

**GENERAL STRUCTURAL NOTES:**

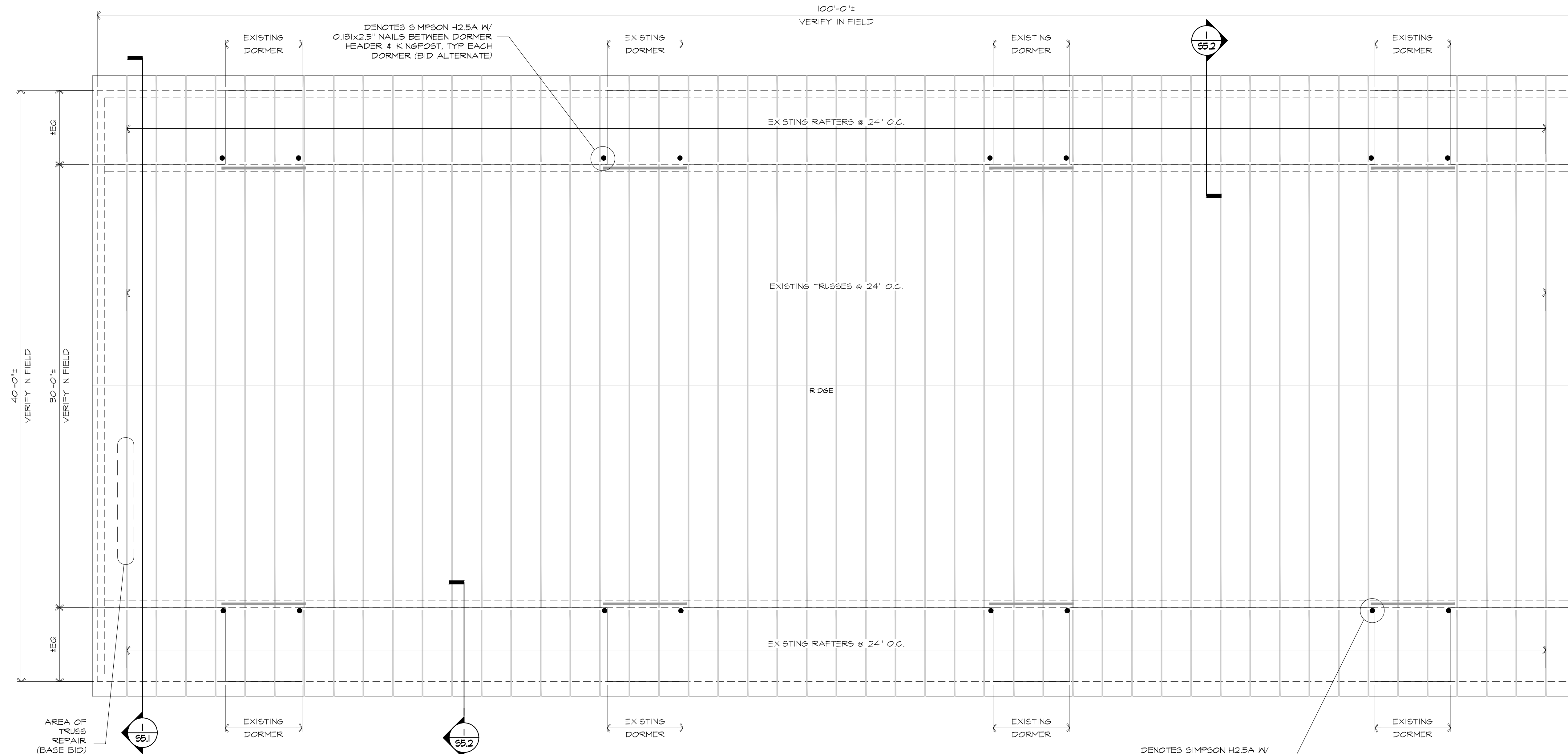
- GENERAL NOTES:**
- DIMENSIONS INDICATED ON THE DRAWINGS AND OTHER EXISTING CONDITIONS INFORMATION ARE APPROXIMATE, PROVIDED FOR PRICING. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND OTHER EXISTING CONDITIONS PRIOR TO PERFORMING AFFECTED AREAS OF THE WORK.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE BUILDING FROM DAMAGE DUE TO WATER INTRUSION, REMOVAL OF ROOF DECK, AND OTHER ACTIVITIES DURING CONSTRUCTION. TO THAT END, DECK REMOVAL ON ANY DAY SHALL BE LIMITED TO WHAT CAN BE REINSTALLED BEFORE LEAVING FOR THE DAY. THE ROOF SHALL HAVE WEATHER PROTECTION AT THE CLOSE OF EACH WORKDAY. THE CONTRACTOR SHALL MONITOR WEATHER CONDITIONS THROUGHOUT THE WORKDAY AND RESPOND TO ANY CHANGES IN WEATHER TO PROVIDE PROTECTION OF EXISTING INTERIORS THROUGHOUT THE WORKDAY AS WARRANTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF ANY DAMAGES THAT OCCUR AS A RESULT OF THE CONTRACTOR'S OPERATIONS DURING THE CONSTRUCTION PERIOD.
  - CONDUCT LOCALIZED DEMOLITION IN SUCH FASHION TO MINIMIZE DISTURBANCE OF ADJACENT AREAS. ANY AREAS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE RETURNED TO CONDITION AS EXISTED PRIOR TO CONSTRUCTION. PROTECT THE FACILITY AND SURROUNDINGS FROM DAMAGE FROM DUST, CONSTRUCTION DEBRIS, WATER, SPARKS, FUMES, AND ALL OTHER POTENTIAL DAMAGE CAUSED BY CONSTRUCTION.
  - WHERE WIRING AND SIMILAR EXISTING CONDITIONS OBSTRUCT THE SPECIFIED ALTERATIONS, TEMPORARILY RELOCATE THOSE ITEMS. DO NOT DISCONNECT ANY COMPONENT WITHOUT APPROVAL BY THE OWNER. REINSTALL AS APPROVED BY THE OWNER.
  - SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
  - ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

- DESIGN LOADS:**
- MODIFICATIONS TO ROOF FRAMING ARE DESIGNED FOR LOADINGS SPECIFIED IN THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE 2010 EDITION OF "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-10. ALTERATIONS ARE DESIGNED TO SUPPORT DEAD LOADS OF EXISTING AND NEW COMPONENTS AND SNOW LOADS AS FOLLOWS:
    - GROUND SNOW LOAD  $P_g = 50$  PSF
    - EXPOSURE FACTOR  $C_e = 1.0$
    - IMPORTANCE FACTOR  $I_s = 1.0$
    - THERMAL FACTOR  $C_t = 1.1$
    - FLAT ROOF SNOW LOAD  $P_f = 38.5$  PSF (LOW SLOPE UPPER ROOF)  
 $P_f = 9.6$  PSF (STEEP SLOPE LOWER ROOF)
    - UNBALANCED AND DRIFTED SNOW IN ACCORDANCE WITH ASCE7-10.
  - DESIGN FOR WIND IS IN ACCORDANCE WITH LOADINGS AS FOLLOWS:
    - BASIC WIND SPEED  $V = 117$  MPH (FACTORED)
    - WIND OCCUPANCY CATEGORY II.
    - WIND EXPOSURE - EXPOSURE C.
    - INTERNAL PRESSURE COEFFICIENT  $GCP_i = 0.18$ .

- WOOD FRAMING NOTES:**
- NEW DIMENSION LUMBER SHALL BE MSR 1500F-1.5E DOUGLAS FIR OR SOUTHERN YELLOW PINE, OR SELECT STRUCTURAL SOUTHERN YELLOW PINE.
  - WHERE NAILS ARE SPECIFIED, PROVIDE FASTENERS WITH THE FOLLOWING MINIMUM DIMENSIONS:
    - 10d NAILS USED FOR FASTENING ROOF SHEATHING = 0.148" DIAMETER X 3"
    - 10d NAILS USED FOR FRAMING = 0.12" DIAMETER X 2-7/8"
    - 16d NAILS = 0.148" X 3-1/4"
    - 8d NAILS = 0.119" DIAMETER X 2-3/8"
  - PROVIDE FASTENERS FOR CONNECTING WOOD FRAMING AS INDICATED. WHERE NOT INDICATED, COMPLY WITH TABLE 2304.10.1 IN THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE.
  - UNLESS NOTED OTHERWISE IN MANUFACTURER'S INSTRUCTIONS, INSTALL TOENAILS AT AN ANGLE 30 DEGREES FROM THE AXIS OF THE SUPPORTED MEMBER. INSTALL WITH THE TIP LOCATED AT A DISTANCE OF 1/3 OF THE NAIL LENGTH FROM THE END OF THE SUPPORTED MEMBER.
  - LAG SCREWS SHALL COMPLY WITH ANSI/ASME B18.2.1. FOR 5/8" DIAMETER LAG SCREWS, THE MAXIMUM PILOT HOLE FOR THE THREADED PORTION OF THE SCREW SHALL BE 10% OF THE SHANK DIAMETER.
  - WHERE PROPRIETARY CONNECTORS ARE SPECIFIED, INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. USE ALL SPECIFIED FASTENERS WITHOUT SUBSTITUTION UNLESS OTHERWISE NOTED ON THE DRAWINGS. WHERE MORE THAN ONE FASTENER SPECIFICATION EXISTS, INSTALL THE MAXIMUM FASTENING UNLESS OTHERWISE NOTED.

**SHEET NOTES:**

- SEE THIS SHEET FOR GENERAL STRUCTURAL NOTES.
- (E) DENOTES EXISTING DIMENSION OR ELEMENT
- V.I.F. AND/OR V.I.F. DENOTES VERIFY IN FIELD



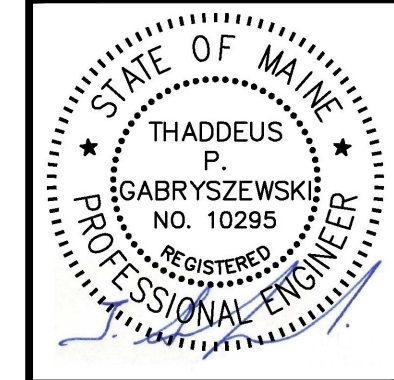
**ROOF FRAMING PLAN**  
1/4"=1'-0"

NO.	DATE	REVISION
1	6-30-23	ISSUED FOR CONSTRUCTION

MAIL ROOM ROOF REPAIR  
MAINE STATE PRISON  
THOMASTON, MAINE

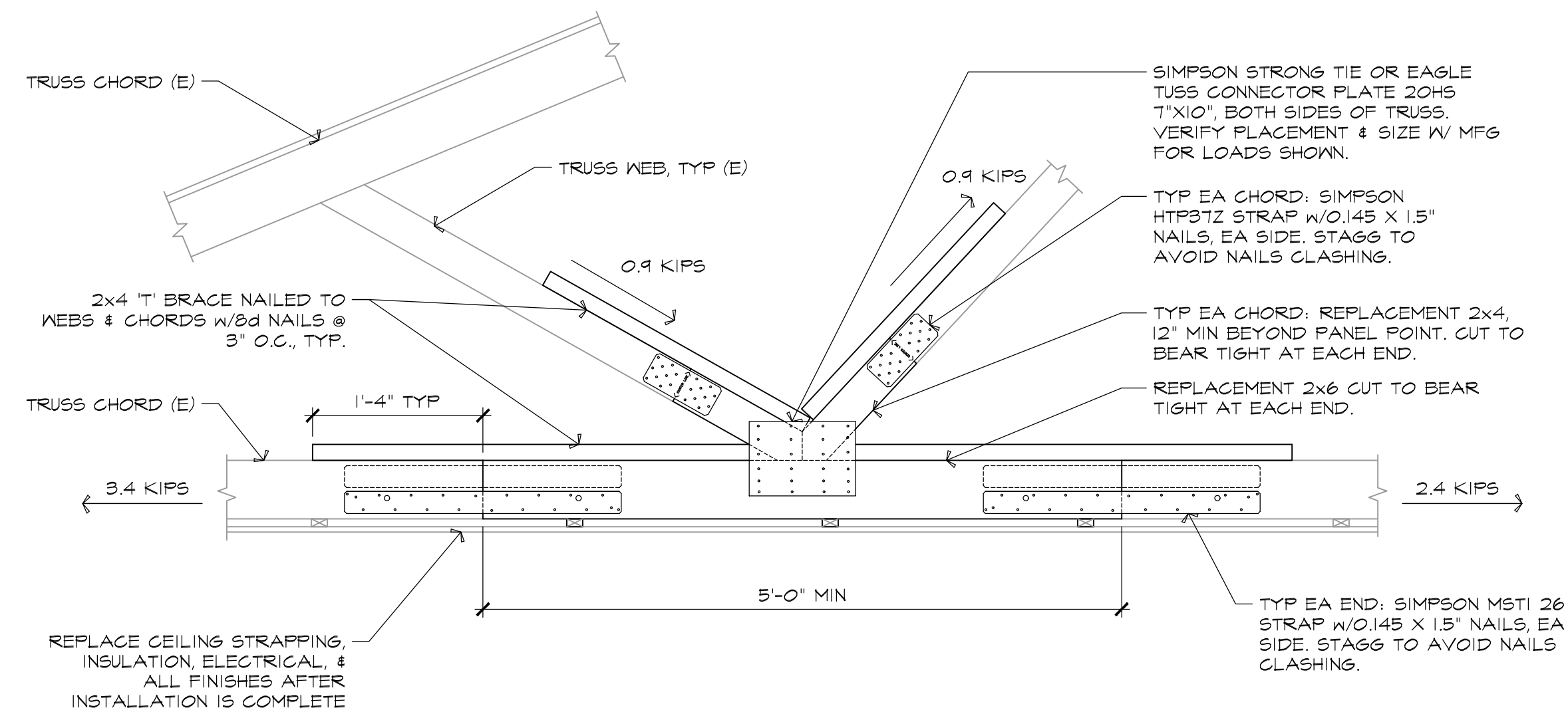
DRAWN BY: JJD  
CHK'D BY: TFG  
ISSUE DATE: 6-30-2023  
PROJ. NO.: 2023-0418

ROOF FRAMING PLAN & GENERAL NOTES

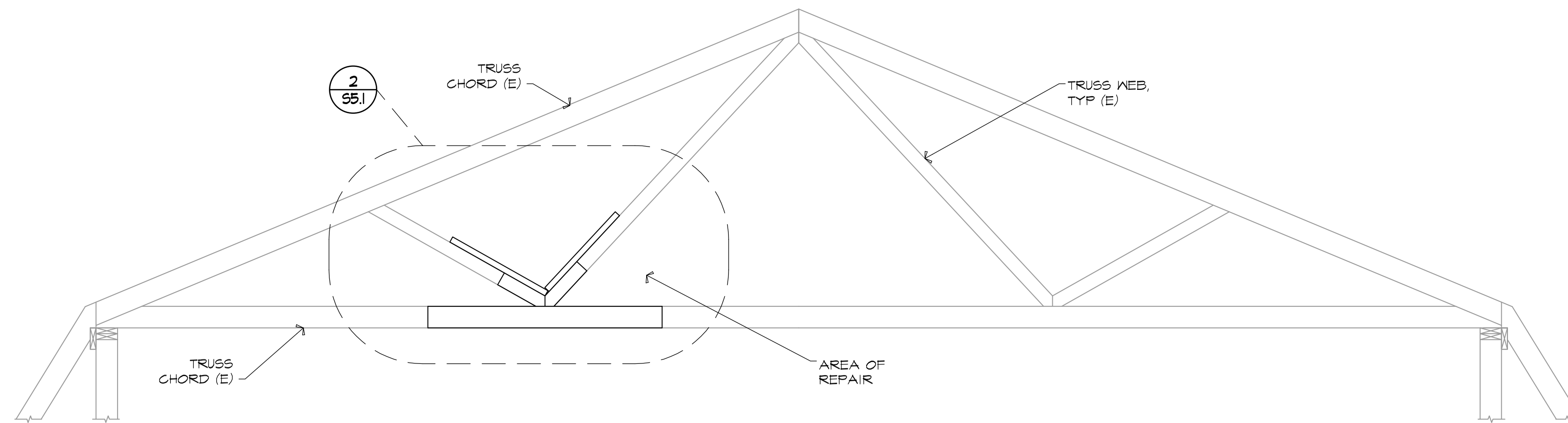


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**S1.1**



2 TRUSS REPAIR DETAIL  
1"=1'-0"



1 ELEVATION OF TRUSS  
1/2"=1'-0"

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MAIL ROOM ROOF REPAIR  
MAINE STATE PRISON  
THOMASTON, MAINE

TRUSS REPAIR DETAILS

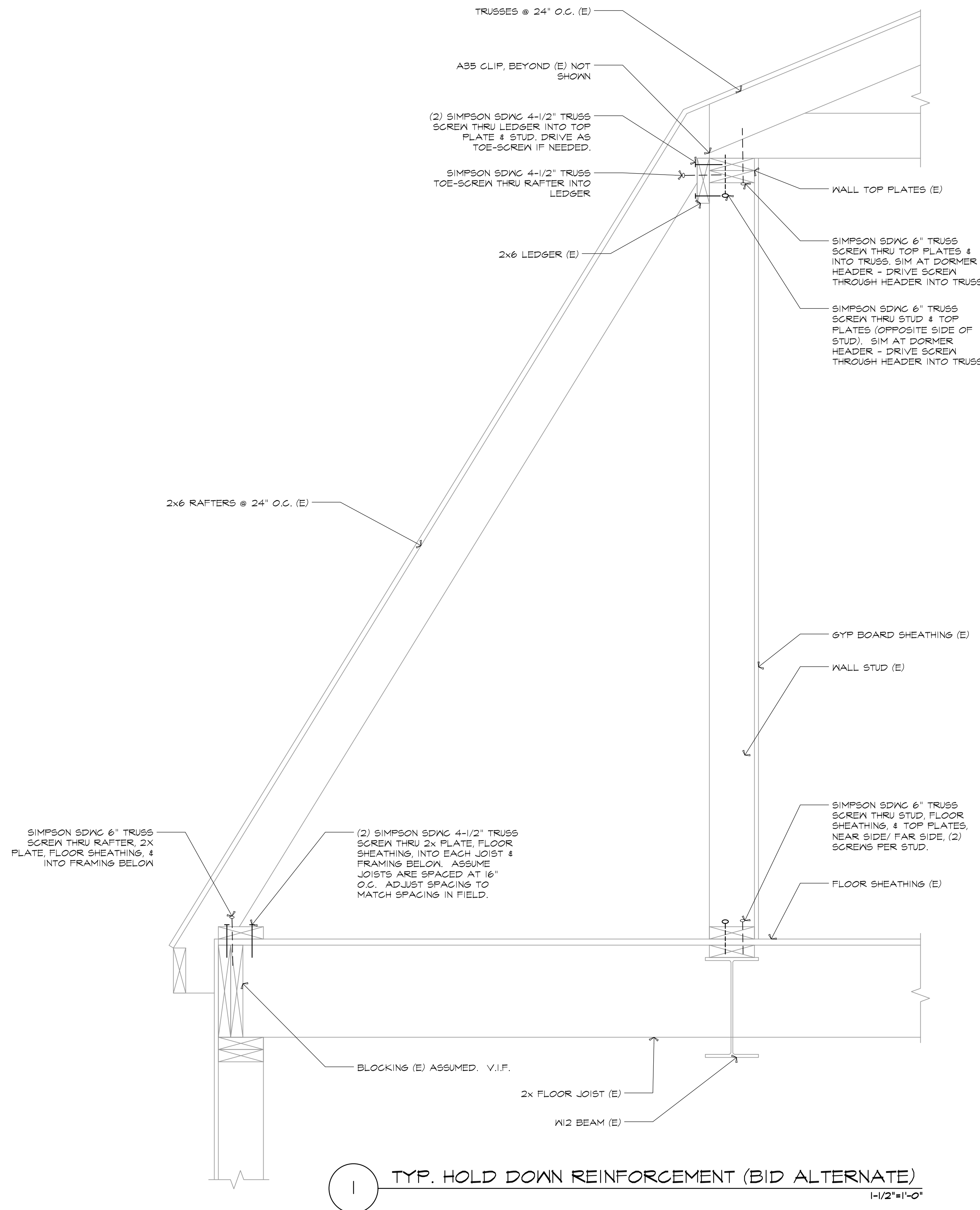
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S5.1





NOTE: USE SIMPSON STRONG TIE 'QUICK STICK' TOOL FOR INSTALLATION OF ALL SCREWS.

FOLLOW SIMPSON'S INSTALLATION REQUIREMENTS AND RECOMMENDATIONS.

PRE-DRILL HOLES AS REQUIRED.

DO NOT SPLIT EXISTING WOOD.

INSTALL AT EACH END, EACH TRUSS & RAFTER.

1 TYP. HOLD DOWN REINFORCEMENT (BID ALTERNATE)  
1-1/2" x 1-0"

NO.		DATE		REVISION	
1		6-30-23		ISSUED FOR CONSTRUCTION	
<b>MAIL ROOM ROOF REPAIR</b> <b>MAINE STATE PRISON</b> <b>THOMASTON, MAINE</b>				<b>BID ALTERNATE FRAMING SECTION</b>	
DRAWN BY	JJD	CHECKED BY	TFG	ISSUE DATE	6-30-2023
				PROJ. NO.	2023-0418
<b>Lincoln / Haney</b> Engineering Associates, Inc. 14 Maine Street, Suite 301 - Box 7 Brunswick, Maine 04011 Phone: 207-729-1061 Fax: 207-729-2941					
S5.2					