Job:(STOCK23) / -OPEN / / EG 26' 4/12 60# GABLE

This dwg. prepared by the ITW job designer program from truss mfr's layout.

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF Stud

The studded portion of the truss is designed to support 1-4-0 top chord outlookers and 2.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched, unless specified otherwise. Vertical and roof plane diaphragms, and connections by others.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

All plates are 1.5X3 except as noted.

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	120	0.15	25.85

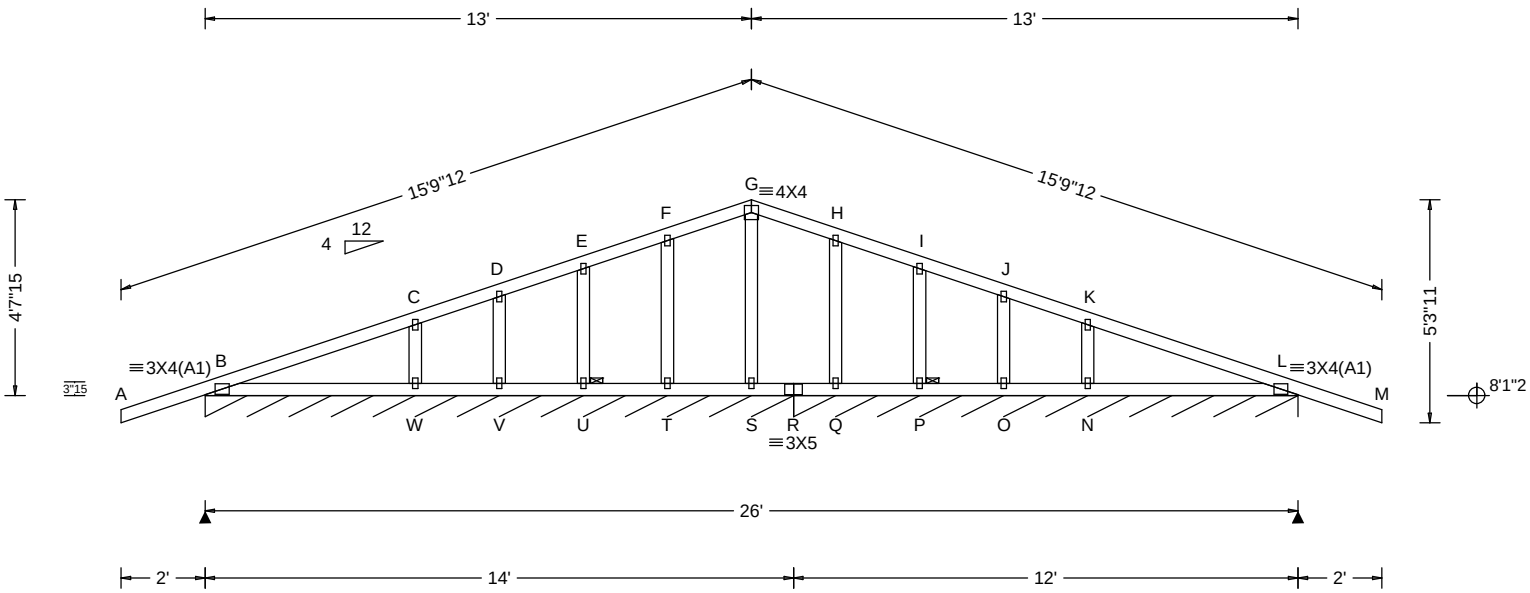
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

115 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

See DWGS A11515ENC101014, GBLLETIN1014, & GABRST101014 for gable wind bracing and other requirements.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-15 section 1607.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



LEFT RAKE = 2'1"5

RIGHT RAKE = 2'1"5

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B*	223	/ 1	/ 53	/ -	/ 7	/ 168
R*	237	/ 6	/ 55	/ -	/ -	/ 144

Wind reactions based on MWFRS
B Min Brg Width Req = -
R Min Brg Width Req = -
Bearings B & R are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	99	0	G - H	158	- 91
B - C	67	- 148	H - I	123	- 81
C - D	64	- 121	I - J	92	- 84
D - E	92	- 84	J - K	64	- 121
E - F	123	- 81	K - L	67	- 148
F - G	158	- 91	L - M	99	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	99	- 38	R - Q	106	- 45
W - V	102	- 40	Q - P	105	- 45
V - U	103	- 41	P - O	104	- 44
U - T	105	- 41	O - N	102	- 43
T - S	106	- 42	N - L	99	- 41
S - R	106	- 42			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - W	136	- 647	Q - H	146	- 464
D - V	66	- 314	P - I	83	- 419
E - U	83	- 419	O - J	66	- 314
F - T	146	- 464	N - K	136	- 647
G - S	0	- 263			

DESC = EG 26' 4/12 60# GABLE

PLT TYP. WAVE DESIGN CRIT=IBC 2015 /TPI-2014 FT/RT=0%(0%)/0(0) **PLY= 1 QTY= 30** REV. 15.02.00C.1217.15

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****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise,top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown.
The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

TC LL	47.00 PSF	JOB #: STOCK23	
TC DL	7.00 PSF	DATE - 03/07/23	
BC DL	10.00 PSF	EG 26' 4/12 60# GABLE	
BC LL	0.00 PSF		
TOT. LD	64.00 PSF	WEIGHT =118.7	
DUR. FAC	1.15	SEQ - 86803	
SPACING	24.0 "	TYPE GABL	