

STRUCTURAL NOTES

GENERAL REQUIREMENTS

NOTES & DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

ALL MATERIALS AND WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE 2018 WISCONSIN COMMERCIAL BUILDING CODE INCLUDING LOCAL ORDINANCES, AMENDMENTS, AND EXCEPTIONS.

ALL MATERIAL SHALL BE FURNISHED AS SHOWN HEREIN UNLESS THE OWNER OR ENGINEER APPROVES EQUAL ALTERNATIVES.

NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF UNITED GREENHOUSE SYSTEMS, INC. AND THE GREENHOUSE DESIGN ENGINEER.

THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY THE ENGINEER AND/OR THE ENGINEER'S REPRESENTATIVE(S) SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.

DESIGN LOADS

ROOF: GROUND SNOW LOAD (Pg) = 40 PSF  
SNOW IMPORTANCE FACTOR (Is) = 1.0  
SNOW LOAD EXPOSURE FACTOR (Ce) = 1.0  
ROOF THERMAL FACTOR (Ci) = 0.85 (CONTINUOUSLY HEATED GREENHOUSE PER ASCE7)  
  
ROOF SLOPE FACTOR (Cs) = 0.67  
SLOPED ROOF/FLAT ROOF SNOW (Ps) = 16 PSF  
LIVE LOAD = 20 PSF (REDUCIBLE PER ASCE7)  
DEAD LOAD (TOP CHORD) = 3 PSF  
DEAD MISC. LOAD (BOTTOM CHORD) = 5 PSF  
MISC. IS UNIFORMLY DISTRIBUTED ON BOTTOM CHORDS

WIND: WIND SPEED = 115 MPH ULTIMATE (89.1 MPH NOMINAL)  
WIND EXPOSURE = B  
WIND RISK CATEGORY = II  
ENCLOSURE CLASSIFICATION = ENCLOSED  
INTERNAL PRESSURE COEFFICIENT (Gcpi) = ±0.18  
COMPONENT & CLADDING DESIGN PRESSURE = (SEE CHART CC)

SEISMIC: SEISMIC RISK CATEGORY = II  
SEISMIC SITE CLASS = D  
SEISMIC DESIGN CATEGORY = A  
SEISMIC IMPORTANCE FACTOR (I) = 1.0  
SPECTRA RESPONSE COEFF. Sds = 0.057 Sd1 = 0.058  
FORCE RESISTING SYSTEM  
- ORD. MOMENT FRAMES OF STEEL  
- STEEL CONC. BRACED FRAMES  
DESIGN BASE SHEAR (W x Cs) = W x 0.017 MAX  
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE

CHART CC

COMPONENT & CLADDING DESIGN PRESSURE (PSF)			
BUILDING AREA	TRIBUTARY AREA SQ. FT.		
	10	25	50
INTERIOR ROOF	-21.8	-21.0	-20.4
EDGE ROOF	-37.9	-33.9	-30.9
CORNER ROOF	-56.0	-51.2	-47.6
INTERIOR WALL	-25.8	-24.4	-23.3
EDGE WALL	-31.9	-29.0	-26.9
EDGE ZONE STRIP WIDTH (FT)	4.2		

LOADS ARE TO BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF 2018 WISCONSIN COMMERCIAL BUILDING CODE.

DESIGN CRITERIA

THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (f'c) AT 28 DAYS SHALL BE:  
FOUNDATION f'c = 3,000 PSI

STRUCTURAL STEEL (VALUE SHOWN IS MINIMUM)  
TYP. STEEL TUBING U.N.O. Fy=50,000 PSI (ASTM A500, GRADE C)  
Fy=65,000 PSI  
STEEL TUBING (SQ. 4x4) Fy=60,000 PSI (PER ALLIED TESTS)  
Fu=75,000 PSI (PER ALLIED TESTS)  
4" HAT TOP CHORDS Fy=50,000 PSI (ASTM A1011, GRADE 50)  
Fu=65,000 PSI  
3" HAT PURLINS/GIRTS Fy=55,000 PSI (ASTM A1011, GRADE 55)  
Fu=70,000 PSI  
STRUCTURAL PLATE Fy=50,000 PSI (ASTM A572, GRADE 50)  
WELDING ELECTRODES E70XX (AWS D1.1)  
GRADE 5 BOLTS Fu=120,000 PSI  
Fy=92,000 PSI

ALL BOLTS ARE TO BE GRADE 5 OR ASTM A325 (SNUG-TIGHT INSTALLATION).

NOTE: BRACING ASSEMBLIES MUST HAVE A SAFE WORKING LOAD OF HALF THE RESPECTIVE CABLE BREAKING STRENGTHS SHOWN BELOW.  
3/16" DIAM. BRACING CABLE-7X19 STRAND BREAKING STR. = 4200 LBS  
1/4" DIAM. BRACING CABLE-7X19 STRAND BREAKING STR. = 7000 LBS  
3/8" DIAM. BRACING CABLE-7X19 STRAND BREAKING STR. = 14400 LBS  
(SEE PLANS FOR BRACE CABLE SIZES AND LOCATIONS)

ALL COLD-FORMED MEMBERS ARE TO BE GALVANIZED SHEET WITH MIN. MATERIAL THICKNESSES OF: 18 GA. = .0516, 16 GA. = .0635,  
14 GA. = .0785, 12 GA. = .1084

GREENHOUSE ROOF AND WALL CLADDING (PANEL) IS NOT A DESIGNED ELEMENT. ANY MAINTENANCE MUST BE PERFORMED IN A MANNER THAT DOES NOT SUBJECT CLADDING TO THE CONCENTRATED LOAD OF A MAINTENANCE WORKER.

UNITED GREENHOUSE SYSTEMS, INC. IS A COMPONENT METAL BUILDING/GREENHOUSE MANUFACTURER AND SUPPLIER, AND 4TH DIMENSION DESIGN, INC. IS THE STRUCTURAL ENGINEER FOR THE STEEL STRUCTURE, NEITHER OF WHICH ARE TO BE CONSIDERED THE PROJECT DESIGN PROFESSIONAL OF RECORD. THE DESIGN OF ANY MATERIALS NOT DIRECTLY SUPPLIED BY UNITED GREENHOUSE SYSTEMS, INC. IS NOT PROVIDED UNDER THE SCOPE OF THIS CONTRACT.

UNITED GREENHOUSE SYSTEMS AND 4TH DIMENSION DESIGN TAKE NO RESPONSIBILITY FOR THE EVALUATION OF ANY EXISTING OR ADJACENT STRUCTURES WHOSE CONDITION(S) MAY BE AFFECTED IN ANY WAY BY THE PRESENCE OF THE GREENHOUSE.

DESIGN METHOD

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)

MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN (AISC 360-10)

COLD FORMED STEEL DESIGN MANUAL (AISI S100-12)

STRUCTURAL STEEL

ALL STRUCTURAL STEEL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM AND SHALL BE FABRICATED AND ERECTED ACCORDING TO AISC/AISI SPECIFICATIONS.

WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1. ALL WELDING SHALL BE PERFORMED BY APPROVED CERTIFIED WELDERS.

NO HOLES, OTHER THAN THOSE SPECIFICALLY DETAILED, SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS.

ERECTION OF STEEL MEMBERS SHALL NOT COMMENCE UNTIL ALL CONCRETE/MASONRY ELEMENTS HAVE ATTAINED AT LEAST 75% OF THEIR INTENDED MINIMUM COMPRESSIVE STRENGTH.

LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

GREENHOUSE

DRAWING SCHEDULE

PAGE NUMBER

DESCRIPTION

S-0.0

COVER SHEET

S-1.0

ELEVATIONS & TRUSS SECTION

S-2.0

ELEVATIONS

S-3.0

ROOF FRAMING PLAN

S-3.1

COLUMN PLAN

S-4.0

2D DETAILS

S-4.1

2D DETAILS

S-5.0

3D DETAILS

S-6.0

VENT ASSEMBLY DETAILS

S-6.1

60' ROOF VENT ASSEMBLY DETAILS

S-6.2

48' SIDE WALL VENT ASSEMBLY DETAILS

S-7.0

FRAMED OPENING DETAILS

S-7.2

SINGLE SWING DOOR DETAILS

S-8.0

GLAZING DETAILS

S-9.0

HEATER HANGING DETAILS



PAGE

S-0.0

COVER SHEET

4th DIMENSION DESIGN, INC.  
817 Venture Court  
Waukesha, WI 53189  
PHONE: (262) 884-6500  
FAX: (262) 884-6505  
www.4dco.com

PROJECT:

PROJECT "B"  
2025

CUSTOMER: LA CROSSE CENTRAL HIGH SCHOOL

JOE LEDVINA  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

DRAWING BY: DTC

DRAWING TITLE:

(1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE: 2/6/2025

REV. DATE DESCRIPTION

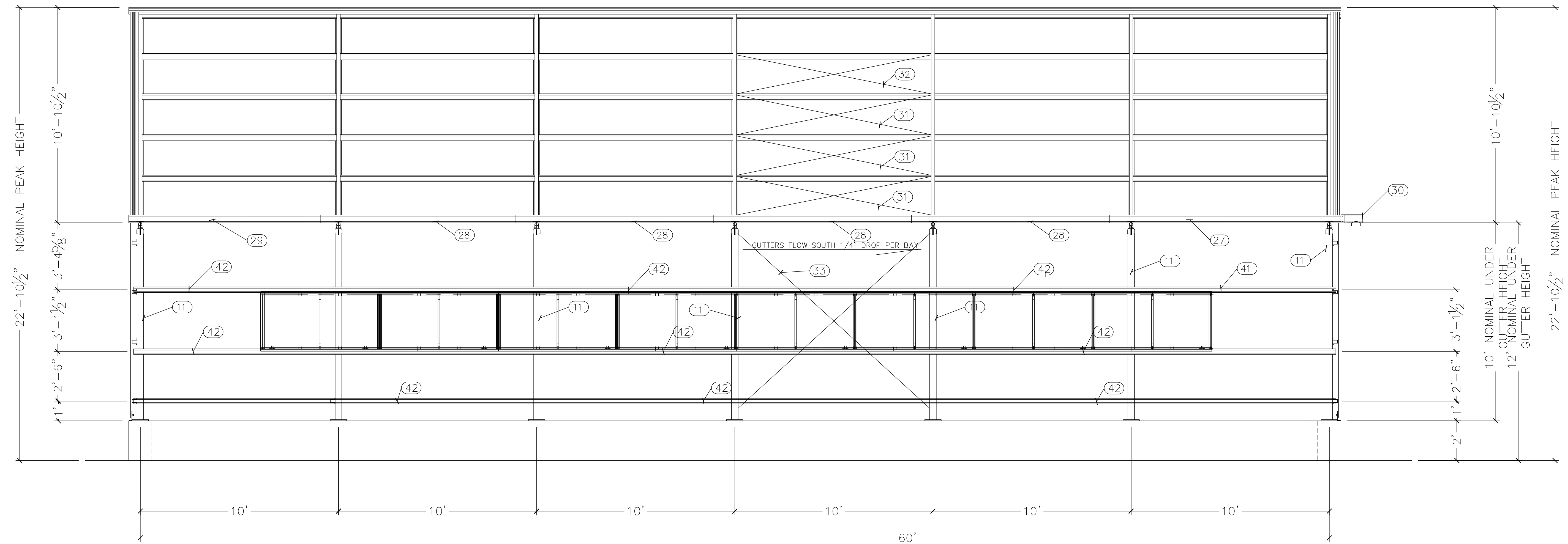
UNITED GREENHOUSE  
5857 WILSON DRIVE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
1-608-884-8941  
FAX: 1-608-884-6137



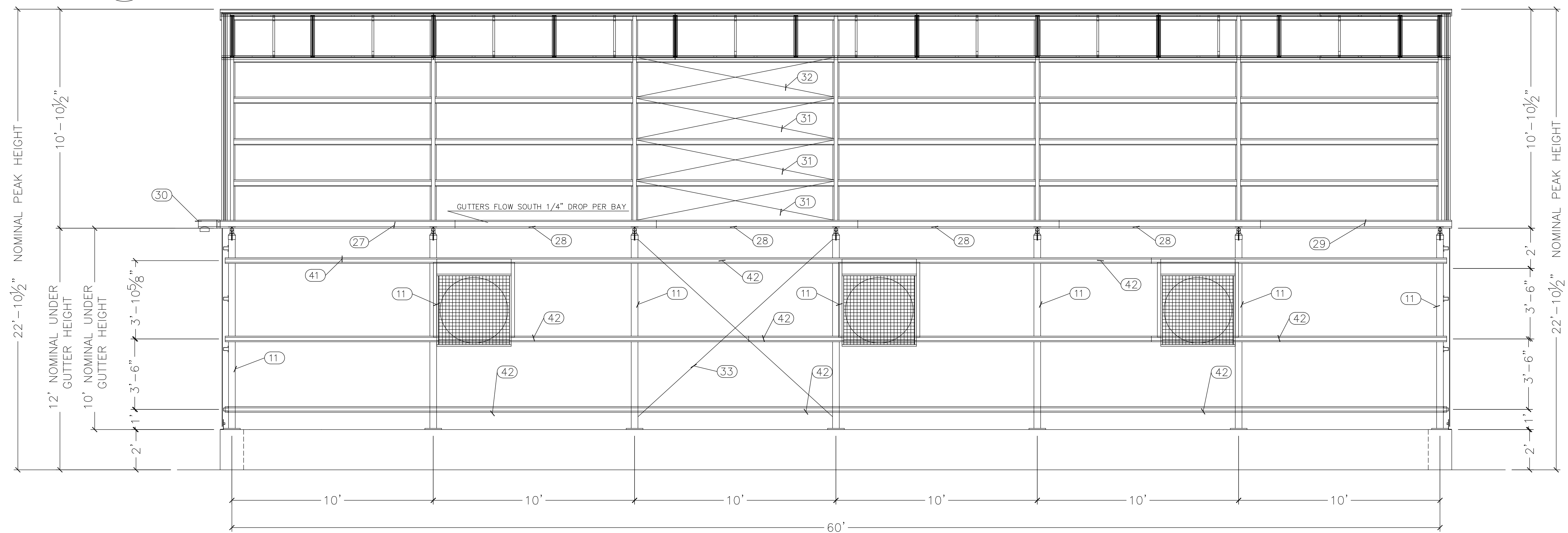
[illegible]

DESCRIPTION	PART #
27 CUTTER CR 14GA. START FOR 10'	GCR1412145.75
28 CUTTER CR 14GA. INTER FOR 10'	GCR1412121.75
29 CUTTER CR 14GA. STOP FOR 10'	GCR1412101.75
30 CUTTER OUTLET ASSY 13" W/ UPSET	G0092400
31 CABLE 3/16" W/ EYEBOLT X 140"	C5562140
32 CABLE 3/16" W/ SWAYBRACE LUG	C5563140
33 CABLE 1/4" X 224"	C5581224
34 PLATE_BOTTOM CHORD KNEE BRACE	S001982/KR
35 TUBE 1-1/2" SQ. X 16GA. X 288	C9016288
36 PURLIN 9-1/2 X 69.375 X 12 GA	P009D069.375X
37 PLYCO SINGLE SWNG DOOR 3'-6" X	DS04X20X08R
38 <del>WOOD</del> JAMB - 3"	J0030144
39 SCHAEFER 12" HAF FAN	FHV512
40 COL. TUBE 4" SQ. X 264" X 13GA.	G9452264
41 GIRT 9-1/2 X 147 X 18GA.	G0950147
42 GIRT 9-1/2 X 291 X 18GA.	G0950243
43 LEXAN 8MM PCSS CLEAR	LEX86
44 MODINE UNIT HEATER HSB340	HSB340
45 KNEE BRACE 2" X 16GA. X 66.5"	F253C066.5
46	
47	
48	
49	
50	
51	
52	
53	

$$1/4'' = 1'-0''$$



1  
S-2.0  
WEST SIDEWALL ELEVATION



2  
S-2.0  
EAST SIDEWALL ELEVATION

3/8" = 1'-0"

PAGE

S-2.0

ELEVATIONS

4th DIMENSION DESIGN, INC.

817 Venture Court  
Waukegan, WI 53189  
PHONE: (262) 984-6500  
FAX: (262) 984-6500  
www.4dco.com

PROJECT "B"  
2025

CUSTOMER: LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA SOUTH  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

DRAWING BY: DTC

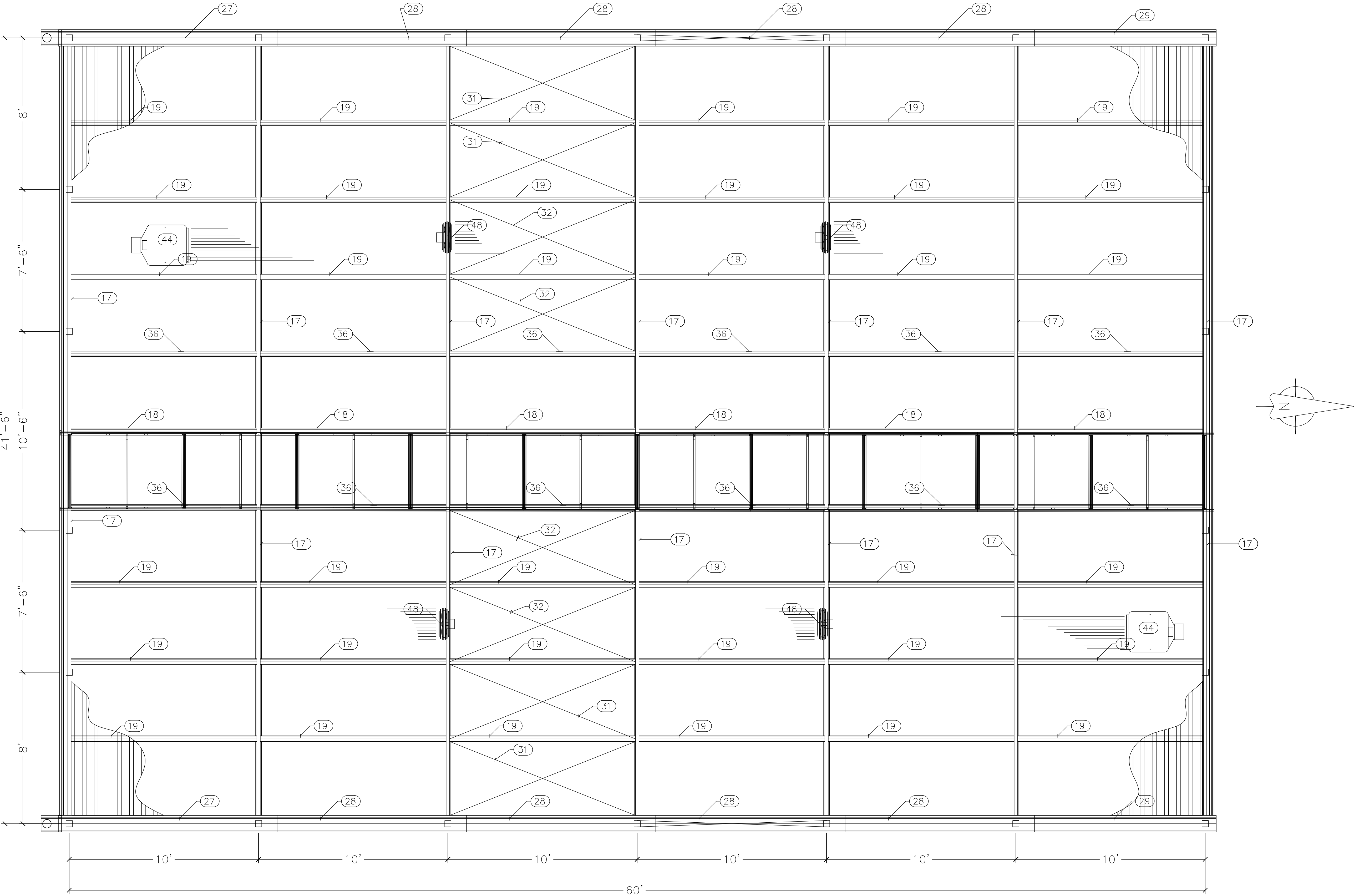
DRAWING TITLE: (1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE: 2/6/2025

REV. DATE DESCRIPTION

UNITED GREENHOUSE  
1855 FARM ROAD  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
1-608-884-8941  
FAX: 1-608-884-6137

ALL DIMENSIONS GIVEN TO THE  
CENTERS OF COLUMNS



1 ROOF FRAMING PLAN  
S-3.0

PAGE  
S-3.0  
ROOF FRAMING  
PLAN

4th DIMENSION DESIGN, INC.  
817 Veneta Court  
Waukesha, WI 53189  
PHONE: (262) 984-6500  
FAX: (262) 984-6500  
www.4d.com

PROJECT: PROJECT "B"  
2025

CUSTOMER: LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA SOUTH  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

DRAWING BY: DTC

DRAWING TITLE: (1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE: 2/6/2025

REV	DATE	DESCRIPTION

UNITED GREENHOUSE  
1857 FARM ROAD  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137

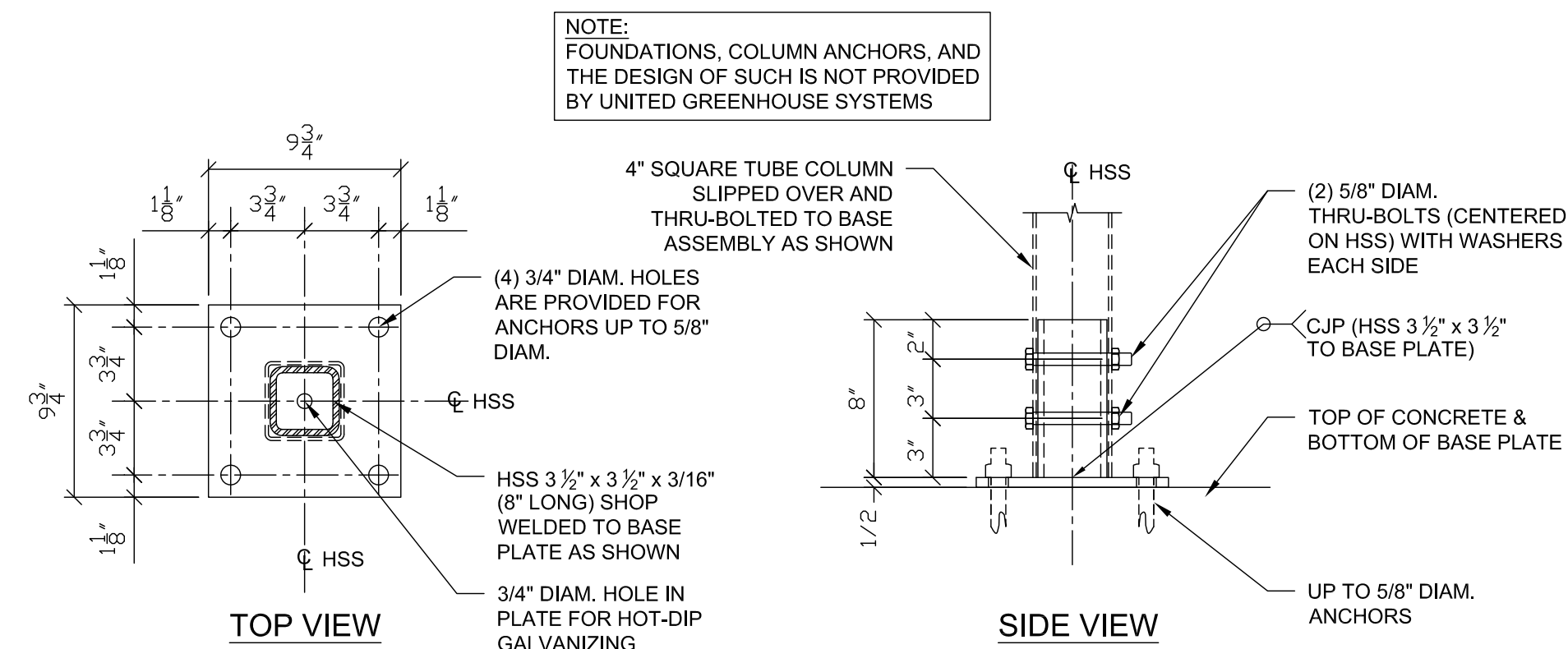
3/8" = 1'-0"



## COLUMN LOADS ON FOUNDATION

LOCATION	X-DIR	Z-DIR	DOWN	UPLIFT
①	±0.3	±0.2	1.1	-0.4
②	±0.2	±0.8	1.5	-0.8
③	±1.0	0	5.6	-1.0
④	±1.0	±1.6	5.6	-2.5

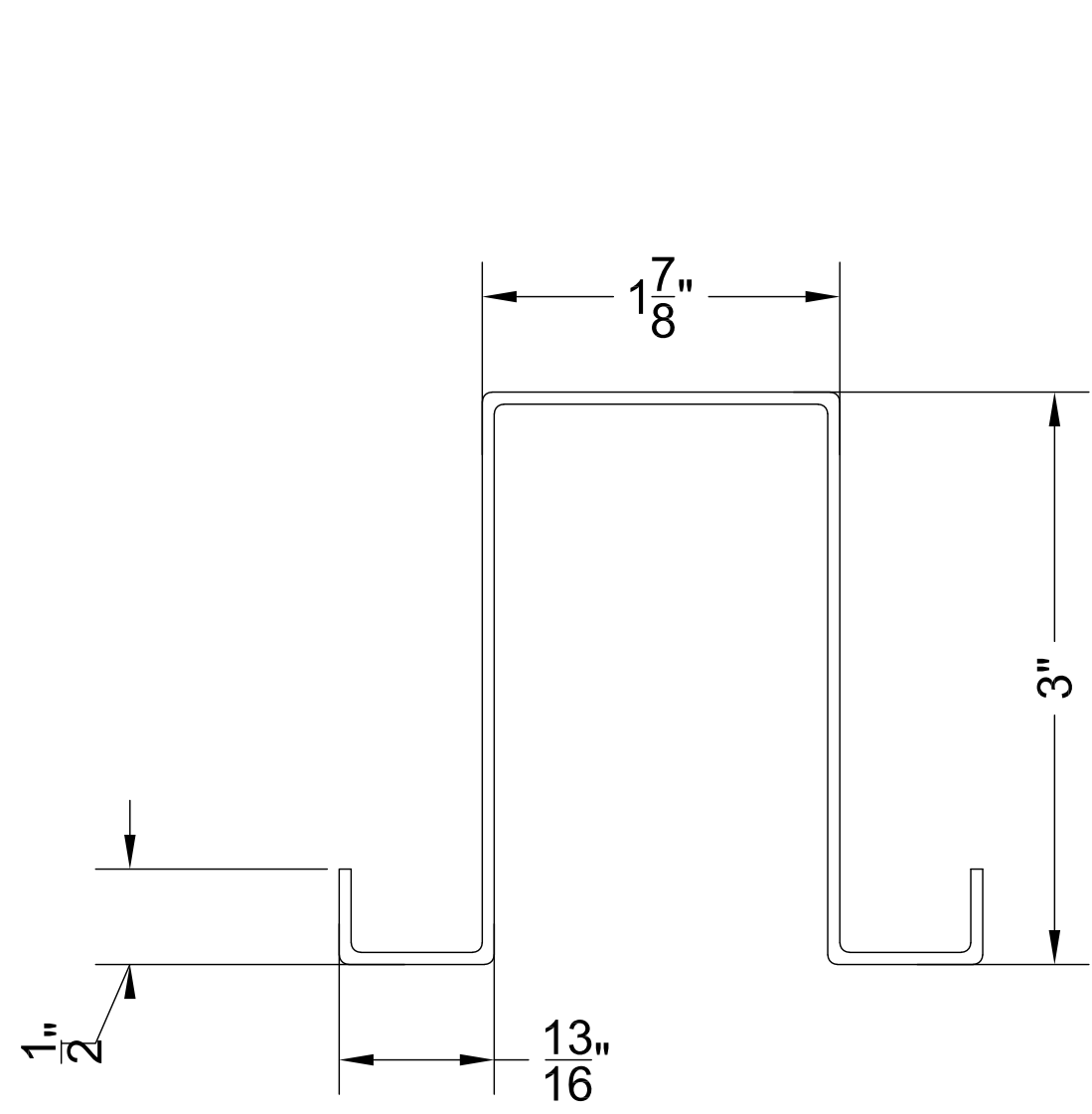
LOADS SHOWN ARE IN KIPS. ALL LOADS ARE SERVICE  
LEVEL (ASD) AND ARE THE MAXIMUM ENVELOPE RESULT  
OF THE ASD LOAD COMBINATIONS AS REQUIRED BY  
CODE. BASES ARE DESIGNED AS "PINNED."



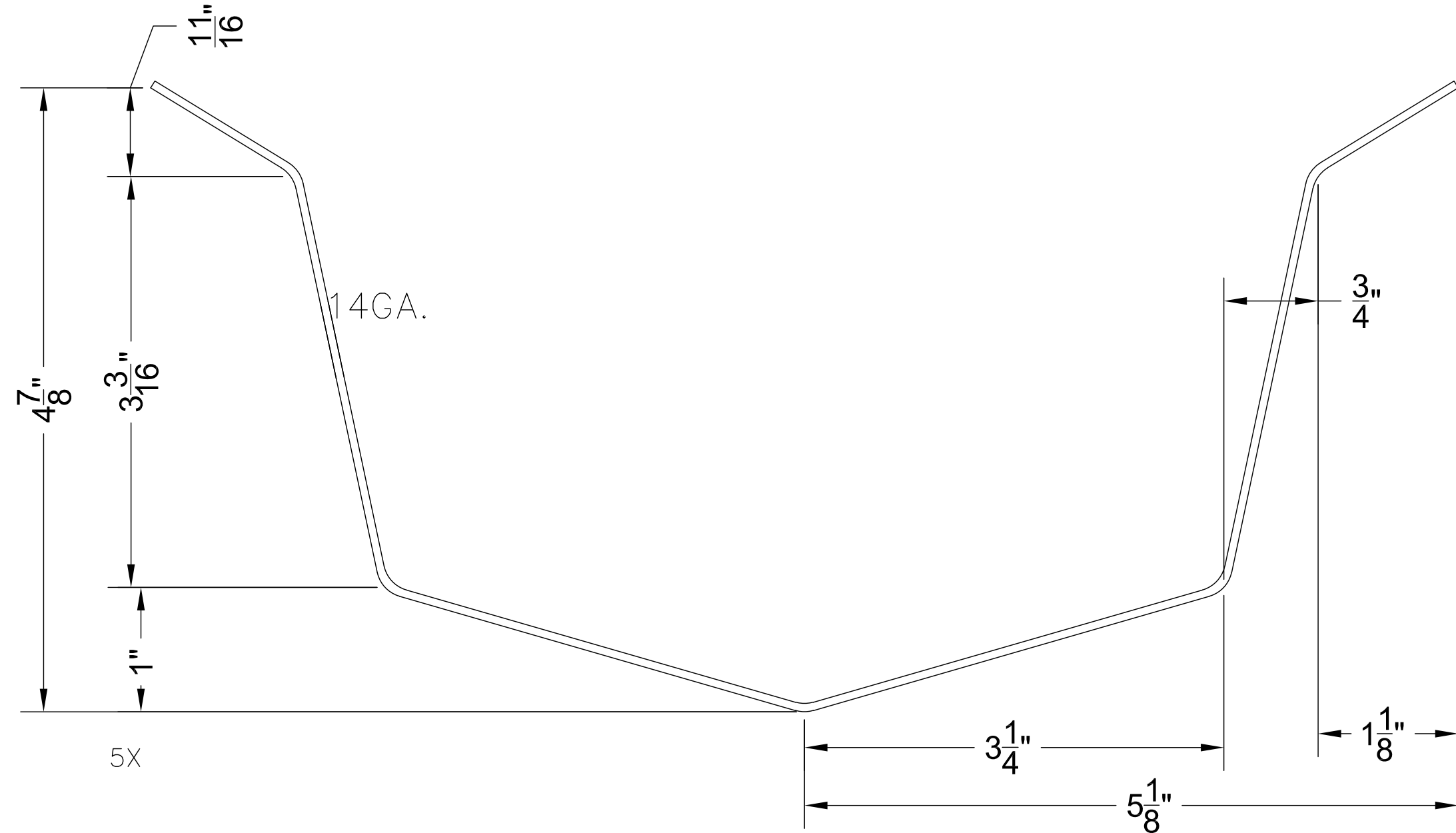
TYP. COLUMN BASE DETAIL

SCALE: 1 1/2" = 1'-0"

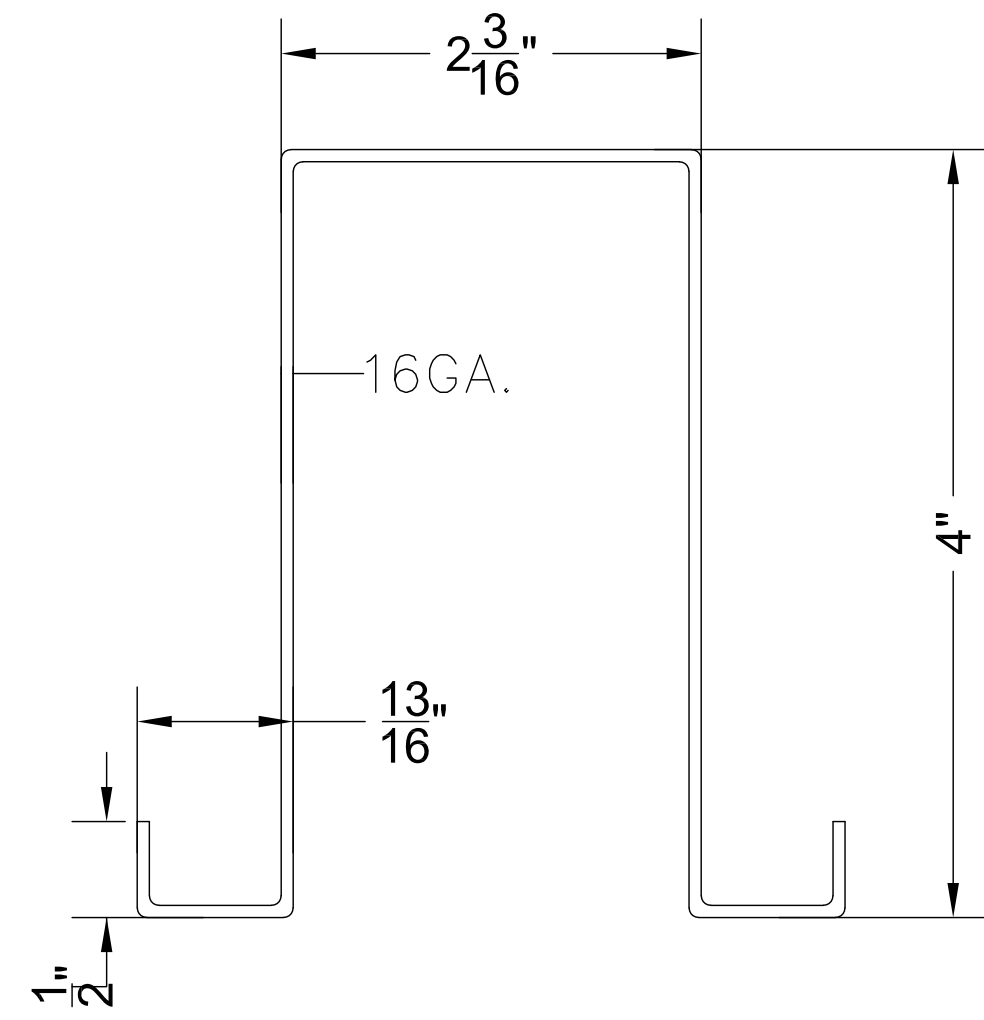
$$3/8'' = 1'-0''$$



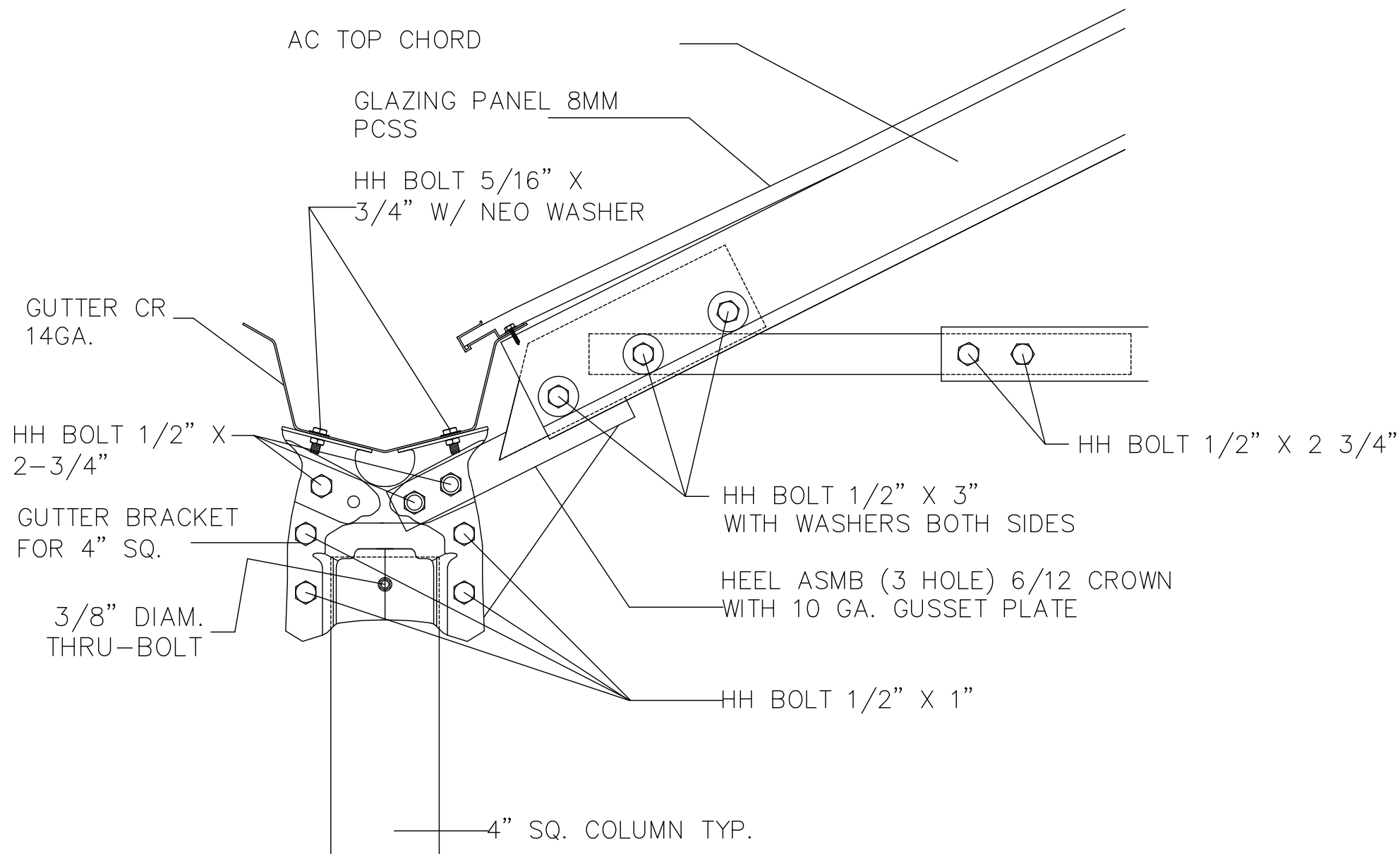
1  
S-4 PURLIN / GIRT SECTION  
PURLIN PER PLANS  
RIDGE PURLIN PER PLANS  
GIRT PER PLANS



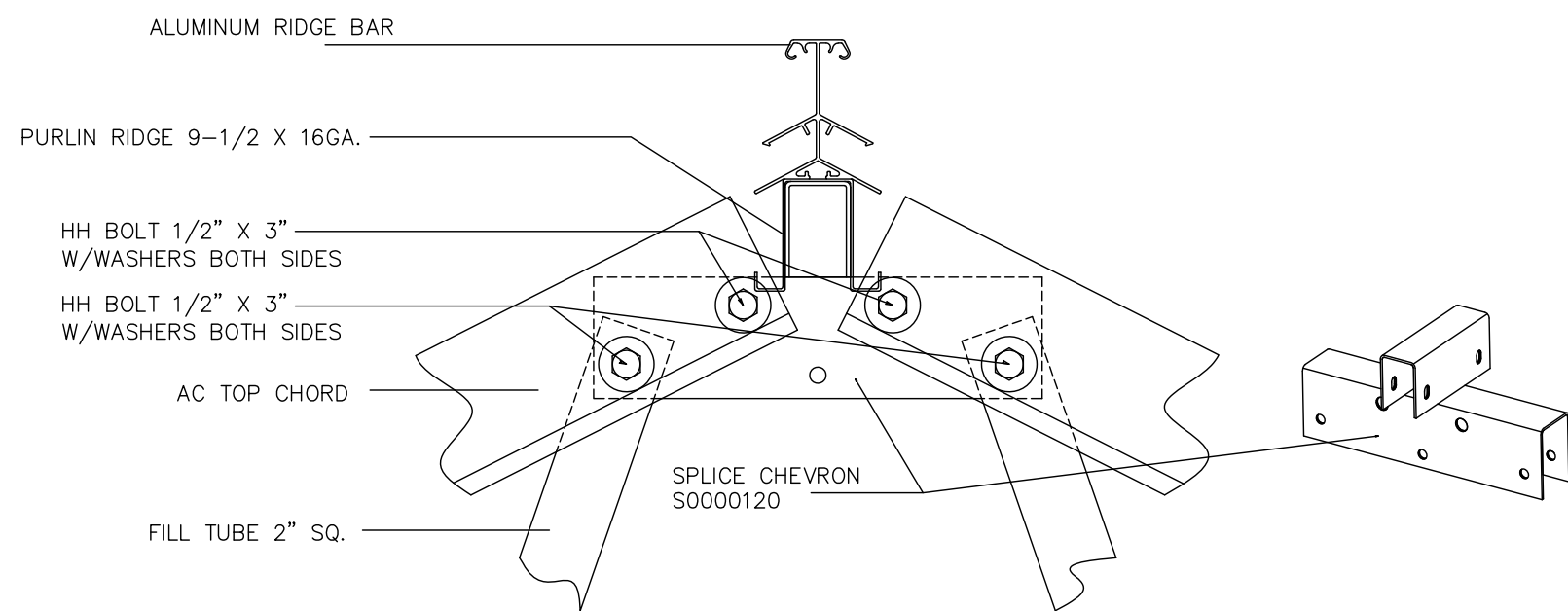
2  
S-4 GUTTER SECTION  
GUTTER LAPS IN DIRECTION OF FLOW



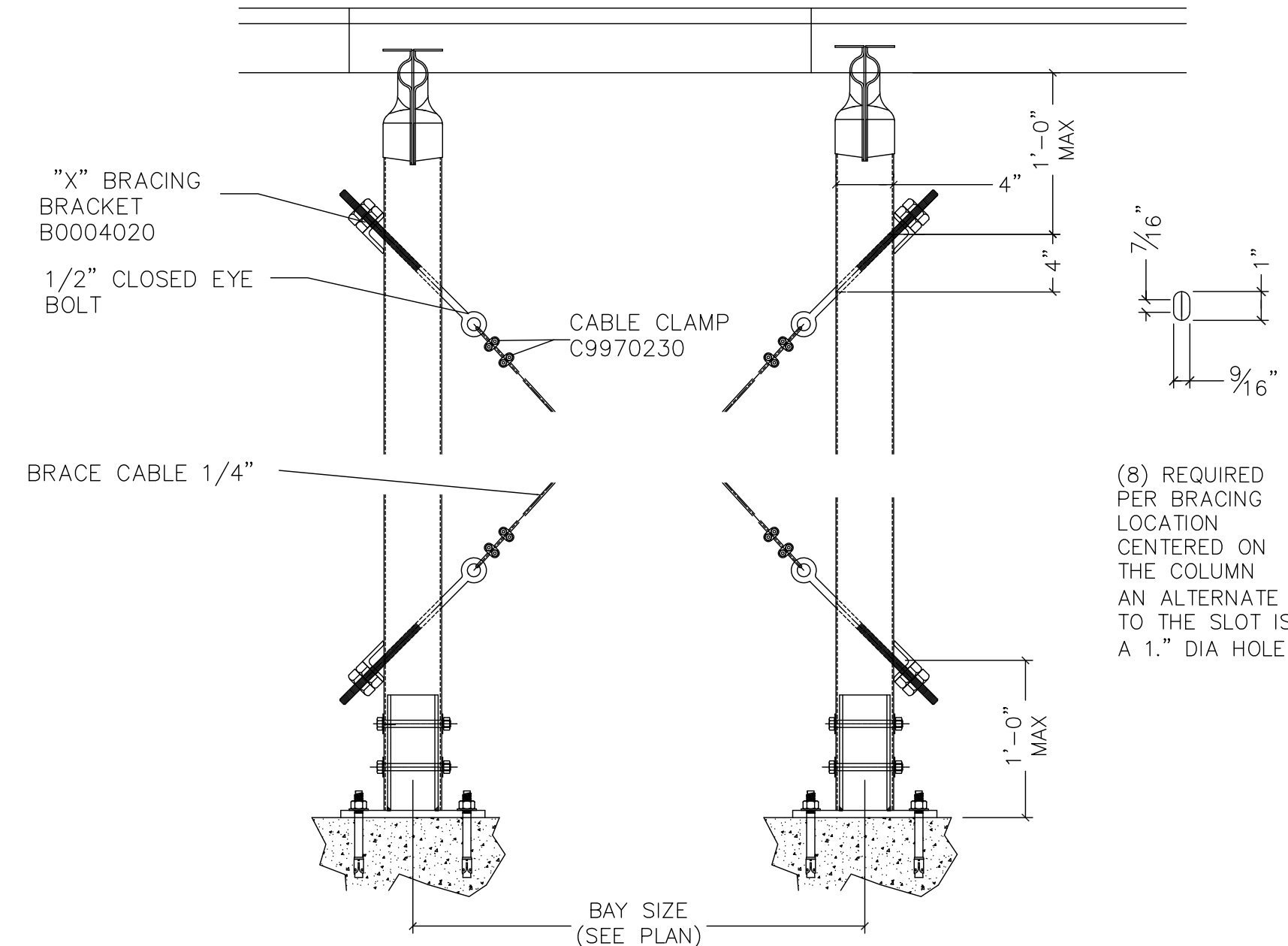
3  
S-4 TOP CHORD SECTION



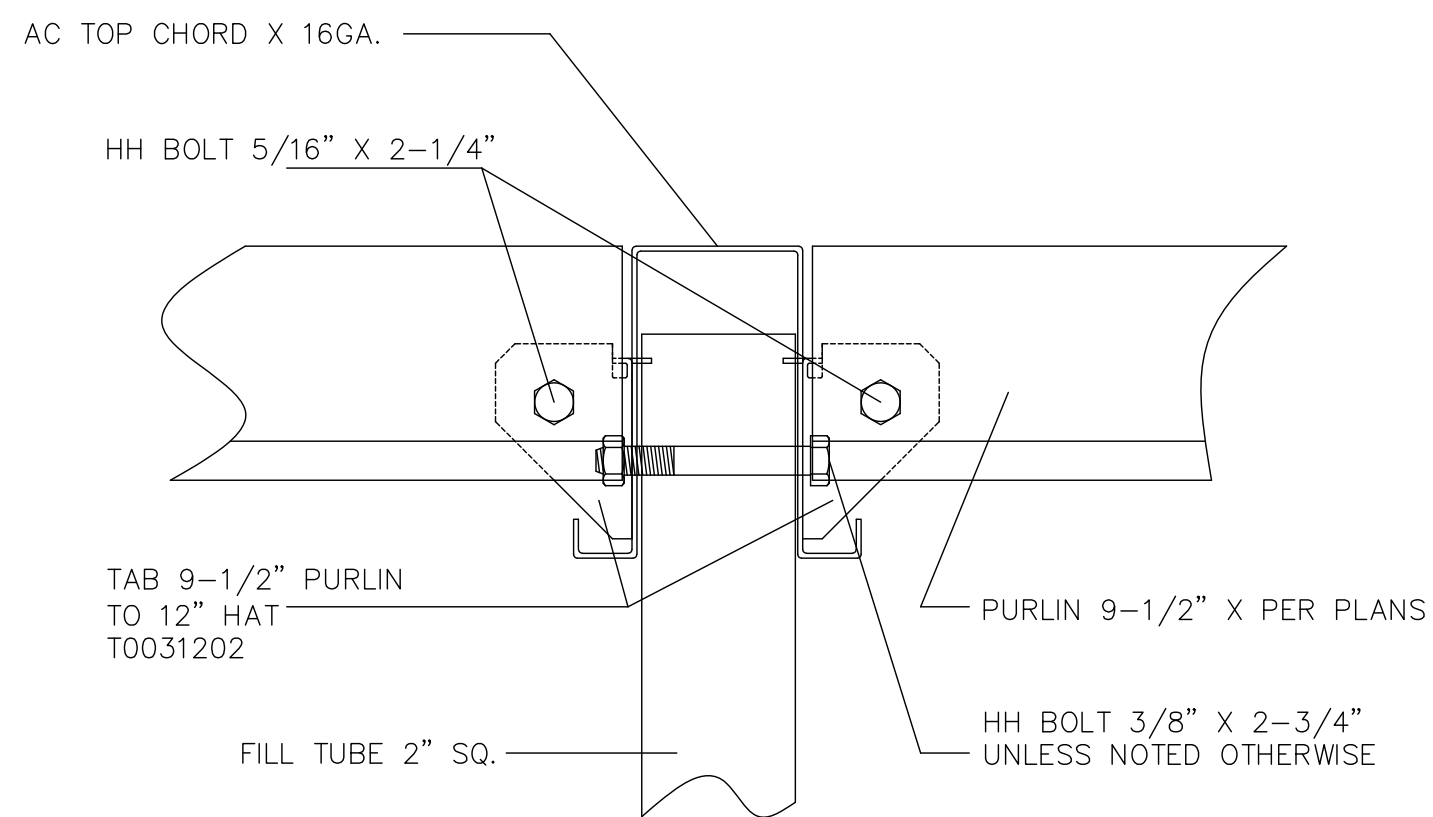
4  
S-4 COLUMN TO TRUSS CONNECTION



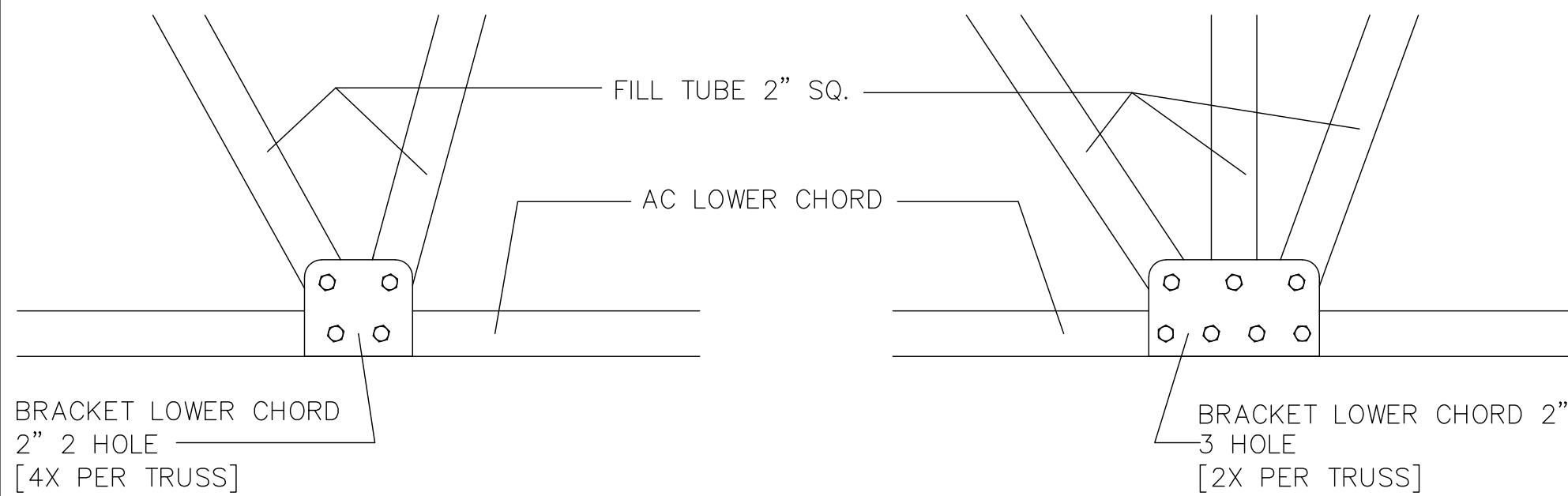
5  
S-4 SPLICE CHEVRON CONNECTION



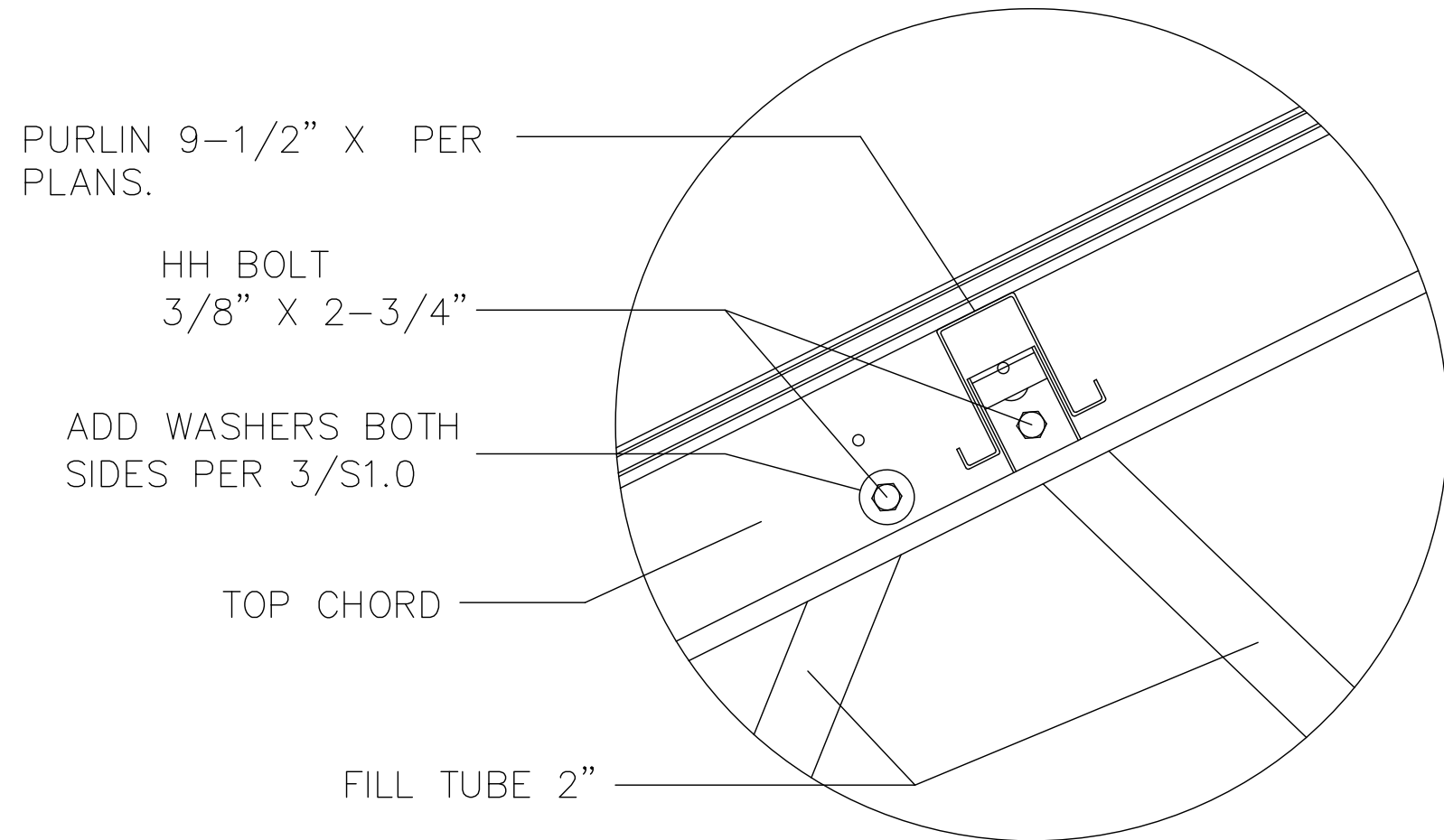
6  
S-4 SIDEWALL CABLE BRACING



7  
S-4 PURLIN TO TRUSS CONNECTION

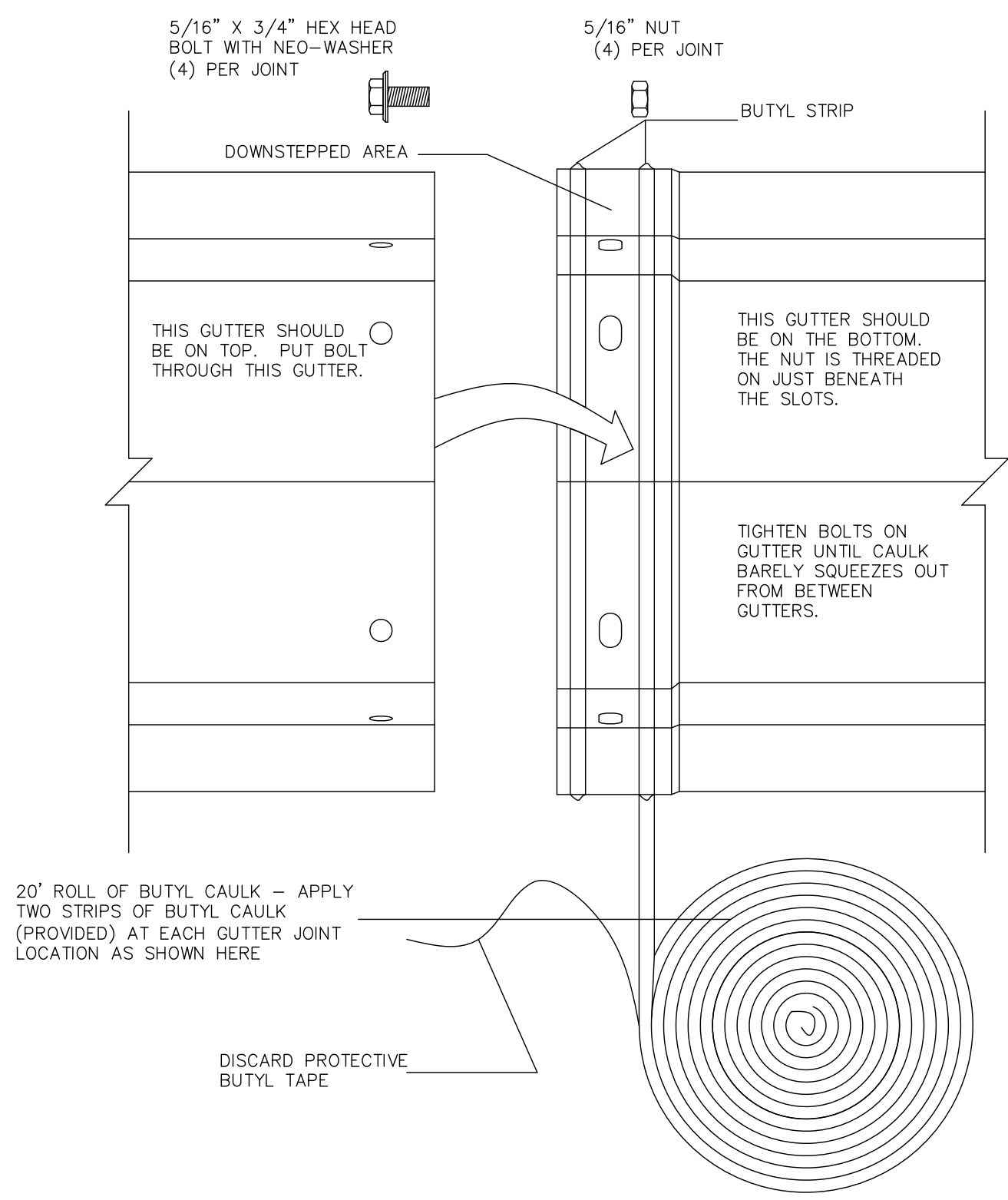


8  
S-4 BOTTOM CHORD CONNECTIONS  
ALL BOLTS ADDRESSED IN THIS DETAIL:  
HH BOLT 3/8 inch X 2-3/4 inch



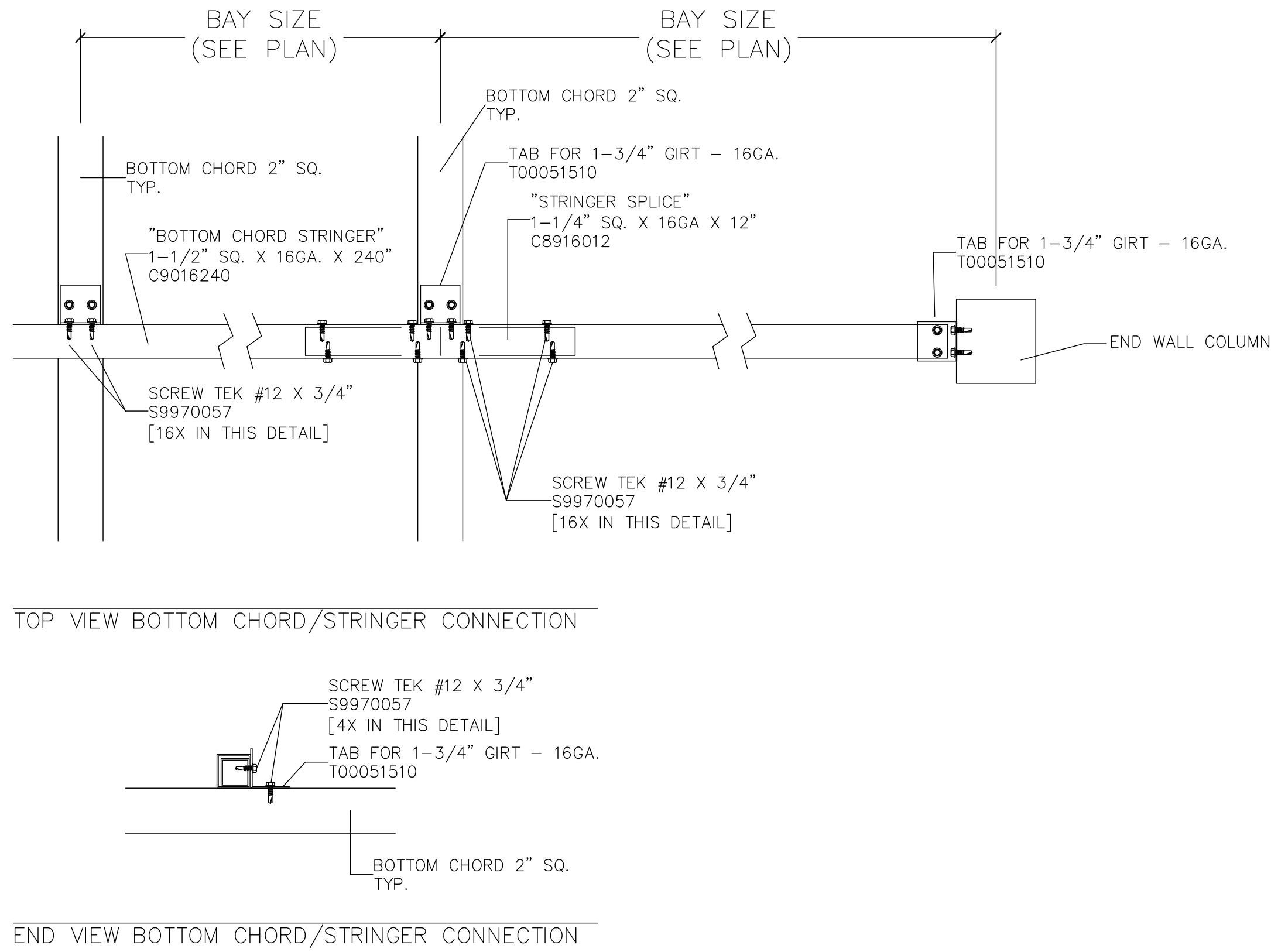
9  
S-4 TOP CHORD TO FILL TUBE 41'-6" HOUSES

REV	DATE	DESCRIPTION



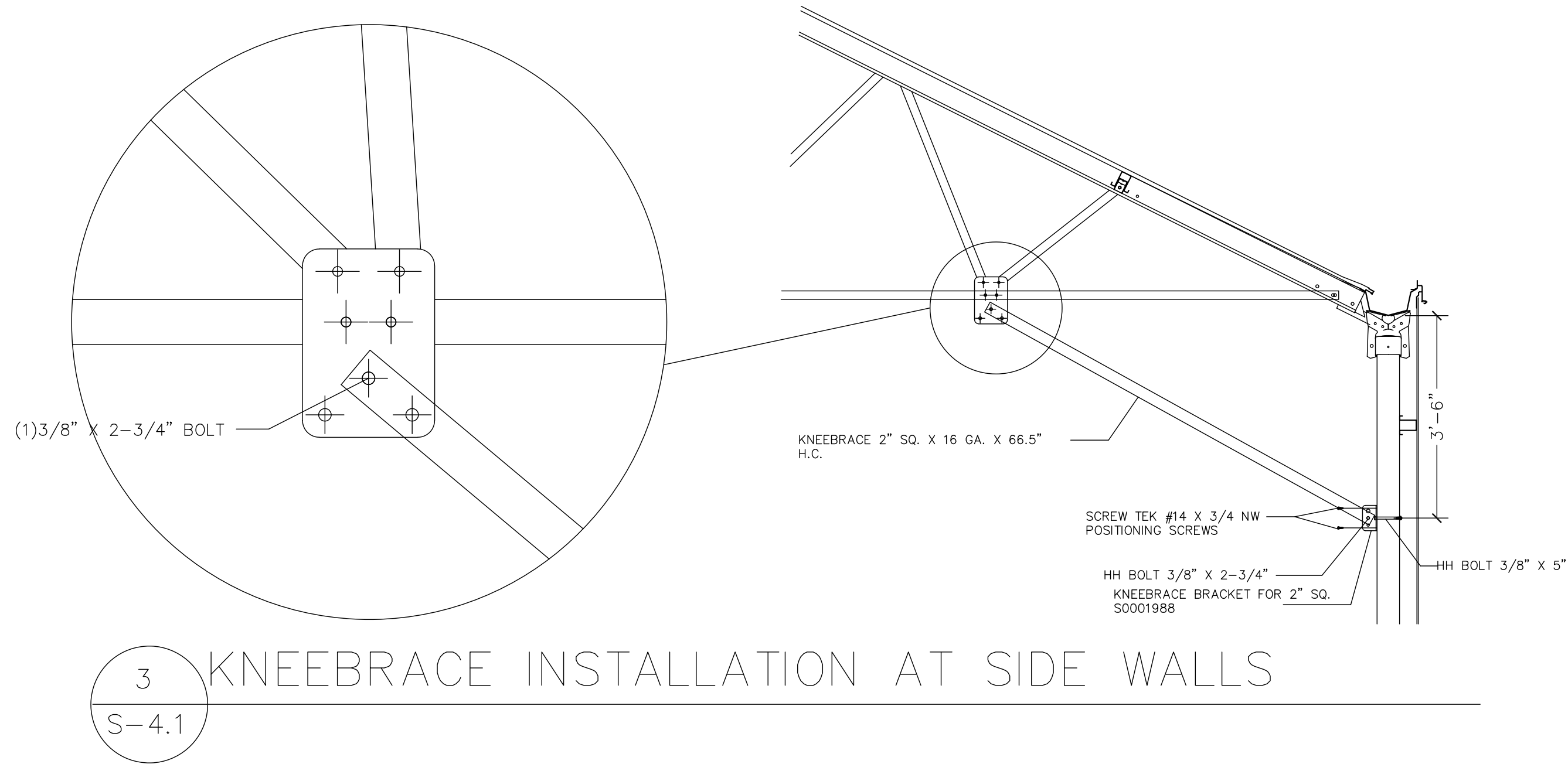
1  
S-4.1

GUTTER LAP CONNECTION



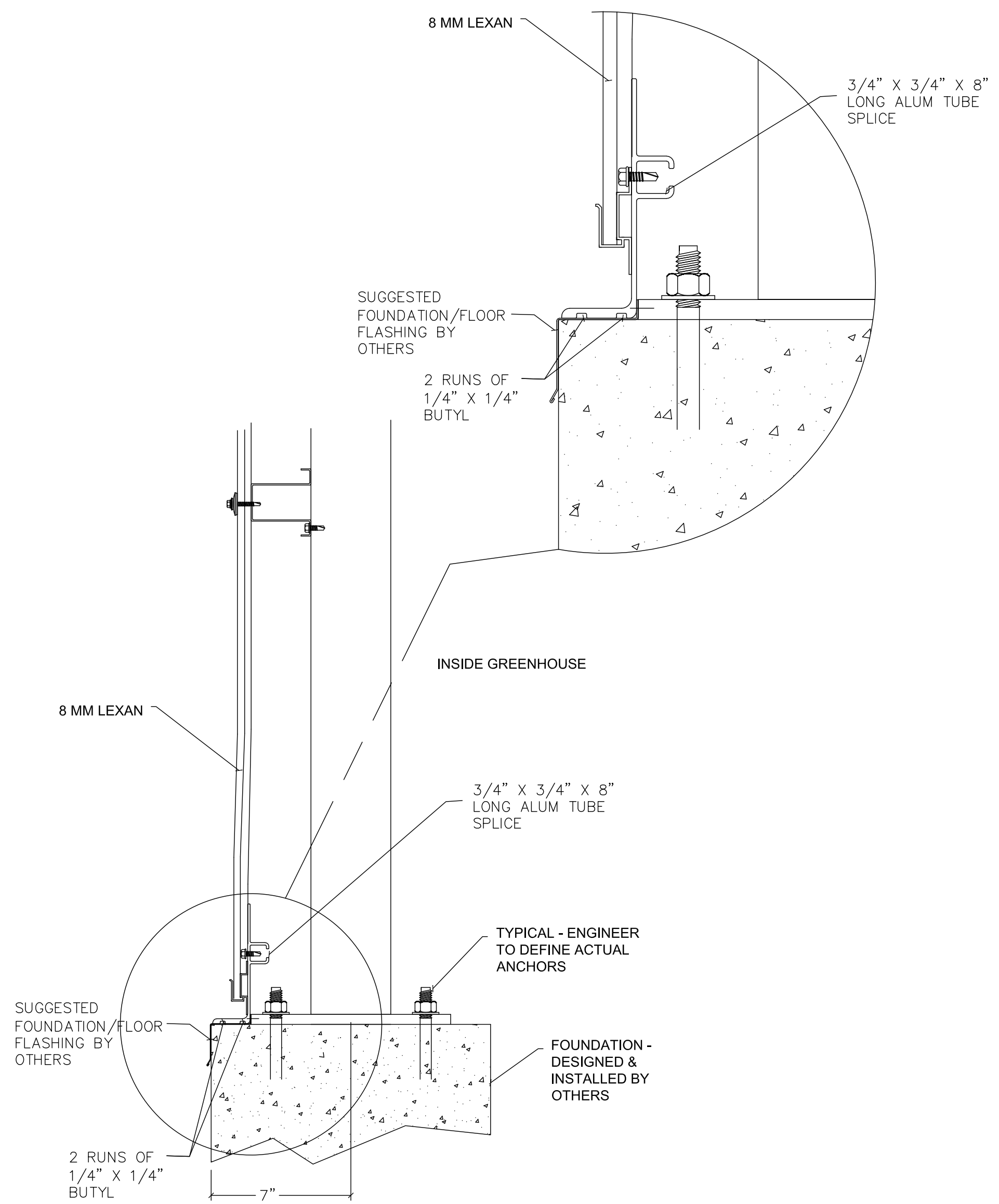
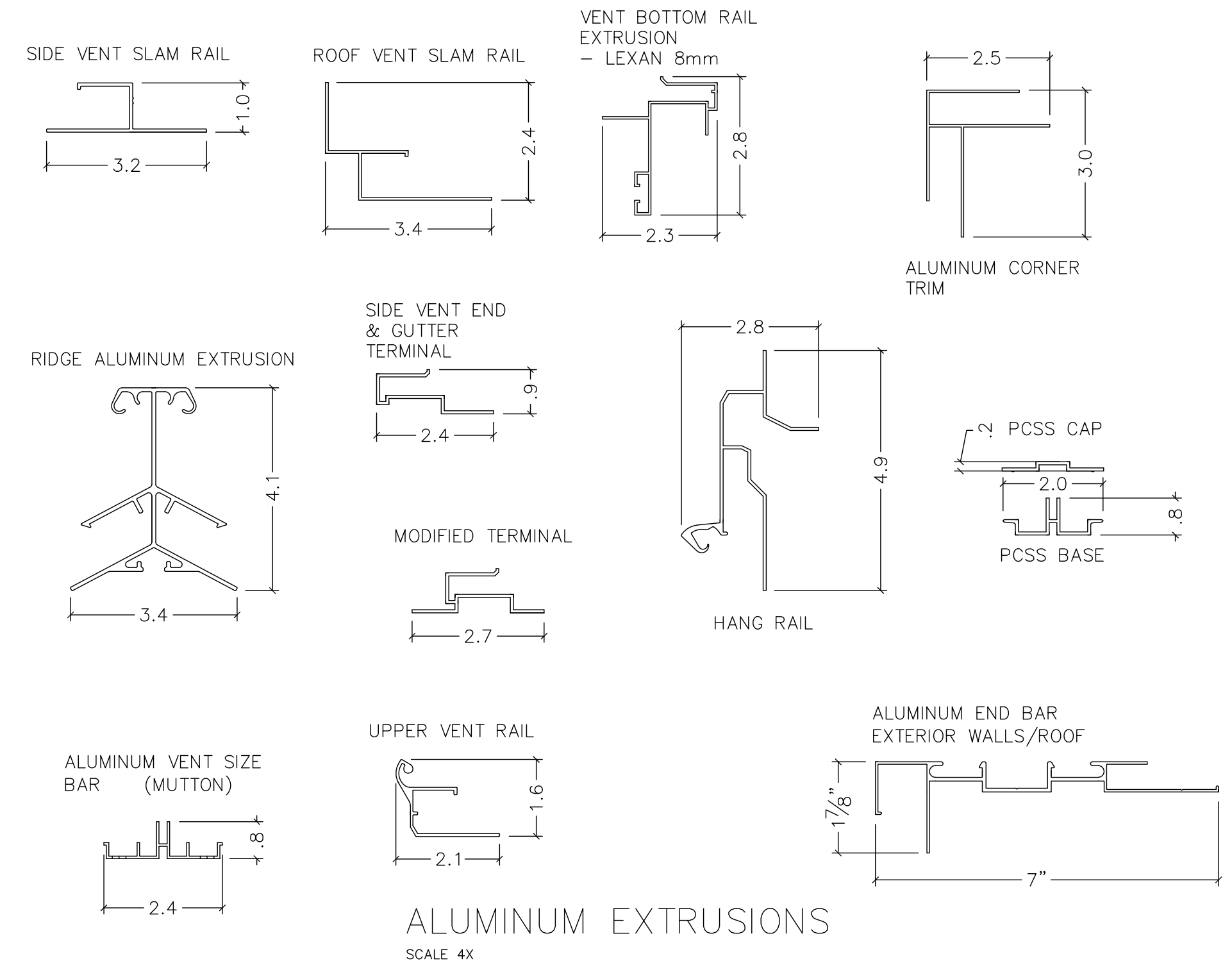
2  
S-4.1

STRINGER CONNECTION



3  
S-4.1

KNEEBRACE INSTALLATION AT SIDE WALLS



4  
S-4.1

GLAZING TERMINATION AT WALL DETAILS

PAGE

S-4.1  
2D DETAILS



PROJECT: PROJECT "B" 2025

CUSTOMER: LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA, SOUTH  
807 EAST AVENUE, SOUTH  
LA CROSSE, WI 54601

DRAWING BY: DTC

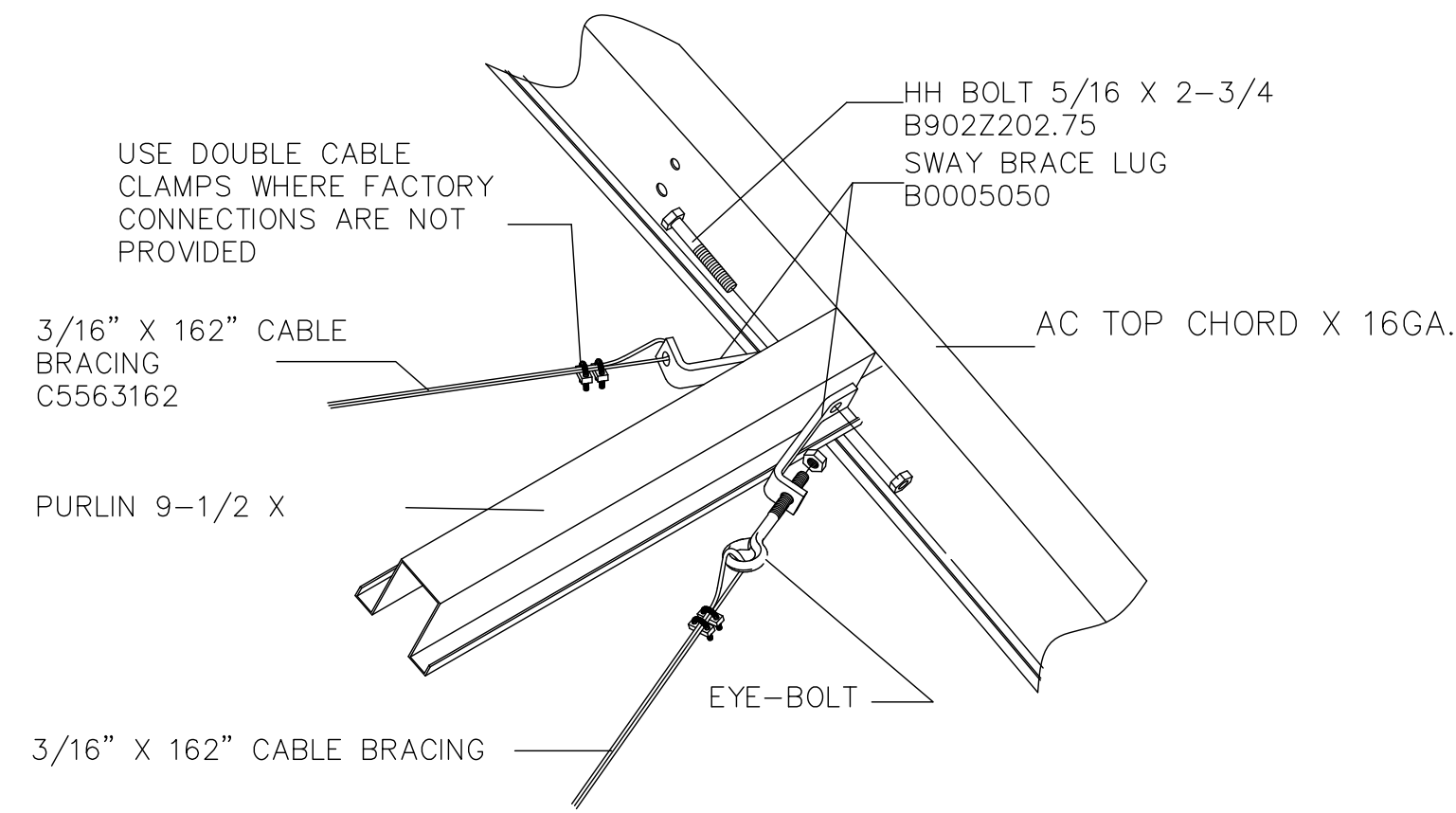
DRAWING TITLE: (1) 41'-6" X 60'-0" AMBASSADOR CROWN GREENHOUSE STRUCTURES

DATE: 2/6/2025

REV	DATE	DESCRIPTION

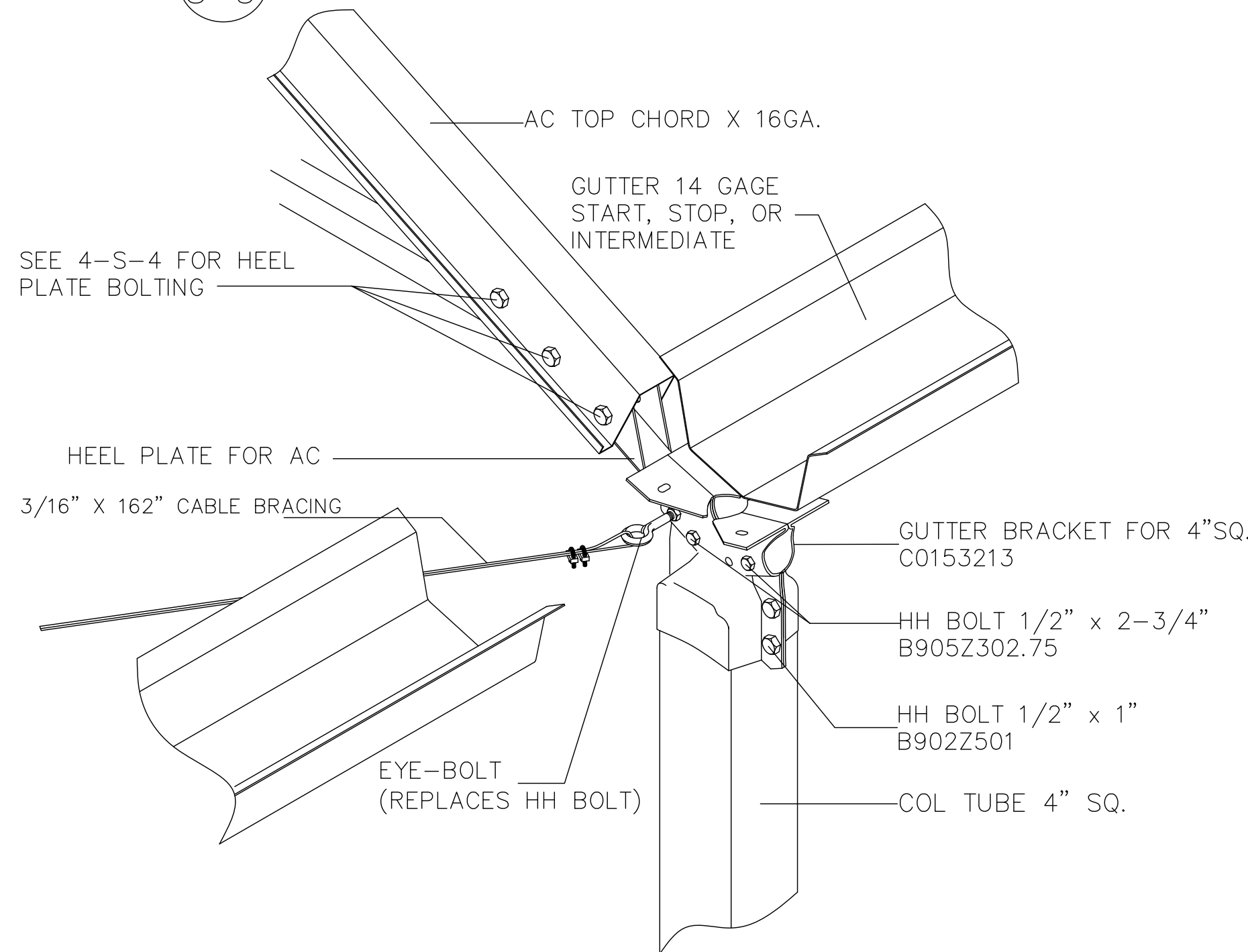
UNITED GREENHOUSE  
18575 WISCONSIN DRIVE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-8941





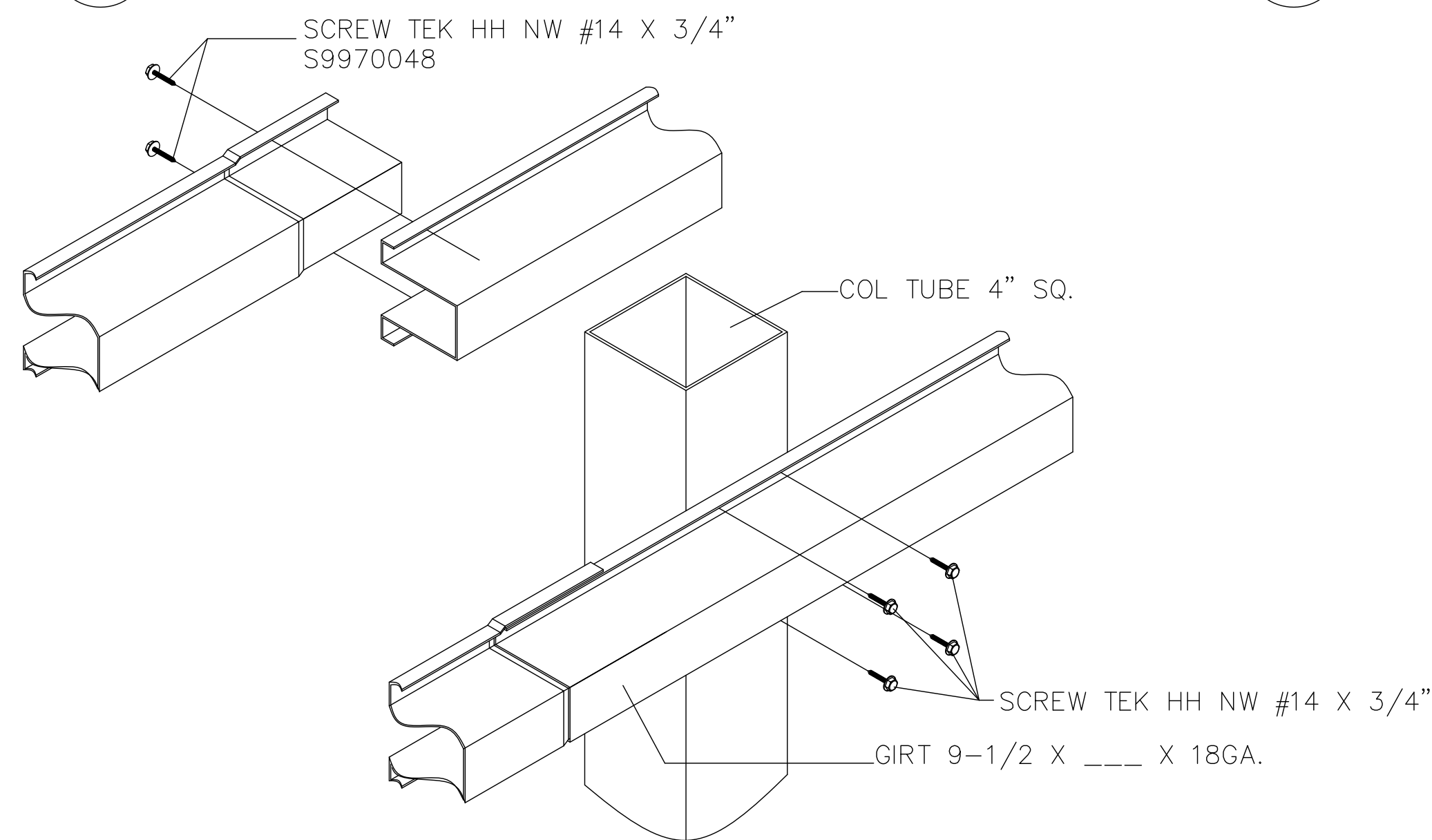
1  
S-5

ROOF CABLE BRACING



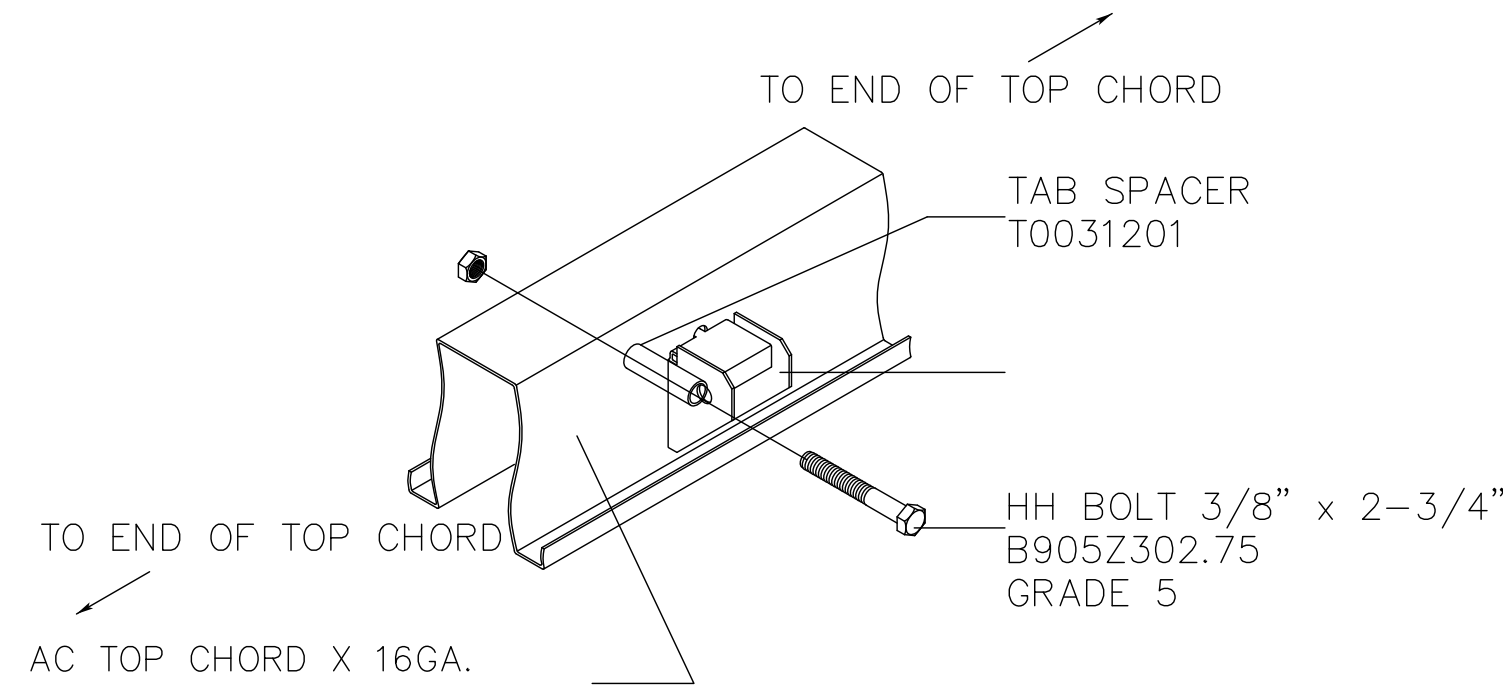
4  
S-5

ROOF CABLE BRACING (GUTTER)



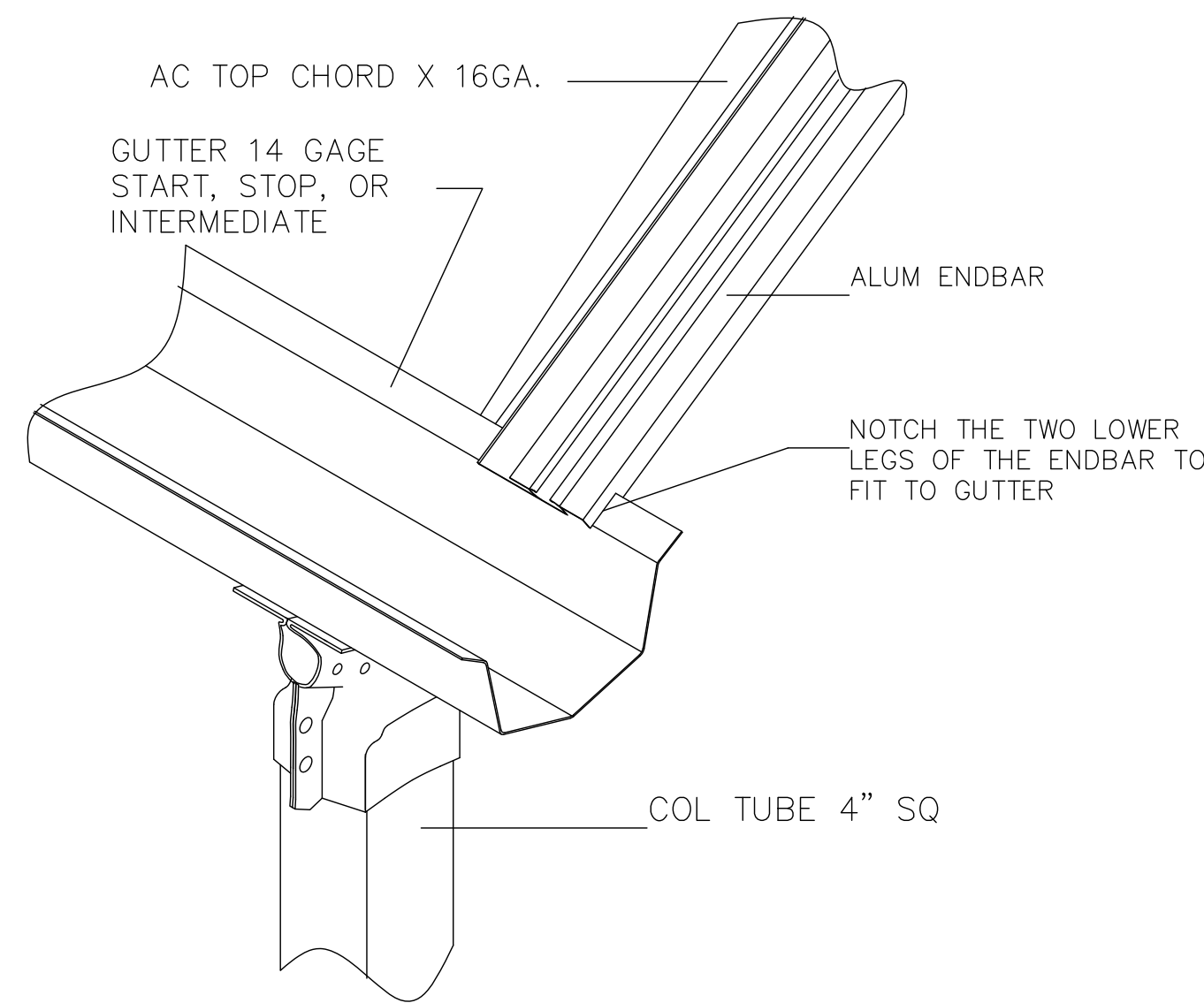
7  
S-5

GIRT SPLICE AND ATTACHMENT



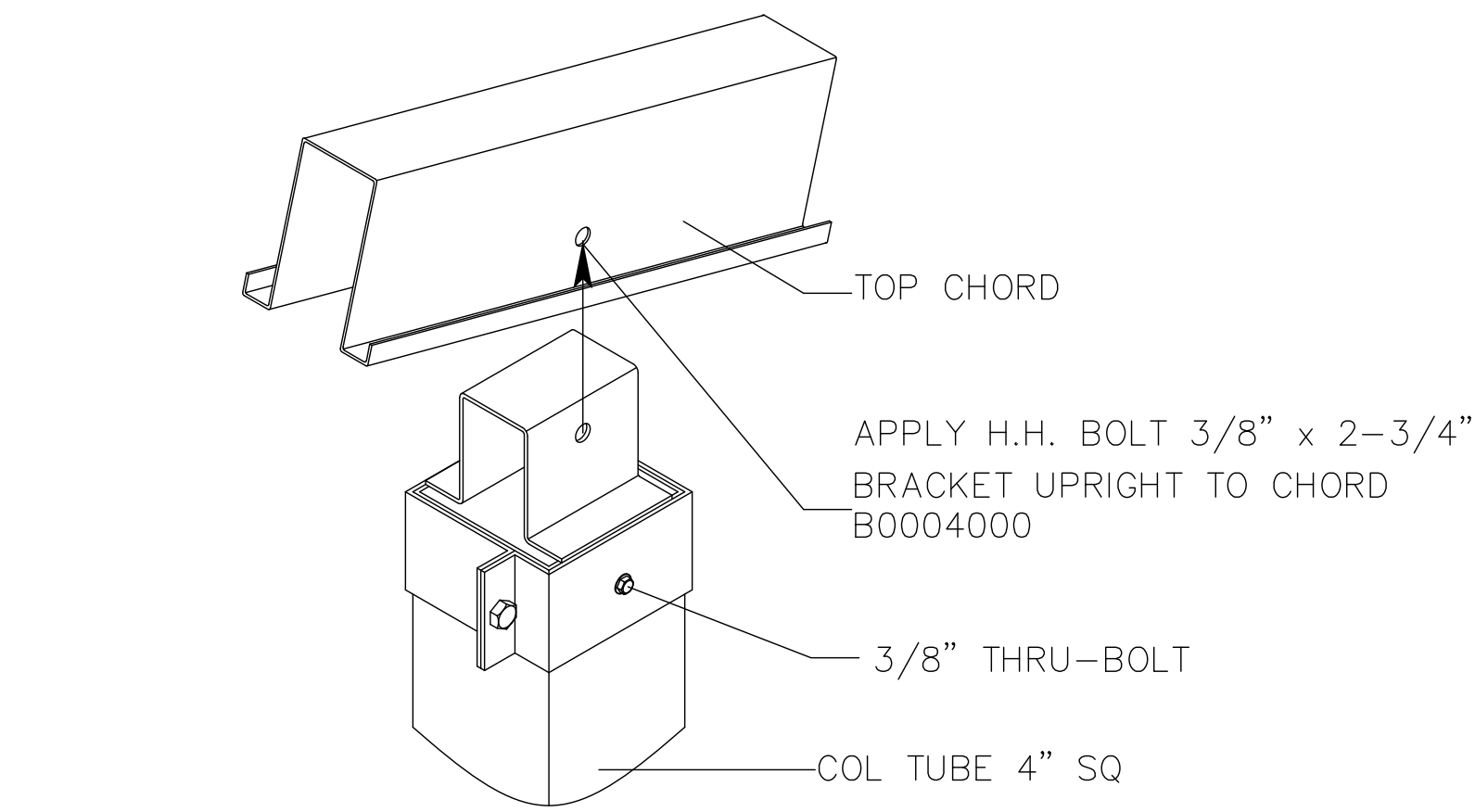
2  
S-5

PURLIN TAB ATTACHMENT



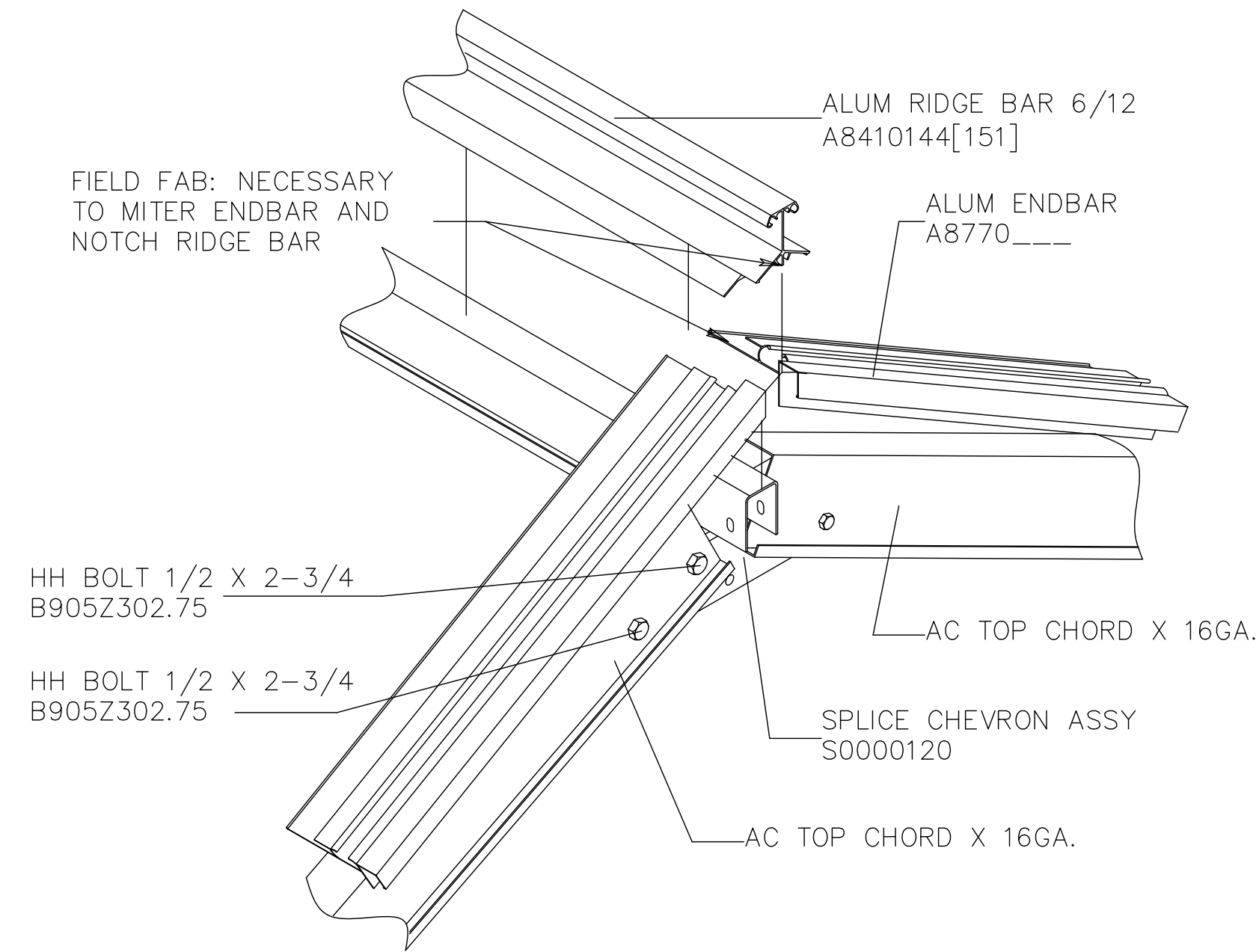
5  
S-5

ALUMINUM ENDBAR ATTACHMENT



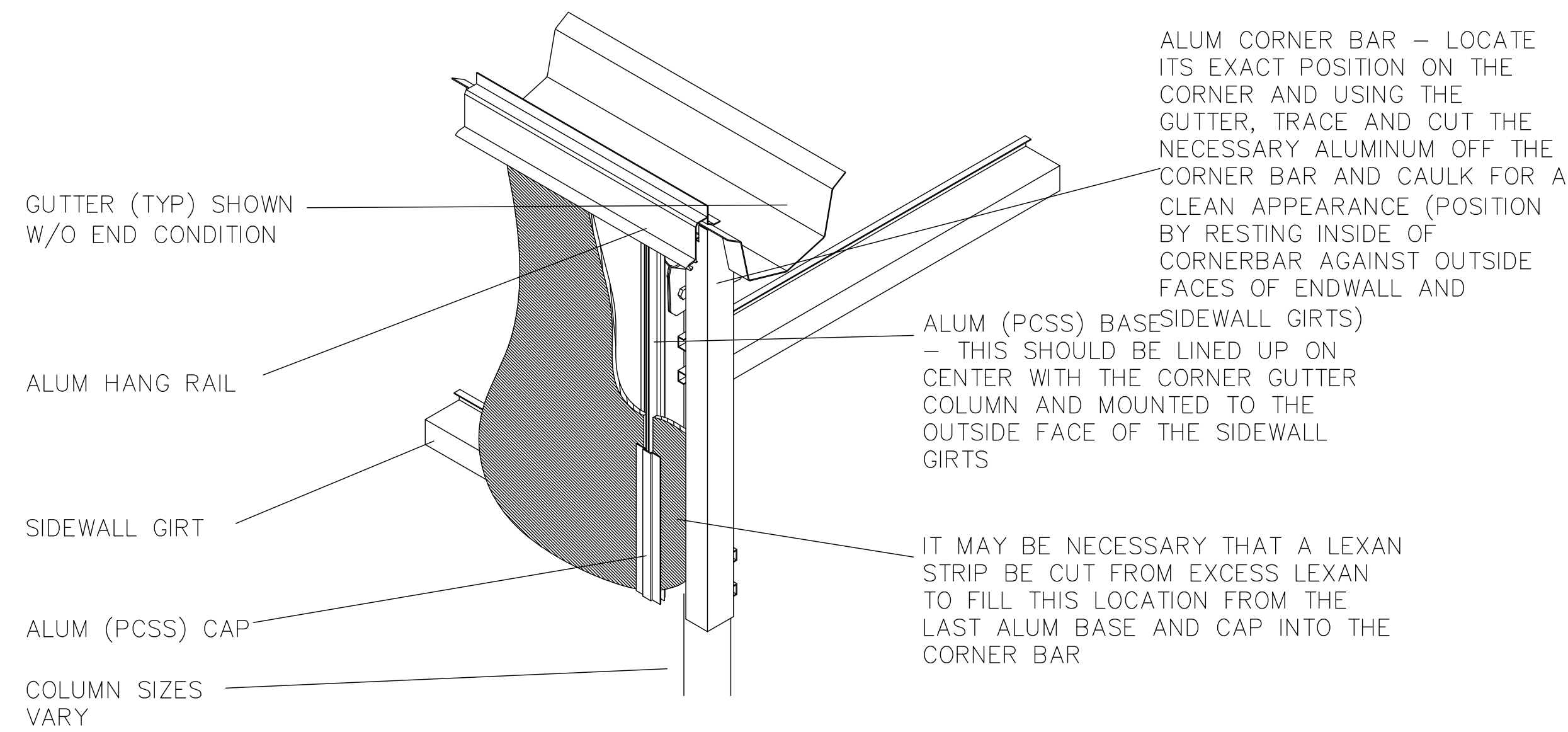
3  
S-5

COLUMN TO TOP CHORD ATTACHMENT



6  
S-5

RIDGE BAR/ENDBAR DETAIL



8  
S-5

ALUMINUM CORNER BAR ATTACHMENT

SCALE NONE

PAGE

S-5.0  
3D DETAILS

4th DIMENSION DESIGN, INC.  
817 Venture Court  
Waukesha, WI 53189  
PHONE: (262) 884-6500  
FAX: (262) 884-6505  
www.4d.com

PROJECT: PROJECT "B"  
2025

CUSTOMER: LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA, SOUTH  
807 EAST AVENUE, SOUTH  
LA CROSSE, WI 54601

DRAWING BY: DTC

DRAWING TITLE: (1) 41'-6" X 60'-0" AMBASSADOR CROWN GREENHOUSE STRUCTURES

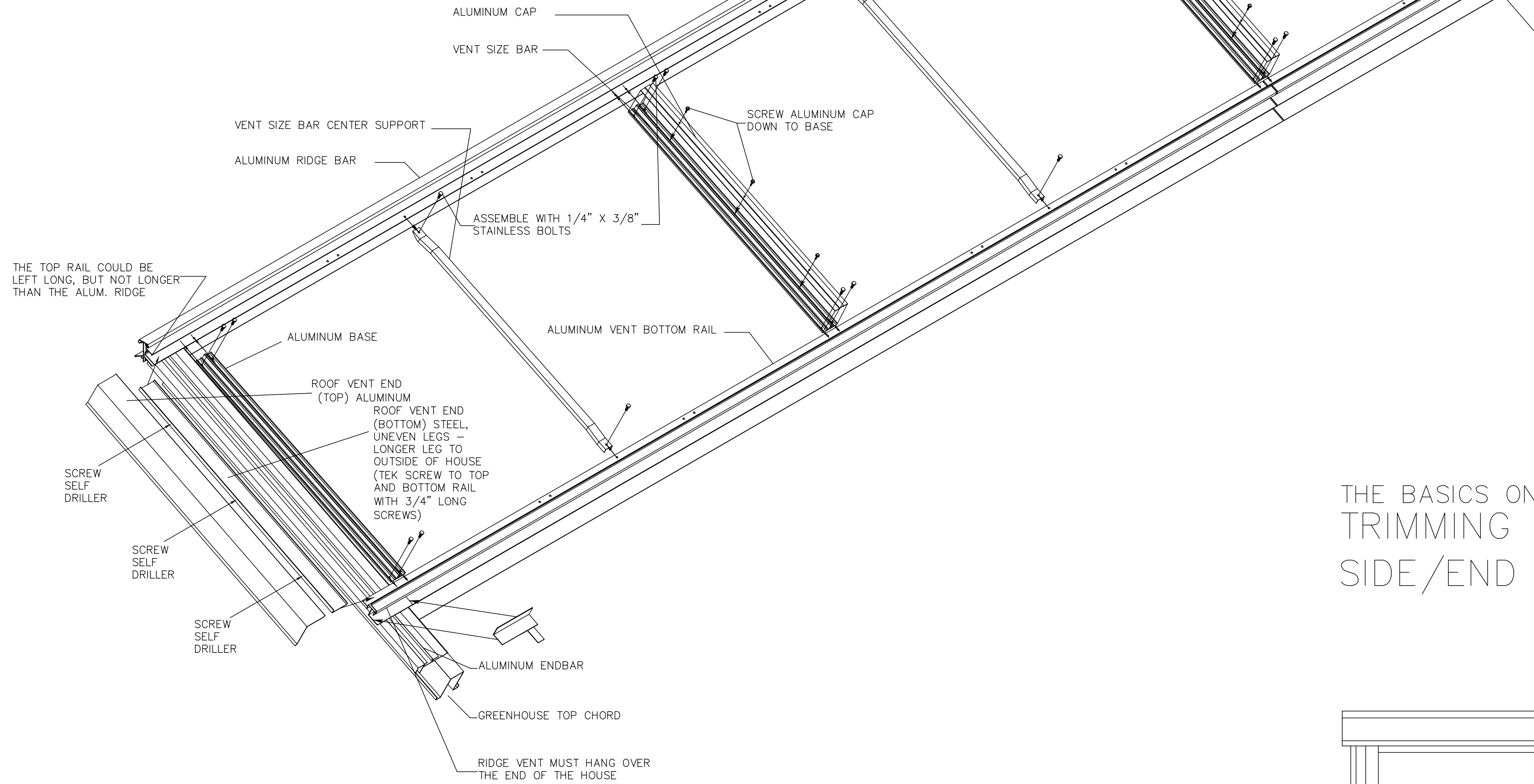
DATE: 2/6/2025

REV	DATE	DESCRIPTION

UNITED GREENHOUSE  
5857 WISCONSIN DRIVE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
1-608-884-8941  
FAX: 1-608-884-6137

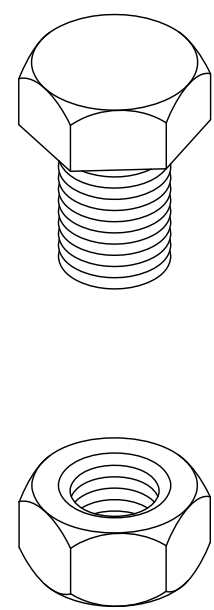


RIDGE VENT  
ASSEMBLY

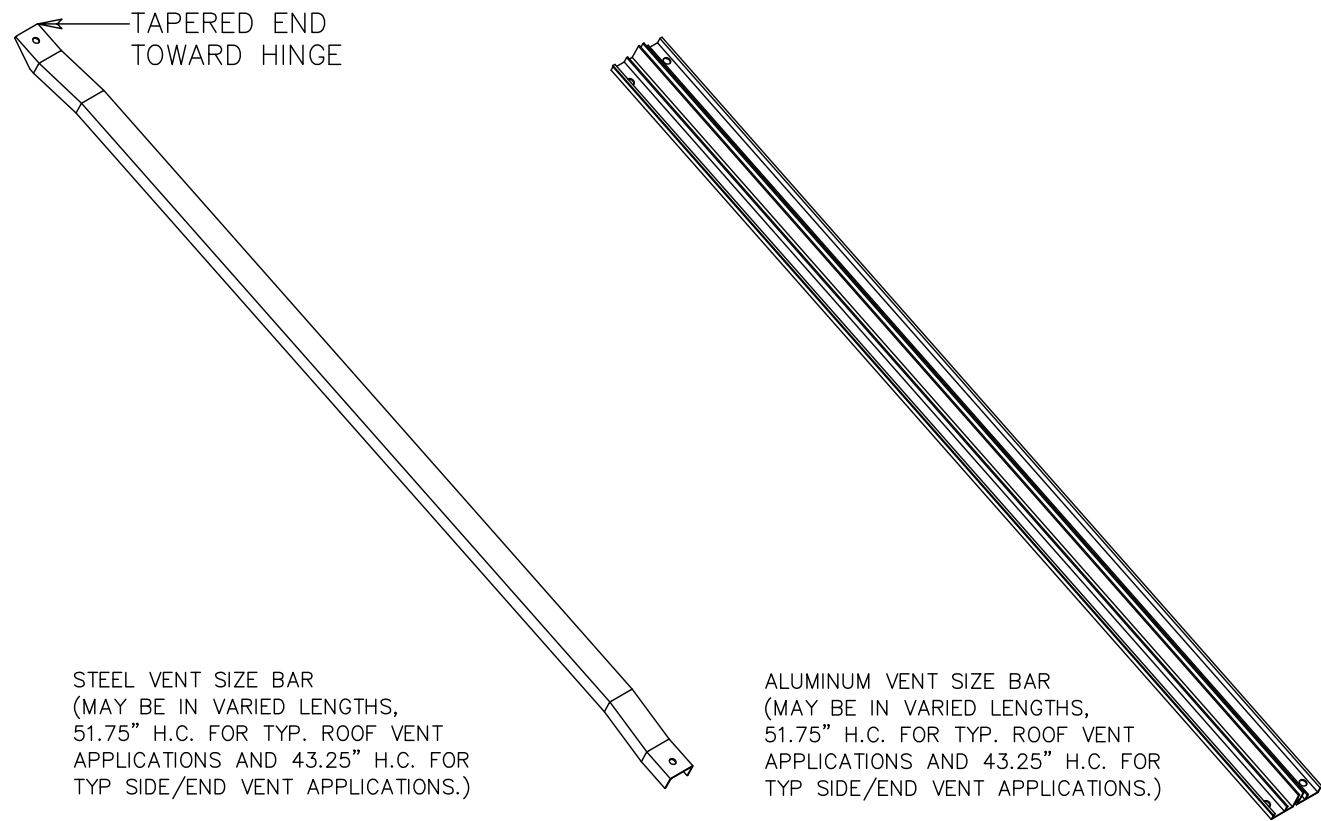


1  
S-6.1

VENT FRAMEWORK ASSEMBY INSTRUCTIONS



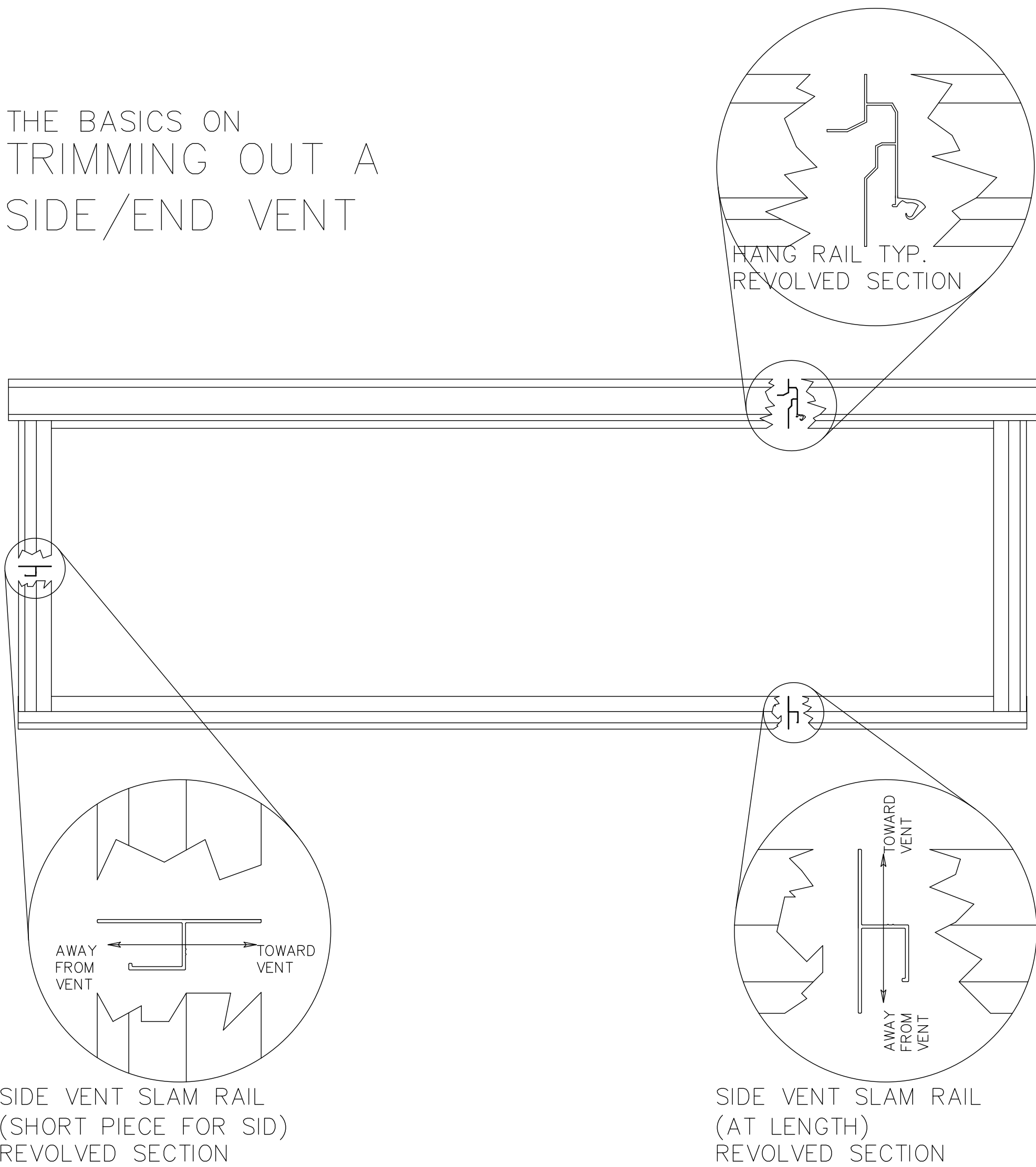
VENTS ARE ALWAYS ASSEMBLED WITH STAINLESS STEEL 1/4" X 3/8" HH BOLTS WITH 1/4" STAINLESS STEEL LOCK NUTS



2  
S-6.1

VENT SIZE BARS & CENTER SUPPTS

THE BASICS ON  
TRIMMING OUT A  
SIDE/END VENT



3  
S-6

ALUMINUM TRIM FOR SW VENT

PAGE

S-6.0

VENT  
ASSEMBLY  
DETAILS

4th DIMENSION DESIGN, INC.

817 Venture Court  
Waukegan, WI 53189  
PHONE: (262) 884-6500  
FAX: (262) 884-6505  
www.4dco.com

PROJECT:

PROJECT "B"  
2025

CUSTOMER:

LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA SOUTH  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

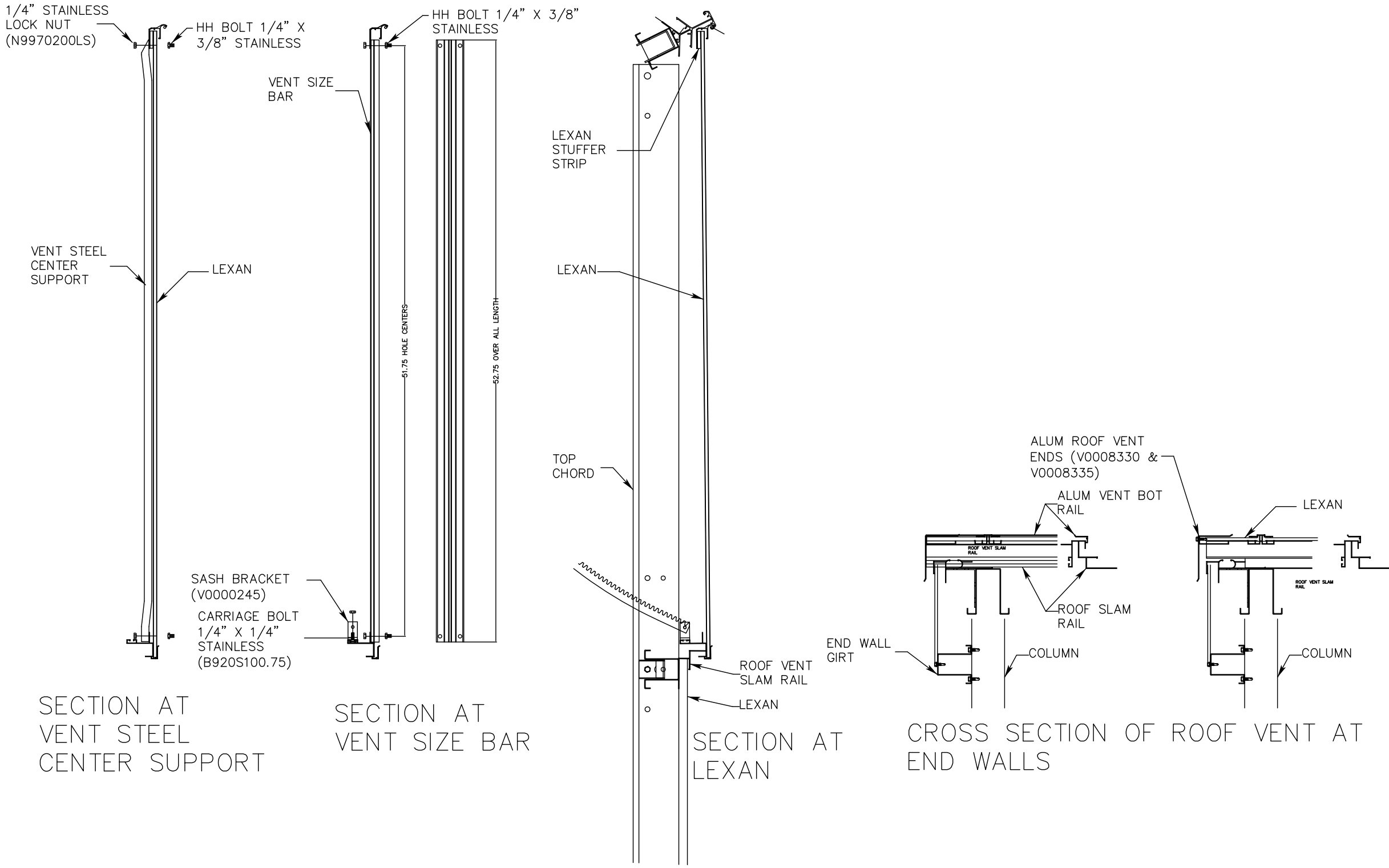
DRAWING TITLE:

(1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

REV. DATE DESCRIPTION

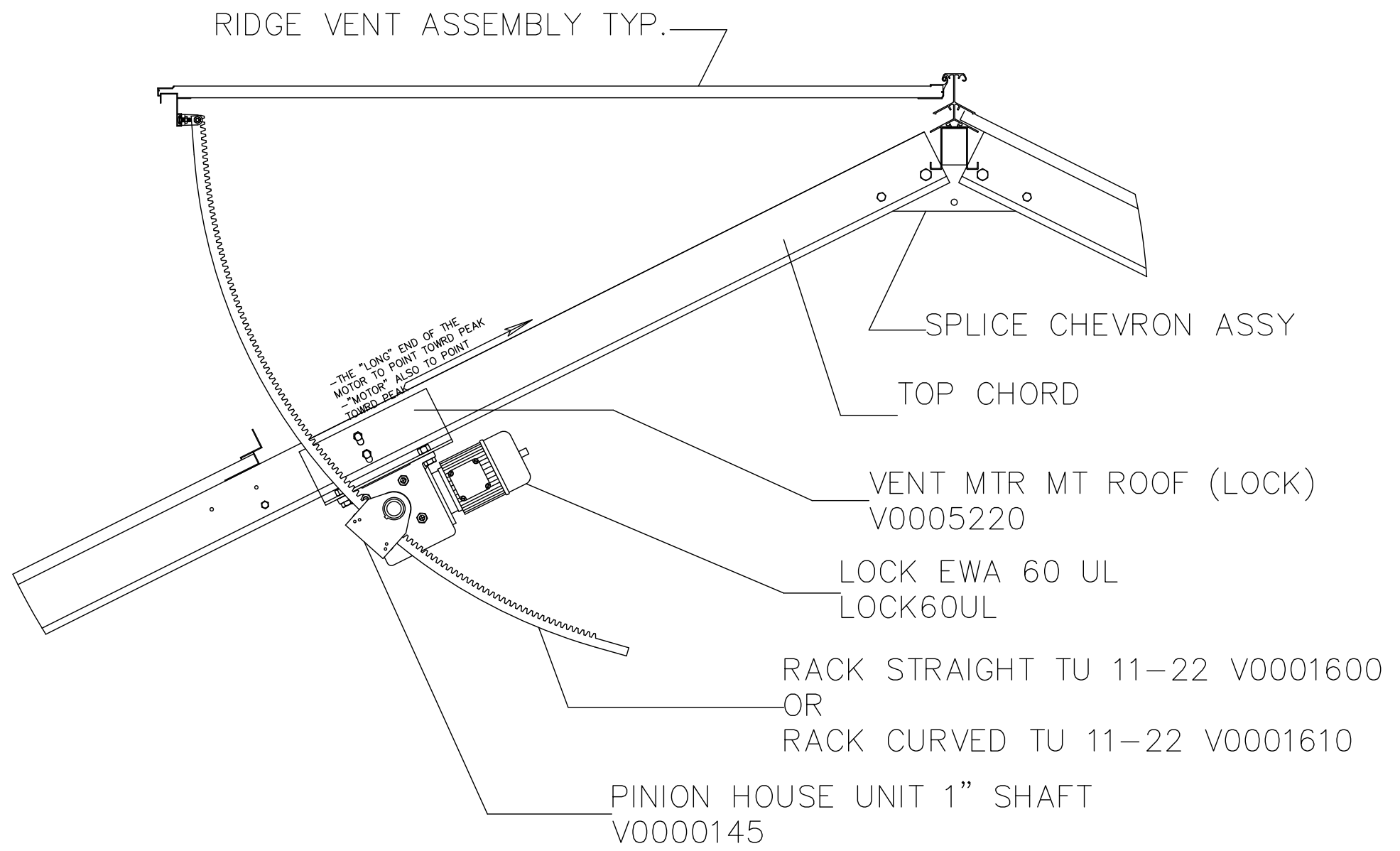
UNITED GREENHOUSE  
18575 WISCONSIN DRIVE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137

CROSS SECTION ROOF OF VENT



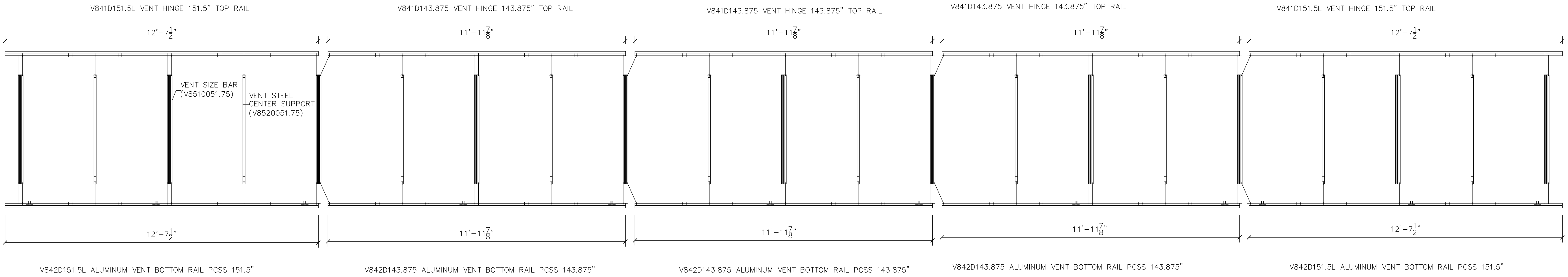
ROOF VENT SECTION

2  
S-6.1



ROOF VENT SECTION AT MOTOR

3  
S-6.1



60' ROOF VENT

1  
S-6.1

PAGE

S-6.1

60' ROOF VENT

ASSEMBLY

DETAILS

4th DIMENSION DESIGN, INC.

817 Venture Court

Waukegan, WI 53189

PHONE: (822) 884-6500

FAX: (822) 884-6505

www.4d.com

PROJECT:

PROJECT "B"

2025

CUSTOMER:

LA CROSSE CENTRAL HIGH SCHOOL

JOE LEDVINA, SOUTH

807 EAST AVENUE SOUTH

LA CROSSE, WI 54601

DRAWING BY:

DTC

DRAWING TITLE:

(1) 41'-6" X 60'-0"

AMBASSADOR CROWN

GREENHOUSE STRUCTURES

DATE:

2/6/2025

REV	DATE	DESCRIPTION

UNITED GREENHOUSE

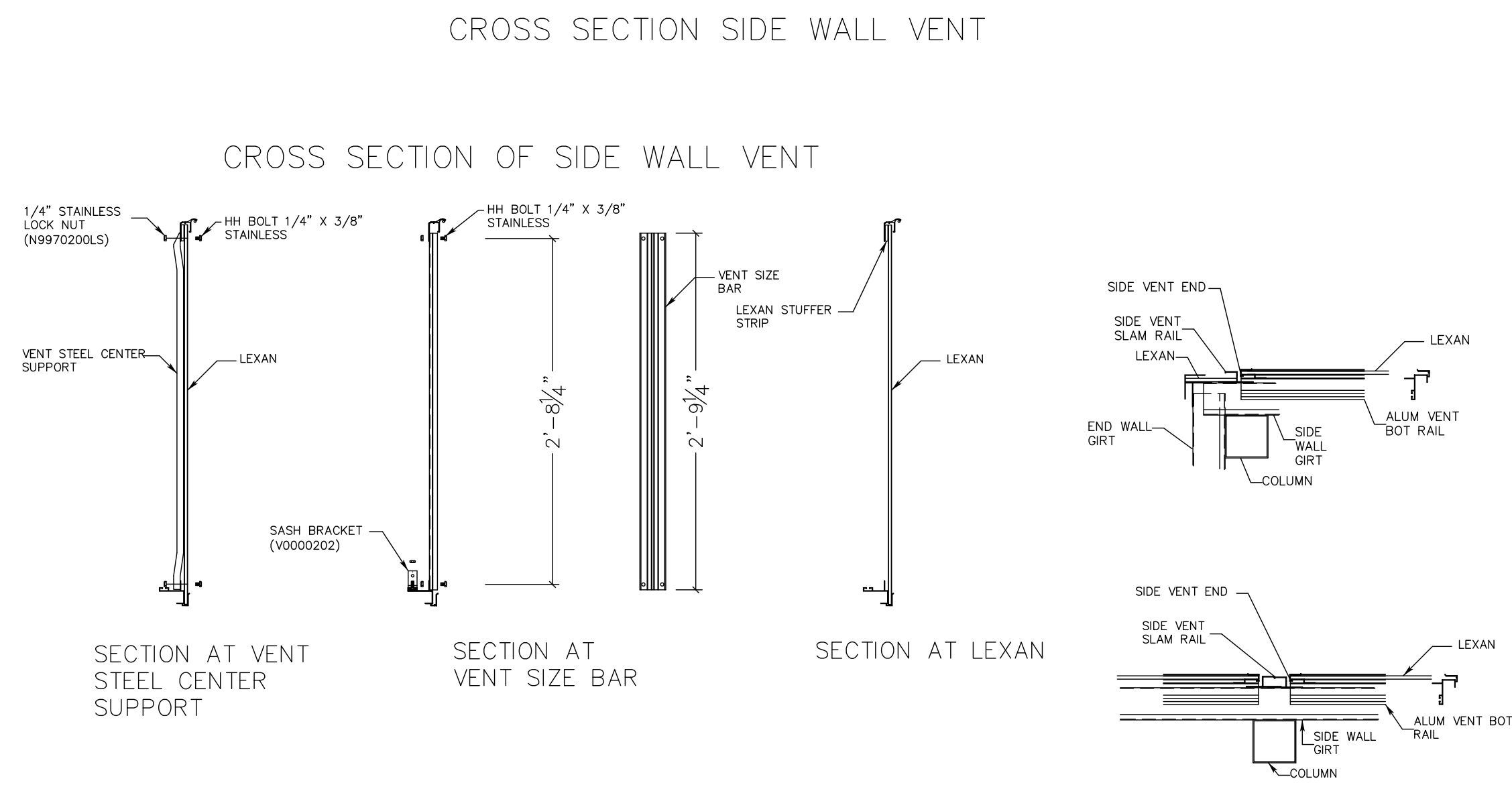
18575 FARM CIRCLE

EDGEMONT, WI 53534

PHONE: 1-800-433-6834

1-608-884-8941

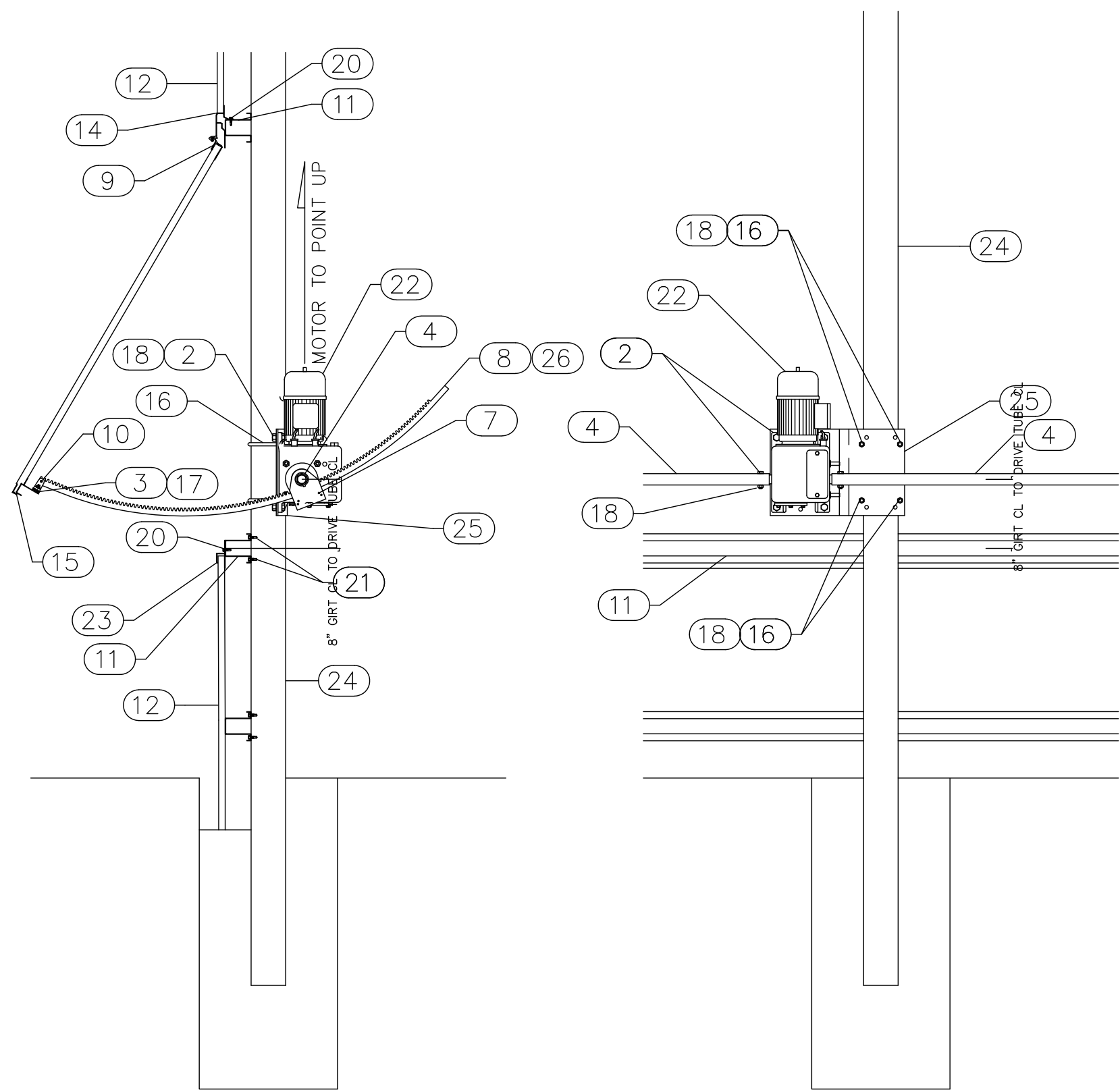
FAX: 1-608-884-6137



SIDE VENT SECTION

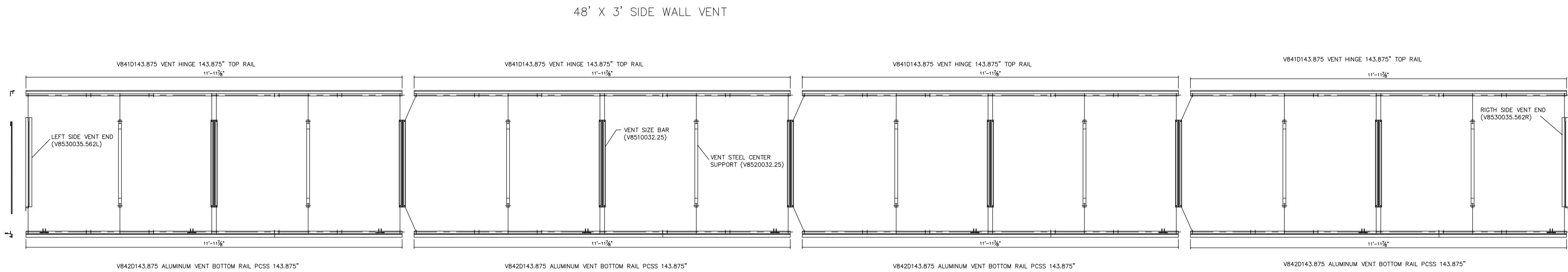
2  
S-6.2

PART NO.	DESCRIPTION
1	NA
2	B9022301.75 HH BOLT 3/8" X 1-3/4"
3	B920S100.75 CARRAIGE BOLT 1/4" X 3/4"
4	C6014288 1.315 X 288" X 14GA. [DRIVE TUBE]
5	S9970048 SCREW TEK HH NW #14 X 3/4"
6	S9970057 SCREW TEK HH NW #12 X 3/4"
7	V0000145 PINION HOUSE UNIT
8	V0001610 RACK CURVED TU 11-22 OR ITEM #26
9	V8410143.875 VENT TOP HINGE 143.875"
10	V0000245 WINDOW CONNECTOR ASSEMBLY
11	G0950_____ GIRT 9-1/2 X _____ X 16GA. [TYP.]
12	LEX86_____ LEXAN 8MM PCSS
13	GCR141_____ GUTTER CR 14GA.
14	A8780144[151] ALUM HANG RAIL 144" [151"]
15	V8420143.875 ALUM VENT BOTTOM RAIL PCSS
16	B313Z4X4.625 SQUARE U-BOLT 3/8" X 4" X 4.625"
17	N910S001 1/4" LOCK NUT
18	N902Z003 3/8" NUT
19	NA
20	NA
21	NA
22	LOCK62 / LOCK60 LOCK EWA 62 OR LOCK EWA 60
23	A8750288 SIDE/END VENT SLAM
24	C8312_____ COL TUBE 4" SQ X _____ X 13GA.
25	V0005230 SIDE DRIVE MT.
26	V0001600 RACK STRAIGHT TU 11-22 OR ITEM #8



SIDE VENT SECTION AT MOTOR

3  
S-6.2



PAGE  
S-6.2  
48' SIDE VENT ASSEMBLY

4th DIMENSION DESIGN, INC.  
817 Veneta Court  
Wausau, WI 53189  
PHONE: (715) 894-6500  
FAX: (715) 894-6505  
www.4DD.com

PROJECT:   
PROJECT "B"  
2025

CUSTOMER:   
LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA, SOUTH  
807 EAST AVENUE  
LA CROSSE, WI 54601

DRAWING BY:   
DTC

DRAWING TITLE:   
(1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE:   
2/6/2025

REV. DATE DESCRIPTION

UNITED GREENHOUSE  
1857 WISCONSIN DRIVE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137

PAGE

S-7.0

FRAMED  
OPENING  
DETAILS

4th DIMENSION DESIGN, INC.

817 Ventura Court  
Waukegan, WI 53189  
PHONE: (262) 884-6500  
FAX: (262) 884-6505  
www.4dco.com

PROJECT:

PROJECT "B"

2025

CUSTOMER:

LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA, SOUTH  
807 EAST AVENUE, SOUTH  
LA CROSSE, WI 54601

DRAWING BY:

DTC

DRAWING TITLE:

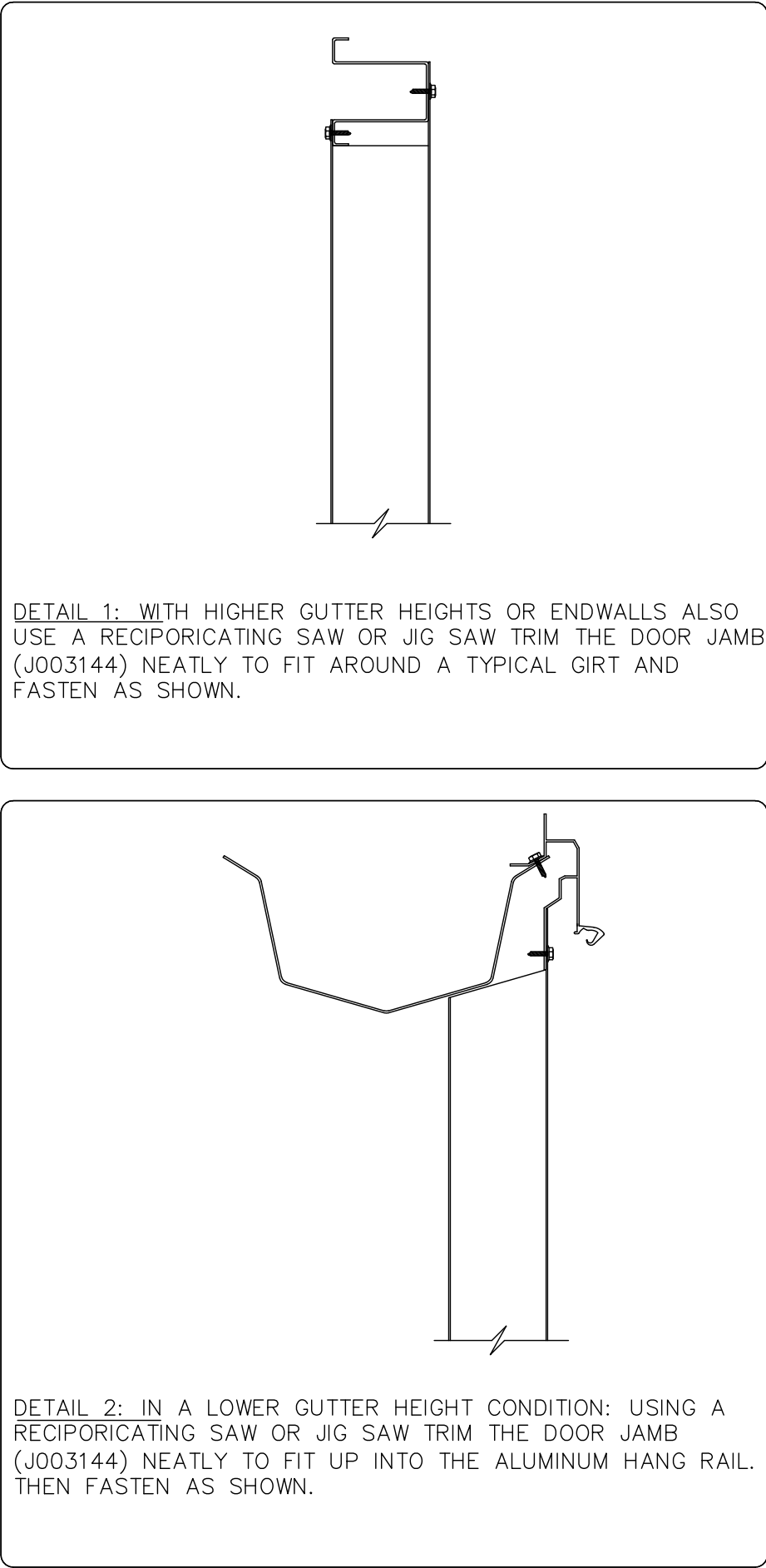
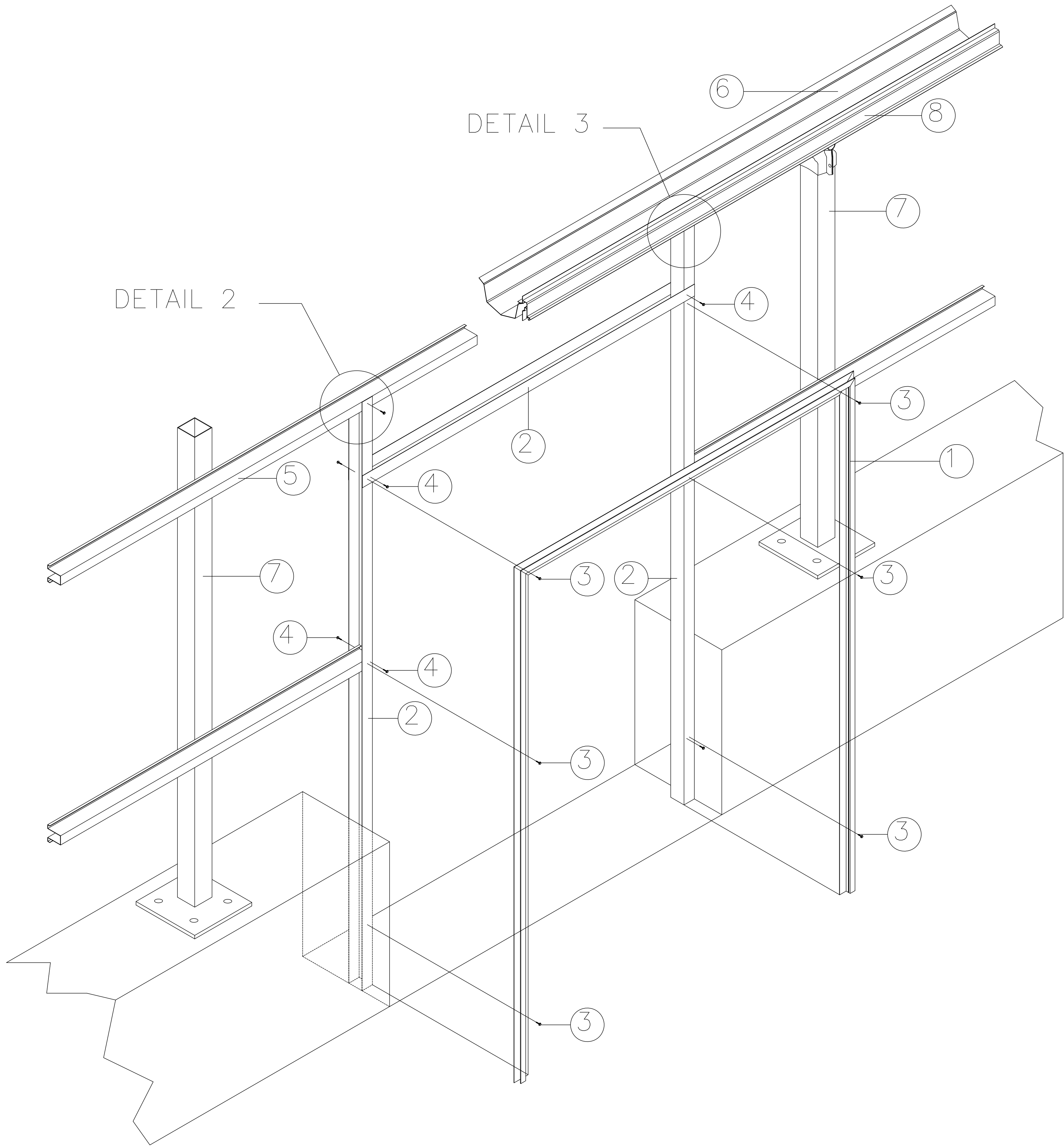
(1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE:

2 / 6 / 2025

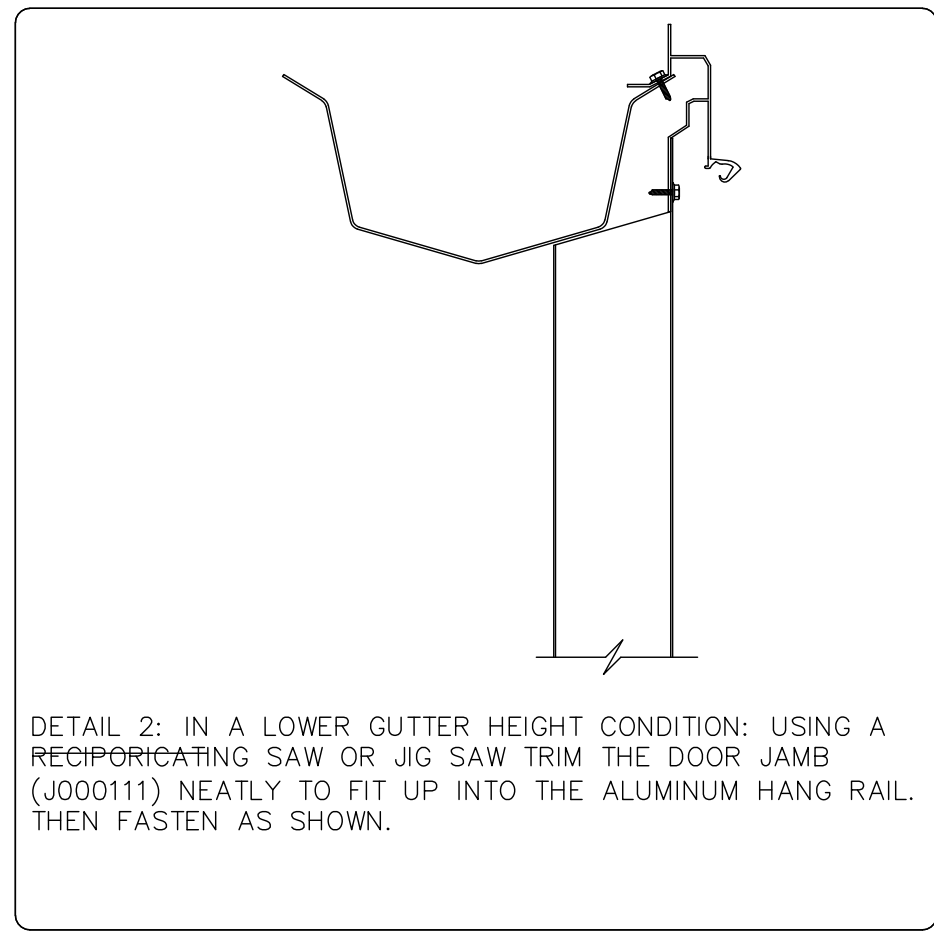
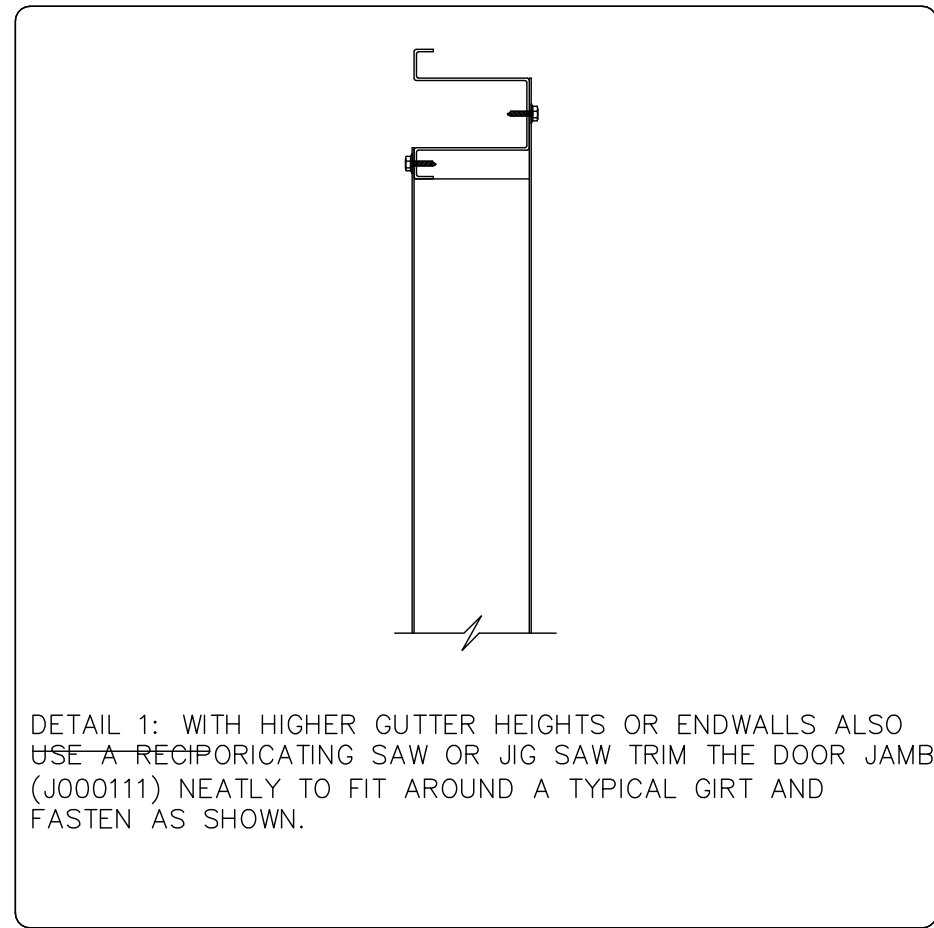
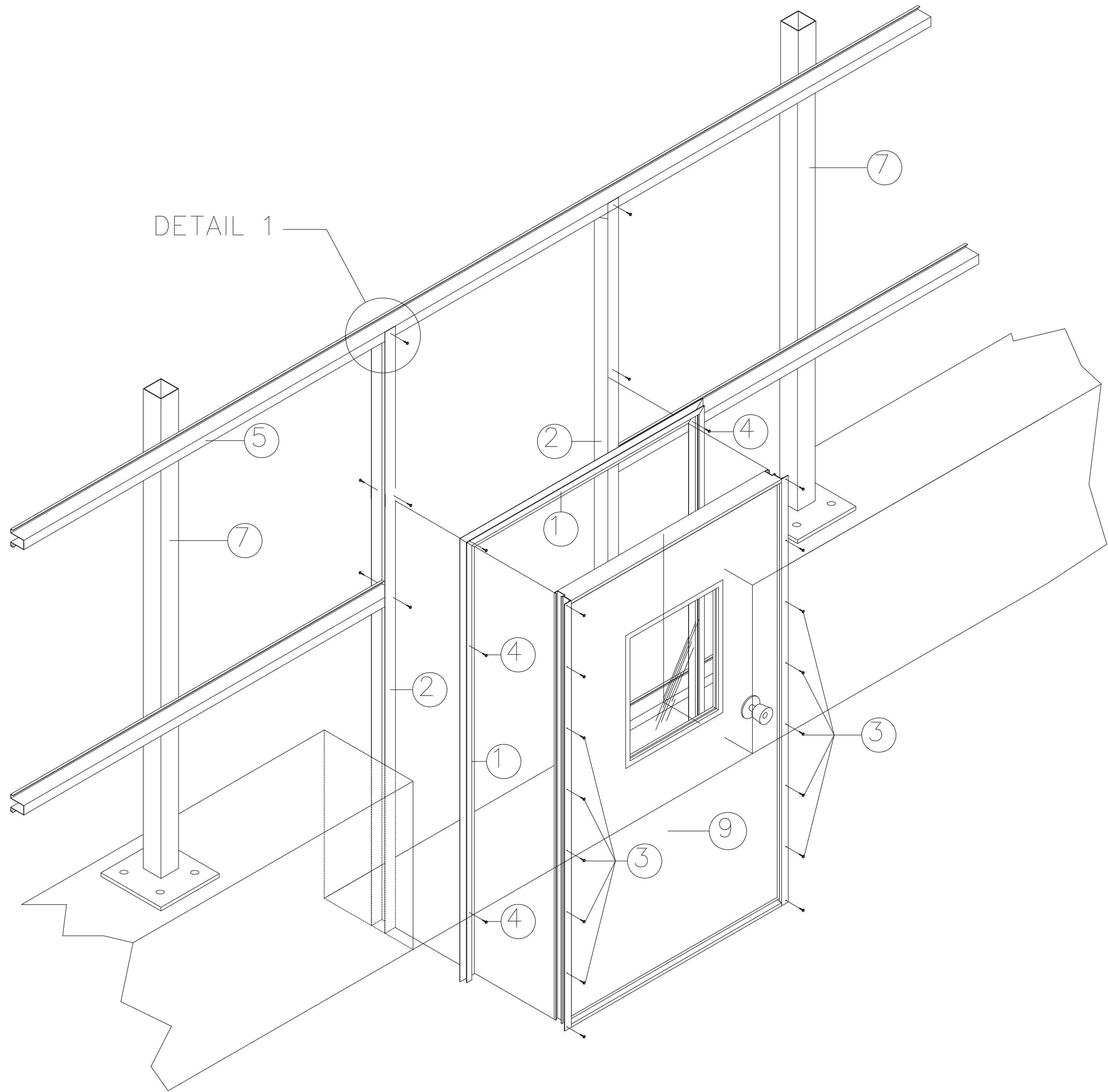
REV	DATE	DESCRIPTION

UNITED GREENHOUSE  
SYSTEMS, INC.  
18571 FARM CIRCLE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137



PART DESCRIPTION		PART NUMBER
1	SIDE VENT SLAM RAIL	A8750288
2	JAMB FOR SLIDING DOOR 12'	J003144
3	TEK SCREW #10 X 3/4" NW	S9970010
4	TEK SCREW #14 X 3/4" NW	S9970048
5	TYP. GIRT (3" HAT SECTION X 16GA.)	G0950____ (SIZES VARY)
6	TYP. GUTTER 14GA.	GCR141____ (SIZES VARY)
7	4" SQ. COLUMN X 13GA.	C9413168 (SIZES VARY)
8	TYP. ALUMINUM HANG RAIL	A9970____
9	PLYCO DOUBLE SWING DOOR	DS0____





	PART DESCRIPTION	PART NUMBER
1	SIDE VENT SLAM RAIL	A8750288
2	JAMB FOR SLIDING DOOR 12'	J0030144
3	TEK SCREW #10 X 3/4" NW	S9970010
4	TEK SCREW #14 X 3/4" NW	S9970048
5	TYP. GIRT (3" HAT SECTION X 16GA.)	G0950____ (SIZES VARY)
6	TYP. GUTTER 14GA.	GCR141____ (SIZES VARY)
7	4" SQ. COLUMN X 13GA.	C9413168 (SIZES VARY)
8	TYP. ALUMINUM HANG RAIL	A9970____
9	PLYCO DOUBLE SWING DOOR	DS0_____

PAGE

S-7.2

PLYCO SINGLE DOOR DETAILS

4th DIMENSION DESIGN, INC.

817 Venture Court  
Waukegan, WI 53189  
PHONE: (262) 984-6500  
FAX: (262) 984-6505  
www.4dco.com

PROJECT:

PROJECT "B"

2025

CUSTOMER:

LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA, SOUTH  
807 EAST AVENUE, SOUTH  
LA CROSSE, WI 54601

DRAWING BY:

DTC

DRAWING TITLE:

(1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE:

2 / 6 / 2025

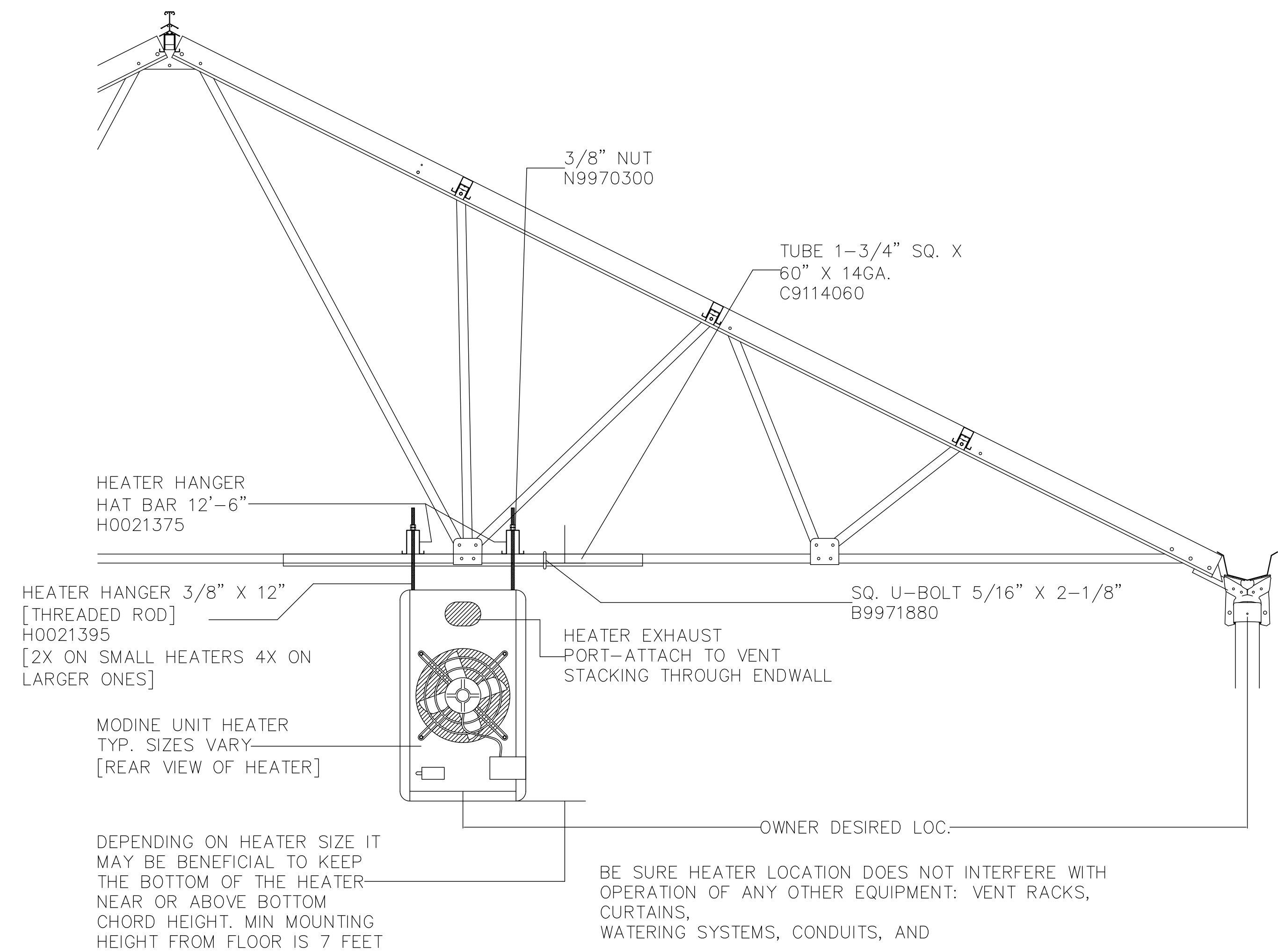
REV	DATE	DESCRIPTION

UNITED GREENHOUSE

5857 FARM CIRCLE  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137

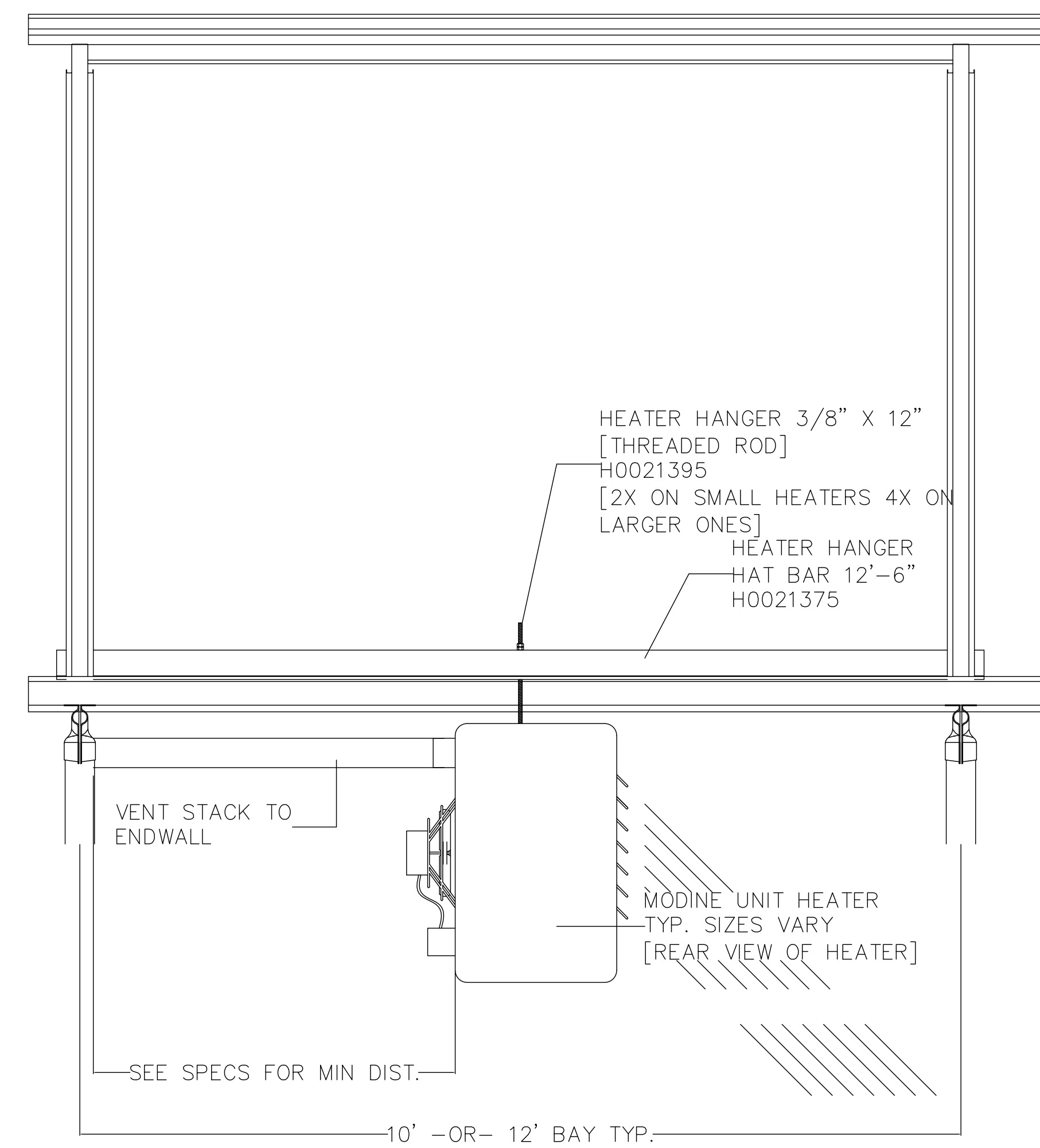


SCALE 1



1  
S-9.0

HEATER HANGER END VIEW



2  
S-9.0

HEATER HANGER SIDE VIEW

PAGE

S-9.0

HEATER  
HANGING  
DETAILS

4th DIMENSION DESIGN, INC.  
817 Venture Court  
Waukegan, WI 53189  
PHONE: (262) 984-6500  
FAX: (262) 984-6505  
www.4dco.com

PROJECT:  "B"  
PROJECT 2025

CUSTOMER:  LA CROSSE CENTRAL HIGH SCHOOL  
JOE LEDVINA SOUTH  
807 EAST AVENUE SOUTH  
LA CROSSE, WI 54601

DRAWING BY:  DTC

DRAWING TITLE:  (1) 41'-6" X 60'-0"  
AMBASSADOR CROWN  
GREENHOUSE STRUCTURES

DATE:  2/6/2025

REV	DATE	DESCRIPTION

UNITED GREENHOUSE  
STRUCTURES, INC.  
1857 FARM ROAD  
EDGEMONT, WI 53534  
PHONE: 1-800-433-6834  
FAX: 1-608-884-6137