



BID ADDENDUM NO. 1
June 1, 2016

Town of Mansfield, Connecticut Replacement of Boilers at Annie Vinton Elementary School

TO: Prospective Bid Proposers:

This Addendum forms part of the "Request for Proposal – Replacement of Boilers at Annie Vinton Elementary School" and modifies or clarifies the original "Request for Proposal – Replacement of Boilers at Annie Vinton Elementary School" for this project dated May 2016. Prospective Bid Proposers shall acknowledge receipt of the addendum and submit with their bid. Failure to do so may subject the Bid Proposers to disqualification.

Submission Procedures is amended as follows:

Qualifications and proposal attachments must be in a sealed envelope and received prior to **3:00 p.m., Thursday, June 16, 2016**, at the Office of the Director of Finance, 4 South Eagleville Road, Mansfield, CT 06268. An original and three copies of both the pricing and non-pricing information must be included in your submission. Proposals received after that time will not be considered. Submissions will be reviewed by staff. Submittals may be withdrawn 90 days after opening, if no award has been made.

Pre-Bid Walkthrough:

A second pre-bid walkthrough will be held on **Monday, June 6, 2016, at 4:00 p.m.**, starting at the Office at the Annie Vinton Elementary School, 306 Stafford Road, Mansfield, CT. This walkthrough is extended to those vendors who attended the prior walkthrough but is not mandatory.

Mechanical Drawings:

Three mechanical drawings were handed out at the mandatory pre-bid walkthrough on May 26, 2016. These drawings are attached and hereby are part of the request for proposal.

Pre-Bid Walkthrough Questions:

The following are questions that have been received from potential bidders with the following answer provided in bold italics below:

Q1: Does the Town want engineered stamped drawings?

A1: *The Town Building Official is requiring engineered stamped drawings as part of the project.*

Q2: What rooms will be changed from steam to gas?

A2: *Please see Attachment B – Map of Vinton School, for the highlighted rooms and hallways that are included in the project. The Office Conference Room (next to the Principal's Office) needs baseboard heat.*

Q3: Are the aboveground tanks outside part of the Bid?

A3: *The price of the tank shall be provided by the Town and will not be part of the bid. The Town shall decide the location of the tank.*



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Q4: Will ABS be provided a price that the bidders can carry?

A4: *The price from ABS shall be provided to the bidders at a later date.*

Q5: Does the Town have a plan for the exhaust?

A5: *The exhaust can be installed out the back of the boiler room, through the roof of the boiler room, or reuse the chimney with a sleeve.*

Q6: What kind of piping does the Town wish to use?

A6: *The main piping shall be copper or malleable steel. The piping in the ceiling shall be copper and sleeved. The leaders in the rooms shall be PEX, insulated and sleeved.*

This addendum must be signed and returned with your Bid.

Authorized Signature of Bidder

Company Name

End of Addendum No. 1



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ATTACHMENT A
MECHANICAL DRAWINGS



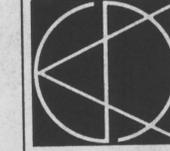
ADDITIONS AND ALTERATIONS TO THE
MANSFIELD PUBLIC SCHOOLS
 MANSFIELD, CONNECTICUT

APPLIED THERMODYNAMICS ASSOCIATES, INC.
 CONSULTING ENGINEERS
 SUITE #10, 10 HIGGINS HIGHWAY
 MANSFIELD CENTER, CT 06250
 (203) 456-4584

DATE: AUG 21 1991
 DRAWN BY: KAH
 PROJECT NUMBER: 8812

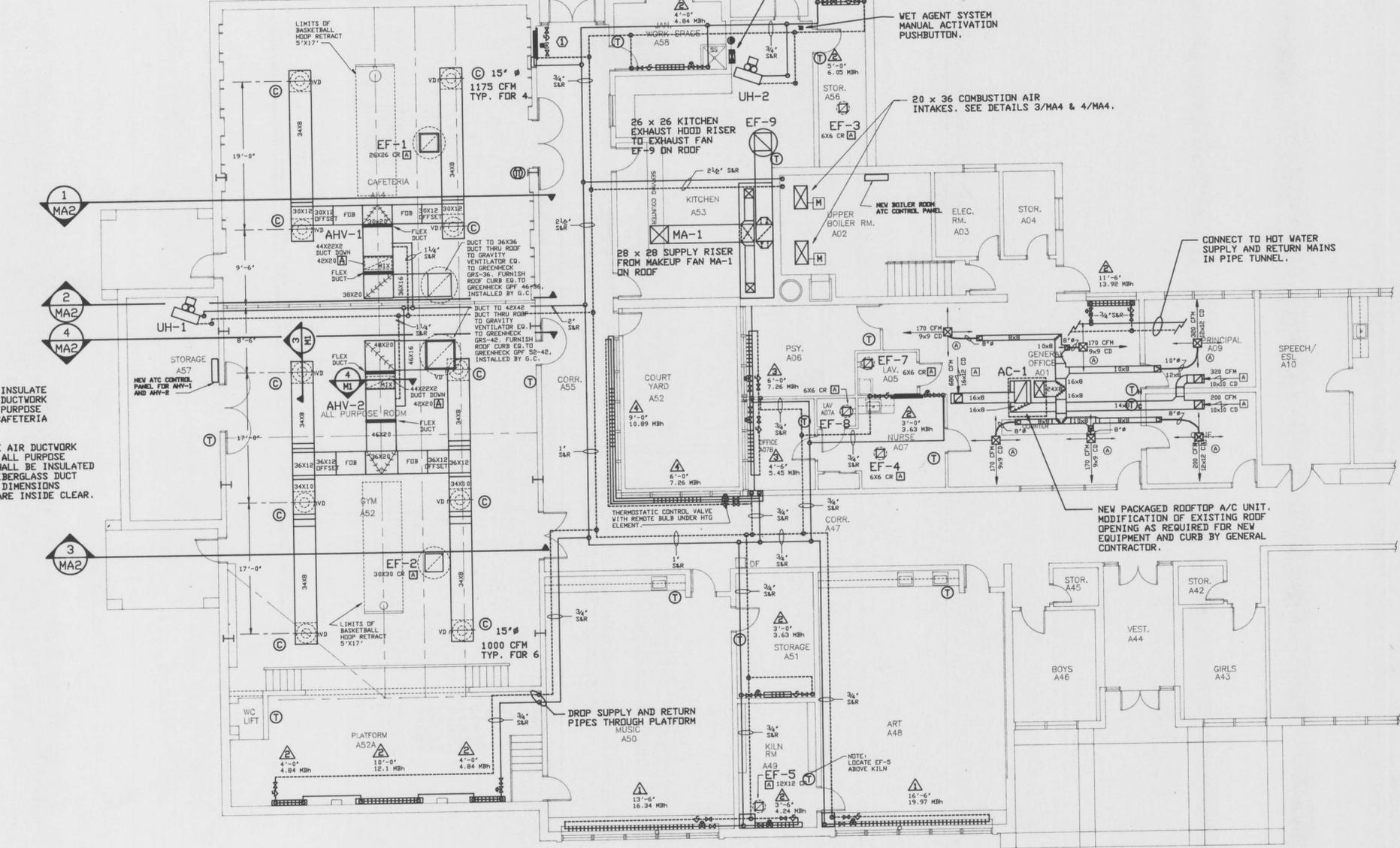
MECHANICAL PLAN NORTH
 SCALE: 1/8" = 1'-0"
MA-2

SCHOENHARDT ARCHITECTS
 ONE MASSACHUSETTS PLACE, STAMFORD, CT 06907



1 SUPPLY DUCTWORK - CAFETERIA
 MA2 SCALE: 1/4" = 1'-0"

2 OUTSIDE AIR DUCT - CAFETERIA
 MA2 SCALE: 1/4" = 1'-0"



GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL PROVIDE ACCESS PANELS IN BOOKCASES FOR TYPE-1 RADIATION (TYP).
2. RADIATION VALVES SHALL BE LOCATED INSIDE CONVECTOR AND RADIATION COVERS (TYP).
3. PROVIDE INSULATION ON ALL DUCTWORK UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL FIELD VERIFY ALL DUCTWORK LAYOUTS. IF A CONFLICT IS DISCOVERED, CONTRACTOR SHALL SUBMIT SKETCH(ES) OF PROPOSED SOLUTION FOR REVIEW & APPROVAL.
5. COORDINATE LOCATIONS OF EXHAUST FANS WITH OTHER TRADES. LIGHTING LOCATIONS SHALL TAKE PRECEDENCE OVER EXHAUST FAN LOCATIONS UNLESS NOTED OTHERWISE. REFER CONFLICTS TO ARCHITECT FOR RESOLUTION.

DO NOT INSULATE SUPPLY DUCTWORK IN ALL PURPOSE ROOM (CAFETERIA & GYM).

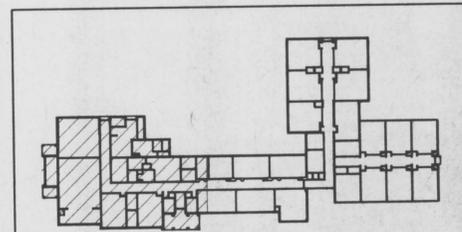
OUTSIDE AIR DUCTWORK IN THE ALL PURPOSE ROOM SHALL BE INSULATED WITH FIBERGLASS DUCT LINER. DIMENSIONS SHOWN ARE INSIDE CLEAR.

SUPPORTS BY GENERAL CONTRACTOR (TYP.)
 HANGERS BY DIV. 15 (TYP.)

3 SUPPLY DUCTWORK - GYM
 MA2 SCALE: 1/4" = 1'-0"

4 OUTSIDE AIR DUCTWORK - GYM
 MA2 SCALE: 1/4" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
	EXISTING DUCTWORK
	NEW DUCTWORK
	SUPPLY DIFFUSER (SEE SCHEDULE)
	EXHAUST OR RETURN GRILLE (SEE SCHEDULE)
	SUPPLY DUCT RISER
	EXHAUST OR RETURN DUCT RISER
	HEATING/ VENTILATING UNIT (SEE SCHEDULE)
	AIR CONDITIONING UNIT (SEE SCHEDULE)
	EXHAUST FAN (SEE SCHEDULE)
	RADIATION (SEE SCHEDULE)
	FLEX DUCT (SIZE AS SHOWN ON DWGS.)
	THERMOSTAT
	MOTORIZED DAMPER
	VOLUME DAMPER



KEY PLAN



ADDITIONS AND ALTERATIONS TO THE
MANSFIELD PUBLIC SCHOOLS
 MANSFIELD, CONNECTICUT

ANNIE VINTON ELEMENTARY SCHOOL
 306 STAFFORD ROAD
 MANSFIELD CENTER, CONNECTICUT

APPLIED THERMODYNAMICS ASSOCIATES, INC.
 CONSULTING ENGINEERS
 SUITE #10, 10 HIGGINS HIGHWAY
 MANSFIELD CENTER, CT 06250
 (203) 458-4554

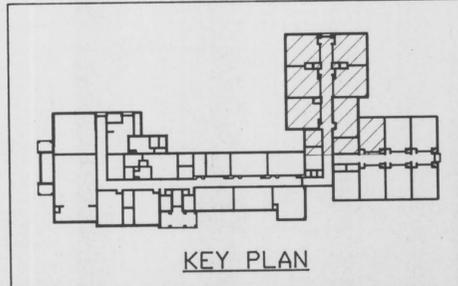
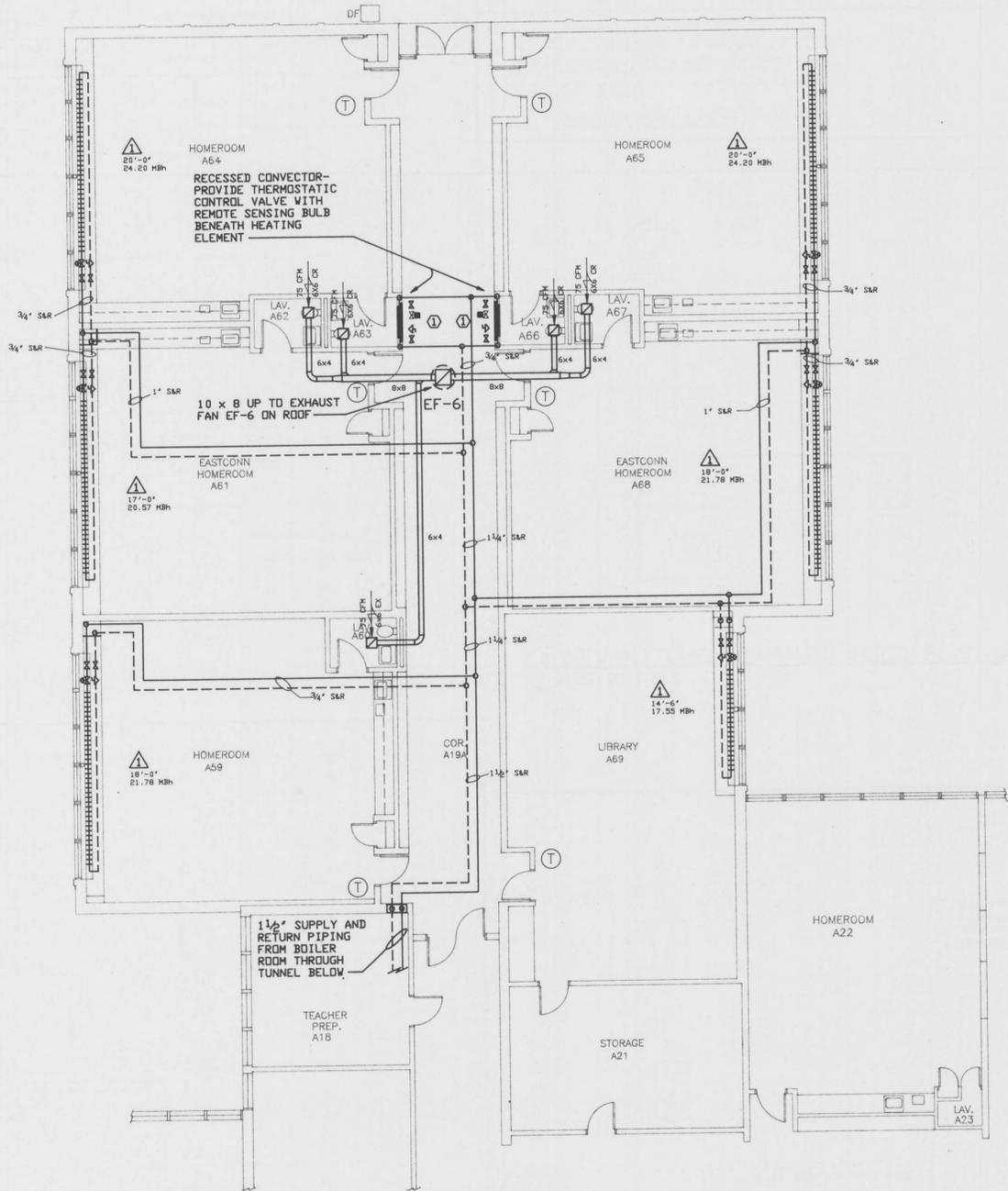
REV. FEB 08 1990

DATE: AUG 21 1984
 DRAWN BY: KAH
 PROJECT NUMBER: 8812

MECHANICAL PLAN SOUTH

SCALE: 1/8" = 1'-0"
MA-3

SCHOENHARDT ARCHITECTS
 ONE MARIANO PLACE · STURBURY · CT 06770



STEAM CONVERSION EQUIPMENT LIST

CODE	ITEM	DESCRIPTION	MANUFACTURER/MODEL
①	STEAM CONVERTER	U-TUBE, STEAM IN SHELL, 700 MBH, 72 GPM, T in = 170°F, T out = 190°F, FOULING FACTOR = 0.0005, 2-PASS	DUNHAM BUSH 2SV06 - 71
②	TEMPERATURE REGULATOR	VAPOR PRESSURE TEMPERATURE PILOT WITH INERTION PROBE. MAIN VALVE 2", Cv = 31.	SPENCE REGULATOR PILOT - T14 MAIN - TYPE E2
③	AIR SEPARATOR	CENTRIFUGAL WITH STRAINER	TACO AC 25 F
④	CIRCULATOR	IN-LINE CIRCULATOR - 2 REQUIRED, 72 GPM @ 46 FT HEAD, CAST IRON, BRONZE FITTED, 7.60" PROPELLER 2 HP MOTOR 240 V/1 PH. PUMP SELECTOR SWITCH, ONE STARTER.	TACO 1619 (CUSTOM)
⑤	F & T TRAP	1 1/4" FLOAT & THERMOSTATIC, TRIM WITH GATE VALVES, FOR LOW PRESSURE SERVICE	DUNHAM-BUSH 40-515
⑥	F & T TRAP	3/4" FLOAT & THERMOSTATIC, TRIM WITH GATE VALVES, FOR LOW PRESSURE SERVICE	DUNHAM-BUSH 40-215
⑦	EXPANSION TANK	DIAPHRAGM-TYPE HYDRO PNEUMATIC TANK, FLOOR MOUNTED, 32 GAL NOMINAL, 11.5 GAL ACCEPTANCE	AMTRDL SX - 60 V
⑧	MULTIPURPOSE VALVE	COMBINATION SHUT-OFF, BALANCE, METERING AND CHECK VALVE - 2" SIZE	TACO MPR 020

EXHAUST FAN SCHEDULE

FOR ANNIE VINTON SCHOOL

NUMBER	LOCATION	MODEL	MANUFACTURER	CFM @ S.P.	H.P.	MOUNTING	VOLTS	#	NOTES
EF-1	CAFETERIA	GB-300	GREENHECK	2400 @ 200 @ 1/2"	1"	ROOF	240	1	2-SPEED, 50% REDUCTION, DUAL WINDING MOTOR. PROVIDE GREENHECK GPF ROOF CURB WITH AT SOUND ATTENUATOR.
EF-2	GYM	GB-300		3100 @ 200 @ 1/2"	1"				2-SPEED, 50% REDUCTION, DUAL WINDING MOTOR. PROVIDE GREENHECK GPF ROOF CURB WITH AT SOUND ATTENUATOR.
EF-3	KITCHEN STORAGE	SP-5		48 @ 1/4"	1/15	CEILING	120		PROVIDE ROOF CAP AND BACKDRAFT DAMPER
EF-4	NURSE	SP-6		75 @ 1/4"	1/15				PROVIDE ROOF CAP AND BACKDRAFT DAMPER
EF-5	KILN RM.	GB-0-4-R2		275 @ 1/4"	1/4	ROOF	240		PROVIDE SWITCH WITH PILOT LIGHT
EF-6	CORRIDOR	CSP-1S2		375 @ 1/4"	1/4	CEILING	120		PROVIDE ROOF CAP AND BACKDRAFT DAMPER
EF-7	LAV A05	SP-6		75 @ 1/4"	1/15				PROVIDE ROOF CAP AND BACKDRAFT DAMPER
EF-8	LAV A07A	SP-6		75 @ 1/4"	1/15				PROVIDE ROOF CAP AND BACKDRAFT DAMPER
EF-9	KITCHEN EX. HOOD	CLUB 36-15		6800 @ 3/4"	1 1/2	ROOF	240	1	U.L. LISTED FOR GREASE LADEN VAPORS

NOTES:
 1) EXHAUST FANS IN GYM AND STAGE SHALL BE INTERLOCKED WITH SMOKE DETECTOR SUCH THAT POWER WILL BE INTERRUPTED IF THE SMOKE DETECTOR IS ACTIVATED.
 2) PROVIDE PREFABRICATED ROOF CURBS FOR ALL ROOF MOUNTED FANS, EQUAL TO GREENHECK MODEL GPF, EXCEPT FOR EF-1 AND EF-2 USE TYPE GPF.
 3) PROVIDE MOTORIZED DAMPERS FOR ALL ROOF MOUNTED FANS AND BIRDSCREEN FOR ALL FANS AND ROOF CAPS.
 * TWO - SPEED MOTORS ARE NOT AVAILABLE IN LESS THAN 1 HP SIZES. HP SHOWN DOES NOT REFLECT ACTUAL BHP FOR THE FAN.

MAKEUP AIR FAN SCHEDULE

NUMBER	LOCATION	MODEL	MANUFACTURER	CFM @ S.P.	H.P.	MOUNTING	VOLTS	#	NOTES
MA-1	KITCHEN	LSF-22	GREENHECK	5200 @ 5/8"	1	ROOF	240	1	PROVIDE PREFABRICATED ROOF CURB AND MOTORIZED DAMPER, EQUAL TO GREENHECK MODEL GPF.



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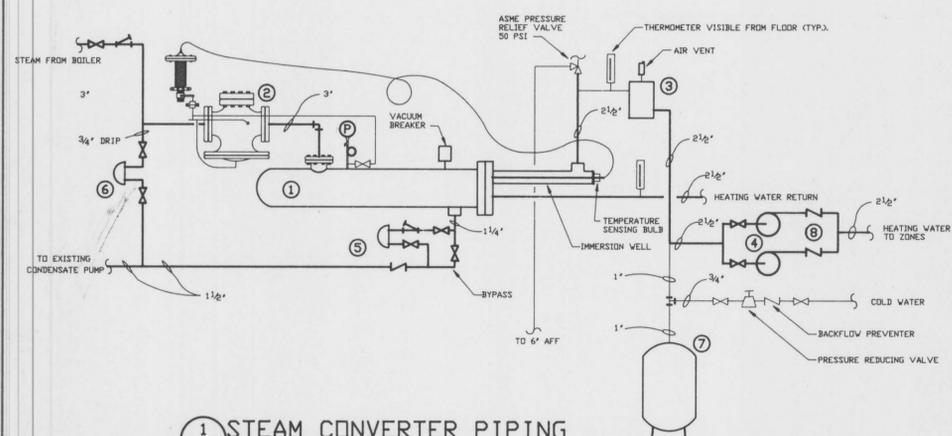
REV. FEB 08 1999

DATE: AUG 21 1999
 DRAWN BY: MES
 PROJECT NUMBER: 8812

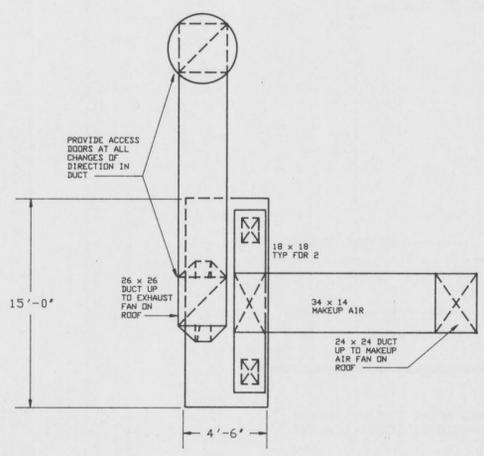
SCHEDULES AND DETAILS
 SCALE: 1/4" = 1'-0"

MA-4

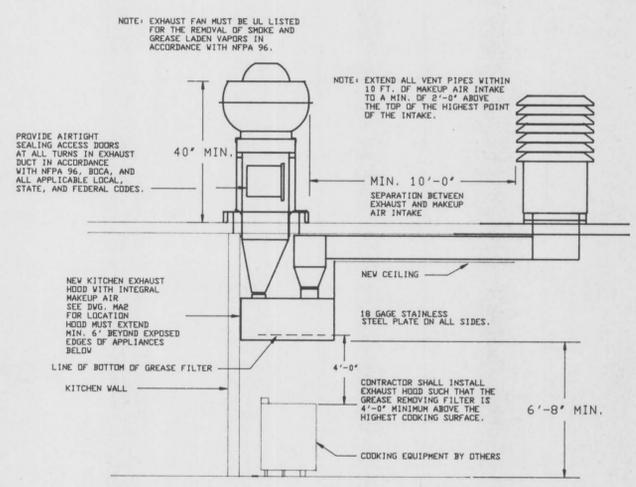
SCHOENHARDT ARCHITECTS
 ONE MARSHALL PLACE - STAMFORD, CT 06907



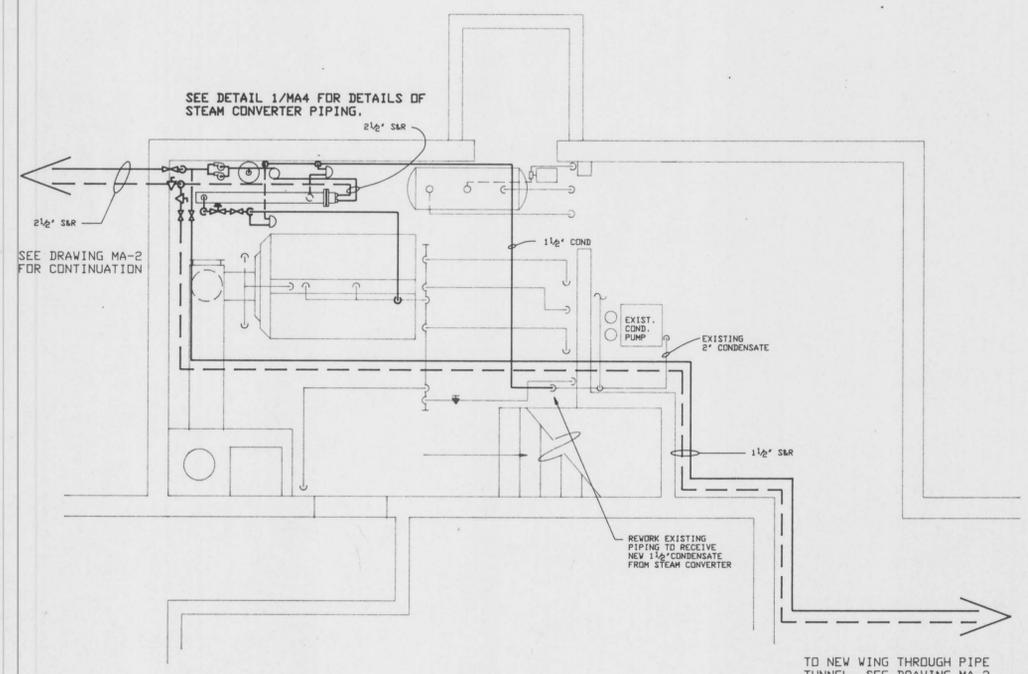
① **STEAM CONVERTER PIPING**
 MA4 NOT TO SCALE



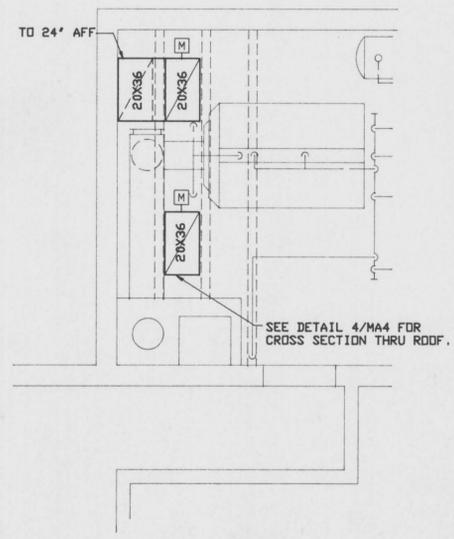
② **NEW KITCHEN EXHAUST HOOD PLAN VIEW**
 M1 NOT TO SCALE



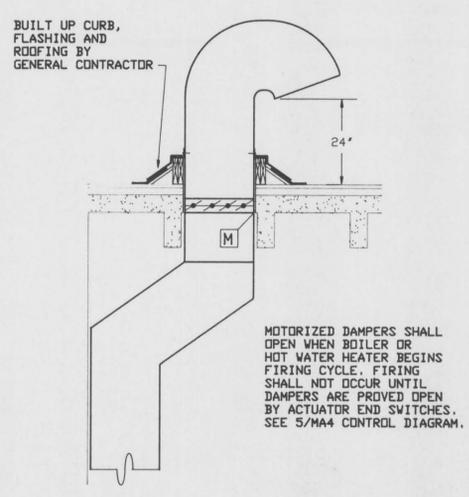
③ **NEW KITCHEN EXHAUST HOOD TYPICAL SECTION**
 M1 NOT TO SCALE



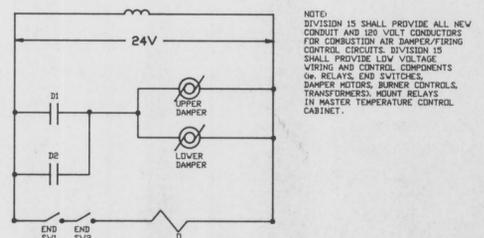
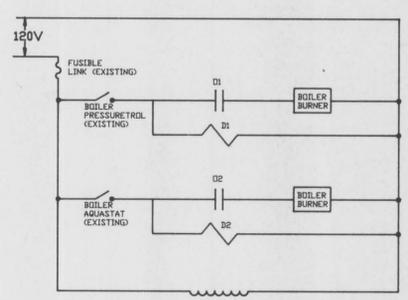
④ **BOILER ROOM PIPING LAYOUT**
 MA4 SCALE: 1/4" = 1'-0"



⑤ **COMBUSTION AIR DUCTWORK**
 MA4 SCALE: 1/4" = 1'-0"



⑥ **COMBUSTION AIR HOOD**
 MA4 SCALE: 1/2" = 1'-0"



⑦ **COMBUSTION AIR DAMPER/ FIRING CONTROL CIRCUIT**
 MA4 NOT TO SCALE

NOTES:
 DIVISION IS SHALL PROVIDE ALL NEW CONDUIT AND 120 VOLT CONDUCTORS FOR COMBUSTION AIR DAMPER/FIRING CONTROL CIRCUITS. DIVISION IS SHALL PROVIDE LOW VOLTAGE WIRING AND CONTROL COMPONENTS OR RELAYS AND SWITCHES. DAMPER MOTORS, BURNER CONTROLS, TRANSFORMERS, HEAT RELAYS IN MASTER TEMPERATURE CONTROL CABINET.



BID ADDENDUM NO. 1
June 1, 2016

ATTACHMENT B
MAP OF VINTON SCHOOL

FIRE EXIT ROUTE

PLEASE POST

ANNIE E. VINTON
ELEMENTARY SCHOOL

Enrichment
Program
And
Before/After
School
Program

