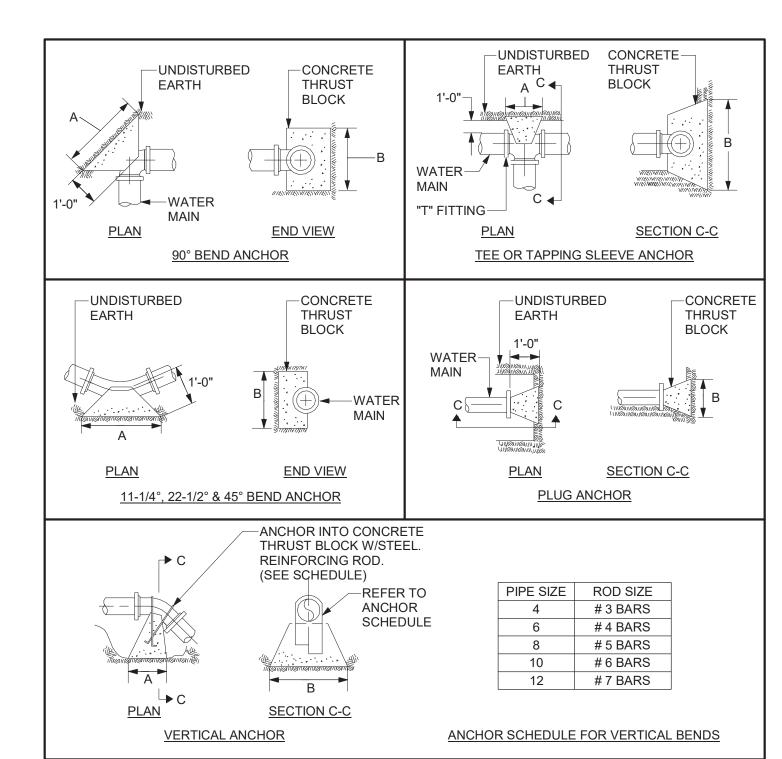


DETAIL NOTES:

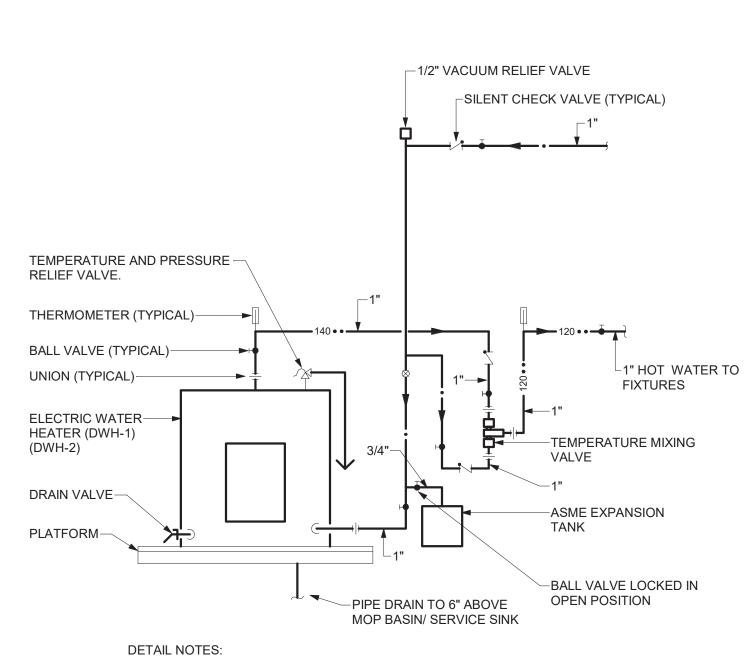
- A. REFER TO FLOOR PLANS FOR LOCATION OF FIRE PROTECTION SERVICE ENTRANCE.
- B. ALL COMPONENTS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13, LOCAL AUTHORITIES HAVING JURISDICTION AND COMPONENTS MANUFACTURERS. CONTRACTOR FOR ELECTRICAL WORK WILL WIRE ALARM, TAMPER SWITCHES, PRESSURE AND FLOW SWITCHES. COORDINATE ELECTRICAL CHARACTERISTICS OF DEVICES WITH CONTRACTOR FOR ELECTRICAL WORK.
- C. PROVIDE PROPER PIPE SUPPORTS. PAINT WITH ONE (1) PRIMER AND TWO (2) FINISH COATS OF BLACK PAINT.



HORIZONTAL ANCHOR DIMENSIONS										
UP TO 250 P.S.I. WORKING PRESSURE										
PIPE SIZE IN	TEE, PLUG OR TAP SLEEVE		90° BEND		45° BEND		22-1/2° BEND		11-1/4° BEND	
INCHES	'A'	'B'	'A'	'B'	'A'	'B'	'A'	'B'	'A'	'B'
4"	1.5'	2.5'	2.5'	2.0'	2.0'	1.5'	1.0'	1.5'	1.0'	1.5'
6"	1.5'	2.5'	2.5'	2.0'	2.0'	1.5'	1.0'	1.5'	1.0'	1.5'
8"	1.5'	3.5'	3.5'	2.5'	2.5'	2.0'	1.5'	1.5'	1.0'	2.0'
DETAIL NOTES: A. CONCRETE SHALL MEET THE REQUIREMENTS FOR CLASS "A" CONCRETE										

- AS SPECIFIED IN N.Y.S.D.O.T. SPECIFICATION SECTION 501.
- HARNESS DESIGN, MATERIAL AND USAGE SHALL BE APPROVED AND DIRECTED BY THE ENGINEER.
- C. CLAMPS AND ANCHOR BOLTS FOR GRAVITY THRUST BLOCKS SHALL BE OF A DESIGN RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. ALL PARTS EXPOSED TO SURROUNDING SOIL SHALL BE ASPHALT COATED AS DIRECTED BY THE ENGINEER.
- D. ANCHOR DIMENSIONS BASED ON 2000 PSI SOIL BEARING PRESSURE. ADJUST FOR POORER SOIL CONDITIONS.
- E. THRUST BLOCKS SHALL BE FORMED SUCH THAT ALL BOLTS AND FASTENERS REMAIN ACCESSIBLE.

5 THRUST BLOCK DETAIL



PROVIDE PROPER SUPPORTS FOR PIPING AND EXPANSION TANK.

EXPANSION TANK TO BE AMTROL MODEL ST-5C, ASME RATED TANK.

VACUUM RELIEF VALVE TO BE WATTS MODEL N36, 1/2" SIZE.

STANDARD CONTROLS AND LOW WATER CUT-OFF.

PROVIDE CEILING MOUNTED PLATFORM AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR.

CEILING MOUNTED PLATFORM SHALL BE SIMILAR TO HOLDRITE MODEL # 30-SWHP-W.

PLATFORM SHALL BE MOUNTED ABOVE MOP SINK - VERIFY ELEVATION IN FIELD.

PLATFORM SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.

MASTER MIXING VALVE SHALL BE 1" WATTS MODEL #LF1170MS-US - OUTLET

COORDINATE INSTALLATION OF WATER HEATER PLATFORM WITH GENERAL

REFER TO WATER HEATER SCHEDULE FOR TANK SIZE, CAPACITY AND POWER

REQUIREMENTS. ELECTRIC WATER HEATER SHALL BE ASME RATED WITH ALL

NO. SERVICE		TYPE	KW INPUT	GALLONS/ HOUR	TEMP RISE DEG F	FUEL TYPE	VENT IN INCHES	ELECTRIC	DESIGN MAKE
DWH-1	DOMESTIC WATER	TANK	3	12	100	ELECTRIC	-	208/1/60	LOCHINVAR EJJ020GS
DWH-2	DOMESTIC WATER	TANK	3	12	100	ELECTRIC -		208/1/60	LOCHINVAR EJJ020GS
-IXTURE	E AND EQUIPME	ENT CO	NECTIC	N SCHE	DULE				
-IXTURE	<u> = AND EQUIPME</u>	COLD		WASTE OR	DULE				
DESIGNATION DESCRIPTION		WATER	HOT WATER	SANITARY	VENT	REMARKS			
WC	WATER CLOSET	1-1/2"	-	4"	2"				
UR	URINAL	1"	-	2"	1-1/2"				
LAV	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"				
SK	SINK	1/2"	1/2"	1-1/2"	1-1/2"				
FD	FLOOR DRAIN	-	-	3" OR 4"	2"	PROVIDE TRAP PRIMER			
MB	MOP BASIN	3/4"	3/4"	3"	2"				
	ELECTRIC WATER								

1/2" - 1-1/2" 1-1/2"

WATER HEATER SCHEDULE

COOLER

SYMBOL	DESCRIPTION
	NEW PIPING LOCATED ABOVE FLOOR/SLAB
	NEW PIPING LOCATED BELOW FLOOR/SLAB
•	COLD WATER PIPING (CW)
• • -	HOT WATER PIPING (HW)
	HOT WATER RECIRCULATING PIPING (HWR)
W	WATER SERVICE - EXTERIOR
— SAN ——	SANITARY SEWER PIPING
	VENT PIPING
— G ——	NATURAL GAS PIPING (G)
	ELBOW DOWN
	ELBOW UP
	BOTTOM/TEE CONNECTION
<u> </u>	TOP TEE CONNECTION
——⊃⊙	"P" TRAP
	PIPE CONTINUATION
	CAP OR PLUG
——ф	DECK PLATE CLEANOUT (DPCO)
———————————————————————————————————————	WALL PLATE CLEANOUT (WPCO)
	FLOOR DRAIN (FD)
	WALL HYDRANT (WH)
<u> </u>	SHUT OFF VALVE
	BALANCING VALVE
<u> </u>	CHECK VALVE
	BACKFLOW PREVENTER (BFP)
$\overline{(\mathbf{X})}$	DRAWING KEYNOTE

P-002 GENERAL NOTES

- COORDINATE PLUMBING WORK WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN
- RUN ALL NEW HORIZONTAL PIPING AS HIGH AS POSSIBLE ABOVE CEILINGS OR BELOW
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING NEW BUILDING WORK. WHEN EXISTING CONSTRUCTION IS DAMAGED DURING WORK BY THIS CONTRACTOR,
- REPAIR AND/OR REPLACE WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO ARCHITECT'S APPROVAL AT NO ADDITIONAL COST TO OWNER.
- MAINTAIN SERVICE CLEARANCES FOR ALL EQUIPMENT AS RECOMMENDED BY THE
- MANUFACTURER. ADVISE OTHER TRADES OF THE REQUIRED SERVICE CLEARANCES. PROVIDE FOR THE DRAINING AND REFILLING OF PIPING SYSTEMS, INCLUDING AIR REMOVAL, READJUSTING FLUSH VALVES, FLUSHING SYSTEMS OF DIRT AND SCALE
- CAUSED BY SHUT DOWNS AND STARTUPS. REFER TO PLUMBING FIXTURE AND EQUIPMENT CONNECTION SCHEDULE ON THIS
- DRAWING FOR FINAL CONNECTION SIZES. FLUSH VALVES ON ACCESSIBLE WATER CLOSETS SHALL BE ROUGHED SO THE HANDLE IS ON THE WIDE SIDE OF THE ROOM OR STALL.

—PIPE FUNCTION LABEL

DOMESTIC COLD WATER |

FLOW DIRECTION LABEL. PROVIDE 360

DEGREE WRAP OVERLAPPING BOTH

ENDS OF THE PIPE FUNCTION LABEL AND MATCHING THE FLOW DIRECTION

B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE

C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20' CENTERS FOR

D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN. IE. ON THE BOTTOM HALF OF PIPES

EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.

E. LABELS SHALL BE, COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL.

IN THE AIR AND ON THE TOP HALF OR SIDES OF PIPES MOUNTED LOW.

OF THE PIPE CONTENTS.

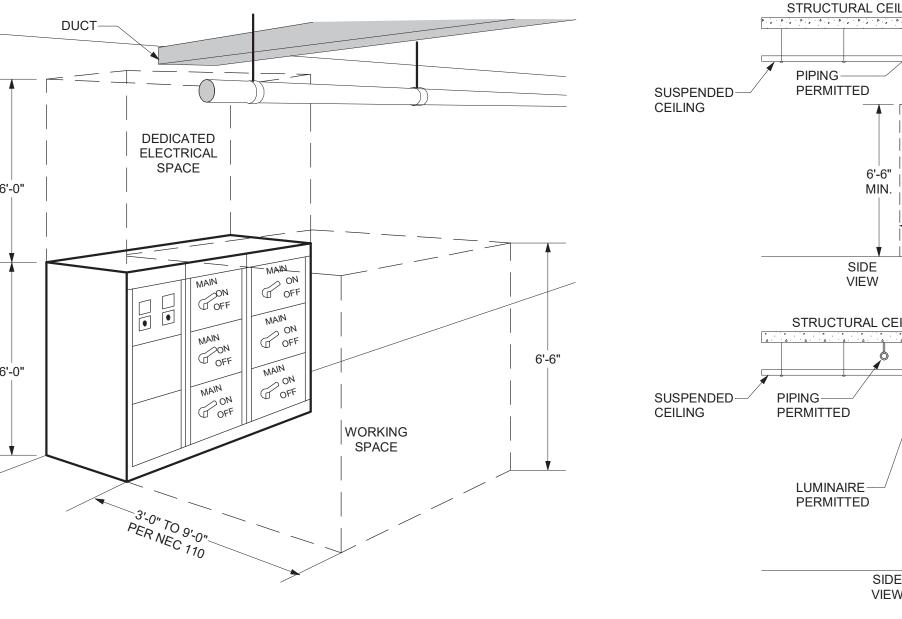
A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.

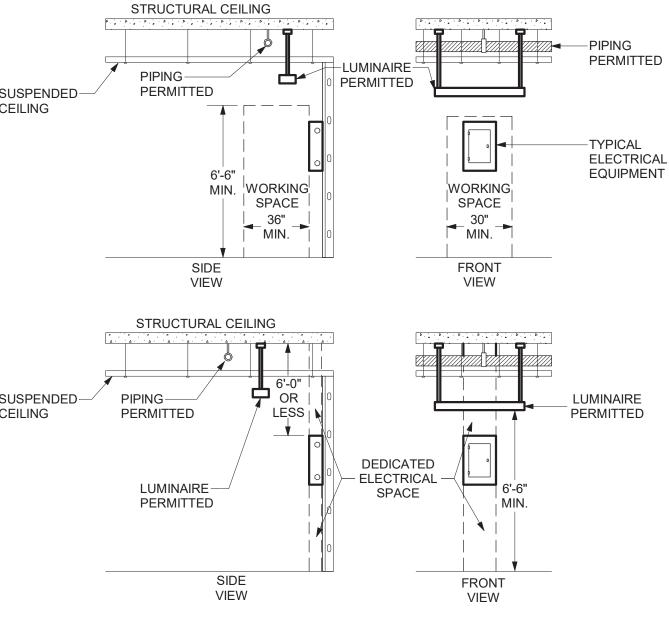
PIPE PASSES THROUGH.

ELECTRIC WATER HEATER ON PLATFORM DETAIL NOT TO SCALE

TEMPERATURE SHALL BE SET AT 120 DEF F.

CONTRACTOR PRIOR TO CONSTRUCTION.

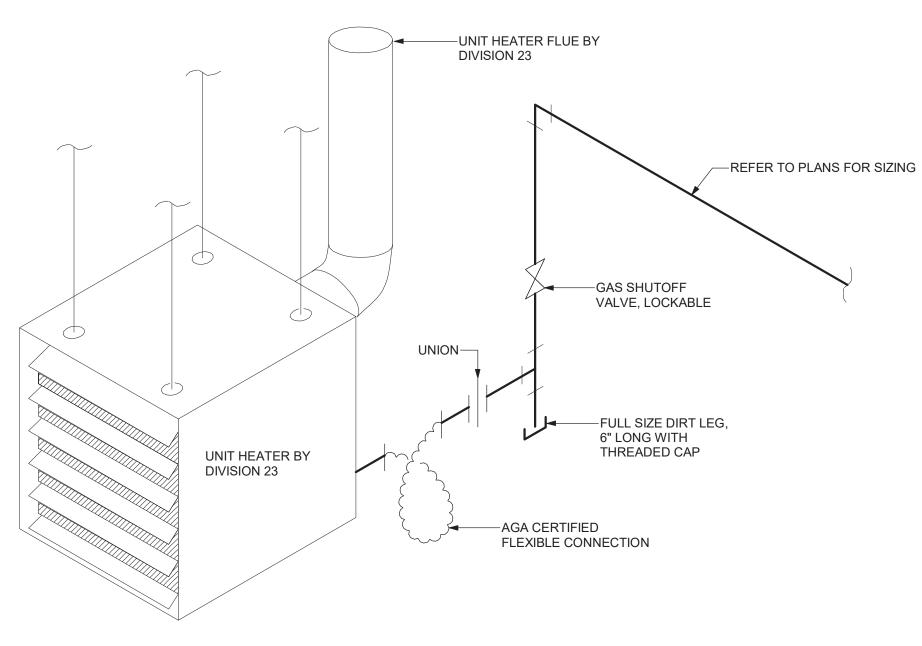




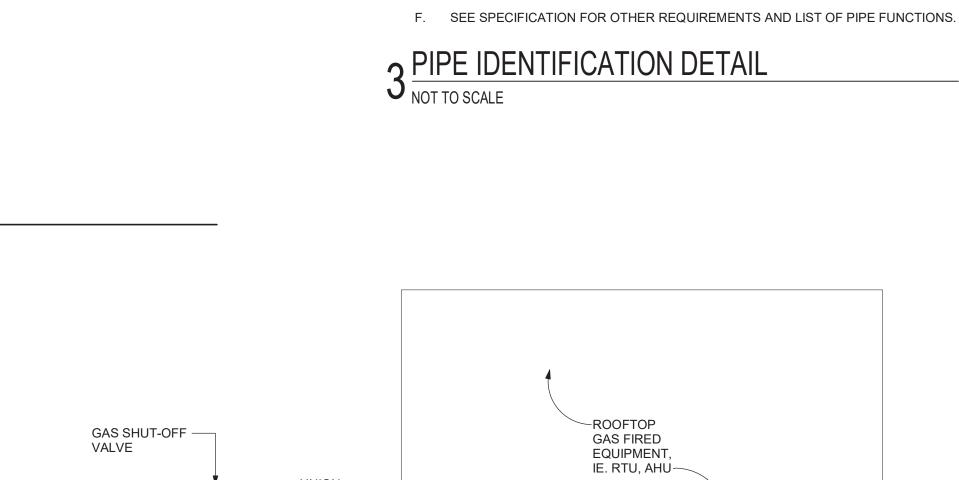
DETAIL NOTES:

- A. ELECTRICAL EQUIPMENT INCLUDES PANELS, TRANSFORMERS, DISCONNECTS, STARTERS, MOTOR CONTROL CENTERS, SWITCHGEAR, ADJUSTABLE SPEED DRIVES, AND FUSED SWITCHES (THIS ALSO APPLIES TO ELECTRICAL GEAR MOUNTED DIRECTLY ON MECHANICAL EQUIPMENT).
- B. DEDICATED ELECTRICAL SPACE IS DEFINED BY NEC 110.
- C. NO PIPING OR DUCTWORK MAY BE INSTALLED IN DEDICATED ELECTRICAL SPACE OR WORKING SPACE.

A PIPING OVER ELECTRICAL EQUIPMENT DETAIL NOT TO SCALE



7 GAS CONNECTION TO UNIT HEATER DETAIL NOT TO SCALE



DETAIL NOTES:

DETAIL NOTES:

FULL SIZE 6" LONG —

DIRT LEG WITH

A. PROVIDE SHUT-OFF VALVE, DIRT LEG AND UNION AT EACH GAS CONNECTION ON EACH

- L . D . . D . . D . . D . . D . . D . . L . D . D . . D

- B. VERIFY CONNECTION SIZES, QUANTITIES AND LOCATIONS WITH MECHANICAL CONTRACTOR.
- C. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FINAL CONNECTION.
- D. REFER TO DRAWING. --- FOR GAS PIPING SUPPORT DETAIL

GAS CONNECTION TO EQUIPMENT DETAIL

RW Monster Golf Structures

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JCJARCHITECTURE

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OWNERS CONSULTANT AKRF ENGINEERING 34 SOUTH BROADWAY, SUITE WHITE PLAINS, NY 10601 914-949-7336

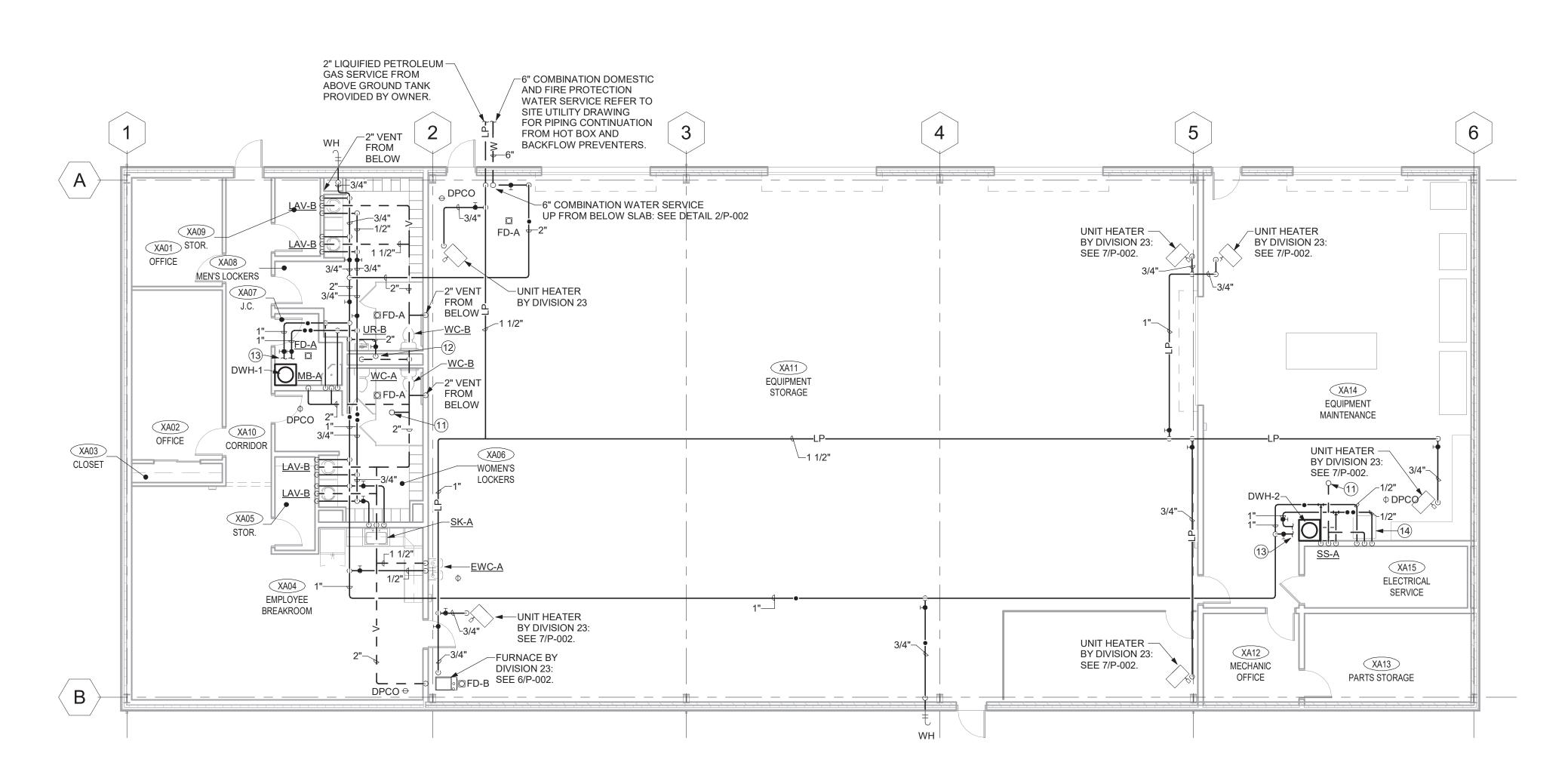
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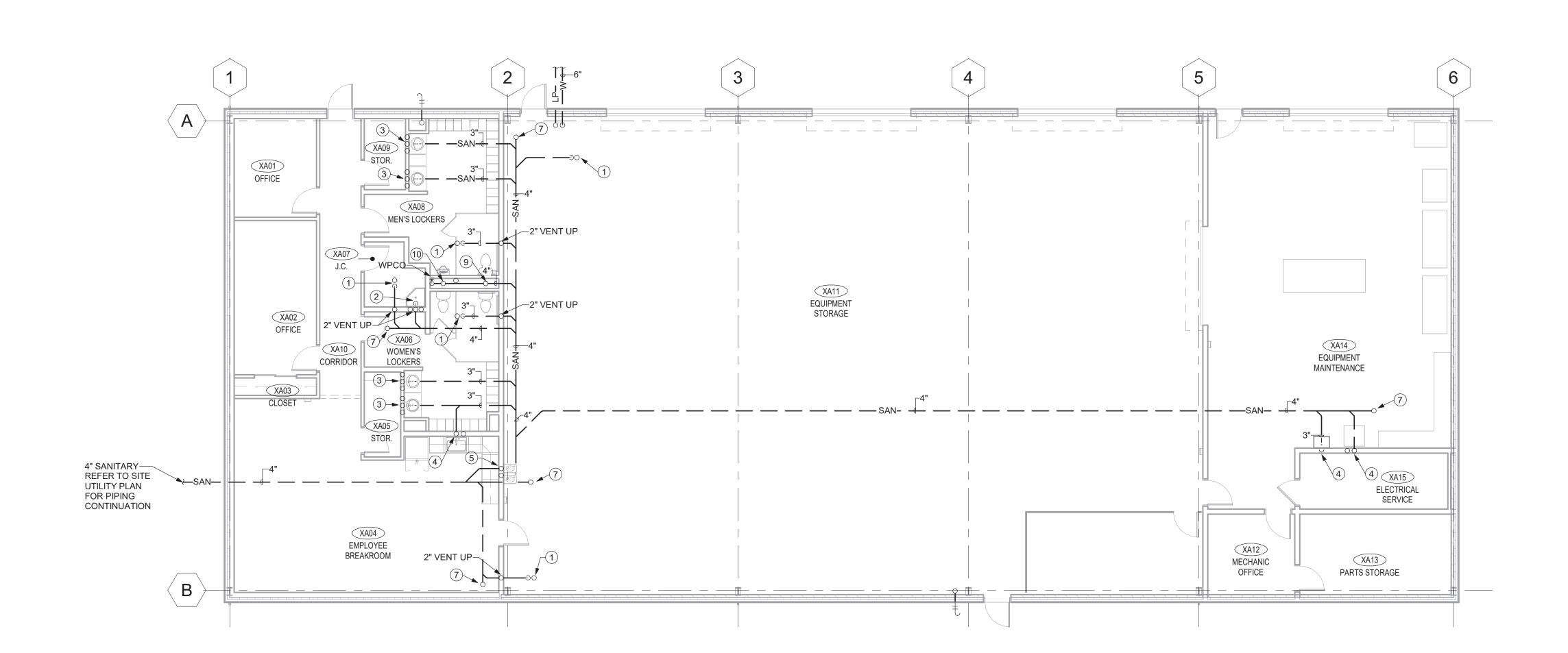
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DETAILS, **SCHEDULES AND SYMBOL LIST -PLUMBING**

P-002



MAINTENANCE BUILDING - FIRST FLOOR PLAN - PLUMBING



 $2^{\frac{\text{MAINTENANCE BUILDING - UNDERSLAB PLAN - PLUMBING}}{1/8" = 1'-0"}$

P-111 DRAWING NOTES

- 1 3" SANITARY FROM FLOOR DRAIN ABOVE.
- 2 3" SANITARY FROM MOP BASIN ABOVE.
- 3 3" SANITARY FROM LAVATORY ABOVE. 4 3" SANITARY FROM SINK ABOVE.
- 5 3" SANITARY FROM ELECTRIC WATER COOLER ABOVE.
- 7 4" SANITARY UP TO DECK PLATE CLEANOUT (DPCO) ABOVE. 9 4" SANITARY DOWN, 2" VENT UP.
- 10 4" SANITARY FROM WATER CLOSET AND URINAL, 2" VENT UP. 11 3" VENT UP THROUGH ROOF.
- 12 2" CW HEADER DOWN IN CHASE. BRANCH AND CONENCT TO WATER CLOSETS
- AND URINALS. PROVIDE WATER HAMMER ARRESTOR ON CONNECTION TO THE LAST TWO FIXTURES. 13 1" CW & 1" HW TO ELECTRIC WATER HEATER: REFER TO DETAIL 1 ON P-002.
- REQUIREMENTS, PROVIDE APPURTENANCES AS REQUIRED AND MAKE ALL
- 14 PARTS WASHER FURNISHED BY OWNER. VERIFY ALL EQUIPMENT FINAL CONNECTIONS TO EQUIPMENT.

RW Monster Golf Accessory Structures

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ISSUE 09/30/21 DRAWN EAS **SCALE** 1/8" = 1'-0"

REVISIONS:

FIRST FLOOR PLAN -**PLUMBING**

P-113