

PLUMBING SYMBOLS		
----- CW -----	COLD WATER	
----- HW -----	HOT WATER	
----- HWR -----	HOT WATER RETURN	
----- SS -----	SANITARY SEWER	
----- SD -----	STORM DRAIN	
..... V .....	VENT	
----- G -----	NATURAL GAS	
----- CD -----	CONDENSATE DRAIN	
----- OD -----	OVERFLOW DRAIN	
----- 8" RD -----	ROOF DRAIN	
----- HB-1 -----	HOSE BIBB	
----- CO-1 -----	CLEANOUT	
----- FD-1 -----	FLOOR DRAIN	
----- TEE -----	TEE	
----- ELL -----	ELL	
----- GATE VALVE -----	GATE VALVE	
----- ELL DOWN -----	ELL DOWN	
----- ELL UP -----	ELL UP	

GENERAL PLUMBING NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTINE FOR BIDDING PURPOSES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND CONFIRM SPACE ALLOWANCES.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS AND LOCATIONS OF FIXTURES.
- PRIOR TO INSTALLATION OF BUILDING DRAIN, PLUMBING CONTRACTOR SHALL VERIFY THE DEPTH OF EXISTING SANITARY SEWER TAP (OR MANHOLE) AND ENSURE THAT NEW SANITARY SEWER WILL SLOPE AS REQUIRED FROM THE BUILDING DRAIN TO THE EXISTING SEWER TAP (OR MANHOLE).
- PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL, SPRINKLER, AND MECHANICAL PLANS AND COORDINATE HIS WORK WITH ALL OTHER TRADES. NOTIFY ARCHITECT OF ANY CONFLICTS.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL EQUIPMENT SHALL BE UL LISTED AND NEMA RATED FOR THE APPLICATION IN WHICH IT IS INSTALLED.
- PLUMBING CONTRACTOR SHALL FURNISH ALL ACCESS PANELS (TO BE INSTALLED BY GENERAL CONTRACTOR) REQUIRED FOR PLUMBING INSTALLATION SPECIFICALLY IN DESK AT END OF GUEST RM. BATHTUBS.
- 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.
- PLUMBING CONTRACTOR SHALL INCLUDE IN HIS BID ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, TAXES, AND OTHER COST IN CONNECTION WITH INSTALLING THE PLUMBING SYSTEM.
- ALL WORK SHALL CONFORM TO STANDARDS OF GOOD WORKMANSHIP AND SHALL COMPLY WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
- WATER PIPING AND DRAINAGE TRAPS IN EXTERIOR WALLS (OR CEILING) 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.
- ALL PIPING INSULATION SHALL BE INSTALLED BY A PROFESSIONAL INSULATION CONTRACTOR.
- DO NOT RUN ANY WATER PIPING ABOVE ELECTRICAL PANELS (COORDINATE WITH ELECTRICAL CONTRACTOR.)
- SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
- ALL PENETRATIONS OF FIRE-RATED PARTITIONS SHALL BE FIREPROOFED BY A UL LISTED FIRE STOPPING SYSTEM INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 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.
- COORDINATE FLASHINGS FOR VTR'S WITH ROOFING CONTRACTOR.
- ALL VALVES FOR HOT WATER RETURN SHALL HAVE MEMORY STOPS.

TRENCHING AND BACKFILLING:

- TRENCHING SHALL HAVE 12" MINIMUM AND 24" MINIMUM CLEARANCE ON ALL SIDES.
- 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 FILLED TO THE FLOW LINE DEPTH WITH COMPACTED SAND.
- 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.

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	MANUF.	FAUCET	TRAP	SUPPLY	DESCRIPTION
WC-1	WATER CLOSET	KOHLER	--	--	3/4" x 1/2" ANGLE S. W/ STOPS	*K-3422 TANK TYPE WATER CLOSET, 1.6 GPF WITH BEMIS #1950 WHITE OPE NFRONT SEAT W/ LID AND STAINLESS STEEL CHECK HINGES.
WC-2	HANDICP WATER CLOSET	KOHLER	--	--	3/4" x 1/2" ANGLE S. W/ STOPS	*K-3427 TANK TYPE WATER CLOSET, 1.6 GPF WITH BEMIS #1950 WHITE OPE NFRONT SEAT W/ LID AND STAINLESS STEEL CHECK HINGES.
L-1	LAVATORY	WESTERN	KOHLER K-15182-F-G	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	UNDERMOUNT VITREOUS CHINA BOWEL, 5 1/2" INSIDE DEPTH 7 1/4" OVERALL SIMILAR TO MARINA 189 BY WESTERN. COORDINATE WITH VANITY TOP MANUFACTOR.
L-2	LAVATORY HANDICAP	WESTERN	KOHLER K-15182-F-G	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	UNDERMOUNT VITREOUS CHINA BOWEL, 5 1/2" INSIDE DEPTH 7 1/4" OVERALL SIMILAR TO MARINA 189 BY WESTERN. COORDINATE WITH VANITY TOP MANUFACTOR, OFFSET DRAIN FOR H/C.
L-3	LAVATORY HANDICAP	KOHLER	KOHLER K-15182-F-G	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	*K-2005 21"x18" WALL HUNG LAVATORY WITH WADE CONCEALED ARM CARRIER MOUNTED AT HANDICAPPED HEIGHT.
TB-1	BATH TUB	BRIGGS	KOHLER K-304-KS K-P15601-4Y-Q	1/2" OR 2"	1/2" W/ STOPS	5" STEEL TUB: BRIGGS # 2548, 2549 VERIFY LEFT OR RIGHT HAND TUB SURROUNDS BY MINCEY MARBLE *TS-DS MUST EXTEND TO CEILING. K-15136-CP TUB SPOUT & WATERPK SM621 SHOWER HEAD PROVIDE 17 GA. WASTE & OVERFLOW & ACC. PNL.
TB-2	ACCESSIBLE BATH TUB	BRIGGS	KOHLER K-304-KS K-T15621-4-CP	1/2" OR 2"	1/2" W/ STOPS	5" STEEL TUB: BRIGGS# 2548, 2549 VERIFY RIGHT OR LEFT HAND TUB SURROUNDS BY MINCEY MARBLE *TS-DS MUST EXTEND TO CEILING. K-15136-CP HAND SHOWER KIT K-483K TRANSFER VALVE, K-15136-CP TUB SPOUT & WATERPK SM621 SHOWER HEAD PROVIDE 17 GA. WASTE & OVERFLOW & ACC. PNL.
SH-1	SHOWER UNIT	STERLING	KOHLER K-T6910-4-A	1/2" OR 2"	1/2" W/ STOPS	STERLING VIKRELL SHOWER # 7213100-0 WITH CULTURED MARBLE SURROUNDS BY MINCEY MARBLE *TS-DS MUST EXTEND TO CEILING. K-8910-2A VALVE & WATERPK SM621 SHOWER HEAD, INTEGRAL SOAP HOLDERS, BRASS DRAIN W/ S.S. STRAINER, SHOWER HEAD PROVIDE 17 GA. WASTE.
S-1	HAND WASH SINK	KOHLER	DELTA #300	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	*K-2005 21"x18" WALL HUNG LAVATORY WITH WADE CONCEALED HEIGHT.
S-2	2 COMP. SINK	JUST	SYMMONS S-10-1	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	DLX2233 STAINLESS STEEL 2 COMP. SINK MAJESTIC SOUND DAMPENING UNDERCOAT.
S-3	PANTRY SINK	ELKAY	ELKAY 940TS08L2H (3 EA.)	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	ELKAY MODEL NO. RNSFB358LR, 13 1/2" DEPP BOWELS, 16 GUAGE 304 STAINLESS STEEL SCULLERY SINK WITH 8" HIGH BACKSPLASH, DRAIN BOARDS ON EACH SIDE 29 1/2" FRONT TO BACK, 97 1/2" OVERALL LENGTH, (3) LK-35-B CUP STRAINERS, NOTE: HAVE BACKSPLASH DRILLED FOR (3) FAUCETS. COORDINATE W/ ARCHITECTURAL PRIOR TO ORDERING.
S-4	BAR SINK	KOHLER	KOHLER K-15275-4	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	*BCRA-150-C 18"x35 20 GA BAR SINK, GOOSENECK SWING SPOUT, LK-58 SMALL BASKET STRAINER.
EDF-1	DRINKING FOUNTAIN	HALSEY TAYLOR	--	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	*HAC8FBL-Q WALL MOUNTED DUAL ELECTRIC DRINKING FOUNTAIN W/ SPOUT MTD. AT HANDICAP HEIGHT
WM-1	WASHING MACHINE	--	--	--	PIPE TO TRENCH DRAIN	COMMERCIAL WASHER/EXTRACTOR FURNISHED BY OWNER, INSTALLED BY PLUMBING CONTR. PER MANUFACTORS RECOMMENDATIONS.
WM-2	WASHING MACHINE	GUY GREY	--	1/2" 17" GUAGE C.P.B.	3/4" x 1/2" ANGLE S. W/ STOPS	RESIDENTIAL TYPE WASHER/EXTRACTOR FURNISHED BY OWNER, INSTALLED BY PLUMBING CONTR. PER VENDOR RECOMMENDATIONS.
IM	ICE MACHINE	--	--	--	1/2" WAL VALVE BOX 48" AFF	ICE MACHINE FURNISHED BY OWNER, INSTALLED BY PLUMB. CONTR. 2" INDRECT WASTE, VERIFY SUPPLY W/ OWNER.
MB-1	MOP SINK	FIAT	--	--	--	MOP SINK W/ TILED FLOOR, CURB & BASE & 18 GA. STAINLESS STEEL WALL PANELS BY G.C. PLUMB'G CONTR. TO FURNISH & INSTALL FLOOR DRAIN AND WALL MTD. FAUCET ASSEMBLY.
DEWH-1	DOMESTIC WATER HEATER	A.O SMITH	--	--	--	A.O. SMITH BTH-199 RATED 100 GALLON STORAGE, 199MBH PROVIDE THREE (3) EACH W/ B&G SERIES 80 CIRCULATING PUMP
DEWH-2	LAUNDRY WATER HEATER	A.O SMITH	--	--	--	A.O. SMITH BTH-300 RATED 130 GALLON STORAGE, 300MBH PROVIDE TWO (2) EACH W/ 180°F OUTLET TEMP.
TD-1	TRENCH DRAIN	WADE	--	--	--	WADE W-2920-H, 18"Wx48" LONG WITH 4" OUTLET CONNECTION.
MV-1	MIXING VALVE	POWERS	--	--	2 1/2" HW	POWERS HYDRO GUARD MODEL 434 RATED 55GPM AT 20psid PRESSURE DROP 140RATED HW/60INLET CW/ 10"OUTLET
U-1	URINAL	KOHLER	--	--	3/4" CW	KOHLER K-4960 WHITE CHINA URINAL WITH SLOAN FLUSH VALVE.
U-1A	H/C URINAL	KOHLER	--	--	--	SAME AS U-1 EXCEPT MOUNT AT ADA COMPLIANT HEIGHT, 17" AFF TO RIM.

NOTES:

- PROVIDE TRUEBRO LAV-GUARD OF LAV-SHIELD INSULATION KIT FOR ALL HANDICAPPED LAVATORIES WITH EXPOSED SUPPLIES AND DRAINS.
- INSTALL ALL FIXTURES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND PLUMBING CODE.
- SUPPORT FIXTURE SUPPLIES WITH DROP-EAR ELLS, HOLD-RITE BRACKETS, OR EQUIVALENT.
- ALL FIXTURES MUST MEET WITH THE APPROVAL OF HAMPTON/HILTON HOTEL INC. STANDARDS.

DRAIN, CLEANOUT, AND HYDRANT SCHEDULE		
TAG	FIXTURE	DESCRIPTION
HB-1	NON-FREEZE WALL HYDRANT	WOODFORD #87- 12" LENGTH
FCO	FLOOR CLEANOUT	JONESPEC CO-2450
CO-1	GRADE CLEANOUT	JONESPEC CO-2455 TO BE INSTALLED IN CONCRETE PAD 2'x2'x4"
WCO	WALL CLEANOUT	JONESPEC CO-2530-SS5
FD	FLOOR DRAIN	JONESPEC FD-2280-PV3

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