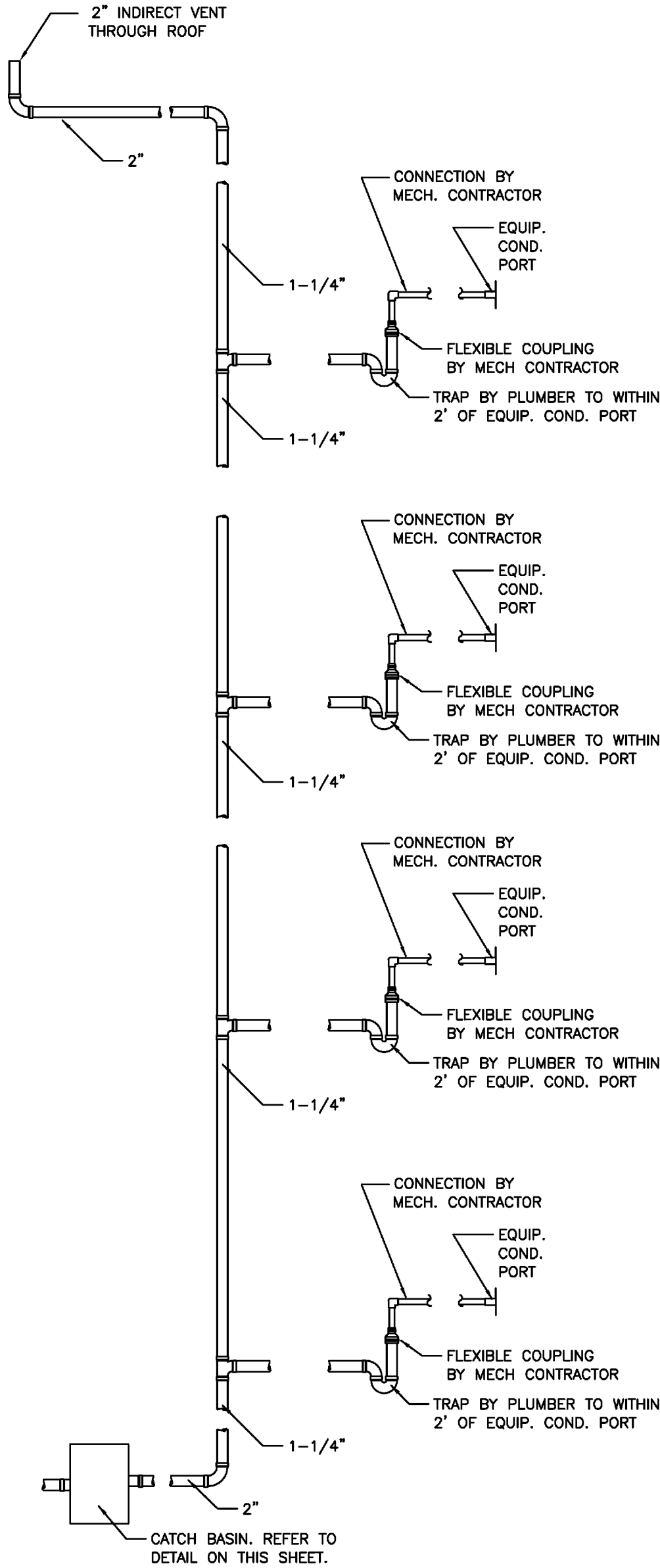


GENERAL PLUMBING NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING FOR BIDDING PURPOSES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND CONFIRM SPACE ALLOCATIONS.
2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS AND LOCATIONS OF FIXTURES.
3. PRIOR TO INSTALLATION OF BUILDING DRAIN, PLUMBING CONTRACTOR SHALL VERIFY THE DEPTH OF EXISTING SANITARY SEWER TAP (OR MAIN) AND ENSURE THAT NEW SANITARY SEWER WILL SLOPE AS REQUIRED FROM THE BUILDING DRAIN TO THE EXISTING SEWER TAP (OR MAIN).
4. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL, SPRINKLER AND MECHANICAL PLANS AND COORDINATE HIS WORK WITH ALL OTHER TRADES. NOTIFY ARCHITECT OF ANY CONFLICTS.
5. PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL EQUIPMENT SHALL BE U.L. LISTED AND NEMA RATED FOR THE APPLICATION IN WHICH IT IS INSTALLED.
6. PLUMBING CONTRACTOR SHALL FURNISH ALL ACCESS PANELS (TO BE INSTALLED BY GENERAL CONTRACTOR) REQUIRED FOR PLUMBING INSTALLATIONS.
7. FURNISH THE OWNER ONE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS, AND TWO SETS OF OPERATION AND MAINTENANCE MANUALS. INSTRUCT OWNER OR HIS AGENT IN THE PROPER OPERATION AND MAINTENANCE OF THE PLUMBING EQUIPMENT.
8. PLUMBING CONTRACTOR SHALL INCLUDE IN HIS BID ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, TAXES, AND OTHER COSTS IN CONNECTION WITH INSTALLING THE PLUMBING SYSTEM.
9. ALL WORK SHALL CONFORM TO STANDARDS OF GOOD WORKMANSHIP AND SHALL COMPLY WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. IN ADDITION, THE FOLLOWING SPECIFICATIONS WILL SUPERSEDE THE CODE:
10. ALL DRAINS, WASTES, AND VENTS (DWV) SHALL BE SCHEDULE 40 PVC BELOW GRADE, SCH 40 PVC ABOVE GRADE. IN THE MAKING OF JOINTS, PIPE ENDS SHALL BE CUT SQUARE, DEBURRED, AND THE OUTER EDGES BEVELED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
11. WATER PIPING BELOW SLAB SHALL BE TYPE "K" SOFT COPPER TUBING. COVER WITH A MINIMUM OF 6" OF SAND OR BACKFILL FREE OF ROCKS, FOREIGN MATERIAL, AND CLODS. JOINTS, IF REQUIRED, SHALL BE MADE WITH APPROVED WROUGHT COPPER FITTINGS AND BRAZED WITH A FILLER MATERIAL CONFORMING TO AWS A5.8. (PREFERABLY 15% SILVER SOLDER)
12. WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD COPPER TUBING. JOINTS SHALL BE MADE WITH APPROVED FITTINGS AND LEAD-FREE SOLDER (ASTM B32) AND FLUX (ASTM B 813). PIPE ENDS SHALL BE CUT SQUARE, DEBURRED, AND REAMED TO THE FULL INSIDE DIAMETER.
13. ALL HOT WATER MAINS AND RECIRCULATING LINES SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION, COLD WATER WITH 1/2" THICK INSULATION.
14. WATER PIPING AND DRAINAGE TRAPS IN EXTERIOR WALLS (OR CEILINGS) SHALL BE LOCATED WITHIN THE HEATED ENVELOPE OF THE BUILDING BETWEEN THE FINISHED INTERIOR WALL AND THE WALL INSULATION. INSULATE WATER PIPING IN EXTERIOR WALLS WITH 1" THICK FIBERGLASS INSULATION.
15. INSULATE ALL CONDENSATE TRAPS AND DRAINS (LOCATED IN AREAS WHERE CONDENSATION ON THE EXTERIOR OF PIPING COULD CAUSE DAMAGE TO BUILDING COMPONENTS) WITH 1/2" THICK FIBERGLASS INSULATION WITH VAPOR RETARDER.
16. ALL PIPING INSULATION SHALL BE INSTALLED BY A PROFESSIONAL INSULATION CONTRACTOR.
17. DO NOT RUN ANY WATER PIPING ABOVE ELECTRICAL PANELS (COORDINATE WITH ELECTRICAL CONTRACTOR).
18. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
19. ALL PENETRATIONS OF FIRE-RATED PARTITIONS SHALL BE FIREPROOFED BY A U.L. LISTED FIRE STOPPING SYSTEM INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
20. ALL VTR'S SHALL BE LOCATED A MINIMUM OF 10 FT FROM FRESH AIR INTAKES WHETHER OR NOT SHOWN ON PLANS. OFFSET ALL VTR'S AS REQUIRED.
21. COORDINATE FLASHINGS FOR VTR'S WITH ROOFING CONTRACTOR.
22. ALL PIPING AND VALVES SHALL BE LABELED.
23. ALL VALVES FOR HOT WATER RETURN SHALL HAVE MEMORY STOPS.

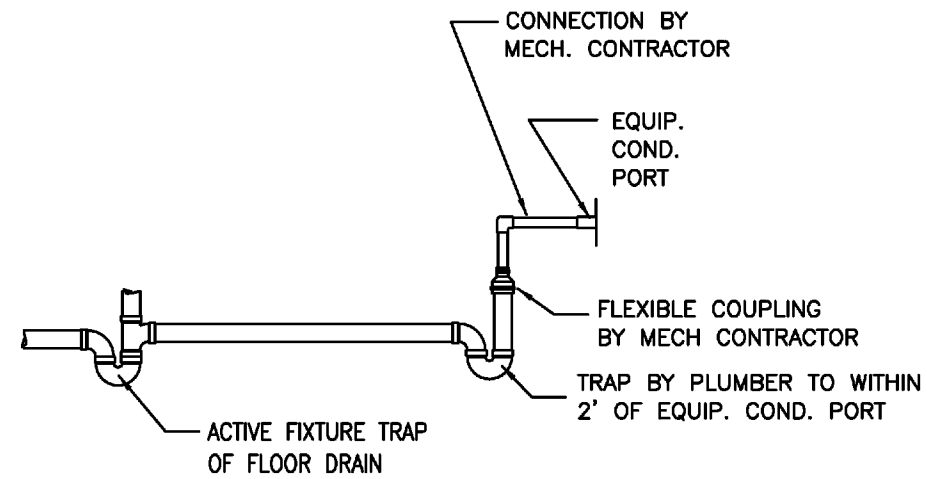
TRENCHING AND BACKFILLING:

1. TRENCHES SHALL HAVE 12" MINIMUM AND 24" MAXIMUM CLEARANCE ON ALL SIDES.
2. UNIFORM SLOPE SO THAT THE PIPING IS UNIFORMLY SUPPORTED THROUGHOUT ITS ENTIRE LENGTH OF UNDISTURBED SOIL. WHEN NECESSARY, TRENCHES SHALL BE UNDERCUT TO A DEPTH REQUIRED TO REACH STABLE SOIL AND FILLED TO THE FLOW LINE DEPTH WITH COMPACTED SAND.
3. MATERIAL AND CLODS. BACKFILL AND TAMP IN 4" LAYERS TO A HEIGHT AT LEAST 2" ABOVE PIPE. THE REMAINDER OF BACKFILL SHALL BE BROUGHT TO GRADE AND COMPACTED TO DENSITY OF SURROUNDING SOIL.



CONDENSATE DRAIN

SCALE: NONE



CONDENSATE DRAIN AT FLOOR DRAIN

SCALE: NONE

PLUMBING FIXTURE SCHEDULE

SEE ARCHITECTURAL PLANS FOR EXACT HEIGHT AND LOCATION OF ALL FIXTURES

SYMBOL	FIXTURE	MANUF.	BRASS	TRAP	SUPPLY	DESCRIPTION
WC-1	WATER CLOSET	KOHLER FLOOR MOUNTED			3/8"x1/2" ANGLE S. W/STOPS	K-3574-0 TANK TYPE WATER CLOSET, 1.6 GPF WITH CHURCH 380SLW WHITE ELONGATED, OPEN FRONT SEAT WITH LID AND STAINLESS STEEL CHECK HINGES
WC-2	HANDICAP WATER CLOSET	KOHLER FLOOR MOUNTED			3/8"x1/2" ANGLE S. W/STOPS	K-3609-0 TANK TYPE WATER CLOSET, 1.28 GPF, WITH CHURCH 380SLW WHITE ELONGATED, OPEN FRONT SEAT WITH LID AND STAINLESS STEEL CHECK HINGES
WC-3	WATER CLOSET	KOHLER FLOOR MOUNTED			1" FLUSH VALVE	K-4350-0 FLUSH VALVE TYPE WATER CLOSET, 1.6 GPF WITH CHURCH 2155CTJ WHITE ELONGATED, OPEN FRONT SEAT WITHOUT LID AND WITH STAINLESS STEEL CHECK HINGES
WC-4	HANDICAP WATER CLOSET	KOHLER FLOOR MOUNTED			1" FLUSH VALVE	K-4366-0 FLUSH VALVE TYPE WATER CLOSET, 1.6 GPF, WITH CHURCH 2155CTJ WHITE ELONGATED, OPEN FRONT SEAT WITH LID AND STAINLESS STEEL CHECK HINGES
U-1	URINAL	KOHLER WALL MOUNTED			3/4" FLUSH VALVE	K-4989-T-0 WASHOUT, WALL MOUNTED VITREOUS CHINA BOWL (COLOR WHITE) WITH SLOAN 186-YB-1 FLUSH VALVE. (PROVIDE WADE 400 FLOOR MOUNTED CARRIER)
U-2	HANDICAP URINAL	KOHLER WALL MOUNTED			3/4" FLUSH VALVE	K-4989-T-0 WASHOUT, WALL MOUNTED VITREOUS CHINA BOWL (COLOR WHITE) WITH SLOAN 186-YB-1 FLUSH VALVE. (PROVIDE WADE 400 FLOOR MOUNTED CARRIER)
L-1	LAVATORY	KOHLER K-2210-0		1 1/4" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	UNDERMOUNT VITREOUS CHINA BOWL, 17" X 14" X 4" INSIDE DEPTH. DELTA 520-SS-DST COUNTERTOP SINGLE HANDLE FAUCET. COORDINATE WITH VANITY TOP MANUFACTURER.
L-2	LAVATORY HANDICAPPED	KOHLER K-15182-F-G		1 1/4" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	UNDERMOUNT VITREOUS CHINA BOWL, 5 3/4" INSIDE DEPTH 7 1/8" OVERALL SIMILAR TO MARINA 169 BY WESTERN. COORDINATE WITH VANITY TOP MANUFACTURER. OFFSET DRAIN FOR H/C.
L-3	LAVATORY HANDICAPPED	KOHLER K-15182-F-G		1 1/4" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	#K-2505 21"x18" WALL HUNG LAVATORY WITH WADE CONCEALED ARM CARRIER MOUNTED AT HANDICAPPED HEIGHT
TB-1	BATH TUB	KOHLER K-715-0 K-P15601-X4N-CP AND K-P304-KS-NA		1 1/2" OR 2"	1/2" W/STOPS	LEFT HAND OR RIGHT AS REQUIRED, K-15136-CP TUB SPOUT AND K-10284-G SHOWER HEAD PROVIDE 17 GA. WASTE AND OVERFLOW
TB-2	ACCESSIBLE BATH TUB	KOHLER K-715-0 K-P15601-X4N-CP K-10284-G, K-355-G, K-9660-CP, K-P304-KS-NA, K-1536-CP,		1 1/2" OR 2"	1/2" W/STOPS	LEFT HAND OR RIGHT AS REQUIRED, TUB SPOUT, SHOWER HEAD, HAND HELD SHOWER, HOSE, WALL CONNECTION, VACUUM BREAKER & MIXING VALVE MOUNTED AT HANDICAP HEIGHT. DIVERTER VALVE, PROVIDE 17 GA. WASTE AND OVERFLOW. PROVIDE SEAT AND GRAB BARS.
SH-1	SHOWER UNIT	KOHLER K-T15621-X4-G K-304-KS-NA AND K-7397-G		2"		LEFT HAND OR RIGHT AS REQUIRED SHOWER HEAD AND FLOOR DRAIN.
SH-2	ROLL-IN SHOWER UNIT	KOHLER K-T15621-X4-G K-304-KS-NA, K-7397-G, K-10284-S, K-10286-G, K-9514-G, K-355-G, K-9660-CP,		2"		LEFT HAND OR RIGHT AS REQUIRED, ROLL-IN SHOWER, WALL MOUNTED SHOWER HEAD, HAND HELD SHOWER, SHOWER HOSE, WALL CONNECTION, VACUUM BREAKER & DIVERTER VALVE, MIXING VALVE MOUNTED AT HANDICAP HEIGHT. PROVIDE SEAT AND GRAB BARS AND FLOOR DRAIN. MOUNT CONTROLS & DIVERTER IN CENTER OF BACK WALL.
S-1	SINK	ELKAY DELTA 417-DST		1 1/2" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	BCR153 15" X 15" STAINLESS STEEL BARD SINK WITH DELTA 417-DST SINGLE HANDLE FAUCET.
EDF EDF-1	DRINKING FOUNTAIN	HALSEY TAYLOR (2) HRFR-Q BUBBLERS (1) SJB-Q CHILLER		1 1/4" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	(2) HRFR-Q BACK TO BACK - WALL MOUNTED ELECTRIC DRINKING FOUNTAIN W/SPROUT, ONE MTD. AT HANDICAP HEIGHT. WITH SJB-Q SINGLE CHILLER. STAINLESS STEEL FINISH.
WM-1	WASHING MACHINE	GUY GRAY		1 1/2" 17 GAUGE C.P.B.	3/8"x1/2" ANGLE S. W/STOPS	RESIDENTIAL TYPE WASHING MACHINE FURNISHED BY OWNER, INSTALLED BY PLUMBING CONTR. PER MANUFACTURERS RECOMMENDATIONS.
IM	ICE MACHINE					ICE MACHINE FURNISHED BY OWNER, INSTALLED BY PLUMB. CONTR. 2" INDIRECT WASTE. VERIFY SUPPLY W/OWNER.
MS-1	MOP SINK	E.L. MUSTEE 62M				MOP SINK W/TILED FLOOR, CURB & BASE & 18 GA STAINLESS STEEL WALL PANELS BY GC. PLUMB'G CONTR. TO FURNISH & INSTALL FLOOR DRAIN AND WALL MTD. 65.700 FAUCET ASSEMBLY
EW-1	EMERGENCY EYEWASH STATION	WESTERN			1" CW 1" HW	# W360BT WALL MOUNTED EYEWASH STATION. (NO VALVES IN SUPPLY LINES) TEMPERING VALVE

NOTES

1. FURNISH ESCUTCHEONS OR FLANGES (TO BE CHROME-PLATED BRASS OR STAINLESS STEEL) ON ALL WALL PENETRATIONS.
2. FURNISH ALL FIXTURES WITH REQUIRED SUPPLIES, STOPS, AND TRAPS. EXPOSED SUPPLIES, STOPS, & TRAPS SHALL BE CHROME-PLATED.
3. PROVIDE TRUEBRO LAV-GUARD OR LAV-SHIELD INSULATION KIT FOR ALL HANDICAPPED LAVATORIES WITH EXPOSED SUPPLIES AND DRAINS.
4. INSTALL ALL FIXTURES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND PLUMBING CODE.
5. SUPPORT FIXTURE SUPPLIES WITH EARED ELLS, HOLD-RITE BRACKETS, OR EQUIVALENT.
6. ALL FIXTURES MUST MEET WITH THE HOTEL STANDARDS.

DRAIN, CLEANOUT, AND HYDRANT SCHEDULE

TAG	FIXTURE	DESCRIPTION
NFWH	NON-FREEZE WALL HYDRANT	WOODFORD #B67 - 12" LENGTH - BRASS FINISH
FCO	FLOOR CLEANOUT	JONESPEC CO-2450
GCO	GRADE CLEANOUT	JONESPEC CO-2455 TO BE INSTALLED IN CONCRETE. PAD 2'X2'X4"
WCO	WALL CLEANOUT	JONESPEC CO-2530-SS5
FD-1	FLOOR DRAIN	JONESPEC FD-2280-PV3
FD-2	FLOOR DRAIN	JONESPEC FD-2280-PV3 WITH CAST IRON TOP AND SEDIMENT BUCKET
KD	KITCHEN DRAIN	JONESPEC FD-2280-PV3
RD	ROOF DRAIN	WADE W-3000,TY,53 CAST IRON WITH UNDERDECK CLAMP, CAST IRON DOME. W-3000SD FOR SECONDARY DRAINS.
SRD	ROOF DRAIN	WADE W-3000SD,TY,53 CAST IRON WITH UNDERDECK CLAMP, CAST IRON DOME STRAINER WITH 2" DAM.

TOP, PROVIDE 12" DEEP "DEEP SEAL" TRAPS ON ALL FLOOR DRAINS

PLUMBING LEGEND

-----	SANITARY DRAIN, WASTE, VENT
-----	INDIRECT WASTE
-----	CONDENSATE
-----	STORM DRAIN
-----	GREASY WASTE
-----	GREASE VENT
-----	CONDENSATE VENT
-----	COLD WATER
-----	HOT WATER
-----	HOT WATER RETURN
-----	BACKFLOW PREVENTER
-----	CLEANOUT TO GRADE
-----	FLOOR CLEANOUT
-----	VTR VENT THROUGH ROOF
-----	BACKFLOW PREVENTER
-----	HUB DRAIN
-----	FLOOR DRAIN



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