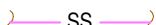


PLUMBING GENERAL NOTES

1. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE A HARD SUSPENDED CEILING.
2. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, CLEANOUTS, CONTROLS, ETC. COORDINATE LOCATION OF PANELS WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
3. ALL PIPE ROUTING AND CONSTRUCTION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC IN NATURE AND MAY NOT BE SHOWN IN EXACT LOCATION OR ALIGNMENT. ANY ITEMS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM, THE CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING PER THIS PROJECT CONSTRUCTION PRACTICE IN THE MOST EFFICIENT WAY POSSIBLE WHILE NOT BEING OBSTRUCTIVE TO THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALLATION WITH THE WORK OF OTHER TRADES. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING NEEDED DUE TO OBSTRUCTIONS OR TIME CONSTRAINTS SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.
4. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER WITH STANDARD OF CARE FOR PROFESSIONAL. LAB. AND MATERIAL. TOOLS, PERMITS, INSPECTIONS, TESTING, CERTIFICATION, ETC. REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION TO DESIGN INTENT SHALL BE FURNISHED BY CONTRACTOR. PROVIDE, AT AN ADDITIONAL COST, INCLUDING INCIDENTAL ITEMS NOT SHOWN WHEN REQUIRED FOR PROJECT COMPLETION AND/OR TESTING.
5. DRAWINGS NOT BEARING THE STAMP OR SEAL AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION PURPOSES UNLESS EXPRESSLY APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DRAWINGS AND SPECIFICATIONS ARE USED FOR BIDDING AND CONSTRUCTION PURPOSES. THE LATEST REVISION AVAILABLE AND ALL ADDENDUM DOCUMENTS HAVE BEEN INCORPORATED EITHER BY REVISION RELEASE OF DRAWINGS SPECIFICATIONS OR ATTACHMENT OF SKETCHES OR OTHER ADDENDUM INFORMATION.
6. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL NEW PRODUCTS OF ESTABLISHED AND REPUTABLE MANUFACTURERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS FOR IN-PLACE OR IN-PLACE SERVICE. THE CONTRACTOR SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
7. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO, CITY, STATE AND FEDERAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE RULES, REGULATIONS, AND ORDINANCES. THESE CODES REPRESENT THE MINIMUM ACCEPTABLE REQUIREMENTS THEREFORE, WHERE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION MORE STRINGENT THAN CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN.
8. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
9. ALL DOMESTIC WATER PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSİ SAFETY CODE AND BE FREE FROM ALL DEFECTS. TEST AND BE PROVED BY PRESSURE TEST.
10. STERILIZE THE ENTIRE WATER DISTRIBUTION SYSTEM PER THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
11. DOMESTIC WATER SYSTEM, WASTE, SLOI, AND VENT SYSTEM SHALL BE TESTED PER LOCAL AUTHORITY HAVING JURISDICTION. TEST AND OBTAIN APPROVAL OF ALL UNDERGROUND PIPING FROM ADMINISTRATIVE AUTHORITY HAVING JURISDICTION PRIOR TO COVERING WORK.
12. PLUMBING CONTRACTOR SHALL PROVIDE INITIAL START UP OF ALL SYSTEMS INCLUDED IN THE PLUMBING WORK.
13. ALL EXPOSED PIPING BELOW LAVATORY'S DESIGNATED AS HANDICAPPED SHALL BE TOTALLY INSULATED.
14. NO NON DRAINAGE PIPING SHALL BE RUN LEVEL AND GENERALLY FREE OF TRAPS AND UNNECESSARY BENDS, ARRANGED TO CONFORM TO THE BUILDING REQUIREMENTS AND TO SATİSFAİ THE NECESSITIES OF CLEARANCES FOR OTHER MECHANICAL WORK. PROVIDE VALVE UNARMED TO ACCESS IN AREAS OF PIPING WHICH WOULD BE UNAVAILABLE DURING MAINTENANCE OR REPAIRS.
15. ALL EQUIPMENT, PUMPS, ETC. SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
16. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF FITS AND EQUIPMENT.
17. PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT TO ALLOW DISASSEMBLY FOR MAINTENANCE. ARRANGE TO PROVIDE TO FULL SCALE MOTOR OR EQUIPMENT PENETRATIONS INTO FINISHED ROOMS.
18. PROVIDE EIGHT SCHEMATIC FOR EXPOSED PIPING PENETRATIONS INTO FINISHED ROOMS.
19. PIPING, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL SWITCH GEARBOARDS, PANELBOARDS, PANELS, OR CONTROLS, SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE OR DEDICATED SPACES OF THE ELECTRICAL EQUIPMENT, EXTENDING IN FRONT OF AND FROM FLOOR TO FLOOR, INCLUDING A WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC-110.9.
20. A WATER HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NEW FIXTURE / EQUIPMENT.		BALL VALVE
	NEW PIPING		GATE VALVE
	SANITARY SEWER (SS)		CHECK VALVE
	VENT (V)	P-1	PLUMBING FIXTURE / EQUIPMENT DESIGNATION
	COLD WATER (CW)	FD	FLOOR DRAIN
	HOT WATER (HW)	VTR	VENT THRU ROOF
	HOT WATER RETURN (HWR)	WCO	WALL CLEANOUT
		DOOTG	DOUBLE CLEANOUT TO GRADE
			RISER DESIGNATION
			CONNECT TO EXISTING.
			POINT OF DEMOLITION.
			REVISION DELTA

WATER HAMMER ARRESTOR SCHEDULE						
P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
P.D.I.-WH201".						
APPROVED MANUFACTURERS:						
1. ZURN, WADE, J.R. SMITH, JOSAM, MIFAB						