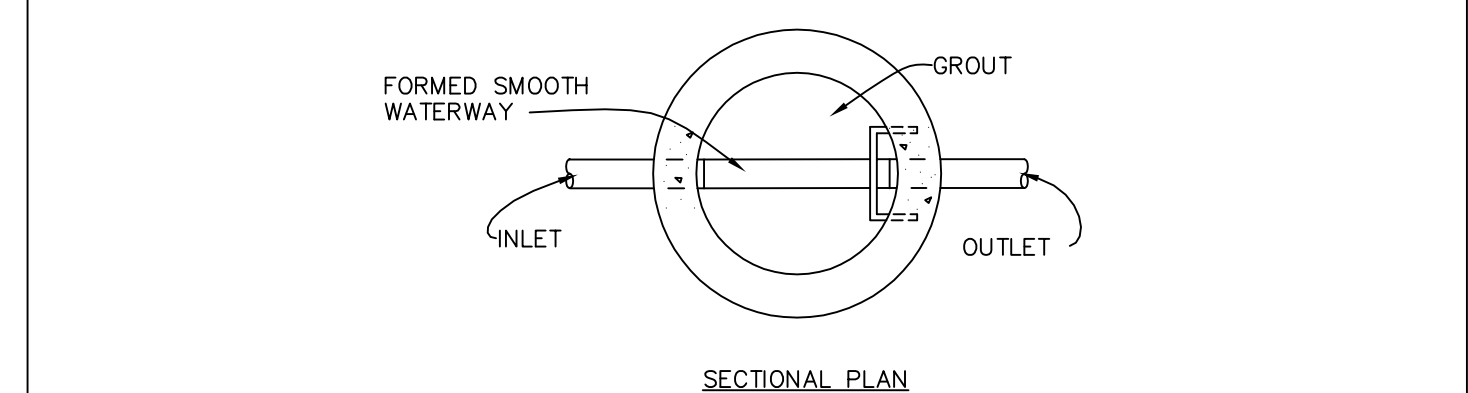
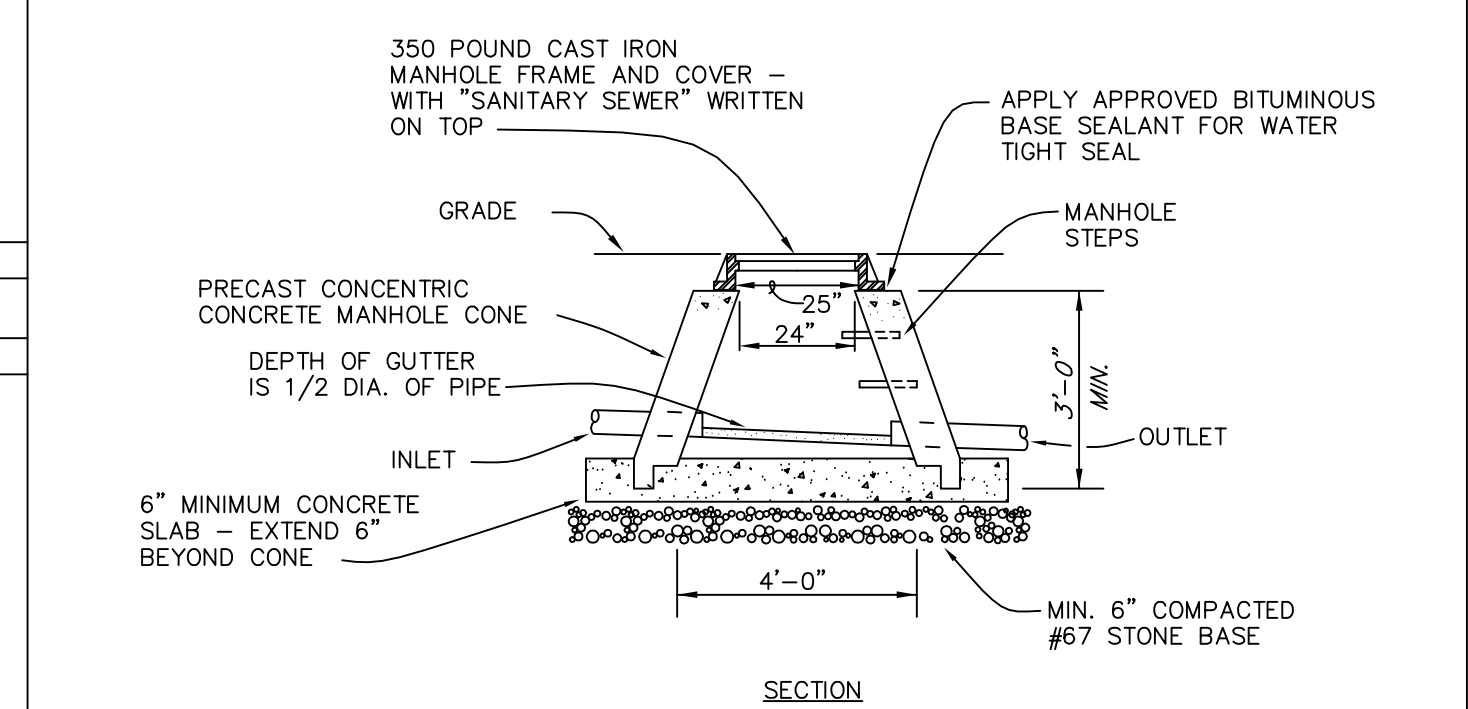
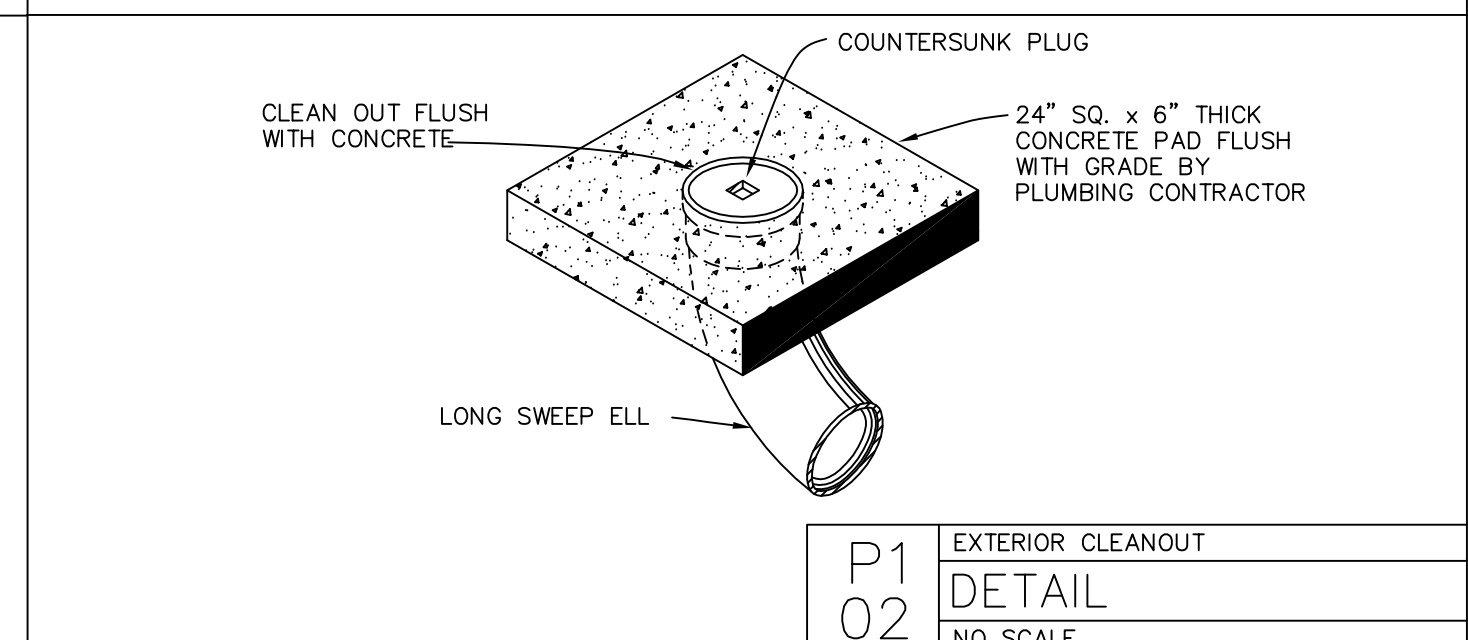


PLUMBING LEGEND				
CW	----	COLD WATER PIPING	⊙	CLEANOUT FLUSH WITH FLOOR/GRADE
HW	----	HOT WATER PIPING	⊖	CLEANOUT BELOW FLOOR
HW	----	HOT WATER RETURN PIPING	F.F.E.	FINISHED FLOOR ELEVATION
W	----	WASTE PIPING	I.E.	INVERT ELEVATION
AW	----	ACID WASTE PIPING	M.H.	MANHOLE
V	----	VENT PIPING	T.E.	TOP ELEVATION
AV	----	ACID VENT PIPING	V.T.R.	VENT THRU ROOF
G	----	GAS PIPING	⌈⌋	GATE VALVE
V	----	VACUUM PIPING	⌈⌋	GAS COCK
DW	----	DEIONIZED WATER PIPING	⌈⌋	BALL VALVE
LA	----	LAB AIR PIPING	R.C.P.	REINFORCED CONCRETE PIPE
A	----	AIR PIPING	R.D.	ROOF DRAIN
⊙	----	CONNECT NEW TO EXISTING	R.D.L.	ROOF DRAIN LEADER
A.C.	----	AIR CHAMBER	⌈⌋	WASTE STUB-UP
A.F.F.	----	ABOVE FINISHED FLOOR	⊙	WASTE STUB-UP, PLUG FOR FUTURE
A.F.G.	----	ABOVE FINISHED GRADE	C.B.	CATCH BASIN
A.F.C.	----	ABOVE FINISHED CEILING		
B.F.G.	----	BELOW FINISHED GRADE		
B.F.F.	----	BELOW FINISHED FLOOR		
U.N.O.	----	UNLESS NOTED OTHERWISE		

TOTAL CONNECTED LOAD	
FIXTURE UNITS	
WATER :	1169 (229 GPM)
WASTE :	1185
GAS : WATER HEATER -	400 MBH
LAB EQUIPMENT -	1080 MBH
BOILERS -	13824 MBH

PLUMBING FIXTURE SCHEDULE					
MARK	DESCRIPTION	WASTE	C.W.	H.W.	REMARKS
P-1	WATER CLOSET	4"	1 1/4"	-	FLUSH VALVE 38 1/4" A.F.F.
P-1 H	WATER CLOSET	4"	1 1/4"	-	FLUSH VALVE 26 1/2" A.F.F.
P-2	URINAL	2"	3/4"	-	MOUNT RIM 24" A.F.F.
P-2H	URINAL	2"	3/4"	-	MOUNT RIM 17" A.F.F.
P-3	LAVATORY	1 1/2"	1/2"	1/2"	MOUNT RIM 31" A.F.F.
P-3H	LAVATORY	1 1/2"	1/2"	1/2"	MOUNT BOTTOM OF APRON 30" A.F.F.
P-4	COUNTERTOP LAVATORY	1 1/2"	1/2"	1/2"	
P-5	COUNTERTOP SINK	1 1/2"	1/2"	1/2"	
P-6	MOP RECEPTOR	3"	3/4"	3/4"	MOUNT FAUCETS 36" A.F.F.
P-7	FLOOR DRAIN	3"	-	-	
P-8	FLOOR DRAIN	3"	-	-	
P-9	FLOOR SINK	4"	-	-	
P-10	HOSE BIBB	-	0"	-	MOUNT 18" A.F.F.
P-11	HOSE BIBB	-	1/2"	-	MOUNT 18" A.F.F.
P-12	ANTI-FREEZE HYDRANT	-	3/4"	-	MOUNT 24" A.F.G.
P-13	ELECTRIC WATER COOLER	1 1/4"	1/2"	-	MOUNT RIM 34" A.F.F.
P-14	SHOWER & DRAIN	3"	0"	0"	MOUNT SHOWER HEAD 72" A.F.F.
P-15	SERVICE SINK	3"	3/4"	3/4"	

NOTES	
1. ROOF DRAIN LEADERS ARE FIGURED ON 1/8" SLOPE IN 12".	
1. FLUSH VALVE OPERATING HANDLE FOR FIXTURE P-1H SHALL BE OPERABLE FROM WIDE SIDE OF SHALL.	



PLUMBING LEGEND

C

GAS PIPING

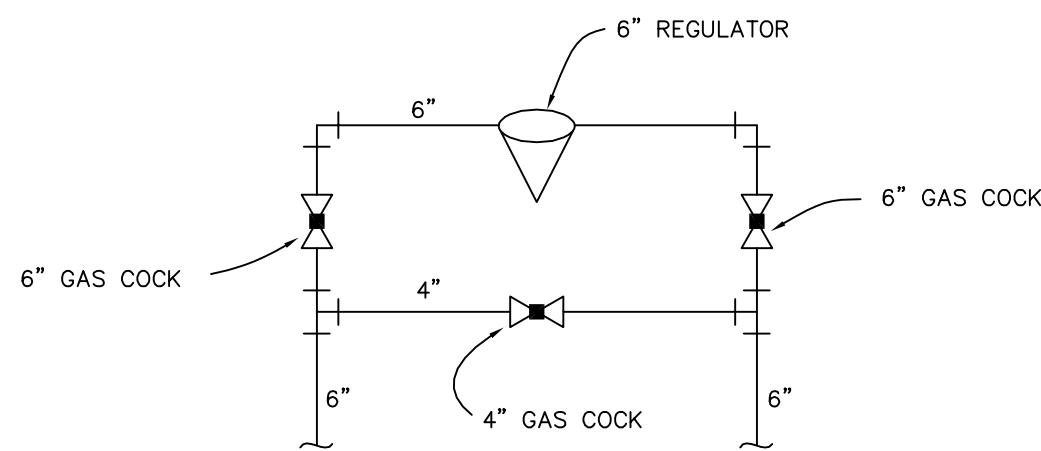
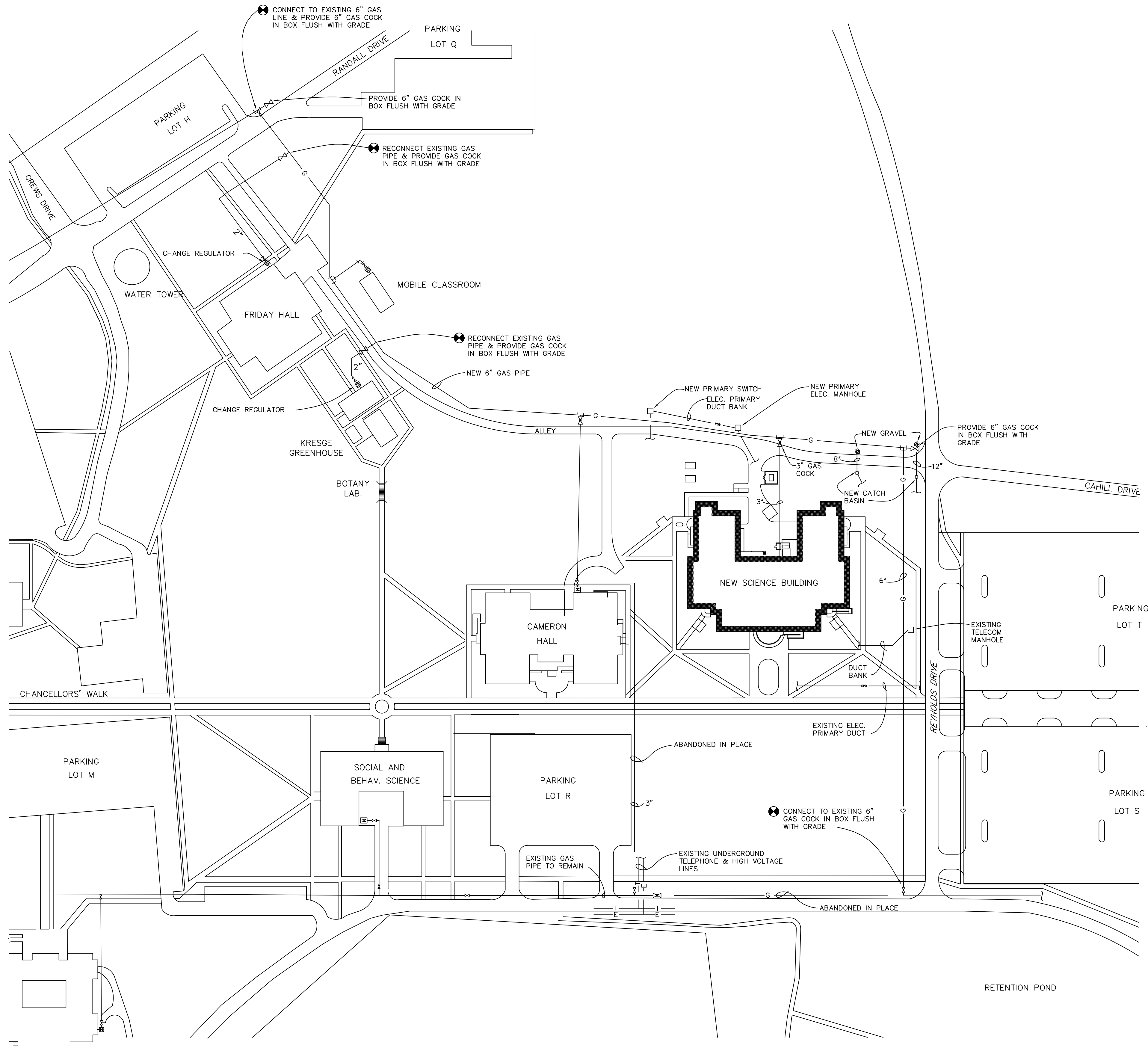
CONNECT NEW TO EXISTING

JEFFERIES AND FARIS
ASSOCIATES

ARCHITECTS • PLANNERS

SEA TOWERS, SUITE 201
2002 EASTWOOD ROAD
WILMINGTON, N.C. 28403

TEL: 910.256.6633
FAX: 910.256.9088



RECORD DRAWING
JANUARY 1998

P1A
02
MODIFICATIONS AT GAS SERVICE ENTRANCE
DETAIL
NO SCALE

P1A
01
GAS PIPE REVISIONS
PARTIAL CAMPUS PLAN
SCALE: 1" = 100'

BUFFALO, MORGAN & ASSOC., INC.

CONSULTING ENGINEERS

1115 LAKE WHEELER ROAD
RALEIGH, N.C. 27603
(919) 833-1927

THIS DOCUMENT
ORIGINALLY ISSUED
AND SEALED BY:
RAY E. MORGAN
349 RAY, ON (1-11-90), AND
REVISED ON (1-13-98).
THIS MEDIA SHALL
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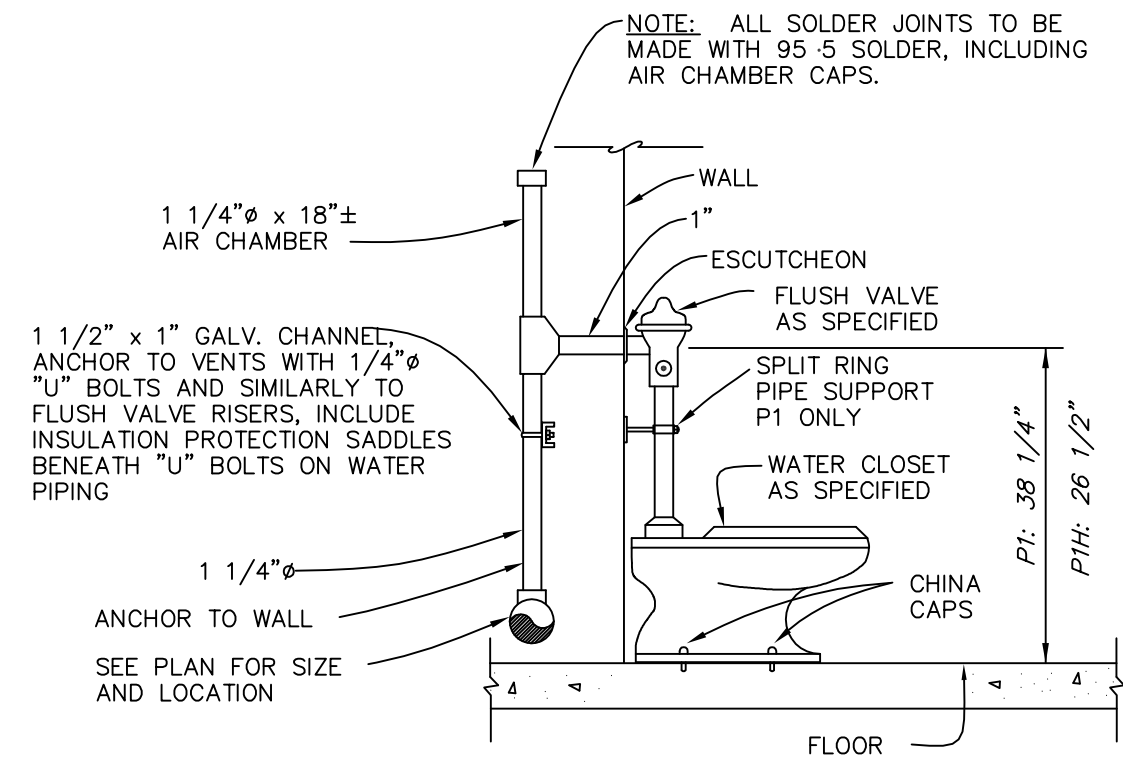
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PROJECT#: 9305

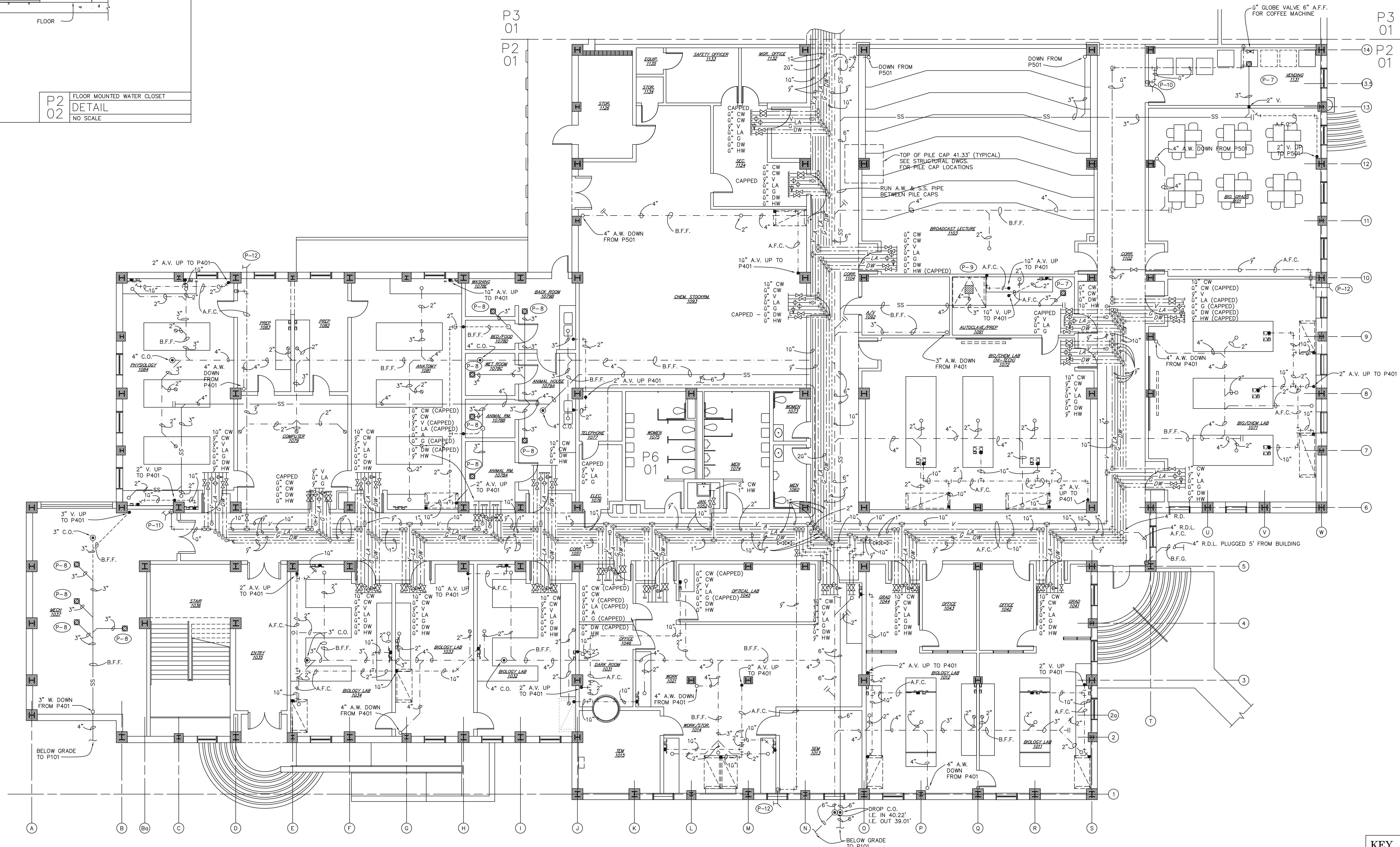
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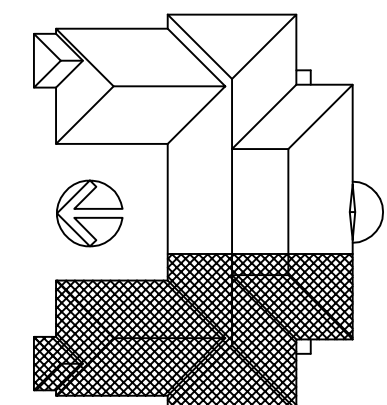
P1A
Of 8



P2
02 FLOOR MOUNTED WATER CLOSET
DETAIL
NO SCALE

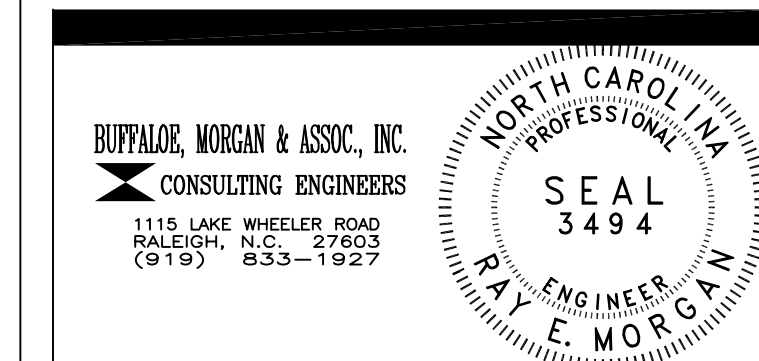


KEY PLAN



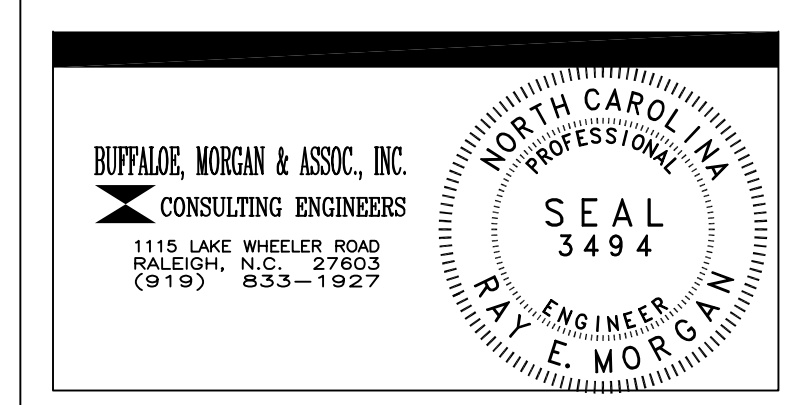
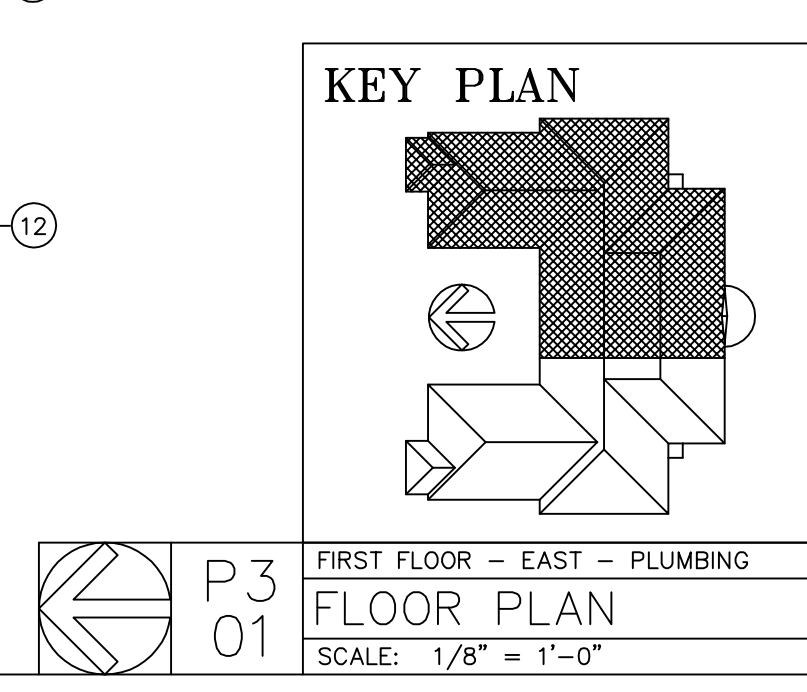
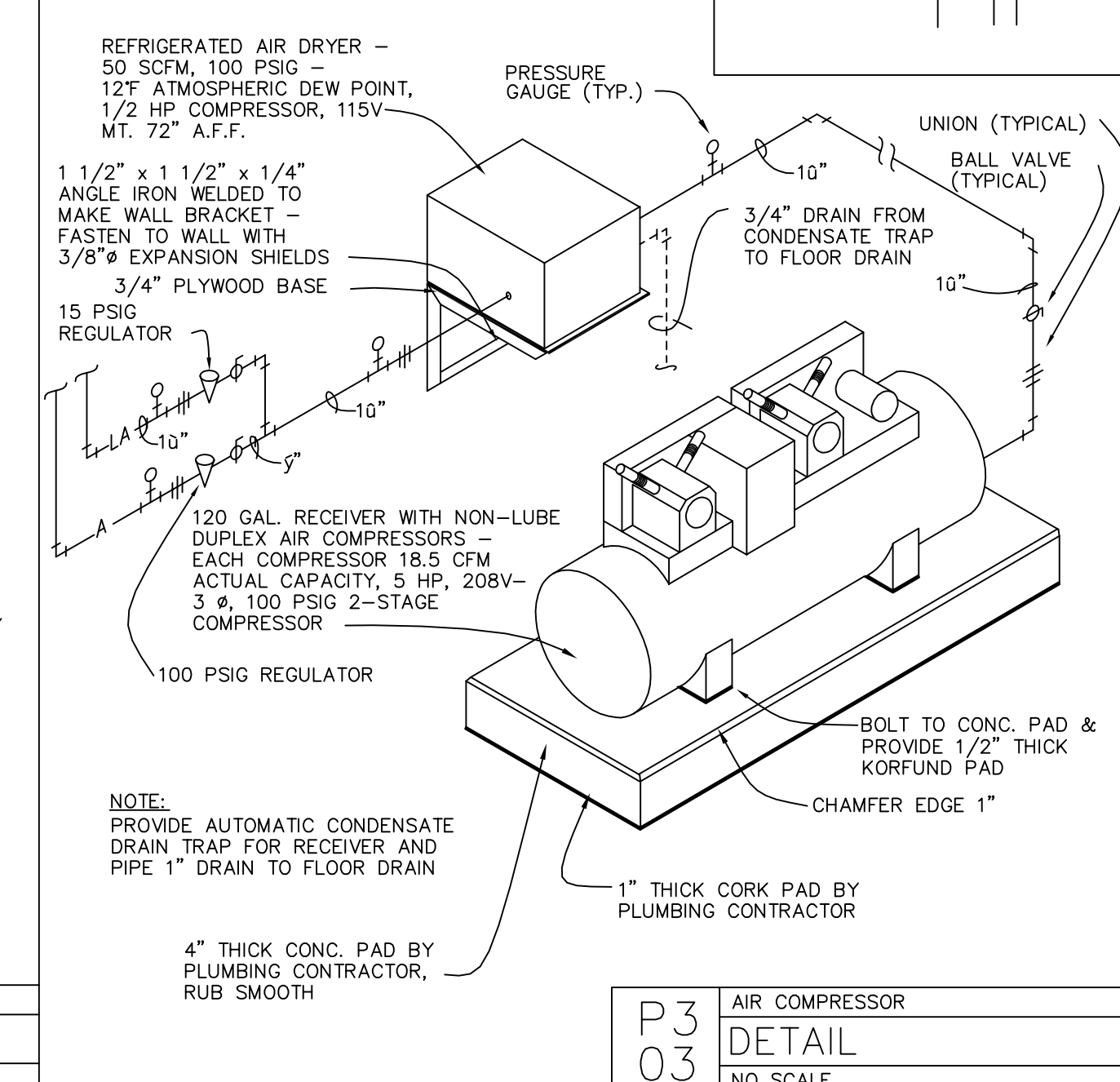
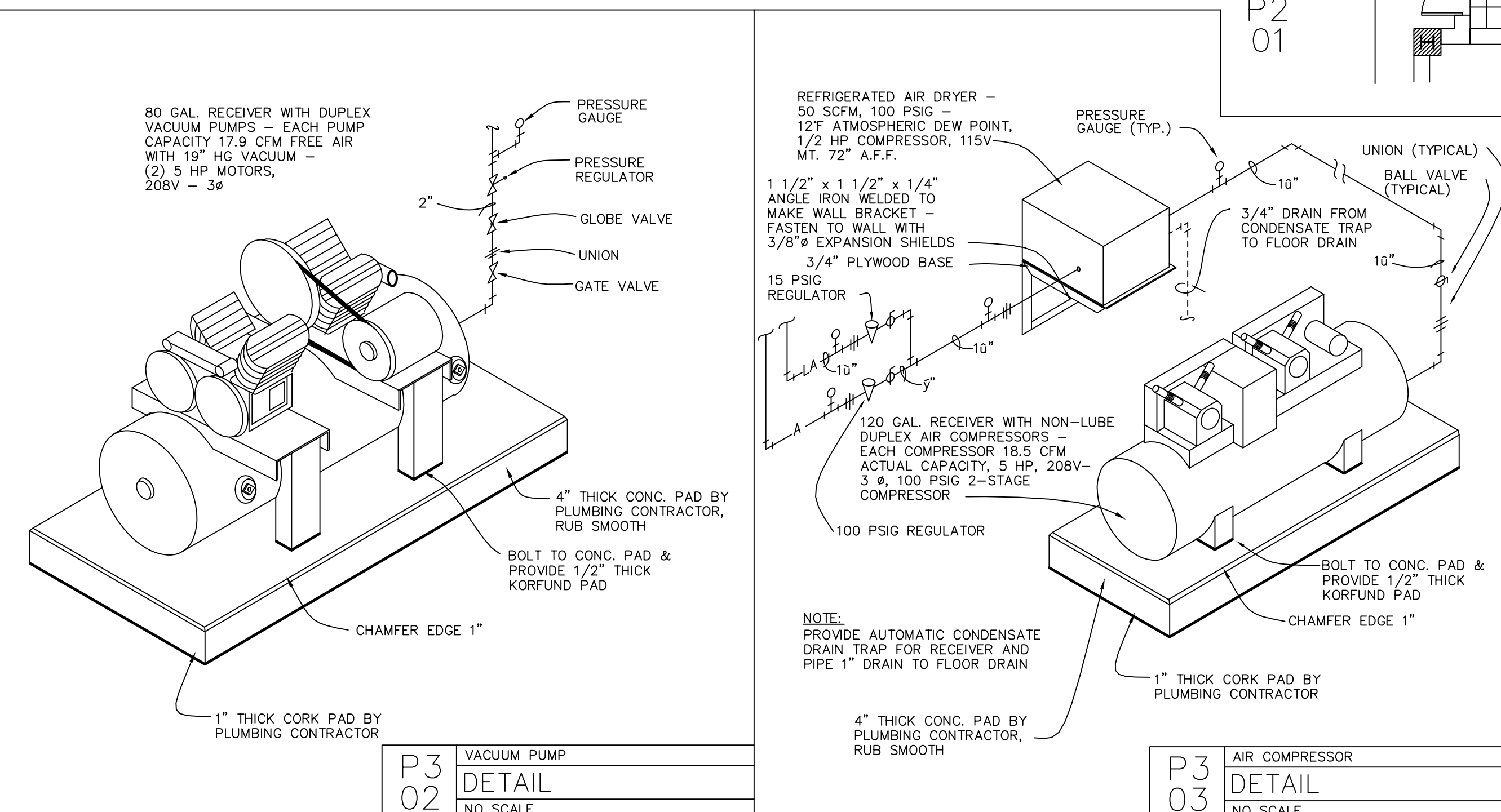
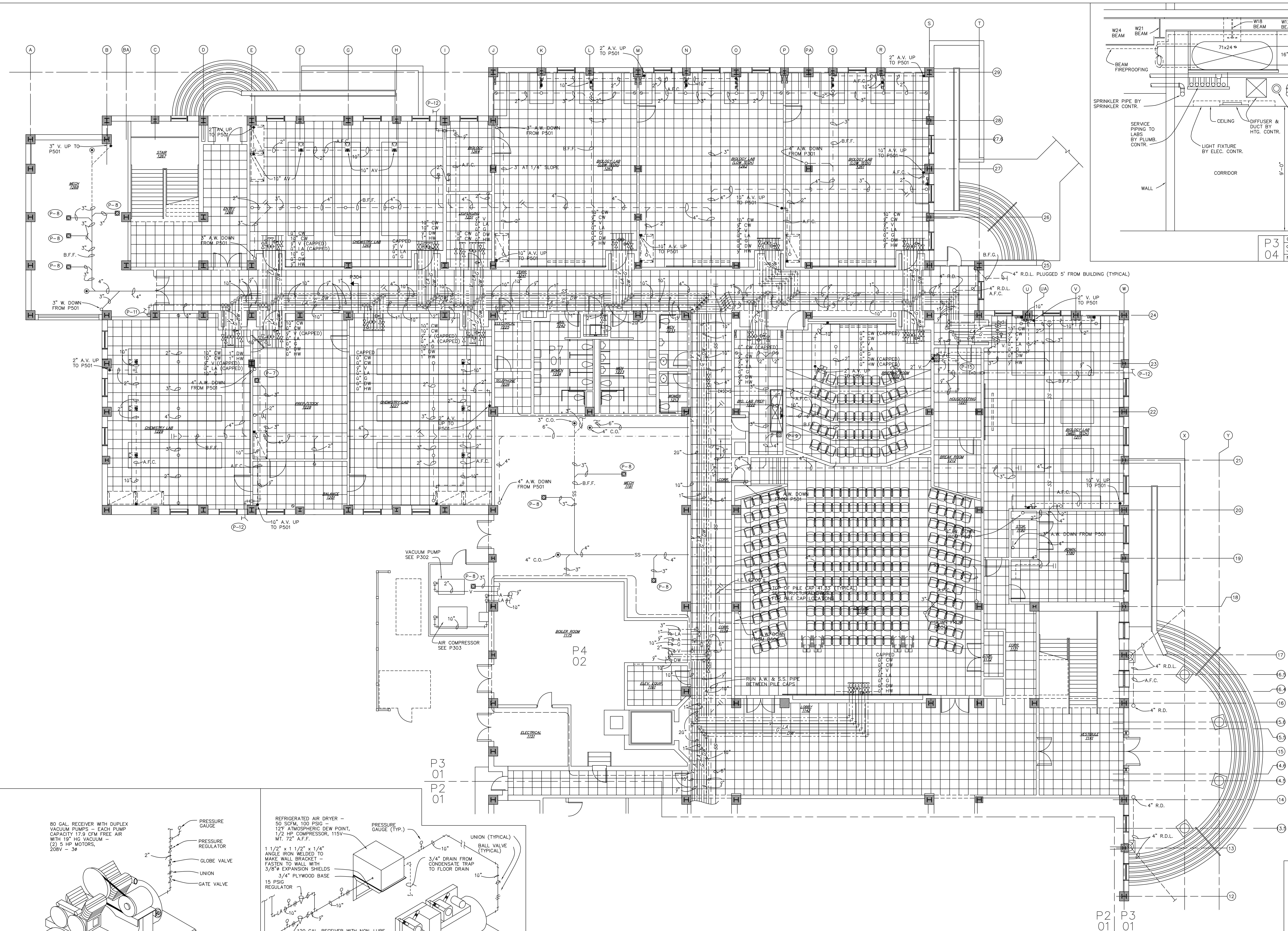
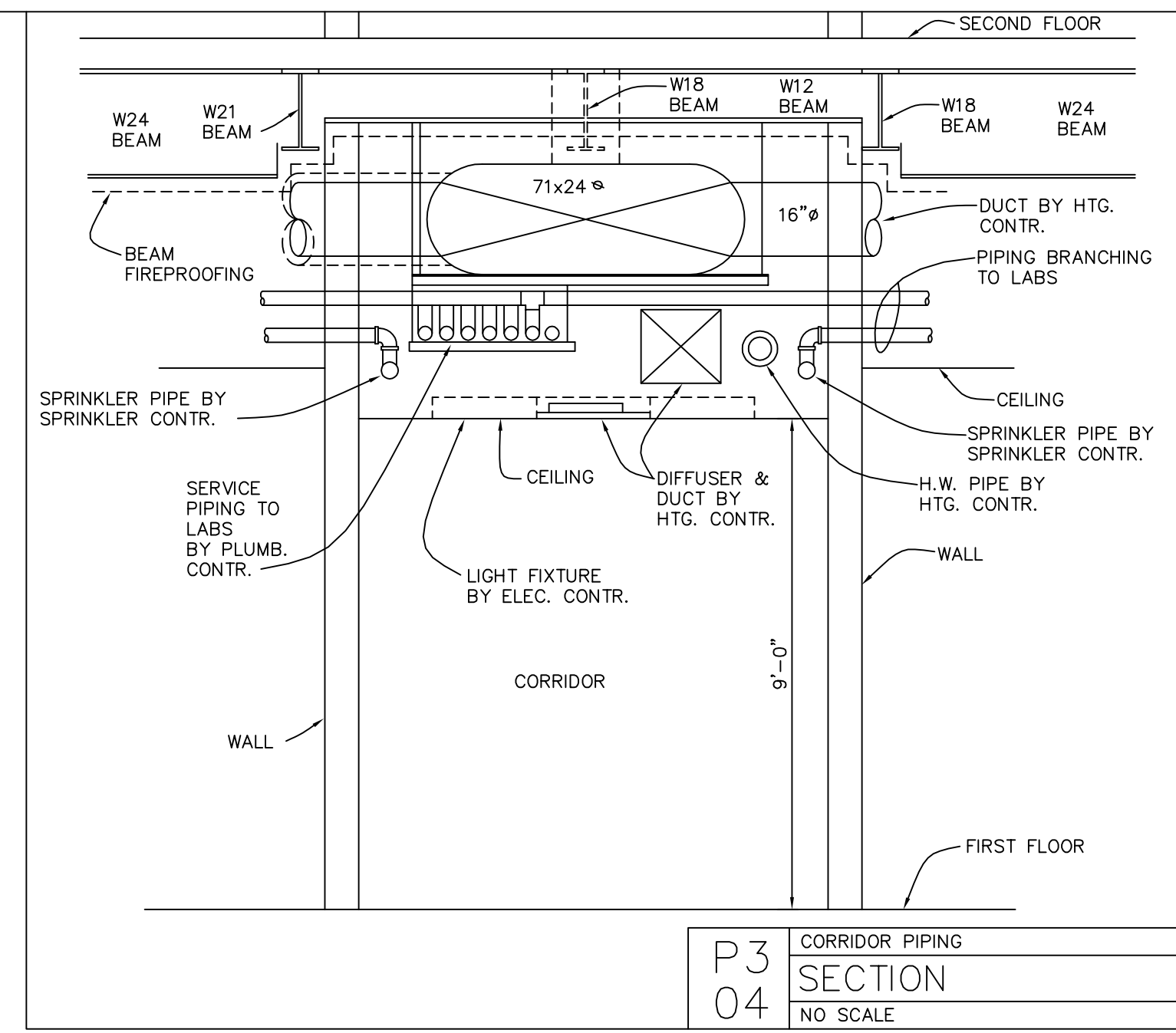
P2
01

FIRST FLOOR - WEST - PLUMBING
FLOOR PLAN
SCALE: 1/8" = 1'-0"



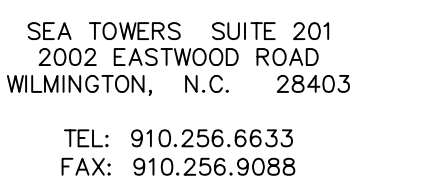
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NO.	DATE:	REMARKS:

DATE: 16 MAY 1994
PROJECT#: 9305
DESIGNED BY: CRR
DRAWN BY: RDH II
CHECKED BY: WMP
CHECKED BY: REM

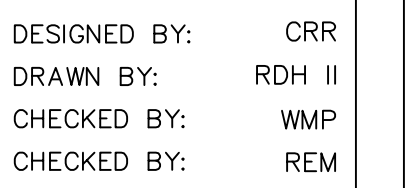
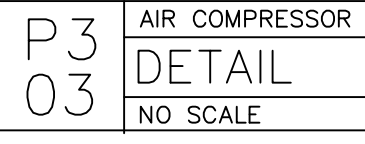
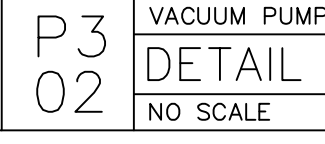
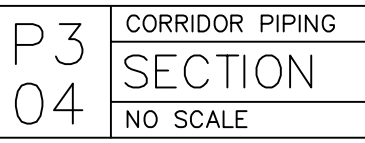


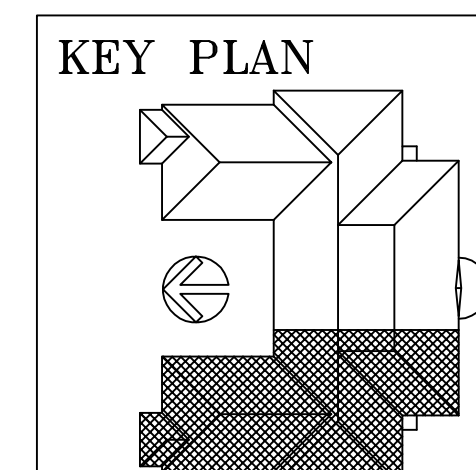
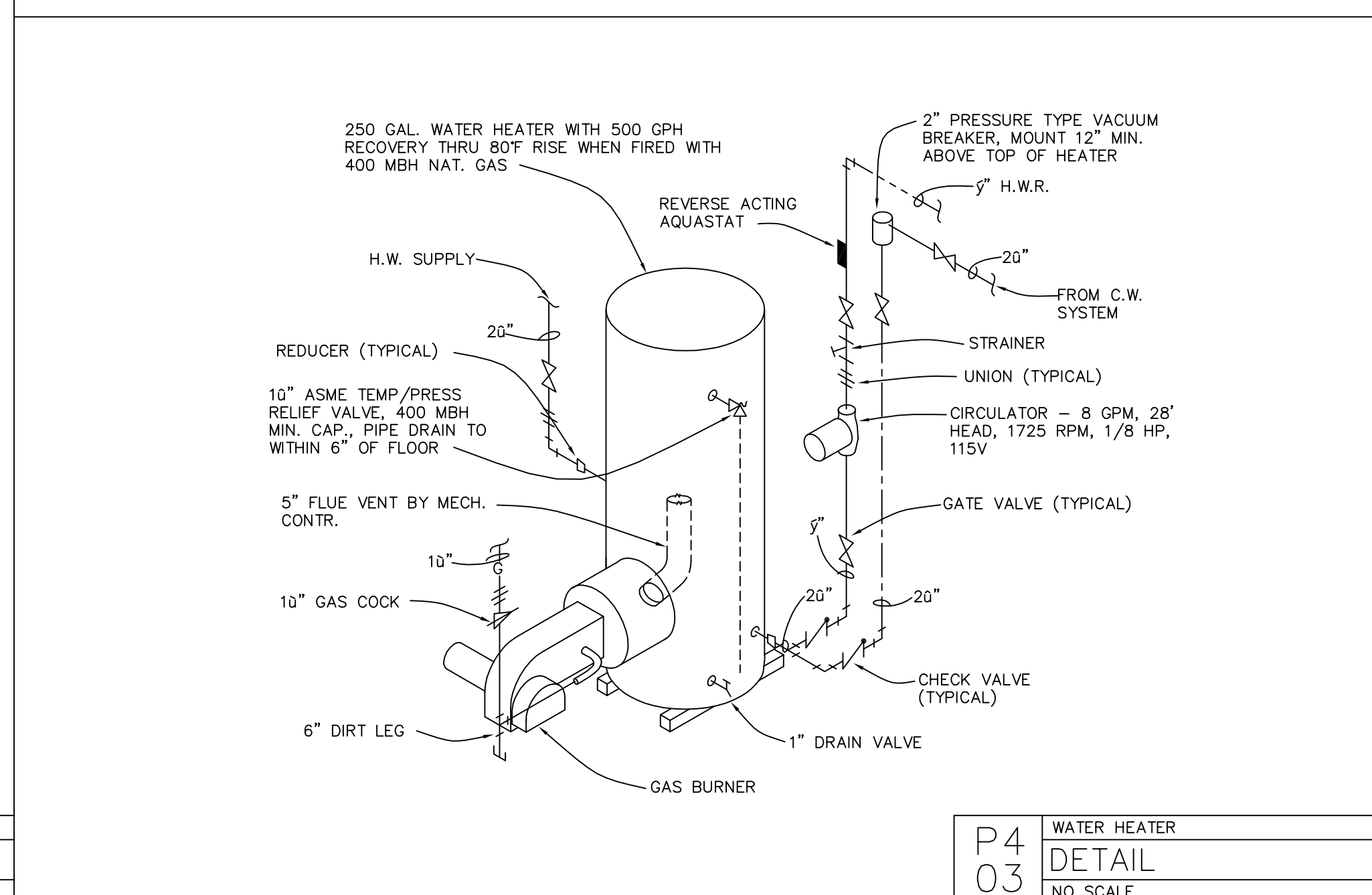
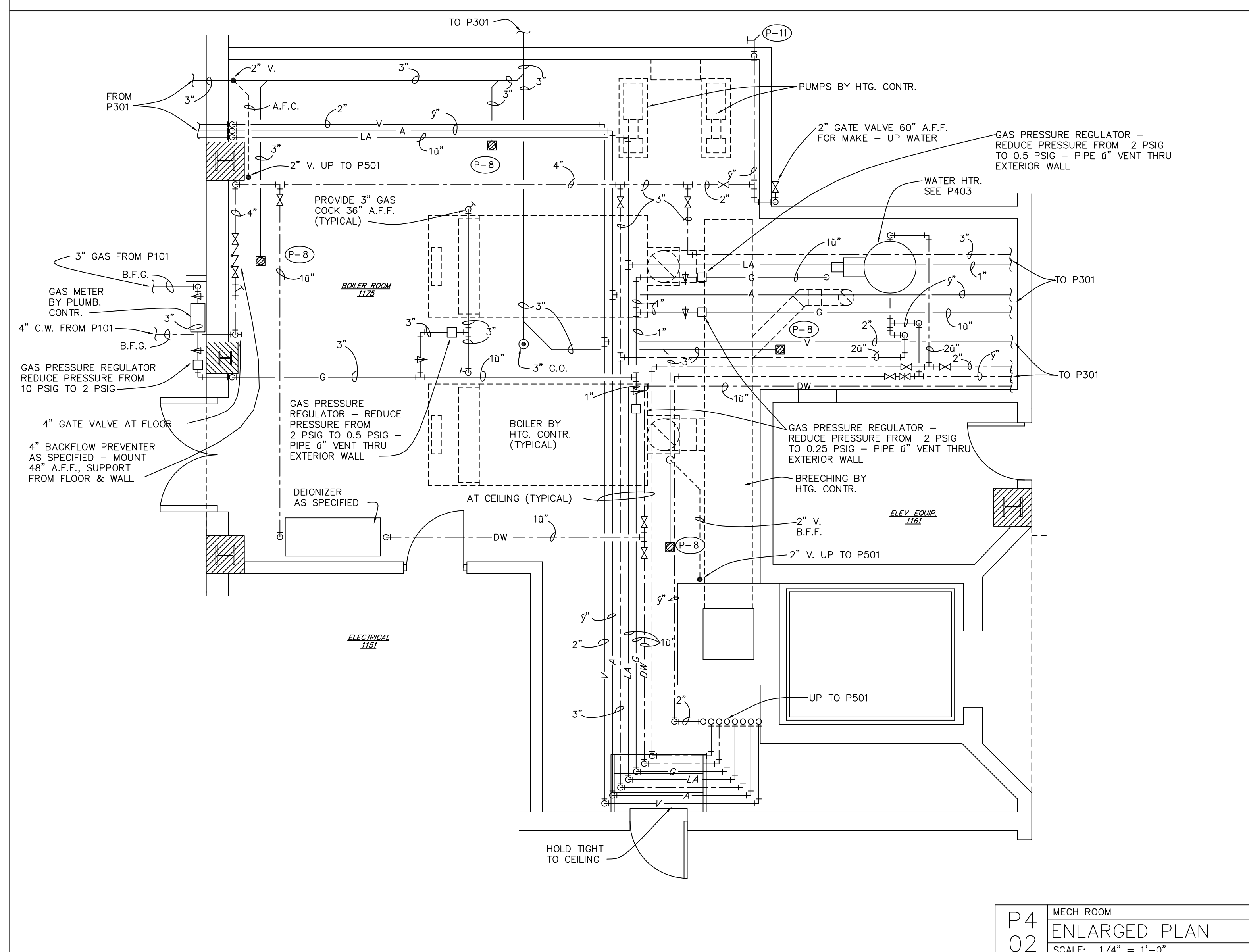
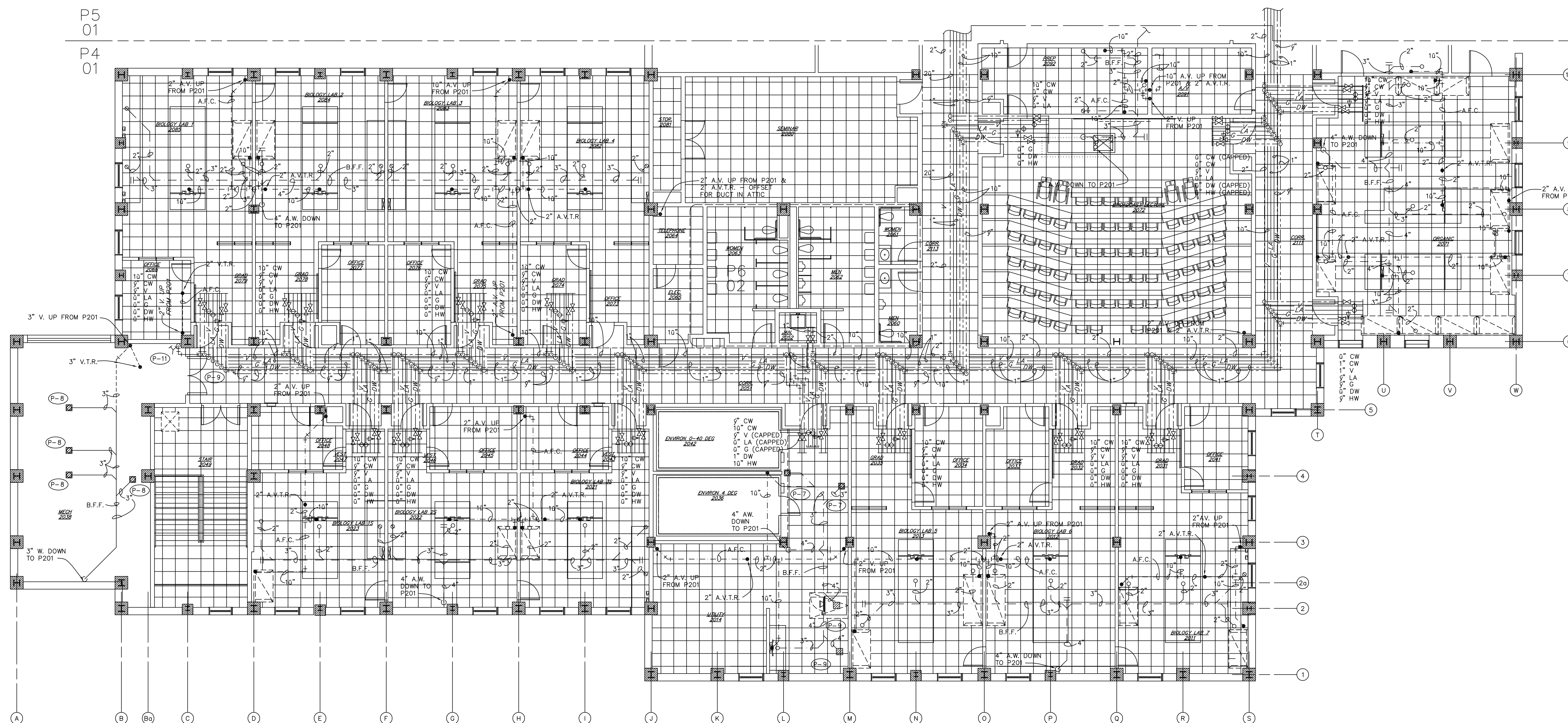
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P3





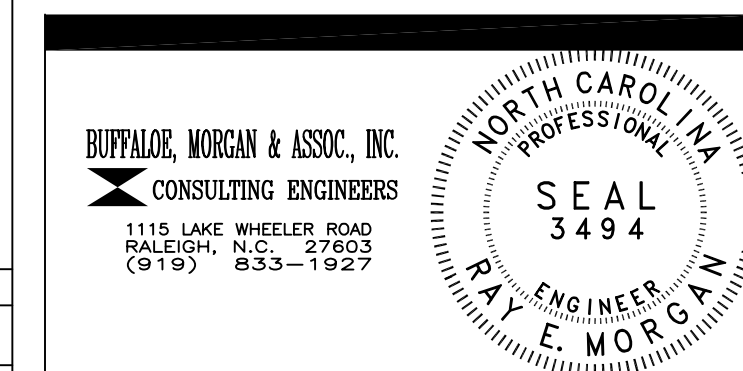
SECOND FLOOR - WEST - PLUMB

FLOOR PLAN

SCALE: 1/8" = 1'-0"

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NO.	DATE:	REMARKS:

DATE: 16 MAY 1994
PROJECT#: 9305
DESIGNED BY: CR
DRAWN BY: RDH
CHECKED BY: WMF





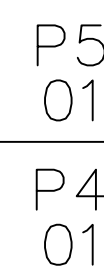
SCIENCE BUILDING
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
CODE 49388 ITEM 301 ID#6089280301A

SECOND FLOOR WEST – PLUMBING DETAILS

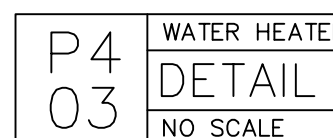
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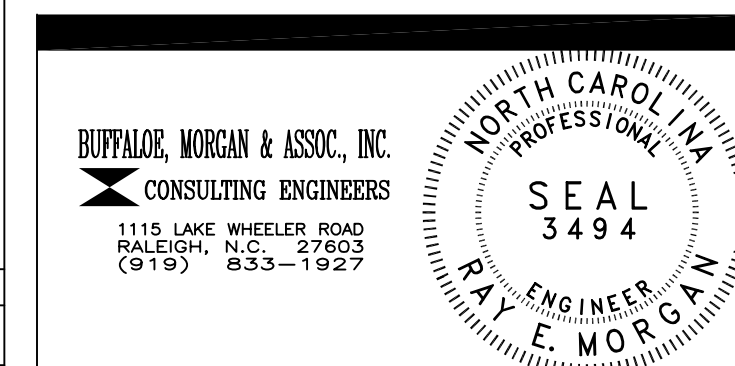
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P4	01

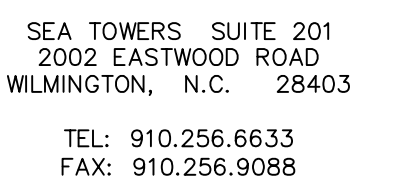


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NO.	DATE:	REMARKS:

DATE: 16 MAY 1994
PROJECT#: 9305

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DRAWN BY: RDH II
CHECKED BY: WMP
CHECKED BY: REM





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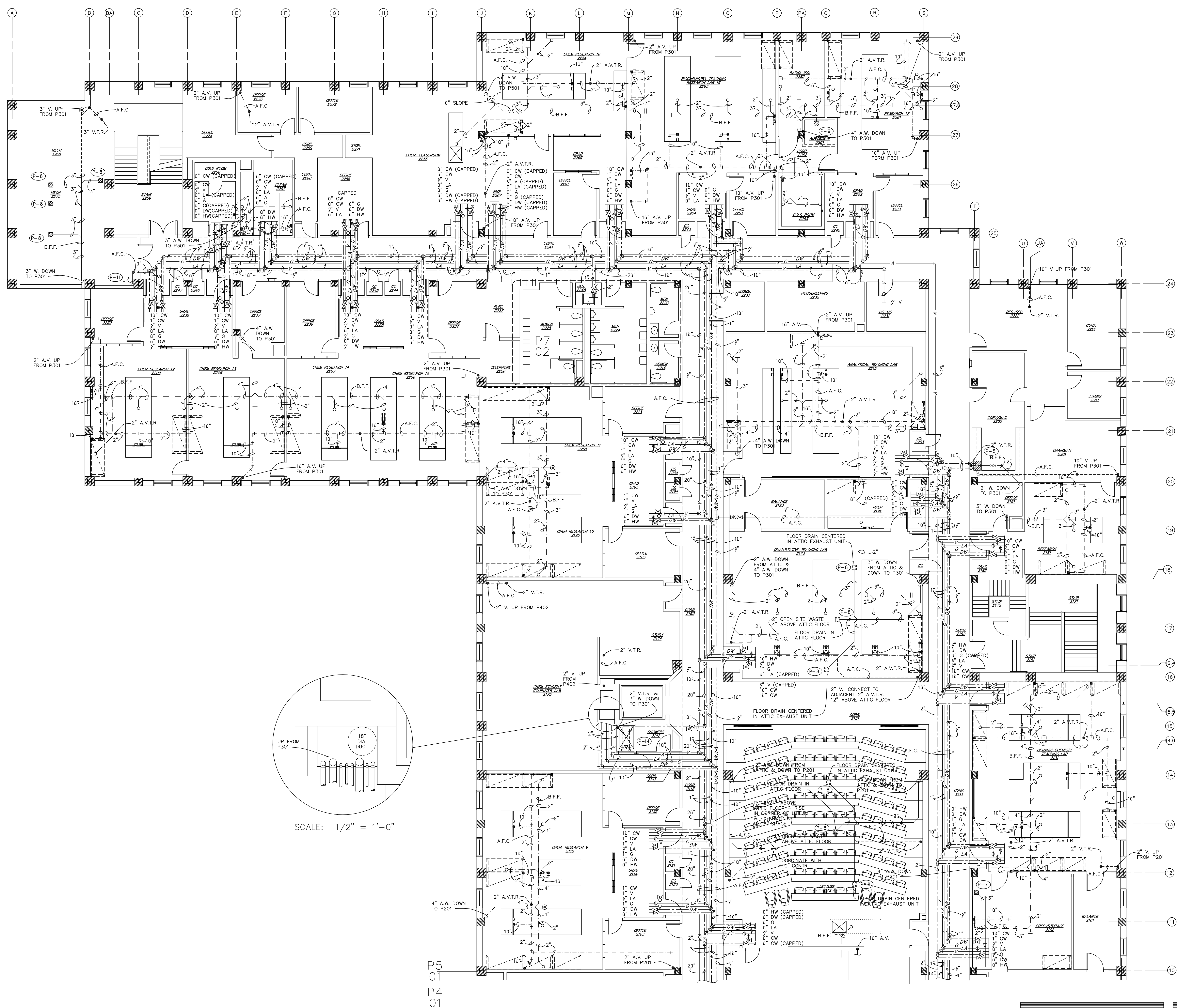
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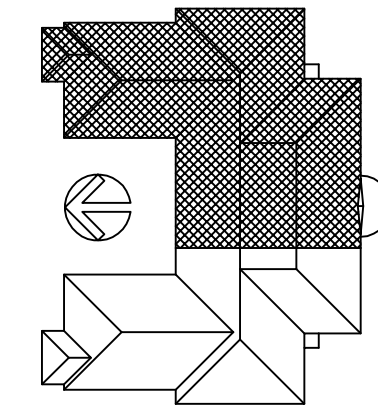


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DRAWN BY:	RDH II
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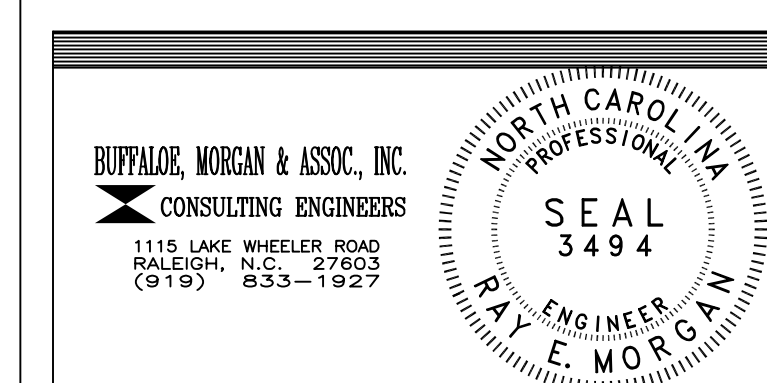




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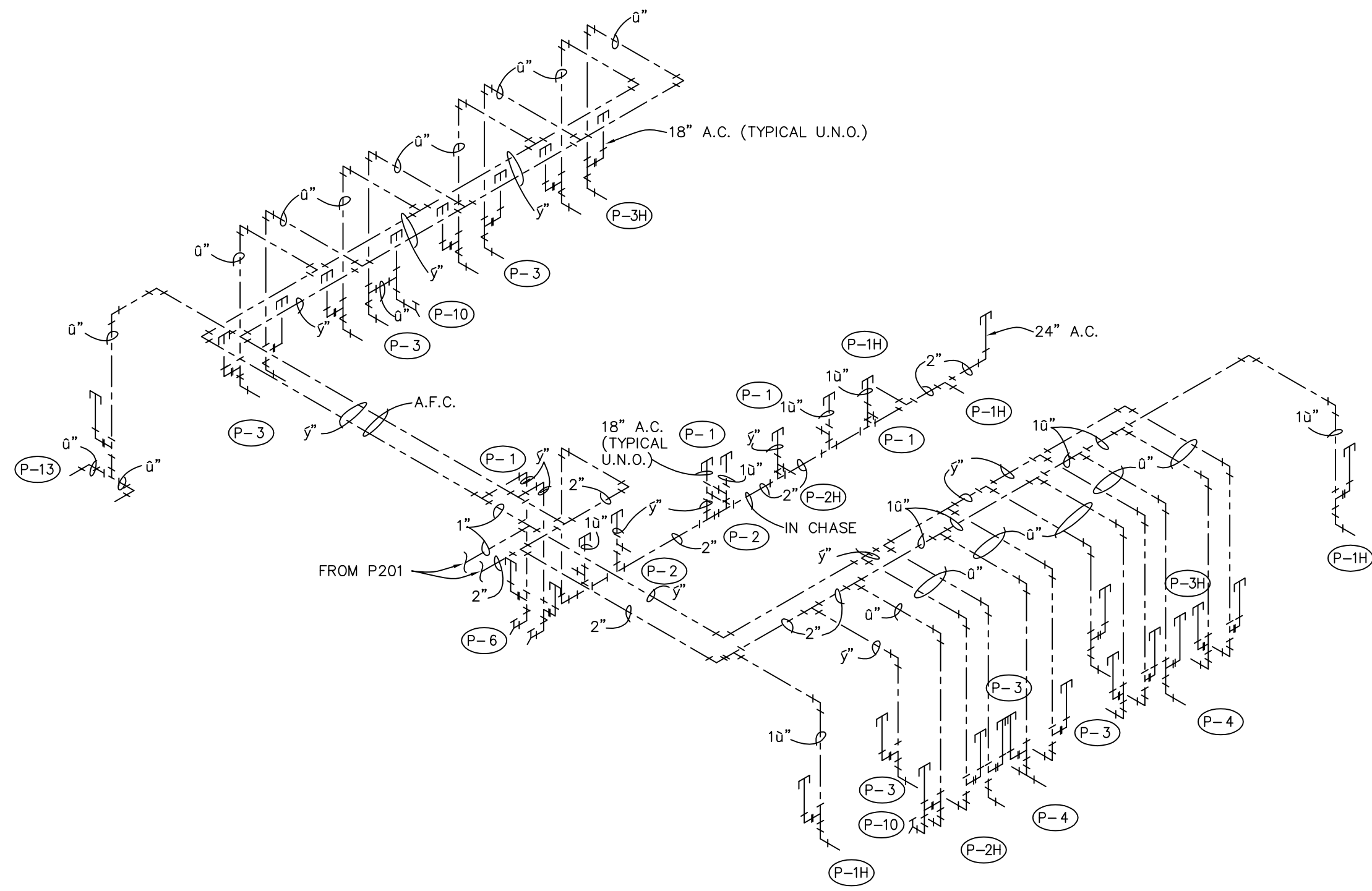


P5
01
SECOND FLOOR - EAST - PLUMBING
FLOOR PLAN
SCALE: 1/8" = 1'-0"

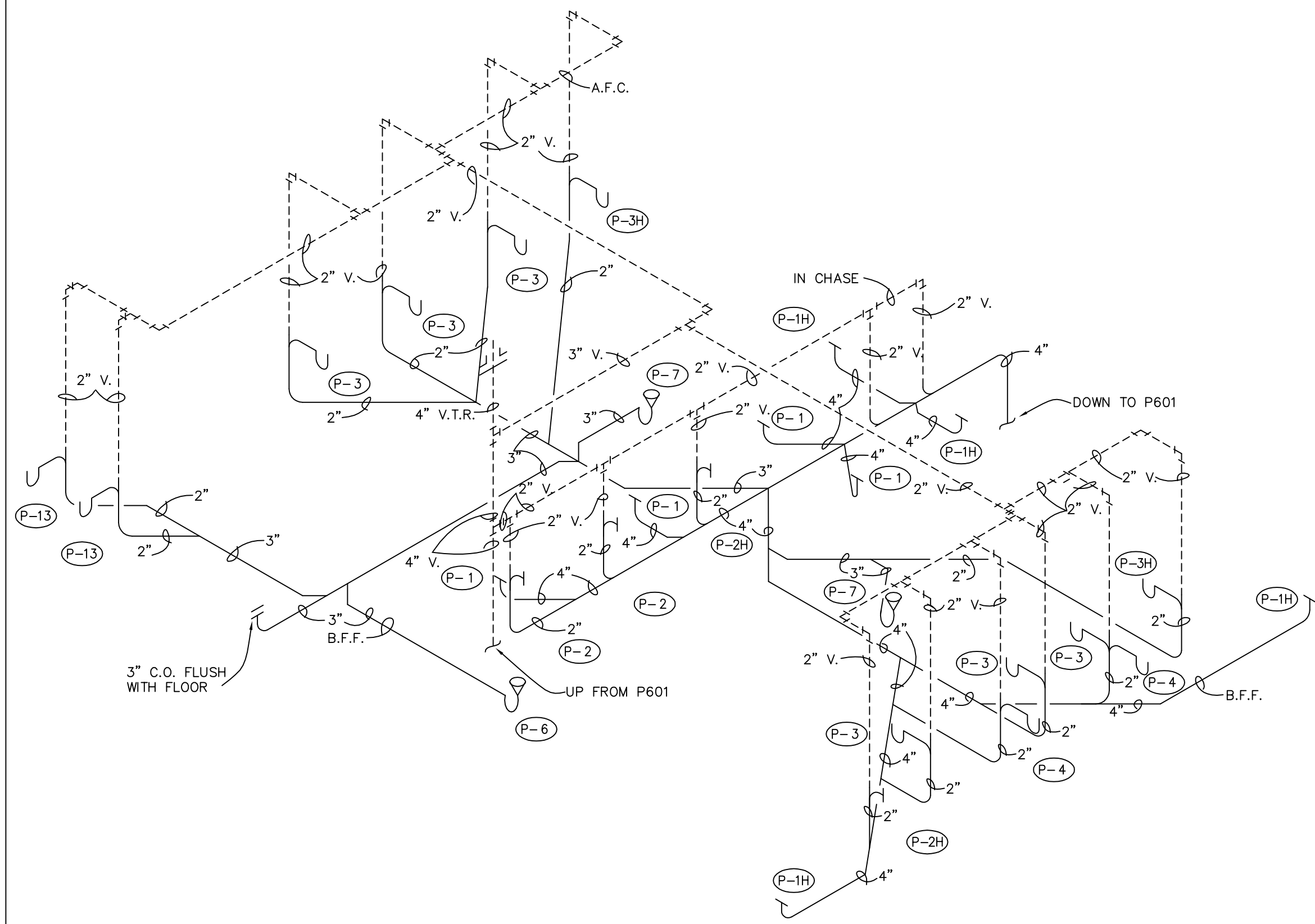


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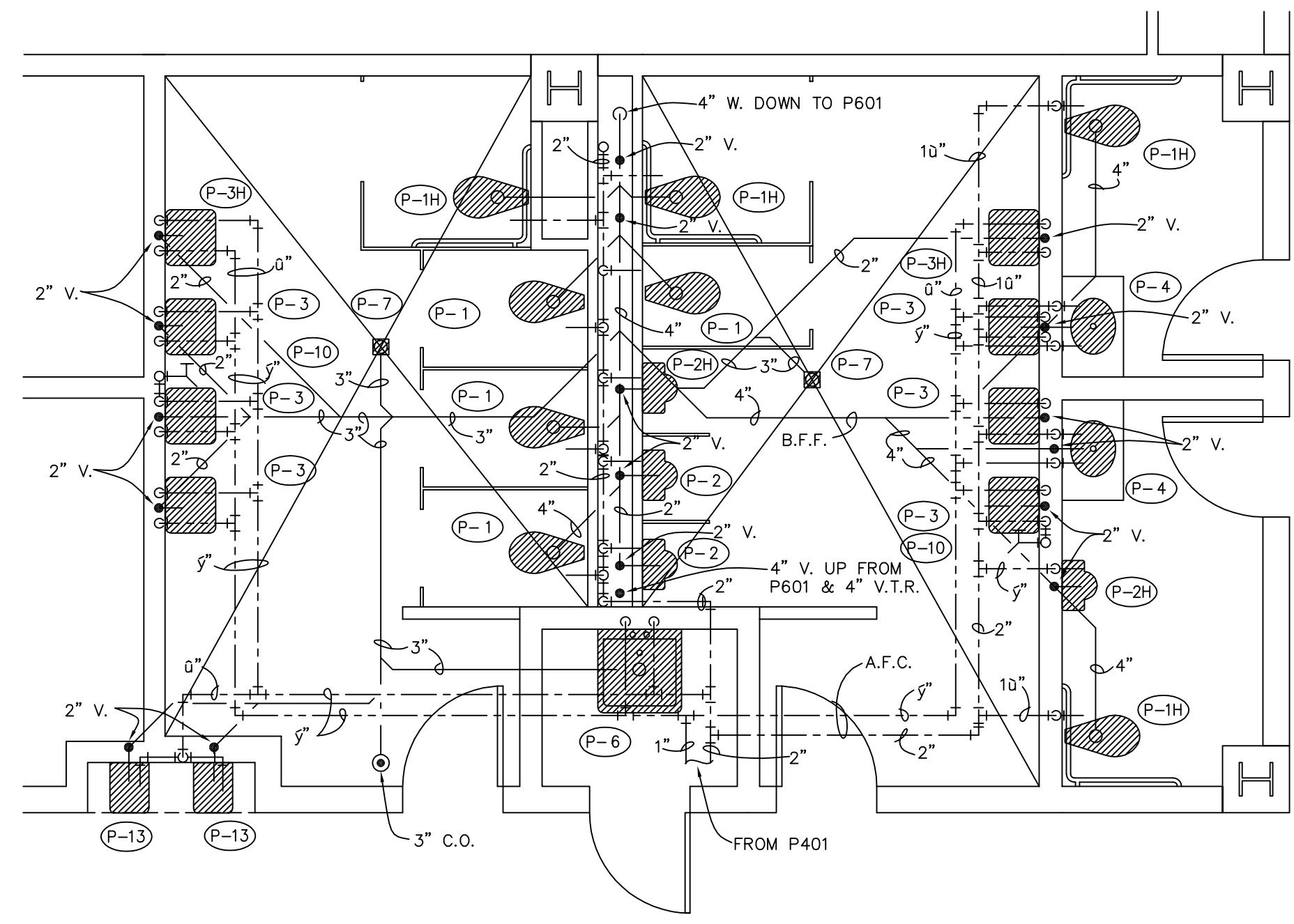
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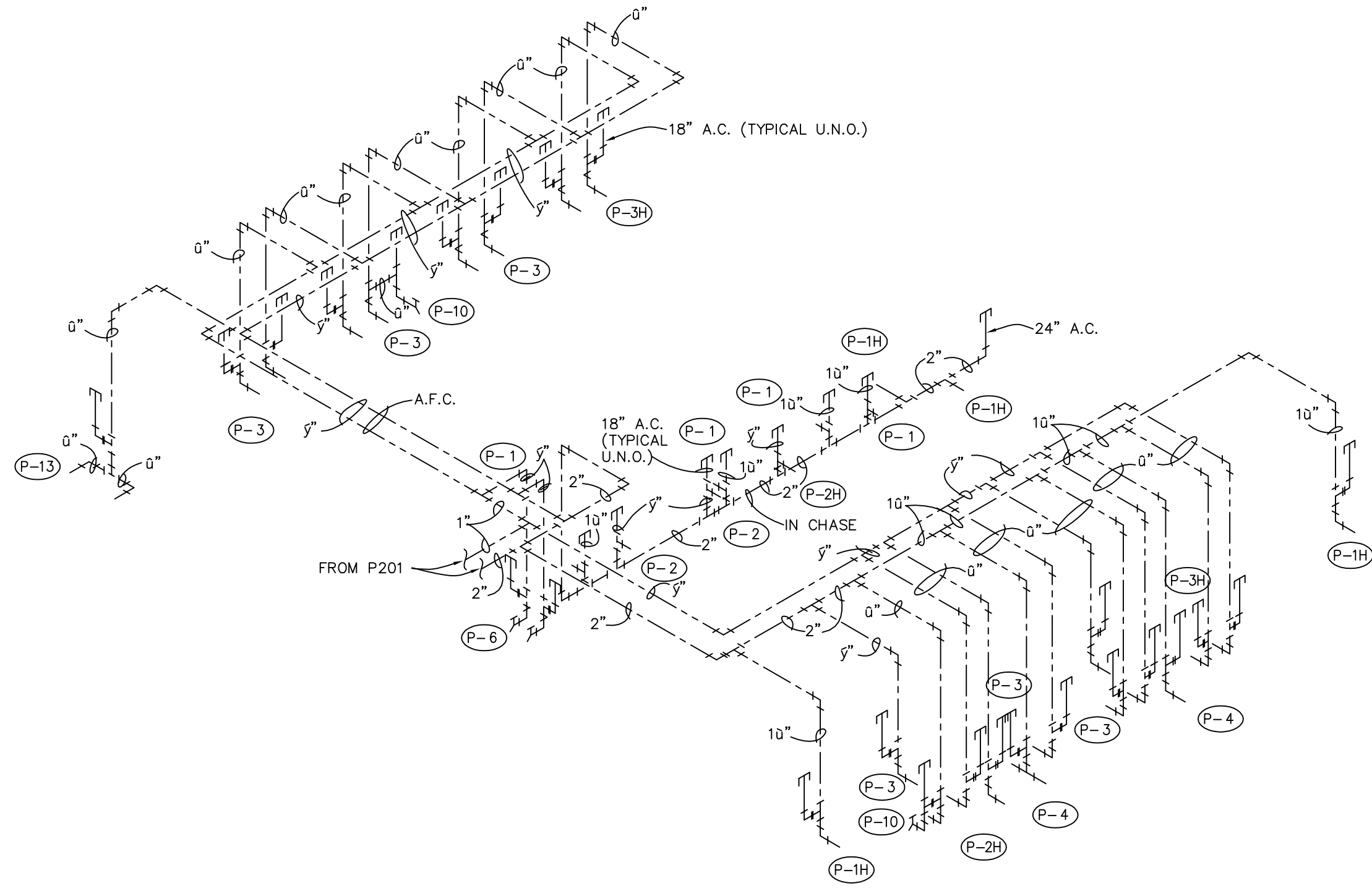
P6
02
WATER
RISER
NO SCALE



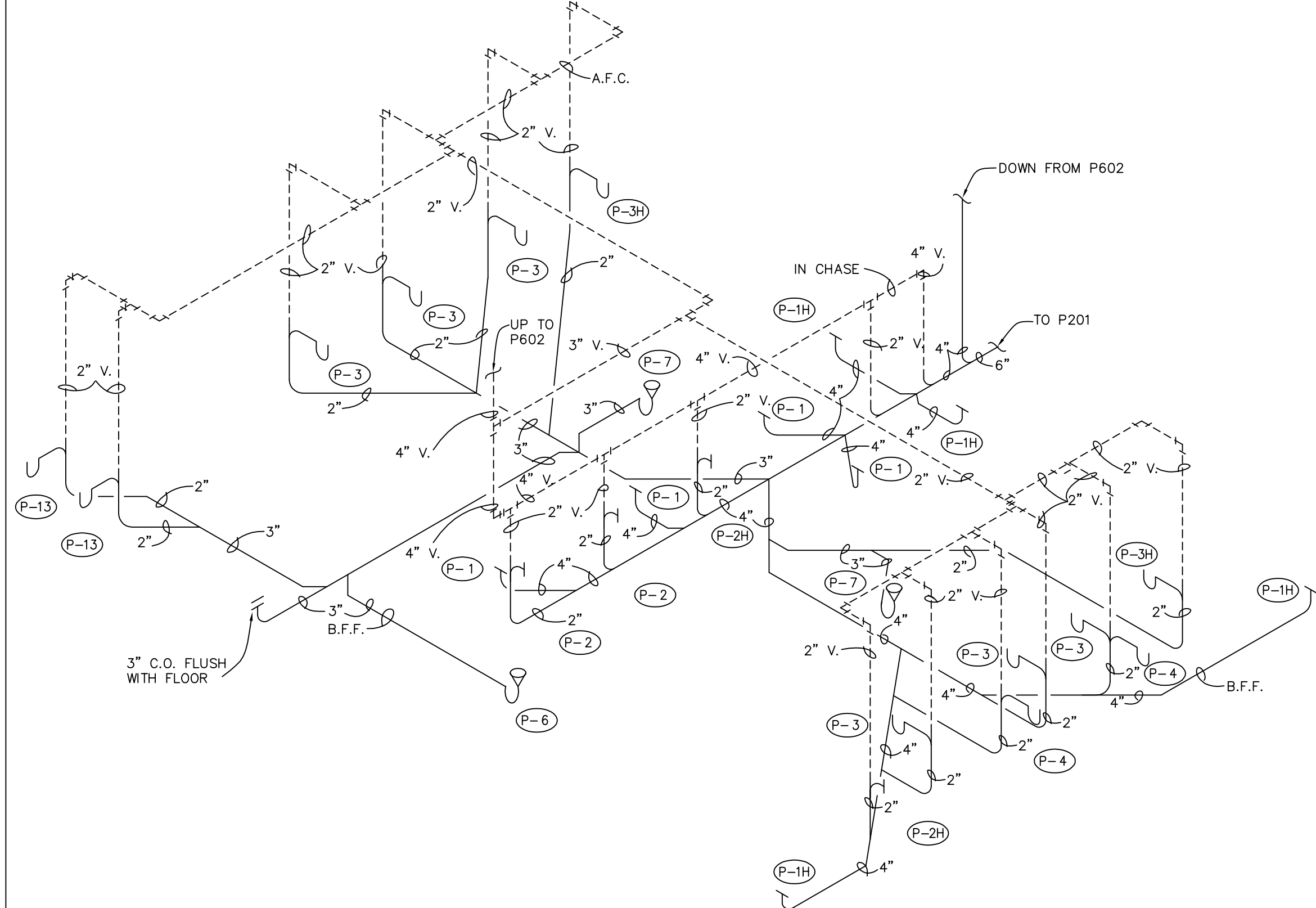
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WASTE
RISER
NO SCALE



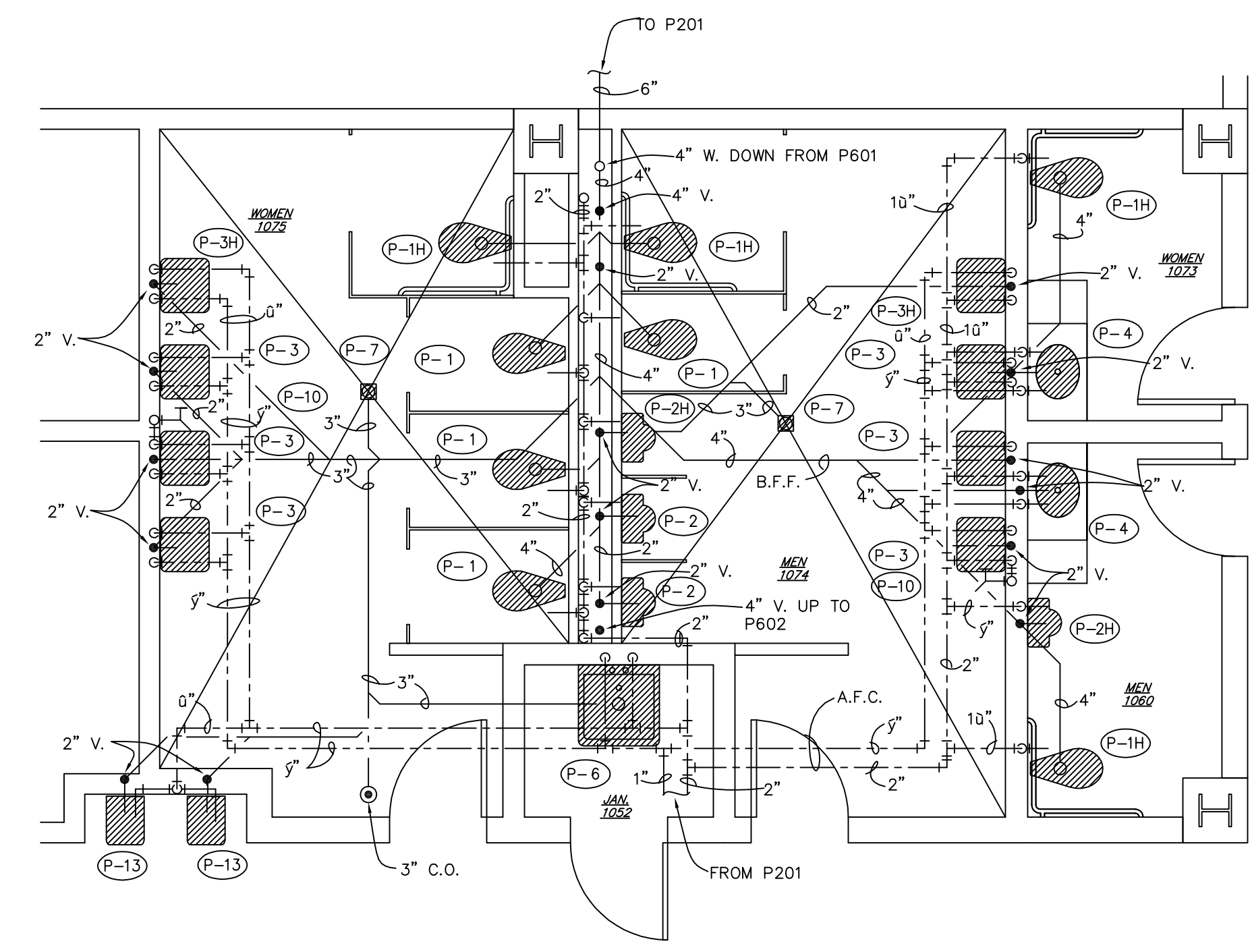
P6
02
TOILET
DETAIL
SCALE: 1/4" = 1'-0"



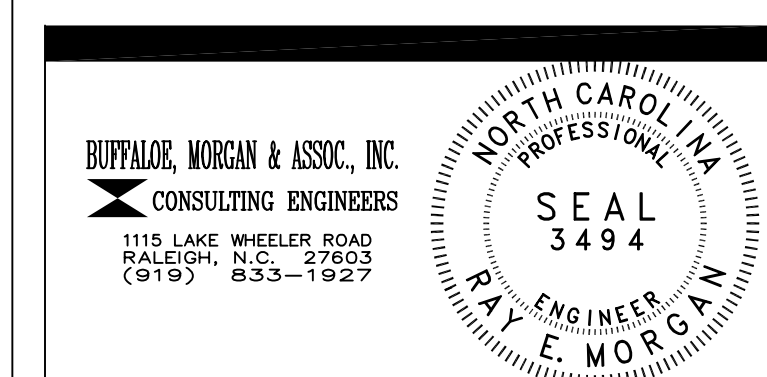
P6
01
WATER
RISER
NO SCALE



P6
01
WASTE
RISER
NO SCALE

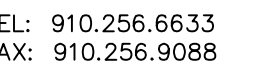


P6
01
TOILET
DETAIL
SCALE: 1/4" = 1'-0"



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NO.	DATE:	REMARKS:

DATE: 16 MAY 1994
PROJECT#: 9305
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7

