

**THE TOWN OF TRUMBULL  
DEPARTMENT OF PUBLIC WORKS**

**CONTRACT DOCUMENTS FOR  
SECURITY UPGRADES AT**

**TRUMBULL TOWN HALL  
TAX COLLECTOR'S OFFICE**

**5866 MAIN STREET  
TRUMBULL, CONNECTICUT 06611**

**TOWN OF TRUMBULL DEPARTMENT OF PUBLIC WORKS  
5866 MAIN STREET  
TRUMBULL, CONNECTICUT 06611**

**DEPT OF PUBLIC WORKS DIRECTOR  
JOHN MARSILIO**

**JUNE, 2016**  
**SALAMONE  
&  
ASSOCIATES P.C.**  
**CONSULTING ENGINEERS**

116 North Plains Industrial Road  
Wallingford, Connecticut 06492  
Phone: (203) 281-6895 Fax: (203) 287-8728

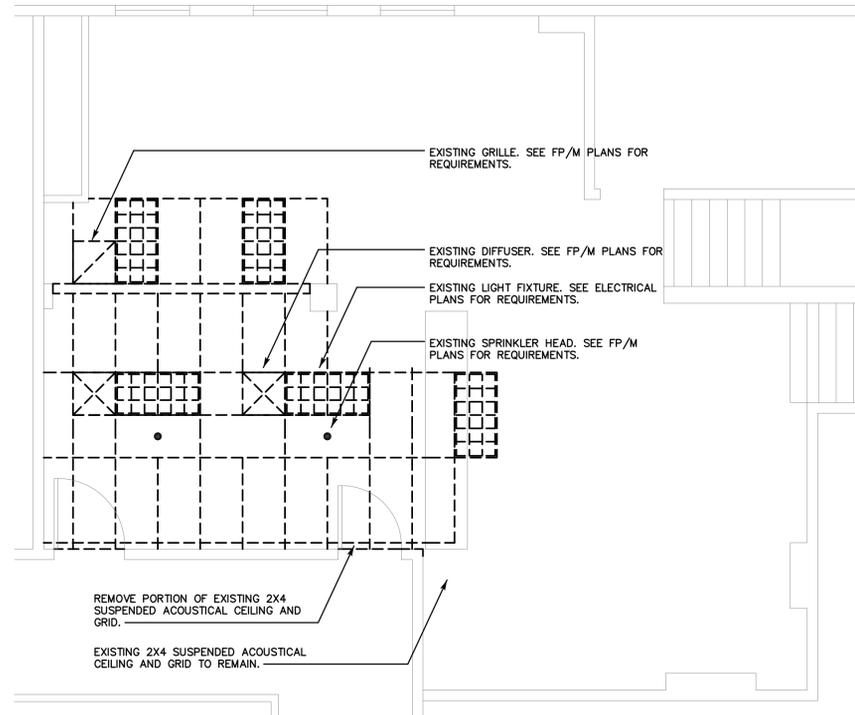
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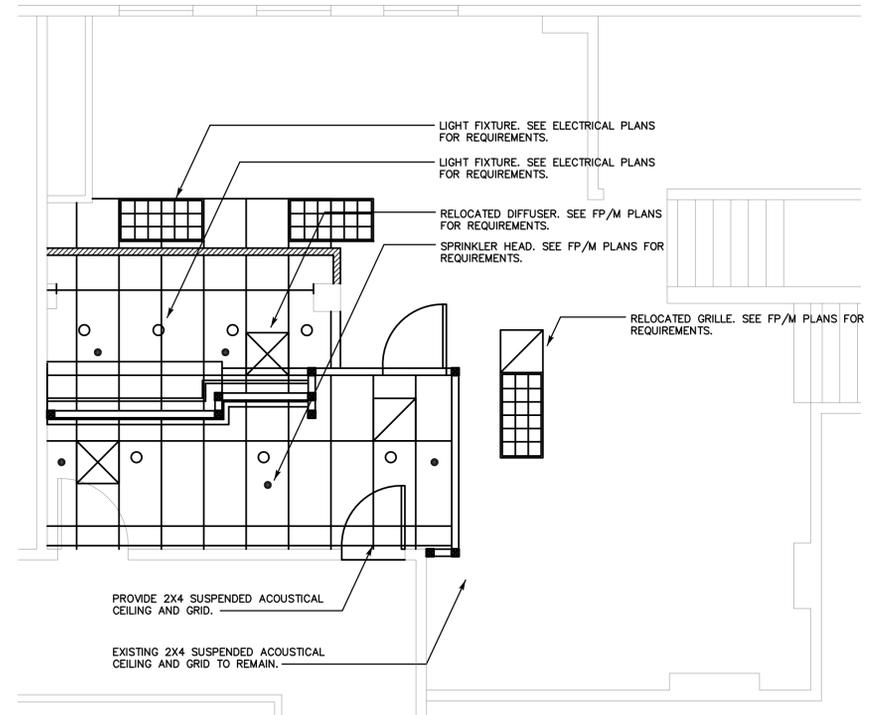


**LOCATION MAP**





**REFLECTED CEILING DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"



**REFLECTED CEILING PLAN**  
SCALE: 1/4"=1'-0"

REV.	DESCRIPTION	DATE

CONSULTANT:  
**SALAMONE & ASSOCIATES, P.C.**  
CONSULTING ENGINEERS  
116 North Plains Industrial Road  
Wallingford, Connecticut 06492  
Phone: (203) 281-6896 Fax: (203) 287-8728

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NOTES:

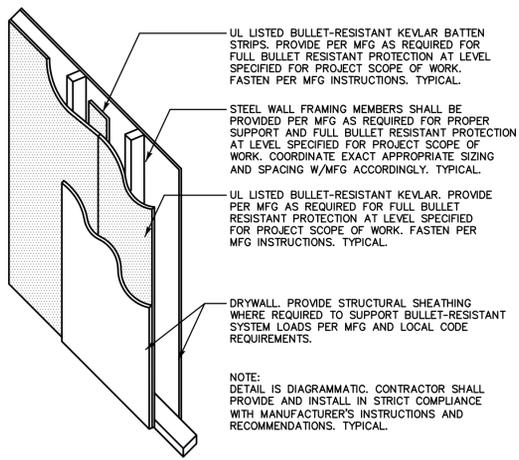
PROJECT TITLE  
CONTRACT DOCUMENTS FOR SECURITY UPGRADES AT  
**TRUMBULL TOWN HALL TAX COLLECTOR'S OFFICE**  
TRUMBULL, CONNECTICUT

DRAWING TITLE  
**DEMOLITION AND PROPOSED REFLECTED CEILING PLANS**

JOB NO.	849 3987.01
PROJECT MANAGER	JAS
ENGINEER/DESIGNER	SJS
DRAWN BY	SJS
SCALE	AS NOTED
DATE	JUNE, 2016
CAD FILE: TRUMBULL TOWN HALL/L-2	

SEAL:

DRAWING NO.  
**L-2**



**TYPICAL BULLET-RESISTANT WALL AND SOFFIT ASSEMBLY**

SCALE: N.T.S.

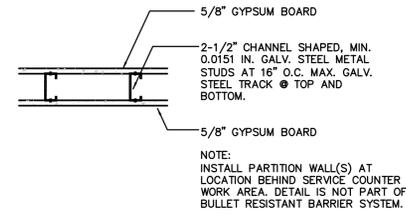
- BULLET-RESISTANT BARRIER NOTES:**
1. CONTRACTOR SHALL PROVIDE LEVEL 3, BULLET-RESISTANT BARRIER SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL LAMINATED POLYCARBONATE GLAZING, BULLET-RESISTANT ALUMINUM FRAMING, SOFFITS, WALLS, DOOR, COUNTER WITH BULLET TRAP CURRENCY TRAYS, AS WELL AS (KEVLAR) LEVEL 3 PROTECTION AT ALL COUNTERS, WALLS, SOFFITS WITHIN PROJECT SCOPE OF WORK. TOTAL SECURITY SOLUTIONS OR APPROVED EQUAL.
  2. CONTRACTOR SHALL PROVIDE ALL SYSTEM COMPONENTS AND MATERIALS IN COMBINATION AS REQUIRED BY UL AND MFG FOR FULL LEVEL 3 PROTECTION, TYPICAL.
  3. CONTRACTOR SHALL PROVIDE KEVLAR AT PROPOSED SERVICE COUNTERS AND MILLWORK, WALLS AND SOFFITS. PROVIDE THROUGHOUT AS REQUIRED FOR FULL COVERAGE OF LEVEL 3 PROTECTION. PROVIDE KEVLAR BATTEN STRIPS AT ALL JOINTS AND ANY/ALL MATERIALS AND ACCESSORIES AS REQUIRED, TYPICAL.
  4. CONTRACTOR SHALL PROVIDE LEVEL 3 BULLET-RESISTANT ALUMINUM FRAMING SYSTEM, PROVIDE ALL FRAMING AND ASSOCIATED COMPONENTS AND ACCESSORIES AS REQUIRED FOR COMPLETE LEVEL 4 PROTECTION.
  5. CONTRACTOR SHALL PROVIDE LEVEL 3 BULLET-RESISTANT SOLID DOOR AND FRAMING, PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED BY MFG FOR INSTALLATION. DOOR AND ASSOCIATED HARDWARE SHALL BE ANSI/ADA COMPLIANT, PROVIDE AND INSTALL ACCORDINGLY.
  6. CONTRACTOR SHALL PROVIDE LEVEL 3 BULLET-RESISTANT LAMINATE COUNTER SYSTEM WITH CURRENCY TRAYS WITH BULLET TRAPS, TYPICAL.
  7. CONTRACTOR SHALL PROVIDE LEVEL 3 BULLET-RESISTANT COMMUNICATION ENHANCEMENT DEVICE AT EACH OF THREE SERVICE COUNTER STATIONS, SPEAKER AND BACKING, TYPICAL.
  8. ALL FINISHES/COLORS BY OWNER FROM MFG STANDARD SELECTIONS. CONTRACTOR SHALL PROVIDE SAMPLES AND COORDINATE ACCORDINGLY.
  9. CONTRACTOR SHALL PROVIDE ALL BLOCKING, SUPPORTS AND ANCHORAGE AS REQUIRED FOR INSTALLATION AND SUPPORT OF PROPOSED SERVICE COUNTER BULLET-RESISTANT BARRIER SYSTEM, ALL WALLS, STUDS, FRAMING, ETC. SHALL BE PROVIDED AS REQUIRED TO SUPPORT PROPOSED BULLET-RESISTANT SYSTEM PER MFG AND LOCAL CODE REQUIREMENTS, TYPICAL.
  10. FIELD VERIFY ALL DIMENSIONS, ENSURING PROPER FIT AND INSTALLATION OF ALL MATERIALS AND COMPONENTS REQUIRED FOR PROPOSED WORK AND LEVEL 3 BULLET-RESISTANT PROTECTION SYSTEM INSTALLATION. ANY DISCREPANCIES IN DIMENSIONS AND CONDITIONS IMPEDING PROPER INSTALLATION OF SAID WORK, SYSTEM AND ASSOCIATED COMPONENTS, AND COST OF ANY CHANGES OR REVISIONS THEREFORE INCURRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY SUCH REVISIONS, REPLACEMENTS OR CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO OWNER, TYPICAL.

- DEMOLITION NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS, TYPICAL.
  2. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
  3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS, TYPICAL.
  4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
  5. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED.
  6. BUILDING WILL BE OCCUPIED DURING ALL PHASES OF CONSTRUCTION. CONTAIN AND CONTROL CONSTRUCTION DEBRIS SO AS NOT TO INTERFERE WITH DAILY OPERATION OF BUILDING. KEEP EGRESS PATHS FREE FOR DAILY OPERATION OF BUILDING.
  7. DURING THE PHASING OF CONSTRUCTION ALL EXISTING SYSTEMS SERVING OCCUPIED AREAS ARE TO BE MAINTAINED IN USE. CONTRACTOR SHALL PERFORM WORK SO AS TO ENSURE CONTINUED OPERATION IN THESE OCCUPIED AREAS.
  8. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK, TYPICAL.

**EXISTING CONDITIONS NOTE:**

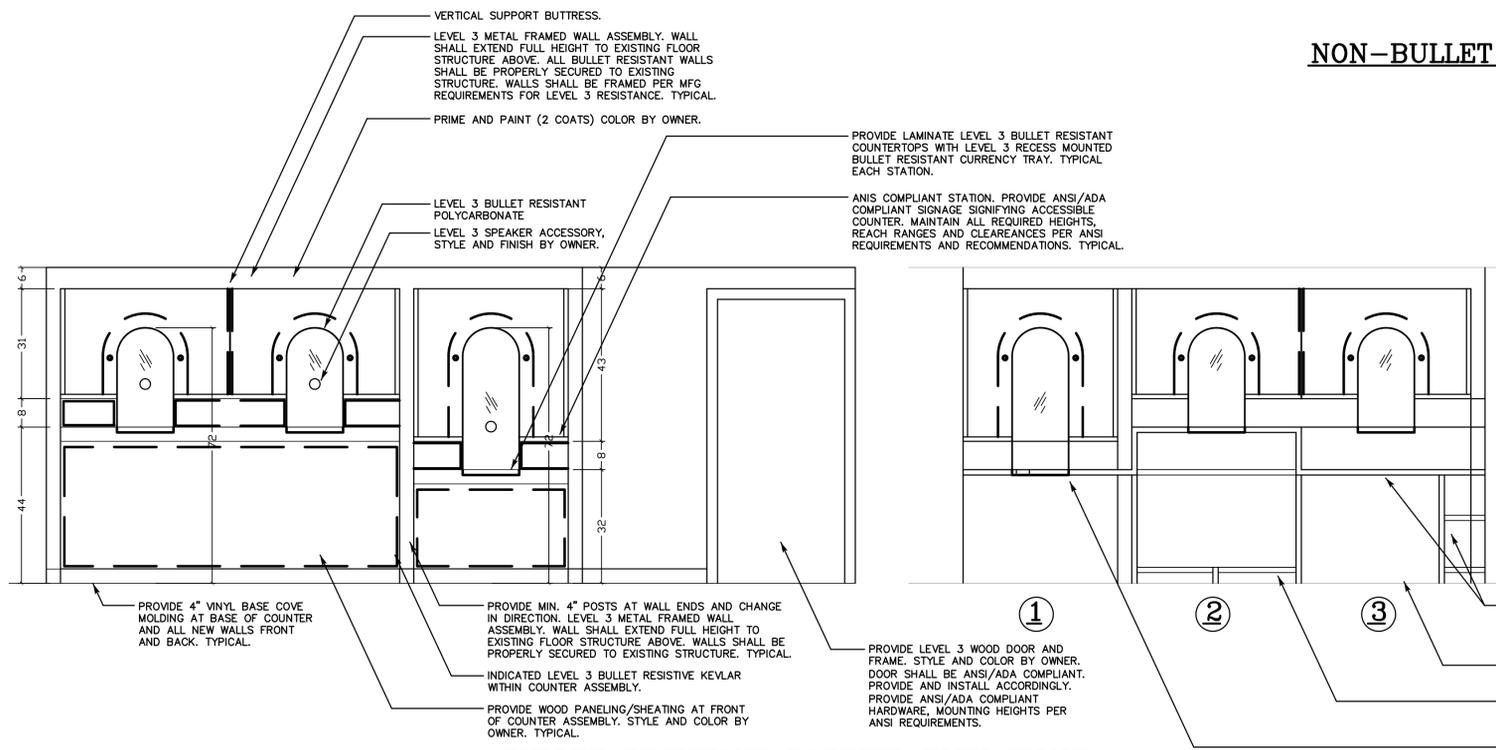
THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

- PROPOSED WORK NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS, TYPICAL.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
  3. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. CONTRACTOR SHALL COORDINATE ALL PHASING OF WORK WITH OWNER, TYPICAL.
  4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.



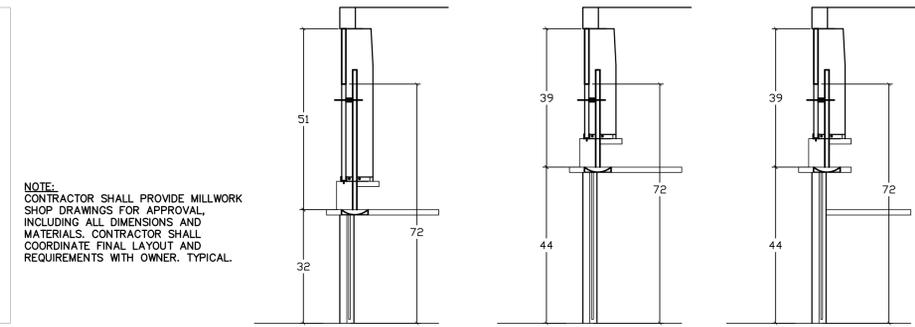
**NON-BULLET RESISTANT PARTITION WALL**

SCALE: N.T.S.



**BULLET RESISTANT BARRIER ELEVATIONS**

SCALE: N.T.S.



**COUNTER SECTIONS**

SCALE: N.T.S.

REVISIONS		
REV.	DESCRIPTION	DATE

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 Wallingford, Connecticut 06492  
 Phone: (203) 281-6895 Fax: (203) 287-8728

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**NOTES:**

PROJECT TITLE  
 CONTRACT DOCUMENTS FOR SECURITY UPGRADES AT  
**TRUMBULL TOWN HALL TAX COLLECTOR'S OFFICE**  
 TRUMBULL, CONNECTICUT

DRAWING TITLE  
**DETAILS, ELEVATIONS AND NOTES**

JOB NO.	849 3987.01
PROJECT MANAGER	JAS
ENGINEER/DESIGNER	SJS
DRAWN BY	SJS
SCALE	AS NOTED
DATE	JUNE, 2016
CAD FILE:	TRUMBULL TOWN HALL/L-3

SEAL:

DRAWING NO.  
**L-3**



SYMBOL LIST	
☒	RELOCATED SUPPLY AIR DIFFUSER.
☑	NEW OR RELOCATED RETURN AIR GRILLE.
	NEW INSULATED FLEX DUCTWORK.
+	EXISTING VOLUME DAMPER
□	EXISTING VAV BOX LOCATION.
•	SPRINKLER HEAD

MECHANICAL REGISTER & GRILLE SYMBOL LIST				
SYMBOL	DESCRIPTION	SIZE	O.B. DAMPER	ARRANGEMENT/MISC.
(A)	CEILING RETURN GRILLE	20x20	YES	KREUGER ALUMINUM CONSTRUCTION, MODEL 585

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
BDD	BACK DRAFT DAMPER
CFM	CUBIC FEET PER MINUTE
FD	FIRE DAMPER
FT	FEET
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OBD	OPOSED BLADE DAMPER
SPK	SPRINKLER

- | GENERAL NOTES |  |
|---------------|--|
| 1.            | DRAWINGS ARE DIAGRAMMATIC. THEY INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED. ORIGINAL ARCHITECTURAL DRAWINGS AND DETAILS SHALL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE THEY ARE NOT DEFINITELY LOCATED, THE INFORMATION SHALL BE OBTAINED FROM THE OWNER OR AUTHORIZED REPRESENTATIVE.  |
| 2.            | UNLESS OTHERWISE INDICATED, PROVIDE COMPLETE AND OPERATIONAL MECHANICAL SYSTEMS INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.  |
| 3.            | UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT. INSTALL PER N.E.C.   |
| 4.            | ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.   |
| 5.            | THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.  |
| 6.            | ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.   |
| 7.            | THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)."  |
| 8.            | THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL, AND CONNECT COMPLETELY."   |
| 9.            | SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING, OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL, OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS, AND DETAILING REQUIRED, THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK. |
| 10.           | MECHANICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST, THUS, REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.   |
| 11.           | CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.  |
| 12.           | TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.   |
| 13.           | THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE. WHERE CONTRACTOR SUBSTITUTES EQUIPMENT REQUIRING A DIFFERENT SYSTEM CONFIGURATION, HE SHALL BE RESPONSIBLE FOR PROVIDING INSTALLATION SHOP DRAWINGS AND ALL RELATED ACCESSORY EQUIPMENT FOR A COMPLETE SYSTEM INSTALLATION.   |
| 14.           | BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.   |
| 15.           | BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.   |
| 16.           | ALL WORK SHALL BE DONE IN ACCORDANCE WITH (THE LATEST ACCEPTED):<br>A. CONNECTICUT BUILDING CODE<br>B. INTERNATIONAL PLUMBING CODE<br>C. SUPPLEMENT<br>D. INTERNATIONAL MECHANICAL CODE<br>E. ANSI STANDARDS   |
| 17.           | LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAYBE MADE TO ALLOW FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER OR HIS AUTHORIZED REPRESENTATIVE FOR REVIEW.  |
| 18.           | ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS IN THE BUILDING REQUIRED FOR THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE OWNER ACCORDINGLY. IN THE EVENT OF FAILURE TO GIVE SUFFICIENT NOTICE TO THE CONTRACTOR IN TIME TO ARRANGE FOR OPENINGS DURING CONSTRUCTION, ASSUME ALL COSTS OF PROVIDING SUCH OPENINGS THEREAFTER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSEMBLY AND DISASSEMBLY OF EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN ITS FINAL LOCATION.  |
| 19.           | UNLESS OTHERWISE INDICATED, PROVIDE 14 GAUGE GALVANIZED PIPE SLEEVES TWO (2) SIZES LARGER THAN THE PIPE OR INSULATION WHERE SUCH ASSEMBLIES PENETRATE WALLS, PARTITIONS, FLOORS, OR STRUCTURAL MEMBERS.  |
| 20.           | ALL VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.  |
| 21.           | UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.  |
| 22.           | CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE, AND ANCHORAGE.   |
| 23.           | UNLESS OTHERWISE INDICATED, CONTRACTOR SHALL INSULATE ALL PROPOSED SUPPLY/RETURN DUCTWORK PER SPECIFICATIONS.  |
| 24.           | FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.   |
| 25.           | ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS WHERE POSSIBLE, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.   |
| 26.           | SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.  |
| 27.           | ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.  |
| 28.           | NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.  |

**HYDRAULIC CALCULATIONS NOTE**  
PROVIDE HYDRAULIC CALCULATIONS IN COORDINATION WITH LOCAL FIRE MARSHAL.

REVISIONS		
REV.	DESCRIPTION	DATE

CONSULTANT:  
**SALAMONE & ASSOCIATES, P.C.**  
CONSULTING ENGINEERS  
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Wallingford, Connecticut 06492  
Phone: (203) 281-6896 Fax: (203) 287-8728

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CONTRACT DOCUMENTS FOR SECURITY UPGRADES AT  
**TRUMBULL TOWN HALL TAX COLLECTOR'S OFFICE**  
TRUMBULL, CONNECTICUT

DRAWING TITLE  
**FIRE PROTECTION/MECHANICAL SYMBOLS, NOTES AND ABBREVIATIONS**

JOB NO.	849 3987.01
PROJECT MANAGER	JAS
ENGINEER/DESIGNER	SJS
DRAWN BY	SJS
SCALE	AS NOTED
DATE	JUNE, 2016
CAD FILE:	TRUMBULL TOWN HALL/FP/M-2

SEAL:

DRAWING NO.  
**FP/M-2**





LUMINAIRE SCHEDULE					
LTG. CODE	DESCRIPTIONS	VOLTS	CATALOG NO./ MANUFACTURER	MOUNTING	LAMP (G.E. OR EQUAL)
'A'	6 INCH ROUND LOW PROFILE LED DOWNLIGHT, 1500 LUMEN OUTPUT, 3500K COLOR, GALVANIZED STEEL MOUNTING BARS, WHITE FLANGE, CLEAR DIFFUSER, 50,000 HOUR LIFE EXPECTANCY, 5 YEAR WARRANTY, UL LISTED.	UNV	L6RA210UVA - FRAME-IN KIT L6R15835VA - LIGHT ENGINE L6RDD - TRIM PHILIPS LIGHTOLIER	RECESSED/ CEILING	LED
'X'	LED EXIT SIGN, IMPACT RESISTANT THERMOPLASTIC WHITE HOUSING, RED FACE PLATES WITH UNIVERSAL CHEVRONS AND MOUNTING, LOW ENERGY CONSUMPTION, 90 MINUTE NICKEL CADMIUM BATTERY, UL LISTED.	120	VXL3RWEM  PHILIPS CHLORIDE	UNIVERSAL	LED

ELECTRICAL SYMBOL LIST	
 OR 	CEILING OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS EXIT SIGN SHADING INDICATES LIGHTED FACE
	DUAL HEAD EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY BACK-UP
	DUPLEX RECEPTACLE GFCI - GROUND FAULT CIRCUIT INTERRUPTER IG - ISOLATED GROUND WP - WEATHERPROOF L - LOCKABLE COVER
	SPECIAL PURPOSE CONNECTION
	SWITCH (NONE) - SINGLE POLE 2 - TWO POLE 3 - THREE WAY 4 - FOUR WAY D - DIMMER TOL - THERMAL OVERLOAD PROTECTION DEVICE
	TELEPHONE/DATA OUTLET - DATA OUTLET
	EXISTING SECURITY CAMERA
	BRANCH CIRCUIT HOMERUN (ARROWS INDICATE CIRCUIT NUMBERS)

ELECTRICAL ABBREVIATIONS	
A	AMPERES
A.F.F.	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CIR	CIRCUIT
G	GROUNDING
KAIC	INTERRUPTING CAPACITY (KILOAMPERE)
KVA	KILOVOLT-AMPERE
KW	KILOWATT
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASS.
P	POLE
UL	UNDERWRITER'S LABORATORY
UTIL	UTILITY
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
#	WIRE SIZE IN AWG, OR MCM WHEN INDICATED

ELECTRICAL GENERAL NOTES	
1.	SEE SPECIFICATIONS, DIVISION 16 ELECTRICAL.
2.	PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
3.	ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES TYPE.
4.	PROVIDE FIRE ALARM SYSTEM DEVICES.
5.	ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
6.	THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7.	ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
8.	THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
9.	THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
10.	THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
11.	THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
12.	THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
13.	ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
14.	COORDINATE ELECTRICAL WORK WITH OWNER.
15.	COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
16.	TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
17.	UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS.
18.	THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE.
19.	UNLESS OTHERWISE INDICATED, ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1.
20.	UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2.
21.	UNLESS OTHERWISE INDICATED, ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS.
22.	IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL.
23.	UNLESS OTHERWISE INDICATED, PROVIDE HEAVY-DUTY GRADE, 20 AMPERE RECEPTACLES AND SWITCHES. ALL PLATES IN FINISHED AREAS TO BE BRUSHED STAINLESS STEEL. PLATES FOR SURFACE MOUNTED INTERIOR BOXES MAY BE STAMPED STEEL. PLATES EXPOSED TO WEATHER OR WATER TO BE GASKETED, WEATHERPROOF TYPE, COLOR WHITE.
24.	BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
25.	BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
26.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70 WITH STATE OF CONNECTICUT AMENDMENTS.
27.	THE MEASUREMENT FROM ABOVE FINISHED FLOOR (AFF) SHALL BE TAKEN FROM THE FINISHED FLOOR SURFACE TO THE TOP OF WALL RECEPTACLES AND SWITCH BOXES, TO THE CENTER LINE OF WALL LIGHTING OUTLET BOXES, TO THE TOP OF WALL MOUNTED EQUIPMENT ENCLOSURES, TO THE CENTER LINE OF THE TOP MOST SWITCH HANDLE, OR TO THE LOWEST SURFACE OF CEILING LIGHTING FIXTURES OTHER CEILING MOUNTED EQUIPMENT.
28.	UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG.
29.	CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC.
30.	THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC ARTICLE 300-17, AND ARTICLE 310, NOTE 8 OF NOTES TO TABLES 310-16 THROUGH 310-19.
31.	ALL BLANK COVER PLATES TO BE STAINLESS STEEL.
32.	WALL SWITCH BOXES SHALL BE MOUNTED 46 INCHES A.F.F. RECEPTACLES SHALL BE MOUNTED 18 INCHES A.F.F.
33.	PROVIDE ELECTRICAL WIRING TO ALL APPLIANCES AND MECHANICAL EQUIPMENT.

REVISIONS		
REV.	DESCRIPTION	DATE

CONSULTANT:  
**SALAMONE & ASSOCIATES, P.C.**  
 CONSULTING ENGINEERS  
 116 North Plains Industrial Road  
 Wallingford, Connecticut 06492  
 Phone: (203) 281-6896 Fax: (203) 287-8728

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NOTES:

PROJECT TITLE  
 CONTRACT DOCUMENTS FOR SECURITY UPGRADES AT  
**TRUMBULL TOWN HALL TAX COLLECTOR'S OFFICE**  
 TRUMBULL, CONNECTICUT

DRAWING TITLE  
**ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS**

JOB NO.	849 3987.01
PROJECT MANAGER	JAS
ENGINEER/DESIGNER	SJS
DRAWN BY	SJS
SCALE	AS NOTED
DATE	JUNE, 2016
CAD FILE: TRUMBULL TOWN HALL/E-3	

SEAL:

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**E-3**