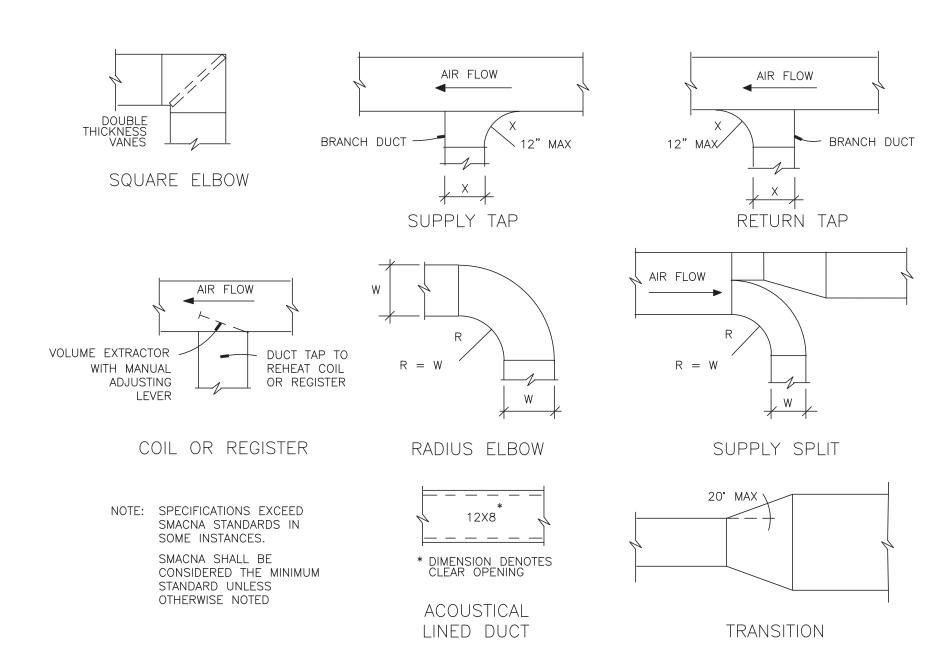
## SCHEDULE OF DUCTLESS HEAT PUMP SPLIT SYSTEMS INDOOR AIR HANDLER INFORMATION OUTDOOR CONDENSING UNIT INFORMATION OFFICIAL PATA CONTROL OF THE STREET OF TH

INDOOR AIR HANDLER INFORMATION								OUTDOOK CONDENSING UNIT INFORMATION													
GENERAL DATA		SUPPLY FAN DATA		COOL	ling	HEA	TING	GENERAL INFO.		ELECTRICAL INFORMATION				DELLABOR							
MARK MODEL No. 1		CFM		ELECTRIC SERVICE		( MBH )		( MBH )		MARK	MO No	DEL D. 1	V/PH/HZ		TOTAL MCA (AMPS)		TOTAL MOCP (AMPS)		REMARKS		
HP 1	40MBQBC	9C-3	380		208/1	/60	9.	0	10	0.0		38MAC	QB09-3		/230 /60	15		15	5	REFE 23	R TO 4567
(HP) 2											(CU) 2										
HP 3											CU 3										
HP 4											CU 4										
HP 5									,		CU 5				<b>\</b>						1

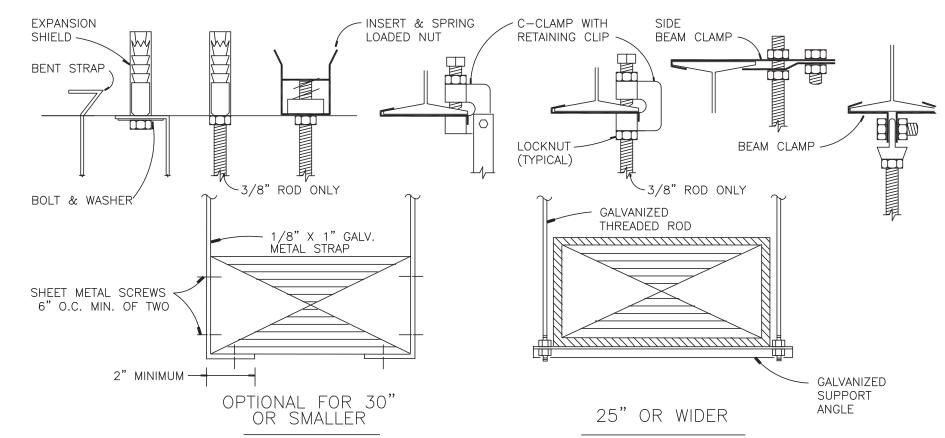
- (1) AS MANUFACTURED BY "CARRIER".
- (2) INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- 3 PROVIDE INDOOR UNITS WITH OUTDOOR AIR CONNECTION
- T (4) CABINET SHALL HAVE KNOCK-OUT ON SIDE PANEL FOR PROVISIONS FOR OUTDOOR AIR.
- 5 PROVIDE PROGRAMMABLE THERMOSTAT AND WIRED REMOTE CONROL.
- PROVIDE ALL CONTROLS, BMS INTEGRATION, REFRIGERATION SPECIALITIES, SENSORS, CONDENSATE PUMPS, FILTER RACKS AND EXTERNAL VIBRATION ISOLATION.
  - 7) INSECT SCREEN FOR AIR INTAKE.

	SCHEDULE OF EXHAUST FANS											
MARK	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	RPM	ELECTRIC SERVICE	REMARKS				
EF 1	PARK OFFICE-1	CEILING	IN-LINE	SP-AP0511W	110	934	115	234				
EF 2	PARK OFFICE-2											
EF 3	JFK OFFICE-1											
EF 4	JFK OFFICE-2	•		V	V	V						

- N ① AS MANUFACTURED BY "GREENHECK".
  O ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- T ③ PROVIDE MOTION AND CO2 SENSOR.
  E ④ PROVIDE C.U. WITH SNOW/ WIND GUARD AT FAN INTAKE AND
- E (4) PROVIDE C.U. WITH SNOW/ WIND GUARD AT FAN INTAKE AND S DISCONNECT SWITCHES.
- 5 COORDINATE LOCATION OF FENCE ENCLOSURE WITH SPACE REQUIRED TO SERVICE THE CONDENCING UNIT.
- 6 PROVIDE WALL CAP WITH BUILT-IN DAMPER



# A DUCT CONSTRUCTION DETAILS SCALE: N.T.S.



DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIV. CHANNEL	MAXIMUM SPACING	MAXIMUM AREA *
25" TO 30"	3/8"	1 1/2" X 1 1/2" X 1/8"	8'-0" O.C.	4 SQ. FT.
31" TO 42"	3/8"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
43" TO 60"	1/2"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
61" TO 84"	1/2"	2" X 2" X 1/4"	4'-0" O.C.	
85" AND UP	1/2"	2" X 2" X 1/4"	4'-0" O.C.	

DUCT SUPPORT DETAIL

\* REDUCE SPACING TO NEXT SMALLER INTERVAL IF DUCT AREA EXCEEDS MAXIMUM

#### PLUMBING REMOVAL NOTES

- REMOVE SINK AS INDICATED. INCLUDING BUT NOT LIMITED TO EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
- WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THEY ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL SANITARY, VENT, WATER, DISCHARGE PIPING. REFER TO DIVISION I OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.
- WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE ONTRACTOR CAUSING THE DAMAGE.
- (5) ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.

	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED  —— POINT OF CHANGE IN DUCT SIZE
	NEW DUCTWORK1" THERMAL ACOUSTIC LINING (WHERE APPLICABLE)
	FLEXIBLE CONNECTION NEW DUCTWORK —— POINT OF CHANGE IN DUCT SIZE
****	TYPE-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION —— CFM
$\otimes$	EXISTING REGISTER/DIFFUSER IDENTIFICATION
F	SQUARE DUCT TURN WITH TURNING VANES
$\boxtimes^{\otimes}$	EXISTING 4-WAY CEILING DIFFUSER
$\nearrow^{\otimes}$	EXISTING CEILING REGISTER
×11	TYPE -SEE SCHEDULE NEW 4-WAY CEILING DIFFUSER
No.	TYPE -SEE SCHEDULE NEW 3-WAY CEILING DIFFUSER
1 ***	TYPE -SEE SCHEDULE CEILING EXHAUST/RETURN REGISTER
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (WITH ACCESS DOOR)
-0-	FD & AD FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
— EHWS —	EXISTING HOT WATER SUPPLY PIPING
— EHWR—	EXISTING HOT WATER RETURN PIPING
— HWS —	NEW HOT WATER SUPPLY PIPING
— HWR —	NEW HOT WATER RETURN PIPING
<b>—</b>	FLOW DIRECTION WITHIN PIPE
——>>	SHUT OFF VALVE
E	EXISTING EXHAUST FAN IDENTIFICATION
CH EAST	EXISTING CABINET HEATER IDENTIFICATION
CH *	NEW CABINET HEATER IDENTIFICATION
FTR EXIST	EXISTING FINNED TUBE RADIATION IDENTIFICATION
Ts	NEW DDC WALL MTD. $(5'-2"+/- A.F.F.)$ TEMPERATURE SENSOR
T <sub>E</sub>	EXISTING PNEUMATIC THERMOSTAT
SE	EXISTING PNEOMATIC THERMOSTAT
	NEW THERMOSTAT
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
	DOOR UNDERCUT BY C.C
	LOW DOOR LOUVER BY C.C.
CFM	CUBIC FEET PER MINUTE
CD  CR	CEILING DIFFUSER  CEILING REGISTER
BR TD	BOTTOM WALL REGISTER  TOP WALL REGISTER
TR	
FSC	FULL SIZE CONNECTION
AFF	ABOVE FINISHED FLOOR
OAI	OUTSIDE AIR INTAKE
FC	FLEXIBLE CONNECTION
AD	ACCESS DOOR
Ts	TO ITEM CONTROLLED  WALL MOUNTED (5'-2" AFF) TEMPERATURE SENSOR
	SECTION/ELEVATION IDENTIFICATION
(E)	EXISTING TO REMAIN
	EXISTING TO BE RELOCATED
(ER)	

MECHANICAL LEGEND

#### MECHANICAL REMOVAL NOTES:

- (1) THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- ② DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- ③ EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- 4) ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL.
  OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL
  BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES
  NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

### WORK SCOPE NOTES - KEYED

- MODIFY OPENING AND EXTEND DUCT TO NEW EXHAUST AIR GRILL MOUNTED IN SUSPENDED CEILING AND CENTERED IN TILE. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND SPECIFICATIONS.
- WS2) MODIFY AND EXTEND EXISTING DUCTWORK FROM DUCT TO NEW REGISTER/DIFFUSER LOCATIONS
- WS3) PROVIDE NEW SUPPLY DUCT WORK INCLUDING INSULATION AND 2'X2' DIFFUSERS TO MATCH EXISTING.

PROJECT TITLE PORT CHESTER - RYE UNION FREE SCHOOL DISTRICT PARK AVENUE ELEMENTARY SCHOOL OFFICE ALTERATIONS JOHN F. KENNEDY ELEMENTARY SCHOOL OFFICE ALTERATIONS KING STREET ELEMENTARY SCHOOL LIBRARY ALTERATION EDISON ELEMENTARY SCHOOL OFFICE ALTERATIONS PORT CHESTER MIDDLE SCHOOL CLASSROOM ALTERATIONS	DRAWING TITLE MECHANICAL LEGENDS, NOTES AND ABBREVIATIONS, PLANS AND SCHEDULES				
06-08-2021	BID				
DATE	ISSUED TO				
SHEET SIZE 30"x42"	DRAWING NO.				

AS NOTED

DRAWN BY | FILE NO.

F&D 21430.00

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