

BOILER									
TAG NO.	LOCATION	MANUF.	MODEL	INPUT MBH	BOILER CONNECTIONS	BOILER HEADERS	FUELE	VENT AND OA	NOTES
B-1	BOILER ROOM	PEERLESS	WBV-04	1.25 GPH / 175 MBH	2" SUPPLY, 1-1/4" RETURN	1-1/2"	85.4%	6" TYPE B, AND SEALED COMBUSTION AIR BOOT W-4" VENT.	OIL-FIRED, 1-STAGE BURNER, CAST-IRON SECTIONS FACTORY TESTED AND ASSEMBLED WITH STEEL PUSH-NIPPLES, PROVIDE SEALED-COMBUSTION-AIR KIT WITH VENT TO OUTSIDE, MIN. 5' FROM OIL-TANK FILL OR VENT.

PUMP										
TAG	AREA SERVED	WHERE USED	MANUF.	MODEL	DESIGN GPM	HEAD (FT)	MOTOR HP	VOLTAGE	AMPS	REMARKS
P1	ENTIRE BUILDING	3 ZONE HEATING SYSTEM	B&G	20-18	12.5	14.4	1/2 (.09)	120	6	INTEGRAL PROPORTIONAL PRESSURE CONTROL, SET TO SPEED B, ECM MOTOR.

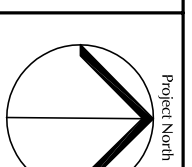
RADIATION TERMINAL UNITS									
TAG	AREA SERVED	MANUF.	UNIT TYPE	MODEL	MBH OUTPUT	REMARKS			
A	ALL SHOWING NEW BASEBOARD	SLANT-FIN	HEAVY-DUTY, SLOPE-TOP BASEBOARD	HD-850	490 / LF AT 160 F AVG WATER.	3/4" COPPER TUBE, W-2-3/4"x2-1/2" ALUM FINIS, WATER VELOCITY 1 FPS, AVERAGE WATER 160 F			

MULTI-SPLIT, HYPER-HEAT, HEAT PUMPS - OUTDOOR UNITS														
TAG	AREAS SERVED	MANUF.	MODEL	COOLING MBH	COOLING SEER	HEATING MBH	HEATING HSPF	MAX. ZONES	BRANCH BOX REQUIRED	OUTDOOR UNIT CONNECTIONS	3-PORT BRANCH BOX CONNECTIONS	5-PORT BRANCH BOX CONNECTIONS	WIRING	COMMENTS
HP-1	BASEMENT, OA LOAD, 1ST WEST	MTSUBISHI	MXZ-8C48NHZ2	48	18	54	8.9	8	YES - 1, 5-PORT	5/8" GAS / 3/8" LIQ.	N/A	4 AT 3/8" GAS, / 1/4" LIQ, 1 AT 1/2" GAS, 1/4" LIQ.	208/230 1 PH, 60 HZ, MCA = 42, MOP = 45	5 ZONES, R410A, FLARED PIPING, MAX. 54 DBA, MAX. 492 FT TOTAL PIPING LENGTH, 262 FT TO FURTHEST
HP-2	EAST ZONE 1ST & 2ND	MTSUBISHI	MXZ-8C48NHZ2	48	18	54	8.9	8	YES - 2, 3-PORT	5/8" GAS / 3/8" LIQ.	ALL 3/8" GAS / 1/4" LIQ.	N/A	208/230 1 PH, 60 HZ, MCA = 42, MOP = 45	5 ZONES, R410A, FLARED PIPING, MAX. 54 DBA, MAX. 492 FT TOTAL PIPING LENGTH, 262 FT TO FURTHEST
HP-3	WEST ZONE 2ND	MTSUBISHI	MXZ-5C42NHZ2	42	20	48	11	5	YES - 1, 5-PORT	5/8" GAS / 3/8" LIQ.	N/A	ALL AT 3/8" GAS, / 1/4" LIQ	208/230 1 PH, 60 HZ, MCA = 42, MOP = 45	5 ZONES, R410A, FLARED PIPING, MAX. 54 DBA, MAX. 492 FT TOTAL PIPING LENGTH, 262 FT TO FURTHEST
HP-4	NORTH ZONE 1ST & 2ND	MTSUBISHI	MXZ-8C48NHZ2	48	18	54	8.9	8	YES - 2, 3-PORT	5/8" GAS / 3/8" LIQ.	ALL 3/8" GAS / 1/4" LIQ.	N/A	208/230 1 PH, 60 HZ, MCA = 42, MOP = 45	6 ZONES, R410A, FLARED PIPING, MAX. 54 DBA, MAX. 492 FT TOTAL PIPING LENGTH, 262 FT TO FURTHEST

MULTI-SPLIT, HYPER-HEAT, HEAT PUMPS - (HP-1 INDOOR UNITS)													
TAG	POWERED BY:	AREA SERVED	TYPE	MANUF.	MODEL	COOLING / HEATING MBH	FAN SPEEDS	FAN CONTROL	TEMPERATURE CONTROL	PIPING SIZE	WIRING	CONDENSATE DRAIN CONNECTION	COMMENTS
IN-1-1	HP-1	BASEMENT SHOP	WALL MOUNT	MTSUBISHI	MSZ-GL09NA	9 / 10.9	QUIET-LOW-MED-HI-SUPER-HI	AUTO SPEED CONTROL	WALL-MOUNTED WIRELESS	1/4" LIQ, 3/8" GAS	FROM OUTDOOR UNIT 208/230 1 PH, 60 HZ, 1 A.	5/8" O.D.	DRAIN CONDENSATE THRU WALL, 5/8" FLEX TUBE TO BARBED CONNECTOR ON 3/4" PVC
IN-1-2	HP-1	OA EAST	DUCTED	MTSUBISHI	SEZ-KD09NA4	8.1 / 10.9	LOW-MED-HI	SET TO LOW - 197.5 CFM	MHK1 WALL-MTD, WIRELESS, RM 12	1/4" LIQ, 3/8" GAS	FROM OUTDOOR UNIT 208/230 1 PH, 60 HZ, 1 A.	1-1/4" O.D.	DRAIN CONDENSATE 1-1/4" PVC THRU EXT. WALL, TERMINATE 45 DOWN.
IN-1-3	HP-1	OA WEST	DUCTED	MTSUBISHI	SEZ-KD09NA4	8.1 / 10.9	LOW-MED-HI	SET TO LOW - 185 CFM	MHK1 WALL-MTD, WIRELESS, RM 25A	1/4" LIQ, 3/8" GAS	FROM OUTDOOR UNIT 208/230 1 PH, 60 HZ, 1 A.	1-1/4" O.D.	DRAIN CONDENSATE THRU WALL, 5/8" FLEX TUBE TO BARBED CONNECTOR ON 3/4" PVC
IN-1-4	HP-1	CLASSROOM 1	WALL MOUNT	MTSUBISHI	MSZ-GL12NA	12 / 14.4	QUIET-LOW-MED-HI-SUPER-HI	AUTO SPEED CONTROL	WALL-MOUNTED WIRELESS	1/4" LIQ, 3/8" GAS	FROM OUTDOOR UNIT 208/230 1 PH, 60 HZ, 1 A.	5/8" O.D.	DRAIN CONDENSATE THRU WALL, 5/8" FLEX TUBE TO BARBED CONNECTOR ON 3/4" PVC
IN-1-5	HP-1	CLASSROOM 1	WALL MOUNT	MTSUBISHI	MSZ-GL12NA	12 / 14.4	QUIET-LOW-MED-HI-SUPER-HI	AUTO SPEED CONTROL	WALL-MOUNTED WIRELESS	1/4" LIQ, 3/8" GAS	FROM OUTDOOR UNIT 208/230 1 PH, 60 HZ, 1 A.	5/8" O.D.	DRAIN CONDENSATE THRU WALL, 5/8" FLEX TUBE TO BARBED CONNECTOR ON 3/4" PVC

ID & CLEARANCE

- LABELLING
 - LABEL ALL EQUIPMENT AND PIPING SYSTEMS.
 - PLASTIC LAMINATE SIGNS WITH 1/2" HIGH LETTERS ON EQUIPMENT. USE SAME NAME AS SHOWN ON DRAWINGS AND MAINTENANCE MANUALS.
 - COLOR CODED PRE-MANUFACTURED PIPE LABELS, WITH MINIMUM 9" ARROWS SHOWING DIRECTION OF WATER FLOW. LABEL MAX. 25" O.C., AND AT EACH WALL OR CEILING PENETRATION.
 - LABEL ALL CONTROLS - TO EXACTLY MATCH AS BUILT FIELD WIRING DIAGRAMS.
- CLEARANCES:
 - PROVIDE MANUFACTURER'S MINIMUM SERVICE CLEARANCES ON ALL EQUIPMENT.
 - PROVIDE SUFFICIENT CLEARANCE AROUND ALL PIPING AND DUCTWORK TO ALLOW FOR A FULL THICKNESS OF INSULATION.



DRAWING TITLE
HEATING SCHEDULES
AND ID NOTES

JOB TITLE
COMMUNITY ACTION HEAD START
HVAC UPGRADES
34 CENTRAL ST
TURNER'S FALLS, MA 01376

ENGINEER
SENSIBLE SOLUTIONS

64 KNIGHTLY RD
HAOLEY, MA. 01930
PO BOX 905 BRATTLEBORO, VT 05302

REVISIONS:
ADDENDUM 1 7-15-15

BID SET
DRAWING NO.

DATE
MAY, 2022

SCALE
AS SHOWN