

BATHROOM PLUMBING REPAIRS

**LEDYARD HIGH SCHOOL
24 GALLUP HILL ROAD
LEDYARD, CT 06339**

S/P+A PROJECT NO. 15.139

Date Issued: July 1, 2015

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 1.

Changes to the Specifications:

- BID FORM, delete in its entirety. A new BID FORM has been added and is attached as part of this addendum. (3)
- SECTION 012300, ALTERNATES, Page 2:
 - Article 3.1.A., revise “Ceramic Wall Tile” to read “**Ceramic Wall Tile – Men’s Toilet 103 & Women’s Toilet 104**”.
 - Article 3.1, add the following:

“DEDUCT ALTERNATE NO. 3: Ceramic Wall Tile – Boy’s Toilet 101 & Girl’s Toilet 102: Deduct from the Base Bid the labor, material and equipment to install ceramic wall tile (CWT) and base (CWB) and instead paint the CMU wall in its entirety and install ceramic base (CFB). Refer to Sections 093000 and 099123 for additional information.”
- SECTION 042200, CONCRETE UNIT MASONRY:
 - Page 1:
 - Article 1.2.A.2., delete in its entirety.
 - Article 1.5.C., delete in its entirety.
 - Page 3:
 - Article 1.9.C.1., delete “from rain-splashed mud and”.
 - Article 1.9.C.4., delete in its entirety.
 - Page 4, Article 2.3.C., delete in its entirety.
- SECTION 072100, THERMAL INSULATION, Page 1, Article 1.2.B., delete in its entirety.
- SECTION 093000, TILING, Page 4:
 - Article 2.3.C.4., revise to read as follows:

“Tile Color, Glaze, Pattern and Grout Color: As selected by Architect and Owner from manufacturer’s full range; to match existing in Men’s Toilet 103 and Women’s Toilet 104.”

- Article 2.3.C.5.a., revise to read as follows:

“Base Cove (**CWB**): Cove, module size same as adjoining flat tile, color as selected by Architect and Owner from manufacturer’s full range; to match existing in Men’s Toilet 103 and Women’s Toilet 104.”

- SECTION 220529, HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT:

- Page 1, Articles 1.2.B.2. and .3., delete in their entirety.
- Page 8, Article 3.5.A., delete in its entirety.

- SECTION 220700, PLUMBING INSULATION:

- Page 8, Article 3.2.B., delete in its entirety.
- Page 13, Article 3.8.B., delete in its entirety.
- Page 14, Article 3.9.C., revise “2006” to read “2009” in both instances.

- SECTION 233423, HVAC POWER VENTILATORS:

- Page 3, Article 2.2.A., delete “specified in Division 23 Section “Common Motor Requirements for HVAC Equipment””.
- Page 4:
 - Article 3.1.C., delete last sentence in its entirety.
 - Article 3.2.B., delete in its entirety.

- SECTION 233713, DIFFUSERS, REGISTERS AND GRILLES, Page 3, Article 3.3.B., delete in its entirety.

Changes to the Drawings:

- DRAWING A100, TOILET DRAWINGS, delete in its entirety. A new DRAWING A100, TOILET DRAWINGS has been added and is attached as part of this addendum.*
- DRAWING A101, TOILET DRAWINGS, delete in its entirety. A new DRAWING A101, TOILET DRAWINGS has been added and is attached as part of this addendum.*
- DRAWING P100, TOILET DRAWINGS, delete in its entirety. A new DRAWING P100, TOILET DRAWINGS has been added and is attached as part of this addendum.*

The bid date is unchanged by this addendum.

The addendum consists of five (5) pages of 8½”x11” text and three (3) 30” x 42” drawings*.

End of Addendum ‘1’

(To be submitted in triplicate)

BIDDER:

Name

Address

To: **The Director of Building & Grounds of the Town of Ledyard, CT
4 Blonder Boulevard
Ledyard, CT 06339**

Project: **Ledyard High School Bathroom Plumbing Repairs
24 Gallup Hill Road
Ledyard, Connecticut 06339**

In preparing this bid, we have carefully examined the Bidding Documents for this Project. We have visited the site and noted the conditions affecting the Work.

The Bidding Documents referred to include Drawings and Project Manual dated June 19, 2015 entitled Ledyard High School Bathroom Plumbing Repairs, Ledyard, CT prepared by Silver/Petrucelli + Associates, Inc., Hamden, Connecticut.

We propose to perform the work described in the Bidding Documents, in keeping with definitions of Article 1 of the Instructions to Bidders, for the Base Bid Sum as follows:

Base Bid:

Entire Project for the Total Cost of:

\$ _____ Dollars (\$) .00).
written figure

We will commence work on the project _____ calendar days after receipt of "Notice to Proceed" or signing of Contract. We will be able to substantially complete the project within _____ calendar days thereafter (See SIB-1, 1.1.B.)

Bid Alternates:

The undersigned proposes to furnish all Labor, Materials, Equipment and Services necessary to construct the items listed in the Alternates described in Section 012300 for the stipulated sum of:

DEDUCT ALTERNATE NO. 1: Ceramic Wall Tile – Men's Toilet 103 & Women's Toilet 104:

Deduct from the Entire Project Base Bid a Total of: _____

written figure Dollars (\$) .00)

The Base Bid project schedule will be decreased by _____ calendar days to complete the work indicated under Alternate 1.

DEDUCT ALTERNATE NO. 2: Electric Hand Dryer:

Deduct from the Entire Project Base Bid a Total of: _____

_____ Dollars (\$) .00)

written figure

The Base Bid project schedule will be decreased by _____ calendar days to complete the work indicated under Alternate 2.

DEDUCT ALTERNATE NO. 3: Ceramic Wall Tile – Boy’s Toilet 101 & Girl’s Toilet 102:

Deduct from the Entire Project Base Bid a Total of: _____

_____ Dollars (\$) .00)

written figure

The Base Bid project schedule will be decreased by _____ calendar days to complete the work indicated under Alternate 3.

If written notice of the acceptance of this Bid is mailed, telegraphed or delivered to the undersigned at the Address designated below, within ninety (90) days after the date of Bid Opening, or any time thereafter before this Bid is withdrawn, the undersigned will, within ten (10) days after the date of mailing, telegraphing or delivering of the notice, execute the Town’s Purchase Order(s) or execute and deliver a contract in the Standard Form of Agreement Between the Owner and Contractor, AIA Document A101, or similar contract modified as may be mutually agreed upon.

The undersigned acknowledges that he has examined the documents, visited and examined the site as required under "Instructions to Bidders", examined the availability of labor and materials and further agrees to comply with all the requirements as to the conditions of employment and wage rates set forth in the Contract Documents.

Addenda:

The undersigned acknowledges receipt of the following addenda to the Contract Documents, listed by number and date:

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Exceptions: _____

ATTACHMENTS – Contractor is to attach the following:**1. Bid Bond**

Date: _____

Signature: _____

Printed Name and Title
of Agent submitting bid: _____

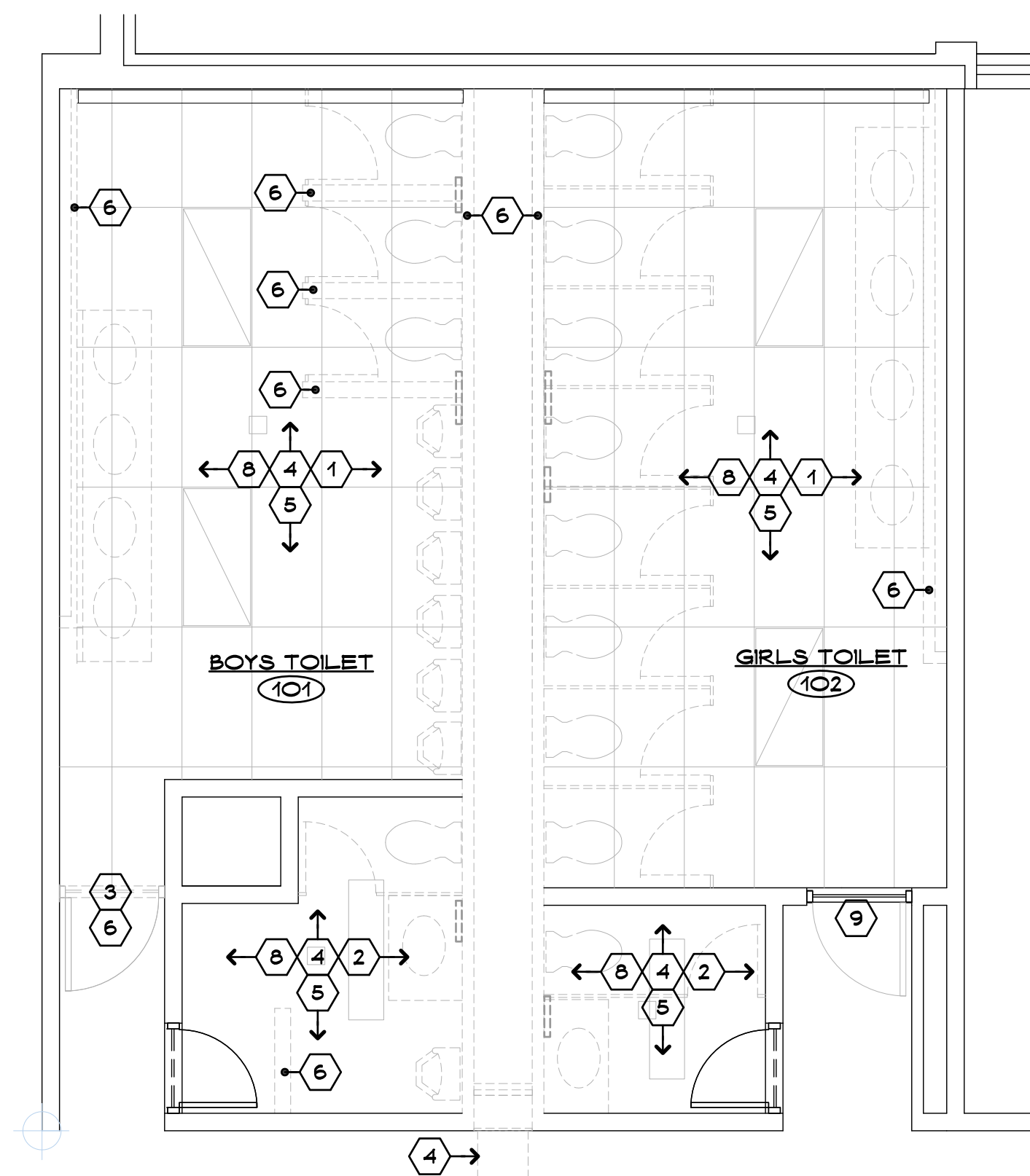
Name of Company: _____

Address: _____

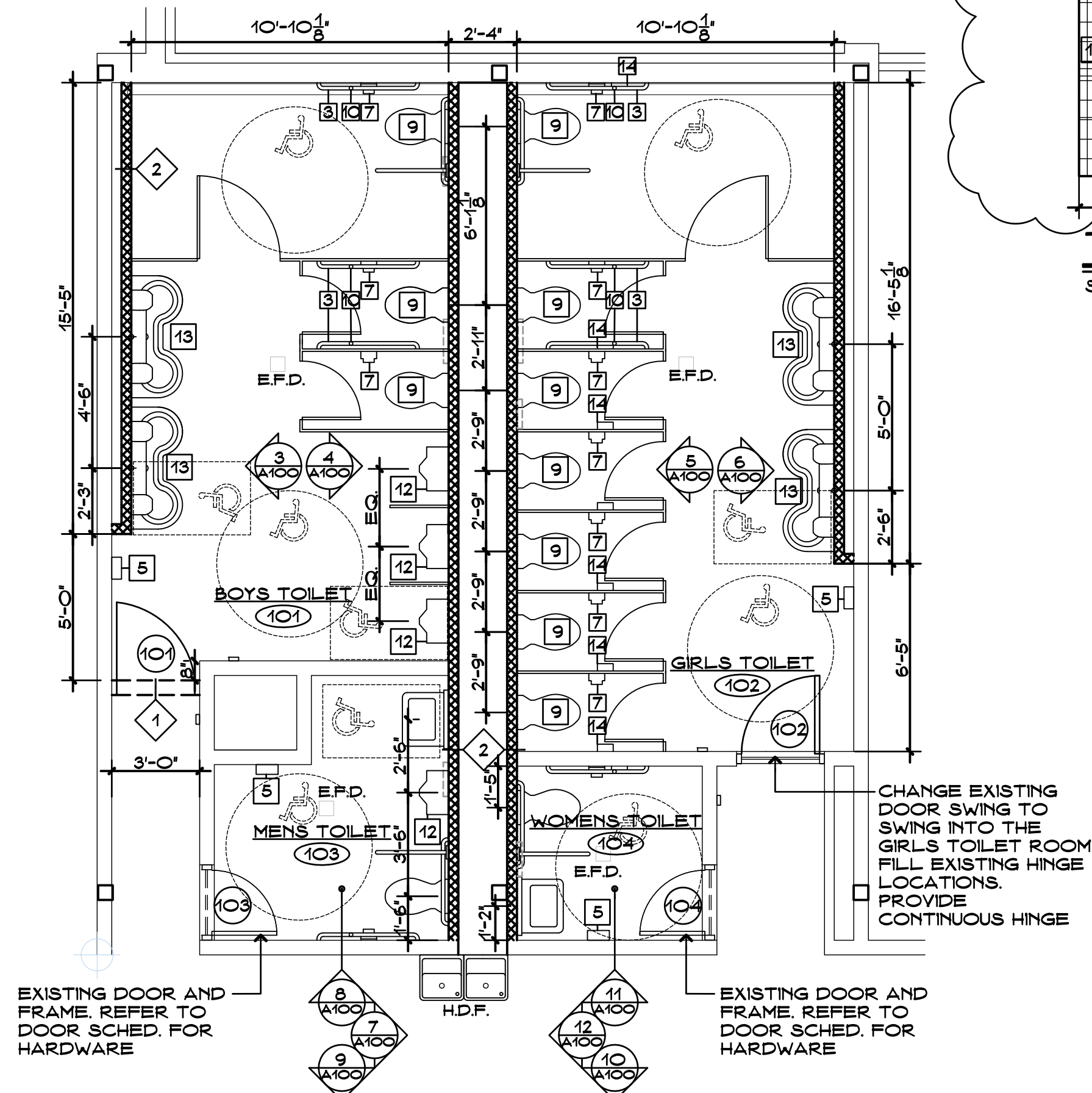
Telephone Number: _____ Fax Number: _____

E-mail: _____

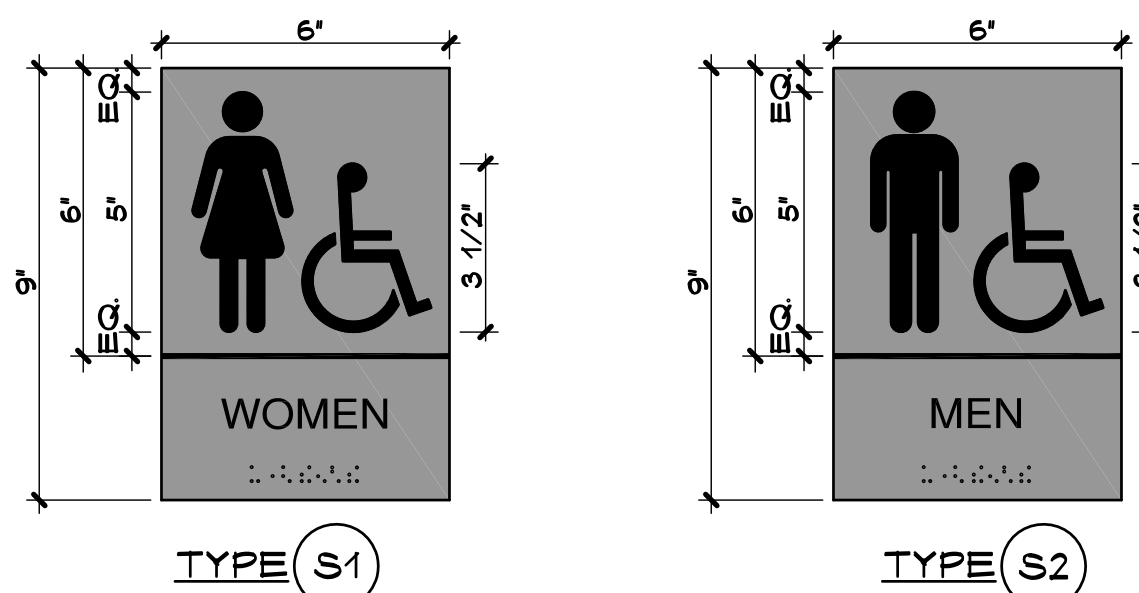
This Bid may be withdrawn prior to the scheduled Bid Opening or any postponement thereof.



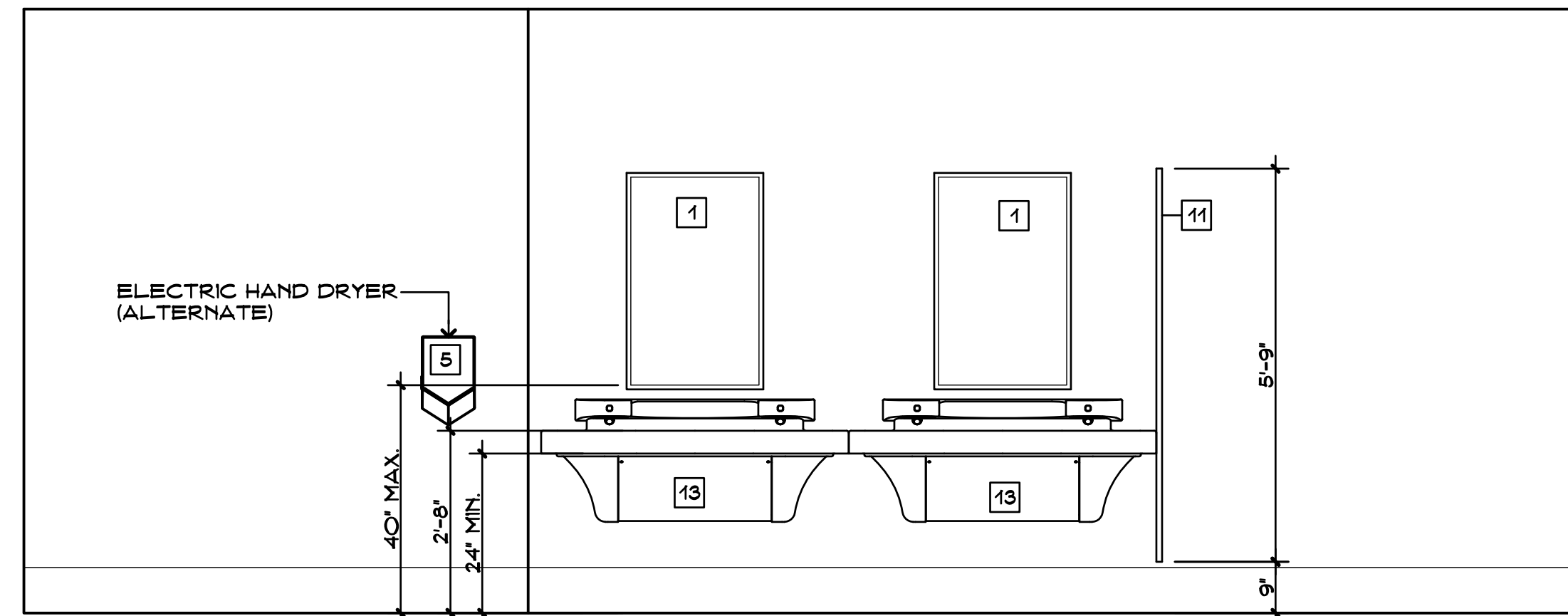
TOILET DEMO PLAN
SCALE: 1/4" = 1'-0"



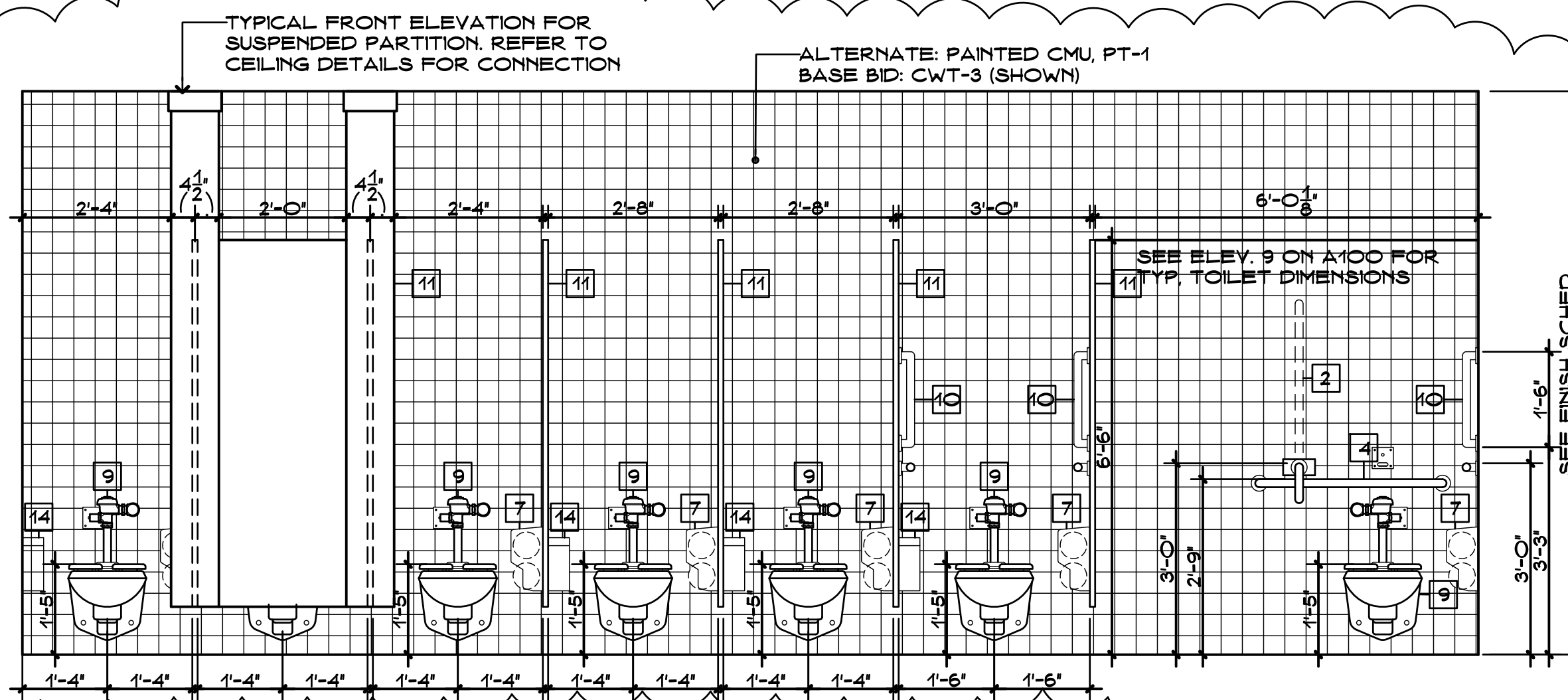
ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"



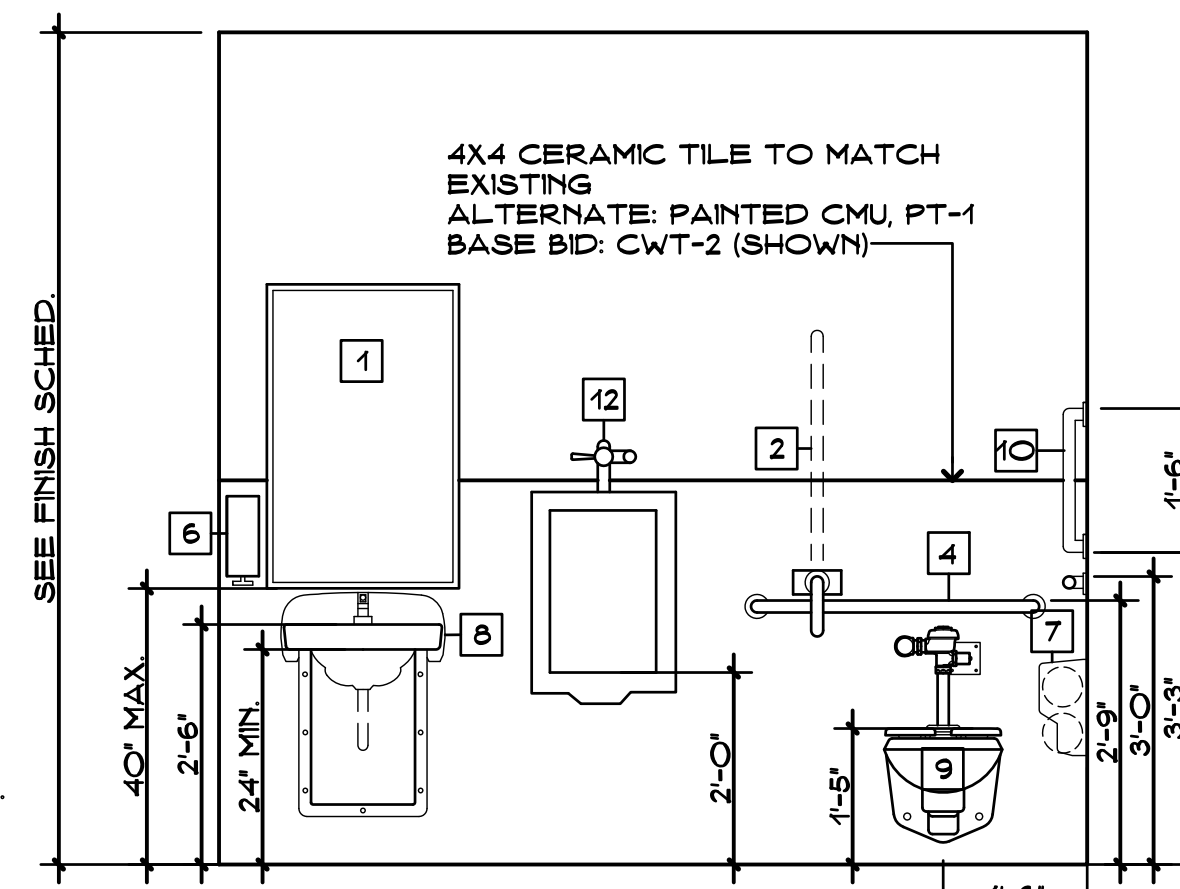
SIGNAGE TYPE DETAILS
SCALE: 3" = 1'-0"



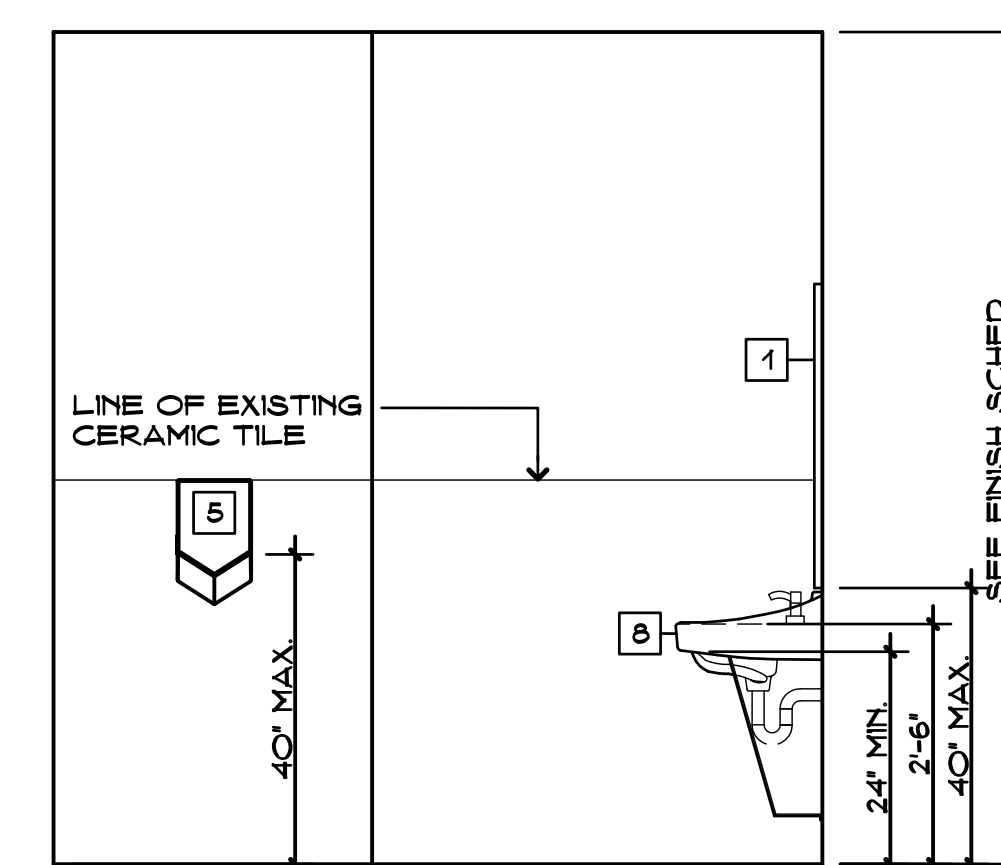
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



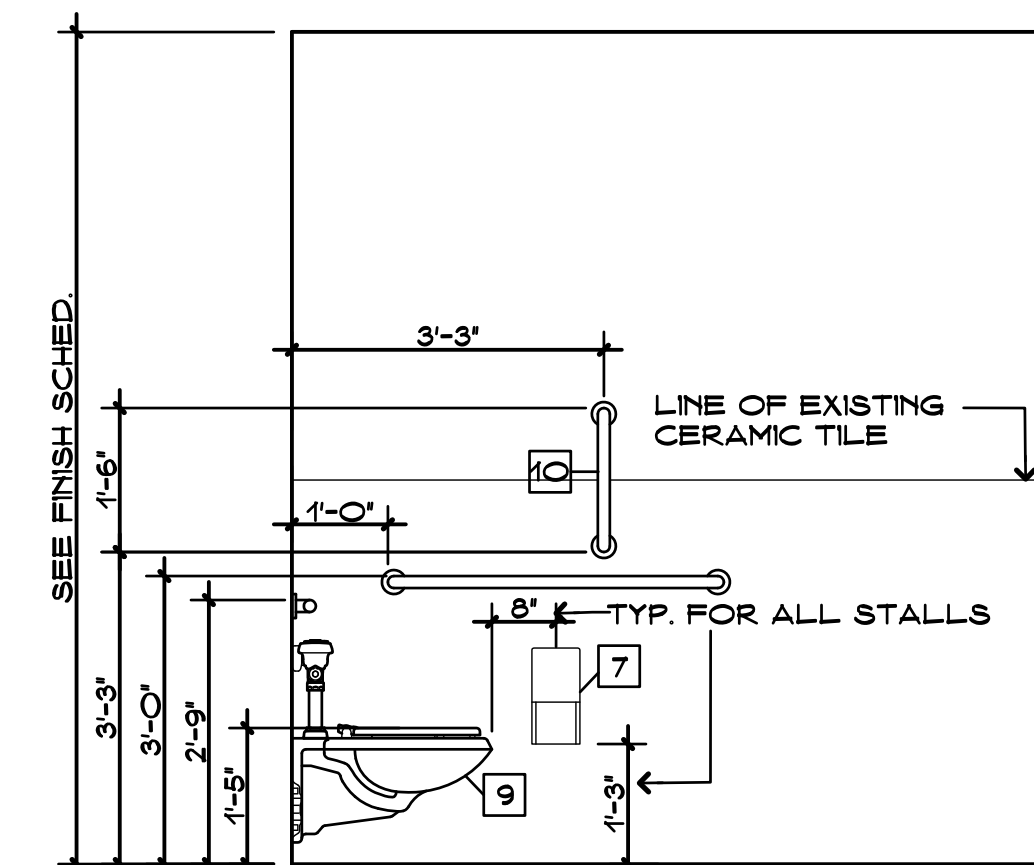
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



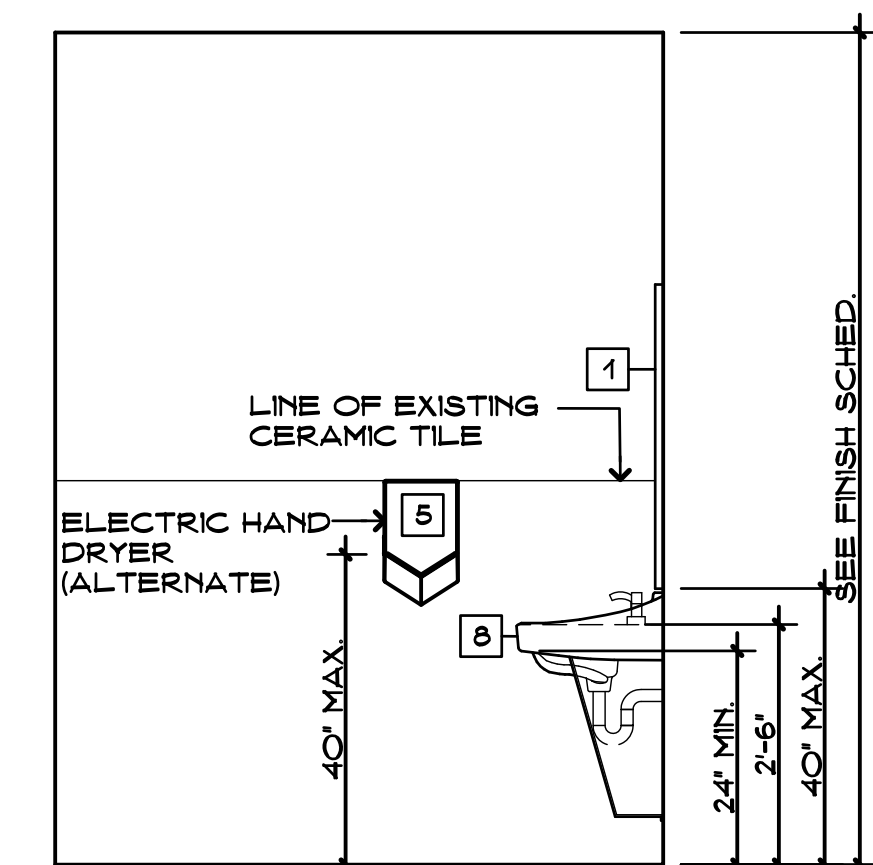
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



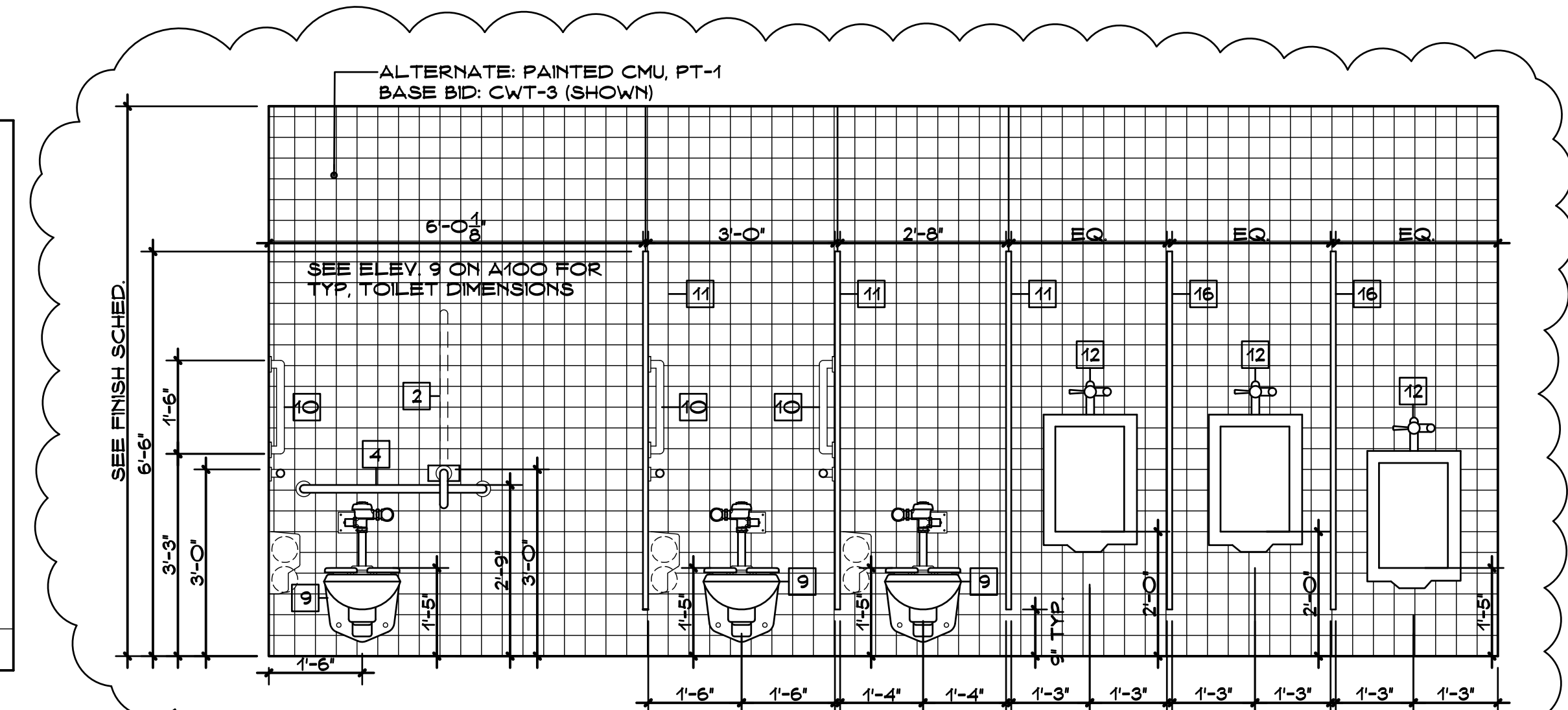
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



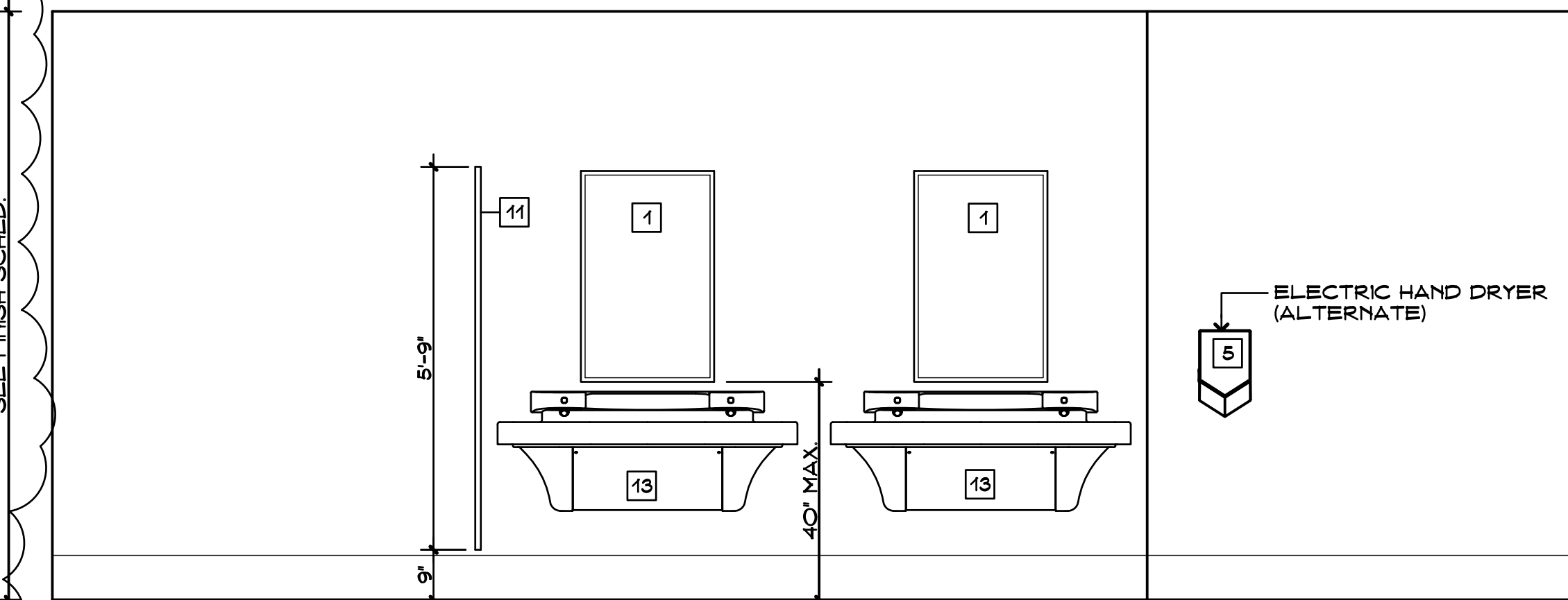
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



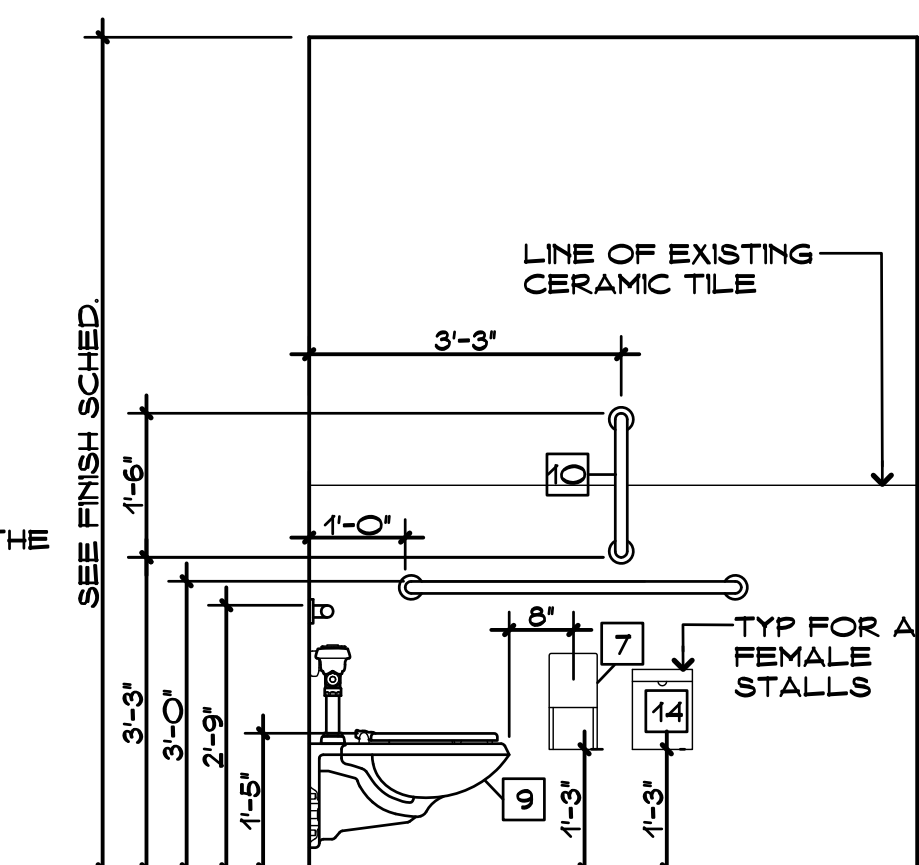
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



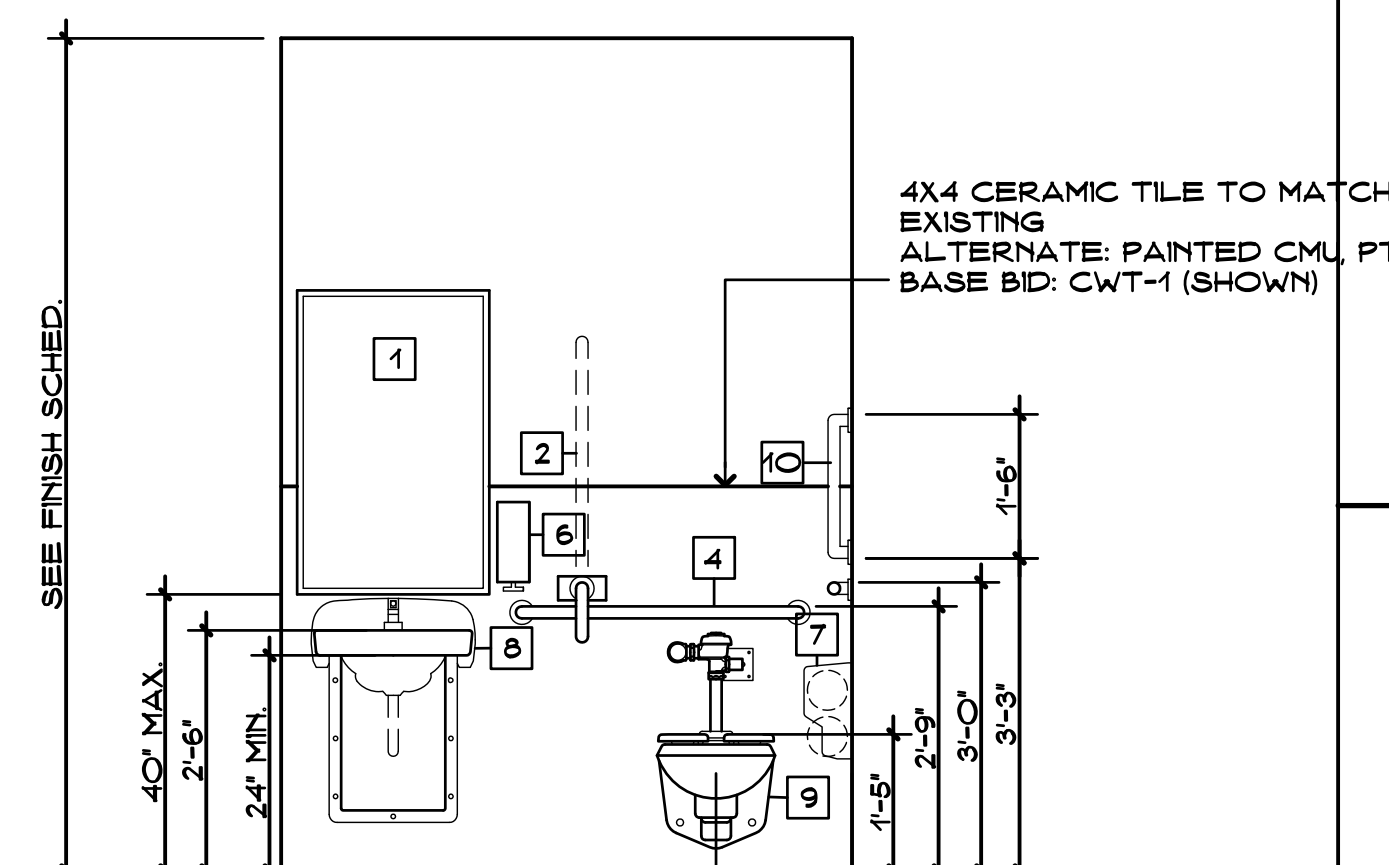
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



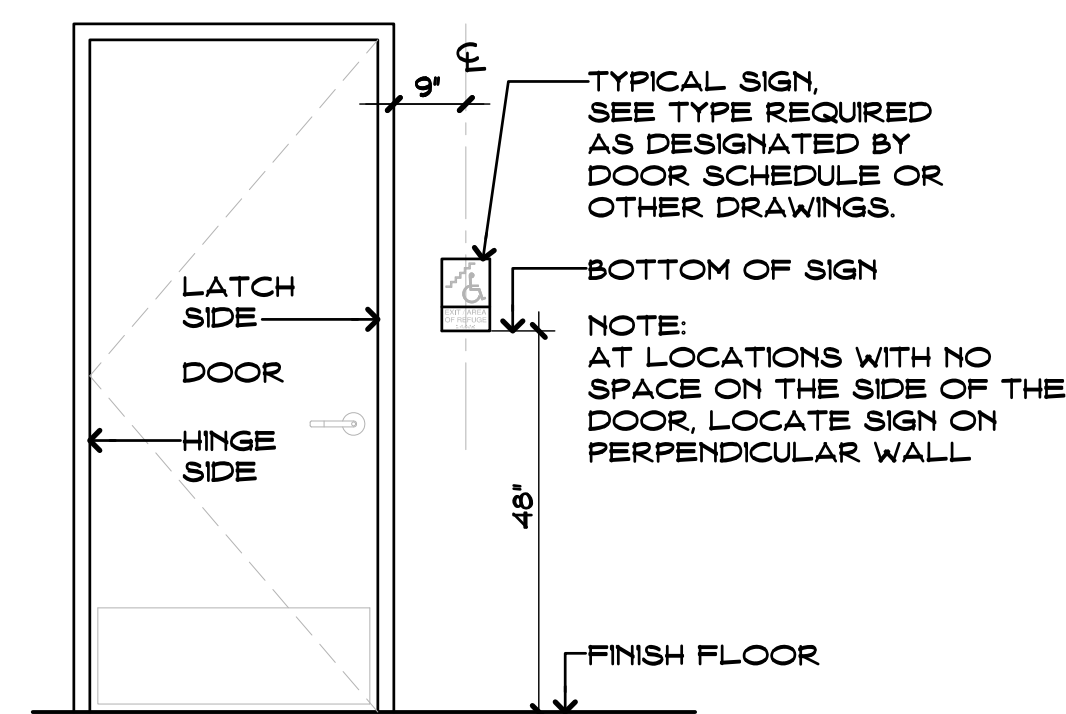
TOILET ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

SYMBOL LEGEND

- EXISTING WALLS TO REMAIN
- NEW CONCRETE MASONRY UNIT WALLS
- NEW COLD FORMED METAL STUD WALLS
- ACCESSIBLE STATION OR SINK FLOOR SPACE
- DOOR NUMBER - SEE DOOR SCHEDULE
- ROOM NUMBER
- DEMOLITION NOTES
- PARTITION TYPES - SEE SHEET A101
- ELEVATION OR SECTION NUMBER SHEET NUMBER
- PLAN, SECTION, DETAIL, OR ELEV. NUMBER
- E.F.D. EXISTING FLOOR DRAIN
- H.D.F. HANDICAPPED DRINKING FOUNTAIN

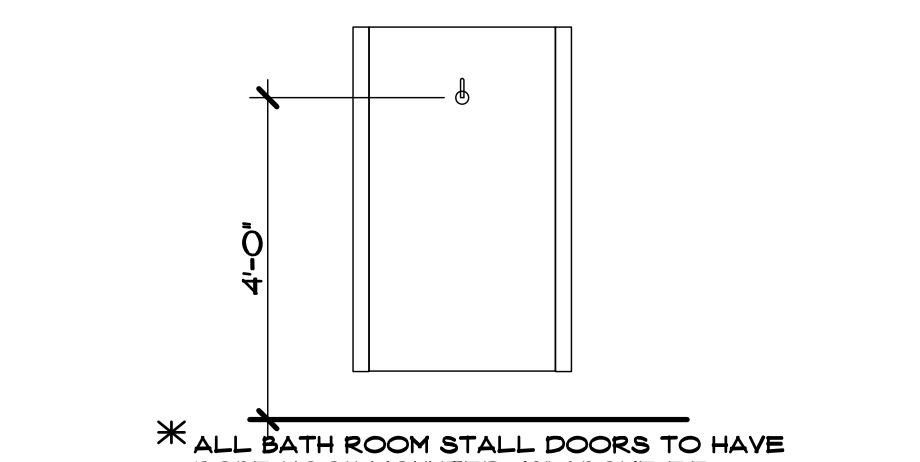
GENERAL NOTES

- CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- PATCH TO MATCH ALL EXISTING WALLS AFFECTED BY NEW WORK.
- ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND GYPSUM WALLBOARD.
- ALL NEW WALLS AND PARTITIONS ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK ABOVE.

TOILET ACCES. LEGEND

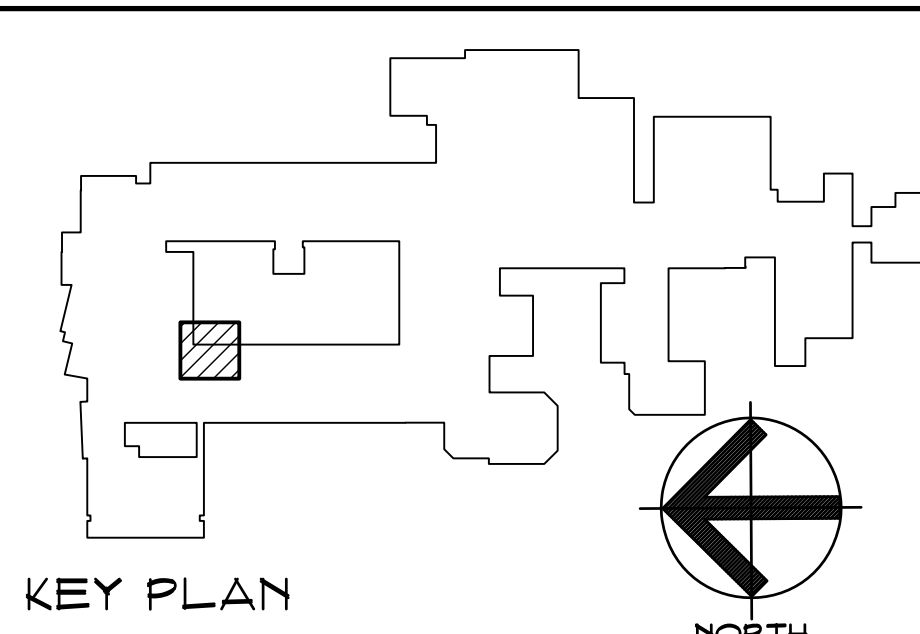
- 2'X3' MIRROR
- 30" SWING AWAY GRAB BAR
- 42" GRAB BAR
- 36" GRAB BAR
- SURFACE MTD. ELECTRIC HAND DRYER
- SURFACE MTD. SOAP DISPENSER
- SURFACE MTD. TOILET PAPER DISPENSER
- WALL MTD. LAVATORY
- WALL MTD. WATER CLOSET
- 18" VERTICAL GRAB BAR
- SUSPENDED TOILET PARTITION (SEE PROJ. MAN)
- WALL MTD. URINAL
- WALL MTD. WASH STATION
- 24" GRAB BAR
- 12" GRAB BAR
- URINAL PARTITION
- SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (ALL FEMALE & UNISEX BATH ROOMS/ STALLS)

SEE ELEV. FOR MOUNTING HEIGHTS. MOUNTING HEIGHTS SHALL CONFORM TO THE MOST RESTRICTIVE CODE FOR ALL TOILET ACCESSORIES

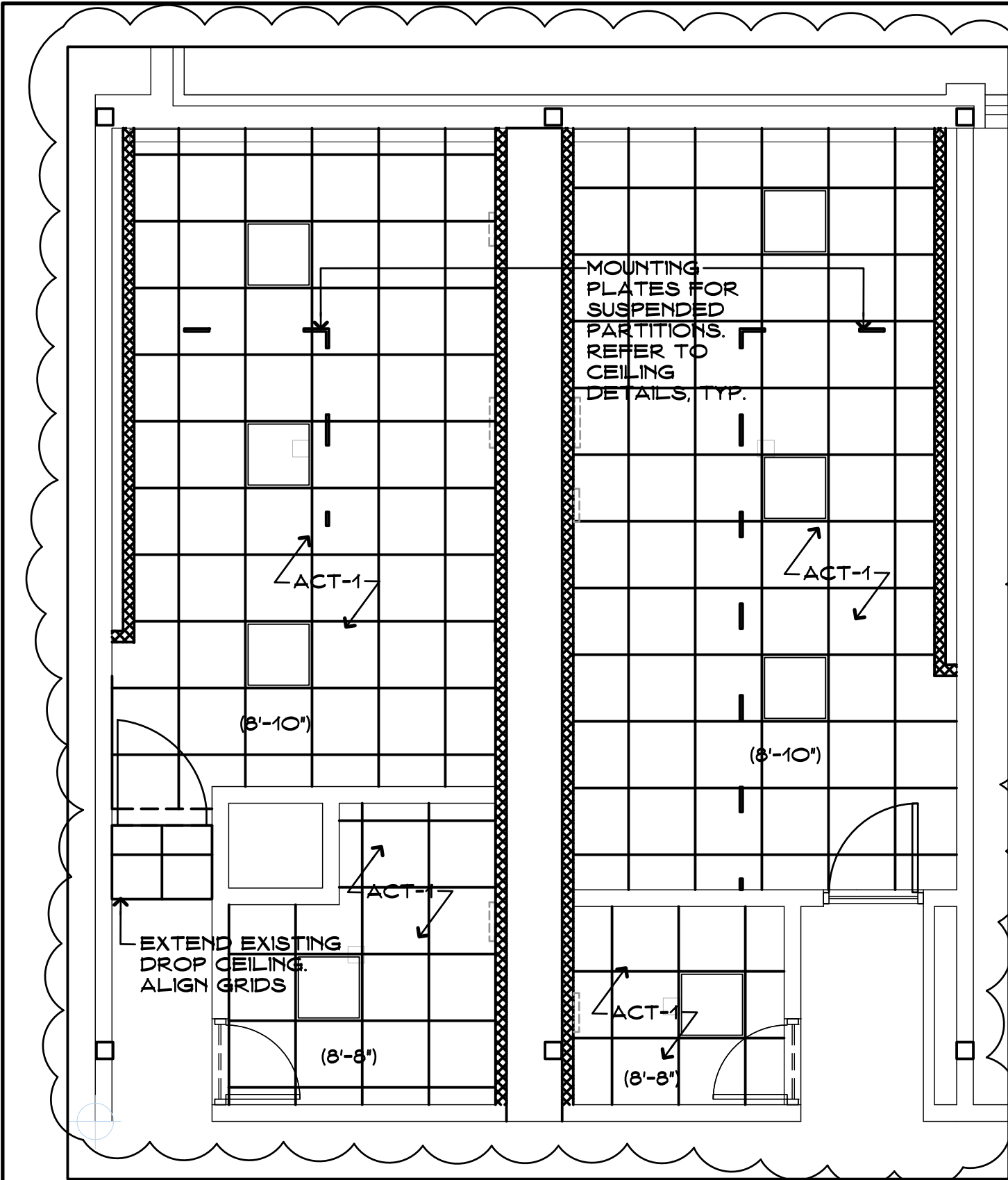


DEMOLITION NOTES

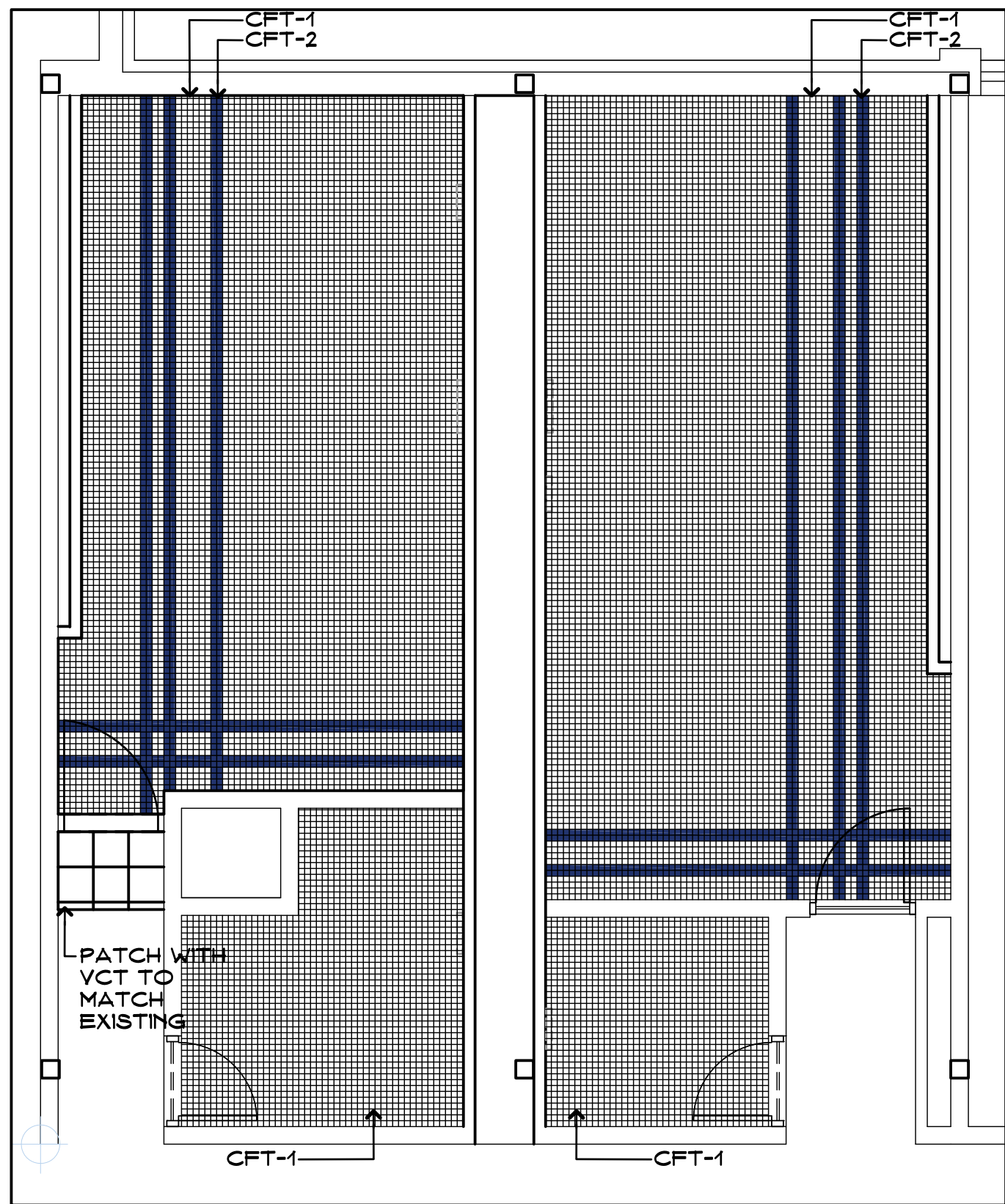
- REM. EX. ACT AND SUPPORTING GRID. OWNER HAS FIRST RIGHT OF REFUSAL ON CLG. DEVICES
- REM. EX. GYP. CEILING
- REM. EX. DOOR AND FRAME
- REM. EX. PLUMBING FIXTURES, TOILET ACCESSORIES AND ASSOC. EQUIP. AS REQD. SEE PLUMB. DWGS.
- REMOVE EX. CERAMIC FLOOR TILE
- REM. EXISTING INTERIOR MASONRY WALL FROM TOP OF SLAB TO UNDERSIDE OF DECK ABOVE
- REMOVE PORTION OF MASONRY WALL PER INSTALLATION OF NEW DOOR. REMOVE TO NEXT MASONRY JOINT TO ALLOW FOR NEW BLOCK TO BE TOOTHED-IN
- REM. EX. LIGHT FIXTURES
- REM. EX. DOOR AND REUSE AT SAME LOCATION.



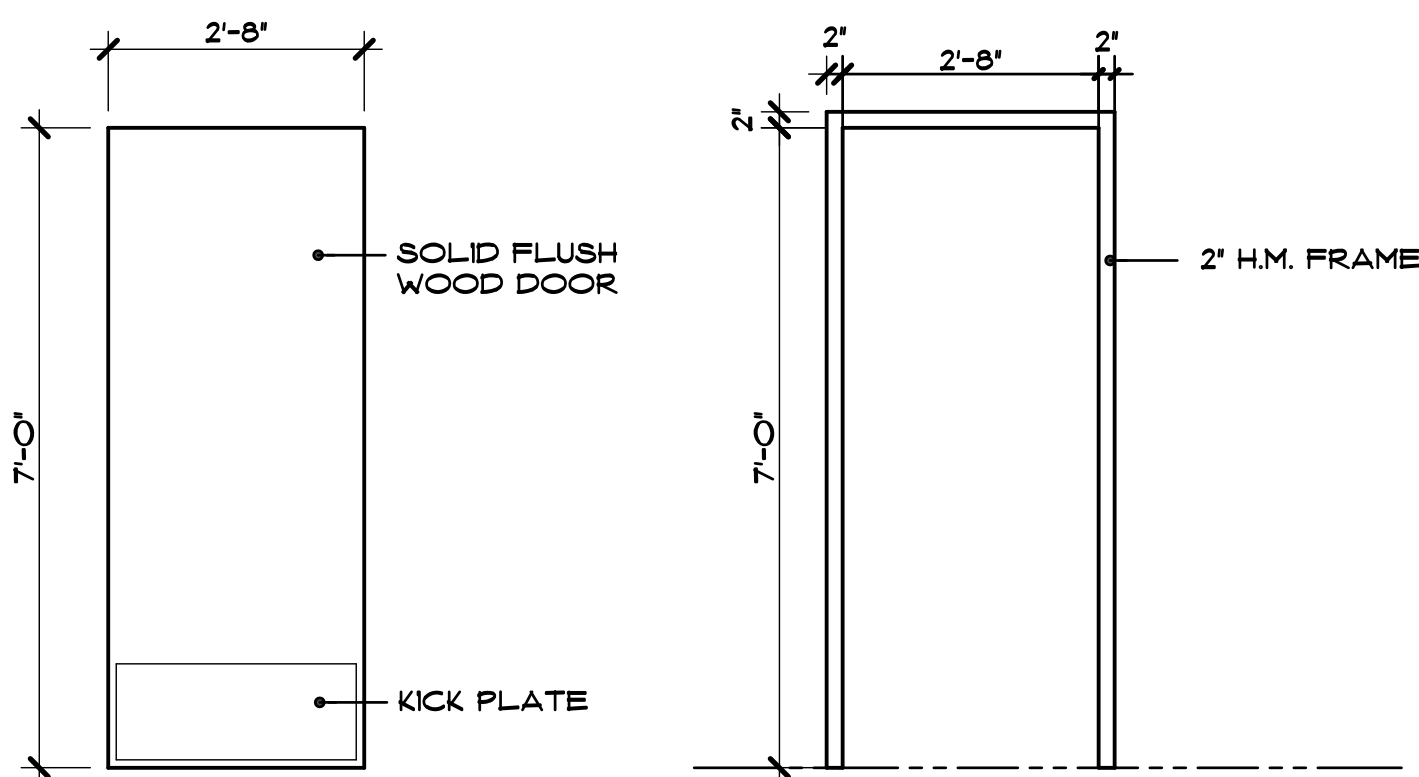
KEY PLAN



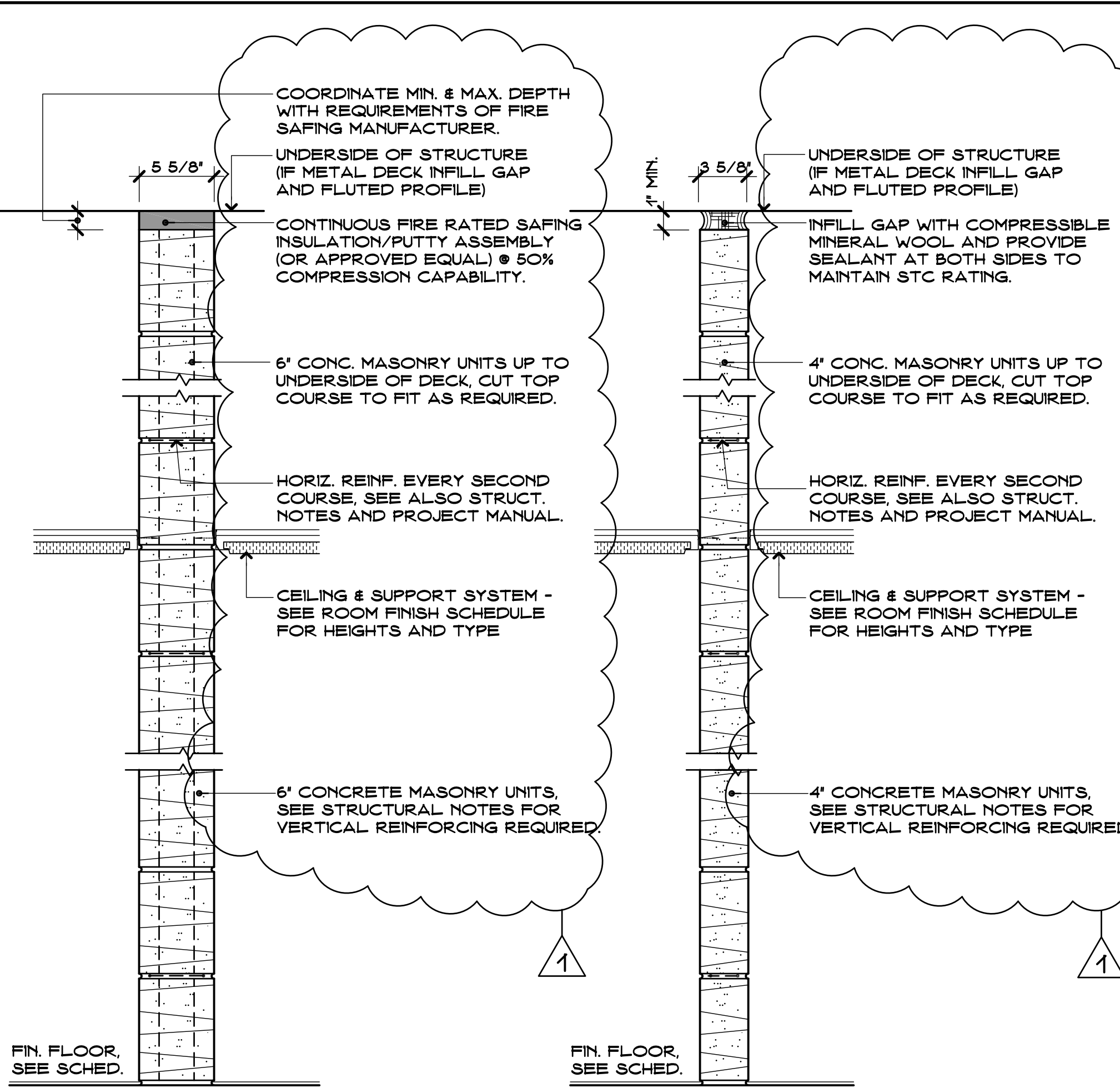
CEILING PLAN
SCALE: 1/4" = 1'-0"
REFER TO ELEC. DWGS FOR LIGHTING INFORMATION



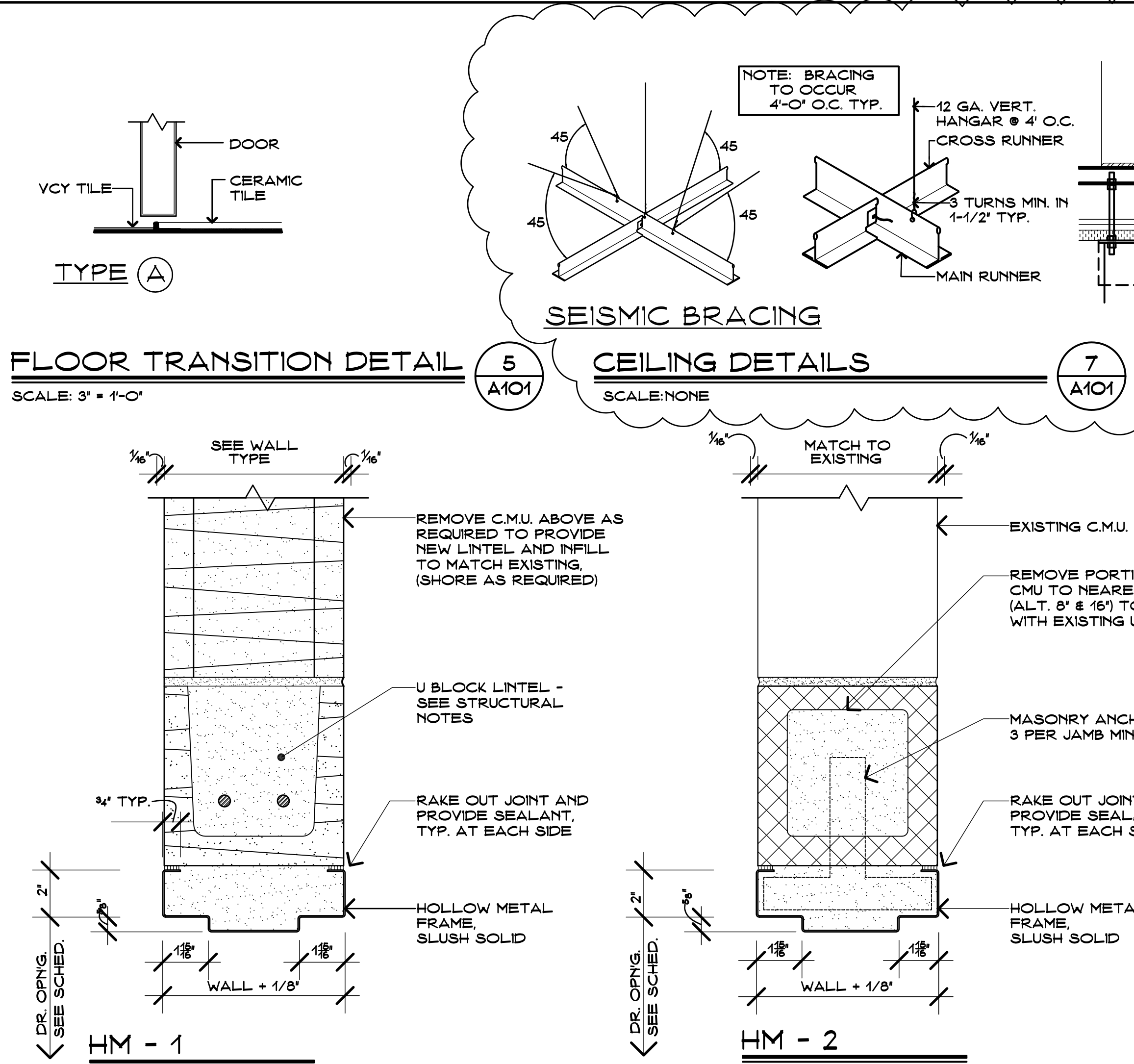
FLOOR PATTERN PLAN
SCALE: 1/4" = 1'-0"



DOOR & FRAME ELEVATIONS
SCALE: 1/2" = 1'-0"



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



FLOOR TRANSITION DETAIL
SCALE: 3/4" = 1'-0"

CEILING DETAILS
SCALE: NONE

ROOM FINISH SCHEDULE - FIRST FLOOR

ROOM NO.	ROOM NAME	FLOOR		WALL FINISH				CEILING		NOTES
		FLR. FIN.	BASE	NORTH	EAST	SOUTH	WEST	MAT'L.	HGHT.	
101	BOYS TOILET	CFT-1, CFT-2	CWB-3	PT-1	PT-1	CWT-3, PT-1	PT-1	ACT-1	8'-10"	REFER TO ELEV.. AND PROJ. MAN.
102	GIRLS TOILET	CFT-1, CFT-2	CWB-3	CWT-3, PT-1	PT-1	PT-1	PT-1	ACT-1	8'-10"	REFER TO ELEV.. AND PROJ. MAN.
103	MENS TOILET	CFT-1	CWB-2	PT-1	PT-1	PT-1, CWT-2	PT-1	ACT-1	8'-8"	REFER TO ELEV.. AND PROJ. MAN.
104	WOMENS TOILET	CFT-1	CWB-1	PT-1, CWT-1	PT-1	PT-1	PT-1	ACT-1	8'-8"	REFER TO ELEV.. AND PROJ. MAN.

DOOR SCHEDULE

DOOR		FRAME		FIRE RATING	HARDWARE - SEE SPECIFICATIONS										REMARKS														
DOOR NUMBER	ROOM NUMBER	SIZE	TYPE - SEE: 3/A101		MATERIAL	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL SEE: 5/A101	GLAZING	FIRE CODE						DISABLED REQUIREMENTS													
		2'-3" X 6'-8"		2'-6" X 6'-8"	TYPE - SEE: 3/A101	MATERIAL	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL SEE: 5/A101	GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC RELEASE LATCH	POSITIVE LATCHING	AUTOMATIC CLOSER	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLE	ALARMED EXIT SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	PROTECTION PLATE	TACTILE WARNING	ACCESSIBLE THRESHOLD	SIGNAGE	SIGN TYPE
101	101		●	1	WD	1	A	HM	HM-1	HM-2	A	1			●		●		●		●	●	●	●	●	S2	BOYS		
102	102		○	1	1	1	1	1	1	1	1	1			●		●		●		●	●	●	●	●	S4	GIRLS	1	
103	103	○		1	1	1	1	1	1	1	1	1													○	●	S4	MEN	2,3
104	104	○		1	1	1	1	1	1	1	1	1				●									○	●	S3	WOMEN	2,3

GENERAL DOOR NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
- ALL NEW KICK PLATES SHALL BE 16" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. CENTERED AT BOTTOM OF DOOR.

SCHEDULE REMARKS

- EXISTING FRAME TO REMAIN - CHANGE SWING OF EXISTING DOOR
- EXISTING DOOR - VERIFY EXISTING HARDWARE MEETS THAT REQUIRED IN SCHEDULE/CODE
- CUT BOTTOM OF DOOR TO ALLOW 1" GAP FOR AIR MAKEUP

R.C.P. SYMBOL LEGEND

- 2' X 2' SUSPENDED ACOUSTICAL CEILING SYSTEM, SEE FINISH SCHEDULE AND PROJECT MANUAL.
- LIGHTING FIXTURES, SEE ELECTRICAL LIGHTING DRAWINGS.
- SUPPLY AND RETURN CEILING COVERS, SEE MECHANICAL DRAWINGS.
- (9'-4") INDICATES CEILING HEIGHT

R.C.P. GENERAL NOTES

- FOR ADDITIONAL LIGHTING INFORMATION - SEE ELECTRICAL DRAWINGS
- FOR ADDITIONAL MECHANICAL INFORMATION - SEE MECHANICAL DRAWINGS
- FOR CEILING HEIGHTS AND TYPE OF TILE OR PANEL, SEE ALSO ROOM FINISH SCHEDULE AND PROJECT MANUAL.
- FOR SEISMIC BRACING AT ALL A.C.T. - SEE CEILING DETAILS 7/A101

FLOOR PATTERN NOTES

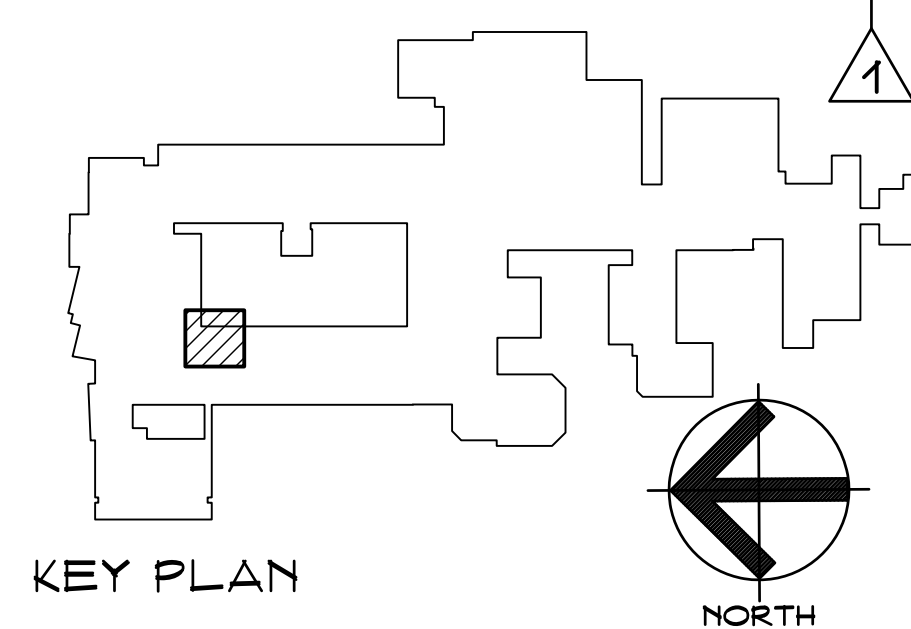
- CERAMIC FLOOR TILE
- RESILIENT TILE

WALL TYPE NOTES

- AT FIRE RATED WALLS SEAL ALL DUCT, PIPE AND MISCELLANEOUS PENETRATIONS THROUGH WALL WITH SAFING INSULATION/PUTTY ASSEMBLY AS REQUIRED TO MEET FIRE RATING, TO RESIST THE PASSAGE OF SMOKE AND TO MAINTAIN MINIMUM STC RATING INDICATED. SEE ALSO CODE PLANS, OTHER DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- AT FIRE RATED WALL INTERSECTIONS WITH BEAMS, JOISTS OR OTHER STRUCTURAL ELEMENTS PROVIDE GAP AT PERIMETER TO ALLOW INSTALLATION OF INSULATION/PUTTY ASSEMBLY AS REQUIRED TO MEET FIRE RATING, TO RESIST THE PASSAGE OF SMOKE AND TO MAINTAIN STC RATING INDICATED. SEE ALSO CODE PLANS, OTHER DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- AT WALLS NOT REQUIRED TO BE FIRE RATED SEAL ALL DUCT, PIPE AND MISCELLANEOUS PENETRATIONS THROUGH WALL WITH ACOUSTICAL MINERAL WOOL AND PROVIDE NON-COMBUSTIBLE SEALANT AT PERIMETER OF PENETRATION ON BOTH FACES OF WALL TO MAINTAIN STC RATING INDICATED.
- AT WALLS NOT REQUIRED TO BE FIRE RATED SEAL AT PERIMETER OF INTERSECTIONS WITH BEAMS, JOISTS OR OTHER STRUCTURAL ELEMENTS WITH ACOUSTICAL MINERAL WOOL AND PROVIDE NON-COMBUSTIBLE SEALANT ON BOTH FACES OF WALL TO MAINTAIN STC RATING INDICATED.
- AT ALL CONCRETE MASONRY UNIT WALLS PROVIDE RADUSED (BULL NOSED) SHAPE AT ALL EXPOSED CORNERS, TYPICAL. (IF CORNERS ARE LESS OR MORE THAN 90 DEGREES AND BULL NOSE TYPE IS NOT PRACTICAL, PROVIDE MITERED UNITS AND GROUND CORNER SMOOTH AND ROUND PRIOR TO FINISHING)

STRUCTURAL NOTES

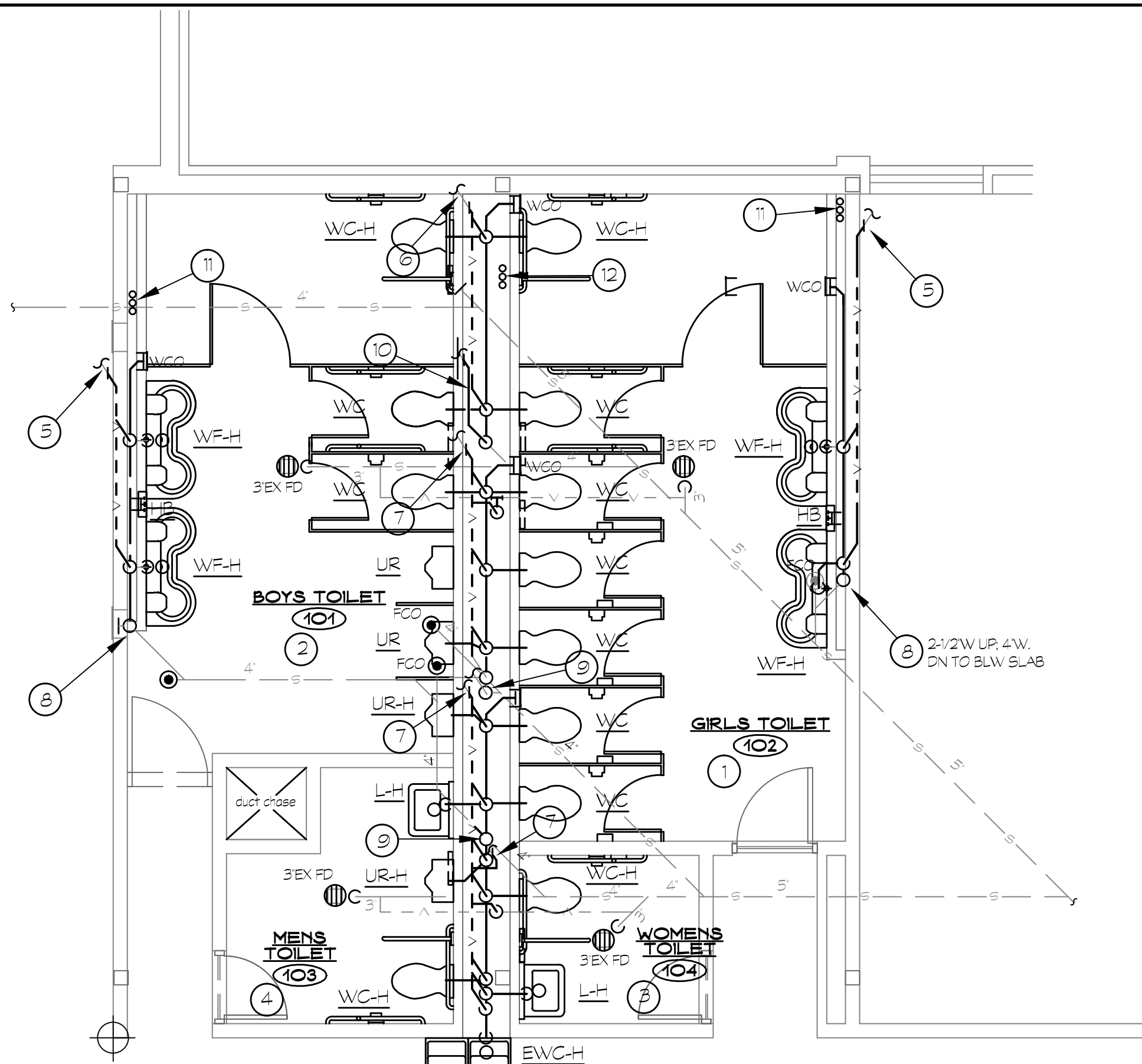
- ALL INTERIOR MASONRY WALLS SHOULD CONTAIN THE FOLLOWING REINFORCING:
- 1-#4 VERTICAL BAR AT 48" O.C.
- 1-#4 VERTICAL AND HORIZONTAL AT ALL SIDES OF DOOR AND MECH. OPENINGS
- 1-#4 VERTICAL AT ENDS OF ALL WALLS
- 1-#4 HORIZONTAL AT TOP OF ALL WALLS
- STANDARD LADDER TYPE DESIGN DUR-O-WALL HORIZONTAL REINFORCING AT 16" O.C. VERTICAL SIDE WIRE SIZE SHALL BE 9 GAGE WIRE
- ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF THE MASONRY WALLS.
- ALL GROUTING OF MASONRY WALLS SHALL BE ASSUMED TO BE COMPLETED BY LOW LIFT GROUTING METHODS
- ALL BOLTS OR ANCHORS SHALL BE SOLIDLY EMBEDDED IN MORTAR OR GROUT
- USE 2 COURSES OF GROUTED SOLID MASONRY BELOW EACH BOND BEAM OR LINTEL
- MORTAR PROTRUSIONS EXTENDING INTO CELLS OR CAVITIES TO BE REINFORCED AND/OR GROUTED SHALL BE REMOVED
- ALL NEW MASONRY SHALL BE BRACED AT THE TOP WHERE MASONRY ENDS AT THE UNDERSIDE OF FLOOR OR ROOF



PLUMBING PIPING SYSTEM LEGEND		
EXISTING	NEW	DESCRIPTION
---	---	DOMESTIC COLD WATER
---	---	DOMESTIC HOT WATER SUPPLY
---HD---	---HD---	DOMESTIC HOT-HOT WATER SUPPLY
---	---	DOMESTIC HOT WATER RETURN
---	---	SANITARY WASTE
---	---	SANITARY WASTE BELOW SLAB
---	---	SANITARY VENT
---ST---	---ST---	STORM DRAIN
---	---	STORM DRAIN BELOW SLAB
---OS---	---OS---	OVERFLOW STORM
---	---	NATURAL GAS
---	---	NATURAL GAS BELOW SLAB
---	---	RADON VENT
---	---	COMPRESSED AIR
---	---	CONDENSATE DRAIN
---	---	FORCE MAIN
---	---	FORCE MAIN BELOW SLAB
---	---	INDIRECT WASTE
---	---	GREASE WASTE
---	---	GREASE WASTE BELOW SLAB
---	---	ACD WASTE
---	---	ACD WASTE BELOW SLAB
---	---	ACD VENT
---	---	OIL WASTE
---	---	OIL WASTE BELOW SLAB

PLUMBING ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
ADA	AMERICAN DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
BLDG	BUILDING
CONT	CONTINUED
CV	CHECK VALVE
CW	COLD WATER
DEFU	DRAINAGE FIXTURE UNITS
DA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
EX	EXISTING
FCD	FLOOR CLEANOUT
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FLR	FLOOR
FT	FEET
FL	FIXTURE UNITS
GAL	GALLONS
G.C.	GENERAL CONTRACTOR
GPF	GALLONS PER FLUSH
GPM	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HW	HOT WATER
HWR	HOT WATER REGULATION
MAX	MAXIMUM
M.C.	MECHANICAL CONTRACTOR
MIX	MISCELLANEOUS
MISC	MISCELLANEOUS
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
P.C.	PLUMBING CONTRACTOR
PSI	POUNDS PER SQUARE INCH
P.V.G.	POLYVINYL CHLORIDE
RAD	RADIUS
SF	SQUARE FEET
TP	TRAP PRIMER
TYR	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VENT
VB	VACUUM BREAKER
V.F.	VERIFY IN FIELD
VS	VENT STACK
VTR	VENT THROUGH ROOF
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WS	WASTE STACK
YCO	YARD CLEANOUT
Ø	DIAMETER

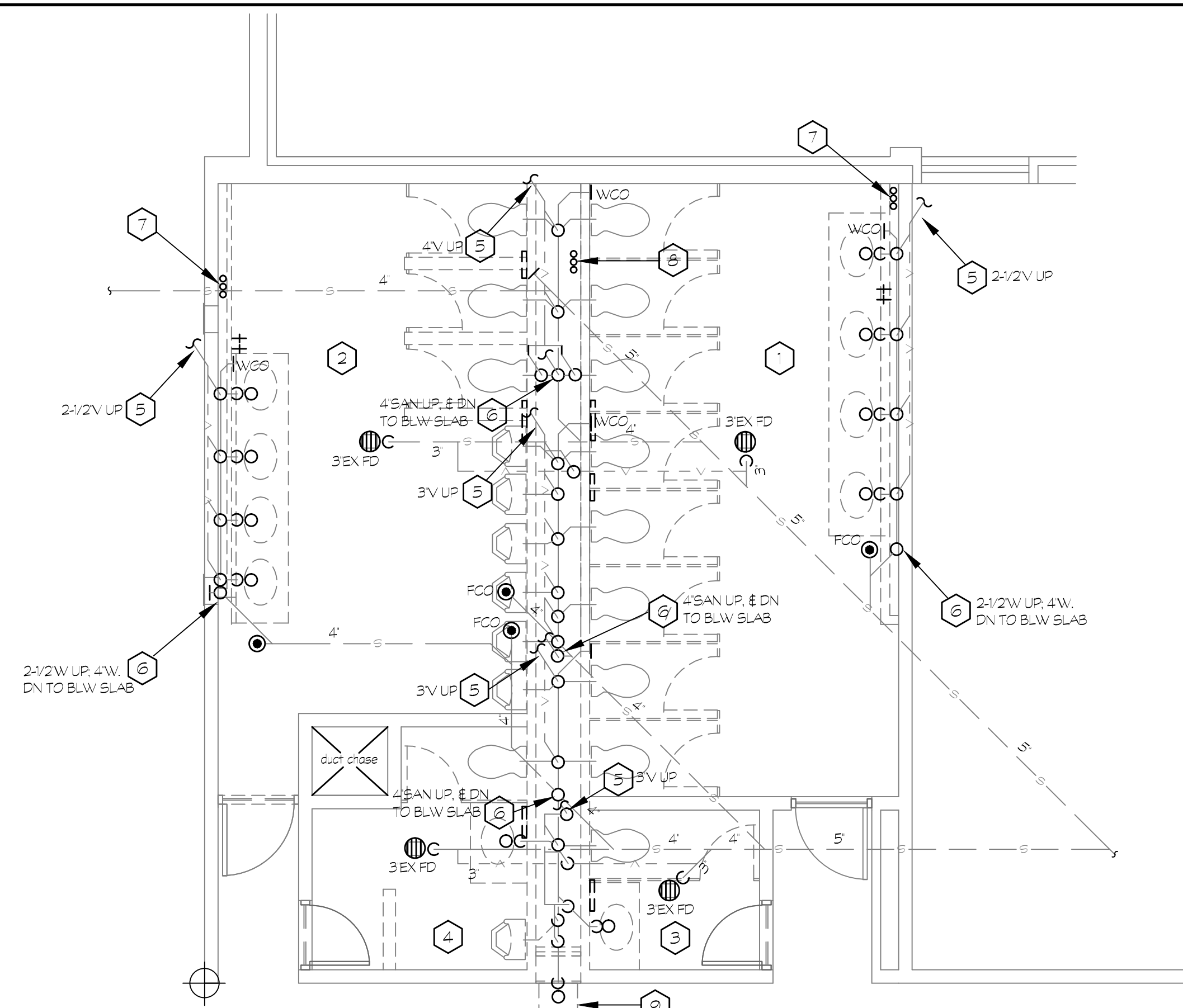
PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	AIR ADMITTING VALVE
	BALANCING VALVE
	BALL VALVE
	VALVE IN UNDERGROUND BOX
	BACKWATER VALVE
	CHECK VALVE
	GAS VALVE
	PRESSURE RELIEF VALVE
	THERMOSTATIC MIXING VALVE
	GATE VALVE
	SUPPLY VALVE
	METER
	REDUCED PRESSURE BACKFLOW PREVENTER
	CLOTHES WASHER CONNECTION
	FLOOR CLEANOUT
	WALL CLEANOUT
	YARD CLEANOUT
	FLOOR DRAIN
	FLOOR DRAIN WITH FUNNEL
	FLOOR SINK WITH FULL GRATE
	FLOOR SINK WITH HALF GRATE
	FLOOR SINK WITH THREE-QUARTER GRATE
	HUB DRAIN
	ROOF DRAIN
	ROOF OVERFLOW DRAIN
	TRENCH DRAIN
HB +	EXISTING HOSE BIBS
	POINT OF NEW CONNECTION
	POINT OF DISCONNECTION
	VENT THROUGH ROOF
	RECIRCULATION PUMP
	WATER HAMMER ARRESTOR
TP	TRAP PRIMER
	P TRAP
WH	WALL HYDRANT
	PIPE DOWN
	PIPE UP
	CAPPED PIPE
	CLEANOUT PLUG
	UNION
	DIRECTION OF FLOW
XXX	PLUMBING FIXTURE
XXXH	ADA COMPLIANT PLUMBING FIXTURE
	NEW HCOX MINS HOSE BIB IN WALL BOX



- ### NEW WORK PLAN KEY NOTES
- GENERAL:
REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EXTENT OF NEW WORK.
- GIRLS TOILET ROOM: PROVIDE ALL NEW PLUMBING FIXTURES AND SUPPORTS: (1) WALL-MOUNT FLUSH VALVE WATER CLOSETS, (2) 2-STATION WASH-FOUNTAINS, AND (1) H/C MINS HOSE BIB IN LOCKING BOX, LOCATED BETWEEN WASH-FOUNTAINS. SCOUR-CLEAN EXISTING FDS STRAINER, PRIME FD TRAP, AND PROVIDE BARRIER-TYPE TRAP PRIMER PROTECTION DEVICE WHICH HAS BEEN SUCCESSFULLY TESTED TO ASSE 1072.
 - BOYS TOILET ROOM: PROVIDE ALL NEW PLUMBING FIXTURES AND SUPPORTS: (3) WALL-MOUNT FLUSH VALVE WATER CLOSETS, (2) 2-STATION WASH-FOUNTAINS, AND (1) H/C MINS HOSE BIB IN LOCKING BOX, LOCATED BETWEEN WASH-FOUNTAINS. SCOUR-CLEAN EXISTING FDS STRAINER, PRIME FD TRAP, AND PROVIDE BARRIER-TYPE TRAP PRIMER PROTECTION DEVICE WHICH HAS BEEN SUCCESSFULLY TESTED TO ASSE 1072.
 - WOMEN'S STAFF TOILET ROOM: PROVIDE ALL NEW PLUMBING FIXTURES AND SUPPORTS: (1) WALL-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNTED LAVATORY, SCOUR-CLEAN EXISTING FDS STRAINER, PRIME FD TRAP, AND PROVIDE BARRIER-TYPE TRAP PRIMER PROTECTION DEVICE WHICH HAS BEEN SUCCESSFULLY TESTED TO ASSE 1072.
 - MEN'S STAFF TOILET ROOM: PROVIDE ALL NEW PLUMBING FIXTURES AND SUPPORTS: (1) WALL-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNTED LAVATORY, SCOUR-CLEAN EXISTING FDS STRAINER, PRIME FD TRAP, AND PROVIDE BARRIER-TYPE TRAP PRIMER PROTECTION DEVICE WHICH HAS BEEN SUCCESSFULLY TESTED TO ASSE 1072.
 - PROVIDE NEW 3" HORIZ. VENT PRING TO COLLECT WASH-FOUNTAIN FIXTURE VENTS; CONNECT INTO EXISTING 2 1/2" VENT ROUTING UP TO 2ND FLOOR.
 - PROVIDE NEW 3" HORIZ. VENT PRING TO COLLECT FIXTURE VENTS; CONNECT INTO EXISTING 4" VENT ROUTING UP TO 2ND FLOOR.
 - PROVIDE NEW 3" HORIZ. VENT PRING TO COLLECT FIXTURE VENTS; CONNECT INTO EXISTING 3" VENT ROUTING UP TO 2ND FLOOR.
 - PROVIDE NEW WASTE STACK IN CHASE (2 1/2" ABV & 4" BLW NEW 1ST FLR FIXTURE CORN) AND CONNECT TO EXISTING STACK HIGH AND LOW. PROVIDE 2" HORIZONTAL WASTE PRING IN CHASE WITH NEW WCO, TO COLLECT WASH-FOUNTAIN FIXTURE WASTES, AND CONNECT TO NEW STACK.
 - PROVIDE NEW 4" SAN STACK UP IN CHASE, AND CONNECT TO EXISTING SAN STACK HIGH AND LOW. PROVIDE 4" HORIZONTAL SAN PRING IN CHASE (WITH NEW WCO) TO COLLECT FIXTURE SANITARY PRING, AND CONNECT TO NEW STACK.
 - PROVIDE NEW 4" SAN STACK UP IN CHASE, CONNECT TO EXISTING SAN STACK HIGH, AND OFFSET AS REQUIRED TO DROP CLEAR OF NEW 1ST FLOOR FIXTURE LOCATIONS, CUT SLAB AND CONNECT INTO EXISTING SAN MAIN BELOW SLAB IN NEW LOCATION. PROVIDE 4" HORIZONTAL SAN PRING IN CHASE WITH NEW WCO, TO COLLECT FIXTURE SANITARY PRING, AND CONNECT TO NEW STACK.
 - CONN. TO EXIST. 1 1/2" HW, 1 1/2" HW TEES OFF WATER RISERS IN CHASE. ROUTE NEW 3/4" HCOX, 1/2" HW IN CHASE TO SERVE NEW WASH-FOUNTAINS AND HOSE BIB, PROVIDING NEW BRANCH HCOX BALL SHUTOFF VALVES AND HVR BALANCE VALVE BEHIND EXISTING ACCESS DOOR. PROVIDE WATER HAMMER ARRESTORS.
 - CONN. TO EXIST. 1 1/2" HW, 2" OW, 1/2" HW TEES OFF WATER RISERS IN CHASE. ROUTE NEW 1/2" HVR HW, 2" OW IN CHASE TO SERVE NEW FIXTURES LOCATED ON THIS CHASE. PROVIDING NEW BRANCH HCOX BALL SHUTOFF VALVES AND HVR BALANCE VALVE BEHIND NEW ACCESS DOOR. LOCATION COORDINATED WITH NEW FIXTURE/SUPPORT INSTALLATIONS. PROVIDE WATER HAMMER ARRESTORS.

ENLARGED TOILET PLUMBING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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P100



- ### DEMOLITION PLAN KEY NOTES
- GENERAL:
REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EXTENT OF DEMOLITION WORK. EXISTING SYSTEMS TAKEN FROM RECORD DRAWINGS AND LIMITED FIELD VERIFICATIONS. VERIFY ALL EXISTING SYSTEMS AND ADJUST FINAL DEMOLITION AND NEW WORK TO COORDINATE WITH SAME.
- EXISTING GIRLS TOILET ROOM: DISCONNECT AND REMOVE ALL EXISTING PLUMBING FIXTURES AND SUPPORTS: (3) WALL-MOUNT FLUSH VALVE WATER CLOSETS, (4) COUNTER-MOUNTED LAVATORIES, AND (1) SET OF HCOV LOOSE KEY-OPERATED WASH-DOWN HOSE BIBS BELOW LAV COUNTER. FLOOR DRAIN SHALL REMAIN.
 - EXISTING BOYS TOILET ROOM: DISCONNECT AND REMOVE ALL EXISTING PLUMBING FIXTURES AND SUPPORTS: (3) WALL-MOUNT FLUSH VALVE WATER CLOSETS, (2) WALL-MOUNT FLUSH VALVE URINALS, (2) COUNTER-MOUNTED LAVATORIES, AND (1) SET OF HCOV LOOSE KEY-OPERATED WASH-DOWN HOSE BIBS LOCATED ON WALL BELOW COUNTER LEVEL. FLOOR DRAIN SHALL REMAIN.
 - EXISTING WOMEN'S STAFF TOILET ROOM: DISCONNECT AND REMOVE ALL EXISTING PLUMBING FIXTURES AND SUPPORTS: (1) WALL-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNTED LAVATORY, FLOOR DRAIN SHALL REMAIN.
 - EXISTING MEN'S STAFF TOILET ROOM: DISCONNECT AND REMOVE ALL EXISTING PLUMBING FIXTURES AND SUPPORTS: (1) WALL-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNTED FLUSH VALVE URINAL, (1) COUNTER-MOUNTED LAVATORY, FLOOR DRAIN SHALL REMAIN.
 - REMOVE EXISTING VENT PRING IN CHASE SERVING THIS BATTERY OF 1ST FLOOR FIXTURES TO THE FOLLOWING POINTS: (1) JUST ABOVE FIN. FLOOR ON VENT PRING RISING FROM BELOW SLAB, AND (2) HIGH AS POSSIBLE IN CHASE BEFORE PASSING INTO 2ND FLOOR TOILET ROOM CHASE ABOVE. REFER TO NEW WORK PLAN.
 - REMOVE EXISTING SANITARY AND/OR WASTE PRING IN CHASE SERVING THIS BATTERY OF 1ST FLOOR FIXTURES TO THE FOLLOWING POINTS: (1) JUST ABOVE FIN. FLOOR ON SAN AND/OR WASTE DROP TO BELOW SLAB, AND (2) JUST BELOW LOWEST URINAL CONNECTION OF 2ND FLOOR FIXTURE TO SAN STACK DOWN FROM 2ND FLOOR TOILET ROOM ABOVE. REFER TO NEW WORK PLAN.
 - 1 1/2" HCOV, 1/2" HW FROM TUNNEL, BELOW TO SERVE LAV BATTERIES IN 1ST & 2ND FLR TOILET ROOMS (WITH RISER HCOV SHUTOFFS AND HVR BALANCING VALVE IN TUNNEL). 1 1/2" HCOV, 1/2" HW HORIZ. BRANCH MAINS IN CHASE TO SERVE 1ST FLOOR FIXTURES WITH BRANCH HCOV SHUTOFFS AND BRANCH HVR BALANCING VALVE BEHIND WALL ACCESS DOOR. 1 1/2" HW, 1/2" HW BRANCH RISERS CONTINUING UP TO SERVE 2ND FLOOR FIXTURES. REMOVE 1ST FLOOR HORIZONTAL BRANCH PRING BACK TO RISER, INCLUDING BRANCH SHUTOFF AND BALANCING VALVES. REFER TO NEW WORK PLAN.
 - 3/4" HW, 2 1/2" OW, 1/2" HW FROM TUNNEL, BELOW TO SERVE FIXTURES IN 1ST & 2ND FLR TOILET ROOMS (WITH RISER HCOV SHUTOFFS AND HVR BALANCING VALVE IN TUNNEL). 1 1/2" HW, 2" OW, 1/2" HW HORIZ. BRANCH MAINS IN CHASE TO SERVE 1ST FLOOR FIXTURES WITH BRANCH HCOV SHUTOFFS AND BRANCH HVR BALANCING VALVE BEHIND WALL ACCESS DOOR. 2" OW, 1/2" HW, 1/2" HW BRANCH RISERS CONTINUING UP TO SERVE 2ND FLOOR FIXTURES. REMOVE 1ST FLOOR HORIZONTAL BRANCH PRING BACK TO RISER, INCLUDING BRANCH SHUTOFF AND BALANCING VALVES. REFER TO NEW WORK PLAN.
 - REMOVE EXISTING WALL-MOUNTED WATER COOLER, SUPPORTS AND SERVICES.

ENLARGED TOILET PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

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P100

