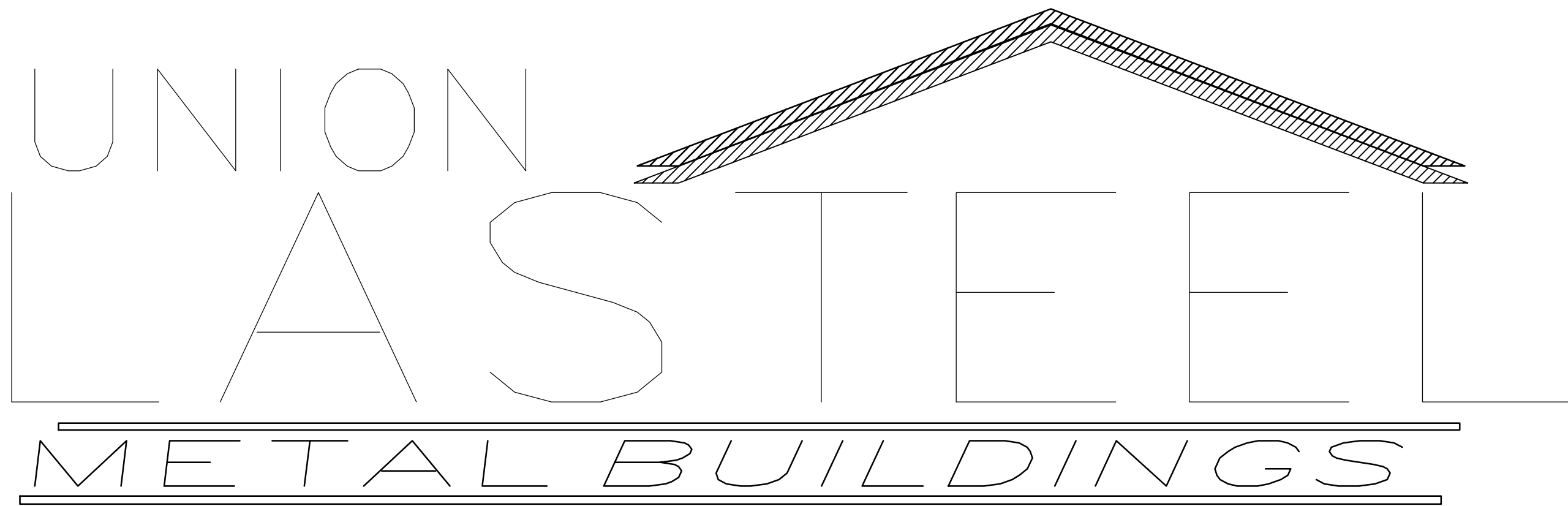




PO BOX 537 Lake Bulter, FL 32054
(386) 496-0681 (386) 496-4705 (fax)

BUILDING LOADS / DESCRIPTION:

WIDTH: 71.25 LENGTH: 93.33 HEIGHT: 18 /18
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED
AND APPLIED AS REQUIRED BY : FBC 23 .

THE CONTRACTOR IS TO CONFIRM THAT THESE LOADS COMPLY
WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD:	2.00	PSF (ROOF PANELS & PURLINS)		
COLLATERAL LOAD:	1.00	PSF	SNOW EXPOSURE:	1.0000
ROOF LIVE LOAD:	20.00	PSF	WIND EXPOSURE:	B
ROOF SNOW LOAD:	0.00	PSF	INTERNAL PRESSURE COEFF.:	
GROUND SNOW LOAD:	0	PSF	0.18 / -0.18	
BASIC WIND SPEED:	120	MPH	SPECTRAL RESPONSE COEFF.	MAPPED SPECTRAL RESPONSE ACC.
SEISMIC ZONE:	B		Sds	0.09 Ss 0.09
THERMAL FACTOR:	1.00		Sd1	0.08 St 0.05
IMPORTANCE FACTORS:			DESIGN BASE SHEAR, V:	
WIND LOAD	1.00		EXPANDED FORMULA	0.667*Ie*Fa*Ss*W/R
SNOW LOAD	1.0000		LONGITUDINAL	2.37
SEISMIC LOAD	1.00		TRANSVERSE	1.60

SITE CLASS: d
OCCUPANCY CATEGORY: II - Normal
SEISMIC DESIGN CATEGORY: B



SECTION LIMITS:

EW COL:	180
EW RAF LIVE:	180
EW RAF WIND:	180
WALL GIRT:	90
PURL LIVE:	180
PURL WIND:	150
WALL PANEL:	60
ROOF PANEL LIVE:	60
ROOF PANEL WIND:	60
RF HORIZONTAL:	60
RF VERTICAL:	180
WIND BENT:	60
RF CRANE:	60
RF SEIS:	50
WIND BENT SEIS:	50

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT
PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY
GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND
DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN
AGREEMENT THAT THE METAL BUILDING SYSTEM MANUFACTURER OR ITS DESIGN ENGINEER IS
ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION
PROJECT.

THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE
APPROPRIATE AGENCY AS REQUIRED. APPROVAL OF THE METAL BUILDING SYSTEM
MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE METAL BUILDING
SYSTEM MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE
CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD
PRACTICES, 9TH ED.) WHERE DISCREPANCIES EXIST BETWEEN THE METAL BUILDING SYSTEM
MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE
STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE
9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT
FURNISHED BY THE METAL BUILDING SYSTEM MANUFACTURER ARE THE RESPONSIBILITY OF
THE CONTRACTORS AND ENGINEERS OTHER THAN THE METAL BUILDING SYSTEM
MANUFACTURER'S ENGINEER UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK
IN COMPLIANCE WITH THE METAL BUILDING SYSTEM MANUFACTURER "FOR CONSTRUCTION"
DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY THE METAL BUILDING SYSTEM MANUFACTURER
FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A
PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR
OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND
FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE
THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS
COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING
FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING
FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH
UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION, OR COLLISION. (SECT. 7.9.1
AISC CODE OF STANDARD PRACTICE, 9TH ED.)

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION
WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON
THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME
STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO
GALVALUME SHOULD BE AVOIDED.

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS
APPROVAL DRAWINGS: IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS BE MADE
IN CONTRASTING INK (PREFERABLY RED INK). HAVE ALL INSTANCES OF CHANGE CLEARLY
INDICATED, AND BE LEGIBLE AND UNAMBIGUOUS. A SIGNATURE AND DATE IS REQUIRED ON
ALL PAGES. MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE
OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE
DELIVERY SCHEDULE. APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE
METAL BUILDING SYSTEM MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT
REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN WITH
INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY
MANUFACTURER. ANY CHANGES NOTED ON THHE DRAWINGS NOT IN COMFORMANCE WITH THE
TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER
ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED
AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION.
MANUFACTURER RECONGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING
APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED.
HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL
TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILIAR INDICATIOIN
OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS
BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS
UNACCEPTABLE ALTERNATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE
CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS
CUSTOMER.

IMPORTANT NOTE: FINAL DETAILING, FABRICATION, AND DELIVERY DATE OF THIS PROJECT
CANNOT BE COMPLETED UNTIL THE SIGNED APPROVALS ARE RETURNED TO THE METAL
BUILDING MANUFACTURER.

SHEET 1 OF 21

1291 SE Baya Drive
Lake City, Fl. 32025

△		
△		
△		
△		
△	07/02/24	FOR PERMIT
REV.	DATE	REVISION

PURCHASER: Wilson Containers

PROJECT: Warehouse

JOB NUMBER: WilsonContainers71x94

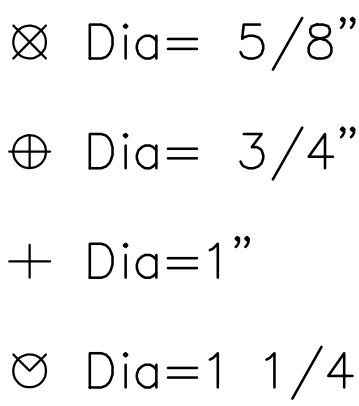
GENERAL NOTES:

- 1) MATERIALS : MINIMUM YIELD:
- | | |
|------------------------|-----------------------|
| HOT ROLLED BAR | Fy = 50.0000 ksi MIN. |
| STRUCTURAL STEEL SHEET | Fy = 55.0000 ksi MIN. |
| STRUCTURAL STEEL PLATE | Fy = 50.0000 ksi MIN. |
| COLD FORMED SHAPES | Fy = 57.0000 ksi MIN. |
| WALL SHEETING | Fy = 60.0000 ksi MIN. |
| ROOF SHEETING | Fy = 60.0000 ksi MIN. |
| BOLTS | A307 & A325 |
- THE METAL BUILDING MANUFACTURER RESERVES THE RIGHT TO
SUBSTITUTE THE ABOVE MATERIALS WITH EQUAL OR BETTER MATERIAL.

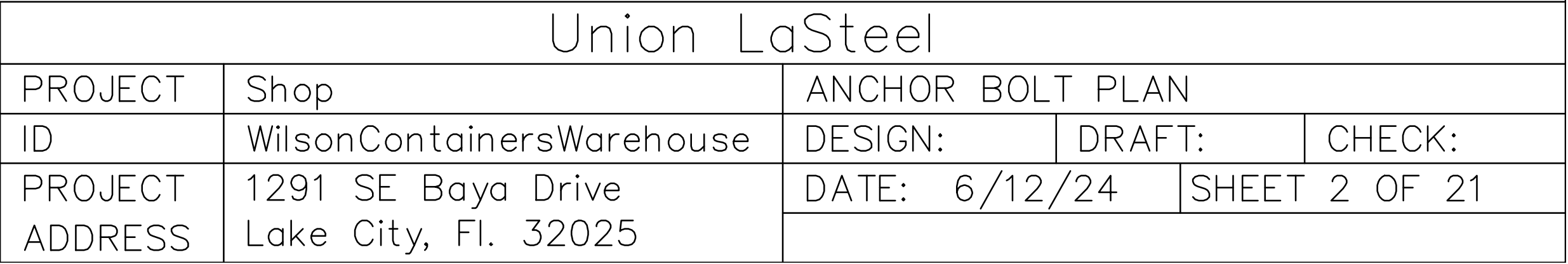
- 2) BOLT TIGHTENING REQUIREMENTS:
- ALL HIGH STRENGTH BOLTS ARE A325 UNLESS NOTED OTHERWISE.
HIGH STRENGTH BOLTS SHALL BE TIGHTENED BY THE TURN OF THE NUT METHOD
IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR
STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". A325 BOLTS SHALL BE
INSTALLED WITH OUT WASHERS WHEN TIGHTENED BY THE "TURN OF THE NUT"
METHOD. ALL BOLTED CONNECTIONS, FOR SHEAR/BEARING CONNECTION TYPE
WITH BOLT THREADS EXCLUDED FROM THE SHEAR PLANE SHALL BE SNUG TIGHT
ONLY.

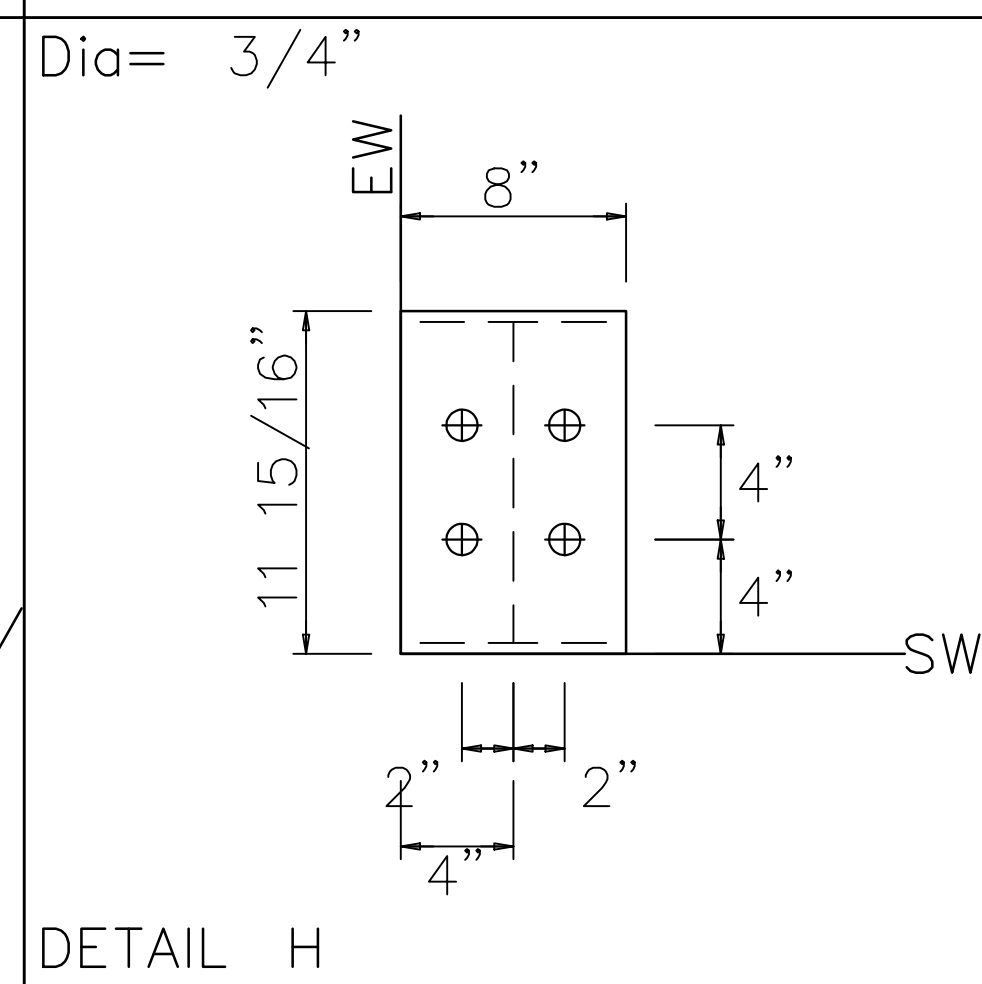
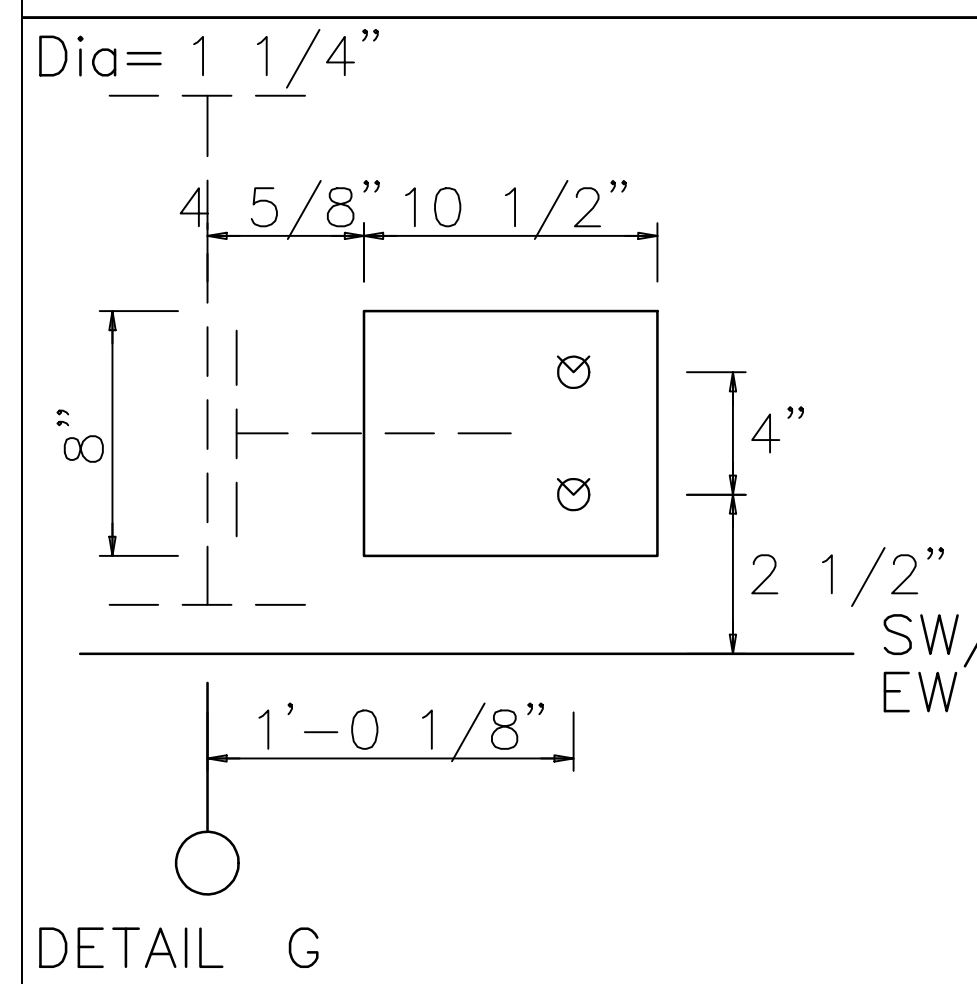
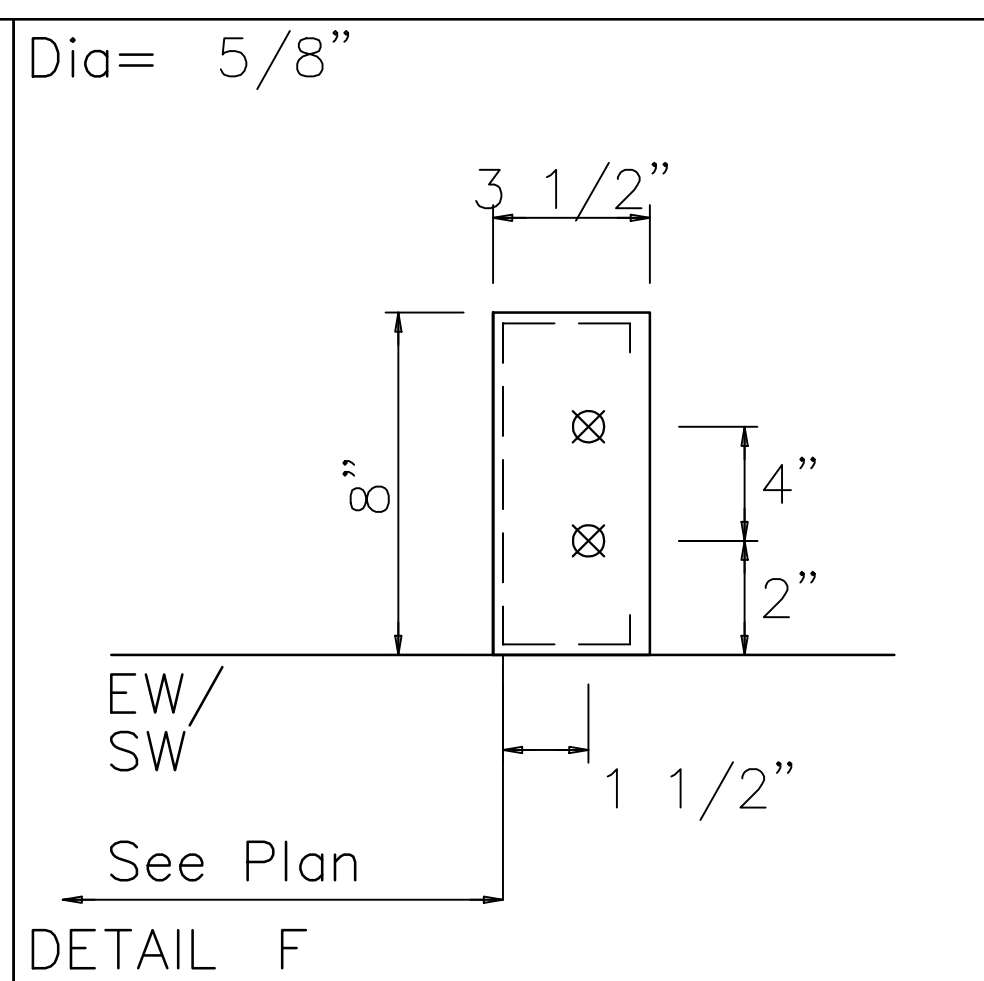
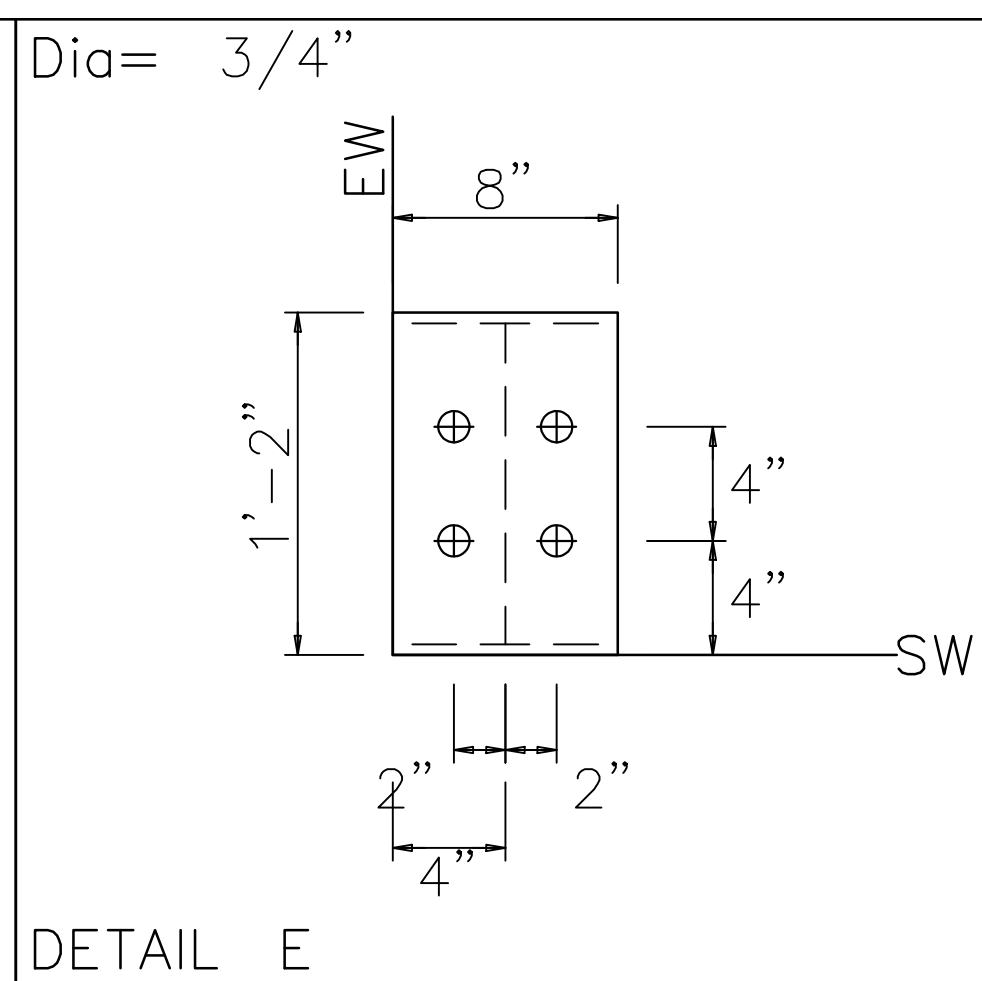
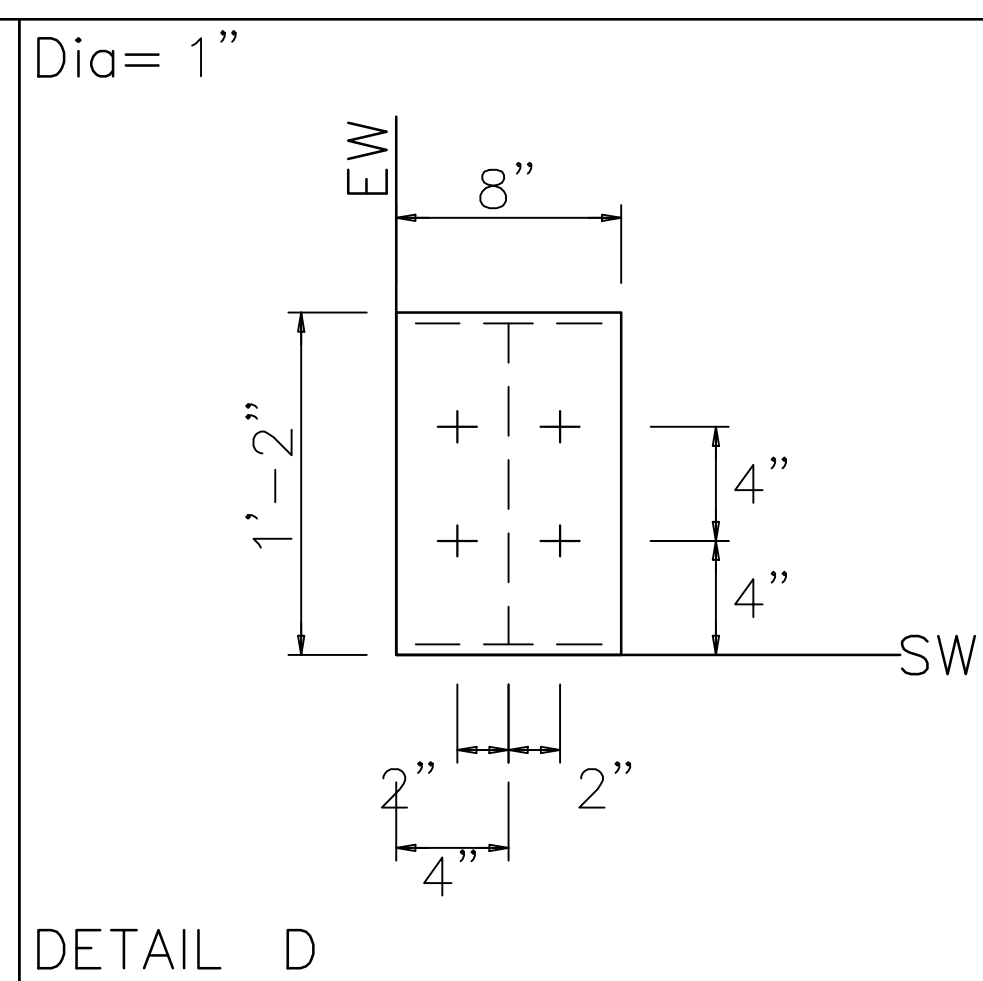
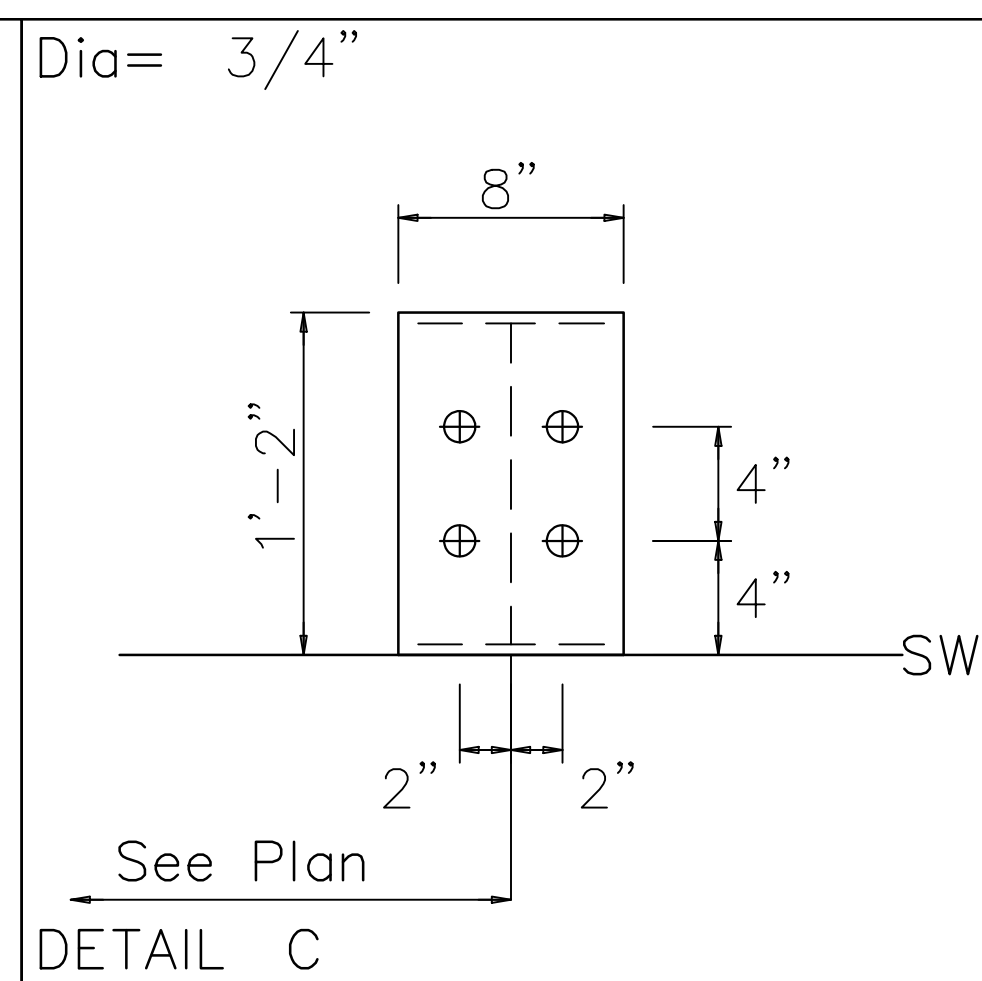
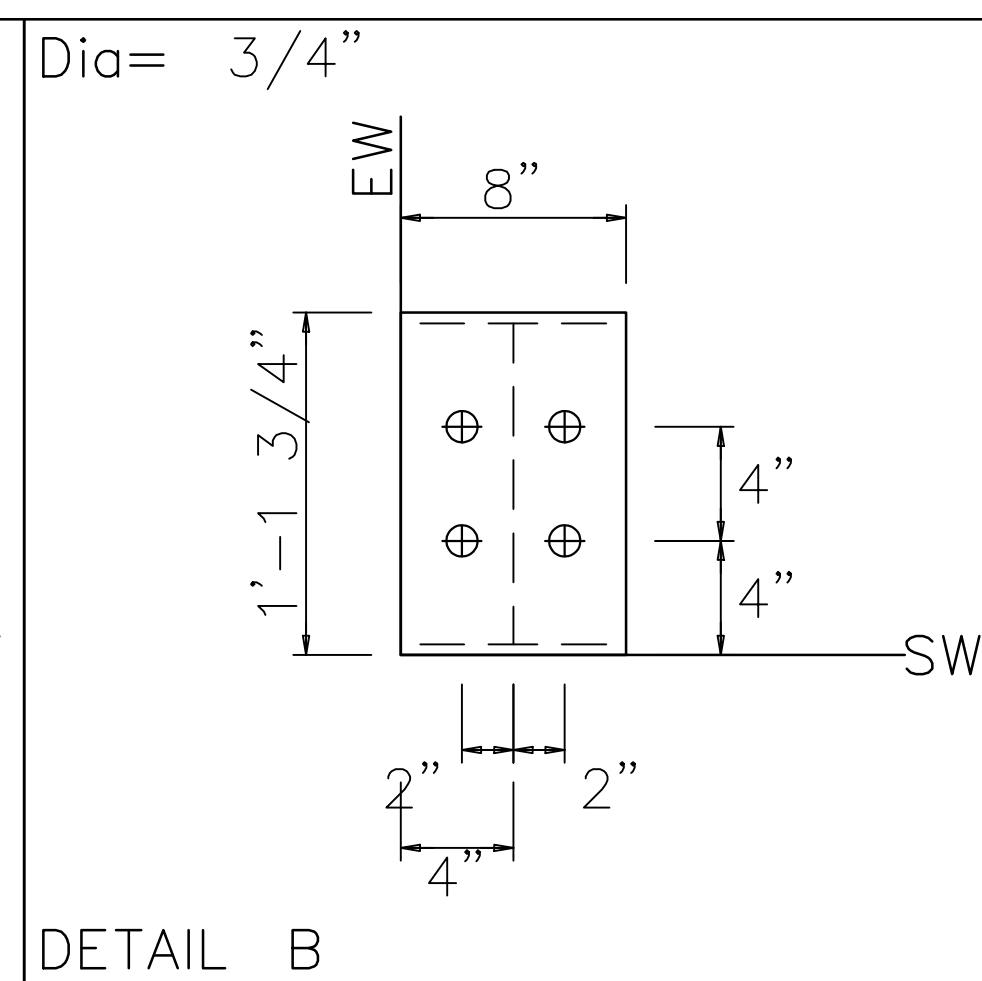
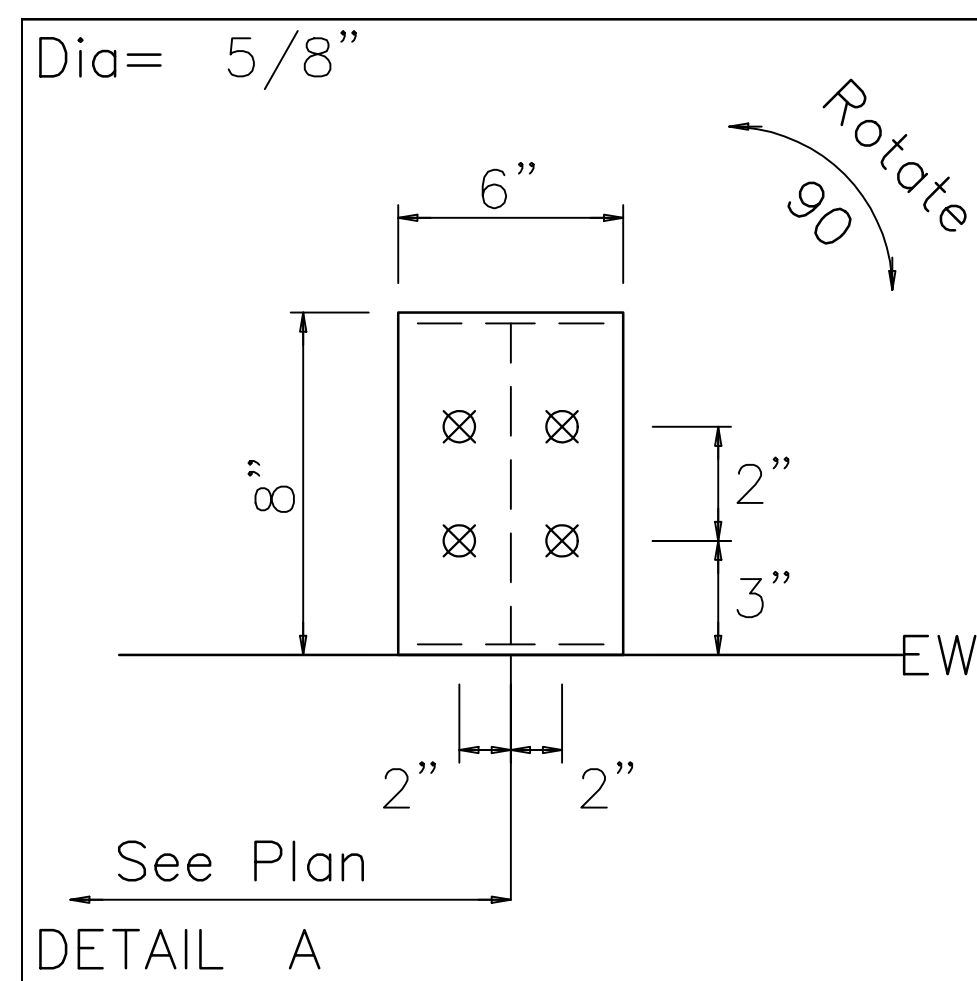
- 3) ALL STRUCTUAL STEEL TO RECEIVE A RUST INHIBITIVE PRIMER. THIS PAINT
IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.





TRACY S MITCHELL
LICENSE
No 79115
Tracy S Mitchell
7-2-24
STATE OF
FLORIDA
PROFESSIONAL ENGINEER





GENERAL NOTES

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF ABC METAL BUILDINGS.
2. THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
3. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLLERANCE OF $\pm 1/8"$ IN BOTH ELEVATION AND LOCATION.
4. COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1125 POUNDS PER SQUARE INCH.



Union LaSteel				
PROJECT	Shop	ANCHOR BOLT DETAILS		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT	1291 SE Baya Drive	DATE: 6/12/24		SHEET 3 OF 21
ADDRESS	Lake City, FL 32025			



A H

Diagram of a beam with a triangular load. The beam has a total length of 10.9m, with a support at the left end (labeled (3)) and a support at the right end (labeled (6)). A triangular load is applied, with a maximum intensity of 7.5 kN/m at the left end and zero at the right end. The reaction at the right support is 1.8 kN. The reaction at the left support is 58.0 kN.

A H

A H

Diagram of a frame structure with two columns and a beam. The left column is labeled (3) and the right column is labeled (4). Horizontal loads of 5.6 are applied to both columns, pointing outwards. Vertical loads of 7.7 are applied to the top of both columns, pointing downwards.

A H

A H

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	2								(h)
F_SW	H	6							(g)
R_EW	6								(h)
B_SW	A	3,2	5.7	5.2	2.1	1.9			

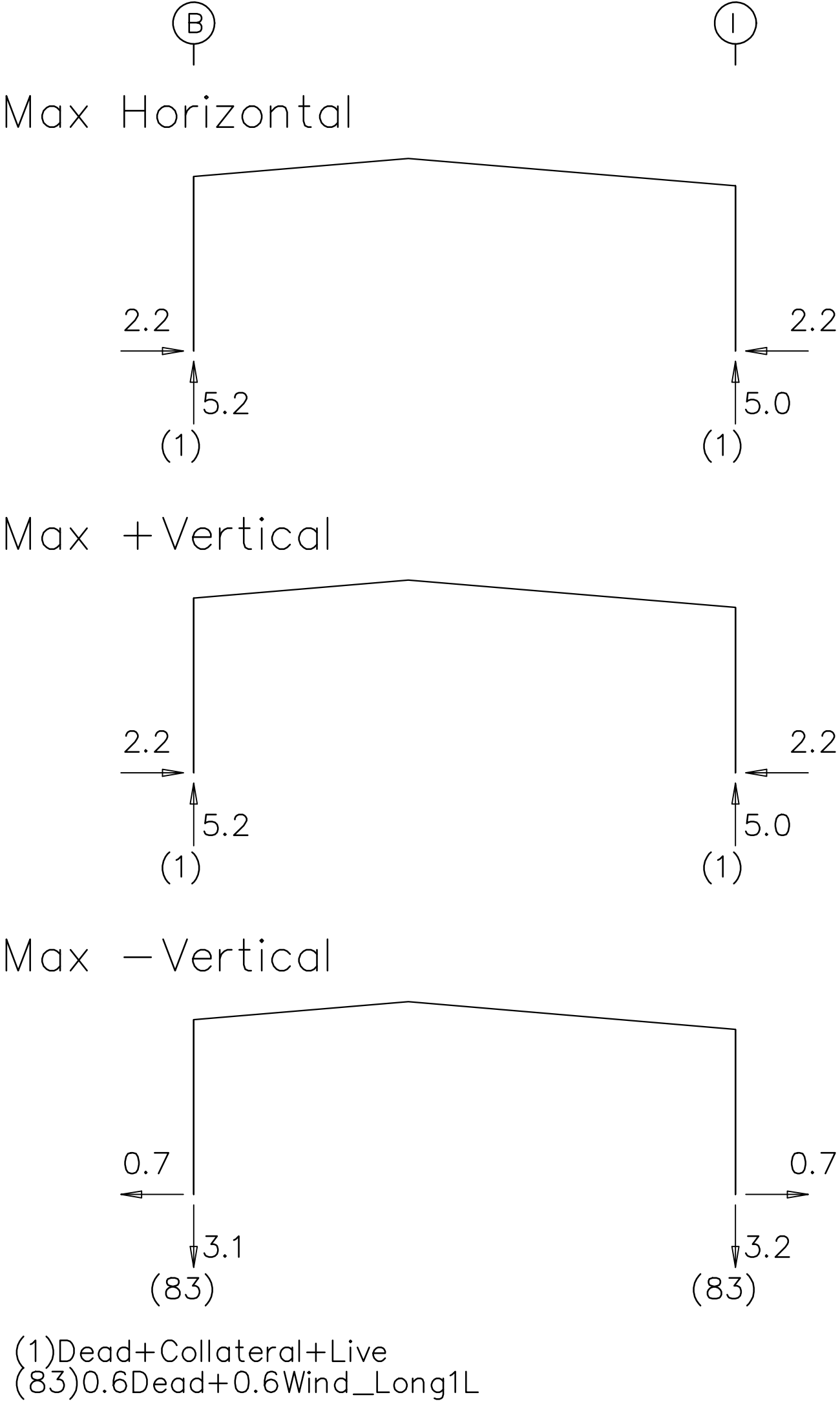
PROJECT	Shop	ANCHOR BOLT REACTIONS		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL 32025	DATE: 6/12/24	SHEET 4 OF 21	

BUILDING BRACING REACTIONS

—Wall—		Col	± Reactions(k)				Panel_Shear (lb/ft)		Note
Loc	Line	Line	Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	1								(h)
F_SW	1	Bracing	Not Used				0	0	
R_EW	2								(h)
B_SW	B	Bracing	Not Used				0	0	
(h)Rigid frame at endwall									
Reactions for seismic represent shear force, Eh									

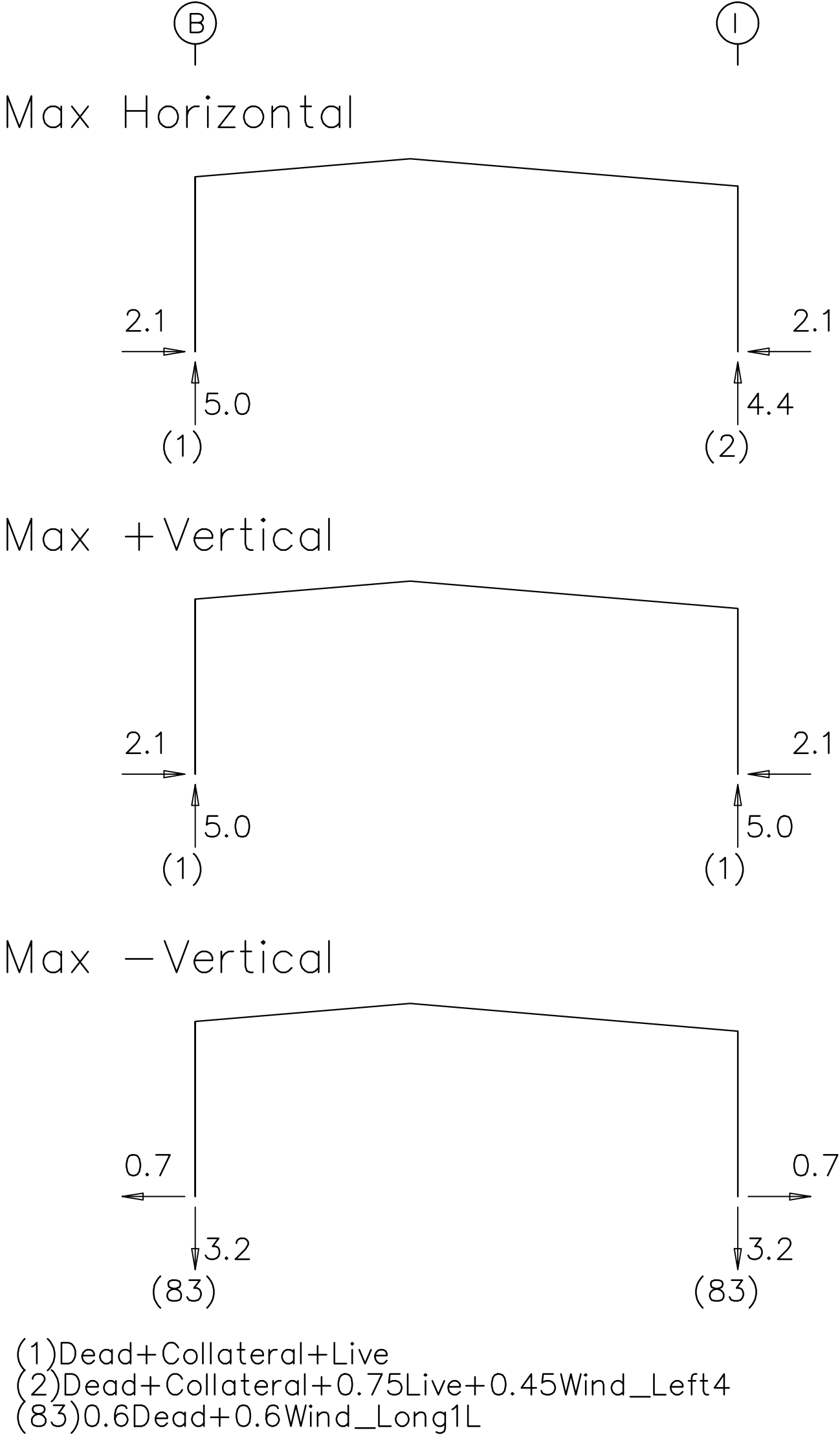
RIGID FRAME REACTIONS (k)

@ 2



RIGID FRAME REACTIONS (k)

@ 1



NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	59.0
Length (ft)	=	18.0
Eave Height (ft)	=	19.0/ 18.0
Roof Slope (rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	1.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	13.4
Wind Speed (mph)	=	120.0
Wind Code	=	FBC 23 (IBC 18)
Exposure	=	B
Closure	=	Enclosed
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Ss)	=	0.14

ENDWALL COLUMN REACTIONS(k)

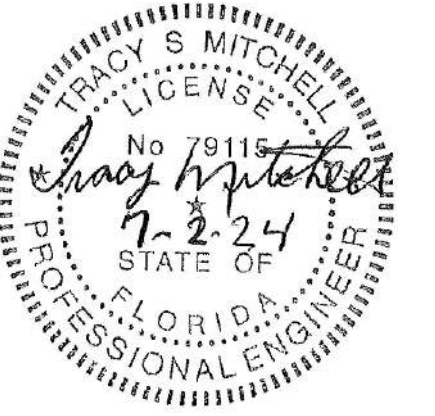
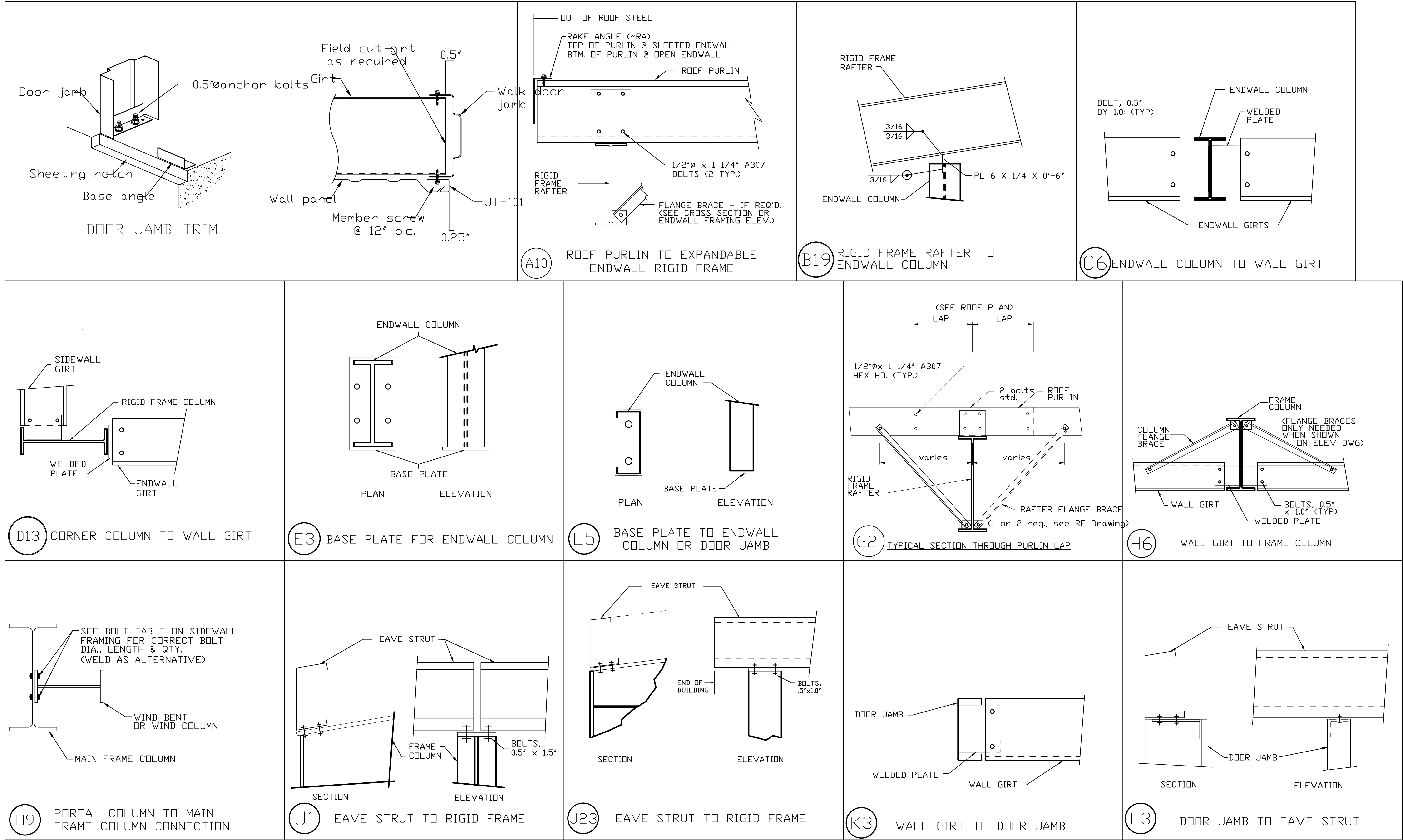
Frame Line	Col Line	Load			
1	D	Max Horz	=	2.0	Vert = 0.1 (6)
1	D	Max +Vert	=	0.2	Horz = 2.0 (8)
1	D	Max -Vert	=	0.0	Horz = 0.0 (a)
(a)Load combinations do not produce a max for this direction					
(6)0.6Dead+0.6Wind_Right2+0.6Wind_Suction					
(8)Dead+0.6Wind_Right2+0.6Wind_Suction					

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
⊗ 4	Jamb	5/8"	A307	3.00
⊗ 8	Endwall	5/8"	A307	3.00
⊕ 16	Frame	3/4"	A307	3.00



Union LaSteel				
PROJECT	Shop	ANCHOR BOLT REACTIONS		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 5 OF 21	



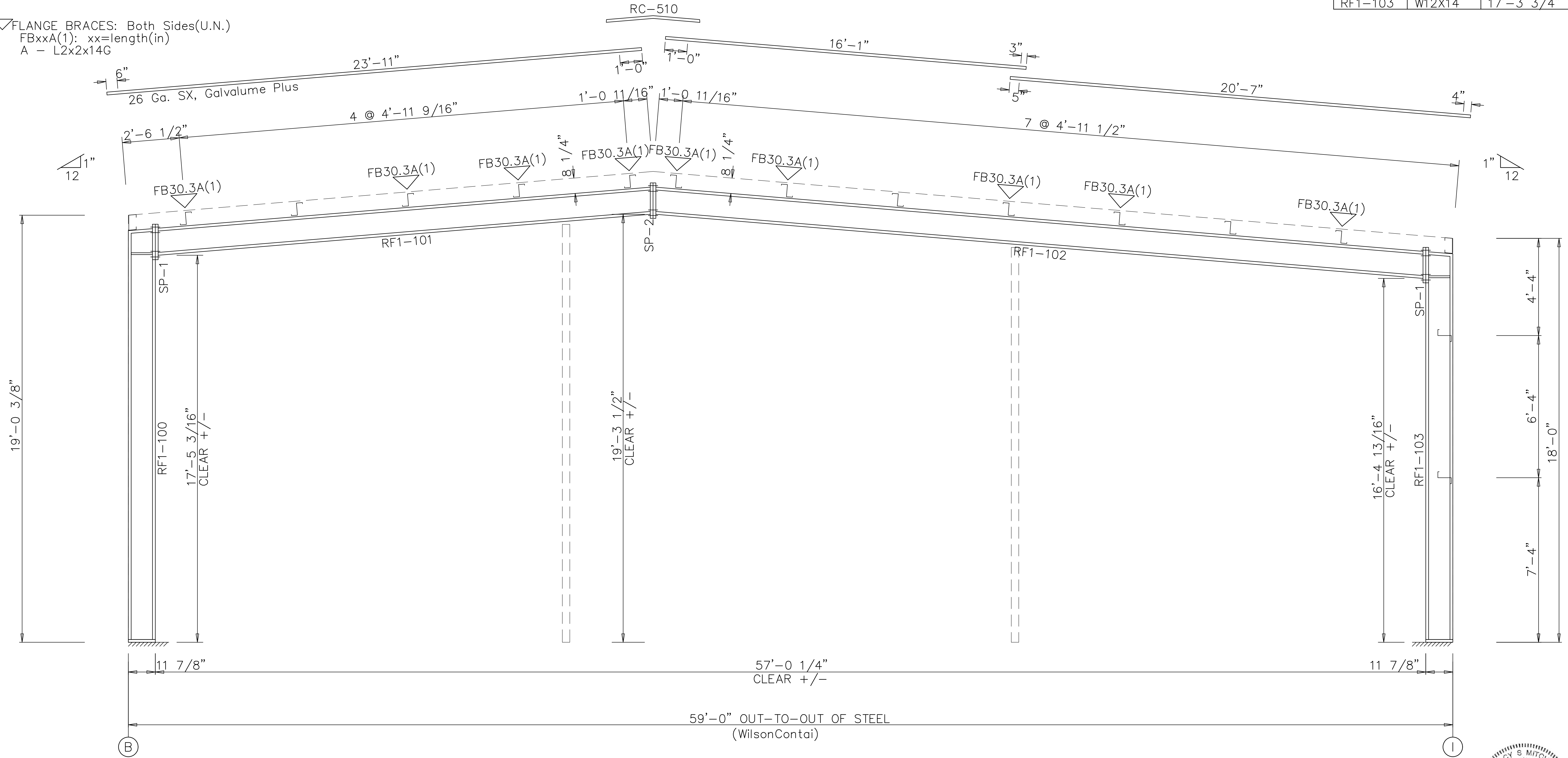
ASG LLC
AMERICAN STRUCTURAL GROUP
 CONSULTING STRUCTURAL ENGINEERS
 225 SOUTH MAIN STREET
 MONROE, OHIO 45050
 PH 513-402-7600
 WWW.ASG-ENG.COM
 "Value Engineering the First Time"

Union LaSteel				
PROJECT	Shop	STRUCTURAL DETAILS		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL 32025	DATE: 6/12/24	SHEET 6 OF 21	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	0.750	2.00
SP-2	4	4	0	A325	0.750	1.75

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-100	W12X14	18'-4 1/8"
RF1-101	W12X14	22'-5 1/4"
RF1-102	W12X14	34'-8 13/16"
RF1-103	W12X14	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 1



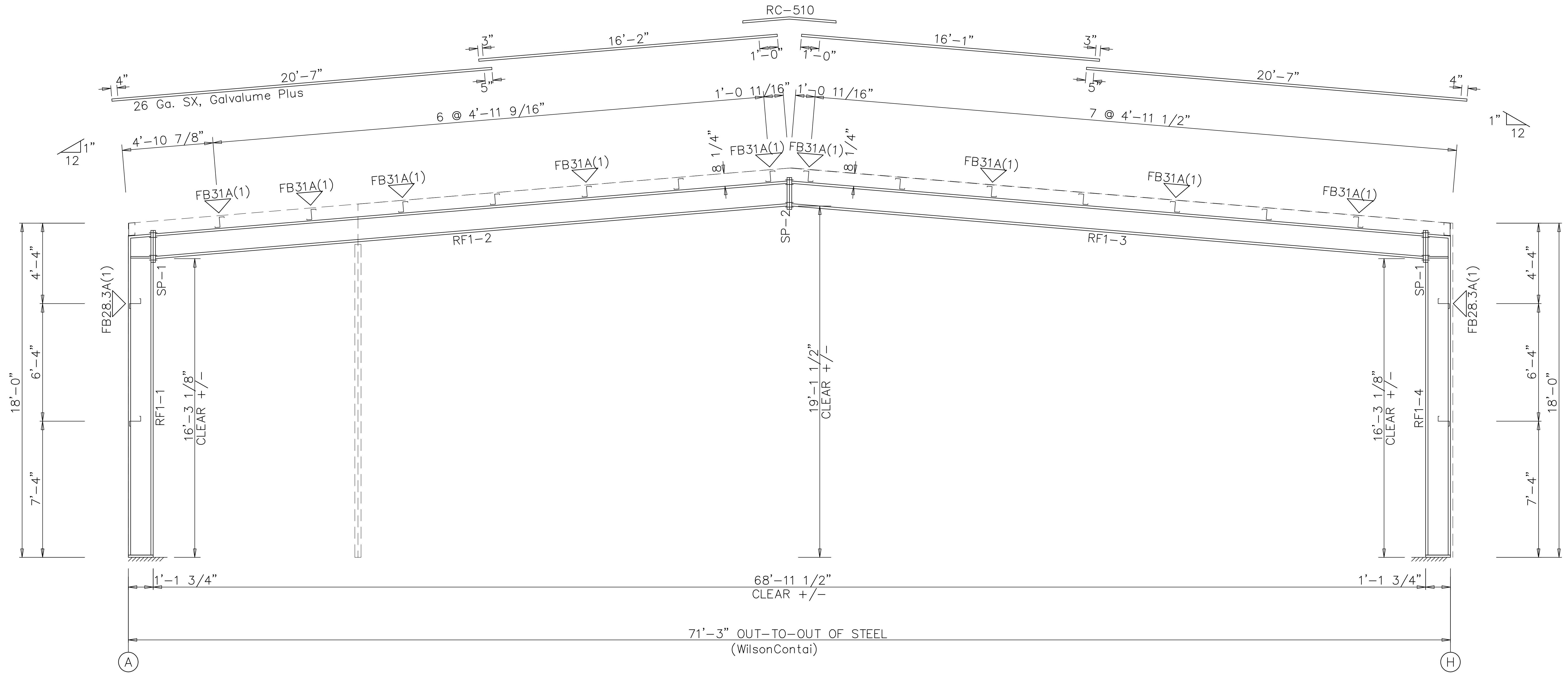
ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel					
PROJECT	Shop		RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025		DATE: 6/12/24		SHEET 7 OF 21

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
SP-1	4	4	0	A325	0.750	2.00
SP-2	4	4	0	A325	0.750	1.75

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-1	W14X22	17'-3 3/4"
RF1-2	W14X22	34'-7"
RF1-3	W14X22	34'-7"
RF1-4	W14X22	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 2



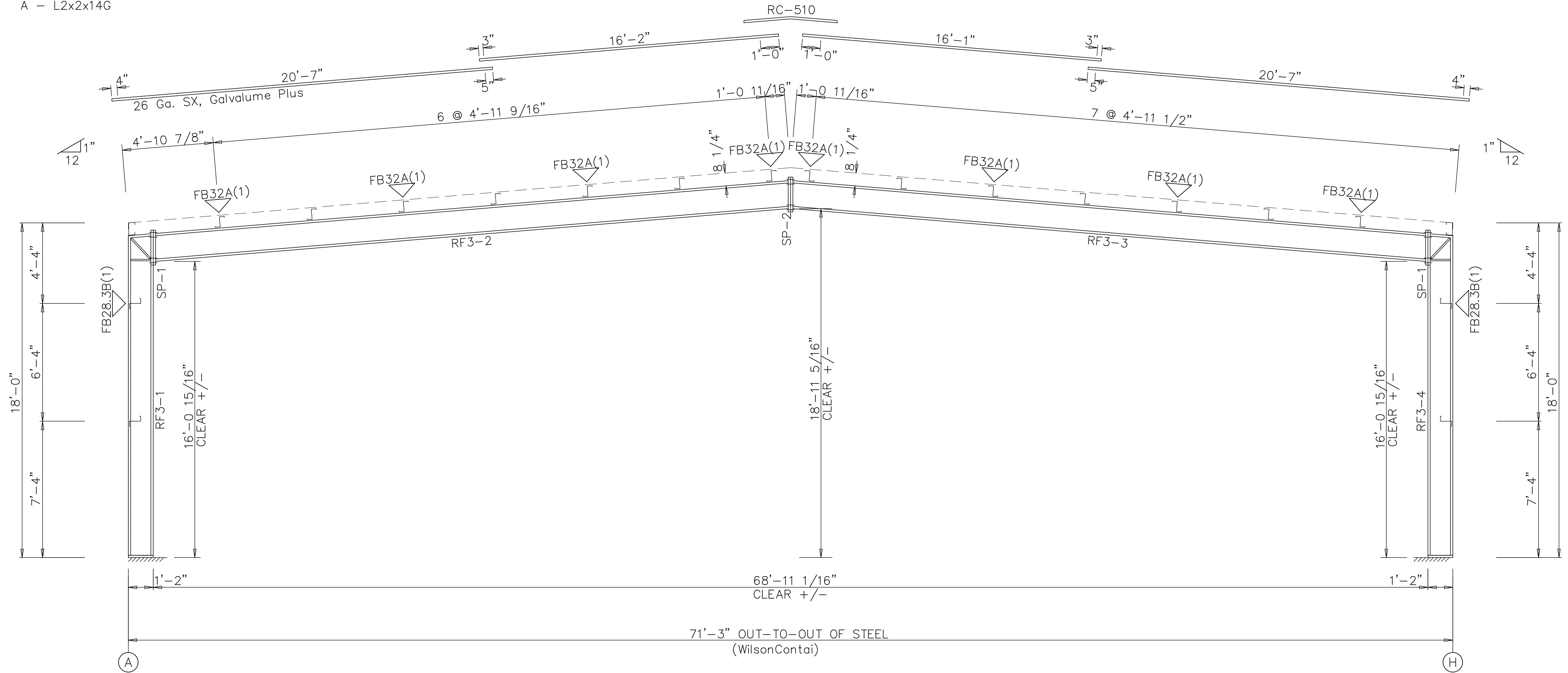
ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel					
PROJECT	Shop		RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:	
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 6/12/24	SHEET 8 OF 21		

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	1.000	2.50
SP-2	4	4	0	A325	0.750	2.25

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF3-1	W14X34	17'-3 3/4"
RF3-2	W16X31	34'-6 13/16"
RF3-3	W16X31	34'-6 13/16"
RF3-4	W14X34	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1): xx=length(in)
B - F2X2X1/8
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 3

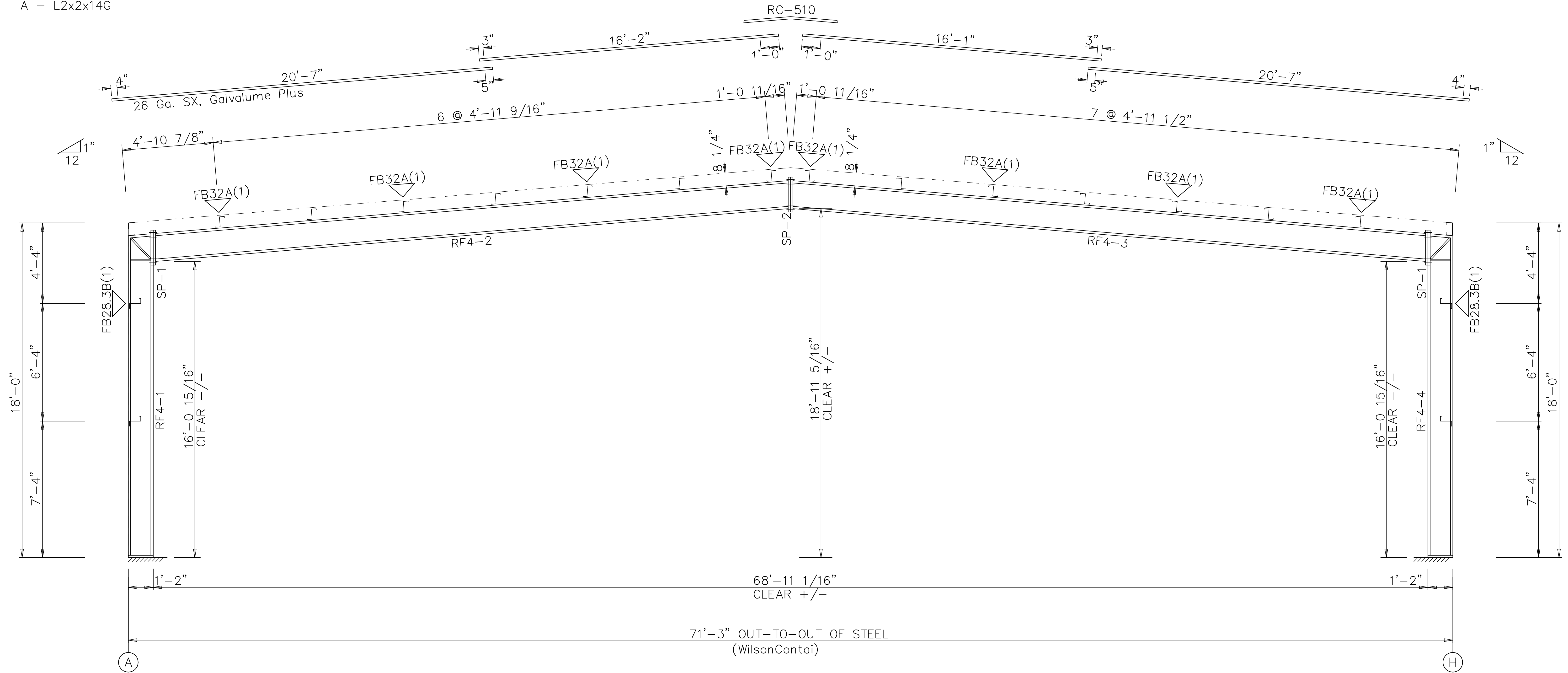


Union LaSteel				
PROJECT	Shop	RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 9 OF 21	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	1.000	2.50
SP-2	4	4	0	A325	0.750	2.25

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF4-1	W14X34	17'-3 3/4"
RF4-2	W16X31	34'-6 13/16"
RF4-3	W16X31	34'-6 13/16"
RF4-4	W14X34	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1): xx=length(in)
B - F2X2X1/8
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 4

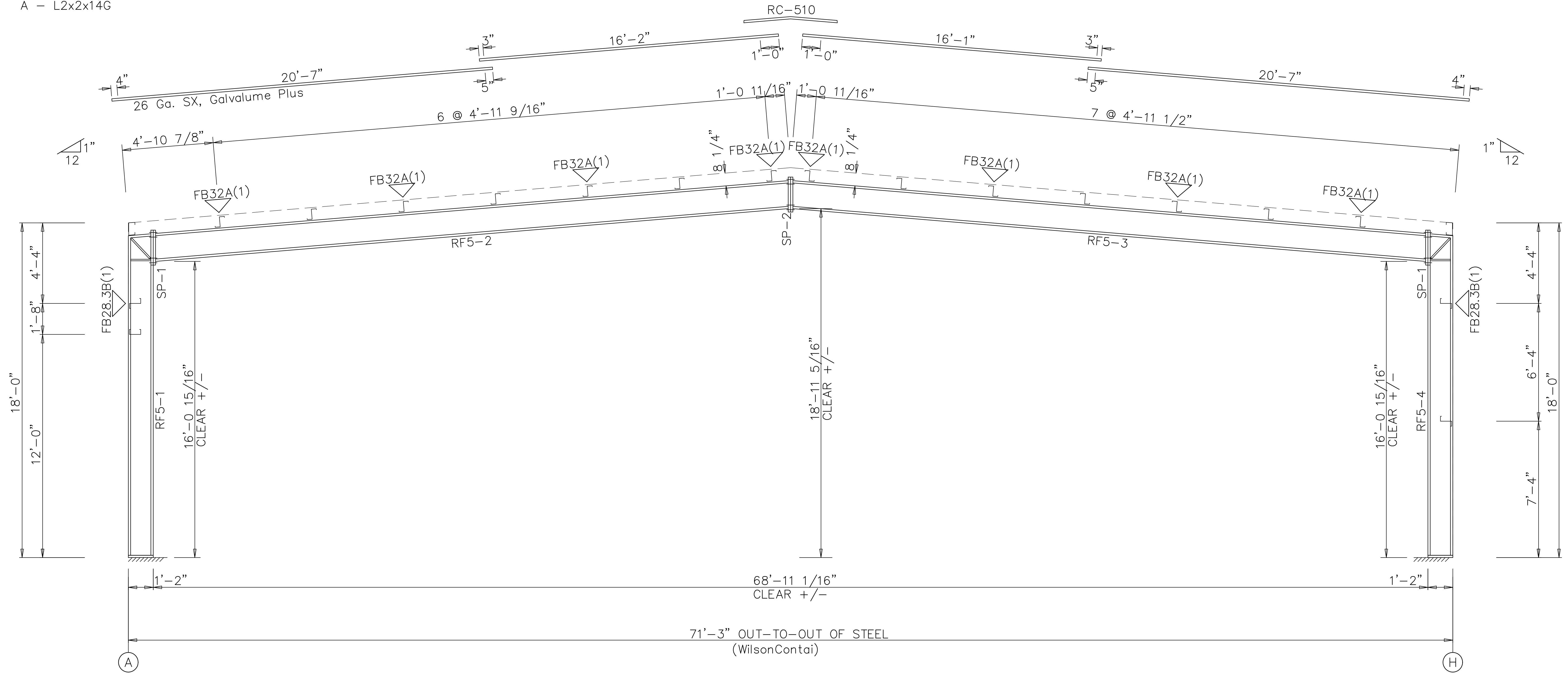


Union LaSteel				
PROJECT	Shop	RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 10 OF 21	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	1.000	2.50
SP-2	4	4	0	A325	0.750	2.25

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF5-1	W14X34	17'-3 3/4"
RF5-2	W16X31	34'-6 13/16"
RF5-3	W16X31	34'-6 13/16"
RF5-4	W14X34	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1): xx=length(in)
B - F2X2X1/8
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 5



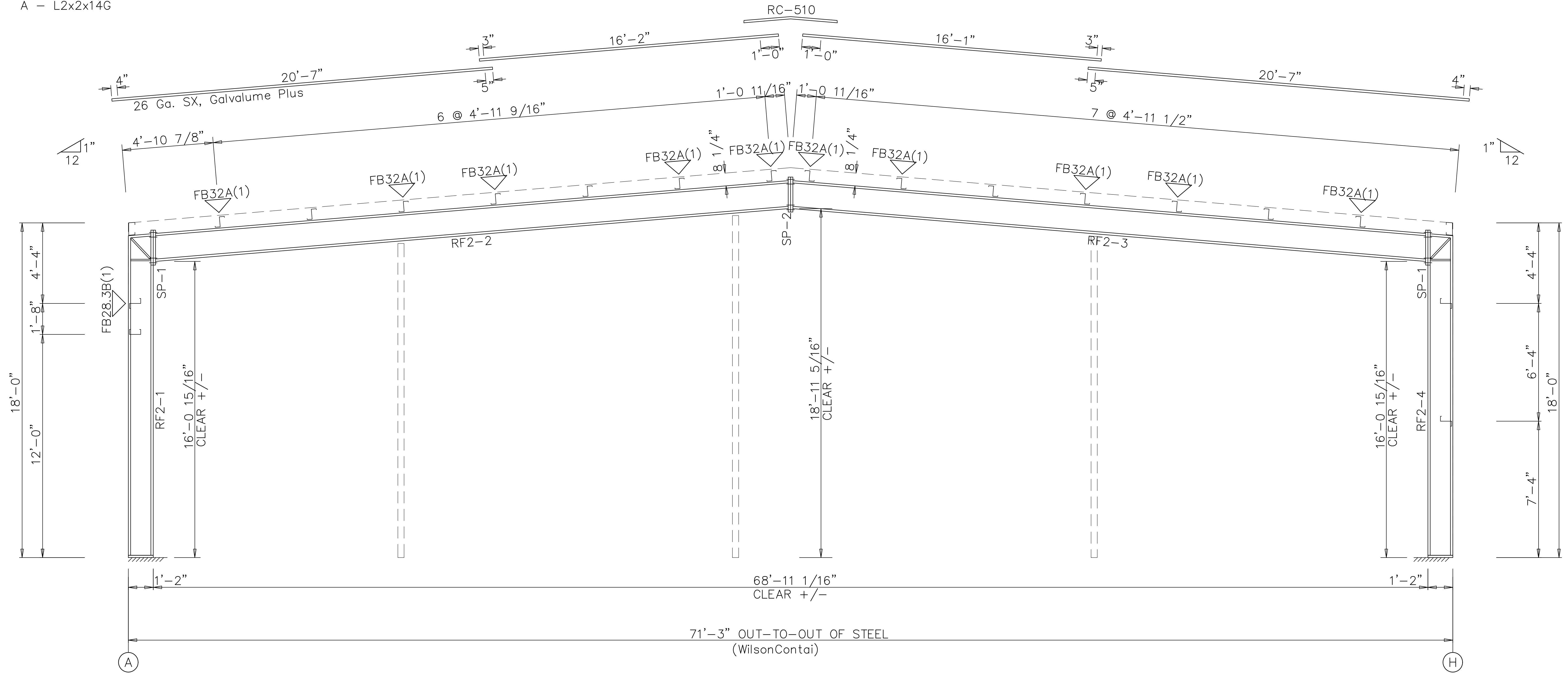
ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel				
PROJECT	Shop	RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 11 OF 21	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	1.000	2.50
SP-2	4	4	0	A325	0.750	2.25

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF2-1	W14X34	17'-3 3/4"
RF2-2	W16X31	34'-6 13/16"
RF2-3	W16X31	34'-6 13/16"
RF2-4	W14X34	17'-3 3/4"

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1): xx=length(in)
B - F2X2X1/8
A - L2x2x14G

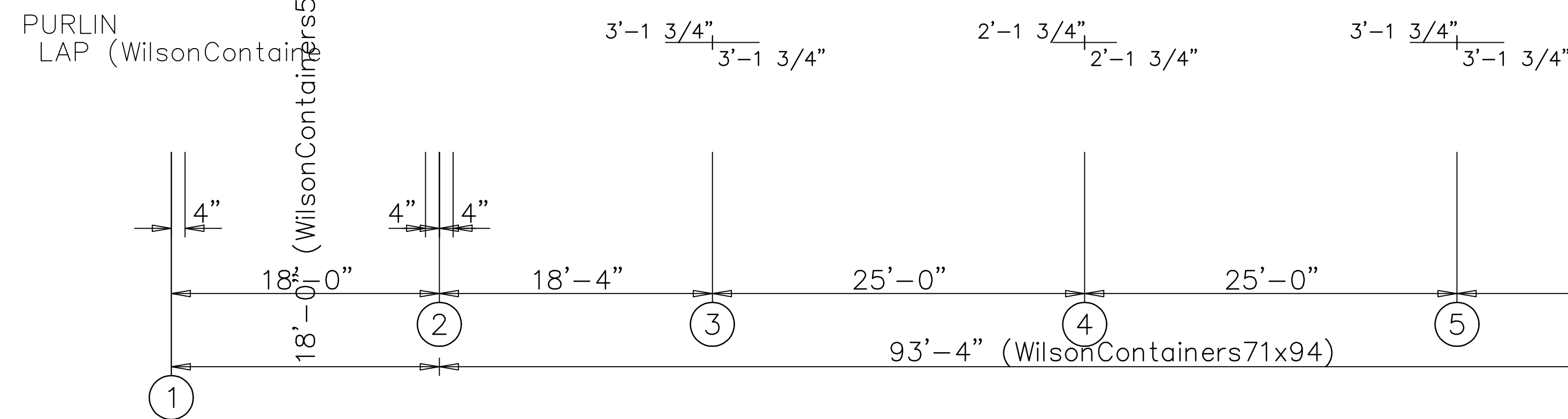


RIGID FRAME ELEVATION: FRAME LINE 6



ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel				
PROJECT	Shop	RIGID FRAME ELEVATION		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 12 OF 21	

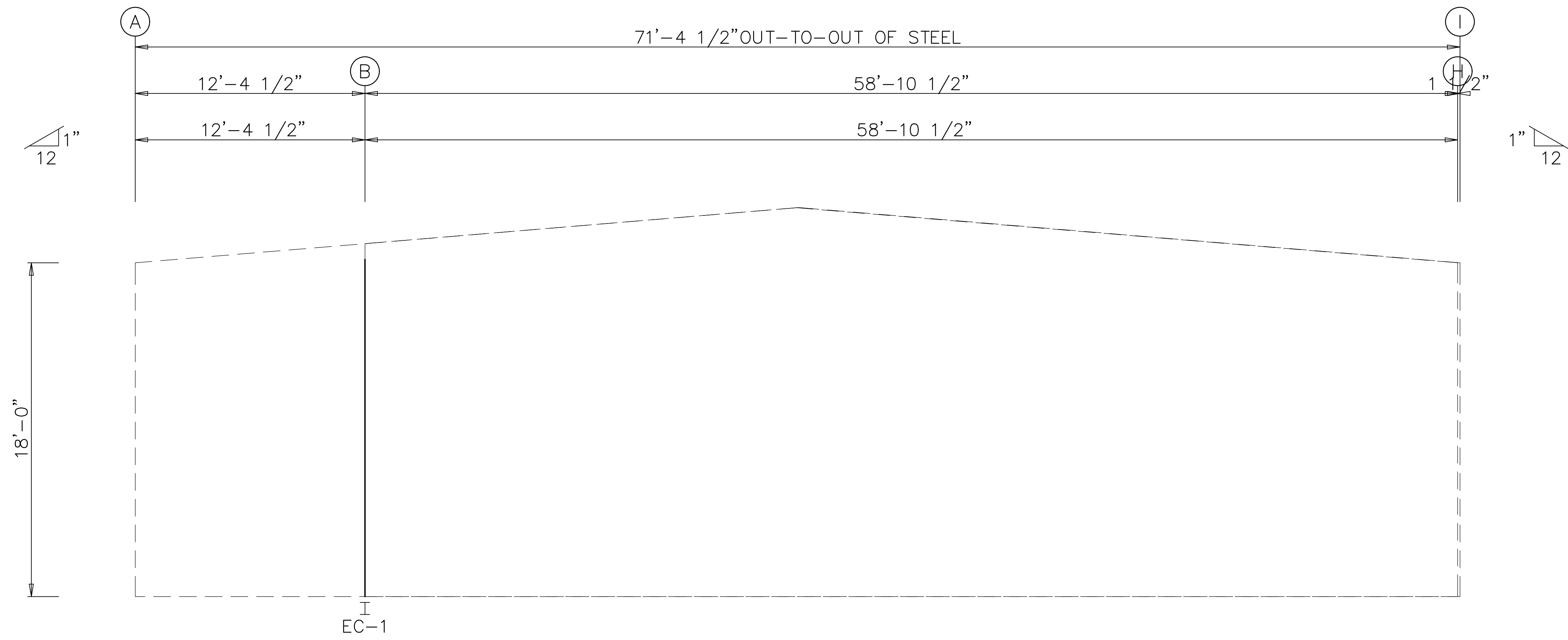


ANGLE TABLE		
ROOF PLAN		
◇ID	MARK	LENGTH
1	Rake L	20'-0"

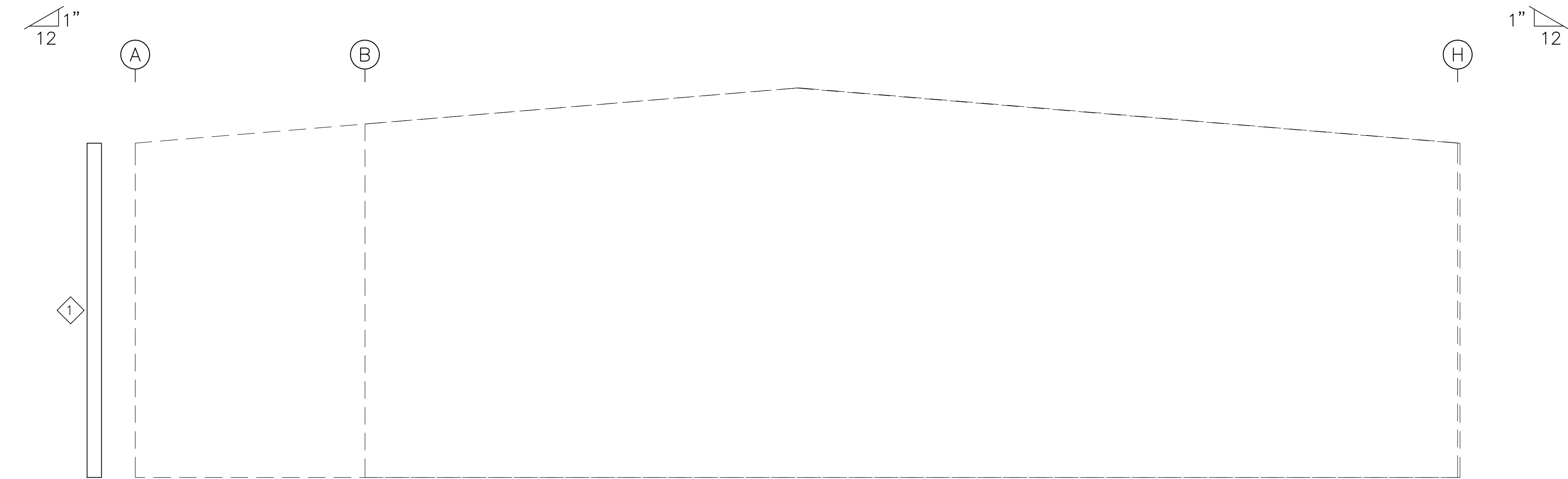


ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel					
PROJECT			ROOF FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:	
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 6/12/24		SHEET 13 OF 21	



ENDWALL FRAMING: FRAME LINE 2



ENDWALL SHEETING & TRIM: FRAME LINE 2

BOLT TABLE				
FRAME LINE 2				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	2	A325	5/8"	1 1/2"

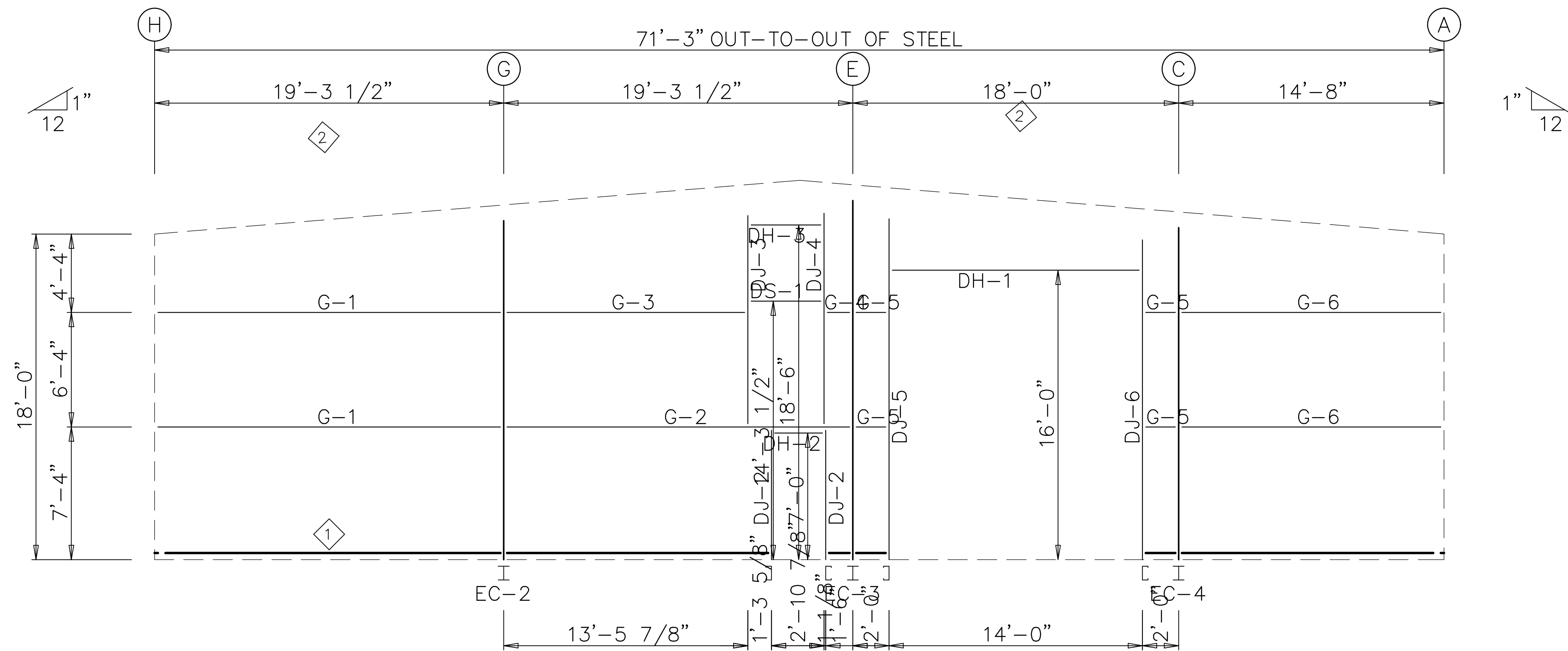
TRIM TABLE			
FRAME LINE 2			
◇ID	MARK	LENGTH	DETAIL
1	JT-101	10'-3"	TRIM_301

MEMBER TABLE		
FRAME LINE 2		
MARK	PART	LENGTH
EC-1	W8X10	17'-2"

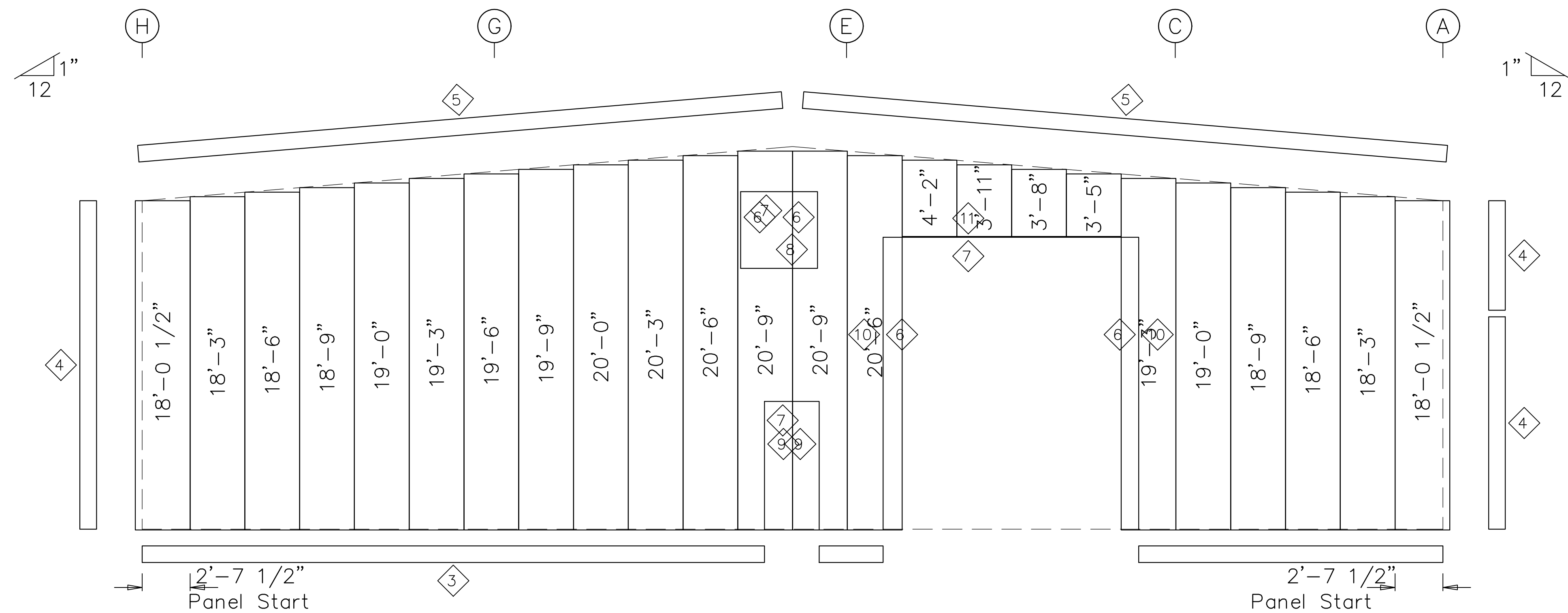


ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel				
PROJECT	Shop	ENDWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 6/12/24	SHEET 14 OF 21	



ENDWALL FRAMING: FRAME LINE 6



ENDWALL SHEETING & TRIM: FRAME LINE 6

PANELS: 26 Ga. SX - Ash Gray (SMP)

BOLT TABLE FRAME LINE 6				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	2	A325	5/8"	1 1/2"
Jamb	2	A325	1/2"	1 1/4"

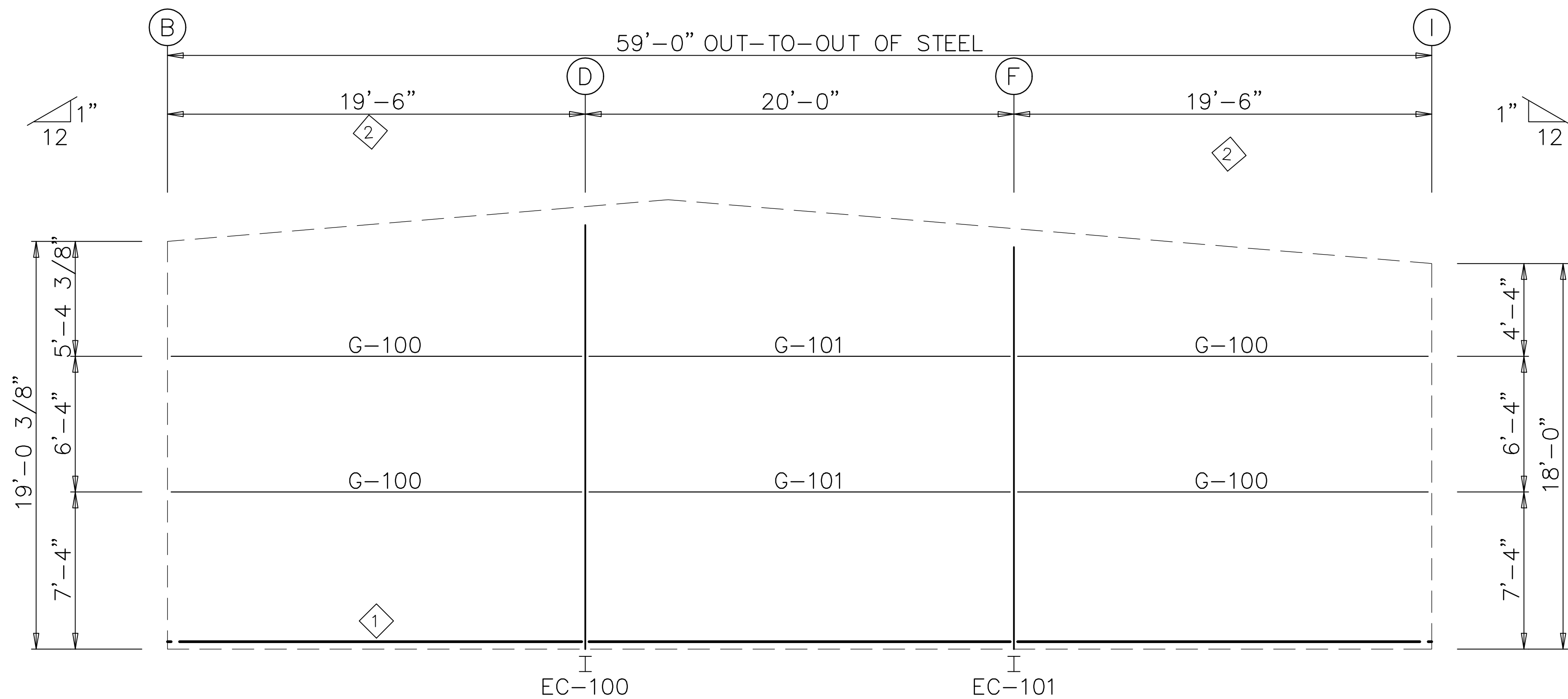
TRIM TABLE FRAME LINE 6			
ID	MARK	LENGTH	DETAIL
3	BT-102	10'-3"	TRIM_68
4	CT-102	10'-3"	TRIM_323
5	RT-101	10'-3"	TRIM_229
6	JT-101	10'-3"	TRIM_239
7	HT-101	10'-3"	TRIM_232
8	MT-113	10'-3"	TRIM_261
9	JT-101	10'-3"	TRIM_401
10	MT-116	10'-3"	TRIM_242
11	MT-116	10'-3"	TRIM_235

MEMBER TABLE FRAME LINE 6		
MARK	PART	LENGTH
EC-2	W8X10	17'-6 3/4"
EC-3	W8X10	18'-8 1/8"
EC-4	W8X10	17'-2 1/8"
DJ-2	8X35C16	7'-4"
DJ-3	8X35C16	11'-4 1/4"
DJ-4	8X35C16	11'-5 3/4"
DJ-5	8X35C16	18'-6 1/8"
DJ-6	8X35C16	17'-4 1/8"
DH-1	8X35C16	14'-0"
DH-2	8X35C16	3'-0"
DH-3	8X35C16	4'-2 1/2"
DS-1	8X35C16	4'-2 1/2"
G-1	8X25Z16	17'-9 1/4"
G-2	8X25Z16	18'-7 1/2"
G-3	8X25Z16	12'-9 5/8"
G-4	8X25Z16	10 7/8"
G-5	8X25Z16	1'-3 3/4"
G-6	8X25Z16	13'-1 3/4"

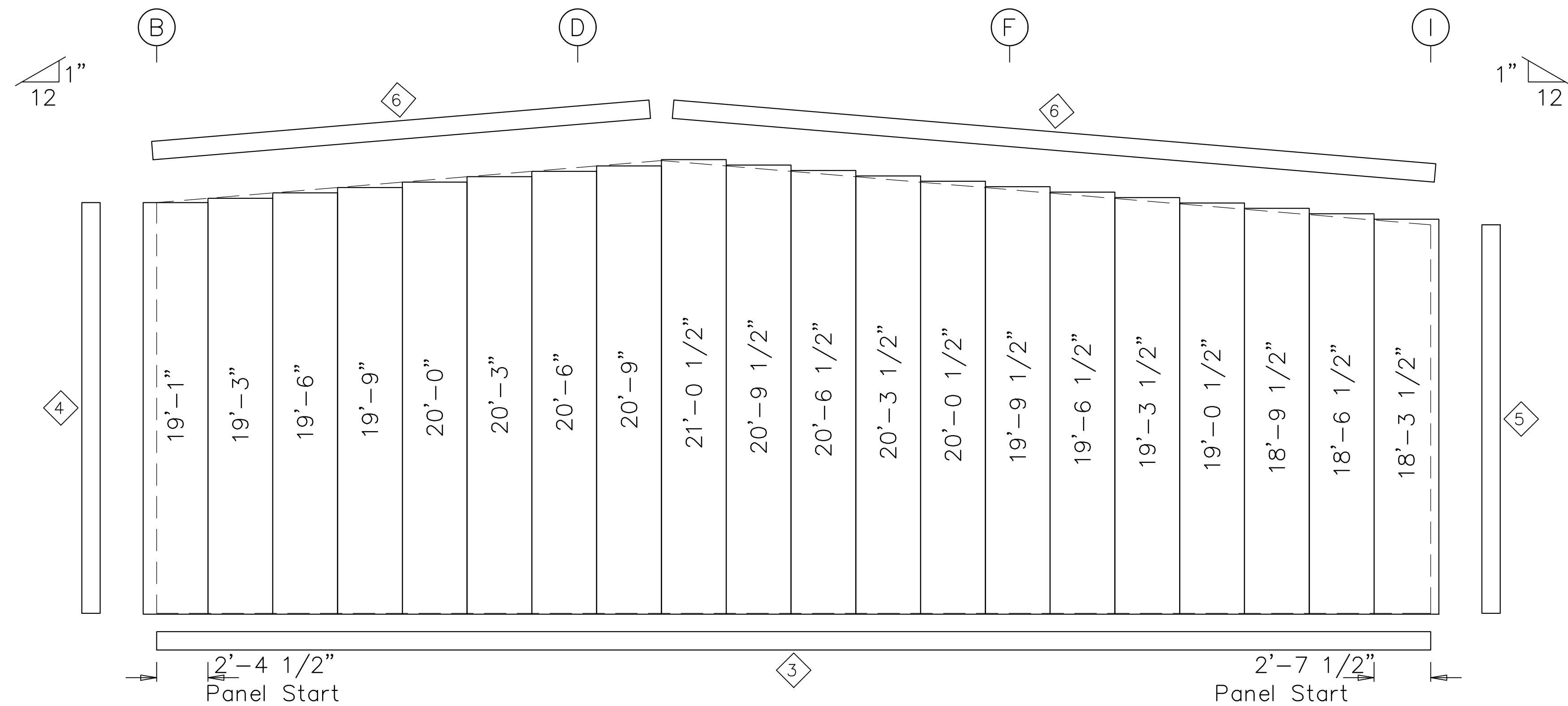
ANGLE TABLE FRAME LINE 6		
ID	MARK	LENGTH
1	Base L	20'-0"
2	Rake L	20'-0"



Union LaSteel				
PROJECT	Shop	ENDWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/13/24	SHEET 15 OF 21	



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. SX - Need Sill Poly Color

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	2	A325	5/8"	1 1/2"

TRIM TABLE			
FRAME LINE 1			
ID	MARK	LENGTH	DETAIL
3	BT-102	10'-3"	TRIM_68
4	JT-101	10'-3"	TRIM_301
5	CT-102	10'-3"	TRIM_323
6	RT-101	10'-3"	TRIM_229

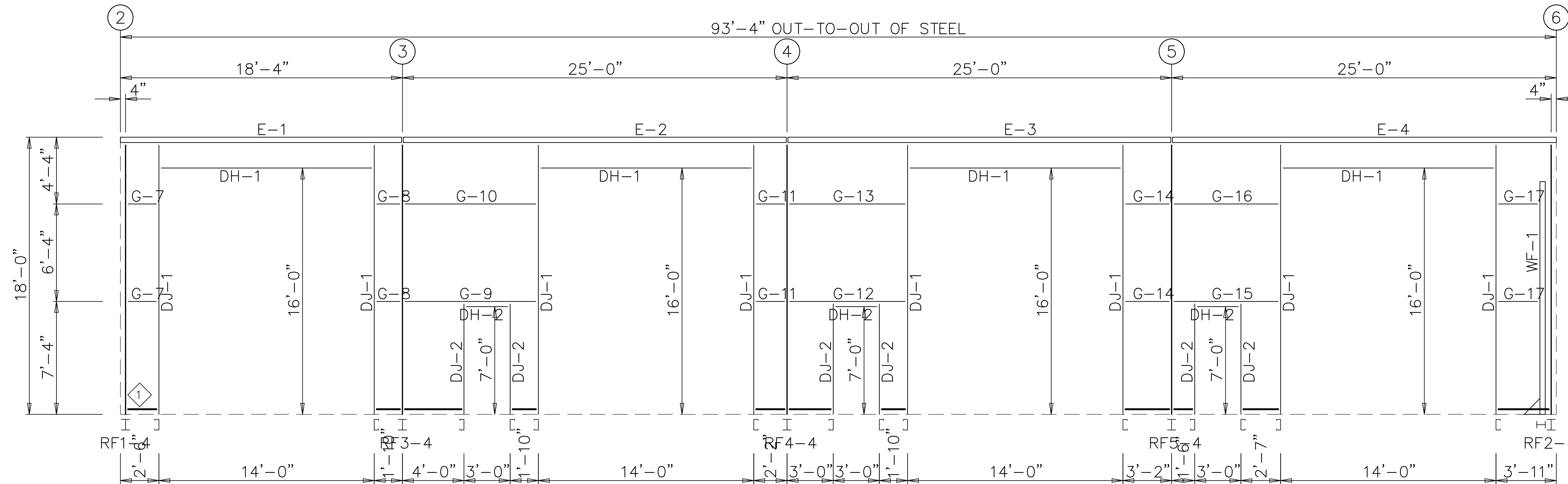
MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-100	W8X10	18'-11 3/8"
EC-101	W8X10	17'-11 1/16"
G-100	8X25Z16	18'-1 7/8"
G-101	8X25Z14	19'-4"

ANGLE TABLE		
FRAME LINE 1		
ID	MARK	LENGTH
1	Base L	20'-0"
2	Rake L	20'-0"

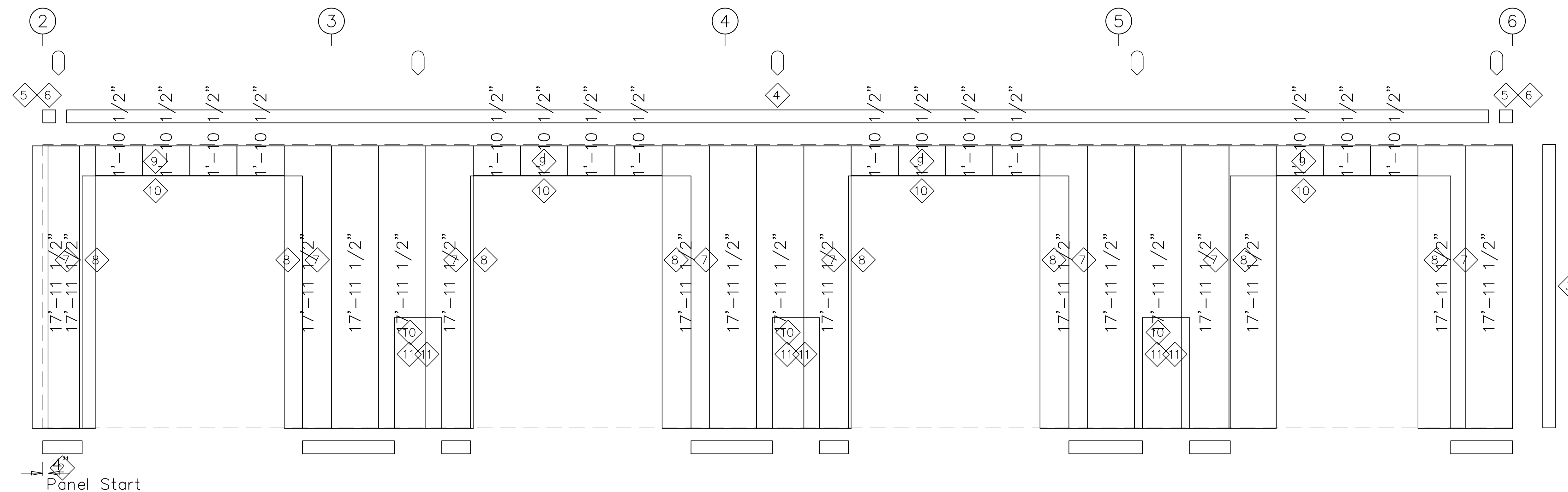


Union LaSteel				
PROJECT	Shop	ENDWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL. 32025	DATE: 6/12/24	SHEET 16 OF 21	

DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE H



SIDEWALL SHEETING & TRIM: FRAME LINE H

PANELS: 26 Ga. SX – Ash Gray (SMP)

TRIM TABLE			
FRAME LINE H			
◇ID	MARK	LENGTH	DETAIL
2	BT-102	10'-3"	TRIM_68
3	CT-102	10'-3"	TRIM_323
4	GU-121	20'-3"	
5	EC-121	6"	
6	SCB	6"	
7	MT-116	10'-3"	TRIM_242
8	JT-101	10'-3"	TRIM_239
9	MT-116	10'-3"	TRIM_235
10	HT-101	10'-3"	TRIM_232
11	JT-101	10'-3"	TRIM_401

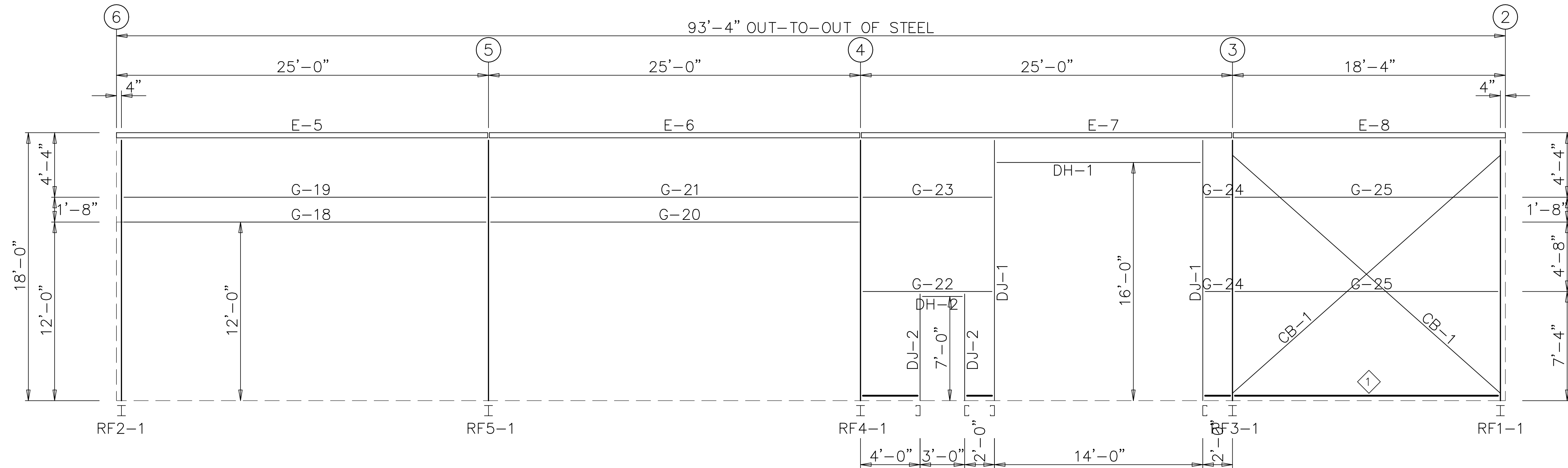
MEMBER TABLE		
FRAME LINE H		
MARK	PART	LENGTH
WF-1	W08582	15'-6"
DJ-1	8X35C16	17'-4 5/8"
DJ-2	8X35C16	7'-4"
DH-1	8X35C16	14'-0"
DH-2	8X35C16	3'-0"
E-1	E085341L	18'-3 1/2"
E-2	E085341L	24'-11 1/2"
E-3	E085341L	24'-11 1/2"
E-4	E085341L	24'-11 1/2"
G-7	8X25Z16	1'-6 3/8"
G-8	8X25Z16	1'-2 1/8"
G-9	8X25Z16	8'-2 1/8"
G-10	8X25Z16	8'-2 1/8"
G-11	8X25Z16	1'-6 1/8"
G-12	8X25Z16	7'-2 1/8"
G-13	8X25Z16	7'-2 1/8"
G-14	8X25Z16	2'-6 1/8"
G-15	8X25Z16	6'-5 1/8"
G-16	8X25Z16	6'-5 1/8"
G-17	8X25Z16	2'-6 1/2"

ANGLE TABLE		
FRAME LINE H		
◇ID	MARK	LENGTH
1	Base L	20'-0"



Union LaSteel				
PROJECT	Shop	SIDEWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, FL 32025	DATE: 6/12/24	SHEET 17 OF 21	

DOWNSPOUT LOCATIONS

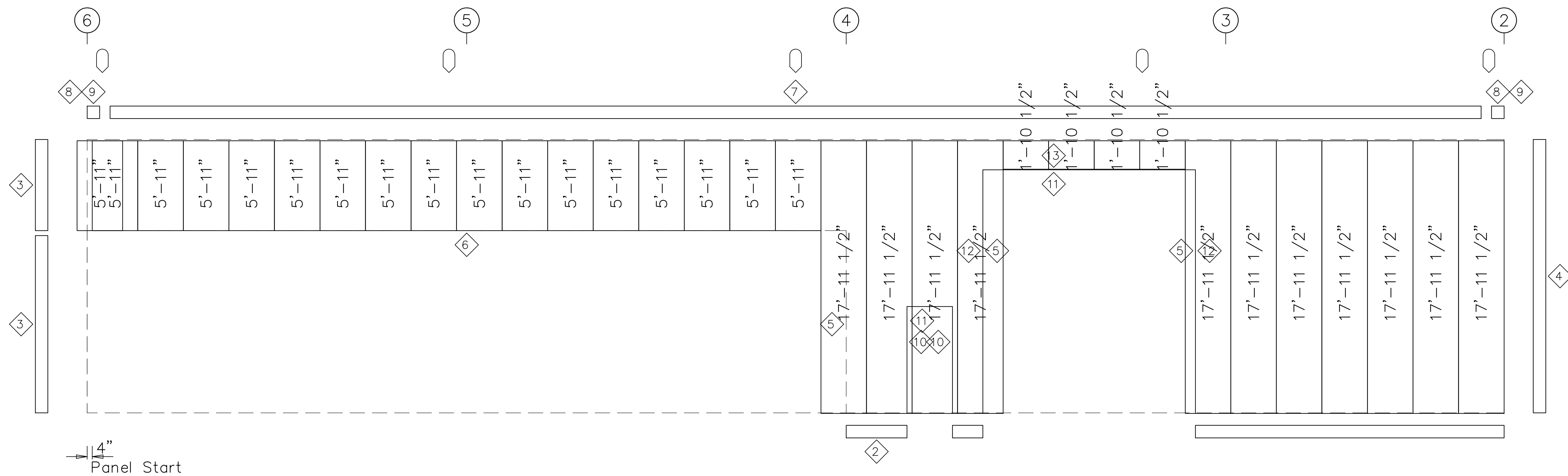


SIDEWALL FRAMING: FRAME LINE A

TRIM TABLE		FRAME LINE	A	
◇ID	MARK	LENGTH		DETAIL
2	BT-102	10'-3"		TRIM_68
3	CT-102	10'-3"		TRIM_323
4	JT-101	10'-3"		TRIM_301
5	JT-101	10'-3"		TRIM_239
6	BT-102	10'-3"		TRIM_71
7	GU-121	20'-3"		
8	EC-121	6"		
9	SCB	6"		
10	JT-101	10'-3"		TRIM_401
11	HT-101	10'-3"		TRIM_232
12	MT-116	10'-3"		TRIM_242
13	MT-116	10'-3"		TRIM_235

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
DJ-1	8X35C16	17'-4 5/8"
DJ-2	8X35C16	7'-4"
DH-1	8X35C16	14'-0"
DH-2	8X35C16	3'-0"
E-5	E085341L	24'-11 1/2"
E-6	E085341L	24'-11 1/2"
E-7	E085341L	24'-11 1/2"
E-8	E085341L	18'-3 1/2"
G-18	8X25C12	24'-0 3/4"
G-19	8X25Z16	24'-0 3/4"
G-20	8X25C12	24'-4 3/4"
G-21	8X25Z16	24'-4 3/4"
G-22	8X25Z16	8'-4 1/8"
G-23	8X25Z16	8'-4 1/8"
G-24	8X25Z16	1'-4 1/8"
G-25	8X25Z16	17'-5"
CB-1	0.31_CBL	22'-5 3/4"

ANGLE TABLE		
FRAME LINE A		
◇ID	MARK	LENGTH
1	Base L	20'-0"



SIDEWALL SHEETING & TRIM: FRAME LINE A

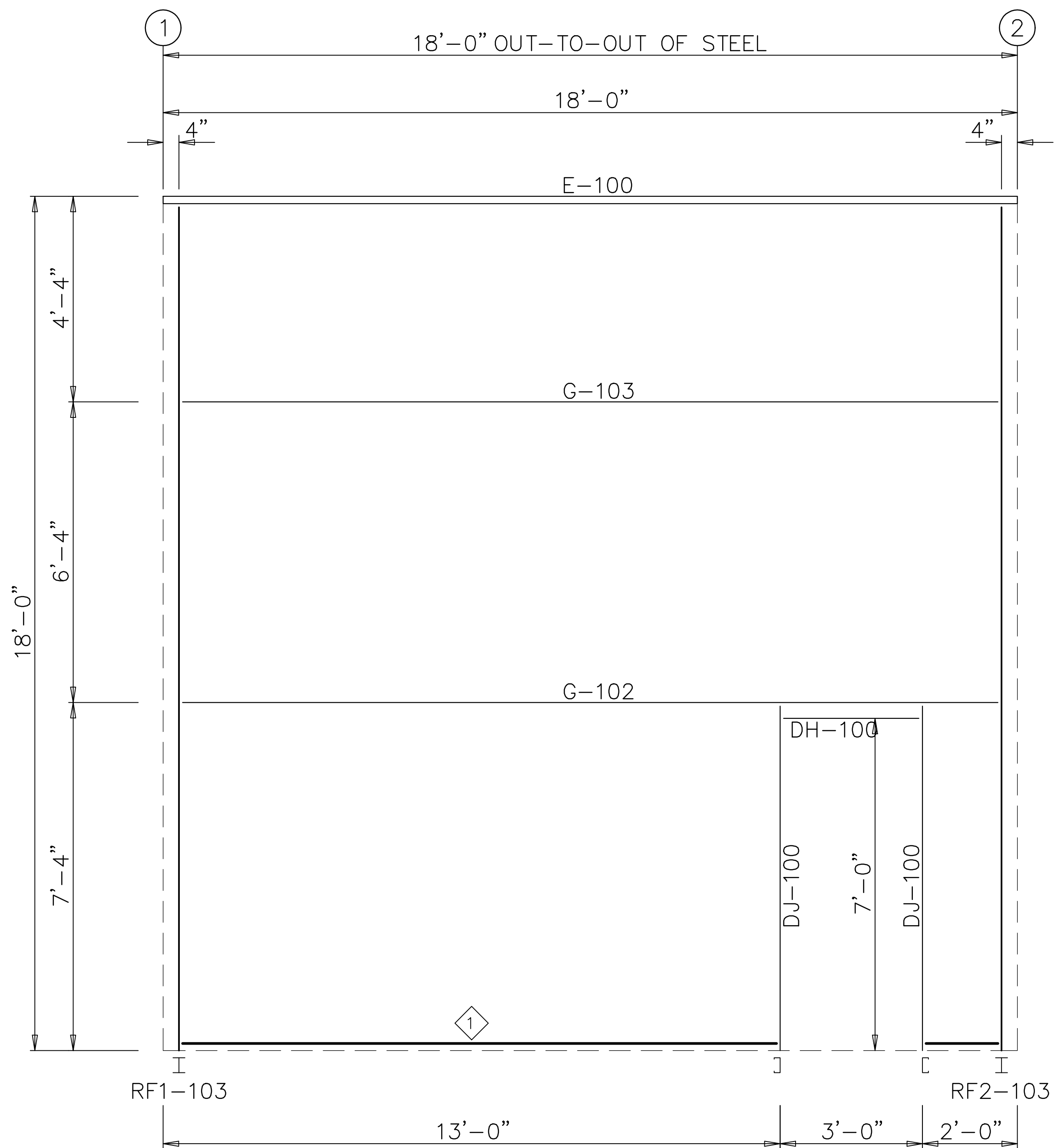
PANELS: 26 Ga. SX – Ash Gray (SMP)



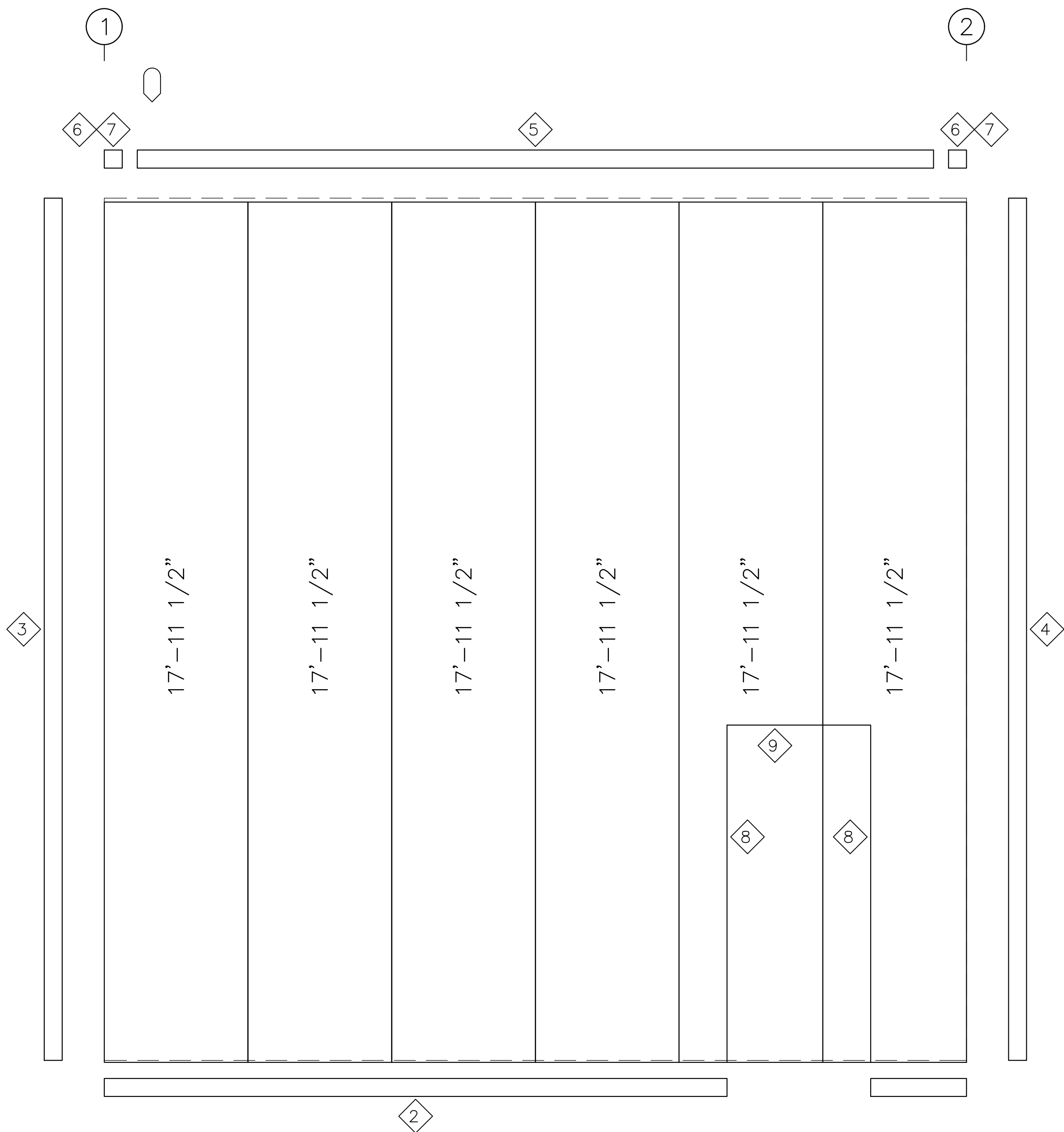
Union LaSteel				
PROJECT	Shop	SIDEWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 6/12/24	SHEET 18 OF 21	



DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE I



SIDEWALL SHEETING & TRIM: FRAME LINE I

PANELS: 26 Ga. SX – Need Sill Poly Color

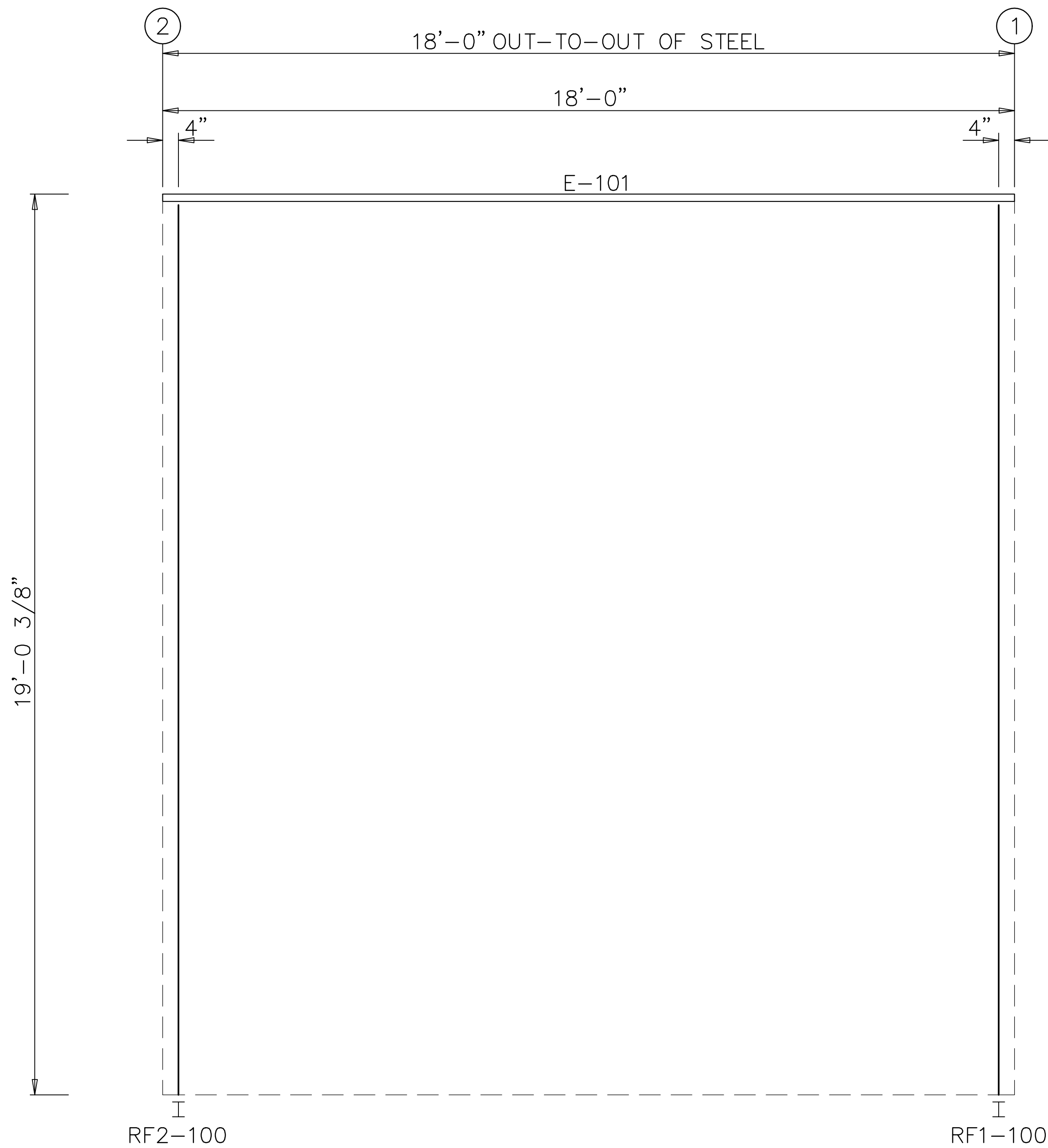
TRIM TABLE			
FRAME LINE I			
ID	MARK	LENGTH	DETAIL
2	BT-102	10'-3"	TRIM_68
3	CT-102	10'-3"	TRIM_323
4	JT-101	10'-3"	TRIM_301
5	GU-121	20'-3"	
6	EC-121	6"	
7	SCB	6"	
8	JT-101	10'-3"	TRIM_401
9	HT-101	10'-3"	TRIM_232

MEMBER TABLE			
FRAME LINE I			
MARK	PART	LENGTH	
DJ-100	8X35C16	7'-4"	
DH-100	8X35C16	3'-0"	
E-100	E085341L	17'-11 1/2"	
G-102	8X25Z16	16'-9 1/4"	
G-103	8X25Z16	16'-9 1/4"	

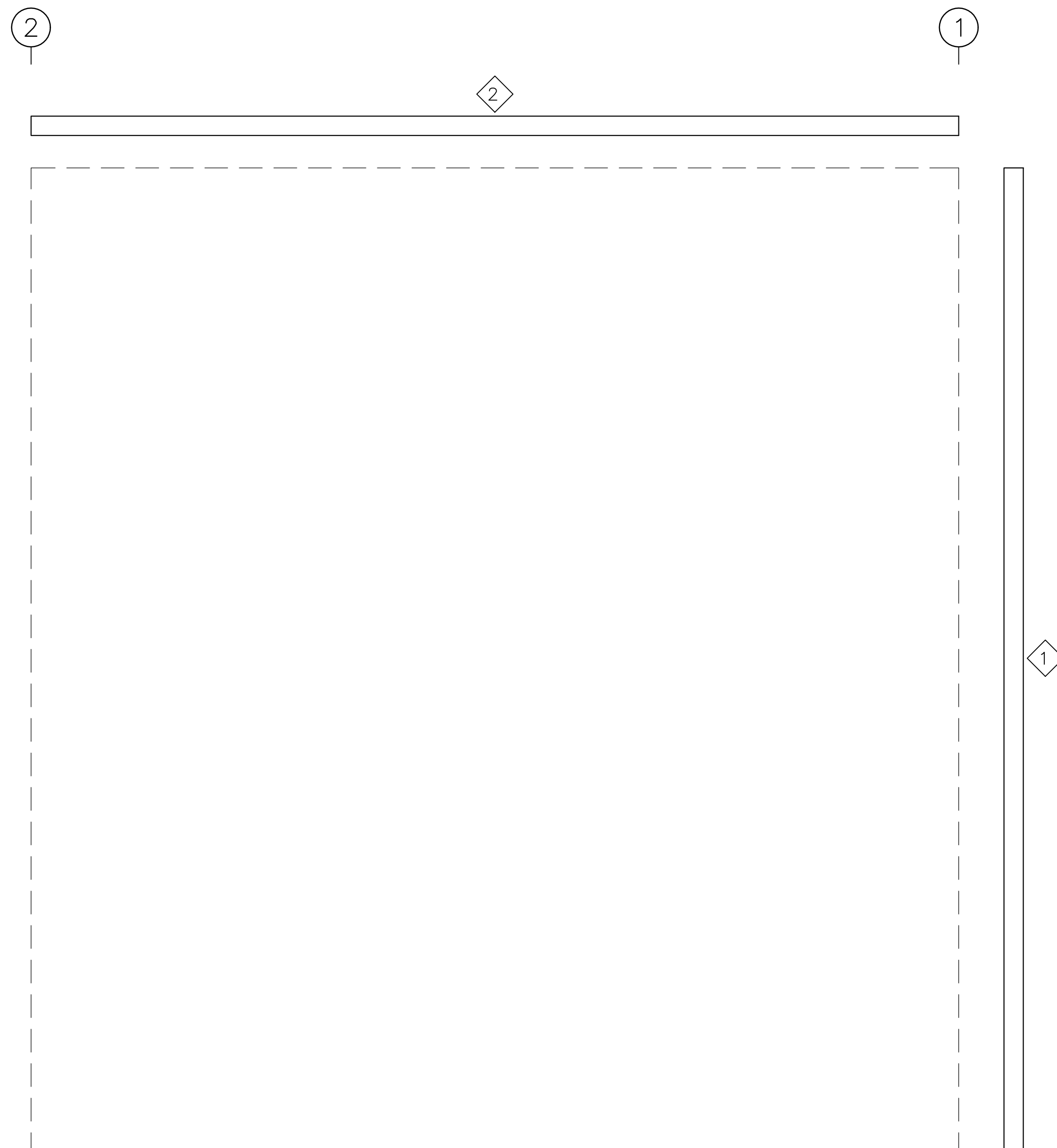
ANGLE TABLE		
FRAME LINE I		
ID	MARK	LENGTH
1	Base L	20'-0"



Union LaSteel					
PROJECT	Shop		SIDEWALL FRAMING		
ID	WilsonContainersWarehouse		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025		DATE: 6/12/24	SHEET 19 OF 21	



SIDEWALL FRAMING: FRAME LINE B



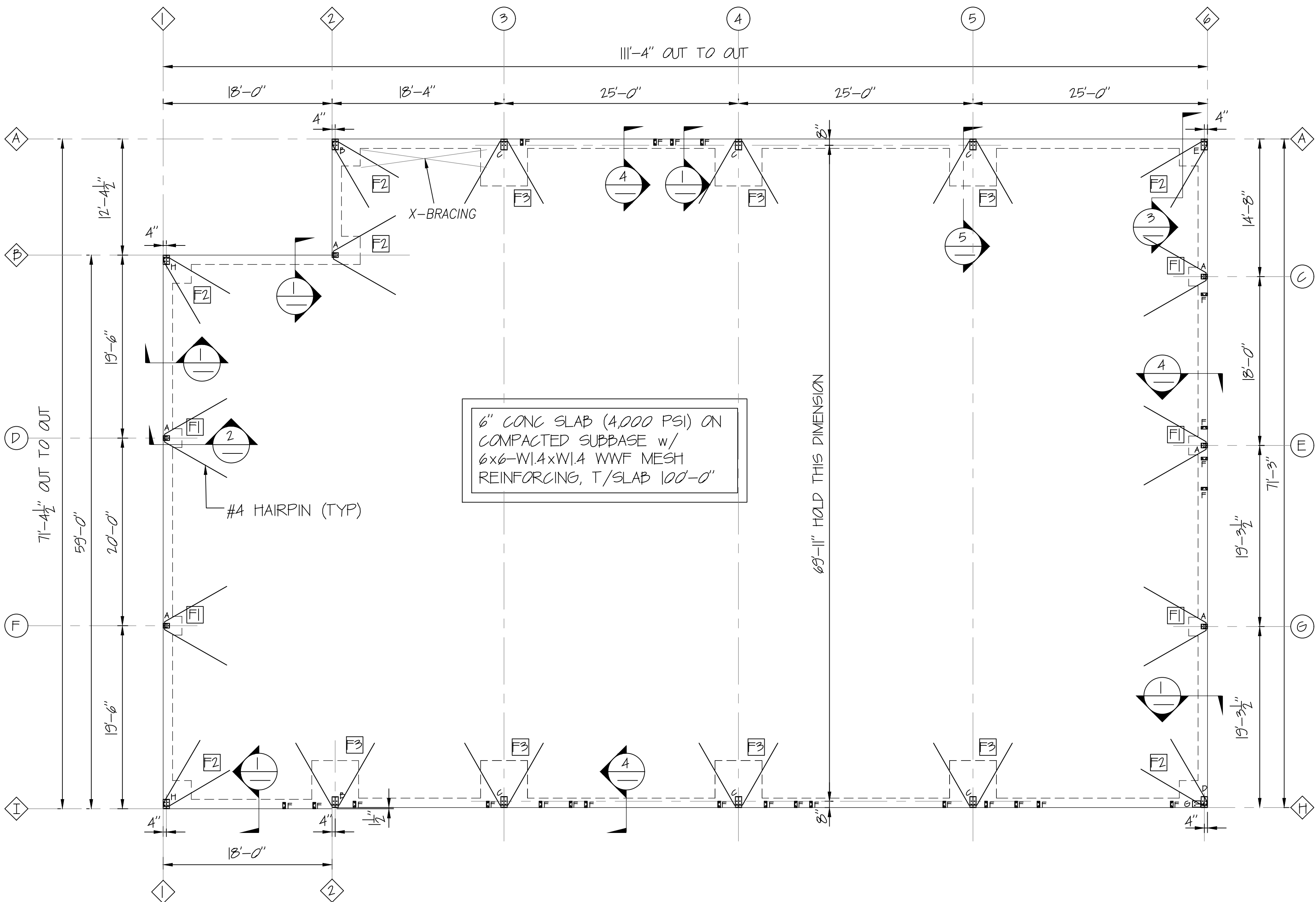
SIDEWALL SHEETING & TRIM: FRAME LINE B

TRIM TABLE			
FRAME LINE B			
◇ID	MARK	LENGTH	DETAIL
1	JT-101	10'-3"	TRIM_301
2	ET-701	10'-3"	TRIM_316

MEMBER TABLE		
FRAME LINE B		
MARK	PART	LENGTH
E-101	E085341L	17'-11 1/2"



Union LaSteel				
PROJECT	Shop	SIDEWALL FRAMING		
ID	WilsonContainersWarehouse	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 6/12/24	SHEET 20 OF 21	



FOOTING SCHEDULE				
FND MARK	FND SIZE (L x B x D)	REINFORCING		TOP OF FOOTING
		TOP, E.W.	BOTT, E.W.	
F1	2'-0" x 2'-0" x 2'-0"	NA	(3)-#5	100'-0"
F2	3'-0" x 3'-0" x 2'-0"	NA	(4)-#5	100'-0"
F3	5'-0" x 5'-0" x 2'-0"	NA	(6)-#5	100'-0"

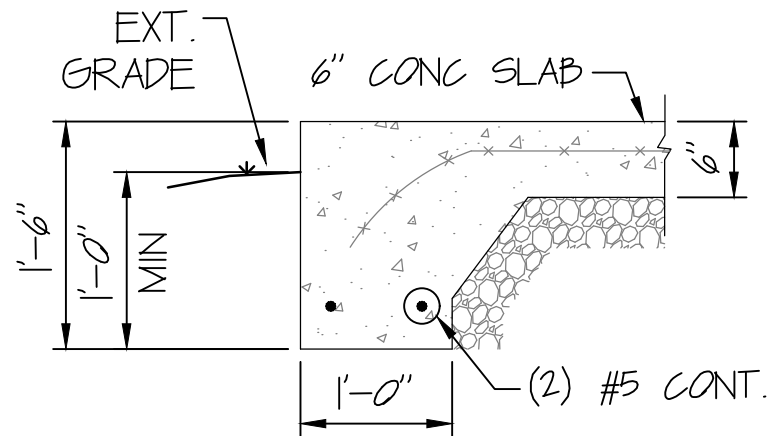
FOUNDATION PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

THE SOIL BEARING PRESSURE IS ASSUMED TO BE 1500 PSF MAXIMUM. UPON ENCOUNTERING SOILS LESS THAN THIS CONTACT THE ENGINEER.

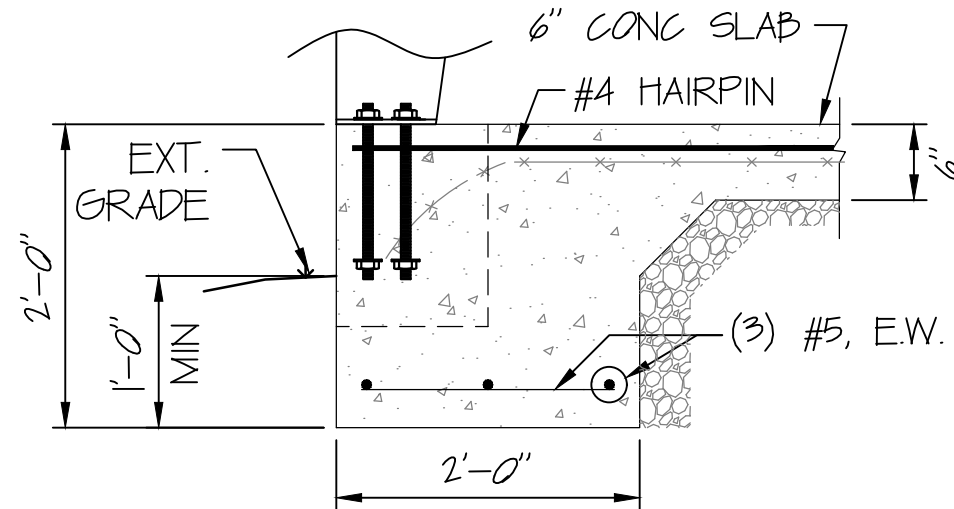
CONCRETE

- ALL CONCRETE WORK SHALL CONFORM TO ACI 301-18, "SPECIFICATIONS FOR BUILDINGS", EXCEPT AS NOTED BELOW. REFER TO CHAPTER 16 OF ACI 301 FOR REPORTS FROM TESTS THAT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, ARCHITECT, OWNER, ANY APPLICABLE CONTRACTORS, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.
- CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306R-16 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "COLD WEATHER CONCRETING".
- CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305R-10 "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO NOMOGRAPH FIG. 2.15 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
- REBAR FABRICATION, PLACEMENT, SPLICING, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 308, THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) HANDBOOK AND ANY OTHER APPLICABLE PUBLICATIONS.
- A SLUMP TEST SHALL BE PERFORMED BEFORE ANY HRWR IS ADDED.
- CONCRETE MATERIAL SPECIFICATION: 3000 PSF f'c BASED ON 28 DAYS STRENGTH.
- UNLESS OTHERWISE NOTED, REINFORCEMENT BARS TO HAVE MINIMUM CONCRETE COVER AS SHOWN BELOW:

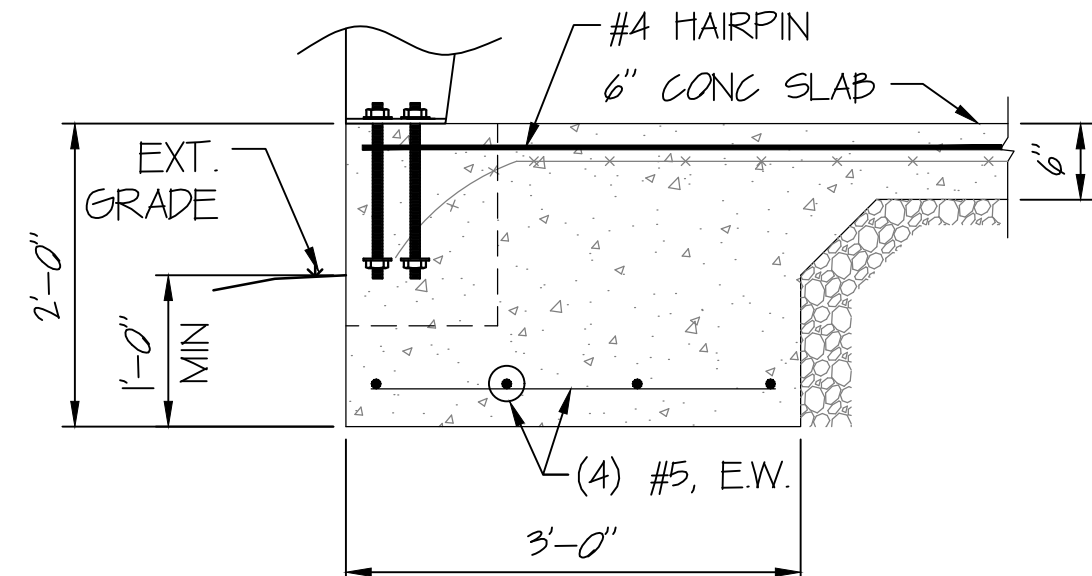
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3 INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#5 BARS AND SMALLER	1 1/2 INCHES
OTHER	2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS	1 1/2 INCHES
SLABS, WALLS, AND JOISTS:	
#11 BARS AND SMALLERS	3/4 INCHES
OTHERS	1 1/2 INCHES
- ALL EXPOSED EDGES ARE TO BE CHAMFERED 3/8 INCH, UNO.
- LAP SPLICE LENGTHS TO BE OF CLASS "B" PER ACI.
- CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A615 OR A616, GRADE 60.
- ISOLATED COLUMN FOOTINGS HAVE BEEN DESIGNED WITH AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF. UPON ENCOUNTERING ANY ADVERSE SOIL CONDITIONS CONTACT THE STRUCTURAL ENGINEER.
- DO NOT CAST CONCRETE AGAINST WATER OR FROZEN WATER.



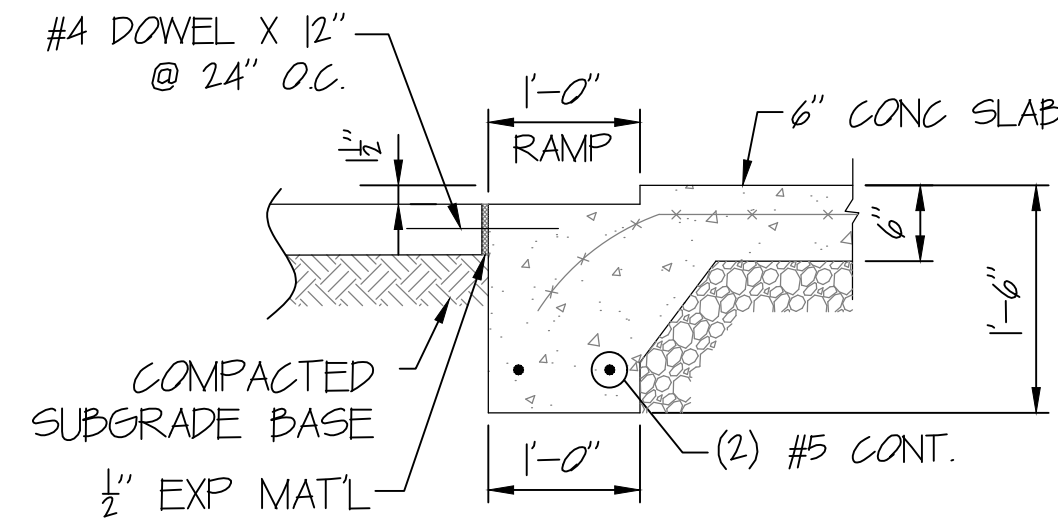
SECTION 1
N.T.S.



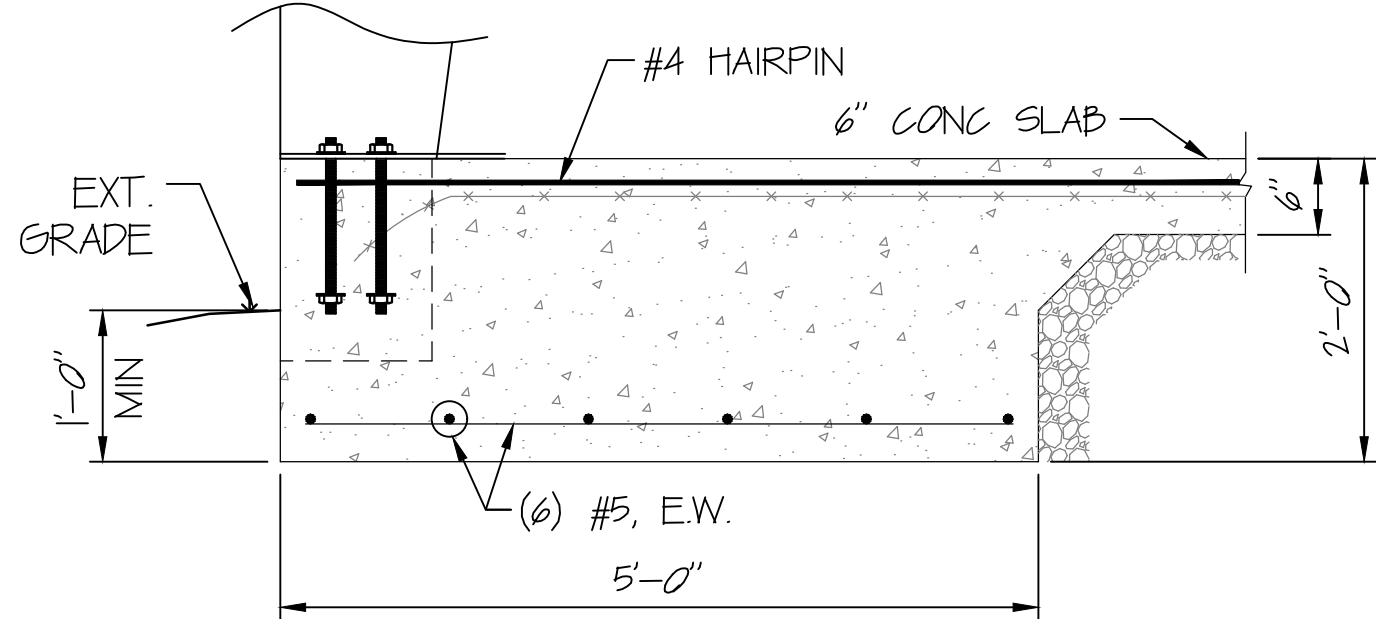
SECTION 2
N.T.S.



SECTION 3
N.T.S.



SECTION 4
N.T.S.



SECTION 5
N.T.S.



Union LaSteel			
PROJECT	Shop	FOUNDATION PLAN & DETAILS	
ID	WilsonContainersWarehouse	DESIGN: TSM	DRAFT: GSM
PROJECT ADDRESS	1291 SE Baya Drive Lake City, Fl. 32025	DATE: 07/02/24	CHECK: TSM
		SHEET 21 OF 21	