



1  
1-P21

BUILDING 1  
PHASE 1 PLUMBING RISER DIAGRAM DOMESTIC WATER (EXIST)  
SCALE: N.T.S.

MIXING VALVE STATION SCHEDULE (BUILDING 1)												
MARK	LOCATION	SYSTEM AND/OR SERVICE	BRONZE CIRCULATOR (SEE SCHEDULE)	FLOW CAPACITY AT 50-50 MIXED RATIO				INLET (IN)	OUTLET (IN)	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
				FLOW AND PRESSURE DROP ACROSS VALVE	MIN. FLOW	TEMPERATURE						
						INLET	OUTLET					
MVS 1-B-1	BASEMENT PUMP ROOM BB-4	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-B-2	BASEMENT CB-83	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-B-3	BASEMENT CB-83	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-1-1	1ST FLR C1-78	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-2-1	2ND FLR C2-47	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-3-1	3RD FLR C3-74	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-4-1	4TH FLR C4-74	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-5-1	5TH FLR C5-74	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-6-1	6TH FLR C6-74	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-7-1	7TH FLR C7-50	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-8-1	8TH FLR C8-56	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-9-1	9TH FLR C9-38	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-10-1	10TH FLR C10-36	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
MVS 1-11-1	11TH FLR C11-32	HOT WATER RECIRC	CP-1	85 GPM @ 10 PSI	0.5 GPM	145°F (60.0)	127°F (43.3)	2"	2 1/2"	POWER INTELLISTATION	LFIS150	1,2,3,4,5
REMARKS:												
1. UNIT INCLUDE PARAFFIN-BASED ADVANCE THERMAL ACTUATION TECHNOLOGY TO SENSE AND ADJUST OUTLET TEMPERATURE, DIRT AND LIME RESISTANT POPPET AND SEAT DESIGN, VIRTUAL SHUT-OFF IF SUPPLY PRESSURE FAILS, VANDAL-RESISTANT LOCKING MECHANISM TO SECURE TEMPERATURE SETTING, MOUNTED ON HEAVY DUTY WELDED STRUTS AND FACTORY TESTED AS A COMPLETE UNIT, INCLUDES PRESSURE/TEMPERATURE GAUGES, BALL VALVES AND INTERNAL BYPASS LOOP FOR SETUP.						2. CONTRACTOR TO MOUNT MIXING VALVE STATION ON PLYWOOD BACKING AND ATTACH FIRERATED PLYWOOD TO WALL.						
						3. VALVES SHALL BE COMPLIANT TO ASSE 1017.						
						4. PROVIDE BACKNET CONTROLLER TO INTEGRATE WITH JOHNSON CONTROLS BAS.						
						5. UNIT SHALL BE PROVIDED WITH FULL COLD FLOW FAIL SAFE FEATURE.						

GENERAL DRAWING NOTES

- COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY SECTION 22 05 11 - COMMON WORK RESULTS FOR PLUMBING, PARAGRAPH, SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN REVIEWED AND APPROVED. BY THE ENGINEER.

BID AMENDMENT  
NO.1  
AUGUST 24, 2016

FULLY SPRINKLERED

Professional Seal 	Project Lead  <b>NORTHEAST INFRASTRUCTURE, LLC</b> 630 PARK STREET HONESDALE, PA 18431 570-253-0846 OFFICE 570-253-1935 FAX WWW.NEINFRA.COM	Drawing Title BUILDING 1 PLUMBING RISER DIAGRAM	Project Title PLUMBING SYSTEM UPGRADE PHASE II	Date 08/24/2016	veterans Affairs
Facility Project Name DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER WILKES-BARRE, PA	Building Number 1	Checked L.J.M.	Drawn C.E.T.	DRAWING NO. DRAWING 1-P21 DWG. 31 OF 55	
Location WILKES-BARRE, PENNSYLVANIA					

AMENDMENT NO. 1  
Revisions  
8/24/16  
Date