

INTERIOR RENOVATIONS
to the
TRUMBULL POLICE DEPARTMENT
158 EDISON ROAD
TRUMBULL, CONNECTICUT

RFP #6320

December 13, 2018

CLARIFICATIONS

DRAWING A-7.0 – OVERALL ROOF PLANS

The existing roofing is not under current warrantee. The General Contractor can utilize a roofing contractor of their choice to perform all roofing work necessary to patch and repair existing roofing for new roof penetrations as noted on the drawings.

DRAWING E-1.1 – LOWER LEVEL FLOOR PLAN – ELECTRICAL

Electrical Contractor to provide power circuits to wardrobe lockers as indicated. Wardrobe Locker Manufacturer (section 10 51 13) to furnish modular electrical plug and play kit to include two (2) receptacles for each wardrobe locker being installed. Electrical Contractor to provide necessary wiring from circuits indicated to junction boxes adjacent to wardrobe locker outlet connection in ceiling space of locker rooms.

REQUEST FOR INFORMATION

Question: On plan P-1.1 note on gas line refers us to M drawings for continuation yet there is no gas on M drawings.

Answer: The drawing (P-1.1) calls out for 1-1/2"G to the HVAC equipment. The note to refer to the M drawings was simply for the Plumbing Contractor to coordinate the exact location of the gas connection on the HVAC unit with the Mechanical Contractor. Plumbing Contractor to make all necessary connections as required.

Question: Has a second walk-through date / time been scheduled?

Answer: The Trumbull Police Department will be made available for viewing on **Monday, December 17th at 10:00am**. All visitors to report to the Information Counter within the Public Lobby.

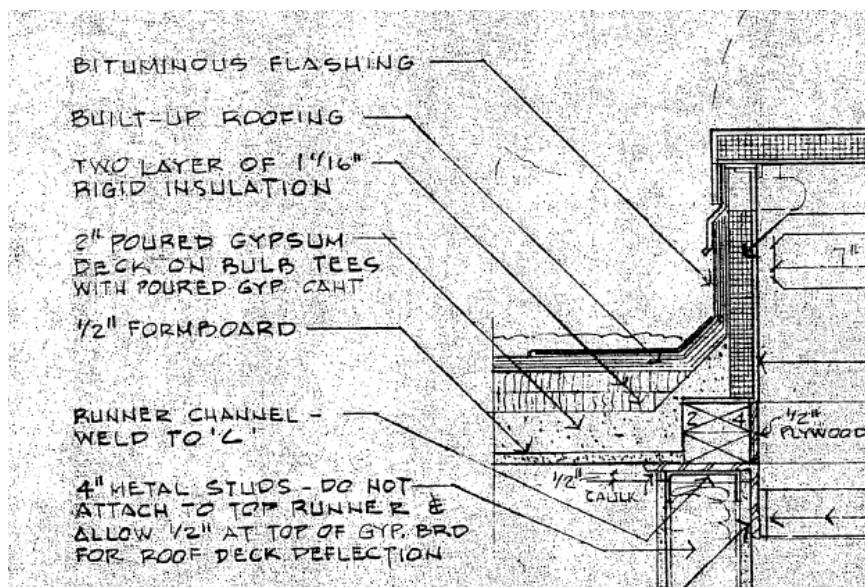
Question: Drawing M-5.3 list Alerton Controls. Drawing M-5.2 indicates DDC interface to the Town Wide central DDC controls. Alerton Controls are utilized in the Town's School District. We do not have a DDC Head-End on the Town's Municipal side. Listed below are the associated questions.

- The Alerton control system can operate as a stand-along DDC control system for this project. Please advise.
- We can incorporate the project's controls into the Alerton Trumbull School District DDC head-end. Please advise.

Answer: Alerton Controls is only listed in the specifications as an acceptable manufacturer for duct mounted sensors.

Question: What is the existing roofing composition? Membrane, insulation type and thickness, type of roof deck, etc.

Answer: Drawings from the original construction indicate the following roofing composition: Built-up roof construction over 2-1/8" rigid insulation over poured gypsum on 1/2" form board. Detail illustration below.



CHANGES TO SPECIFICATIONS

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

DELETE Subparagraph 9.2 – “Minority Owned Business Enterprise Goal” in its entirety. All proposals shall comply with Equal Opportunity Employment Practices. This project does not have minority-owned business or small business enterprise goals.

DIVISION 1 - FINISHES

SECTION 01 20 00 – ALLOWANCES

ADD Section 01 20 00 – ALLOWANCES in its entirety (attached) General Contractor to include \$20,000 allowance amount within their Base Bid Proposal for additional abatement beyond the scope as outlined within the specifications. This allowance amount will be for work that may be encountered within corridors, firing range, or areas beyond that identified within the specifications.

SECTION 01 50 00 – TEMPORARY FACILITIES

3.3 – TEMPORARY CONSTRUCTION AND SUPPORT FACILITIES INSTALLATION

SUBPARAGRAPH J – TEMPORARY TOILETS

ADD subparagraph 5 as follows:

5. Six-month rental and service agreement for the Owner's Temporary Toilets as indicated in subparagraph 3 listed above shall anticipate one (1) service call per week for the duration of the rental period. If additional service calls are required beyond that stated above, the Owner shall be responsible for additional costs incurred.

DIVISION 9 - FINISHES**SECTION 09 65 00 – RESILIENT FLOORING AND BASE**

ADD Paragraph 1.7 – EXTRA MATERIALS as follows:

1.7 – EXTRA MATERIALS

- A. Furnish extra materials that matches products installed and that are packaged with protective covering for storage and identified with labels describing contents.
- B. Furnish, as a minimum, one (1) box of flooring material for every fifty (50) boxes or fraction thereof, for each type of flooring material specified, for each color flooring material being utilized on the project, and for each pattern of flooring material being installed.
 1. Extra Material shall be labeled and turned over to the Owner in sealed boxes, original condition.
 2. No extra material shall be required for base, adhesives, or accessory products.

CHANGES TO DRAWINGS**M-0.3 - FLOW AND CONTROL DIAGRAMS - MECHANICAL**

See attached revised drawing with the following revisions incorporated:

- Removed Ebtron flow meters on HVAC-4 RA and SA, flow meters shall be provided by unit manufacturer
- Removed HVAC-4 dashed line for clarification

M-3.1 – SCHEDULES - MECHANICAL

See attached revised drawing with the following revisions incorporated:

- EF-10 motor requirements changed from 208V/ 3-PH to 208V/ 1-PH
- Clarification: basis of design air handlers are BACnet compatible
- HVAC-4 shall be furnished with barometric relief dampers

E-1.2 – ROOF PLAN - ELECTRICAL

See attached revised drawing with the following revisions incorporated:

- Revised fan EF-10 branch circuit and circuit breaker to correspond with a 208V, 1Ø load

ATTACHMENTS

SECTION 01 20 00 – ALLOWANCES, 2 pages

M-0.3 - FLOW AND CONTROL DIAGRAMS – MECHANICAL, revised 12/13/18

M-3.1 – SCHEDULES - MECHANICAL, revised 12/13/18

E-1.2 – ROOF PLAN - ELECTRICAL, revised 12/13/18

END OF ADDENDUM NO. 1

TRUMBULLPD.LOCKERROOMRENOVATIONS.ADDENDUM.ADDNDM1

SECTION 01020 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Instructions to Bidders, AIA Document A201 - 2007, "General Conditions of the Contract for Construction", the Supplementary General Conditions and Division 1, General Requirements, are a part of this Section and shall be binding on the Contractor and or Subcontractor who performs this Work. Note also all Addenda.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements governing handling and processing allowances. Allowances shall be included in Contractor's Bid Proposal and Contract Sum.
- B. Types of allowances required include the following:
 - 1. Lump sum-allowance for additional abatement of applied spray fireproofing beyond the base bid scope as indicated in the specifications.
- C. Expenditure of allowances shall be as directed by the Owner, in accordance with procedures for submitting and handling Change Orders which are included in General Conditions, AIA Document A-201.

1.3 SUBMITTALS

- A. Submit proposals for expenditures related to allowances, in the form specified for Change Orders.
- B. Submit invoices or delivery slips to indicate actual quantities of materials delivered to the site for use in fulfillment of each allowance.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 INSPECTION

- A. Inspect products covered by an allowance promptly upon delivery for damage or defects.

3.2 PREPARATION

A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related construction activities.

3.3 SCHEDULE OF ALLOWANCES

A. **Included** in the General Contractor's Bid Proposal is the following Allowance:

1. **Additional Abatement of Existing Spray Fireproofing: \$20,000**
 - a. It is understood that the General Contractor has included within their Base Bid proposal an amount of money to provide complete abatement of existing spray fireproofing as further defined within Asbestos Abatement Specifications, Trumbull Police Department, Lower Level, 158 Edison Road, Trumbull, CT, dated October 31, 2018 (85 pages), as prepared by Chem Scope, Inc., North Haven, CT
 - b. It is further understood that there are multiple areas that are not readily identified which would also involve disturbing the existing spray fireproofing. These areas include, but are not limited to: salvaged lights re-hung at the firing range, firing range baffles, new hangers within corridors for new mechanical / plumbing fixtures, etc.
 - c. General Contractor shall include within their Base Bid Proposal an allowance amount of twenty thousand dollars (\$20,000.00) to perform this additional abatement, in excess of the base contract scope as outlined within Asbestos Abatement Specifications, Trumbull Police Department, Lower Level, 158 Edison Road, Trumbull, CT, dated October 31, 2018 (85 pages), as prepared by Chem Scope, Inc., North Haven, CT

END OF SECTION 01020

REMARKS:
1 ADDENDUM NO. 01 DECEMBER 19, 2016

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FLOW AND CONTROL DIAGRAMS - MECHANICAL

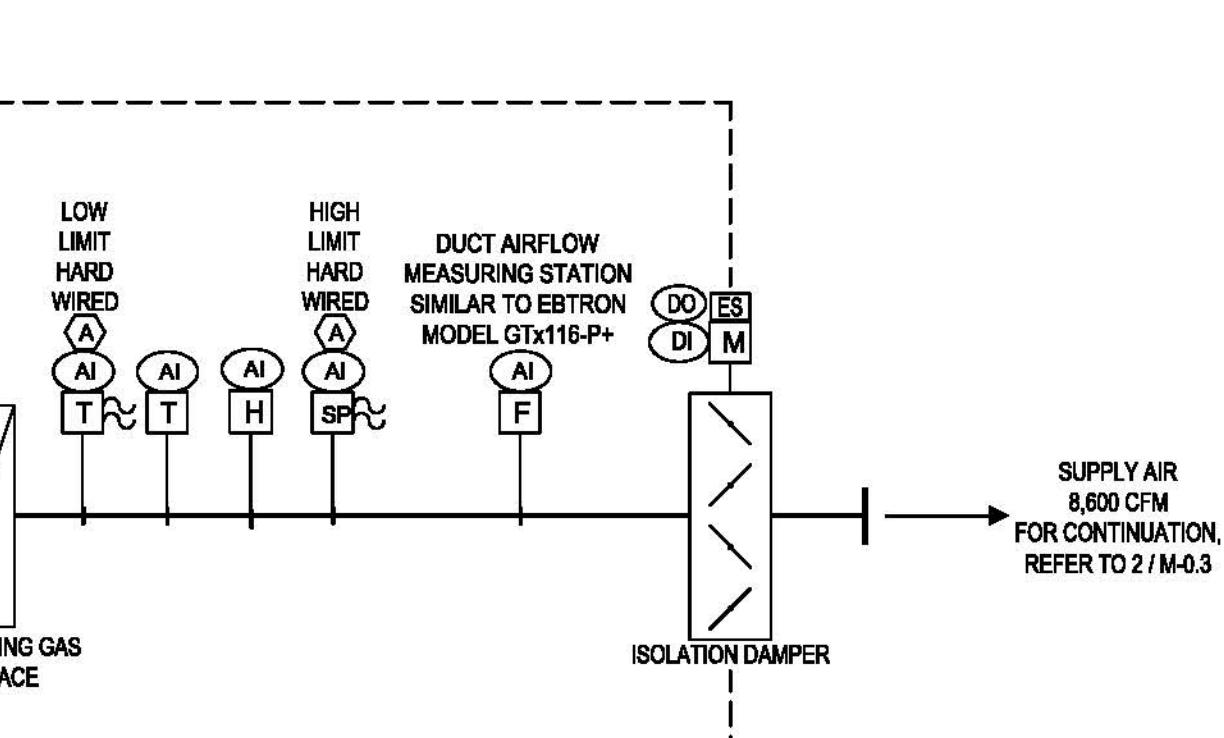
PROJ. NO. JH1020 DRAWING NO.
SCALE As Noted
DATE NOVEMBER 8, 2016
M-0.3

MECHANICAL CONTROLS SYMBOL LIST

AI	ANALOG INPUT
AO	ANALOG OUTPUT
CS	CURRENT SENSOR
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DIFFERENTIAL PRESSURE TRANSMITTER
ES	END SWITCH
F	FLOW MEASURING STATION
H	ROOM HUMIDISTAT / HUMIDITY SENSOR
HL	HUMIDITY SENSOR
L	HIGH LIMIT HUMIDISTAT
M	ELECTRONIC LIQUID LEVEL SENSOR
MS	DAMPER/VALVE MOTOR
P	MOTOR STARTER
PS	PRESSURE SENSOR
SD	SMOKE DETECTOR, FURNISHED AND WIRED BY DIVISION 26 CONTRACTOR AND MOUNTED BY DIVISION 23 CONTRACTOR
SP	STATIC PRESSURE SENSOR
TC	TEMPERATURE CONTROL PANEL
T	THERMOSTAT**
TA	TEMPERATURE SENSOR (NO ADJUSTMENT)
TFD	TAMPER-PROOF TEMPERATURE SENSOR (FOR USE IN CELL BLOCKS)
VFD	VARIABLE FREQUENCY CONTROLLER*
VS	VARIABLE SPEED FAN SWITCH
COIL	COIL
OB	OPPOSED BLADE DAMPER
PF	PUMP / FAN
DIS	DISCONNECT
HW	HARDWIRED

ALL SYMBOLS MAY NOT BE USED IN THESE DOCUMENTS.
* REFER TO VARIABLE FREQUENCY CONTROLLER CONTROL DIAGRAM FOR REQUIRED CONTROL POINTS FOR ALL VFD & VS SYMBOLS INDICATED.
** REFER TO SPACE THERMOSTAT CONTROL DIAGRAM FOR REQUIRED CONTROL POINTS FOR ALL T SYMBOLS INDICATED.

SEQUENCE OF OPERATIONS - MAU-1	
A. GENERAL	RE-HEAT CONTROLS SHALL MODULATE OPEN TO MAINTAIN SPACE TEMPERATURE. IF AFTER 15 MINUTES, THE RELATIVE HUMIDITY HAS NOT RETURNED TO SET POINT, THE DISCHARGE TEMPERATURE SHALL BE DROPPED BY 1°F, THIS SEQUENCE SHALL CONTINUE UNTIL THE HUMIDITY LEVEL RETURNS TO WITHIN THE 2% OF THE SETPOINT FOR MORE THAN 30 MINUTES, THEN THE UNIT SHALL RETURN TO SPACE TEMPERATURE CONTROL.
D. FIRING RANGE OPERATION	1. THE UNIT SHALL CYCLE ON AND OFF AT 50% (ADJ) AIRFLOW BASED ON TEMPERATURE SETPOINT, AND MANUALLY VIA AN OPERATING INTERFACE IN THE OBSERVATION ROOM. TEMPERATURE SETPOINT ADJUSTMENT DURING NORMAL OPERATING MODE SHALL BE ACCOMPLISHED THROUGH UNITY CONTROLS WIFI ENABLED THERMOSTAT.
1. A CONTROL PANEL FOR MANUAL UNIT OPERATION SHALL BE PROVIDED IN THE FIRING RANGE OBSERVATION ROOM FOR FULL SPEED MANUAL OPERATION OF THE SYSTEM. THE UNIT SHALL RUN FOR A PREDETERMINED SET TIME BASED ON USERS REQUIREMENTS. THE CONTROLLER SHALL HAVE A TABLET STYLE INTERFACE WITH FUNCTIONS CLEARLY OUTLINED AND VENTILATION STATUS CLEARLY DENOTED. DEFAULT SCENE SELECTION SHALL BE PER OWNER'S DIRECTION. TEMPERATURE ADJUSTMENT SHALL BE AVAILABLE. CONTRACTOR TO FURNISH DDC UNIT CONTROLLER.	
2. UNIT CONTROLLER VIA UNITY CONTROL THERMOSTAT SHALL MODULATE DX COOLING AND GAS HEATING TO MAINTAIN REQUIRED AHU DISCHARGE SET POINT TEMPERATURE AND SPACE HUMIDITY DURING UNOCCUPIED TIMES.	
B. UNOCCUPIED MODE	1. WHEN THE UNIT IS DISABLED, THE SUPPLY FAN SHALL BE OFF, RETURN AIR RAFA-1 SHALL BE OFF, RETURN AIR AND OUTSIDE AIR DAMPERS SHALL BE CLOSED. UNIT MOUNTED JOCKEY EXHAUST FAN SHALL RUN CONTINUOUSLY TO PROVIDE EXHAUST FOR THE FIRING AREA.
C. NORMAL OPERATING MODE	1. WHEN THE UNIT IS ENABLED BASED ON A CALL FROM A SPACE TEMPERATURE/HUMIDITY SENSOR, THE SUPPLY FAN SHALL START AT 50% (ADJ) OF THE DESIGN AIRFLOW. OUTSIDE AIR DAMPERS MODULATE OPEN. RETURN AIR FAN SHALL TRACK SUPPLY AIR FAN RPM AND MODULATE SPEED TO MAINTAIN A CONSTANT NEGATIVE AIRFLOW DIFFERENTIAL EQUIVALENT TO THE EXHAUST FLOW FOR EF-1. DEFAULT SCENE 1 ARRANGEMENT SHALL BE UTILIZED. ON A CALL FOR COOLING, THE DX CYCLE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT (75°F ADJUSTABLE). ON A CALL FOR HEATING, THE GAS FURNACE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT (70°F ADJUSTABLE). WHEN THE DISCHARGE TEMPERATURE HAS LOWERED TO 55°F AND THERE IS A FURTHER RISE IN SPACE TEMPERATURE, THE SUPPLY AIRFLOW SHALL INCREASE VIA THE VARIABLE FREQUENCY DRIVE. UPON A DROP IN SPACE TEMPERATURE THE SUPPLY AIRFLOW SHALL DECREASE AND THE DX COOLING DEENERGIZE. UPON A CALL FOR FURTHER HEATING, THE GAS FURNACE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
F. ENTHALPY ECONOMIZER	A. PROVIDE UNIT WITH AN ENTHALPY CONTROLLED ECONOMIZER. WHEN OUTSIDE AIR ENTHALPY IS LESS THAN RETURN AIR ENTHALPY AND A CALL FOR COOLING HAS BEEN INITIATED, A PID LOOP COMPARING ACTUAL TEMPERATURE TO ITS CALCULATED SETPOINT, SHALL MODULATE THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER. WHEN THE OUTDOOR ENTHALPY EXCEEDS THE RETURN AIR ENTHALPY, THE ECONOMIZER CYCLE SHALL BE DISABLED. THE DX COOLING CYCLE SHALL ENERGIZE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT, AND THE OUTSIDE AIR DAMPER SHALL RETURN TO ITS PREDETERMINED SETPOINT. POSITION OF OUTSIDE AIR DAMPER SHALL BE OVERRIDDEN BY MIXED AIR LOW LIMIT AND SUPPLY AIR SETPOINT.



PROJ. NO. JH1020 DRAWING NO.
SCALE As Noted
DATE NOVEMBER 8, 2016
M-0.3

NOTES

1. REPLACE EXISTING 125A/2P CIRCUIT BREAKER LABELED "BASEMENT A/C" IN NORMAL DISTRIBUTION SECTION OF MDP WITH 150A/3P CIRCUIT BREAKER TO ENERGIZE HVAC-4. CIRCUIT BREAKER SHALL BE COMPATIBLE WITH EXISTING SWITCHBOARD. CONNECT WITH 3#10 + #6G. REUSE EXISTING CONDUIT PREVIOUSLY SERVING REMOVED UNIT. EXTEND CONDUIT AS REQUIRED.
2. PANELBOARD CIRCUIT NUMBERS ARE NOT TO INDICATE ACTUAL AVAILABLE CIRCUIT NUMBERS IN THE PANELBOARD, BUT SHOULD BE USED TO DELINATE BETWEEN CIRCUITS. E.C. SHALL FIELD VERIFY AVAILABLE CIRCUITS AND UPDATE ALL PANELBOARD DIRECTORIES.
3. PROVIDE 20A/2P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD. CONNECT WITH 2#12 + G. REUSE EXISTING CONDUIT PREVIOUSLY SERVING REMOVED FAN. EXTEND CONDUIT AS REQUIRED.
4. EXTEND EXISTING FIRE ALARM BRANCH CIRCUIT ON FLOOR BELOW TO NEW FIRE ALARM DEVICE. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING.
5. RECEPTACLE SHALL BE ENERGIZED BY EXISTING NEARBY BRANCH CIRCUIT SERVING CORRIDOR ON FLOOR BELOW. EXTEND CONDUIT AND WIRE AS REQUIRED.

RFP 6320

REMARKS:
1 APPENDIX No. 01 DECEMBER 19, 2016

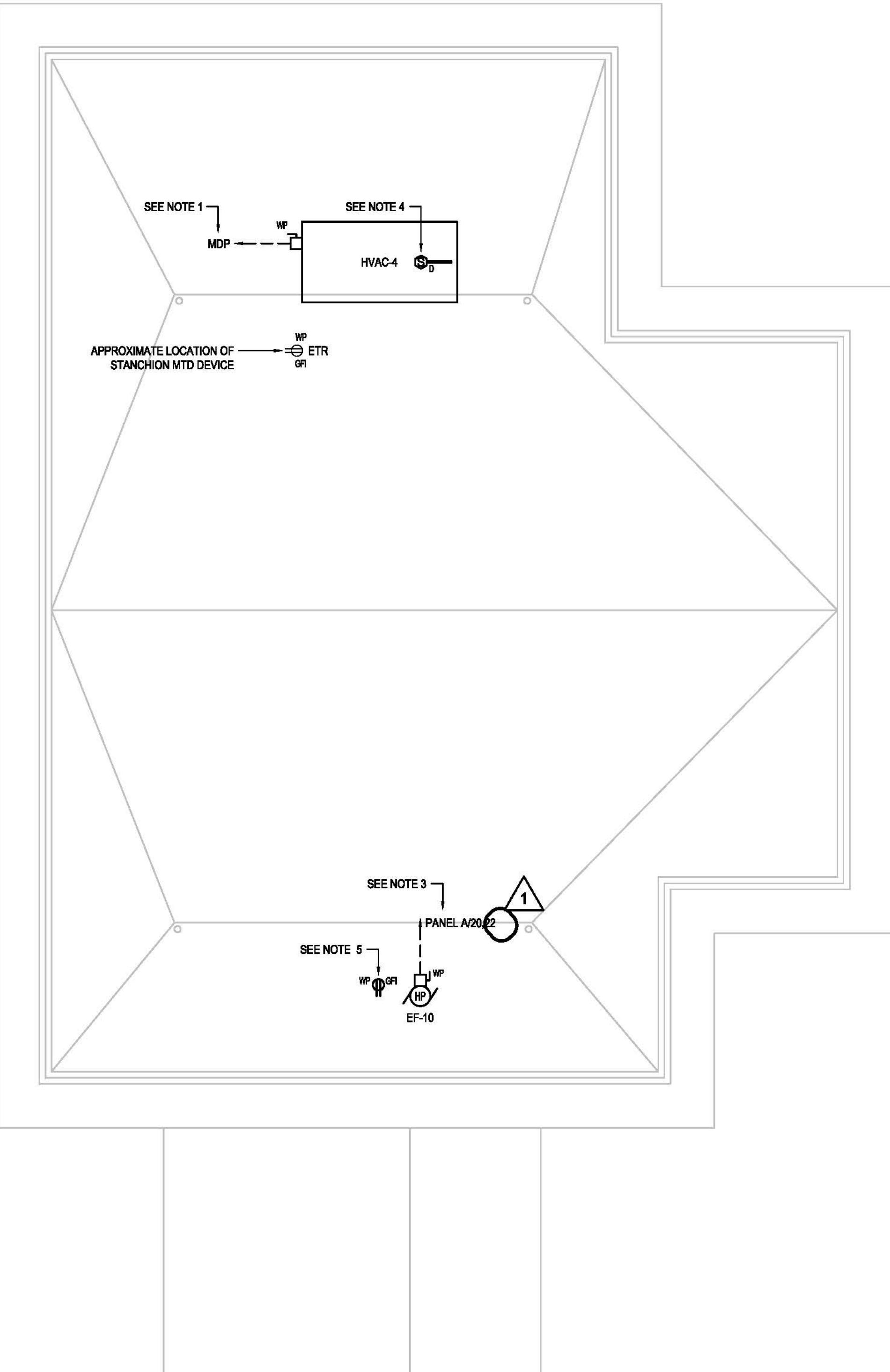


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INTERIOR RENOVATION TO THE TRUMBULL POLICE DEPARTMENT

158 EDISON ROAD

TRUMBULL, CONNECTICUT



1 ROOF PLAN
E-1.2 Scale: 1/8"=1'-0"

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JACUNSKI HUMES
ARCHITECTS, LLC

15 MASSIRIO DRIVE
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ROOF PLAN- ELECTRICAL

PROJ. NO.	DRAWING NO.
	JH6320
SCALE	As Noted
DATE	NOVEMBER 8, 2016

E-1.2