INSULATION SCHEDULE (c)

TYPE	EQUIPMENT OR SYSTEM SERVED	INSULATION CLASS (a)			JACKETING CLASS (b)			THICKNESS (IN) NOMINAL PIPE SIZE (IN)			
		INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	.5 - 1.5	2 - 4	5 - 6	8 & UP
A	CW	FG	- -	- -	1	- -	- -	0.5	0.5	0.5	0.5
		- -	FG	- -	- -	1 & 4	- -	0.5	0.5	0.5	0.5
B	HW	FG	- -	- -	1	- -	- -	1	1	1.5	1.5
		- -	FG	- -	- -	1 & 4	- -	1	1	1.5	1.5

(a) FG - - FIBROUS GLASS
FE - - FLEXIBLE ELASTOMERIC
UR - - URETHANE
CS - - CALCIUM SILICATE
CF - - CERAMIC FIBER

(b) 0 - - NONE
1 - - ALL SERVICE
2 - - ALUMINUM FOIL
3 - - CANVAS
4 - - POLYVINYL CHLOIRDE (WHERE SUBJECT TO ABUSE OR SPECIFICALLY INDICATED)
5 - - STAINLESS STEEL
6 - - ALUMINUM
7 - - EPDM

(c) INSULATION TYPE, JACKETING & THICKNESS FOR EQUIPMENT SHALL MATCH THE CORRESPONDING PIPING SYSTEM'S PARAMETERS LISTED FOR: EQUIPMENT ROOMS, NOMINAL PIPE SIZE 8" AND LARGER

PLUMBING FIXTURE SCHEDULE

FIXTURE #	SERVICE CONNECTION				MANUFACTURER AND EQUIPMENT	MODEL NO.	REMARKS
SINKS	S/W	V	CW	HW			
P-414	1 1/2"	1 1/2"	3/8"	3/8"	AMERICAN STANDARD: LUCERENE TRIM: AMERICAN STANDARD HERITAGE DRAIN: AMERICAN STANDARD	SINK: 0355-012 TRIM: 7402.172H OR APPROVED EQUAL	PROVIDE FIXTURE CARRIER, GRID DRAIN 1.5 GPM LAMINAR FLOW CONTROL DEVICE OFFSET DRAIN AND SHROUD ENCLOSURE
P-528	1 1/2"	1 1/2"	3/8"	3/8"	TRIM: AMERICAN STANDARD HERITAGE DRAIN: AMERICAN STANDARD	TRIM: 7402.172H OR APPROVED EQUAL	INTEGRAL COUNTERTOP SINK PROVIDE 1.5 GPM LAMINAR FLOW CONTROL DEVICE

NOTES:

A. COORDINATE INSTALLATION OF PLUMBING FIXTURES WITH THE GENERAL CONSTRUCTION DIVISION.

B. THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES SHALL BE AS PER THE ARCHITECTURAL DRAWINGS.

C. ALL SINKS AND LAVATORIES THAT ARE HANDICAPPED ACCESSIBLE SHALL BE PROVIDED WITH THERMAL AND IMPACT INSULATION/SHIELDING KITS ON SUPPLIES, TRAPS, TAILPIECES AND WASTE OUTLETS.

D. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

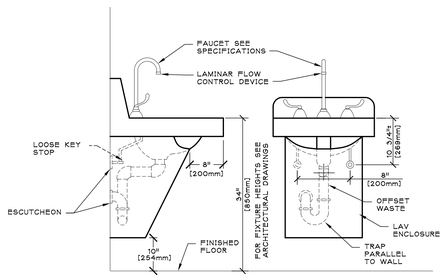
E. ALL QUICK OPENING VALVES INCLUDING FLUSH VALVES SHALL HAVE SHOCK ARRESTERS PROVIDE WITH ACCESS PANEL WHERE INSTALLED IN CONCEALED SPACES.

GENERAL PLUMBING NOTES:

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT. HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURERS EQUIPMENT CLEARANCES.
8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH COTR, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
13. WHEN MAKING CONNECTION TO EXISTING HOT AND COLD WATER PIPING THAT DO NOT HAVE ISOLATION VALVES THE FIRST OPTION FOR ISOLATION SHALL BE FREEZING THE EXISTING SUPPLIES AT AND ADJOINING THE CONNECTION POINT TO ELIMINATE THE NEED TO SHUTDOWN SERVICES OUTSIDE CONSTRUCTION AREA. THESE CONNECTIONS SHALL BE MADE BY PLUMBERS HAVING EXPERIENCE WITH THIS TYPE OF PROCEDURE. FREEZING OF SUPPLY PIPING SHALL BE ACCOMPLISHED BY USE OF PROFESSIONAL FREEZING KIT, SPECIFICALLY FOR FREEZING COPPER WATER LINES. CONTRACTOR TO SHUTDOWN SYSTEM OUTSIDE OF CONTRACT AREA AS A LAST RESORT. IN THE EVENT THAT SHUTDOWN OF SYSTEMS IS REQUIRED, CONTRACTOR SHALL COORDINATE SHUTDOWN WITH COTR. CONTRACTOR TO BE PREPARED ON SITE WITH "JET-SWET" TOOL OR SIMILAR TO STOP FLOW OF WATER AFTER SHUTDOWN IF EXISTING VALVES DO NOT HOLD. AT POINT OF CONNECTIONS THE USE OF COMPRESSION FITTINGS (PRO-FIT OR EQUAL). SHUT DOWNS MAY NEED TO BE OFF HOURS AT A THE DISCRETION OF THE COTR.

PLUMBING SYMBOLS

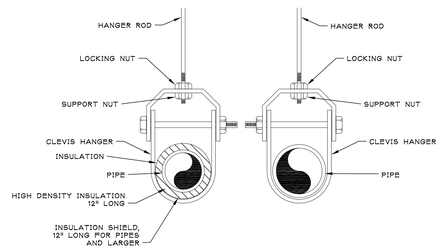
- LIMIT OF REMOVAL
- POINT OF CONNECTION
- UNION
- FLANGE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- CLEAN OUT - DECK PLATE
- CO — CLEAN OUT - END LINE
- BALL VALVE
- PIPE LOOP
- —S— SLOPE DOWN
- WATER HAMMER ARRESTER
- PIPE CAP
- PIPE RISER ELBOW DOWN
- PIPE RISER ELBOW UP
- PIPE BOTTOM OF BRANCH
- DEMOLITION
- NEW WORK
- — CW — CW - DOMESTIC COLD WATER
- — HW — HW - DOMESTIC HOT WATER
- SHOWER HEAD
- PLUMBING TRAP
- — V — VENT
- - - - - - BELOW SLAB
- — ST — STORM
- — SAN — SANITATION
- — MA — MEDICAL AIR
- FD — FLOOR DRAIN
- P-XXX — PLUMBING FIXTURE IDENTIFICATION TAG
- LAV — LAVITORY



NOTE: COORDINATE ALL SERVICES RELATED TO LAV TO ENSURE THEY ARE FULLY CONCEALED WITHIN ENCLOSURE, INCLUDING MIXING VALVES, TRANSFORMERS, ETC.

TYPICAL SINK DETAIL

SCALE: NONE



HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.
2-1/2" THRU 3"	1/2" DIA.
4" AND 5"	5/8"
6" THRU 8"	3/4"
12"	7/8"

HANGER ROD SPACING	
PIPE SIZE	MAX. ALLOWABLE SPACING
1"	7'
1-1/4"	8'
1-1/2"	9'
2"	10'
2-1/2"	11'
3" THRU 8"	12'
10" & 12"	15"

PLUMBING PIPE HANGER INSTALLATION DETAIL

SCALE: NONE

Scale: As Noted

Revisions:	Date

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Drawing Title	Project Title	Project Number	Building Number
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VA HEALTHCARE NETWORK UPSTATE NEW YORK

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