

### BILL OF MATERIALS

MARK	DESCRIPTION	LENGTH	NUMBER REQUIRED	MATERIAL
A1	TOP CHORD	L 1 1/2 x 1 1/2 x 3/16	21'-1"	A36
A2	BOTTOM CHORD	L 1 1/2 x 1 1/2 x 3/16	20'-6 1/2"	A36
A4	VERTICAL END	L 1 1/2 x 1 1/2 x 3/16	1'-6"	A36
A5	TIE	L 1 1/4 x 1 1/4 x 1/8	1'-8"	A36
A6	TIE	L 1 1/4 x 1 1/4 x 1/8	20'-0"	A36
W1	WEB	L 1 1/4 x 1 1/4 x 1/8	1'-8 1/8"	A36
W2	WEB	L 1 1/4 x 1 1/4 x 1/8	1'-5 1/8"	A36
B1	BASE	L 1 1/2 x 1 1/2 x 3/16	5 1/2"	A36

### DESIGN LOADS

(APPLIED PER INTERNATIONAL BUILDING CODE 2009)

WITH PORTION OF TOP & BOT CHORDS DOUBLED

TRUSS SPACING = **12'** ROOF LIVE LOAD = 20 PSF DEAD LOAD = 6 PSF

TRUSS SPACING = **10'** ROOF LIVE LOAD = 20 PSF DEAD LOAD = 11 PSF

TRUSS SPACING = **8'** ROOF LIVE LOAD = 20 PSF DEAD LOAD = 19 PSF

WITH NO DOUBLE CHORDS

TRUSS SPACING = **10'** ROOF LIVE LOAD = 20 PSF DEAD LOAD = 6 PSF

TRUSS SPACING = **8'** ROOF LIVE LOAD = 20 PSF DEAD LOAD = 10 PSF

WIND SPEED = 90 MPH (IBC - IBC 2009)

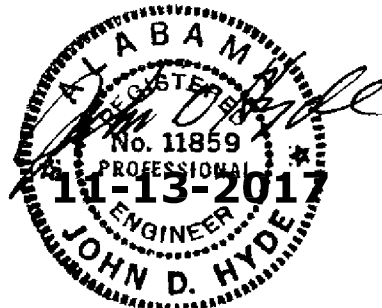
WIND SPEED = 105 MPH (IBC - 2012) (RISK CATEGORY I)

SNOW LOAD = 10 PSF GROUND SNOW LOAD

### NOTES:

- PURLINS TO BE MINIMUM **2x6** FOR **10'** & **12'** TRUSS SPACING.
- PURLINS TO BE MINIMUM **2x4** FOR **8'** TRUSS SPACING.
- PURLINS TO BE #2 SYP AND SPACED AT A MAXIMUM 2'-0" O.C.
- INCREASE IN ALLOWABLE STRESS FOR WIND LOADING HAS BEEN USED.
- MEMBER DIMENSIONS ARE TO BE ADJUSTED FOR SHORTER TRUSS LENGTHS.
- WEB CONFIGURATIONS AND PURLINS MAY VARY BUT MAINTAIN MAXIMUM 2'-0" SPACING.
- CONTRACTOR RESPONSIBLE FOR TEMPORARY CONSTRUCTION & PERMANENT BRACING.
- FABRICATOR SHALL VERIFY DIMENSIONS BEFORE CUTTING AND/OR FABRICATING TRUSS.
- FABRICATION AND WELDING PER AISC AND AWS.
- DESIGN IS FOR TRUSS ONLY.

THIS DRAWING WAS PRODUCED BY JOHN D. HYDE AND MAY NOT BE MODIFIED IN ANY WAY NOR SHALL THIS DRAWING BE USED BY ANYONE OTHER THAN AGCOR STEEL, LLC. OR ITS ASSIGNS WITHOUT THE EXPRESS WRITTEN PERMISSION OF JOHN D. HYDE WHOSE PROFESSIONAL ENGINEER'S STAMP APPEARS ON THIS DRAWING.



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<b>AGCOR STEEL, LLC.</b>			
<b>40'STEEL TRUSS</b>			
SCALE AS NOTED	DATE 11-13-2017	DRAWN BY J. HYDE	DRAWING NO. 17-1113-40
<b>TRUSS DETAIL</b>			SHEET NO. 1 OF 1