AC	AIR COMPRESSOR	HS	HOSE STATION
ACU AD	AIR CONDITIONING UNIT	HT HTG	HEIGHT HEATING
AFC	ABOVE FINISH CEILING	HVAC	HEATING, VENTILATION, AIR CON
AFF AFG		HW HWG	HOT WATER HOT WATER GENERATOR
AHJ	AUTHORITY HAVING JURISDICTION APPROXIMATE	HWR	HOT WATER RETURN HOT WATER STORAGE TANK
APPROX	ARCHITECT/ARCHITECTURAL	ID	INSIDE DIAMETER/DIMENSION
ARD BFF		KW LAV	KILOWATTS LAVATORY
BLDG	BUILDING	LF	LINEAR FEET
BTU BTUH			LIQUID PETROLEUM GAS LEAVING WATER TEMPERATURE
CAP CB	CAPACITY CATCH BASIN	MAX MBH	MAXIMUM THOUSAND BTU/PER HOUR
CD	CONDENSATE DRAIN	MDL	MODEL
CFH CFM	CUBIC FEET/HOUR CUBIC FEET/MINUTE	MECH MFR	MECHANICAL MANUFACTURER
CI	CAST IRON	MH	MANHOLE
CLG CO	CEILING CLEAN OUT	MIN MISC	MINIMUM MISCELLANEOUS
COL CONC	COLUMN CONCRETE	MTD NA	MOUNTED NOT APPLICABLE
CONN	CONNECT	NFPA	NATIONAL FIRE PROTECTION AS
CONST CONT	CONSTRUCTION CONTINUE	NTS OA	NOT TO SCALE OUTSIDE AIR
COTG CP	CLEAN OUT TO GRADE CIRCULATING PUMP	OD OFCI	OUTSIDE DIAMETER/DIMENSION OWNER FURNISHED CONTRACTO
CR	CONDENSATE RETURN		INSTALLED
CW DCOTG	COLD WATER DOUBLE CLEANOUT TO GRADE	PD PLBG	PRESSURE DROP
DD	DESICCANT DEHUMIDIFIER	PRESS	PRESSURE
DEG(°) DEMO	DEGREE DEMOLITION	PRV PSI	PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH
DF DIA	DRINKING FOUNTAIN	RA	RETURN AIR ROOF DRAIN
DS	DOWN SPOUT	REF	REFERENCE
DTL EFF		REQD REV	REQUIRED REVISION, REVISED
ELEC	ELECTRICAL	RM	ROOM
EQ		SC	REVOLUTIONS PER MINUTE STEAM CONDENSATE
EQUIP		SCH	SCHEDULE
EWT	ENTERING WATER TEMPERATURE	SK	SINK
EX, EXT EXP	EXISTING EXPANSION		STATIC PRESSURE SPECIFICATION(S)
FCO FD	FLOOR CLEANOUT	SS ST	SANITARY SEWER
FL	FLOW LINE	STL	STEEL
FLEX FLR	FLEXIBLE CONNECTION FLOOR		SUCTION TOTAL DYNAMIC HEAD
FPM	FEET PER MINUTE	TEMP	TEMPERATURE
FPRH FPWH	FREEZE PROOF ROOF HYDRANT FREEZE PROOF WALL HYDRANT		TOTAL HEAD THERMOSTATIC MIXING VALVE
FS G	FLOOR SINK GAS		THREE WAY MODULATING VALVE
GA	GAUGE	UL	UNDERWRITERS LABORATORY
GAL GALV	GALLON GALVANIZED	UR V	URINAL VENT
GI	GREASE INTERCEPTOR	VEL	VELOCITY
GPH GPM	GALLONS PER HOUR GALLONS PER MINUTE	VERT VLV	VERTICAL VALVE
GT GWH	GREASE TRAP GAS WATER HEATER	VOL VTR	VOLUME VENT THROUGH ROOF
HB	HOSE BIBB	WC	WATER CLOSET
HP HR	HORSE POWER HOSE REEL	WCO WP	WALL CLEANOUT WORKING PRESSURE
HRWH	HEAT RECLAIM WATER HEATER GENERAL PLUM		WATER BOLS
			SHOWN ON PLANS
			V// Y/ VRINII / VI/ V / Y
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PIPING LEGEND OSE STATION (E) EXISTING PIPE TAG EIGHT EATING EATING, VENTILATION, AIR COND. CW DOMESTIC COLD WATER IOT WATER DEIONIZED WATER IOT WATER GENERATOR FILTERED COLD WATER IOT WATER RETURN HOT WATER 120°F IOT WATER STORAGE TANK ISIDE DIAMETER/DIMENSION HOT WATER 120°F RECIRCULATION LOWATTS NATURAL GAS VATORY NATURAL GAS-2 PSI NEAR FEET QUID PETROLEUM GAS NATURAL GAS-5PSI EAVING WATER TEMPERATURE COMPRESSED AIR AXIMUM ACID VENT HOUSAND BTU/PER HOUR ACID WASTE ODEL CONDENSATE DRAIN ECHANICAL ANUFACTURER GREASE WASTE ANHOLE OIL WASTE INIMUM PUMP DISCHARGE ISCELLANEOUS OUNTED COMBINATION SANITARY & VENT NOT APPLICABLE SANITARY SEWER ATIONAL FIRE PROTECTION ASSO. SANITARY VENT NOT TO SCALE SD STORM DRAIN JTSIDE AIR JTSIDE DAMETER/DIMENSION ASD STORM DRAIN OVERFLOW/AUXILLARY WNER FURNISHED CONTRACTOR STALLED PRESSURE PIPE SYMBOLS ESSUREDROP UMBING RESSURE —PIPE DROP RESSURE REDUCING VALVE -PIPE ELBOW OUNDS PER SQUARE INCH -----PIPE CAP ETURN AIR OOF DRAIN -PIPE RISE EFERENCE EQUIRED <u> GRAVITY PIPE SYMBOLS</u> EVISION, REVISED -PIPE RISE -----PIPE CAP EVOLUTIONS PER MINUTE -PIPE WYE 8TH TEE TEAM CONDENSATE -PIPF TFF CHEDULE -PIPE DROP ECTION -PIPE CROSS TATIC PRESSURE -PIPE PLUG PECIFICATION(S) **NITARY SEWER** PIPE ACCESSORIES TEAM 3-WAY MOTORIZED CONTROL VALVE SUCTION OTAL DYNAMIC HEAD --------- 3-WAY MIXING VALVE EMPERATURE BALANCING VALVE OTAL HEAD BALL VALVE HERMOSTATIC MIXING VALVE BUTTERFLY VALVE HREE WAY MODULATING VALVE PICAL NDERWRITERS LABORATORY ELBOW VALVE RINAL GLOBE VALVE ELOCITY ERTICAL PRESSURE REDUCING VALVE OLUME PLUG VALVE ENT THROUGH ROOF SOLENOID VALVE VATER CLOSET VALL CLEANOUT ORKING PRESSURE STRAINER-WYE ATER STRAINER-WYE WITH BLOWOFF VALVE DUCTWORK LEGEND SHOWN ON PLANS CONNECTS TO CONCENTRIC FLUE COMBUSTION AIR INDICATED EXHAUST AIR ON SHEET VHERE DETAIL DROP 😧 🚺 🐼 ROUND CONCENTRIC FLUE AIR DUCT DROP 😧 🛛 🐼 ROUND COMBUSTION AIR DUCT RISE DROP 🐼 🛛 🚫 ROUND EXHAUST AIR DUCT RISE 90° BEND, ROUND DUCT **IBER** 45° BEND, ROUND DUCT PLUMBING TAGS <u>PIPE TAG</u> —APPROX. INVERT ELEVATION —INVERT: -3' - 5" 🛛 🛩 6" SS (10 FU) SIZE, SYSTEM, FU FLOW FIXTURE TAG R MORE INFO. -4" FS-9 - OUTLET SZE AND FIXTURE IDENTITY ORTANCE FACTORS -FIXTURE IDENTITY WATER 140°F): 1.0 IDENTITY AND FIXTURE UNIT IAN 120°F): 1.0 3 WFU D FOR THE PLUMBING PLUMBING SHEET SET NOTE * NOTE * LUMBING EQUIPMENT/ FIXTURES ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER NEW CONSTRUCTION)

DRAWINGS IN THIS SET. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THE CONTAINED REFERENCE

DRAWINGS.

PLUMBING GENERAL NOTES

- ALL PLUMBING SYSTEMS SHALL BE INSTALLED AS PER SPECIFICATIONS AND GOVERNING CODES. 2 ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC OFFSET, FITTING OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION
- ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE CONTRACTORS OPTION.
- INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.
- 5 CONTRACTOR SHALL PAY ALL UTILITY FEES & CHARGES AS PART OF BASE BID IN THE CONTRACT.
- 7 THE CONTRACTOR SHALL COORDINATE UTILITY LOCATIONS, SIZES AND INVERT ELEVATIONS PRIOR TO SEE SITE UTILITY DRAWINGS FOR CONTINUATION OF ALL SERVICE LINES.
- PRIOR TO CONSTRUCTION.
- EXPOSED, CHROME PLATED PIPE SHALL BE USED.
- PLUGS. LINES AT MIN. (1%) 1/8" FALL PER FT. AND 8" AND LARGER DWV LINES AT MIN. (.5%) 1/16" FALL PER FT. BE 12" ABOVE THE TOP OF THE SEWER LINE, AT ITS HIGHEST POINT, IF PLACED IN SAME TRENCH.
- AND PROPER APPLICATIONS OF SAME.
- FINISH FLOOR AT THE BASE OF EACH STACK. 15 WHERE WATER PRESSURES EXCEED 70 PSI, PROVIDE WATER PRESSURE REDUCING VALVES (PRV)
- MANUFACTURER INFORMATION FOR ACCEPTABLE PRESSURE REQUIREMENTS.
- APPROVED DEVICES. FIRE STOP ALL PIPE PENETRATIONS THRU RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, RATINGS AND FIRE STOPPING DETAILS. 17 DO NOT ROUTE ANY PIPING OVER ELEC. ROOMS, COMPUTER ROOMS, OR ELEC. PANELS.
- SPECIFIED BY ARCHITECT
- ELECTRICAL CONTRACTOR AND ENGINEER.
- 20 UNLESS OTHERWISE INDICATED, DO NOT ROUTE WATER PIPING IN EXTERIOR WALLS. WHEN ROUTED IN INSULATION.
- 21 MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES, OPERABLE WINDOWS AND FLUES, PLUMBING VENTS AND GAS REGULATORS.
- CONSTRUCTION. ALL TRAPS SHALL BE CLEANED AND PRIMED AT END OF CONSTRUCTION.
- 23 ALL PIPE DROPS FROM CEILING PLENUM TO FLOOR SHALL BE MADE IN FURROUTS AT COLUMNS, IN WEB OF BEAMS AT COLUMNS OR IN WALLS. PIPING SHALL BE CONCEALED UNLESS APPROVED BY ARCHITECT.
- 24 PROVIDE WATER HAMMER ARRESTORS IN FIXTURE BRANCHES WHERE QUICK CLOSING VALVES ARE INSTALLED; i.e., FLUSH VALVES, ICE MAKERS, DISHWASHERS, ETC.
- 25 BELOW SLAB WATER PIPE TO BE TYPE K SOFT DRAWN COPPER WITHOUT FITTINGS OR JOINTS. SLEEVE IN ENTIRETY WITH ARMAFLEX OR APPROPRIATE POLYETHYLENE SLEEVE MATERIAL 26 PROVIDE APPROVED BACKFLOW PREVENTION OR ANTI-SIPHON DEVICES AT ALL FIXTURES THAT COULD
- CONTAMINATE THE POTABLE WATER SYSTEM.
- 27 INSULATE ALL WATER, CONDENSATE, STORM DRAIN PIPING (VERTICAL AND HORIZONTAL) AND ROOF DRAIN BODIES ABOVE FINISH FLOOR. SEE SPECIFICATIONS FOR THICKNESS SCHEDULE.
- REQUIREMENTS. THE BID PRICE (SEE NOTE 7 ABOVE). COORDINATE RETURN AIR PLENUM LOCATIONS AND ANY NOTED DISCREPANCIES FROM THE PLANS WITH MECHANICAL ENGINEER PRIOR TO BID.
- ACCESSIBLE AND SHALL BE VERIFIED WITH EQUIPMENT LAYOUT FOR INTERFERENCES.
- PER MANUFACTURER'S INSTRUCTIONS. 32 DOMESTIC WATER SERVICE PIPING AND FITTINGS; E.G., CHECK VALVES, RPZA, SHUT-OFF VALVES, STRAINERS,

INTERNALLY EPOXY COATED.

RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE-VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL

3 BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (HVAC, ELECTRICAL, STRUCTURAL ETC.). IF ALTERNATE MANUFACTURERS, FUEL SOURCES, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF

4 EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM. REGARDLESS OF WHETHER OR NOT THIS

6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES; i.e. ARCHITECTURAL, HVAC, ELECTRICAL, STRUCTURAL, FIRE PROTECTION AND CIVIL PRIOR TO CONSTRUCTION. CONSTRUCTION; i.e., SANITARY SEWER, STORM DRAIN, FIRE PROTECTION, DOMESTIC WATER AND NATURAL GAS. ALL SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, EXCEPT WHERE SHOWN OTHERWISE.

8 PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP OR BATTERY OF FIXTURES IN THE DOMESTIC CW, HW, HWR AND GAS PIPING. VALVES SHALL BE EASILY ACCESSIBLE. WHERE HARD CEILINGS ARE LOCATED, VALVES SHALL BE ACCESSED THROUGH ACCESS PANELS. ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECT

9 PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES ON BOTH HOT AND COLD WATER SUPPLY LINES. VALVES. ESCUTCHEONS, FITTINGS, ETC., SHALL BE CHROME PLATED AND INSTALLED TIGHT TO WALL. WHERE PIPING IS

10 ALL EXPOSED OR ACCESSIBLE P-TRAPS SHALL BE CHROME PLATED AND PROVIDED WITH BOTTOM CLEANOUT

11 SLOPE 2-1/2" AND SMALLER DRAIN WASTE AND VENT (DWV) LINES AT MIN, (2%) 1/4" FALL PER FT., 3" TO 6" DWV SANITARY SEWER AND WATER SHALL BE A MINIMUM OF 10' APART OR THE DOMESTIC WATER SERVICE SHALL

12 PROVIDE ALL FITTINGS, TRANSITIONS, COUPLINGS, ADAPTERS, UNIONS, AND OTHER ACCESSORIES NEEDED TO COMPLETE CONNECTIONS AND PROPER OPERATIONS OF PLUMBING FIXTURES AND PLUMBING EQUIPMENT. 13 REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT.

14 PROVIDE CLEANOUTS IN ALL SEWERS. WHETHER SHOWN OR NOT, AT INTERVALS NOT TO EXCEED 50 FEET, AT EACH CHANGE OF DIRECTION GREATER THAN 45°, AND ALL VERTICAL STACKS AT A HEIGHT OF 30" ABOVE

CONFORMING TO ASSE 1003 WITH STRAINER IN WATER SUPPLY LINES, SETTING AT 70 PSI. SEE CODE AND

16 ALL PIPING PENETRATIONS OF THE RATED CEILING AND WALL MUST BE MADE WITH METAL PIPE OR UL LISTED

18 INSTALL AN AGA LISTED NATURAL GAS COCK. DIRT LEG AND UNION IMMEDIATELY UPSTREAM OF EQUIPMENT CONNECTIONS. AS NOTED ON DRAWINGS PROVIDE AN AGA LISTED VENT LIMITING GAS REGULATOR. GAS REGULATORS SHALL NOT BE INSTALLED IN AIR PLENUMS (SEE HVAC PLANS FOR AIR PLENUM LOCATIONS). PAINT ALL NATURAL GAS PIPING WITH TWO COATS OF OIL BASED YELLOW PAINT IN ALL LOCATIONS NOT

19 ALL DOMESTIC WATER PIPING ROUTED IN AREAS SUBJECT TO FREEZING TEMPERATURES SHALL BE ROUTED BELOW INSULATION AND WITHIN THE HEATED ENVELOPE OF THE BUILDING. WHERE PIPING CAN NOT BE ROUTED BELOW INSULATION, PIPING SHALL HAVE 5 WATT/FT HEAT TRACING ATTACHED. SEE ARCHITECTURAL DRAWINGS FOR INSULATION PLACEMENT AND DETAILS. COORDINATE ELECTRICAL REQUIREMENTS WITH

EXTERIOR WALLS, CAREFULLY POSITION WATER PIPING ON THE HEATED SIDE (INTERIOR SIDE) OF THE WALL

22 ALL STORM DRAIN, CONDENSATE DRAIN, SEWER & VENT PIPING SHALL BE RODDED AND CLEANED AT END OF

28 INSULATE ALL EXPOSED HOT WATER & DRAIN PIPING FOR ACCESSIBLE FIXTURES PER ANSI A117.1 AND ADA

29 ALL EXPOSED MATERIALS WITHIN RETURN AIR PLENUMS (EXISTING AND NEW) SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 OR A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50, AS DETERMINED IN ACCORDANCE WITH ASTM E84 AND U.L. LISTINGS. IF ANY MATERIALS (EXISTING OR NEW) DO NOT MEET THESE STANDARDS. THE ITEMS SHALL BE ENCLOSED IN A GYPSUM-BOARD ENCLOSURE, BE REPLACED WITH PLENUM RATED MATERIALS (I.E. CAST IRON), OR BE WRAPPED WITH AN APPROVED FIRE RATING MATERIAL, SUCH AS 3M FYRE WRAP. PLASTIC PIPING (PVC, ABS, AND CPVC) IS NOT APPROVED TO BE INSTALLED WITHIN RETURN AIR PLENUMS. BY NECESSITY, WE HAVE NOTED AS MANY AREAS AS POSSIBLE ON THE PLANS WHERE THESE CONDITIONS OCCUR, BUT IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING CONDITIONS (WHETHER SHOWN ON THE PLANS OR NOT) AND INCLUDE THE REPLACEMENT/WRAPPING OF THESE ITEMS IN

30 FLOOR DRAINS IN MECHANICAL ROOMS ARE SHOWN FOR GENERAL LOCATION ONLY. FLOOR DRAINS SHALL BE 31 AN APPROVED TRAP SEAL DEVICE CONFORMING TO ASSE 1072 SHALL BE INSTALLED AT ALL FLOOR AND HUB

DRAINS. ALL DRAINS SHALL HAVE DEEP SEAL TRAPS, 4" DEEP SEAL MINIMUM. INSTALL TRAP GUARD DEVICES

PRESSURE REGULATORS, ETC. SHALL COMPLY WITH NSF 61 CRITERIA. ALL CAST IRON EQUIPMENT IS TO BE

ADA REQUIREMENTS

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17"-19" MEASURED FROM THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG OR RETURN TO A LIFTED POSITION THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 29" ABOVE FINISHED FLOOR. SEE ARCHITECTURAL SHEETS FOR GRAB BAR LOCATIONS.

URINALS: THE URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17" ABOVE FINISHED FLOOR. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISHED FLOOR.

LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISHED FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM THE BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE FINISHED FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

FAUCETS-SHOWER CONTROLS: CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 lbf.

SHOWERS: A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36"x36". THE SEAT SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE CONTROLS AND 17"-19" FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. SHOWER CONTROLS SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE SEAT AND SHALL BE LOCATED ON THE SAME WALL AS THE SHOWER HEAD, AT A MINIMUM HEIGHT OF 38" AND A MAXIMUM HEIGHT OF 48". IN ADDITION TO THE FIXED SHOWER HEAD, PROVIDE A HAND HELD SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A SHOWER HEAD AND AS A HAND HELD SHOWER HEAD. IN A 30"x60" SHOWER UNIT A FOLDING SEAT SHALL BE PROVIDED, AND SHALL BE MOUNTED ON THE WALL ADJACENT TO THE CONTROLS. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

SINKS: SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 6-1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER SINKS SHALL BE PROVIDED WITH INSULATING FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

DRINKING FOUNTAINS-WATER COOLERS: WHEN INSTALLING A HI-LO ACCESSIBLE FOUNTAIN MOUNT THE LOWEST SPOUT AT NO MORE THAN 36" ABOVE FINISHED FLOOR AND THE HIGH SPOUT AT 40" ABOVE FINISHED FLOOR. SPOUT SHALL BE AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A WATER FLOW OF AT LEAST 4" HIGH. THE CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 lbf. WALL MOUNTED UNITS SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FINISHED FLOOR OF 27" HIGH, 30" WIDE, AND 17"-19" DEEP. FOUNTAINS SHALL NOT PROTRUDE MORE THAN 4" INTO WALKWAYS.



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