



**BILL OF MATERIALS**

MARK	DESCRIPTION	LENGTH	NUMBER REQUIRED	MATERIAL
A1	TOP CHORD	21'-0 1/4"	2	50 KSI A529
A2	BOTTOM CHORD	20'-4 3/8"	2	50 KSI A529
A3	VERTICAL END	1'-5 1/2"	4	50 KSI A529
A5	TIE	1'-10"	2	A36
A6	TIE	1'-10"	1	A36
W1	WEB	1'-7 1/2"	38	A36
W2	WEB	1'-5"	4	A36
B1	BASE	7 1/4"	2	50 KSI A529

**NOTES:**

- PURLINS TO BE MINIMUM **2x6 (#2 SYP)** @ 2'-0" O.C. FOR 10' TRUSS SPACING AN 2x6 (#1 SYP) FOR 12' & 13' TRUSS SPACING..
- CONTRACTOR RESPONSIBLE FOR PERMANENT AND TEMPORARY CONSTRUCTION BRACING.
- FABRICATOR TO VERIFY DIMENSIONS BEFORE FABRICATION.
- THIS DESIGN IS FOR TRUSS ONLY, UNLESS NOTED.
- ALL WELDS AND WELDING PER AWS.
- STRUCTURAL STEEL AND FABRICATION PER AISC.
- MEMBER DIMENSIONS ARE TO BE ADJUSTED FOR SHORTER TRUSS LENGTHS.
- FASTENERS INSTALLED WITH TREATED WOOD MUST BE MANUFACTURER RECOMMENDED FOR USE WITH THE ASSOCIATED WOOD TREATMENT.

**DESIGN LOAD NOTES:**

- TRUSS SPACING = 13' ALLOWABLE DEAD LOAD = 6 PSF
- TRUSS SPACING = 12' ALLOWABLE DEAD LOAD = 7 PSF
- TRUSS SPACING = 10' ALLOWABLE DEAD LOAD = 10 PSF
- TRUSS SPACING = 8' ALLOWABLE DEAD LOAD = 12 PSF

**DESIGN CRITERIA - IBC 2012, 2015, & 2018**

- DESIGN LOADS PER ASCE 7-10 & 7-16
- ROOF LIVE LOAD = 20 PSF  
DEAD LOAD = SEE DESIGN LOAD NOTES
- DESIGN WIND SPEED = 115 MPH (IBC 2015 MAP)
- WIND RISK CATEGORY II
- WIND EXPOSURE CATEGORY B
- BUILDING CATEGORY II
- GROUND SNOW LOAD = 10 PSF
- IMPORTANCE FACTOR 1.0



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<b>E4 Steel Truss LLC</b>	
30212 Hwy 278	ADDISON, AL 35540 (256) 735-4602
<b>40' STEEL TRUSS</b>	
SCALE NONE	DATE 08-08-2020
DRAWN BY J. HYDE	DRAWING NO. 20-0808-40G
40' TRUSS DETAIL - (13' SPC. MAX)	
SHEET NO. 1 OF 1	