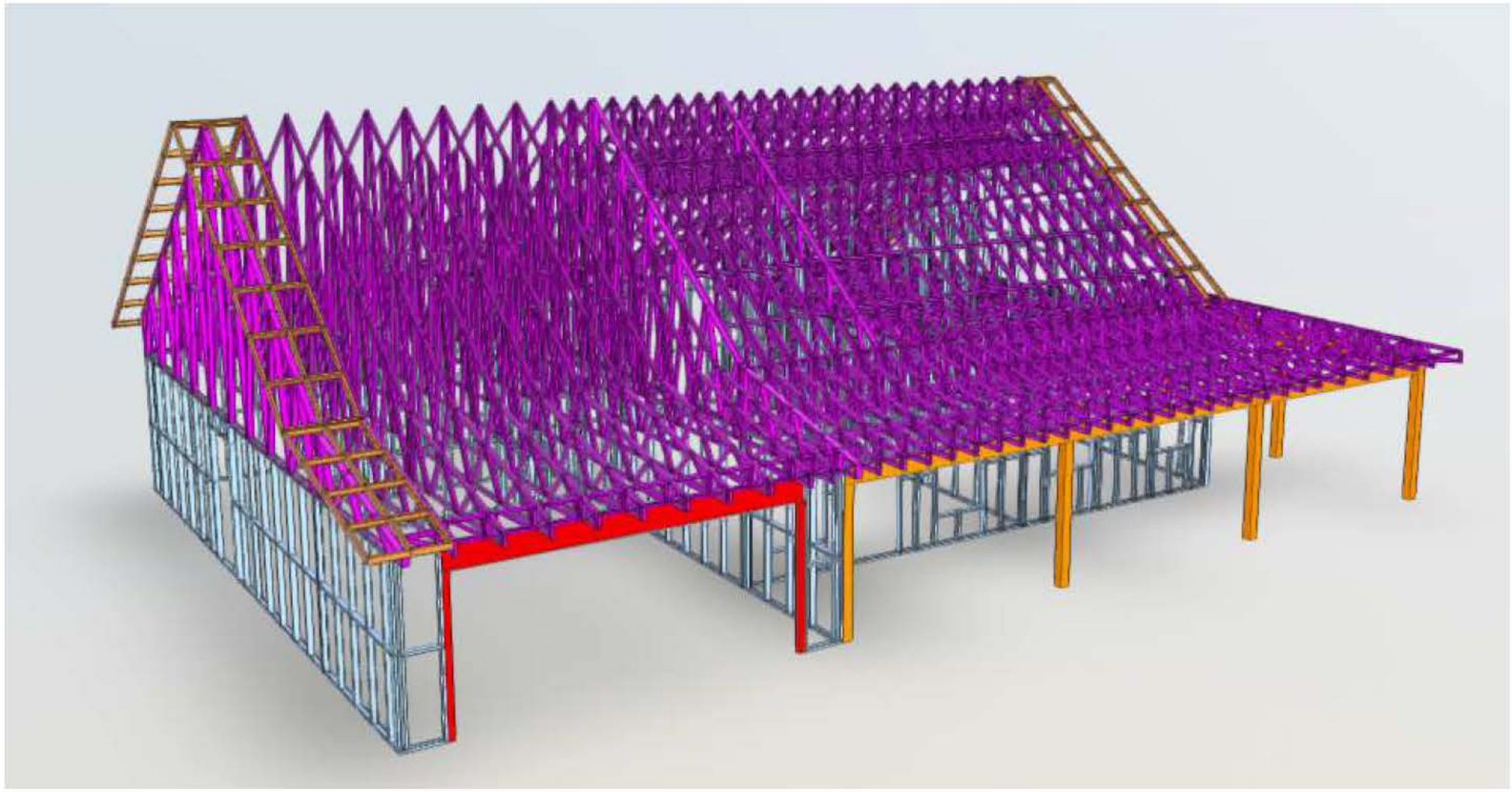
STEEL BUILDING USA

SBUSA SAMPLE PROJECT

STRUCTURAL STEEL FRAMING
SYSTEM
Project details modified for confidentiality



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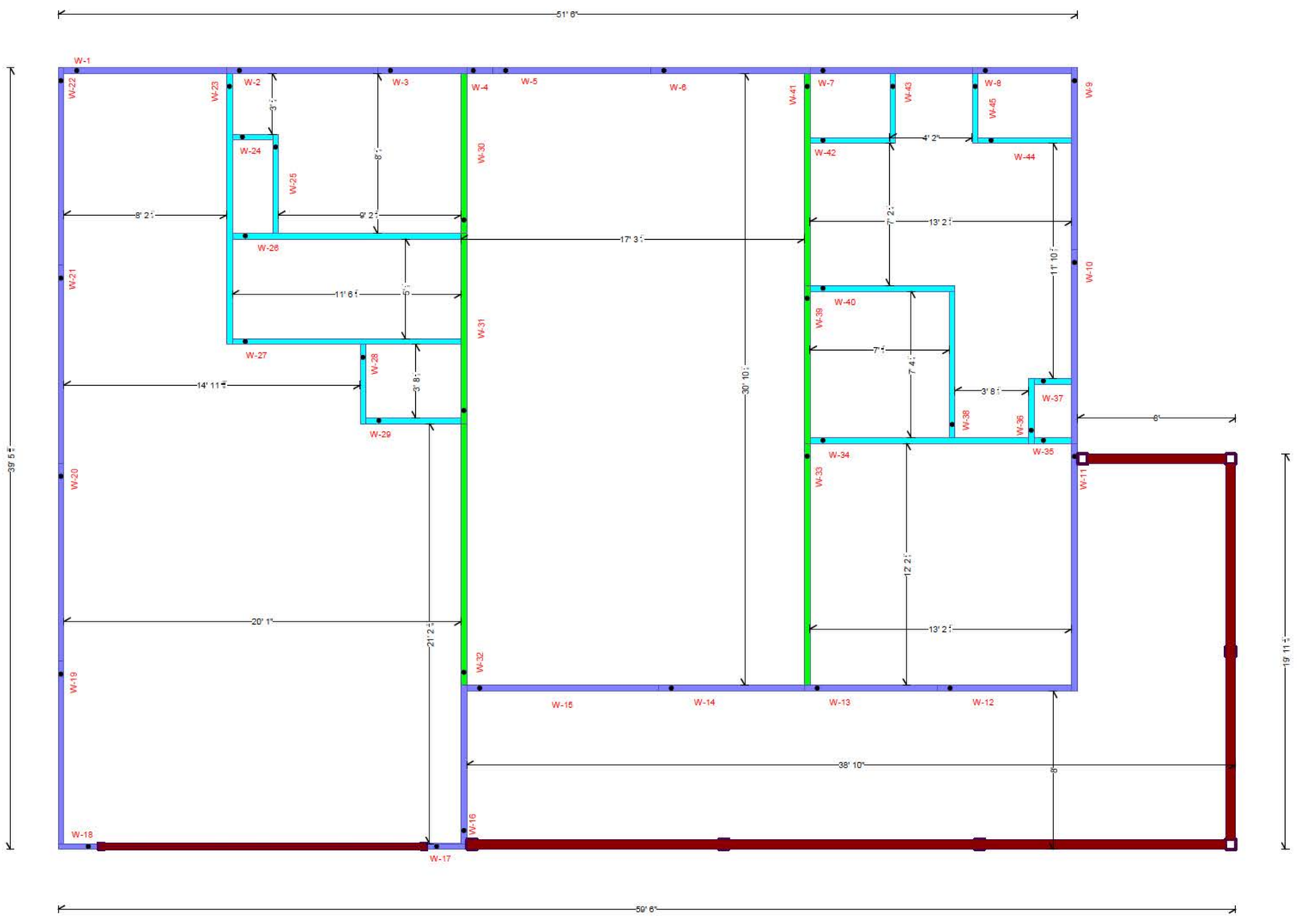
FRAMING LAYOUTS AND ELEVATIONS

LEGENDS

- Load Bearing Walls (C3.5_1.5-18Ga-50Ksi)
- Load Bearing Walls (C3.5_1.5-20Ga-50Ksi)
- Non Load Bearing Walls (C3.5_1.5-20Ga-50Ksi)
- BEAMS AND COLUMNS

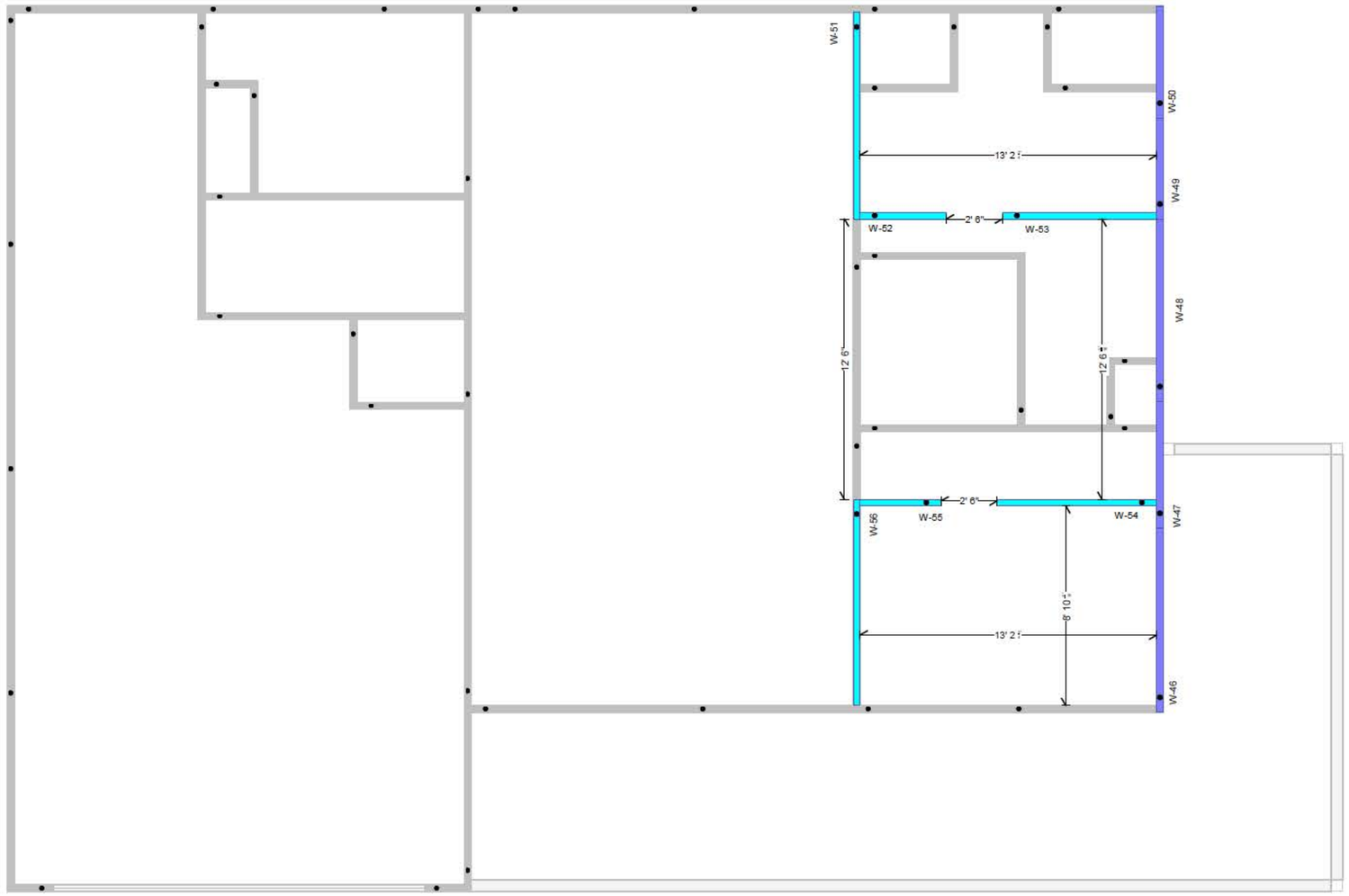


SCOTTSDALE CONSTRUCTION SYSTEMS

Walls L1

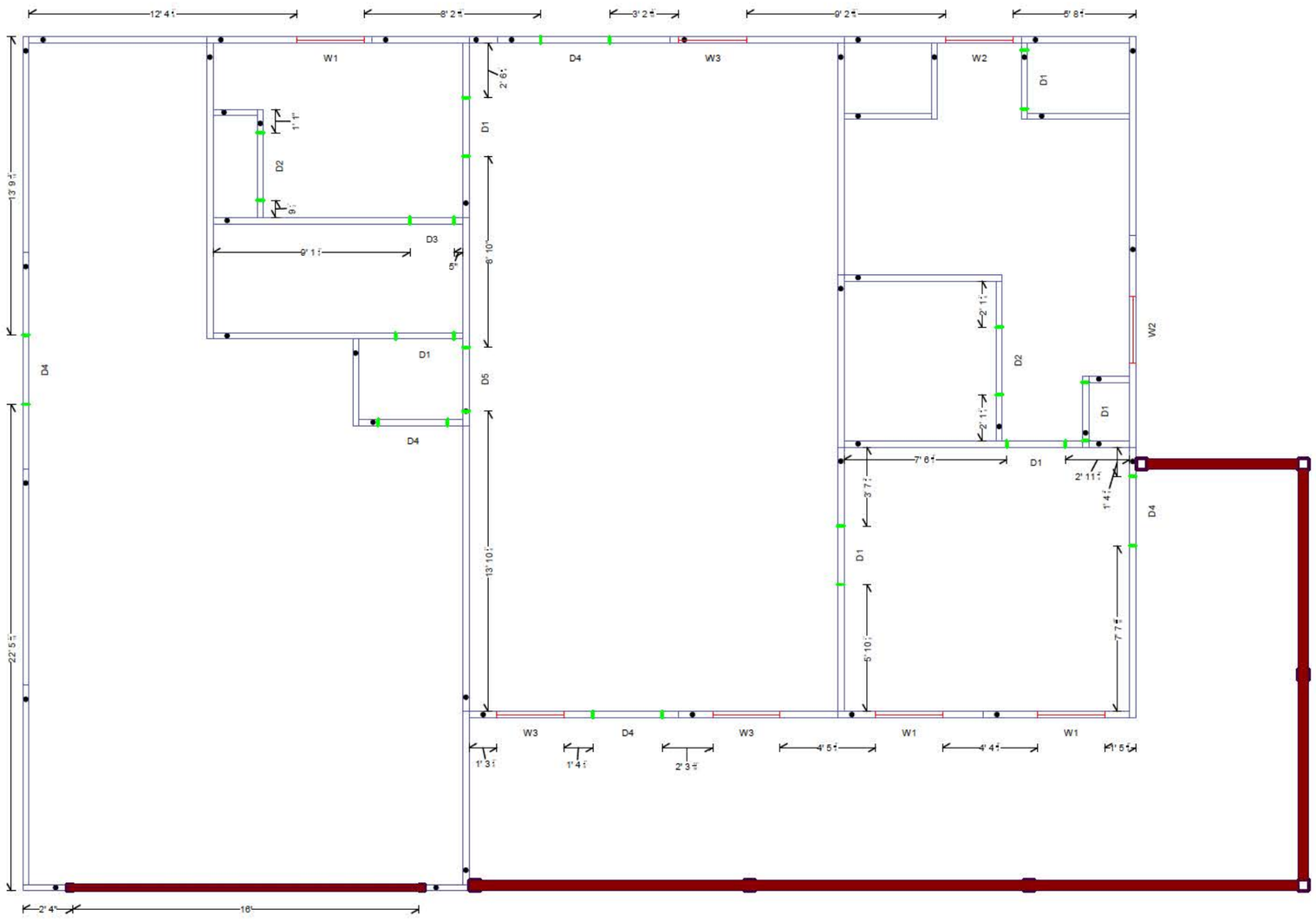
LEGENDS

- Load Bearing Walls (C3.5_1.5-1
- Load Bearing Walls (C3.5_1.5-20Ga-50Ksi)
- Non Load Bearing Walls (C3.5_1.5-20Ga-50Ksi)
- BEAMS
- LOWER WALLS

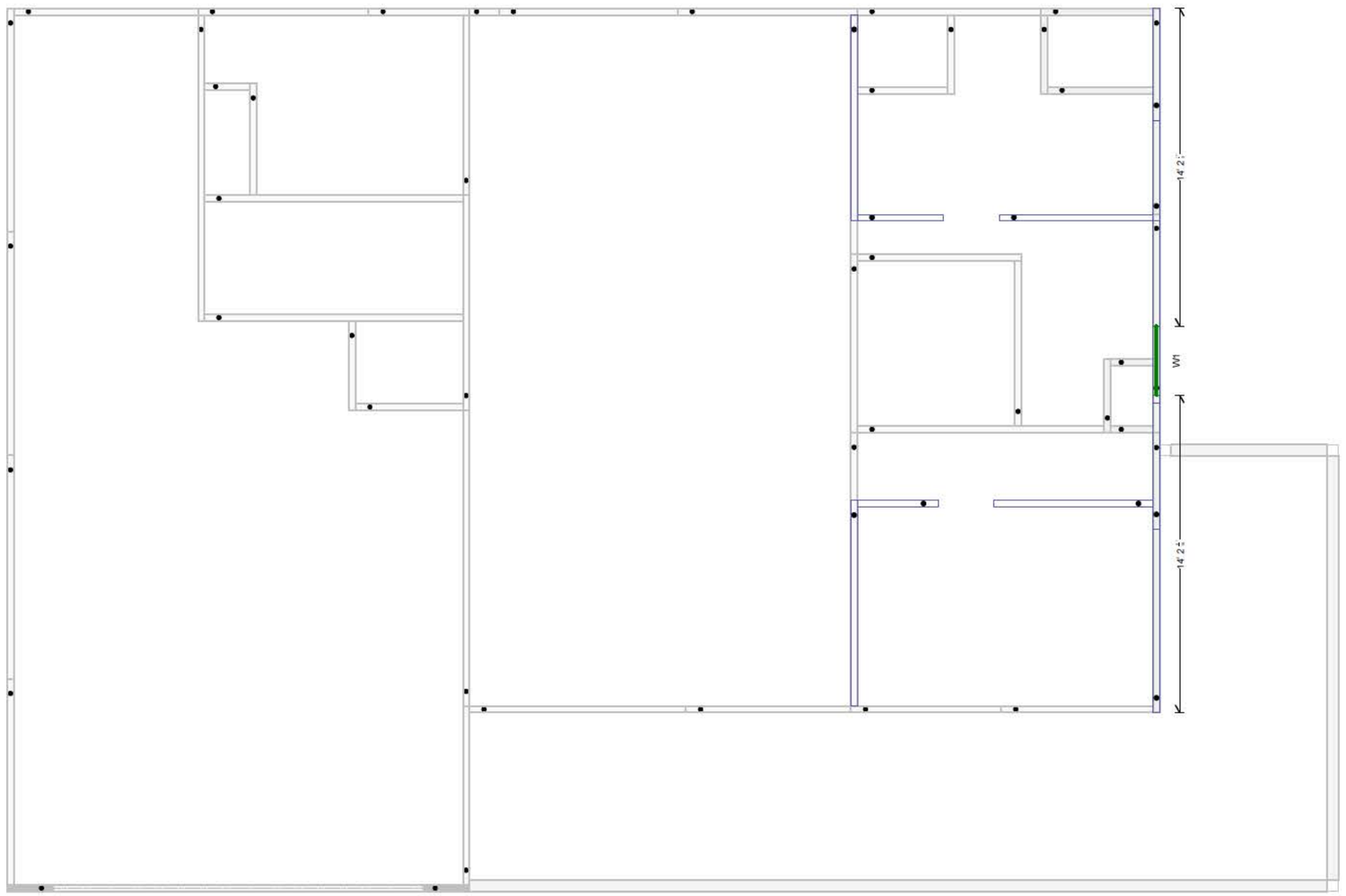


Windows (Level 1)				
Label	Width	Height	Top	Count
W1	3' 1" 1/4	4' 1" 7/8	6' 10" 3/16	3
W2	3' 1" 1/4	4' 1" 7/8	6' 11" 1/2	2
W3	3' 1" 1/4	5' 2" 1/4	6' 10" 3/16	3

Doors (Level 1)			
Label	Width	Height	Count
D1	2' 8" 1/2	6' 10" 1/2	6
D2	3' 1" 1/2	6' 9" 1/2	2
D3	2' 1/2	6' 10" 1/2	1
D4	3' 2" 1/2	6' 11" 1/2	5
D5	2' 11" 1/2	6' 11" 1/2	1



Windows (Level 2)				
Label	Width	Height	Top	Count
W1	3' 1" 1/4	4' 1" 7/8	6' 10" 3/16	1



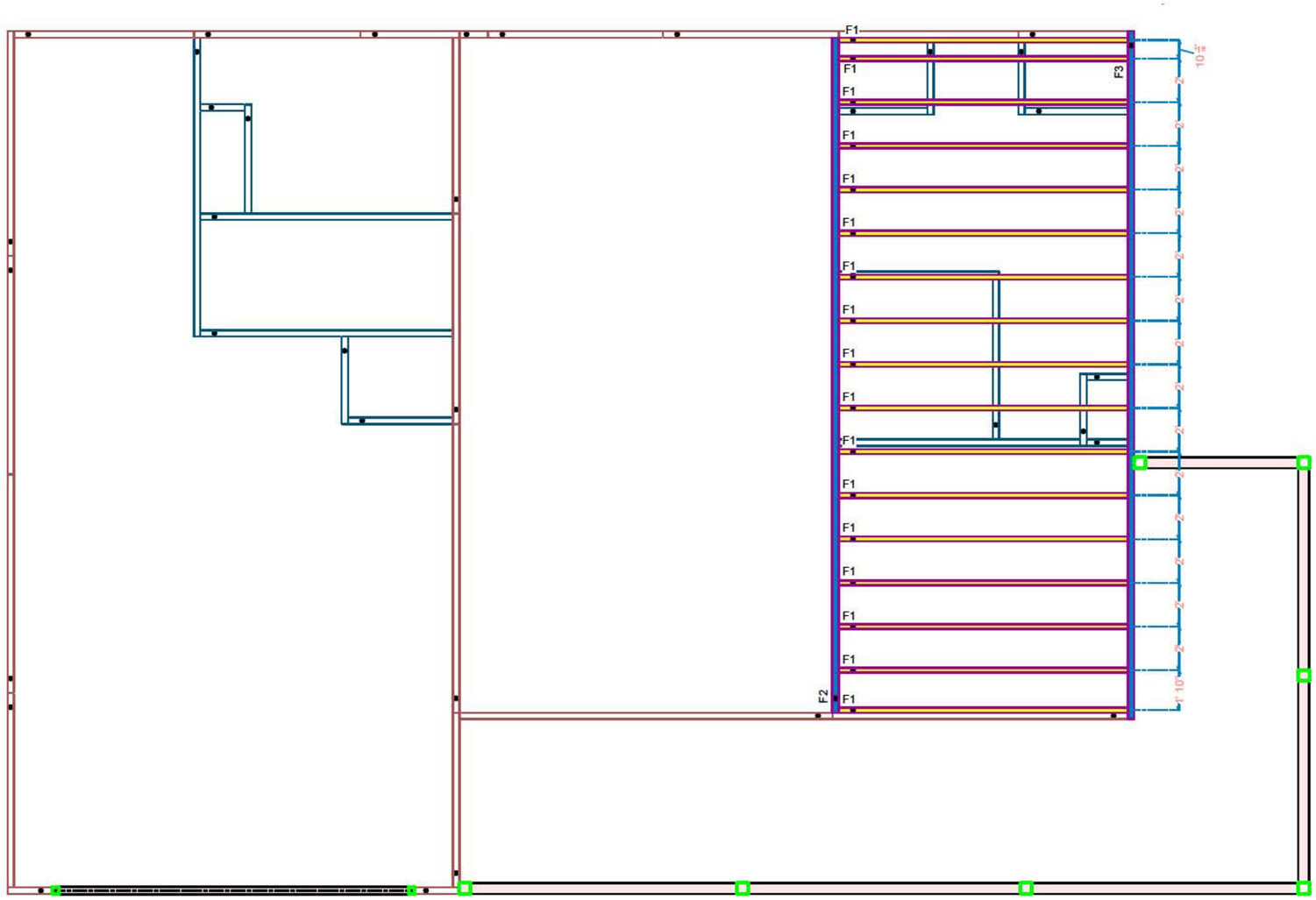
SCOTTSDALE
CONSTRUCTION SYSTEMS

Openings L2

LEGENDS:

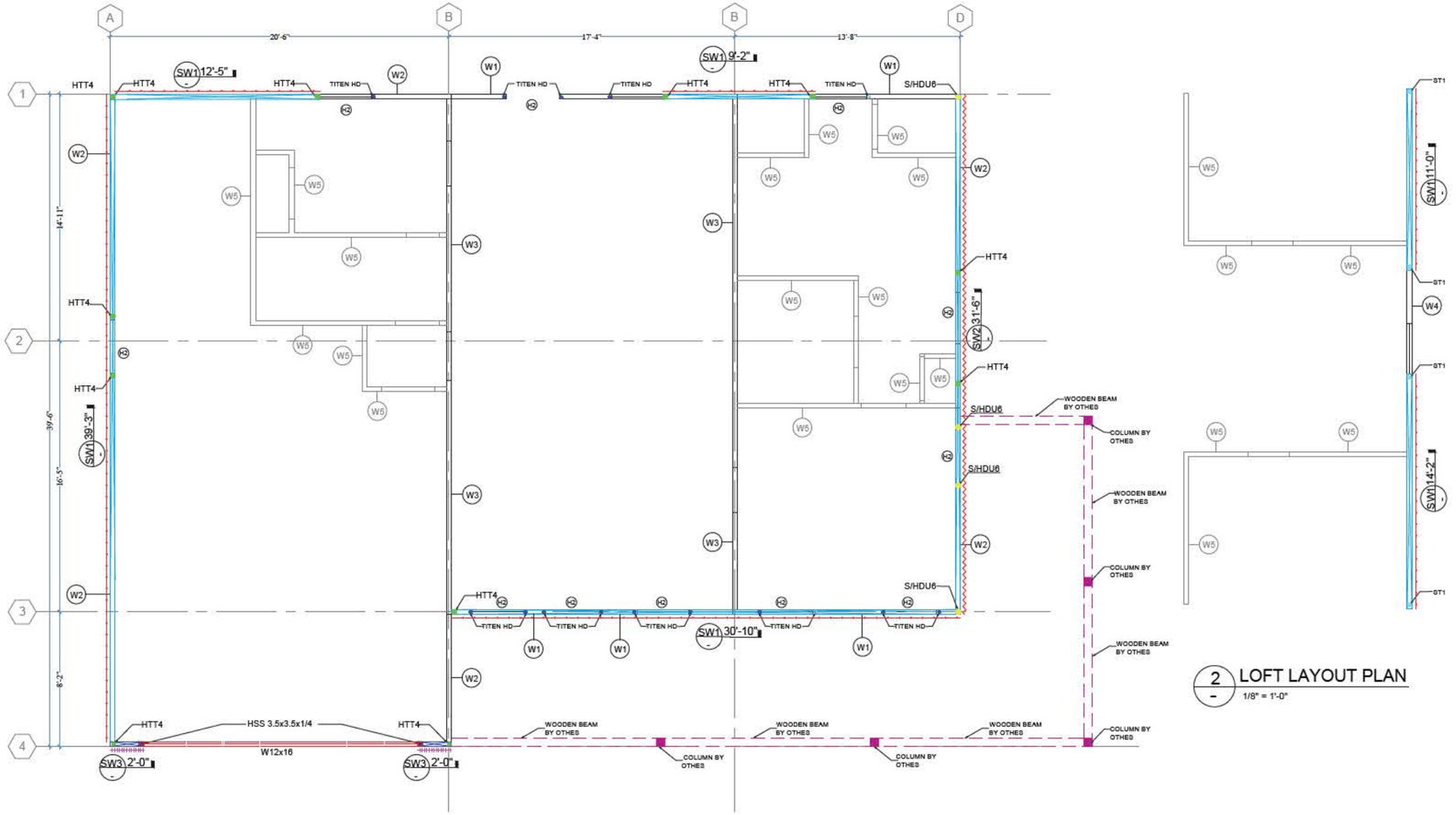
Floor Truss Profile
(H2_1.5-18Ga-50Ksi)

Floor Truss Profile
(C3.5_1.5-18Ga-50Ksi)



SCOTTSDALE
CONSTRUCTION SYSTEMS

FLOOR TRUSSES



1 WALL LAYOUT PLAN
1/8" = 1'-0"

2 LOFT LAYOUT PLAN
1/8" = 1'-0"

LEGENDS

W WALL TYPE X GRID

HOLDOWN SCHEDULE		SCREW TO STUD
HTT4	SIMPSON HTT4 WITH SIMPSON SET -3G W 5/8"Ø F1554 GR.36 ANCHOR THREADED ROD 8 ¼" EMBEDMENT DEPTH INTO 3000 PSI CONCRETE.	(18)#10
S/HDU6	SIMPSON S/HDU6 WITH SIMPSON SET -3G W 5/8"Ø F1554 GR.36 ANCHOR THREADED ROD 8 ¼" EMBEDMENT DEPTH INTO 3000 PSI CONCRETE. AND USE MIN. 1/8" THICK STRAP WITH TITEN HD-5/8" Ø WITH MIN. EMBEDMENT DEPTH OF 4" INTO 3000 PSI CONCRETE MAINTAIN MIN. EDGE DISTANCE OF 10" FROM TOP OF CONCRETE. B2B 43 MILL STUDS ARE REQUIRED.REFER TO DETAIL-14A	(12)#14
	TITEN HD-3/8" Ø WITH MINIMUM EMBEDMENT DEPTH OF 2.5" WHERE SPECIFIED AND USE @ 24" O.C FOR ALL LOAD BEARING WALLS AND INSTALL MINIMUM 2 PER PANNEL.	
ST1	MIN.2" WIDE 18GA 50KSI HOLDOWN STRAP SIDES WITH 10#10 SCREWS AT EACH END	

SHEAR WALL

SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 6" EDGE / 12" FIELD INSTALLED ON ONE SIDE

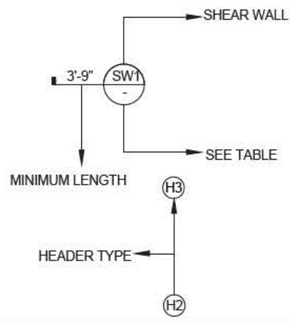
SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 4" EDGE / 12" FIELD INSTALLED ON ONE SIDE

SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 2" EDGE / 12" FIELD INSTALLED ON ONE SIDE

WOODEN BEAM

COLUMN BY OTHERS

H2 (4)350NF 150-43



WALL SCHEDULE

MARK	PROFILE	SPACING	BLOCKING	LOCATION	BEARING WAL	SHEAR WALL	HOLDOWN	REMARKS
W1	350NF150-43(50KSI)	1'-4"	4'-0" MAX	EXTERNAL	YES	YES		
W2	350NF150-43(50KSI)	2'-0"	4'-0" MAX	EXTERNAL	YES	YES		
W3	350NF150-33(50KSI)	2'-0"	4'-0" MAX	INTERNAL	YES	NO		
W4	(2)350NF150-43(50KSI)	2'-0"	4'-0" MAX	EXTERNAL WALL	YES	NO		
W5	350NF150-33(50KSI)	2'-0"	4'-0" MAX	INTERNAL WALL	NO	NO		
SW1	350NF150-43(50KSI) (2)350NF150-33(50KSI)	2'-0"	4'-0" MAX	EXTERNAL	YES	YES	HTT4	SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 6" EDGE / 12" FIELD INSTALLED ON ONE SIDE
SW2	350NF150-43(50KSI)	2'-0"	4'-0" MAX	EXTERNAL	YES	YES	S/HDU6	SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 4" EDGE / 12" FIELD INSTALLED ON ONE SIDE
SW3	350NF150-43(50KSI)	2'-0"	4'-0" MAX	EXTERNAL	YES	YES	HTT4	SHEAR WALLS HAVING 7/16" OSB SHEATHING WITH #8 SCREWS @ 2" EDGE / 12" FIELD INSTALLED ON ONE SIDE

NOTES:

1. REFER TO DETAIL 14 FOR HOLDOWN CONNECTION DETAIL.
2. ALL HEADERS ARE WEBBED HEADER U.N.O.
3. REFER TO DETAIL 18 FOR STRONG BACK CONNECTION DETAIL.
4. REFER TO DETAIL 13 FOR SHEAR WALL HOLDOWN STRAP CONNECTION DETAIL.
5. FOUNDATION DETAILS BY OTHERS
6. EXTERIOR WALL STUDS (@UTILITY AND BEDROOM 2) ARE 350NF150-43_50KSI @ 24" O.C. PROVIDE (2)350NF150-43 @ 24" O.C UPTO 4FT WALL LENGTH FROM BUILDING CORNERS.
7. EXTERIOR WALL STUDS (@GABLE ENDS L1) ARE 350NF150-43_50KSI @ 24" O.C. PROVIDE (2)350NF150-43 @ 24" O.C UPTO 4FT WALL LENGTH FROM BUILDING CORNERS.

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SBUSA SAMPLE PROJECT

STRUCTURAL STEEL FRAMING SYSTEM

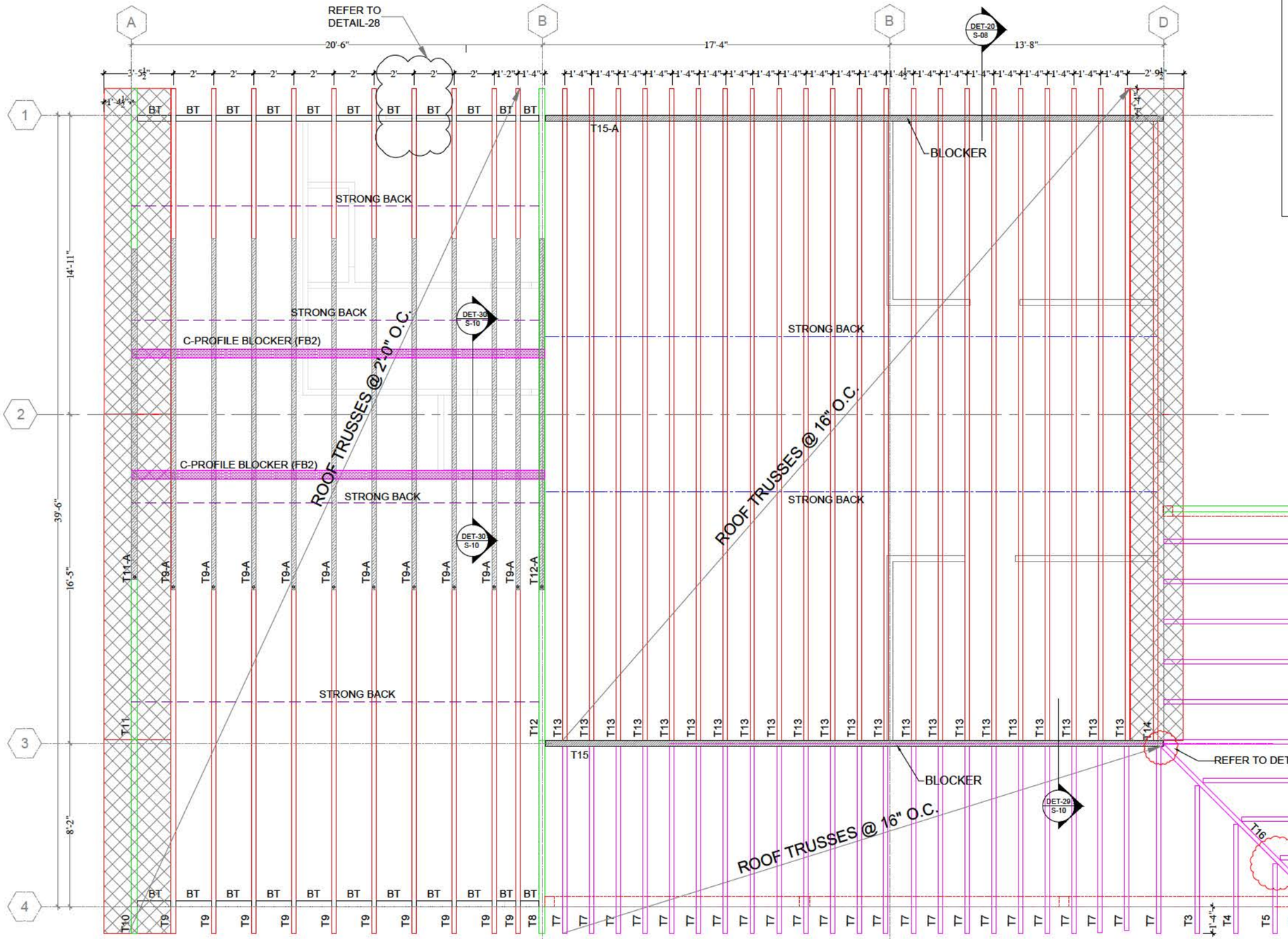
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

WALL LAYOUT PLAN

SHEET NO:

S-02



3 ROOF TRUSSES LAYOUT PLAN

3/16"=1'-0"

LEGENDS

- ROOF TRUSS H2_1.5-18GA(50KSI)
- ROOF TRUSS H2_1.5-20GA(50KSI)
- ROOF TRUSS C3.5_1.5-43(50KSI)
- ROOF PANEL C3.5_1.5-43(50KSI)
- BLOCKING TRUSS C3.5_1.5-43(50KSI)
- PIGGY BACK TRUSS H2_1.5-18Ga(50KSI)

NOTES:-

A. DESIGN WIND SPEED 160 MPH, EXP C.
B. ROOF TRUSSES WITH MAXIMUM TRUSS SPACING OF 2' O.C AS PER ENGINEERED SHOP DRAWINGS.
C. TRUSS JOINT CONNECTIONS TO BE AS PER ENGINEERED SHOP DRAWINGS.
E. ROOF SHEATHING - 7/16"OSB SHEATHING WITH MIN. #8 SCREWS @ 6" O.C ALONG SUPPORTED PANEL EDGES AND WHERE NOTED ON PLANS OR DETAILS AND MIN. #8 SCREWS @ 6" O.C ALONG INTERMEDIATE FRAMING MEMBERS.

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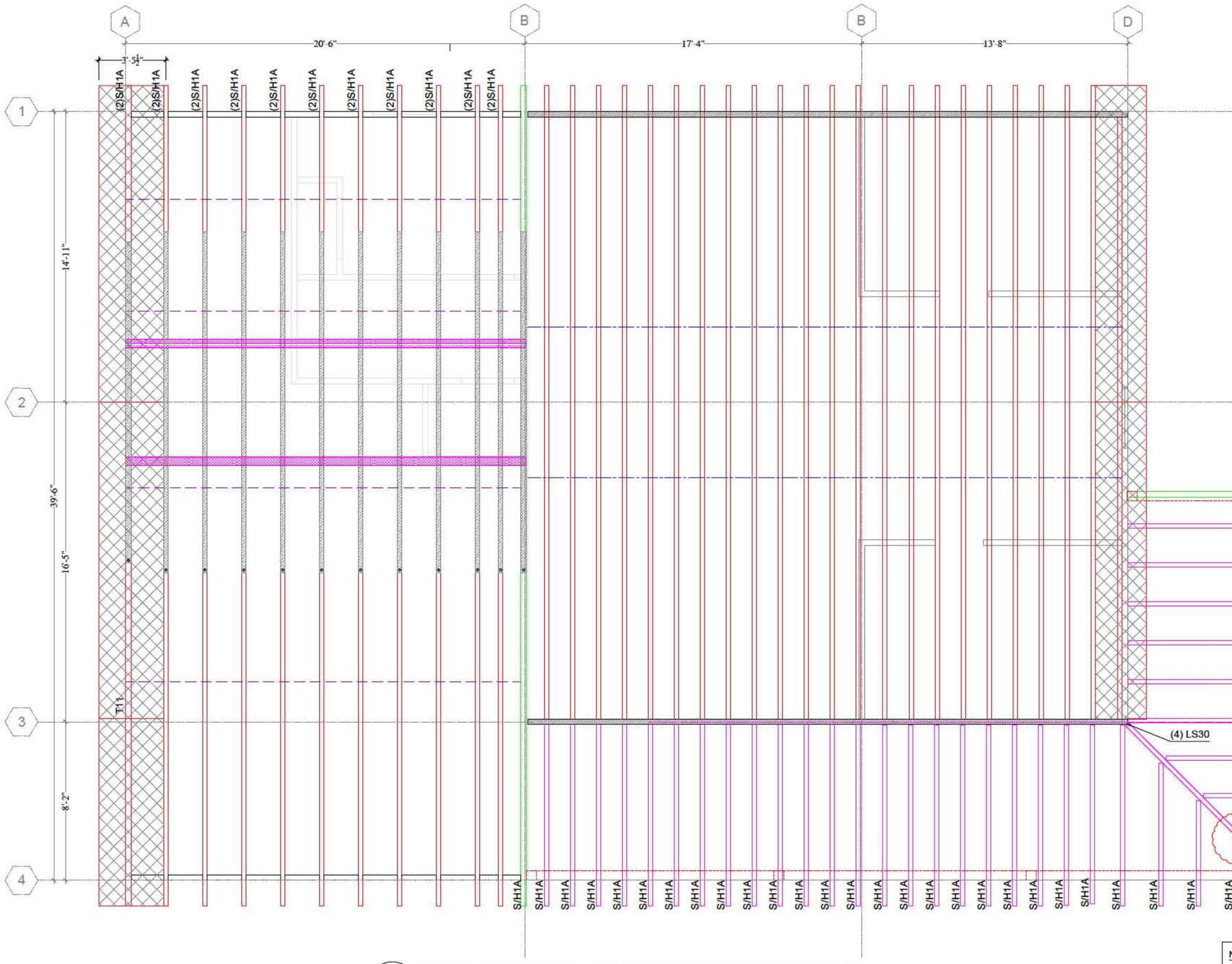
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

ROOF TRUSSES LAYOUT PLAN

SHEET NO:

S-04



4 ROOF TRUSSES CONNECTOR LAYOUT PLAN

3/16"=1'-0"

LEGENDS

- ROOF TRUSS H2_1.5-18GA(50KSI)
- ROOF TRUSS H2_1.5-20GA(50KSI)
- ROOF TRUSS C3.5_1.5-43(50KSI)
- ROOF PANEL C3.5_1.5-43(50KSI)
- BLOCKING TRUSS C3.5_1.5-43(50KSI)
- PIGGY BACK TRUSS H2_1.5-18Ga(50KSI)

CONNECTOR FOR TRUSSES	
NAME	QTY
S/H1A	61
RCA	1
LS30	4

NOTES:-

A. DESIGN WIND SPEED 160 MPH, EXP C.
B. ROOF TRUSSES WITH MAXIMUM TRUSS SPACING OF 2' O.C AS PER ENGINEERED SHOP DRAWINGS.
C. TRUSS JOINT CONNECTIONS TO BE AS PER ENGINEERED SHOP DRAWINGS.
E. ROOF SHEATHING - 7/16"OSB SHEATHING WITH MIN. #8 SCREWS @ 6" O.C ALONG SUPPORTED PANEL EDGES AND WHERE NOTED ON PLANS OR DETAILS AND MIN. #8 SCREWS @ 6" O.C ALONG INTERMEDIATE FRAMING MEMBERS.

SIGNATURE & STAMP :

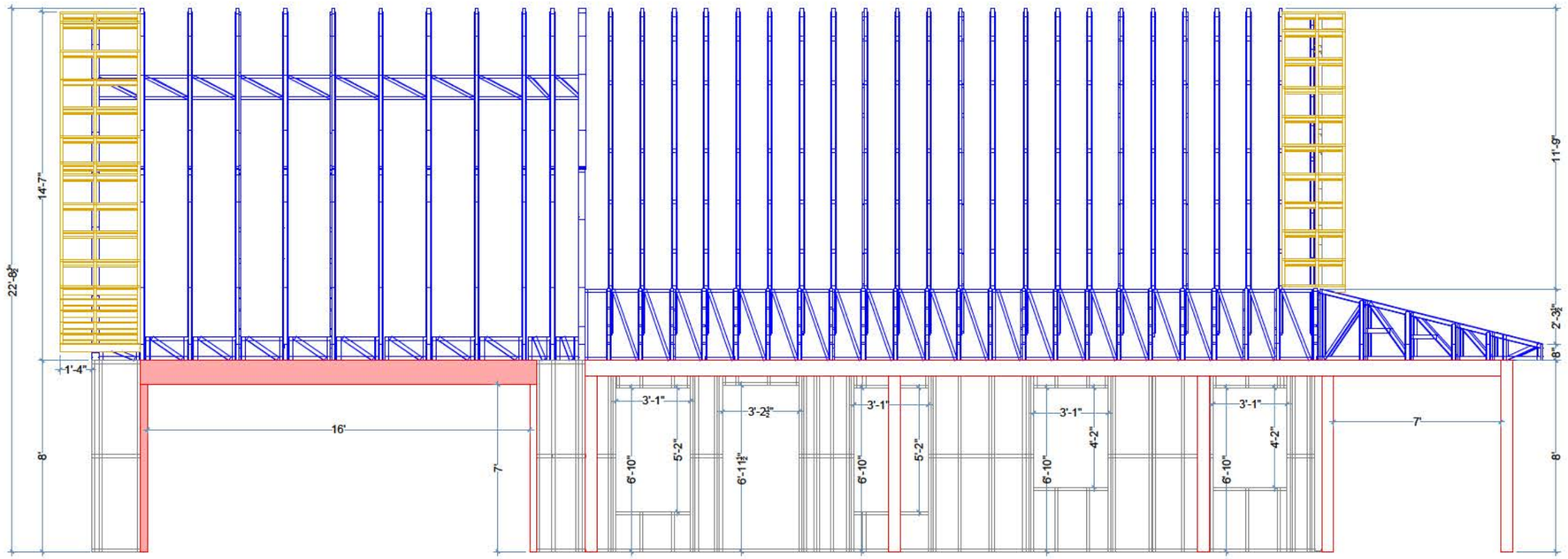
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

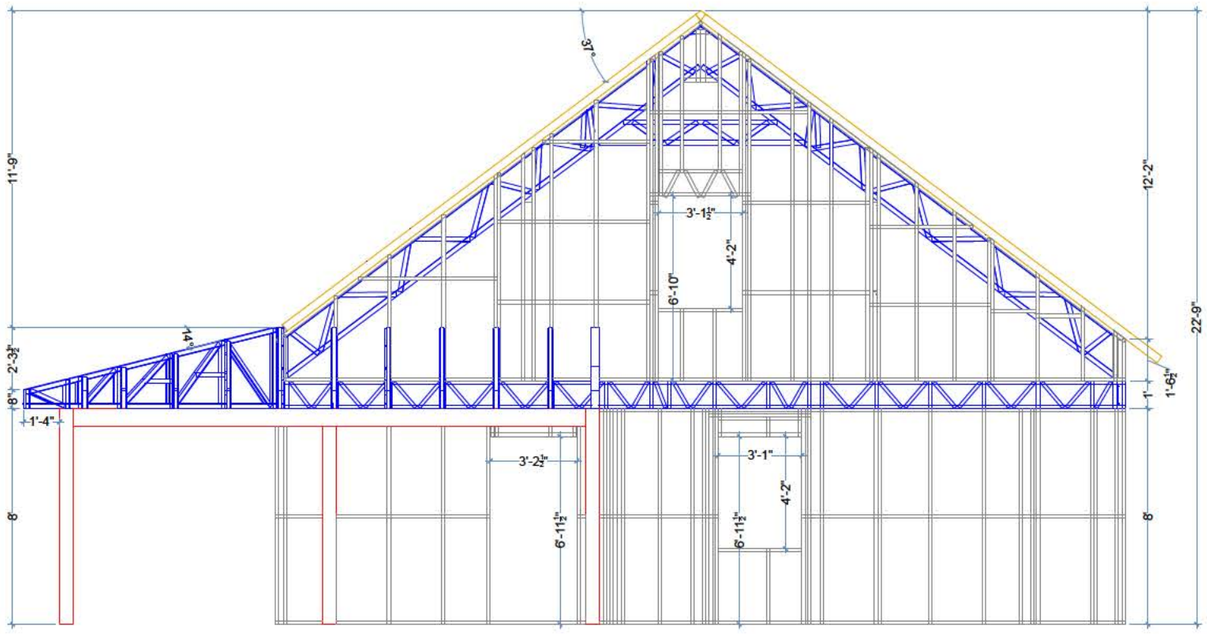
ROOF TRUSSES CONNECTOR LAYOUT PLAN

SHEET NO:

S-4A



1 - FRONT ELEVATION
N.T.S



2 - RIGHT ELEVATION
N.T.S

SIGNATURE & STAMP :

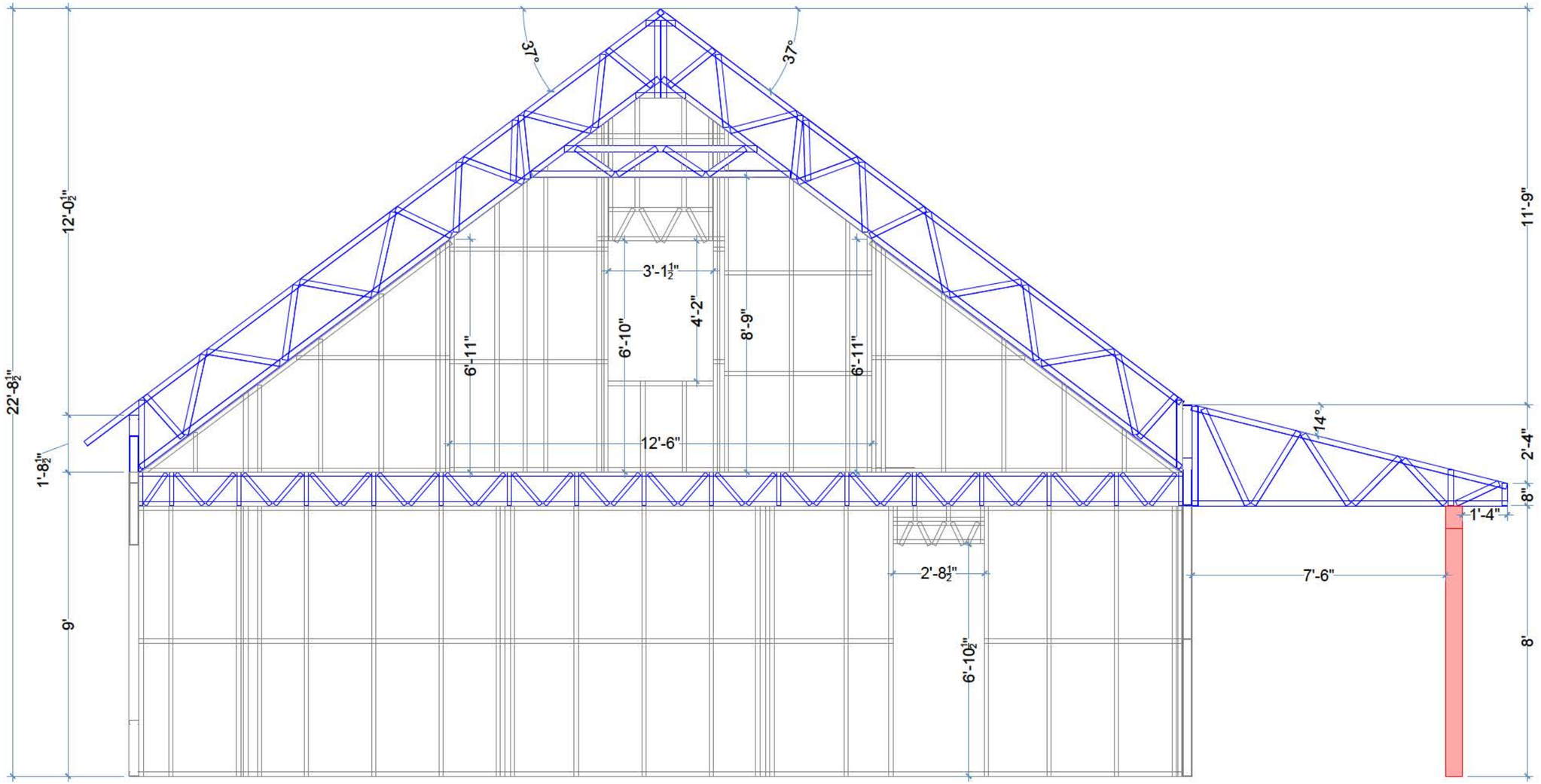
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

ELEVATIONS

SHEET NO:

S-09



1 / - SECTION A-A

N.T.S

SIGNATURE & STAMP :

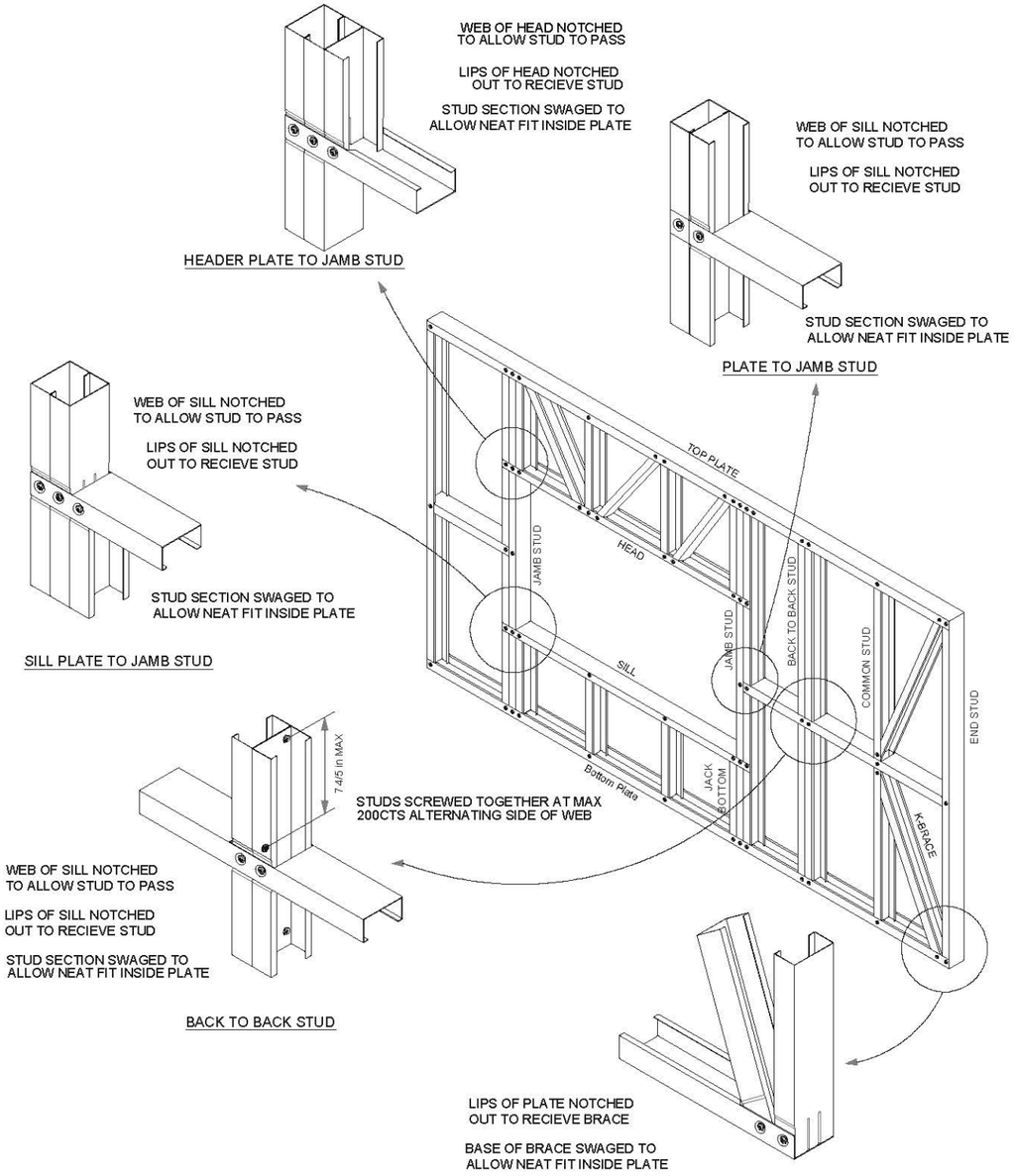
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

SECTION A-A

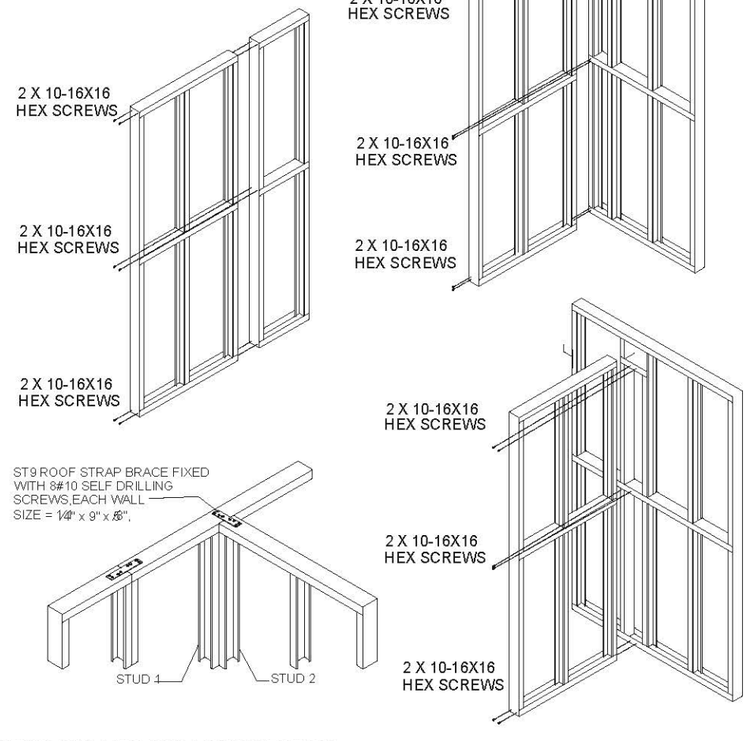
SHEET NO:

S-10

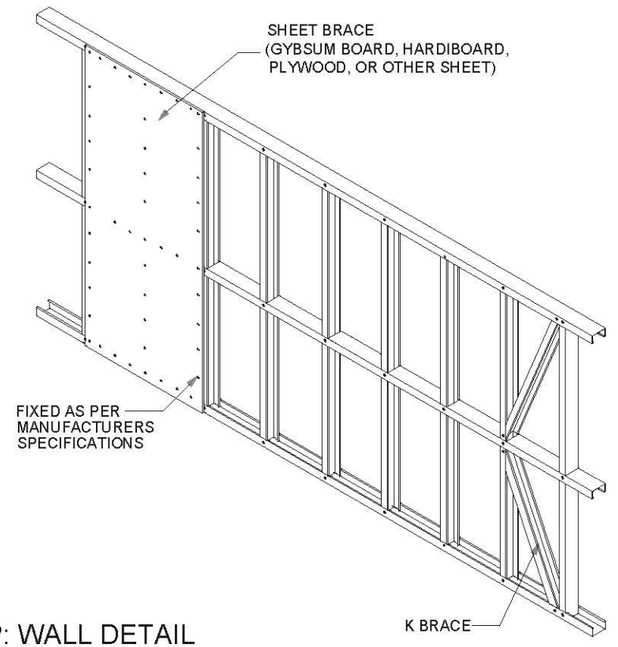


1 TYP: WALL MEMBERS CONNECTION
N.T.S.

IN ALL CASES SHOWN A
MINIMUM 6 X 10-16X16 SCREWS
REQUIRED PER CONNECTION
UNLESS NOTED OTHERWISE



2 TYP: WALL TO WALL CONNECTION
N.T.S.



3 TYP: WALL DETAIL
N.T.S

SIGNATURE & STAMP :

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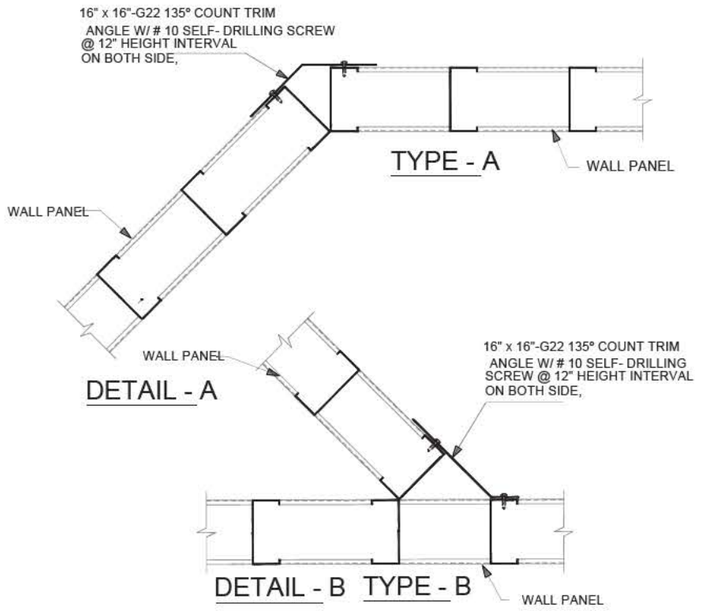
DRAWING TITLE:

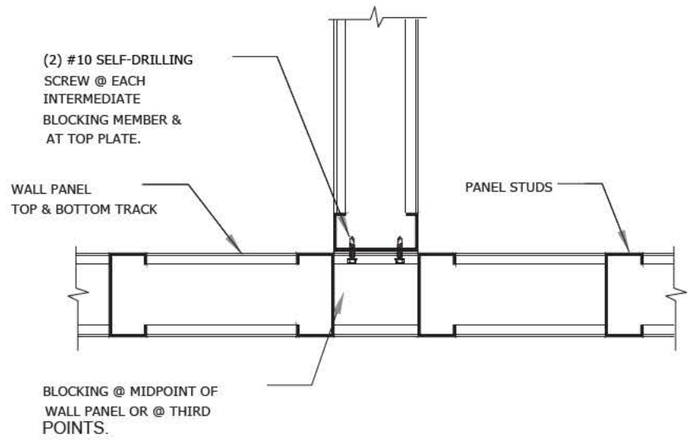
TYPICAL DETAILS-1

SHEET NO:

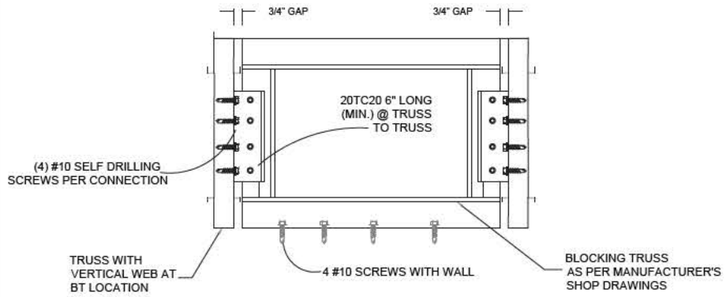
S-05



04 TYP: ANGLED FRAME CONNECTION
N.T.S.



05 TYP. WALL JUNCTION
N.T.S.



06 BLOCKING TRUSS TO ROOF TRUSS CONNECTION
N.T.S.

SIGNATURE & STAMP :

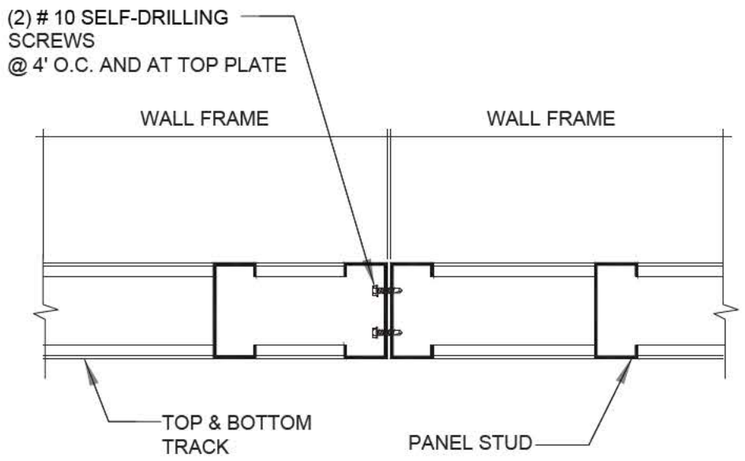
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

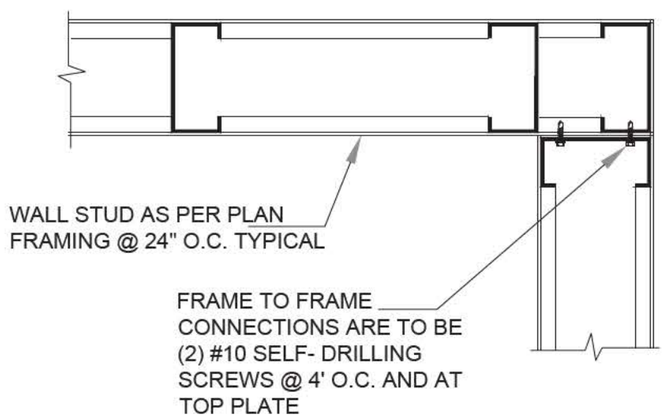
TYPICAL DETAILS-2

SHEET NO:

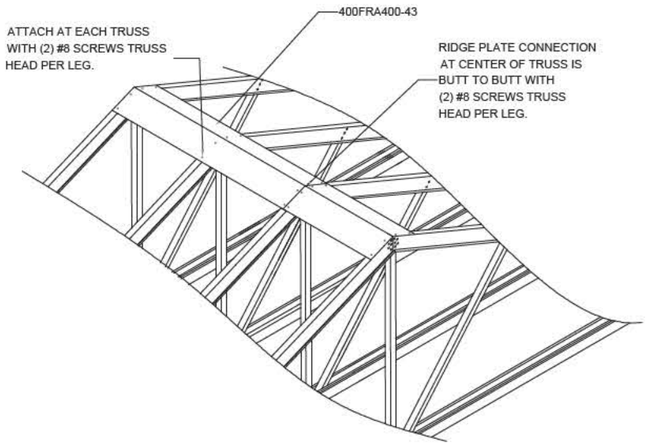
S-06



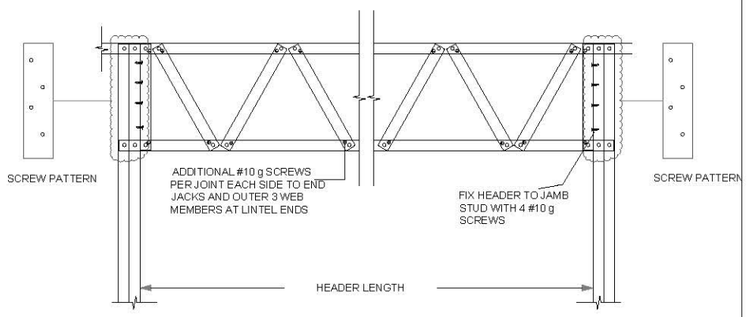
07 TYP.WALL JUNCTION CONNECTION
N.T.S.



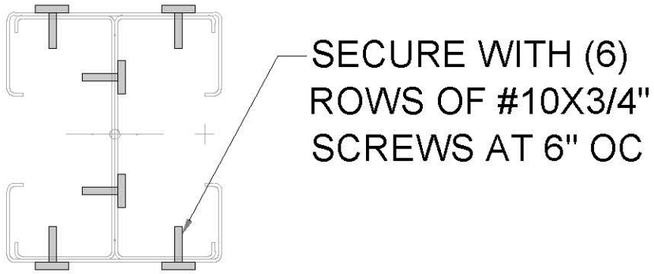
08 TYP. CORNER WALL JUNCTION
N.T.S.



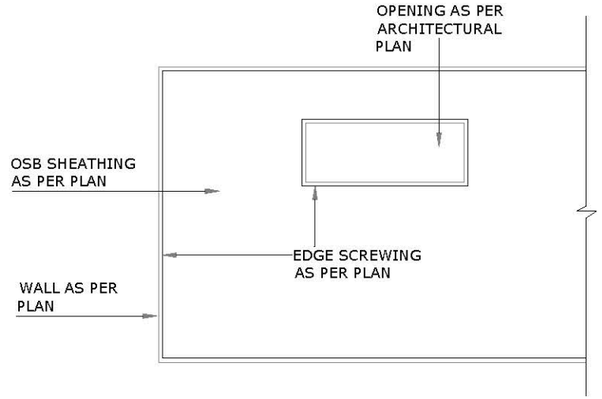
09 TYPICAL RIDGE PLATE



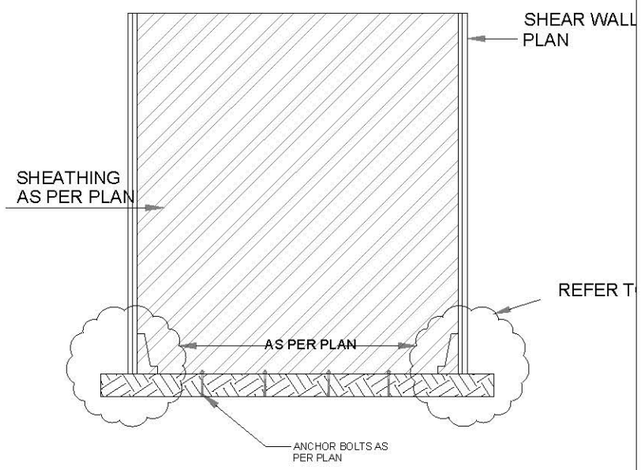
10 TYP. HEADER/ LINTEL HEADER DETAIL-H1
N.T.S.



11 BOXED HEADER - H2
N.T.S.

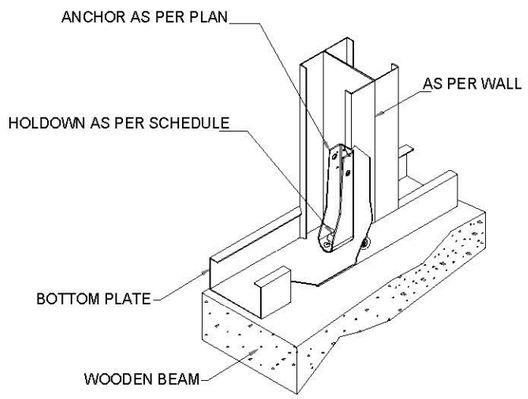


12 TYP: SCREW DETAIL FOR OPENING IN SHEAR WALL

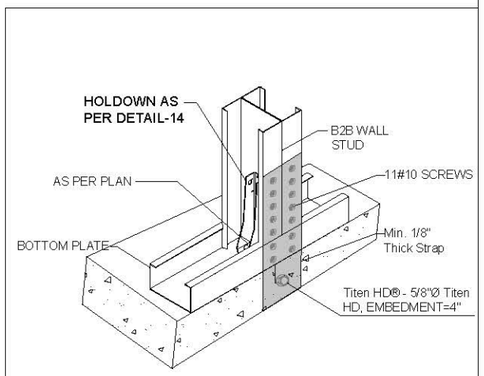


13 TYP: SHEAR WALL HOLDOWN CONNEC

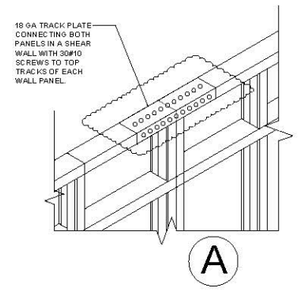
HOLDOWN SCHEDULE		SCREW TO STUD
HTT4	SIMPSON HTT4 HOLDOWN WITH SIMPSON PAB5H-XX WITH MIN.7⅛ EMBEDMENT INTO 3000PSI CONCRETE.ANCHOR ROD TO BE PRE-INSTALLED INTO THE CONCRETE.MIN.4" EDGE DISTANCE REQUIRED.	(18)#10
S/HDU6	SIMPSON S/HDU6 HOLDOWN WITH SIMPSON PAB5H-XX WITH MIN.7⅛ EMBEDMENT INTO 3000PSI CONCRETE.ANCHOR ROD TO BE PRE-INSTALLED INTO THE CONCRETE.B2B 43 MILL STUDS ARE REQUIRED.MIN.4" EDGE DISTANCE REQUIRED.	(12)#14



14 TYP.HOLDOWN CONNECTION
N.T.S.



14A TYP.HOLDOWN STRAP CONNECTION
N.T.S.



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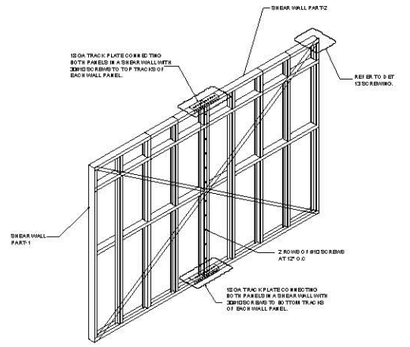


15 SPLICING DETAIL FOR CONNECTION BETWEEEN TWO WALL PANLES IN SAME SHEAR WALL

SIGNATURE & STAMP :

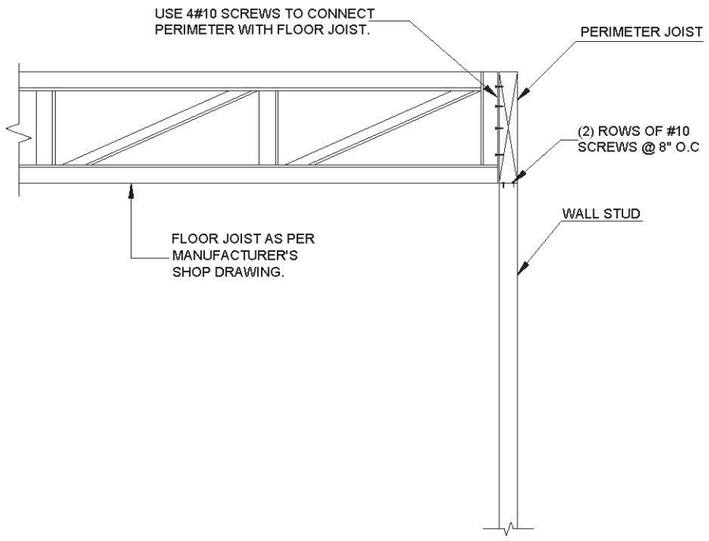
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

TYPICAL DETAILS-3

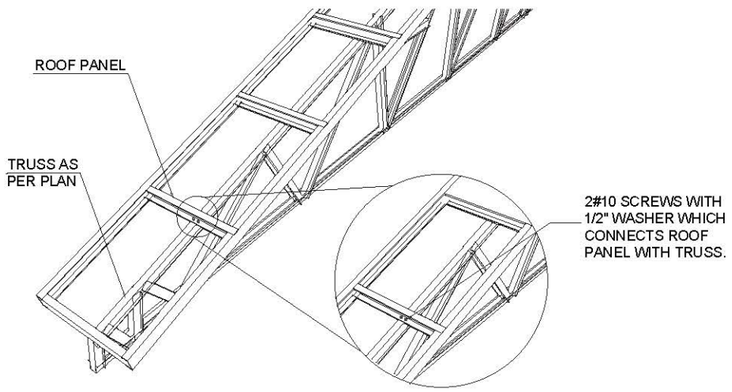
SHEET NO:

S-07

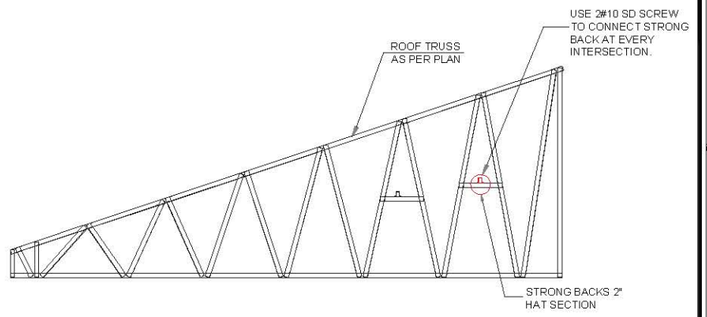


16 FLOOR JOIST TO WALL CONNECTION DETAIL
N.T.S.

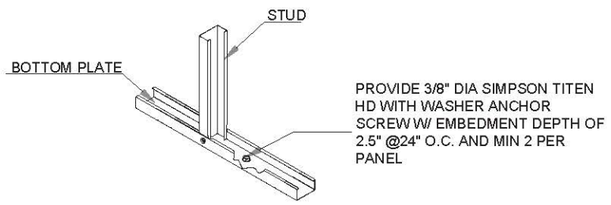
NOTE:
1. USE 2#10 SCREWS WITH 1 2" WASHER WHERE ROOF PANEL MEMBER IS PERPENDICULAR TO TRUSS.
2. USE 2#10 SCREWS @ 12" O.C WHERE ROOF PANEL MEMBER IS PARALLEL TO THE TRUSS.



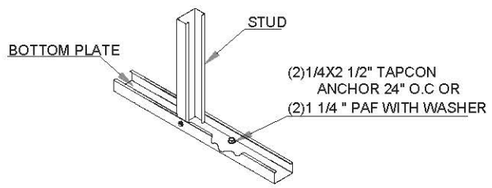
17 ROOF PANEL TO ROOF TRUSS CONNECTION
N.T.S



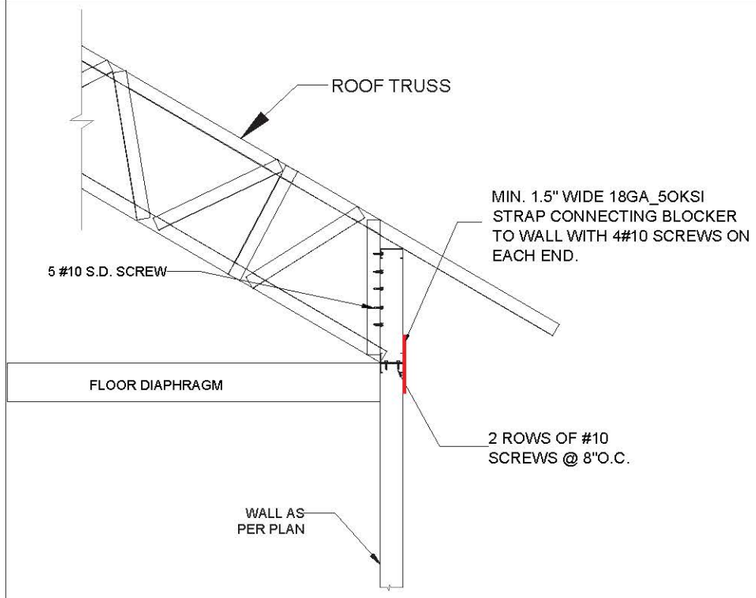
18 TYPICAL STRONG BACKS DETAILS



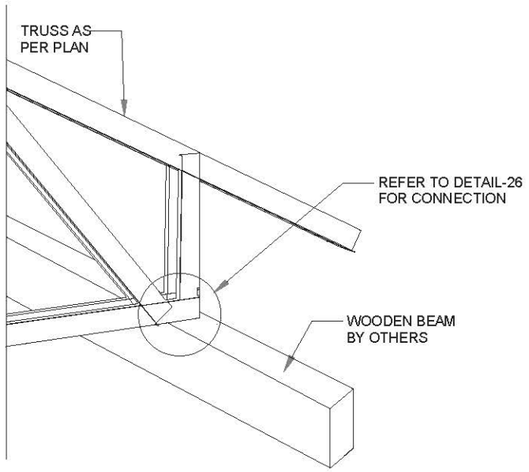
19A TYP:LOAD BEARING WALL HOLD DOWN



19B TYP:NON LOAD BEARING WALL HOLD DOWN



20 TYP: WALL TO ROOF TRUSS CONNECTION
N.T.S.



21 TYP: TRUSS TO WOODEN BEAM CONNECTION

SIGNATURE & STAMP :

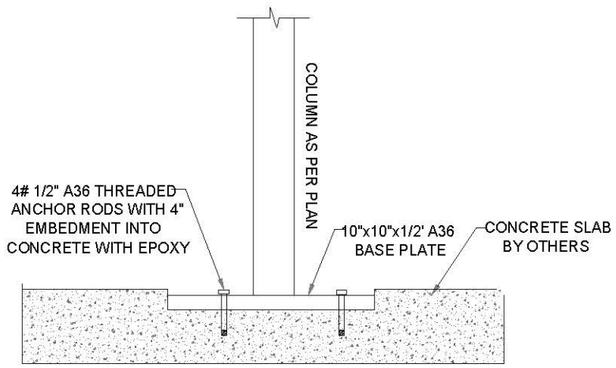
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

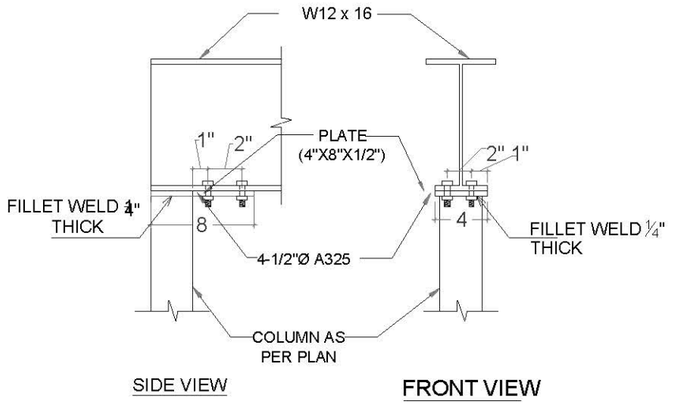
TYPICAL DETAILS-4

SHEET NO:

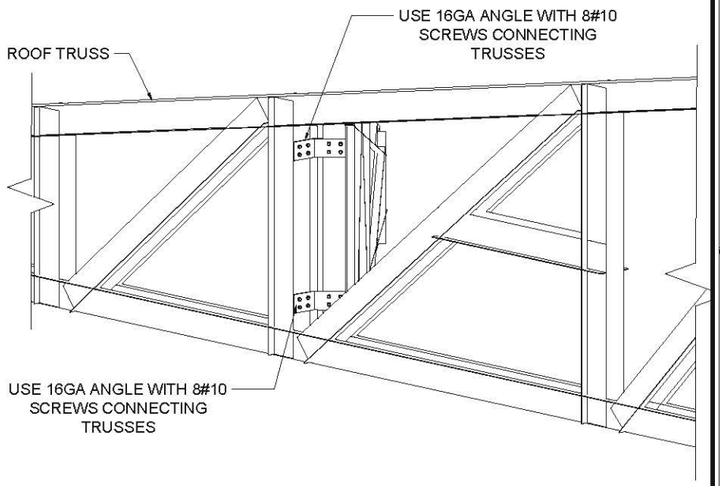
S-08



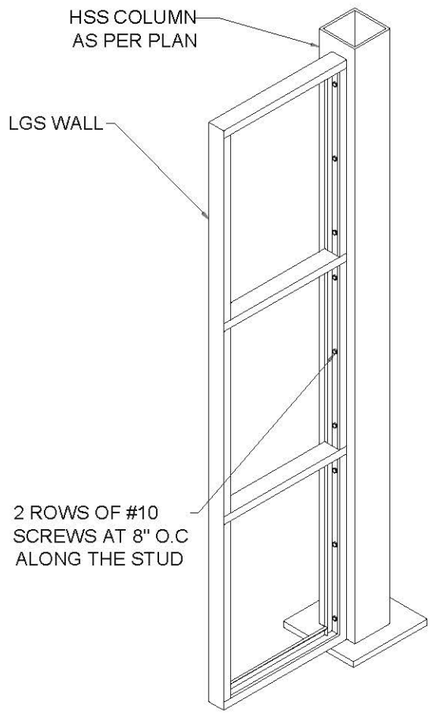
22 TYP: COLUMN BASE PLATE CONNECTION



23 TYP: W 12x16 TO HSS COLUMN CONNECTION



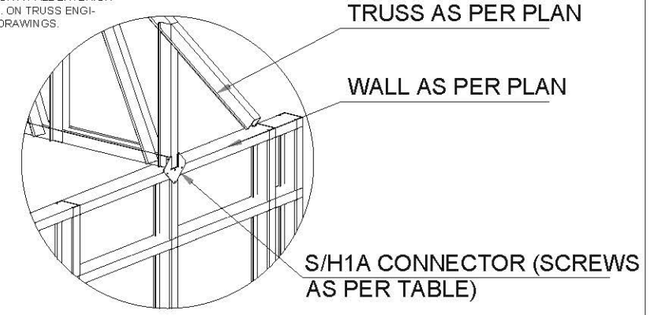
24 TYP:JACK TRUSS CONNECTION DETAIL



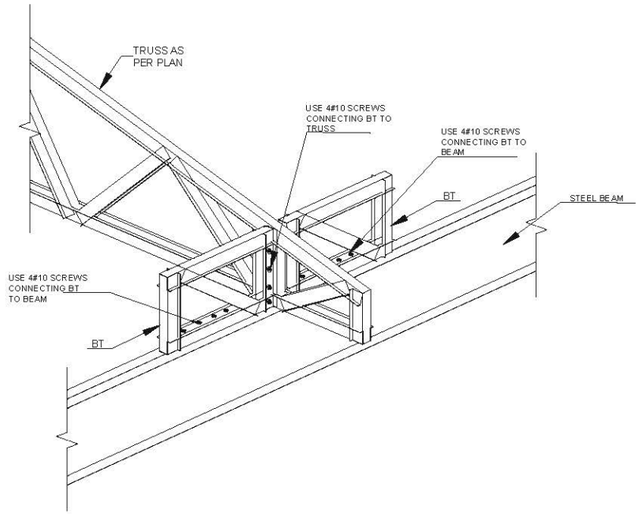
25 TYP.COLUMN TO WALL CONNECTION
N.T.S.

MODEL NO.	FASTENERS			TRUSS THICKNESS MIL(GA)	ALLOWABLE UPLIFT LOAD (LB.)			CODE REF.
	TRUSS	TOP TRACK	STUD		PLATE/WALL STUD THICKNESS MIL (GA)			
					33 MIL(20 GA)	43 MIL(18GA)	54 MIL(16GA)	
S/H1A	(4) #10	(3) #10	(1) #10	33 (20)	510	550	690	IBC, FL,LA
	(4) #10	(3) #10	(1) #10	43 (18)	510	550	690	

NOTE:
USE 1 CONNECTOR AT ALL EXTERIOR BEARINGS U.N.O. ON TRUSS ENGI-NEERING SHOP DRAWINGS.



26 TYP:TRUSS TO WALL ANCHORAGE DETAIL



27 TRUSS TO STEEL BEAM CONNECTION

SIGNATURE & STAMP :

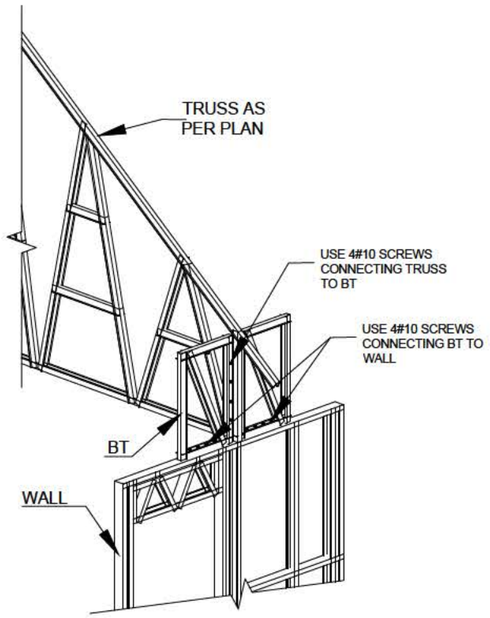
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

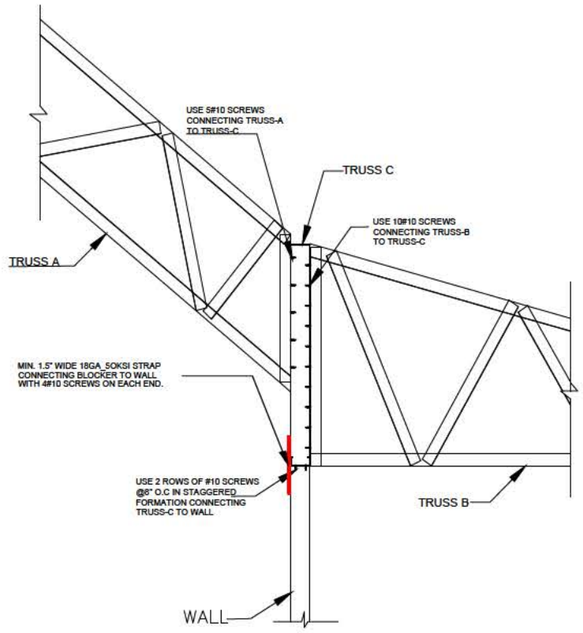
TYPICAL DETAILS-5

SHEET NO:

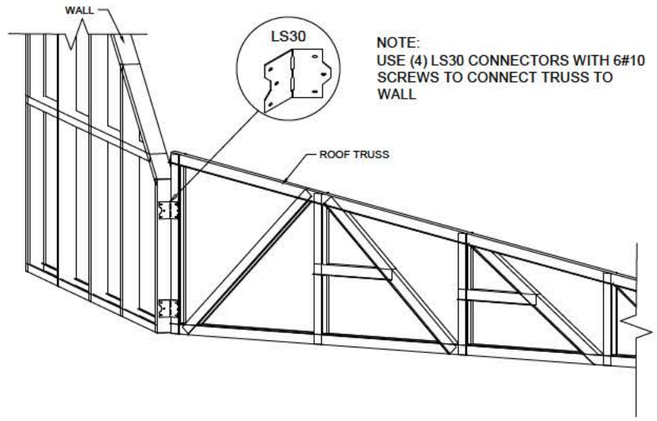
S-09



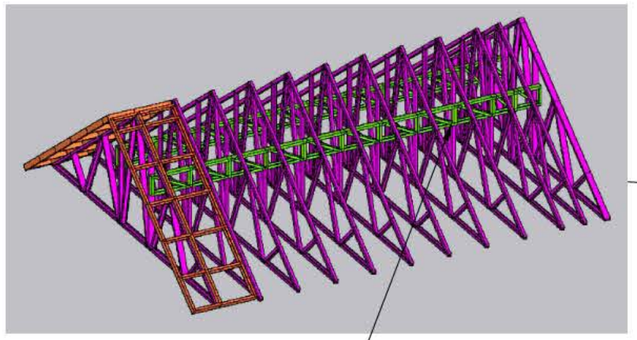
28 TRUSS TO BT CONNECTION DETAIL
N.T.S

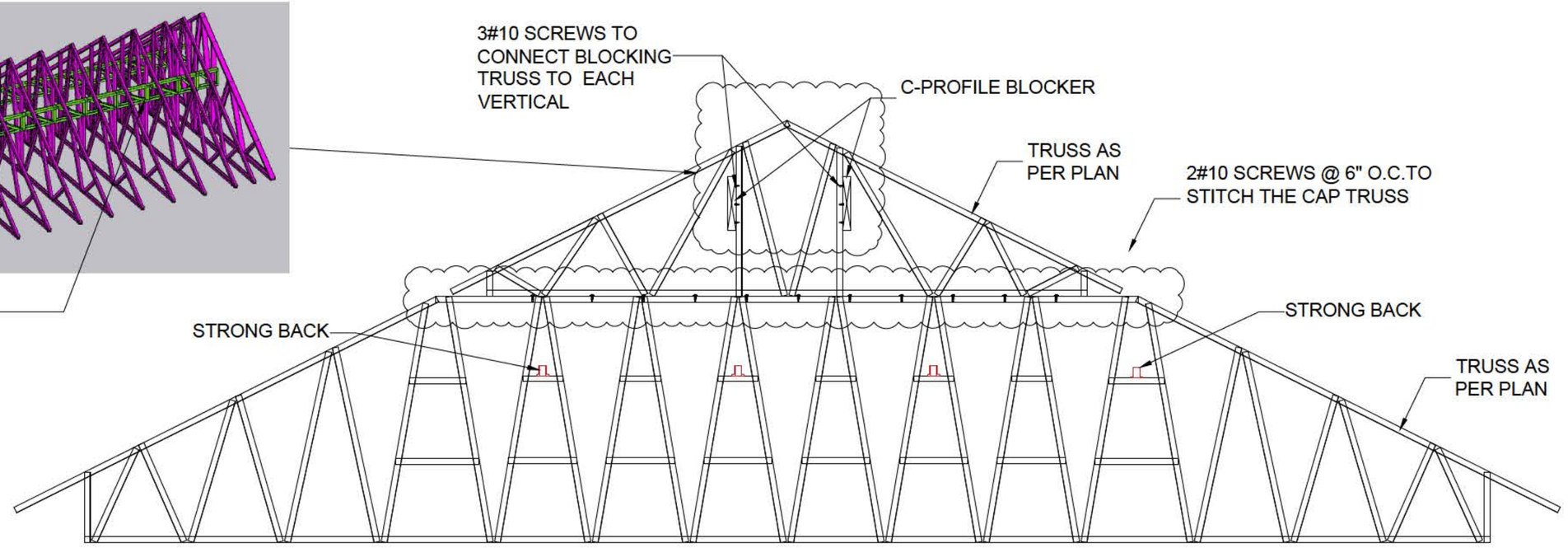


29 TRUSS TO TRUSS CONNECTION



29A TYP:ANGLED TRUSS TO WALL CONNECTION





30 TYP: PIGGY BACK CONNECTION
N.T.S.

SIGNATURE & STAMP :

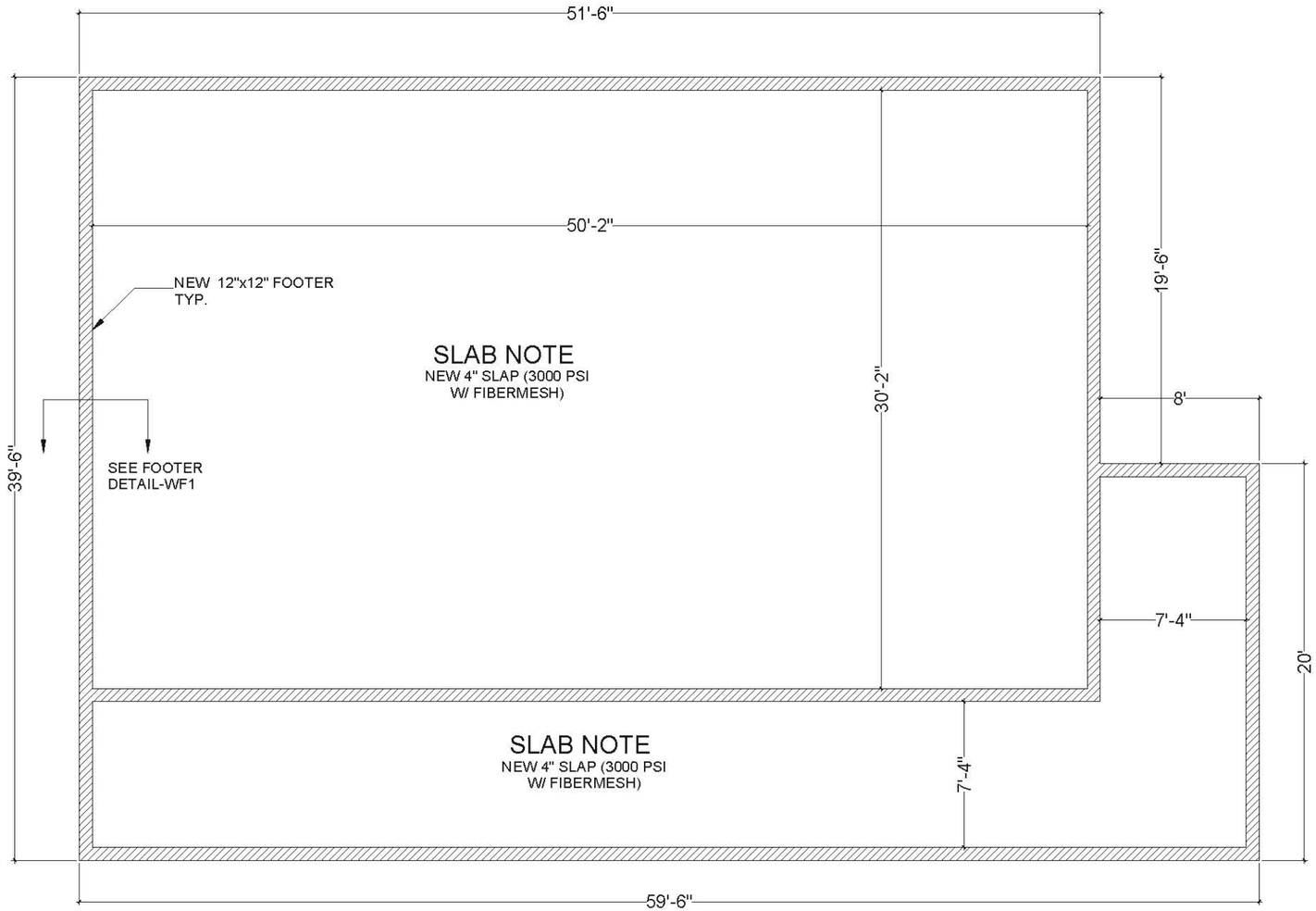
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:

TYPICAL DETAILS-6

SHEET NO:

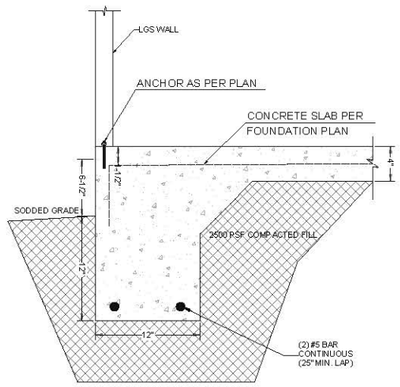
S-10



FOOTING PLAN

LEGENDS

WF-1



WF-1 DETAILS

GENERAL NOTES

CONCRETE:

1. CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. COVERAGE OF THE REINFORCED STEEL:
2. FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:3 INCHES WHERE THE CONCRETE IS POURED AGAINST AND TEMPORARY IN CONTACT WITH THEEARTH OR UNPROTECTED FROM THE EARTH OR WEATHER, OTHERWISE 1-1/2 INCHES.

REINFORCING STEEL:

1. THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
2. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS /FIBER REINFORCEMENT.
3. REINFORCEMENT MAY BE BENT IN THE FIELD OR SHOP AS LONG AS:
   A. IT IS BENT COLD;
   B. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT;
   C. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.

SIGNATURE & STAMP :

ISSUE	DATE	DESCRIPTION

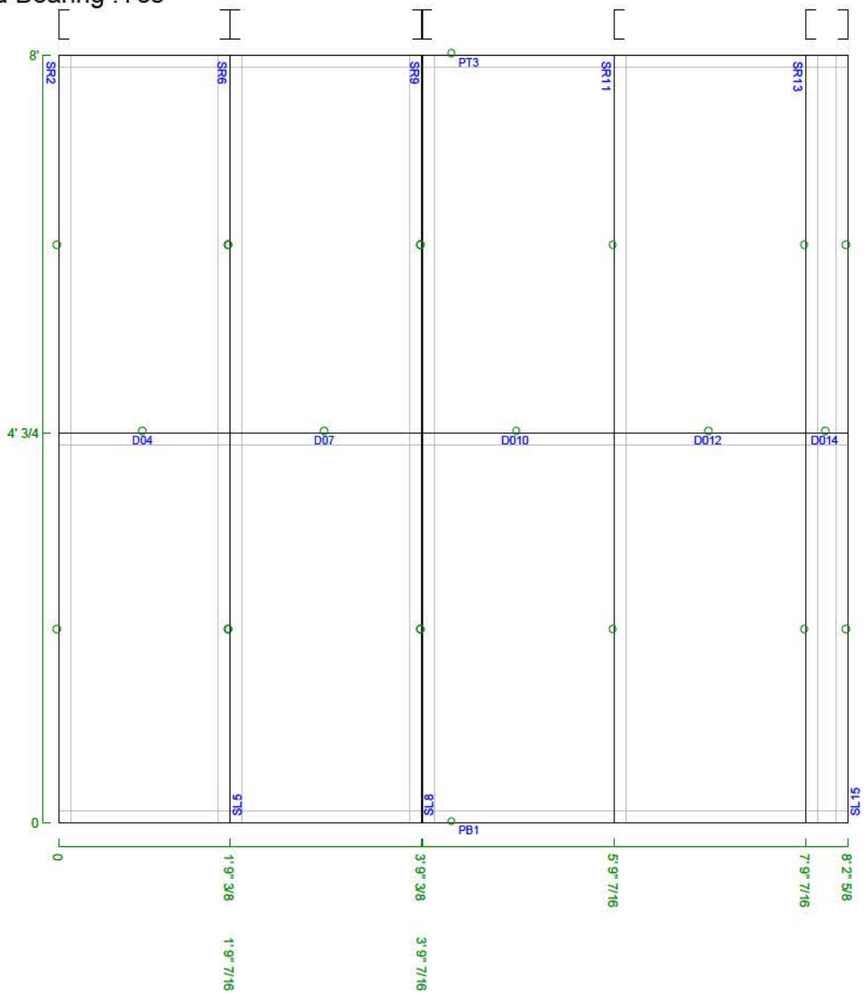
DRAWING TITLE:

FOOTING PLAN

SHEET NO:

F-01

W-1 C3.5_1.5-18Ga-50Ksi
1 : 14
External Wall :No
Load Bearing :Yes



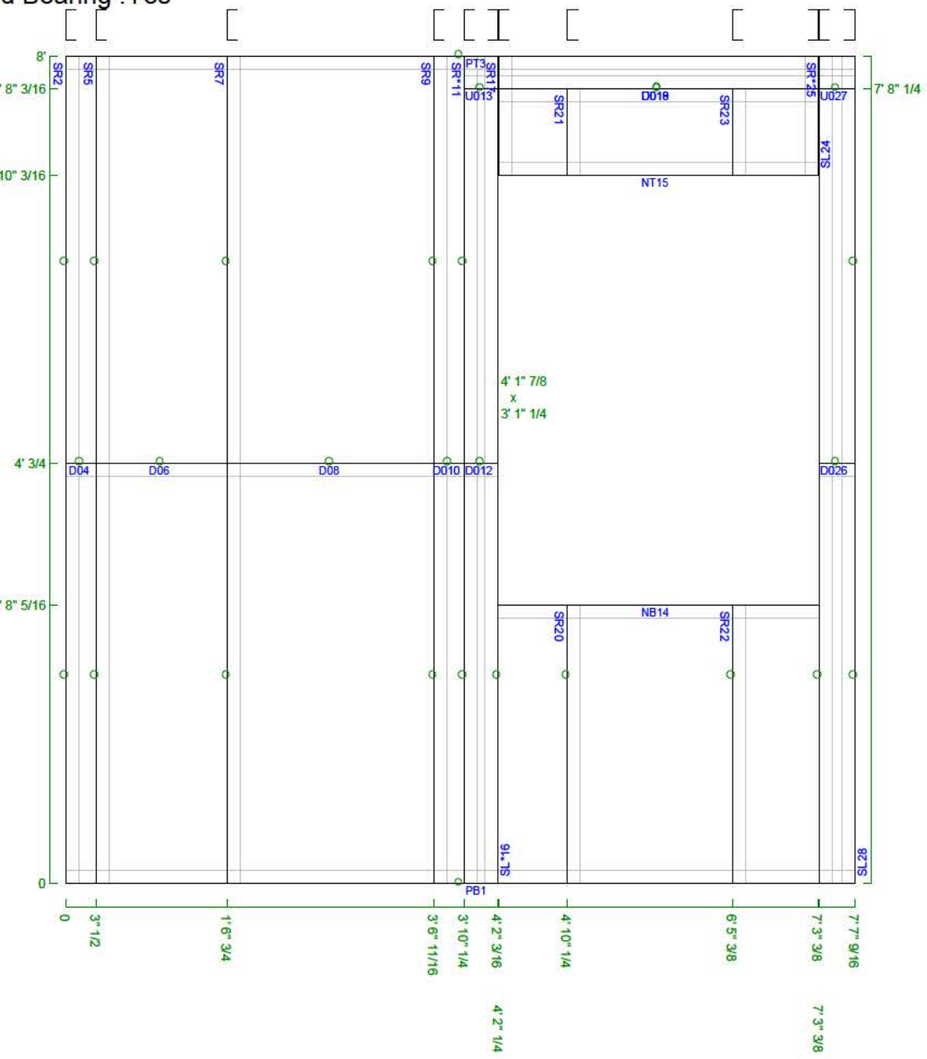
Items

Item	Pitch	Length
PB1	0	8' 2" 5/8
SR2	90	8'
PT3	0	8' 2" 5/8
D04	0	1' 9" 3/8
SL5	90	8'
SR6	90	8'
D07	0	1' 11" 15/16
SL8	90	8'
SR9	90	8'
D010	0	2'
SR11	90	8'
D012	0	2'
SR13	90	8'
D014	0	5" 3/16
SL15	90	8'

Wall Frames Dimensions

Job Name	

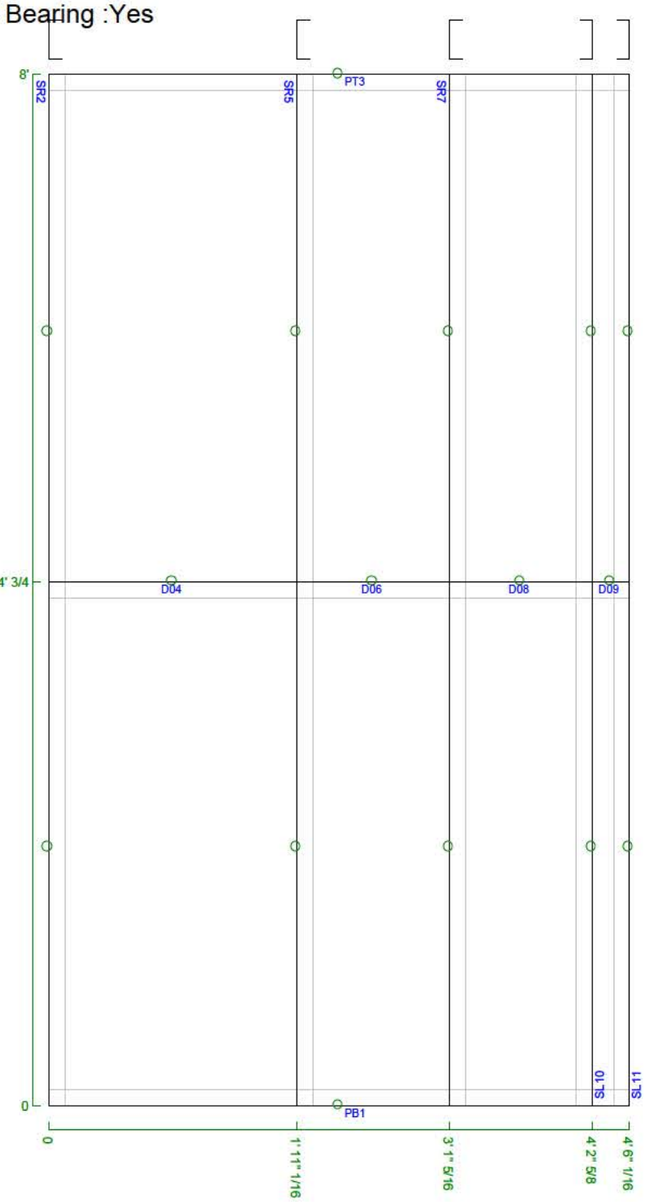
W-2 C3.5_1.5-18Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	7' 7" 9/16
SR2	90	8'
PT3	0	7' 7" 9/16
D04	0	3" 1/2
SR5	90	8'
D06	0	1' 3" 1/4
SR7	90	8'
D08	0	2'
SR9	90	8'
D010	0	3" 1/2
SR*11	90	8'
D012	0	3" 15/16
U013	0	3" 15/16
NB14	0	3' 1" 1/4
NT15	0	3' 1" 1/4
SL*16	90	8'
SR17	90	1' 1" 13/16
D018	0	3' 1" 1/8
U019	0	3' 1" 1/8
SR20	90	2' 8" 5/16
SR21	90	10"
SR22	90	2' 8" 5/16
SR23	90	10"
SL24	90	1' 1" 13/16
SR*25	90	8'
D026	0	4" 1/8
U027	0	4" 1/8
SL28	90	8'

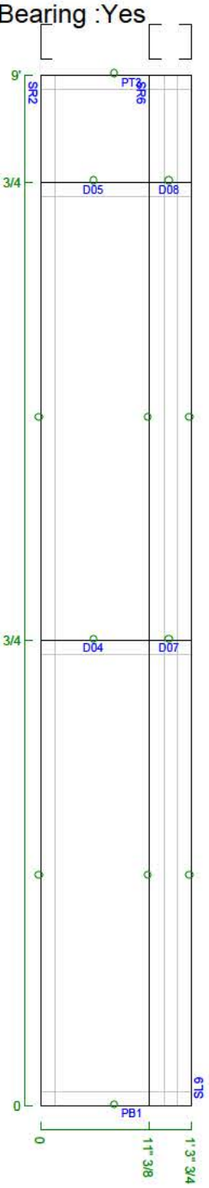
W-3 C3.5_1.5-18Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	4' 6" 1/16
SR2	90	8'
PT3	0	4' 6" 1/16
D04	0	1' 11" 1/16
SR5	90	8'
D06	0	1' 2" 1/4
SR7	90	8'
D08	0	1' 1" 5/16
D09	0	3" 7/16
SL10	90	8'
SL11	90	8'

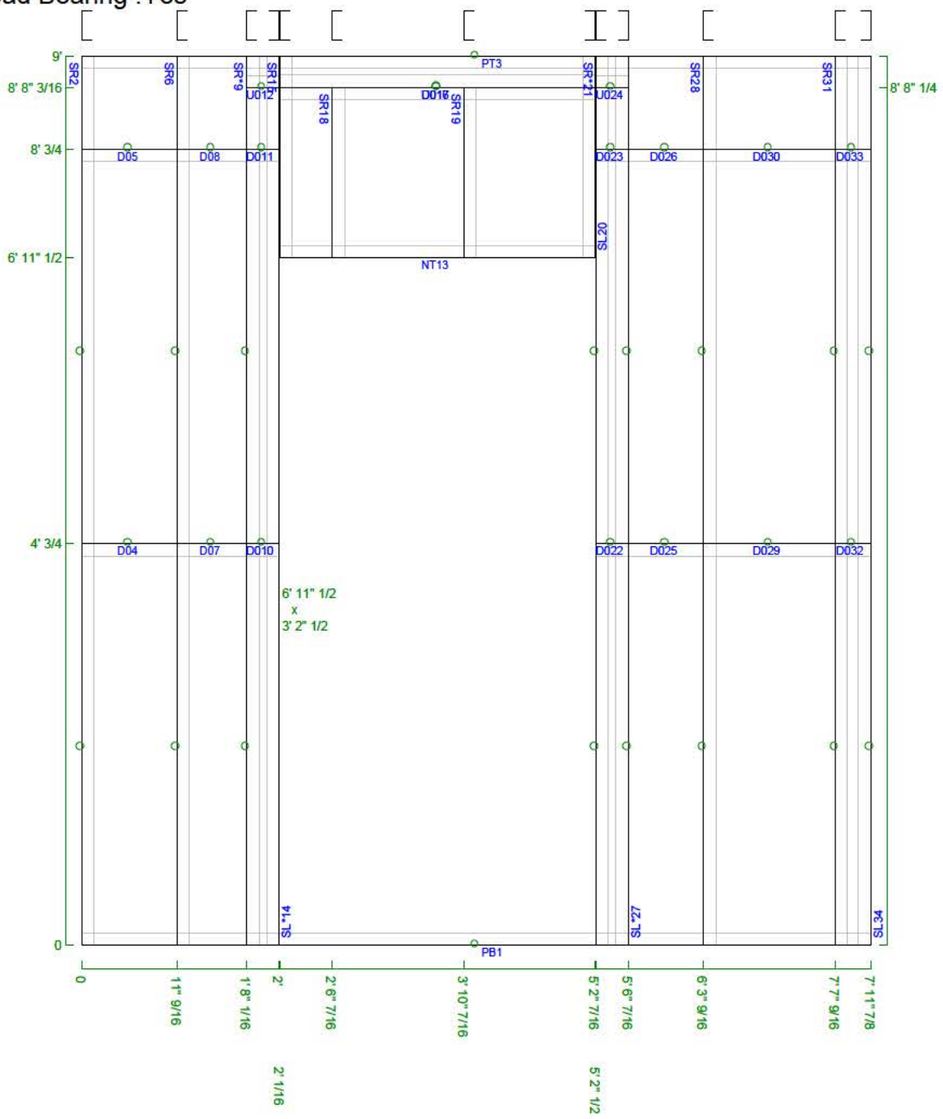
W-4 C3.5_1.5-18Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	1' 3" 3/4
SR2	90	9'
PT3	0	1' 3" 3/4
D04	0	11" 3/8
D05	0	11" 3/8
SR6	90	9'
D07	0	4" 3/8
D08	0	4" 3/8
SL9	90	9'

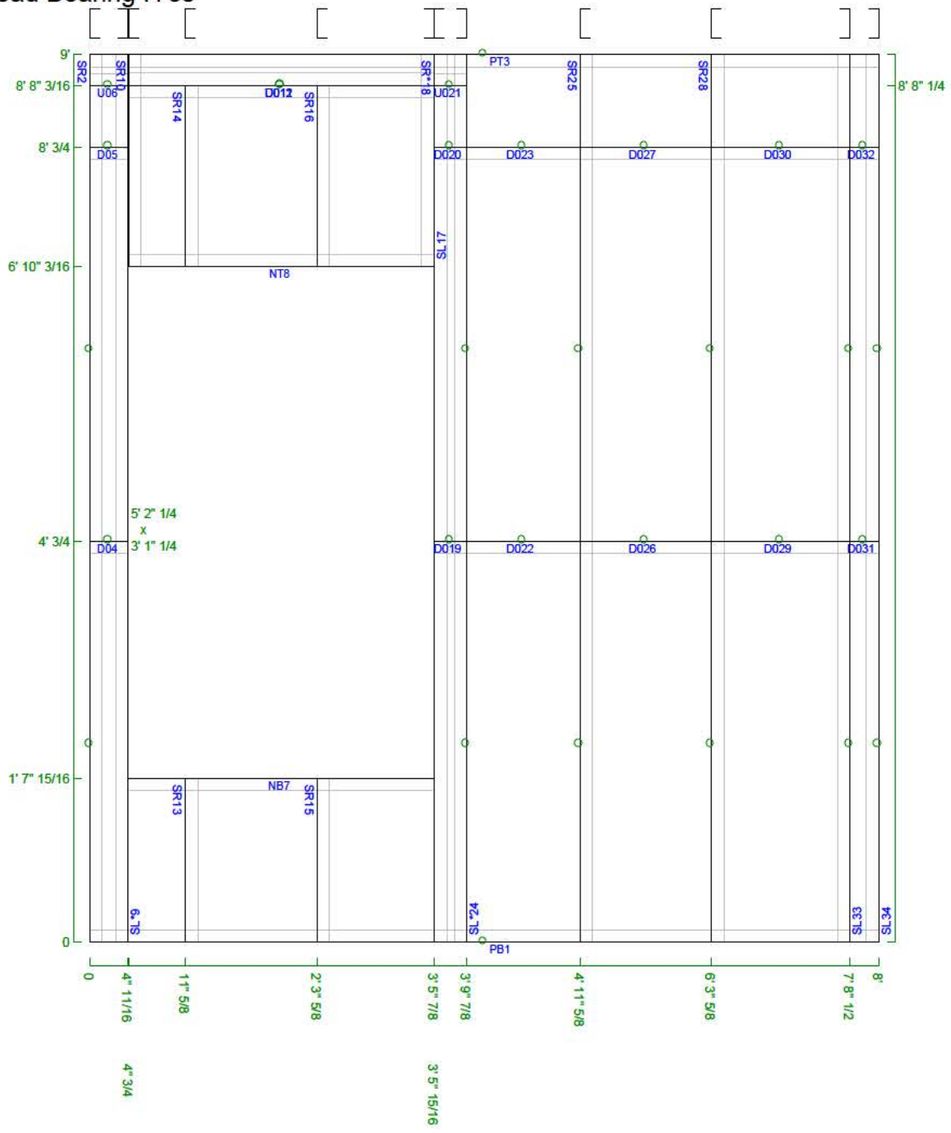
W-5 C3.5_1.5-18Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	7' 11" 7/8
SR2	90	9'
PT3	0	7' 11" 7/8
D04	0	11" 9/16
D05	0	11" 9/16
SR6	90	9'
D07	0	8" 7/16
D08	0	8" 7/16
SR*9	90	9'
D010	0	3" 15/16
D011	0	3" 15/16
U012	0	3" 15/16
NT13	0	3' 2" 1/2
SL*14	90	9'
SR15	90	2' 1/2
D016	0	3' 2" 3/8
U017	0	3' 2" 3/8
SR18	90	1' 8" 11/16
SR19	90	1' 8" 11/16
SL20	90	2' 1/2
SR*21	90	9'
D022	0	3" 15/16
D023	0	3" 15/16
U024	0	3" 15/16
D025	0	9" 1/8
D026	0	9" 1/8
SL*27	90	9'
SR28	90	9'
D029	0	1' 4"
D030	0	1' 4"
SR31	90	9'
D032	0	4" 5/16
D033	0	4" 5/16
SL34	90	9'

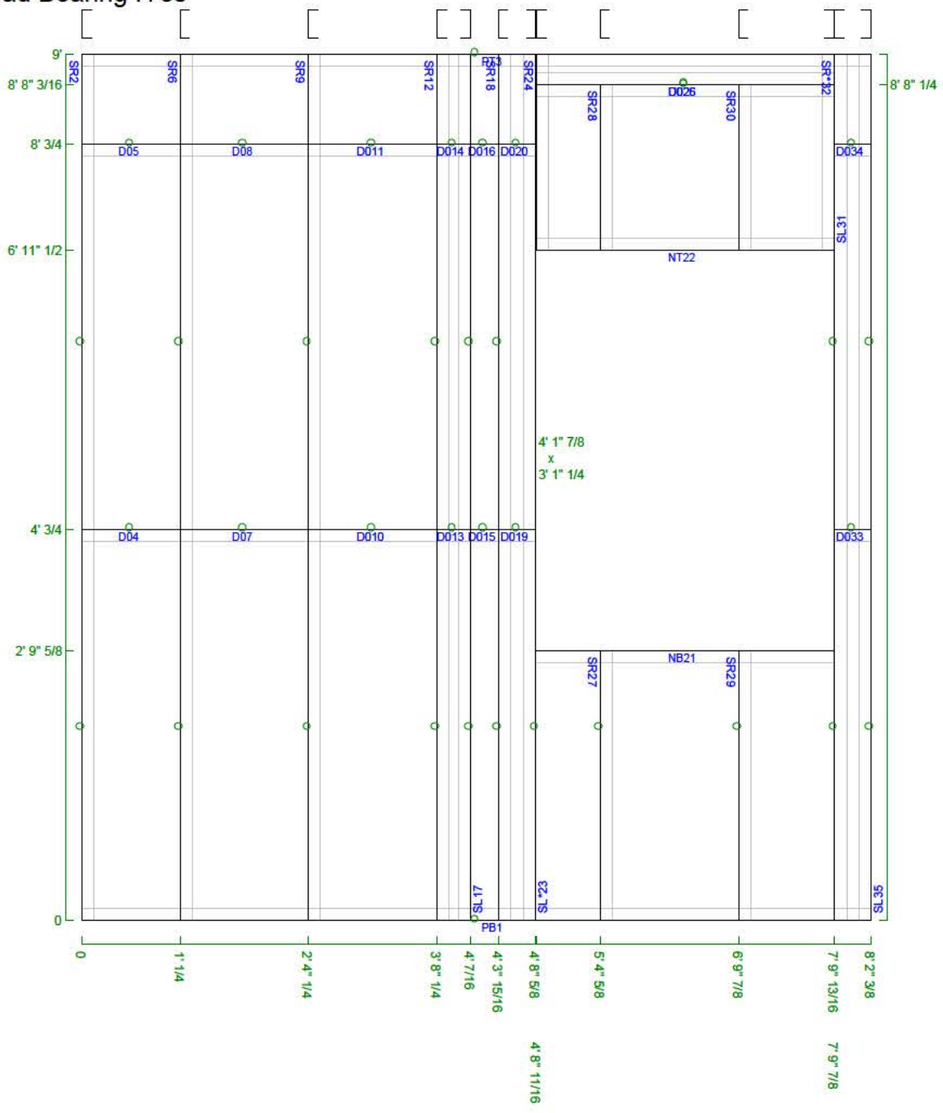
W-6 C3.5_1.5-18Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	8'
SR2	90	9'
PT3	0	8'
D04	0	4" 11/16
D05	0	4" 11/16
U06	0	4" 11/16
NB7	0	3' 1" 1/4
NT8	0	3' 1" 1/4
SL*9	90	9'
SR10	90	2' 1" 13/16
D011	0	3' 1" 1/8
U012	0	3' 1" 1/8
SR13	90	1' 7" 15/16
SR14	90	1' 10"
SR15	90	1' 7" 15/16
SR16	90	1' 10"
SL17	90	2' 1" 13/16
SR*18	90	9'
D019	0	3" 15/16
D020	0	3" 15/16
U021	0	3" 15/16
D022	0	1' 1" 3/4
D023	0	1' 1" 3/4
SL*24	90	9'
SR25	90	9'
D026	0	1' 4"
D027	0	1' 4"
SR28	90	9'
D029	0	1' 4" 7/8
D030	0	1' 4" 7/8
D031	0	3" 1/2
D032	0	3" 1/2
SL33	90	9'
SL34	90	9'

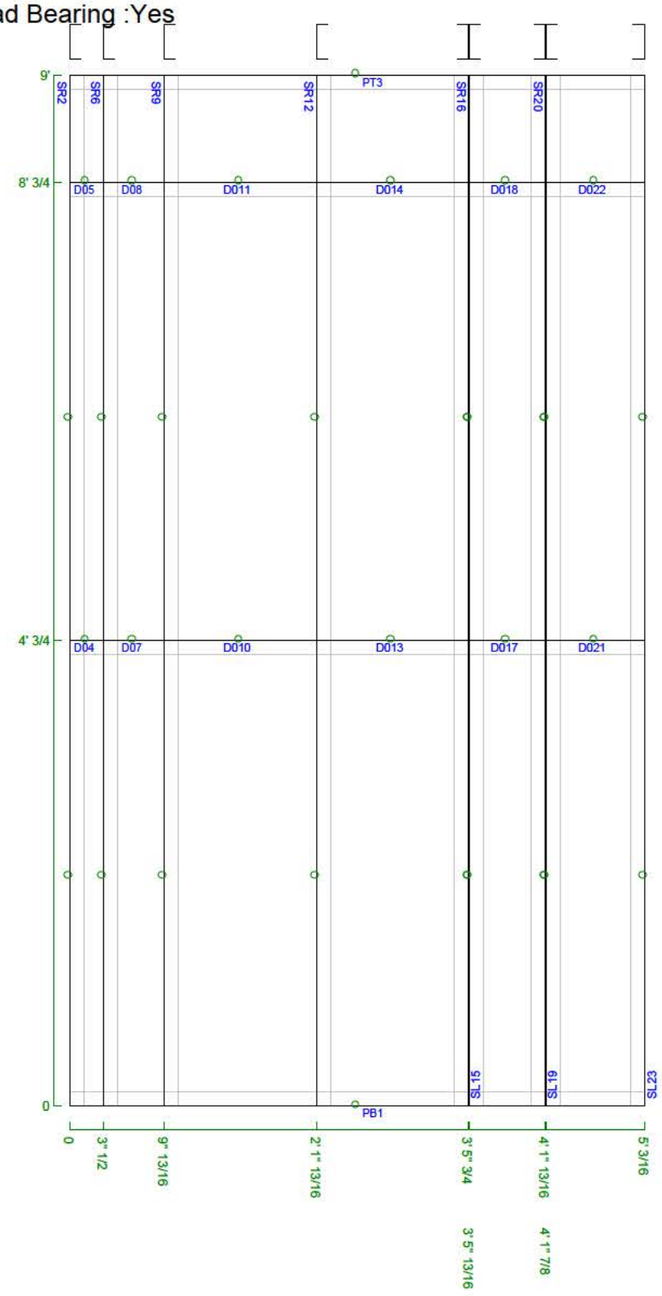
W-7 C3.5_1.5-18Ga-50Ksi
1 : 14
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	8' 2" 3/8
SR2	90	9'
PT3	0	8' 2" 3/8
D04	0	1' 1/4
D05	0	1' 1/4
SR6	90	9'
D07	0	1' 4"
D08	0	1' 4"
SR9	90	9'
D010	0	1' 4"
D011	0	1' 4"
SR12	90	9'
D013	0	4" 3/16
D014	0	4" 3/16
D015	0	3" 1/2
D016	0	3" 1/2
SL17	90	9'
SR18	90	9'
D019	0	4" 11/16
D020	0	4" 11/16
NB21	0	3' 1" 1/4
NT22	0	3' 1" 1/4
SL*23	90	9'
SR24	90	2' 1/2
D025	0	3' 1" 1/8
U026	0	3' 1" 1/8
SR27	90	2' 9" 5/8
SR28	90	1' 8" 11/16
SR29	90	2' 9" 5/8
SR30	90	1' 8" 11/16
SL31	90	2' 1/2
SR*32	90	9'
D033	0	4" 1/2
D034	0	4" 1/2
SL35	90	9'

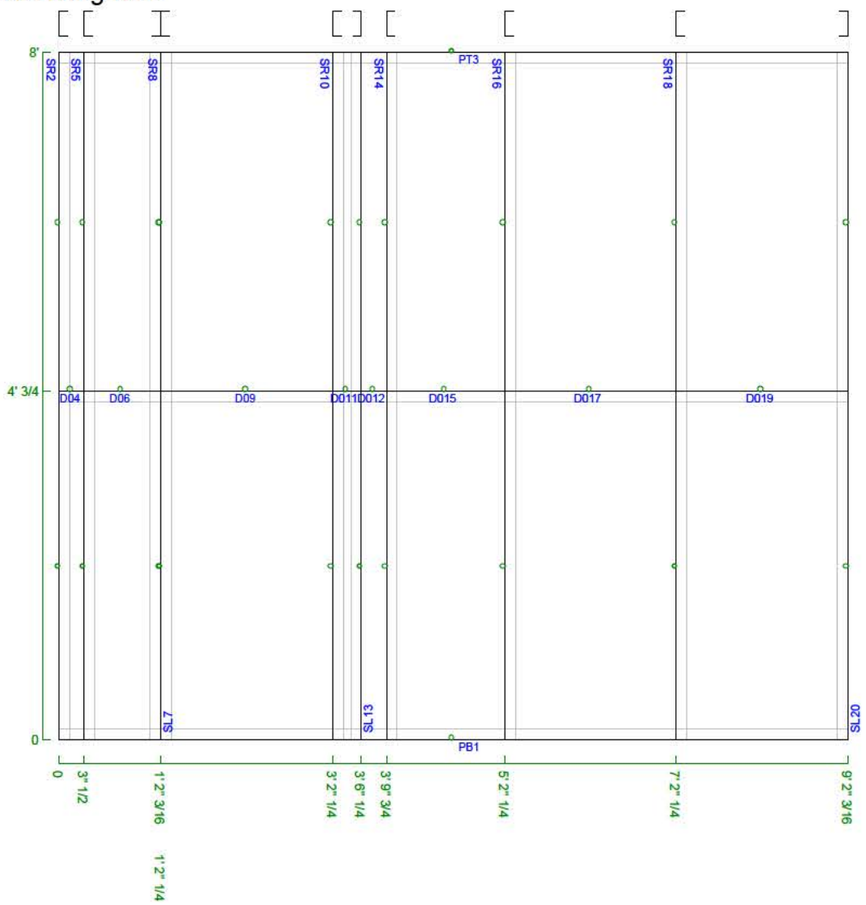
W-8 C3.5_1.5-18Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	5' 3/16
SR2	90	9'
PT3	0	5' 3/16
D04	0	3" 1/2
D05	0	3" 1/2
SR6	90	9'
D07	0	6" 5/16
D08	0	6" 5/16
SR9	90	9'
D010	0	1' 4"
D011	0	1' 4"
SR12	90	9'
D013	0	1' 3" 15/16
D014	0	1' 3" 15/16
SL15	90	9'
SR16	90	9'
D017	0	8"
D018	0	8"
SL19	90	9'
SR20	90	9'
D021	0	10" 5/16
D022	0	10" 5/16
SL23	90	9'

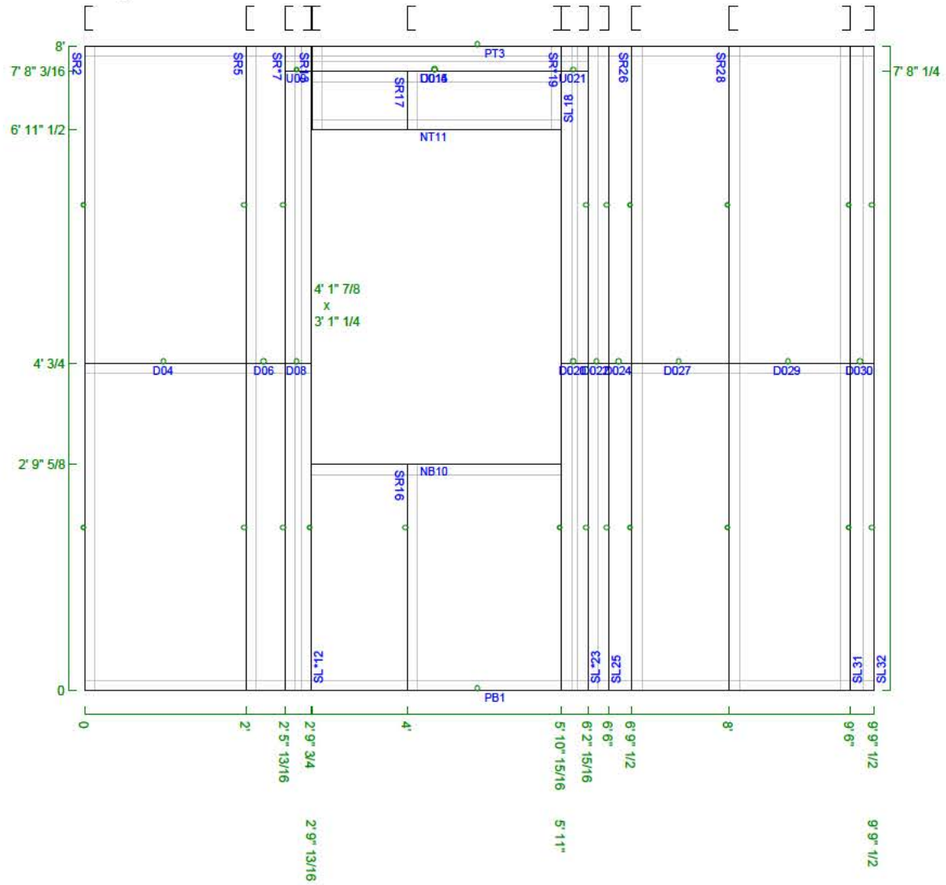
W-9 C3.5_1.5-18Ga-50Ksi
1 : 15
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 2" 3/16
SR2	90	8'
PT3	0	9' 2" 3/16
D04	0	3" 1/2
SR5	90	8'
D06	0	10" 11/16
SL7	90	8'
SR8	90	8'
D09	0	2'
SR10	90	8'
D011	0	4"
D012	0	3" 1/2
SL13	90	8'
SR14	90	8'
D015	0	1' 4" 1/2
SR16	90	8'
D017	0	2'
SR18	90	8'
D019	0	1' 11" 15/16
SL20	90	8'

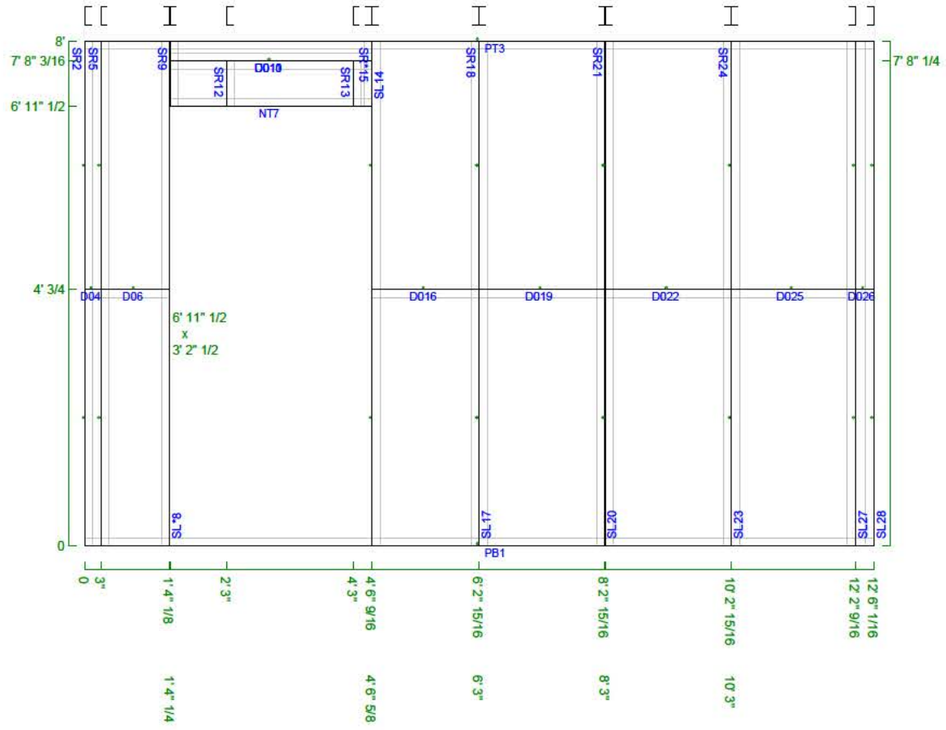
W-10 C3.5_1.5-18Ga-50Ksi
1 : 16
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 9" 1/2
SR2	90	8'
PT3	0	9' 9" 1/2
D04	0	2'
SR5	90	8'
D06	0	5" 13/16
SR*7	90	8'
D08	0	3" 15/16
U09	0	3" 15/16
NB10	0	3' 1" 1/4
NT11	0	3' 1" 1/4
SL*12	90	8'
SR13	90	1' 1/2
D014	0	3' 1" 1/8
U015	0	3' 1" 1/8
SR16	90	2' 9" 5/8
SR17	90	8" 11/16
SL18	90	1' 1/2
SR*19	90	8'
D020	0	3" 15/16
U021	0	3" 15/16
D022	0	3" 1/16
SL*23	90	8'
D024	0	3" 1/2
SL25	90	8'
SR26	90	8'
D027	0	1' 2" 1/2
SR28	90	8'
D029	0	1' 6"
D030	0	3" 1/2
SL31	90	8'
SL32	90	8'

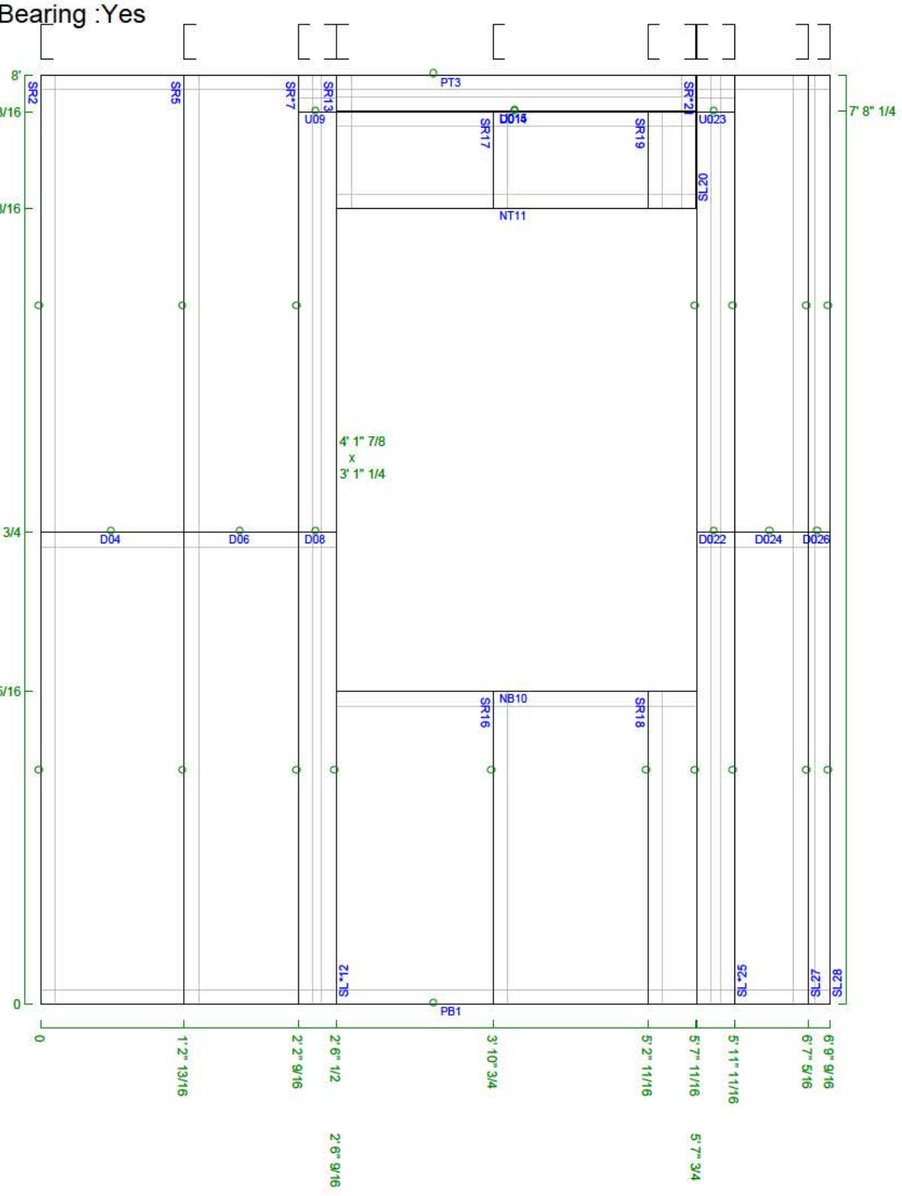
W-11 C3.5_1.5-18Ga-50Ksi
1 : 21
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	12' 6" 1/16
SR2	90	8'
PT3	0	12' 6" 1/16
D04	0	3"
SR5	90	8'
D06	0	1' 1" 1/8
NT7	0	3' 2" 1/2
SL*8	90	8'
SR9	90	1' 1/2
D010	0	3' 2" 3/8
U011	0	3' 2" 3/8
SR12	90	8" 11/16
SR13	90	8" 11/16
SL14	90	1' 1/2
SR*15	90	8'
D016	0	1' 8" 1/4
SL17	90	8'
SR18	90	8'
D019	0	1' 11" 15/16
SL20	90	8'
SR21	90	8'
D022	0	1' 11" 15/16
SL23	90	8'
SR24	90	8'
D025	0	1' 11" 9/16
D026	0	3" 1/2
SL27	90	8'
SL28	90	8'

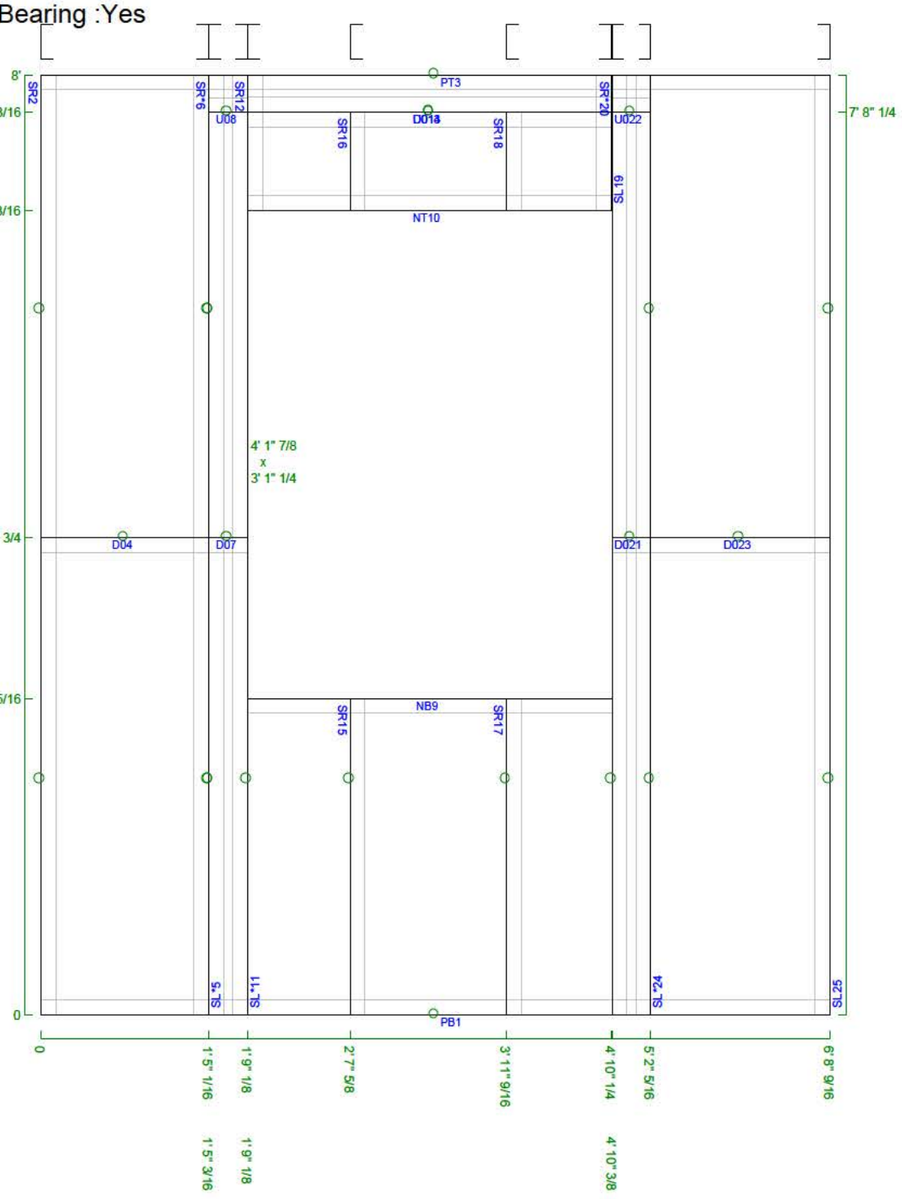
W-12 C3.5_1.5-18Ga-50Ksi
1 : 11
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	6' 9" 9/16
SR2	90	8'
PT3	0	6' 9" 9/16
D04	0	1' 2" 13/16
SR5	90	8'
D06	0	11" 3/4
SR*7	90	8'
D08	0	3" 15/16
U09	0	3" 15/16
NB10	0	3' 1" 1/4
NT11	0	3' 1" 1/4
SL*12	90	8'
SR13	90	1' 1" 13/16
D014	0	3' 1" 1/8
U015	0	3' 1" 1/8
SR16	90	2' 8" 5/16
SR17	90	10"
SR18	90	2' 8" 5/16
SR19	90	10"
SL20	90	1' 1" 13/16
SR*21	90	8'
D022	0	3" 15/16
U023	0	3" 15/16
D024	0	7" 9/16
SL*25	90	8'
D026	0	2" 1/4
SL27	90	8'
SL28	90	8'

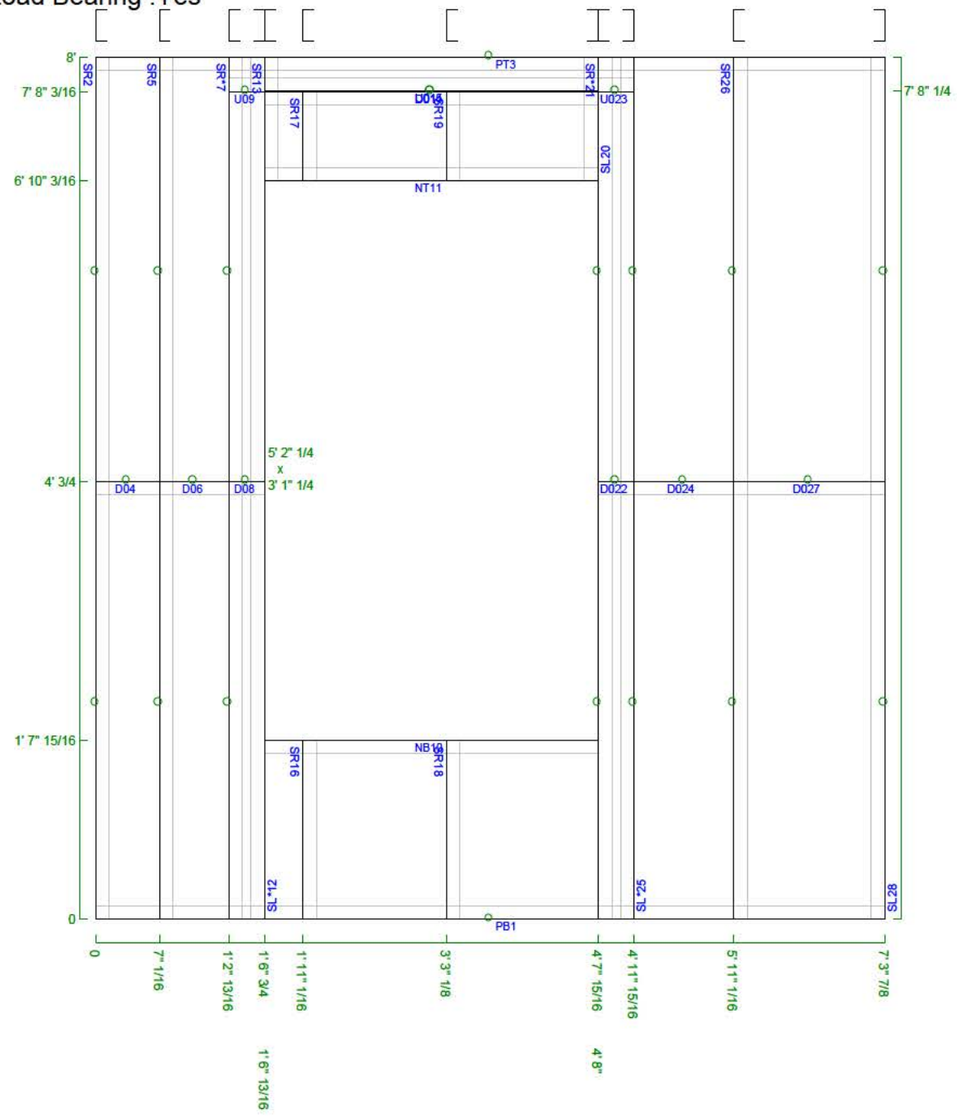
W-13 C3.5_1.5-18Ga-50Ksi
1 : 11
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	6' 8" 9/16
SR2	90	8'
PT3	0	6' 8" 9/16
D04	0	1' 5" 1/16
SL*5	90	8'
SR*6	90	8'
D07	0	3" 15/16
U08	0	3" 15/16
NB9	0	3' 1" 1/4
NT10	0	3' 1" 1/4
SL*11	90	8'
SR12	90	1' 1" 13/16
D013	0	3' 1" 1/8
U014	0	3' 1" 1/8
SR15	90	2' 8" 5/16
SR16	90	10"
SR17	90	2' 8" 5/16
SR18	90	10"
SL19	90	1' 1" 13/16
SR*20	90	8'
D021	0	3" 15/16
U022	0	3" 15/16
D023	0	1' 6" 5/16
SL*24	90	8'
SL25	90	8'

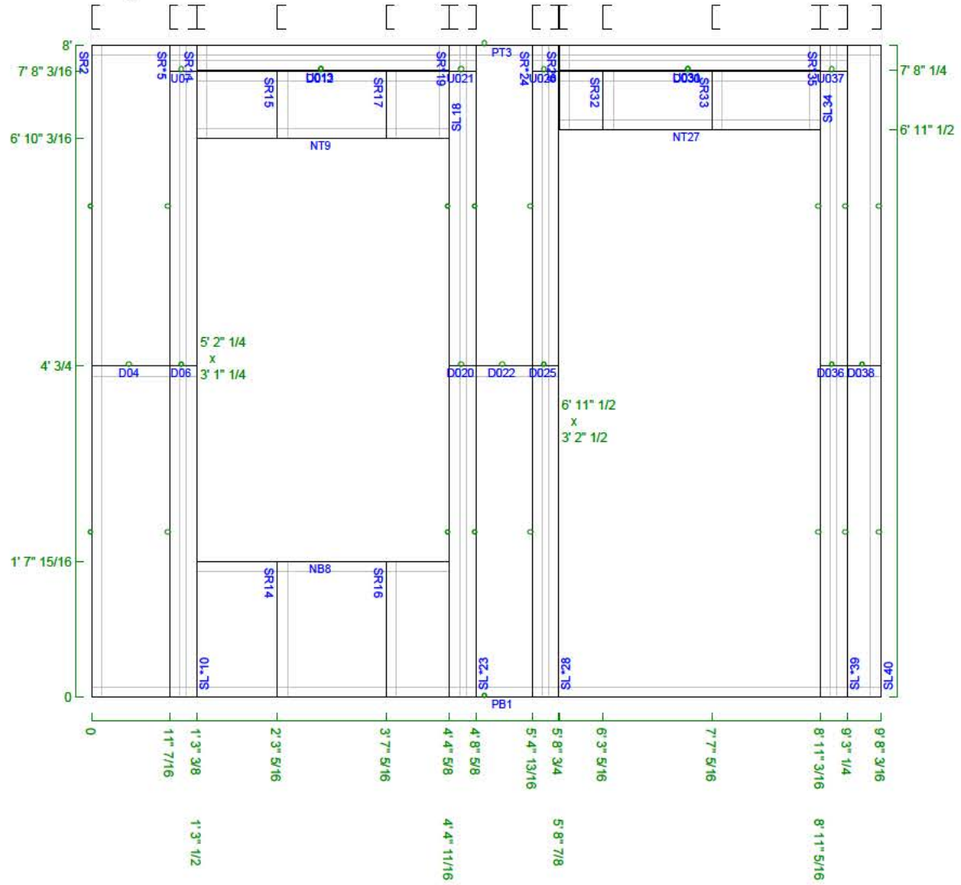
W-14 C3.5_1.5-18Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	7' 3" 7/8
SR2	90	8'
PT3	0	7' 3" 7/8
D04	0	7" 1/16
SR5	90	8'
D06	0	7" 3/4
SR*7	90	8'
D08	0	3" 15/16
U09	0	3" 15/16
NB10	0	3' 1" 1/4
NT11	0	3' 1" 1/4
SL*12	90	8'
SR13	90	1' 1" 13/16
D014	0	3' 1" 1/8
U015	0	3' 1" 1/8
SR16	90	1' 7" 15/16
SR17	90	10"
SR18	90	1' 7" 15/16
SR19	90	10"
SL20	90	1' 1" 13/16
SR*21	90	8'
D022	0	3" 15/16
U023	0	3" 15/16
D024	0	11" 1/8
SL*25	90	8'
SR26	90	8'
D027	0	1' 4" 13/16
SL28	90	8'

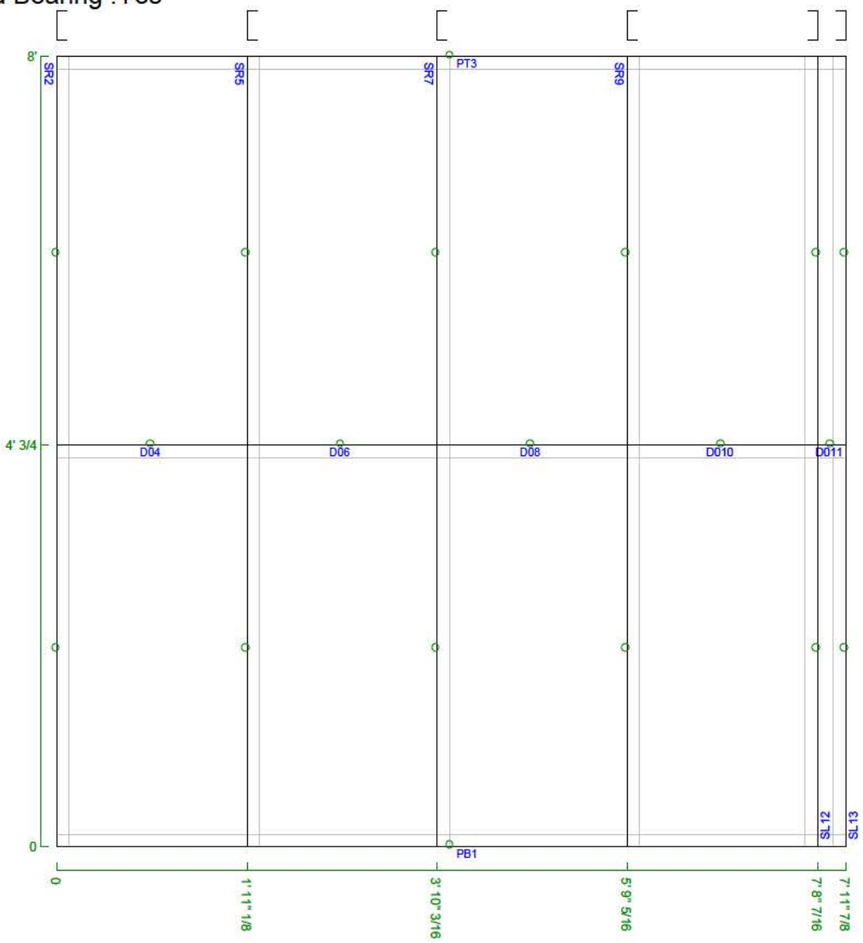
W-15 C3.5_1.5-18Ga-50Ksi
1 : 16
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 8" 3/16
SR2	90	8'
PT3	0	9' 8" 3/16
D04	0	11" 7/16
SR*5	90	8'
D06	0	3" 15/16
U07	0	3" 15/16
NB8	0	3' 1" 1/4
NT9	0	3' 1" 1/4
SL*10	90	8'
SR11	90	1' 1" 13/16
D012	0	3' 1" 1/8
U013	0	3' 1" 1/8
SR14	90	1' 7" 15/16
SR15	90	10"
SR16	90	1' 7" 15/16
SR17	90	10"
SL18	90	1' 1" 13/16
SR*19	90	8'
D020	0	3" 15/16
U021	0	3" 15/16
D022	0	8" 1/4
SL*23	90	8'
SR*24	90	8'
D025	0	3" 15/16
U026	0	3" 15/16
NT27	0	3' 2" 1/2
SL*28	90	8'
SR29	90	1' 1/2
D030	0	3' 2" 3/8
U031	0	3' 2" 3/8
SR32	90	8" 11/16
SR33	90	8" 11/16
SL34	90	1' 1/2
SR*35	90	8'
D036	0	3" 15/16
U037	0	3" 15/16
D038	0	4" 15/16
SL*39	90	8'
SL40	90	8'

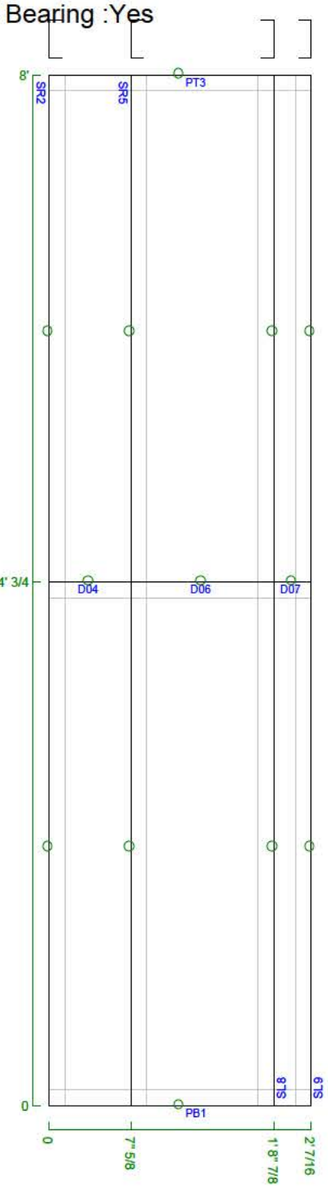
W-16 C3.5_1.5-18Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	7' 11" 7/8
SR2	90	8'
PT3	0	7' 11" 7/8
D04	0	1' 11" 1/8
SR5	90	8'
D06	0	1' 11" 1/8
SR7	90	8'
D08	0	1' 11" 1/8
SR9	90	8'
D010	0	1' 11" 1/8
D011	0	3" 7/16
SL12	90	8'
SL13	90	8'

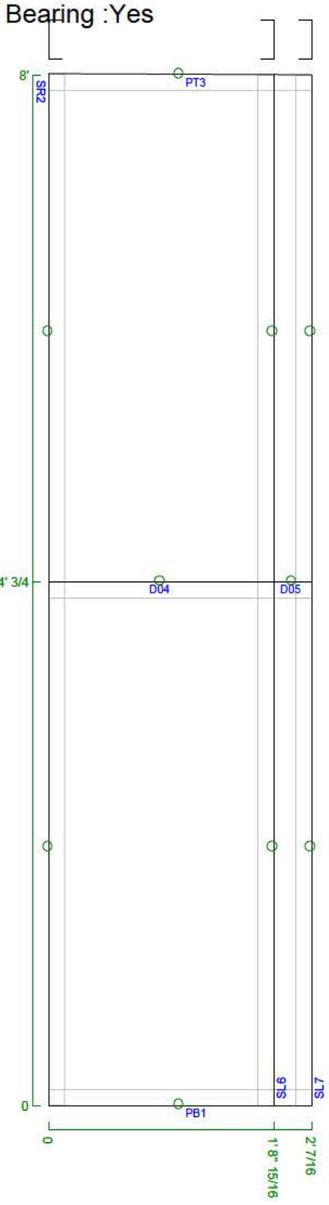
W-17 C3.5_1.5-18Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	2' 7/16
SR2	90	8'
PT3	0	2' 7/16
D04	0	7" 5/8
SR5	90	8'
D06	0	1' 1" 5/16
D07	0	3" 1/2
SL8	90	8'
SL9	90	8'

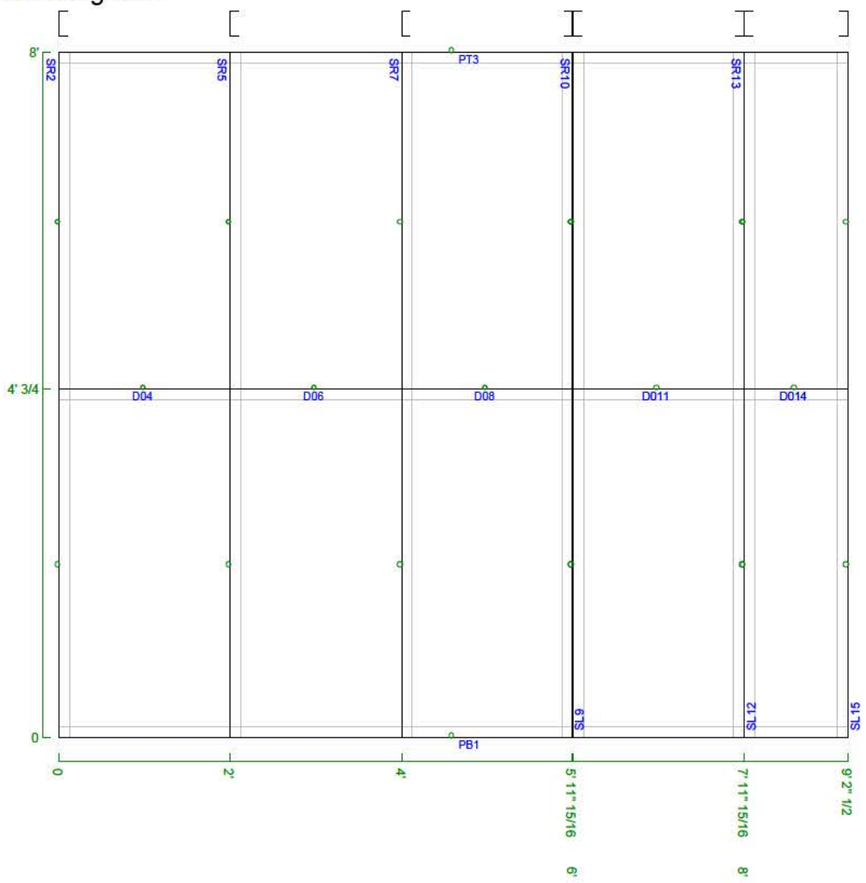
W-18 C3.5_1.5-18Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	2' 7/16
SR2	90	8'
PT3	0	2' 7/16
D04	0	1' 8" 15/16
D05	0	3" 1/2
SL6	90	8'
SL7	90	8'

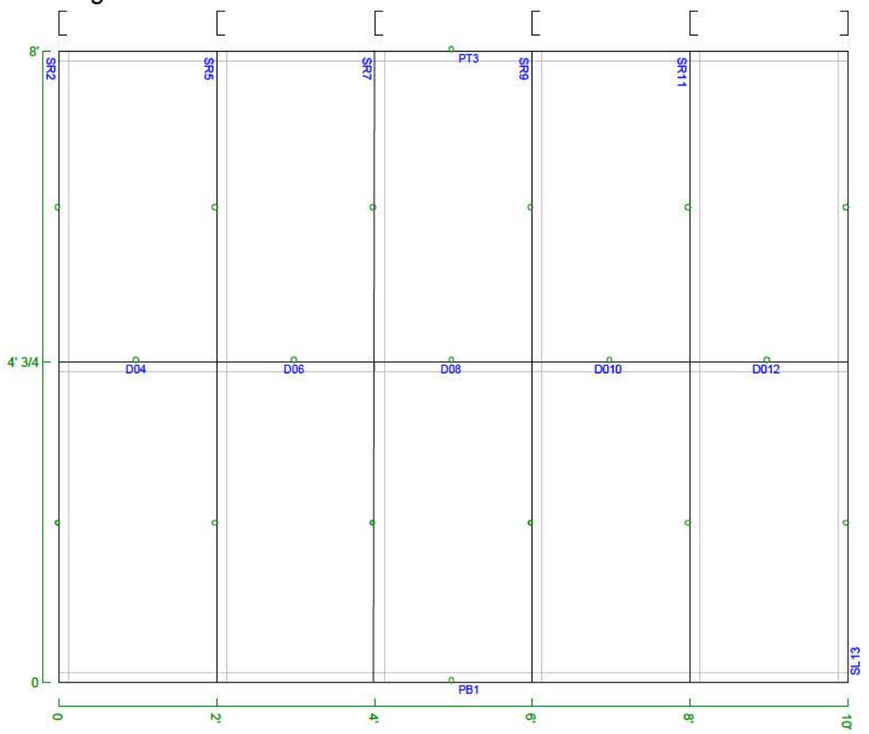
W-19 C3.5_1.5-18Ga-50Ksi
1 : 15
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 2" 1/2
SR2	90	8'
PT3	0	9' 2" 1/2
D04	0	2'
SR5	90	8'
D06	0	2'
SR7	90	8'
D08	0	1' 11" 15/16
SL9	90	8'
SR10	90	8'
D011	0	1' 11" 15/16
SL12	90	8'
SR13	90	8'
D014	0	1' 2" 1/2
SL15	90	8'

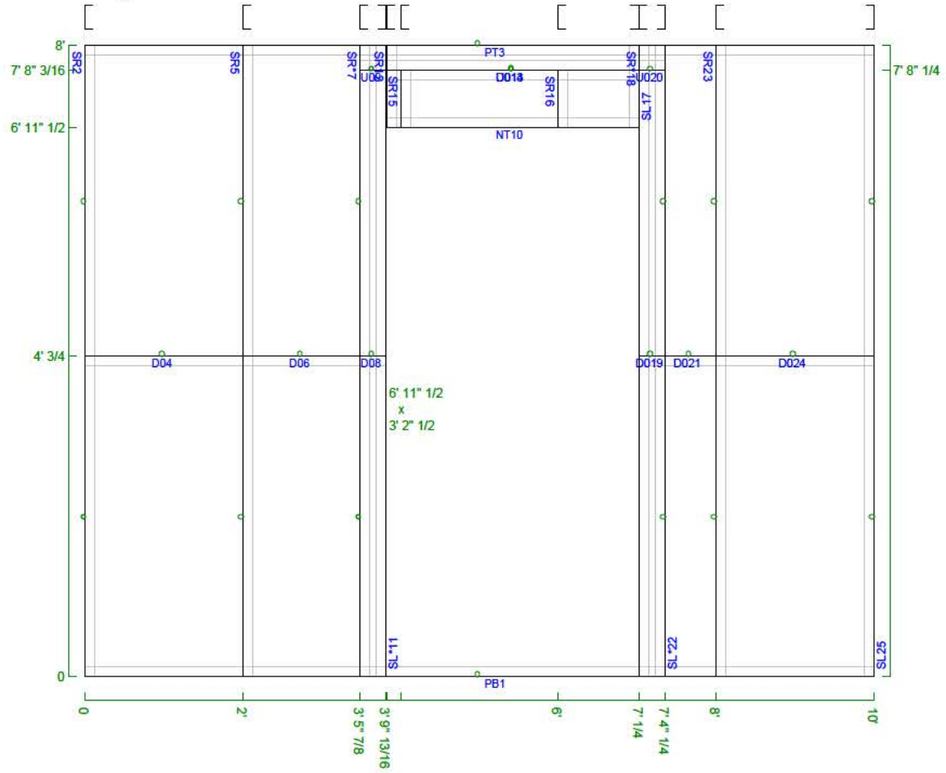
W-20 C3.5_1.5-18Ga-50Ksi
1 : 17
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	10'
SR2	90	8'
PT3	0	10'
D04	0	2'
SR5	90	8'
D06	0	2'
SR7	90	8'
D08	0	2'
SR9	90	8'
D010	0	2'
SR11	90	8'
D012	0	2'
SL13	90	8'

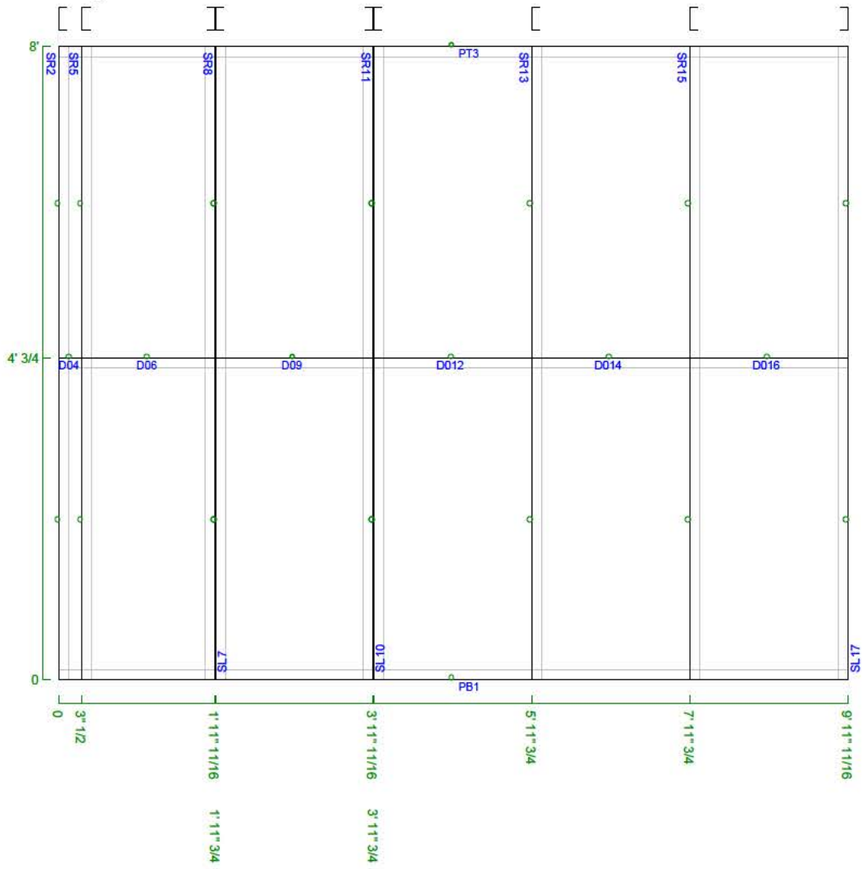
W-21 C3.5_1.5-18Ga-50Ksi
1 : 17
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	10'
SR2	90	8'
PT3	0	10'
D04	0	2'
SR5	90	8'
D06	0	1' 5" 7/8
SR*7	90	8'
D08	0	3" 15/16
U09	0	3" 15/16
NT10	0	3' 2" 1/2
SL*11	90	8'
SR12	90	1' 1/2
D013	0	3' 2" 3/8
U014	0	3' 2" 3/8
SR15	90	8" 11/16
SR16	90	8" 11/16
SL17	90	1' 1/2
SR*18	90	8'
D019	0	3" 15/16
U020	0	3" 15/16
D021	0	7" 3/4
SL*22	90	8'
SR23	90	8'
D024	0	2'
SL25	90	8'

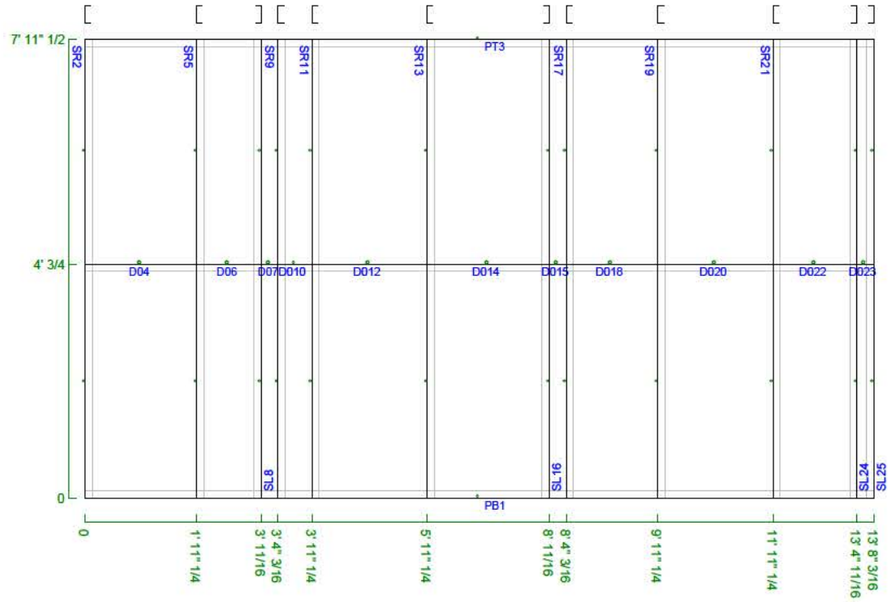
W-22 C3.5_1.5-18Ga-50Ksi
1 : 17
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 11" 11/16
SR2	90	8'
PT3	0	9' 11" 11/16
D04	0	3" 1/2
SR5	90	8'
D06	0	1' 8" 3/16
SL7	90	8'
SR8	90	8'
D09	0	1' 11" 15/16
SL10	90	8'
SR11	90	8'
D012	0	2'
SR13	90	8'
D014	0	2'
SR15	90	8'
D016	0	1' 11" 15/16
SL17	90	8'

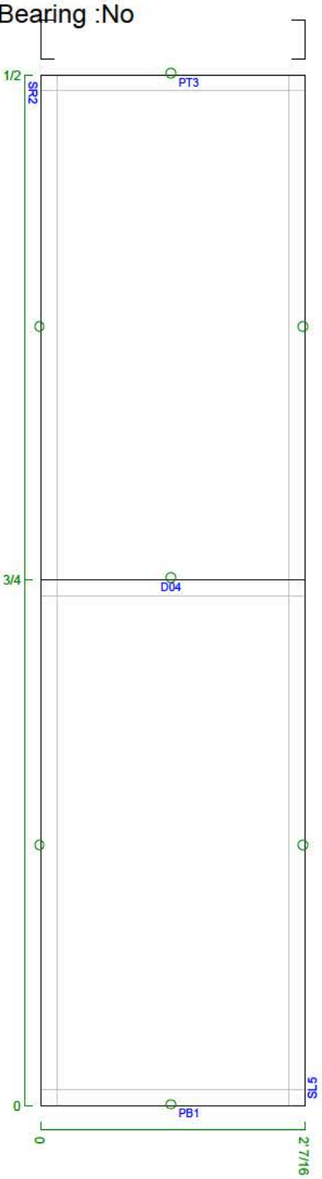
W-23 C3.5_1.5-20Ga-50Ksi
1 : 23
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	13' 8" 3/16
SR2	90	7' 11" 1/2
PT3	0	13' 8" 3/16
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	1' 1" 7/16
D07	0	3" 1/2
SL8	90	7' 11" 1/2
SR9	90	7' 11" 1/2
D010	0	7" 1/16
SR11	90	7' 11" 1/2
D012	0	2'
SR13	90	7' 11" 1/2
D014	0	2' 1" 7/16
D015	0	3" 1/2
SL16	90	7' 11" 1/2
SR17	90	7' 11" 1/2
D018	0	1' 7" 1/16
SR19	90	7' 11" 1/2
D020	0	2'
SR21	90	7' 11" 1/2
D022	0	1' 5" 7/16
D023	0	3" 1/2
SL24	90	7' 11" 1/2
SL25	90	7' 11" 1/2

W-24 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



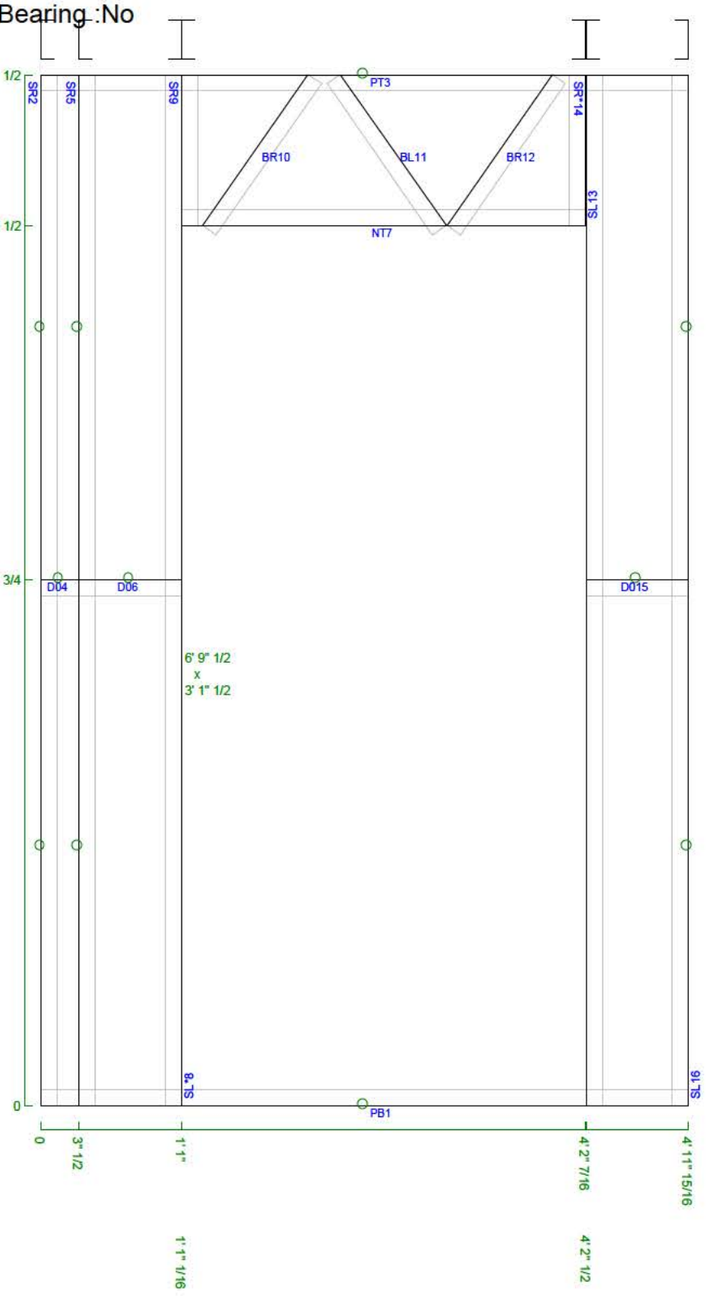
Items

Item	Pitch	Length
PB1	0	2' 7/16
SR2	90	7' 11" 1/2
PT3	0	2' 7/16
D04	0	2' 7/16
SL5	90	7' 11" 1/2

Wall Frames Dimensions

Job Name	

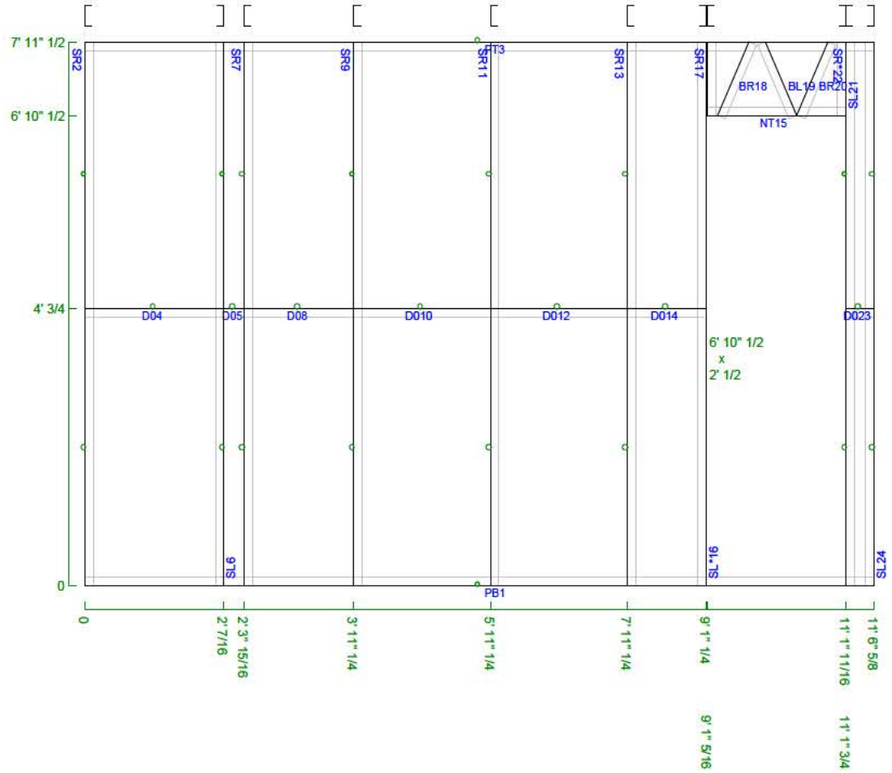
W-25 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 11" 15/16
SR2	90	7' 11" 1/2
PT3	0	4' 11" 15/16
D04	0	3" 1/2
SR5	90	7' 11" 1/2
D06	0	9" 1/2
NT7	0	3' 1" 1/2
SL*8	90	7' 11" 1/2
SR9	90	1' 2"
BR10	55	1' 5" 1/16
BL11	55	1' 5" 1/16
BR12	55	1' 5" 1/16
SL13	90	1' 2"
SR*14	90	7' 11" 1/2
D015	0	9" 7/16
SL16	90	7' 11" 1/2

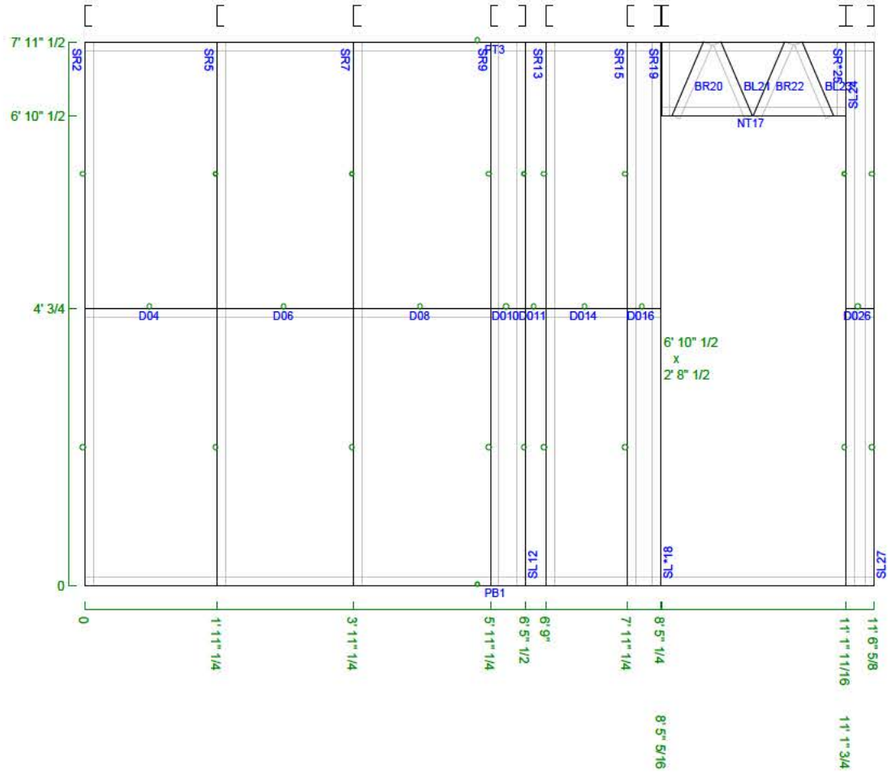
W-26 C3.5_1.5-20Ga-50Ksi
1 : 19
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	11' 6" 5/8
SR2	90	7' 11" 1/2
PT3	0	11' 6" 5/8
D04	0	2' 7/16
D05	0	3" 1/2
SL6	90	7' 11" 1/2
SR7	90	7' 11" 1/2
D08	0	1' 7" 5/16
SR9	90	7' 11" 1/2
D010	0	2'
SR11	90	7' 11" 1/2
D012	0	2'
SR13	90	7' 11" 1/2
D014	0	1' 2"
NT15	0	2' 1/2
SL*16	90	7' 11" 1/2
SR17	90	1' 1"
BR18	67	1' 2" 1/8
BL19	67	1' 2" 1/8
BR20	67	1' 2" 1/8
SL21	90	1' 1"
SR*22	90	7' 11" 1/2
D023	0	4" 7/8
SL24	90	7' 11" 1/2

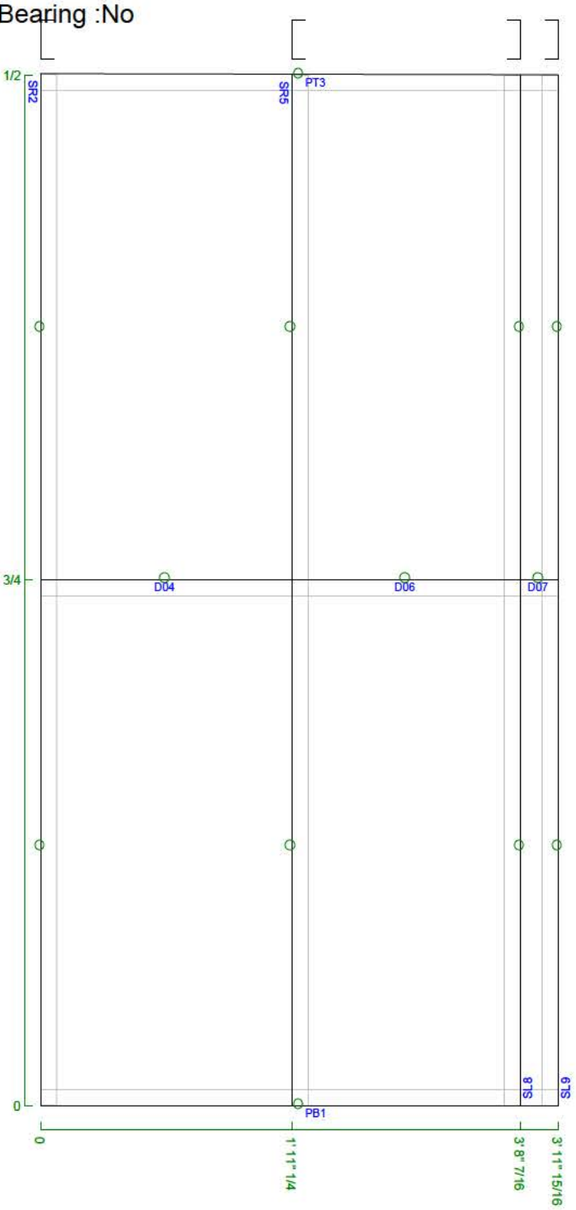
W-27 C3.5_1.5-20Ga-50Ksi
1 : 19
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	11' 6" 5/8
SR2	90	7' 11" 1/2
PT3	0	11' 6" 5/8
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	2'
SR7	90	7' 11" 1/2
D08	0	2'
SR9	90	7' 11" 1/2
D010	0	6" 1/4
D011	0	3" 1/2
SL12	90	7' 11" 1/2
SR13	90	7' 11" 1/2
D014	0	1' 2" 5/16
SR15	90	7' 11" 1/2
D016	0	6"
NT17	0	2' 8" 1/2
SL*18	90	7' 11" 1/2
SR19	90	1' 1"
BR20	67	1' 2" 1/8
BL21	67	1' 2" 1/8
BR22	67	1' 2" 1/8
BL23	67	1' 2" 1/8
SL24	90	1' 1"
SR*25	90	7' 11" 1/2
D026	0	4" 7/8
SL27	90	7' 11" 1/2

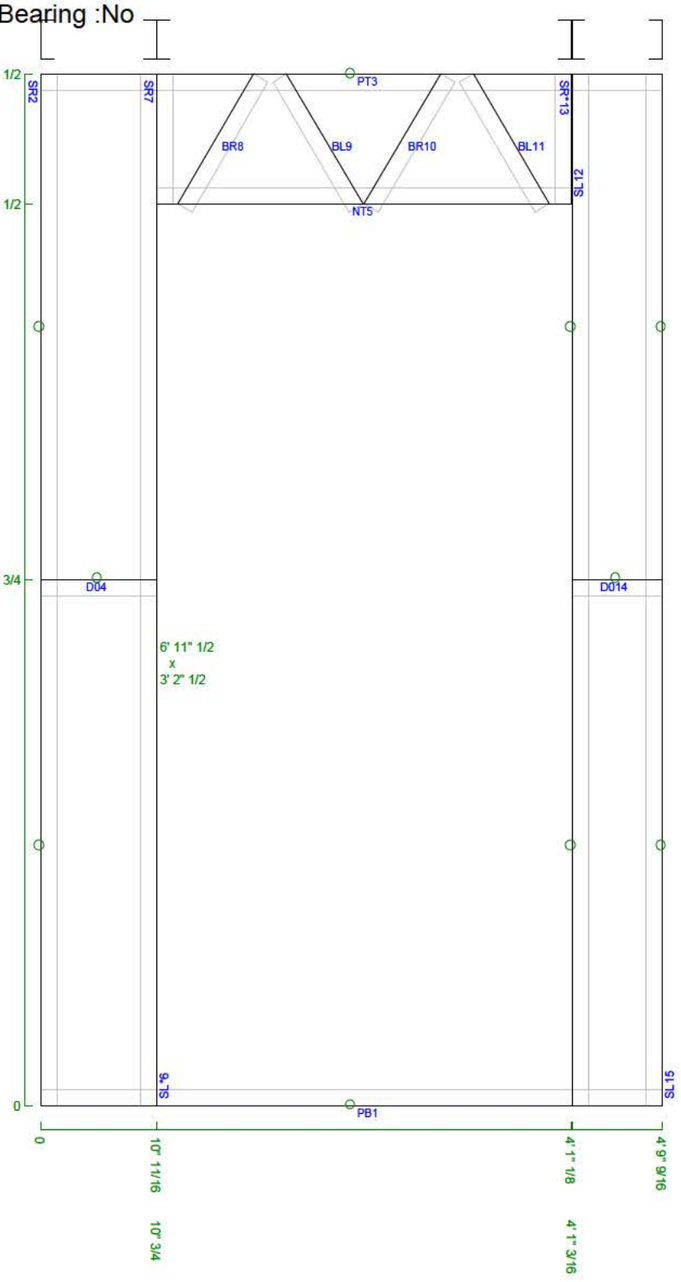
W-28 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 11" 15/16
SR2	90	7' 11" 1/2
PT3	0	3' 11" 15/16
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	1' 9" 3/16
D07	0	3" 1/2
SL8	90	7' 11" 1/2
SL9	90	7' 11" 1/2

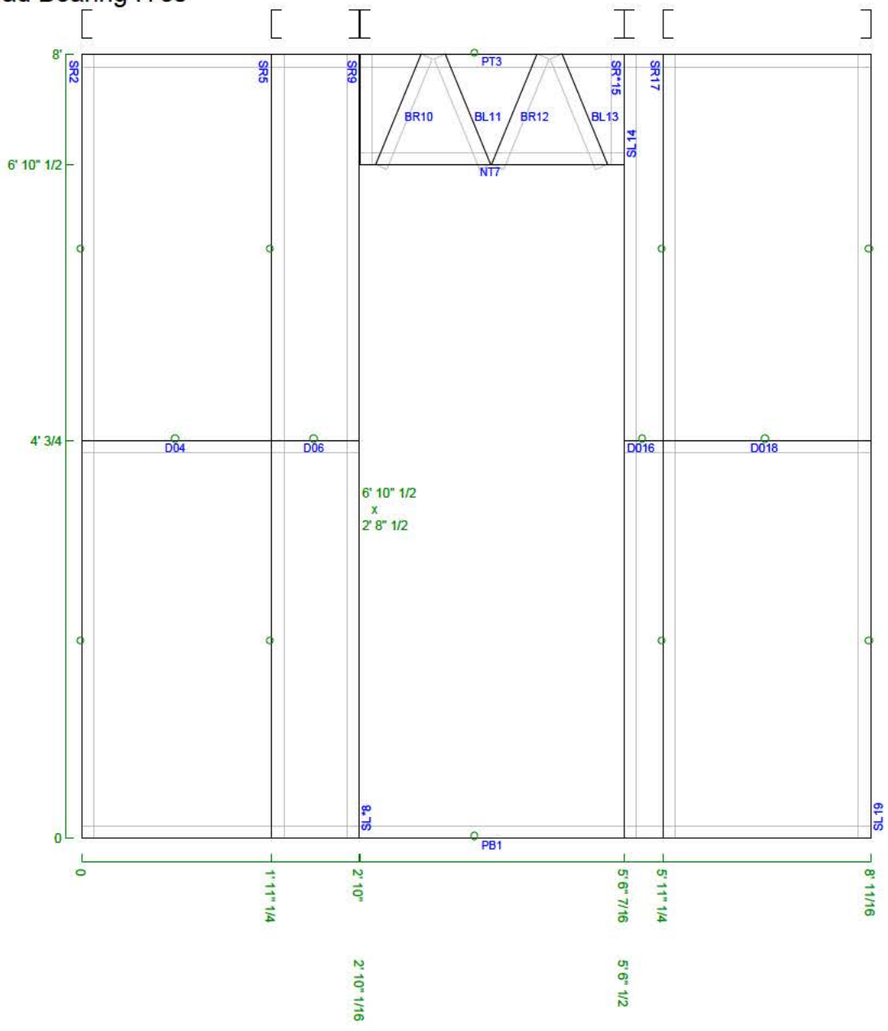
W-29 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 9" 9/16
SR2	90	7' 11" 1/2
PT3	0	4' 9" 9/16
D04	0	10" 11/16
NT5	0	3' 2" 1/2
SL*6	90	7' 11" 1/2
SR7	90	1'
BR8	59	1' 1" 15/16
BL9	59	1' 1" 15/16
BR10	59	1' 1" 15/16
BL11	59	1' 1" 15/16
SL12	90	1'
SR*13	90	7' 11" 1/2
D014	0	8" 3/8
SL15	90	7' 11" 1/2

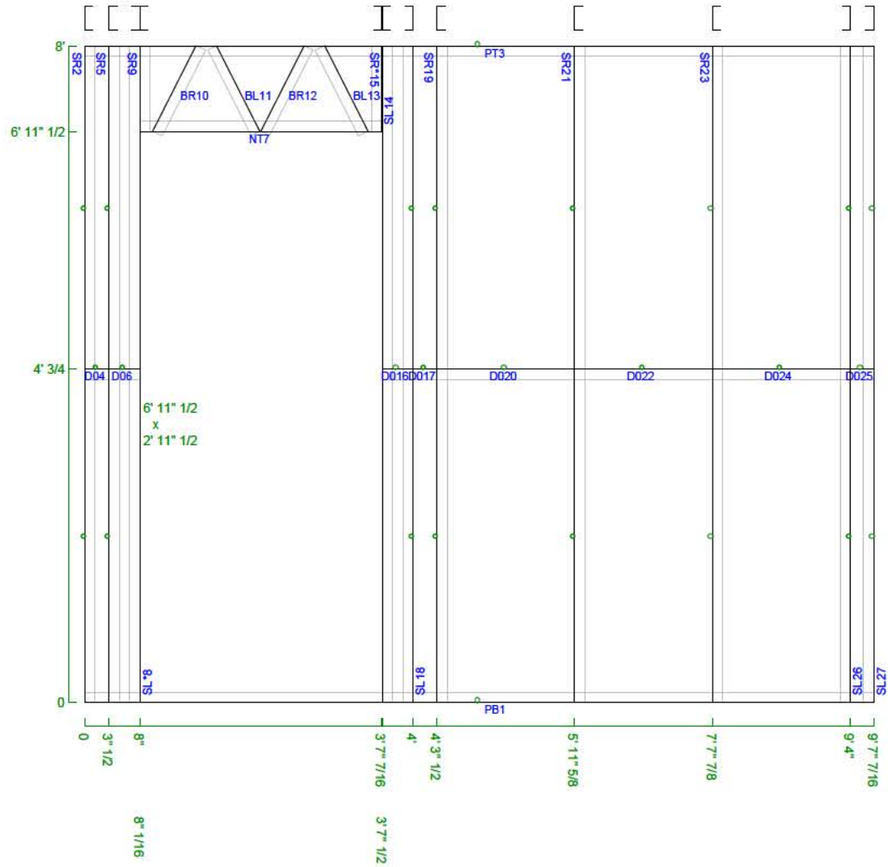
W-30 C3.5_1.5-20Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	8' 11/16
SR2	90	8'
PT3	0	8' 11/16
D04	0	1' 11" 1/4
SR5	90	8'
D06	0	10" 3/4
NT7	0	2' 8" 1/2
SL*8	90	8'
SR9	90	1' 1" 1/2
BR10	68	1' 2" 5/8
BL11	68	1' 2" 5/8
BR12	68	1' 2" 5/8
BL13	68	1' 2" 5/8
SL14	90	1' 1" 1/2
SR*15	90	8'
D016	0	4" 3/4
SR17	90	8'
D018	0	2' 1" 7/16
SL19	90	8'

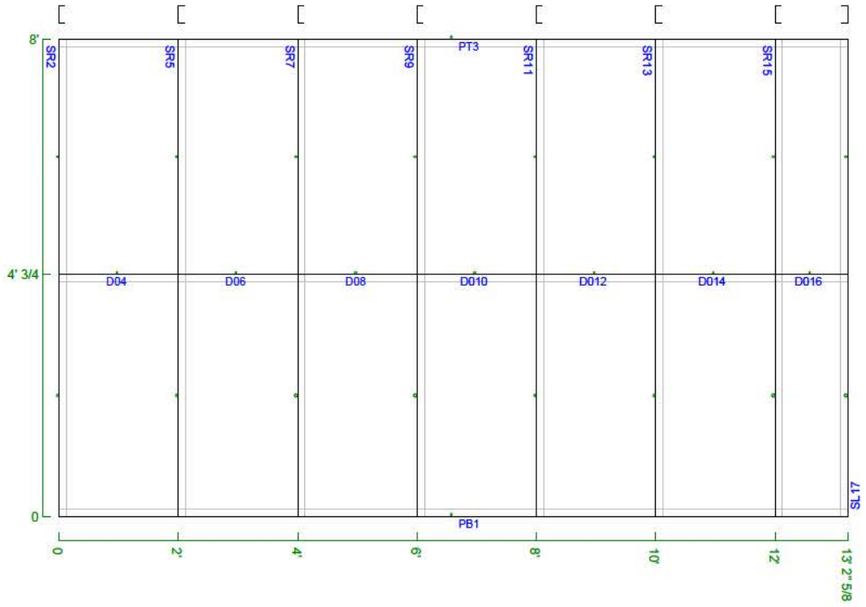
W-31 C3.5_1.5-20Ga-50Ksi
1 : 16
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	9' 7" 7/16
SR2	90	8'
PT3	0	9' 7" 7/16
D04	0	3" 1/2
SR5	90	8'
D06	0	4" 1/2
NT7	0	2' 11" 1/2
SL*8	90	8'
SR9	90	1' 1/2
BR10	63	1' 2"
BL11	63	1' 2"
BR12	63	1' 2"
BL13	63	1' 2"
SL14	90	1' 1/2
SR*15	90	8'
D016	0	4" 1/2
D017	0	3" 1/2
SL18	90	8'
SR19	90	8'
D020	0	1' 8" 3/16
SR21	90	8'
D022	0	1' 8" 3/16
SR23	90	8'
D024	0	1' 8" 3/16
D025	0	3" 7/16
SL26	90	8'
SL27	90	8'

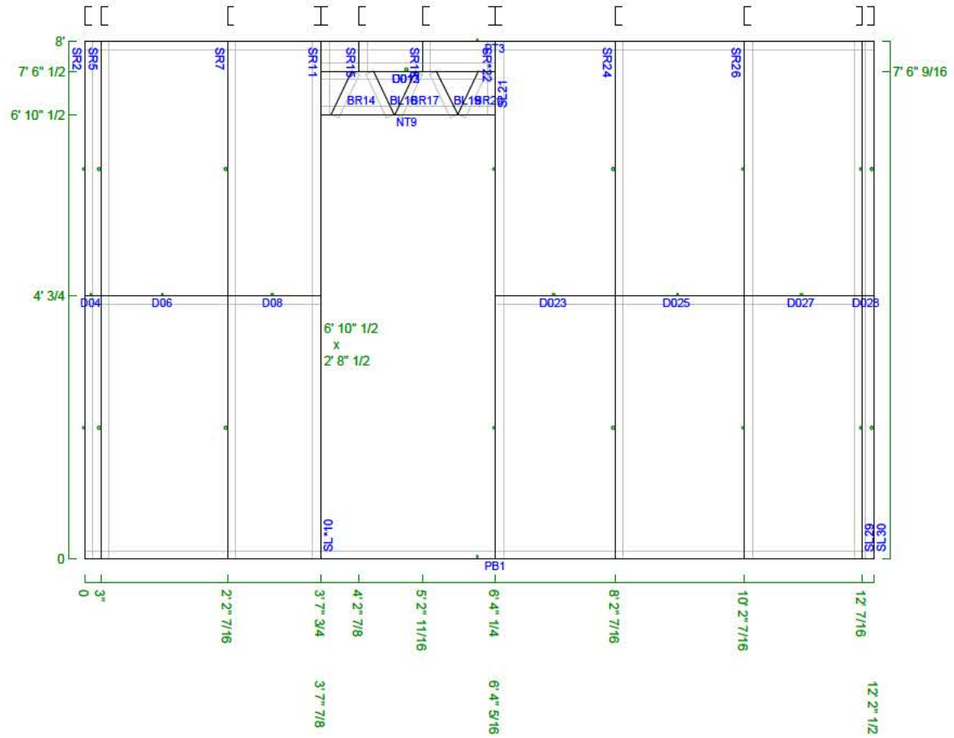
W-32 C3.5_1.5-20Ga-50Ksi
1 : 22
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	13' 2" 5/8
SR2	90	8'
PT3	0	13' 2" 5/8
D04	0	2'
SR5	90	8'
D06	0	2'
SR7	90	8'
D08	0	2'
SR9	90	8'
D010	0	2'
SR11	90	8'
D012	0	2'
SR13	90	8'
D014	0	2'
SR15	90	8'
D016	0	1' 2" 5/8
SL17	90	8'

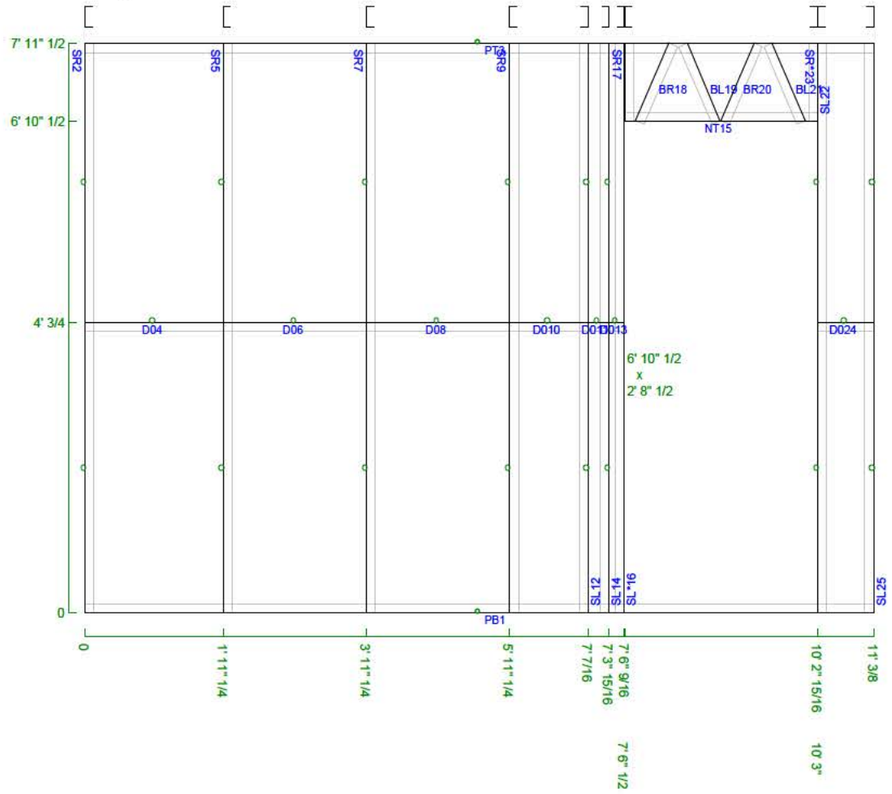
W-33 C3.5_1.5-20Ga-50Ksi
1 : 20
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	12' 2" 1/2
SR2	90	8'
PT3	0	12' 2" 1/2
D04	0	3"
SR5	90	8'
D06	0	1' 11" 7/16
SR7	90	8'
D08	0	1' 5" 3/8
NT9	0	2' 8" 1/2
SL*10	90	8'
SR11	90	1' 1" 1/2
D012	0	2' 8" 3/8
U013	0	2' 8" 3/8
BR14	64	8" 7/8
SR15	90	5" 7/16
BL16	64	8" 7/8
BR17	64	8" 7/8
SR18	90	5" 7/16
BL19	64	8" 7/8
BR20	64	8" 7/8
SL21	90	1' 1" 1/2
SR*22	90	8'
D023	0	1' 10" 3/16
SR24	90	8'
D025	0	2'
SR26	90	8'
D027	0	1' 10"
D028	0	2" 1/16
SL29	90	8'
SL30	90	8'

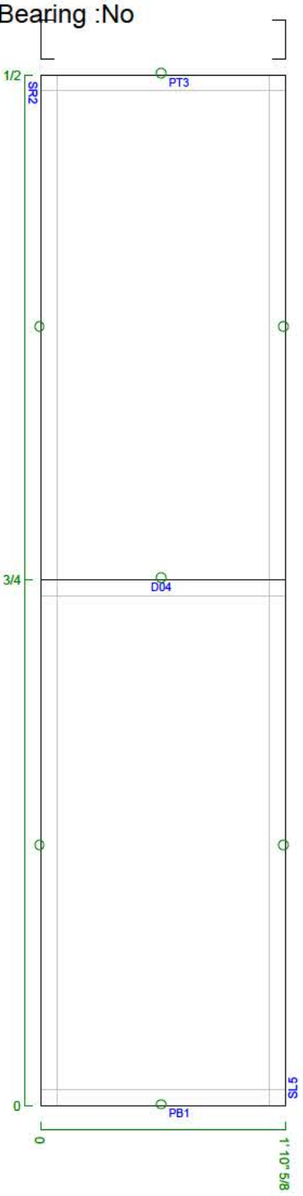
W-34 C3.5_1.5-20Ga-50Ksi
1 : 18
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	11' 3/8
SR2	90	7' 11" 1/2
PT3	0	11' 3/8
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	2'
SR7	90	7' 11" 1/2
D08	0	2'
SR9	90	7' 11" 1/2
D010	0	1' 1" 3/16
D011	0	3" 1/2
SL12	90	7' 11" 1/2
D013	0	2" 9/16
SL14	90	7' 11" 1/2
NT15	0	2' 8" 1/2
SL*16	90	7' 11" 1/2
SR17	90	1' 1"
BR18	67	1' 2" 1/8
BL19	67	1' 2" 1/8
BR20	67	1' 2" 1/8
BL21	67	1' 2" 1/8
SL22	90	1' 1"
SR*23	90	7' 11" 1/2
D024	0	9" 3/8
SL25	90	7' 11" 1/2

W-35 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



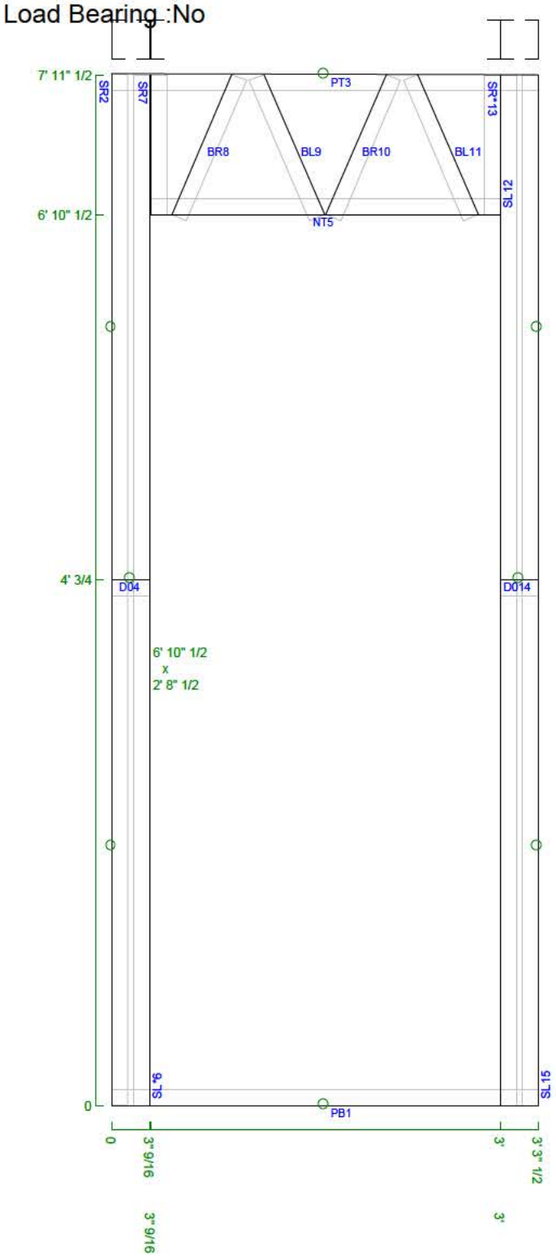
Items

Item	Pitch	Length
PB1	0	1' 10" 5/8
SR2	90	7' 11" 1/2
PT3	0	1' 10" 5/8
D04	0	1' 10" 5/8
SL5	90	7' 11" 1/2

Wall Frames Dimensions

Job Name	

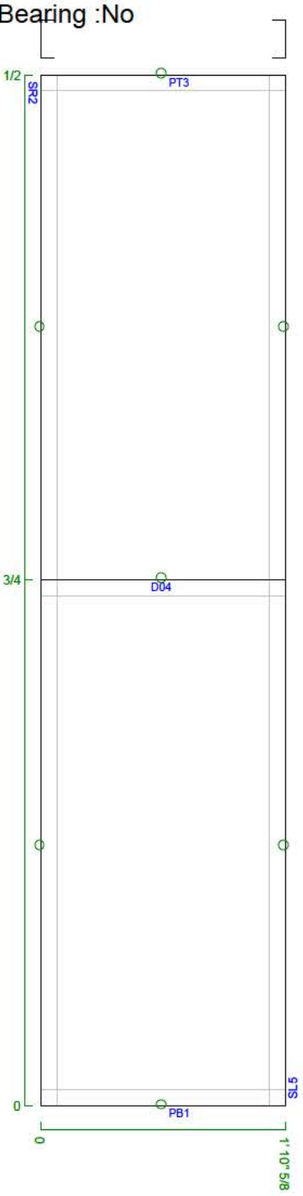
W-36 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 3" 1/2
SR2	90	7' 11" 1/2
PT3	0	3' 3" 1/2
D04	0	3" 9/16
NT5	0	2' 8" 1/2
SL*6	90	7' 11" 1/2
SR7	90	1' 1"
BR8	67	1' 2" 1/8
BL9	67	1' 2" 1/8
BR10	67	1' 2" 1/8
BL11	67	1' 2" 1/8
SL12	90	1' 1"
SR*13	90	7' 11" 1/2
D014	0	3" 7/16
SL15	90	7' 11" 1/2

W-37 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



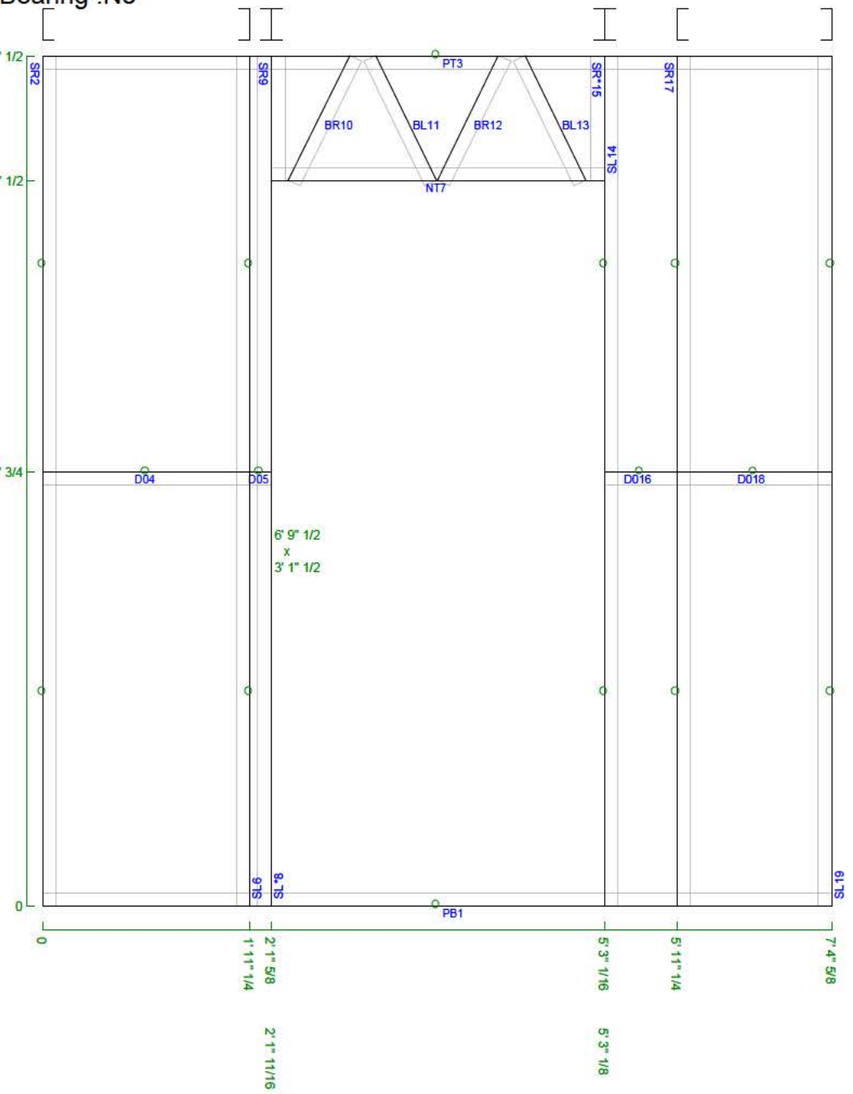
Items

Item	Pitch	Length
PB1	0	1' 10" 5/8
SR2	90	7' 11" 1/2
PT3	0	1' 10" 5/8
D04	0	1' 10" 5/8
SL5	90	7' 11" 1/2

Wall Frames Dimensions

Job Name	

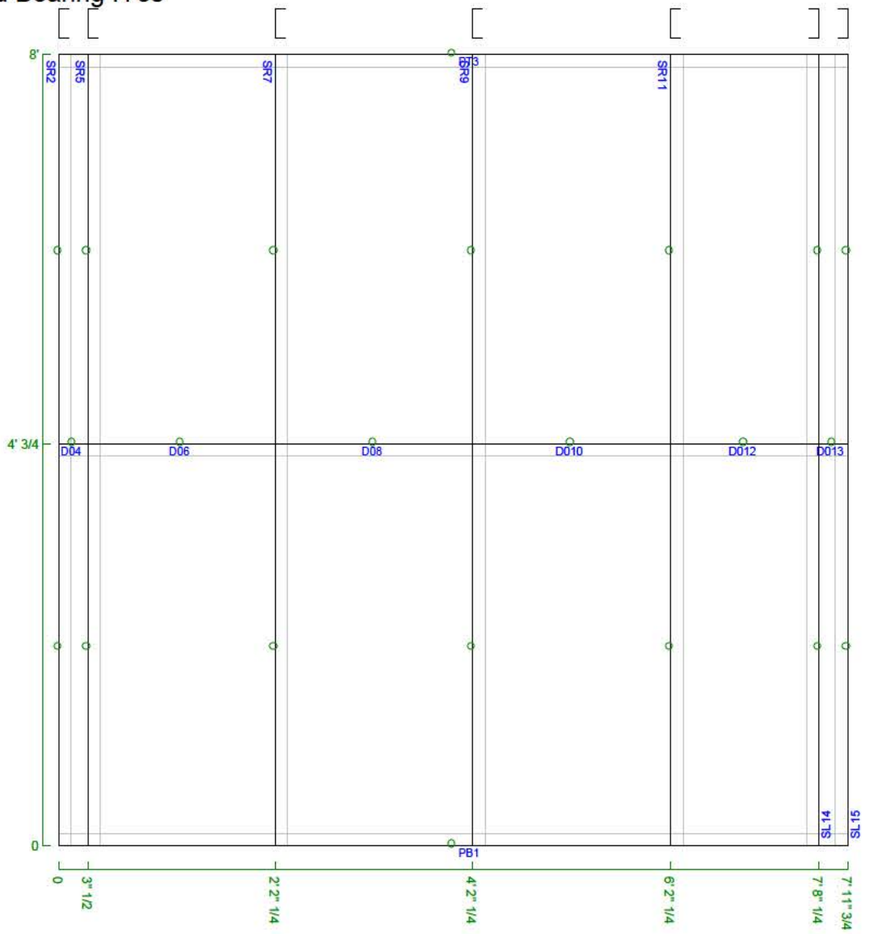
W-38 C3.5_1.5-20Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	7' 4" 5/8
SR2	90	7' 11" 1/2
PT3	0	7' 4" 5/8
D04	0	1' 11" 1/4
D05	0	2" 3/8
SL6	90	7' 11" 1/2
NT7	0	3' 1" 1/2
SL*8	90	7' 11" 1/2
SR9	90	1' 2"
BR10	64	1' 3" 9/16
BL11	64	1' 3" 9/16
BR12	64	1' 3" 9/16
BL13	64	1' 3" 9/16
SL14	90	1' 2"
SR*15	90	7' 11" 1/2
D016	0	8" 1/8
SR17	90	7' 11" 1/2
D018	0	1' 5" 3/8
SL19	90	7' 11" 1/2

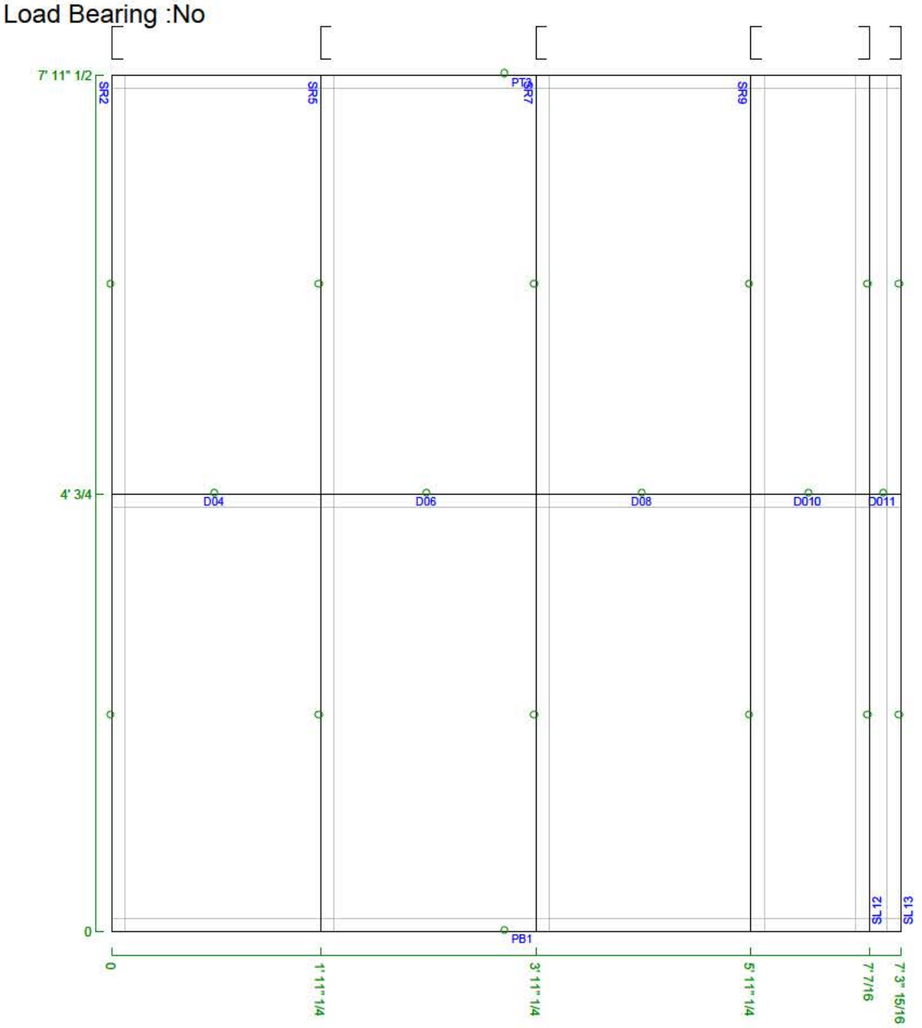
W-39 C3.5_1.5-20Ga-50Ksi
1 : 13
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	7' 11" 3/4
SR2	90	8'
PT3	0	7' 11" 3/4
D04	0	3" 1/2
SR5	90	8'
D06	0	1' 10" 3/4
SR7	90	8'
D08	0	2'
SR9	90	8'
D010	0	2'
SR11	90	8'
D012	0	1' 6"
D013	0	3" 1/2
SL14	90	8'
SL15	90	8'

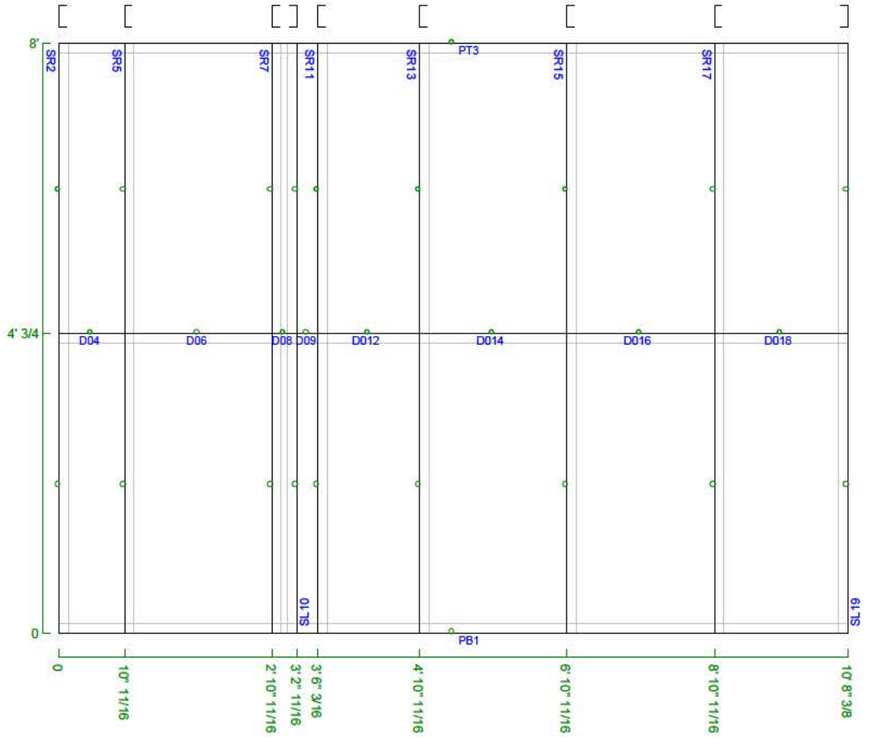
W-40 C3.5_1.5-20Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	7' 3" 15/16
SR2	90	7' 11" 1/2
PT3	0	7' 3" 15/16
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	2'
SR7	90	7' 11" 1/2
D08	0	2'
SR9	90	7' 11" 1/2
D010	0	1' 1" 3/16
D011	0	3" 1/2
SL12	90	7' 11" 1/2
SL13	90	7' 11" 1/2

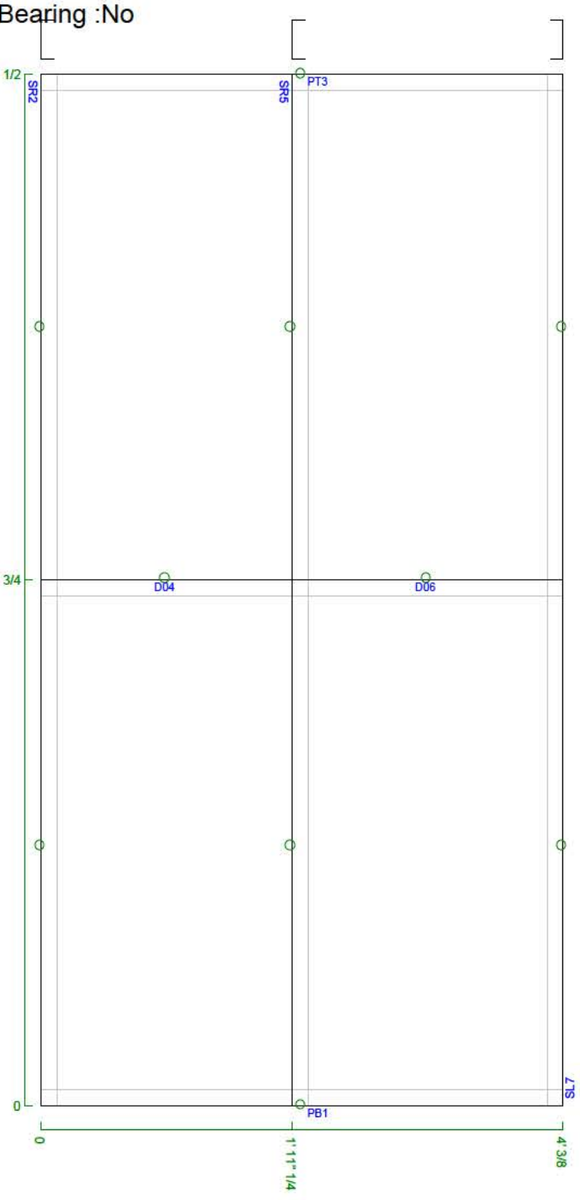
W-41 C3.5_1.5-20Ga-50Ksi
1 : 18
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	10' 8" 3/8
SR2	90	8'
PT3	0	10' 8" 3/8
D04	0	10" 11/16
SR5	90	8'
D06	0	2'
SR7	90	8'
D08	0	4"
D09	0	3" 1/2
SL10	90	8'
SR11	90	8'
D012	0	1' 4" 1/2
SR13	90	8'
D014	0	2'
SR15	90	8'
D016	0	2'
SR17	90	8'
D018	0	1' 9" 11/16
SL19	90	8'

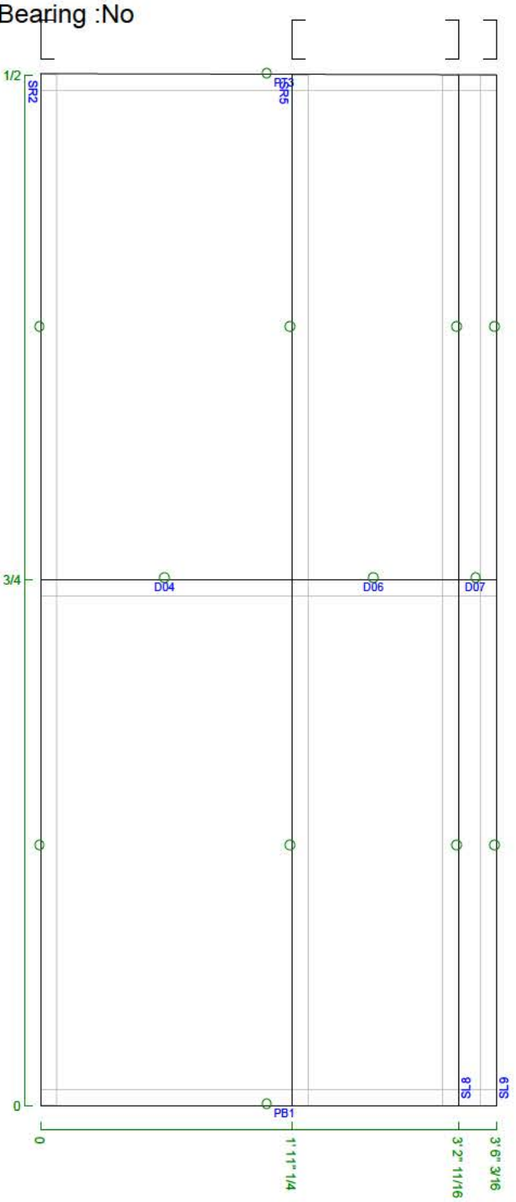
W-42 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 3/8
SR2	90	7' 11" 1/2
PT3	0	4' 3/8
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	2' 1" 1/8
SL7	90	7' 11" 1/2

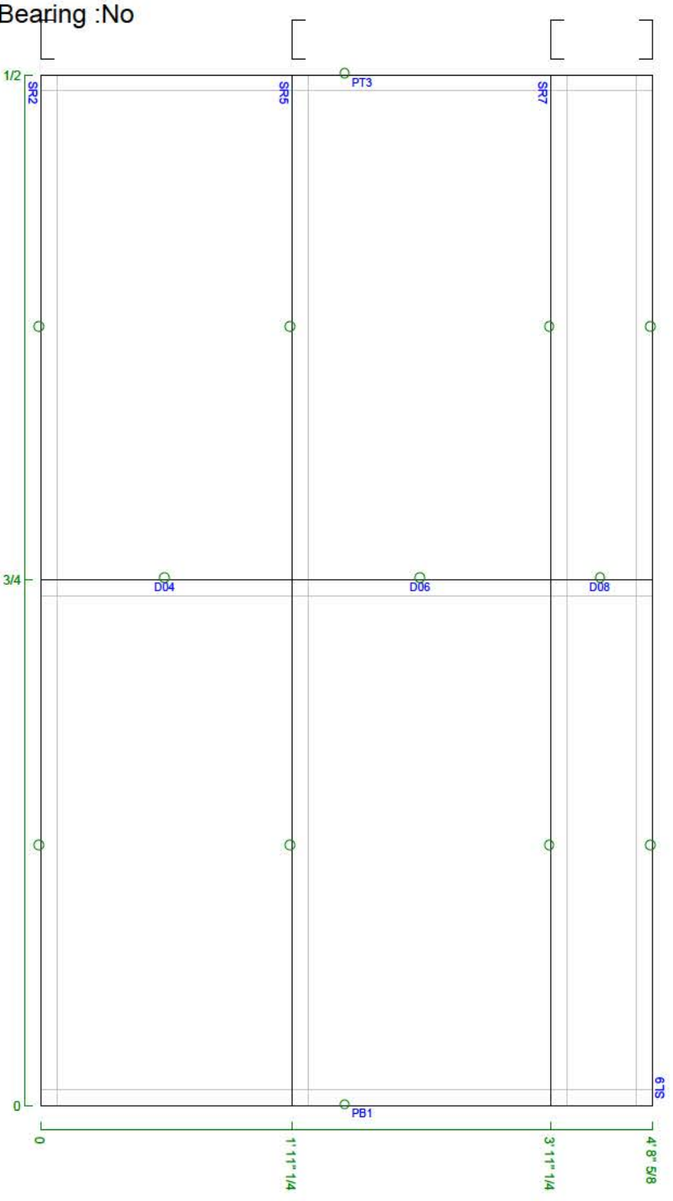
W-43 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 6" 3/16
SR2	90	7' 11" 1/2
PT3	0	3' 6" 3/16
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	1' 3" 7/16
D07	0	3" 1/2
SL8	90	7' 11" 1/2
SL9	90	7' 11" 1/2

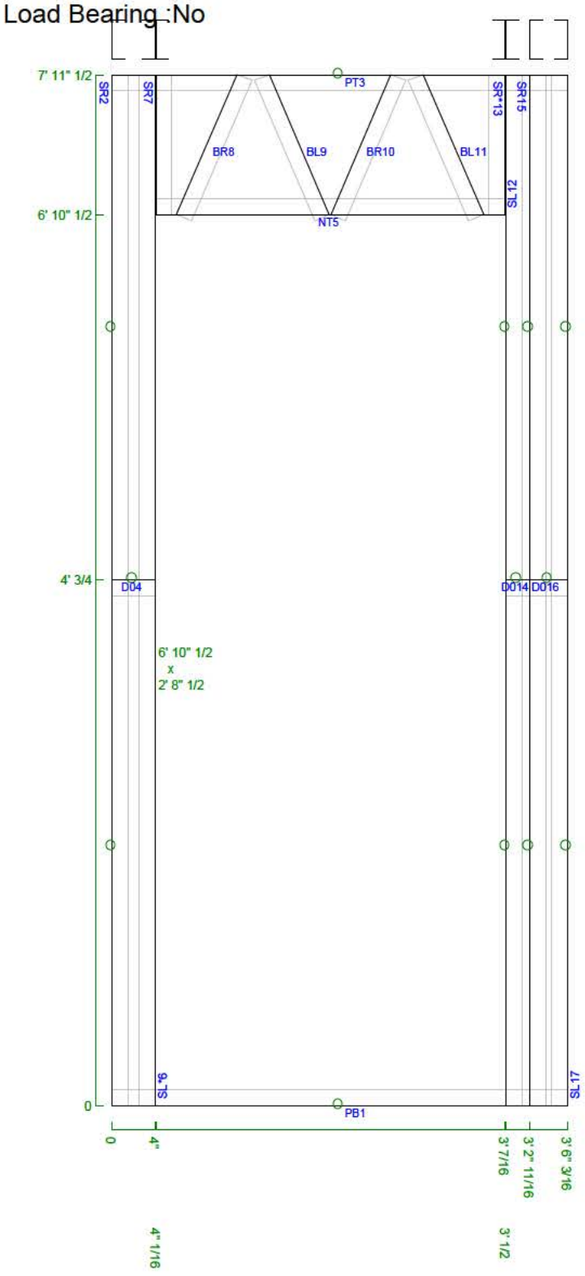
W-44 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 8" 5/8
SR2	90	7' 11" 1/2
PT3	0	4' 8" 5/8
D04	0	1' 11" 1/4
SR5	90	7' 11" 1/2
D06	0	2'
SR7	90	7' 11" 1/2
D08	0	9" 3/8
SL9	90	7' 11" 1/2

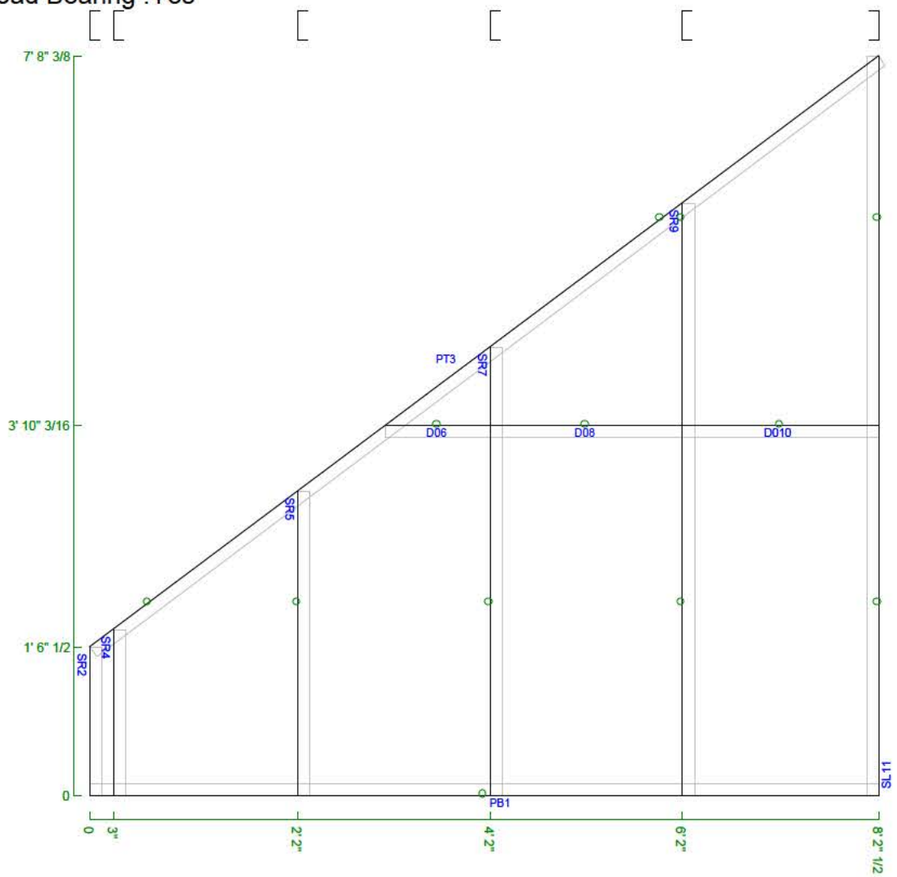
W-45 C3.5_1.5-20Ga-50Ksi
1 : 10
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 6" 3/16
SR2	90	7' 11" 1/2
PT3	0	3' 6" 3/16
D04	0	4"
NT5	0	2' 8" 1/2
SL*6	90	7' 11" 1/2
SR7	90	1' 1"
BR8	67	1' 2" 1/8
BL9	67	1' 2" 1/8
BR10	67	1' 2" 1/8
BL11	67	1' 2" 1/8
SL12	90	1' 1"
SR*13	90	7' 11" 1/2
D014	0	2" 3/16
SR15	90	7' 11" 1/2
D016	0	3" 1/2
SL17	90	7' 11" 1/2

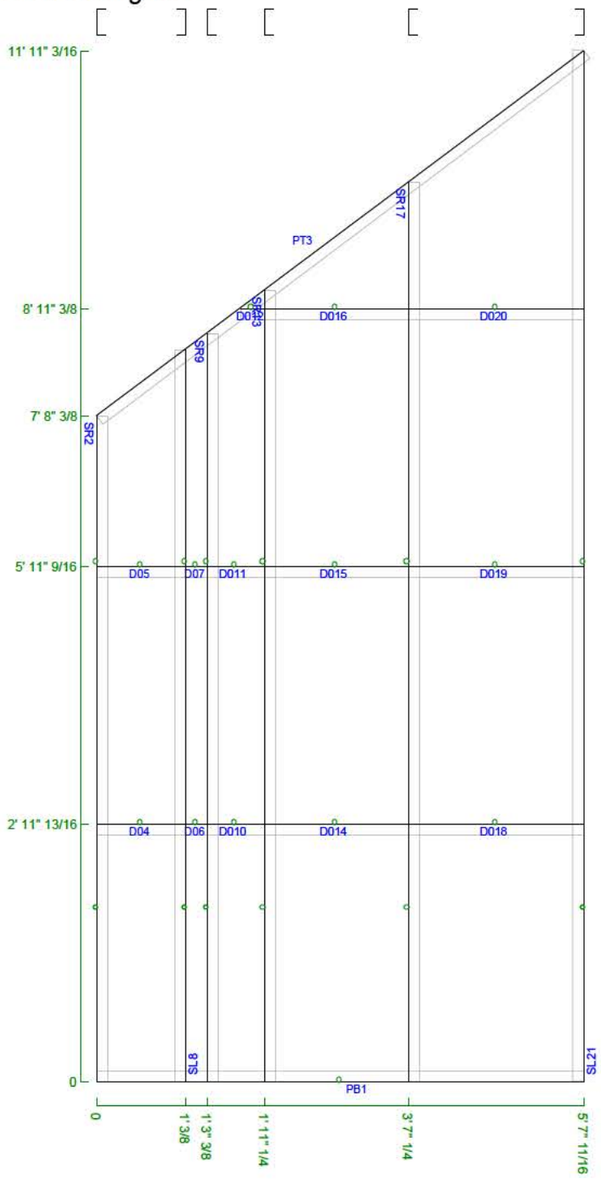
W-46 C3.5_1.5-18Ga-50Ksi
1 : 14
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	8' 2" 1/2
SR2	90	1' 6" 1/2
PT3	37	10' 3" 1/8
SR4	90	1' 8" 3/4
SR5	90	3' 2"
D06	0	1' 1" 1/16
SR7	90	4' 8"
D08	0	2'
SR9	90	6' 2"
D010	0	2' 1/2
SL11	90	7' 8" 3/8

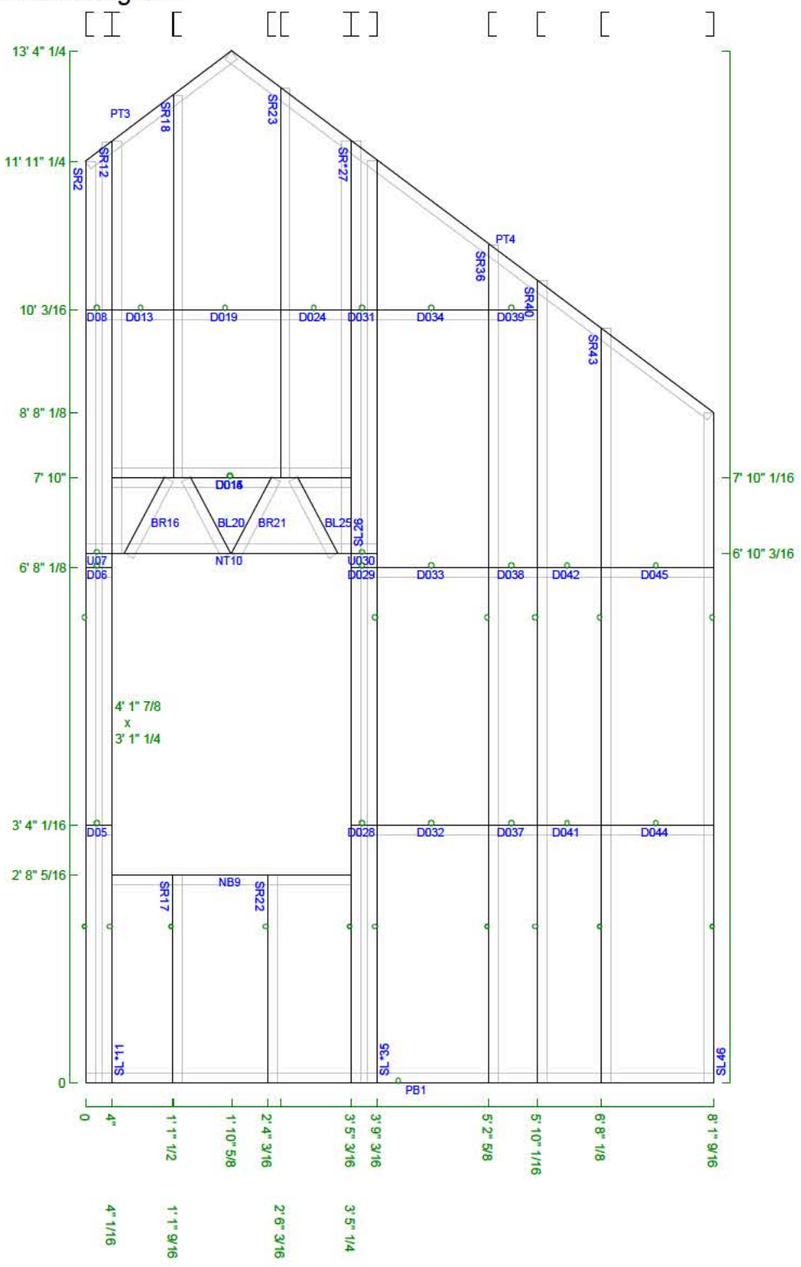
W-47 C3.5_1.5-18Ga-50Ksi
1 : 15
External Wall :No
Load Bearing :Yes



Items

Item	Pitch	Length
PB1	0	5' 7" 11/16
SR2	90	7' 8" 3/8
PT3	37	7' 5/8
D04	0	1' 3/8
D05	0	1' 3/8
D06	0	3"
D07	0	3"
SL8	90	8' 5" 11/16
SR9	90	8' 7" 15/16
D010	0	7" 7/8
D011	0	7" 7/8
D012	0	3" 1/4
SR13	90	9' 1" 13/16
D014	0	1' 8"
D015	0	1' 8"
D016	0	1' 8"
SR17	90	10' 4" 13/16
D018	0	2' 7/16
D019	0	2' 7/16
D020	0	2' 7/16
SL21	90	11' 11" 3/16

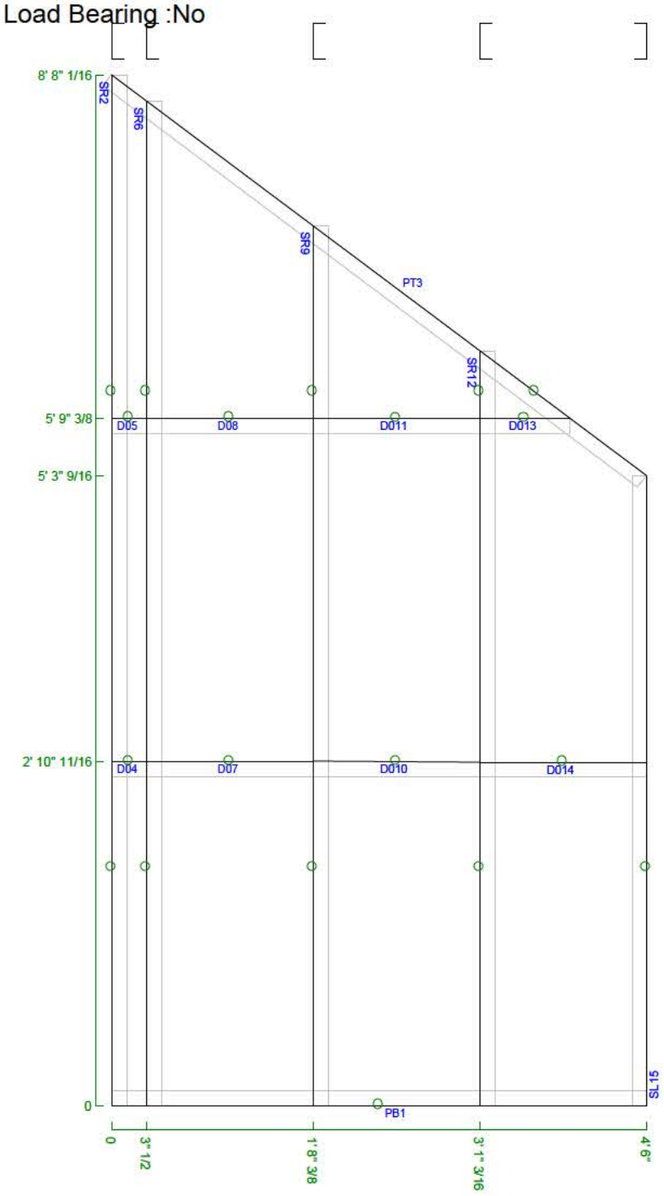
W-48 C3.5_1.5-18Ga-50Ksi
1 : 17
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	8' 1" 9/16
SR2	90	11' 11" 1/4
PT3	37	2' 4" 5/16
PT4	37	7' 9" 9/16
D05	0	4"
D06	0	4"
U07	0	4"
D08	0	4"
NB9	0	3' 1" 1/4
NT10	0	3' 1" 1/4
SL*11	90	12' 2" 1/4
SR12	90	5' 4" 1/8
D013	0	9" 1/2
D014	0	3' 1" 1/8
U015	0	3' 1" 1/8
BR16	62	1' 1" 3/8
SR17	90	2' 8" 5/16
SR18	90	4' 11" 5/16
D019	0	1' 4" 5/8
BL20	62	1' 1" 3/8
BR21	62	1' 1" 3/8
SR22	90	2' 8" 5/16
SR23	90	5' 1/2
D024	0	11"
BL25	62	1' 1" 3/8
SL26	90	5' 4" 1/8
SR*27	90	12' 2" 5/16
D028	0	3" 15/16
D029	0	3" 15/16
U030	0	3" 15/16
D031	0	3" 15/16
D032	0	1' 5" 7/16
D033	0	1' 5" 7/16
D034	0	1' 5" 7/16
SL*35	90	11' 11" 3/8
SR36	90	10' 10" 1/4
D037	0	7" 7/16
D038	0	7" 7/16
D039	0	7" 7/16
SR40	90	10' 4" 11/16
D041	0	10"
D042	0	10"
SR43	90	9' 9" 3/16
D044	0	1' 5" 7/16
D045	0	1' 5" 7/16
SL46	90	8' 8" 1/8

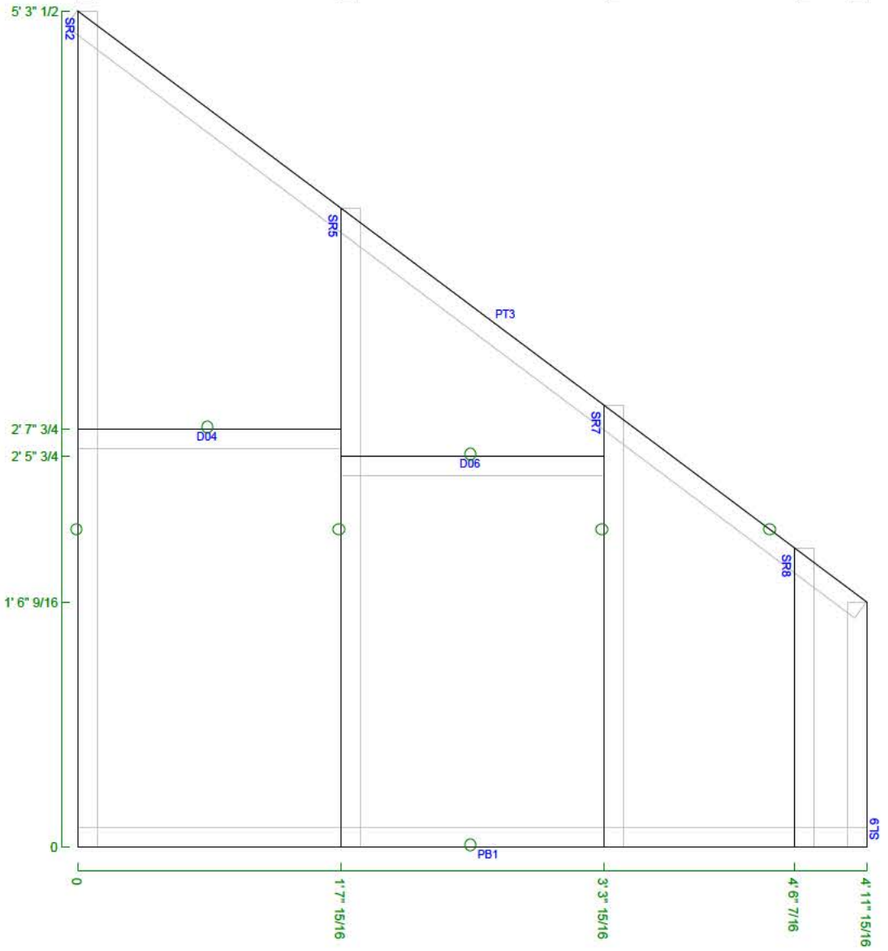
W-49 C3.5_1.5-18Ga-50Ksi
1 : 11
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 6"
SR2	90	8' 8" 1/16
PT3	37	5' 7" 1/2
D04	0	3" 1/2
D05	0	3" 1/2
SR6	90	8' 5" 7/16
D07	0	1' 4" 13/16
D08	0	1' 4" 13/16
SR9	90	7' 4" 13/16
D010	0	1' 4" 13/16
D011	0	1' 4" 13/16
SR12	90	6' 4" 3/16
D013	0	9" 1/8
D014	0	1' 4" 13/16
SL15	90	5' 3" 9/16

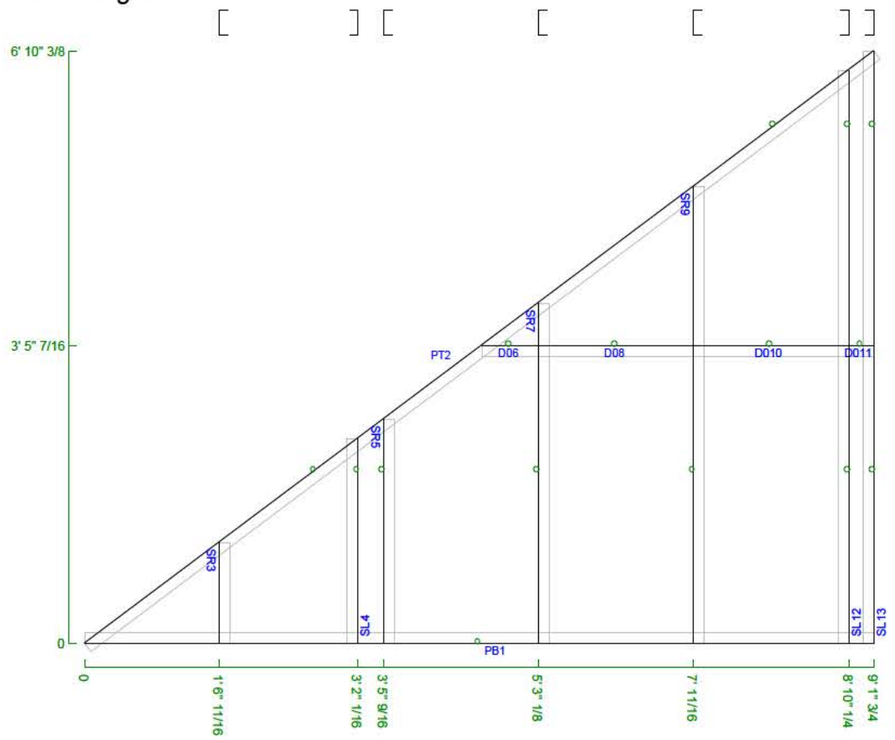
W-50 C3.5_1.5-18Ga-50Ksi
1 : 8
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	4' 11" 15/16
SR2	90	5' 3" 1/2
PT3	37	6' 2" 15/16
D04	0	1' 7" 15/16
SR5	90	4' 9/16
D06	0	1' 7" 15/16
SR7	90	2' 9" 9/16
SR8	90	1' 10" 11/16
SL9	90	1' 6" 9/16

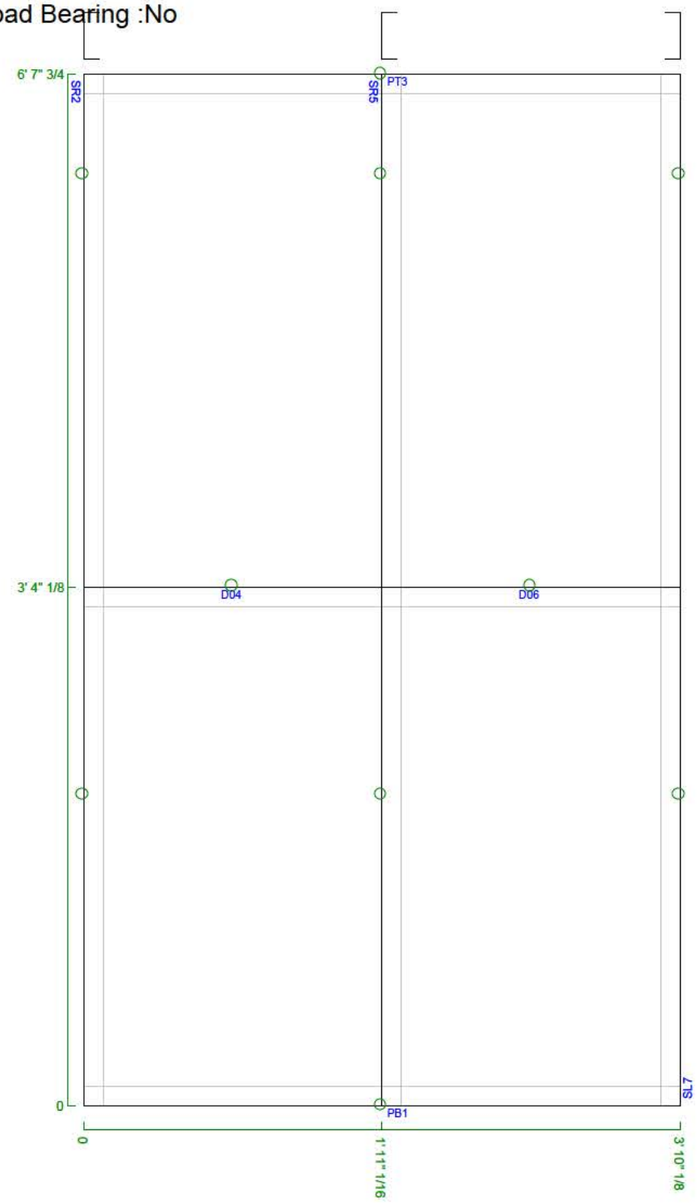
W-51 C3.5_1.5-20Ga-50Ksi
1 : 15
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	9' 1" 3/4
PT2	37	11' 5" 1/4
SR3	90	1' 2"
SL4	90	2' 4" 9/16
SR5	90	2' 7" 1/8
D06	0	7" 7/8
SR7	90	3' 11" 3/8
D08	0	1' 9" 9/16
SR9	90	5' 3" 9/16
D010	0	1' 9" 9/16
D011	0	3" 1/2
SL12	90	6' 7" 3/4
SL13	90	6' 10" 3/8

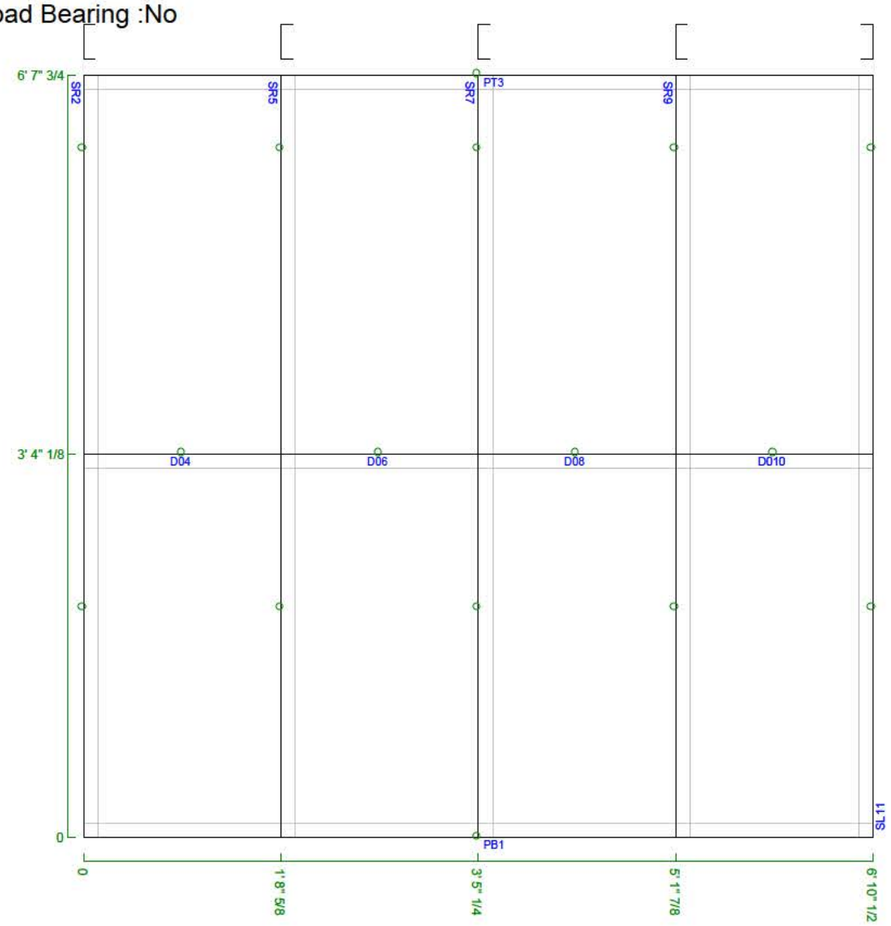
W-52 C3.5_1.5-20Ga-50Ksi
1 : 9
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 10" 1/8
SR2	90	6' 7" 3/4
PT3	0	3' 10" 1/8
D04	0	1' 11" 1/16
SR5	90	6' 7" 3/4
D06	0	1' 11" 1/16
SL7	90	6' 7" 3/4

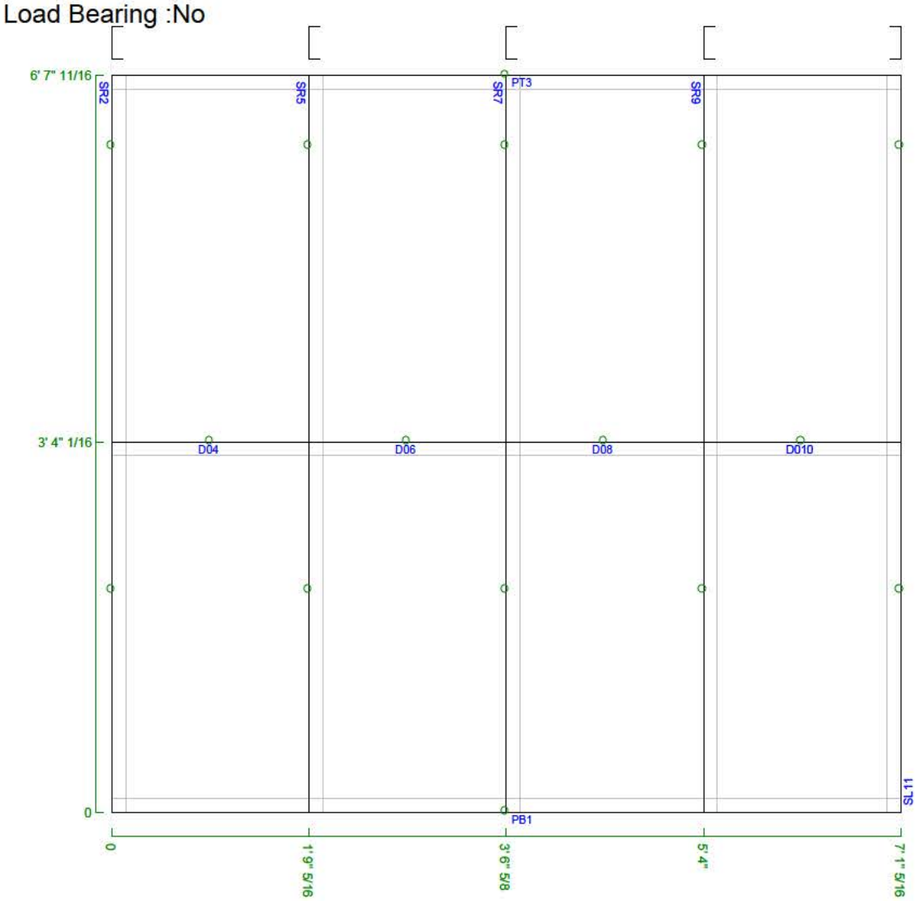
W-53 C3.5_1.5-20Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	6' 10" 1/2
SR2	90	6' 7" 3/4
PT3	0	6' 10" 1/2
D04	0	1' 8" 5/8
SR5	90	6' 7" 3/4
D06	0	1' 8" 5/8
SR7	90	6' 7" 3/4
D08	0	1' 8" 5/8
SR9	90	6' 7" 3/4
D010	0	1' 8" 5/8
SL11	90	6' 7" 3/4

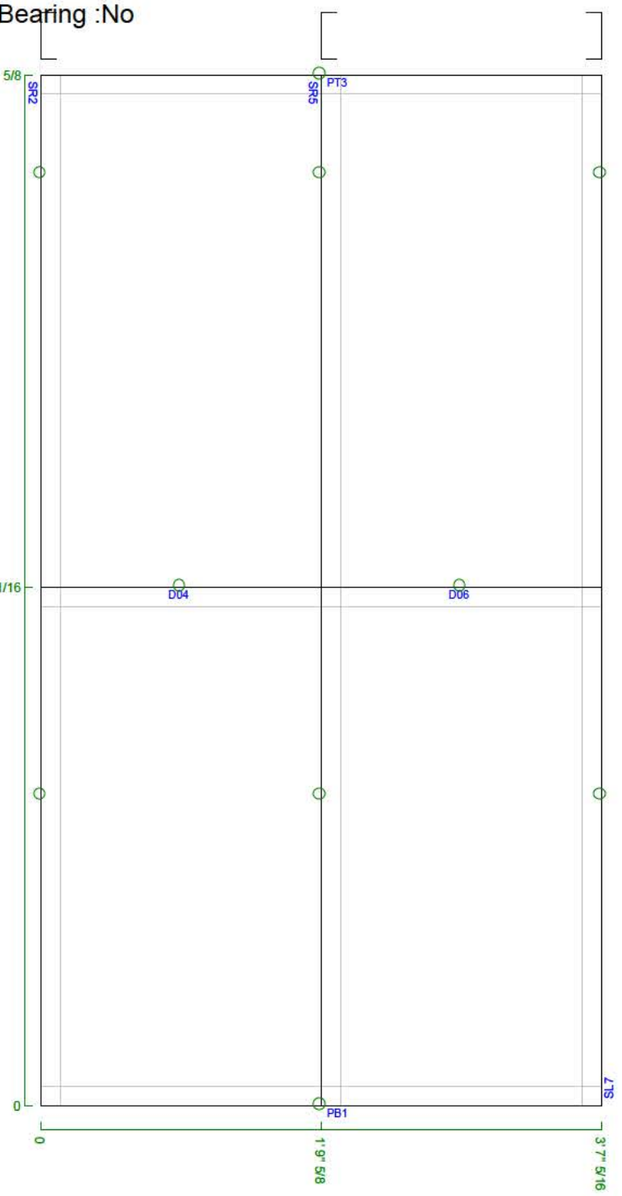
W-54 C3.5_1.5-20Ga-50Ksi
1 : 12
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	7' 1" 5/16
SR2	90	6' 7" 11/16
PT3	0	7' 1" 5/16
D04	0	1' 9" 5/16
SR5	90	6' 7" 11/16
D06	0	1' 9" 5/16
SR7	90	6' 7" 11/16
D08	0	1' 9" 5/16
SR9	90	6' 7" 11/16
D010	0	1' 9" 5/16
SL11	90	6' 7" 11/16

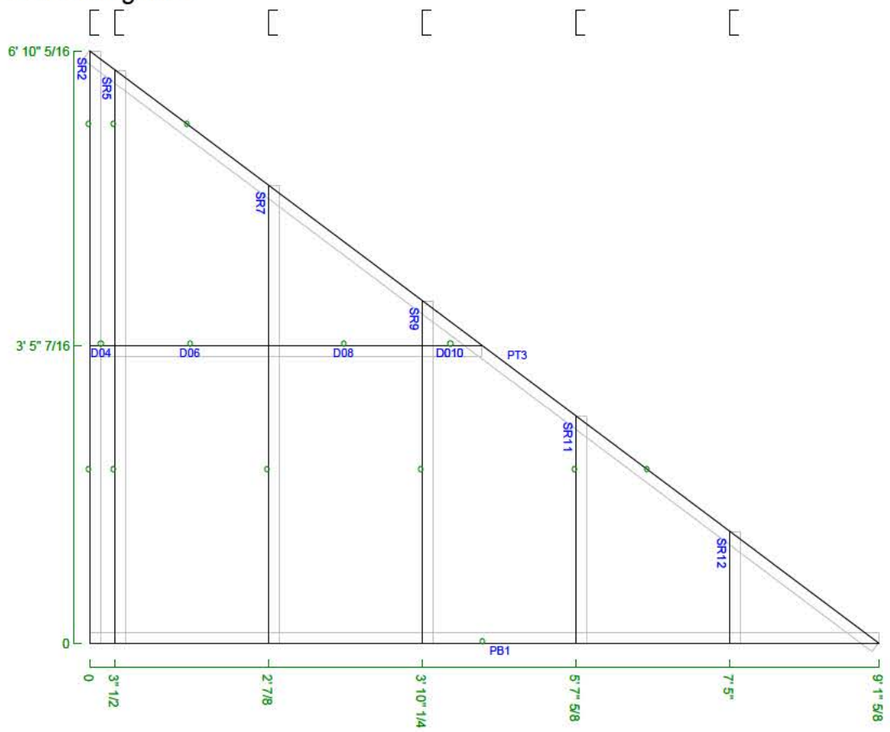
W-55 C3.5_1.5-20Ga-50Ksi
1 : 8
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	3' 7" 5/16
SR2	90	6' 7" 5/8
PT3	0	3' 7" 5/16
D04	0	1' 9" 5/8
SR5	90	6' 7" 5/8
D06	0	1' 9" 5/8
SL7	90	6' 7" 5/8

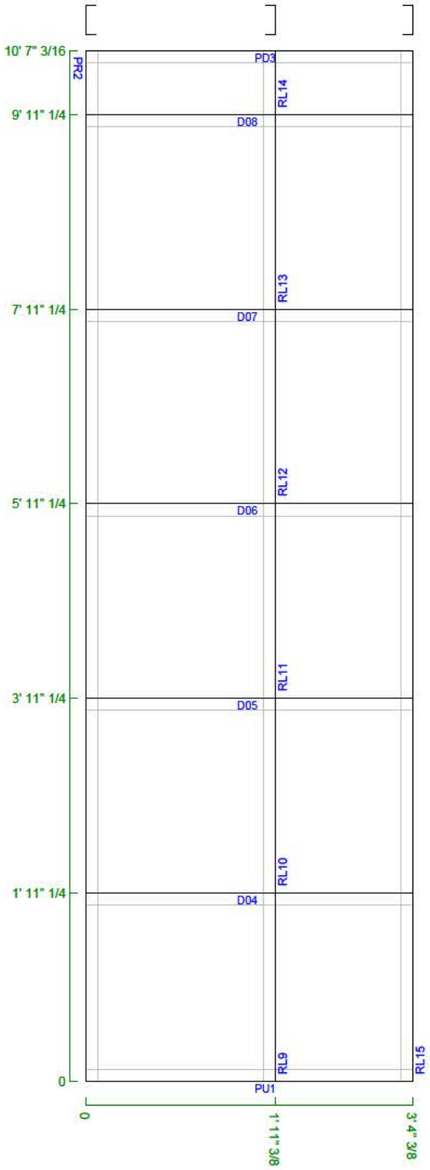
W-56 C3.5_1.5-20Ga-50Ksi
1 : 15
External Wall :No
Load Bearing :No



Items

Item	Pitch	Length
PB1	0	9' 1" 5/8
SR2	90	6' 10" 5/16
PT3	37	11' 5" 1/16
D04	0	3" 1/2
SR5	90	6' 7" 11/16
D06	0	1' 9" 3/8
SR7	90	5' 3" 5/8
D08	0	1' 9" 3/8
SR9	90	3' 11" 5/8
D010	0	8" 1/4
SR11	90	2' 7" 9/16
SR12	90	1' 3" 1/2

R2 C3.5_1.5-20Ga-50Ksi
1 : 14



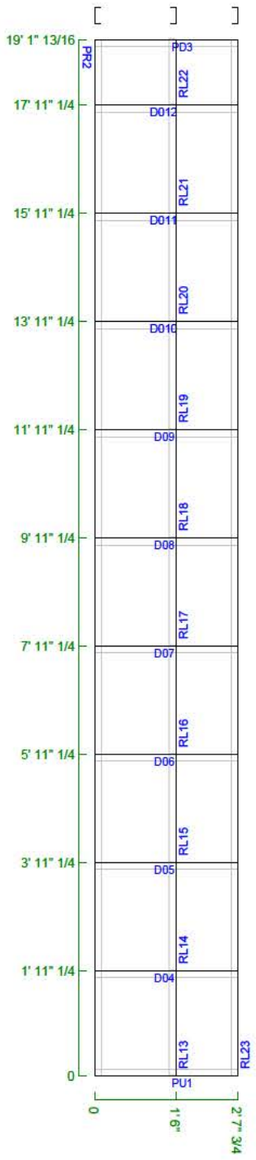
Items

Item	Pitch	Length
PU1	0	3' 4" 3/8
PR2	90	10' 7" 3/16
PD3	0	3' 4" 3/8
D04	0	3' 4" 3/8
D05	0	3' 4" 3/8
D06	0	3' 4" 3/8
D07	0	3' 4" 3/8
D08	0	3' 4" 3/8
RL9	90	1' 11" 1/4
RL10	90	2"
RL11	90	2"
RL12	90	2"
RL13	90	2"
RL14	90	7" 15/16
RL15	90	10' 7" 3/16

Roof Frames Dimensions

Job Name	

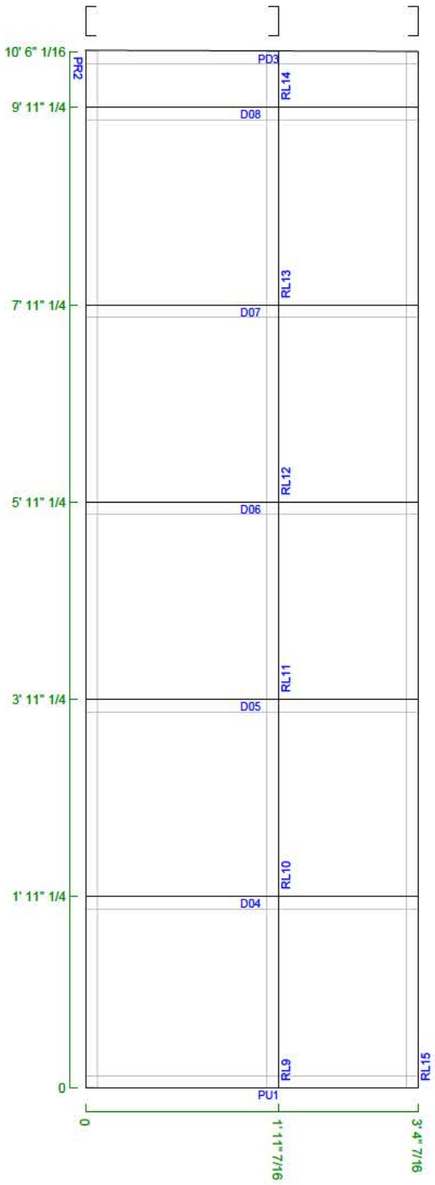
R8 C3.5_1.5-20Ga-50Ksi
1 : 24



Items

Item	Pitch	Length
PU1	0	2' 7" 3/4
PR2	90	19' 1" 13/16
PD3	0	2' 7" 3/4
D04	0	2' 7" 3/4
D05	0	2' 7" 3/4
D06	0	2' 7" 3/4
D07	0	2' 7" 3/4
D08	0	2' 7" 3/4
D09	0	2' 7" 3/4
D010	0	2' 7" 3/4
D011	0	2' 7" 3/4
D012	0	2' 7" 3/4
RL13	90	1' 11" 1/4
RL14	90	2'
RL15	90	2'
RL16	90	2'
RL17	90	2'
RL18	90	2'
RL19	90	2'
RL20	90	2'
RL21	90	2'
RL22	90	1' 2" 5/8
RL23	90	19' 1" 13/16

R9 C3.5_1.5-20Ga-50Ksi
1 : 13



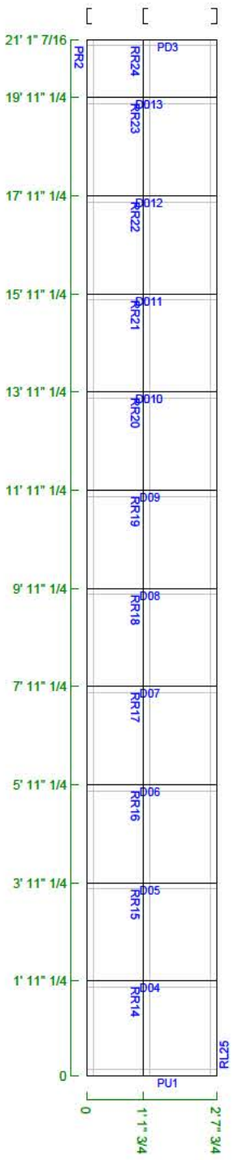
Items

Item	Pitch	Length
PU1	0	3' 4" 7/16
PR2	90	10' 6" 1/16
PD3	0	3' 4" 7/16
D04	0	3' 4" 7/16
D05	0	3' 4" 7/16
D06	0	3' 4" 7/16
D07	0	3' 4" 7/16
D08	0	3' 4" 7/16
RL9	90	1' 11" 1/4
RL10	90	2'
RL11	90	2'
RL12	90	2'
RL13	90	2'
RL14	90	6" 13/16
RL15	90	10' 6" 1/16

Roof Frames Dimensions

Job Name	

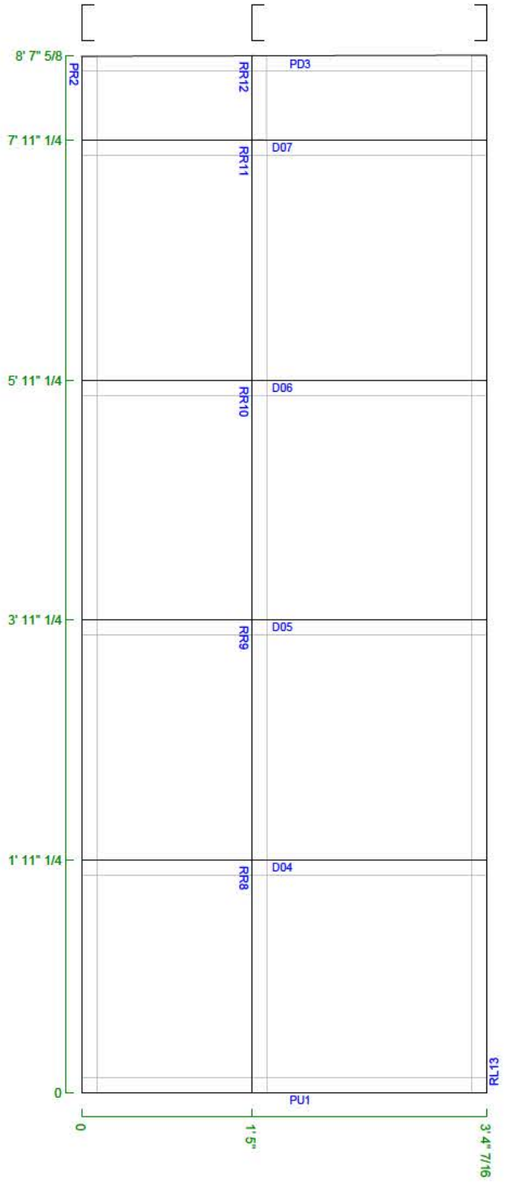
RT4 C3.5_1.5-20Ga-50Ksi
1 : 27



Items

Item	Pitch	Length
PU1	0	2' 7" 3/4
PR2	90	21' 1" 7/16
PD3	0	2' 7" 3/4
D04	0	2' 7" 3/4
D05	0	2' 7" 3/4
D06	0	2' 7" 3/4
D07	0	2' 7" 3/4
D08	0	2' 7" 3/4
D09	0	2' 7" 3/4
D010	0	2' 7" 3/4
D011	0	2' 7" 3/4
D012	0	2' 7" 3/4
D013	0	2' 7" 3/4
RR14	90	1' 11" 1/4
RR15	90	2'
RR16	90	2'
RR17	90	2'
RR18	90	2'
RR19	90	2'
RR20	90	2'
RR21	90	2'
RR22	90	2'
RR23	90	2'
RR24	90	1' 2" 3/16
RL25	90	21' 1" 7/16

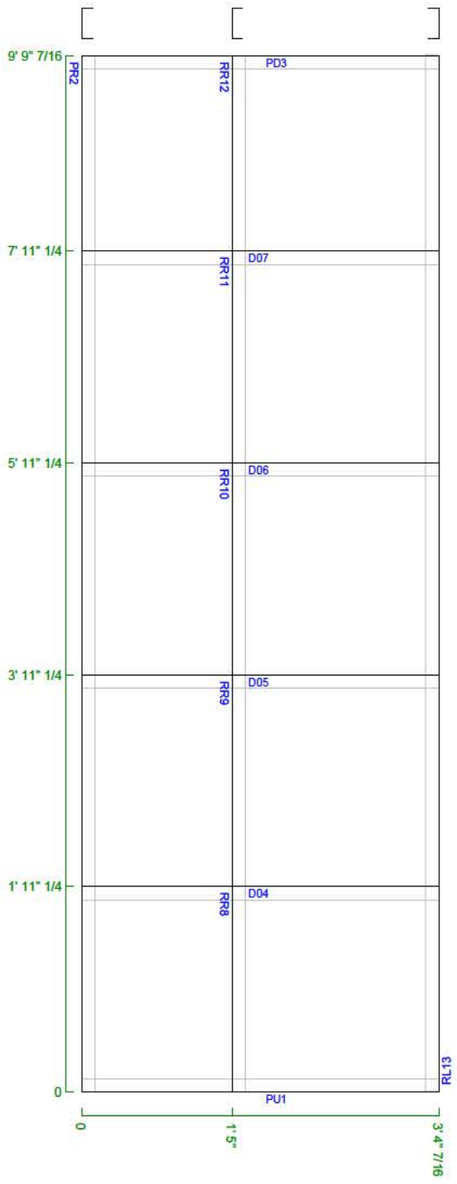
RT7 C3.5_1.5-20Ga-50Ksi
1 : 11



Items

Item	Pitch	Length
PU1	0	3' 4" 7/16
PR2	90	8' 7" 5/8
PD3	0	3' 4" 7/16
D04	0	3' 4" 7/16
D05	0	3' 4" 7/16
D06	0	3' 4" 7/16
D07	0	3' 4" 7/16
RR8	90	1' 11" 1/4
RR9	90	2'
RR10	90	2'
RR11	90	2'
RR12	90	8" 3/8
RL13	90	8' 7" 5/8

RT8 C3.5_1.5-20Ga-50Ksi
1 : 12



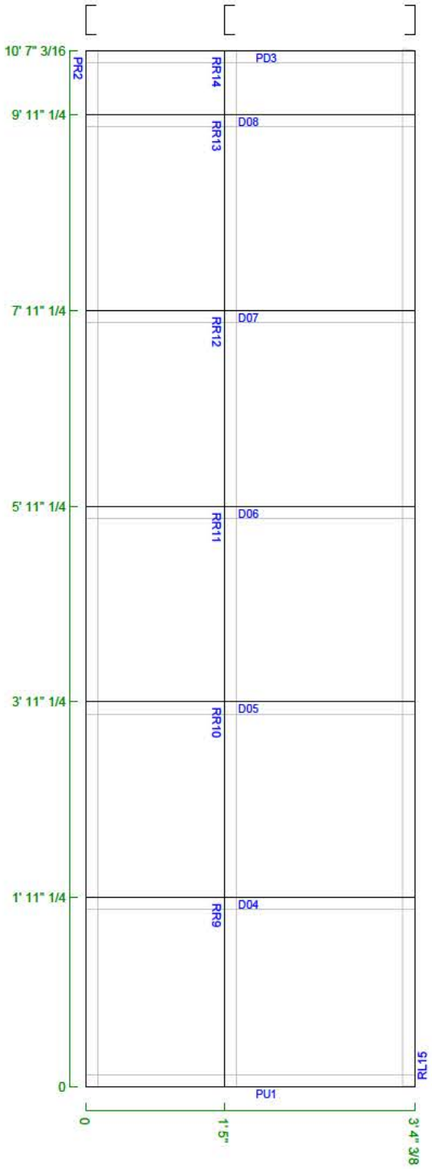
Items

Item	Pitch	Length
PU1	0	3' 4" 7/16
PR2	90	9' 9" 7/16
PD3	0	3' 4" 7/16
D04	0	3' 4" 7/16
D05	0	3' 4" 7/16
D06	0	3' 4" 7/16
D07	0	3' 4" 7/16
RR8	90	1' 11" 1/4
RR9	90	2'
RR10	90	2'
RR11	90	2'
RR12	90	1' 10" 3/16
RL13	90	9' 9" 7/16

Roof Frames Dimensions

Job Name	

RT9 C3.5_1.5-20Ga-50Ksi
1 : 13



Items

Item	Pitch	Length
PU1	0	3' 4" 3/8
PR2	90	10' 7" 3/16
PD3	0	3' 4" 3/8
D04	0	3' 4" 3/8
D05	0	3' 4" 3/8
D06	0	3' 4" 3/8
D07	0	3' 4" 3/8
D08	0	3' 4" 3/8
RR9	90	1' 11" 1/4
RR10	90	2'
RR11	90	2'
RR12	90	2'
RR13	90	2'
RR14	90	7" 15/16
RL15	90	10' 7" 3/16

Truss F1

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 5" 1/16
Floor Dead Load (psf)	10.000
Floor Live Load (psf)	60.000
Floor Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	13' 2" 3/4
Height (Arch)	1'
Loaded Width (Arch)	1' 5" 1/16
Screw Spacing (Arch)	9" 13/16
Batten Spacing (Arch)	2'
BC Span (Arch)	13' 2" 3/4
Steel (Arch)	45' 11" 15/16
Weight (lb)	54.96
Max. Deflection Up (in)	0 (Node: 36 - SLS-002)
Max. Deflection Down (in)	-0.286 (Node: 9 - SLS-003)
Max CR - Top Chord	0.768
Max CR - Bottom Chord	0.640
Status	Pass

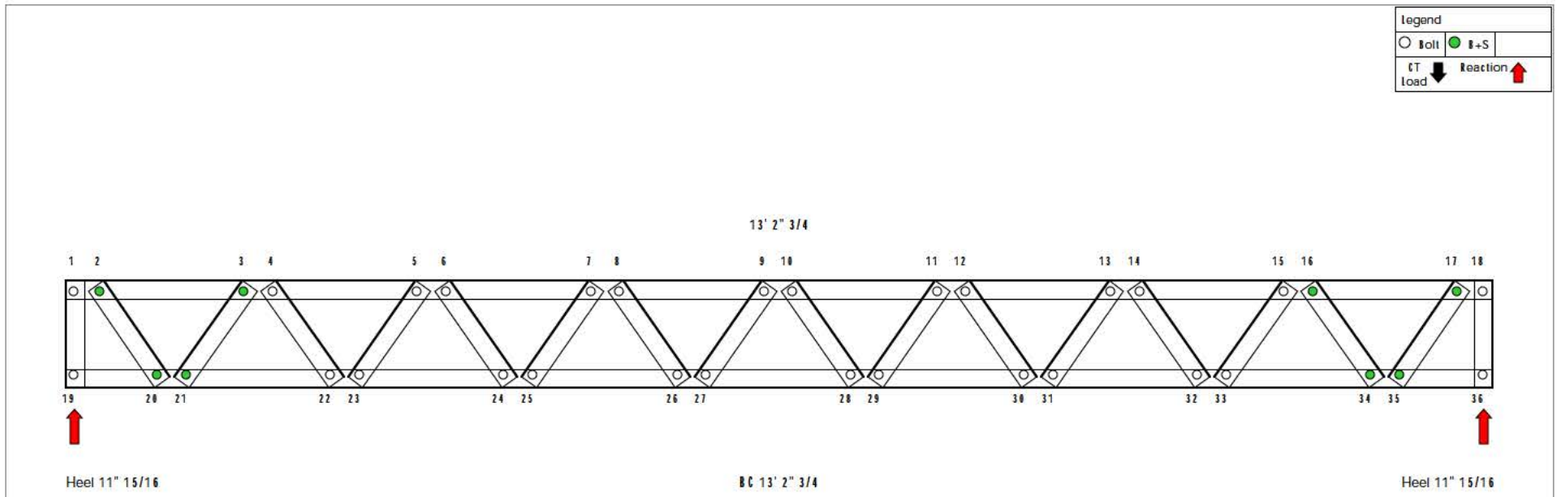
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	28	-0.282	0.662	0.427	SLS-003
Live	28	-0.212	0.441	0.480	SLS-002

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	26	0.286	0.662	0.433	SLS-003
Live	26	0.215	0.441	0.487	SLS-002

Truss F1



Reactions (lb)

Reaction @ Node 36	
Max. Ult	1115.916 (ULS-002)
Min. Ult	260.380 (ULS-001)

Reaction @ Node 19	
Max. Ult	1115.916 (ULS-002)
Min. Ult	260.380 (ULS-001)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Joint
1	(0.005, -0.113)	-0.001 (SLS-003)	-0.001 (SLS-002)	Bolt
2	(0.324, -0.113)	-0.026 (SLS-003)	-0.020 (SLS-002)	B+S
3	(1.658, -0.113)	-0.115 (SLS-003)	-0.086 (SLS-002)	B+S
4	(1.925, -0.113)	-0.133 (SLS-003)	-0.100 (SLS-002)	Bolt
5	(3.266, -0.113)	-0.203 (SLS-003)	-0.152 (SLS-002)	Bolt
6	(3.533, -0.113)	-0.217 (SLS-003)	-0.163 (SLS-002)	Bolt
7	(4.874, -0.113)	-0.263 (SLS-003)	-0.197 (SLS-002)	Bolt
8	(5.141, -0.113)	-0.270 (SLS-003)	-0.202 (SLS-002)	Bolt
9	(6.482, -0.113)	-0.286 (SLS-003)	-0.214 (SLS-002)	Bolt
10	(6.749, -0.113)	-0.286 (SLS-003)	-0.214 (SLS-002)	Bolt
11	(8.090, -0.113)	-0.270 (SLS-003)	-0.202 (SLS-002)	Bolt
12	(8.357, -0.113)	-0.263 (SLS-003)	-0.197 (SLS-002)	Bolt
13	(9.698, -0.113)	-0.217 (SLS-003)	-0.162 (SLS-002)	Bolt
14	(9.965, -0.113)	-0.203 (SLS-003)	-0.152 (SLS-002)	Bolt
15	(11.306, -0.113)	-0.133 (SLS-003)	-0.100 (SLS-002)	Bolt
16	(11.572, -0.113)	-0.115 (SLS-003)	-0.086 (SLS-002)	B+S
17	(12.907, -0.113)	-0.026 (SLS-003)	-0.020 (SLS-002)	B+S
18	(13.145, -0.113)	-0.001 (SLS-003)	-0.001 (SLS-002)	Bolt
19	(0.005, -0.887)	0 (SLS-003)	0 (SLS-002)	Bolt
20	(0.854, -0.887)	-0.059 (SLS-003)	-0.045 (SLS-002)	B+S
21	(1.122, -0.887)	-0.082 (SLS-003)	-0.062 (SLS-002)	B+S
22	(2.462, -0.887)	-0.162 (SLS-003)	-0.122 (SLS-002)	Bolt
23	(2.729, -0.887)	-0.178 (SLS-003)	-0.133 (SLS-002)	Bolt
24	(4.070, -0.887)	-0.237 (SLS-003)	-0.178 (SLS-002)	Bolt
25	(4.337, -0.887)	-0.247 (SLS-003)	-0.186 (SLS-002)	Bolt
26	(5.678, -0.887)	-0.279 (SLS-003)	-0.209 (SLS-002)	Bolt
27	(5.945, -0.887)	-0.282 (SLS-003)	-0.212 (SLS-002)	Bolt
28	(7.285, -0.887)	-0.282 (SLS-003)	-0.212 (SLS-002)	Bolt
29	(7.552, -0.887)	-0.279 (SLS-003)	-0.209 (SLS-002)	Bolt
30	(8.893, -0.887)	-0.247 (SLS-003)	-0.186 (SLS-002)	Bolt

Node	Position (x,y)	Dead + Live	Live	Joint
31	(9.160, -0.887)	-0.237 (SLS-003)	-0.178 (SLS-002)	Bolt
32	(10.501, -0.887)	-0.178 (SLS-003)	-0.133 (SLS-002)	Bolt
33	(10.768, -0.887)	-0.162 (SLS-003)	-0.122 (SLS-002)	Bolt
34	(12.109, -0.887)	-0.082 (SLS-003)	-0.062 (SLS-002)	B+S
35	(12.376, -0.887)	-0.059 (SLS-003)	-0.045 (SLS-002)	B+S
36	(13.145, -0.887)	0 (SLS-003)	0 (SLS-002)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.612	0.705	OK
2 - 3	0.137	0.000	0.612	0.749	OK
3 - 4	0.254	0.000	0.339	0.593	OK
4 - 5	0.385	0.000	0.241	0.626	OK
5 - 6	0.425	0.000	0.201	0.626	OK
6 - 7	0.531	0.000	0.201	0.733	OK
7 - 8	0.525	0.000	0.130	0.655	OK
8 - 9	0.607	0.000	0.161	0.768	OK
9 - 10	0.559	0.000	0.044	0.603	OK
10 - 11	0.607	0.000	0.161	0.768	OK
11 - 12	0.525	0.000	0.130	0.655	OK
12 - 13	0.531	0.000	0.201	0.733	OK
13 - 14	0.425	0.000	0.201	0.626	OK
14 - 15	0.385	0.000	0.241	0.626	OK
15 - 16	0.254	0.000	0.339	0.593	OK
16 - 17	0.137	0.000	0.612	0.749	OK
17 - 18	0.000	0.000	0.612	0.705	OK
Bottom Chord					
19 - 20	0.000	0.000	0.253	0.257	OK
20 - 21	0.000	0.099	0.457	0.590	OK
21 - 22	0.000	0.205	0.551	0.640	OK
22 - 23	0.000	0.279	0.235	0.503	OK
23 - 24	0.000	0.343	0.283	0.566	OK
24 - 25	0.000	0.386	0.204	0.580	OK
25 - 26	0.000	0.424	0.246	0.618	OK
26 - 27	0.000	0.440	0.119	0.554	OK
27 - 28	0.000	0.451	0.153	0.564	OK
28 - 29	0.000	0.440	0.119	0.554	OK
29 - 30	0.000	0.424	0.246	0.618	OK
30 - 31	0.000	0.386	0.204	0.580	OK
31 - 32	0.000	0.343	0.283	0.566	OK
32 - 33	0.000	0.279	0.235	0.503	OK
33 - 34	0.000	0.205	0.551	0.640	OK
34 - 35	0.000	0.100	0.457	0.590	OK
35 - 36	0.000	0.000	0.253	0.257	OK
Webs					
19 - 1	0.167	0.000	0.000	0.167	OK
36 - 18	0.167	0.000	0.000	0.167	OK
2 - 20	0.000	0.239	0.000	0.239	OK
21 - 3	0.257	0.000	0.000	0.257	OK
4 - 22	0.000	0.177	0.000	0.177	OK
23 - 5	0.155	0.000	0.000	0.155	OK
6 - 24	0.000	0.102	0.000	0.102	OK
25 - 7	0.093	0.000	0.000	0.093	OK
8 - 26	0.000	0.040	0.000	0.040	OK
27 - 9	0.026	0.000	0.000	0.026	OK
10 - 28	0.026	0.000	0.000	0.026	OK
29 - 11	0.000	0.040	0.000	0.040	OK
12 - 30	0.093	0.000	0.000	0.093	OK
31 - 13	0.000	0.102	0.000	0.102	OK
14 - 32	0.155	0.000	0.000	0.155	OK
33 - 15	0.000	0.177	0.000	0.177	OK
16 - 34	0.257	0.000	0.000	0.257	OK
35 - 17	0.000	0.239	0.000	0.239	OK

Disclaimer

This engineering report generated from the Scottsdale Construction Systems Pty Ltd (Scottsdale) engineering software (Engineering Software) is derived from the designer's inputs which have been used in the engineering calculations conducted by the Engineering Software. The designer acknowledges that it is solely responsible for ensuring that:

1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Defined) (Arch)	1"
Floor Dead Load (psf)	10.000
Floor Live Load (psf)	60.000
Floor Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	30' 10" 7/8
Height (Arch)	1'
Loaded Width (Arch)	1"
Screw Spacing (Arch)	9" 13/16
Batten Spacing (Arch)	2'
BC Span (Arch)	30' 10" 7/8
Steel (Arch)	116' 2" 3/16
Weight (lb)	131.87
Max. Deflection Up (in)	0.001 (Node: 44 - SIS-003)
Max. Deflection Down (in)	-0.004 (Node: 94 - SIS-003)
Max CR - Top Chord	0.404
Max CR - Bottom Chord	0.277
Status	Pass

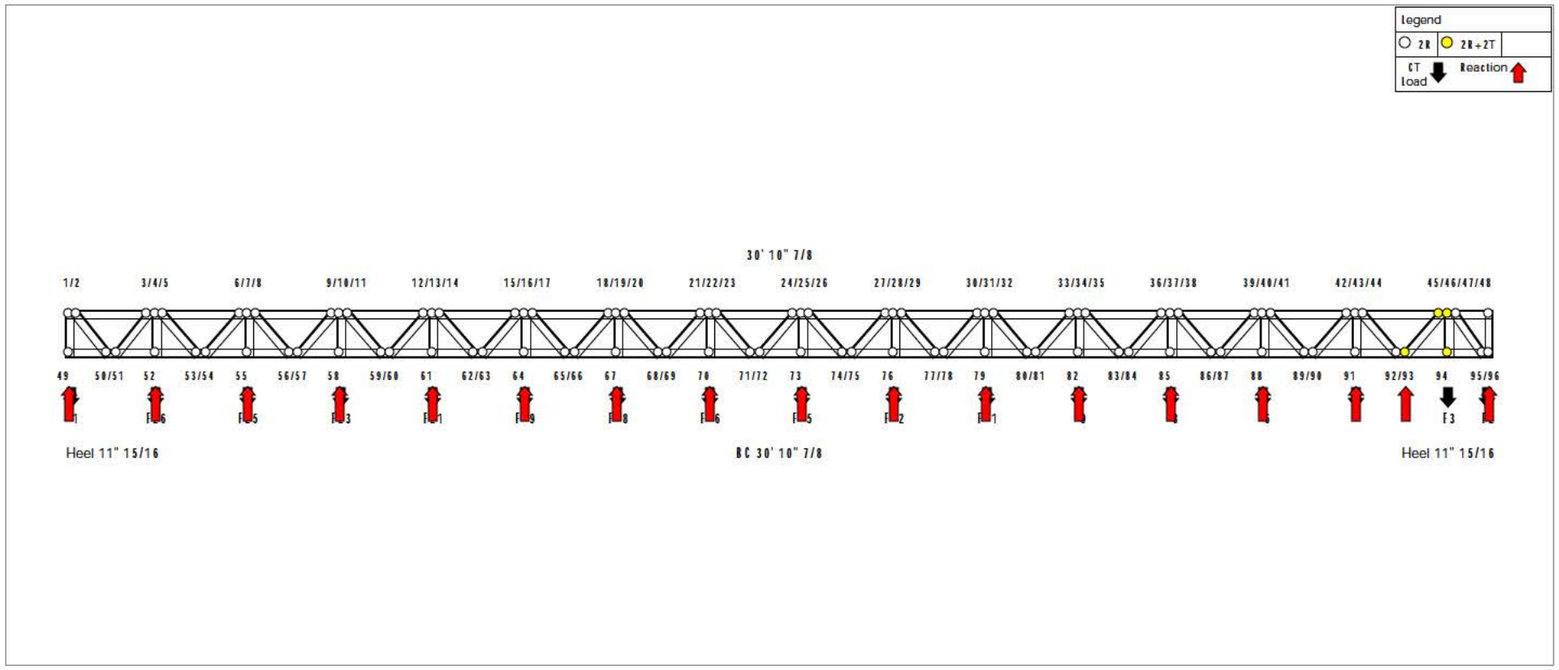
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	94	-0.004	0.090	0.039	SIS-003
Live	94	-0.003	0.060	0.044	SIS-002

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	93	-0.004	0.090	0.046	SIS-003
Live	93	-0.003	0.060	0.051	SIS-002

Truss F3



Reactions and Loads (lb)

Reaction @ Node 96		Reaction @ Node 93		Reaction @ Node 91		Reaction @ Node 88		Reaction @ Node 85		Reaction @ Node 82		Reaction @ Node 79		Reaction @ Node 76	
Max. Ult	1253.121 (UIS-002)	Max. Ult	766.631 (UIS-002)	Max. Ult	1510.696 (UIS-002)	Max. Ult	1584.258 (UIS-002)	Max. Ult	1575.298 (UIS-002)	Max. Ult	1585.936 (UIS-002)	Max. Ult	1585.497 (UIS-002)	Max. Ult	1586.887 (UIS-002)
Min. Ult	292.508 (UIS-001)	Min. Ult	178.622 (UIS-001)	Min. Ult	352.631 (UIS-001)	Min. Ult	369.661 (UIS-001)	Min. Ult	367.577 (UIS-001)	Min. Ult	370.052 (UIS-001)	Min. Ult	369.950 (UIS-001)	Min. Ult	370.274 (UIS-001)

Reaction @ Node 73		Reaction @ Node 70		Reaction @ Node 67		Reaction @ Node 64		Reaction @ Node 61		Reaction @ Node 58		Reaction @ Node 55		Reaction @ Node 52	
Max. Ult	1586.928 (UIS-002)	Max. Ult	1587.123 (UIS-002)	Max. Ult	1587.111 (UIS-002)	Max. Ult	1587.201 (UIS-002)	Max. Ult	1586.927 (UIS-002)	Max. Ult	1587.561 (UIS-002)	Max. Ult	1585.163 (UIS-002)	Max. Ult	1527.092 (UIS-002)
Min. Ult	370.284 (UIS-001)	Min. Ult	370.329 (UIS-001)	Min. Ult	370.329 (UIS-001)	Min. Ult	370.347 (UIS-001)	Min. Ult	370.303 (UIS-001)	Min. Ult	370.417 (UIS-001)	Min. Ult	370.023 (UIS-001)	Min. Ult	355.946 (UIS-001)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Joint
1	(0.661, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
2	(0.238, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
3	(1.745, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
4	(1.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
5	(2.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
6	(3.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
7	(3.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
8	(4.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
9	(5.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
10	(5.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
11	(6.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
12	(7.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
13	(7.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
14	(8.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
15	(9.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
16	(9.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
17	(10.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
18	(11.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
19	(11.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
20	(12.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
21	(13.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
22	(13.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
23	(14.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
24	(15.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
25	(15.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
26	(16.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
27	(17.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
28	(17.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
29	(18.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
30	(19.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
31	(19.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
32	(20.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
33	(21.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
34	(21.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
35	(22.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
36	(23.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R

Node	Position (x,y)	Dead + Live	Live	Joint
37	(23.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
38	(24.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
39	(25.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
40	(25.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
41	(26.122, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
42	(27.766, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
43	(27.944, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
44	(28.122, -0.000)	0.001 (SIS-003)	0.000 (SIS-002)	2R
45	(28.766, -0.000)	-0.002 (SIS-003)	-0.001 (SIS-002)	2R+2T
46	(28.944, -0.000)	-0.002 (SIS-003)	-0.001 (SIS-002)	2R+2T
47	(30.123, -0.000)	-0.002 (SIS-003)	-0.002 (SIS-002)	2R
48	(30.848, -0.000)	0.000 (SIS-003)	0.000 (SIS-002)	2R
49	(0.661, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
50	(0.591, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
51	(1.103, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
52	(1.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
53	(2.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
54	(3.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
55	(3.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
56	(4.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
57	(5.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
58	(5.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
59	(6.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
60	(7.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
61	(7.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
62	(8.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
63	(9.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
64	(9.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
65	(10.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
66	(11.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
67	(11.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
68	(12.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
69	(13.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
70	(13.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
71	(14.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
72	(15.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R

Node	Position (x,y)	Dead + Live	Live	Joint
73	(15.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
74	(16.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
75	(17.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
76	(17.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
77	(18.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
78	(19.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
79	(19.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
80	(20.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
81	(21.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
82	(21.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
83	(22.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
84	(23.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
85	(23.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
86	(24.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
87	(25.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
88	(25.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
89	(26.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
90	(27.844, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
91	(27.944, -0.920)	0 (SIS-003)	0 (SIS-002)	2R
92	(28.843, -0.920)	0.000 (SIS-003)	0.000 (SIS-002)	2R
93	(29.844, -0.920)	0 (SIS-003)	0 (SIS-002)	2R+2T
94	(29.944, -0.920)	-0.004 (SIS-003)	-0.003 (SIS-002)	2R+2T
95	(30.742, -0.920)	-0.002 (SIS-003)	-0.001 (SIS-002)	2R
96	(30.848, -0.920)	0 (SIS-003)	0 (SIS-002)	2R

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.002	0.002	OK
2 - 3	0.000	0.000	0.008	0.008	OK
3 - 4	0.000	0.000	0.013	0.013	OK
4 - 5	0.000	0.000	0.013	0.013	OK
5 - 6	0.000	0.000	0.007	0.007	OK
6 - 7	0.000	0.000	0.010	0.010	OK
7 - 8	0.000	0.000	0.010	0.010	OK
8 - 9	0.000	0.000	0.006	0.006	OK
9 - 10	0.000	0.000	0.011	0.011	OK
10 - 11	0.000	0.000	0.011	0.011	OK
11 - 12	0.000	0.000	0.006	0.006	OK
12 - 13	0.000	0.000	0.010	0.011	OK
13 - 14	0.000	0.000	0.010	0.011	OK
14 - 15	0.000	0.000	0.006	0.006	OK
15 - 16	0.000	0.000	0.010	0.011	OK
16 - 17	0.000	0.000	0.010	0.011	OK
17 - 18	0.000	0.000	0.006	0.006	OK
18 - 19	0.000	0.000	0.010	0.011	OK
19 - 20	0.000	0.000	0.010	0.011	OK
20 - 21	0.000	0.000	0.006	0.006	OK
21 - 22	0.000	0.000	0.010	0.011	OK
22 - 23	0.000	0.000	0.010	0.011	OK
23 - 24	0.000	0.000	0.006	0.006	OK
24 - 25	0.000	0.000	0.010	0.011	OK
25 - 26	0.000	0.000	0.010	0.011	OK
26 - 27	0.000	0.000	0.006	0.006	OK
27 - 28	0.000	0.000	0.010	0.011	OK
28 - 29	0.000	0.000	0.010	0.011	OK
29 - 30	0.000	0.000	0.007	0.006	OK
30 - 31	0.000	0.000	0.010	0.010	OK
31 - 32	0.000	0.000	0.010	0.010	OK
32 - 33	0.000	0.000	0.008	0.007	OK
33 - 34	0.000	0.001	0.011	0.011	OK
34 - 35	0.000	0.001	0.011	0.011	OK
35 - 36	0.000	0.001	0.010	0.009	OK
36 - 37	0.000	0.001	0.007	0.008	OK
37 - 38	0.000	0.001	0.013	0.014	OK
38 - 39	0.000	0.003	0.015	0.014	OK
39 - 40	0.000	0.004	0.015	0.017	OK
40 - 41	0.000	0.004	0.025	0.025	OK
41 - 42	0.000	0.006	0.033	0.038	OK
42 - 43	0.000	0.008	0.033	0.040	OK
43 - 44	0.000	0.008	0.038	0.046	OK
44 - 45	0.000	0.013	0.050	0.045	OK
45 - 46	0.038	0.000	0.351	0.404	OK
46 - 47	0.038	0.000	0.351	0.390	OK
47 - 48	0.000	0.000	0.013	0.013	OK
Bottom Chord					
49 - 50	0.000	0.000	0.003	0.003	OK
50 - 51	0.000	0.000	0.003	0.003	OK
51 - 52	0.000	0.000	0.002	0.002	OK
52 - 53	0.000	0.000	0.002	0.002	OK
53 - 54	0.000	0.000	0.001	0.002	OK
54 - 55	0.000	0.000	0.002	0.002	OK
55 - 56	0.000	0.000	0.002	0.002	OK
56 - 57	0.000	0.000	0.001	0.001	OK
57 - 58	0.000	0.000	0.002	0.002	OK
58 - 59	0.000	0.000	0.002	0.002	OK
59 - 60	0.000	0.000	0.001	0.001	OK
60 - 61	0.000	0.000	0.002	0.002	OK
61 - 62	0.000	0.000	0.002	0.002	OK
62 - 63	0.000	0.000	0.001	0.001	OK
63 - 64	0.000	0.000	0.002	0.002	OK
64 - 65	0.000	0.000	0.002	0.002	OK
65 - 66	0.000	0.000	0.001	0.001	OK
66 - 67	0.000	0.000	0.002	0.002	OK
67 - 68	0.000	0.000	0.002	0.002	OK
68 - 69	0.000	0.000	0.001	0.001	OK
69 - 70	0.000	0.000	0.002	0.002	OK
70 - 71	0.000	0.000	0.002	0.002	OK
71 - 72	0.000	0.000	0.001	0.001	OK
72 - 73	0.000	0.000	0.002	0.002	OK
73 - 74	0.000	0.000	0.002	0.002	OK
74 - 75	0.000	0.000	0.001	0.001	OK
75 - 76	0.000	0.000	0.002	0.002	OK
76 - 77	0.000	0.000	0.002	0.002	OK
77 - 78	0.000	0.000	0.001	0.002	OK
78 - 79	0.000	0.000	0.002	0.002	OK
79 - 80	0.000	0.000	0.002	0.003	OK
80 - 81	0.001	0.000	0.002	0.003	OK
81 - 82	0.001	0.000	0.002	0.003	OK
82 - 83	0.001	0.000	0.004	0.005	OK
83 - 84	0.001	0.000	0.003	0.005	OK
84 - 85	0.002	0.000	0.003	0.005	OK
85 - 86	0.002	0.000	0.008	0.010	OK
86 - 87	0.004	0.000	0.007	0.010	OK
87 - 88	0.006	0.000	0.006	0.012	OK
88 - 89	0.006	0.000	0.014	0.021	OK
89 - 90	0.008	0.000	0.013	0.021	OK
90 - 91	0.014	0.000	0.007	0.021	OK
91 - 92	0.014	0.000	0.013	0.026	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
92 - 93	0.019	0.000	0.080	0.099	OK
93 - 94	0.000	0.027	0.080	0.106	OK
94 - 95	0.000	0.027	0.261	0.236	OK
95 - 96	0.000	0.000	0.235	0.277	OK
Webs					
49 - 1	0.001	0.000	0.000	0.001	OK
96 - 48	0.001	0.000	0.000	0.001	OK
2 - 50	0.000	0.000	0.000	0.000	OK
51 - 3	0.000	0.000	0.000	0.000	OK
4 - 52	0.003	0.000	0.000	0.003	OK
5 - 53	0.000	0.000	0.000	0.000	OK
54 - 6	0.000	0.000	0.000	0.000	OK
7 - 55	0.002	0.000	0.000	0.002	OK
8 - 56	0.000	0.000	0.000	0.000	OK
57 - 9	0.000	0.000	0.000	0.000	OK
10 - 58	0.002	0.000	0.000	0.002	OK
11 - 59	0.000	0.000	0.000	0.000	OK
60 - 12	0.000	0.000	0.000	0.000	OK
13 - 61	0.002	0.000	0.000	0.002	OK
14 - 62	0.000	0.000	0.000	0.000	OK
63 - 15	0.000	0.000	0.000	0.000	OK
16 - 64	0.002	0.000	0.000	0.002	OK
17 - 65	0.000	0.000	0.000	0.000	OK
66 - 18	0.000	0.000	0.000	0.000	OK
19 - 67	0.002	0.000	0.000	0.002	OK
20 - 68	0.000	0.000	0.000	0.000	OK
69 - 21	0.000	0.000	0.000	0.000	OK
22 - 70	0.002	0.000	0.000	0.002	OK
23 - 71	0.000	0.000	0.000	0.000	OK
72 - 24	0.000	0.000	0.000	0.000	OK
25 - 73	0.002	0.000	0.000	0.002	OK
26 - 74	0.000	0.000	0.000	0.000	OK
75 - 27	0.000	0.000	0.000	0.000	OK
28 - 76	0.002	0.000	0.000	0.002	OK
29 - 77	0.000	0.000	0.000	0.000	OK
78 - 30	0.000	0.000	0.000	0.000	OK
31 - 79	0.002	0.000	0.000	0.002	OK
32 - 80	0.001	0.000	0.000	0.001	OK
81 - 33	0.000	0.000	0.000	0.000	OK
34 - 82	0.002	0.000	0.000	0.002	OK
35 - 83	0.001	0.000	0.000	0.001	OK
84 - 36	0.000	0.000	0.000	0.000	OK
37 - 85	0.000	0.000	0.000	0.000	OK
38 - 86	0.003	0.000	0.000	0.003	OK
87 - 39	0.000	0.002	0.000	0.002	OK
40 - 88	0.001	0.000	0.000	0.001	OK
41 - 89	0.005	0.000	0.000	0.005	OK
90 - 42	0.000	0.003	0.000	0.003	OK
43 - 91	0.000	0.004	0.000	0.004	OK
44 - 92	0.015	0.000	0.000	0.015	OK
93 - 45	0.106	0.000	0.000	0.106	OK
46 - 94	0.000	0.084	0.000	0.084	OK
47 - 95	0.081	0.000	0.000	0.081	OK

Reactions and Loads (lb)

Reaction @ Node 49		CT Load F1 (Node: 22)		CT Load F26 (Node: 19)		CT Load F25 (Node: 19)		CT Load F23 (Node: 19)		CT Load F21 (Node: 19)		CT Load F19 (Node: 19)		CT Load F18 (Node: 19)	
Max. Uit	1181.391 (UIS-002)	Max. Uit	1175.898 (UIS-002)	Max. Uit	1501.879 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)
Min. Uit	275.872 (UIS-001)	Min. Uit	1175.898 (UIS-002)	Min. Uit	1501.879 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)

CT Load F16 (Node: 19)		CT Load F15 (Node: 19)		CT Load F12 (Node: 19)		CT Load F11 (Node: 19)		CT Load F9 (Node: 19)		CT Load F8 (Node: 19)		CT Load F6 (Node: 19)		CT Load F4 (Node: 19)	
Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)	Max. Uit	1567.178 (UIS-002)
Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)	Min. Uit	1567.178 (UIS-002)

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss F3

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Defined) (Arch)	1"
Floor Dead Load (psf)	10.000
Floor Live Load (psf)	60.000
Floor Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	31' 5" 7/8
Height (Arch)	1'
Loaded Width (Arch)	1"
Screw Spacing (Arch)	9" 13/16
Batten Spacing (Arch)	2'
BC Span (Arch)	31' 5" 7/8
Steel (Arch)	121' 5/16
Weight (lb)	137.37
Max. Deflection Up (in)	0.001 (Node: 57 - SLS-003)
Max. Deflection Down (in)	-0.003 (Node: 102 - SLS-003)
Max CR - Top Chord	0.378
Max CR - Bottom Chord	0.322
Status	Pass

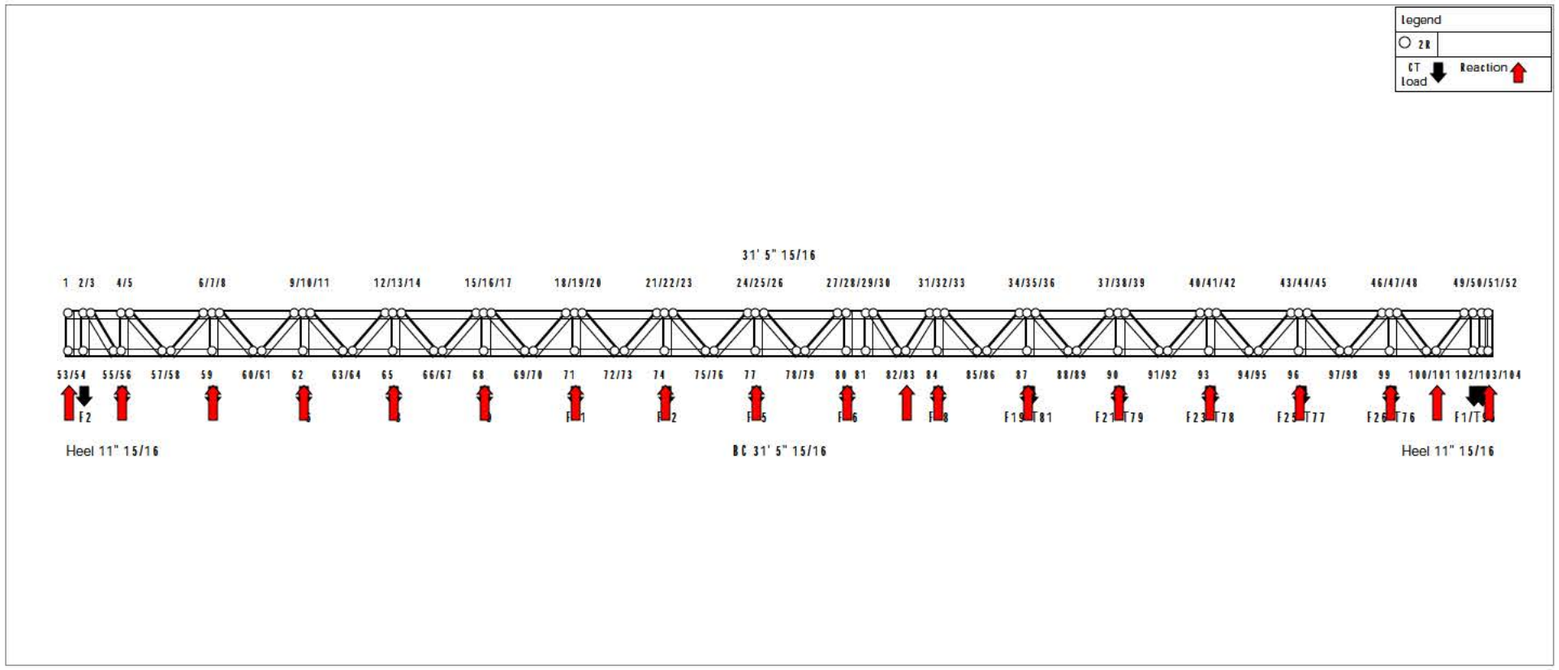
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	102	-0.003	0.058	0.052	SLS-003
Live	102	-0.002	0.039	0.059	SLS-002

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	53	-0.003	0.059	0.057	SLS-003
Live	53	-0.003	0.040	0.064	SLS-002

Truss F4



Reactions and Loads (lb)

Reaction @ Node 104	
Max. Ult	506.520 (ULS-002)
Min. Ult	118.401 (ULS-001)

Reaction @ Node 101	
Max. Ult	876.890 (ULS-002)
Min. Ult	204.289 (ULS-001)

Reaction @ Node 99	
Max. Ult	1372.517 (ULS-002)
Min. Ult	320.341 (ULS-001)

Reaction @ Node 96	
Max. Ult	1568.527 (ULS-002)
Min. Ult	365.975 (ULS-001)

Reaction @ Node 93	
Max. Ult	1567.656 (ULS-002)
Min. Ult	365.811 (ULS-001)

Reaction @ Node 90	
Max. Ult	1582.898 (ULS-002)
Min. Ult	369.377 (ULS-001)

Reaction @ Node 87	
Max. Ult	1585.530 (ULS-002)
Min. Ult	369.877 (ULS-001)

Reaction @ Node 84	
Max. Ult	1582.465 (ULS-002)
Min. Ult	369.144 (ULS-001)

Reaction @ Node 83	
Max. Ult	5.753 (ULS-002)
Min. Ult	1.509 (ULS-001)

Reaction @ Node 80	
Max. Ult	1582.700 (ULS-002)
Min. Ult	369.399 (ULS-001)

Reaction @ Node 77	
Max. Ult	1588.725 (ULS-002)
Min. Ult	370.528 (ULS-001)

Reaction @ Node 74	
Max. Ult	1586.374 (ULS-002)
Min. Ult	370.222 (ULS-001)

Reaction @ Node 71	
Max. Ult	1585.933 (ULS-002)
Min. Ult	370.034 (ULS-001)

Reaction @ Node 68	
Max. Ult	1587.812 (ULS-002)
Min. Ult	370.319 (ULS-001)

Reaction @ Node 65	
Max. Ult	1576.672 (ULS-002)
Min. Ult	367.879 (ULS-001)

Reaction @ Node 62	
Max. Ult	1592.926 (ULS-002)
Min. Ult	371.747 (ULS-001)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Joint
1	(0.661, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
2	(0.398, -0.000)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
3	(0.519, -0.000)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
4	(1.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
5	(1.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
6	(3.868, -0.000)	0.001 (SLS-003)	0.000 (SLS-002)	2R
7	(3.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
8	(3.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
9	(5.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
10	(5.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
11	(5.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
12	(7.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
13	(7.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
14	(7.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
15	(9.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
16	(9.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
17	(9.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
18	(11.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
19	(11.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
20	(11.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
21	(13.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
22	(13.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
23	(13.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
24	(15.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
25	(15.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
26	(15.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
27	(17.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
28	(17.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
29	(17.598, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
30	(17.846, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
31	(18.083, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
32	(19.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
33	(19.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
34	(21.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
35	(21.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
36	(21.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
37	(23.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
38	(23.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
39	(23.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
40	(25.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
41	(25.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
42	(25.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
43	(27.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
44	(27.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
45	(27.424, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
46	(29.868, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
47	(29.246, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
48	(29.425, -0.000)	0.001 (SLS-003)	0.001 (SLS-002)	2R
49	(30.991, -0.000)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
50	(31.088, -0.000)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
51	(31.274, -0.000)	-0.002 (SLS-003)	-0.001 (SLS-002)	2R
52	(31.431, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	2R
53	(0.661, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
54	(0.398, -0.920)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
55	(1.868, -0.920)	-0.001 (SLS-003)	-0.001 (SLS-002)	2R
56	(1.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
57	(2.146, -0.920)	0.001 (SLS-003)	0.001 (SLS-002)	2R
58	(2.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
59	(3.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
60	(4.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
61	(4.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
62	(5.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
63	(6.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
64	(6.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
65	(7.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
66	(8.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
67	(8.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
68	(9.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
69	(10.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
70	(10.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
71	(11.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
72	(12.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
73	(12.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
74	(13.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
75	(14.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
76	(14.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
77	(15.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
78	(16.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
79	(16.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
80	(17.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
81	(17.598, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
82	(18.318, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
83	(18.561, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
84	(19.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
85	(20.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
86	(20.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
87	(21.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
88	(22.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
89	(22.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
90	(23.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
91	(24.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
92	(24.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
93	(25.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
94	(26.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
95	(26.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
96	(27.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
97	(28.146, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
98	(28.347, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
99	(29.246, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
100	(30.062, -0.920)	0.000 (SLS-003)	0.000 (SLS-002)	2R
101	(30.264, -0.920)	0 (SLS-003)	0 (SLS-002)	2R
102	(31.088, -0.920)	-0.002 (SLS-003)	-0.002 (SLS-002)	2R
103	(31.274, -0.920)	-0.002 (SLS-003)	-0.001 (SLS-002)	2R
104	(31.431, -0.920)	0 (SLS-003)	0 (SLS-002)	2R

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.283	0.293	OK
2 - 3	0.000	0.000	0.283	0.304	OK
3 - 4	0.000	0.013	0.059	0.072	OK
4 - 5	0.000	0.013	0.047	0.049	OK
5 - 6	0.000	0.011	0.037	0.034	OK
6 - 7	0.000	0.005	0.034	0.043	OK
7 - 8	0.000	0.005	0.027	0.031	OK
8 - 9	0.000	0.004	0.027	0.031	OK
9 - 10	0.000	0.003	0.019	0.019	OK
10 - 11	0.000	0.003	0.017	0.018	OK
11 - 12	0.000	0.002	0.012	0.011	OK
12 - 13	0.000	0.001	0.011	0.011	OK
13 - 14	0.000	0.001	0.007	0.008	OK
14 - 15	0.000	0.001	0.008	0.008	OK
15 - 16	0.000	0.000	0.011	0.011	OK
16 - 17	0.000	0.000	0.011	0.012	OK
17 - 18	0.000	0.000	0.007	0.007	OK
18 - 19	0.000	0.000	0.010	0.010	OK
19 - 20	0.000	0.000	0.010	0.011	OK
20 - 21	0.000	0.000	0.006	0.006	OK
21 - 22	0.000	0.000	0.010	0.011	OK
22 - 23	0.000	0.000	0.010	0.011	OK
23 - 24	0.000	0.000	0.007	0.007	OK
24 - 25	0.000	0.000	0.011	0.012	OK
25 - 26	0.000	0.000	0.011	0.012	OK
26 - 27	0.000	0.000	0.006	0.006	OK
27 - 28	0.000	0.000	0.008	0.008	OK
28 - 29	0.000	0.000	0.009	0.009	OK
29 - 30	0.000	0.000	0.002	0.002	OK
30 - 31	0.000	0.000	0.005	0.005	OK
31 - 32	0.000	0.000	0.008	0.009	OK
32 - 33	0.000	0.000	0.008	0.009	OK
33 - 34	0.000	0.000	0.006	0.007	OK
34 - 35	0.000	0.000	0.010	0.011	OK
35 - 36	0.000	0.000	0.010	0.011	OK
36 - 37	0.000	0.001	0.009	0.009	OK
37 - 38	0.000	0.001	0.010	0.011	OK
38 - 39	0.000	0.001	0.012	0.012	OK
39 - 40	0.000	0.002	0.013	0.012	OK
40 - 41	0.000	0.003	0.006	0.008	OK
41 - 42	0.000	0.003	0.021	0.022	OK
42 - 43	0.000	0.005	0.023	0.021	OK
43 - 44	0.000	0.007	0.014	0.019	OK
44 - 45	0.000	0.007	0.044	0.047	OK
45 - 46	0.000	0.012	0.061	0.072	OK
46 - 47	0.000	0.017	0.061	0.077	OK
47 - 48	0.000	0.017	0.093	0.109	OK
48 - 49	0.000	0.028	0.103	0.093	OK
49 - 50	0.000	0.000	0.340	0.378	OK
50 - 51	0.000	0.000	0.340	0.349	OK
51 - 52	0.000	0.000	0.168	0.194	OK
Bottom Chord					
53 - 54	0.000	0.000	0.195	0.202	OK
54 - 55	0.000	0.000	0.217	0.217	OK
55 - 56	0.019	0.000	0.142	0.182	OK
56 - 57	0.022	0.000	0.142	0.164	OK
57 - 58	0.015	0.000	0.044	0.059	OK
58 - 59	0.008	0.000	0.049	0.057	OK
59 - 60	0.008	0.000	0.009	0.017	OK
60 - 61	0.006	0.000	0.011	0.016	OK
61 - 62	0.005	0.000	0.012	0.017	OK
62 - 63	0.005	0.000	0.005	0.009	OK
63 - 64	0.003	0.000	0.005	0.008	OK
64 - 65	0.001	0.000	0.006	0.007	OK
65 - 66	0.001	0.000	0.002	0.004	OK
66 - 67	0.001	0.000	0.003	0.004	OK
67 - 68	0.001	0.000	0.003	0.004	OK
68 - 69	0.001	0.000	0.002	0.003	OK
69 - 70	0.000	0.000	0.002	0.002	OK
70 - 71	0.000	0.000	0.002	0.002	OK
71 - 72	0.000	0.000	0.002	0.002	OK
72 - 73	0.000	0.000	0.001	0.001	OK
73 - 74	0.000	0.000	0.002	0.002	OK
74 - 75	0.000	0.000	0.002	0.002	OK
75 - 76	0.000	0.000	0.001	0.001	OK
76 - 77	0.000	0.000	0.002	0.002	OK
77 - 78	0.000	0.000	0.002	0.002	OK
78 - 79	0.000	0.000	0.002	0.002	OK
79 - 80	0.000	0.000	0.002	0.002	OK
80 - 81	0.000	0.000	0.002	0.002	OK
81 - 82	0.000	0.000	0.002	0.002	OK
82 - 83	0.000	0.000	0.002	0.002	OK
83 - 84	0.000	0.000	0.001	0.002	OK
84 - 85	0.000	0.000	0.002	0.003	OK
85 - 86	0.001	0.000	0.002	0.003	OK
86 - 87	0.001	0.000	0.002	0.003	OK
87 - 88	0.001	0.000	0.003	0.004	OK
88 - 89	0.001	0.000	0.003	0.004	OK
89 - 90	0.002	0.000	0.003	0.005	OK
90 - 91	0.002	0.000	0.006	0.008	OK
91 - 92	0.003	0.000	0.006	0.008	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Reactions and Loads (lb)

Reaction @ Node 59	
Max. Ult	1517.997 (ULS-002)
Min. Ult	354.081 (ULS-001)

Reaction @ Node 56	
Max. Ult	1603.042 (ULS-002)
Min. Ult	374.071 (ULS-001)

Reaction @ Node 53	
Max. Ult	400.589 (ULS-002)
Min. Ult	93.480 (ULS-001)

CT Load F2 (Node: 42)	
Max. Ult	789.934 (ULS-002)
Min. Ult	789.934 (ULS-002)

CT Load F3 (Node: 36)	
Max. Ult	1115.916 (ULS-002)
Min. Ult	1115.916 (ULS-002)

CT Load F4 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F6 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F8 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F9 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F11 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F12 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F15 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F16 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F18 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load F19 (Node: 36)	
Max. Ult	1567.178 (ULS-002)
Min. Ult	1567.178 (ULS-002)

CT Load T81 (Node: 16)	
Max. Ult	470.022 (ULS-007)
Min. Ult	470.022 (ULS-007)

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
92 - 93	0.005	0.000	0.003	0.008	OK
93 - 94	0.005	0.000	0.014	0.018	OK
94 - 95	0.007	0.000	0.012	0.020	OK
95 - 96	0.012	0.000	0.011	0.024	OK
96 - 97	0.012	0.000	0.028	0.040	OK
97 - 98	0.017	0.000	0.025	0.042	OK
98 - 99	0.029	0.000	0.021	0.050	OK
99 - 100	0.029	0.000	0.017	0.045	OK
100 - 101	0.041	0.000	0.172	0.212	OK
101 - 102	0.000	0.000	0.322	0.322	OK
102 - 103	0.000	0.000	0.289	0.301	OK
103 - 104	0.000	0.000	0.114	0.132	OK
Webs					
53 - 1	0.030	0.000	0.000	0.030	OK
104 - 52	0.038	0.000	0.000	0.038	OK
2 - 54	0.000	0.043	0.000	0.043	OK
3 - 55	0.045	0.000	0.000	0.045	OK
4 - 56	0.012	0.000	0.000	0.012	OK
5 - 57	0.000	0.004	0.000	0.004	OK
58 - 6	0.016	0.000	0.000	0.016	OK
7 - 59	0.000	0.005	0.000	0.005	OK
8 - 60	0.000	0.001	0.000	0.001	OK
61 - 9	0.003	0.000	0.000	0.003	OK
10 - 62	0.003	0.000	0.000	0.003	OK
11 - 63	0.000	0.001	0.000	0.001	OK
64 - 12	0.003	0.000	0.000	0.003	OK
13 - 65	0.001	0.000	0.000	0.001	OK
14 - 66	0.000	0.000	0.000	0.000	OK
67 - 15	0.001	0.000	0.000	0.001	OK
16 - 68	0.002	0.000	0.000	0.002	OK
17 - 69	0.000	0.000	0.000	0.000	OK
70 - 18	0.000	0.000	0.000	0.000	OK
19 - 71	0.002	0.000	0.000	0.002	OK
20 - 72	0.000	0.000	0.000	0.000	OK
73 - 21	0.000	0.000	0.000	0.000	OK
22 - 74	0.002	0.000	0.000	0.002	OK
23 - 75	0.000	0.000	0.000	0.000	OK
76 - 24	0.000	0.000	0.000	0.000	OK
25 - 77	0.002	0.000	0.000	0.002	OK
26 - 78	0.000	0.000	0.000	0.000	OK
79 - 27	0.000	0.000	0.000	0.000	OK
28 - 80	0.002	0.000	0.000	0.002	OK
29 - 81	0.000	0.000	0.000	0.000	OK
30 - 82	0.001	0.000	0.000	0.001	OK
83 - 31	0.000	0.000	0.000	0.000	OK
32 - 84	0.002	0.000	0.000	0.002	OK
33 - 85	0.000	0.000	0.000	0.000	OK
86 - 34	0.000	0.000	0.000	0.000	OK
35 - 87	0.002	0.000	0.000	0.002	OK
36 - 88	0.001	0.000	0.000	0.001	OK
89 - 37	0.000	0.000	0.000	0.000	OK
38 - 90	0.001	0.000	0.000	0.001	OK
39 - 91	0.002	0.000	0.000	0.002	OK
92 - 40	0.000	0.001	0.000	0.001	OK
41 - 93	0.000	0.000	0.000	0.000	OK
42 - 94	0.006	0.000	0.000	0.006	OK
95 - 43	0.000	0.003	0.000	0.003	OK
44 - 96	0.000	0.001	0.000	0.001	OK
45 - 97	0.012	0.000	0.000	0.012	OK
98 - 46	0.000	0.007	0.000	0.007	OK
47 - 99	0.000	0.000	0.000	0.000	OK
48 - 100	0.033	0.000	0.000	0.033	OK
101 - 49	0.080	0.000	0.000	0.080	OK
50 - 102	0.000	0.056	0.000	0.056	OK
51 - 103	0.000	0.004	0.000	0.004	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T1

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 9" 3/4
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	9' 4"
Height (Arch)	3'
Loaded Width (Arch)	1' 9" 3/4
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	9' 4"
Steel (Arch)	35' 7" 3/16
Weight (lb)	40.41
Max. Deflection Up (in)	0.002 (Node: 5 - SLS-007)
Max. Deflection Down (in)	-0.001 (Node: 2 - SLS-003)
Max CR - Top Chord	0.418
Max CR - Bottom Chord	0.245
Status	Pass

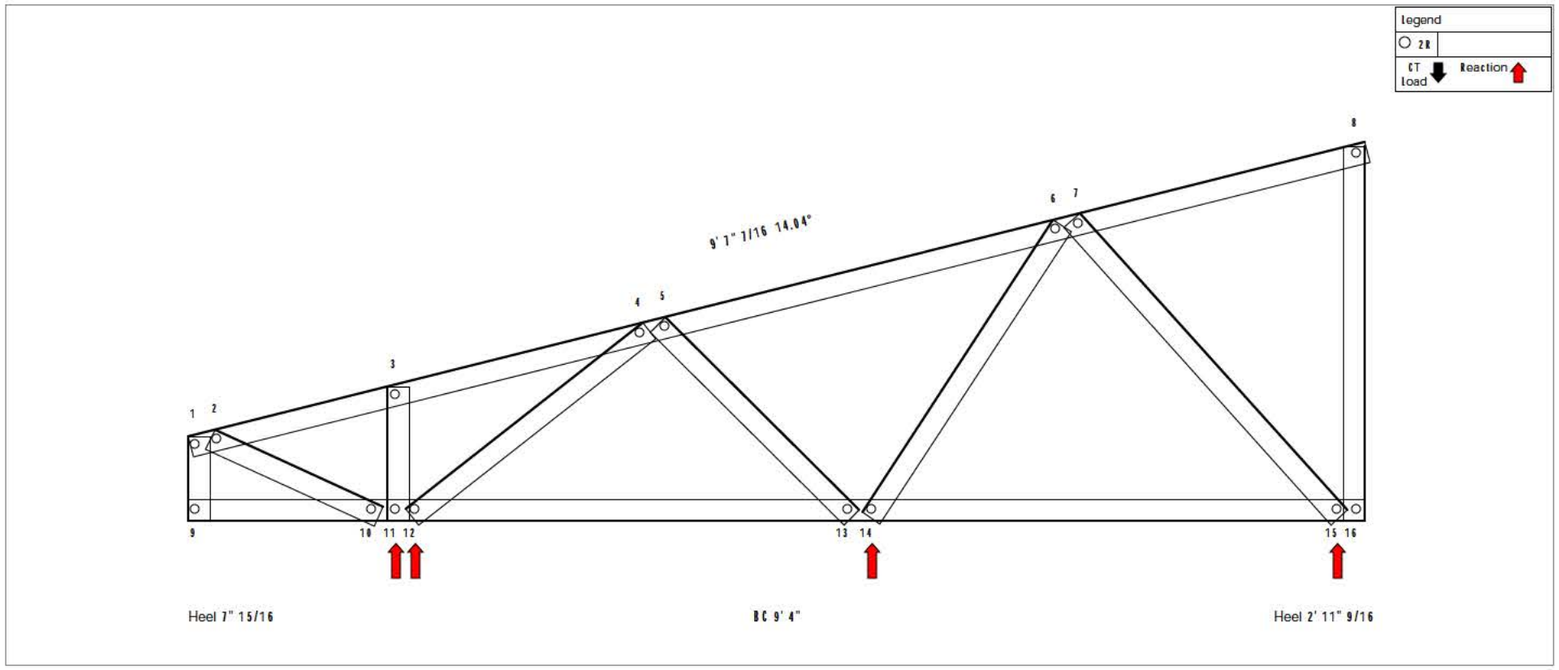
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	9	-0.001	0.127	0.011	SLS-003
Live	13	-0.001	0.121	0.007	SLS-002
Wind	13	0.002	0.121	0.018	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	13	-0.009	0.170	0.050	SLS-003
Live	13	0.005	0.114	0.042	SLS-002
Wind	13	-0.011	0.114	0.095	SLS-007

Truss T1



Reactions (lb)

Reaction @ Node 15		Reaction @ Node 14		Reaction @ Node 12		Reaction @ Node 11	
Max. Ult	200.167 (ULS-007)	Max. Ult	564.608 (ULS-007)	Max. Ult	249.684 (ULS-007)	Max. Ult	151.530 (ULS-007)
Min. Ult	-260.880 (ULS-054)	Min. Ult	-572.548 (ULS-054)	Min. Ult	-52.515 (ULS-054)	Min. Ult	-245.292 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.061, -0.067)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
2	(0.234, -0.024)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.000 (SLS-008)	28
3	(1.644, 0.329)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
4	(3.589, 0.815)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
5	(3.787, 0.864)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
6	(6.004, 1.639)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
7	(7.868, 1.685)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
8	(9.273, 2.236)	0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
9	(0.061, -0.587)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
10	(1.463, -0.587)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
11	(1.644, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
12	(1.803, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
13	(5.239, -0.587)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
14	(5.425, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
15	(9.115, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
16	(9.273, -0.587)	0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.001	0.014	0.017	OK
2 - 3	0.013	0.010	0.129	0.141	OK
3 - 4	0.005	0.010	0.242	0.247	OK
4 - 5	0.002	0.001	0.358	0.362	OK
5 - 6	0.031	0.014	0.389	0.418	OK
6 - 7	0.008	0.005	0.389	0.389	OK
7 - 8	0.006	0.002	0.373	0.379	OK
Bottom Chord					
9 - 10	0.000	0.000	0.028	0.029	OK
10 - 11	0.013	0.009	0.053	0.066	OK
11 - 12	0.028	0.003	0.110	0.117	OK
12 - 13	0.036	0.007	0.210	0.245	OK
13 - 14	0.013	0.005	0.210	0.225	OK
14 - 15	0.021	0.005	0.147	0.166	OK
15 - 16	0.000	0.000	0.066	0.076	OK
Webs					
9 - 1	0.000	0.001	0.000	0.001	OK
16 - 8	0.012	0.009	0.000	0.012	OK
2 - 10	0.017	0.010	0.000	0.017	OK
11 - 3	0.022	0.018	0.000	0.022	OK
12 - 4	0.021	0.006	0.000	0.021	OK
5 - 13	0.034	0.034	0.000	0.034	OK
14 - 6	0.046	0.029	0.000	0.046	OK
7 - 15	0.015	0.017	0.000	0.017	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T2

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	9' 3" 5/8
Height (Arch)	2' 11" 15/16
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	9' 3" 5/8
Steel (Arch)	35' 1" 15/16
Weight (lb)	42.01
Max. Deflection Up (in)	0.014 (Node: 6 - SLS-007)
Max. Deflection Down (in)	-0.016 (Node: 14 - SLS-003)
Max CR - Top Chord	0.340
Max CR - Bottom Chord	0.350
Status	Pass

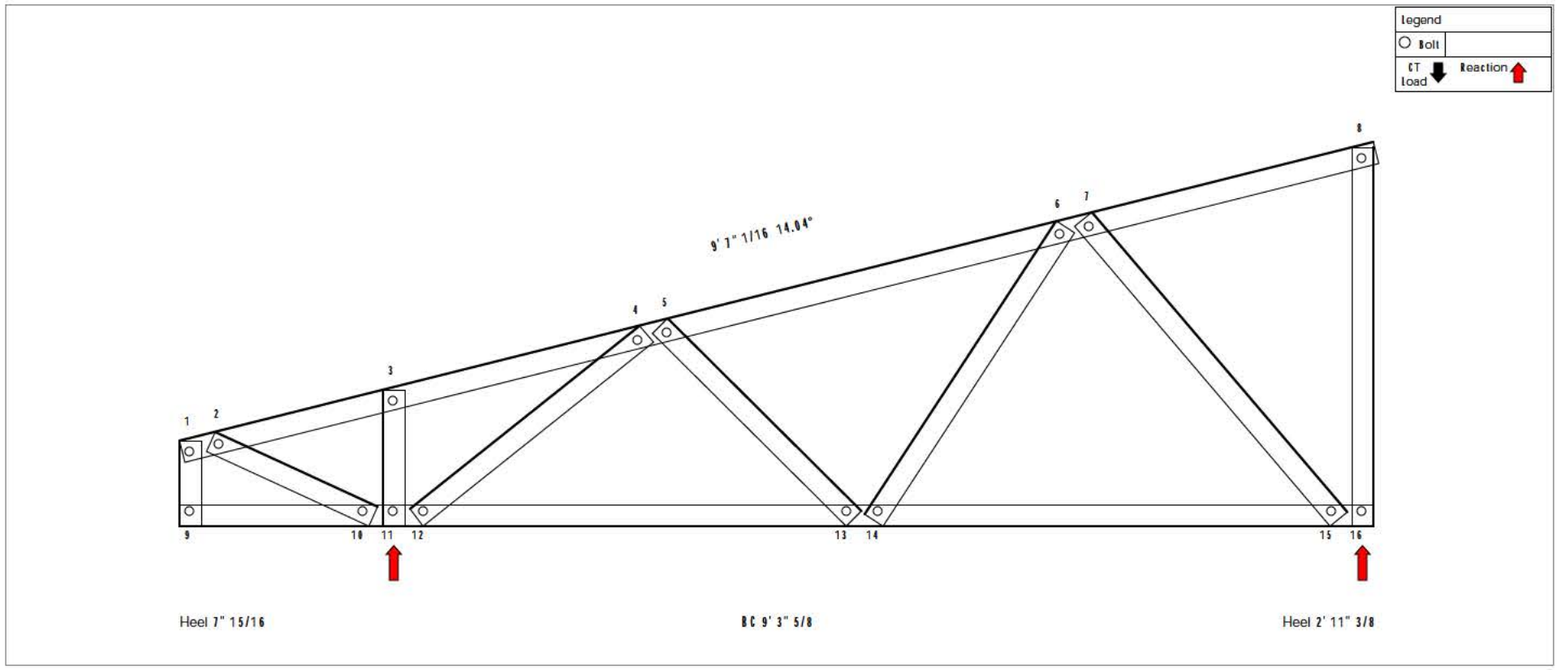
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	14	-0.016	0.373	0.043	SLS-003
Live	14	-0.007	0.249	0.029	SLS-002
Wind	14	0.014	0.249	0.057	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	13	0.035	0.373	0.094	SLS-003
Live	13	0.012	0.249	0.047	SLS-002
Wind	13	-0.023	0.249	0.093	SLS-007

Truss T2



Reactions (lb)

Reaction @ Node 16	
Max. Ult	524.621 (ULS-007)
Min. Ult	-587.279 (ULS-054)

Reaction @ Node 11	
Max. Ult	751.245 (ULS-007)
Min. Ult	-650.430 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.095)	0.001 (SLS-003)	0.001 (SLS-002)	-0.004 (SLS-007)	Bolt
2	(0.311, -0.038)	0.002 (SLS-003)	0.001 (SLS-002)	-0.003 (SLS-007)	Bolt
3	(1.669, 0.301)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(3.572, 0.777)	-0.009 (SLS-003)	-0.004 (SLS-002)	0.009 (SLS-007)	Bolt
5	(3.888, 0.834)	-0.013 (SLS-003)	-0.006 (SLS-002)	0.012 (SLS-007)	Bolt
6	(6.062, 1.600)	-0.016 (SLS-003)	-0.007 (SLS-002)	0.014 (SLS-007)	Bolt
7	(7.894, 1.658)	-0.012 (SLS-003)	-0.005 (SLS-002)	0.010 (SLS-007)	Bolt
8	(9.215, 2.100)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
9	(0.005, -0.554)	0.003 (SLS-003)	0.001 (SLS-002)	-0.004 (SLS-007)	Bolt
10	(1.432, -0.554)	0.002 (SLS-003)	0.001 (SLS-002)	-0.002 (SLS-007)	Bolt
11	(1.669, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
12	(1.903, -0.554)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
13	(5.199, -0.554)	-0.015 (SLS-003)	-0.007 (SLS-002)	0.014 (SLS-007)	Bolt
14	(5.449, -0.554)	-0.016 (SLS-003)	-0.007 (SLS-002)	0.014 (SLS-007)	Bolt
15	(8.980, -0.554)	-0.009 (SLS-003)	-0.003 (SLS-002)	0.007 (SLS-007)	Bolt
16	(9.215, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Identical Trusses			
T2 (Level 1)	T25 (Level 1)	T26 (Level 1)	T27 (Level 1)

4 Identical Trusses.
(4 on this level)

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.001	0.001	0.009	0.010	OK
2 - 3	0.010	0.008	0.075	0.084	OK
3 - 4	0.000	0.007	0.221	0.225	OK
4 - 5	0.070	0.055	0.219	0.270	OK
5 - 6	0.077	0.043	0.285	0.265	OK
6 - 7	0.036	0.029	0.318	0.340	OK
7 - 8	0.007	0.002	0.318	0.326	OK
Bottom Chord					
9 - 10	0.000	0.000	0.133	0.135	OK
10 - 11	0.007	0.009	0.180	0.187	OK
11 - 12	0.038	0.009	0.180	0.225	OK
12 - 13	0.189	0.055	0.079	0.259	OK
13 - 14	0.071	0.051	0.133	0.181	OK
14 - 15	0.116	0.038	0.257	0.350	OK
15 - 16	0.000	0.000	0.234	0.272	OK
Webs					
9 - 1	0.004	0.005	0.000	0.005	OK
16 - 8	0.026	0.014	0.000	0.026	OK
2 - 10	0.010	0.014	0.000	0.014	OK
11 - 3	0.024	0.034	0.000	0.034	OK
12 - 4	0.167	0.081	0.000	0.167	OK
5 - 13	0.016	0.036	0.000	0.036	OK
14 - 6	0.064	0.032	0.000	0.064	OK
7 - 15	0.239	0.097	0.000	0.239	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T3

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 11" 3/16
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	7' 4" 1/8
Height (Arch)	2' 6" 1/16
Loaded Width (Arch)	1' 11" 3/16
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	7' 4" 1/8
Steel (Arch)	28' 8" 15/16
Weight (lb)	34.35
Max. Deflection Up (in)	0.000 (Node: 6 - SLS-007)
Max. Deflection Down (in)	-0.008 (Node: 6 - SLS-003)
Max CR - Top Chord	0.225
Max CR - Bottom Chord	0.253
Status	Pass

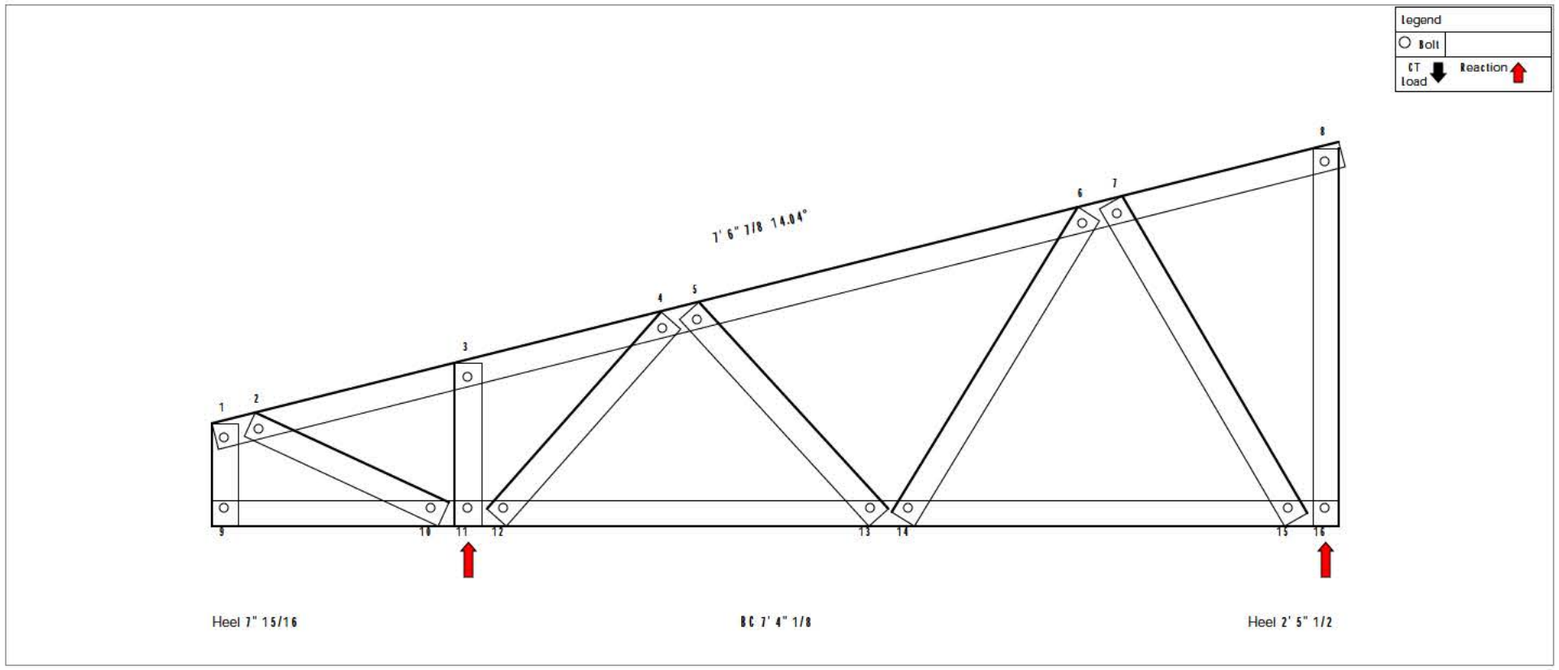
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	14	-0.008	0.276	0.030	SLS-003
Live	14	-0.004	0.184	0.021	SLS-002
Wind	14	0.008	0.184	0.041	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	13	0.014	0.276	0.051	SLS-003
Live	13	0.005	0.184	0.030	SLS-002
Wind	13	-0.011	0.184	0.061	SLS-007

Truss T3



Reactions (lb)

Reaction @ Node 16	
Max. Ult	364.440 (ULS-007)
Min. Ult	-421.050 (ULS-054)

Reaction @ Node 11	
Max. Ult	601.115 (ULS-007)
Min. Ult	-512.641 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.005)	0.001 (SLS-003)	0.000 (SLS-002)	-0.002 (SLS-007)	Bolt
2	(0.312, -0.038)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	Bolt
3	(1.669, 0.301)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(2.943, 0.620)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.004 (SLS-007)	Bolt
5	(3.167, 0.676)	-0.006 (SLS-003)	-0.003 (SLS-002)	0.006 (SLS-007)	Bolt
6	(5.676, 1.303)	-0.008 (SLS-003)	-0.004 (SLS-002)	0.008 (SLS-007)	Bolt
7	(5.907, 1.361)	-0.006 (SLS-003)	-0.003 (SLS-002)	0.005 (SLS-007)	Bolt
8	(7.260, 1.699)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
9	(0.005, -0.554)	0.001 (SLS-003)	0.000 (SLS-002)	-0.002 (SLS-007)	Bolt
10	(1.432, -0.554)	0.001 (SLS-003)	0.001 (SLS-002)	-0.001 (SLS-007)	Bolt
11	(1.669, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
12	(1.906, -0.554)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
13	(4.297, -0.554)	-0.008 (SLS-003)	-0.004 (SLS-002)	0.007 (SLS-007)	Bolt
14	(4.547, -0.554)	-0.008 (SLS-003)	-0.004 (SLS-002)	0.008 (SLS-007)	Bolt
15	(7.023, -0.554)	-0.005 (SLS-003)	-0.002 (SLS-002)	0.004 (SLS-007)	Bolt
16	(7.260, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.001	0.006	0.008	OK
2 - 3	0.013	0.010	0.055	0.067	OK
3 - 4	0.006	0.010	0.164	0.159	OK
4 - 5	0.037	0.030	0.154	0.181	OK
5 - 6	0.043	0.024	0.208	0.186	OK
6 - 7	0.017	0.013	0.205	0.225	OK
7 - 8	0.004	0.001	0.205	0.211	OK
Bottom Chord					
9 - 10	0.000	0.000	0.088	0.089	OK
10 - 11	0.011	0.011	0.133	0.144	OK
11 - 12	0.025	0.004	0.133	0.172	OK
12 - 13	0.112	0.028	0.066	0.170	OK
13 - 14	0.042	0.028	0.073	0.100	OK
14 - 15	0.065	0.020	0.194	0.253	OK
15 - 16	0.000	0.000	0.188	0.218	OK
Webs					
9 - 1	0.002	0.004	0.000	0.004	OK
16 - 8	0.006	0.005	0.000	0.006	OK
2 - 10	0.015	0.016	0.000	0.016	OK
3 - 11	0.016	0.024	0.000	0.024	OK
12 - 4	0.084	0.055	0.000	0.084	OK
5 - 13	0.005	0.023	0.000	0.023	OK
14 - 6	0.036	0.022	0.000	0.036	OK
7 - 15	0.100	0.070	0.000	0.100	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T4

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 11" 3/16
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	5' 4" 15/16
Height (Arch)	2' 1/4
Loaded Width (Arch)	1' 11" 3/16
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	5' 4" 15/16
Steel (Arch)	22' 6" 3/8
Weight (lb)	26.92
Max. Deflection Up (in)	0.003 (Node: 6 - SLS-007)
Max. Deflection Down (in)	-0.003 (Node: 6 - SLS-003)
Max CR - Top Chord	0.107
Max CR - Bottom Chord	0.142
Status	Pass

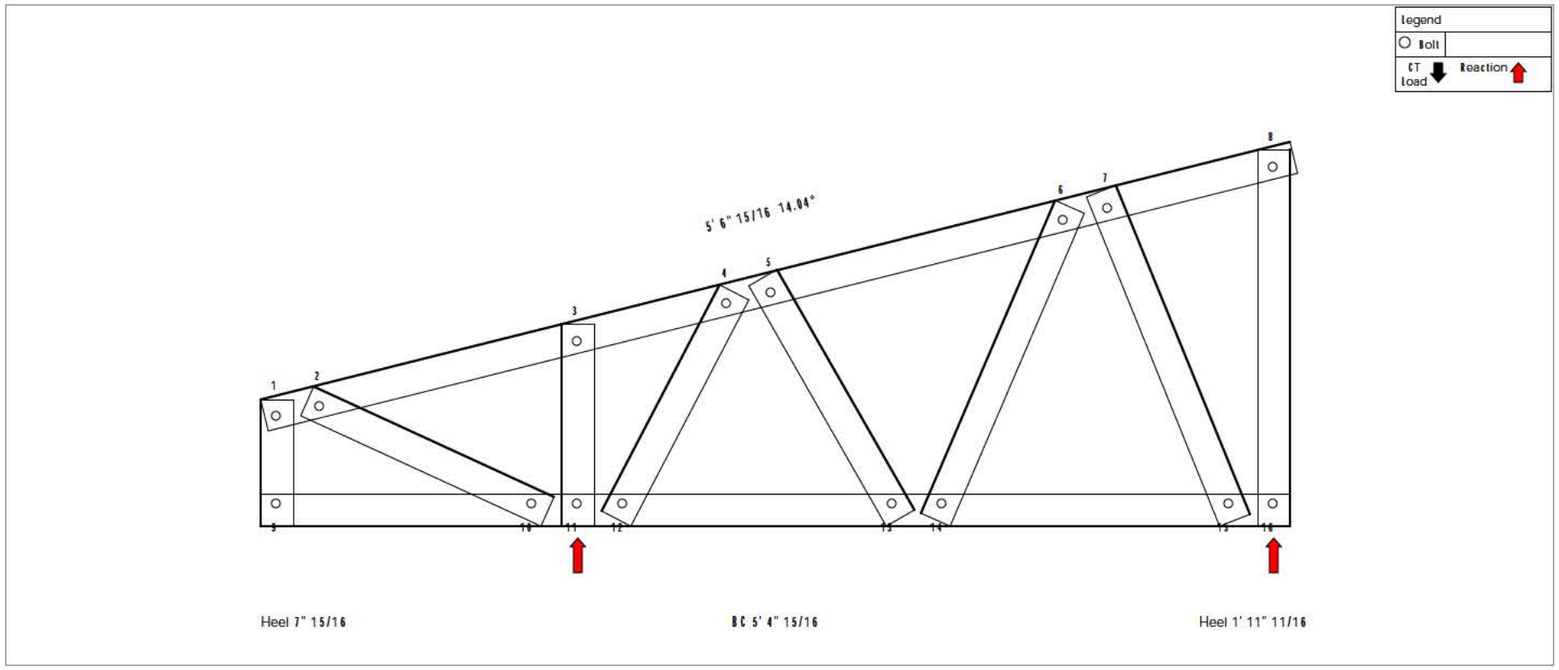
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	14	-0.003	0.179	0.018	SLS-003
Live	14	-0.002	0.119	0.013	SLS-002
Wind	14	0.003	0.119	0.026	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	13	0.004	0.179	0.024	SLS-003
Live	13	0.002	0.119	0.016	SLS-002
Wind	13	-0.004	0.119	0.033	SLS-007

Truss T4



Reactions (lb)

Reaction @ Node 16	
Max. Ult	216.286 (ULS-007)
Min. Ult	-271.391 (ULS-054)

Reaction @ Node 11	
Max. Ult	485.633 (ULS-007)
Min. Ult	-403.596 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.005)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	Bolt
2	(0.312, -0.038)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
3	(1.669, 0.301)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(2.456, 0.498)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
5	(2.689, 0.556)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.003 (SLS-007)	Bolt
6	(4.226, 0.941)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-007)	Bolt
7	(4.459, 0.999)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
8	(5.328, 1.216)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
9	(0.005, -0.554)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	Bolt
10	(1.432, -0.554)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	Bolt
11	(1.669, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
12	(1.907, -0.554)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	Bolt
13	(3.327, -0.554)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.003 (SLS-007)	Bolt
14	(3.586, -0.554)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-007)	Bolt
15	(5.004, -0.554)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
16	(5.328, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Identical Trusses			
T4 (Level 1)	T17 (Level 1)		

2 Identical Trusses.
(2 on this level)

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.001	0.006	0.008	OK
2 - 3	0.014	0.013	0.056	0.069	OK
3 - 4	0.007	0.011	0.090	0.083	OK
4 - 5	0.012	0.010	0.075	0.091	OK
5 - 6	0.016	0.009	0.108	0.099	OK
6 - 7	0.006	0.004	0.087	0.107	OK
7 - 8	0.002	0.000	0.087	0.093	OK
Bottom Chord					
9 - 10	0.000	0.000	0.048	0.049	OK
10 - 11	0.014	0.012	0.091	0.104	OK
11 - 12	0.015	0.000	0.091	0.121	OK
12 - 13	0.032	0.009	0.054	0.069	OK
13 - 14	0.020	0.011	0.027	0.040	OK
14 - 15	0.021	0.009	0.121	0.142	OK
15 - 16	0.000	0.000	0.121	0.141	OK
Webs					
9 - 1	0.000	0.003	0.000	0.003	OK
16 - 8	0.003	0.003	0.000	0.003	OK
2 - 10	0.018	0.018	0.000	0.018	OK
3 - 11	0.015	0.023	0.000	0.023	OK
12 - 4	0.047	0.031	0.000	0.047	OK
5 - 13	0.000	0.013	0.000	0.013	OK
14 - 6	0.016	0.009	0.000	0.016	OK
7 - 15	0.041	0.045	0.000	0.045	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T5

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 8" 1/4
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	3' 5" 3/4
Height (Arch)	1' 6" 7/16
Loaded Width (Arch)	1' 8" 1/4
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	3' 5" 3/4
Steel (Arch)	14' 4" 7/16
Weight (lb)	17.17
Max. Deflection Up (in)	0.001 (Node: 2 - SLS-007)
Max. Deflection Down (in)	-0.002 (Node: 7 - SLS-003)
Max CR - Top Chord	0.062
Max CR - Bottom Chord	0.071
Status	Pass

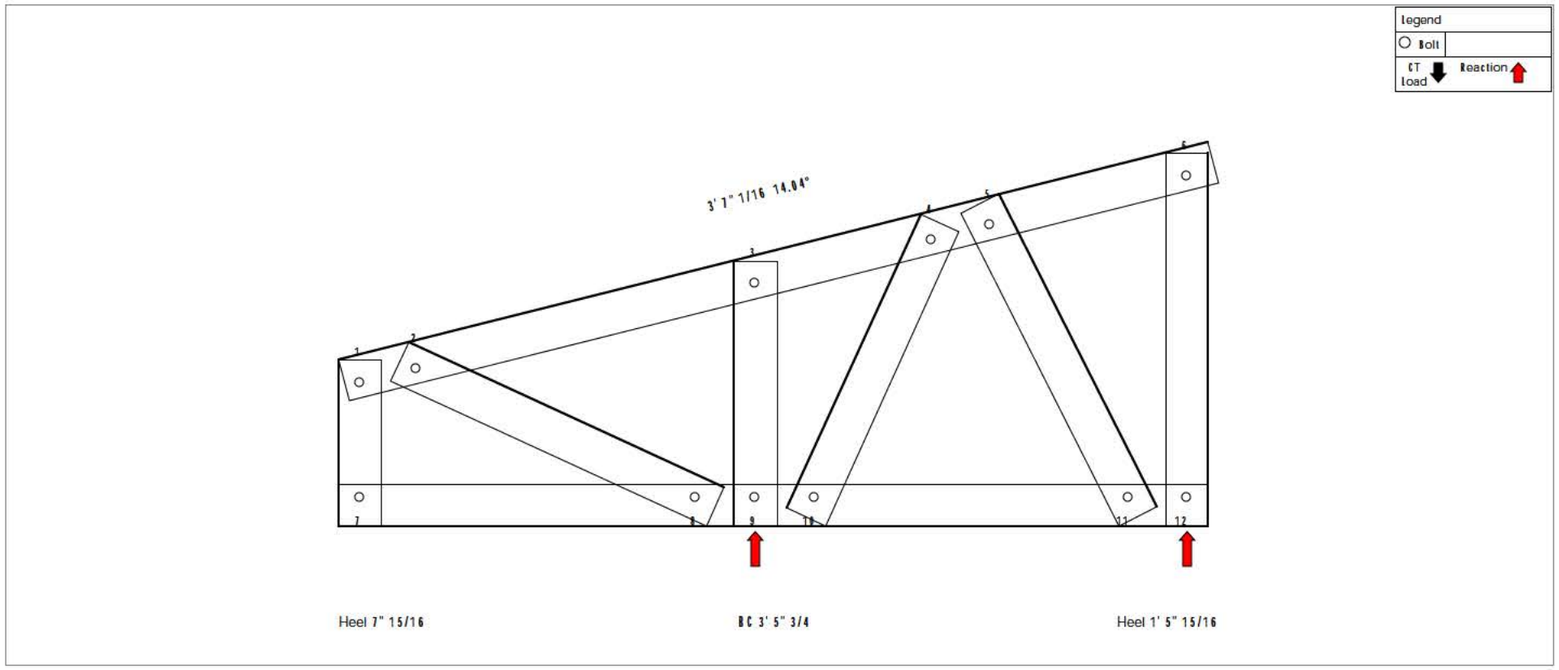
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	7	-0.002	0.125	0.017	SLS-003
Live	7	-0.001	0.083	0.012	SLS-002
Wind	7	0.001	0.083	0.008	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	6	0.002	0.125	0.017	SLS-003
Live	6	0.001	0.083	0.012	SLS-002
Wind	6	-0.001	0.083	0.008	SLS-007

Truss T5



Reactions (lb)

Reaction @ Node 12	
Max. Ult	43.430 (ULS-031)
Min. Ult	-86.636 (ULS-054)

Reaction @ Node 9	
Max. Ult	352.015 (ULS-007)
Min. Ult	-277.015 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.095)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
2	(0.312, -0.038)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
3	(1.669, 0.301)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(2.376, 0.478)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
5	(2.610, 0.537)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
6	(3.396, 0.733)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
7	(0.005, -0.554)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
8	(1.432, -0.554)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
9	(1.669, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
10	(1.906, -0.554)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
11	(3.161, -0.554)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
12	(3.396, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.001	0.008	0.011	OK
2 - 3	0.015	0.012	0.048	0.062	OK
3 - 4	0.007	0.011	0.048	0.055	OK
4 - 5	0.001	0.001	0.024	0.038	OK
5 - 6	0.002	0.001	0.028	0.029	OK
Bottom Chord					
7 - 8	0.000	0.000	0.020	0.021	OK
8 - 9	0.013	0.012	0.056	0.070	OK
9 - 10	0.011	0.001	0.056	0.071	OK
10 - 11	0.005	0.000	0.021	0.026	OK
11 - 12	0.000	0.000	0.021	0.025	OK
Webs					
7 - 1	0.000	0.002	0.000	0.002	OK
12 - 6	0.008	0.007	0.000	0.008	OK
2 - 8	0.018	0.018	0.000	0.018	OK
3 - 9	0.016	0.024	0.000	0.024	OK
10 - 4	0.024	0.010	0.000	0.024	OK
5 - 11	0.000	0.011	0.000	0.011	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 8" 11/16
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	2' 7/16
Height (Arch)	1' 2" 1/8
Loaded Width (Arch)	1' 8" 11/16
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	2' 7/16
Steel (Arch)	7' 7" 1/8
Weight (lb)	9.07
Max. Deflection Up (in)	0.030 (Node: 1 - SLS-007)
Max. Deflection Down (in)	-0.042 (Node: 1 - SLS-003)
Max CR - Top Chord	0.128
Max CR - Bottom Chord	0.386
Status	Pass

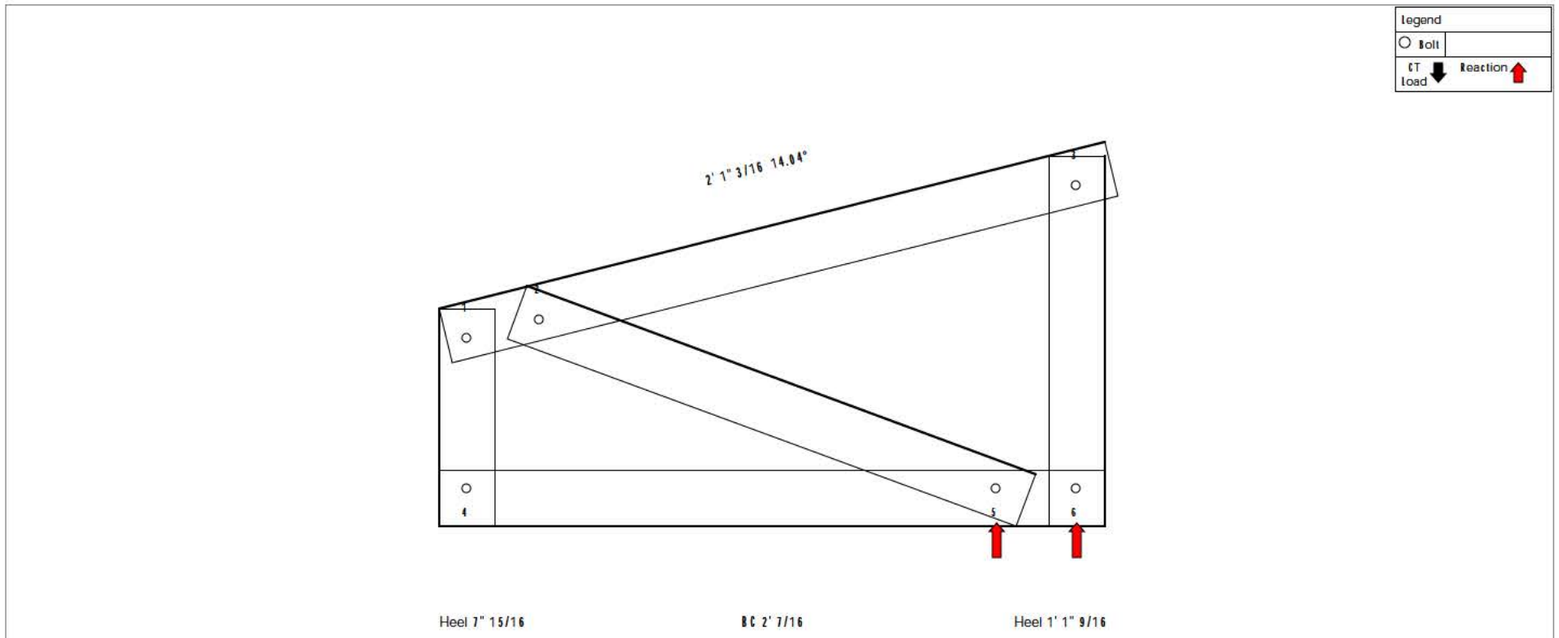
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	1	-0.042	0.125	0.336	SLS-003
Live	4	-0.023	0.083	0.272	SLS-002
Wind	4	0.030	0.083	0.355	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	3	0.042	0.125	0.336	SLS-003
Live	3	0.023	0.083	0.272	SLS-002
Wind	3	-0.030	0.083	0.355	SLS-007

Truss T6



Reactions (lb)

Reaction @ Node 6	
Max. Ult	370.663 (ULS-054)
Min. Ult	-580.582 (ULS-007)

Reaction @ Node 5	
Max. Ult	793.475 (ULS-007)
Min. Ult	-565.066 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.095)	-0.042 (SLS-003)	-0.023 (SLS-002)	0.030 (SLS-007)	Bolt
2	(0.310, -0.039)	-0.038 (SLS-003)	-0.021 (SLS-002)	0.027 (SLS-007)	Bolt
3	(1.953, 0.372)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(0.005, -0.550)	-0.042 (SLS-003)	-0.023 (SLS-002)	0.030 (SLS-007)	Bolt
5	(1.709, -0.550)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
6	(1.953, -0.550)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.002	0.002	0.034	0.038	OK
2 - 3	0.005	0.002	0.124	0.128	OK
Bottom Chord					
4 - 5	0.000	0.000	0.335	0.337	OK
5 - 6	0.000	0.000	0.335	0.386	OK
Webs					
4 - 1	0.010	0.011	0.000	0.011	OK
6 - 3	0.012	0.015	0.000	0.015	OK
2 - 5	0.003	0.009	0.000	0.009	OK

Disclaimer

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1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T1

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 3" 15/16
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	9' 3" 15/16
Height (Arch)	3'
Loaded Width (Arch)	1' 3" 15/16
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	9' 3" 15/16
Steel (Arch)	36' 10" 3/8
Weight (lb)	44.05
Max. Deflection Up (in)	0.014 (Node: 16 - SLS-007)
Max. Deflection Down (in)	-0.013 (Node: 16 - SLS-003)
Max CR - Top Chord	0.299
Max CR - Bottom Chord	0.240
Status	Pass

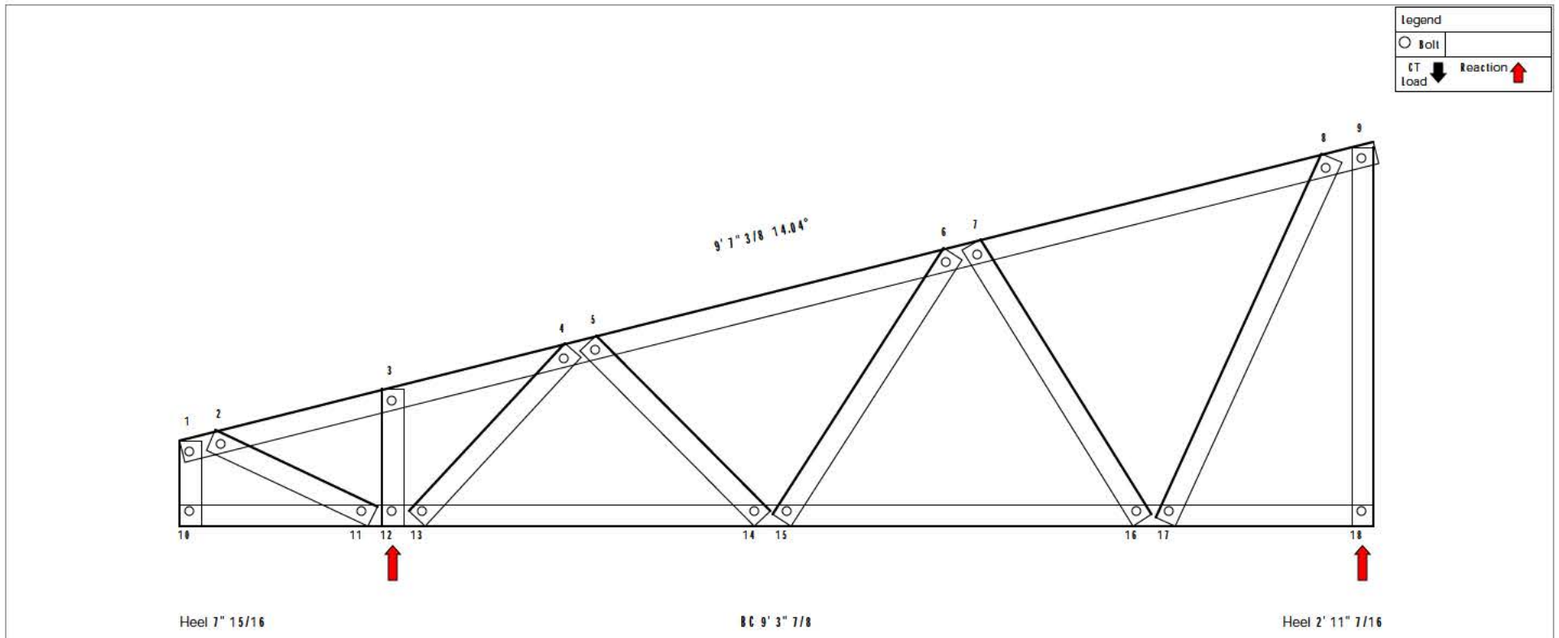
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	16	-0.013	0.375	0.035	SLS-003
Live	16	-0.007	0.250	0.027	SLS-002
Wind	16	0.014	0.250	0.055	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	14	0.018	0.375	0.048	SLS-003
Live	14	0.009	0.250	0.035	SLS-002
Wind	14	-0.018	0.250	0.071	SLS-007

Truss T1



Reactions (lb)

Reaction @ Node 18	
Max. Ult	350.232 (ULS-007)
Min. Ult	-391.953 (ULS-054)

Reaction @ Node 12	
Max. Ult	500.862 (ULS-007)
Min. Ult	-433.714 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.095)	0.001 (SLS-003)	0.002 (SLS-002)	-0.004 (SLS-007)	Bolt
2	(0.327, -0.034)	0.002 (SLS-003)	0.001 (SLS-002)	-0.003 (SLS-007)	Bolt
3	(1.669, 0.301)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(3.012, 0.637)	-0.006 (SLS-003)	-0.003 (SLS-002)	0.006 (SLS-007)	Bolt
5	(3.255, 0.698)	-0.008 (SLS-003)	-0.004 (SLS-002)	0.008 (SLS-007)	Bolt
6	(5.992, 1.302)	-0.013 (SLS-003)	-0.007 (SLS-002)	0.013 (SLS-007)	Bolt
7	(6.236, 1.443)	-0.013 (SLS-003)	-0.007 (SLS-002)	0.014 (SLS-007)	Bolt
8	(8.961, 2.125)	-0.009 (SLS-003)	-0.005 (SLS-002)	0.010 (SLS-007)	Bolt
9	(9.240, 2.195)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	Bolt
10	(0.005, -0.554)	0.003 (SLS-003)	0.002 (SLS-002)	-0.004 (SLS-007)	Bolt
11	(1.432, -0.554)	0.002 (SLS-003)	0.001 (SLS-002)	-0.001 (SLS-007)	Bolt
12	(1.669, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
13	(1.906, -0.554)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
14	(4.499, -0.554)	-0.010 (SLS-003)	-0.005 (SLS-002)	0.010 (SLS-007)	Bolt
15	(4.747, -0.554)	-0.011 (SLS-003)	-0.006 (SLS-002)	0.011 (SLS-007)	Bolt
16	(7.488, -0.554)	-0.013 (SLS-003)	-0.007 (SLS-002)	0.014 (SLS-007)	Bolt
17	(7.735, -0.554)	-0.010 (SLS-003)	-0.006 (SLS-002)	0.011 (SLS-007)	Bolt
18	(9.240, -0.554)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Identical Trusses			
T1 (Level 1)	T45 (Level 1)	T46 (Level 1)	T47 (Level 1)
T48 (Level 1)	T49 (Level 1)	T50 (Level 1)	T51 (Level 1)
T52 (Level 1)	T53 (Level 1)	T54 (Level 1)	T55 (Level 1)
T59 (Level 1)	T60 (Level 1)	T61 (Level 1)	T62 (Level 1)
T63 (Level 1)			

17 Identical Trusses.
(17 on this level)

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.001	0.001	0.007	0.007	OK
2 - 3	0.007	0.006	0.037	0.044	OK
3 - 4	0.002	0.006	0.120	0.115	OK
4 - 5	0.040	0.032	0.110	0.140	OK
5 - 6	0.053	0.031	0.160	0.190	OK
6 - 7	0.037	0.028	0.267	0.289	OK
7 - 8	0.027	0.015	0.312	0.299	OK
8 - 9	0.012	0.009	0.225	0.249	OK
Bottom Chord					
10 - 11	0.000	0.000	0.082	0.083	OK
11 - 12	0.006	0.007	0.114	0.120	OK
12 - 13	0.025	0.006	0.114	0.150	OK
13 - 14	0.114	0.030	0.065	0.174	OK
14 - 15	0.054	0.036	0.051	0.086	OK
15 - 16	0.102	0.034	0.138	0.240	OK
16 - 17	0.020	0.015	0.138	0.172	OK
17 - 18	0.000	0.000	0.067	0.068	OK
Webs					
10 - 1	0.002	0.003	0.000	0.003	OK
18 - 9	0.130	0.055	0.000	0.130	OK
2 - 11	0.008	0.010	0.000	0.010	OK
3 - 12	0.012	0.017	0.000	0.017	OK
13 - 4	0.081	0.054	0.000	0.081	OK
5 - 14	0.000	0.011	0.000	0.011	OK
15 - 6	0.011	0.007	0.000	0.011	OK
7 - 16	0.097	0.063	0.000	0.097	OK
17 - 8	0.165	0.050	0.000	0.165	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T8

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 2" 1/8
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	9' 10" 1/16
Height (Arch)	3' 1" 1/2
Loaded Width (Arch)	1' 2" 1/8
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	9' 10" 1/16
Steel (Arch)	42' 11" 7/16
Weight (lb)	48.75
Max. Deflection Up (in)	0.001 (Node: 13 - SLS-007)
Max. Deflection Down (in)	-0.001 (Node: 12 - SLS-003)
Max CR - Top Chord	0.199
Max CR - Bottom Chord	0.088
Status	Pass

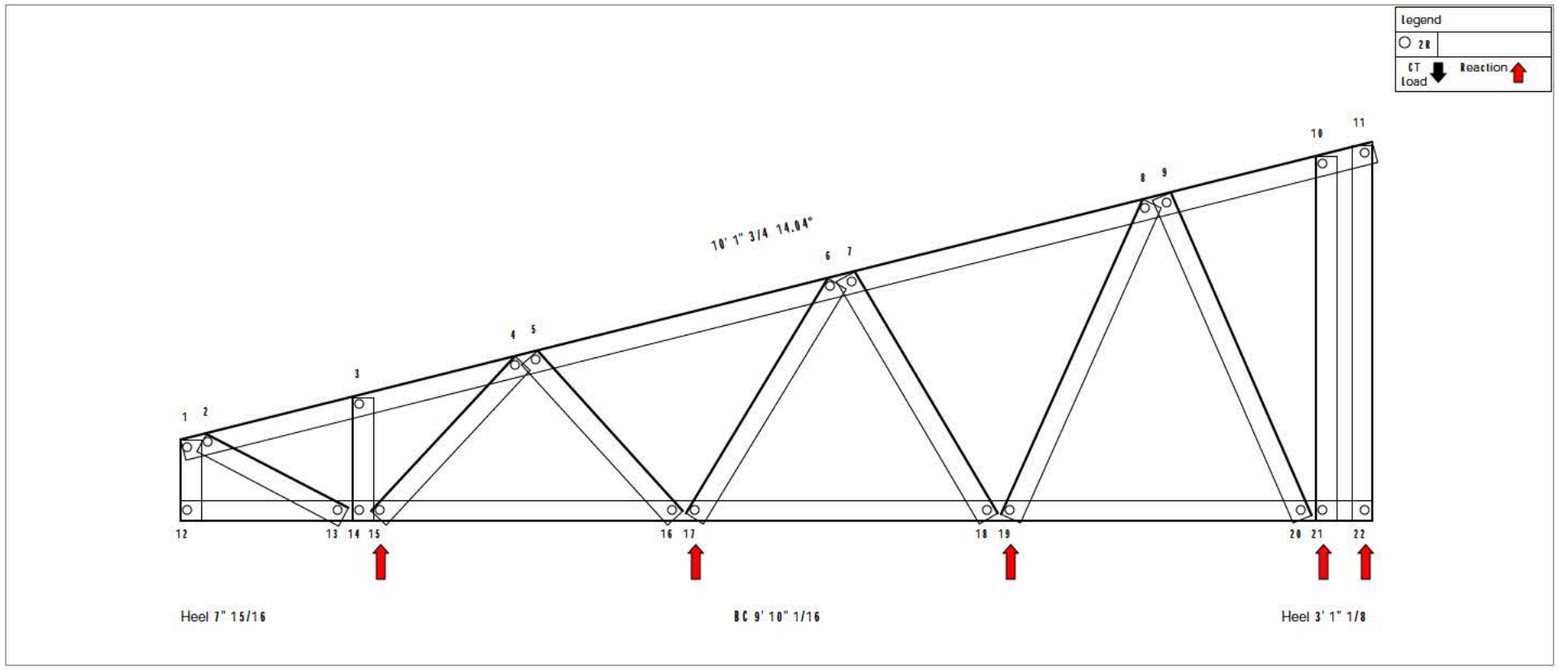
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	12	-0.001	0.157	0.009	SLS-003
Live	12	-0.001	0.105	0.007	SLS-002
Wind	13	0.001	0.105	0.009	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	11	-0.002	0.157	0.012	SLS-003
Live	11	-0.001	0.105	0.010	SLS-002
Wind	11	0.001	0.105	0.013	SLS-007

Truss T8



Reactions (lb)

Reaction @ Node 22		Reaction @ Node 21		Reaction @ Node 19		Reaction @ Node 17		Reaction @ Node 15	
Max. Uli	-3.894 (ULS-054)	Max. Uli	123.614 (ULS-007)	Max. Uli	243.532 (ULS-007)	Max. Uli	241.020 (ULS-007)	Max. Uli	208.817 (ULS-007)
Min. Uli	-19.319 (ULS-031)	Min. Uli	-127.180 (ULS-054)	Min. Uli	-249.591 (ULS-054)	Min. Uli	-273.001 (ULS-054)	Min. Uli	-122.958 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.861, -0.867)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
2	(0.232, -0.825)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
3	(1.478, 0.287)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
4	(2.771, 0.610)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
5	(2.938, 0.652)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
6	(5.371, 1.260)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
7	(5.544, 1.304)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
8	(7.973, 1.911)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
9	(8.148, 1.955)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
10	(9.436, 2.277)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
11	(9.779, 2.363)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
12	(0.861, -0.587)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
13	(1.303, -0.587)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
14	(1.479, -0.587)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
15	(1.657, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
16	(4.962, -0.587)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
17	(4.258, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
18	(6.662, -0.587)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
19	(6.856, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
20	(9.257, -0.587)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
21	(9.436, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
22	(9.779, -0.587)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.014	0.017	OK
2 - 3	0.010	0.007	0.041	0.050	OK
3 - 4	0.006	0.007	0.084	0.089	OK
4 - 5	0.006	0.002	0.140	0.146	OK
5 - 6	0.022	0.009	0.169	0.190	OK
6 - 7	0.007	0.002	0.185	0.191	OK
7 - 8	0.014	0.005	0.185	0.199	OK
8 - 9	0.002	0.000	0.118	0.119	OK
9 - 10	0.003	0.001	0.115	0.118	OK
10 - 11	0.001	0.000	0.009	0.010	OK
Bottom Chord					
12 - 13	0.000	0.000	0.061	0.061	OK
13 - 14	0.009	0.007	0.061	0.067	OK
14 - 15	0.009	0.007	0.069	0.080	OK
15 - 16	0.019	0.003	0.071	0.088	OK
16 - 17	0.008	0.001	0.071	0.086	OK
17 - 18	0.007	0.001	0.065	0.072	OK
18 - 19	0.005	0.002	0.065	0.075	OK
19 - 20	0.004	0.001	0.051	0.051	OK
20 - 21	0.000	0.000	0.034	0.039	OK
21 - 22	0.000	0.000	0.032	0.034	OK
Webs					
12 - 1	0.001	0.001	0.000	0.001	OK
22 - 11	0.001	0.001	0.000	0.001	OK
2 - 13	0.012	0.007	0.000	0.012	OK
3 - 14	0.010	0.009	0.000	0.010	OK
15 - 4	0.010	0.000	0.000	0.010	OK
5 - 16	0.015	0.018	0.000	0.018	OK
17 - 6	0.018	0.011	0.000	0.018	OK
7 - 18	0.011	0.012	0.000	0.012	OK
19 - 8	0.019	0.011	0.000	0.019	OK
9 - 20	0.005	0.006	0.000	0.006	OK
10 - 21	0.007	0.005	0.000	0.007	OK

Disclaimer

This engineering report generated from the Scottsdale Construction Systems Pty Ltd (Scottsdale) engineering software (Engineering Software) is derived from the designer's inputs which have been used in the engineering calculations conducted by the Engineering Software. The designer acknowledges that it is solely responsible for ensuring that:

1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

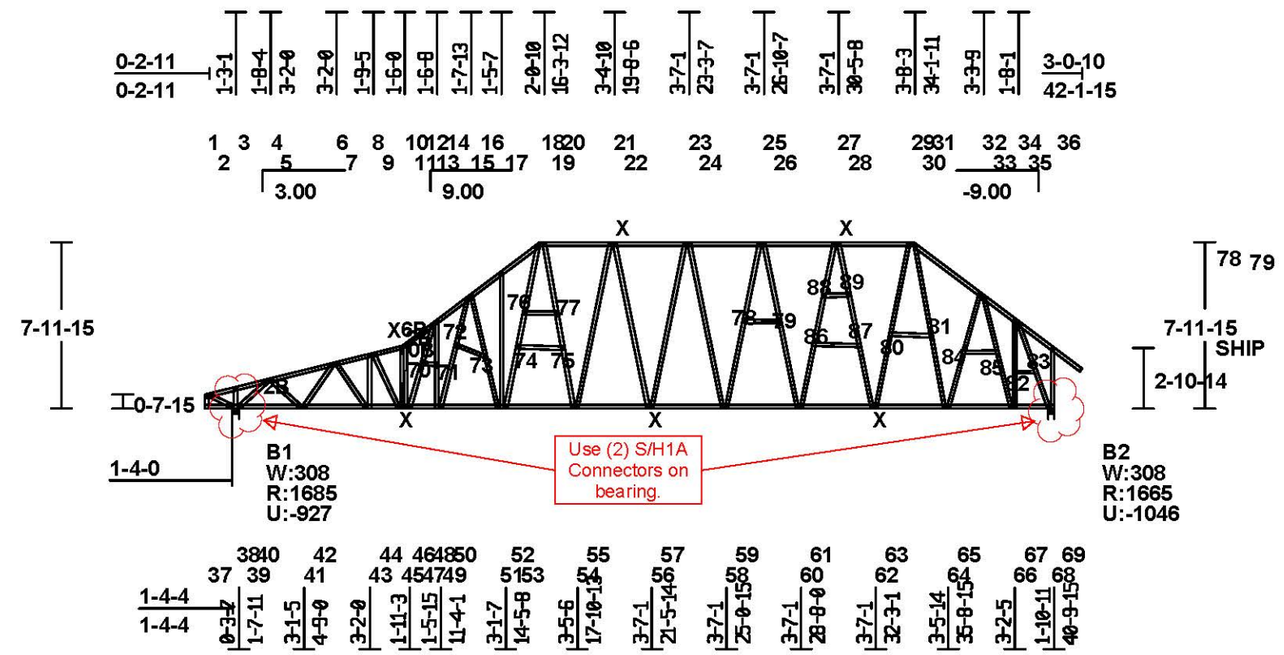
To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Job Name:	Truss ID: T9	Qty: 1	SPACING: 2- 0- 0	PLY: 1	WEIGHT: 283.29

TC	FORCE	AXL	BND	CSI	ID	SCRWS
1-2	-34	0.00	0.07	0.08	1	
2-3	-227	0.03	0.07	0.10	1	
3-4	-236	0.03	0.22	0.24	1	-SP
4-5	-2216	0.31	0.21	0.49	1	SP-
5-6	-2838	0.40	0.18	0.57	1	
6-7	-3406	0.48	0.17	0.63	1	
7-8	-3529	0.49	0.07	0.55	1	
8-9	-3518	0.49	0.04	0.52	1	
9-12	-3504	0.49	0.09	0.57	1	
12-11	4185	0.54	0.07	0.61	1	0B- 6B
11-13	-4260	0.59	0.27	0.84	1	6B- 0B
13-14	-2565	0.36	0.37	0.70	1	SP-SP
14-15	-3639	0.51	0.37	0.85	1	SP-SP
15-16	-2207	0.31	0.32	0.60	1	SP-
16-17	-2679	0.38	0.25	0.60	1	
17-18	-2689	0.37	0.28	0.62	1	
18-19	-1620	0.23	0.28	0.48	1	-SP
19-20	-1855	0.26	0.12	0.36	1	SP-
20-21	-1889	0.26	0.19	0.45	1	
21-22	-1946	0.27	0.19	0.44	1	
22-23	-1951	0.27	0.13	0.40	1	
23-24	-1933	0.27	0.19	0.43	1	
24-25	-1867	0.26	0.19	0.44	1	
25-26	-1786	0.25	0.24	0.46	1	
26-27	-1660	0.23	0.24	0.46	1	
27-28	-1514	0.21	0.42	0.61	1	
28-29	-1303	0.18	0.49	0.66	1	
29-30	-1138	0.16	0.49	0.63	1	-SP
30-31	-1529	0.21	0.03	0.24	1	SP-
31-32	-1311	0.11	0.60	0.60	1	
32-33	-1509	0.21	0.30	0.49	1	
33-34	-676	0.08	0.30	0.38	1	
34-35	-1386	0.19	0.23	0.41	1	-SP
35-36	218	0.03	0.27	0.30	1	SP-
36-OR	46	0.00	0.27	0.27	1	

BC	FORCE	AXL	BND	CSI	ID	SCRWS
37-38	0	0.00	0.37	0.37	1	
38-39	228	0.02	0.38	0.40	1	
39-40	-355	0.02	0.39	0.58	1	-SP
40-41	1911	0.25	0.24	0.46	1	SP-
41-42	2742	0.35	0.15	0.50	1	
42-43	3205	0.41	0.13	0.54	1	
43-44	3410	0.44	0.13	0.57	1	
44-45	3410	0.44	0.54	0.96	1	
45-47	3387	0.43	0.61	1.02	1	
47-48	3360	0.43	0.61	1.02	1	-SP
48-49	2799	0.36	0.49	0.85	1	SP-SP
49-50	2795	0.36	0.37	0.73	1	SP-SP
50-51	2370	0.30	0.63	0.86	1	SP-
51-52	2091	0.27	0.58	0.82	1	
52-53	2091	0.27	0.43	0.70	1	
53-54	1840	0.24	0.43	0.67	1	
54-55	1889	0.24	0.12	0.35	1	
55-56	1946	0.25	0.22	0.37	1	
56-57	1951	0.25	0.09	0.34	1	
57-58	1933	0.25	0.09	0.34	1	
58-59	1867	0.24	0.12	0.36	1	
59-60	1785	0.23	0.12	0.35	1	
60-61	1660	0.21	0.22	0.44	1	
61-62	1514	0.19	0.22	0.42	1	
62-63	1303	0.17	0.24	0.41	1	
63-64	1084	0.14	0.24	0.38	1	
64-65	1007	0.13	0.16	0.29	1	
65-66	864	0.11	0.23	0.32	1	
66-67	588	0.07	0.28	0.42	1	
67-68	581	0.07	0.28	0.36	1	-SP



Scale: 3/32" = 1'

NUTRUSS™
A NUCONSTEEL Product

WARNING *Read all notes on this sheet and verify all design parameters.*

Truss design on this sheet is only valid with NUTRUSS sections and is for an individual building component, not a truss system. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is part of the building design and which must be considered by the building designer. Bracing shown is lateral bracing of truss members only. Any additional bracing, temporary and/or permanent, is the responsibility of the truss erector and/or the building designer. The Professional Engineer's seal indicates only that the truss assembly shown on this sheet meets the acceptable design criteria for the loads, loading condition, truss configuration and spans specified.

Designer:
Dsgn Chk:
Engg Chk:
Cutting :

TC Live	20.00 psf
TC Dead	10.00 psf
BC Live	0.00 psf
BC Dead	10.00 psf
TOTAL	40.00 psf

Design Spec: AISI S100-2012
Buildg Spec: FBC2023

Date: 7/ 9/2024 @ 13:52:17
Seqn S8.1.0a - 3234

Job Name: | Truss ID: T9 | Qty: 1 | SPACING: 2- 0- 0 | PLY: 1 | WEIGHT: 283.29

WEB	FORCE	CSI	ID	SCRWS
68-69	0	0.00	0.20 0.20 1	SP-
1-37	-141	0.02	1	
2-38	253	0.03	1	
3-39	-82	0.01	1	
4-40	-2310	0.58	1	2B- 2B
5-41	1144	0.15	1	
6-42	-840	0.34	1	
7-43	387	0.10	1	
8-44	118	0.05	1	
9-45	161	0.03	1	
10-46	-903	0.48	1	
12-47	-903	0.48	1	
13-48	2059	0.48	1	2B- 0B
14-49	-1795	0.58	1	SP-SP
15-50	1780	0.74	1	SP-SP
16-51	-1196	0.79	1	
17-52	180	0.26	1	
18-53	1269	0.71	1	
20-54	280	0.20	1	
21-55	-287	0.65	1	
22-56	338	0.29	1	
23-57	-311	0.70	1	
24-58	-329	0.74	1	
25-59	411	0.36	1	
26-60	-632	0.68	1	
27-61	738	0.43	1	
28-62	-1045	0.67	1	
29-63	1100	0.57	1	
31-64	-441	0.52	1	
32-65	536	0.15	1	
33-66	-1160	0.72	1	
34-67	1169	0.18	1	
35-68	-1729	0.59	1	SP-SP
36-69	315	0.07	1	
70-71	-8	0.00	1	
72-73	-3	0.00	1	
74-75	4	0.00	1	
76-77	-4	0.00	1	
78-79	0	0.00	1	
38-89	6	0.00	1	
86-87	-5	0.00	1	
80-81	1	0.00	1	
84-85	1	0.00	1	
82-83	14	0.00	1	

UPLIFT REACTION(S) :

Support	C&C Wind	Main Wind	Non-Wind
1	-829 lb	-927 lb	
2	-1046 lb	-921 lb	

Type	ID	SECTION	Fy(ksi)	Joints
TC	1	20TC18	50	
BC	1	20TC18	50	
WEB	1	20TC18	50	

This truss is designed using the
ASCE7-16 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 55.00 ft, Bldg Width = 40.00 ft
Mean roof height = 12.00 ft, mph = 160
Occupancy Category II, Wind Dead Load = 7.20 psf
Designed as Main Wind Force Resisting System
- Low-rise and Components and Cladding
Tributary Area = 82 sqft
Uplifts based on elevation at or above 0 ft

THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES.
Loaded for 10 PSF non-concurrent BCLL.
Drainage must be provided to avoid ponding.
End verticals are designed for axial loads only unless noted otherwise.
Extensions above or below the truss profile (if any) have been designed for loads indicated only. Horizontal loads applied at the end of the extensions have not been considered unless shown. A drop-leg to an otherwise unsupported wall may create a hinge effect that requires additional design consideration (by others).
20 psf bottom chord live load NOT required for this truss, per IBC/IRC requirements for attics with limited storage.

This design based on chord bracing applied per the following schedule:

	max o.c.	from	to
TC	12.00"	0- 0- 0	42- 1-15
BC	12.00"	0- 0- 0	40- 9-15

Galvanization: G60

REACTIONS

BRG	X-LOC	SIZE	REACT	HORIZ
1	1- 5-12	3.50"	1685	346
2	40- 8- 3	3.50"	1665	346

	DEFLECTION	LOC.	ALLOW.	LC
Vert CL:	-0.44" (L/999)	11-13	L/240	53
Vert LL:	-0.22" (L/999)	11-13	L/360	53
Horz CL:	0.13"			
Cantilever				
Vert CL:	0.09" (L/193)	37-38	L/ 90	53
Vert LL:	0.05" (L/372)	37-38	L/120	53

===== Joint Locations =====

1	0- 0- 0	46	9- 5-14
2	0- 2-11	47	9- 8- 0
3	1- 5-12	48	9-10- 3
4	3- 0- 4	49	11- 1-13
5	3- 2- 0	50	11- 4- 1
6	6- 1-13	51	14- 0-14
7	6- 4- 0	52	14- 3- 2
8	7-11- 0	53	14- 5- 8
9	8- 1- 5	54	17- 8- 8
10	9- 5- 8	55	17-10-13
11	9- 6- 0	56	21- 3- 8
12	9- 7- 6	57	21- 5-14
13	10-11-12	58	24-10- 9
14	11- 1-13	59	25- 0-15
15	12- 7- 7	60	28- 5-10
16	12- 9-11	61	28- 8- 0
17	14- 3- 2	62	32- 0-11
18	16- 0- 3	63	32- 3- 1
19	16- 1- 5	64	35- 6- 9
20	16- 3-12	65	35- 8-15
21	19- 6- 0	66	38- 9- 0
22	19- 8- 6	67	38-11- 4
23	23- 1- 1	68	40- 6-11
24	23- 3- 7	69	40- 9-15
25	26- 8- 2	70	10- 5-10
26	26-10- 7	71	11- 1-13
27	30- 3- 2	72	12- 0-14
28	30- 5- 8	73	13- 6- 0
29	33-10- 2	74	15- 0- 8
30	34- 0- 9	75	17- 2- 7
31	34- 1-11	76	15- 4- 9
32	37- 3- 0	77	16-11- 1
33	37- 5- 4	78	25-11- 3
34	38-11- 4	79	27- 7-13
35	39- 1- 5	80	32-11- 2
36	40- 9-15	81	34-10-11
37	0- 0- 0	82	38-11- 4
38	1- 4- 4	83	39- 9- 5
39	1- 5-12	84	36- 6- 4

Each connection requires 3/8" diameter proprietary bolt supplied by NUCONSTEEL
SCRWS = The required number of double-sided #14 screws at each end of the truss member: SP = Spacer supplied by NUCONSTEEL

NUTRUSS™
A NUCONSTEEL Product

WARNING *Read all notes on this sheet and verify all design parameters.*

Truss design on this sheet is only valid with NUTRUSS sections and is for an individual building component, not a truss system. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is part of the building design and which must be considered by the building designer. Bracing shown is lateral bracing of truss members only. Any additional bracing, temporary and/or permanent, is the responsibility of the truss erector and/or the building designer. The Professional Engineer's seal indicates only that the truss assembly shown on this sheet meets the acceptable design criteria for the loads, loading condition, truss configuration and spans specified.

When the specified screw count cannot be achieved at the chord to web connections, a 16 gauge gusset plate must be added on both sides of the connection. Typically, gusset plates are at pitch break joints."
Min. screw spacing = 9/16" and min. edge distance = 9/16".

Chk:
Dsgnr:

TC Live	20.00 psf
TC Dead	10.00 psf
BC Live	0.00 psf
BC Dead	10.00 psf
TOTAL	40.00 psf

Design Spec: AISI-2001
Buildg Spec: FBC203

Date: 7/ 9/2024 @ 13:52:17
Seqn S8.1.0a - 3234

```
== Joint Locations,Contd ==
40   4- 1- 0    85  38- 1-11
41   4- 7- 0    86  29- 4- 9
42   4- 9- 0    87  31- 6-11
43   7- 8-12    88  29- 8-13
44   7-11- 0    89  30-11- 3
45   9- 3-11
X-Brac. Locations (Joints)==
  BC   TC
  45   10
  56   22
  62   28
```

NUTRUSS™
A NUCONSTEEL Product

WARNING *Read all notes on this sheet and verify all design parameters.*

Truss design on this sheet is only valid with NUTRUSS sections and is for an individual building component, not a truss system. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is part of the building design and which must be considered by the building designer. Bracing shown is lateral bracing of truss members only. Any additional bracing, temporary and/or permanent, is the responsibility of the truss erector and/or the building designer. The Professional Engineer's seal indicates only that the truss assembly shown on this sheet meets the acceptable design criteria for the loads, loading condition, truss configuration and spans specified.

When the specified screw count cannot be achieved at the chord to web connections, a 16 gauge gusset plate must be added on both sides of the connection. Typically, gusset plates are at pitch break joints."
Min. screw spacing = 9/16" and min. edge distance = 9/16".

Chk:
Dsgnr:

TC Live	20.00 psf
TC Dead	10.00 psf
BC Live	0.00 psf
BC Dead	10.00 psf
TOTAL	40.00 psf

Design Spec: AISI-2001
Buildg Spec: FBC2023

Date: 7/ 9/2024 @ 13:52:17
Seqn S8.1.0a - 3234

Truss T9A

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	H2_1.5-20Ga-50Ksi
Width (Arch)	17' 6" 7/8
Height (Arch)	6' 8" 3/4
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	17' 5" 13/16
Steel (Arch)	84' 6" 3/8
Weight (lb)	101.00
Max. Deflection Up (in)	0.003 (Node: 3 - SLS-007)
Max. Deflection Down (in)	-0.003 (Node: 7 - SLS-007)
Max CR - Top Chord	0.292
Max CR - Bottom Chord	0.225
Status	Pass

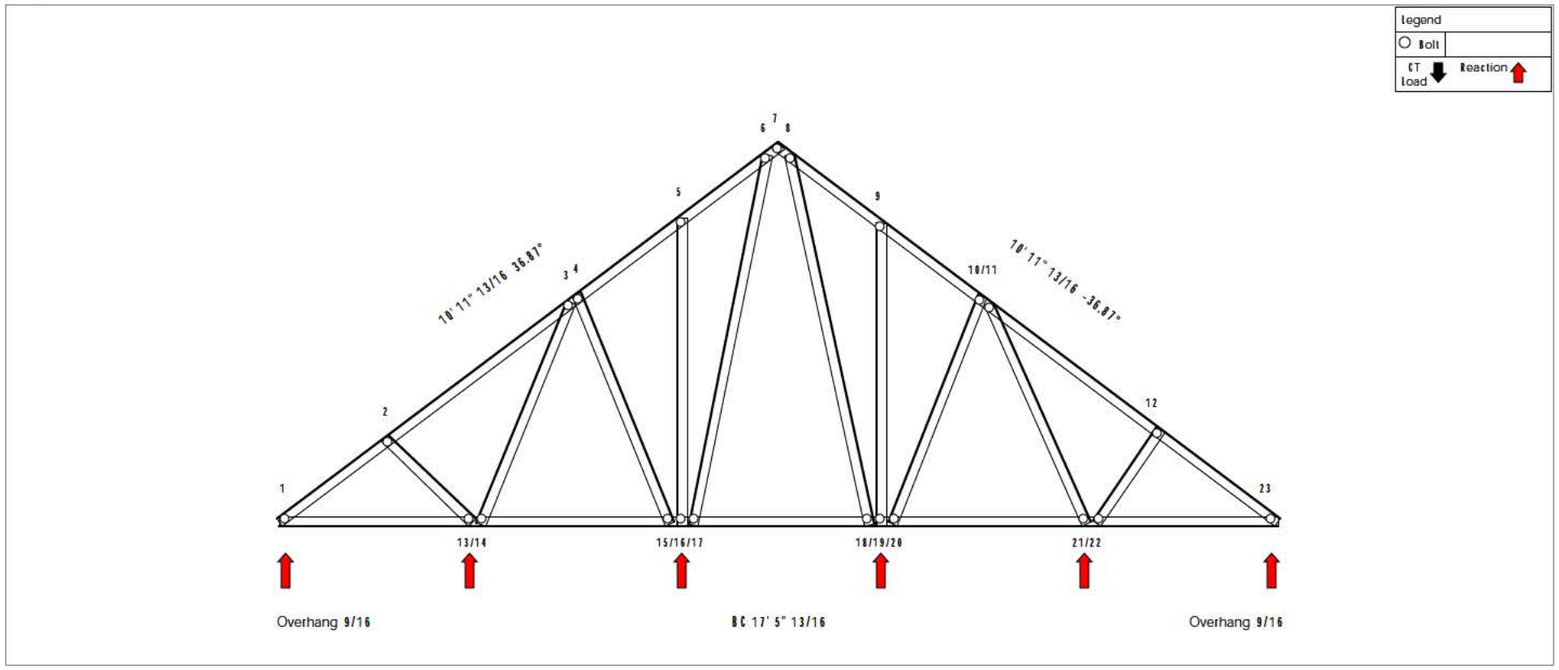
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	22	-0.002	1.726	0.001	SLS-003
Live	22	-0.001	1.151	0.001	SLS-002
Wind	15	0.002	1.151	0.002	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	23	0.010	1.726	0.006	SLS-003
Live	23	0.003	1.151	0.002	SLS-002
Wind	15	-0.006	1.151	0.006	SLS-007

Truss T9A



Reactions (lb)

Reaction @ Node 23		Reaction @ Node 21		Reaction @ Node 19		Reaction @ Node 16		Reaction @ Node 13		Reaction @ Node 1	
Max. Uli	177.029 (ULS-008)	Max. Uli	616.729 (ULS-011)	Max. Uli	616.733 (ULS-035)	Max. Uli	840.178 (ULS-034)	Max. Uli	559.048 (ULS-034)	Max. Uli	316.309 (ULS-033)
Min. Uli	-6.975 (ULS-059)	Min. Uli	-316.152 (ULS-054)	Min. Uli	-321.334 (ULS-056)	Min. Uli	-494.910 (ULS-057)	Min. Uli	-257.385 (ULS-054)	Min. Uli	-154.654 (ULS-058)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.156, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
2	(1.961, 1.330)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	Bolt
3	(5.128, 3.705)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-007)	Bolt
4	(5.294, 3.838)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
5	(7.091, 5.177)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
6	(8.577, 6.292)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.002 (SLS-009)	Bolt
7	(8.787, 6.449)	0.000 (SLS-003)	0.000 (SLS-002)	-0.003 (SLS-007)	Bolt
8	(8.998, 6.291)	-0.001 (SLS-003)	-0.001 (SLS-002)	-0.001 (SLS-007)	Bolt
9	(10.585, 5.101)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
10	(12.324, 3.796)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	Bolt
11	(12.501, 3.664)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	Bolt
12	(15.427, 1.468)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	Bolt
13	(3.367, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
14	(3.684, -0.824)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
15	(6.856, -0.824)	-0.001 (SLS-003)	0.000 (SLS-002)	0.002 (SLS-007)	Bolt
16	(7.893, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
17	(7.318, -0.824)	0.000 (SLS-003)	0.000 (SLS-002)	-0.002 (SLS-007)	Bolt
18	(10.357, -0.824)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	Bolt
19	(10.535, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
20	(10.828, -0.824)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	Bolt
21	(14.152, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
22	(14.410, -0.824)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	Bolt
23	(17.410, -0.824)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.075	0.037	0.317	0.285	OK
2 - 3	0.073	0.051	0.317	0.292	OK
3 - 4	0.045	0.035	0.231	0.255	OK
4 - 5	0.046	0.034	0.278	0.251	OK
5 - 6	0.034	0.029	0.096	0.093	OK
6 - 7	0.013	0.021	0.052	0.064	OK
7 - 8	0.009	0.014	0.060	0.071	OK
8 - 9	0.014	0.021	0.112	0.106	OK
9 - 10	0.009	0.009	0.236	0.234	OK
10 - 11	0.014	0.009	0.196	0.198	OK
11 - 12	0.031	0.025	0.284	0.268	OK
12 - 23	0.041	0.019	0.284	0.266	OK
Bottom Chord					
1 - 13	0.127	0.086	0.108	0.180	OK
13 - 14	0.049	0.045	0.108	0.133	OK
14 - 15	0.100	0.050	0.103	0.141	OK
15 - 16	0.044	0.043	0.181	0.205	OK
16 - 17	0.044	0.043	0.181	0.205	OK
17 - 18	0.094	0.047	0.083	0.147	OK
18 - 19	0.048	0.046	0.086	0.133	OK
19 - 20	0.048	0.046	0.115	0.153	OK
20 - 21	0.073	0.038	0.153	0.225	OK
21 - 22	0.046	0.041	0.153	0.199	OK
22 - 23	0.042	0.035	0.091	0.128	OK
Webs					
2 - 13	0.085	0.042	0.000	0.085	OK
14 - 3	0.158	0.014	0.000	0.158	OK
4 - 15	0.227	0.034	0.000	0.227	OK
5 - 16	0.265	0.027	0.000	0.265	OK
17 - 6	0.380	0.020	0.000	0.380	OK
8 - 18	0.176	0.000	0.000	0.176	OK
9 - 19	0.305	0.029	0.000	0.305	OK
20 - 10	0.201	0.032	0.000	0.201	OK
11 - 21	0.180	0.018	0.000	0.180	OK
22 - 12	0.075	0.040	0.000	0.075	OK

Disclaimer

This engineering report generated from the Scottsdale Construction Systems Pty Ltd (Scottsdale) engineering software (Engineering Software) is derived from the designer's inputs which have been used in the engineering calculations conducted by the Engineering Software. The designer acknowledges that it is solely responsible for ensuring that:

1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T10

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	9' 11" 7/16
Height (Arch)	2' 10" 3/16
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	9' 11" 7/16
Steel (Arch)	37' 1" 1/16
Weight (lb)	42.09
Max. Deflection Up (in)	0.004 (Node: 8 - SLS-007)
Max. Deflection Down (in)	-0.003 (Node: 10 - SLS-003)
Max CR - Top Chord	0.623
Max CR - Bottom Chord	0.277
Status	Pass

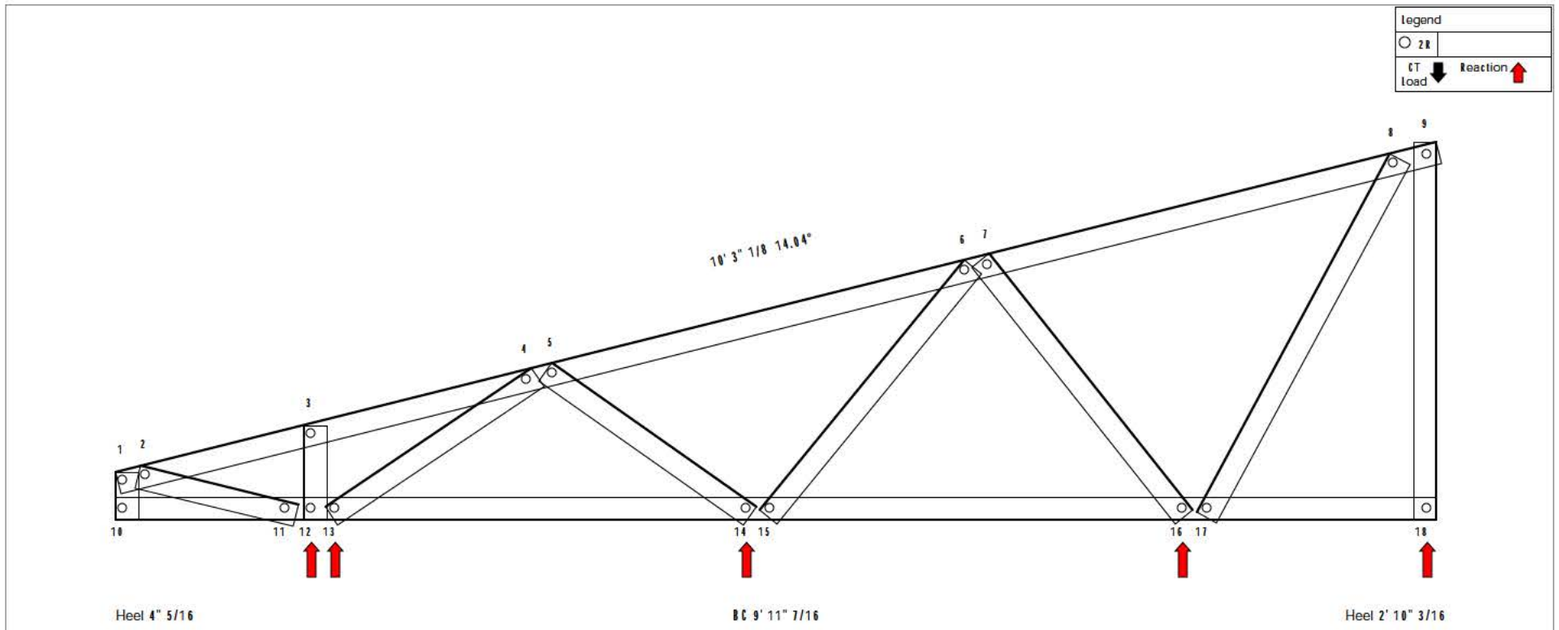
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	10	-0.003	0.127	0.023	SLS-003
Live	10	-0.001	0.085	0.017	SLS-002
Wind	17	0.002	0.062	0.032	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	16	-0.004	0.093	0.039	SLS-003
Live	16	-0.002	0.062	0.037	SLS-002
Wind	16	0.004	0.062	0.072	SLS-007

Truss T10



Reactions (lb)

Reaction @ Node 18		Reaction @ Node 16		Reaction @ Node 14		Reaction @ Node 13		Reaction @ Node 12	
Max. Uli	173.091 (ULS-054)	Max. Uli	711.686 (ULS-007)	Max. Uli	392.569 (ULS-007)	Max. Uli	160.059 (ULS-006)	Max. Uli	248.931 (ULS-007)
Min. Uli	-120.700 (ULS-007)	Min. Uli	-837.997 (ULS-054)	Min. Uli	-421.377 (ULS-054)	Min. Uli	84.262 (ULS-055)	Min. Uli	-368.114 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.861, -0.867)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
2	(0.231, -0.825)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
3	(1.488, 0.287)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
4	(3.103, 0.693)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
5	(3.298, 0.742)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
6	(6.402, 1.520)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
7	(6.577, 1.562)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
8	(8.635, 2.327)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.004 (SLS-007)	28
9	(8.894, 2.392)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
10	(0.861, -0.279)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
11	(1.281, -0.279)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
12	(1.488, -0.279)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
13	(1.657, -0.279)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
14	(4.756, -0.279)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
15	(4.926, -0.279)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
16	(8.043, -0.279)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
17	(8.233, -0.279)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
18	(8.894, -0.279)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.012	0.015	OK
2 - 3	0.020	0.014	0.090	0.110	OK
3 - 4	0.013	0.014	0.255	0.267	OK
4 - 5	0.006	0.000	0.365	0.369	OK
5 - 6	0.051	0.016	0.491	0.540	OK
6 - 7	0.019	0.006	0.575	0.594	OK
7 - 8	0.049	0.019	0.575	0.623	OK
8 - 9	0.005	0.004	0.202	0.216	OK
Bottom Chord					
10 - 11	0.000	0.000	0.021	0.022	OK
11 - 12	0.018	0.013	0.066	0.085	OK
12 - 13	0.031	0.002	0.068	0.099	OK
13 - 14	0.038	0.009	0.101	0.107	OK
14 - 15	0.015	0.011	0.124	0.134	OK
15 - 16	0.003	0.000	0.171	0.173	OK
16 - 17	0.023	0.021	0.230	0.277	OK
17 - 18	0.000	0.000	0.230	0.230	OK
Webs					
10 - 1	0.000	0.001	0.000	0.001	OK
18 - 9	0.025	0.012	0.000	0.025	OK
2 - 11	0.023	0.031	0.000	0.031	OK
3 - 12	0.019	0.016	0.000	0.019	OK
13 - 4	0.031	0.011	0.000	0.031	OK
5 - 14	0.038	0.040	0.000	0.040	OK
15 - 6	0.025	0.041	0.000	0.041	OK
7 - 16	0.040	0.035	0.000	0.040	OK
17 - 8	0.062	0.045	0.000	0.062	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T11

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	31' 3" 13/16
Height (Arch)	8'
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	31' 3" 13/16
Steel (Arch)	217' 7" 1/16
Weight (lb)	246.97
Max. Deflection Up (in)	0.003 (Node: 7 - SLS-003)
Max. Deflection Down (in)	-0.005 (Node: 7 - SLS-007)
Max CR - Top Chord	0.504
Max CR - Bottom Chord	0.315
Status	Pass

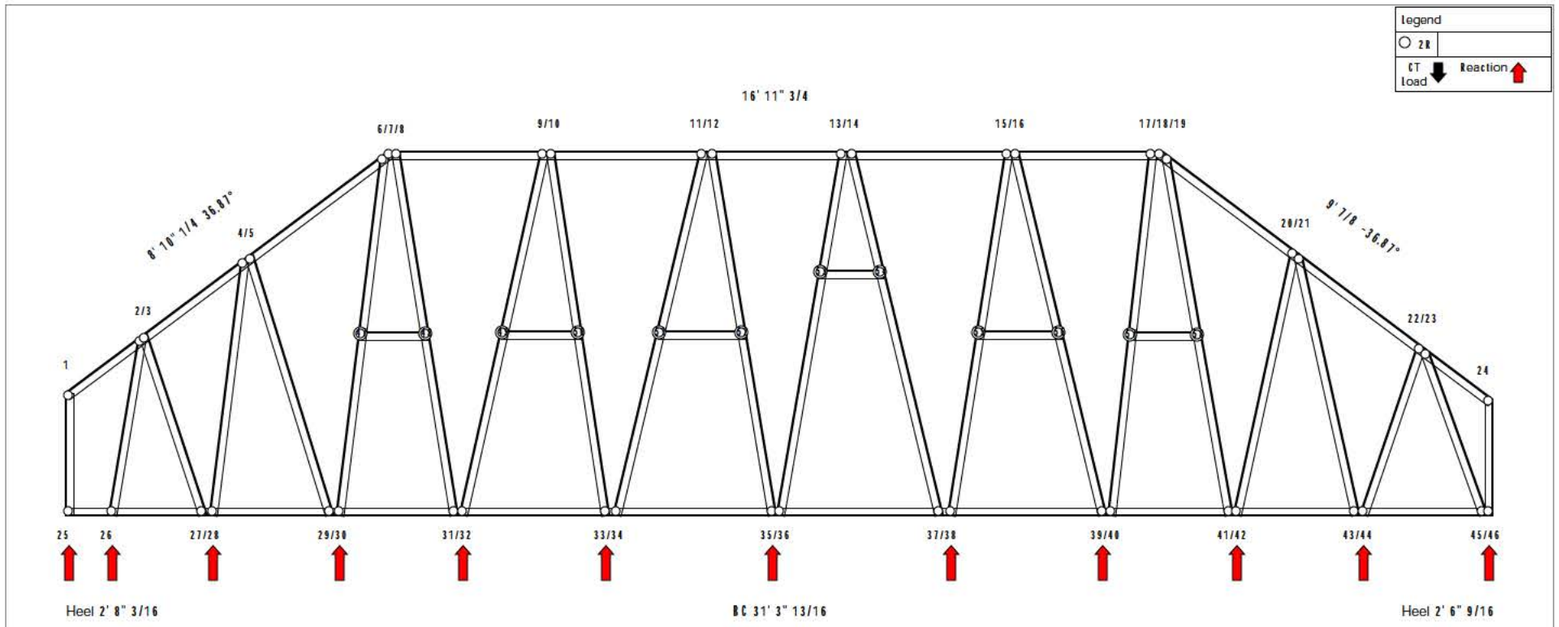
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	37	-0.004	0.196	0.020	SLS-003
Live	37	-0.002	0.131	0.015	SLS-002
Wind	27	0.002	0.074	0.025	SLS-010

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	35	-0.022	0.196	0.112	SLS-003
Live	37	0.006	0.111	0.055	SLS-002
Wind	37	-0.007	0.111	0.060	SLS-010

Truss T11



Reactions (lb)

Reaction @ Node 46		Reaction @ Node 44		Reaction @ Node 42		Reaction @ Node 39		Reaction @ Node 38		Reaction @ Node 35		Reaction @ Node 33		Reaction @ Node 32	
Max. Uli	200.124 (ULS-032)	Max. Uli	390.328 (ULS-011)	Max. Uli	620.394 (ULS-035)	Max. Uli	295.878 (ULS-010)	Max. Uli	306.419 (ULS-011)	Max. Uli	318.431 (ULS-010)	Max. Uli	277.278 (ULS-010)	Max. Uli	311.132 (ULS-011)
Min. Uli	-83.204 (ULS-057)	Min. Uli	-251.276 (ULS-054)	Min. Uli	-500.802 (ULS-056)	Min. Uli	-350.133 (ULS-057)	Min. Uli	-209.161 (ULS-056)	Min. Uli	-183.887 (ULS-057)	Min. Uli	-192.012 (ULS-057)	Min. Uli	-455.933 (ULS-056)

Reaction @ Node 30		Reaction @ Node 28		Reaction @ Node 26		Reaction @ Node 25	
Max. Uli	707.345 (ULS-034)	Max. Uli	317.082 (ULS-034)	Max. Uli	433.011 (ULS-033)	Max. Uli	83.190 (ULS-010)
Min. Uli	-575.031 (ULS-057)	Min. Uli	-230.221 (ULS-057)	Min. Uli	-256.607 (ULS-056)	Min. Uli	-90.806 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.063, -0.656)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	28
2	(1.434, 1.125)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	28
3	(1.744, 1.208)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-001)	28
4	(3.999, 2.831)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-001)	28
5	(4.063, 2.847)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-001)	28
6	(6.311, 5.128)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-010)	28
7	(7.111, 5.333)	0.003 (SLS-003)	0.002 (SLS-002)	-0.005 (SLS-007)	28
8	(7.202, 5.333)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.003 (SLS-009)	28
9	(10.473, 5.232)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-010)	28
10	(10.568, 5.232)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
11	(13.972, 5.232)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.001 (SLS-009)	28
12	(14.298, 5.232)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
13	(17.634, 5.231)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.001 (SLS-010)	28
14	(17.771, 5.231)	-0.005 (SLS-003)	-0.003 (SLS-002)	0.003 (SLS-010)	28
15	(24.671, 5.231)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	28
16	(24.864, 5.231)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
17	(31.036, 5.230)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-010)	28
18	(24.036, 5.230)	0.001 (SLS-003)	0.001 (SLS-002)	-0.004 (SLS-007)	28
19	(24.185, 5.116)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-009)	28
20	(26.945, 3.958)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
21	(27.095, 2.936)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
22	(29.122, 0.966)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
23	(29.072, 0.653)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
24	(31.258, -0.187)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
25	(0.063, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
26	(1.811, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
27	(3.883, -2.695)	0.000 (SLS-003)	0.000 (SLS-002)	0.002 (SLS-010)	28
28	(3.271, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
29	(5.396, -2.695)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-010)	28
30	(6.004, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
31	(8.536, -2.695)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
32	(8.728, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
33	(11.066, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
34	(12.095, -2.695)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
35	(15.578, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
36	(15.698, -2.695)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
37	(19.184, -2.695)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-010)	28
38	(19.429, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
39	(22.357, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
40	(22.968, -2.695)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	28
41	(25.537, -2.695)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
42	(26.322, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
43	(28.313, -2.695)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
44	(28.502, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
45	(31.112, -2.695)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-009)	28
46	(31.259, -2.695)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
47	(0.498, 1.203)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-009)	28
48	(2.914, 1.203)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-009)	28
49	(9.686, 1.314)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	28
50	(11.263, 1.314)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
51	(13.036, 1.314)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
52	(14.855, 1.314)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
53	(16.589, 2.642)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-010)	28
54	(17.984, 2.642)	-0.005 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-010)	28
55	(20.858, 1.313)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	28
56	(21.811, 1.313)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
57	(23.395, 1.279)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-010)	28
58	(24.859, 1.279)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.007	0.008	0.159	0.153	OK
2 - 3	0.024	0.017	0.268	0.300	OK
3 - 4	0.007	0.013	0.294	0.301	OK
4 - 5	0.023	0.021	0.481	0.504	OK
5 - 6	0.006	0.023	0.481	0.486	OK
6 - 7	0.001	0.023	0.067	0.075	OK
7 - 8	0.000	0.024	0.055	0.062	OK
8 - 9	0.000	0.024	0.358	0.363	OK
9 - 10	0.000	0.027	0.358	0.365	OK
10 - 11	0.000	0.026	0.333	0.336	OK
11 - 12	0.000	0.027	0.205	0.217	OK
12 - 13	0.001	0.027	0.211	0.222	OK
13 - 14	0.000	0.027	0.211	0.224	OK
14 - 15	0.005	0.026	0.320	0.331	OK
15 - 16	0.004	0.027	0.320	0.337	OK
16 - 17	0.009	0.024	0.315	0.334	OK
17 - 18	0.006	0.023	0.067	0.073	OK
18 - 19	0.009	0.023	0.070	0.077	OK
19 - 20	0.001	0.024	0.479	0.483	OK
20 - 21	0.010	0.012	0.479	0.489	OK
21 - 22	0.003	0.014	0.328	0.323	OK
22 - 23	0.018	0.012	0.314	0.332	OK
23 - 24	0.005	0.006	0.147	0.152	OK
Bottom Chord					
25 - 26	0.096	0.063	0.071	0.159	OK
26 - 27	0.087	0.053	0.207	0.294	OK
27 - 28	0.054	0.044	0.214	0.264	OK
28 - 29	0.060	0.043	0.256	0.315	OK
29 - 30	0.035	0.036	0.256	0.304	OK
30 - 31	0.042	0.038	0.161	0.172	OK
31 - 32	0.034	0.040	0.111	0.140	OK
32 - 33	0.040	0.034	0.112	0.140	OK
33 - 34	0.031	0.034	0.141	0.174	OK
34 - 35	0.038	0.030	0.173	0.195	OK
35 - 36	0.028	0.031	0.173	0.192	OK
36 - 37	0.036	0.029	0.132	0.164	OK
37 - 38	0.026	0.030	0.146	0.155	OK
38 - 39	0.031	0.027	0.146	0.152	OK
39 - 40	0.022	0.029	0.134	0.149	OK
40 - 41	0.027	0.028	0.134	0.155	OK
41 - 42	0.027	0.029	0.139	0.160	OK
42 - 43	0.022	0.021	0.139	0.154	OK
43 - 44	0.018	0.018	0.153	0.160	OK
44 - 45	0.008	0.007	0.156	0.158	OK
45 - 46	0.000	0.000	0.140	0.165	OK
Webs					
25 - 1	0.011	0.008	0.000	0.011	OK
46 - 24	0.008	0.006	0.000	0.008	OK
26 - 2	0.074	0.024	0.000	0.074	OK
3 - 27	0.072	0.044	0.000	0.072	OK
28 - 4	0.080	0.012	0.000	0.080	OK
5 - 29	0.123	0.045	0.000	0.123	OK
30 - 47	0.049	0.005	0.003	0.050	OK
47 - 6	0.049	0.005	0.003	0.049	OK
47 - 48	0.000	0.000	0.000	0.000	OK
8 - 48	0.023	0.012	0.003	0.023	OK
48 - 31	0.022	0.012	0.003	0.023	OK
32 - 49	0.034	0.026	0.000	0.035	OK
49 - 9	0.034	0.026	0.000	0.035	OK
49 - 50	0.000	0.000	0.000	0.000	OK
10 - 50	0.028	0.017	0.000	0.028	OK
50 - 33	0.028	0.017	0.000	0.028	OK
34 - 51	0.023	0.015	0.000	0.024	OK
51 - 11	0.023	0.015	0.000	0.024	OK
51 - 52	0.000	0.000	0.000	0.000	OK
12 - 52	0.027	0.014	0.000	0.027	OK
52 - 35	0.027	0.014	0.000	0.027	OK
36 - 53	0.035	0.013	0.000	0.035	OK
53 - 13	0.020	0.013	0.000	0.020	OK
53 - 54	0.000	0.000	0.000	0.000	OK
14 - 54	0.019	0.014	0.000	0.019	OK
54 - 37	0.034	0.014	0.000	0.034	OK
38 - 55	0.029	0.016	0.000	0.029	OK
55 - 15	0.029	0.016	0.000	0.029	OK
55 - 56	0.000	0.000	0.000	0.000	OK
16 - 56	0.024	0.019	0.000	0.024	OK
56 - 39	0.024	0.019	0.000	0.024	OK
40 - 57	0.023	0.013	0.002	0.023	OK
57 - 17	0.024	0.013	0.002	0.024	OK
57 - 58	0.000	0.000	0.000	0.000	OK
19 - 58	0.040	0.003	0.002	0.042	OK
58 - 41	0.041	0.003	0.002	0.042	OK
42 - 20	0.101	0.038	0.000	0.101	OK
21 - 43	0.046	0.003	0.000	0.046	OK
44 - 22	0.056	0.035	0.000	0.056	OK
23 - 45	0.046	0.031	0.000	0.046	OK

Disclaimer

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1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T11A

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	16' 8" 9/16
Height (Arch)	6' 4" 3/8
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	16' 7" 3/4
Steel (Arch)	80' 9" 7/8
Weight (lb)	91.74
Max. Deflection Up (in)	0.003 (Node: 3 - SLS-007)
Max. Deflection Down (in)	-0.003 (Node: 3 - SLS-003)
Max CR - Top Chord	0.438
Max CR - Bottom Chord	0.277
Status	Pass

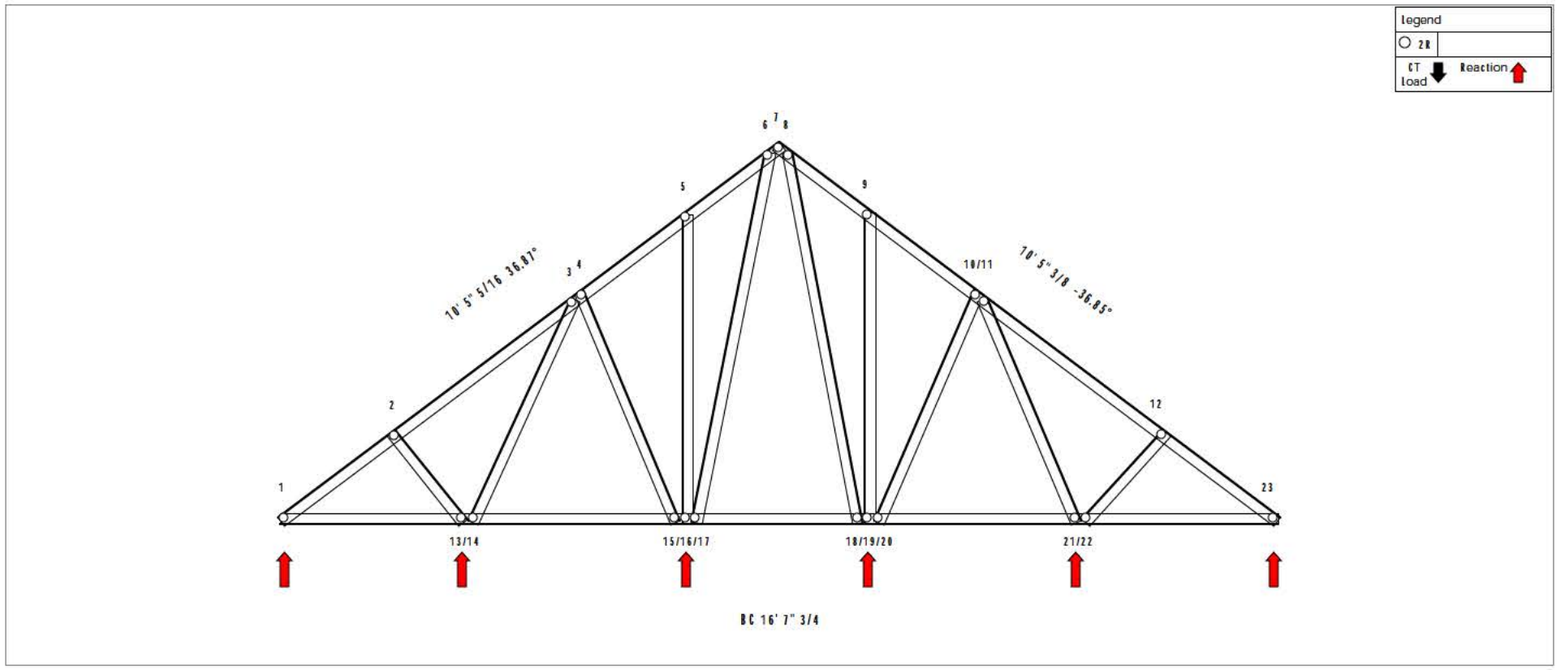
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	22	-0.002	1.649	0.001	SLS-003
Live	14	-0.001	1.099	0.001	SLS-002
Wind	15	0.002	1.099	0.001	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	23	-0.016	1.649	0.009	SLS-003
Live	15	-0.003	1.099	0.003	SLS-002
Wind	15	0.008	1.099	0.007	SLS-007

Truss T11A



Reactions (lb)

Reaction @ Node 23		Reaction @ Node 21		Reaction @ Node 19		Reaction @ Node 16		Reaction @ Node 13		Reaction @ Node 1	
Max. Uli	169.339 (ULS-008)	Max. Uli	693.105 (ULS-035)	Max. Uli	527.925 (ULS-035)	Max. Uli	831.389 (ULS-034)	Max. Uli	563.784 (ULS-034)	Max. Uli	323.627 (ULS-033)
Min. Uli	-32.228 (ULS-059)	Min. Uli	-388.860 (ULS-054)	Min. Uli	-285.671 (ULS-056)	Min. Uli	-489.312 (ULS-057)	Min. Uli	-292.271 (ULS-054)	Min. Uli	-175.205 (ULS-058)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.111, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
2	(1.957, 1.368)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	28
3	(4.916, 3.587)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.003 (SLS-007)	28
4	(5.668, 3.701)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
5	(6.802, 5.001)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
6	(8.179, 6.834)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-009)	28
7	(8.353, 6.965)	0.000 (SLS-003)	0.000 (SLS-002)	-0.003 (SLS-007)	28
8	(8.527, 6.834)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
9	(9.845, 5.047)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
10	(11.641, 3.701)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	28
11	(11.798, 3.589)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
12	(14.758, 1.378)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.000 (SLS-009)	28
13	(3.071, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
14	(3.261, -0.817)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
15	(6.622, -0.817)	-0.001 (SLS-003)	0.000 (SLS-002)	0.002 (SLS-007)	28
16	(6.802, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
17	(6.975, -0.817)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
18	(9.672, -0.817)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
19	(9.845, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
20	(10.024, -0.817)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
21	(13.384, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
22	(13.489, -0.817)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
23	(16.602, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.070	0.031	0.468	0.438	OK
2 - 3	0.072	0.038	0.468	0.437	OK
3 - 4	0.038	0.026	0.361	0.363	OK
4 - 5	0.039	0.025	0.402	0.381	OK
5 - 6	0.027	0.022	0.127	0.114	OK
6 - 7	0.010	0.011	0.073	0.080	OK
7 - 8	0.007	0.010	0.087	0.094	OK
8 - 9	0.011	0.016	0.136	0.122	OK
9 - 10	0.007	0.006	0.378	0.377	OK
10 - 11	0.009	0.005	0.340	0.340	OK
11 - 12	0.039	0.025	0.453	0.435	OK
12 - 23	0.038	0.016	0.453	0.437	OK
Bottom Chord					
1 - 13	0.063	0.045	0.163	0.197	OK
13 - 14	0.042	0.033	0.163	0.179	OK
14 - 15	0.055	0.036	0.137	0.161	OK
15 - 16	0.039	0.032	0.258	0.277	OK
16 - 17	0.039	0.032	0.258	0.275	OK
17 - 18	0.049	0.035	0.091	0.118	OK
18 - 19	0.041	0.034	0.109	0.145	OK
19 - 20	0.041	0.034	0.147	0.175	OK
20 - 21	0.041	0.029	0.212	0.252	OK
21 - 22	0.046	0.034	0.212	0.258	OK
22 - 23	0.024	0.020	0.116	0.138	OK
Webs					
2 - 13	0.049	0.023	0.000	0.049	OK
14 - 3	0.034	0.021	0.000	0.034	OK
4 - 15	0.050	0.018	0.000	0.050	OK
5 - 16	0.051	0.015	0.000	0.051	OK
17 - 6	0.082	0.011	0.000	0.082	OK
8 - 18	0.035	0.000	0.000	0.035	OK
9 - 19	0.059	0.016	0.000	0.059	OK
20 - 10	0.036	0.015	0.000	0.036	OK
11 - 21	0.060	0.041	0.000	0.060	OK
22 - 12	0.049	0.022	0.000	0.049	OK

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Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T12

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 2" 1/8
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	32' 7" 7/8
Height (Arch)	8'
Loaded Width (Arch)	1' 2" 1/8
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	31' 3" 7/8
Steel (Arch)	222' 5" 11/16
Weight (lb)	252.51
Max. Deflection Up (in)	0.070 (Node: 25 - SLS-007)
Max. Deflection Down (in)	-0.047 (Node: 25 - SLS-003)
Max CR - Top Chord	0.489
Max CR - Bottom Chord	0.510
Status	Pass

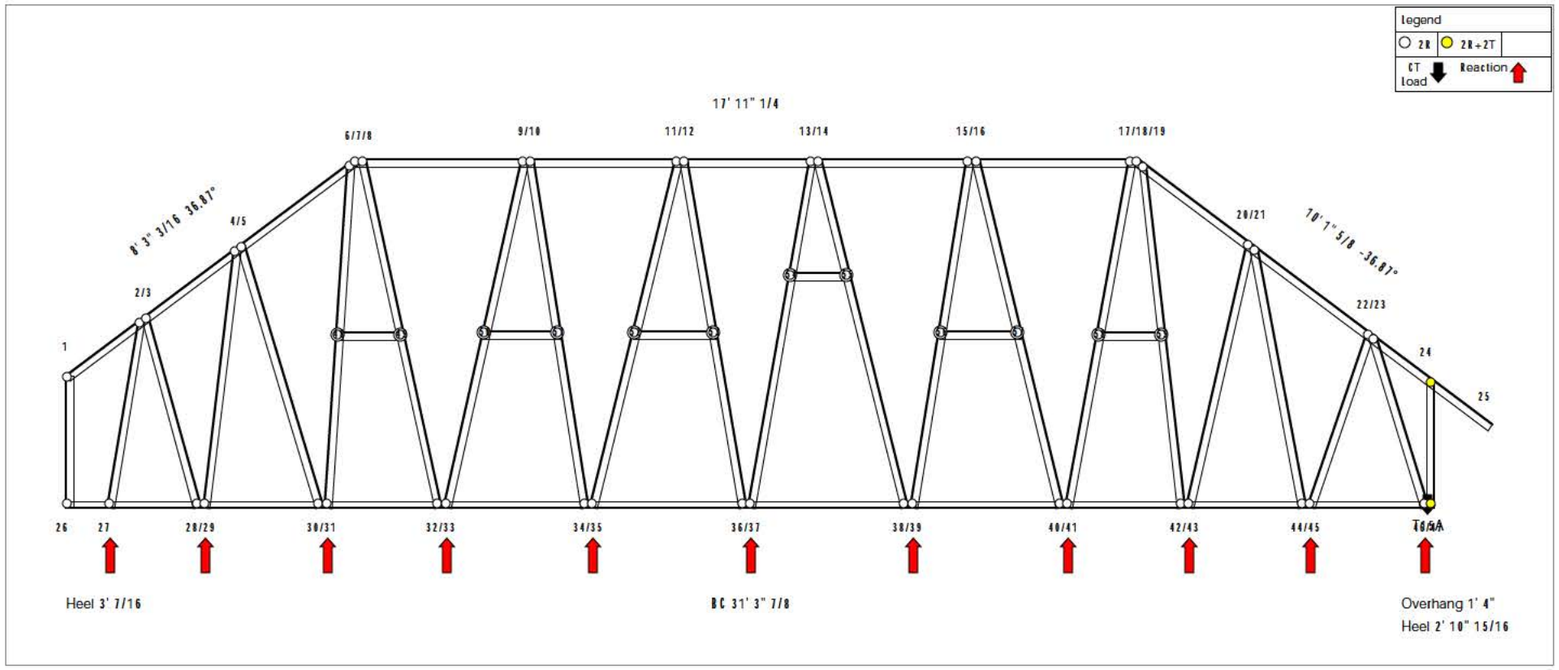
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	44	-0.001	0.139	0.010	SLS-003
Live	44	-0.001	0.093	0.008	SLS-002
Wind	44	0.001	0.093	0.014	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	44	0.012	0.127	0.092	SLS-003
Live	44	0.007	0.084	0.089	SLS-002
Wind	44	-0.014	0.084	0.164	SLS-007

Truss T12



Reactions and Loads (lb)

Reaction @ Node 46		Reaction @ Node 45		Reaction @ Node 43		Reaction @ Node 41		Reaction @ Node 39		Reaction @ Node 37		Reaction @ Node 35		Reaction @ Node 33	
Max. Ult	735.075 (ULS-007)	Max. Ult	150.867 (ULS-035)	Max. Ult	359.729 (ULS-035)	Max. Ult	310.329 (ULS-007)	Max. Ult	240.562 (ULS-007)	Max. Ult	182.780 (ULS-007)	Max. Ult	197.945 (ULS-007)	Max. Ult	366.299 (ULS-007)
Min. Ult	-587.193 (ULS-054)	Min. Ult	-237.628 (ULS-056)	Min. Ult	-255.373 (ULS-054)	Min. Ult	-283.800 (ULS-057)	Min. Ult	-120.304 (ULS-057)	Min. Ult	-84.103 (ULS-057)	Min. Ult	-71.042 (ULS-057)	Min. Ult	-336.858 (ULS-056)

Reaction @ Node 31		Reaction @ Node 29		Reaction @ Node 27		CT Load T15A (Node: 52)	
Max. Ult	361.816 (ULS-034)	Max. Ult	143.552 (ULS-034)	Max. Ult	161.269 (ULS-011)	Max. Ult	517.682 (ULS-007)
Min. Ult	-239.698 (ULS-057)	Min. Ult	-66.788 (ULS-057)	Min. Ult	-78.525 (ULS-056)	Min. Ult	517.682 (ULS-007)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.867, -0.055)	-0.014 (SLS-003)	0.000 (SLS-002)	0.016 (SLS-010)	2R
2	(1.702, 1.176)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	2R
3	(1.848, 1.206)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-010)	2R
4	(3.691, 2.818)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	2R
5	(4.838, 2.829)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	2R
6	(6.682, 4.198)	0.000 (SLS-003)	0.000 (SLS-002)	-0.000 (SLS-009)	2R
7	(6.832, 4.818)	0.002 (SLS-003)	0.001 (SLS-002)	-0.000 (SLS-007)	2R
8	(6.811, 4.818)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-009)	2R
9	(10.474, 4.818)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
10	(10.668, 4.818)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R
11	(13.994, 4.818)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
12	(14.178, 4.818)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
13	(17.561, 4.818)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
14	(17.746, 4.818)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	2R
15	(20.675, 4.877)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
16	(20.866, 4.877)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
17	(24.378, 4.877)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
18	(24.521, 4.877)	0.002 (SLS-003)	0.001 (SLS-002)	-0.003 (SLS-007)	2R
19	(24.681, 4.753)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-010)	2R
20	(27.075, 2.962)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
21	(27.221, 2.852)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
22	(29.822, 0.992)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
23	(29.953, 0.883)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-011)	2R
24	(31.265, -0.101)	-0.006 (SLS-003)	-0.004 (SLS-002)	0.007 (SLS-007)	2R+2T
25	(32.611, -1.190)	-0.047 (SLS-003)	-0.029 (SLS-002)	0.070 (SLS-007)	
26	(0.861, -2.963)	-0.016 (SLS-003)	0.000 (SLS-002)	0.016 (SLS-010)	2R
27	(1.811, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
28	(3.973, -2.963)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
29	(3.784, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
30	(5.898, -2.963)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	2R
31	(5.988, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
32	(8.536, -2.963)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	2R
33	(8.726, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
34	(11.098, -2.963)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	2R
35	(12.975, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
36	(15.596, -2.963)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
37	(15.692, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
38	(15.214, -2.963)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R
39	(19.399, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
40	(22.768, -2.963)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-010)	2R
41	(22.955, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
42	(25.542, -2.963)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	2R
43	(25.722, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
44	(28.316, -2.963)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
45	(28.502, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
46	(31.114, -2.963)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
47	(31.265, -2.963)	-0.005 (SLS-003)	-0.003 (SLS-002)	0.006 (SLS-007)	2R+2T
48	(6.245, 8.525)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	2R
49	(5.681, 8.525)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	2R
50	(8.598, 8.556)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	2R
51	(11.275, 8.556)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-011)	2R
52	(13.834, 8.556)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R
53	(14.043, 8.556)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	2R
54	(16.648, 8.284)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R
55	(17.897, 8.284)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.000 (SLS-010)	2R
56	(20.837, 8.555)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	2R
57	(21.015, 8.555)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
58	(23.668, 8.521)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-010)	2R
59	(25.111, 8.521)	0.000 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-010)	2R

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.004	0.004	0.125	0.127	OK
2 - 3	0.010	0.008	0.229	0.240	OK
3 - 4	0.003	0.011	0.229	0.231	OK
4 - 5	0.010	0.010	0.216	0.228	OK
5 - 6	0.000	0.016	0.216	0.219	OK
6 - 7	0.002	0.012	0.072	0.082	OK
7 - 8	0.000	0.015	0.060	0.060	OK
8 - 9	0.002	0.014	0.260	0.253	OK
9 - 10	0.000	0.016	0.245	0.248	OK
10 - 11	0.000	0.016	0.226	0.222	OK
11 - 12	0.000	0.017	0.132	0.132	OK
12 - 13	0.002	0.016	0.145	0.141	OK
13 - 14	0.002	0.017	0.140	0.140	OK
14 - 15	0.005	0.015	0.234	0.230	OK
15 - 16	0.004	0.016	0.227	0.239	OK
16 - 17	0.009	0.013	0.246	0.240	OK
17 - 18	0.005	0.013	0.038	0.045	OK
18 - 19	0.008	0.013	0.053	0.057	OK
19 - 20	0.004	0.014	0.245	0.253	OK
20 - 21	0.003	0.007	0.245	0.250	OK
21 - 22	0.003	0.008	0.159	0.162	OK
22 - 23	0.014	0.004	0.133	0.145	OK
23 - 24	0.021	0.017	0.468	0.489	OK
24 - 25	0.000	0.003	0.468	0.467	OK
Bottom Chord					
26 - 27	0.000	0.000	0.211	0.211	OK
27 - 28	0.057	0.036	0.211	0.268	OK
28 - 29	0.039	0.032	0.127	0.166	OK
29 - 30	0.043	0.031	0.114	0.157	OK
30 - 31	0.027	0.028	0.114	0.150	OK
31 - 32	0.032	0.029	0.098	0.123	OK
32 - 33	0.025	0.031	0.093	0.114	OK
33 - 34	0.031	0.027	0.080	0.091	OK
34 - 35	0.024	0.027	0.080	0.103	OK
35 - 36	0.030	0.024	0.080	0.102	OK
36 - 37	0.022	0.024	0.081	0.094	OK
37 - 38	0.028	0.023	0.081	0.096	OK
38 - 39	0.020	0.023	0.096	0.104	OK
39 - 40	0.024	0.022	0.096	0.107	OK
40 - 41	0.017	0.024	0.087	0.099	OK
41 - 42	0.022	0.023	0.077	0.084	OK
42 - 43	0.020	0.023	0.091	0.109	OK
43 - 44	0.018	0.018	0.091	0.107	OK
44 - 45	0.014	0.018	0.165	0.176	OK
45 - 46	0.009	0.010	0.485	0.479	OK
46 - 47	0.000	0.000	0.436	0.510	OK
Webs					
26 - 1	0.006	0.005	0.000	0.006	OK
47 - 24	0.092	0.060	0.000	0.092	OK
27 - 2	0.038	0.011	0.000	0.038	OK
3 - 28	0.046	0.025	0.000	0.046	OK
29 - 4	0.059	0.008	0.000	0.059	OK
5 - 30	0.074	0.026	0.000	0.074	OK
31 - 48	0.024	0.000	0.001	0.024	OK
48 - 6	0.024	0.000	0.001	0.024	OK
48 - 49	0.000	0.000	0.000	0.000	OK
8 - 49	0.031	0.014	0.001	0.031	OK
49 - 32	0.030	0.014	0.001	0.031	OK
33 - 50	0.028	0.017	0.000	0.028	OK
50 - 9	0.028	0.017	0.000	0.028	OK
50 - 51	0.000	0.000	0.000	0.000	OK
10 - 51	0.012	0.007	0.000	0.012	OK
51 - 34	0.012	0.007	0.000	0.012	OK
35 - 52	0.018	0.011	0.000	0.018	OK
52 - 11	0.018	0.011	0.000	0.018	OK
52 - 53	0.000	0.000	0.000	0.000	OK
12 - 53	0.012	0.009	0.000	0.012	OK
53 - 36	0.012	0.009	0.000	0.012	OK
37 - 54	0.017	0.008	0.000	0.017	OK
54 - 13	0.009	0.008	0.000	0.009	OK
54 - 55	0.000	0.000	0.000	0.000	OK
14 - 55	0.014	0.010	0.000	0.014	OK
55 - 38	0.027	0.010	0.000	0.027	OK
39 - 56	0.014	0.007	0.000	0.014	OK
56 - 15	0.014	0.007	0.000	0.014	OK
56 - 57	0.000	0.000	0.000	0.000	OK
16 - 57	0.023	0.013	0.000	0.023	OK
57 - 40	0.023	0.013	0.000	0.023	OK
41 - 58	0.024	0.011	0.001	0.025	OK
58 - 17	0.025	0.011	0.001	0.025	OK
58 - 59	0.000	0.000	0.000	0.000	OK
19 - 59	0.020	0.000	0.001	0.020	OK
59 - 42	0.020	0.000	0.001	0.021	OK
43 - 20	0.069	0.022	0.000	0.069	OK
21 - 44	0.027	0.002	0.000	0.027	OK
45 - 22	0.035	0.025	0.000	0.035	OK
23 - 46	0.076	0.041	0.000	0.076	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T12A

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 7" 1/8
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	2
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	17' 8"
Height (Arch)	6' 8" 11/16
Loaded Width (Arch)	1' 7" 1/8
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	17' 7" 3/16
Steel (Arch)	85' 15/16
Weight (lb)	96.57
Max. Deflection Up (in)	0.003 (Node: 3 - SLS-007)
Max. Deflection Down (in)	-0.003 (Node: 7 - SLS-007)
Max CR - Top Chord	0.391
Max CR - Bottom Chord	0.222
Status	Pass

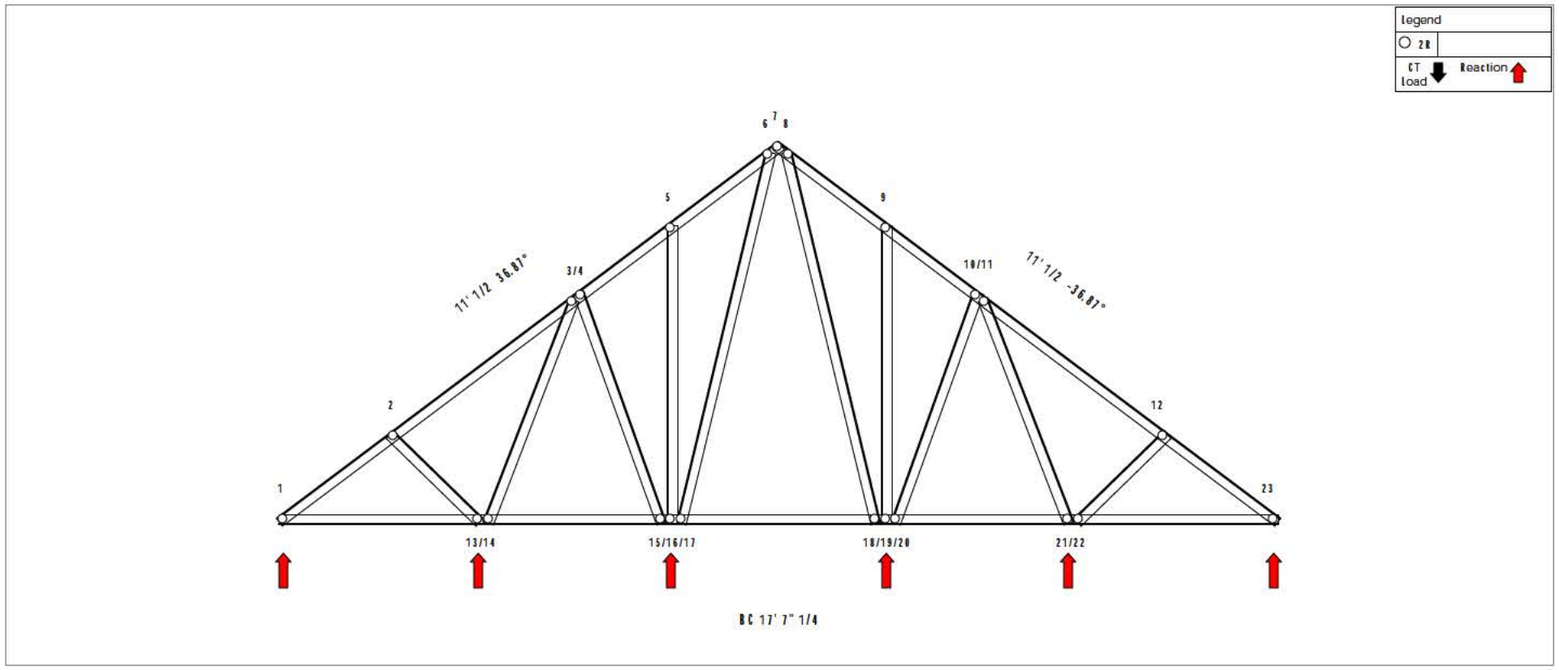
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	22	-0.002	1.744	0.001	SLS-003
Live	22	-0.001	1.163	0.001	SLS-002
Wind	15	0.001	1.163	0.001	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	23	-0.019	1.744	0.011	SLS-003
Live	23	-0.003	1.163	0.002	SLS-002
Wind	15	0.006	1.163	0.005	SLS-007

Truss T12A



Reactions (lb)

Reaction @ Node 23		Reaction @ Node 21		Reaction @ Node 19		Reaction @ Node 16		Reaction @ Node 13		Reaction @ Node 1	
Max. Uli	176.241 (ULS-032)	Max. Uli	574.353 (ULS-035)	Max. Uli	441.106 (ULS-035)	Max. Uli	653.765 (ULS-034)	Max. Uli	501.722 (ULS-034)	Max. Uli	280.785 (ULS-033)
Min. Uli	-23.304 (ULS-059)	Min. Uli	-345.472 (ULS-054)	Min. Uli	-228.573 (ULS-056)	Min. Uli	-415.522 (ULS-057)	Min. Uli	-233.505 (ULS-054)	Min. Uli	-142.840 (ULS-058)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.111, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
2	(2.654, 1.440)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-009)	28
3	(5.204, 3.803)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.003 (SLS-007)	28
4	(5.353, 3.915)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
5	(6.945, 5.109)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
6	(8.660, 6.395)	-0.001 (SLS-003)	-0.001 (SLS-002)	-0.001 (SLS-009)	28
7	(8.832, 6.524)	0.000 (SLS-003)	0.000 (SLS-002)	-0.003 (SLS-007)	28
8	(8.995, 6.395)	-0.002 (SLS-003)	-0.001 (SLS-002)	-0.001 (SLS-010)	28
9	(10.720, 5.109)	-0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
10	(12.312, 3.915)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-010)	28
11	(12.461, 3.803)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	28
12	(15.011, 1.440)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.000 (SLS-007)	28
13	(3.546, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
14	(3.727, -0.817)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	28
15	(6.767, -0.817)	0.000 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
16	(6.945, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
17	(7.120, -0.817)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
18	(10.545, -0.817)	-0.001 (SLS-003)	0.000 (SLS-002)	-0.001 (SLS-007)	28
19	(10.720, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
20	(10.898, -0.817)	0.001 (SLS-003)	0.000 (SLS-002)	0.001 (SLS-007)	28
21	(13.938, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28
22	(14.119, -0.817)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-009)	28
23	(17.554, -0.817)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	28

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.059	0.026	0.411	0.386	OK
2 - 3	0.068	0.034	0.411	0.382	OK
3 - 4	0.035	0.021	0.297	0.298	OK
4 - 5	0.036	0.020	0.331	0.314	OK
5 - 6	0.028	0.017	0.132	0.127	OK
6 - 7	0.009	0.009	0.050	0.055	OK
7 - 8	0.008	0.007	0.069	0.074	OK
8 - 9	0.010	0.011	0.146	0.154	OK
9 - 10	0.010	0.004	0.319	0.318	OK
10 - 11	0.011	0.004	0.286	0.286	OK
11 - 12	0.043	0.021	0.404	0.388	OK
12 - 23	0.038	0.012	0.404	0.391	OK
Bottom Chord					
1 - 13	0.053	0.036	0.138	0.167	OK
13 - 14	0.032	0.026	0.138	0.157	OK
14 - 15	0.039	0.029	0.113	0.134	OK
15 - 16	0.029	0.027	0.208	0.222	OK
16 - 17	0.029	0.027	0.208	0.222	OK
17 - 18	0.041	0.030	0.090	0.107	OK
18 - 19	0.033	0.029	0.099	0.126	OK
19 - 20	0.033	0.029	0.118	0.143	OK
20 - 21	0.034	0.026	0.171	0.205	OK
21 - 22	0.039	0.031	0.171	0.210	OK
22 - 23	0.020	0.019	0.110	0.128	OK
Webs					
2 - 13	0.041	0.019	0.000	0.041	OK
14 - 3	0.040	0.019	0.000	0.040	OK
4 - 15	0.033	0.013	0.000	0.033	OK
5 - 16	0.045	0.012	0.000	0.045	OK
17 - 6	0.079	0.012	0.000	0.079	OK
8 - 18	0.029	0.001	0.000	0.029	OK
9 - 19	0.050	0.013	0.000	0.050	OK
20 - 10	0.026	0.010	0.000	0.026	OK
11 - 21	0.053	0.039	0.000	0.053	OK
22 - 12	0.041	0.018	0.000	0.041	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Truss T13

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	1' 4"
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	HZ_1.5-18Ga-50Ksi
Width (Arch)	32' 6" 7/16
Height (Arch)	13' 8" 3/4
Loaded Width (Arch)	1' 4"
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	30' 10" 15/16
Steel (Arch)	166' 1" 11/16
Weight (lb)	256.16
Max. Deflection Up (in)	0.330 (Node: 46 - SLS-010)
Max. Deflection Down (in)	-0.787 (Node: 80 - SLS-003)
Max CR - Top Chord	0.998
Max CR - Bottom Chord	0.870
Status	Pass

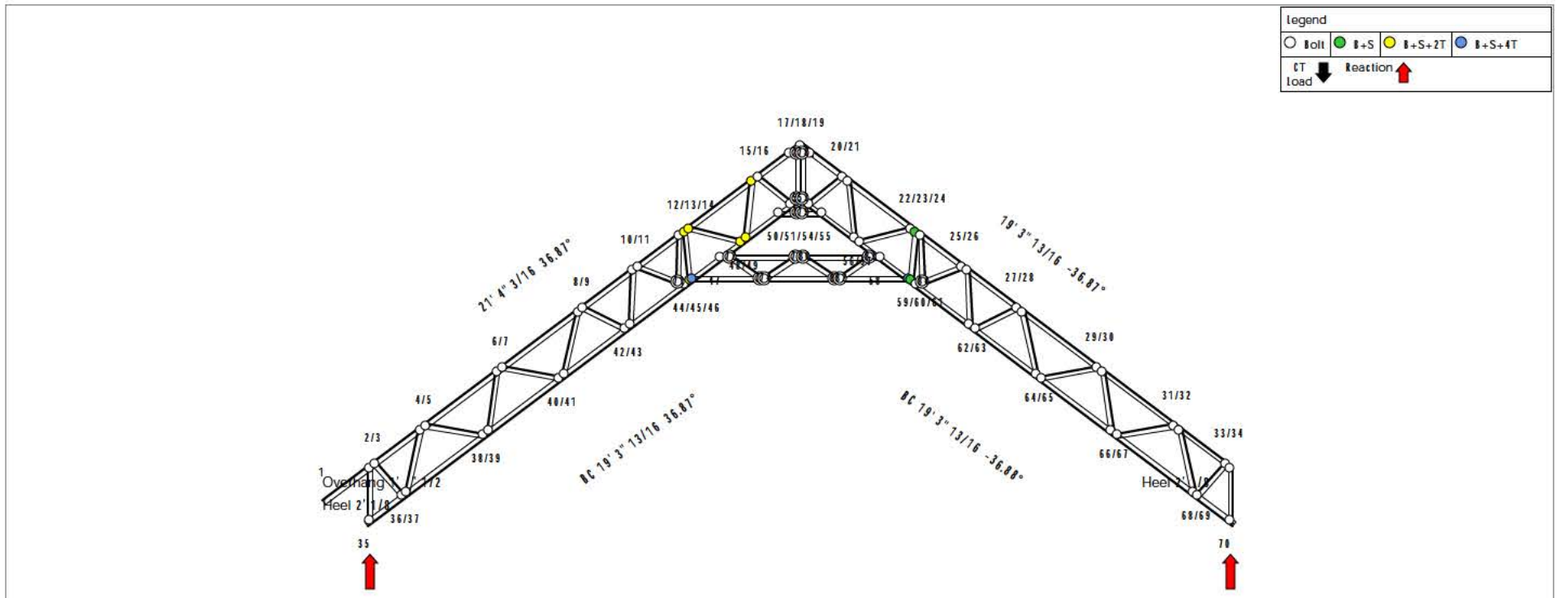
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	68	-0.769	1.525	0.505	SLS-003
Live	57	-0.342	1.017	0.337	SLS-002
Wind	46	0.330	1.017	0.324	SLS-010

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	46	1.001	1.525	0.656	SLS-003
Live	46	0.445	1.017	0.437	SLS-002
Wind	45	-0.437	1.017	0.430	SLS-010

Truss T13



Reactions (lb)

Reaction @ Node 70	
Max. Ult	1322.968 (ULS-011)
Min. Ult	-529.757 (ULS-054)

Reaction @ Node 35	
Max. Ult	1503.367 (ULS-010)
Min. Ult	-668.063 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.000, -0.000)	0.158 (SLS-003)	0.063 (SLS-002)	-0.036 (SLS-010)	
2	(1.318, 1.142)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-010)	Bolt
3	(1.886, 1.274)	-0.022 (SLS-003)	-0.009 (SLS-002)	0.009 (SLS-010)	Bolt
4	(3.516, 2.497)	-0.169 (SLS-003)	-0.074 (SLS-002)	0.081 (SLS-010)	Bolt
5	(3.772, 2.647)	-0.189 (SLS-003)	-0.084 (SLS-002)	0.092 (SLS-010)	Bolt
6	(5.266, 4.550)	-0.401 (SLS-003)	-0.178 (SLS-002)	0.193 (SLS-010)	Bolt
7	(5.468, 4.711)	-0.429 (SLS-003)	-0.190 (SLS-002)	0.201 (SLS-010)	Bolt
8	(6.146, 6.719)	-0.537 (SLS-003)	-0.265 (SLS-002)	0.278 (SLS-010)	Bolt
9	(6.316, 6.846)	-0.567 (SLS-003)	-0.278 (SLS-002)	0.291 (SLS-010)	Bolt
10	(11.111, 8.193)	-0.692 (SLS-003)	-0.308 (SLS-002)	0.313 (SLS-010)	Bolt
11	(11.298, 8.327)	-0.701 (SLS-003)	-0.311 (SLS-002)	0.316 (SLS-010)	Bolt
12	(12.278, 9.437)	-0.745 (SLS-003)	-0.331 (SLS-002)	0.329 (SLS-010)	Bolt
13	(12.965, 9.573)	-0.746 (SLS-003)	-0.332 (SLS-002)	0.327 (SLS-010)	B+S+2T
14	(13.176, 9.697)	-0.746 (SLS-003)	-0.332 (SLS-002)	0.326 (SLS-010)	B+S+2T
15	(15.369, 11.306)	-0.762 (SLS-003)	-0.339 (SLS-002)	0.318 (SLS-010)	B+S+2T
16	(15.572, 11.538)	-0.757 (SLS-003)	-0.336 (SLS-002)	0.314 (SLS-010)	Bolt
17	(16.713, 12.394)	-0.751 (SLS-003)	-0.334 (SLS-002)	0.302 (SLS-010)	Bolt
18	(17.008, 12.669)	-0.751 (SLS-003)	-0.334 (SLS-002)	0.298 (SLS-010)	Bolt
19	(17.645, 12.394)	-0.751 (SLS-003)	-0.334 (SLS-002)	0.295 (SLS-010)	Bolt
20	(18.588, 11.538)	-0.757 (SLS-003)	-0.337 (SLS-002)	0.288 (SLS-010)	Bolt
21	(18.791, 11.306)	-0.763 (SLS-003)	-0.339 (SLS-002)	0.287 (SLS-010)	Bolt
22	(21.044, 9.697)	-0.748 (SLS-003)	-0.333 (SLS-002)	0.278 (SLS-007)	Bolt
23	(21.249, 9.573)	-0.748 (SLS-003)	-0.333 (SLS-002)	0.278 (SLS-007)	B+S
24	(21.398, 9.437)	-0.747 (SLS-003)	-0.332 (SLS-002)	0.278 (SLS-007)	Bolt
25	(22.878, 8.327)	-0.703 (SLS-003)	-0.313 (SLS-002)	0.263 (SLS-007)	Bolt
26	(23.065, 8.193)	-0.695 (SLS-003)	-0.309 (SLS-002)	0.261 (SLS-007)	Bolt
27	(24.844, 6.846)	-0.618 (SLS-003)	-0.277 (SLS-002)	0.231 (SLS-007)	Bolt
28	(25.014, 6.719)	-0.608 (SLS-003)	-0.267 (SLS-002)	0.228 (SLS-007)	Bolt
29	(27.691, 4.711)	-0.423 (SLS-003)	-0.188 (SLS-002)	0.163 (SLS-007)	Bolt
30	(27.894, 4.550)	-0.404 (SLS-003)	-0.180 (SLS-002)	0.156 (SLS-007)	Bolt
31	(28.443, 2.647)	-0.192 (SLS-003)	-0.085 (SLS-002)	0.075 (SLS-007)	Bolt
32	(28.644, 2.497)	-0.172 (SLS-003)	-0.076 (SLS-002)	0.068 (SLS-007)	Bolt
33	(32.276, 1.274)	-0.024 (SLS-003)	-0.011 (SLS-002)	0.010 (SLS-007)	Bolt
34	(32.458, 1.142)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	Bolt
35	(1.318, -0.112)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
36	(2.078, 0.164)	-0.197 (SLS-003)	-0.047 (SLS-002)	0.051 (SLS-010)	Bolt

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
37	(3.021, 1.211)	-0.172 (SLS-003)	-0.054 (SLS-002)	0.058 (SLS-010)	Bolt
38	(3.243, 2.313)	-0.354 (SLS-003)	-0.157 (SLS-002)	0.178 (SLS-010)	Bolt
39	(3.564, 2.419)	-0.376 (SLS-003)	-0.167 (SLS-002)	0.181 (SLS-010)	Bolt
40	(4.668, 4.358)	-0.554 (SLS-003)	-0.246 (SLS-002)	0.259 (SLS-010)	Bolt
41	(4.449, 4.492)	-0.547 (SLS-003)	-0.257 (SLS-002)	0.265 (SLS-010)	Bolt
42	(11.815, 6.716)	-0.678 (SLS-003)	-0.301 (SLS-002)	0.308 (SLS-010)	Bolt
43	(11.824, 6.724)	-0.688 (SLS-003)	-0.306 (SLS-002)	0.312 (SLS-010)	Bolt
44	(12.342, 7.112)	-0.748 (SLS-003)	-0.332 (SLS-002)	0.329 (SLS-010)	B+S+2T
45	(13.131, 7.054)	-0.753 (SLS-003)	-0.335 (SLS-002)	0.329 (SLS-010)	B+S+2T
46	(13.218, 7.919)	-0.755 (SLS-003)	-0.336 (SLS-002)	0.330 (SLS-010)	B+S+4T
47	(14.212, 8.665)	-0.768 (SLS-003)	-0.341 (SLS-002)	0.327 (SLS-010)	Bolt
48	(14.948, 9.211)	-0.768 (SLS-003)	-0.342 (SLS-002)	0.324 (SLS-010)	B+S+2T
49	(15.151, 9.369)	-0.765 (SLS-003)	-0.340 (SLS-002)	0.321 (SLS-010)	B+S+2T
50	(16.315, 10.242)	-0.760 (SLS-003)	-0.338 (SLS-002)	0.313 (SLS-010)	Bolt
51	(16.763, 10.577)	-0.761 (SLS-003)	-0.338 (SLS-002)	0.309 (SLS-010)	Bolt
52	(16.993, 10.750)	-0.758 (SLS-003)	-0.337 (SLS-002)	0.302 (SLS-010)	Bolt
53	(17.167, 10.752)	-0.758 (SLS-003)	-0.337 (SLS-002)	0.300 (SLS-010)	Bolt
54	(17.399, 10.578)	-0.762 (SLS-003)	-0.339 (SLS-002)	0.298 (SLS-010)	Bolt
55	(17.848, 10.242)	-0.761 (SLS-003)	-0.338 (SLS-002)	0.292 (SLS-010)	Bolt
56	(18.808, 9.371)	-0.765 (SLS-003)	-0.340 (SLS-002)	0.287 (SLS-010)	Bolt
57	(19.212, 9.218)	-0.769 (SLS-003)	-0.342 (SLS-002)	0.287 (SLS-010)	Bolt
58	(19.956, 8.665)	-0.769 (SLS-003)	-0.342 (SLS-002)	0.284 (SLS-010)	Bolt
59	(20.944, 7.919)	-0.757 (SLS-003)	-0.337 (SLS-002)	0.281 (SLS-007)	B+S+4T
60	(21.029, 7.855)	-0.755 (SLS-003)	-0.336 (SLS-002)	0.280 (SLS-007)	B+S
61	(21.228, 7.712)	-0.749 (SLS-003)	-0.333 (SLS-002)	0.279 (SLS-007)	Bolt
62	(23.136, 6.293)	-0.698 (SLS-003)	-0.311 (SLS-002)	0.259 (SLS-007)	Bolt
63	(23.346, 6.117)	-0.688 (SLS-003)	-0.307 (SLS-002)	0.256 (SLS-007)	Bolt
64	(25.511, 4.483)	-0.578 (SLS-003)	-0.253 (SLS-002)	0.211 (SLS-007)	Bolt
65	(25.701, 4.351)	-0.556 (SLS-003)	-0.248 (SLS-002)	0.213 (SLS-007)	Bolt
66	(28.195, 2.479)	-0.379 (SLS-003)	-0.169 (SLS-002)	0.147 (SLS-007)	Bolt
67	(28.417, 2.313)	-0.357 (SLS-003)	-0.159 (SLS-002)	0.138 (SLS-007)	Bolt
68	(31.139, 0.371)	-0.125 (SLS-003)	-0.056 (SLS-002)	0.049 (SLS-007)	Bolt
69	(31.282, 0.164)	-0.119 (SLS-003)	-0.054 (SLS-002)	0.043 (SLS-007)	Bolt
70	(32.458, -0.212)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
71	(12.716, 7.396)	-0.743 (SLS-003)	-0.330 (SLS-002)	0.329 (SLS-010)	Bolt
72	(14.595, 8.665)	-0.772 (SLS-003)	-0.343 (SLS-002)	0.325 (SLS-010)	Bolt

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
73	(15.656, 7.919)	-0.760 (SLS-003)	-0.347 (SLS-002)	0.321 (SLS-010)	Bolt
74	(15.824, 7.919)	-0.761 (SLS-003)	-0.347 (SLS-002)	0.320 (SLS-010)	Bolt
75	(16.644, 8.665)	-0.787 (SLS-003)	-0.358 (SLS-002)	0.315 (SLS-010)	Bolt
76	(16.993, 12.394)	-0.756 (SLS-003)	-0.336 (SLS-002)	0.301 (SLS-010)	Bolt
77	(16.993, 10.242)	-0.758 (SLS-003)	-0.337 (SLS-002)	0.302 (SLS-010)	Bolt
78	(17.167, 12.394)	-0.756 (SLS-003)	-0.336 (SLS-002)	0.300 (SLS-010)	Bolt
79	(17.167, 10.242)	-0.758 (SLS-003)	-0.337 (SLS-002)	0.300 (SLS-010)	Bolt
80	(17.216, 8.665)	-0.787 (SLS-003)	-0.358 (SLS-002)	0.313 (SLS-010)	Bolt
81	(18.336, 7.919)	-0.782 (SLS-003)	-0.347 (SLS-002)	0.302 (SLS-010)	Bolt
82	(18.504, 7.919)	-0.781 (SLS-003)	-0.347 (SLS-002)	0.300 (SLS-010)	Bolt
83	(19.565, 8.665)	-0.773 (SLS-003)	-0.344 (SLS-002)	0.289 (SLS-010)	Bolt
84	(21.444, 7.396)	-0.745 (SLS-003)	-0.331 (SLS-002)	0.277 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.005	0.400	0.397	OK
2 - 3	0.099	0.045	0.364	0.479	OK
3 - 4	0.131	0.050	0.336	0.457	OK
4 - 5	0.245	0.099	0.306	0.551	OK
5 - 6	0.411	0.132	0.290	0.691	OK
6 - 7	0.434	0.169	0.264	0.698	OK
7 - 8	0.605	0.188	0.172	0.775	OK
8 - 9	0.579	0.211	0.129	0.707	OK
9 - 10	0.731	0.215	0.110	0.838	OK
10 - 11	0.646	0.222	0.092	0.738	OK
11 - 12	0.795	0.219	0.209	0.996	OK
12 - 13	0.680	0.223	0.318	0.998	OK
13 - 14	0.565	0.186	0.336	0.890	OK
14 - 15	0.504	0.130	0.369	0.861	OK
15 - 16	0.264	0.073	0.409	0.664	OK
16 - 17	0.262	0.055	0.450	0.702	OK
17 - 18	0.010	0.004	0.083	0.090	OK
18 - 19	0.013	0.005	0.050	0.056	OK
19 - 20	0.257	0.047	0.330	0.587	OK
20 - 21	0.250	0.054	0.301	0.550	OK
21 - 22	0.456	0.079	0.300	0.748	OK
22 - 23	0.499	0.108	0.311	0.810	OK
23 - 24	0.602	0.124	0.311	0.913	OK
24 - 25	0.697	0.124	0.168	0.860	OK
25 - 26	0.553	0.133	0.162	0.681	OK
26 - 27	0.608	0.137	0.197	0.763	OK
27 - 28	0.472	0.139	0.197	0.626	OK
28 - 29	0.401	0.129	0.189	0.653	OK
29 - 30	0.335	0.120	0.200	0.522	OK
30 - 31	0.315	0.097	0.220	0.524	OK
31 - 32	0.191	0.075	0.287	0.478	OK
32 - 33	0.094	0.030	0.387	0.481	OK
33 - 34	0.070	0.026	0.387	0.458	OK
Bottom Chord					
35 - 36	0.164	0.109	0.196	0.299	OK
36 - 37	0.120	0.119	0.207	0.376	OK
37 - 38	0.383	0.247	0.254	0.460	OK
38 - 39	0.207	0.334	0.262	0.578	OK
39 - 40	0.541	0.424	0.304	0.669	OK
40 - 41	0.263	0.486	0.175	0.641	OK
41 - 42	0.633	0.559	0.201	0.713	OK
42 - 43	0.290	0.583	0.173	0.733	OK
43 - 44	0.652	0.621	0.193	0.769	OK
44 - 45	0.295	0.651	0.064	0.685	OK
45 - 46	0.253	0.548	0.344	0.870	OK
46 - 47	0.206	0.305	0.378	0.625	OK
47 - 48	0.212	0.364	0.543	0.824	OK
48 - 49	0.124	0.228	0.494	0.689	OK
49 - 50	0.085	0.090	0.243	0.332	OK
50 - 51	0.085	0.143	0.730	0.768	OK
51 - 52	0.060	0.137	0.664	0.738	OK
53 - 54	0.016	0.083	0.467	0.519	OK
54 - 55	0.029	0.089	0.513	0.525	OK
55 - 56	0.005	0.046	0.209	0.245	OK
56 - 57	0.031	0.140	0.409	0.532	OK
57 - 58	0.075	0.257	0.449	0.642	OK
58 - 59	0.063	0.207	0.351	0.507	OK
59 - 60	0.074	0.443	0.320	0.744	OK
60 - 61	0.092	0.536	0.154	0.632	OK
61 - 62	0.230	0.486	0.239	0.666	OK
62 - 63	0.110	0.436	0.200	0.618	OK
63 - 64	0.251	0.405	0.199	0.562	OK
64 - 65	0.104	0.330	0.168	0.488	OK
65 - 66	0.216	0.268	0.240	0.457	OK
66 - 67	0.073	0.193	0.203	0.388	OK
67 - 68	0.117	0.123	0.216	0.315	OK
68 - 69	0.004	0.013	0.173	0.311	OK
69 - 70	0.002	0.004	0.158	0.163	OK
Webs					
35 - 2	0.293	0.099	0.000	0.293	OK
70 - 34	0.201	0.058	0.000	0.201	OK
3 - 36	0.061	0.157	0.000	0.157	OK
37 - 4	0.441	0.087	0.000	0.441	OK
5 - 38	0.099	0.175	0.000	0.175	OK
39 - 6	0.285	0.069	0.000	0.285	OK
7 - 40	0.054	0.129	0.000	0.129	OK
41 - 8	0.257	0.041	0.000	0.257	OK
9 - 42	0.012	0.079	0.000	0.079	OK
43 - 10	0.125	0.013	0.000	0.125	OK
11 - 71	0.000	0.047	0.154	0.166	OK
71 - 12	0.057	0.000	0.000	0.057	OK
71 - 44	0.000	0.036	0.140	0.162	OK
13 - 45	0.127	0.272	0.000	0.272	OK
14 - 48	0.421	0.124	0.000	0.421	OK
47 - 72	0.085	0.045	0.039	0.124	OK
46 - 73	0.302	0.312	0.047	0.351	OK
72 - 73	0.018	0.014	0.000	0.018	OK
49 - 15	0.176	0.275	0.000	0.275	OK
73 - 74	0.105	0.305	0.041	0.344	OK
72 - 75	0.185	0.024	0.070	0.252	OK
16 - 51	0.268	0.103	0.000	0.268	OK

Disclaimer

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1. the design matches the building plans and complies with all applicable building codes, standards and statutory requirements; and
2. data relating to the design input in the Engineering Software and data that appears in the engineering reports exactly matches that of the Design.

To the maximum extent permitted by law, where any issue arises as a consequence of or in connection with anything that is the designer's responsibility, Scottsdale disclaims any and all liability relating to the issue and the designer fully releases Scottsdale from any claims made in connection with the issue.

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
74 - 75	0.016	0.017	0.000	0.017	OK
50 - 77	0.089	0.028	0.099	0.188	OK
17 - 76	0.152	0.040	0.744	0.896	OK
52 - 76	0.111	0.199	0.119	0.263	OK
77 - 52	0.006	0.014	0.119	0.123	OK
74 - 81	0.266	0.299	0.053	0.339	OK
76 - 78	0.149	0.037	0.744	0.893	OK
75 - 80	0.069	0.018	0.070	0.135	OK
77 - 79	0.077	0.029	0.123	0.192	OK
78 - 53	0.044	0.146	0.090	0.147	OK
53 - 79	0.014	0.024	0.090	0.102	OK
78 - 19	0.149	0.034	0.698	0.848	OK
79 - 55	0.079	0.028	0.123	0.194	OK
80 - 81	0.013	0.014	0.000	0.014	OK
54 - 20	0.204	0.054	0.000	0.204	OK
80 - 83	0.163	0.019	0.053	0.216	OK
81 - 82	0.087	0.297	0.048	0.337	OK
21 - 56	0.078	0.223	0.000	0.223	OK
82 - 83	0.013	0.009	0.000	0.013	OK
82 - 59	0.210	0.296	0.043	0.332	OK
83 - 58	0.067	0.027	0.035	0.080	OK
57 - 22	0.340	0.068	0.000	0.340	OK
60 - 23	0.056	0.246	0.000	0.246	OK
61 - 84	0.038	0.079	0.174	0.218	OK
24 - 84	0.071	0.024	0.000	0.071	OK
84 - 25	0.061	0.096	0.191	0.232	OK
26 - 62	0.161	0.049	0.000	0.161	OK
63 - 27	0.045	0.097	0.000	0.097	OK
28 - 64	0.246	0.031	0.000	0.246	OK
65 - 29	0.033	0.122	0.000	0.122	OK
30 - 66	0.229	0.044	0.000	0.229	OK
67 - 31	0.063	0.142	0.000	0.142	OK
32 - 68	0.361	0.080	0.000	0.361	OK
69 - 33	0.056	0.129	0.000	0.129	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project file	

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	30' 6" 3/8
Height (Arch)	2' 11" 15/16
Loaded Width (Arch)	0
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	30' 6" 3/8
Steel (Arch)	204' 5" 7/8
Weight (lb)	232.10
Max. Deflection Up (in)	0.010 (Node: 49 - SLS-007)
Max. Deflection Down (in)	-0.019 (Node: 49 - SLS-003)
Max CR - Top Chord	0.780
Max CR - Bottom Chord	0.667
Status	Pass

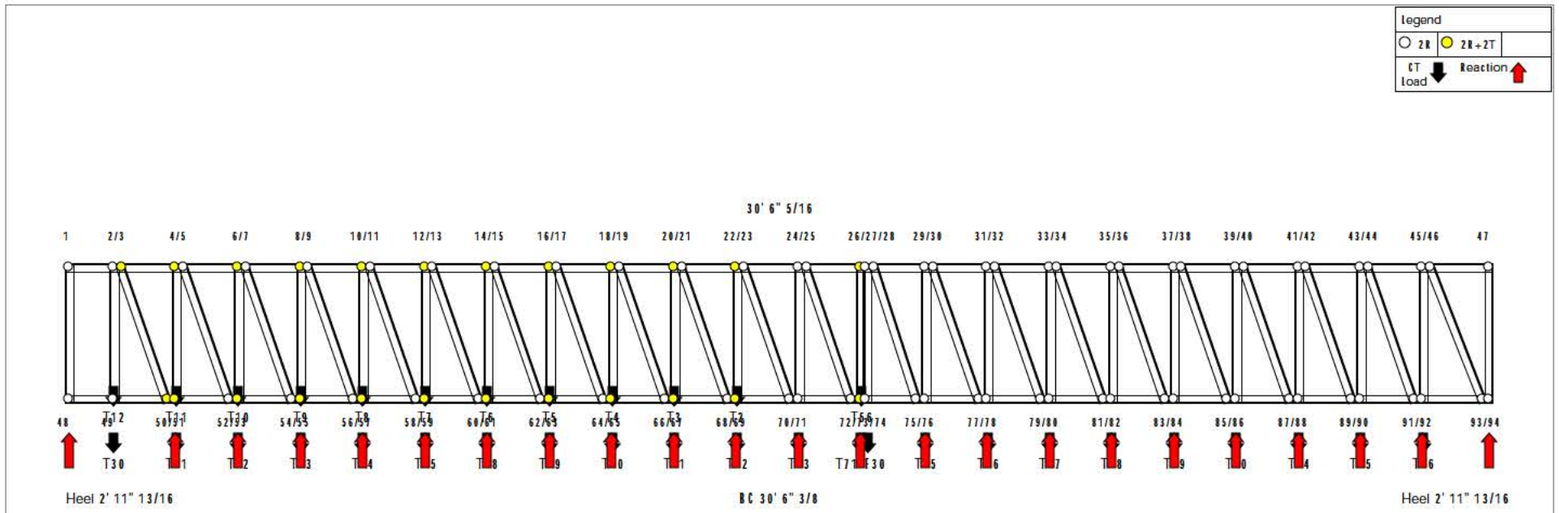
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	49	-0.019	0.118	0.160	SLS-003
Live	49	-0.009	0.078	0.109	SLS-002
Wind	49	0.010	0.078	0.133	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	48	-0.020	0.118	0.170	SLS-003
Live	48	-0.009	0.078	0.116	SLS-002
Wind	48	0.011	0.078	0.142	SLS-007

Truss T15



Reactions and Loads (lb)

Reaction @ Node 94	
Max. Ult	21.656 (ULS-054)
Min. Ult	-51.100 (ULS-011)

Reaction @ Node 92	
Max. Ult	375.293 (ULS-007)
Min. Ult	-423.486 (ULS-054)

Reaction @ Node 90	
Max. Ult	345.429 (ULS-007)
Min. Ult	-387.467 (ULS-054)

Reaction @ Node 88	
Max. Ult	341.652 (ULS-007)
Min. Ult	-386.216 (ULS-054)

Reaction @ Node 86	
Max. Ult	339.574 (ULS-007)
Min. Ult	-385.305 (ULS-054)

Reaction @ Node 84	
Max. Ult	337.721 (ULS-007)
Min. Ult	-384.476 (ULS-054)

Reaction @ Node 82	
Max. Ult	332.290 (ULS-007)
Min. Ult	-382.136 (ULS-054)

Reaction @ Node 80	
Max. Ult	338.010 (ULS-007)
Min. Ult	-384.479 (ULS-054)

Reaction @ Node 78	
Max. Ult	306.471 (ULS-007)
Min. Ult	-371.111 (ULS-054)

Reaction @ Node 76	
Max. Ult	567.187 (ULS-007)
Min. Ult	-486.029 (ULS-054)

Reaction @ Node 73	
Max. Ult	3200.827 (ULS-011)
Min. Ult	-1562.059 (ULS-054)

Reaction @ Node 71	
Max. Ult	238.269 (ULS-031)
Min. Ult	-335.071 (ULS-054)

Reaction @ Node 69	
Max. Ult	1692.919 (ULS-007)
Min. Ult	-950.167 (ULS-054)

Reaction @ Node 67	
Max. Ult	1577.389 (ULS-007)
Min. Ult	-901.536 (ULS-054)

Reaction @ Node 65	
Max. Ult	1594.325 (ULS-007)
Min. Ult	-908.390 (ULS-054)

Reaction @ Node 63	
Max. Ult	1592.544 (ULS-007)
Min. Ult	-907.364 (ULS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.854, -0.000)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
2	(1.009, -0.000)	-0.018 (SLS-003)	-0.008 (SLS-002)	0.010 (SLS-007)	2R
3	(1.182, -0.000)	-0.015 (SLS-003)	-0.007 (SLS-002)	0.008 (SLS-007)	2R+2T
4	(2.343, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
5	(2.521, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
6	(3.676, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
7	(3.853, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
8	(5.009, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
9	(5.187, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
10	(6.342, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
11	(6.521, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
12	(7.676, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
13	(7.853, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
14	(9.010, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
15	(9.187, -0.000)	-0.004 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
16	(10.343, -0.000)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
17	(10.521, -0.000)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R
18	(11.676, -0.000)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
19	(11.854, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.002 (SLS-007)	2R
20	(13.010, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R+2T
21	(13.187, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
22	(14.343, -0.000)	-0.003 (SLS-003)	-0.002 (SLS-002)	0.002 (SLS-007)	2R+2T
23	(14.521, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
24	(15.676, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
25	(15.853, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
26	(16.989, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R+2T
27	(17.119, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
28	(17.296, -0.000)	-0.003 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
29	(18.386, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
30	(18.563, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
31	(19.716, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
32	(19.893, -0.000)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
33	(21.046, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
34	(21.224, -0.000)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
35	(22.377, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
36	(22.554, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
37	(23.707, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
38	(23.884, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
39	(25.037, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
40	(25.215, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
41	(26.368, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
42	(26.545, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
43	(27.698, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
44	(27.876, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
45	(29.029, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
46	(29.208, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
47	(30.465, -0.000)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
48	(0.854, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
49	(1.009, -2.913)	-0.019 (SLS-003)	-0.009 (SLS-002)	0.010 (SLS-007)	2R
50	(2.166, -2.913)	-0.016 (SLS-003)	-0.008 (SLS-002)	0.009 (SLS-007)	2R+2T
51	(2.343, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
52	(3.498, -2.913)	0.002 (SLS-003)	0.001 (SLS-002)	-0.001 (SLS-007)	2R
53	(3.676, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
54	(4.832, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
55	(5.009, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
56	(6.166, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
57	(6.343, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
58	(7.498, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
59	(7.676, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
60	(8.832, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
61	(9.010, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
62	(10.166, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
63	(10.343, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
64	(11.499, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
65	(11.676, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
66	(12.832, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
67	(13.010, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
68	(14.165, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
69	(14.343, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
70	(15.498, -2.913)	-0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
71	(15.676, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
72	(16.811, -2.913)	0.002 (SLS-003)	0.001 (SLS-002)	-0.001 (SLS-007)	2R

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
73	(16.989, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R+2T
74	(17.119, -2.913)	-0.002 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
75	(18.296, -2.913)	-0.001 (SLS-003)	-0.001 (SLS-002)	0.001 (SLS-007)	2R
76	(18.386, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
77	(19.538, -2.913)	0.001 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
78	(19.716, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
79	(20.869, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
80	(21.046, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
81	(22.199, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
82	(22.377, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
83	(23.530, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
84	(23.707, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
85	(24.860, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
86	(25.037, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
87	(26.190, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
88	(26.368, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
89	(27.521, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
90	(27.698, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
91	(28.851, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
92	(29.029, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R
93	(30.318, -2.913)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	2R
94	(30.465, -2.913)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	2R

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.667	0.670	OK
2 - 3	0.000	0.000	0.667	0.780	OK
3 - 4	0.032	0.032	0.143	0.120	OK
4 - 5	0.027	0.032	0.064	0.066	OK
5 - 6	0.030	0.031	0.033	0.045	OK
6 - 7	0.025	0.031	0.066	0.096	OK
7 - 8	0.026	0.027	0.066	0.092	OK
8 - 9	0.021	0.027	0.040	0.050	OK
9 - 10	0.023	0.024	0.023	0.042	OK
10 - 11	0.019	0.024	0.021	0.044	OK
11 - 12	0.020	0.022	0.020	0.042	OK
12 - 13	0.017	0.022	0.015	0.031	OK
13 - 14	0.019	0.021	0.009	0.030	OK
14 - 15	0.016	0.021	0.007	0.024	OK
15 - 16	0.018	0.021	0.005	0.024	OK
16 - 17	0.015	0.021	0.008	0.024	OK
17 - 18	0.018	0.022	0.011	0.032	OK
18 - 19	0.015	0.022	0.015	0.032	OK
19 - 20	0.018	0.023	0.017	0.040	OK
20 - 21	0.015	0.023	0.033	0.041	OK
21 - 22	0.019	0.025	0.044	0.069	OK
22 - 23	0.016	0.025	0.044	0.069	OK
23 - 24	0.019	0.025	0.058	0.058	OK
24 - 25	0.016	0.025	0.073	0.074	OK
25 - 26	0.020	0.027	0.085	0.111	OK
26 - 27	0.017	0.027	0.085	0.111	OK
27 - 28	0.017	0.027	0.042	0.069	OK
28 - 29	0.018	0.025	0.067	0.067	OK
29 - 30	0.016	0.025	0.060	0.075	OK
30 - 31	0.016	0.021	0.045	0.049	OK
31 - 32	0.013	0.021	0.049	0.070	OK
32 - 33	0.013	0.017	0.049	0.066	OK
33 - 34	0.011	0.017	0.041	0.056	OK
34 - 35	0.010	0.014	0.037	0.047	OK
35 - 36	0.008	0.014	0.033	0.046	OK
36 - 37	0.008	0.011	0.032	0.042	OK
37 - 38	0.007	0.011	0.029	0.041	OK
38 - 39	0.006	0.008	0.028	0.035	OK
39 - 40	0.005	0.008	0.026	0.036	OK
40 - 41	0.004	0.006	0.026	0.030	OK
41 - 42	0.004	0.006	0.023	0.033	OK
42 - 43	0.003	0.004	0.023	0.026	OK
43 - 44	0.002	0.004	0.022	0.031	OK
44 - 45	0.001	0.002	0.026	0.024	OK
45 - 46	0.001	0.002	0.024	0.031	OK
46 - 47	0.000	0.000	0.016	0.016	OK
Bottom Chord					
48 - 49	0.000	0.000	0.254	0.254	OK
49 - 50	0.000	0.000	0.299	0.299	OK
50 - 51	0.047	0.018	0.529	0.667	OK
51 - 52	0.056	0.018	0.529	0.584	OK
52 - 53	0.045	0.017	0.168	0.213	OK
53 - 54	0.053	0.017	0.187	0.240	OK
54 - 55	0.039	0.015	0.062	0.100	OK
55 - 56	0.046	0.015	0.028	0.074	OK
56 - 57	0.035	0.013	0.032	0.067	OK
57 - 58	0.041	0.013	0.035	0.077	OK
58 - 59	0.032	0.012	0.023	0.055	OK
59 - 60	0.038	0.012	0.017	0.055	OK
60 - 61	0.031	0.011	0.014	0.044	OK
61 - 62	0.037	0.011	0.010	0.046	OK
62 - 63	0.031	0.010	0.006	0.036	OK
63 - 64	0.036	0.010	0.004	0.040	OK
64 - 65	0.031	0.010	0.009	0.040	OK
65 - 66	0.037	0.010	0.014	0.051	OK
66 - 67	0.033	0.010	0.014	0.047	OK
67 - 68	0.039	0.010	0.015	0.055	OK
68 - 69	0.037	0.011	0.044	0.080	OK
69 - 70	0.044	0.011	0.078	0.122	OK
70 - 71	0.037	0.011	0.090	0.127	OK
71 - 72	0.043	0.011	0.263	0.306	OK
72 - 73	0.039	0.012	0.364	0.403	OK
73 - 74	0.039	0.012	0.382	0.643	OK
74 - 75	0.047	0.012	0.425	0.472	OK
75 - 76	0.037	0.011	0.087	0.123	OK
76 - 77	0.044	0.011	0.087	0.130	OK
77 - 78	0.031	0.009	0.078	0.109	OK
78 - 79	0.037	0.009	0.087	0.123	OK
79 - 80	0.025	0.007	0.050	0.075	OK
80 - 81	0.030	0.007	0.038	0.067	OK
81 - 82	0.020	0.006	0.038	0.058	OK
82 - 83	0.024	0.006	0.040	0.064	OK
83 - 84	0.016	0.005	0.033	0.049	OK
84 - 85	0.019	0.005	0.033	0.052	OK
85 - 86	0.012	0.003	0.029	0.041	OK
86 - 87	0.014	0.003	0.029	0.044	OK
87 - 88	0.009	0.003	0.025	0.036	OK
88 - 89	0.010	0.003	0.026	0.037	OK
89 - 90	0.006	0.002	0.023	0.032	OK
90 - 91	0.007	0.002	0.024	0.030	OK
91 - 92	0.003	0.001	0.023	0.032	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
92 - 93	0.003	0.001	0.029	0.032	OK
93 - 94	0.000	0.000	0.029	0.034	OK
Webs					
48 - 1	0.026	0.008	0.000	0.026	OK
94 - 47	0.000	0.000	0.000	0.000	OK
2 - 49	0.044	0.020	0.000	0.044	OK
3 - 50	0.185	0.056	0.000	0.185	OK
4 - 51	0.181	0.041	0.000	0.181	OK
5 - 52	0.006	0.004	0.000	0.006	OK
6 - 53	0.194	0.045	0.000	0.194	OK
7 - 54	0.015	0.013	0.000	0.015	OK
8 - 55	0.192	0.044	0.000	0.192	OK
9 - 56	0.010	0.008	0.000	0.010	OK
10 - 57	0.186	0.043	0.000	0.186	OK
11 - 58	0.007	0.006	0.000	0.007	OK
12 - 59	0.182	0.042	0.000	0.182	OK
13 - 60	0.005	0.003	0.000	0.005	OK
14 - 61	0.178	0.040	0.000	0.178	OK
15 - 62	0.003	0.001	0.000	0.003	OK
16 - 63	0.174	0.039	0.000	0.174	OK
17 - 64	0.003	0.000	0.000	0.003	OK
18 - 65	0.170	0.038	0.000	0.170	OK
19 - 66	0.007	0.001	0.000	0.007	OK
20 - 67	0.165	0.037	0.000	0.165	OK
21 - 68	0.014	0.002	0.000	0.014	OK
22 - 69	0.172	0.038	0.000	0.172	OK
23 - 70	0.001	0.001	0.000	0.001	OK
24 - 71	0.000	0.001	0.000	0.001	OK
25 - 72	0.010	0.002	0.000	0.010	OK
26 - 73	0.154	0.034	0.000	0.154	OK
27 - 74	0.027	0.006	0.000	0.027	OK
28 - 75	0.005	0.006	0.000	0.006	OK
29 - 76	0.022	0.005	0.000	0.022	OK
30 - 77	0.010	0.012	0.000	0.012	OK
31 - 78	0.021	0.005	0.000	0.021	OK
32 - 79	0.010	0.013	0.000	0.013	OK
33 - 80	0.019	0.004	0.000	0.019	OK
34 - 81	0.008	0.010	0.000	0.010	OK
35 - 82	0.016	0.004	0.000	0.016	OK
36 - 83	0.007	0.009	0.000	0.009	OK
37 - 84	0.014	0.003	0.000	0.014	OK
38 - 85	0.006	0.008	0.000	0.008	OK
39 - 86	0.012	0.003	0.000	0.012	OK
40 - 87	0.006	0.007	0.000	0.007	OK
41 - 88	0.011	0.003	0.000	0.011	OK
42 - 89	0.005	0.006	0.000	0.006	OK
43 - 90	0.010	0.002	0.000	0.010	OK
44 - 91	0.005	0.006	0.000	0.006	OK
45 - 92	0.010	0.002	0.000	0.010	OK
46 - 93	0.004	0.005	0.000	0.005	OK

Reactions and Loads (lb)

Reaction @ Node 61		Reaction @ Node 59		Reaction @ Node 57		Reaction @ Node 55		Reaction @ Node 53		Reaction @ Node 51		Reaction @ Node 48		CT Load T12 (Node: 70)	
Max. Ult	1591.750 (ULS-007)	Max. Ult	1593.739 (ULS-007)	Max. Ult	1588.886 (ULS-007)	Max. Ult	1614.538 (ULS-007)	Max. Ult	1582.375 (ULS-007)	Max. Ult	3656.593 (ULS-007)	Max. Ult	263.182 (ULS-007)	Max. Ult	1241.120 (ULS-011)
Min. Ult	-906.554 (ULS-054)	Min. Ult	-907.395 (ULS-054)	Min. Ult	-899.871 (ULS-054)	Min. Ult	-918.787 (ULS-054)	Min. Ult	-854.953 (ULS-054)	Min. Ult	-1744.473 (ULS-054)	Min. Ult	-149.489 (ULS-054)	Min. Ult	1241.120 (ULS-011)

CT Load T30 (Node: 16)		CT Load T11 (Node: 70)		CT Load T31 (Node: 16)		CT Load T10 (Node: 70)		CT Load T32 (Node: 16)		CT Load T33 (Node: 16)		CT Load T9 (Node: 70)		CT Load T8 (Node: 70)	
Max. Ult	325.487 (ULS-007)	Max. Ult	1325.970 (ULS-011)	Max. Ult	347.675 (ULS-007)	Max. Ult	1325.970 (ULS-011)	Max. Ult	347.675 (ULS-007)	Max. Ult	347.675 (ULS-007)	Max. Ult	1325.970 (ULS-011)	Max. Ult	1325.970 (ULS-011)
Min. Ult	325.487 (ULS-007)	Min. Ult	1325.970 (ULS-011)	Min. Ult	347.675 (ULS-007)	Min. Ult	1325.970 (ULS-011)	Min. Ult	347.675 (ULS-007)	Min. Ult	347.675 (ULS-007)	Min. Ult	1325.970 (ULS-011)	Min. Ult	1325.970 (ULS-011)

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	16' 7" 3/16
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	C3.5_1.5-18Ga-50Ksi
Width (Arch)	30' 6" 3/8
Height (Arch)	1' 6" 3/8
Loaded Width (Arch)	16' 7" 3/16
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	30' 6" 3/8
Steel (Arch)	137' 7/8
Weight (lb)	155.58
Max. Deflection Up (in)	0.004 (Node: 2 - SIS-007)
Max. Deflection Down (in)	-0.004 (Node: 10 - SIS-003)
Max CR - Top Chord	0.831
Max CR - Bottom Chord	0.597
Status	Pass

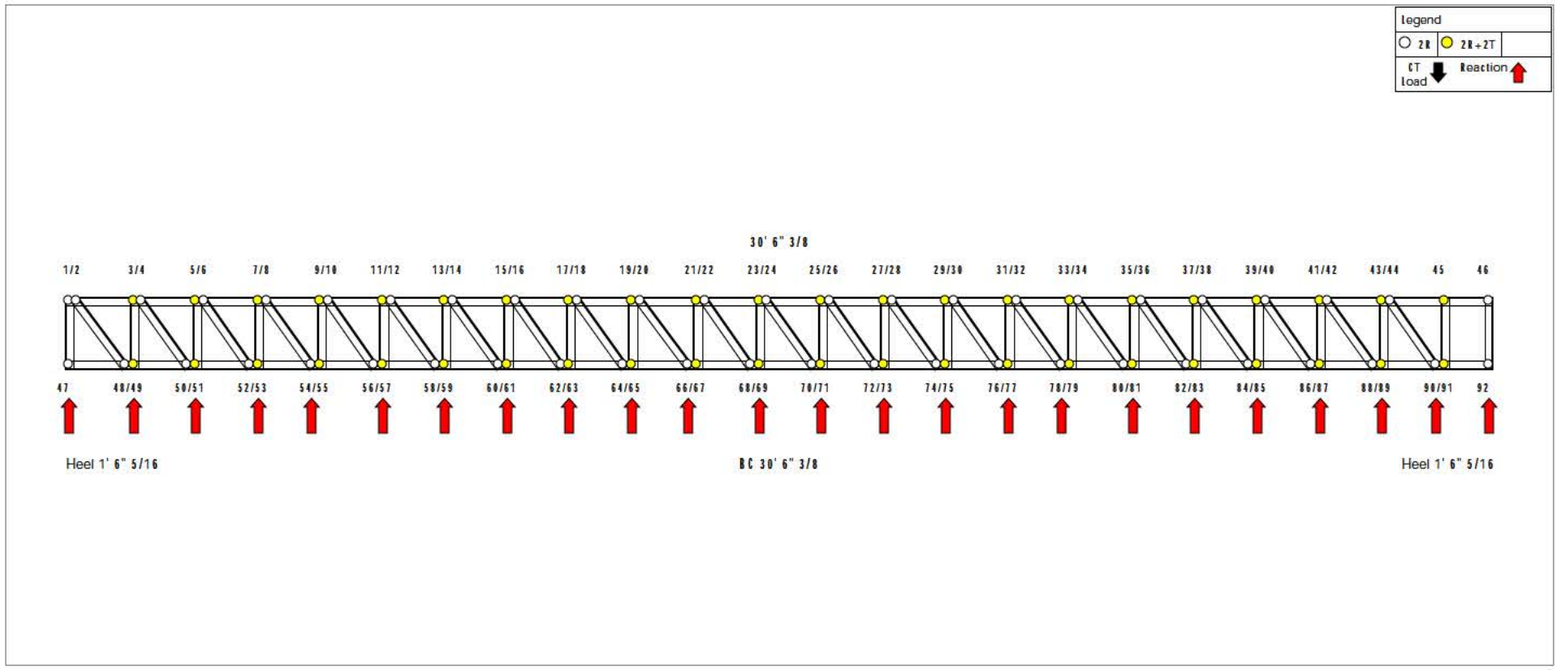
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	91	-0.003	0.060	0.043	SIS-003
Live	91	-0.001	0.040	0.036	SIS-002
Wind	91	0.002	0.040	0.059	SIS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	66	-0.007	0.076	0.095	SIS-003
Live	66	-0.003	0.051	0.064	SIS-002
Wind	54	0.005	0.051	0.102	SIS-007

Truss T15A



Reactions (lb)

Reaction @ Node 92	
Max. Ult	517.682 (UIS-007)
Min. Ult	-477.990 (UIS-054)

Reaction @ Node 90	
Max. Ult	1405.936 (UIS-007)
Min. Ult	-1263.089 (UIS-054)

Reaction @ Node 89	
Max. Ult	1191.673 (UIS-007)
Min. Ult	-1117.043 (UIS-054)

Reaction @ Node 87	
Max. Ult	1540.258 (UIS-007)
Min. Ult	-1407.753 (UIS-054)

Reaction @ Node 85	
Max. Ult	1432.972 (UIS-007)
Min. Ult	-1312.330 (UIS-054)

Reaction @ Node 83	
Max. Ult	1419.323 (UIS-007)
Min. Ult	-1302.526 (UIS-054)

Reaction @ Node 81	
Max. Ult	1745.894 (UIS-007)
Min. Ult	-1614.459 (UIS-054)

Reaction @ Node 78	
Max. Ult	1338.534 (UIS-007)
Min. Ult	-1247.307 (UIS-054)

Reaction @ Node 77	
Max. Ult	1186.585 (UIS-007)
Min. Ult	-922.679 (UIS-054)

Reaction @ Node 75	
Max. Ult	1551.219 (UIS-007)
Min. Ult	-985.392 (UIS-054)

Reaction @ Node 73	
Max. Ult	1432.512 (UIS-007)
Min. Ult	-882.604 (UIS-054)

Reaction @ Node 71	
Max. Ult	1423.978 (UIS-007)
Min. Ult	-878.821 (UIS-054)

Reaction @ Node 69	
Max. Ult	1732.084 (UIS-007)
Min. Ult	-1075.597 (UIS-054)

Reaction @ Node 66	
Max. Ult	1400.603 (UIS-007)
Min. Ult	-823.409 (UIS-054)

Reaction @ Node 65	
Max. Ult	1198.886 (UIS-007)
Min. Ult	-683.596 (UIS-054)

Reaction @ Node 63	
Max. Ult	1549.004 (UIS-007)
Min. Ult	-1288.789 (UIS-054)

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.00, -0.00)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
2	(0.24, -0.00)	-0.004 (SIS-003)	-0.001 (SIS-002)	0.004 (SIS-007)	2R
3	(1.49, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R+2T
4	(1.63, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
5	(2.38, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
6	(2.96, -0.00)	-0.002 (SIS-003)	-0.002 (SIS-002)	0.002 (SIS-007)	2R
7	(4.11, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
8	(4.29, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
9	(5.45, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.004 (SIS-007)	2R+2T
10	(5.63, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.004 (SIS-007)	2R
11	(6.78, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
12	(6.96, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
13	(8.11, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
14	(8.29, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
15	(9.45, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
16	(9.63, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
17	(10.78, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
18	(10.96, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
19	(12.11, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
20	(12.29, -0.00)	-0.002 (SIS-003)	-0.002 (SIS-002)	0.002 (SIS-007)	2R
21	(13.45, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.003 (SIS-007)	2R+2T
22	(13.63, -0.00)	-0.004 (SIS-003)	-0.001 (SIS-002)	0.003 (SIS-007)	2R
23	(14.78, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R+2T
24	(15.02, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
25	(16.13, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
26	(16.35, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
27	(17.50, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
28	(17.68, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
29	(18.84, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
30	(19.02, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
31	(20.17, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
32	(20.35, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
33	(21.50, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.004 (SIS-007)	2R+2T
34	(21.68, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.004 (SIS-007)	2R
35	(22.84, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
36	(23.02, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
37	(24.17, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
38	(24.35, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
39	(25.50, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
40	(25.68, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
41	(26.84, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
42	(27.02, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
43	(28.17, -0.00)	-0.001 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R+2T
44	(28.35, -0.00)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R
45	(29.50, -0.00)	-0.004 (SIS-003)	-0.002 (SIS-002)	0.004 (SIS-007)	2R+2T
46	(29.47, -0.00)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
47	(0.00, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R
48	(1.26, -1.45)	-0.001 (SIS-003)	0.000 (SIS-002)	0.001 (SIS-007)	2R
49	(1.45, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
50	(2.60, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	-0.001 (SIS-007)	2R
51	(2.80, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
52	(3.93, -1.45)	-0.001 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
53	(4.11, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
54	(5.26, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R
55	(5.45, -1.45)	-0.003 (SIS-003)	-0.002 (SIS-002)	0.003 (SIS-007)	2R+2T
56	(5.61, -1.45)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R
57	(6.78, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
58	(7.93, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
59	(8.11, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
60	(8.26, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
61	(9.45, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
62	(14.61, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
63	(14.78, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
64	(11.93, -1.45)	-0.001 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
65	(12.11, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
66	(13.26, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R
67	(13.56, -1.45)	-0.003 (SIS-003)	-0.002 (SIS-002)	0.002 (SIS-007)	2R+2T
68	(14.67, -1.45)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R
69	(14.84, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
70	(15.99, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
71	(16.17, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
72	(17.32, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
73	(17.50, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
74	(18.67, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
75	(18.86, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
76	(19.99, -1.45)	-0.001 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
77	(20.13, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
78	(21.32, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R
79	(21.50, -1.45)	-0.003 (SIS-003)	-0.002 (SIS-002)	0.003 (SIS-007)	2R+2T
80	(22.67, -1.45)	-0.002 (SIS-003)	-0.001 (SIS-002)	0.001 (SIS-007)	2R
81	(22.84, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
82	(23.99, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
83	(24.13, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
84	(25.32, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
85	(25.50, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
86	(26.67, -1.45)	0.000 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
87	(26.84, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
88	(27.99, -1.45)	-0.001 (SIS-003)	0.000 (SIS-002)	0.000 (SIS-007)	2R
89	(28.13, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R+2T
90	(29.32, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R
91	(29.50, -1.45)	-0.003 (SIS-003)	-0.001 (SIS-002)	0.002 (SIS-007)	2R+2T
92	(30.67, -1.45)	0 (SIS-003)	0 (SIS-002)	0 (SIS-007)	2R

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.000	0.173	0.181	OK
2 - 3	0.029	0.010	0.775	0.820	OK
3 - 4	0.024	0.010	0.775	0.831	OK
4 - 5	0.015	0.004	0.610	0.656	OK
5 - 6	0.012	0.004	0.610	0.673	OK
6 - 7	0.006	0.000	0.675	0.722	OK
7 - 8	0.005	0.000	0.675	0.724	OK
8 - 9	0.004	0.000	0.505	0.557	OK
9 - 10	0.003	0.000	0.505	0.540	OK
10 - 11	0.014	0.005	0.619	0.666	OK
11 - 12	0.012	0.005	0.619	0.666	OK
12 - 13	0.015	0.005	0.600	0.648	OK
13 - 14	0.012	0.005	0.600	0.650	OK
14 - 15	0.013	0.002	0.613	0.661	OK
15 - 16	0.011	0.002	0.613	0.659	OK
16 - 17	0.017	0.000	0.541	0.591	OK
17 - 18	0.014	0.000	0.541	0.588	OK
18 - 19	0.012	0.000	0.589	0.600	OK
19 - 20	0.010	0.000	0.529	0.561	OK
20 - 21	0.005	0.001	0.432	0.437	OK
21 - 22	0.004	0.001	0.398	0.425	OK
22 - 23	0.006	0.005	0.533	0.528	OK
23 - 24	0.005	0.005	0.479	0.516	OK
24 - 25	0.003	0.004	0.524	0.519	OK
25 - 26	0.002	0.004	0.471	0.513	OK
26 - 27	0.000	0.002	0.524	0.522	OK
27 - 28	0.000	0.002	0.471	0.510	OK
28 - 29	0.000	0.005	0.541	0.540	OK
29 - 30	0.000	0.005	0.486	0.535	OK
30 - 31	0.011	0.014	0.590	0.632	OK
31 - 32	0.009	0.014	0.590	0.630	OK
32 - 33	0.006	0.008	0.501	0.553	OK
33 - 34	0.005	0.008	0.501	0.534	OK
34 - 35	0.003	0.005	0.612	0.659	OK
35 - 36	0.003	0.005	0.612	0.657	OK
36 - 37	0.005	0.005	0.604	0.651	OK
37 - 38	0.004	0.005	0.604	0.654	OK
38 - 39	0.003	0.002	0.606	0.655	OK
39 - 40	0.002	0.002	0.606	0.654	OK
40 - 41	0.002	0.001	0.615	0.662	OK
41 - 42	0.002	0.001	0.615	0.671	OK
42 - 43	0.007	0.003	0.653	0.700	OK
43 - 44	0.006	0.003	0.653	0.696	OK
44 - 45	0.000	0.000	0.461	0.515	OK
45 - 46	0.000	0.000	0.461	0.511	OK
Bottom Chord					
47 - 48	0.000	0.000	0.156	0.156	OK
48 - 49	0.015	0.017	0.182	0.212	OK
49 - 50	0.018	0.017	0.182	0.200	OK
50 - 51	0.006	0.009	0.144	0.167	OK
51 - 52	0.008	0.009	0.144	0.151	OK
52 - 53	0.000	0.004	0.190	0.206	OK
53 - 54	0.000	0.004	0.426	0.432	OK
54 - 55	0.001	0.002	0.426	0.549	OK
55 - 56	0.001	0.002	0.407	0.411	OK
56 - 57	0.008	0.008	0.266	0.292	OK
57 - 58	0.009	0.008	0.266	0.275	OK
58 - 59	0.007	0.009	0.135	0.144	OK
59 - 60	0.008	0.009	0.135	0.143	OK
60 - 61	0.003	0.008	0.120	0.128	OK
61 - 62	0.003	0.008	0.120	0.129	OK
62 - 63	0.001	0.010	0.125	0.133	OK
63 - 64	0.001	0.010	0.125	0.135	OK
64 - 65	0.000	0.007	0.193	0.214	OK
65 - 66	0.000	0.007	0.435	0.441	OK
66 - 67	0.001	0.003	0.435	0.561	OK
67 - 68	0.001	0.003	0.322	0.326	OK
68 - 69	0.007	0.003	0.269	0.294	OK
69 - 70	0.008	0.003	0.269	0.277	OK
70 - 71	0.006	0.002	0.134	0.146	OK
71 - 72	0.007	0.002	0.134	0.142	OK
72 - 73	0.003	0.000	0.120	0.133	OK
73 - 74	0.004	0.000	0.120	0.129	OK
74 - 75	0.008	0.000	0.126	0.135	OK
75 - 76	0.009	0.000	0.126	0.136	OK
76 - 77	0.020	0.006	0.202	0.222	OK
77 - 78	0.023	0.006	0.425	0.431	OK
78 - 79	0.012	0.004	0.425	0.545	OK
79 - 80	0.014	0.004	0.397	0.411	OK
80 - 81	0.007	0.002	0.268	0.295	OK
81 - 82	0.008	0.002	0.268	0.276	OK
82 - 83	0.007	0.003	0.133	0.141	OK
83 - 84	0.008	0.003	0.133	0.140	OK
84 - 85	0.003	0.002	0.120	0.129	OK
85 - 86	0.004	0.002	0.120	0.130	OK
86 - 87	0.002	0.001	0.126	0.135	OK
87 - 88	0.002	0.001	0.126	0.136	OK
88 - 89	0.005	0.004	0.184	0.195	OK
89 - 90	0.006	0.004	0.390	0.396	OK
90 - 91	0.000	0.000	0.458	0.597	OK
91 - 92	0.000	0.000	0.458	0.462	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

Forces

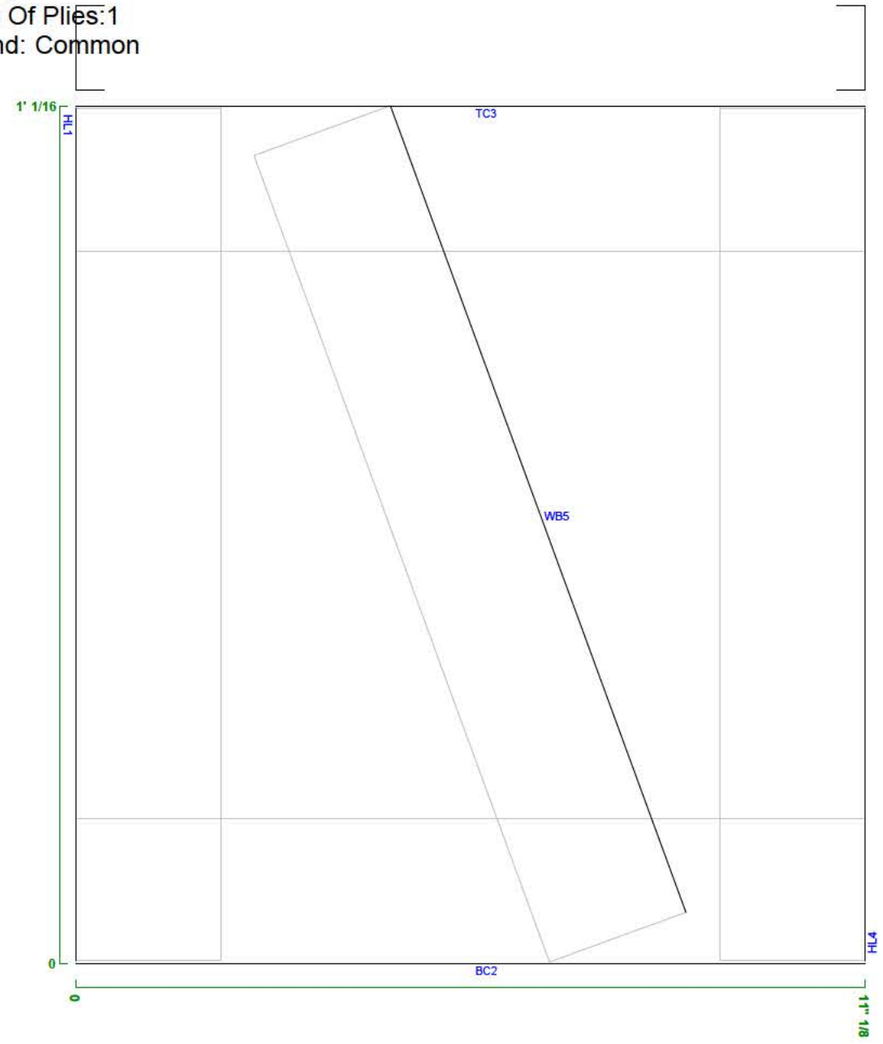
Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Webs					
47 - 1	0.042	0.027	0.000	0.042	OK
92 - 46	0.042	0.031	0.000	0.042	OK
2 - 48	0.029	0.028	0.000	0.029	OK
3 - 49	0.180	0.135	0.000	0.180	OK
4 - 50	0.024	0.010	0.000	0.024	OK
5 - 51	0.163	0.120	0.000	0.163	OK
6 - 52	0.024	0.014	0.000	0.024	OK
7 - 53	0.155	0.118	0.000	0.155	OK
8 - 54	0.005	0.000	0.000	0.005	OK
9 - 55	0.125	0.097	0.000	0.125	OK
10 - 56	0.023	0.015	0.000	0.023	OK
11 - 57	0.152	0.112	0.000	0.152	OK
12 - 58	0.000	0.001	0.000	0.001	OK
13 - 59	0.155	0.112	0.000	0.155	OK
14 - 60	0.002	0.005	0.000	0.005	OK
15 - 61	0.153	0.111	0.000	0.153	OK
16 - 62	0.000	0.004	0.000	0.004	OK
17 - 63	0.164	0.107	0.000	0.164	OK
18 - 64	0.028	0.012	0.000	0.028	OK
19 - 65	0.152	0.085	0.000	0.152	OK
20 - 66	0.011	0.000	0.000	0.011	OK
21 - 67	0.130	0.075	0.000	0.130	OK
22 - 68	0.022	0.007	0.000	0.022	OK
23 - 69	0.150	0.082	0.000	0.150	OK
24 - 70	0.005	0.000	0.000	0.005	OK
25 - 71	0.155	0.084	0.000	0.155	OK
26 - 72	0.011	0.004	0.000	0.011	OK
27 - 73	0.153	0.084	0.000	0.153	OK
28 - 74	0.010	0.002	0.000	0.010	OK
29 - 75	0.164	0.091	0.000	0.164	OK
30 - 76	0.025	0.012	0.000	0.025	OK
31 - 77	0.150	0.103	0.000	0.150	OK
32 - 78	0.008	0.009	0.000	0.009	OK
33 - 79	0.124	0.096	0.000	0.124	OK
34 - 80	0.025	0.017	0.000	0.025	OK
35 - 81	0.151	0.110	0.000	0.151	OK
36 - 82	0.000	0.002	0.000	0.002	OK
37 - 83	0.154	0.113	0.000	0.154	OK
38 - 84	0.004	0.004	0.000	0.004	OK
39 - 85	0.152	0.112	0.000	0.152	OK
40 - 86	0.000	0.002	0.000	0.002	OK
41 - 87	0.161	0.117	0.000	0.161	OK
42 - 88	0.014	0.010	0.000	0.014	OK
43 - 89	0.147	0.112	0.000	0.147	OK
44 - 90	0.013	0.006	0.000	0.013	OK
45 - 91	0.135	0.102	0.000	0.135	OK

Reactions (lb)

Reaction @ Node 61		Reaction @ Node 59		Reaction @ Node 57		Reaction @ Node 54		Reaction @ Node 53		Reaction @ Node 51		Reaction @ Node 49		Reaction @ Node 47	
Max. Ult	1433.991 (UIS-007)	Max. Ult	1418.821 (UIS-007)	Max. Ult	1747.129 (UIS-007)	Max. Ult	1318.540 (UIS-007)	Max. Ult	1211.799 (UIS-007)	Max. Ult	1433.931 (UIS-007)	Max. Ult	1904.260 (UIS-007)	Max. Ult	458.094 (UIS-007)
Min. Ult	-1314.899 (UIS-054)	Min. Ult	-1280.389 (UIS-054)	Min. Ult	-1609.114 (UIS-054)	Min. Ult	-1136.414 (UIS-054)	Min. Ult	-1150.894 (UIS-054)	Min. Ult	-1266.406 (UIS-054)	Min. Ult	-1890.697 (UIS-054)	Min. Ult	-316.406 (UIS-054)

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	

BT1 H2_1.5-20Ga-50Ksi
1 : 2
No Of Plies:1
Kind: Common



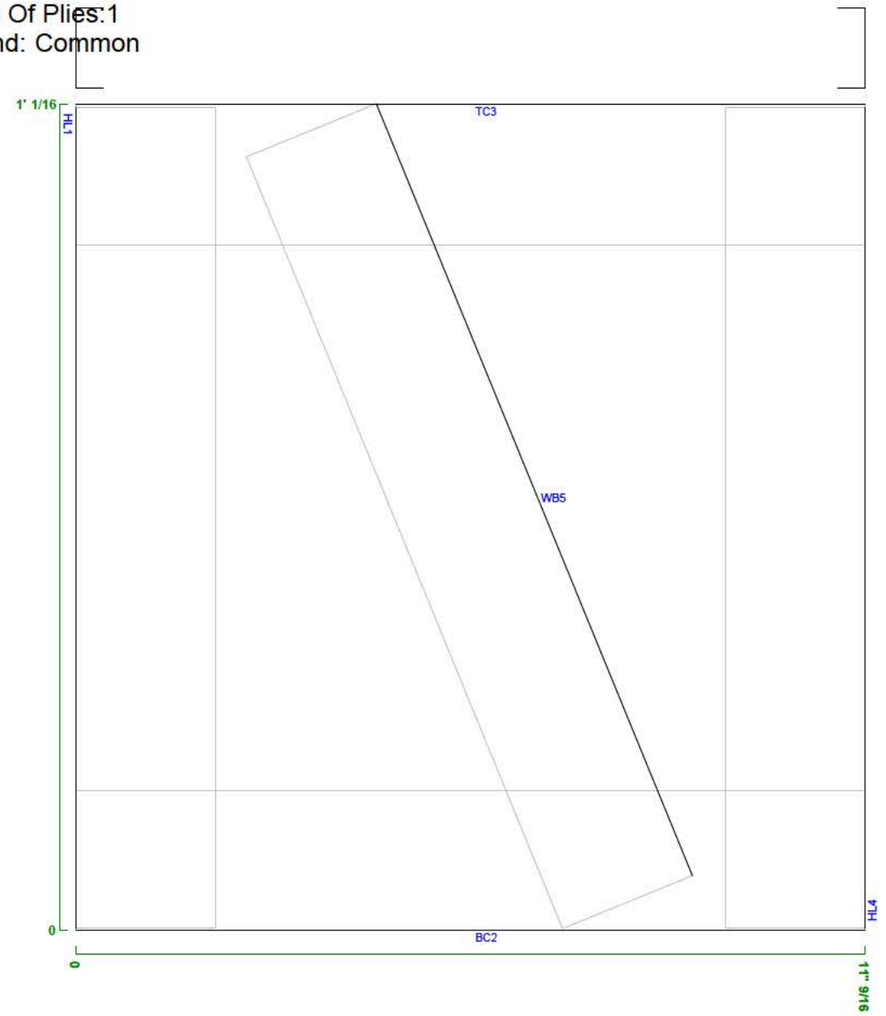
Items

Item	Pitch	Length
HL1	90	1'
BC2	0	11" 1/8
TC3	0	11" 1/8
HL4	90	1'
WB5	70	1' 1/8

Selected Frames Dimensions

Job Name	

BT2 H2_1.5-20Ga-50Ksi
1 : 2
No Of Plies:1
Kind: Common



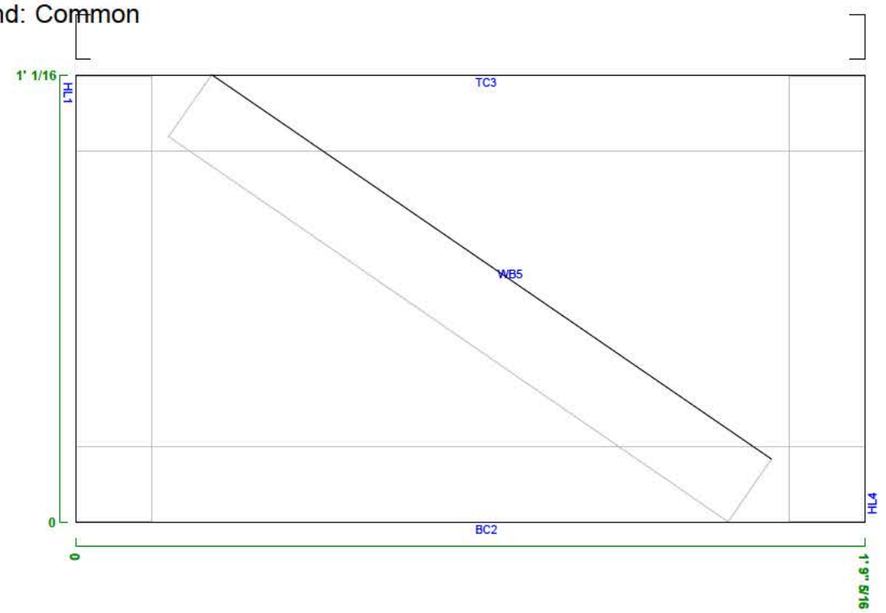
Items

Item	Pitch	Length
HL1	90	1'
BC2	0	11" 9/16
TC3	0	11" 9/16
HL4	90	1'
WB5	68	1' 3/16

Selected Frames Dimensions

Job Name	

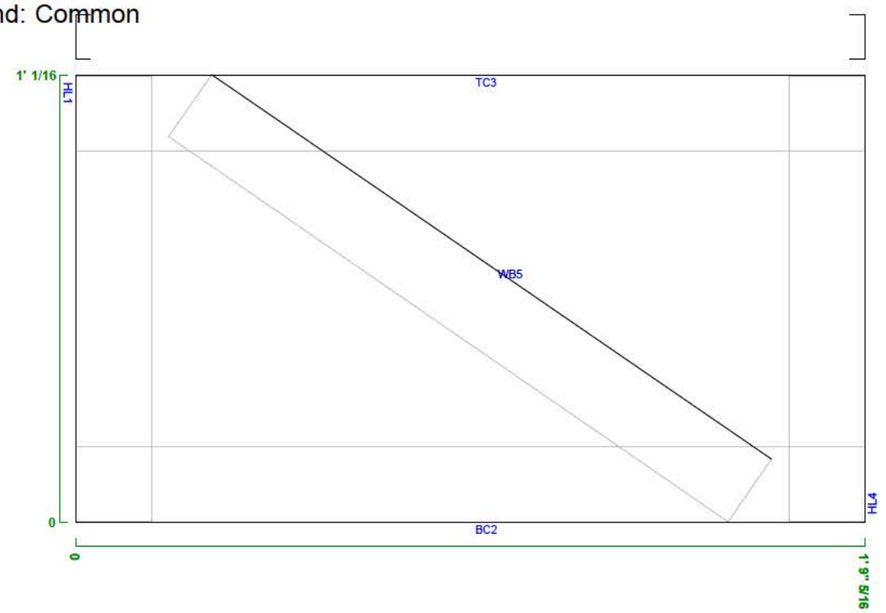
BT3 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

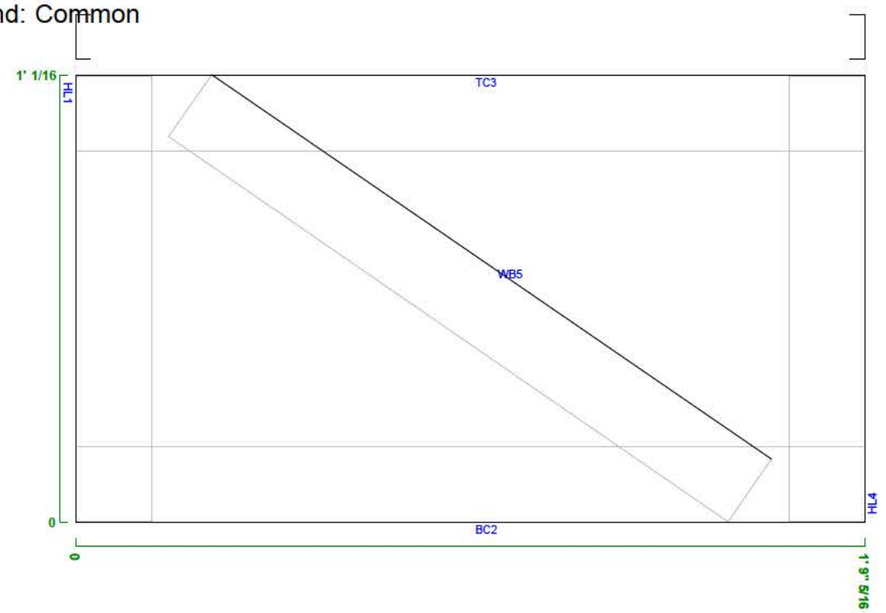
BT4 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

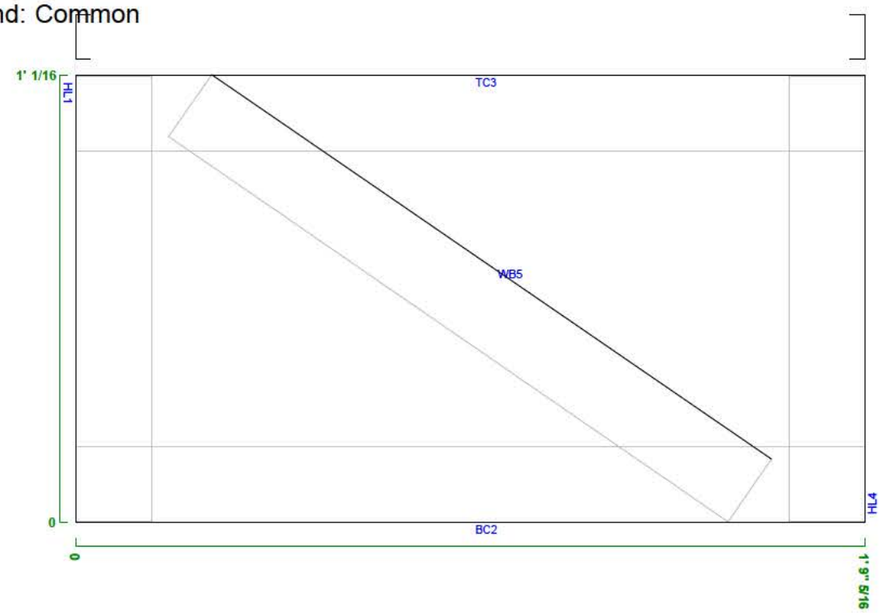
BT5 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

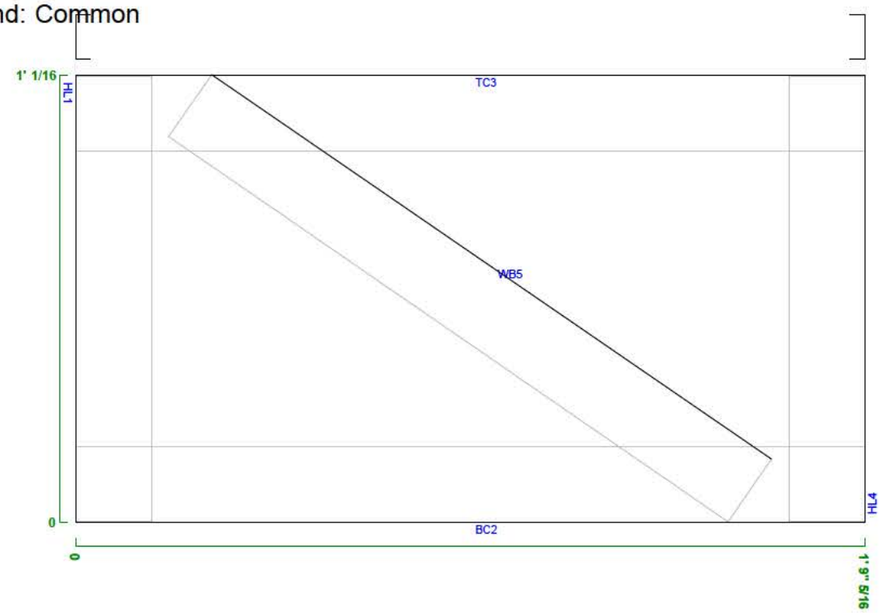
BT6 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

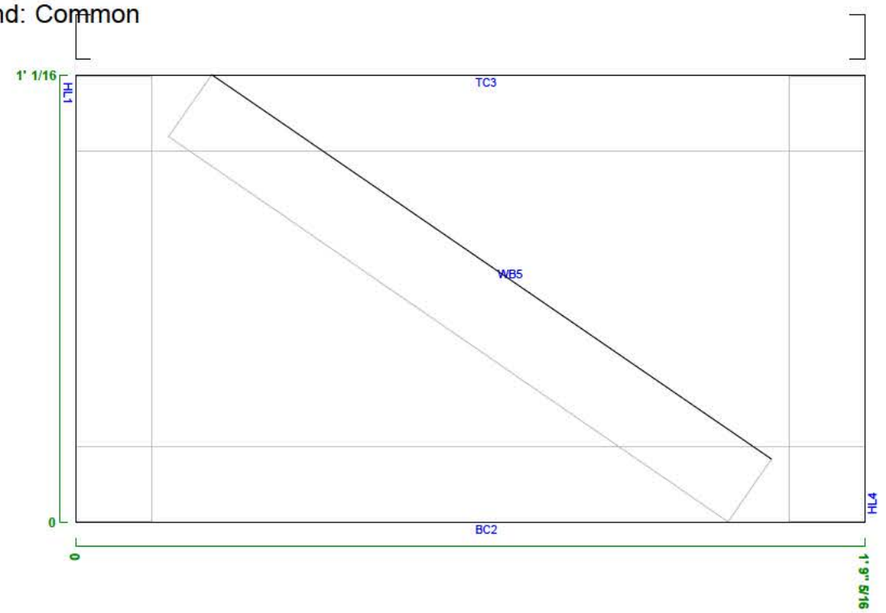
BT7 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

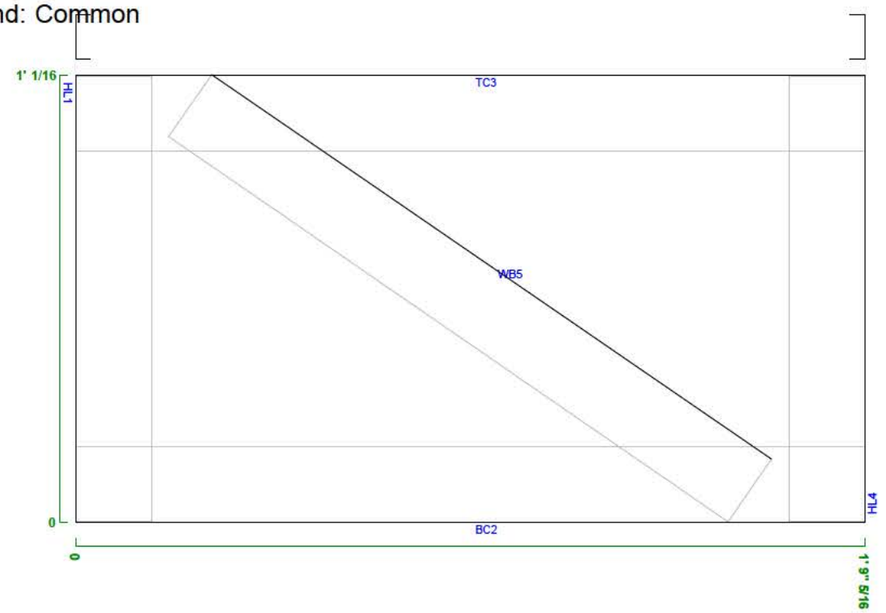
BT8 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

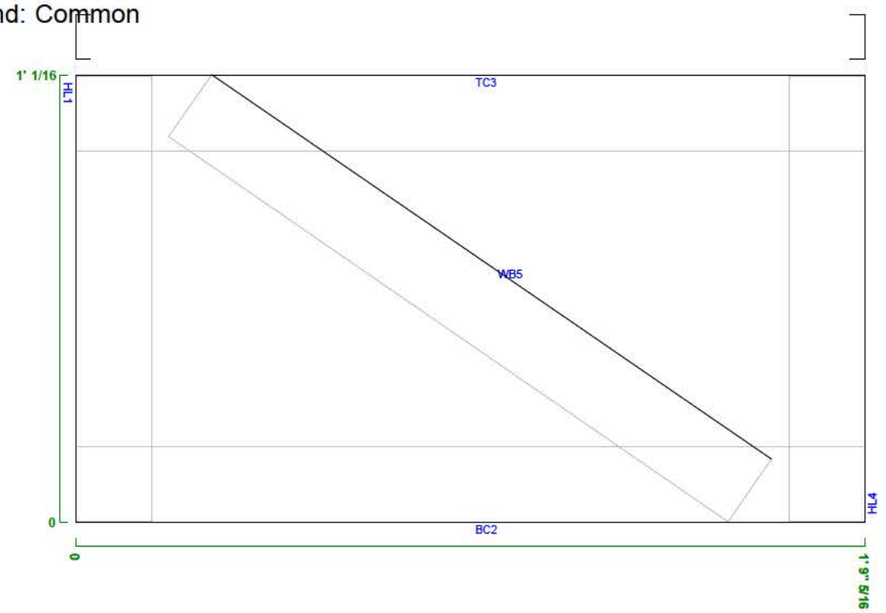
BT9 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

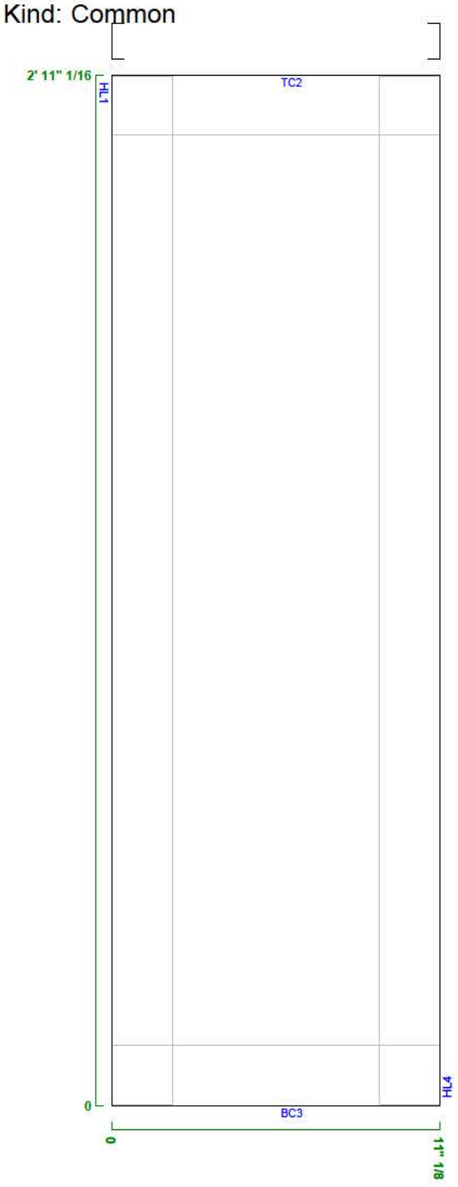
BT10 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	1'
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	1'
WB5	35	1' 6" 3/8

BT11 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



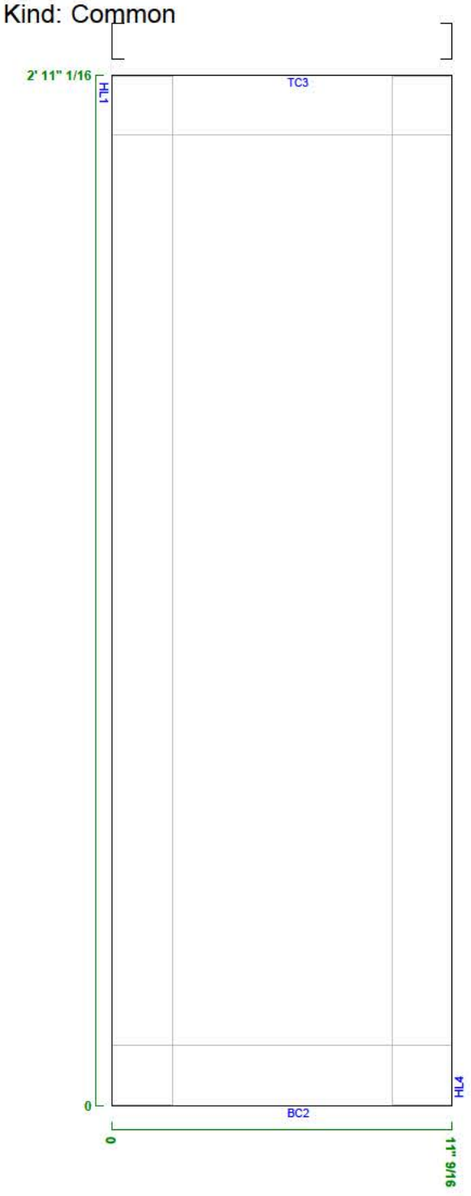
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
TC2	0	11" 1/8
BC3	0	11" 1/8
HL4	90	2' 10" 15/16

Selected Frames Dimensions

Job Name	

BT12 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



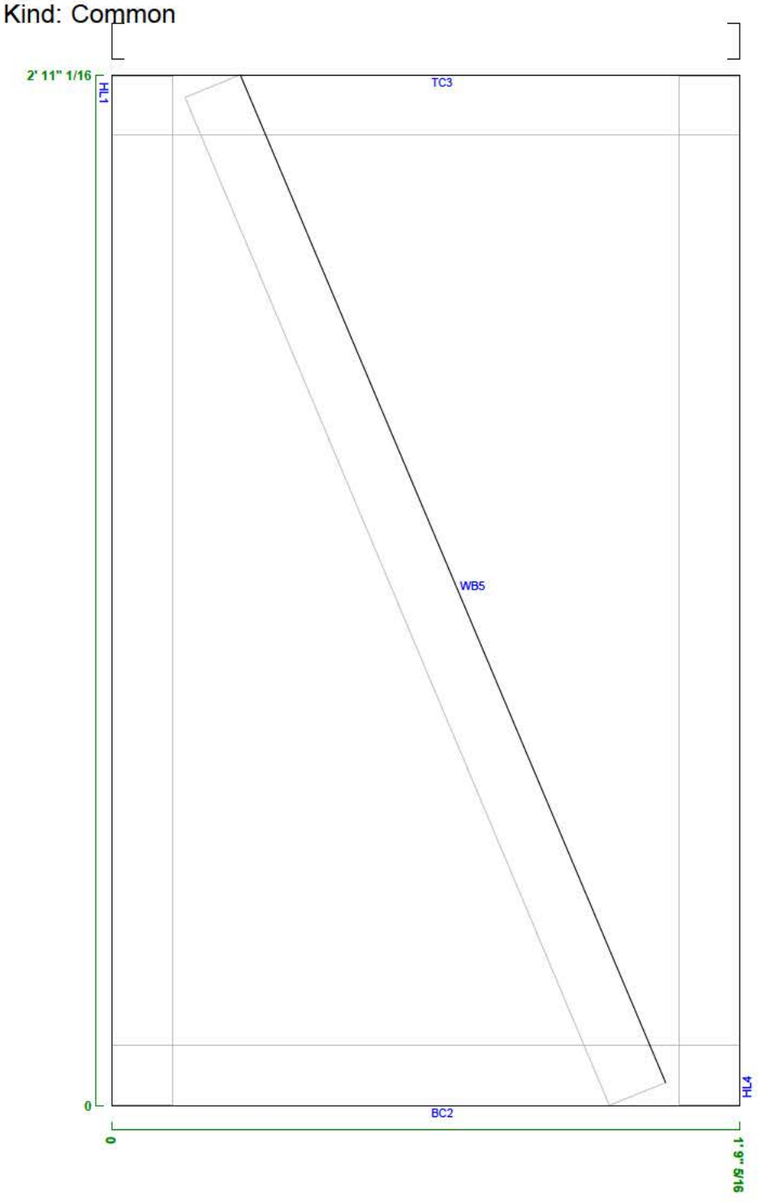
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	11" 9/16
TC3	0	11" 9/16
HL4	90	2' 10" 15/16

Selected Frames Dimensions

Job Name	

BT13 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



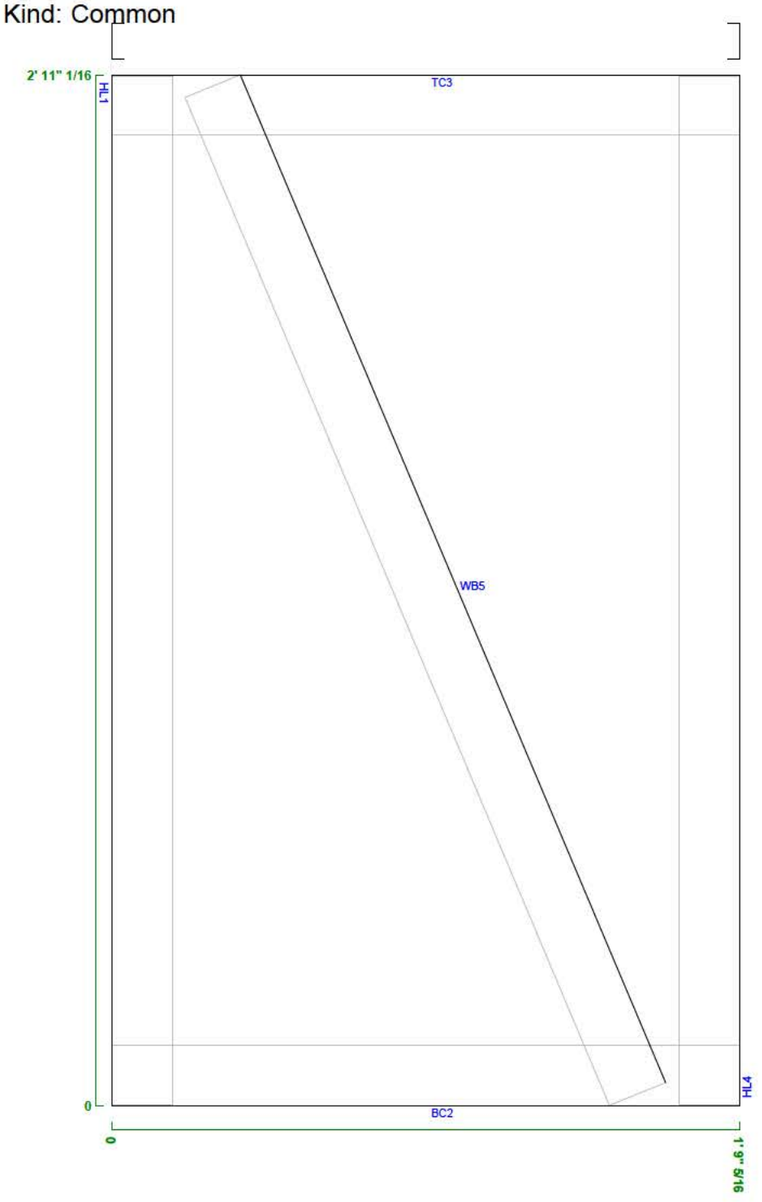
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

BT14 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



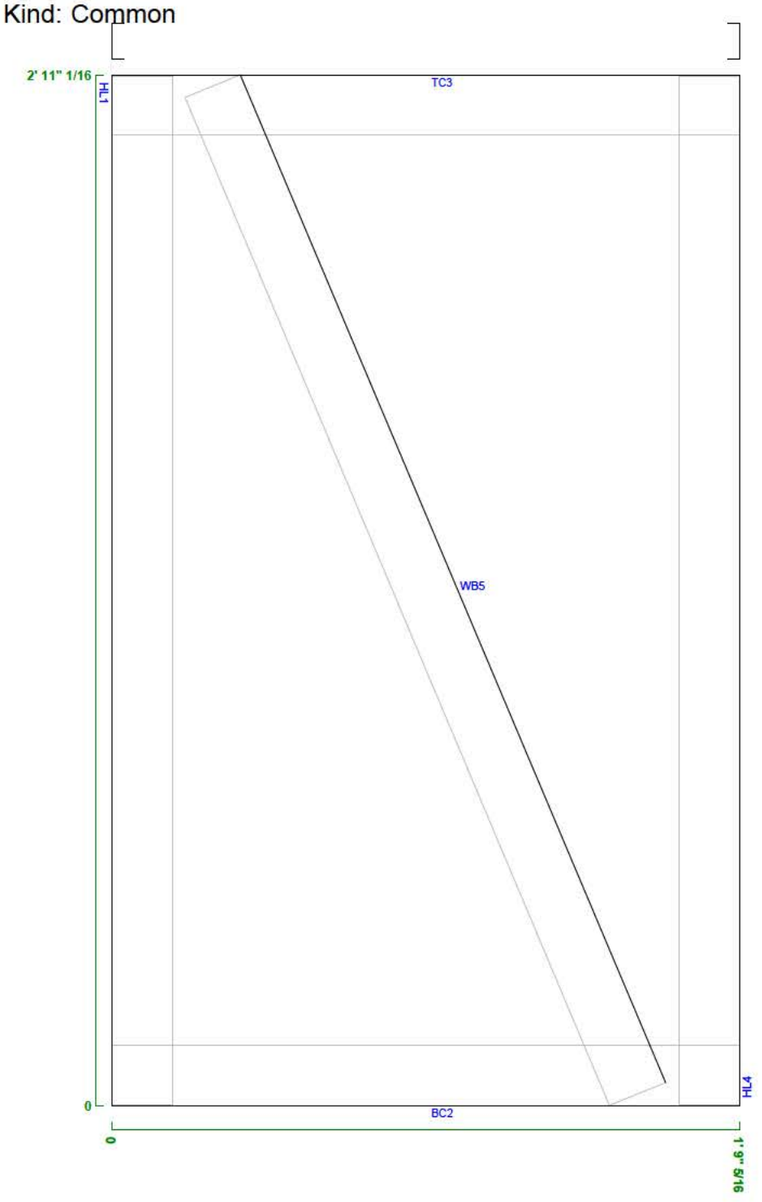
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

BT16 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



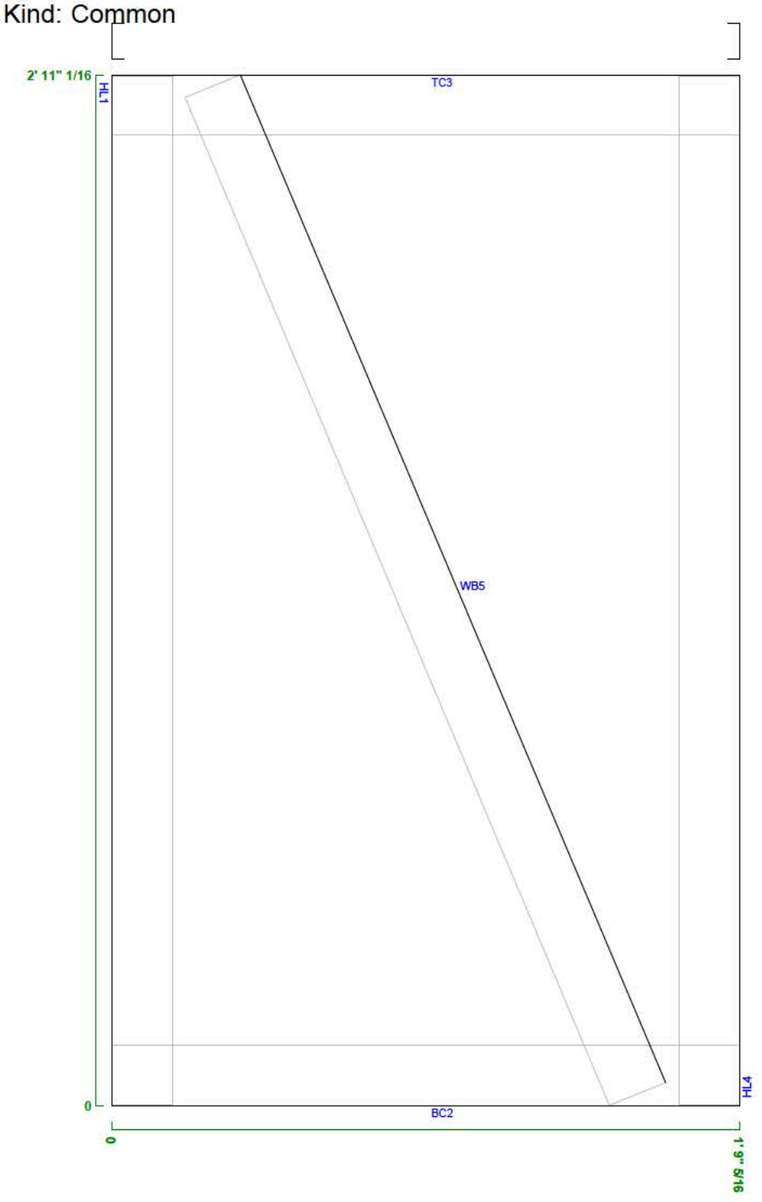
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

BT17 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



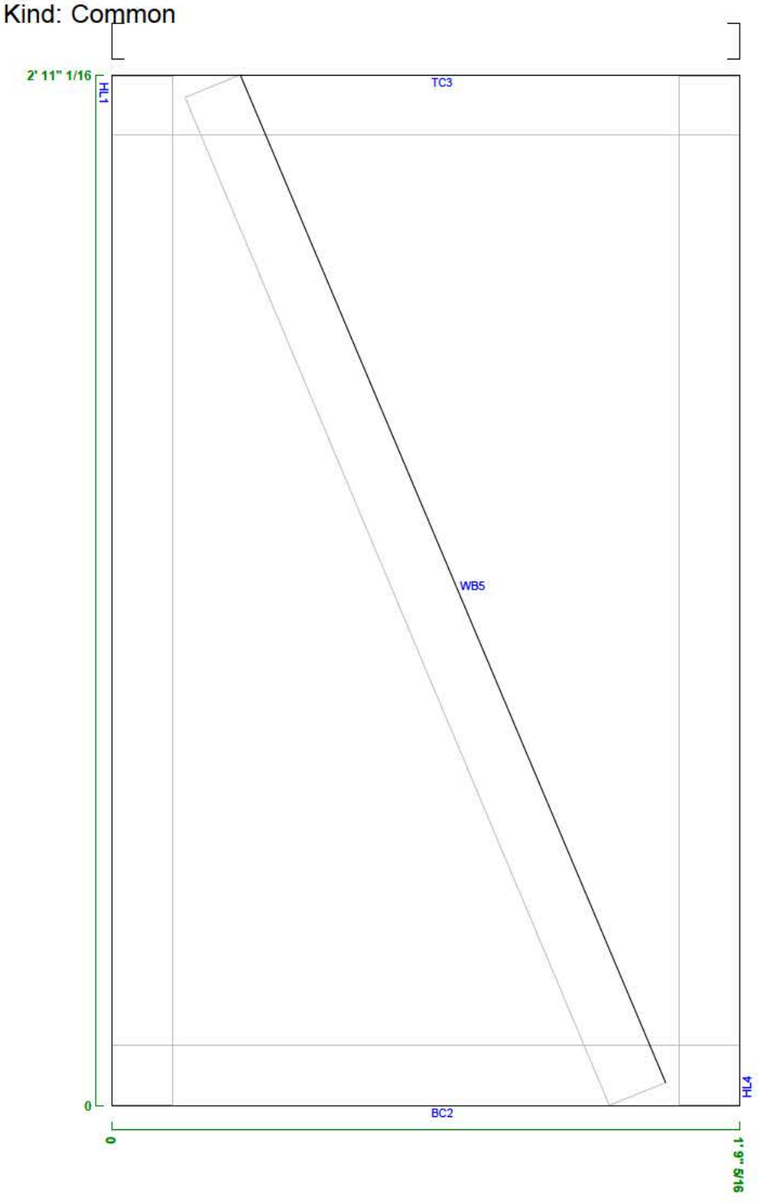
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

BT18 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



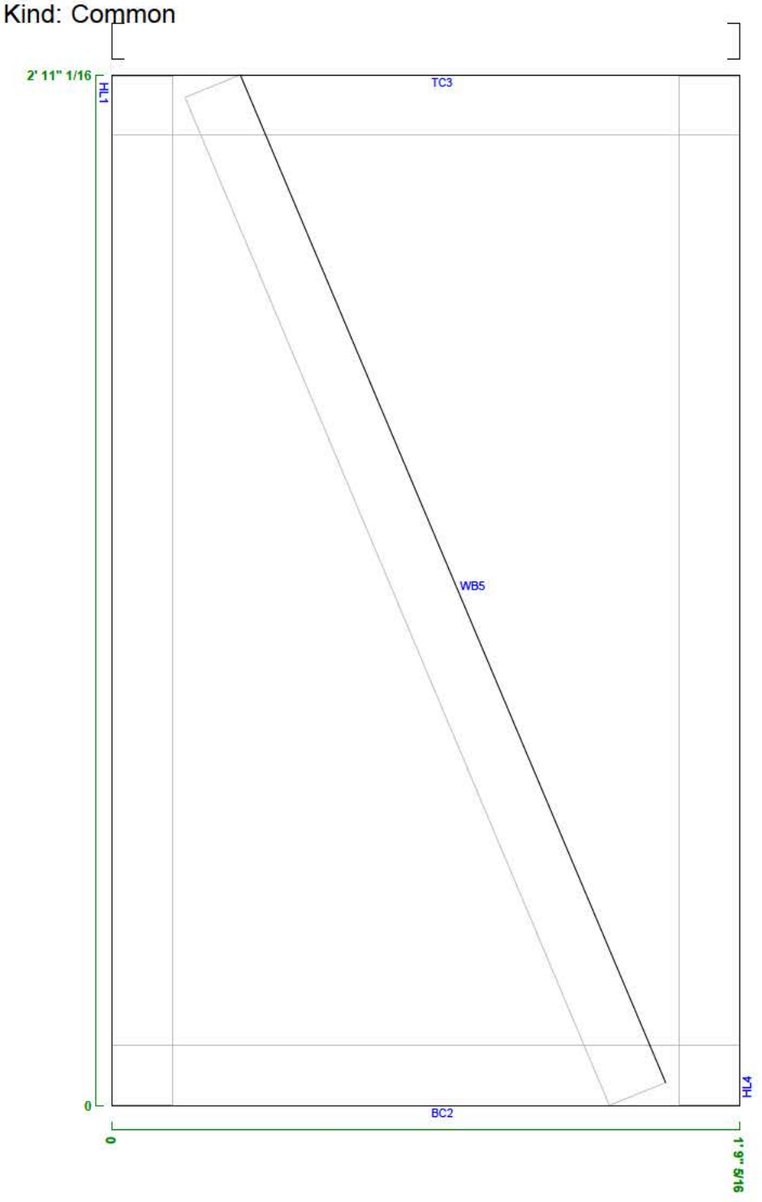
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

BT19 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



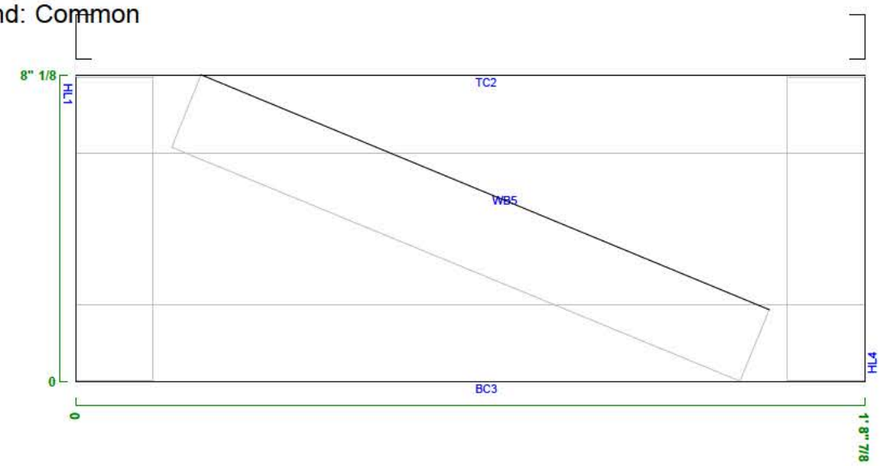
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

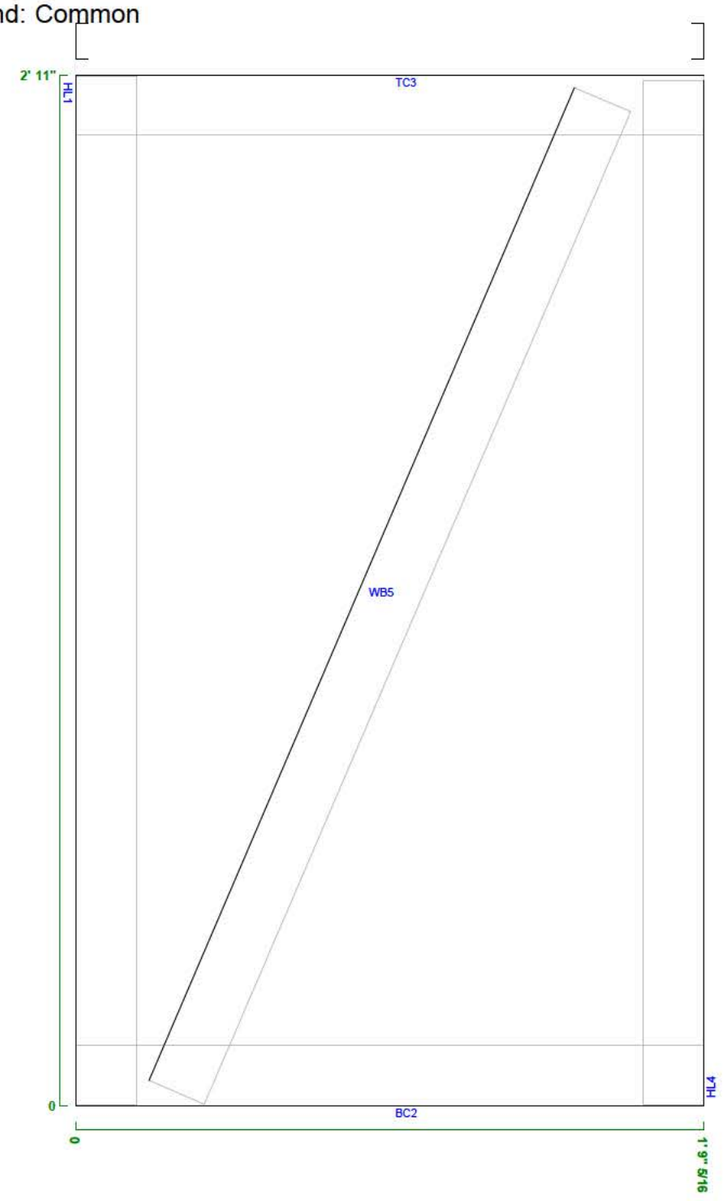
BT20 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	8" 1/16
TC2	0	1' 8" 7/8
BC3	0	1' 8" 7/8
HL4	90	8" 1/16
WB5	22	1' 4" 1/4

BT21 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



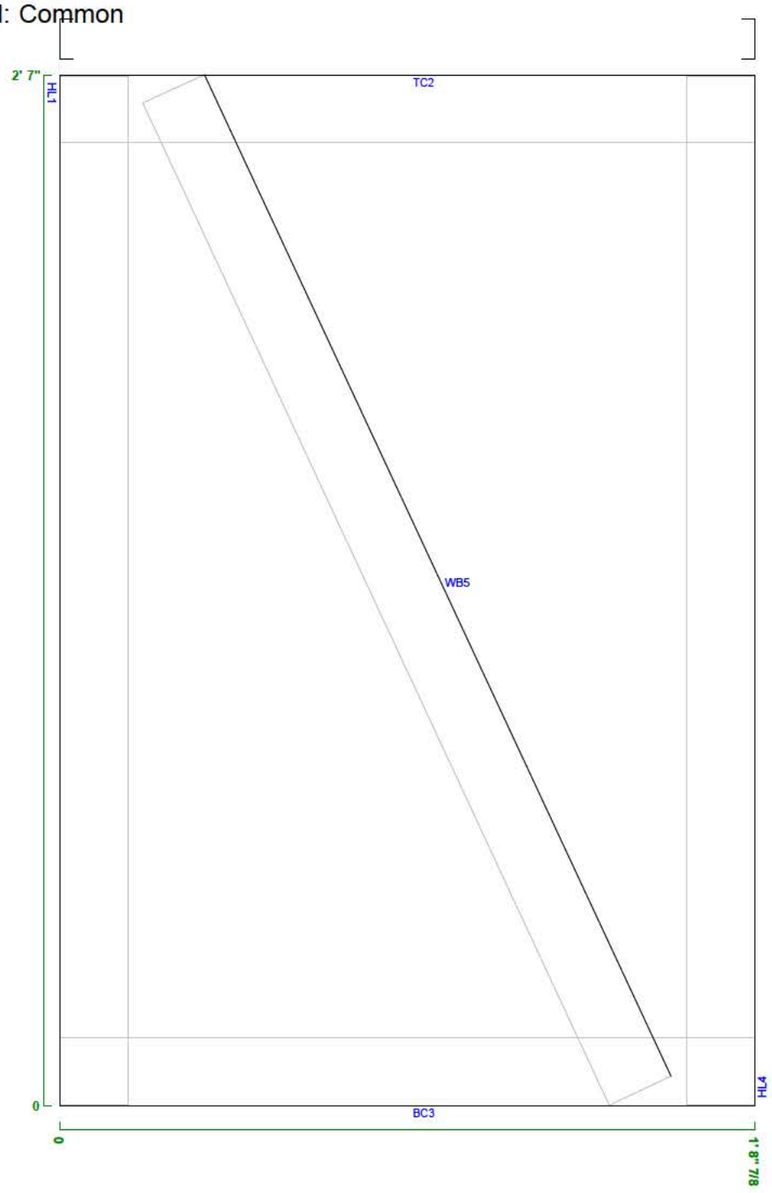
Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 3/4
WB5	67	3' 5/8

Selected Frames Dimensions

Job Name	

BT22 H2_1.5-20Ga-50Ksi
1 : 3
No Of Plies:1
Kind: Common



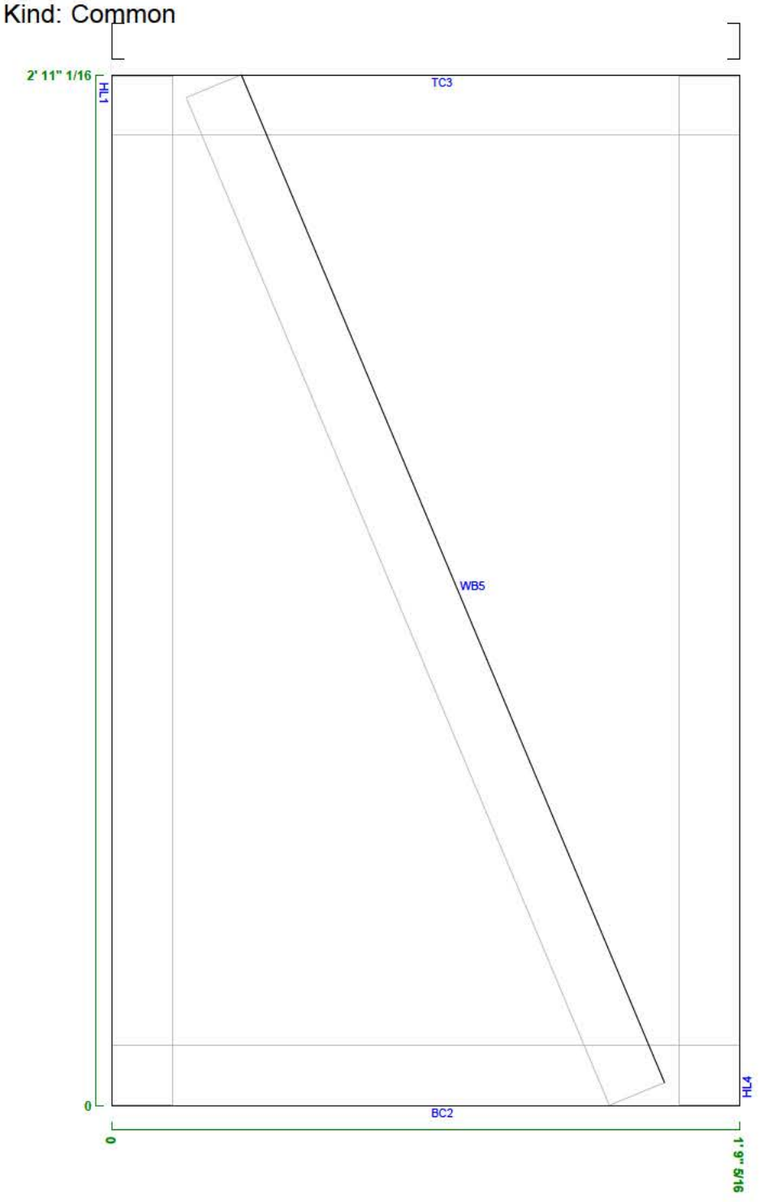
Items

Item	Pitch	Length
HL1	90	2' 6" 7/8
TC2	0	1' 8" 7/8
BC3	0	1' 8" 7/8
HL4	90	2' 6" 7/8
WB5	65	2' 9" 1/4

Selected Frames Dimensions

Job Name	

T103 H2_1.5-20Ga-50Ksi
1 : 4
No Of Plies:1
Kind: Common



Items

Item	Pitch	Length
HL1	90	2' 10" 15/16
BC2	0	1' 9" 5/16
TC3	0	1' 9" 5/16
HL4	90	2' 10" 15/16
WB5	67	3' 1" 3/16

Selected Frames Dimensions

Job Name	

Environment

Site Data	
Elevation ASL (Arch)	0
Building Data	
Country Code	US
Building Code	2023 FBC
Wind Procedure	Components and Cladding
Wind Zone	Intermediate Zone
Building Function	A
Roof Type	Gable
Building Length (Arch)	52'
Building Width (Arch)	40'
Avg. Roof Height (Arch)	18'
Enclosed?	Enclosed

For complete job environment details, refer to the job Enviroments Report.

Load Summary

Load	Value
Loaded Width (Actual) (Arch)	2'
Roof Dead Load (psf)	10.000
Roof Live Load (psf)	20.000
Roof Point Load (lb)	0
Ceiling Dead Load (psf)	10.000
Ceiling Point Load (lb)	0

Truss Summary

Item	Value
Level	1
Steel	HZ_1.5-20Ga-50Ksi
Width (Arch)	13' 1"
Height (Arch)	3'
Loaded Width (Arch)	2'
Purlin Spacing (Arch)	0 (1' spacing used)
Batten Spacing (Arch)	2'
BC Span (Arch)	13' 1"
Steel (Arch)	54' 11" 1/16
Weight (lb)	65.62
Max. Deflection Up (in)	0.076 (Node: 8 - SLS-007)
Max. Deflection Down (in)	-0.066 (Node: 8 - SLS-003)
Max CR - Top Chord	0.739
Max CR - Bottom Chord	0.949
Status	Pass

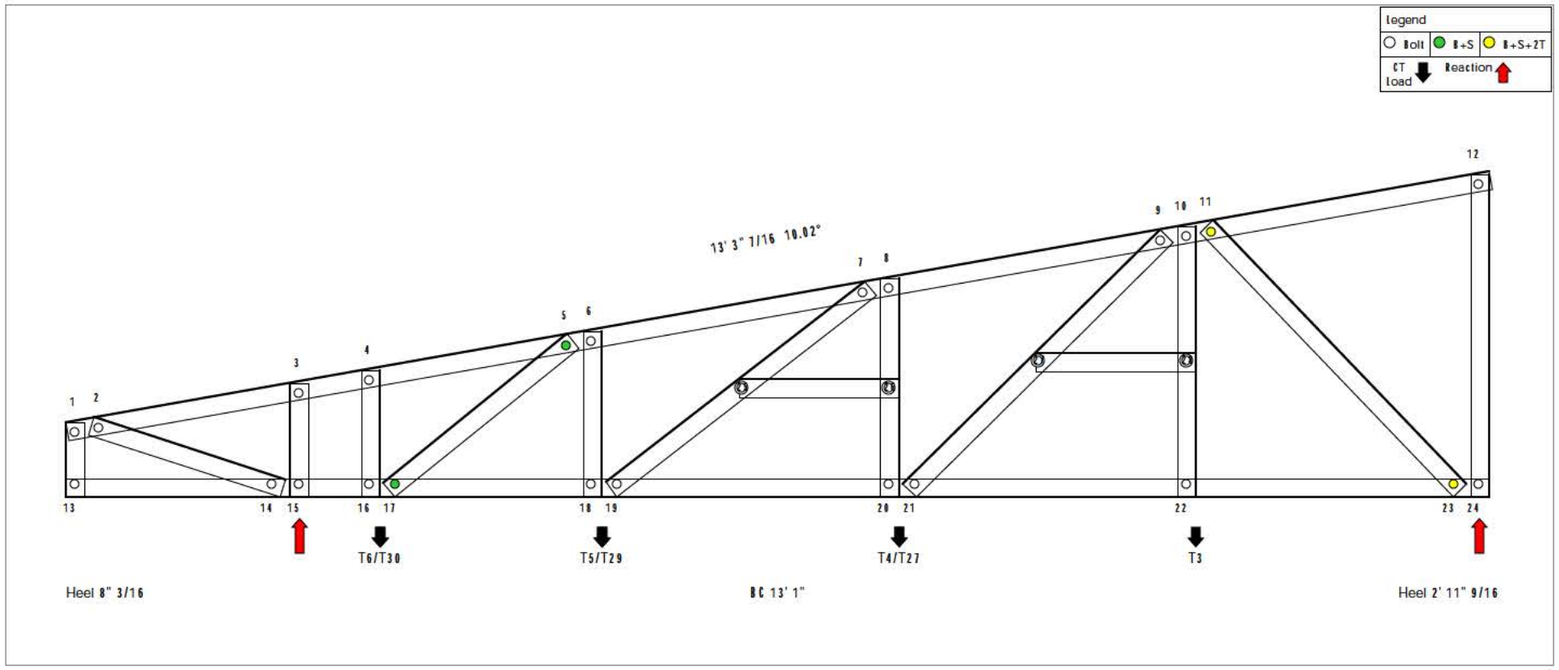
Node Deflections Summary

	Node	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	20	-0.066	0.530	0.124	SLS-003
Live	20	-0.032	0.353	0.091	SLS-002
Wind	20	0.075	0.353	0.213	SLS-007

Member Deflections Summary

	Member	Maximum (in)	Limit (in)	Ratio	Combo
Dead + Live	18	0.072	0.530	0.135	SLS-003
Live	18	0.035	0.353	0.099	SLS-002
Wind	18	-0.082	0.353	0.231	SLS-007

Truss T16



Reactions and Loads (lb)

Reaction @ Node 24	
Max. Ult	1150.077 (ULS-007)
Min. Ult	-1341.020 (ULS-054)

Reaction @ Node 15	
Max. Ult	426.556 (ULS-031)
Min. Ult	-678.914 (ULS-054)

CT Load T6 (Node: 6)	
Max. Ult	370.663 (ULS-054)
Min. Ult	370.663 (ULS-054)

CT Load T30 (Node: 8)	
Max. Ult	276.226 (ULS-054)
Min. Ult	276.226 (ULS-054)

CT Load T5 (Node: 12)	
Max. Ult	43.430 (ULS-031)
Min. Ult	43.430 (ULS-031)

CT Load T29 (Node: 12)	
Max. Ult	43.889 (ULS-031)
Min. Ult	43.889 (ULS-031)

CT Load T4 (Node: 16)	
Max. Ult	216.286 (ULS-007)
Min. Ult	216.286 (ULS-007)

CT Load T27 (Node: 16)	
Max. Ult	216.286 (ULS-007)
Min. Ult	216.286 (ULS-007)

CT Load T3 (Node: 16)	
Max. Ult	364.440 (ULS-007)
Min. Ult	364.440 (ULS-007)

CT Load T26 (Node: 16)	
Max. Ult	
Min. Ult	

Nodes / Deflections (in)

Node	Position (x,y)	Dead + Live	Live	Wind	Joint
1	(0.005, -0.000)	0.000 (SLS-003)	0.005 (SLS-002)	-0.015 (SLS-007)	Bolt
2	(0.309, -0.060)	0.000 (SLS-003)	0.004 (SLS-002)	-0.014 (SLS-007)	Bolt
3	(2.146, 0.265)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
4	(2.797, 0.380)	-0.010 (SLS-003)	-0.005 (SLS-002)	0.018 (SLS-007)	Bolt
5	(4.692, 0.699)	-0.036 (SLS-003)	-0.018 (SLS-002)	0.048 (SLS-007)	B+S
6	(4.838, 0.741)	-0.042 (SLS-003)	-0.021 (SLS-002)	0.054 (SLS-007)	Bolt
7	(7.334, 1.182)	-0.064 (SLS-003)	-0.031 (SLS-002)	0.074 (SLS-007)	Bolt
8	(7.578, 1.224)	-0.066 (SLS-003)	-0.032 (SLS-002)	0.076 (SLS-007)	Bolt
9	(10.068, 1.665)	-0.057 (SLS-003)	-0.028 (SLS-002)	0.063 (SLS-007)	Bolt
10	(10.302, 1.707)	-0.046 (SLS-003)	-0.022 (SLS-002)	0.050 (SLS-007)	Bolt
11	(10.548, 1.749)	-0.034 (SLS-003)	-0.016 (SLS-002)	0.037 (SLS-007)	B+S+2T
12	(12.997, 2.183)	0.000 (SLS-003)	0.000 (SLS-002)	0.000 (SLS-007)	Bolt
13	(0.005, -0.574)	0.000 (SLS-003)	0.005 (SLS-002)	-0.015 (SLS-007)	Bolt
14	(1.900, -0.574)	0.002 (SLS-003)	0.001 (SLS-002)	-0.005 (SLS-007)	Bolt
15	(2.146, -0.574)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
16	(2.797, -0.574)	-0.010 (SLS-003)	-0.005 (SLS-002)	0.018 (SLS-007)	Bolt
17	(3.038, -0.574)	-0.016 (SLS-003)	-0.008 (SLS-002)	0.026 (SLS-007)	B+S
18	(4.838, -0.574)	-0.043 (SLS-003)	-0.021 (SLS-002)	0.055 (SLS-007)	Bolt
19	(5.078, -0.574)	-0.048 (SLS-003)	-0.023 (SLS-002)	0.059 (SLS-007)	Bolt
20	(7.578, -0.574)	-0.066 (SLS-003)	-0.032 (SLS-002)	0.075 (SLS-007)	Bolt
21	(7.886, -0.574)	-0.062 (SLS-003)	-0.030 (SLS-002)	0.070 (SLS-007)	Bolt
22	(10.302, -0.574)	-0.047 (SLS-003)	-0.023 (SLS-002)	0.051 (SLS-007)	Bolt
23	(12.752, -0.574)	-0.016 (SLS-003)	-0.007 (SLS-002)	0.016 (SLS-007)	B+S+2T
24	(12.997, -0.574)	0 (SLS-003)	0 (SLS-002)	0 (SLS-007)	Bolt
25	(6.215, 0.314)	-0.057 (SLS-003)	-0.028 (SLS-002)	0.068 (SLS-007)	Bolt
26	(7.578, 0.313)	-0.066 (SLS-003)	-0.032 (SLS-002)	0.076 (SLS-007)	Bolt
27	(8.945, 0.554)	-0.060 (SLS-003)	-0.029 (SLS-002)	0.067 (SLS-007)	Bolt
28	(10.302, 0.550)	-0.046 (SLS-003)	-0.022 (SLS-002)	0.051 (SLS-007)	Bolt

Forces

Nodes	Compr. Ind	Tens. Index	Bend. Index	CR Ratio	Joint
Top Chord					
1 - 2	0.000	0.001	0.027	0.031	OK
2 - 3	0.000	0.019	0.342	0.346	OK
3 - 4	0.005	0.024	0.342	0.364	OK
4 - 5	0.001	0.022	0.290	0.289	OK
5 - 6	0.180	0.183	0.280	0.457	OK
6 - 7	0.195	0.174	0.249	0.439	OK
7 - 8	0.225	0.209	0.281	0.484	OK
8 - 9	0.267	0.215	0.496	0.607	OK
9 - 10	0.129	0.115	0.394	0.490	OK
10 - 11	0.117	0.106	0.634	0.739	OK
11 - 12	0.005	0.001	0.634	0.640	OK
Bottom Chord					
13 - 14	0.000	0.000	0.225	0.225	OK
14 - 15	0.021	0.000	0.190	0.200	OK
15 - 16	0.061	0.008	0.267	0.285	OK
16 - 17	0.058	0.008	0.363	0.475	OK
17 - 18	0.378	0.134	0.363	0.741	OK
18 - 19	0.237	0.134	0.195	0.382	OK
19 - 20	0.546	0.177	0.326	0.872	OK
20 - 21	0.274	0.178	0.326	0.601	OK
21 - 22	0.334	0.113	0.141	0.475	OK
22 - 23	0.334	0.114	0.632	0.949	OK
23 - 24	0.000	0.000	0.615	0.715	OK
Webs					
13 - 1	0.001	0.009	0.000	0.009	OK
24 - 12	0.013	0.009	0.000	0.013	OK
2 - 14	0.032	0.000	0.000	0.032	OK
3 - 15	0.052	0.086	0.000	0.086	OK
4 - 16	0.053	0.028	0.000	0.053	OK
17 - 5	0.404	0.260	0.000	0.404	OK
6 - 18	0.088	0.084	0.000	0.088	OK
19 - 25	0.097	0.049	0.036	0.122	OK
25 - 7	0.099	0.039	0.036	0.124	OK
25 - 26	0.005	0.004	0.000	0.005	OK
8 - 26	0.027	0.059	0.036	0.072	OK
26 - 20	0.027	0.059	0.036	0.072	OK
21 - 27	0.233	0.123	0.003	0.236	OK
27 - 9	0.230	0.091	0.003	0.233	OK
27 - 28	0.000	0.000	0.000	0.000	OK
28 - 22	0.075	0.074	0.003	0.078	OK
10 - 28	0.076	0.074	0.003	0.079	OK
11 - 23	0.007	0.264	0.000	0.007	OK

Job Name	
Job Number	
Detailer	
Company	
Date	
Project File	