

BOILER SCHEDULE			
UNIT NO.		B-1	
SERVICE		HEATING	
LOCATION		BOILER ROOM	
TYPE		CAST IRON FIREBOX	
RATINGS	HORSEPOWER		18.9
	STEAM NET RATING (MBH)		476
	GROSS OUTPUT (MBH)		634
	HEATING SURFACE (SQ. FT)		1983
	FURNACE VOLUME (CU. FT)		6.69
	WATER CONTENT (GALLONS)		72
	DESIGN PRESSURE (PSIG)		15
BURNER	OIL	FIRING RATE (GPH)	5.5
		GRADE OF OIL	2
	INTEGRAL OIL/AIR SYSTEM MOTOR HP		-
	BURNER MOTOR RPM		3450
	NOZZLE LINE HEATER (KW)		-
STEAM	MBH		476
	OPER. PRES. (PSIG)		5
ELEC.	V / Ø / HZ		120/1/60
REMARKS:			
1. SELECTION BASED ON WEIL MCLAIN STEAM BOILER, MODEL 680 AND BURNER, WEBSTER, MODEL WJB1C-03 (DUAL FUEL)			
2. PROVIDE LOW GAS PRESSURE SWITCH & GAS PRESSURE REGULATOR			
3. BURNER SHALL BE WITH "LOWER GAS SUPPLY PRESSURE CONFIGURATIONS". TYPICAL FOR ALL NEW BURNERS.			

AIR DISTRIBUTION SCHEDULE									
TAG	MAKE	MODEL	SIZE	CFM	NECK SIZE	MAX N. C.	DAMPER	FINISH	(TAG) REMARKS
SG-1	TITUS	300	14"X6"	225	-	-	-	ALUMINUM OFF-WHITE	(SG) SUPPLY AIR GRILLE PROVIDE FRAME STYLE AS REQUIRED
CD-1	TITUS	TMS	24"X24"	300	10" DIA	14	-	ALUMINUM OFF-WHITE	(CD) CEILING SUPPLY AIR DIFFUSER PROVIDE FRAME STYLE AS REQUIRED
RG-1	TITUS	350F	24"X20"	1120	-	-	-	ALUMINUM OFF-WHITE	(RG) RETURN AIR GRILLE PROVIDE FRAME STYLE AS REQUIRED
RG-2	TITUS	350F	18"X10"	280	-	-	-	ALUMINUM OFF-WHITE	(RG) RETURN AIR GRILLE PROVIDE FRAME STYLE AS REQUIRED
RG-3	TITUS	350F	20"X20"	940	-	-	-	ALUMINUM OFF-WHITE	(RG) RETURN AIR GRILLE PROVIDE FRAME STYLE AS REQUIRED
RG-4	TITUS	350F	36"X32"	SEE PLAN	-	-	-	ALUMINUM OFF-WHITE	(RG) RETURN AIR GRILLE PROVIDE FRAME STYLE AS REQUIRED

AIR COOLED CONDENSING UNIT SCHEDULE									
TAG	MANUFACTURER & MODEL NO.	COOLING REQUIREMENTS			ELECTRICAL			UNIT WEIGHT (LBS)	NOTES
		BTUH TOTAL (NOMINAL)	OAT DB F	OAT WB F	V-PH-HZ	MCA	MOCP		
ACCU-1	CARRIER 24ACC648	48,000	95.0	74.0	208-1-60	26.1	40	248	ASSOCIATED WITH INDOOR COOLING COIL WITH FURNACE (GF-1)
* SIZE REFRIGERANT PIPING PER THE MANUFACTURER'S RECOMMENDATIONS.									
* PROVIDE DISCONNECT SWITCH AND GFI RECEPTACLE									
* INSTALL UNIT ON NEW PAD									

GAS FIRED FURNACE WITH COOLING COIL SCHEDULE													
EQUIPMENT NO.	SUPPLY AIR (CFM)	STATIC PRESS. (IN. W.G.)	INPUT (BTU)	OUTPUT (BTU)	EFFICIENCY A.F.U.E.	GAS RATE (CFH)	OUTSIDE AIR (CFM)	ELECTRIC		WEIGHT (LBS)	MANUFACTURER & MODEL	SEER/EER	REMARKS
								AMPS	V-HZ-PH				
GF-1	1200	0.5	60,000	58,000	96.2%	60	-	9.7	115-60-1	150	CARRIER, MODEL 59TN6A060E	15.2/12.5	- PROVIDE UNIT WITH MATCHING COOLING COIL -CARRIER MODEL CNPHP36 - ASSOCIATED WITH ACCU-1
NOTES													
1) PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT FOR EACH FURNACE.													
2) PROVIDE DRIP PAN UNDERNEATH EACH UNIT. DRAIN CONDENSATE TO THE NEAREST FLOOR DRAIN OR SERVICE SINK WITH MIN. 1" AIR GAP.													
3) PROVIDE VIBRATION ISOLATORS FOR EACH HORIZONTAL UNIT.													
4) PROVIDE DIRECT VENT ASSEMBLY FOR EACH UNIT AND TERMINATE AS PER MANUFACTURER'S RECOMMENDATIONS AND NYS MECHANICAL CODE, 2020.													
5) PROVIDE FLEXIBLE CONNECTION AT EACH SUPPLY AND RETURN DUCT CONNECTION TO THE UNIT													
6) CONNECT 1/2" GAS PIPING TO EXISTING GAS MAIN.													

SPILL AIR FAN SCHEDULE										
UNIT NO.	AREA SERVED	LOCATION OF UNIT	FAN DATA					MOTOR DATA		REMARKS
			CAPACITY C.F.M	STATIC PRESSURE IN.	R.P.M.	TYPE OF DRIVE	BHP	VOLTAGE	PHASE	
SAF-1	MEETING ROOM	RECREATION CEILING	3000	0.75	637	BELT	0.82	208	1	BASED ON GREENHECK MODEL BDF-150
NOTES:										
1) PROVIDE FLEXIBLE CONNECTION AT OUTLET OF EXHAUST FAN.										
2) PROVIDE CONTROLS, SENSORS AND MOTORIZED DAMPERS AS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM.										
3) INSTALL SPILL AIR FAN AS PER MANUFACTURER'S RECOMMENDATIONS.										
4) PROVIDE PROPER SUPPORTS AS PER MANUFACTURER'S RECOMMENDATIONS.										

UNIT HEATER SCHEDULE		
UNIT No.	UH-1	
MANUFACTURER	MODINE	
MODEL No.	HSB 121	
SERVICE	APPARATUS	
LOCATION	WALL	
CAPACITY (BTU)	121,000	
STATIC PRESSURE (IN. W.C.)	-	
ENCLOSURE	-	
MOT OR DAT	HP	-
A	RPM	-
	V / Ø / Hz	-
REMARKS:		
1. PROVIDE NEW STEAM TRAP.		
2. PROVIDE PROPER SUPPORTS AS REQUIRED.		

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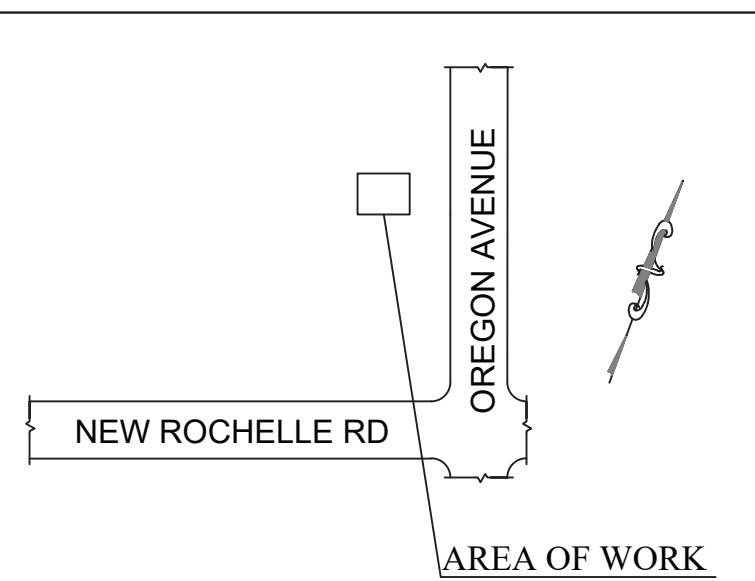
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2	REVISED	9/10/2021
1	CLIENT REVIEW	3/11/2021
NO. ISSUED FOR		DATE

REVISIONS



SCOPE OF WORK:

FIRE HOUSE
(MECHANICAL)

PROJECT LOCATION:

10 OREGON AVENUE
BRONXVILLE, NY
10708

SHEET TITLE:

MECHANICAL
SCHEDULES

PROJECT #:	21-0311-00
SCALE:	AS NOTED
DATE:	10/20/2020
DRAWN BY:	AM
REVIEWED BY:	DL/MW

STATE OF NEW YORK

Professional Engineer

092057

DOB STAMP & SIGNATURE

SHEET NO.:

M-103.00

SHEET: 4 OF 7

DOB JOB #