NOTES

- 1. AFUE COLUMN REPRESENTS ANNUAL FUEL UTILIZATION EFFICIENCY.
 2. RTU-1 SHALL BE INTEGRATED INTO THE EXISTING BUILDING MANAGEMENT SYSTEM. PROVIDE ALL APPURTENANCES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH GREENWOOD LAKE CONTROLS
- CONTRACTOR FOR ALL REQUIREMENTS.
- 3. PROVIDE UNIT WITH A HIGH STATIC BLOWER.4. PROVIDE UNIT WITH A ECONOMIZER.
- 5. PROVIDE UNIT WITH HINGED PANELS.
- 6. PROVIDE UNIT WITH A 2" THICK MERV 13 THROWAWAY FILTER.
 7. PROVIDE UNIT WITH A MANUFACTURER APPROVED ROOF CURB. ROOF CURB MUST BE A MIN. OF 14" OVERALL HEIGHT.

	EXHAUST FAN SCHEDULE													
	GENERAL DATA											ELECTRICAL DATA		DEMA DICO
I.D.	MANUFACTURER	MODEL NO.	AIRFLOW	TOTAL EXTERNAL S.P.	FAN RPM	POWER START UP	USAGE OPERATING	MOTOR SIZE	SONES	SOUND LEVEL	WEIGHT	VOLTAGE/PHASE	FLA	REMARKS
E-1	GREENHECK	G-097-VG	100 CFM	0.50 " WG	1,135	0.03 BHP	0.03 BHP	1/4 HP	4.6	47 dBA	38 LBS.	115/1	2.85	SEE NOTES

NOTES

- 1. PROVIDE UNIT WITH A BACKDRAFT DAMPER, MOTOR STARTER, AND BIRDSCREEN.
- 2. PROVIDE UNIT WITH A 24 HOUR / 7 DAY TIME CLOCK.

REGISTER & GRILLE SCHEDULE									
I.D.	MANUFACTURER	MODEL NO.	AIRFLOW (CFM)	FRAME TYPE	NOMINAL FACE SIZE	BLADE DEFLECTION	BLADE SPACING	FINISH	REMARKS
SG-1	TITUS	271FS	200-220	DUCT MOUNTED	10" x 6"	DOUBLE	3/4"	WHITE	SEE NOTES
SG-2	HART/COOLEY	SVH-3-12X4-W-8	170	DUCT MOUNTED	12" X 4"	DOUBLE	3/4"	WHITE ENAMEL	SEE NOTES
SG-3	HART/COOLEY	SVH-3-10X4-W-10	125	DUCT MOUNTED	10" X 4"	DOUBLE	3/4"	WHITE ENAMEL	SEE NOTES
SG-4	HART/COOLEY	SVH-3-10X4-W-8	125	DUCT MOUNTED	10" X 4"	DOUBLE	3/4"	WHITE ENAMEL	SEE NOTES
SG-5	HART/COOLEY	USVH-3-14X3-W	105	DUCT MOUNTED	14" X 3"	DOUBLE	3/4"	WHITE	SEE NOTES
RG-1	TITUS	56FL	1050	SURFACE MOUNTED	30" x 8"	SINGLE	3/4"	WHITE	SEE NOTES
EG-1	TITUS	56FL	50	SURFACE MOUNTED	6" x 6"	SINGLE	3/4"	WHITE	SEE NOTES

NOTE:

1. ALL FINAL MOUNTING LOCATIONS FOR ALL GRILLES, REGISTERS & DIFFUSERS CAN BE SEEN ON THE ARCHITECTURAL PLANS. ALL LOCATIONS SHOWN ON THE MECHANICAL PLAN ARE TENTATIVE.

INSULATION S	SCHED	ULE	"KNAUF" AS STANDARD OR APPROVED EQUAL			
INSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FLEXIBLE BLANKET, 1.0 LB/CF R=8.0 (INSTALLED @ 25% COMPRESSION)					
SERVICE	FACING	MINIMUM THICKNESS TO MEET ASHRAE 90.1 REQUIREMENTS				
SUPPLY/RETURN AIR	FSK		2"			
OUTDOOR AIR	FSK		2"			
EXHAUST AIR	-	NONE				
OUTSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FI R=12.0	EXIBLE BLA	NKET, 1.0 LB/CF			
SERVICE	FACING		S TO EXCEED ASHRAE UIREMENTS			
SUPPLY/RETURN AIR	ASJ	4"				

* FLEXIBLE ELASTOMERIC FOAM INSULATION (ARMACELL OR EQUIVALENT)

NOTES:

- 1. ALL EDGES SHALL BE CLEAN CUT.
- 2. ALL SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ARMAFLEX 520 ADHESIVE. HORIZONTAL JOINTS SHALL BE AT BOTTOM OF DUCTS & PIPES.
- 3. ALL EXPOSED END CUTS SHALL BE COATED WITH ARMAFLEX 520 ADHESIVE.
- 4. INSULATION AT HIGH END OF PIPING RUNS SHALL BE ADHERED DIRECTLY TO THE PIPING USING A 1" STRIP OF 520 ADHESIVE ON THE I.D. OF THE INSULATION AND ON THE PIPE.
- 5. FOR ALL OUTDOOR EXPOSED DUCTWORK, THE HORIZONTAL SURFACE SHALL BE SLOPED TP PREVENT POUNDING ON SURFACE OF COATED INSULATION (2° MIN.).
- 6. THE "ARMA TUFF" PLUS SYSTEM MAY BE USED IN LIEU OF EXTERIOR DUCT INSULATION/WEATHER RESISTANT SYSTEM DESCRIBED IN SCHEDULE ABOVE.

MINIMUM DUCT INSULATION

1 DUCT INS COMMERCIAL

ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION

EXCEPTIONS:

- 1. WHEN LOCATED WITHIN EQUIPMENT.
- 2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C).

ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC—PLUS— EMBEDDED FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. UNLISTED DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

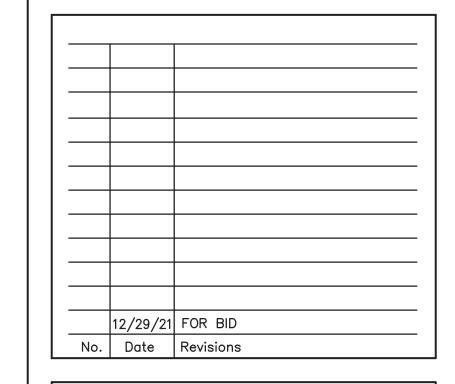
GREENWOOD LAKE
UNION FREE
SCHOOL DISTRICT

SED PROJECT NUMBER

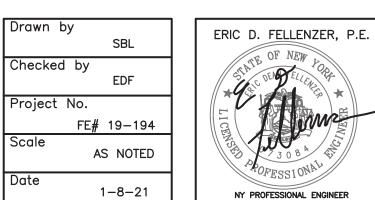
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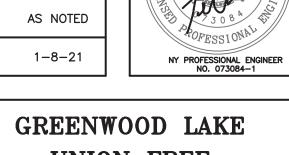
CAPITAL IMPROVEMENTS

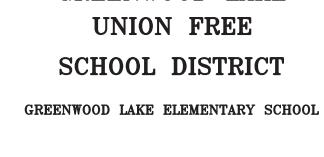
LEGEND

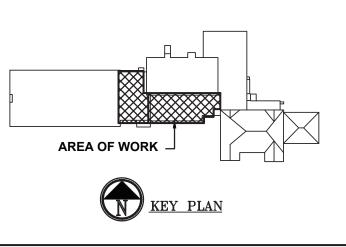


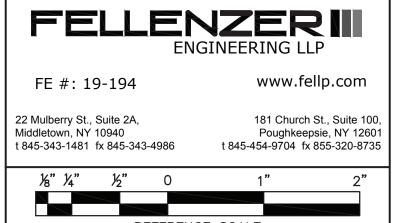
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.











REFERENCE SCALE

Drawing Title

HVAC: SCHEDULES

Drawing No

H-801