

**1 GROUND FLOOR PLUMBING PLAN**  
 Scale: 1/8" = 1'-0"

**INTERIM REVIEW ONLY**  
 Document Incomplete: Not intended for permit or construction.  
 Engineer: N. Curt Jones, P.E.  
 P.E. Serial No.: 58428  
 Date: 11 October 2013



Nonya Grenader FAIA  
 ARCHITECT

**David Watson, Architect & Associates**  
 1921 Market Street  
 Galveston, Texas 77550  
 409-762-8000 (Voice)  
 409-762-5256 (Facsimile)  
 Architecture, Renovation/Restoration, and Space Planning  
 Member of the American Institute of Architects

**Clock Tower Building**  
 Phase 4 Renovation

Houston, Texas 77008  
 Architect's Project No.: 130104

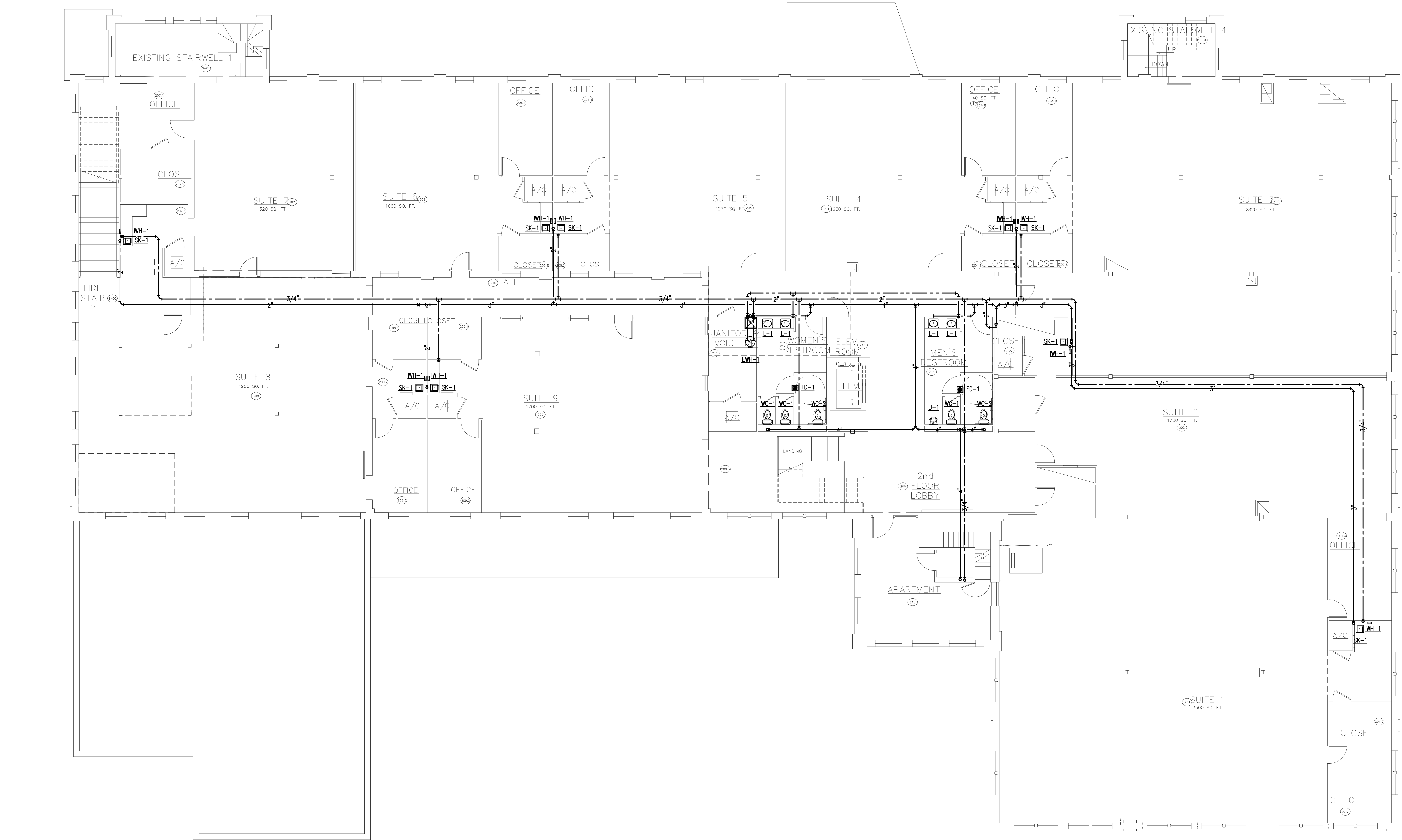
Progress Set

Ground Floor  
 Plumbing Plan

Date: 6/21/13

**P1.1**

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**1 SECOND FLOOR PLUMBING PLAN**  
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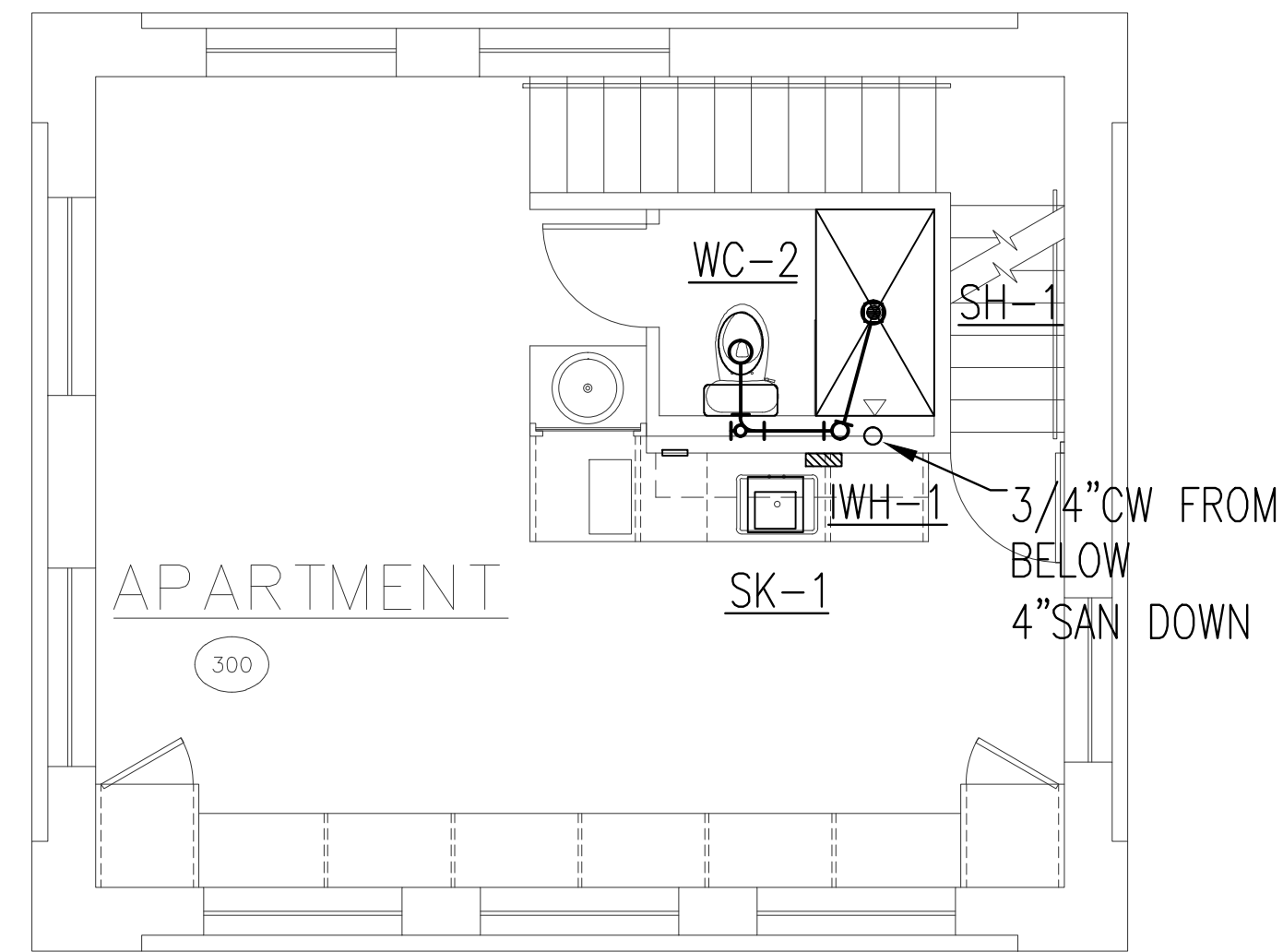
Progress Set

Second Floor  
 Plumbing Plan

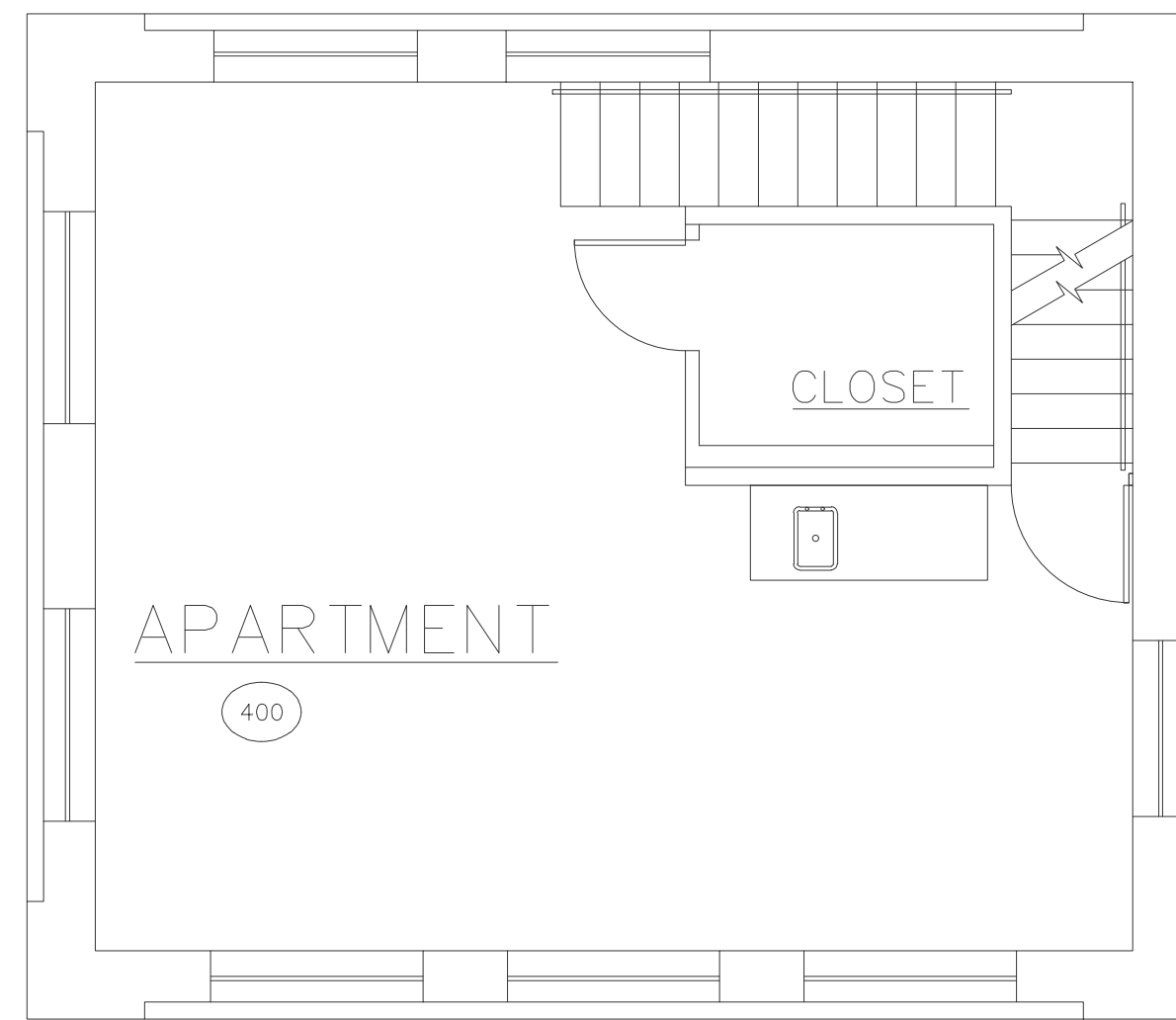
Date: 6/21/13

**P1.2**

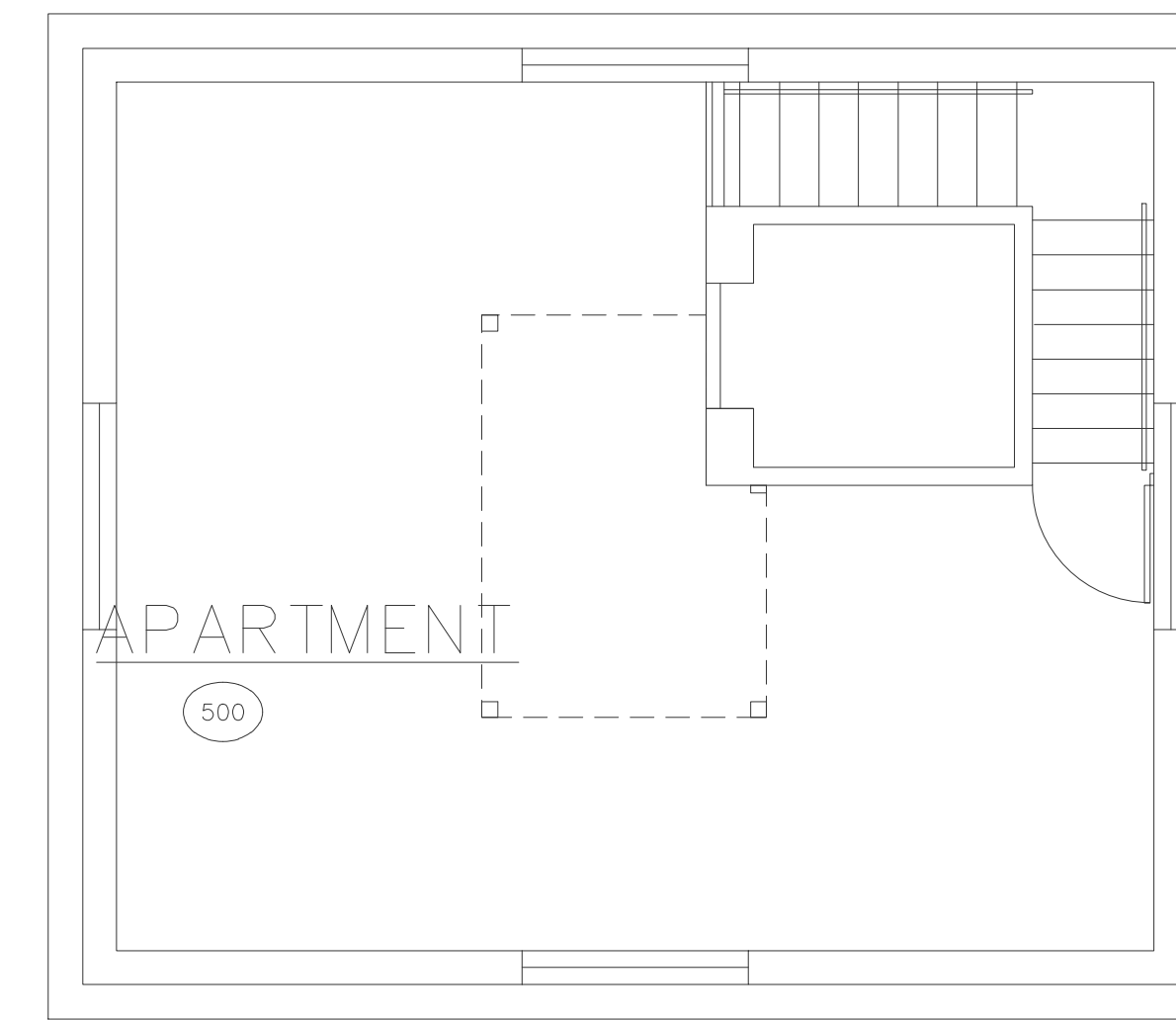
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**1 3rd FLOOR PLUMBING PLAN**  
Scale: 1/4" = 1'-0"



**2 4th FLOOR PLUMBING PLAN**  
Scale: 1/4" = 1'-0"



**3 5th FLOOR PLUMBING PLAN**  
Scale: 1/4" = 1'-0"

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Galveston, Texas 77550  
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409-762-5256 (Facsimile)  
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3rd, 4th, & 5th Floor  
Plumbing Plan

Date: 6/21/13

**P1.3**

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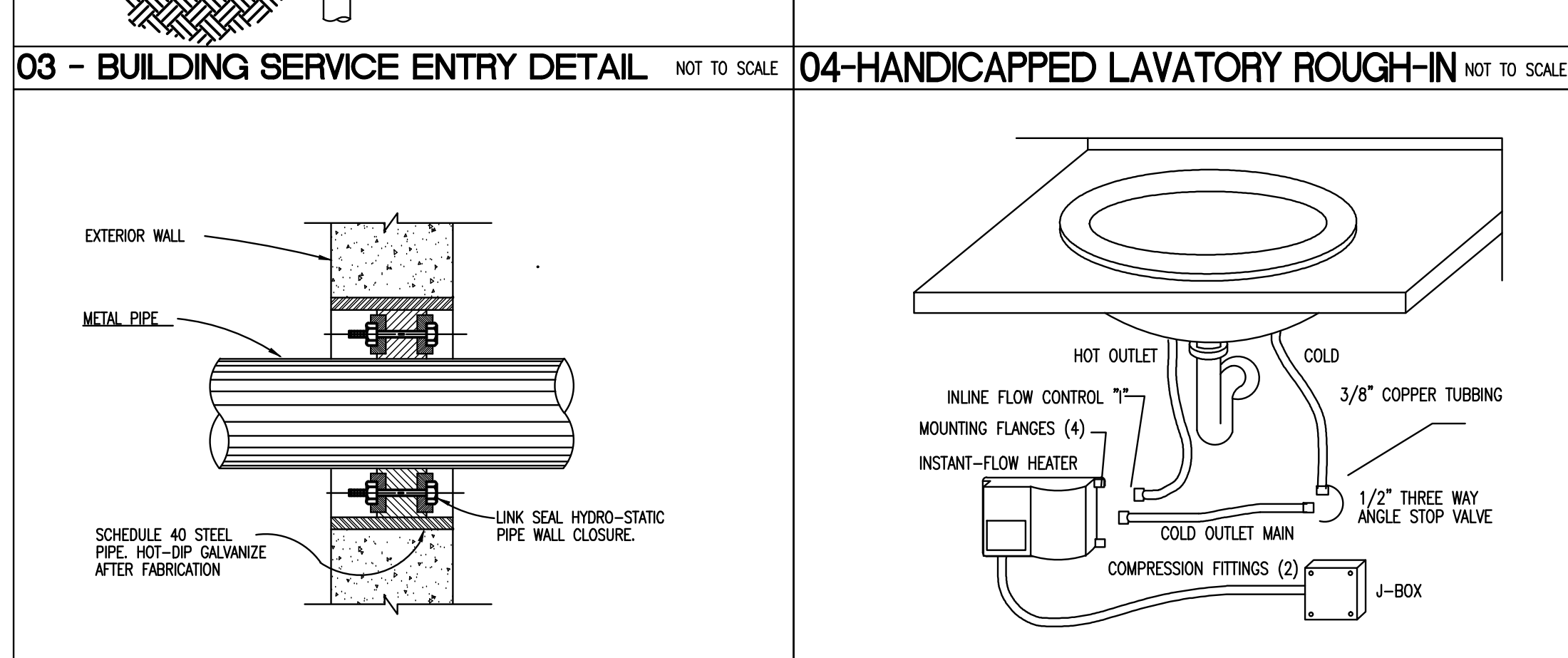
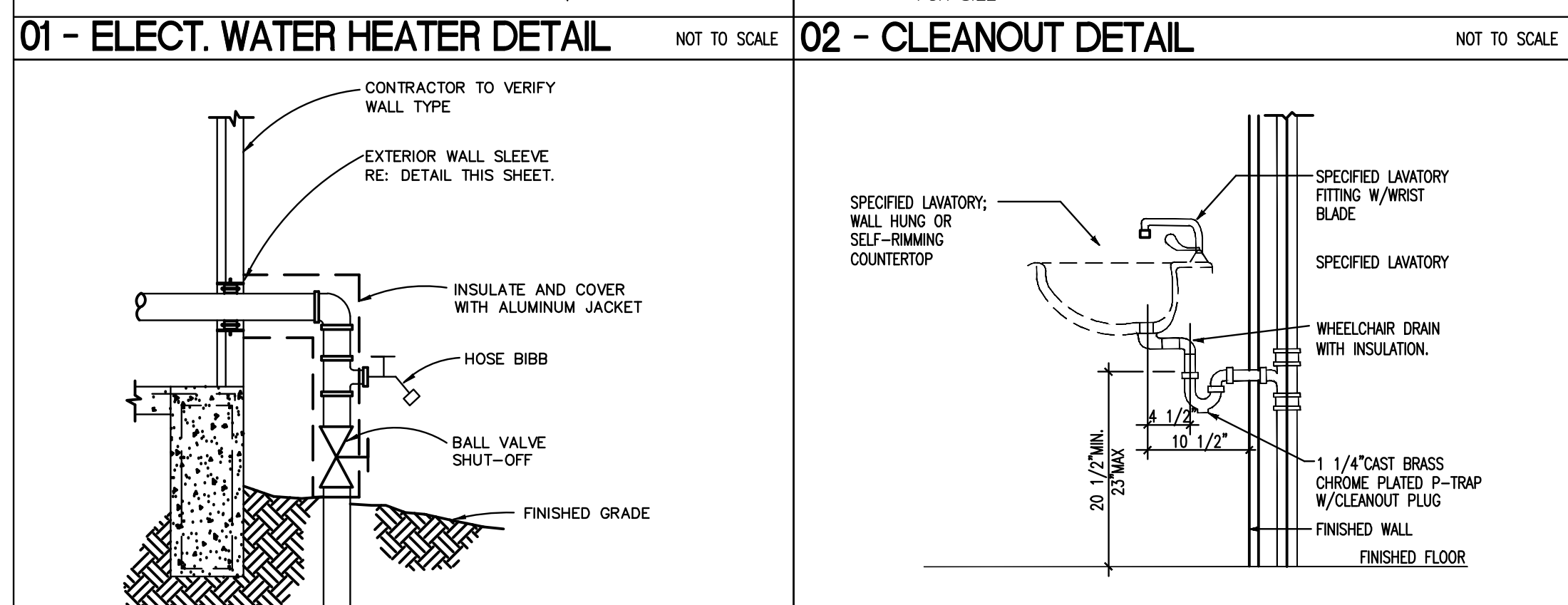
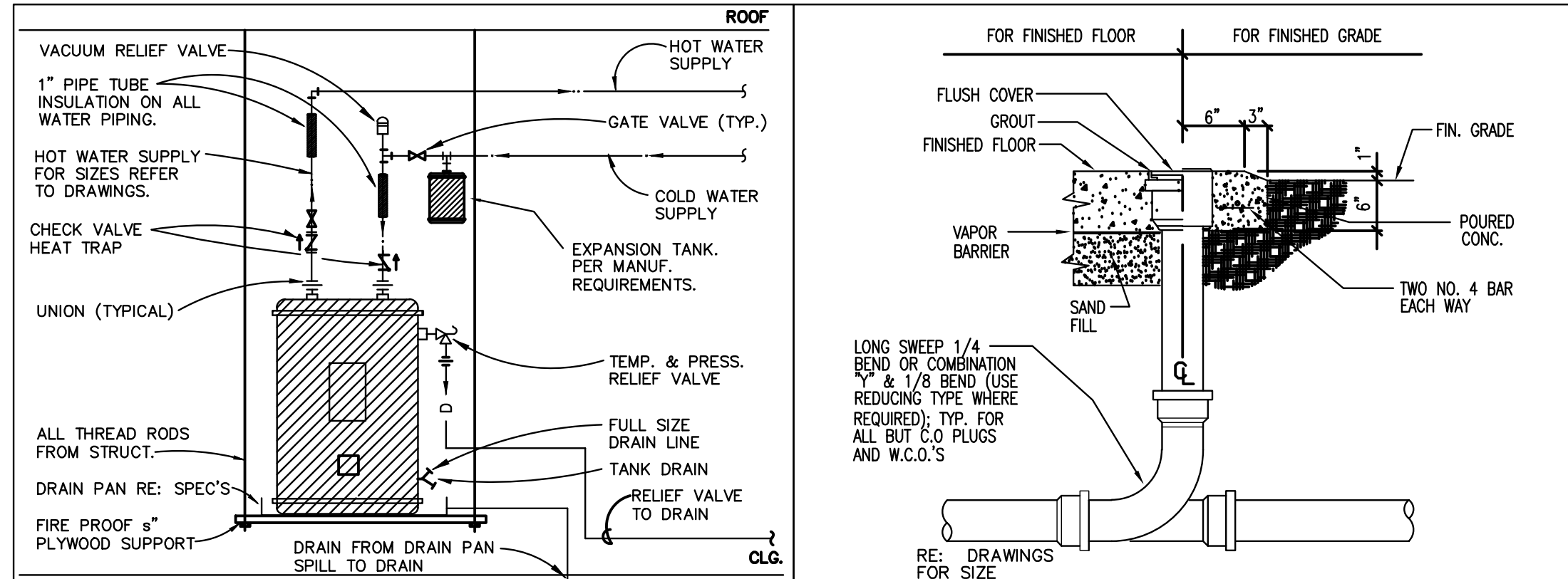
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**PIPING MATERIALS**  
 1. SANITARY WASTE AND VENT PIPING: CAST IRON  
 2. DOMESTIC WATER: TYPE "L" COPPER

NOTE: VERIFY THESE MATERIALS MATCH EXISTING

PLUMBING PIPING LEGEND	
SYMBOLS	DESCRIPTION
—	SANITARY SEWER
—	SANITARY VENT
—	EXISTING PIPING
OW	GREASE WASTE (G.W.)
—	DOMESTIC COLD WATER (C.W.)
—	DOMESTIC HOT WATER SUPPLY (H.S.)
—	RECYCULATED HOT WATER (R.H.W.)
F	FILTERED WATER LINE
NG	NATURAL GAS (G.)
F	FIRE LINE (F.)
FS	FIRE SPRINKLER LINE (F.S.)
SD	STORM DRAIN (S.D.)
OD	OVERFLOW DRAIN (O.D.)
AS	FIRE SHUT-OFF VALVE W/ MONITOR SWT
SV	SHUT-OFF VALVE (S.V.)
CV	CHECK VALVE (CH.V.)
BV	BALANCING VALVE (BAL.V.)
—	EXISTING PIPING AS NOTED
(N)	CONNECT TO EXISTING, THIS AREA.
(E)	CONNECT TO EXISTING, THIS AREA.
(C.O.)	FLOOR CLEANOUT (F.C.O.)
(F.D.)	FLOOR DRAIN (F.D.)
(F.S.)	FLOOR SINK (F.S.)
(W.C.O.)	W.C.O.
(B.F.P.)	BACK FLOW PREVENTER
(T.P.)	TRAP PRIMER
(R.D.)	ROOF DRAIN
(O.D.)	OVERFLOW DRAIN
(F.L.)	FLOW LINE
(F.F.)	FINISHED FLOOR
(B.O.P.)	BOTTOM OF PIPE
(B.O.B.)	BOTTOM OF BEAM
(D.W.G.)	DRAWING
(CONT.)	CONTINUATION
(N)	NEW ITEMS
(E)	EXISTING ITEMS
(R)	RELOCATED ITEMS
(D)	ITEMS TO BE REMOVED
(F.H.C.)	FIRE HOSE CABINET
(F.H.V.)	FIRE HOSE VALVE
(A.F.F.)	ABOVE FINISHED FLOOR
(N.I.C.)	NOT IN CONTRACT
(R.I.C.)	ROUGH-IN AND CONNECT

NOTE: NOT ALL SYMBOLS ARE USED IN THIS PROJECT.



PLUMBING FIXTURE SCHEDULE										
MARK	FIXTURE	PIPE SIZES (in.)				MANUFACTURER	MODEL	MODEL #	DESCRIPTION	
		CW	HW	VENT	W				ACCESSORIES	
EWH-1	WATER HEATER	3/4	3/4	--	--	A.O. SMITH	DEL	DEL 10	3.0 KW, 208 V, 1 PH, TO GALLON WATER HEATER.	
FD-1	FLOOR DRAIN	--	--	2	3	ZURN	--	ZN-415	FLOOR DRAIN W/ TYPE 'B' STRAINER.	
IWH-1	INSTANTANEOUS WATER HEATER	3/4	3/4	--	--	CHRONOMITE	--	SR20L/208	208 VOLT, 1 PH, 4.16 KW, UNDER COUNTER INSTANTANEOUS WATER HEATER.	
L-1	LAVATORY	1/2	1/2	1 1/2	2	AMERICAN STANDARD	AQUALYN	0475.020	SELF RIMMING COUNTERTOP VITREOUS CHINA W/ #8832.00 GOOSENECK FAUCET, 4\"/>	
L-2	LAVATORY	1/2	1/2	1 1/2	2	AMERICAN STANDARD	LUCERNE	0356.015	CONCEALED ARM VITREOUS CHINA W/ #8832.00 GOOSENECK FAUCET, 4\"/>	
MS-1	MOP SINK	3/4	3/4	2	3	FIAT	2424	--	24\"/>	
SH-1	SHOWER	1/2	1/2	1 1/2	2	--	--	--	AMERICAN STANDARD CADET #1805.310 SHOWER VALVE LESS BATH TUB FILLER. SHOWER DRAIN TO BE 2\"/>	
SK-1	SINK	1/2	--	1 1/4	1 1/2	ELKAY	CELBILITY	CR-1721-L	STAINLESS STEEL SINK W/ LK-2439 FAUCET PROVIDE TRU-BRO 1 1/4\"/>	
U-1	URINAL	3/4	--	1 1/2	2	AMERICAN STANDARD	LYNBROOK	6601.012	0.5 GPF, WALL HUNG, TOP SPUD URINAL W/ SLOAN ROYAL #186-0.5 FLUSH VALVE.	
WC-1	WATER CLOSET	1/2	--	2	4	AMERICAN STANDARD	CADET	2832.128	1.28GPF ELONGATED TOILET WITH CHURCH #9500 SEAT.	
WC-2	WATER CLOSET	1/2	--	2	4	AMERICAN STANDARD	CADET	2835.128	ADA 16.5\"/>	

**1 PLUMBING ROOF PLAN**  
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**JONES ENGINEERS, L.P.**  
 Consulting Mechanical/Electrical/Plumbing Engineers  
 9820 Wilhithorn Dr. Houston, Texas 77095 (713)222-7766  
 Texas Registered Engineering Firm #F-3811

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Progress Set

Plumbing Details

Date: 6/21/13

**P3.1**