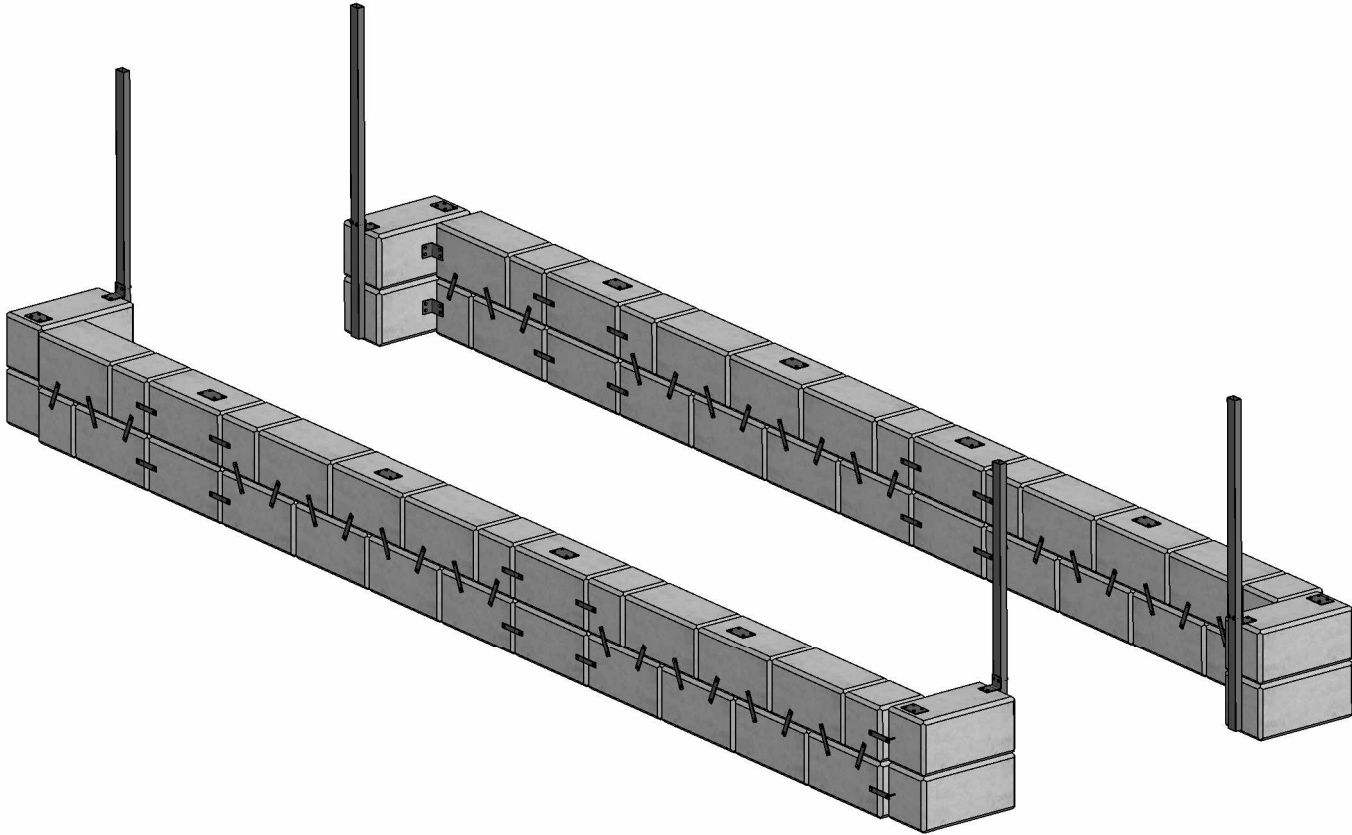



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| BILL OF MATERIALS | |
|--------------------------|-------|
| DESCRIPTION | COUNT |
| 3/4"Ø EXPANSION ANCHOR | 56 |
| 5/8"Ø EXPANSION ANCHOR | 280 |
| 5/8"Ø THRU BOLT | 8 |
| FLAT-TOP LOCK-BLOCK | 24 |
| HALF FLAT-TOP LOCK-BLOCK | 10 |
| HALF LOCK-BLOCK | 2 |
| STANDARD LOCK-BLOCK | 30 |
| TYPICAL CORNER TIE | 12 |
| TYPICAL TIE STRAP | 114 |

PERMIT TO PRACTICE
ECLIPSE ENGINEERING, P.C.

RM SIGNATURE: 

RM APEGA ID #: 133874

DATE: 20 AUG 2024

PERMIT NUMBER: P012999
The Association of Professional Engineers and
Geoscientists of Alberta (APEGA)



CENOVUS ENERGY
(SO18798)
Brookfield Place,
225 6 Avenue SW Calgary,
AB T2P 1N2

ECLIPSE
ENGINEERING
A CUSHING TERRELL COMPANY
5915 S REGAL RD SUITE 314
SPokane WA 99223
ECLIPSEENGINEERING.COM (509) 921-7731

COVER SHEET

PROJ. #: 24-08-100
CHECKED BY: SA
DRAWN BY: WE
DATE: 08.19.2024
SHEET:
S0.0

GENERAL NOTES

GENERAL:

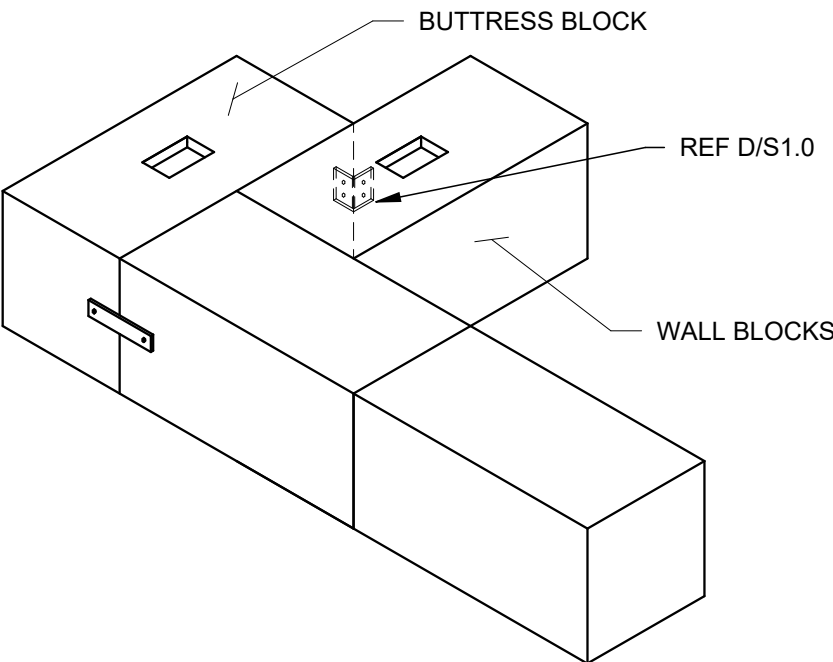
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.
- B. USE WRITTEN DIMENSIONS. DO NOT USED SCALED DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- C. THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ECT. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE COMPLETION OF ALL SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS AND FINISH MATERIALS.
- D. DESIGN CRITERIA:
1. CODE: 2020 NBC
 2. DESIGN ASSUMPTIONS:
 - a. SOIL BEARING CAPACITY = 1500 PSF
 - b. SOIL FRICTION FACTOR = 0.4

STRUCTURAL STEEL:

- A. MATERIAL
1. SHAPES, PLATES AND BARS (EXCEPT W-SHAPES): ASTM A36, $F_y = 36$ ksi
 2. W-SHAPES: ASTM A572, $F_y = 50$ ksi
 3. PIPE: ASTM A53 or A501, $F_y = 35$ ksi MIN.
 4. TUBES: ASTM A500, GRADE B, $F_y = 46$ ksi OR GREATER
- B. BOLTS
1. ASTM A307 MACHINE BOLTS (M.B.) UNLESS OTHERWISE INDICATED AS A325 HIGH STRENGTH BOLTS (H.S.B.)
 2. EXPANSION ANCHORS: HILTI KWIK BOLT TZ, SIMPSON STRONG BOLT 2, OR DEWALT POWER STUD+ SD1.
 3. ADHESIVE ANCHORS: HILTI HIT-HY 200, SIMPSON SET XP 3G, DEWALT AC200+ OR APPROVED EQUAL.
- C. WELDING ELECTRODES OR WIRES
1. AWS A5.1 OR A5.5, E70XX: AWS A5.18, E70S-X
 2. WELDING SHALL CONFORM TO AWS "CODE FOR ARC AND GAS WELDING IN BUILDINGS"
 3. ALL WELDING SHALL BE PREFORMED BY A CERTIFIED WELDER

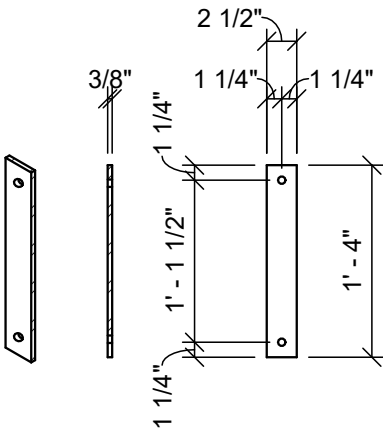
CONCRETE

- A. LOCK BLOCK
1. COMPRESSIVE STRENGTH, $f'_c = 2900$ psi (20 Mpa)



E

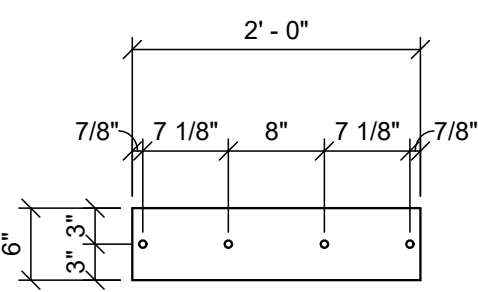
TYPICAL BLOCK CONNECTION AT CORNER
SCALE: N.T.S.



A

TYPICAL TIE STRAP
SCALE: 3/4" = 1'-0"

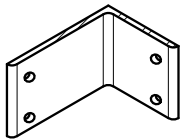
NOTE:
USE 5/8"Øx6" DEWALT POWER STUD+
SD1 EXPANSION ANCHORS WITH TIE STRAPS
AND CORNER TIES



C

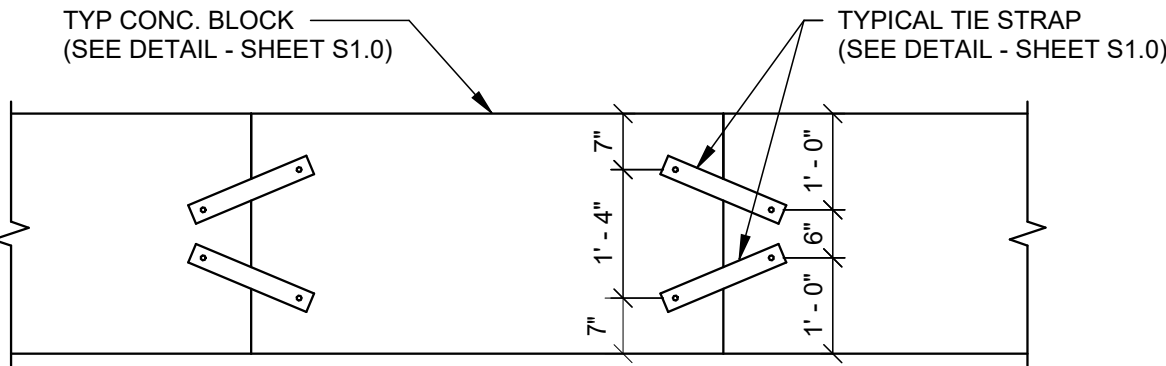
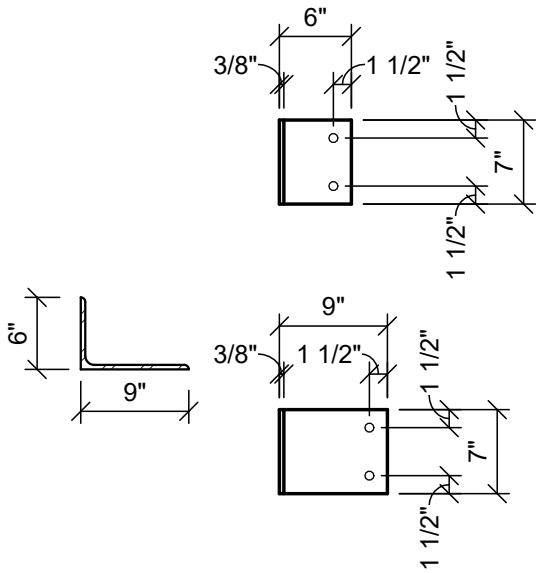
TYPICAL SUPPORT TIE
SCALE: 3/4" = 1'-0"

PLATE
THICKNESS TO
MATCH BASE
PLATES



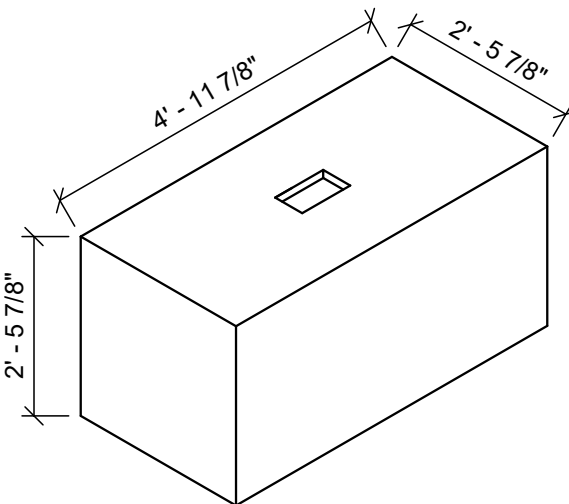
D

TYPICAL CORNER TIE
SCALE: 3/4" = 1'-0"



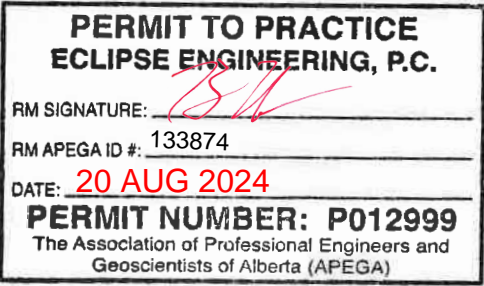
F

TYPICAL TIE STRAP PLACEMENT (TOP VIEW)
SCALE: 1/2" = 1'-0"

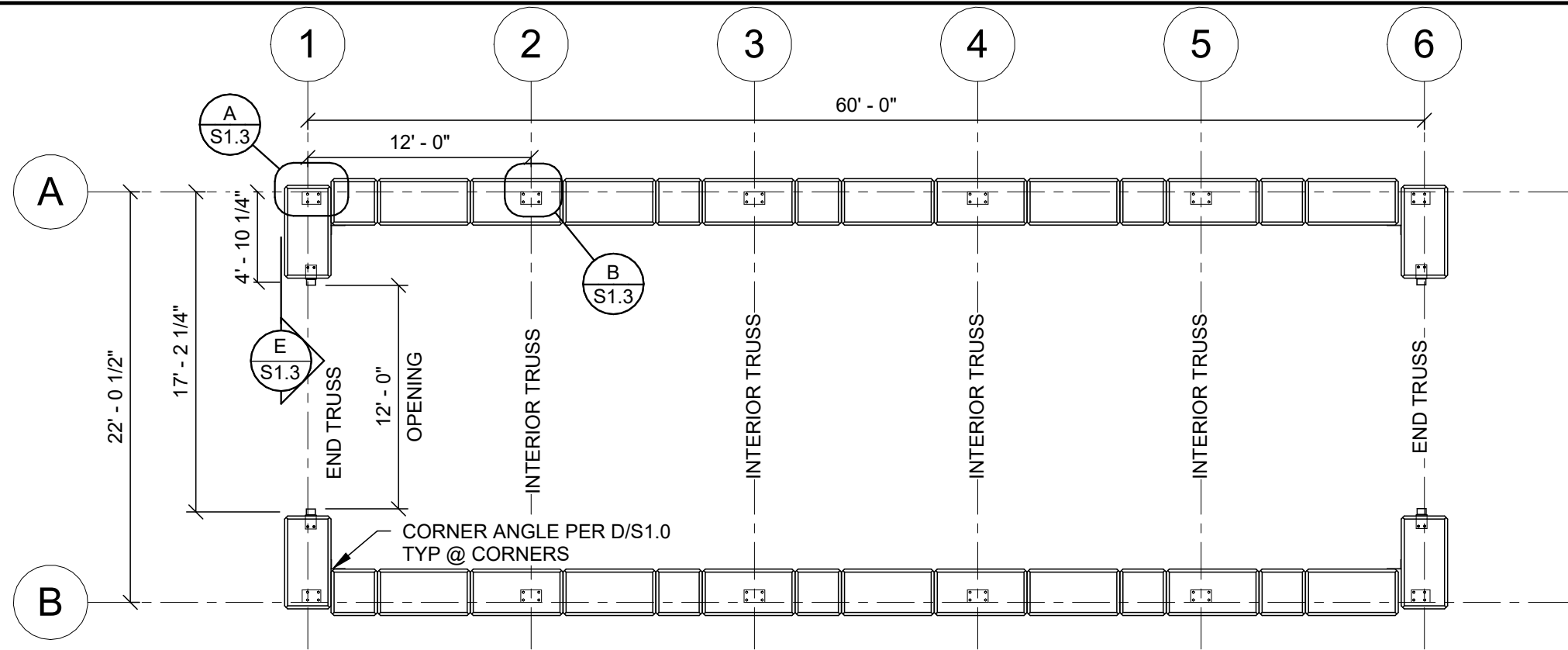


G

TYPICAL BLOCK
SCALE: N.T.S.



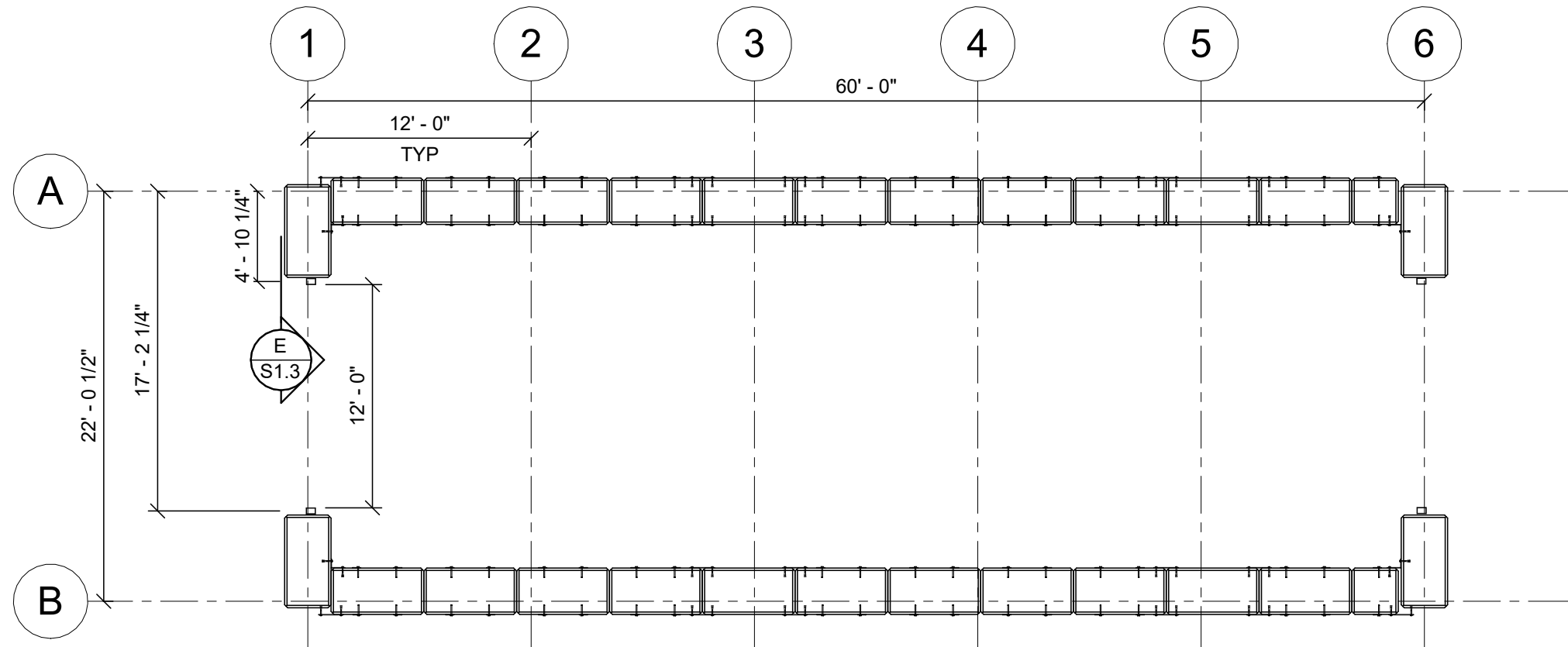
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UPPER BLOCK LAYOUT PLAN

SCALE: 1/8" = 1'-0"

NOTE:
CONTRACTOR SHALL VERIFY ALL DIMENSIONS
AND JOB SITE CONDITIONS BEFORE COMMENCING
WORK AND SHALL REPORT ANY DISCREPANCIES
TO THE ENGINEER.



LOWER BLOCK LAYOUT PLAN

SCALE: 1/8" = 1'-0"

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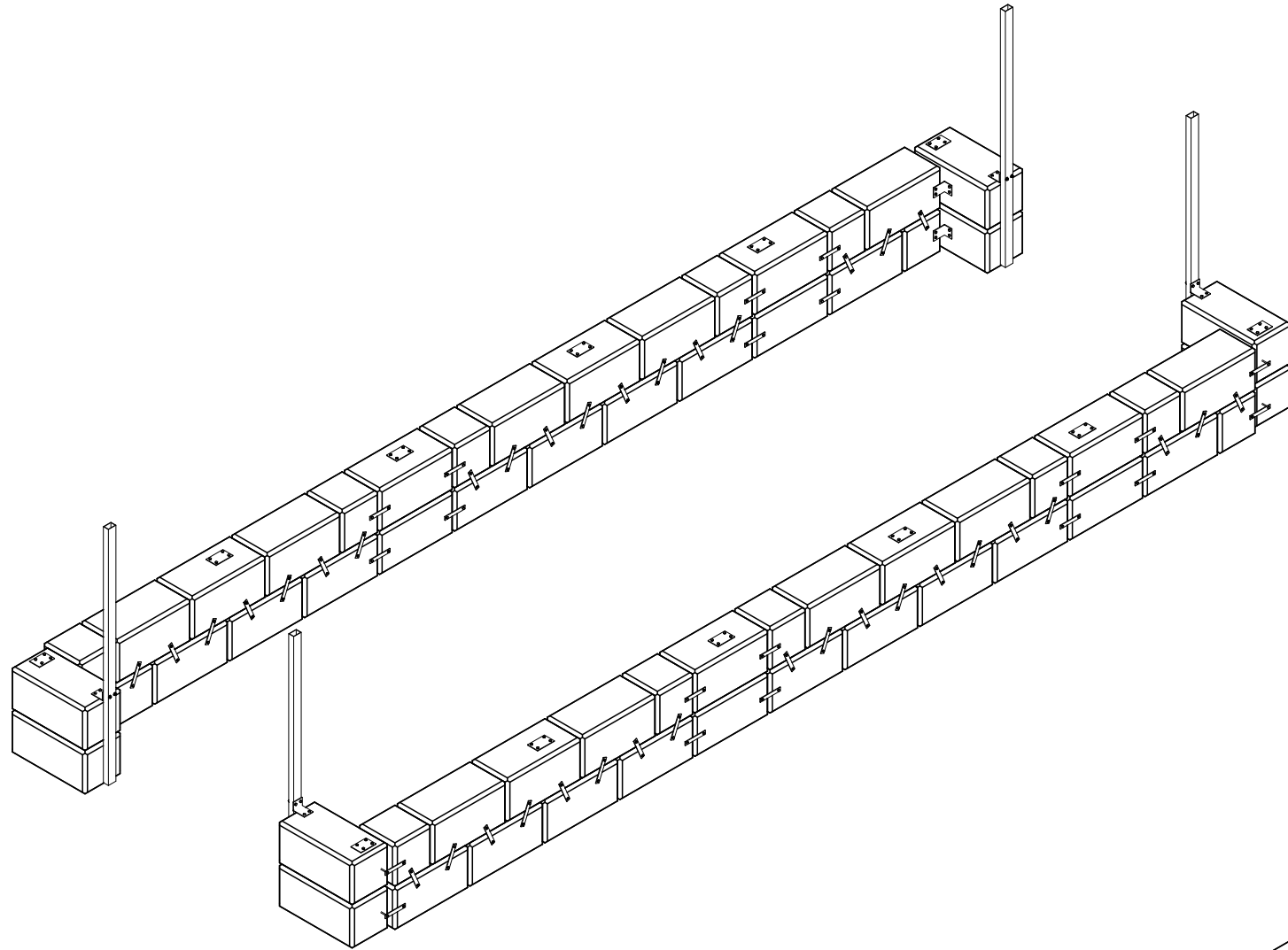
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RM APEGA ID #: 133874

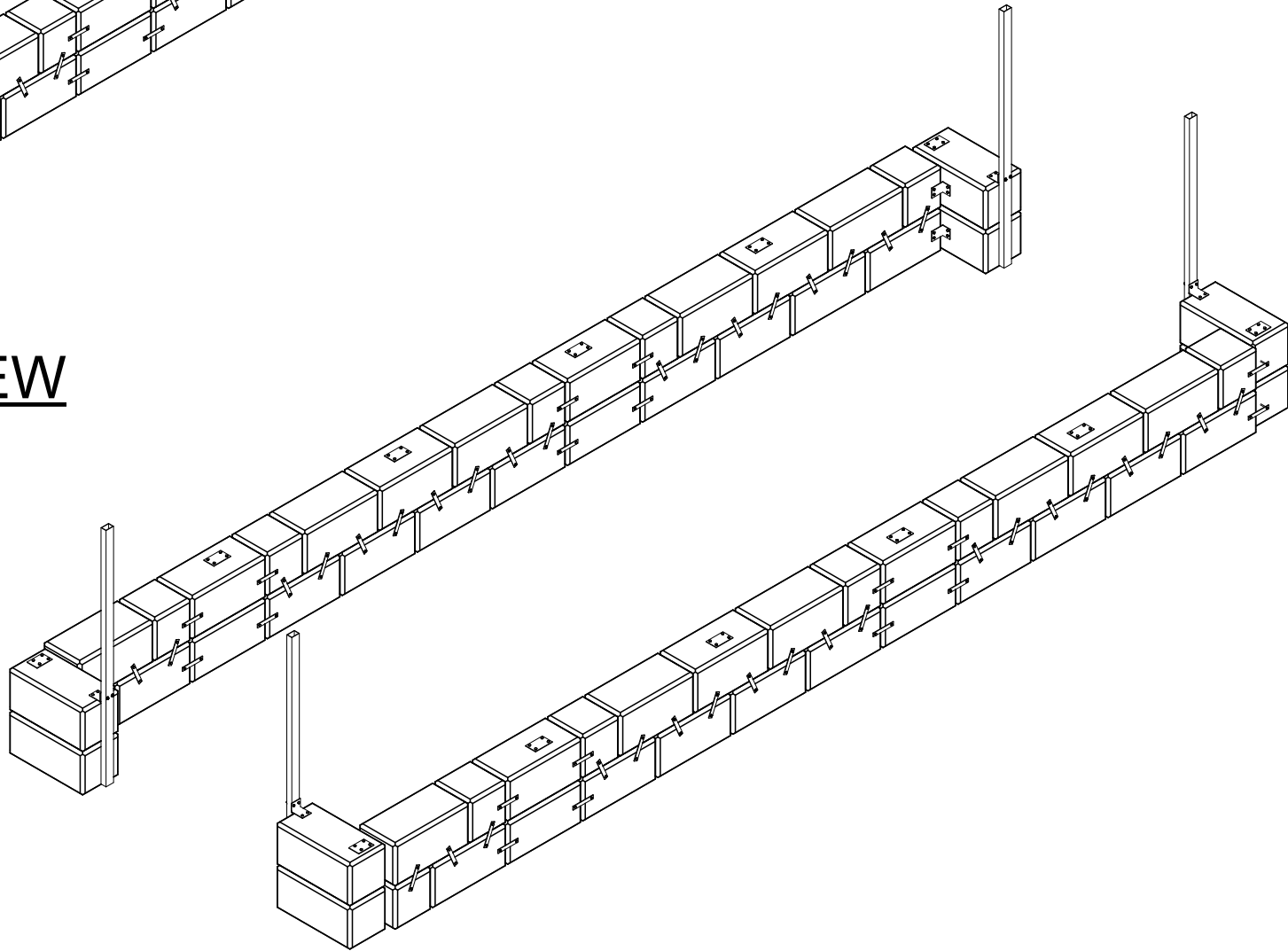
DATE: **20 AUG 2024**

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The Association of Professional Engineers and
Geoscientists of Alberta (APEGA)





SE ISOMETRIC VIEW
SCALE: N.T.S.



NW ISOMETRIC VIEW
SCALE: N.T.S.

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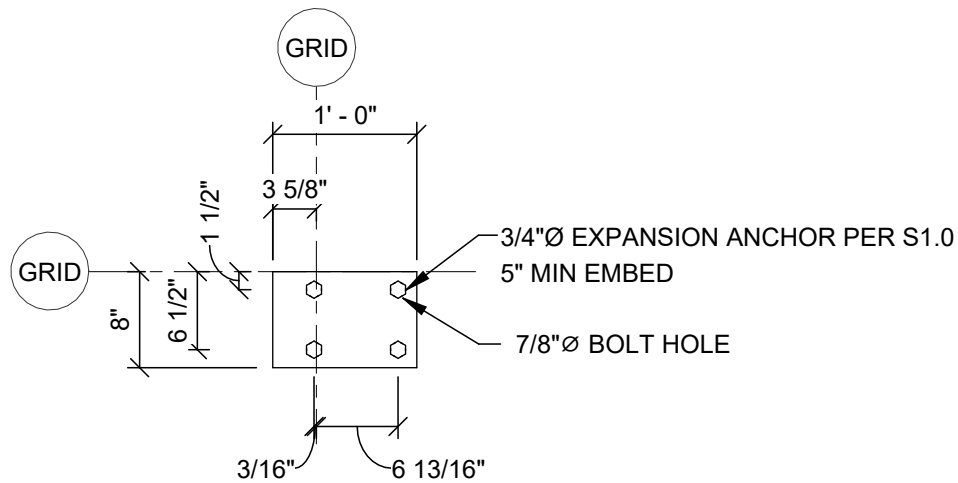
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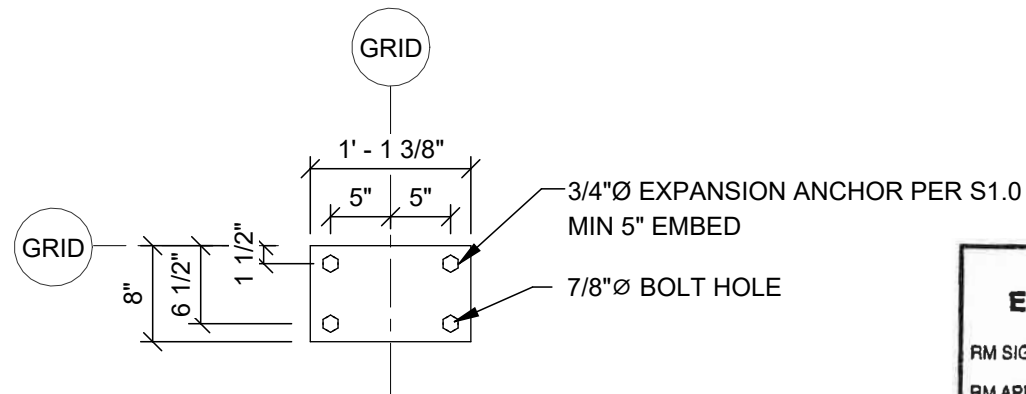
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| REVISIONS | |
|--------------------|--|
| | |
| 3D VIEWS | |
| PROJ. #: 24-08-100 | |
| CHECKED BY: SA | |
| DRAWN BY: WE | |
| DATE: 08.19.2024 | |
| SHEET: | |

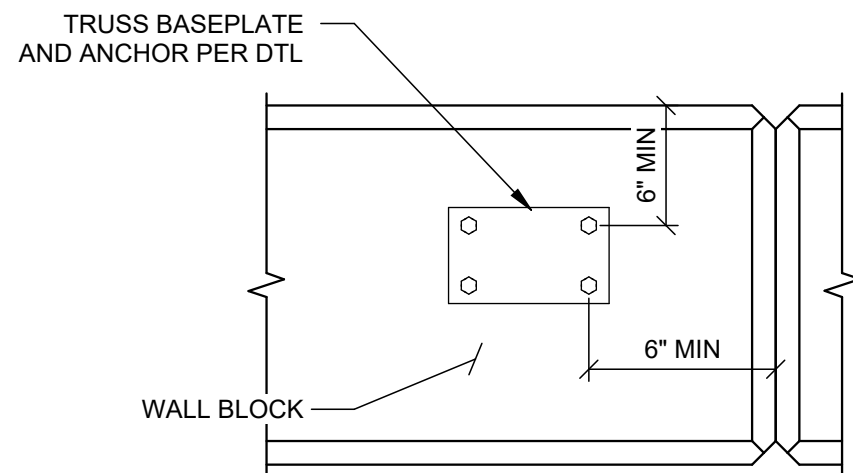
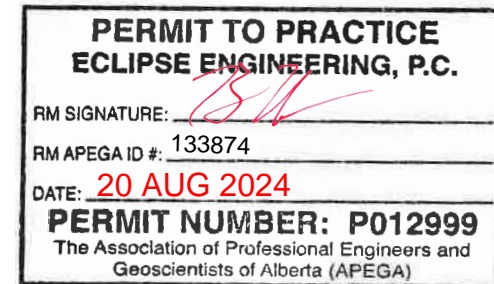
S1.2



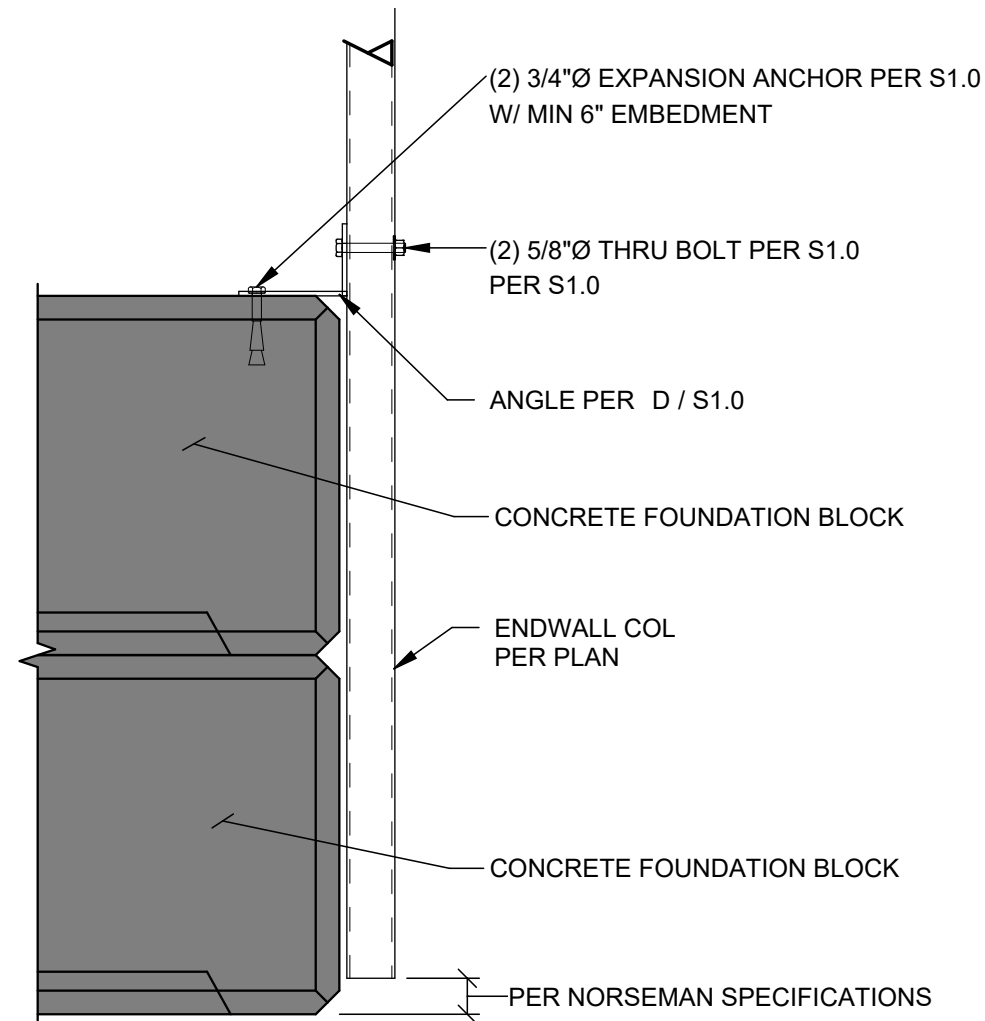
A TYPICAL END TRUSS BASEPLATE DETAIL
SCALE: 3/4" = 1'-0"



B TYPICAL COMMON TRUSS BASEPLATE DETAIL
SCALE: 3/4" = 1'-0"



D TYPICAL TRUSS BASEPLATE MIN EDGE DISTANCES
SCALE: 3/4" = 1'-0"



E HSS ENDWALL BASEPLATE
SCALE: 3/4" = 1'-0"