Ш

w w w . c s a r c h p o	^	845 · 561 · 3179

HIS	WORK	PRIOR	TO	HAVING	SUBMITTI	ED HIS	S PROF	POSAL.	NO	<b>ADDITIOI</b>	NAL
COM	PENSAT	ION WILL	ΒE	ALLOWED	FOR CON	IDITION	S FOUN	D DURING	THE	COURSE	OF
THE	CONTRA	ιCT.									
THE	CONTRA	OTOD OU		00000111	ATE 1110 VA	ODIC M		TOFALL	\T. I.E		_

WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS

2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF

OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI,

3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.

Plumbing Notes:

OR OTHER ACCEPTABLE STANDARDS.

Plumbing Legend:

\_\_\_\_\_ NG\_\_\_\_\_\_

— DOMESTIC COLD WATER SUPPLY

110 °F DOMESTIC HOT WATER SUPPLY

140 °F DOMESTIC HOT WATER SUPPLY

SANITARY SEWER, ABOVE GRADE

SANITARY SEWER, BELOW GRADE

GREASE WASTE, BELOW GRADE

STORM WATER, ABOVE GRADE

STORM WATER, BELOW GRADE

DIRECTION OF PIPE SLOPE (DOWN)

HOT WATER RETURN

PLUMBING VENT

NATURAL GAS PIPING

ECCENTRIC REDUCER

SIDE CONNECTION

RISE OR DROP IN PIPE

AND EXISTING WORK

SOLENOID VALVE

CHECK VALVE

BUTTERFLY VALVE

PRESSURE GAUGE

DRAIN VALVE

CLEANOUT

F.C.O.

C.O.T.G.

D.C.O.T.G.

(P-X)

WALL CLEANOUT

FLOOR CLEANOUT

CLEANOUT TO GRADE

DOUBLE CLEANOUT TO GRADE

PLUMBING FIXTURE MARK

FULL PORT BALL VALVE

PRESSURE REDUCING VALVE (PRV)

FLEXIBLE PIPING CONNECTION

CAPPED OUTLET

PIPE DOWN

STRAINER

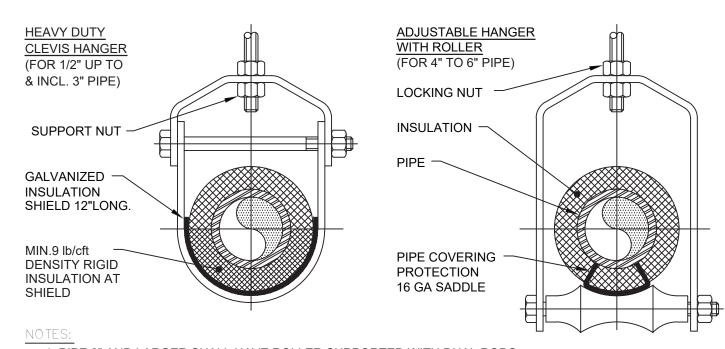
HOSE BIB

TOP CONNECTION, 45° OR 90°

BOTTOM CONNECTION, 45° OR 90°

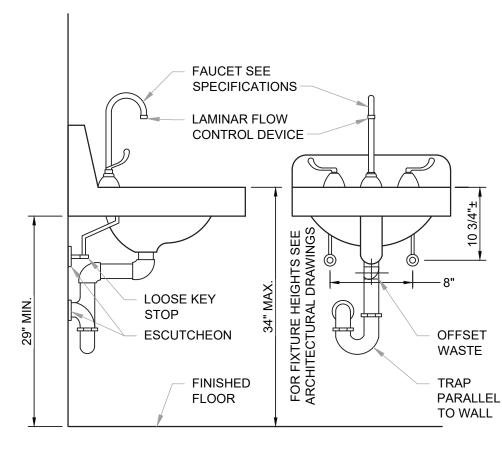
POINT OF CONNECTION BETWEEN NEW

- 4. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 5. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- 6. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 FUEL GAS CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- WHERE THE PROJECT INVOLVES A GAS SERVICE, THIS CONTRACTOR SHALL BE CONCENTRIC REDUCER OR INCREASER RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL GAS UTILITY COMPANY. ALL WORK INVOLVING THE GAS UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
  - 8. ALL DOMESTIC COLD AND HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH 1" THICK RIGID ONE-PIECE MOLDED SECTIONAL FIBERGLASS PIPE COVERING WITH UNIVERSAL JACKET. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF
  - 9. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
  - 10. ALL EXPOSED PIPING, FITTINGS, TRAPS, ESCUTCHEONS, VALVES, ETC. SHALL BE CHROME PLATED.
  - 11. SLOPE SANITARY DRAINAGE PIPING 2" DIAMETER AND SMALLER NOT LESS THAN 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING OVER 2" DIAMETER NOT LESS THAN 1/8" PER FOOT.
  - 12. INSTALL A CLEANOUT AT THE BASE OF EACH SOIL STACK, AT EACH CHANGE IN DIRECTION, AT INTERVALS NOT OVER 50 FEET AND ELSEWHERE AS SHOWN ON DRAWINGS OR REQUIRED BY CODE.
  - 13. PROVIDE EXPOSED PIPING WITH CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREW WHERE PENETRATING FLOORS, CEILINGS, WALLS OR PARTITIONS.
  - 14. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
  - 14.1. WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
  - 14.2. DRAINAGE, WASTE & VENT PIPING TO BE TESTED BY FILLING THE SYSTEM WITH WATER TO 10-FEET ABOVE HIGHEST POINT.
  - 15. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
  - 16. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM. SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
  - 17. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING
  - 18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
  - 19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
  - 20. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.



1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS 2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

PIPE Ø (IN.)	MAX. S	MIN. ROD SIZE		
	STEEL PIPE	COPPER PIPE	CPVC	(IN.)
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8







Plumbing Fixture Schedule

MANUFACTURER/MODEL

(OR ACCEPTABLE EQUAL)

WALL HUNG LAVATORY TYPICAL OF ZURN MODEL #Z5340; VITREOUS CHINA;

ARM CARRIERS. ADA GRID STRAINER AND ADA TRAP/SUPPLY PROTECTORS

WATER CLOSET TYPICAL OF ZURN MODEL #Z5615 HET; WALL HUNG W/

BATTERY SENSOR FLUSH VALVE MODEL# ZER6000AV-HET-CPM.

HANGER #889-CC & STAINLESS WALL GUARD #MSG2424

ZURN MODEL #Z610; FURNISH WITH TRAP SEAL DEVICE

FIBERGLASS CLASS-A GRATE & SEDIMENT BUCKET

ACCEPT; 125 PSIG WORKING PRESSURE

EFFICIENCY; 138 GPH RECOVERY @ 100°F RISE;

ENCASED, LEAD FREE, ANTI SIPHON, AUTO DRAINING

EXPOSED, LEAD FREE, ANTI SIPHON, AUTO DRAINING

#LZS8WSSP; FILTERED 8 GPH STAINLESS

FURNISH WITH TRAP SEAL DEVICE

CONTINUOUS SLOPE

AQUASTAT

FURNISH W/ BATTERY SENSOR FAUCET MODEL #Z6955-XL-S-N-LL, CONCEALED

| ELONGATED FRONT RIM; 1.28 GPF; FURNISH W/ SEAT MODEL #Z5955SS-EL AND

MOP BASIN TYPICAL OF FIAT MODEL #MSB-2424; SHEET MOLDING COMPOUND

CONSTRUCTION; FURNISH W/ FAUCET #830-AA, HOSE & BRACKET #832-AA, MOP

4"Ø FLOOR DRAIN W/ 6" STRAINER TYPICAL OF ZURN MODEL #Z415-BZ1-TSP;

12" WIDE PRE-SLOPED HDPE TRENCH DRAIN TYPICAL OF ZURN MODEL #Z882;

FURNISH WITH FIBERGLASS CLASS-F GRATE; ASSEMBLE SECTIONS TO HAVE

12-1/2" SQUARE TOP HEAVY DUTY DRAIN W/ 4" PIPE CONNECTION TYPICAL OF

SINGLE COMPARTMENT STAINLESS STEEL SINK TYPICAL OF ADVANCE TABCO

REGALINE 94 SERIES; 14 GAUGE TYPE 304 SS; 20"X28" BOWL; 14" DEEP BOWL;

PROVIDE W/ HEAVY DUTY SPLASH MOUNT PRE-RINSE FAUCET MODEL K-116

ONE-PIECE ADA ROLL-IN SHOWER TYPICAL OF FREEDOM SHOWERS MODEL

WELL TANK TYPICAL OF AMTROL MODEL #WX-453C; 264-GAL VOLUME; 264-GAL

GRAB BARS, PRESSURE BALANCE VALVE W/ HAND-HELD SHOWER & SLIDE BAR | HAND CONFIGURATIONS AS SHOWN ON PLANS

#APFQ6334BF75; FURNISH W/ FOLDING SHOWER SEAT, CAULKLESS DRAIN,

CARBON FILTER TYPICAL OF US WATER MODEL 140-31F-GAC-15; 30"X72"

COMPOSITE TANK; FLOW RATES: 44 GPM PEAK, 50 GPM BACKWASH

DUPLEX WATER SOFTENER SYSTEM TYPICAL OF US WATER MODEL

140-129-210-DX-7; (2) 21"X62" COMPOSITE TANKS; FLOW RATES: 55 GPM

NORMAL, 77 GPM PEAK, 12 GPM BACKWASH; W/ 100 GALLON BRINE TANK

COMMERCIAL GAS HIGH EFFICIENCY WATER HEATER TYPICAL OF AO SMITH

RECIRCULATION AND MIXING STATION TYPICAL OF BRADLEY MODEL#NRS-4;

FURNISH W/ TACO SMARTPLUS MODEL #008-IQSF6-IFC RECIRC PUMP AND

ENCASED WALL HYDRANT TYPICAL OF ZURN ECOLOTROL MODEL #Z1330XL;

EXPOSED WALL HYDRANT TYPICAL OF ZURN ECOLOTROL MODEL #Z1333XL;

BOTTLE FILLING STATION & SINGLE ADA COOLER TYPICAL OF ELKAY MODEL

MODEL #BTH-120(A); 60 GAL CAPACITY; 120,000 BTUH INPUT; 95.0% THERM.

HDPE CATCH BASIN TYPICAL OF ZURN MODEL #Z887-6; FURNISH WITH

REMARKS

INSTALL PER ADA & MANUFACTURER'S

INSTALL PER ADA & MANUFACTURER'S

TYPICAL OF ZURN Z1201 OR EQUAL

INSTALL PER MANUFACTURER'S

MTD. AT 36" ABOVE FINISHED GRADE.

MTD. AT 24" ABOVE FINSHED FLOOR.

REQUIREMENTS & ARCH DETAILS W/ SPOUT

HEIGHT AT 30" ABOVE FINISHED GRADE

INSTALL PER MANUFACTURER'S

INSTALL PER MANUFACTURER'S

**INSTALL PER MANUFACTURER'S** 

REQUIREMENTS; ORDER IN LEFT & RIGHT

REQUIREMENTS. PROVIDE WALL CARRIER

REQUIREMENTS

ELECTRONIC

CONTROL

ADA

(Y/N)

SUPPLY

FIXTURE

UNITS

2.0

10.0

1.4

3.0

**FIXTURE** 

UNITS

PIPING CONNECTION

1-1/2

VENT

1-1/2

1-1/2

H.W. | C.W. | WASTE

1/2 1/2

1-1/2 | 1-1/2 |

3/4

3/4

1-1/2

OF LINK SEAL

1-1/2

**Exterior Wall Pipe Penetrations** 

0.25

PIPE SLEEVE EXTEND 1'

**BEYOND WALL FACE** 

 $\frac{3}{4}(140F)$ 

FIXTURE

MARK

P-2

P-3

P-4

P-5

P-6

P-7

P-8

P-9

P-10

P-11

P-12

P-13

P-14

P-15

P-16

DESCRIPTION

LAVATORY

WATER CLOSET

FLOOR DRAIN

TRENCH DRAIN

FLOOR DRAIN

CATCH BASIN

STAINLESS STEEL

WELL TANK

CARBON FILTER

DUPLEX SOFTENER

SYSTEM

GAS

WATER HEATER

STATION

**EXTERIOR WALL** 

HYDRANT

**EXPOSED WALL** 

HYDRANT

DRINKING FOUNTAIN

W/ BOTTLE FILLER

RECIRC/MIXING |1(110F)

2'x2' MOP BASIN 1/2 1/2

SHOWER SYSTEM | 1/2 | 1/2 |

2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING

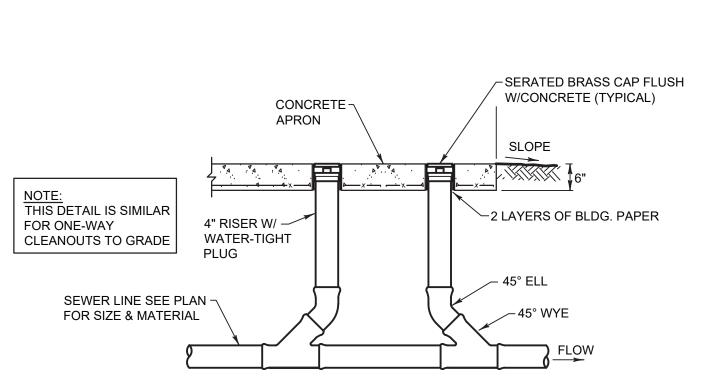
INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.



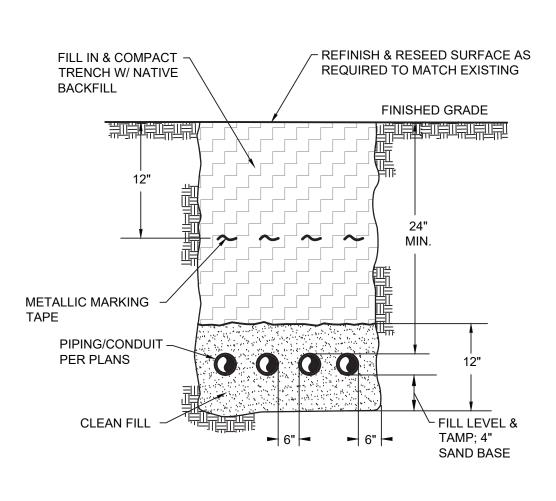


NOTE 1

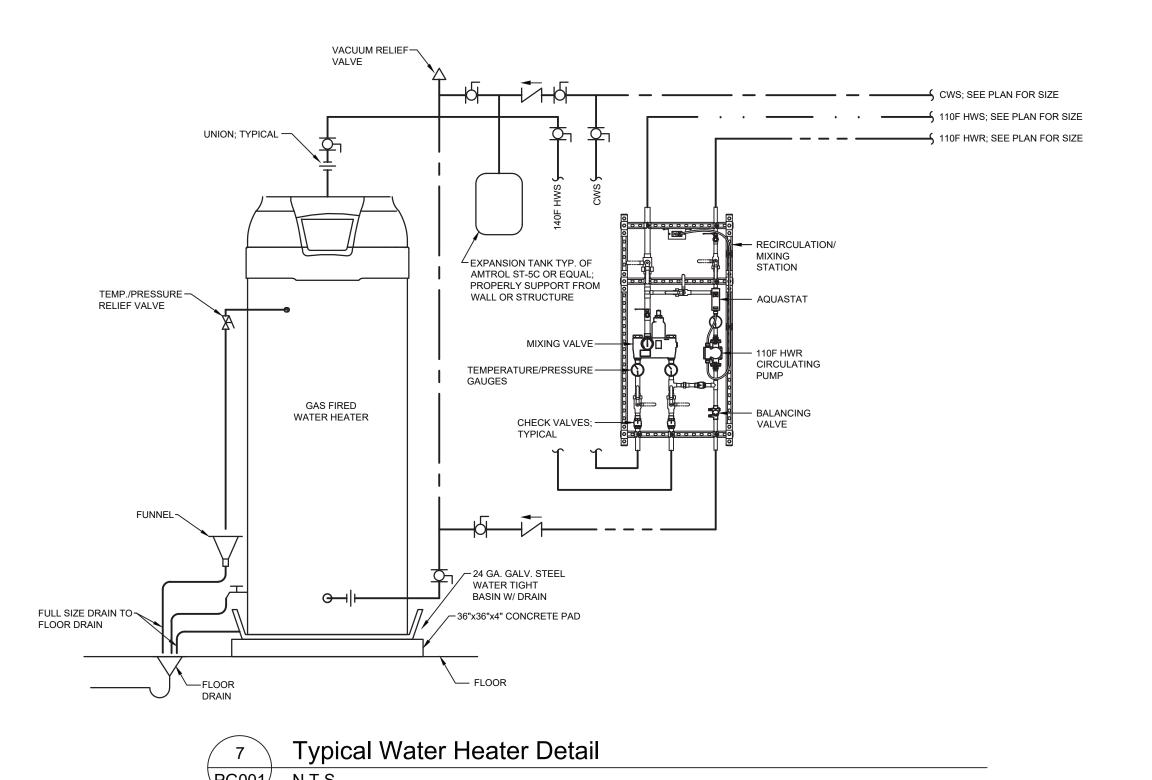
NOTES:

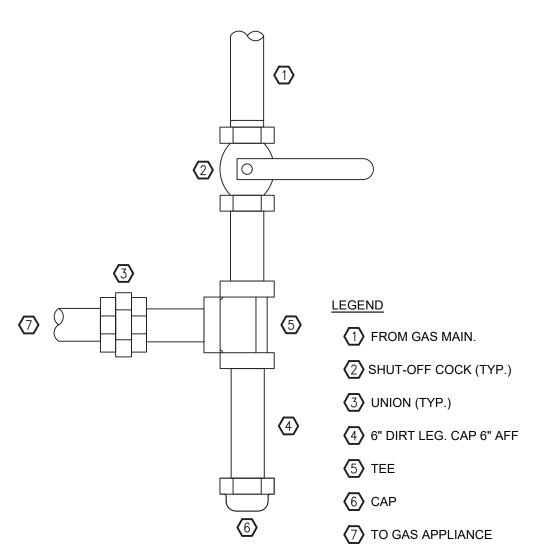




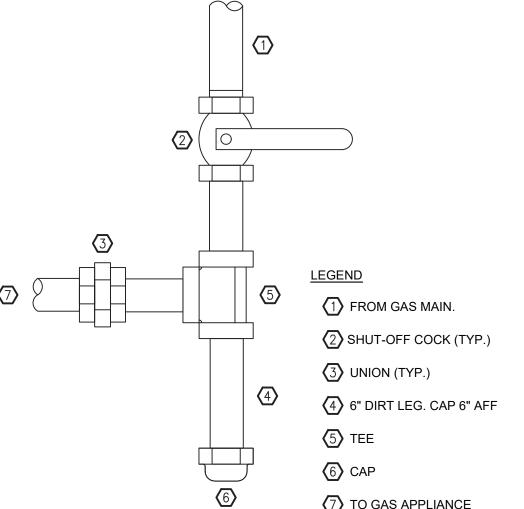








Gas Piping Appliance Connection Detail



SCHEDULE, LEGEND & **DETAILS** 

PLUMBING

NOTES,

# DATE

Drawn By:

Proj. #: CSArch Proj. #:

Issued for Bid:

PG001



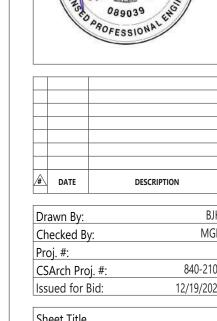


Project Title

OF NEW YORKSTONE

WANTER

WANTE



Proj. #:

CSArch Proj. #: 840-210

Issued for Bid: 12/19/202

Sheet Title

FIRST FLOOR

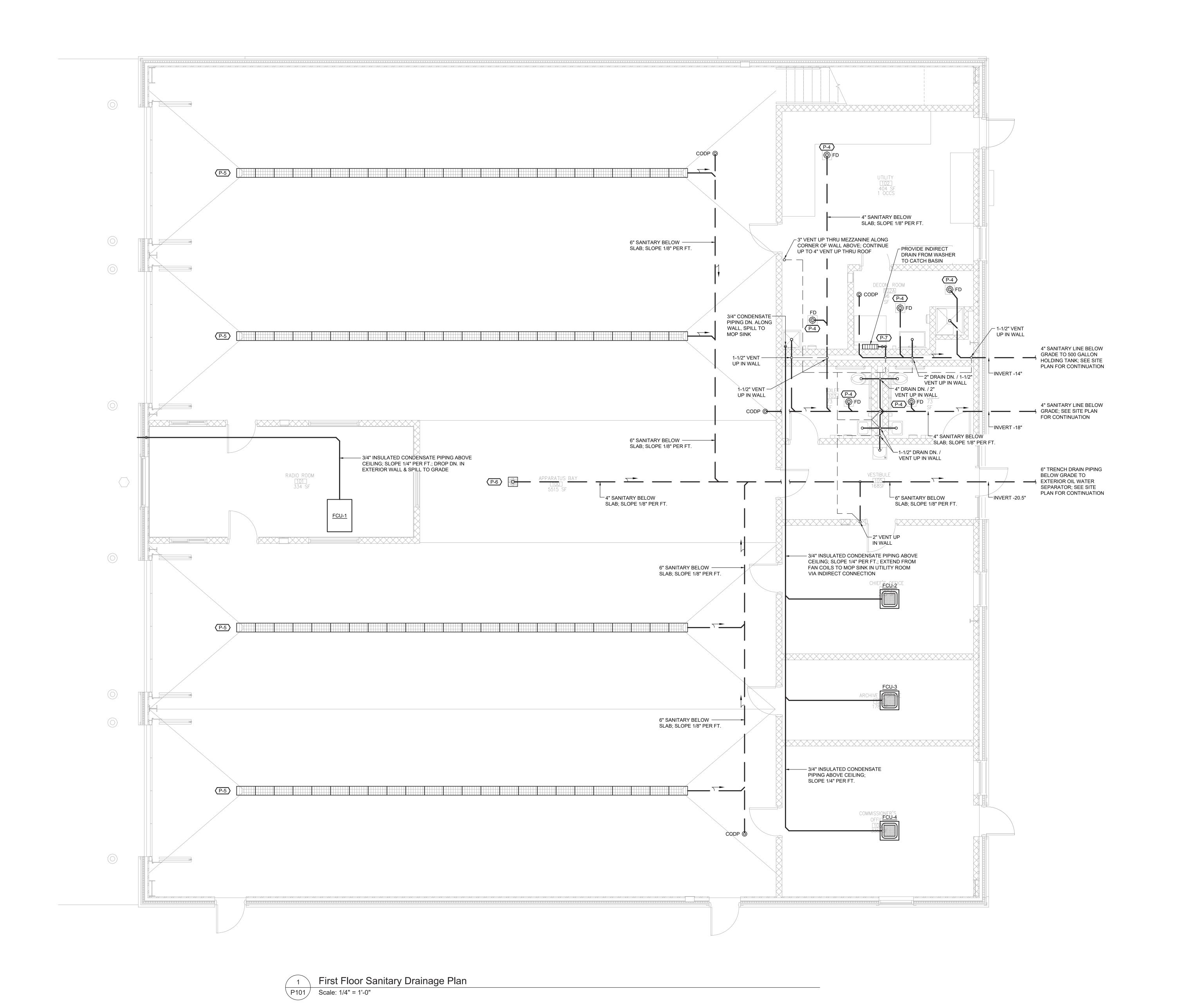
SANITARY

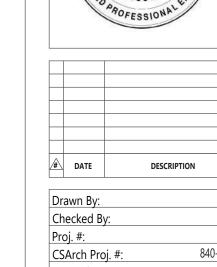
FIRST FLOOR SANITARY DRAINAGE PLAN

P101

COPYRIGHT © ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS





FIRST FLOOR WATER DISTRIBUTION PLAN

COPYRIGHT © ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS

