

TRUSS DETAIL

BILL OF MATERIALS

MARK	DESCRIPTION	LENGTH	NUMBER REQUIRED	MATERIAL	
A1	TOP CHORD	LL 2 x 2 x 3/16	42'- 1"	2	A36
A2	BOTTOM CHORD	LL 2 x 2 x 3/16	41'- 5"	2	A36
A3	VERTICAL END	LL 2 x 2 x 3/16	1'-5 1/2"	4	A36
A4	TIE	L 1 1/2 x 1 1/2 x 1/8	1'-6"	4	A36
A5	TIE	L 1 1/2 x 1 1/2 x 1/8	22'-6"	1	A36
A6	TIE	L 1 1/2 x 1 1/2 x 1/8	40'-5"	1	A36
W1	WEB	L 1 1/2 x 1 1/2 x 1/8	1'-7 3/8"	40	A36
W2	WEB	L 1 1/2 x 1 1/2 x 1/8	1'- 5"	2	A36
W3	WEB	L 1 1/2 x 1 1/2 x 1/8	1'- 6"	2	A36
B1	BASE	LL 2 x 2 x 3/16	7 1/4"	2	A36

BRACING NOTES:

- 80 FOOT SPAN TRUSSES OF THIS CONFIGURATION ARE VERY UNSTABLE DURING HANDLING AND INSTALLATION.
- IT IS HIGHLY RECOMMENDED THAT THE INSTALLATION BE PERFORMED BY SOMEONE WITH EXPERIENCE INSTALLING THIS TYPE AND SIZE TRUSS.
- TEMPORARY BRACING OF THESE ROOF TRUSSES IS EXTREMELY IMPORTANT TO THE STABILITY AND SAFE INSTALLATION.
- CONSTRUCTION & TEMPORARY BRACING (BOTH LATERAL & LONGITUDINAL) MUST REMAIN IN PLACE UNTIL ALL STRUCTURAL COMPONENTS OF BUILDING ARE COMPLETED.

DESIGN LOAD NOTES:

FOR TRUSS SPACING = 10' ALLOWABLE DEAD LOAD = 6 PSF

WIND LOAD = 115 MPH (INTERNATIONAL BUILDING CODE 2012)

WIND LOAD = 90 MPH (INTERNATIONAL BUILDING CODE 2009)

NOTES:

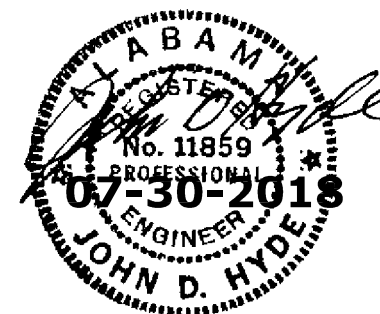
1. PURLINS TO BE MINIMUM 2x6 #2 SYP (SPACED MAXIMUM 2'-0" O.C.).
2. FABRICATOR TO VERIFY DIMENSIONS BEFORE FABRICATION.
3. CONTRACTOR RESPONSIBLE FOR TEMPORARY CONSTRUCTION & PERMANENT BRACING.
4. ALL WELDS AND WELDING PER AWS.
5. STRUCTURAL STEEL AND FABRICATION PER AISC.
6. FASTENERS INSTALLED WITH TREATED WOOD MUST BE MANUFACTURER RECOMMENDED FOR USE WITH THE ASSOCIATED WOOD TREATMENT.
7. DESIGN IS FOR TRUSS ONLY, SUPPORT WALLS AND/OR POSTS ARE NOT A PART OF THIS DESIGN.

DESIGN CRITERIA - 2012 IBC

1. DESIGN LOADS PER ASCE 7-10
2. REQUIREMENT FOR STEEL - ASTM A-36
3. ROOF LIVE LOAD = 20 PSF
DEAD LOAD = SEE DESIGN LOAD NOTES
4. DESIGN WIND SPEED = 115 MPH
5. WIND RISK CATEGORY II
6. WIND EXPOSURE CATEGORY B
7. BUILDING CATEGORY II
8. GROUND SNOW LOAD = 10 PSF
9. IMPORTANCE FACTOR 1.0
10. ROOF UNHEATED - NOT SLIPPERY

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AGCOR STEEL, LLC.

80' GABLE TRUSS

SCALE AS NOTED	DATE 07-30-2018	DRAWN BY J. HYDE	DRAWING NO. 18-0230 - 80
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TRUSS DETAIL

SHEET NO.
1 OF 1