GENERAL FIRE SPRINKLER NOTES:

1. THE AREAS SHALL BE COMPLETELY FIRE SPRINKLERED WITH A GROUP/OCCUPANCIES HYDRAULICALLY CALCULATED WET PIPE SPRINKLER SYSTEM.
2. ALL FIRE LINES SHALL BE PAINTED RED WHERE EXPOSED (IN FINISHED AREAS).
3. ALL VALVES SHALL BE EQUIPPED WITH A TAMPER SWITCH, EXCEPT DRAIN VALVES.
4. CONTRACTOR SHALL REVISE LOCATIONS OF PIPING AS SHOWN, TO MEET UNFORESEEN CONDITIONS OR CONTRACTOR'S REQUIREMENTS. PREPARE SHOP DRAWINGS AS REQUIRED. SUBJECT TO APPROVAL OF THE STATE INSURANCE AUTHORITIES AND THE LOCAL AUTHORITIES.
5. ALL DIMENSION AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT SITE. ALL PIPING AND EQUIPMENT, LOCATIONS, SIZES, AND DIMENSIONS SHALL BE CHECKED AND VERIFIED AT BUILDING SITE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF WALLS, CEILING HEIGHTS, AND PARTITIONS.
7. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF SPRINKLER HEADS FROM THE ARCHITECTURAL REFLECTING CEILING PLANS, AND OTHER TRADES. HEADS SHALL BE CENTERED IN TILE.
8. COMPLETED SPRINKLER SYSTEM SHALL BE ACCEPTABLE TO THE 'AUTHORITY' HAVING JURISDICTION.
9. PRIOR TO BID SUBMITTAL THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO VERIFY FLOOR PLAN SCALE OF MECHANICAL DRAWINGS PRIOR TO ANY QUANTITATIVE TAKE-OFF OF MATERIALS.
10. SPRINKLER SYSTEM PIPING (ALL FEED MAINS AND BRANCH LINES) SHALL BE HYDRAULICALLY SIZED CONTRACTOR IS RESPONSIBLE FOR COORDINATING PIPING LAYOUT WITH BEAMS AND GUIDES, ALL DUCTWORK, DIFFUSERS, LIGHTING, FIXTURES, OTHER PIPING, ETC. SEE ARCHITECTURAL REFLECTED CEILING, PLANS AND DRAWINGS OF ALL RESPECTIVE TRADES.
11. CONTRACTOR SHALL NOT SCALE DRAWINGS.
12. IN AREAS WHERE THERE IS NO FINISHED CEILING OR BEAMS ARE EXPOSED, CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH STRUCTURE MEMBERS TO INSURE CODE COMPLIANCE.

GENERAL PLUMBING NOTES:

1. ALL DIMENSION AND FIELD CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT SITE. ALL NEW PIPING, EQUIPMENT, LOCATIONS, SIZES, SCALES, AND DIMENSION SHALL BE CHECKED AND VERIFIED AT SITE.
2. CONTRACTOR TO CHANGE LOCATION OF NEW PIPING, AS SHOWN, TO MEET FIELD CONDITIONS.
3. CONTRACTOR SHALL NOT SCALE DRAWINGS.
4. ANY PENETRATIONS OF THE CLG. WALLS OR FLOORS SHALL BE RESTORED TO THE ORIGINAL FIRE RATINGS, EXISTING CONDITIONS. SLEEVE, SEALED, AND ESCUTCHEONED..
5. CONTRACTOR SHALL LAYOUT HIS WORK FROM ACTUAL FIELD MEASUREMENTS AND ACTUAL DIMENSIONS OF EQUIPMENT INSTALLED, ALL PIPING AND EQUIPMENT OF ALL TRADES SHALL BE PROPERLY COORDINATED AND SET TO MAINTAIN REQUIRED CLEARANCES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL LOCATIONS SUBJECT TO APPROVAL OF ARCHITECT.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL WALLS, PARTITIONS, CEILING HEIGHTS, AND EQUIPMENT.
7. CONTRACTOR SHALL OBTAIN ALL DIMENSIONS AND STRUCTURAL AND ARCHITECTURAL DATA FROM THE ARCHITECTURAL DRAWINGS AND NOT FROM THE MECHANICAL DRAWINGS PRIOR TO BID SUBMITTED AND PERFORMING WORK TASK.
8. CONTRACTOR SHALL RUN LINES AS HIGH AS POSSIBLE. OFFSET TO FOLLOW THE CHANGE IN BUILDING ELEVATIONS.
9. CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE TO COORDINATE ALL CORE DRILLING WITH BUILDING OPERATIONS.
10. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS AND PLUMBING FIXTURES.
11. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
12. EXISTING WASTE, WATER, OR VENT LINES FOUND INADEQUATE IN OPERATION SHALL BE THE CONTRACTORS RESPONSIBILITY TO HAVE THESE SERVICES MADE USABLE.
13. PRIOR TO BID SUBMITTAL THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO VERIFY FLOOR PLAN SCALE OF MECHANICAL DRAWINGS PRIOR TO ANY QUALITATIVE TAKE - OFF OF MATERIAL.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	TYPE	SIZE	MANUFACTURER & MODEL NO.	COLOR	CARRIER	CONNECTIONS TRAP	SAN	VENT	CW	HW	REMARKS
WC1	WATER CLOSET	FLR MTD	STANDARD ELONG'D	TOTO DRAKE MODEL CST744S	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ WHITE CLOSED FRONT ELONGATED SEAT, CHURCH MODEL #130 (1.6 GAL. PER FLUSH). NOTE 1,2,10
WC1H	H.C. WATER CLOSET	FLR MTD	H.C. ELONG'D	TOTO DRAKE MODEL CST744L	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ WHITE CLOSED FRONT ELONGATED SEAT, AUTOMATIC FLUSH VALVE (1.6 GAL. PER FLUSH). NOTE 1,2,10,12
WC1A	WATER CLOSET	FLR MTD F. VALVE	STANDARD ELONG'D	AMERICAN STANDARD 2234.015	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ OLSONITE MODEL #95-SS SEAT & AUTOMATIC FLUSH VALVE (1.5 GAL. PER FLUSH). NOTE 1,2,10
WC1AH	H.C. WATER CLOSET	FLR MTD F. VALVE	H.C. ELONG'D	AMERICAN STANDARD 3043.102	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ OLSONITE MODEL 95SS SEAT & AUTOMATIC FLUSH VALVE (1.5 GAL. PER FLUSH). NOTE 1,2,10,12
UR1	URINAL	WALL HUNG	--	AMERICAN STANDARD ALLBROOK 1.0 6541.132	WHITE	WADE W-400	2"	3"	1 1/2"	1"	--	PROVIDE AUTOMATIC FLUSH VALVE (1.0 GAL. PER FLUSH) NOTE 11
LV1	LAVATORY	UNDER COUNTER	21 x 17	AMERICAN STANDARD 0497.221	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD MODEL 2385.400 TRIM NOTES 2,3
LV1H	LAVATORY	UNDER COUNTER	21 x 17	AMERICAN STANDARD 0497.221	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD MODEL 2385.400 TRIM & FULLY MOLDED, P-TRAP, ANGLE VALVE INSULATION. NOTES 2,3,14
LV1AH	H.C. LAVATORY	WALL HUNG	20 x 18	AMERICAN STANDARD 0355.012	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD MODEL 2385.400 TRIM & FULLY MOLDED, P-TRAP, ANGLE VALVE INSULATION. NOTES 2,3,14
TB1	BATHTUB & SHOWER	--	60 x 30 x 17	A/S MODEL 0163.060(RIGHT) A/S MODEL 0165.060(LEFT)	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ SYMMONS MODEL S-76-2-BF-X-LP & SLOAN, WATERPIK MASSAGE - SHOWERHEAD, ITEM# Z7ZNVL623CGP, CHROME BODY, NOTES 2, 6, 13
TB1H	BATHTUB & SHOWER	--	60 x 30 x 17	A/S MODEL 0163.060(RIGHT) A/S MODEL 0165.060(LEFT)	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ SYMMONS MODEL S-76-600-B30-X-LP & SLOAN, WATERPIK MASSAGE-SHOWERHEAD, ITEM# Z7ZNVL623CGP, CHROME BODY, NOTES 2, 6, 13
TB1AH	SHOWER FITTING	--	--	--	--	--	--	--	---	--	--	SYMMONS MODEL S-25-500-B30-X-LP, WATERPIK MASSAGE SHOWERHEAD, ITEM# Z7ZNVL623CGP, CHROME BODY, NOTES 2, 6, 13
SK1	LAUNDRY SINK	FLOOR MTD	23 x 24 x 13	AQUA GLASS MODEL 103000	--	--	2"	2"	1 1/2"	1/2"	1/2"	PROVIDE W/ CHICAGO MODEL 891 TRIM
SK2	SERVICE SINK	TERRAZZO	24 x 24 x 12	STERN WILLIAMS MODEL SB-902	--	--	2"	2"	1 1/2"	1/2"	1/2"	PROVIDE W/ CHICAGO MODEL 897 ROUGH FINISH & STERN WILLIAMS MODEL T-35
SK3	DOUBLE BOWL	DROP-IN	20 x 37	JUST MODEL DL-2037-A-GR	S.S.	--	3"	3"	1 1/2"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD MODEL 4205.429 TRIN & ISE PRO-333 DISPOSER
SK4	TRIPLE BOWL	DROP-IN	49 x 19	JUST MODEL TL-1949-A-GR	S.S.	--	3"	3"	1 1/2"	1/2"	1/2"	PROVIDE W/ (2) CHICAGO MODEL 527-HAB-E1-369 & JUST MODEL L35-316 TRIM & ISE PRO-333 DISPOSER
SK5	HAND SINK	WALL MTD	15 x 12	CRANE MODEL 1377V	WHITE	--	1 1/4"	2"	1 1/2"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD MODEL 2385.400 TRIM.
SK6	SINGLE BOWL	COUNTER TOP	15 x 15	JUST SB-1515-A-GR	--	--	1 1/4"	2"	1 1/2"	1/2"	1/2"	PROVIDE W/ CHICAGO 526CP TRIM
EWC	FOUNTAIN	WALL MTD	TWO LEVEL	ELKAY MODEL EZSTL8C	S.S.	--	2"	2"	1 1/2"	1/2"	1/2"	TWO LEVEL ADULT OR CHILD ADA MODEL
WMB	WASHER BOX	WALL MTD	8 x 5 x 4	SYMMONS MODEL W-600-X	--	--	2"	2"	1 1/2"	1/2"	1/2"	

NOTES:
1. PROVIDE WITH BOLT CAPS.
2. PROVIDE WITH CHROME ANGLE STOP(S) AND SUPPLY(S).
3. PROVIDE 1 1/4" CHROME "P" TRAP.
4. PROVIDE 1 1/4" OFF-SET TAIL PIECE.
5. PROVIDE HANDI-CAP PIPE INSULATION KIT ON EXPOSED CW/HW AND WASTE PIPING, EQUAL TO TRUEBRO LAVGUARD #101 W/ #105 OFF-SET TAIL PIECE.
6. PROVDE 1 1/2" CHROME "P" TRAP.
7. MOUNT AT HANDICAPPED HEIGHT.
8. PROVIDE W/ DEEP SEAL "P" TRAP.
9. PROVIDE W/ TRAP PRIMER SYSTEM. INSTALL VALVE IN NEAREST PROPERLY SIZED CW LINE OF CONSISTENT USAGE. PROVIDE ACCESS TO VALVES FOR MAINTENANCE.
10. REFER SPECIFICATION SECTION 15450 FOR FURTHER TRIM INFORMATION.
11. MOUNT SHOWER HEAD @ 72" ABOVE SHOWER FLOOR.
12. REFER PLUMBING PLANS FOR RIGHT OR LEFT HAND CONFIGURATIONS.
13. WATERPIK MASSAGE SHOWERHEAD ADA MODEL # Z7ZNVL653CGP.
14. PROVIDE AUTOMATIC FAUCETS.

GAS WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	STORAGE (GALLON)	TEMP. RISE °F	RECOVERY (G.P.H.)	INPUT	REMARKS	FLUE SIZE	AIR INTAKE
WH-1,2,3,4	A.O. SMITH	BTH-199	MECH RM.	100	100	230	199,000 GAS BTU	LO Nox	4"	4"

CIRCULATING PUMP SCHEDULE

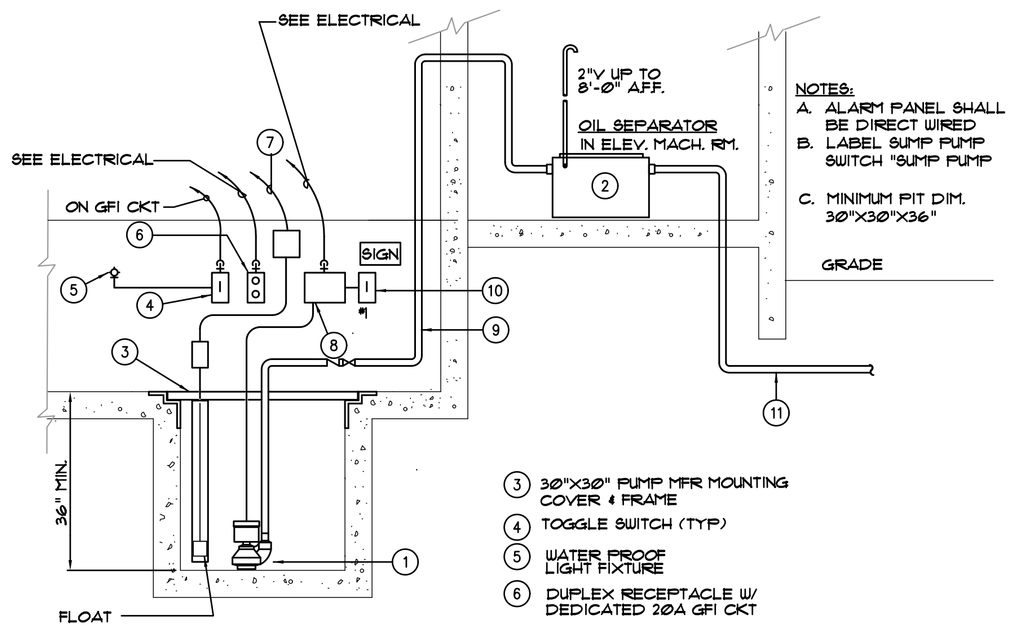
MARK	NO. REQD.	TYPE	SERVICE	ELECTRICAL V	PH	HP	GPM	HEAD FT.	MANUFACTURER & MODEL NUMBER
CP-1	SEE PLANS	IN LINE	WH-1,2,3,4	115	1	1/2	0-147	0-51	TACO MODEL #400-50B

WATER HAMMER/SHOCK ARRESTOR (SA) SCHEDULE

PDI UNIT TYPES	'A'	'B'	'C'	'D'	'E'	-	-	-	-	-	-	-	-
RANGE OF FIXTURE UNITS SERVED	1-11	12-32	33-60	114-154	155-330	-	-	-	-	-	-	-	-

THERMOSTATIC MIXING VALVE SCHEDULE

VALVE ASSEMBLY DESIGNATION/DESCRIPTION	TMV1	
LOCATION/SERVICE	WTR. HTR. CLST.	
HOT WATER INLET TEMP. (°F)	140°	
BLENDED WATER TEMP. (°F)	115°	
SENSING RANGE (GPM)	1-59	
PRESSURE DROP THRU SYSTEM (P.S.I.)	10	
MANUFACTURER MODEL NUMBER	LEONARD TM-186-12520-PRV	



1. DUPLEX SUBMERSIBLE SUMP PUMP: WEINMAN MODEL 228MG, 50 GPM @ 20 FT TDH 3/4 HP, 115/1, 1150 RPM, COMPLETE SQUARE STL MOUNTING COVER, WATERPROOF CABLES, FLOAT CONTROL ASSEMBLY, HIGH WATER ALARM CONNECTION
2. OIL SEPARATOR: ZURN MODEL Z-1186-B00, 50 GPM FLOW CAPACITY, 30-GAL WATER CAPACITY, 3" INLET/OUTLET, 171 LBS. 34"LX22"WX24"H.
3. 30"X30" PUMP MFR MOUNTING COVER & FRAME
4. TOGGLE SWITCH (TYP)
5. WATER PROOF LIGHT FIXTURE
6. DUPLEX RECEPTACLE W/ DEDICATED 20A GFI CKT
7. ALARM PANEL W/ WARNING HORN TO FIRE ALARM SYSTEM,
8. PUMP PANEL. PROVIDE A DEDICATED 20A CIRCUIT. (WIRE SIZE:(2) #8,#8GR, 3/4"C).
9. 3" PVC PIPING. TYPICAL.
10. H-O-A SWITCH FOR SUMP PUMP (SEE NOTE B)
11. CONNECT TO SANITARY

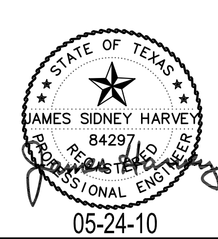
01 ELEVATOR SUMP PUMP SYSTEM
SCALE N.T.S.

FPWH	FREEZE PROOF WALL HYDRANT	JOSAM 71050 FREEZE-PROOF WALL HYDRANT WITH VACUUM BREAKER & LOOSE KEY CONTROL.SATIN BRONZE FINISH
FCO	FLOOR CLEANOUT	JOSAM 56040-2-22-41
GCO	GRADE CLEANOUT	JOSAM 56000-22
WCO	WALL CLEANOUT	JOSAM 58790
FD-1	FLOOR DRAIN	FIXT. TYPE: CAST IRON COMPLETE W/ DEEPS SEAL P-TRAP & BRONZE TOP WADE # 1100STD. 3" (U.O.N.)

GREASE INTERCEPTOR SCHEDULE

DESIGNATION	SERVICE	TYPE	LOCATION	CAPACITY	SIZE	WEIGHT
GT	GREASE WASTE	MOLDED POLYETHYLENE	UNDER SLAB	35 GPM, 160 LBS. GREASE CAPACITY	APPROXIMATELY 19"DIA X 35" HEIGHT	300 LBS.

NOTE: INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE COLLAR EXTENSION AS REQUIRED. BASED ON TRAPZILLA MODEL TZ-160 BY THERMACO, INC.



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