# LEGEND <u>SYMBOL</u> <u>DESCRIPTION</u> VENT SANITARY -----V COLD WATER HOT WATER TEMPERED WATER (105 °F) NATURAL GAS (8" WC) TPCW TRAP PRIMER COLD WATER ---- VBF ----VENT BELOW FLOOR EXISTING COLD WATER ----EXIST.CW----ECW EXIST.G EG EXISTING GAS EXISTING HOT WATER SUPPLY ---- - EXIST.HW- - - EHW ---- - EXIST.HWR - - EHWR EXISTING HOT WATER RETURN EXISTING DRAIN (INDIRECT) EXIST.D ED EXIST.SAN ES EXISTING SANITARY SEWER ————— EXIST.HW————— EV EXISTING SANITARY SEWER VENT GAS COCK SHUT OFF VALVE THROTTLING VALVE CHECK VALVE HOSE BIBB RISE/DROP IN PIPE WATER HAMMER ARRESTOR W/ ACCESS PANEL VENT THRU ROOF FLOOR DRAIN RD/OD ROOF DRAIN/OVERFLOW DRAIN CO/WCO CLEANOUT/WALL CLEANOUT FLOOR CLEANOUT/ CLEANOUT TO GRADE POINT OF CONNECTION DIAMETER AUTHORITY HAVING JURISDICTION NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED.

2013 CA	ALIFORNIA FI	RE CODE				
	WATE	ER HAMME	ER ARRES	TOR SCHED	ULE	
WHA SYMBOL	A	B	©	(D)	E	F
J.R. SMITH HYDROTROL	5005	5010	5020	5030	5040	5050
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

2013 CALIFORNIA BUILDING CODE.

2013 CALIFORNIA MECHANICAL CODE.

2013 CALIFORNIA PLUMBING CODE.

CODES

TITLE 19, CCR, PUBLIC SAFETY,

STATE FIRE MARSHAL REGULATIONS

2013 CALIFORNIA ENERGY CODE (CEC)

	MINIMUM PIPE	INSULATION	
FOR -	TYPE "L" COPPER HOT W	ATER PIPING 105°F-200°F.	
PIPE DIAMETI	ER (IN INCHES)	INSULATION THICKNESS	
1 RUNOUTS	UP 2" INCHES	0.5	
BRANCHES,	1" & LESS	1.0	
$\langle 2 \rangle$ MAINS &	1.25 TO 2"	1.0	
LOOPS	2.50 TO 4"	1.5	

$\begin{pmatrix} 1 \end{pmatrix}$	"RUNOUTS" ARE PIPING THAT IS 12 FEET LONG OR LESS AND THAT IS CONNECTED TO FIXTURES OR INDIVIDUAL TERMINAL UNITS.
	"BRANCHES, MAINS & LOOPS" ARE CIRCULATING PIPING AND PIPING THAT IS OVER 12 FEET LONG AND THAT IS CONNECTED TO FIXTURES OF INDIVIDUAL TERMINAL UNITS.

# GENERAL NOTES

- ALL WORK, SHALL BE IN STRICT ACCORDANCE WITH, BUT NOT LIMITED TO, THE STATE OF CALIFORNIA, CITY OF OXNARD AND AUTHORITIES HAVING JURISDICTION.
- 2 PLUMBING DRAWINGS AND LAYOUTS ARE DIAGRAMMATIC TO SHOW DESIGN INTENT AND FINISHED CONDITIONS. CONTRACTOR SHALL COORDINATE PIPING WITH EXISTING CONDITIONS. IF FIELD CONDITIONS DIFFER SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS AND EFFECT PLUMBING WORK, INFORM ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH THAT AREA.
- PRIOR TO BIDDING, CONTRACTOR TO VISIT SITE AND VERIFY FIELD CONDITIONS, DIMENSIONS, SPACING AND ROUTING OF ALL PLUMBING PIPING. ANY DISCREPANCIES WITH FIELD CONDITIONS AND THESE DOCUMENTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR IMMEDIATE RESOLUTION. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES FOR CLEARANCES PRIOR TO THE
- START OF WORK.

  4. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES CONNECTION REQUIREMENTS PRIOR TO START OF WORK.
- 5. SEE ARCHITECTURAL DRAWINGS FOR SCOPE AND EXACT PLUMBING FIXTURE LOCATIONS AND QUANTITIES.
- 6. ALL WATER PIPING LOCATED ABOVE CEILING, REQUIRING TEMPORARY OR PERMANENT CAPPED CONNECTIONS SHALL BE PROVIDED WITH LINE—SIZE SHUT—OFF VALVES.
- 7. ALL CLEANOUTS SHALL BE ACCESSIBLE AND INSTALLED PER CPC SECTION 719.0, IN ADDITION, PROVIDE CLEANOUTS AT EACH LAV./SINK.
- 8. PROVIDE ACCESS PANELS IN WALLS FOR SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTERS. CONTRACTOR IS ADVISED THAT ITEMS REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE THE AREAS OF GYPSUM BOARD CEILING WITHOUT CONSENT OF ARCHITECT. COORDINATE ACCESS PANEL LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- 9. HANDICAPPED PLUMBING FIXTURES SHALL BE MOUNTED AT REQUIRED HEIGHTS AND WITH ALL RELATED ACCESSORIES AS REQUIRED BY THE STATE OF CALIFORNIA, AND AMERICANS WITH DISABILITIES ACT (ADA).
- 10. PROVIDE AND INSTALL CHROME PLATED ANGLE STOPS AT ALL FIXTURES.
- 11. COORDINATE ELECTRICAL CHARACTERISTICS OF EQUIPMENT WITH ELECTRICAL SCOPE OF WORK PRIOR TO ORDERING EQUIPMENT.
- 12. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS AT THE COMPLETION OF PROJECT FOR REVIEW BY ARCHITECT/ENGINEER.
- FOR REVIEW BY ARCHITECT/ENGINEER.

  13. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS/APPROVALS REQUIRED TO COMPLETE WORK.
- 14. CONTRACTOR SHALL CONTACT PLUMBING INSPECTOR FOR REVIEW OF DRAWINGS PRIOR TO START OF ANY WORK.15. CONTRACTOR SHALL PROVIDE A COMPLETE PLUMBING SUBMITTAL FOR ALL PIPING, EQUIPMENT,
- VALVES, ETC. TO ARCHITECT/ENGINEER FOR REVIEW AND PRIOR TO INSTALLATION OF WORK.
- 16. DURING CONSTRUCTION, PROVIDE MECHANICAL PLUGS IN OPEN DRAINS TO PREVENT DAMAGE. ALL WATER PIPING LOCATED ABOVE CEILING, REQUIRING TEMPORARY OR PERMANENT CAPPED CONNECTIONS SHALL BE PROVIDED WITH LINE—SIZE SHUT—OFF VALVES.
- 17. WATER CONSERVATION FOR PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA:
- a. LAVATORIES IN PUBLIC RESTROOMS SHALL HAVE HOT WATER CONTROLS THAT COMPLY WITH THE FOLLOWING REQUIREMENTS:

  (1) MAXIMUM FLOW RATE: 0.5 GALLONS PER MINUTE (GPM).
- 18. ALL LAVATORY FAUCETS SHALL BE PROVIDED WITH CODE—APPROVED FLOW RESTRICTORS.

(2) MAXIMUM OUTLET TEMPERATURE: 110 DEGREES F.

- 19. WATER PIPING ABOVE SLAB SHALL BE TYPE "L" COPPER. HOT WATER PIPING SHALL BE INSULATED WITH 1" THICK INSULATION INTENDED FOR BURIAL IN CONCRETE.
- 20. PROVIDE LINE SIZE SHUT OFF VALVE ON ALL BRANCHES SERVING MORE THAN TWO PIECES OF EQUIPMENT. PROVIDE ACCESS DOOR (COORDINATED WITH ARCHITECT) WHEN LOCATION FALLS ABOVE A HARD CEILING.
- 21. ALL HOT WATER PIPING TO BE INSULATED PER C.E.C. STANDARDS.
  ALL PLUMBING FIXTURES AND EQUIPMENT SHALL HAVE ISOLATING VALVES ON WATER SUPPLY LINES.
- 22. ALL REQUIRED CLEANOUTS SHALL BE INSTALL AS PER SECTIONS 707.0 AND 719.0 OF THE
- 23. SLOPE FOR DRAINAGE AND BUILDING SEWER SHALL BE 2% MIN.

WASTE, VENT, DOMESTIC WATER AND GAS PIPING.

PLUMBING CODE.

- 24. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES IN HEIGHT ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE BEFORE BEING CONNECTED TO ANY OTHER VENT.
- 25. FLAT VENTS (i.e.HORIZONTAL VENTS BELLOW THE FLOOD RIM OF THE FIXTURE) SHALL NOT BE ALLOWED FOR PLUMBING FIXTURES THAT ARE WITHIN TRAP ARM DISTANCE OF THE WALLS.
- 26. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING
- 27. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR

TO THE METHOD SET IN SECTION 609.9 OF THE PLUMBING CODE.

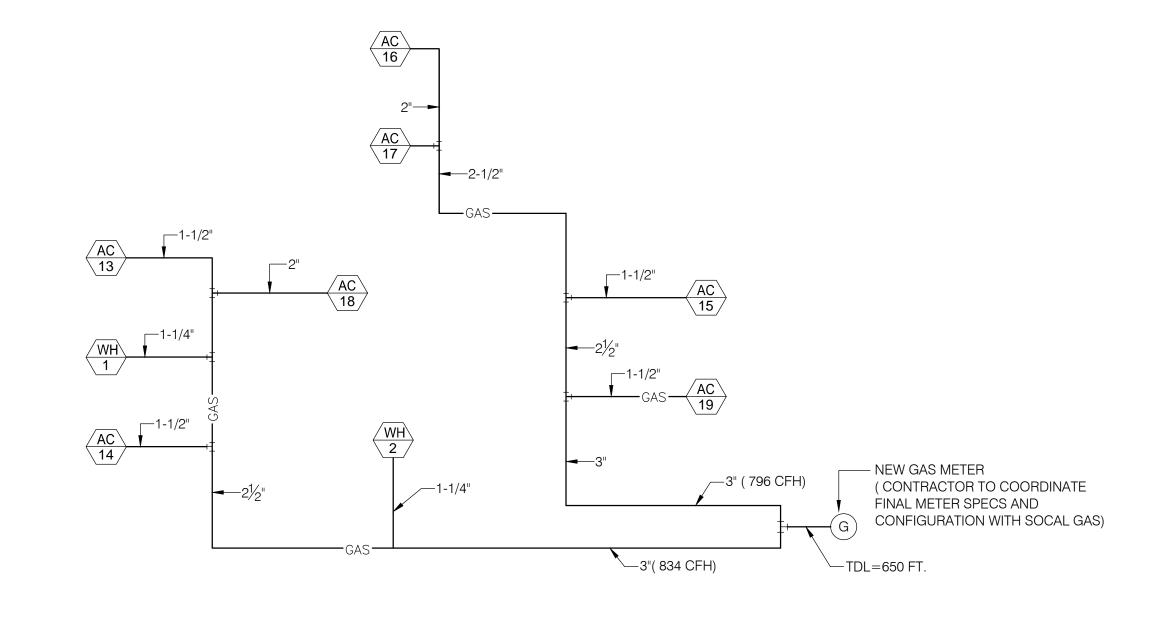
- OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

  28. THE FORCE REQUIRED TO ACTIVATE FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE NO
- GREATER THAN 5 LBF.

  29. THE PLUMBING CONTRACTOR SHALL CONFORM WITH THE PLUMBING CODE FOR TESTING OF DRAIN,

PIPE MATERIAL SCHEDULE

SERVICE	ABOVE GROUND	UNDERGROUND	REFERENCE STANDARD	REMARKS
COLD WATER	COPPER TYPE L PEX	COPPER TYPE K CPVC	ASTM B88 — COPPER ASTM F876, ASTM F877 — PEX	HARD DRAWN COPPER SDR 9 PEX
HOT WATER	COPPER TYPE L PEX	COPPER TYPE K CPVC	ASTM B88 — COPPER ASTM F876, ASTM F877 — PEX	HARD DRAWN COPPER SDR 9 PEX
SANITARY WASTE	PVC DWV SCHED.40	ABS DWV SCHED. 40	ASTM D2665-PVC DWV ASTM D2261- ABS DWV	FOLLOW MANUFACTURER MATERIAL WHEN SPECIFIED
SANITARY VENT	PVC DWV SCHED.40	PVC DWV SCHED. 80	ASTM D2665 — PVC DWV ASTM E84 — PVC PIPES IN PLENUMS 25/50 FLAME & SMOKE REQ'T.	FOLLOW MANUFACTURER MATERIAL WHEN SPECIFIED
GAS	BLACK STEEL SCHED. 40	N.A.		
INDIRECT DRAIN	PVC DWV SCHED.	PVC DWV SCHED.40	ASTM D2665	



			PLUME	3IN(	G S	CHE	EDU	LE		
	FIXTURE INF	FORMATION			PIPIN	IG DAT	A		1	REMARKS
NUMBER	DESCRIPTION	MFG.	MODEL NUMBER	WASTE	TRAP	VENT	COLD WATER	HOT WATER	GAS	
WC 1 WC 2	WATER CLOSET	AMERICAN STANDARD	AMERICAN STANDARD	4"	INT	3"	3/4"	-	-	2889.218 WITH 5259B65C.020 SEAT
WC 3	WATER CLOSET	AMERICAN STANDARD	AMERICAN STANDARD	4"	INT	3"	3/4"	-	-	MADERA 3451.128 14" HIGH BOWL WITH FLUSH VALVE
UR 1	URINAL	AMERICAN STANDARD	AMERICAN STANDARD	2"	1-1/2"	1-1/2"	1-1/4"	-	-	WASHBROOK FLOWISE 6590.525
L 1	LAVATORY	AMERICAN STANDARD	AMERICAN STANDARD	2"	1-1/2"	1-1/2"	3/4"	3/4"		0427.444EC.020 W/ FAUCETS AS SELECTED BY OWNER PROVIDE CHECK STOP AND DRAIN LINE INSULATION PER ADA
L 2	SINK	AMERICAN STANDARD	AMERICAN STANDARD	1-1/2"	1-1/4"	1-1/4"	3/4"	3/4"		
MS 1	MOP SINK	FIAT	TSB300	2"	2"	1 1/2	3/4	3/4	-	32" X32" STOCKTON #501 GREY & S S CAP, SS DRAIN COVER W/ 830 AA SERVICE FAUCET & HOSE
FD 1	FLOOR DRAIN	JOSAM	FD-200-4CP	4"	3"	-	-	-	-	STAINLESS STEEL STRAINER -
HB 1	HOSE BIBB	ARROWHEAD	AC413-6"LKBCLD	ı	-	-	3/4	-	-	ARROWHEAD AC413-6"LKBCLD FROST FREE BOX. PROVIDE WIRE TAPE FOR LINE SUBJECT TO FREEZING
ED 1	ELECTRIC DRINKING FOUNTAIN	ELKAY	EZSTL8LC	1-1/2"	1-1/4"	1-1/4"	1-1/4"	3/4"	-	REMOTE CHILLER ON CEILING WITH DRAIN PAN
WH 1,2	HOT WATER HEATER	AMERICAN	PG10-34-130-2NV 34	-	-	-	-	3/4"	3/4"	PROVIDE BLEED OFF LINE TO DRAIN 22 GA SHT MTL DRAIN PAN- SECURE TO WALL PER SEISMIC REQUIREMENTS, HEATING INPUT 130,000 BTU/HR.
TP 1	TRAP PRIMER	PRECISION PLUMBING	PR500	-	-	-	1/2			AUTOMATIC, MULTI-TRAP PRIMER, CAST BRONZE W/ ACCESS PANEL. PRESSURE DROP OF 3 P.S.I. SHALL ACTIVATE TRAP SEAL PRIMERS.

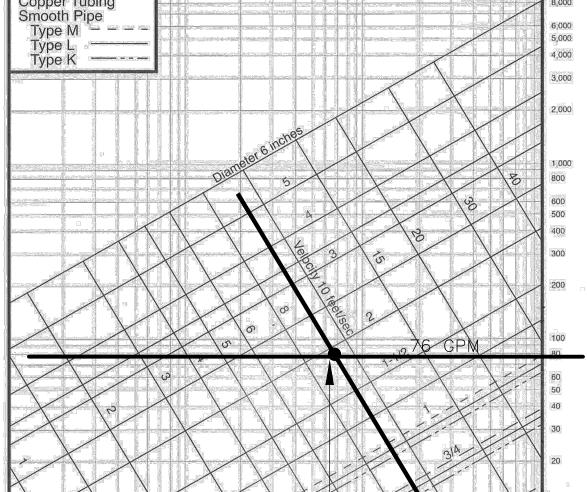
		DOME	STIC	HOT \	VATE	R EQUI	P & A0	CESS	ORIES SCHE	DULE
ITEM	FIXTURE	SOIL OR WASTE (IN)	VENT (IN)	COLD WATER (IN)	HOT WATER (IN)	TEMPERED WATER (IN)	WASTE FU	WATER FU	MANUFACTURER /MODEL NUMBER	REMARKS
MV 1	MIXING VALVE			1/2	1/2				APOLLO 34ALF	125 PSIG, 200°F MAX TEMP. BRONZE BODY, SS PISTON LINER
ET 1	EXPANSION TANK			3/4					AMTROL ST- 12	EXPANSION TANK , STEEL , 150 NPSIG, 4.4 GAL, 200°F MAX
CP 1	RECIRCULATING PUMP			3/4					TACO GRUNDFOS	2.0 GPM WITH 25 FT TDH COMPLETE WITH ISOLATION VALVE AND CHECK VALVE ASSEMBLY.

# FITTINGS SCHEDULE

ı	-11 1111/09 200ED	ULE									
	ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMP'D WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
_	FCO 1	FLOOR CLEANOUT								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 ZURN / MODEL: Z-1400
	WCO 1	WALL CLEANOUT								CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 ZURN / MODEL: Z-1446-BP
-	BFP 1	BACKFLOW PREVENTOR			VERIFY					REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: 009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860

NOTE: NOT ALL PLUMBING FIXTURE & FITTINGS SYMBOLS SHOWN ARE NECESSARILY USED.

CHART A-4



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i.	0.2	0.3	0.4 0.5 0.6 EDICTION	VE 4.901 101	2 S IN HEAD, Î	a lbe	4 DED	5 6	8 10 A DE-ING		20 -EQQ1	30 F L ENG	40 50 60	80	10
			'Ø MAIN ( SUPPLY	COLD	1 10-1 965/000/16/5/4600	ililios,	1212110		Z181-2181	S111:1100	-1.00	LEIN	<b>2</b> 88.08		

PIPE MATERIAL	1/2" TO 3/4"	1" TO 1-1/2"	2" TO 2-1/2"	PIPE SIZE (IN.)	MIN. ROD DIA.	ROD DIA. (IN.)	MAX. LOAD (LB.)
STEEL	6 FT.	8 FT.	10 FT.	3/4" TO 2"	3/8"	3/8"	500
COPPER	5 FT.	6 FT.	8 FT.	2-1/2" TO 3"	1/2"	1/2"	1000
PLASTIC	4 FT.	5 FT.	6 FT.			5/8"	1700

WHERE SPRING HANGERS ARE REQUIRED, SUPPORT ONLY ONE PIPE FROM A HANGER OR TRAPEZE HANGER.

SUPPORTS OR HANGERS SHALL BE LOCATED ADJACENT TO FITTINGS AND IN ADDITION TO ABOVE HANGERS,
PIPING SHALL BE SUPPORTED AT EACH OFFSET OR CHANGE OF DIRECTION, AT ENDS OF BRANCHES, AT THE
BASE OF RISER PIPES AND ALONG PIPING AS REQUIRED TO PREVENT SAGS, BENDS OR VIBRATION.

MULTIPLE PIPES. WHEN TRAPEZE HANGERS ARE USED FOR MULTIPLE PIPES, EACH PIPE SHALL BE INDIVIDUALLY

CLAMPED OR GUIDED AT EACH TRAPEZE HANGER. LOADING PER HANGER ROD SHALL NEVER EXCEED THE

	PLUMBING FIXTUR	RE L	OA	D SUI	MMAR	Υ
ITEM	DESCRIPTION	QTY	WSFU	TOTAL WSFU	DFU	TOTAL DFU
	WATER CLOSET	8	4	32.0	5	40
1	WATER CLOSET (ASSY. AREA)	9	6	54.0	5	45
	URINAL	2	2	4.0	4	8
2	URINAL (ASSY. AREA)	2	5	10.0	4	8
3	LAVATORY	13	1	13.0	1	13
4	FLOOR DRAIN	16	0	0.0	2	32
5	HOSE BIBB	7		8.5		
6	HAND SINK	2	1.5	3.0	2	4
7	MOP SINK	2	3	6.0	3	6
3	DRINK FOUNTAIN	2	1	2.0	1	2
	TOTAL			132.5		158.0
	GPM ( FLUSH VALVE)			76		

S	HEET INDEX LEGEND				
SHEET NO.	SHEET TITLE				
P001	GENERAL NOTES, SCHEDULE & SPECIFICATIONS				
P100	SANITARY PLAN				
P200	COLD WATER & GAS PLAN				
P300	PLUMBING DETAILS				



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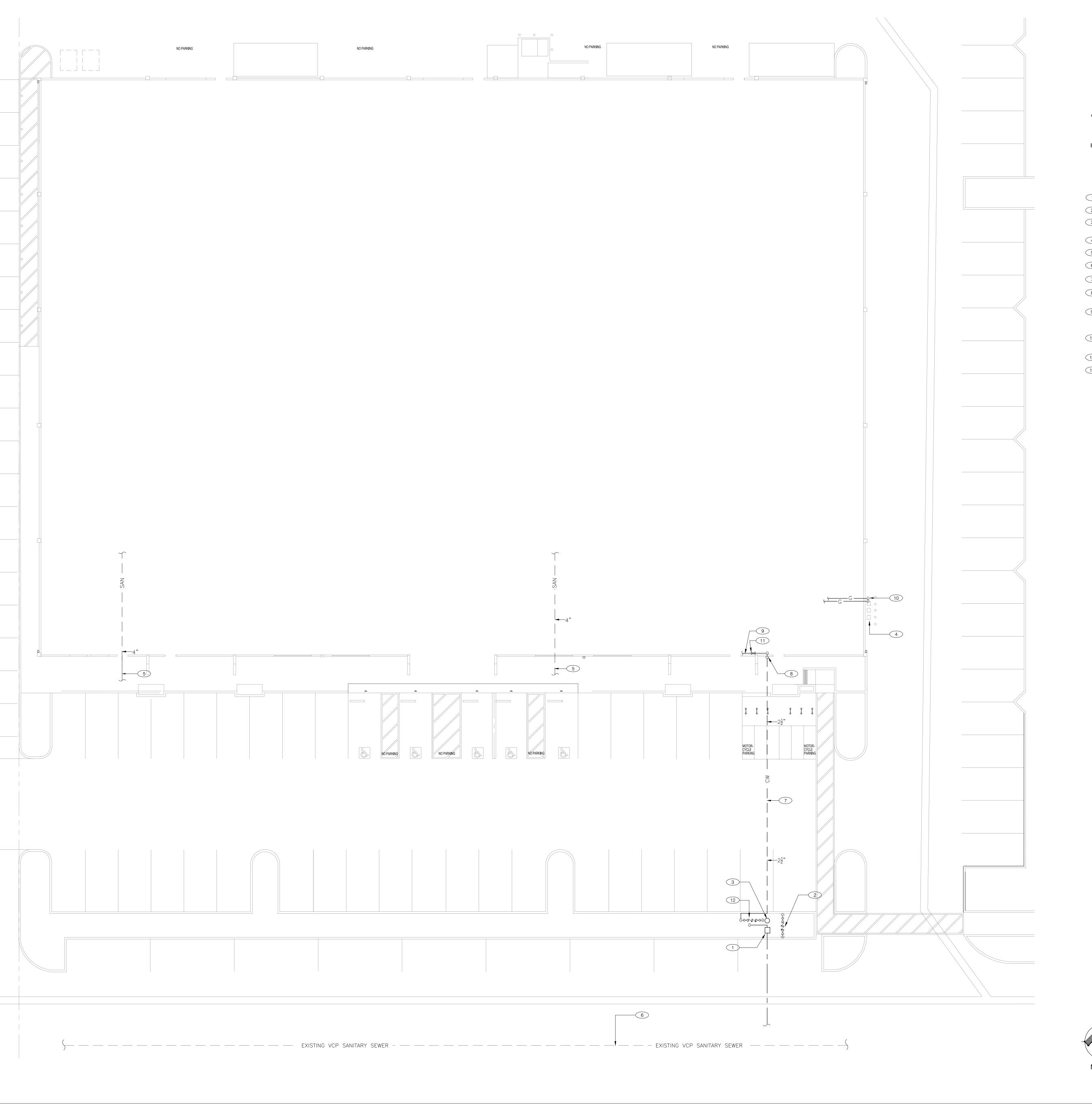
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- A. CONTRACTOR TO VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS. ANY DAMAGES TO ANY EXISTING WALLS, FLOORS, FINISHES ETC. BY THIS CONTRACTOR ARE TO BE REPAIRED AT THIS CONTRACTOR'S EXPENSE
- B. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES, EQUIPMENT AND RELATED ACCESSORIES PRIOR TO BID. COORDINATE ALL MAJOR DISCREPANCIES WITH PLANS WITH THE ARCHITECT AND ENGINEER PRIOR TO FINAL COSTING AND START OF ANY WORKS.

### KEYED NOTES

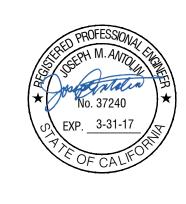
- 1 EXISTING IRRIGATION BACKFLOW PREVENTOR. FIELD VERIFY.
- 2 EXISTING FIRE SPRINKLER BACKFLOW PREVENTOR. FIELD VERIFY.
- 3 EXISTING WATER METER. FIELD VERIFY AND COORDINATE WITH ENGINEER FOR ANY DISCREPANCY PRIOR TO COSTING AND START OF WORKS
- 4 EXISTING GAS METERS. FIELD VERIFY.
- 5 NEW 4" SANITARY WASTE LINE TO STREET SANITARY LINE . FIELD VERIFY
- 6 APPROXIMATE LOCATION OF MAIN STREET SANITARY SEWER LINE . FIELD VERIFY.
- 7  $2\frac{1}{2}$ " cold water main pipe from street below ground.
- 8) 2½" COLD WATER UP FROM BELOW TO APPROX. 12"-24" THRU WALL. FIELD VERIFY.
- 9  $2\frac{1}{2}$ " cold water up to high level to backflow preventor assembly.see p200 for continuation. Field verify and coordinate with architect for any discrepancy prior to costing.
- 10 NEW (2)-3" GAS PIPE TO SUPPLY GAS HEATING FOR ROOFTOP UNITS AND DOMESTIC WATER HEATER.
- 11)  $2\frac{1}{2}$ " in wall shut of valve at high level.
- 12 INCOMING COLD WATER BACKFLOW PREVENTOR. COORDINATE WITH LOCAL CITY CODE REQUIREMENTS BEFORE COSTING AND START OF WORK.PROVIDE APPROVED ENCLOSURE.



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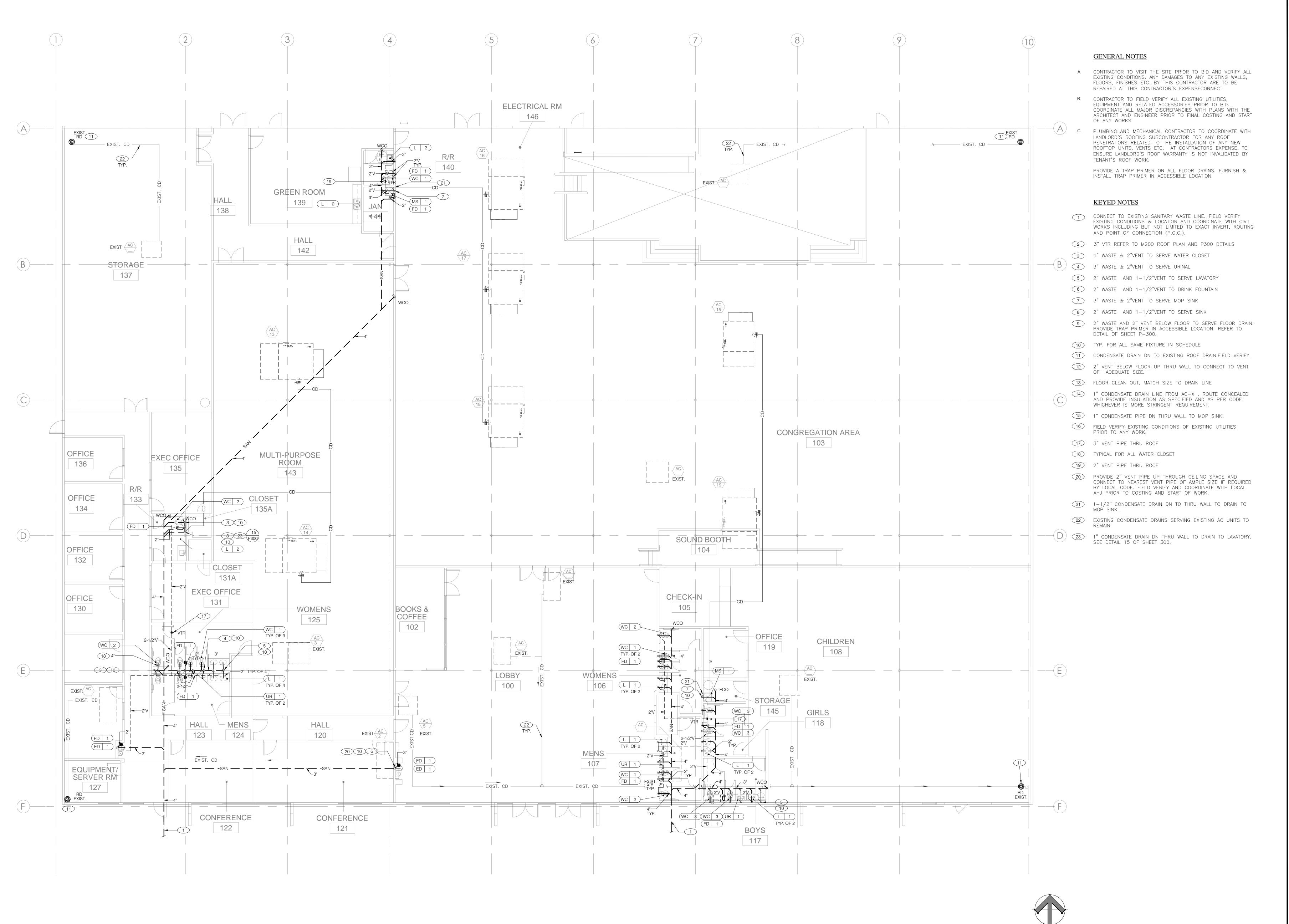
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Manager:

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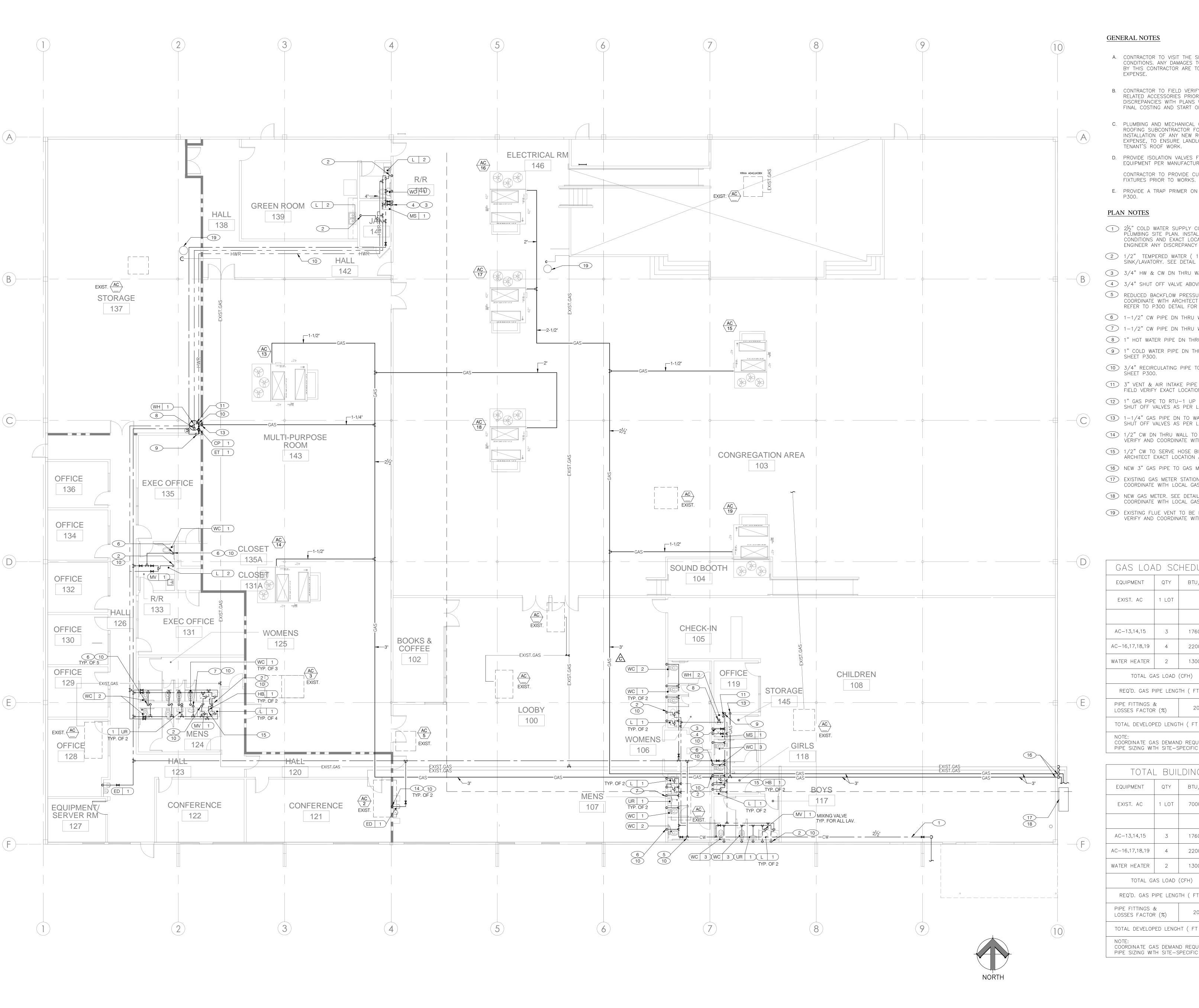
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### **GENERAL NOTES**

- A. CONTRACTOR TO VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS. ANY DAMAGES TO ANY EXISTING WALLS, FLOORS, FINISHES ETC. BY THIS CONTRACTOR ARE TO BE REPAIRED AT THIS CONTRACTOR'S
- B. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES, EQUIPMENT AND RELATED ACCESSORIES PRIOR TO BID. COORDINATE ALL MAJOR DISCREPANCIES WITH PLANS WITH THE ARCHITECT AND ENGINEER PRIOR TO FINAL COSTING AND START OF ANY WORKS.
- C. PLUMBING AND MECHANICAL CONTRACTOR TO COORDINATE WITH LANDLORD'S ROOFING SUBCONTRACTOR FOR ANY ROOF PENETRATIONS RELATED TO THE INSTALLATION OF ANY NEW ROOFTOP UNITS, VENTS ETC. AT CONTRACTORS EXPENSE, TO ENSURE LANDLORD'S ROOF WARRANTY IS NOT INVALIDATED BY
- D. PROVIDE ISOLATION VALVES FOR HW,CW AND GAS SUPPLY TO FIXTURES AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO PROVIDE CUT SHEET SUBMITTAL OF ALL PLUMBING
- E. PROVIDE A TRAP PRIMER ON ALL FLOOR DRAINS. REFER TO DETAIL 8 OF

- 1  $2\frac{1}{2}$ " COLD WATER SUPPLY CONNECT TO EXISTING P.O.C. SEE P002 PLUMBING SITE PLAN. INSTALL CLOSEST TO WALL. FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATIONS. COORDINATE WITH ARCHITECT AND ENGINEER ANY DISCREPANCY WITH PLANS PRIOR TO BID.
- 2 1/2" TEMPERED WATER ( 105°F) DN THRU WALL TO SERVE SÍNK/LAVATORY. SEE DETAÌL
- 3 3/4" HW & CW DN THRU WALL TO MOP SINK.
- 4 3/4" SHUT OFF VALVE ABOVE MOP SINK AREA.
- 5 REDUCED BACKFLOW PRESSURE ASSY. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH ARCHITECT & ENGINEER EXACT LOCATION PRIOR TO BID. REFER TO P300 DETAIL FOR MOUNTING DETAILS.
- 6 1-1/2" CW PIPE DN THRU WALL TO SERVE WATER CLOSET.
- 7 1-1/2" CW PIPE DN THRU WALL TO SERVE URINAL.
- 8 1" HOT WATER PIPE DN THRU WALL FROM HOT WATER SUPPLY PIPE
- 9 1" COLD WATER PIPE DN THRU WALL TO WATER HEATER. SEE DETAIL 1 OF SHEET P300.
- 10 3/4" RECIRCULATING PIPE TO HOT WATER HEATER. SEE DETAIL 1 & 6 OF
- 11) 3" VENT & AIR INTAKE PIPE UP THRU ROOF . SEE DETAIL OF SHEET P300. FIELD VERIFY EXACT LOCATION& CONDITIONS
- 1" GAS PIPE TO RTU-1 UP THRU ROOF PROVIDE NECESSARY FITTINGS AND SHUT OFF VALVES AS PER LOCAL CODE.
- 13) 1-1/4" GAS PIPE DN TO WATER HEATER.PROVIDE NECESSARY FITTINGS AND SHUT OFF VALVES AS PER LOCAL CODE.
- 1/2" CW DN THRU WALL TO SERVE DRINKING FOUNTAIN AND FILTER. FIELD VERIFY AND COORDINATE WITH EQUIPMENT MANUFACTURER.
- 15) 1/2" CW TO SERVE HOSE BIBB . FIELD VERIFY AND COORDINATE WITH ARCHITECT EXACT LOCATION AND MOUNTING HEIGHT.
- (16) NEW 3" GAS PIPE TO GAS METER. SEE DETAIL OF SHEET P300
- 17) EXISTING GAS METER STATION TO BE REPLACED. FIELD VERIFY AND COORDINATE WITH LOCAL GAS COMPANY AND PLUMBING ENGINEER.
- 18) NEW GAS METER. SEE DETAIL OF SHEET P300.FIELD VERIFY AND COORDINATE WITH LOCAL GAS COMPANY AND PLUMBING ENGINEER.
- 19) EXISTING FLUE VENT TO BE REMOVED, COVERED AND PATCHED. FIELD VERIFY AND COORDINATE WITH OWNERS ROOFING CONTRACTOR.

	GAS LOAD SCHEDULE—ADDITIONAL AC UNITS						
	EQUIPMENT	QTY	BTU/HR	CFH	REMARKS		
	EXIST. AC	1 LOT			APPROX. GAS INPUT FOR (9) 3 TR & (2) 4 TR		
	AC-13,14,15	3	176000	528.0			
	AC-16,17,18,19	4	220000	880.0			
	WATER HEATER	2	130000	260.0			
	TOTAL GAS LOAD (CFH)			1668.0			
	REQ'D. GAS PIPE LENGTH ( FT )			320			
	PIPE FITTINGS & LOSSES FACTOR		200				
	TOTAL DEVELOPED LENGTH ( FT )			640			
	NOTE: COORDINATE GA PIPE SIZING WIT						

TOTAL BUILDING GAS LOAD SCHEDULE								
EQUIPMENT QTY		BTU/HR	CFH	REMARKS				
EXIST. AC	1 LOT	700000	700.0	APPROX. GAS INPUT FOR (9) 3 TR & (2) 4 TR				
AC-13,14,15	3	176000	528.0					
AC-16,17,18,19	4	220000	880.0					
WATER HEATER	2	130000	260.0					
TOTAL GA	AS LOAD	(CFH)	2368.0					
REQ'D. GAS F	PIPE LENG	TH ( FT )	320					
PIPE FITTINGS ( LOSSES FACTOR		200						
TOTAL DEVELOF	PED LENGH	HT ( FT )	640					
NOTE: COORDINATE GA PIPE SIZING WI								

a division of Plump Engineering, Inc.

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SHEETNUMBER

