

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

**MILDRED E. STRANG MIDDLE SCHOOL
2701 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598**

REVISIONS

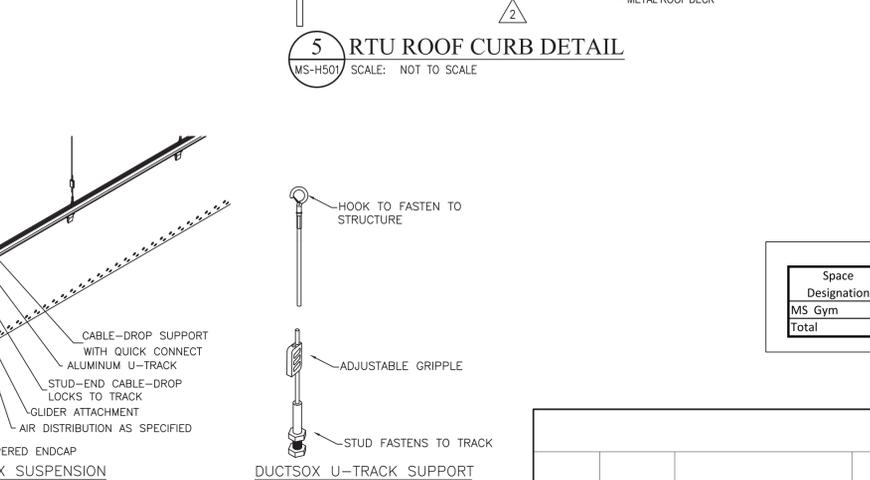
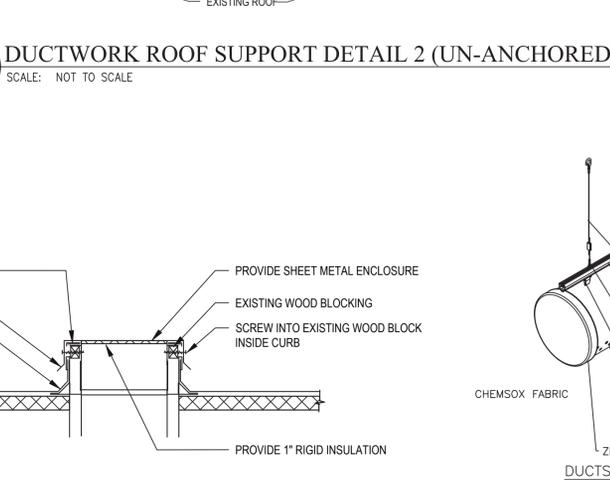
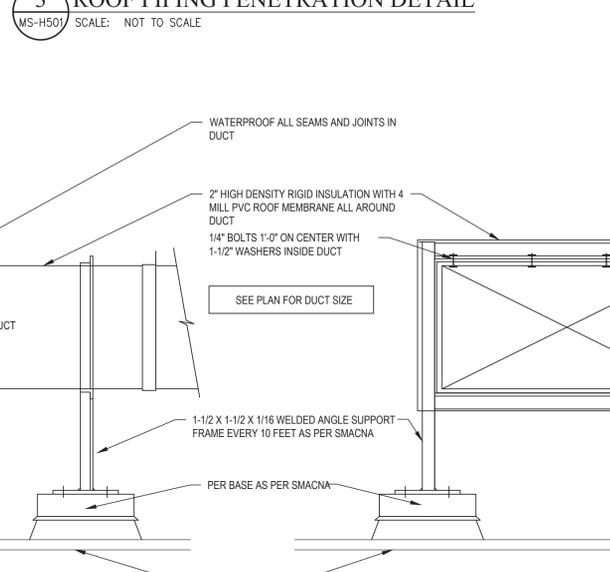
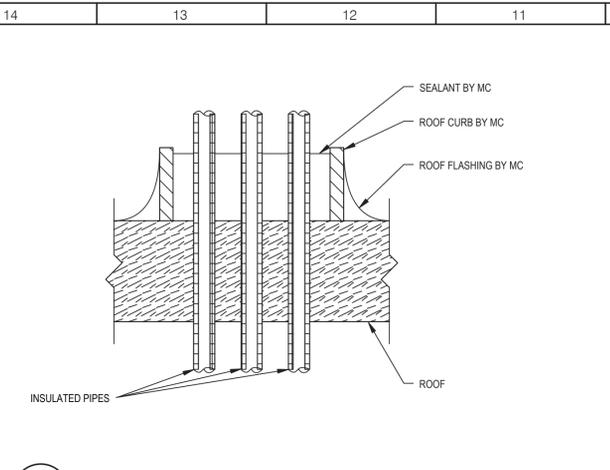
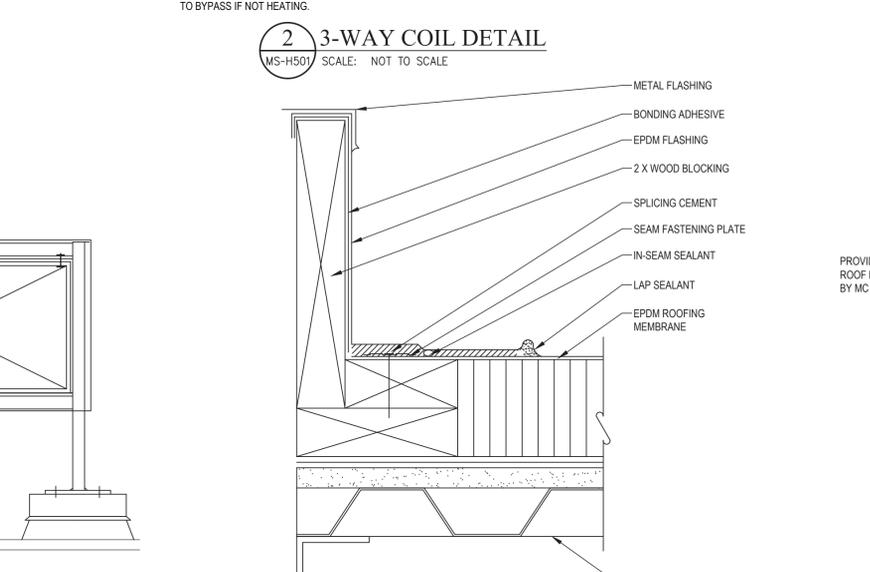
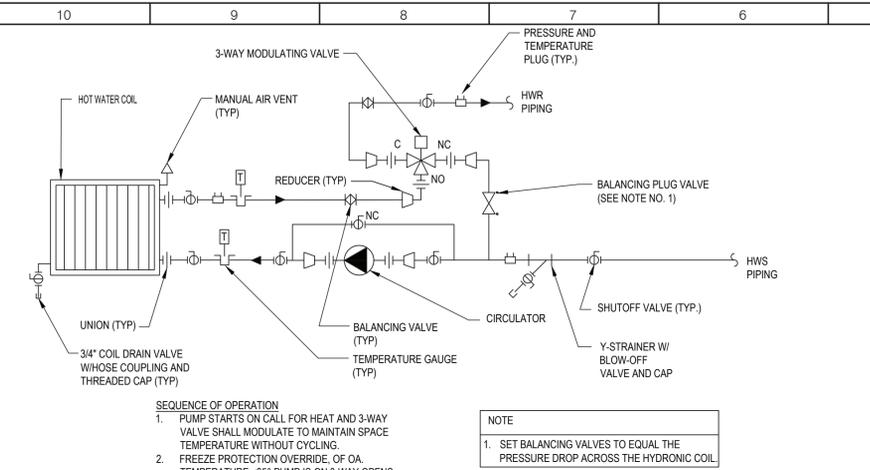
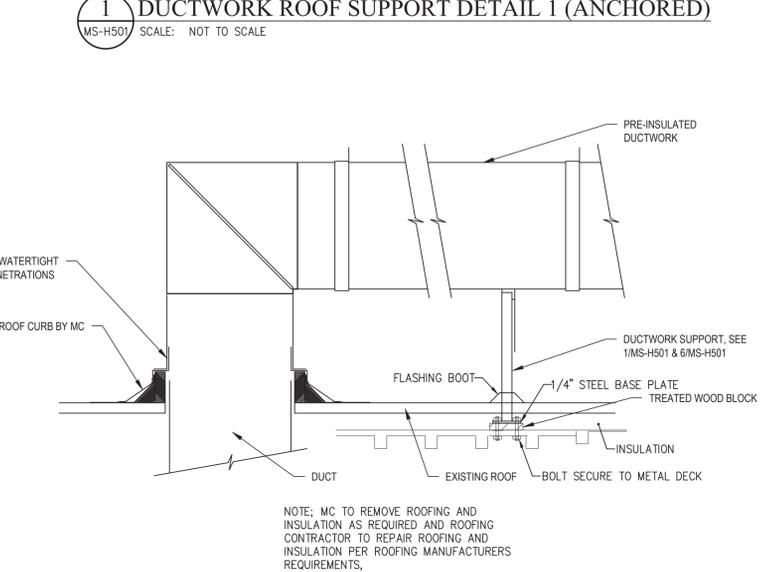
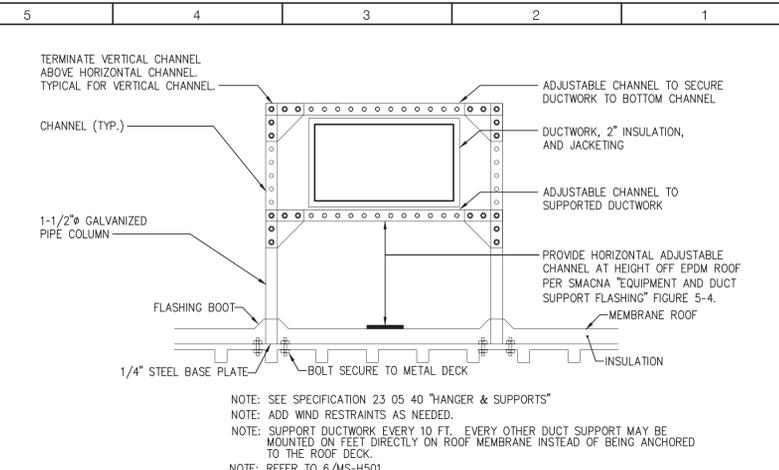
No.	Description	Date
1	ADDENDUM NO.1	11/12/2021

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: DETAILS & SCHEDULES

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: DETAILS & SCHEDULES

SHEET NUMBER:

MS-H501



VENTILATION REQUIREMENTS

Space Designation	Area Area SF	/1000 SF	Occupants		Ventilation Required		Uncorrected Ventilation	Efficiency Factor	Corrected CFM
			Total	Per Occup.	Per SF	Per SF			
MS Gym	6,100		7	43	20.00	0.18	1,950	80%	2,440
Total	6,100			43			1,950	80%	2,440

PUMP SCHEDULE

TAG	SERVICE	TYPE	FLUID	GPM	HEAD	RPM	ELECTRICAL		DISCONNECT			BASIS OF DESIGN	MODEL
							HP	VOLTS/PH/Hz	TYPE	FURNISHED BY	INSTALLED BY		
P-4	RTU-4	IN-LINE CIRC.	HW	15	23	1725	3/4	120/1/60	SWITCH	EC	EC	TACO	1611
P-5	RTU-5	IN-LINE CIRC.	HW	15	23	1725	3/4	120/1/60	SWITCH	EC	EC	TACO	1611

ROOFTOP AIR-CONDITIONING UNIT SCHEDULE

TAG	SERVICE	TYPE	AIRFLOW (CFM)	OUTSIDE AIR (CFM)	SUPPLY FAN				EXHAUST FAN				CAPACITY				DX COOLING				HEATING				NOTES	BASIS OF DESIGN					
					ESP (N. WG)	TOTAL SP (IN. WG)	FAN TYPE	HP	ESP (N. WG)	TOTAL SP (IN. WG)	FAN TYPE	HP	IEER	NOMINAL TONNAGE	TOTAL (MBH)	SENS. (MBH)	LATENT (MBH)	ENTERING AIR (MIXED)		LEAVING AIR		ENTERING WATER (°F)	LEAVING WATER (°F)	ENTERING AIR DRY BULB (°F)			LEAVING AIR DRY BULB (°F)				
																		DRY BULB (°F)	WET BULB (°F)	DRY BULB (°F)	WET BULB (°F)										
RTU-4	GYMNASIUM	RTU	6250	1300	1.5	3	PLENUM	7.5	.75	PLENUM	5	14.2	16	200.18	166.83	33	79	64.76	53.8	53.64	180	150	59.4	99	15	1.1	0.5	276	HW	1,2,3,4,5,6	AAON
RTU-5	GYMNASIUM	RTU	6250	1300	1.5	3	PLENUM	7.5	.75	PLENUM	5	14.2	16	200.18	166.83	33	79	64.76	53.8	53.64	180	150	59.4	99	15	1.1	0.5	276	HW	1,2,3,4,5,6	AAON

- COORDINATE SIZE AND LOCATION OF UNIT WITH EXISTING FRAMING. MOUNT/SECURE/ANCHOR UNIT ON DUNNAGE PROVIDED BY GC.
- COORDINATE SIZE AND LOCATION OF ROOF PENETRATIONS WITH GC FOR SUPPLY AND RETURN DUCT.
- ALL WORK IS BY MC (ABATEMENT, STEEL, CURBS, ROOF FLASHING, ETC.), ONLY ITEM EXCLUDED IS ELECTRICAL BY EC.
- PROVIDE SMOKE DETECTOR IN RETURN AIR STREAM
- PROVIDE 2 STAGE FILTER; 2" MERV-8 & 4" MERV-14
- RTU SHALL HAVE A FRONT, HORIZONTAL DISCHARGE AND BOTTOM, VERTICAL RETURN