

FIXTURE CONNECTION SCHEDULE

ITEM	DESCRIPTION	S/W	TRAP	VENT	DFU	BRANCH		CONN.		REMARKS
						CW	HW	CW	HW	
WC 1	WATER CLOSET	4"	INT.	2"	3	3/4"	-	1/2"	-	TOTO MODEL CST464MF-01 "AQUA III-UNIVERSAL HEIGHT" WITH SS204-01 SOFT CLOSE SEAT (WHITE)
WC 2	WATER CLOSET	4"	INT.	2"	3	1 1/4"	-	1"	-	TOTO MODEL CST418FG-01 "AQUA" WALL HUNG DUAL FLUSH WITH SS204-01 SOFT CLOSE SEAT (WHITE) IN WALL TANK AND CARRIER SYSTEM WT152M
WC 3	WATER CLOSET	4"	INT.	2"	3	1 1/4"	-	1"	-	AMERICAN STANDARD 2859128 "AF" WALL FLOWISE WALL MOUNTED 1.28 GPF (WHITE) WITH 5905.110 HEAVY DUTY SEAT WITH EVERCLEAN.
L 1	LAVATORY	2"	1 1/4"x 1 1/2"	1 1/2"	1	1/2"	1/2"	1/2"	1/2"	SIGNATURE HARDWARE 328599 RIXTON WALL MOUNT WITH SIGNATURE HARDWARE 266427 EXPOSED TRAP. FAUCET SIGNATURE HARDWARE 305044.
L 2	LAVATORY	2"	1 1/4"x 1 1/2"	1 1/2"	1	1/2"	1/2"	1/2"	1/2"	AMERICAN STANDARD ROXALYN WALL HUNG WITH TRUEBRO 2018-AS-R LAV SHIELD PROTECTIVE. FAUCET FONTAINE LNF-EUC6-CP SINGLE HOLE CENTER.
L 3	LAVATORY	2"	1 1/4"x 1 1/2"	1 1/2"	1	1/2"	1/2"	1/2"	1/2"	AMERICAN STANDARD ROXALYN WALL HUNG WITH TRUEBRO 2018-AS-R LAV SHIELD PROTECTIVE. FAUCET SYMMONS S-60-G-H SCOT SLOW CLOSING OMNI TEMPERATURE.
KS 1	KITCHEN SINK	2"	1 1/2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	VIGO VG2918 DOUBLE BOWL UNDERMOUNT STAINLESS STEEL. FAUCET RICHELIEU A123140 SINGLE LEVER. POLISHED CHROME.
BT 1	BATH TUB	2"	2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	SUNRISE SPECIALITY CO. 807-55 CAST IRON BUILT-IN TUB FAUCET AMERICAN STANDARD T064.602.002 SERIN-PRESSURE BALANCE ROUGH VALVE.
BT 2	BATH TUB	2"	2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	SUNRISE SPECIALITY CO. 807-59 CAST IRON BUILT-IN TUB FAUCET AMERICAN STANDARD T064.602.002 SERIN-PRESSURE BALANCE ROUGH VALVE.
LS 1	LAUNDRY SINK	2"	2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	ALLSTRONG SIB2424-C STAINLESS STEEL. FAUCET CHICAGO 305-RCP WALL MOUNT FAUCET WITH ADJUSTABLE ARMS.
S 1	SINK	2"	1 1/2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	ALLSTRONG SIB1515-C STAINLESS STEEL. FAUCET CHICAGO 305-RCP WALL MOUNT FAUCET WITH ADJUSTABLE ARMS.
CW 1	CLOTH WASHER	2"	2"	1 1/2"	3	1/2"	1/2"	1/2"	1/2"	MAYTAG MHN30PD COMMERCIAL COIN OPERATED IPS CORP W4700 WATER TITE RECESSED CENTER DRAIN ECONOBOX.
CD 1	CLOTH DRYER	2"	2"	1 1/2"	3	1/2"	1/2"	1/2"	1/2"	MAYTAG MHN30PD COMMERCIAL COIN OPERATED
FD 1	FLOOR DRAIN	2"	2"	1 1/2"	2	-	-	-	-	J.R. SMITH MODEL 2005 WITH TRAP PRIMER CONNECTION
HB 1	HOSE BIBB	-	-	-	-	1/2"	-	1/2"	-	WOODFORD MODEL 24
FS 1	FLOOR SINK	2"	2"	1 1/2"	1"	-	-	-	-	J.R. SMITH MODEL 3100Y WITH TRAP PRIMER CONNECTION.
US 1	UTILITY SINK	2"	1 1/2"	1 1/2"	2	1/2"	1/2"	1/2"	1/2"	ALLSTRONG SIB1818-C STAINLESS STEEL MOP SINK FAUCET CHICAGO 305-RCP WAL MOUNTED FAUCET WITH ADJUSTABLE ARMS.
RD 1	ROOF DRAIN	-	-	-	-	-	-	-	-	MANUF. THUNDERBIRD MODEL BD3NH

EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
	VERSA-HYDRO MODEL PHE-199-119S, 119 GALLONS STORAGE CAPACITY, SHIPPING WEIGHT: 1,450 LBS. 199,000 BTU GAS INPUT, 120 VOLTS, 1 PHASE.
	HOT WATER RECIRCULATING PUMP BELL & GOSSETT MODEL PR 1/6 H.P., 120V., 1 PHASE OR EQUAL WITH TANK STAT AND TIME CLOCK.
	2" BACK FLOW PREVENTER WILKINS MODEL#375A
	2" WATER PRESSURE REDUCING VALVE WILKINS MODEL 500YSR X"
	AIR COMPRESSOR MANUFACTURE INGERSOLL RAND, 15HP, 460V, 3 PHASE, MINIMUM PRESSURE 140 P.S.I., INCLUDE A REFRIGERANT AIR DRYER INTEGRATED INTO THE COMPRESSOR ENCLOSURE.
	ELECTRIC WATER HEATER POINT OF USE, MANUF EEMAX MODEL EX75, 240V, 7500 WATTS

WATER CALCULATION

SANTA BARBARA CENTER

WATER PRESSURE: **LOW:** 110 **HIGH:** 130

DEVELOPED LENGTH : 350 FT. (FROM PRV TO MOST REMOTE FIXTURE)

FITTING LENGTH : 70 FT.

TOTAL DEV. LENGTH (TDL) : 420 FT.

PIPE MATERIAL: COPPER TYPE L: X COPPER TYPE K: X OTHER: _____

FIXTURE COUNT				PIPE SCHEDULE			
QUANTITY	FIXTURE	UNITS/FIX	TOTAL	SIZE	F.T.		FV
9	WC	2.5	22.5	1/2"	CW	HW	0
2	WC	5	10	3/4"	3	3	0
11	LAV	1	11	1"	10	9	0
9	K.SINK	1.5	13.5	1"	23	17	0
1	L. SINK	1.5	1.5	1-1/4"	48	29	10
7	SINK	1.5	10.5	1-1/2"	102	48	14
9	BATH TUB	4	36	2"	260	120	136
1	CLOTHES-WASHER	4	4				
1/4	HOSE BIB	2.5/1	2.5/2				

CW TOTAL: 113.5 FU = 71 GPM
HW TOTAL: 76.5 FU = 38 GPM

CALCULATIONS:

AVAILABLE PRESSURE : 80 PSI

LOSS THRU METER (1 1/2") : 6.3 PSI

LOSS THRU 1 1/2" PRV : 8.0 PSI

ELEVATION LOSS 27' x0.43 : 11.7 PSI

RESIDUAL PRESSURE : 30 PSI

OTHER LOSSES : - PSI

PRESSURE AVAILABLE FOR LOSS(P1) : 30.3 PSI

FRICITION LOSS/100 FT = $\frac{(P1)}{(TDL)} \times 30.3$ 30.3 420 X 100 = 7.2 PSI/100 FT

PIPE VELOCITY DESIGNED @ 8 FT/SEC (COLD WATER)

PIPE VELOCITY DESIGNED @ 5 FT/SEC (HOT WATER)

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VISIT JOB-SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE STARTING TRENCHING WORK, OR THE INSTALLATION OF ANY PIPING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FEES REQUIRED FOR WORK SHOWN ON THESE DRAWINGS. EXCEPT AS INDICATED BELOW.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING GAS COMPANY FOR INSTALLATION OF THE NEW METER AND/OR NEW GAS SERVICE. OWNER SHALL PAY ANY FEES REQUIRED BY GAS CO. FOR INSTALLATION OF SAID METER AND/OR SERVICE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE WATER DEPARTMENT FOR INSTALLATION OF THE NEW DOMESTIC WATER METER, FIRE SERVICE DETECTOR CHECK VALVE AND SERVICE. OWNER SHALL PAY ANY FEES REQUIRED BY WATER COMPANY FOR INSTALLATION OF SAID METER, DETECTOR CHECK AND SERVICE.
- THE DRAWINGS ARE DIAGRAMATIC. THE LOCATION OF PIPING IS APPROX. COORDINATE THE LOCATION OF PIPING WITH OTHER TRADES. ANY CONFLICTS WITH OTHER TRADES SHALL BE RESOLVED PRIOR TO THE INSTALLATION, OF ANY PIPING.
- UNDERGROUND PIPING SHALL CLEAR ALL FOOTINGS IN AN APPROVED MANNER. SEE STRUCTURAL DRAWINGS FOR REQUIRED CLEARANCES AND ALLOWABLE FOOTING PENETRATION LOCATIONS.
- ALL EXCAVATION AND BACKFILL SHALL CONFORM TO THE SPECIFIC SECTION OF THE SPECIFICATIONS FOR EXCAVATION AND BACKFILL.
- ALL WORK SHALL BE DONE IN COMPLIANCE WITH 2010 EDITION OF THE CALIFORNIA PLUMBING CODE.-CPC
- CONCEAL ALL PIPING IN FINISHED PORTIONS OF THE BUILDING UNLESS NOTED OTHERWISE.
- CONSULT ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND LOCATION AND ELEVATION OF FIXTURES.
- SANITARY VENTS THRU ROOFS SHALL TERMINATE AT LEAST 10' OR 3' ABOVE ANY OPERABLE WINDOW OR FRESH AIR INTAKE.
- PROVIDE SHUT-OFF VALVES AT ALL GAS FIRED EQUIPMENT. PROVIDE SOLID CONNECTION TO GAS FIRED EQUIPMENT, EXCEPT FLEX SHALL BE USED IF EQUIPMENT CONNECTION SIZE IS 3/4" OR 1/2"
- PROVIDE MAIN GAS SHUT - OFF VALVE ON HOUSE SIDE OF METER, POST SIGN AT MAIN SHUT-OFF VALVE READING "MAIN GAS SHUT - OFF".
- CLEANOUTS SHALL BE INSTALLED AS PER CODE SECTION 707 & 719
- THE PLUMBING FIXTURES AND PLUMBING FITTING SHALL MEET THE FOLLOWING MAXIMUM FLOW:
A) WATER CLOSETS SHALL USE 1.28 GALLONS PER FLUSH MAXIMUM.
B) SHOWERHEADS SHALL USE 2.2 GALLONS PER MINUTE MAXIMUM.
C) LAVATORY FAUCETS SHALL USE 1.0 GALLONS PER MINUTE MAXIMUM.
D) SINK FAUCETS SHALL USE 1.8 GALLONS PER MINUTE MAXIMUM.
- ALL DOWN SPOUTS SHALL HAVE A CLEANOUT AT THE FOOT OF PIPE BEFORE LEAVING BUILDING.
- STORM DRAINPIPE SIZING IS BASED ON 2" RAINFALL. USE RECTANGULAR PIPE UNDER SIDEWALKS AND WHERE INDICATED ON DRAWINGS.
- A PERMIT IS REQUIRED FROM PUBLIC WORKS TO MAKE A BUILDING DRAIN CONNECTION TO A PUBLIC SEWER MAIN.
- ANCHOR OR STRAP WATER HEATERS TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION.
- AT THE TIME OF DESIGN, OUR OFFICE HAS VERIFIED THAT ALL PIPING, FIXTURES AND EQUIPMENT HAVE THE REQUIRED APPROVAL BY THE CITY OF SANTA BARBARA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, BETWEEN THE TIME THE CONTRACT IS SIGNED AND THE TIME FOR SUBMITTALS TO BE SUBMITTED, TO ASCERTAIN IF THE APPROVALS ARE STILL VALID AND IF NOT TO NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO SUBMITTING SUBMITTALS FOR APPROVAL. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAKING SURE ANY SUBSTITUTIONS ARE APPROVED.
- SLOPE ALL SOIL & WASTE PIPING AT 1/4" PER FOOT U.N.O.
- SLOPE ALL STORM DRAINAGE PIPING AT 1/4" PER FOOT U.N.O.
- SLOPE ALL CONDENSATE DRAINS AT 1/8" PER FOOT MINIMUM.
- HOT WATER PIPING SHALL BE INSULATED PER SECTION 123 OF 2008 I.E.C. ENERGY EFFICIENCY STANDARDS. SEE TABLE 1-G FOR INSULATION THICKNESS REQUIREMENTS.

PIPE MATERIAL SCHEDULE

SERVICE	MATERIAL	COPPER TYPE "M"	COPPER TYPE "L"	COPPER TYPE "K"	BLACK STEEL	POLYETHYLENE	CAST IRON SOIL PIPE & FITTINGS
WATER	ABOVE FLOOR		•				
	BELOW FLOOR			•			
SANITARY DRAINAGE	INSIDE						•
	OUTSIDE						•
SAN. VENT	INSIDE						•
	OUTSIDE						•
GAS	ABOVE FLOOR				•		
	BELOW FLOOR					•	
CONDENSATE DRAINAGE	INSIDE	•					
	OUTSIDE	•					
RAIN WATER DRAINAGE	INSIDE						•
	OUTSIDE						•

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	S OR W	SOIL OR WASTE
	V	SANITARY VENT
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	HW	HOT WATER HEAT TRACED
	SW	SOFT WATER
	FW	FILTERED WATER
	G	FUEL GAS
	CD	CONDENSATE DRAIN
	SCD	SECONDARY CONDENSATE DRAIN
	SD	STORM DRAIN
	OSD	OVERFLOW STORM DRAIN
	SPD	SUMP PUMP DISCHARGE
	SED	SEWAGE EJECTOR DISCHARGE
	F	FIRE SPRINKLER
		TYP. BEL. GRD. OR FLR. PIPE DESIGNATION
		PIPE UP OR FROM ABOVE
		PIPE DN. OR FROM BELOW
		PIPE FR. BEL. & UP OR FR. ABV. & DN.
		GREASE WASTE
		TRAP INDICATION
	FD/AD	FLOOR OR AREA DRAIN
	FS	FLOOR SINK
	RD	ROOF DRAIN
	OFD	OVERFLOW ROOF DRAIN
	CO	CLEANOUT
	FCO/SCO	FLOOR/SURFACE CLEANOUT
	WCO	WALL CLEANOUT
	HB	HOSE BIBB
	BV	BACKWATER VALVE
	GV	GATE VALVE
	CH V	CHECK VALVE
	GC	GAS COCK
	PRV	PRESSURE REDUCING VALVE
	POC	POINT OF CONNECTION
	TP	AUTOMATIC TRAP PRIMER
	RPBP	REDUCING PRESSURE BACKFLOW PREVENTER
	WHA	WATER HAMMER ARRESTOR
	P&T	PRESSURE & TEMPERATURE RELIEF VALVE

NOTE: THIS IS A PLUMBING GENERAL LEGEND SOME OF THESE ITEMS SHOWN ABOVE MAY NOT BE USED ON THIS PROJECT.

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ABV.	ABOVE	HDR.	HEADER
BEL.	BELOW	@	AT
DN.	DOWN	W/	WITH
FR.	FROM	CONN.	CONNECT, CONNECTION
(E)	EXISTING	BOP	BOTTOM OF PIPE
FLR.	FLOOR	POC	POINT OF CONNECTION
CLG.	CEILING	FIN.	FINISH
IE/INV. EL.	INVERT ELEVATION	HB	HOSE BIB
EL./ELEV.	ELEVATION	ASSY.	ASSEMBLY
CL	CENTERLINE	CONT.	CONTINUATION
CONTR.	CONTRACTOR	VTR	VENT THRU ROOF
TYP.	TYPICAL	GRD	GRADE
INT.	INTERGAL	PRESS	PRESSURE
GPM	GALLONS PER MINUTE	MAX./MIN.	MAXIMUM/MINIMUM
AP	ACCESS PANEL	FU	FIXTURE UNIT
CFU	COMBINED FIXTURE UNIT	DFU	DRAINAGE FIXTURE UNIT
IW	INDIRECT WASTE	ID	INDIRECT DRAIN
U.N.O.	UNLESS NOTED OTHERWISE	P.O.C.	POINT OF CONNECTION

NOTE: THIS IS A PLUMBING ABBREVIATIONS SOME OF THESE ITEMS SHOWN ABOVE MAY NOT BE USED ON THIS PROJECT.

PIPE INSULATION THICKNESS TABLE 1-G

FLUID TEMP. RANGE	CONDUCTIVITY RANGE (IN BTU-INCH PER HOUR PER SF PER DEGREE F)	INSULATION MEAN RATING TEMPERATURE	NOMINAL PIPE DIAMETER (IN INCHES)				
			ROUNDS 1 AND UP TO 2 LESS	1.25-2	2.50-4	5-6	8 AND LARGER
ABOVE 105	0.24-0.28	100	0.5	1.0	1.0	1.5	1.5

INSULATION THICKNESS REQUIRED (IN INCHES)

BUILDING GAS LOAD-CFH

	WATER HEATING	CLOTHES-DRYER	-	TOTAL
NEW	199	50	-	249
FUTURE				
TOTAL	199	50	50	299

TOTAL DEVELOPED LENGTH = SEE FLOOR PLANS

LOW PRESSURE

STAMP

CONSULTANTS

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PROJECT

SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY

513 GARDEN STREET
SANTA BARBARA, CA 93101

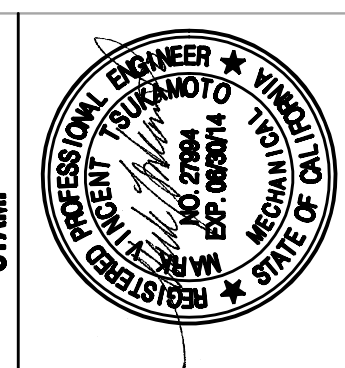
ISSUES / REVISIONS

SHEET TITLE	DATE	PHASE	SCALE
PLUMBING LEGEND, SCHEDULES AND CALCS	04/07/13	ISSUE FOR BID SET	NONE

SHEET

P1.0

FULL SIZE



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PROJECT
**SANTA BARBARA CENTER FOR
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 59 GARDEN STREET
 SANTA BARBARA, CA 93101

ISSUES / REVISIONS

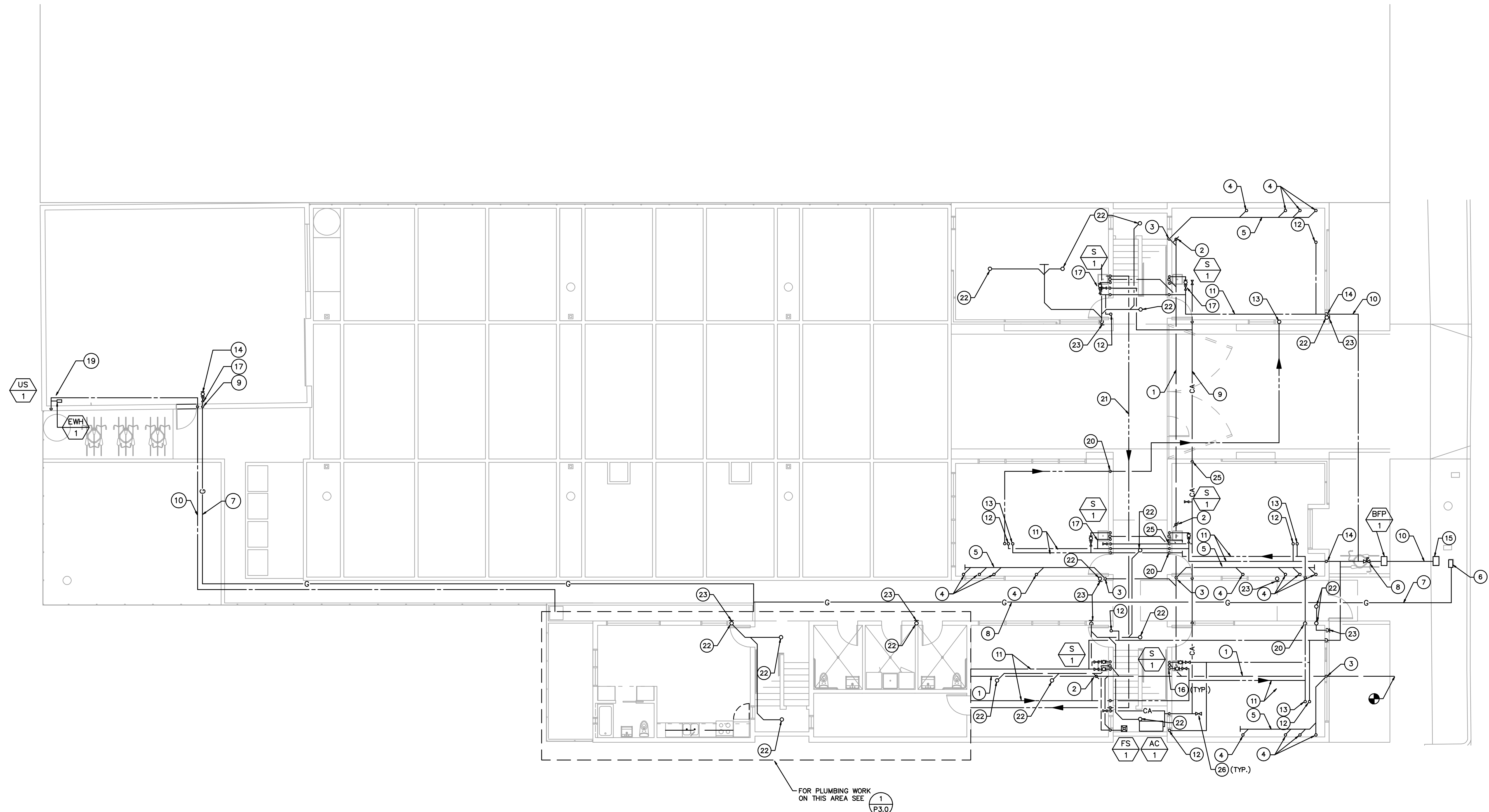
SHEET TITLE
 SITE / FIRST FLOOR
 PLUMBING PLAN

DATE
 04/07/13

PHASE
 ISSUE FOR BID SET

SCALE
 FULL SIZE

SHEET
 P2.1

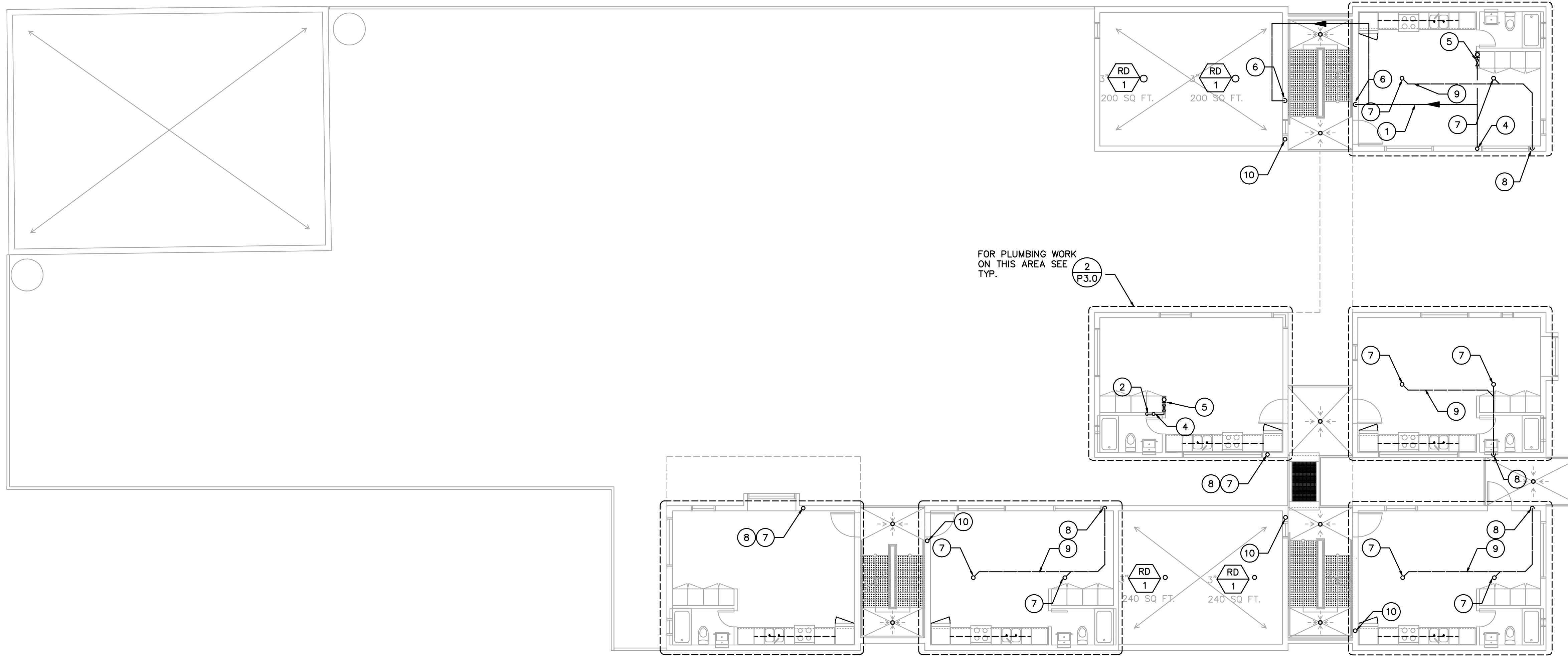


FOR PLUMBING WORK
 ON THIS AREA SEE
 1
 P.3.0

KEY NOTES

- ① WASTE LINE RUN BELOW FLOOR/PAVING.
- ② WCO/FCO - SEE DETAIL.
- ③ WASTE LINE DOWN TO BELOW FLOOR.
- ④ WASTE LINE DOWN FROM FLOOR ABOVE.
- ⑤ WASTE LINE RUN ABOVE CEILING.
- ⑥ PROPOSED GAS METER LOCATION
- ⑦ GAS LINE RUN BELOW FLOOR/PAVING.
- ⑧ WATER PRESSURE REGULATOR
- ⑨ COMPRESSED AIR LINE RUN BELOW FLOOR/PAVING.
- ⑩ COLD WATER LINE RUN BELOW FLOOR/PAVING.
- ⑪ COLD/HOT WATER LINE RUN ABOVE CEILING.
- ⑫ COLD WATER LINE UP TO SECOND FLOOR.
- ⑬ HOT WATER LINE UP TO SECOND FLOOR.
- ⑭ COLD WATER UP FROM BELOW FLOOR.
- ⑮ HOUSE WATER METER IN YARD BOX.
- ⑯ VENT LINE UP TO SECOND FLOOR.
- ⑰ COLD/HOT WATER SUBMETER WITH SOV BEHIND ACCESS PANEL.
- ⑱ HOT WATER RETURN DN FROM SECOND FLOOR
- ⑲ CONNECT NEW 2"WASTE AND 1-1/2"V LINES TO EXISTING WASTE
- ⑳ HOT WATER DN TO BELOW FLOOR
- ㉑ HOT WATER RETURN RUN BELOW FLOOR
- ㉒ 3" SD LINE DN FROM SECOND FLOOR
- ㉓ 3" SD LINE SPILL @ FLOOR. TERMINATE WITH DOWNSPOUT NOZZLE. MANUF. J.R. SMITH MODEL 1770
- ㉔ COMPRESSED AIR LINE RUN ABOVE CEILING
- ㉕ COMPRESSED AIR LINE DN TO BELOW FLOOR
- ㉖ COMPRESSED AIR LINE WITH QUICK DISCONNECT NIPPLE

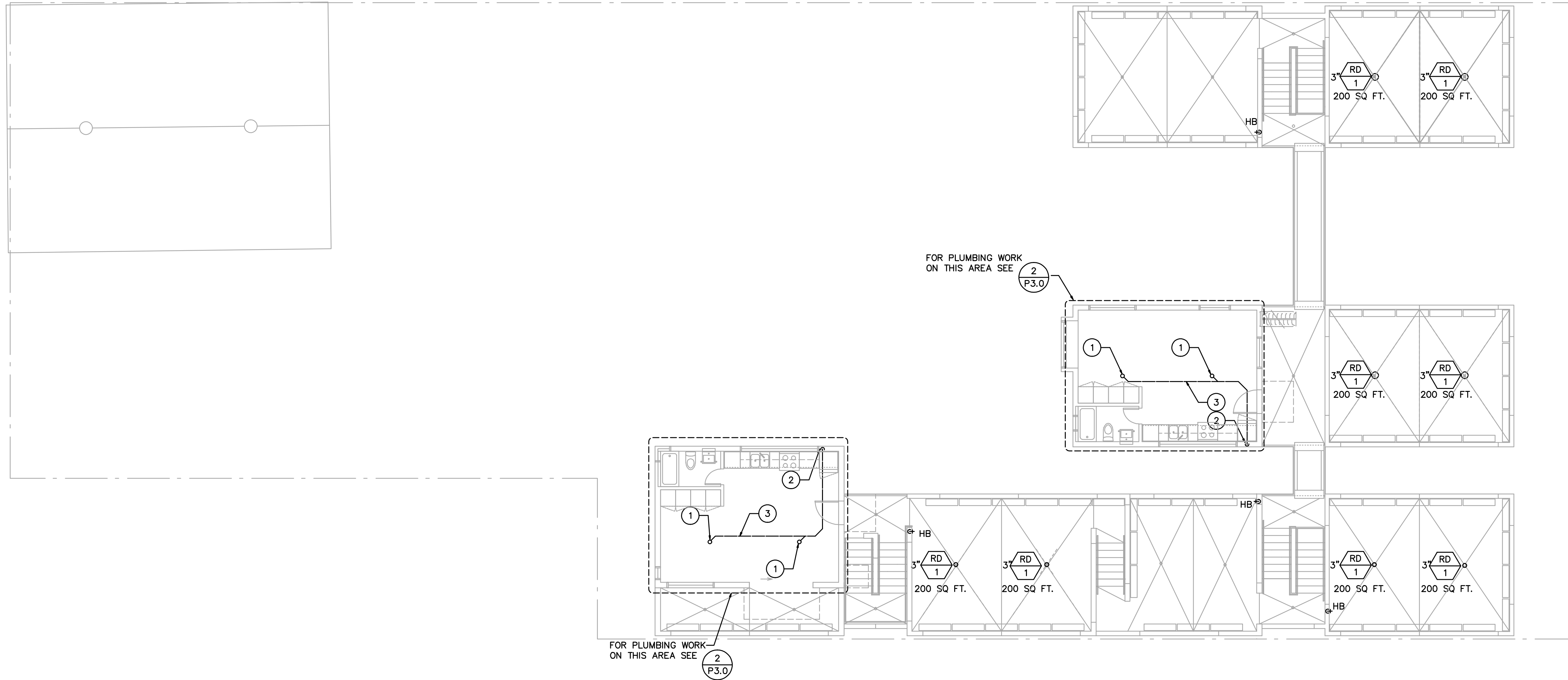
1 SITE / FIRST FLOOR PLUMBING PLAN
 1/8" = 1'-0"



- KEY NOTES
- ① HOT WATER LINE RUN ABOVE CEILING.
 - ② HOT WATER LINE UP TO THIRD FLOOR.
 - ③ HOT WATER LINE DN TO FIRST FLOOR.
 - ④ HOT WATER UP FROM FIRST FLOOR.
 - ⑤ HOT WATER SUBMETER BEHIND ACCESS PANEL
 - ⑥ HOT WATER LINE DN TO FIRST FLOOR. COONECT TO WORKSHOP SINK
 - ⑦ 3"SD DN FROM ROOF
 - ⑧ 3"SD DN TO FIRST FLOOR
 - ⑨ 3"SD DN RUN ABOVE CEILING.
 - ⑩ COLD WATER RISER

① SECOND FLOOR PLUMBING PLAN
1/8" = 1'-0"

SHEET	P2.2					
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DATE	04/07/13					
PHASE	ISSUE FOR BID SET					
SCALE	1/8" = 1'-0" FULL SIZE					
SHEET TITLE	SECOND FLOOR PLUMBING PLAN					
ISSUES / REVISIONS	•					
PROJECT	SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY 59 GARDEN STREET SANTA BARBARA, CA 93101					
CONSULTANTS	Dozal & Assoc. 26123 Singer Pl. Stevenson Ranch, CA 91381 T.661.993.3343					
STAMP						
<p style="text-align: center;">M A R C Y A R C H I T E C T U R E</p> <p>315 Linden Street San Francisco, CA 94102 Tel 415 551 7630 Fax 415 551 7601 www.macyarchitecture.com</p>						

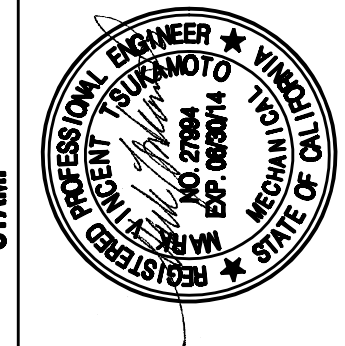


- KEY NOTES
- ① 3" STORM DRAIN LINE DOWN FROM ROOF
 - ② 3" STORM DRAIN LINE DOWN TO SECON FLOOR
 - ③ 3" STORM DRAIN LINE RUN ABOVE CEILING

① THIRD FLOOR PLUMBING PLAN
1/8" = 1'-0"

M A R C H
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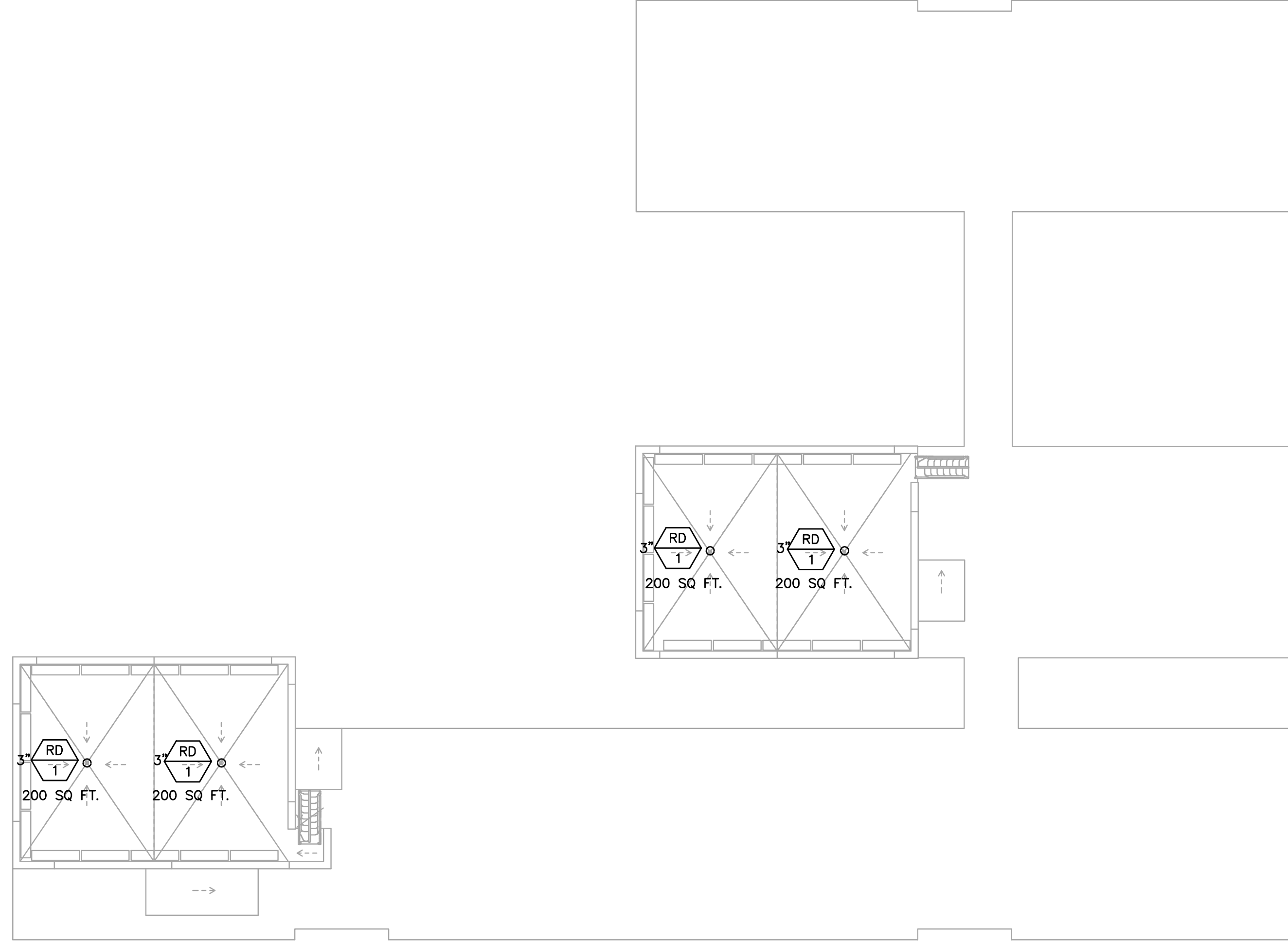
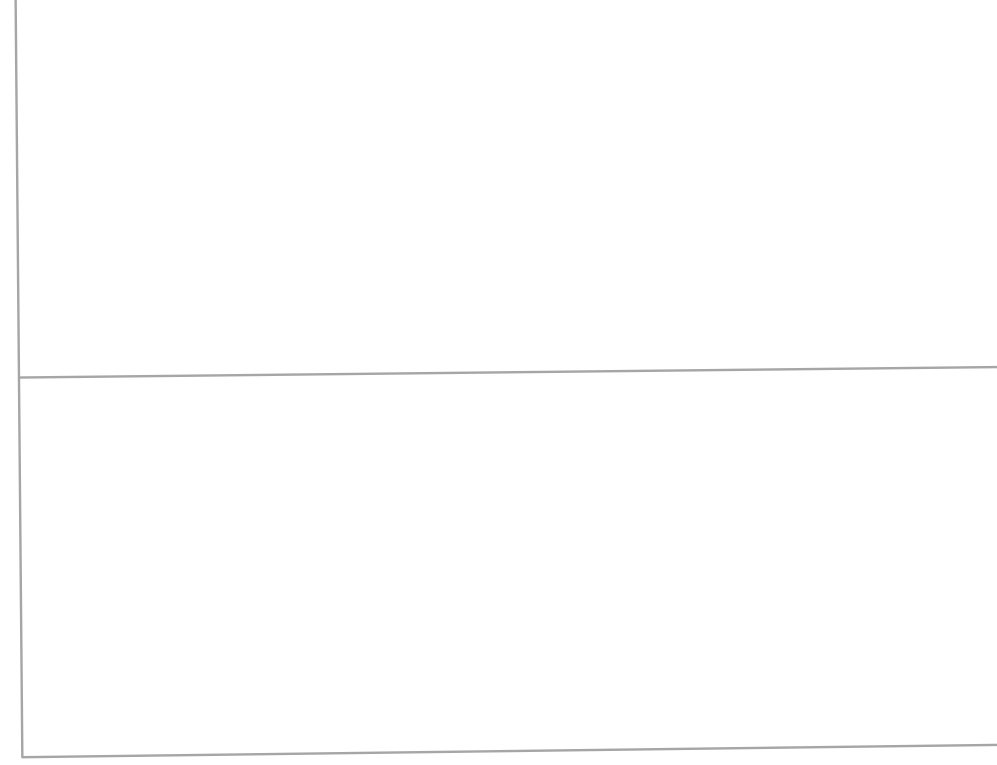
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PROJECT
SANTA BARBARA CENTER FOR
ART, SCIENCE & TECHNOLOGY
59 GARDEN STREET
SANTA BARBARA, CA 93101

ISSUES / REVISIONS

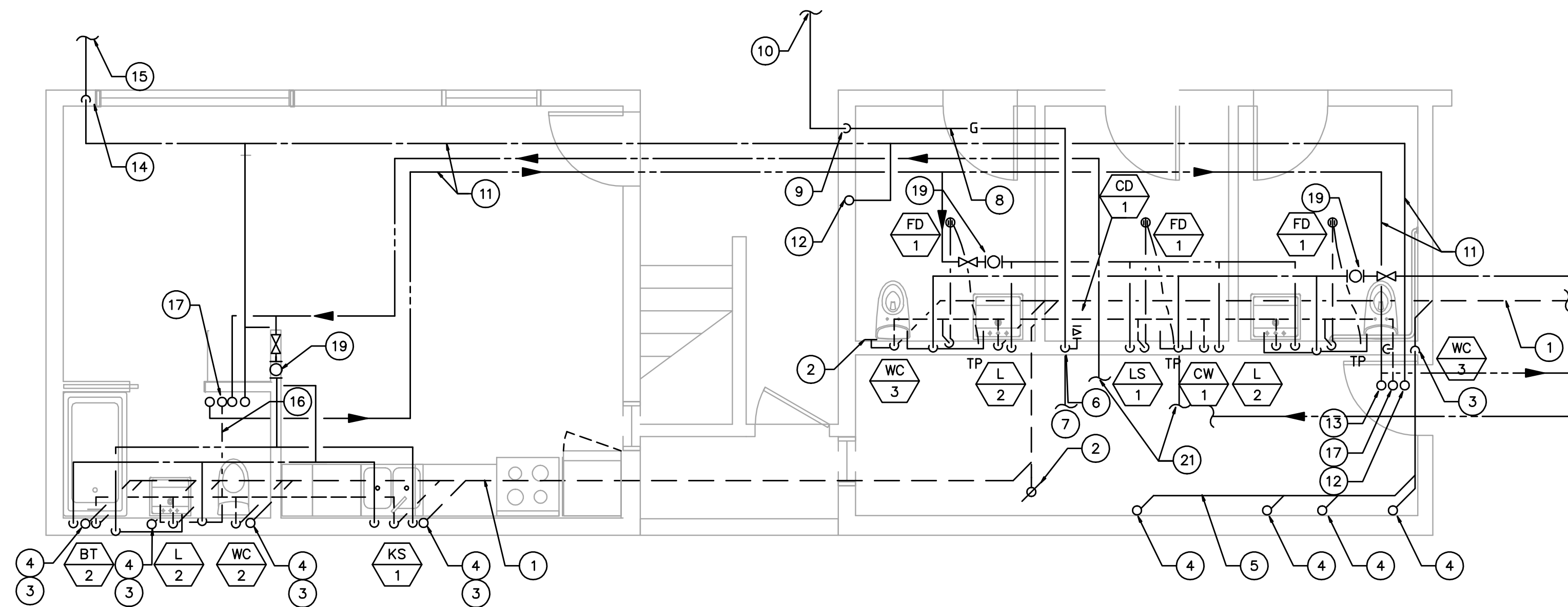
SHEET TITLE
THIRD FLOOR
PLUMBING PLAN
DATE 04/07/13
PHASE ISSUE FOR BID SET
SCALE 1/8" = 1'-0" FULL SIZE

SHEET P2.3

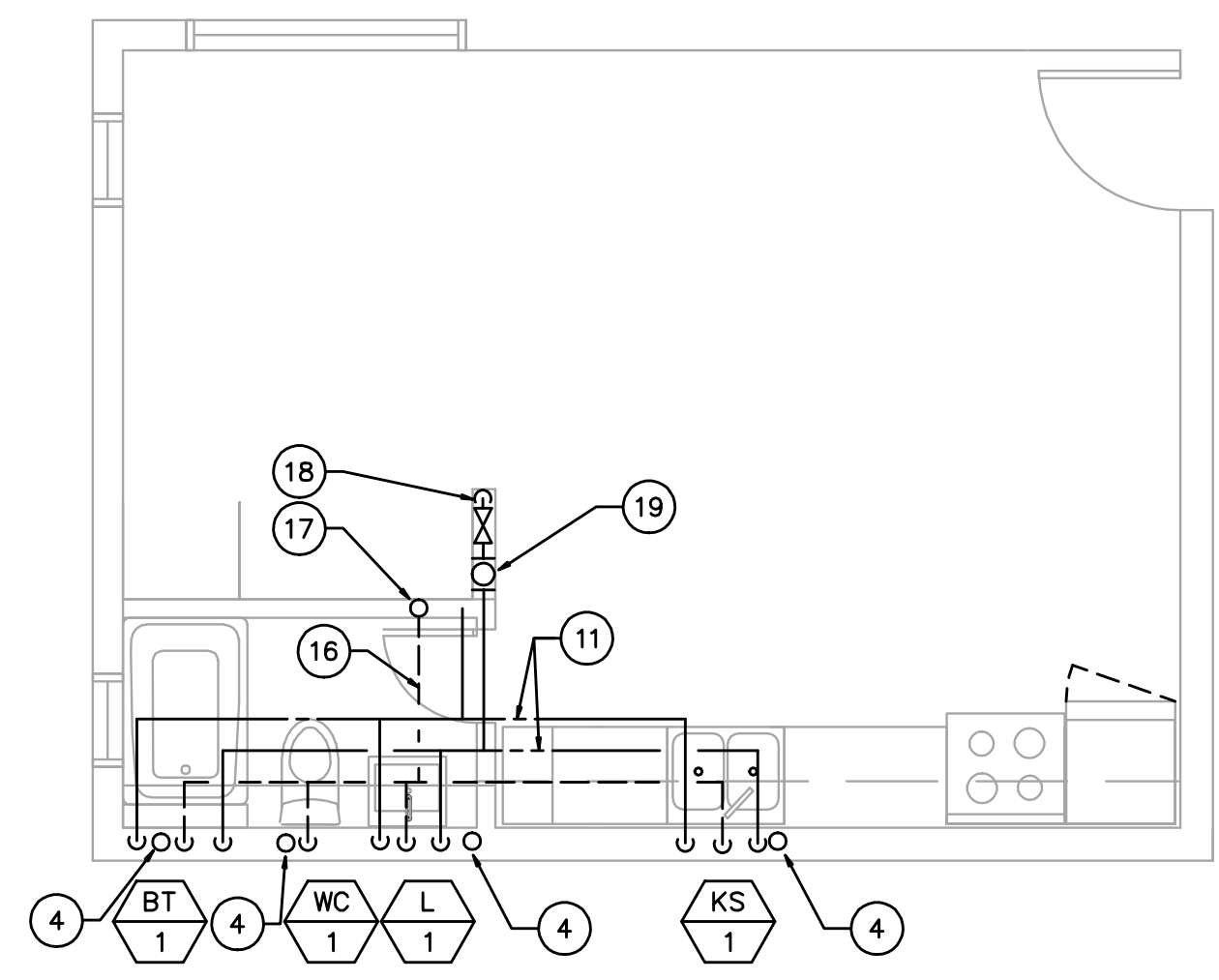


1 PLUMBING ROOF PLAN
 1/8" = 1'-0"

SHEET	P2.4	ISSUES / REVISIONS	•	PROJECT	SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY <small>59 GARDEN STREET SANTA BARBARA, CA 93101</small>	CONSULTANTS	<small>Dozal & Assoc. 26123 Singer Pl. Stevenson Ranch, CA 91381 T.661.993.3343</small>	STAMP		M A C H A R C H I T E C T U R E <small>315 Linden Street San Francisco, CA 94102 Tel 415 551 7630 Fax 415 551 7601 www.macyarchitecture.com</small>



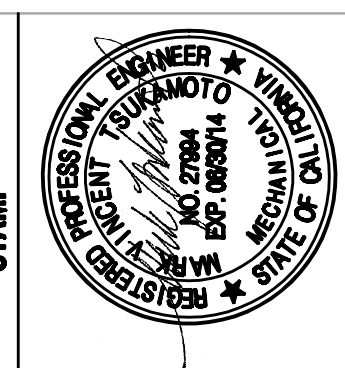
1 ENLARGED ACCESSIBLE DWELLING UNIT,
LAUNDRY AND RESTROOMS PLUMBING PLANS
1/4" = 1'-0"



2 ENLARGED TYPICAL DWELLING UNIT PLUMBING PLAN
1/4" = 1'-0"

KEY NOTES

- 1 WASTE LINE RUN BELOW FLOOR.
- 2 WCO/FCO - SEE DETAIL
- 3 WASTE LINE DOWN TO BELOW FLOOR.
- 4 WASTE LINE DOWN FROM FLOOR ABOVE.
- 5 WASTE LINE RUN ABOVE CEILING.
- 6 CONNECT G W/SOC TO CLOTH DRYER (70 CFH).
- 7 CONNECT G W/SOC TO WATER HEATER (199 CFH) SEE MECHANICAL DRAWINGS FOR EXACT LOCATION
- 8 GAS LINE RUN IN ABOVE CEILING.
- 9 G LINE DOWN TO BELOW FLOOR.
- 10 FOR G LINE CONTINUATION, SEE SITE PLAN P2.1
- 11 COLD/HOT WATER LINE RUN ABOVE CEILING.
- 12 COLD WATER LINE UP TO SECOND FLOOR.
- 13 HOT WATER LINE UP TO SECOND FLOOR.
- 14 COLD WATER DOWN TO BELOW FLOOR.
- 15 FOR WATER LINE CONT. SEE SITE PLAN P2.1.
- 16 VENT LINE RUN ABOVE CEILING.
- 17 VENT LINE UP TO SECOND FLOOR.
- 18 COLD/HOT WATER LINE UP FROM FLOOR BELOW
- 19 COLD/HOT WATER SUBMETER WITH SOV BEHIND ACCESS PANEL
- 20 3/4" HWR UP TO SECOND FLOOR.
- 21 COLD AND HOT WATER LINE FROM WATER HEATER. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
- 22 HOT WATER LINE DN FROM SECOND FLOOR.



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PROJECT
SANTA BARBARA CENTER FOR
ART, SCIENCE & TECHNOLOGY
59 GARDEN STREET
SANTA BARBARA, CA 93101

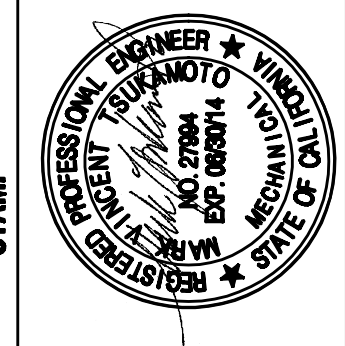
ISSUES / REVISIONS

•

SHEET TITLE
ENLARGED PLUMBING
PLANS

DATE	04/07/13
PHASE	ISSUE FOR BID SET
SCALE	1/8" = 1'-0" FULL SIZE

SHEET
P3.0



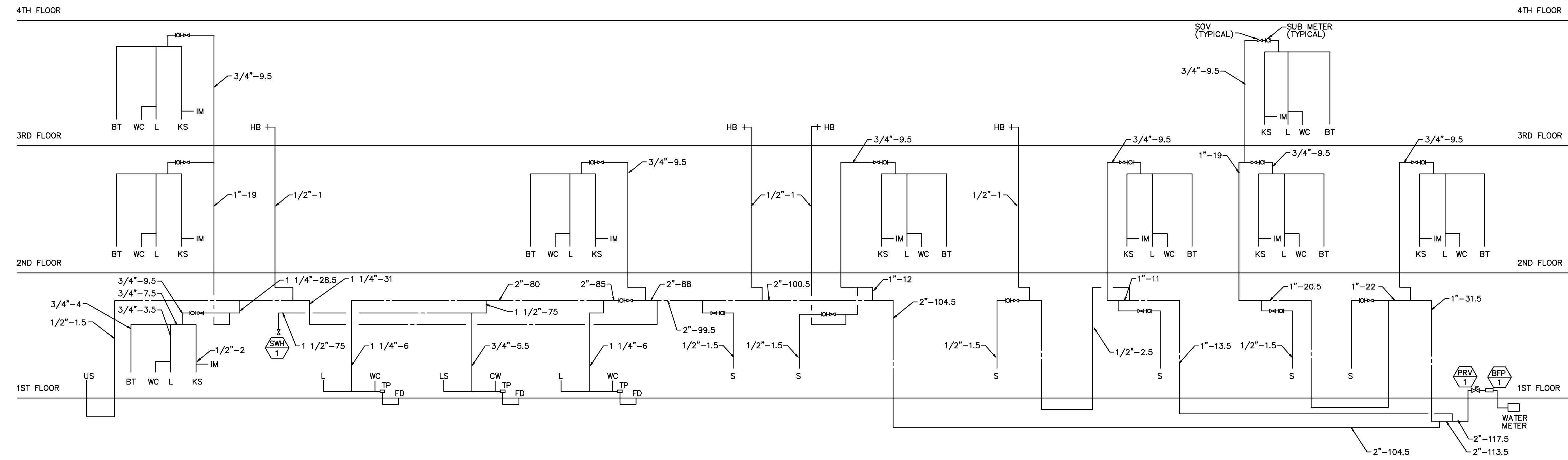
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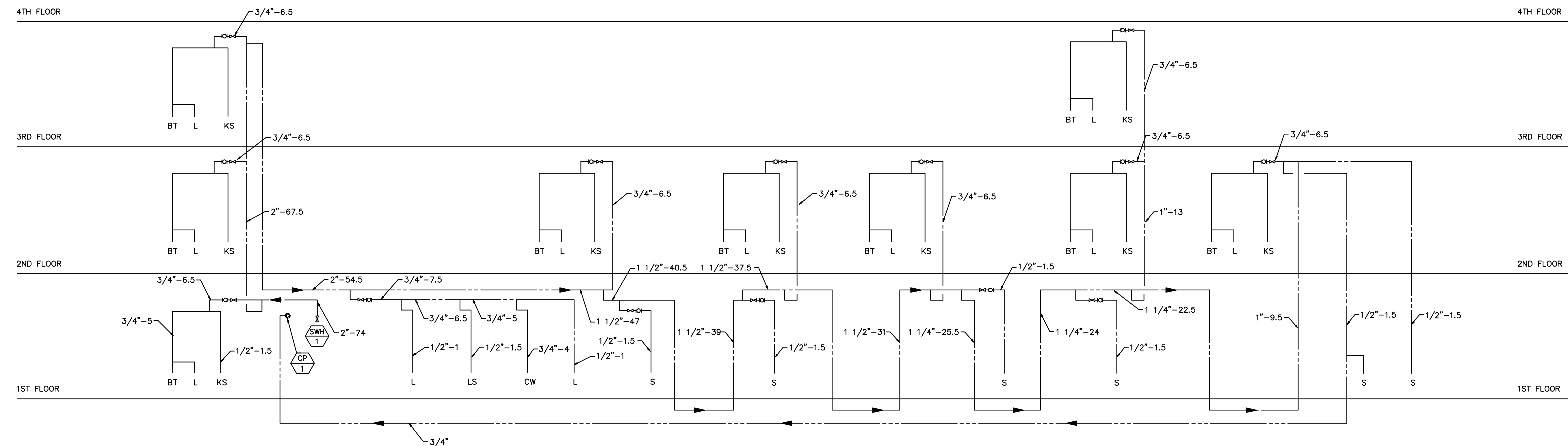
ISSUES / REVISIONS
 •

SHEET TITLE
 RISER DIAGRAMS
 DATE 04/07/13
 PHASE ISSUE FOR BID SET
 SCALE FULL SIZE

SHEET
 P4.1



COLD WATER RISER DIAGRAM



HOT WATER RISER DIAGRAM