

**South Windsor Public Schools
1737 Main Street
South Windsor, CT 06074**

**SOUTH WINDSOR PUBLIC SCHOOLS
TIMOTHY EDWARDS MIDDLE SCHOOL AIR CONDITIONING FOR (4) INTERIOR
CLASSROOMS**

RFP NO. 2023-007

Addendum No. 2 – January 4, 2023

- Update to S-101 Drawing Attached
- Answers to initial RFI's

Response to RFI:

1.) **QUESTION:** Is this project tax exempt?

ANSWER: Yes

2.) **QUESTION:** Do permit fees apply?

ANSWER: Yes, educational portion only

3.) **QUESTION:** Does the refrigerant piping from the first floor comes up thru the second floor into a closet? What is the intention of routing this piping? Will there be carpentry involved or are we to use a pre-fabricated line hide of some sort to cover it?

ANSWER: There are storage closets in each room that piping can be routed. It will need to be securely fastened and properly protected from damage.

4.) **QUESTION:** I understand that the roof is no longer under warranty but can you tell me what kind/style the current roofing system is?

ANSWER: Following is roof information based on existing drawings, which is also added to S-101 drawing, the contractor should verify exact structure in field.

NOTES:

1. TOP OF STEEL (T/S) SLOPES AS SHOWN. STEEL DECK TO WARP OR BE CUT TO FIT IN AREAS OF WARPED ROOF. 20 GAGE PLATES SHALL BE PLACED OVER INTERSECTIONS OF STEEL DECK DUE TO REVERSE SPANS OR CUTTING TO FIT WARP.
2. T/S GIVEN FOR KEY POINTS FOR ROOF SLOPES.
3. (O) T/S @ EAVE FOR REFERENCE. (AUDITORIUM EAVE REFERENCE (E) IS HIGH)
4. ± () ROUNDED VALUE FOR DESCRIPTION PURPOSES. EXACT VALUES ARE STRAIGHT-LINE PROPORTIONING.
5. BEAMS INTERSECTING HAVE COMMON T/S ELEV. UNLESS NOTED OTHERWISE.
6. (O) TOP/STL. IS +21'-3 3/4" & (E) TOP/STL. IS +25'-3" ABOVE TOP OF MIDDLE LEVEL FLOOR SLAB WHICH IS AT ELEV. 222.45.
7. ALL STEEL ROOF DECK TO BE TYPE 'A' UNLESS SHOWN OTHERWISE.
8. D.B. INDICATES DIAGONAL BRACE. SEE SHEET 3-6 FOR D.B. 6"X" BRACE DETAILS.
9. SEE ARCHITECTS SECTIONS FOR EAVE L LOCATIONS.
10. PROVIDE 4" CONCRETE CHIMNEY CAP WITH 4-#4 ALL AROUND EDGES & BETWEEN FLUES.

STEEL DECK SCHEDULE						
MARK	2 SPANS CONTIN.		3 SPANS CONTIN.		MAX. SPAN	REMARKS
	REQ'D "S"	REQ'D "I"	REQ'D "S"	REQ'D "I"		
TYPE 'A'	.147	.041	.117	.025	6'-0"	_____
TYPE 'B'	.260	.096	.208	.047	8'-0"	_____
TYPE 'C'	.147	.041	.117	.025	6'-0"	ACOUSTIC

NOTE:

1. DO NOT HANG SHEET ROCK OR PLASTER CEILINGS FROM ROOF DECK.
2. ALL STEEL DECK TO BE 20 GAGE MIN.
3. ALL STEEL DECK TO BE 1 1/2" DEEP.

CODES AND STANDARDS:

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT. USE THE LATEST EDITIONS UNLESS NOTED OTHERWISE.
- a. CONNECTICUT 2022 STATE BUILDING CODE
b. "2021 INTERNATIONAL BUILDING CODE"
c. "AMERICAN INSTITUTE OF STEEL (AISC)"
d. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS - 360-"LATEST EDITION".

DESIGN DATA:

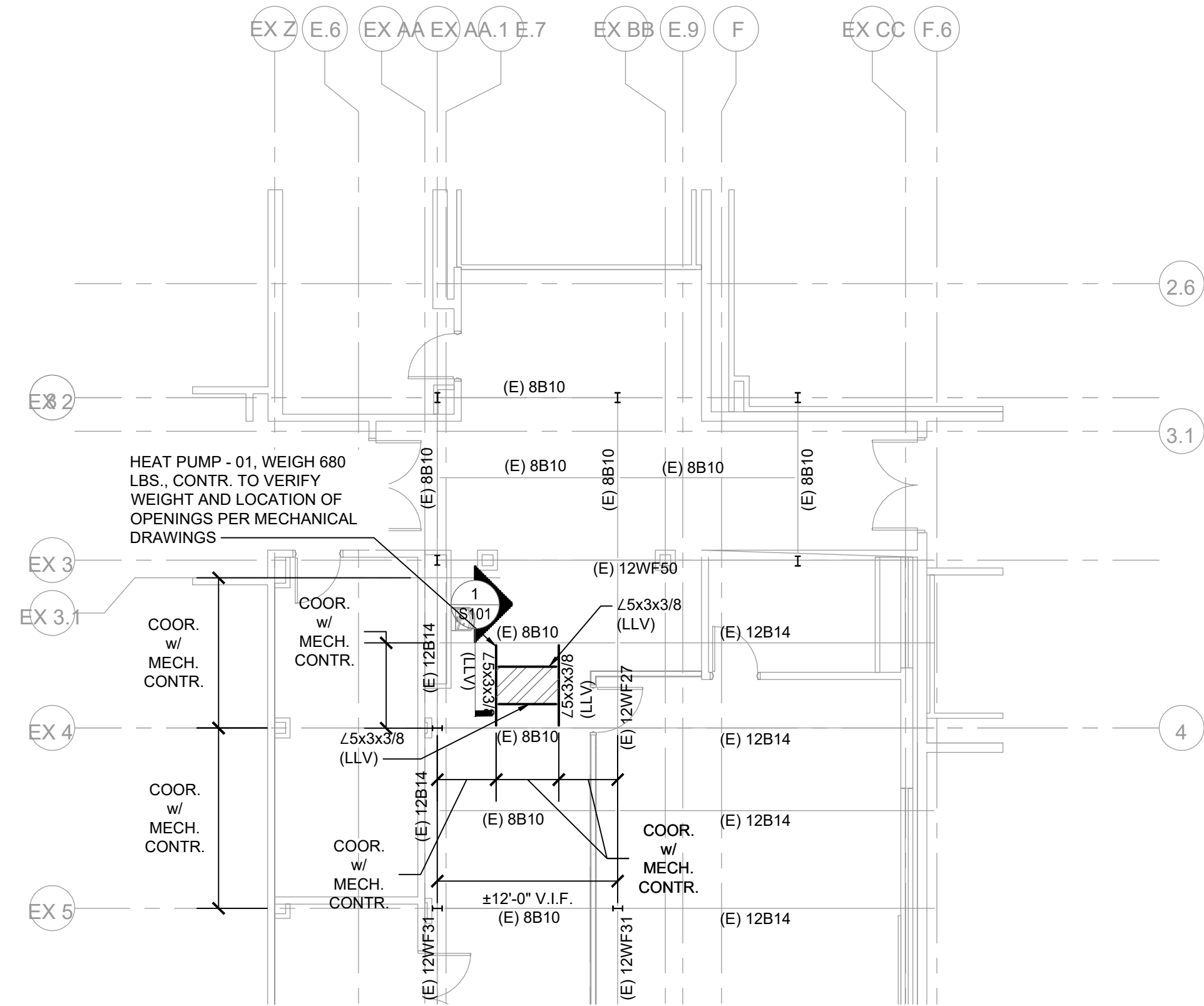
1. GRAVITY - DEAD AND LIVE LOAD
- a. EQUIPMENT - DEAD LOAD SEE ON THE PLAN
b. ROOF DEAD LOAD 14 PSF (ASSUMED)
c. ROOF LIVE LOAD 20 PSF
2. GRAVITY - SNOW LOADS
- a. GROUND SNOW LOAD (Pg) 30 PSF
b. SNOW EXPOSURE FACTOR (Ce) 0.9
c. SNOW LOAD IMPORTANCE FACTOR (I) 1.0
d. FLAT-ROOF SNOW LOAD (Pi) 30 PSF
3. LATERAL LOADS - WIND
- a. MAIN WIND-FORCE RESISTING SYSTEM: (BASED ON ASCE 7-16, CH-29, OTHER STRUCTURES AND BUILDING APPURTENANCES
b. ULTIMATE DESIGN WIND SPEED (Vult.) = 120 MPH
c. RISK CATEGORY OF BUILDING - II
d. WIND EXPOSURE CATEGORY: B

MATERIALS:

THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN CONSTRUCTION OF THIS PROJECT.

STEEL:

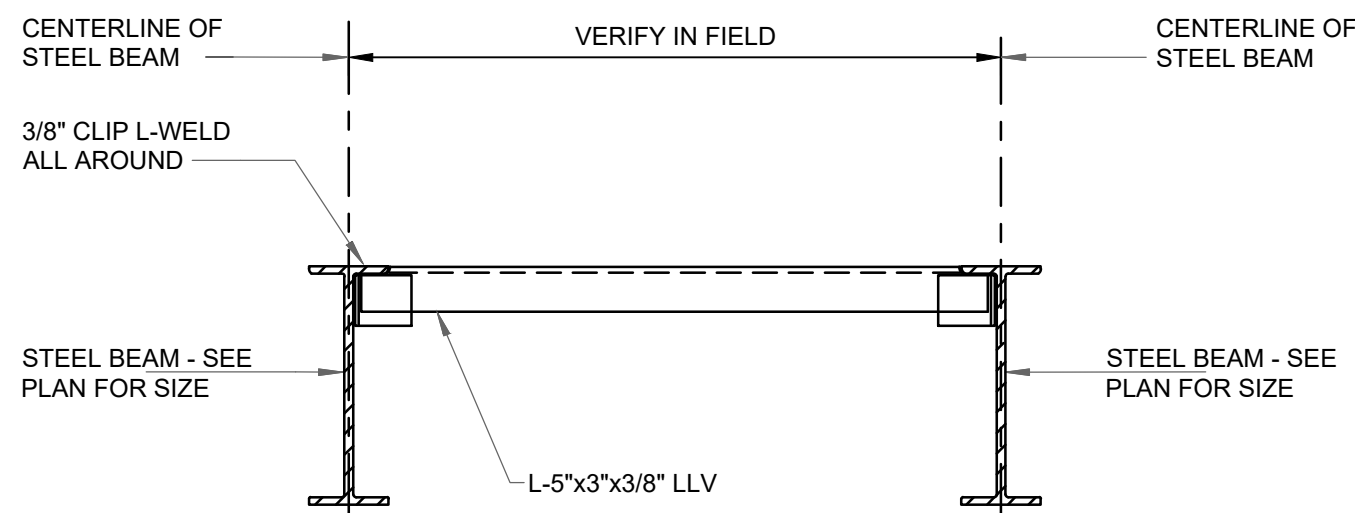
- a. WIDE FLANGE STRUCTURAL STEEL ASTM A992
b. STRUCTURAL TUBING ASTM A500, GRADE B (Fy=46 KSI)
c. STRUCTURAL SHAPES & PLATES ASTM A36
d. HIGH STRENGTH BOLTS ASTM A325-N
e. WELDING ELECTRODES AWS A5.1 OR A5.5, E70XX.



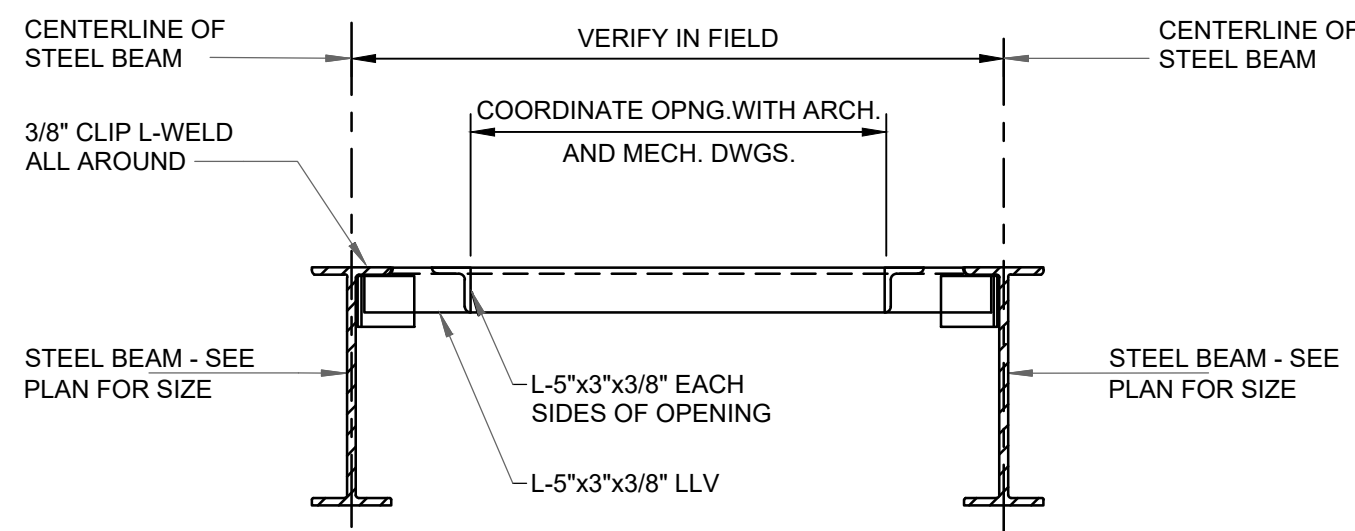
1 PARTIAL ROOF FRAMING PLAN
S101 SCALE: 1/8" = 1'-0"

NOTES:

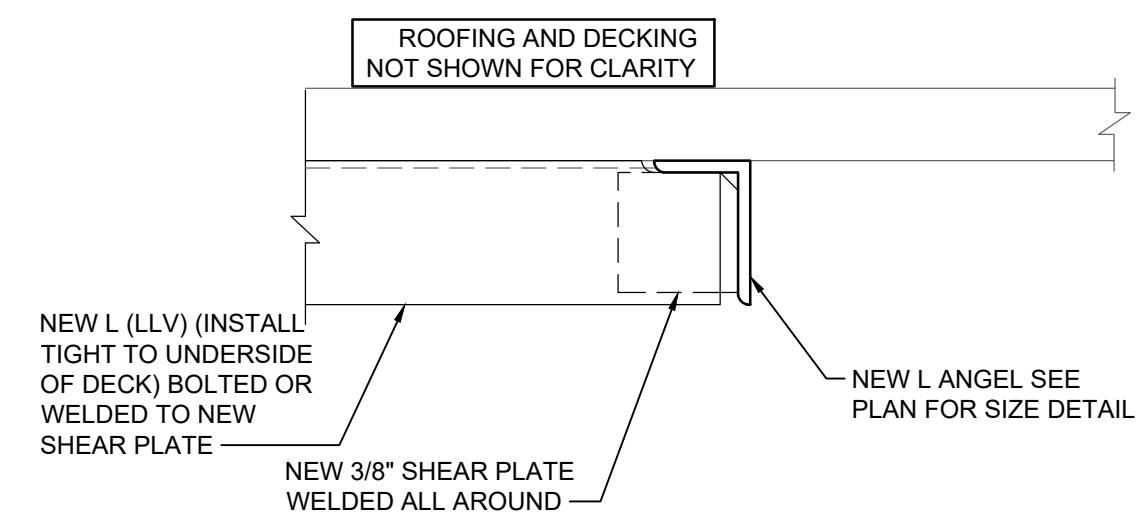
1. ROOF DECK PROFILE IS 1 1/2" DEEP, 20 GAUGE, TYPE 'A', V.I.F.
2. CUT EXISTING ROOFING, MINIMALLY, AS REQUIRED TO INSTALL ANGLE. COORDINATE EXACT LOCATIONS WITH MECH. CONTRACTOR. PROVIDE PROPER FLASHING AND WATERPROOFING AFTER NEW ANGLES ARE INSTALLED TO PROVIDE A WATERTIGHT ENCLOSURE (COORDINATE WITH ARCHITECT).
3. ALL STEEL AND CONNECTIONS EXPOSED TO THE ELEMENTS ARE TO BE HOT-DIPPED GALVANIZED.
4. CONTRACTOR TO VERIFY EXISTING STRUCTURAL ELEMENTS IN FIELD AND COORDINATE WITH MECH. DWGS. TO LOCATE THE UNIT CORRECTLY.



1 EQUIPMENT SUPPORT REINFORCEMENT TYP. DETAIL
S101 NOT TO SCALE



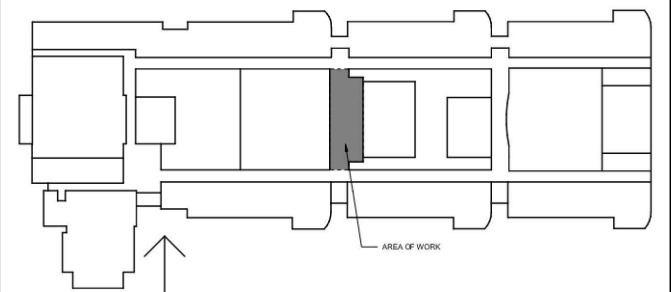
2 DUCT OPENING REINFORCEMENT TYP. DETAIL
S101 NOT TO SCALE



3 TYPICAL CONNECTION BETWEEN ANGELS
S201 SCALE: 1 1/2" = 1'-0"

SEAL

CONSULTANTS



SUBMISSION HISTORY

01/03/23 ADDENDUM #2

JOB INFO

Timothy Edwards
Middle School
A/C

100 Arnold Way, South
Windsor, CT 06074

DWG DATA

PROJECT NUMBER: 22-347
SUBMISSION DATE: 11/30/2021
DRAWN: MG
REVIEWED: CZ
SCALE: AS NOTED

DWG TITLE

PARTIAL ROOF
FRAMING PLAN,
DETAILS AN NOTES

DWG #

S-101