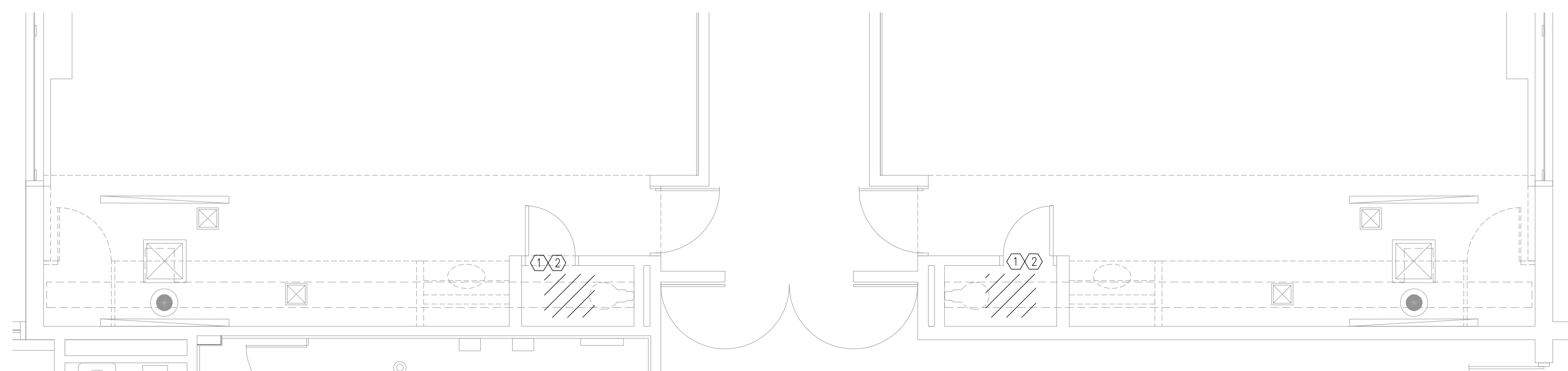
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M101



TOILET ROOM FLOOR PLAN

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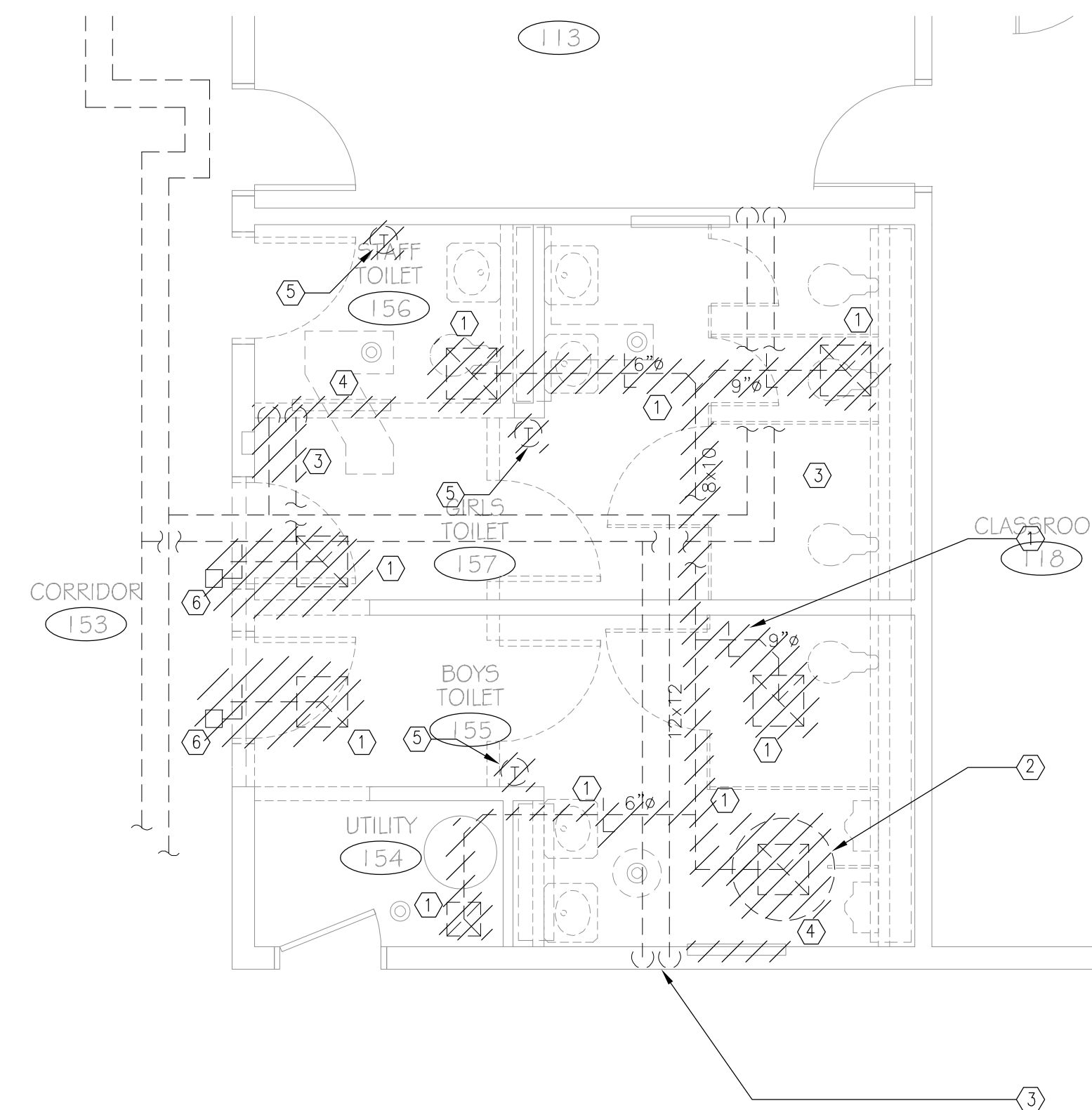
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TOILET ROOM FLOOR PLAN-DEMOLITION

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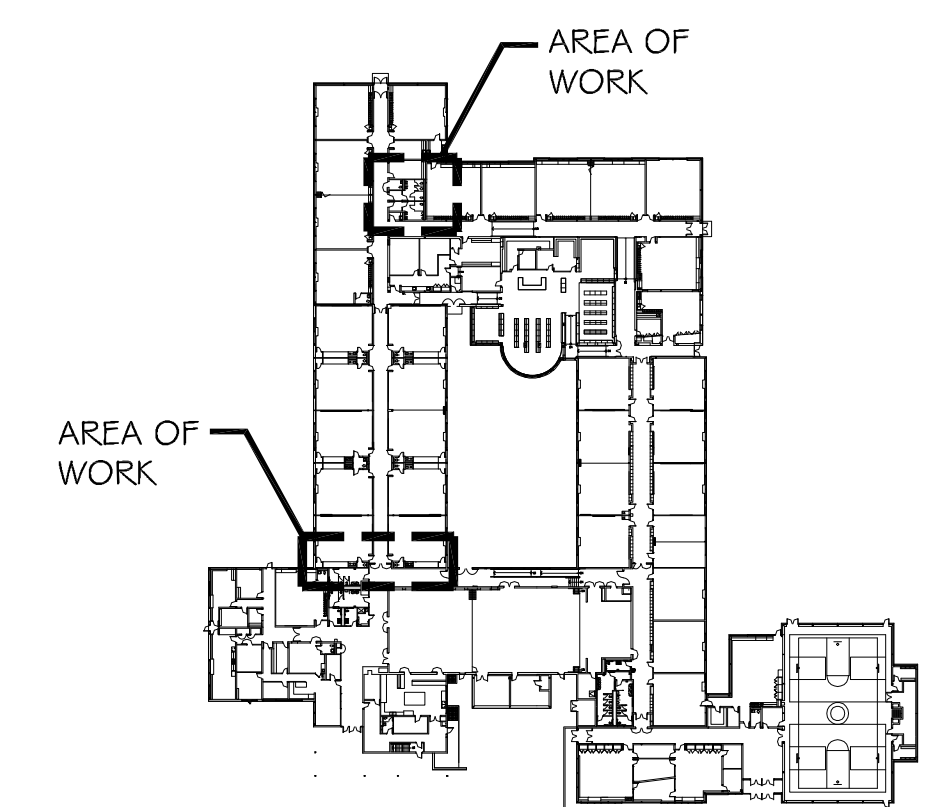
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M101



TOILET ROOM FLOOR PLAN-DEMOLITION

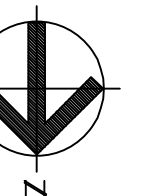
SCALE: 1/4" = 1'-0"

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M101



MAIN LEVEL KEY PLAN

NOT TO SCALE



Revision	Description	Date	Revised By

TRANSFER / EXHAUST GRILLE SCHEDULE							
TAG	SIZE	CFM RANGE	TYPE	STATIC PRESS (IN W.G.)	MODEL	MANUFACTURER	NOTES
A	10x10	100 - 275	EXHAUST	10	355	TITUS	12.3
B	10x10	75 - 300	TRANSFER	10	50 R	TITUS	12.4
C	18x8	300-560	TRANSFER	10	50 R	TITUS	12.4
D	18x8	600-1000	TRANSFER	10	50 R	TITUS	12.4

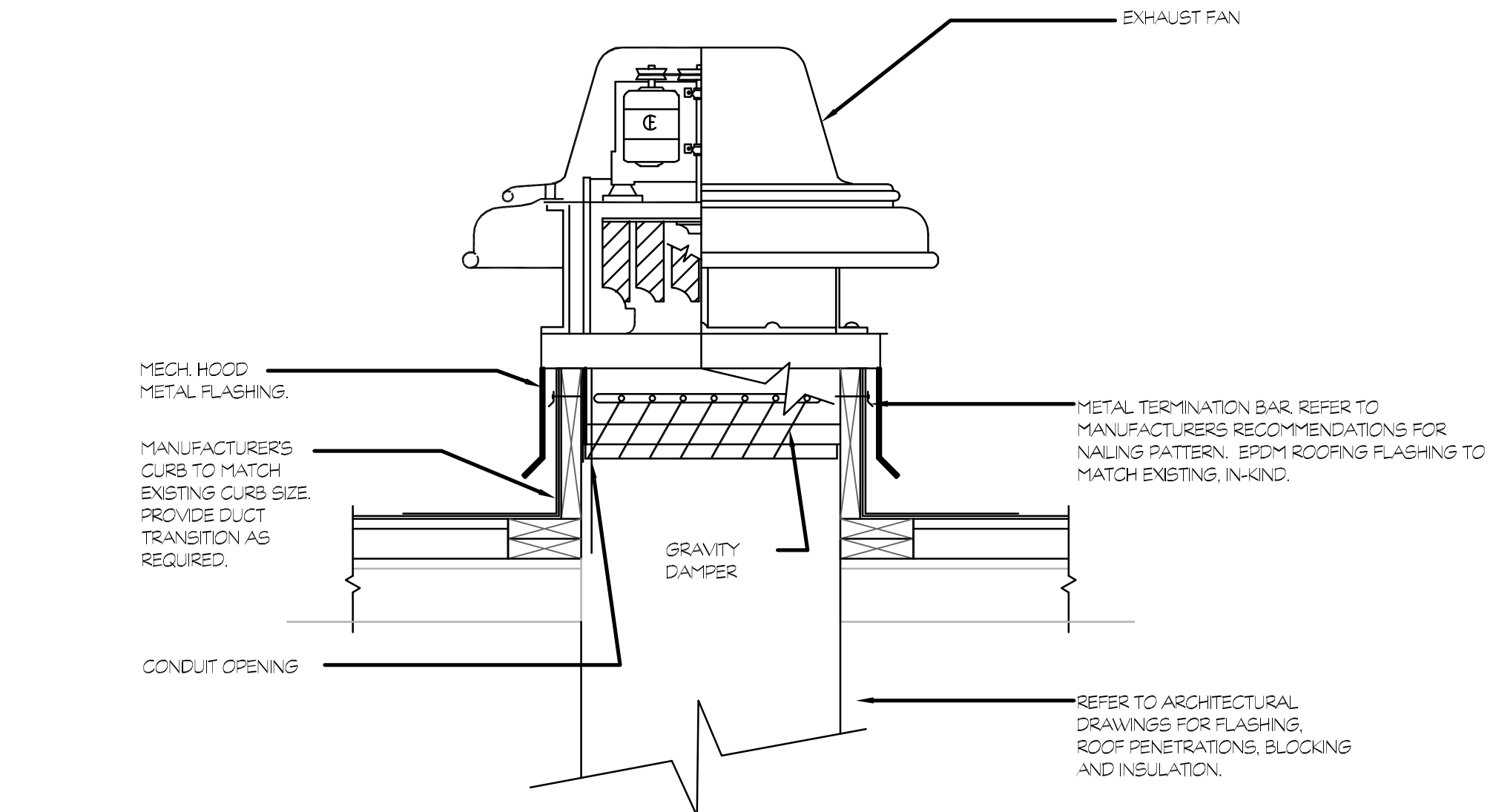
- NOTES:
 1. PROVIDE WITH OPTIONAL OPPOSED BLADE DAMPER.
 2. STANDARD FINISH SHALL BE B36 WHITE.
 3. MATERIAL SHALL BE ALUMINUM.
 4. MATERIAL SHALL BE STEEL BORDER WITH ALUMINUM GRID.

EXHAUST FAN SCHEDULE										
SYMBOL	AREA SERVED	CFM	EXHAUST STATIC PRESS (IN W.G.)	ELECTRICAL		FPM	L-MAX (SCANS)	DRIVE	MODEL	NOTES
				VOLTS (Ø)	HP (W)					
EF-1	GRLS / BOYS / STAFF	700	.5	151	1/8	1828	9.7	DIRECT	G-085-V	12.3,4,5,6
EF-2	CLASSROOM	100	.25	151	1/10	1477	3.3	DIRECT	G-085-V	12.3,4,6,7
EF-3	CLASSROOM	100	.25	151	1/10	1477	3.3	DIRECT	G-085-V	12.3,4,6,7

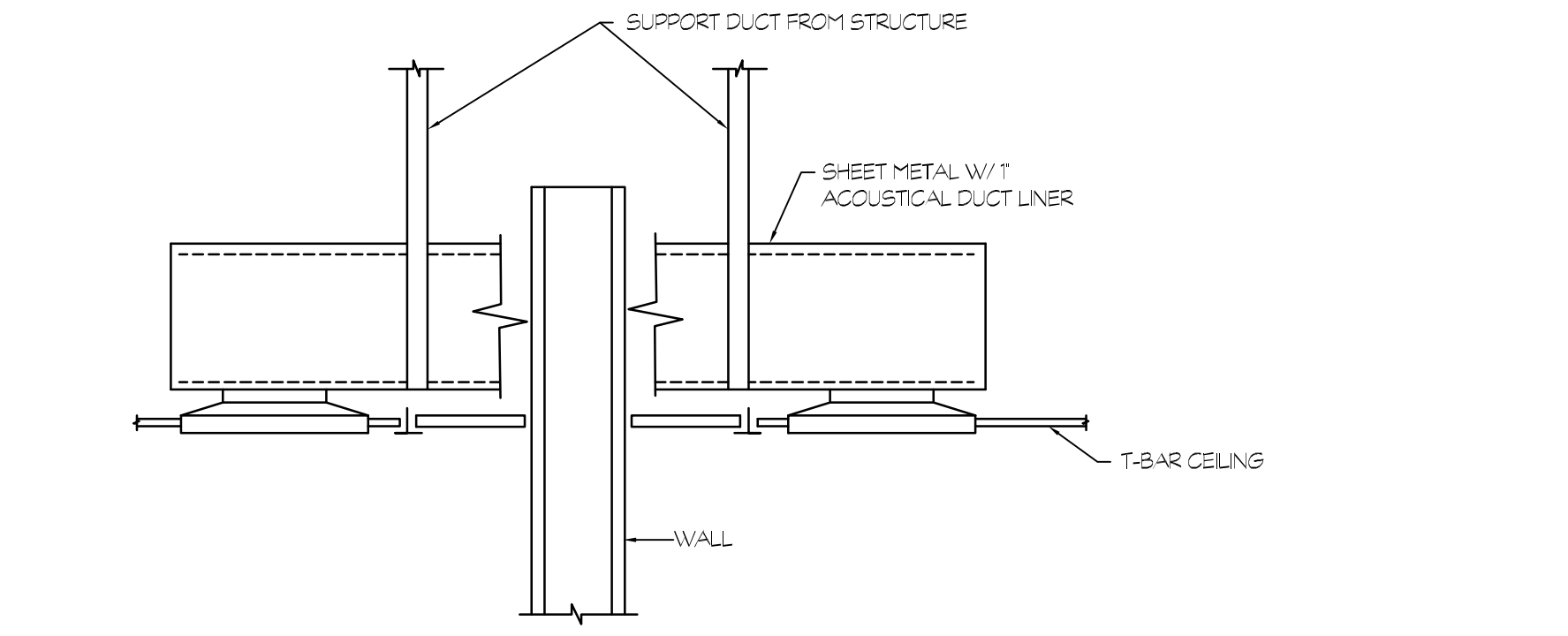
- NOTES:
 1. BASED ON GREENHECK CONTRACTOR TO VERIFY PITCH OF ROOF. CONTRACTOR TO MODIFY ROOF AS REQUIRED FOR DUCT/CURB PENETRATION. COORD. WITH HAZMAT.
 2. PROVIDE WITH VAR-GREEN EC MOTOR WITH DIAL. CONNECT OCCUPANCY SENSORS TO START FAN WHEN ACTIVATED.
 3. PROVIDE WITH NE-14" TOGGLE SWITCH.
 4. PROVIDE WITH ROOF CURB. GPP-1718 WITH T INSULATION. CURB SIZE SHALL MATCH THE EXISTING CURB SIZE. PROVIDE SHEET METAL TRANSITION AS REQUIRED.
 5. PROVIDE WITH ACCESS DOORS IN THE FRONT PANEL.
 6. PROVIDE WITH GRAVITY DAMPER 50-100.
 7. PROVIDE WITH BRD SCREEN.
 8. PROVIDE WITH GRAVITY DAMPER 50-20.

CONNECTOR SCHEDULE											
SYMBOL	MANUFACTURER/ MODEL #	EWT (F)	LWT (F)	CAPACITY (MBH)	GPM	FLUID PRESS. DROP (FT W.G.)	UNIT DIMENSIONS (IN)			TYPE	NOTES
							HEIGHT	LENGTH	DEPTH		
C-1	RITTLING / PL-20-38-04	150	155	2.9	5	2	20	38	4	FULLY RECESSED	12.3,4,5,6,7,8
C-2	EXISTING TO REMAIN	---	---	---	---	---	---	---	---	---	8,9
C-3	EXISTING TO REMAIN	---	---	---	---	---	---	---	---	---	8,9

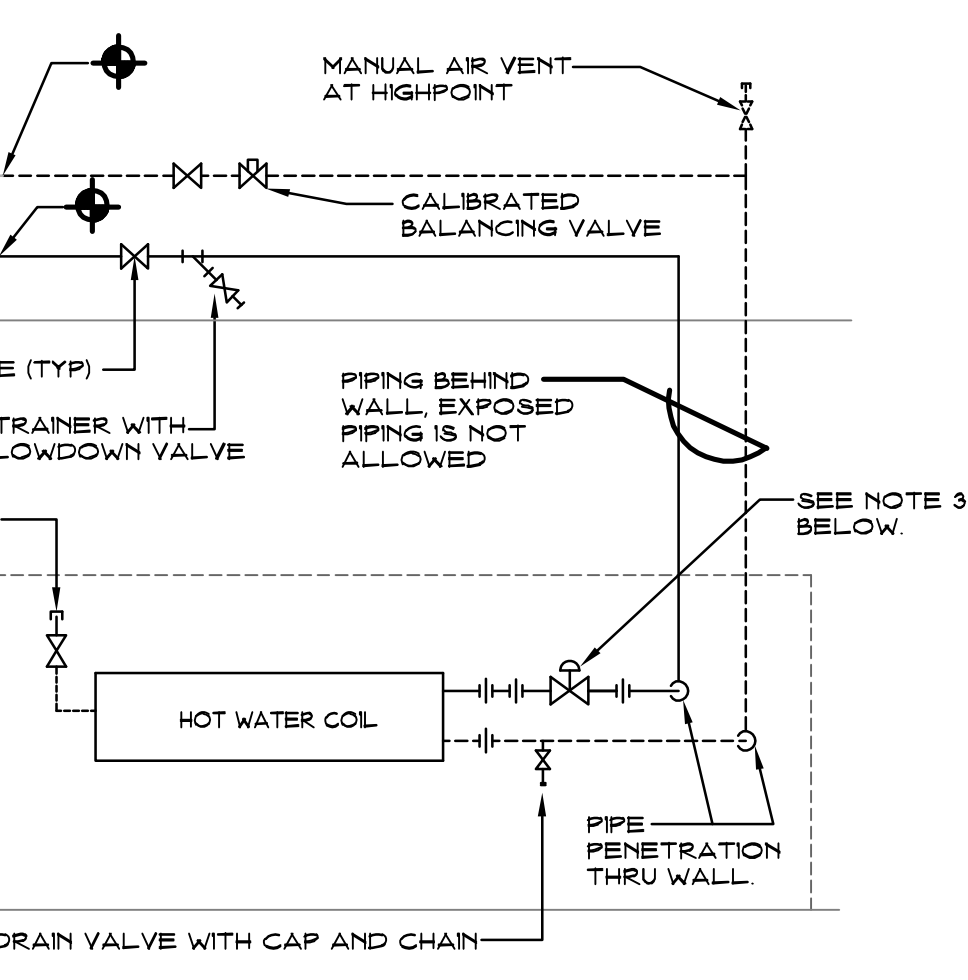
- NOTES:
 1. UNIT IS RECESSED.
 2. PROVIDE WITH 1/4 GAUGE SHEET METAL.
 3. PROVIDE WITH FRONT INLET AND OUTLET LOUVERS.
 4. PROVIDE WITH ALLEN KEY FASTENERS.
 5. PROVIDE WITH ACCESS DOORS IN THE FRONT PANEL.
 6. PROVIDE WITH ALLEN KEY CONTROL DAMPER.
 7. PROVIDE WITH DAMPER CONTROL INCB.
 8. PROVIDE WITH NEW THERMOSTATIC CONTROL VALVE.
 9. CONTRACTOR SHALL REMOVE EXISTING COVER. CLEAN SURFACE PREP AND PAINT AS REQUIRED. COLOR CHOICE BY ARCHITECT.



2 ROOF EXHAUST FAN DETAIL
 M201 SCALE: N.T.S

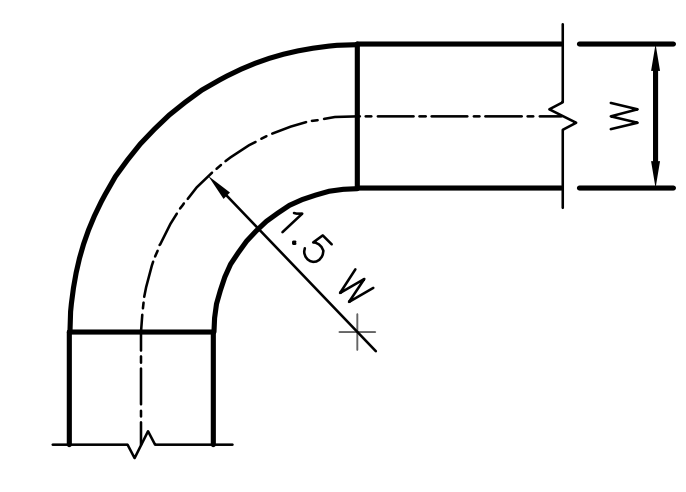


1 TRANSFER DUCT DETAIL
 M201 SCALE: N.T.S

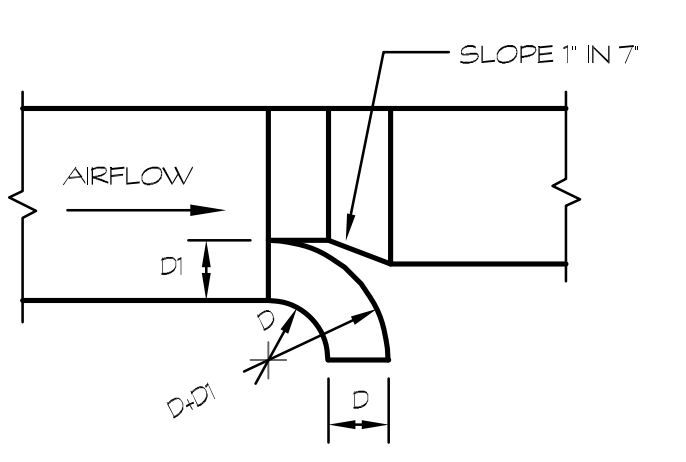


- NOTES:
 1. ALL PIPING SHALL BE WITHIN CABINET ENCLOSURE.
 2. ALL REQUIRED CONTROLLERS AND SENSORS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
 3. DAN FOSB THERMOSTATIC CONTROL VALVE #RA 2000 PROVIDE WITH EITHER STRAIGHT, ANGLE, SIDE-MOUNT ANGLE OR DOUBLE SOLDER UNION AS REQUIRED. VALVE IS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.

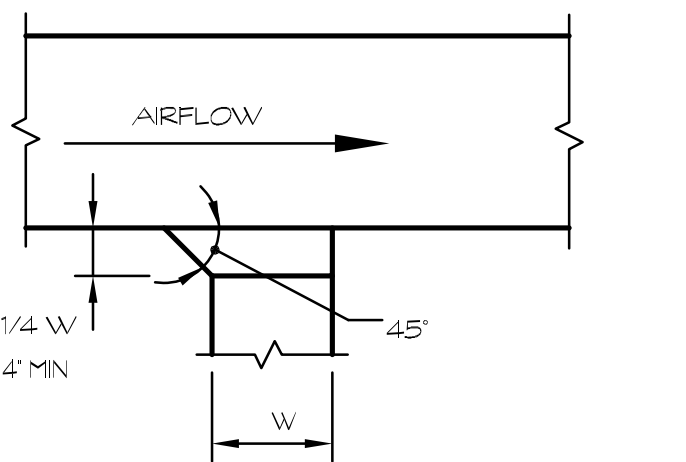
8 CONVECTOR PIPING DET.
 M201 SCALE: NOT TO SCALE



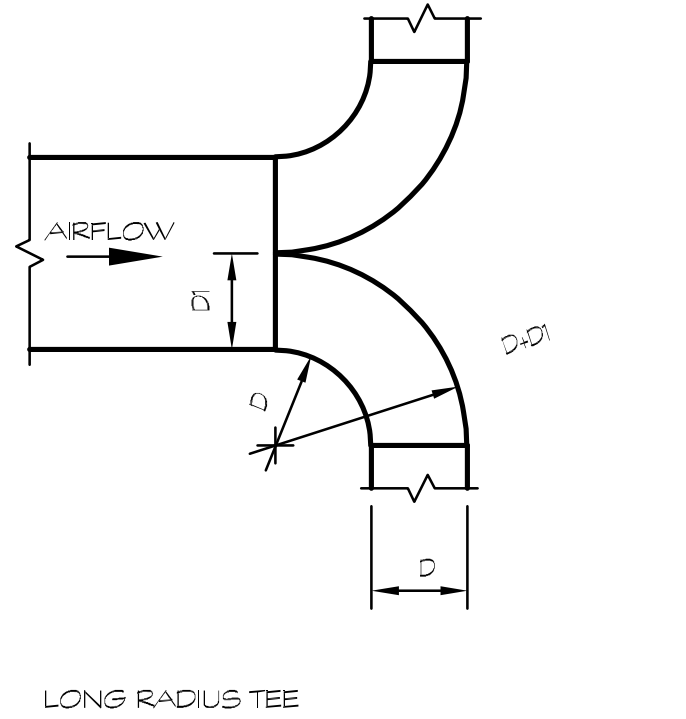
FULL RADIUS ELBOW
 SUPPLY AND RETURN DUCTS



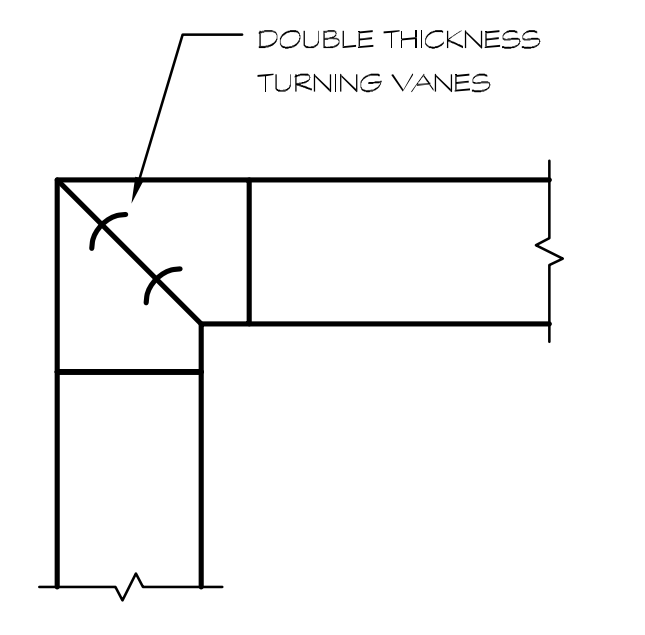
TAKE-OFF
 SUPPLY DUCTS ONLY



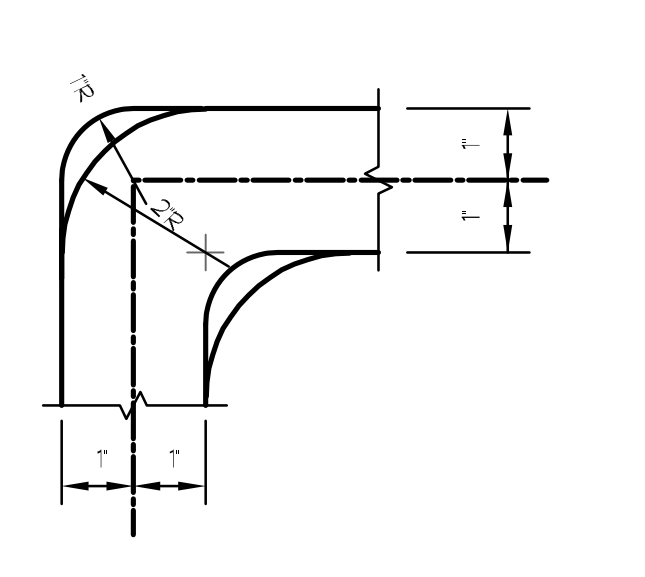
TAKE-OFF
 SUPPLY DUCTS ONLY



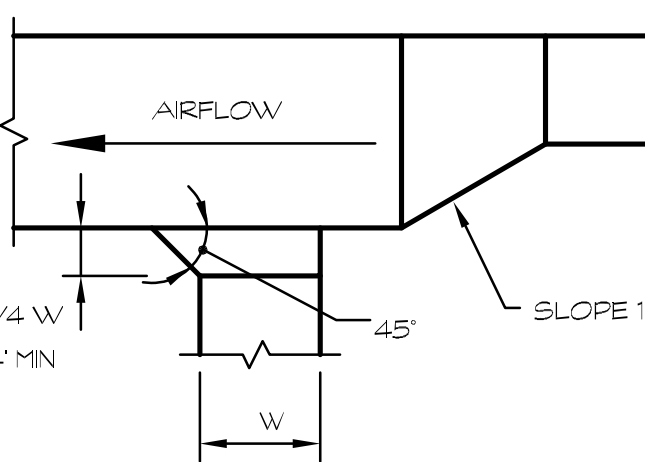
LONG RADIUS TEE
 RETURN DUCTS ONLY



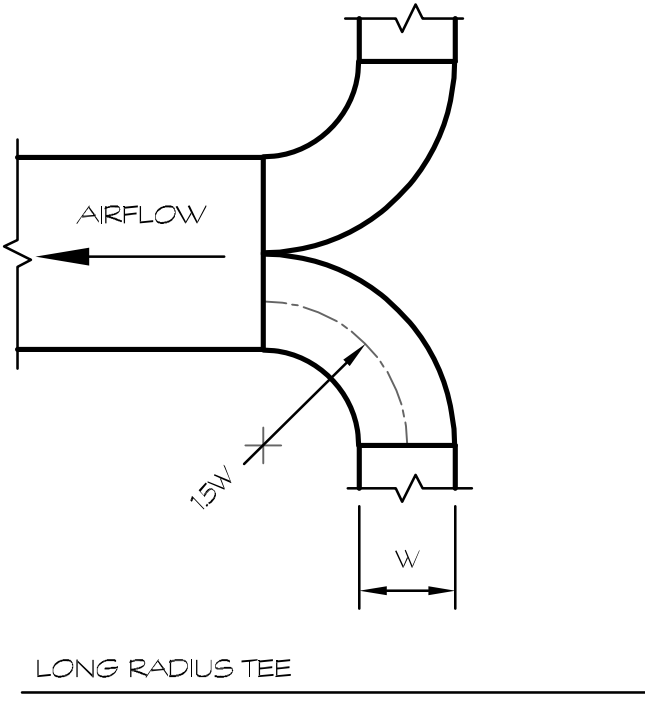
SQUARE ELBOW
 SUPPLY AND RETURN DUCTS



TYP. TURNING VANE
 SUPPLY AND RETURN DUCTS

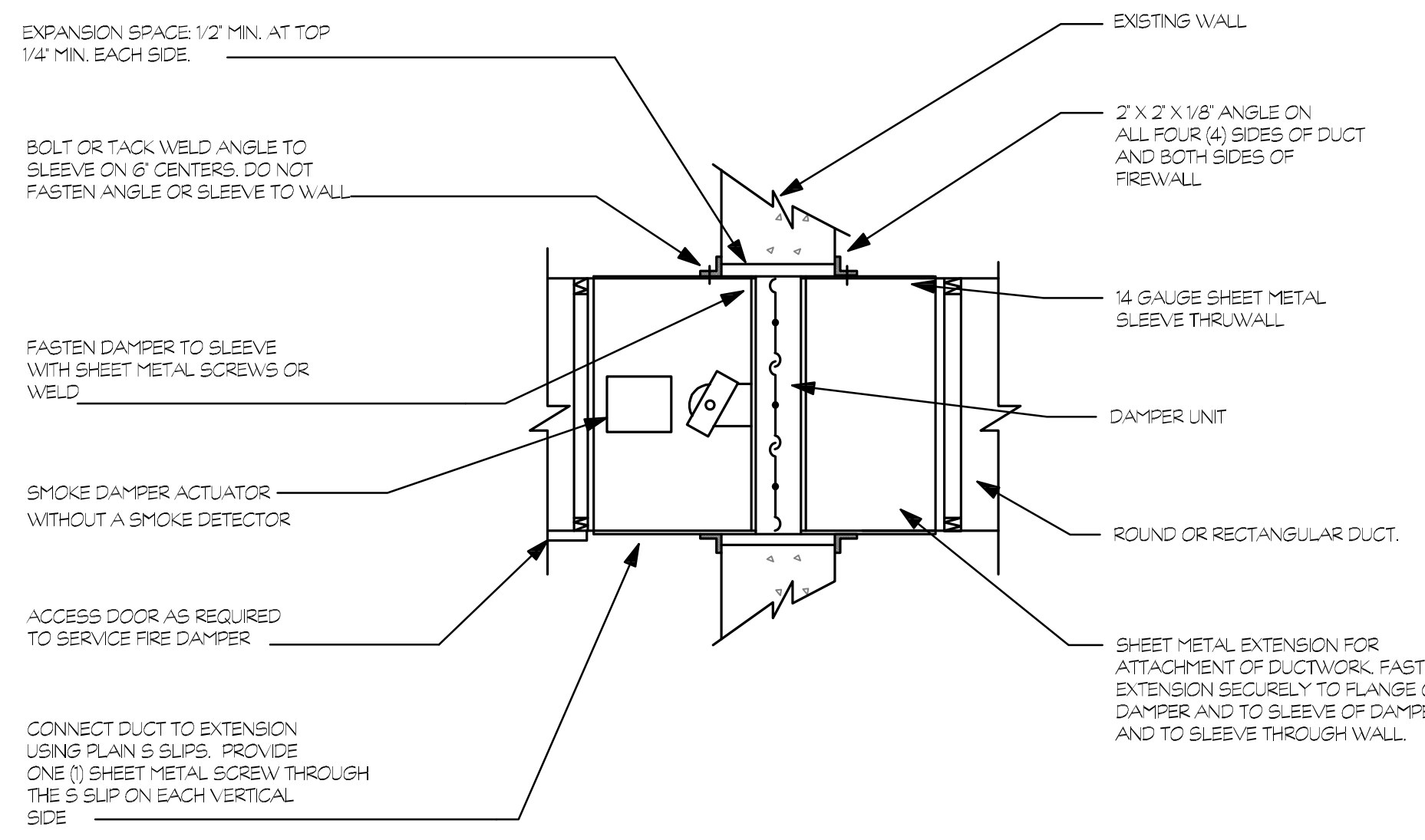


SQUARE ELBOW
 SUPPLY AND RETURN DUCTS

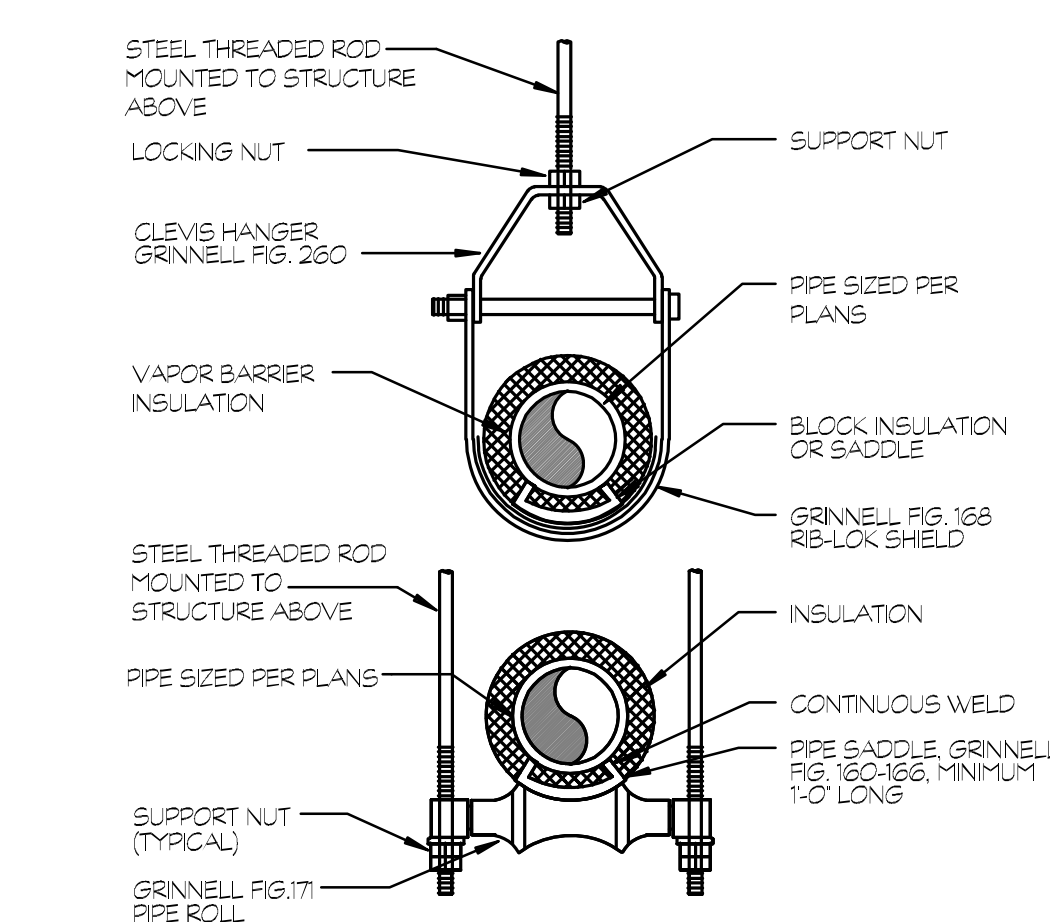


LONG RADIUS TEE
 RETURN DUCTS ONLY

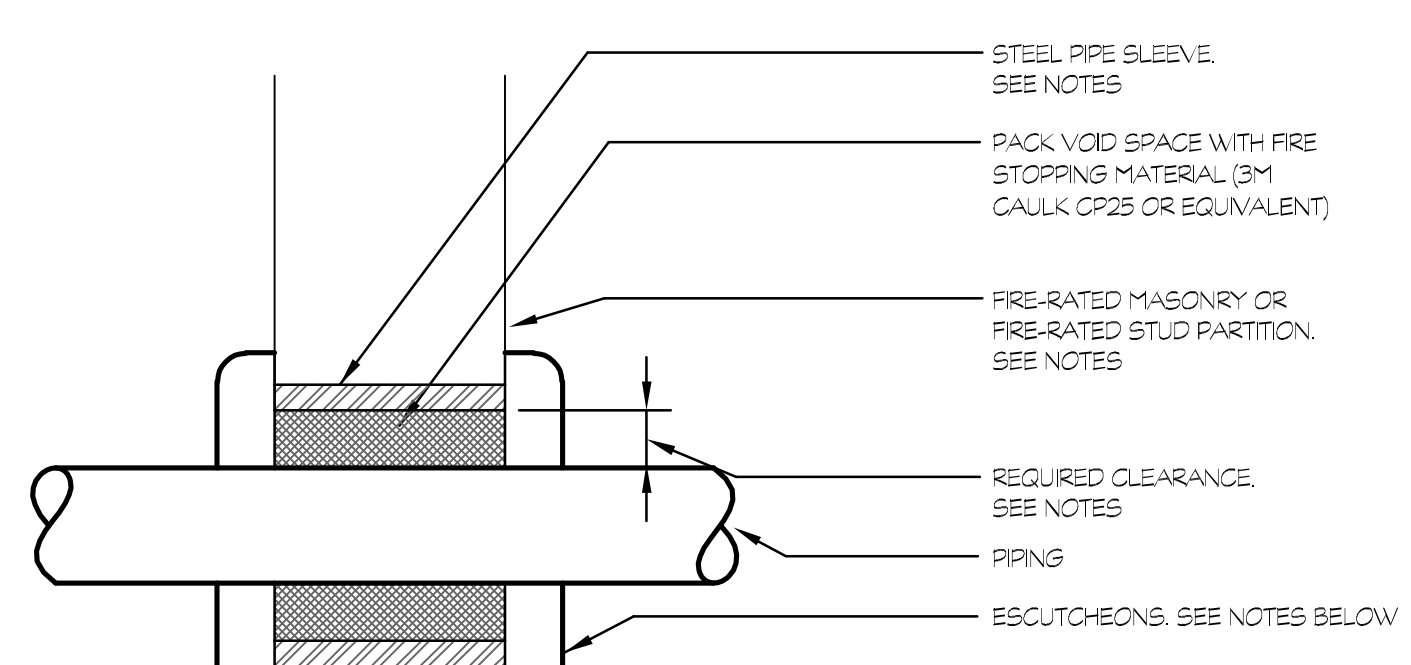
3 TYPICAL DUCT DETAIL
 M201 SCALE: N.T.S



6 SMOKE DAMPER DETAIL
 M201 SCALE: N.T.S

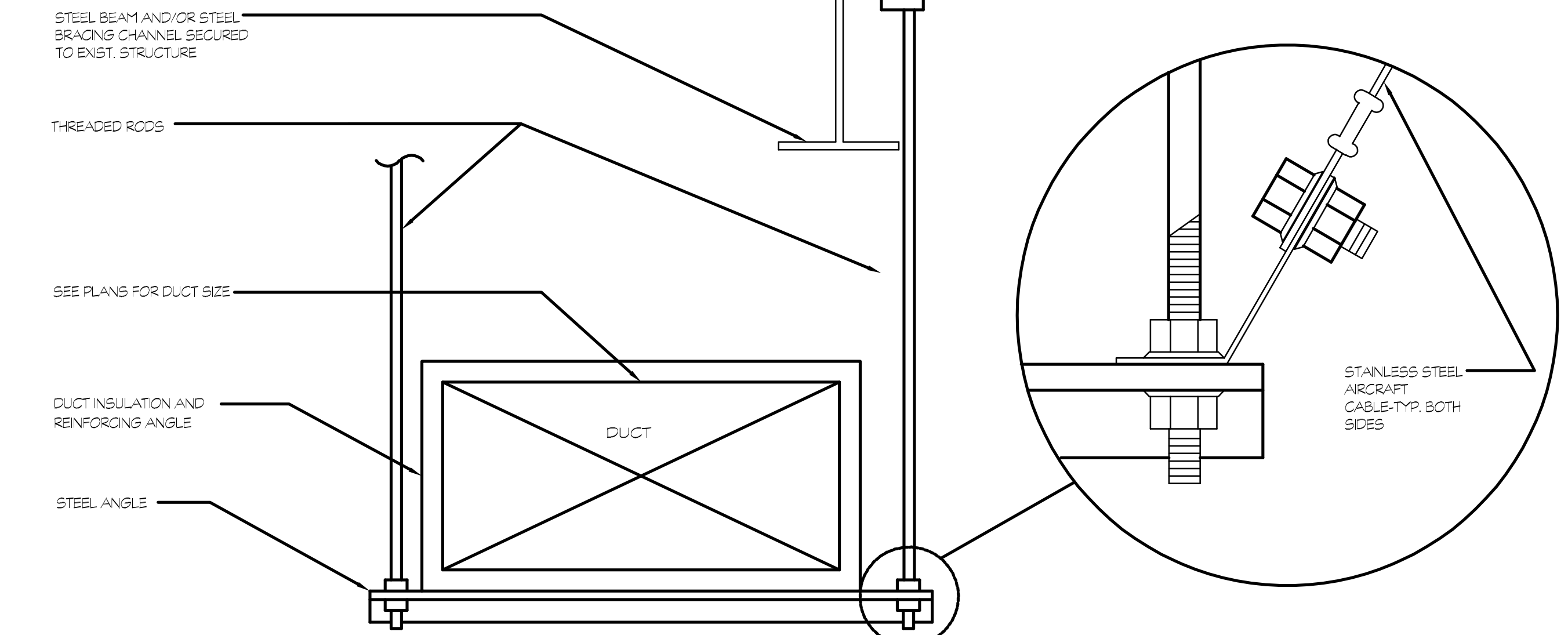


5 PIPE SUPPORT DETAIL
 M201 SCALE: N.T.S



- NOTES:
 PIPE SLEEVES:
 A. PIPE SLEEVES THROUGH FIRE-RATED MASONRY PARTITIONS OR FOUNDATION WALLS SHALL BE SCHEDULE 40 BLACK STEEL WITH MAXIMUM OF 1/2" CLEARANCE BETWEEN SLEEVES AND PIPE. SLEEVES SHALL BE EQUAL IN LENGTH TO DEPTH OF PARTITION OR WALL.
 B. PIPE SLEEVES THROUGH FIRE-RATED STUD PARTITIONS SHALL BE #16 GAGE GALVANIZED STEEL WITH MAXIMUM OF 1/2" CLEARANCE BETWEEN SLEEVE AND PIPE. SLEEVES SHALL BE EQUAL IN LENGTH TO DEPTH OF PARTITION.
 ESCUTCHEONS:
 A. ESCUTCHEONS IN FINISHED SPACES SHALL BE ANODIZED ALUMINUM OR CHROME-PLATED BRASS.
 B. ESCUTCHEONS IN UNFINISHED SPACES SHALL BE PLAN BRASS, ALUMINUM, GALVANIZED STEEL, OR CAST IRON.
 C. ESCUTCHEONS SHALL BE HELD IN PLACE BY INTERNAL SPRING TENSION OR SET SCREW.

7 WALL PENETRATION DETAIL
 M201 SCALE: NOT TO SCALE



4 DUCT SUPPORT DETAIL
 M201 SCALE: N.T.S

- NOTE:
 1. DO NOT SUPPORT DUCTS FROM METAL DECK.
 2. SIZE SUPPORT STEEL MEMBERS AS REQD.

GENERAL NOTES

GENERAL

- WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
- ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- REPAIR AND/OR REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
- ALL EQUIPMENT SHALL BE LOCATED IN ACCESSIBLE LOCATIONS, WHEN A PIECE OF EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL THEN THE APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. THESE SHALL BE COORDINATED WITH THE ARCHITECT.

WIRING & RACEWAY

- THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS. PROVIDE COMPLETE SYSTEMS. DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT RACEWAY LAYOUTS, BOXES, AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.
- ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND SHAPES OF EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON ELECTRICAL PLANS ARE APPROXIMATE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS, AND WITH JOB CONDITIONS. INSTALL SWITCHES WITH OFF POSITION DOWN. INSTALL RECEPTACLES WITH GROUNDING POLE IN THE UP POSITION FOR VERTICAL MOUNTING AND AT RIGHT FOR HORIZONTAL MOUNTING.
- LOCATE AND INSTALL ELECTRICAL EQUIPMENT, JUNCTION AND PULL BOXES, PANELBOARDS, SWITCHES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENANCE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

RACEWAY INSTALLATION

- IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILINGS, SLABS, MASONRY, AND PARTITIONS UNLESS OTHERWISE INDICATED. SAW CUTTING AND FINISHED PARTITIONS SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.
- UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT PROJECT REQUIREMENTS AND FIELD CONDITIONS.
- CONTRACTORS SHALL PROVIDE ALL REQUIRED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING WALLS OR FLOOR SLABS WITH UL LISTED FIRE STOPPING SEALANT WHERE REQUIRED.
- ELECTRICAL CONDUITS AND BOXES TO BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE. SURFACE CONDUIT IS UNACCEPTABLE.

WIRING INSTALLATION

- DO NOT USE WIRE SMALLER THAN NO. 12 AWG FOR ANY POWER OR LIGHTING CIRCUIT. USE LARGER SIZES WHERE INDICATED, AS REQUIRED BY CODES.
- MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FULL FOR 120 VOLT, 1.20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

LENGTH	CIRCUIT WIRE SIZE	HOMERUN WIRE SIZE	CONDUIT SIZE (8 WIRES/CONDUIT)
0 TO 50'	#12	#12	3/4"
51 TO 100'	#12	#10	3/4"
101 TO 200'	#10	#8	1"

GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.

NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN CONDUIT.

- DO NOT USE WIRE SMALLER THAN NO. 14 AWG FOR CONTROL CIRCUITS UNLESS OTHERWISE RECOMMENDED BY THE EQUIPMENT OR SYSTEM MANUFACTURER ON WIRING SHOP DRAWINGS, AND SO APPROVED BY THE ARCHITECT.
- WHERE GREATER THAN THREE (3) CURRENT-CARRYING CONDUCTORS ARE INSTALLED IN ANY ONE CONDUIT OR CABLE, CONDUCTORS MUST BE DERATED AND SIZES INCREASED, IF NEEDED, TO ACCOMMODATE CONDUCTOR DERATING AS REQUIRED BY NEC ARTICLE 310.
- CONDUCTORS SHALL BE COMPLETELY INSTALLED AND CONNECTED. PROVIDE ALL TERMINALS, LUGS, AND CONNECTORS TO SUIT THE APPLICATION, AND IN COMPLIANCE WITH EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
- UNDER NO CIRCUMSTANCES SHALL ANY SWITCH OR CIRCUIT BREAKER BREAK A NEUTRAL CONDUCTOR.
- NEUTRALS SHALL BE INSTALLED IN COMPLIANCE WITH ARTICLE 210.4.B OF THE NEC. EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES.

GROUNDING INSTALLATION

- EQUIPMENT GROUNDING
- INSTALL AN INSULATED GROUND CONDUCTOR, RUN IN THE RACEWAY WITH THE PHASE CONDUCTORS, FOR EACH FEEDER SERVING PANELBOARDS, LIGHTING DIMMER BOARDS, MOTOR CONTROL CENTERS, MOTORS, EQUIPMENT AND APPLIANCES UNLESS OTHERWISE NOTED.
- INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.
- INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.

TELECOMMUNICATIONS CLOSET GROUNDING

- PROVIDE A #4 AWG GROUND CONDUCTOR RISE IN 1" EMT CONDUIT TO EACH TELECOMMUNICATIONS CLOSET GROUNDING BUSBAR (TGB) FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), AND TO MAIN SERVICE GROUNDING ELECTRODE SYSTEM.
- CONNECT THE GROUND RISER TO TMGB AND TGB'S PER TABLE STANDARD 607 - 1994.
- PROVIDE ADDITIONAL #4 AWG GROUND CABLE CONNECTIONS FROM EACH TGB AND TGB TO THE CLOSEST BUILDING STEEL AND TO THE GROUND BUS IN THE ELECTRIC PANEL, FEEDING THE OUTLETS AND EQUIPMENT IN THE ASSOCIATED TELECOMMUNICATIONS ROOM/CLOSET.
- GROUND EACH TELECOMMUNICATIONS, FIRE ALARM, SECURITY, AND BMS SYSTEM EQUIPMENT AND CONTROL PANEL WITHIN EACH TELECOMMUNICATIONS ROOM/CLOSET TO THE ASSOCIATED CLOSET TGB OR TGB WITH A #4 AWG CONDUCTOR PER TABLE STANDARD 607 - 1994.

RACEWAYS FOR TELECOMMUNICATION SYSTEMS

- PROVIDE CONDUIT SYSTEMS FOR TELECOMMUNICATION WORK.
- WHEN COMPLETED THE CONDUIT SYSTEMS SHALL BE READY FOR THE INSTALLATION OF WIRING AND EQUIPMENT.
- FROM EACH OUTLET PROVIDE EMT CONDUIT ROUTED INTO THE CEILING CAVITY OR TO THE CLOSEST TELECOMMUNICATIONS CLOSET, PROVIDE A DRAG LINE IN EACH RUN AND TERMINATE IN A BUSHED ELBOW.

DEMOLITION

- ELECTRICAL DEMOLITION TO BE SUPERVISED BY LICENSED ELECTRICAL CONTRACTOR. EACH CIRCUIT SHALL BE VERIFIED 'COLD' & DISCONNECTED FROM ELECTRICAL SERVICE PRIOR TO COMMENCING REMOVAL.
- REMOVE EXISTING ELECTRICAL EQUIPMENT & MATERIALS AS REQUIRED TO ACCOMMODATE ARCHITECTURAL WORK AND AS SPECIFICALLY NOTED ON THE DEMOLITION DRAWINGS.
- ALL MATERIALS BEING REMOVED SHALL BE HANDLED IN A MANNER COMPLYING WITH ALL PERTINENT LAWS, CODES AND ENVIRONMENTAL REGULATIONS.
- WHERE ELECTRICAL EQUIPMENT & DEVICES ARE BEING REMOVED, COORDINATE AND FIELD VERIFY IF BRANCH CIRCUIT FEEDS THROUGH TO EQUIPMENT/DEVICES TO REMAIN. BRANCH CIRCUITS SHALL BE SPliced OR RELOCATED TO MAINTAIN CONTINUATION OF SERVICES.
- WHERE EXISTING DEVICES ARE REMOVED & NO NEW DEVICES ARE INSTALLED IN THE SAME LOCATION, REMOVE ALL WIRING FROM BOX & PROVIDE PROPERLY SIZED BLANK COVER PLATE.
- CONTRACTOR SHALL REMOVE ALL FLUORESCENT LIGHT FIXTURE BALLASTS & IDENTIFY THOSE CONTAINING PCB'S. THESE SHALL BE TURNED OVER TO THE OWNER FOR DISPOSAL.
- ALL REMOVED COMPONENTS SHALL BE LEGALLY DISPOSED OF BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- ELECTRICAL COMPONENTS SHOWN ON THE DEMOLITION DRAWINGS, AND THE ASSOCIATED CONDUIT, WIRE & BOXES ARE TO BE REMOVED AND DISPOSED OF UNLESS SPECIFICALLY NOTED OTHERWISE.

COORDINATION DRAWINGS

- DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.
- SHEET METAL AND PLUMBING SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER 'REVISED' OR 'FURNISH AS CORRECTED' PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.
- AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEER'S COMMENTS, REPROducible COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:
 - MECHANICAL SHEET METAL
 - PLUMBING PIPING
 - MECHANICAL PIPING
 - ELECTRICAL WORK
- AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWINGS IS RESPONSIBILITY OF CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
- THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
- SUBMIT FINAL SIGNED COORDINATION DRAWINGS TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.
- ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND REINSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS.
- EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.
- THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

AS-BUILT DRAWINGS

- PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET, SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEER'S COMMENTS TO PRODUCE A CLEAR AND CONDENSE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC (AUTO-CAD) VERSION AS REQUIRED BY THE OWNER. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.
- PROVIDE 'AS-BUILT DRAWINGS' INDICATING IN A NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS OF THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:
 - INCLUDE ALL CHANGES AND AN ACCURATE RECORD ON REPRODUCTIONS OF THE CONTRACT DRAWINGS OR APPROPRIATE SHOP DRAWINGS, OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND WORK INSTALLED.
 - EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.
 - APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
 - CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
 - SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.
 - SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

ELECTRICAL SYMBOLS

- RECESSED FIXTURE, REFER TO LIGHTING SCHEDULE FOR MORE INFORMATION
- FIXTURE W/EMERGENCY BATTERY PACK
- RECESSED LINEAR PERIMETER FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT MOUNTED LIGHT FIXTURE
- CEILING MOUNTED OCCUPANCY SENSOR
- SINGLE POLE TOGGLE SWITCH
- OCCUPANCY SENSOR SWITCH
- KEYED SWITCH
- FIRE ALARM HORN/STROBE
- FIRE ALARM STROBE
- DUCT SMOKE DETECTOR
- JUNCTION BOX
- DUPLEX RECEPTACLE
- GFCI RECEPTACLE
- HAND DRYER
- CALL FOR AID PULL STRING
- CALL FOR AID CORRIDOR DOME LIGHT
- PA SPEAKER
- CIRCUIT HOMERUN PANEL/BREAKER SLOT, CIRCUIT BREAKER SIZE

ABBREVIATIONS

- ETR EXISTING TO REMAIN
- ER EXISTING RELOCATED
- R REMOVE
- RE RELOCATE EXISTING

LIGHTING FIXTURE SCHEDULE

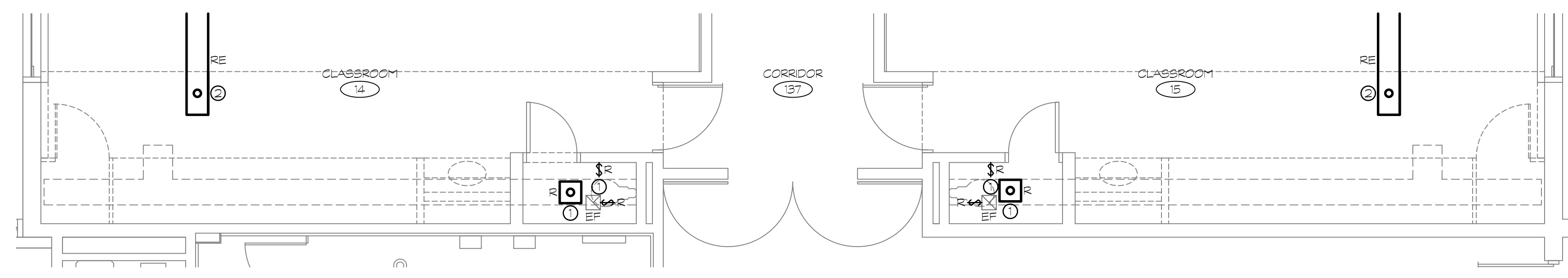
DESIGNATION	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	LAMP			ELECTRICAL		NOTES
			TYPE	COLOR TEMP	DRIVER	VOLTAGE	WATTS	
A1	LED RECESSED LINEAR WITH HIGH TRANSMISSION ACRYLIC 4' FIXTURE	MERCURY ARCHITECTURAL LIGHTING MLS3-G-48-400-40K-HTA18-U	LED	4000K	0-10V DIMMING	UNIVERSAL	14	⊙
A1E	LED RECESSED LINEAR WITH HIGH TRANSMISSION ACRYLIC 4' FIXTURE W/INTEGRAL BATTERY	MERCURY ARCHITECTURAL LIGHTING MLS3-G-48-400-40K-HTA18-U-EM7	LED	4000K	0-10V DIMMING	UNIVERSAL	14	⊙⊙
A2	LED RECESSED LINEAR WITH HIGH TRANSMISSION ACRYLIC 6' FIXTURE W/INTEGRAL BATTERY	MERCURY ARCHITECTURAL LIGHTING MLS3-G-72-400-40K-HTA18-U-EM7	LED	4000K	0-10V DIMMING	UNIVERSAL	20	⊙⊙
A3	LED RECESSED LINEAR WITH HIGH TRANSMISSION ACRYLIC 8' FIXTURE	MERCURY ARCHITECTURAL LIGHTING MLS3-G-96-400-40K-HTA18-U	LED	4000K	0-10V DIMMING	UNIVERSAL	27	⊙
A4	LED RECESSED LINEAR WITH HIGH TRANSMISSION ACRYLIC 10' FIXTURE	MERCURY ARCHITECTURAL LIGHTING MLS3-G-120-400-40K-HTA18-U	LED	4000K	0-10V DIMMING	UNIVERSAL	34	⊙
B1	LED RECESSED T-GRID TROFFER 2x2 W/INTEGRAL BATTERY	MERCURY ARCHITECTURAL LIGHTING LRS02-228-2200-40K-18-U-EM7	LED	4000K	0-10V DIMMING	UNIVERSAL	19	⊙⊙
C1	SURFACE MOUNTED 10" ROUND LED FIXTURE	LIGHTOLIER S10R840G2N20U	LED	4000K	0-10V DIMMING	UNIVERSAL	23	⊙

SCHEDULE NOTES:

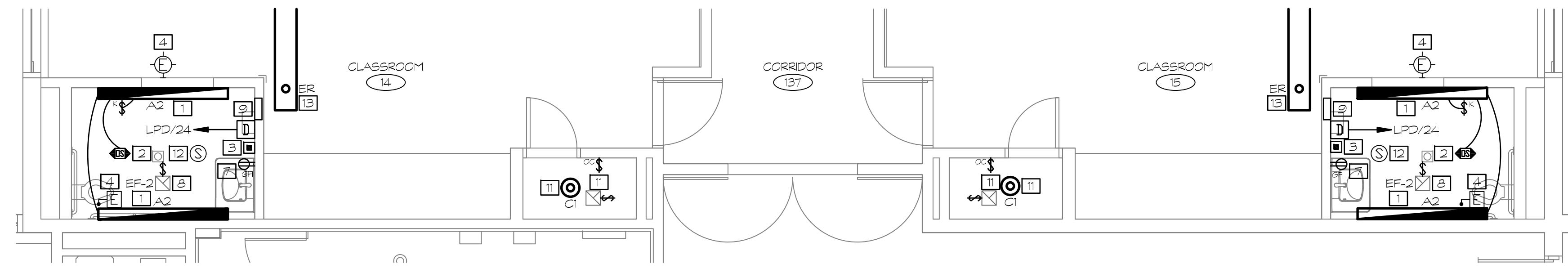
- FURNISH WITH ALL CONNECTORS, FEEDS AND HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
- FURNISH FIXTURE WITH EMERGENCY BATTERY PACK, 1000 LUMENS MINIMUM ACCEPTABLE (WHERE NOTED).



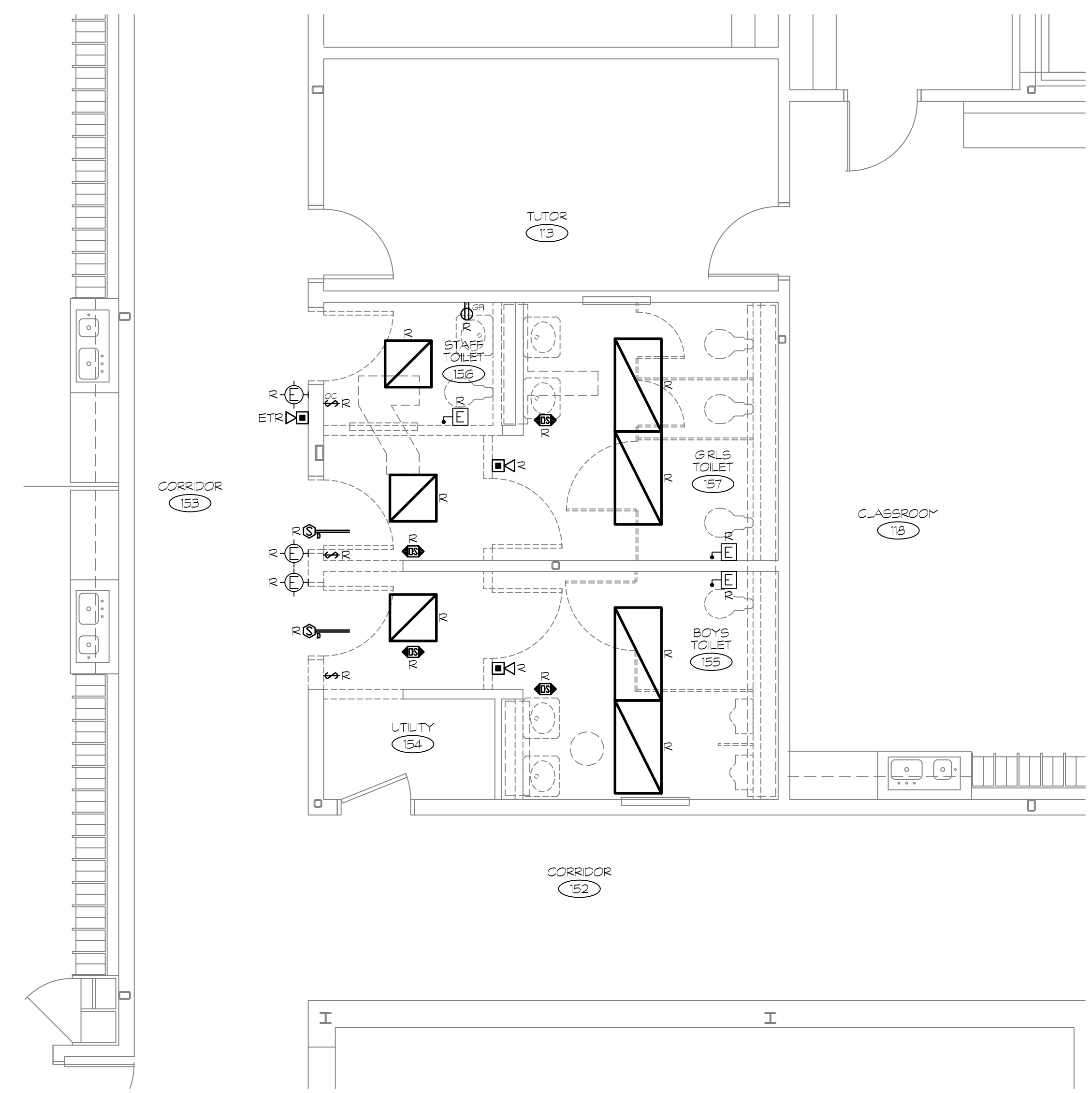
Revision	Description	Date	Revised By



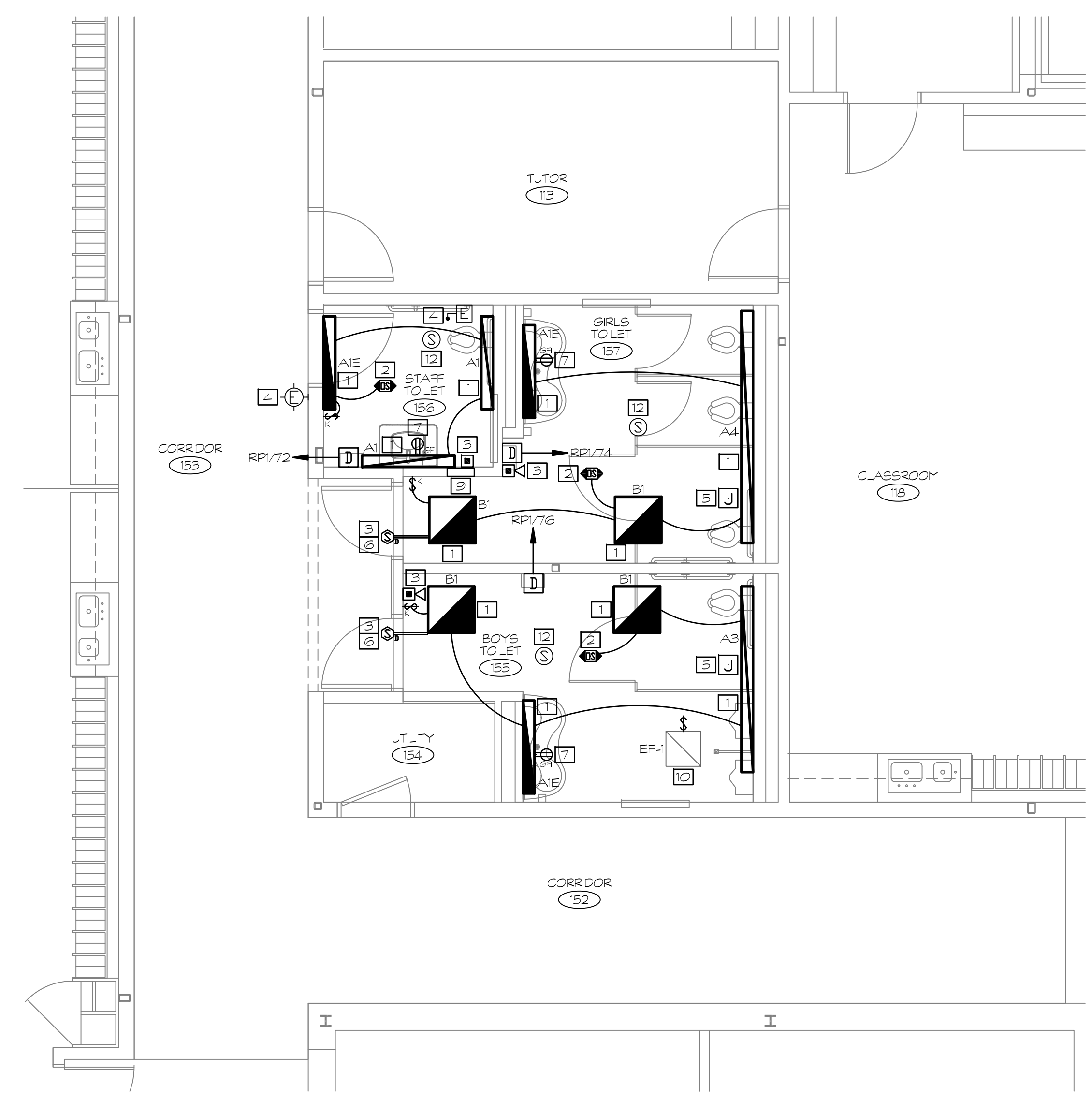
CLASSROOM 14 & 15 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
1
E101



CLASSROOM 14 & 15 FLOOR PLAN
SCALE: 1/4" = 1'-0"
2
E101



TOILET ROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
3
E101



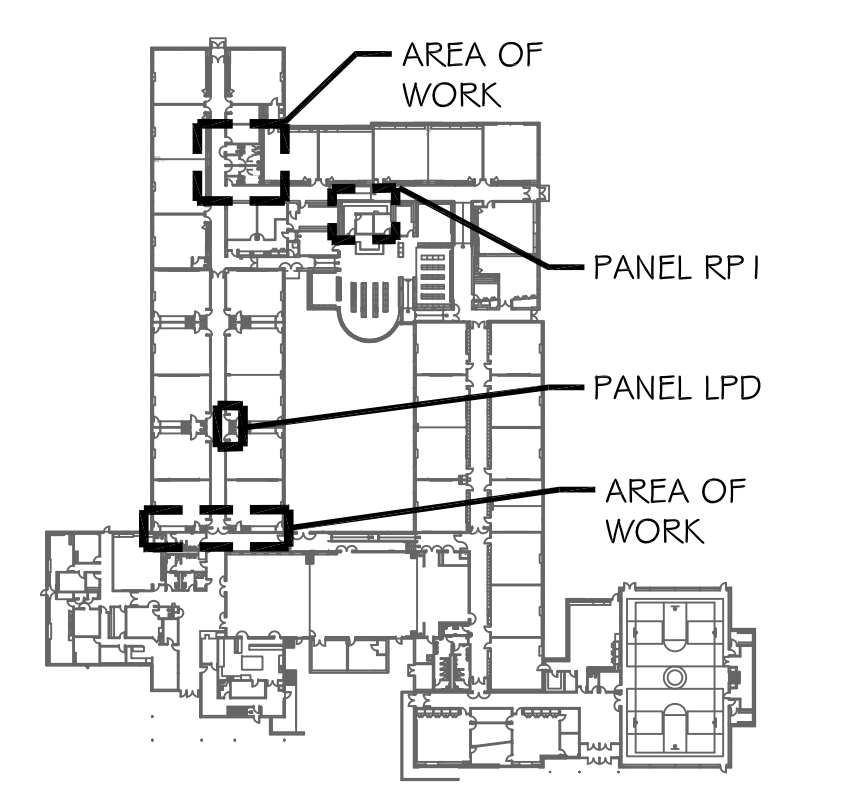
TOILET ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"
4
E101

DEMOLITION NOTES

- REMOVE DEVICES SHOWN & LEAVE EXISTING WIRING, RACEWAY & BOXES IN LOCATIONS TO BE REUSED IN THE CONSTRUCTION PHASE.
- CONFIRM EXISTING PENDANT FIXTURE WILL CURRENTLY BE LOCATED WITHIN THE NEW BATHROOM. IF SO, PENDANT WILL NEED TO BE RELOCATED & WIRING/RACEWAY EXTENDED.

CONSTRUCTION NOTES

- PROVIDE LIGHT FIXTURES IN LOCATIONS SHOWN ON PLANS. FIXTURES SHALL BE WIRED TO EXISTING LIGHT CIRCUIT SERVING THE AREA. CLASSROOM FIXTURES W/EMERGENCY BATTERY PACKS SHALL BE WIRED TO UNSWITCHED POWER FOR THE CIRCUIT.
- PROVIDE OCCUPANCY SENSORS W/AUXILIARY CONTACTS. INTERLOCK W/EXHAUST FAN WILL TURN ON WHEN THE LIGHTS ARE ON IN THE TOILET ROOMS. OCCUPANCY SENSORS SHALL BE WIRED TO LIGHTING CIRCUIT SERVING THE SPACE.
- PROVIDE FIRE ALARM DEVICES IN LOCATIONS SHOWN. FIRE ALARM DEVICES SHALL BE COMPATIBLE W/EXISTING FIRE ALARM CONTROL PANEL (V.I.F.)
- PROVIDE CALL-FOR-AID DEVICES. POWER FOR DEVICES SHALL COME FROM NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT.
- TRANSFORMER FOR HARDWIRED FLUSH VALVES. POWER SHALL COME FROM NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT. COORDINATE LOCATION W/PLUMBING CONTRACTOR.
- POWER TO DAMPER SHALL COME FROM NEARBY AREA RECEPTACLE CIRCUIT. PROVIDE DUCT SMOKE & FIRE ALARM RELAY. WIRING OF DAMPER SHALL CLOSE ON DETECTION OF SMOKE & DETECTORS/RELAYS SHALL BE WIRED TO FIRE ALARM SYSTEM. COORDINATE W/MECHANICAL CONTRACTOR.
- POWER FOR GFI RECEPTACLES SERVING LAVS SHALL COME FROM CLOSEST GENERAL PURPOSE RECEPTACLE CIRCUIT.
- POWER FOR EXHAUST FANS (EF-2) ON ROOF SHALL COME FROM PANEL LPD CIRCUIT #28. FANS WILL NEED TO BE INTERLOCKED W/AUXILIARY CONTACTS IN OCCUPANCY SENSORS. COORDINATE W/MECHANICAL CONTRACTOR.
- POWER FOR TRAP PRIMER SHALL COME FROM NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT. COORDINATE LOCATION W/PLUMBING CONTRACTOR.
- POWER FOR EXHAUST FAN (EF-1) ON ROOF SHALL COME FROM PANEL RP1 CIRCUIT #78. FAN WILL NEED TO BE INTERLOCKED W/AUXILIARY CONTACTS IN OCCUPANCY SENSORS FOR GIRLS, BOYS & STAFF BATHROOMS. COORDINATE W/MECHANICAL CONTRACTOR.
- INSTALL LIGHT FIXTURES & SWITCHES IN SAME LOCATIONS AS REMOVED PIECE. REUSE EXISTING WIRING IN PLACE.
- INSTALL NEW PA SPEAKERS IN LOCATIONS SHOWN. SPEAKERS SHALL MATCH EXISTING CORRIDOR SPEAKERS. EXTEND CORRIDOR SPEAKER CIRCUIT TO NEW BATHROOM SPEAKERS. PROVIDE ALL MATERIALS NECESSARY FOR A COMPLETE INSTALLATION.
- RELOCATE EXISTING PENDANT FIXTURE TO LOCATION SHOWN. EXTEND WIRING & RACEWAY. KEEP FIXTURE ON SAME CIRCUIT & LIGHTING CONTROLS.



MAIN LEVEL KEY PLAN
NOT TO SCALE
N