

SEAL/SIGNATURE:



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PROJECT:



BIBIBOP

asian grill

STREETS OF
WEST PRYOR

2050 NW LOWENSTEIN DR.
SUITE E

LEE'S SUMMIT, MO 64081

BIBIBOP STORE NO.: B0057
BIBIBOP P.O.: TBD

PROJECT NO.: 2021-019

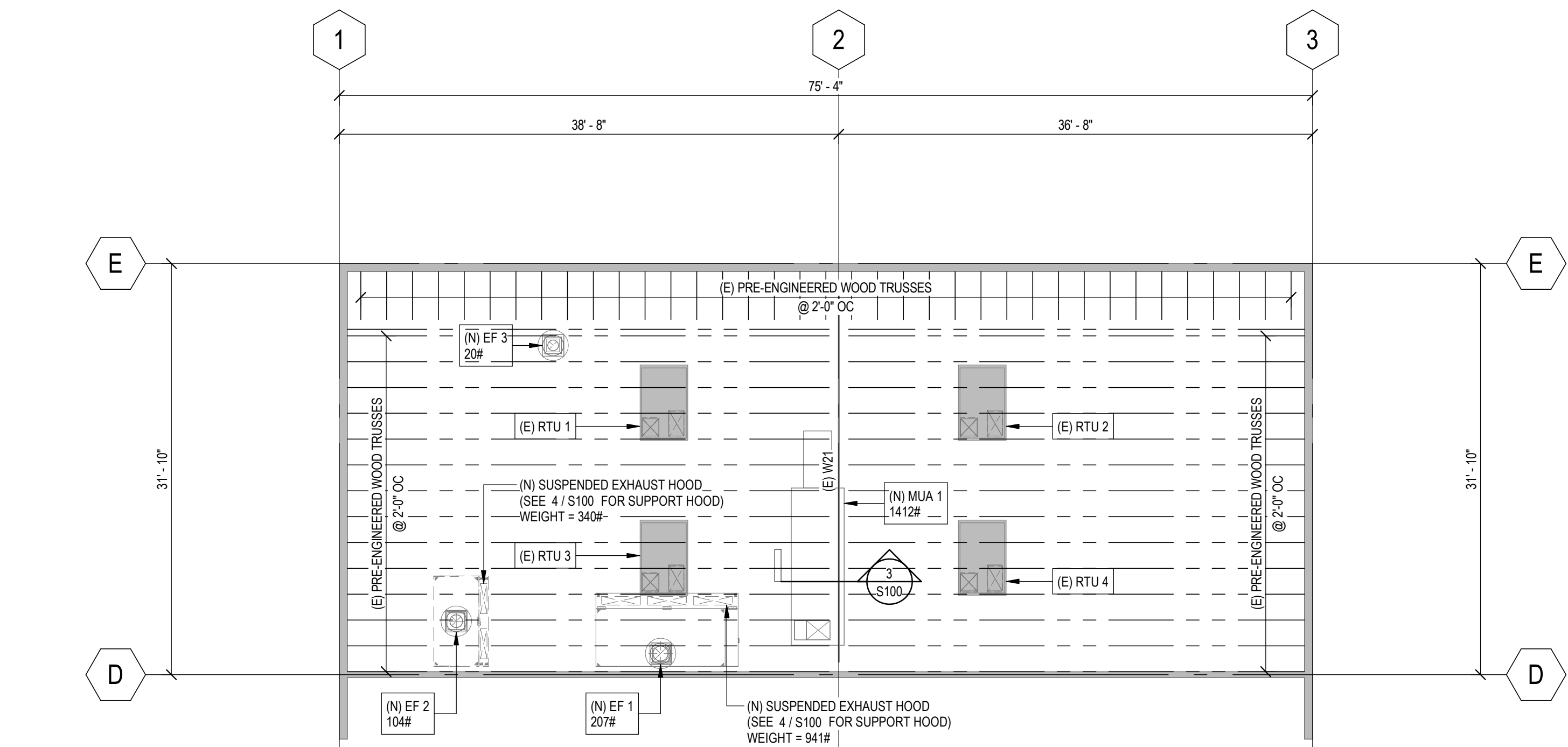
DRAWN BY: MDS

CHECKED BY: JPL

ISSUES AND REVISIONS
PERMIT ISSUE 1.25.2021

SHEET TITLE:
**PARTIAL ROOF
FRAMING PLAN &
DETAILS**

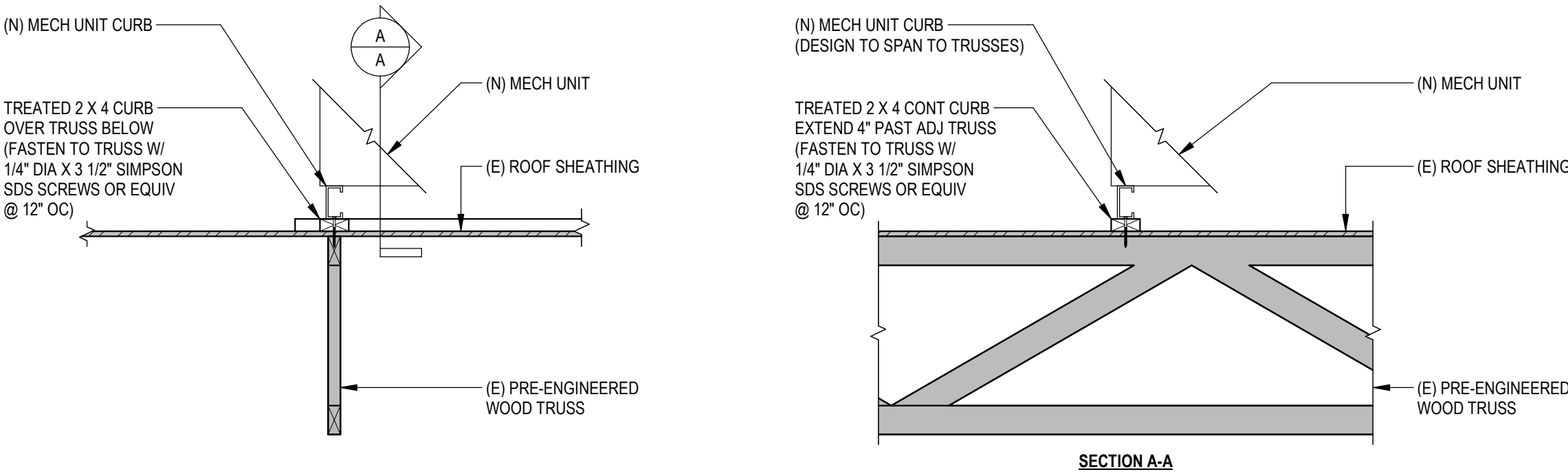
S100



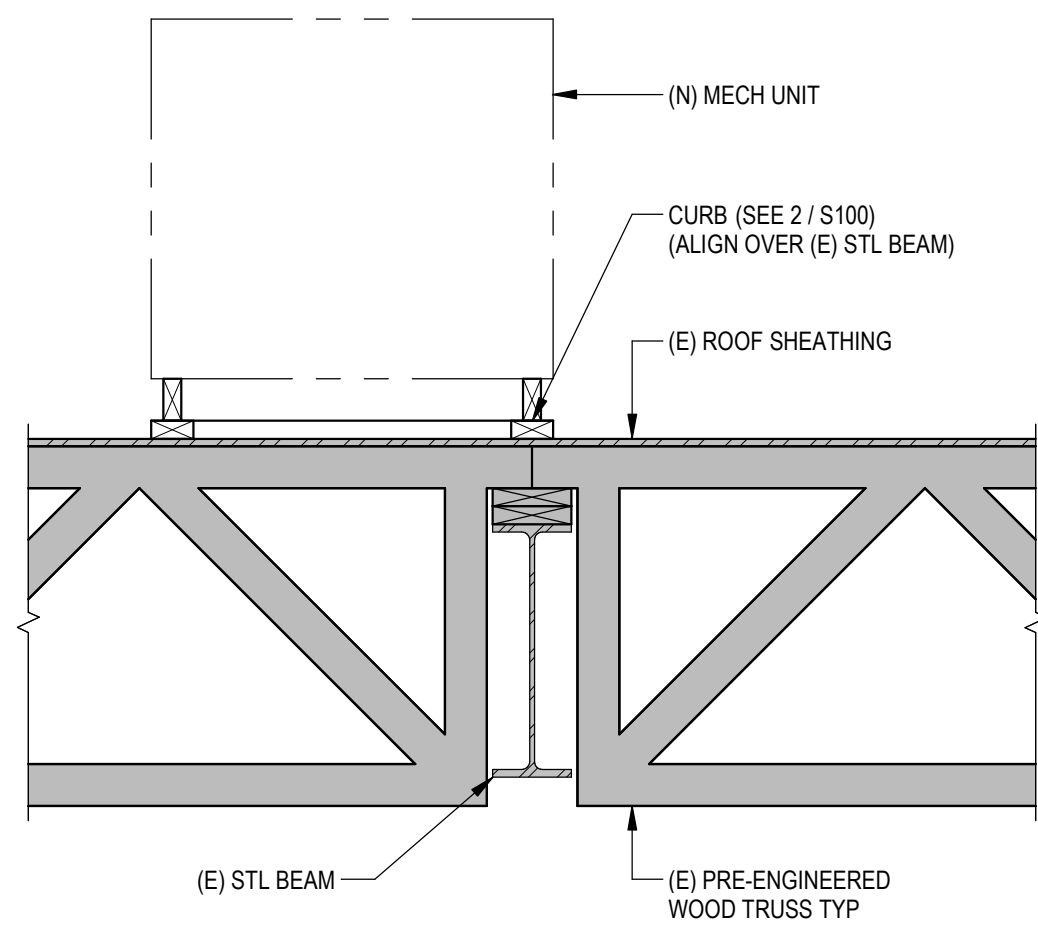
NOTE:
JOIST SPACING IS 2'-0" OC MAX. NOTIFY ENGINEER IF ACTUAL CONDITIONS VARY

INFORMATION ON THIS PLAN REGARDING EXISTING STRUCTURE
WAS TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS.
ACTUAL FIELD CONDITION MAY VARY FROM WHAT IS SHOWN.
ALL DIMENSIONS, ELEVATIONS AND CONDITIONS OF EXISTING
STRUCTURE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

1 PARTIAL ROOF FRAMING PLAN
S100 1/8" = 1'-0"



2 NEW MECH UNIT CURB DETAIL
S100 3/4" = 1'-0"



3 NEW AIR HANDLING UNIT DETAIL
S100 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES

These notes supplement the Specifications. Refer to the Specifications for additional requirements.

1. DESIGN CRITERIA:

1.1. BUILDING CODES USED FOR DESIGN:

1.1.1. IBC 2018

1.2. STRUCTURAL TESTS AND SPECIAL INSPECTIONS:

1.2.1. Qualifications of special inspectors and frequency of tests and inspections shall be as defined in CASE 962C - Guideline for International Building Code-Mandated Special Inspections and Tests and Quality Assurance.

1.3. DESIGN LOADS:

1.3.1. Risk Category:

From IBC Table 1604.5

Risk Category II

1.3.2. DESIGN LIVE LOADS:

Roof 20 PSF

1.3.3. WIND LOAD:

Ultimate Design Wind Speed: 115 MPH
Exposure Classification: C
Internal Pressure Coeff: +0.18
Internal Pressure Coeff: -0.18

1.3.4. SNOW LOAD:

Ground Snow Load: 20 PSF
Flat Roof Snow Load: 20 PSF
Snow Exposure Factor: 0.9
Snow Load Importance Factor: 1.0
Roof Thermal Factor: 1.0
Roof Slope Factor: 1.0

1.3.5. SEISMIC LOADS:

Importance Factor: 1.0
Seismic Design Category: B
Site Class: C
Mapped Spectral Response Coefficients
SS: 0.1274 g
S1: 0.0612 g
Design Spectral Response Coefficients
SDS: 0.102 g
SD1: 0.069 g

2. DESIGN STRENGTHS:

2.1. DIMENSIONAL LUMBER:

2.1.1. Structural Framing (Beams, joists, studs, plates): Spruce-Pine-Fir #1/#2

Pb = 875 PSI
Pv = 135 PSI
Pc parallel = 1,150 PSI
E = 1,400 KSI

3. STRUCTURAL WOOD:

3.1. REFERENCES:

IBC 2012
NFPA National Design Specification for Wood Construction
NFPA Design Values for Wood Construction

3.2. DIMENSION LUMBER:

3.2.1. All member sizes given on plan are nominal dimensions.

3.2.2. All beams and joists not bearing on supporting members shall be framed with "Simpson" joist hangers or equal. Use Type LUSXX for single 2x's and Type LUSXX-2 for double 2x's.

3.2.3. All nailing shall be in accordance with IBC Table No. 2304.10.1 unless noted otherwise.

4. MISCELLANEOUS:

4.1. NEW WORK IN CONJUNCTION WITH EXISTING CONSTRUCTION:

4.1.1. VERIFICATION: The Contractor shall verify, by field check, all sizes, dimensions, elevations, locations, etc. of elements of the existing construction which are relative to the new construction.

4.1.2. DIMENSIONS: All dimensions involving new Work tying into or governed by existing construction shall be field checked by the Contractor and furnished to the Subcontractors prior to fabrication of any Work. The verified dimensions shall appear and be noted as such on the first shop drawing submitted.

4.1.3. ASSUMPTIONS: The Engineer has made assumptions concerning the soundness of the existing buildings and these assumptions are that this building was designed and constructed in conformity with good design and construction practices. The Contractor shall take extraordinary precautions concerning preservation of the building during demolition and new construction Work. Further, the Contractor shall agree to assume all responsibility for the preservation of this property.

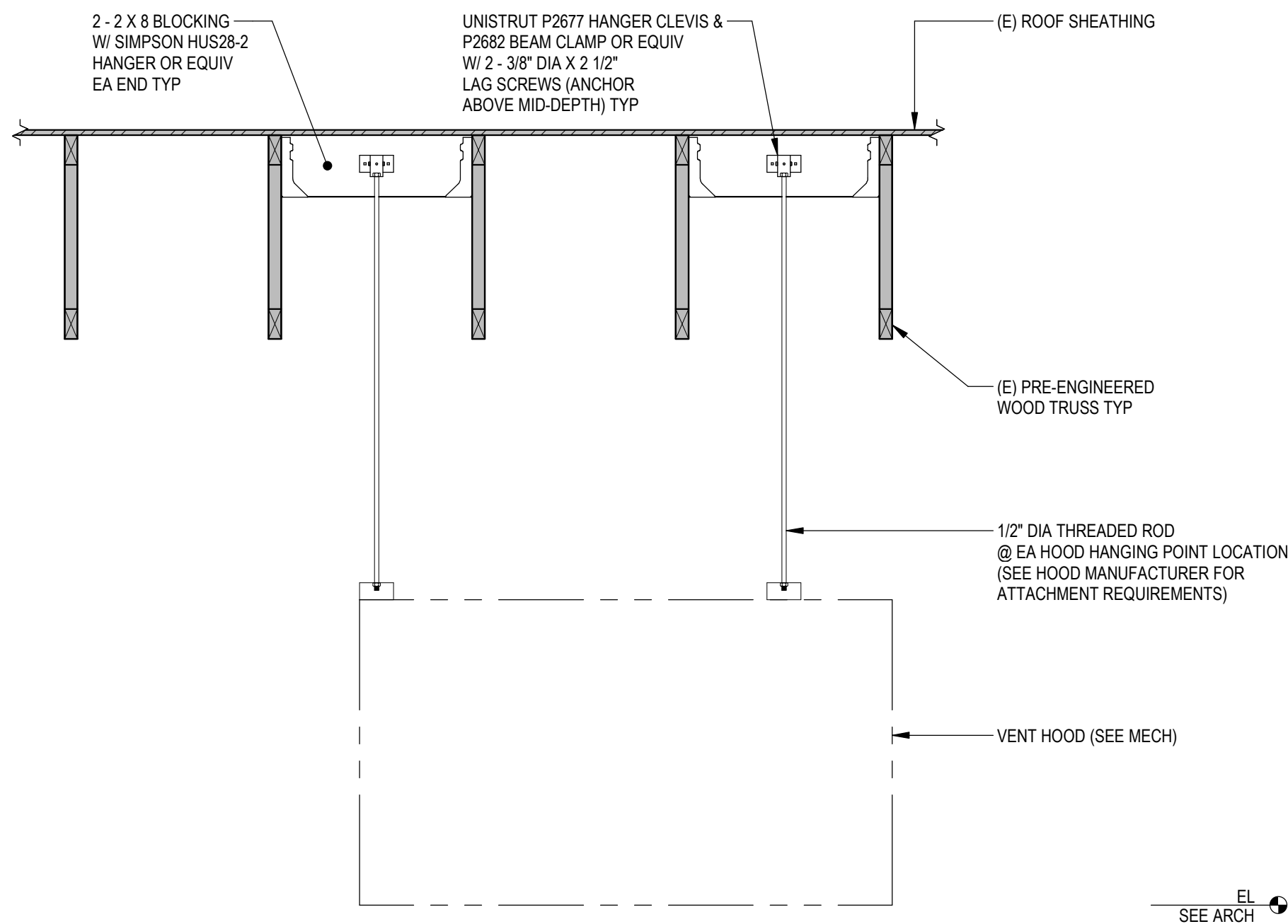
4.1.4. NOTIFICATION: The Contractor shall notify the Architect/Engineer immediately of any discrepancies between construction documents and actual field conditions.

4.2. GENERAL:

4.2.1. These drawings do not include necessary components for construction safety.

4.2.2. During construction, the Contractor may encounter existing conditions which are not now known or are at variance with project documentation (Discovery). Such conditions may interfere with new construction or required protection and/or support of existing Work during construction, or may consist of damage or deterioration to structural materials or components which could jeopardize the structural integrity of the building(s).

4.2.3. The Contractor shall notify the Engineer of all Discoveries that the Contractor believes may interfere with proper execution of the Work or jeopardize the structural integrity of the building(s) prior to proceeding with Work related to such Discoveries.



4 NEW EXHAUST HOOD SUPPORT DETAIL
S100 3/4" = 1'-0"