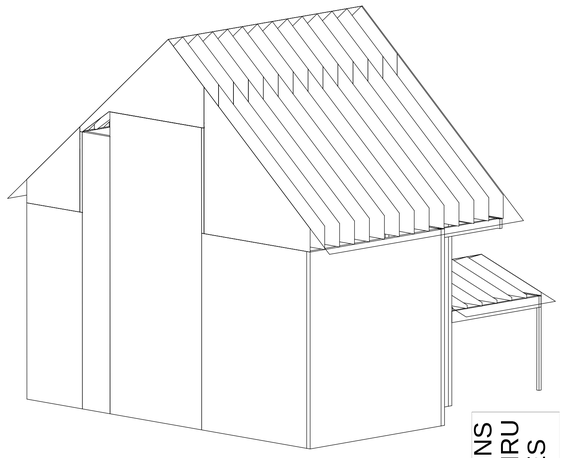
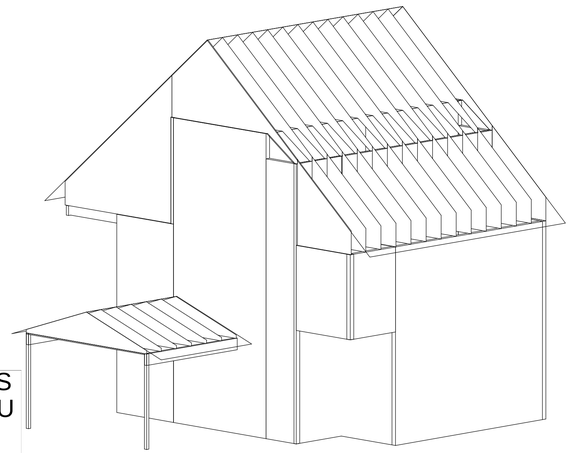
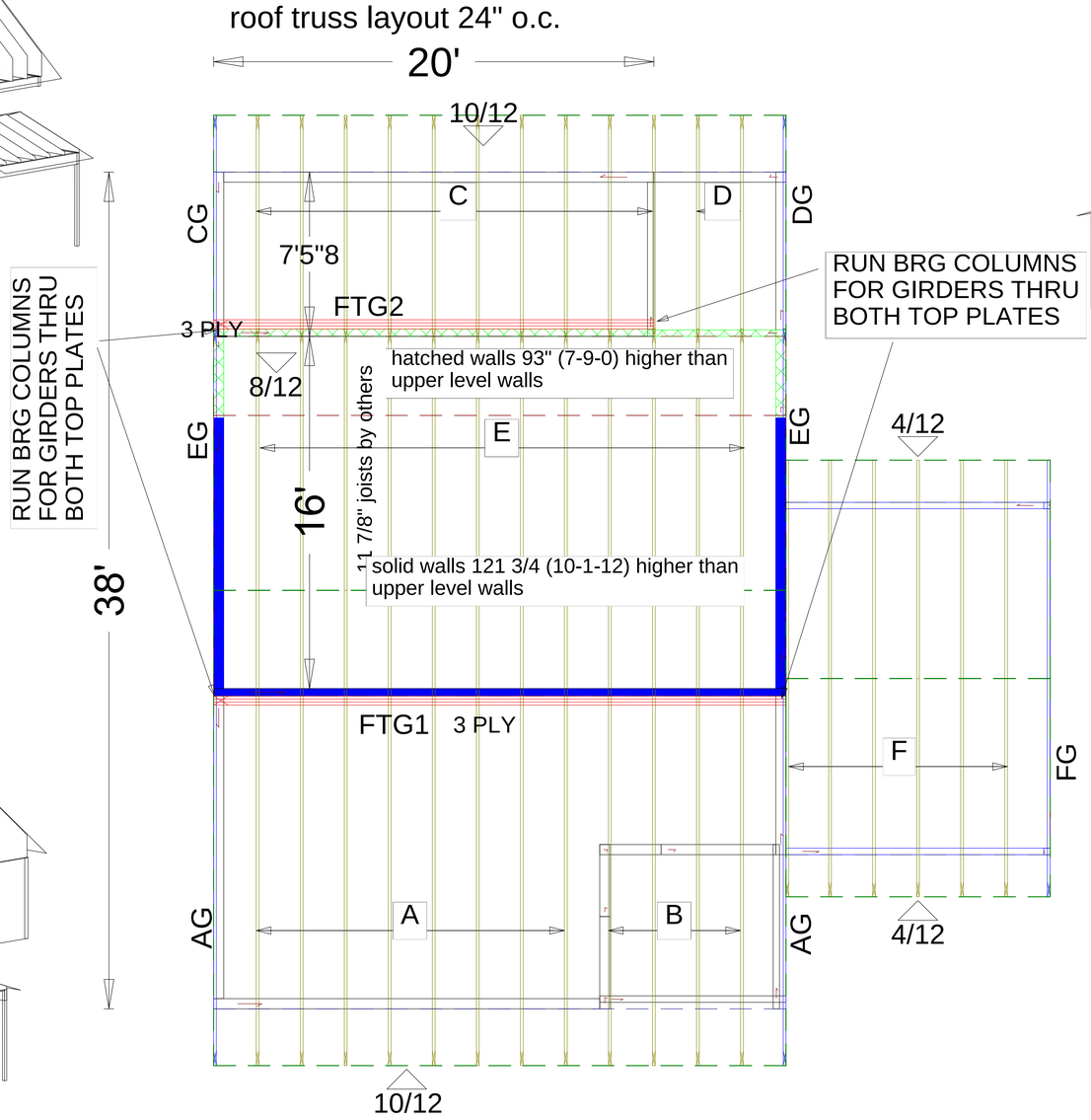
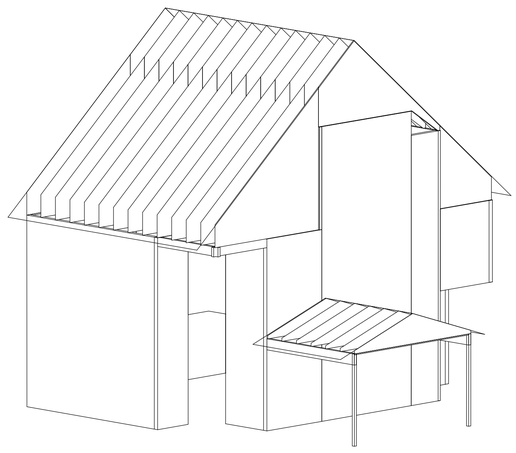
Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 - 1-800-553-2885 - Fax: (989) 386-4979

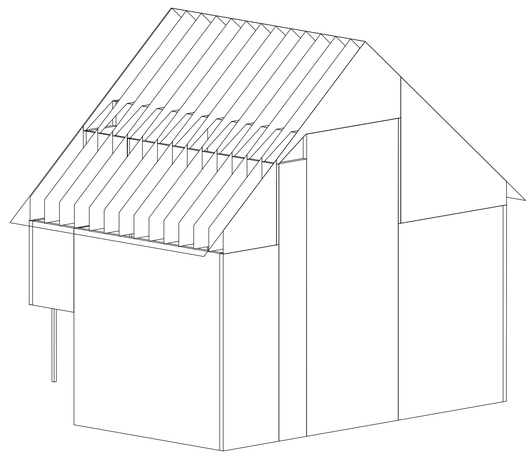




roof truss layout 24" o.c.







Lot: SCHULTZ R
Layout: DCS
Designer: Robert Herron
Contractor: BOS
Customer: RYCENGA BLDG CTR
Address: 17270 Sheldon Dunes Dr

JOB NO:
88446

PAGE NO:
1 OF 1

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / A 14'2"8 10/12 Mono — 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 :W1 2x6 SPF 1650f-1.5E:
:W4, W5 2x4 SPF #3:
:Rt Bearing Leg 2x6 SPF Stud:

Left end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

90 mph wind, 26.02 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Unbalanced snow loads have not been considered.

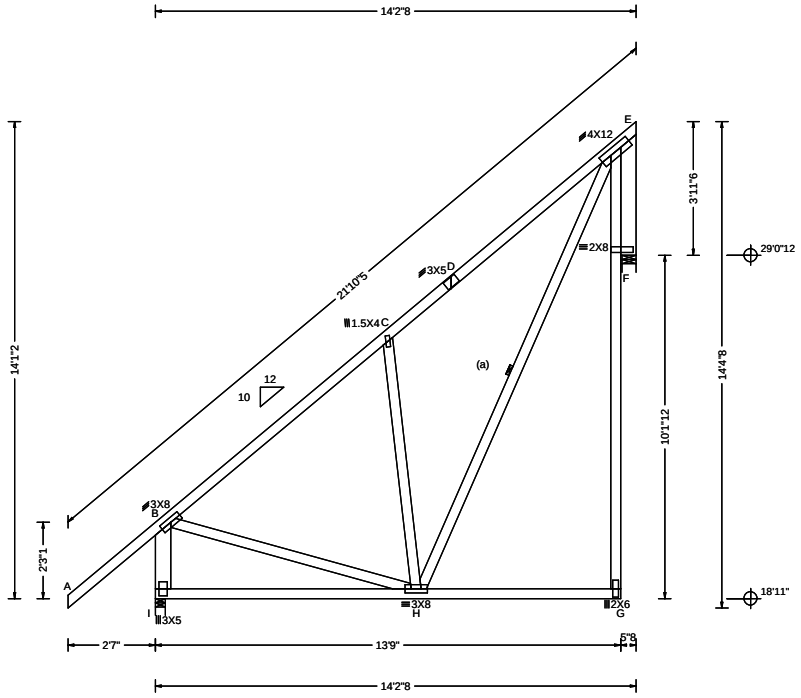
(a) Continuous lateral restraint equally spaced on member.

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	75	0.00	13.75

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 3'4"6

RIGHT RAKE = 7"3

DESC = A 14'2"8 10/12 Mono

PLT TYP. WAVE

DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0)

PLY= 1 QTY= 12

REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
I	1140	/ -	/ 292	/ -	/ 650	/ 3.5
F	952	/ 503	/ 386	/ -	/ -	/ 5.0

Wind reactions based on MWFRS
I Min Brg Width Req = 1.8
F Min Brg Width Req = 5.0
Bearing F is a rigid surface.
Bearing I Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	171	0	C - D	106	- 745
B - C	0	- 803	D - E	141	- 622

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	260	- 675	H - G	19	- 12

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	59	- 1078	F - G	130	0
B - H	455	- 56	E - F	130	0
C - H	496	- 680	E - F	712	- 1180
H - E	879	- 534			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446
TC DL	7.00 PSF	DATE - 11/11/15
BC DL	10.00 PSF	A 14'2"8 10/12 Mono
BC LL	0.00 PSF	
TOT. LD	57.00 PSF	WEIGHT =126.0
DUR. FAC	1.15	SEQ - 114850
SPACING	24.0 "	TYPE SPEC

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / AG 14'2"8 10/12 Gable — This dwg. prepared by the ITW job designer program from truss mfr's layout.

Top chord 2x4 SPF 1650f-1.5E :T2 2x4 SPF #1/#2:
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF Stud :W1 2x6 SPF 1650f-1.5E:
:W4 2x4 SPF #1/#2: :W5, C12 2x4 SPF #3:
:Rt Bearing Leg 2x6 SPF Stud:

Left end vertical not exposed to wind pressure.

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

All plates are 1.5X3 except as noted.

90 mph wind, 26.02 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

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	80	0.00	13.75

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

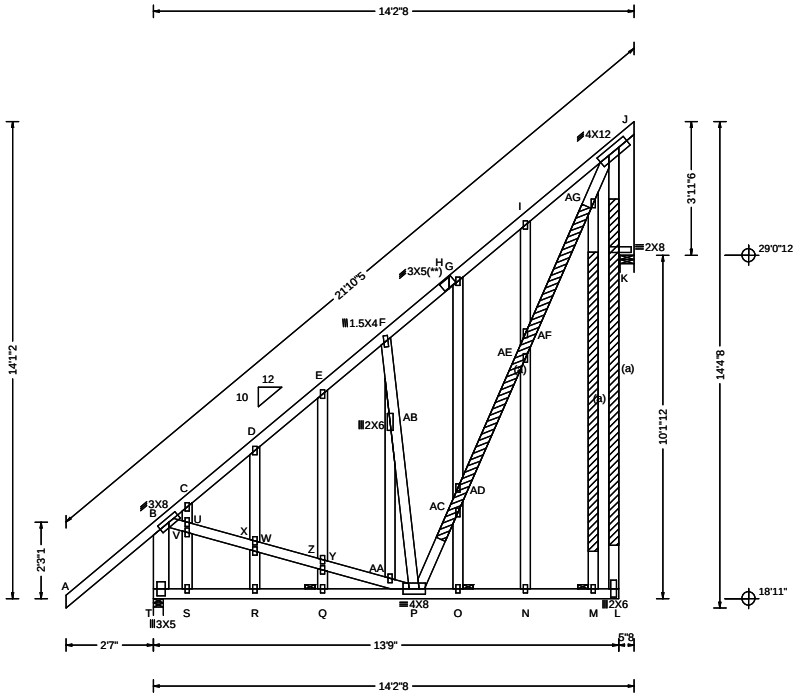
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Truss designed to support 1-0-0 top chord outlookers and 3.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched.

See DWG GBLLETIN1014 for gable wind bracing requirements.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Unbalanced snow loads have not been considered.



LEFT RAKE = 3'4"6 RIGHT RAKE = 7"3

DESC = AG 14'2"8 10/12 Gable

PLT TYP. WAVE DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) **PLY= 1 QTY= 2** REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
T	1323	/ -	/ 318	/ -	/ 731	/ 3.5
K	1068	/ 576	/ 424	/ -	/ -	/ 5.0

Wind reactions based on MWFRS
T Min Brg Width Req = 2.1
K Min Brg Width Req = 5.0
Bearing K is a rigid surface.
Bearing T Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	197	0	F - G	33	- 760
B - C	0	- 955	G - H	34	- 585
C - D	0	- 804	H - I	134	- 725
D - E	0	- 759	I - J	246	- 679
E - F	0	- 662			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	293	- 774	P - O	13	- 6
S - R	293	- 774	O - N	13	- 6
R - Q	293	- 774	N - M	13	- 6
Q - P	293	- 774	M - L	13	- 6

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	110	- 1273	P -AC	1044	- 656
B - U	499	- 90	AD-AE	1018	- 642
V - W	537	- 64	AF-AG	1099	- 680
X - Y	503	- 77	AG- J	1071	- 659
Z -AA	502	- 79	K - L	132	- 47
F -AB	264	- 498	J - K	132	- 47
AA- P	524	- 70	J - K	585	- 1106
AB- P	317	- 600			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	AG 14'2"8 10/12 Gable	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =203.3	
DUR. FAC	1.15	SEQ - 114857	
SPACING	24.0 "	TYPE GABL	

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - U	144	- 173	AA-AB	108	- 56
S - V	86	- 92	AC- O	151	- 274
D - W	128	- 187	H -AD	140	- 247
R - X	71	- 69	AE- N	100	- 133
E - Y	90	- 111	I -AF	144	- 225
Q - Z	95	- 115	AG- M	24	- 31

DESC = AG 14'2"8 10/12 Gable

PLT TYP. WAVE DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) **PLY= 1 QTY= 2** REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446
TC DL	7.00 PSF	DATE - 11/11/15
BC DL	10.00 PSF	AG 14'2"8 10/12 Gable
BC LL	0.00 PSF	
TOT. LD	57.00 PSF	WEIGHT =203.3
DUR. FAC	1.15	SEQ - 114857
SPACING	24.0 "	TYPE GABL

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / C 7'1"8 10/12 Mono — 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
:Rt Bearing Leg 2x6 SPF Stud:

Left end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

90 mph wind, 23.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

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

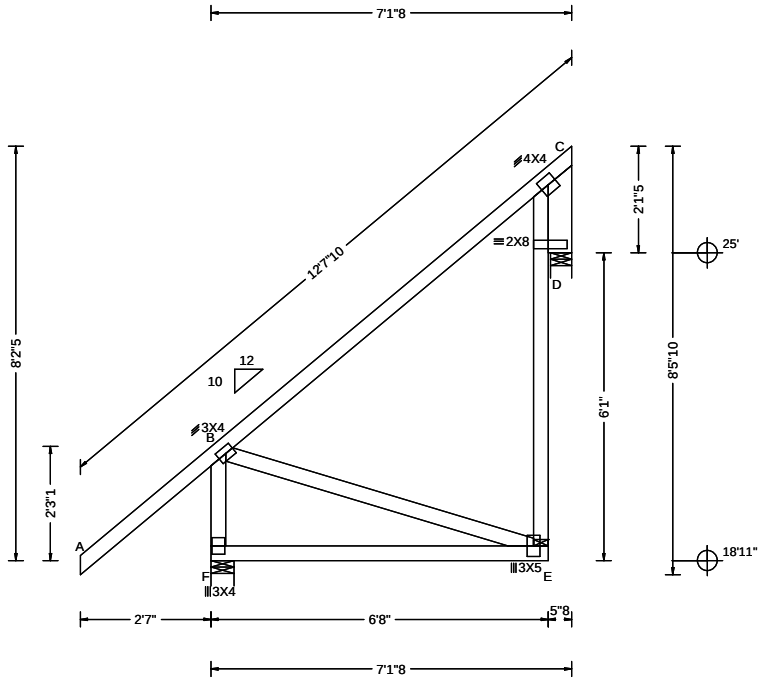
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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	80	0.00	6.67

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

Unbalanced snow loads have not been considered.



LEFT RAKE = 3'4"6 RIGHT RAKE = 7"3

DESC = C 7'1"8 10/12 Mono

PLT TYP. WAVE DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) **PLY= 1 QTY= 10** REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F	720	/ -	/ 210	/ -	/ 339	/ 5.5
D	381	/ 271	/ 202	/ -	/ -	/ 5.0

Wind reactions based on MWFRS
F Min Brg Width Req = 1.5
D Min Brg Width Req = 5.0
Bearing D is a rigid surface.
Bearing F Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	171	0	B - C	153	- 267

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	179	- 464

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	108	- 650	C - D	132	- 90
B - E	461	- 176	C - D	680	- 803
D - E	132	- 90			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	C 7'1"8 10/12 Mono	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =56.6	
DUR. FAC	1.15	SEQ - 114862	
SPACING	24.0 "	TYPE SPEC	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / CG 7'1"8 10/12 Gable — This dwg. prepared by the ITW job designer program from truss mfr's layout.

Top chord 2x4 SPF 1650f-1.5E
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF Stud
:Rt Bearing Leg 2x6 SPF Stud:

Left end vertical not exposed to wind pressure.

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	80	0.00	6.67

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

All plates are 1.5X3 except as noted.

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

See DWG GBLLETIN1014 for gable wind bracing requirements.

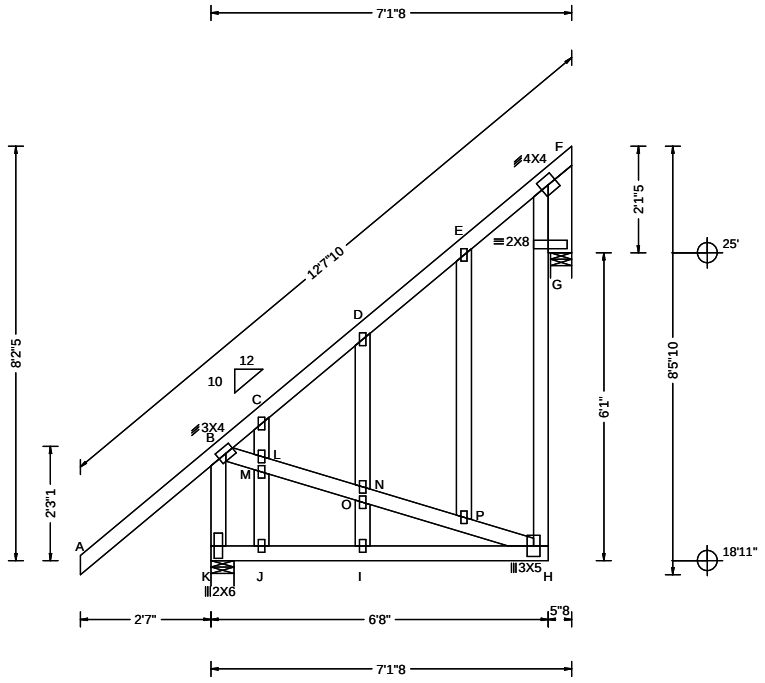
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Unbalanced snow loads have not been considered.

90 mph wind, 23.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Truss designed to support 1-0-0 top chord outlookers and 3.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 3'4"6 RIGHT RAKE = 7"3

DESC = CG 7'1"8 10/12 Gable

PLT TYP. WAVE DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) **PLY= 1 QTY= 1** REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
K	829	/ 55	/ 232	/ -	/ 603	/ 5.5
G	456	/ 504	/ 223	/ -	/ -	/ 5.0

Wind reactions based on MWFRS
K Min Brg Width Req = 1.5
G Min Brg Width Req = 5.0
Bearing G is a rigid surface.
Bearing K Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	197	0	D - E	59	- 229
B - C	60	- 326	E - F	136	- 156
C - D	85	- 382			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	200	- 607	I - H	200	- 607
J - I	200	- 607			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - K	170	- 796	P - H	635	- 209
B - L	630	- 219	G - H	167	- 267
M - N	592	- 187	F - G	167	- 267
O - P	609	- 200	F - G	635	- 687

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - L	184	- 239	I - O	180	- 139
J - M	97	- 131	E - P	89	- 92
D - N	222	- 218			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	CG 7'1"8 10/12 Gable	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =73.5	
DUR. FAC	1.15	SEQ - 114865	
SPACING	24.0 "	TYPE GABL	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / D 7'1"8 10/12 Mono

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

Top chord 2x4 SPF 1650f-1.5E
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF Stud

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord overhangs have been checked only for loads as indicated. Overhangs not checked for man load.

90 mph wind, 23.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

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

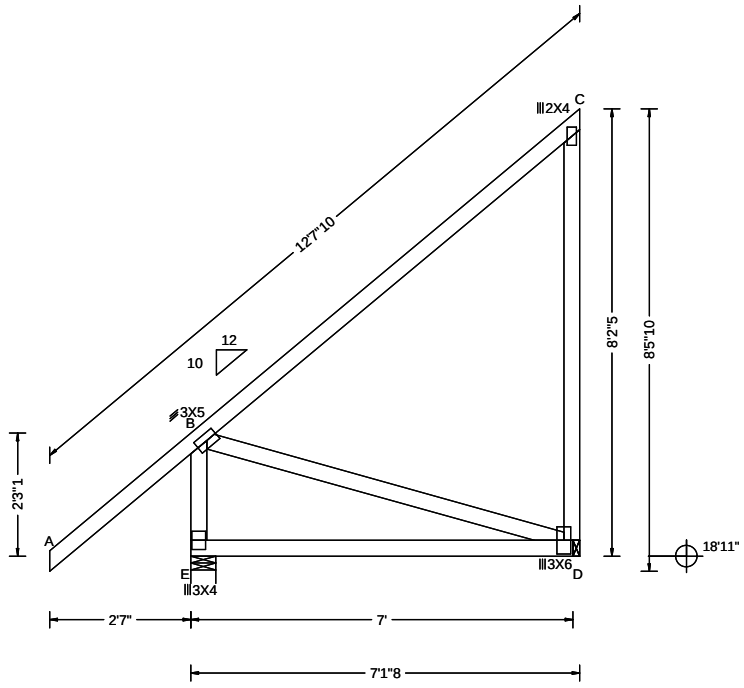
Unbalanced snow loads have not been considered.

End verticals not exposed to wind pressure.

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	84	0.00	7.00

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



LEFT RAKE = 3'4"6

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
E	730	/ -	/ 213	/ -	/ 339	/ 5.5
D	379	/ 259	/ 200	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
E Min Brg Width Req = 1.5
D Min Brg Width Req = -
Bearing E Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	171	0	B - C	194	- 254

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	186	- 476

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	116	- 657	D - C	238	- 300
B - D	498	- 195			

DESC = D 7'1"8 10/12 Mono

PLT TYP. WAVE

DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0)

PLY= 1 QTY= 2

REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	D 7'1"8 10/12 Mono	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =51.8	
DUR. FAC	1.15	SEQ - 114867	
SPACING	24.0 "	TYPE MONO	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / DG 7'1"8 10/12 Gable — This dwg. prepared by the ITW job designer program from truss mfr's layout.

Top chord 2x4 SPF 1650f-1.5E
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF Stud

End verticals not exposed to wind pressure.

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

All plates are 1.5X3 except as noted.

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

See DWG GBLLETIN1014 for gable wind bracing requirements.

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	83	0.00	7.00

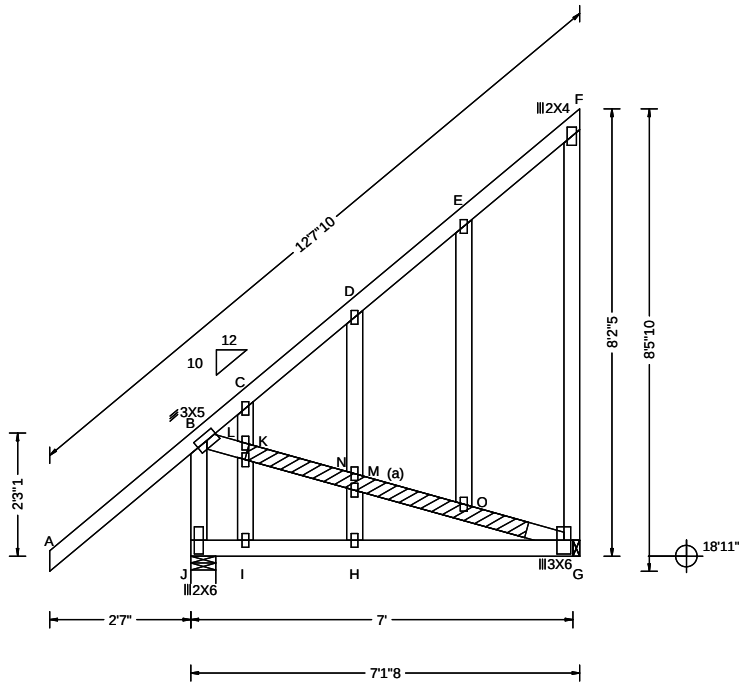
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

90 mph wind, 23.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Truss designed to support 1-0-0 top chord outlookers and 3.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Unbalanced snow loads have not been considered.



LEFT RAKE = 3'4"6

DESC = DG 7'1"8 10/12 Gable

PLT TYP. WAVE — DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) — **PLY= 1 QTY= 1** — REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
J	841	/ 68	/ 234	/ -	/ 603	/ 5.5
G	455	/ 485	/ 220	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
J Min Brg Width Req = 1.5
G Min Brg Width Req = -
Bearing J Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	197	0	D - E	69	- 251
B - C	66	- 306	E - F	150	- 141
C - D	94	- 404			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	204	- 615	H - G	204	- 615
I - H	204	- 615			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	175	- 796	N - O	627	- 208
B - K	655	- 230	O - G	667	- 224
L - M	619	- 200	G - F	189	- 230

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - K	198	- 243	H - N	218	- 184
I - L	118	- 139	E - O	148	- 172
D - M	223	- 218			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	DG 7'1"8 10/12 Gable	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =70.1	
DUR. FAC	1.15	SEQ - 114870	
SPACING	24.0 "	TYPE GABL	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / E 16'8" 10/8 DLSci

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

Top chord 2x4 SPF 1650f-1.5E :T2 2x4 SPF #1/#2:
Bot chord 2x4 SPF 2100f-1.8E :B2 2x4 SPF 1650f-1.5E:
Webs 2x4 SPF Stud :W4, W5 2x4 SPF #3:

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	54	0.15	3.93
BC	83	3.93	16.67

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

90 mph wind, 32.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

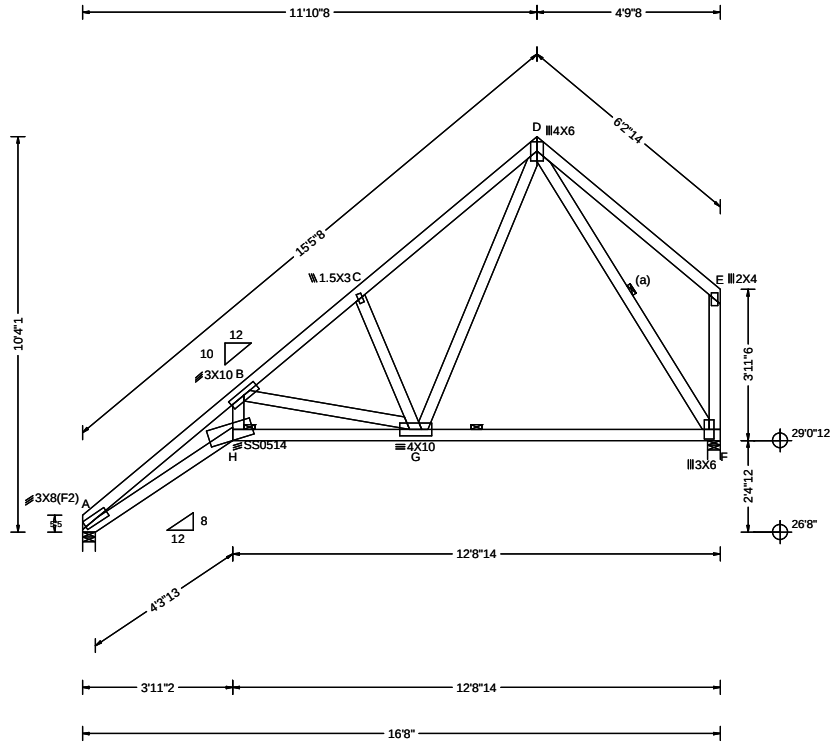
Calculated horizontal deflection is 0.20" due to live load and 0.13" due to dead load.

(a) Continuous lateral restraint equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Truss designed for unbalanced snow load based on Pg=50.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=38.50 psf.



▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	1046	/ 187	/ 236	/ -	/ 314	/ 4.0
F	1084	/ 303	/ 278	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
F Min Brg Width Req = 1.7
Bearings A & F Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1282	- 3683	C - D	519	- 1368
B - C	390	- 1428	D - E	163	- 223

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	3124	- 1385	G - F	467	- 102
H - G	2393	- 1055			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	1600	- 668	G - D	1163	- 422
B - G	685	- 1347	D - F	179	- 828
C - G	326	- 447	E - F	194	- 314

DESC = E 16'8" 10/8 DLSci

PLT TYP. WAVE | DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) | **PLY= 1 QTY= 12** | REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	E 16'8" 10/8 DLSci	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =99.9	
DUR. FAC	1.15	SEQ - 114841	
SPACING	24.0 "	TYPE SCIS	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / EG 16'8" 10/8 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

Truss designed to support 1-0-0 top chord outlookers and 3.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

All plates are 1.5X3 except as noted.

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

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Truss designed for unbalanced snow load based on Pg=50.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=38.50 psf.

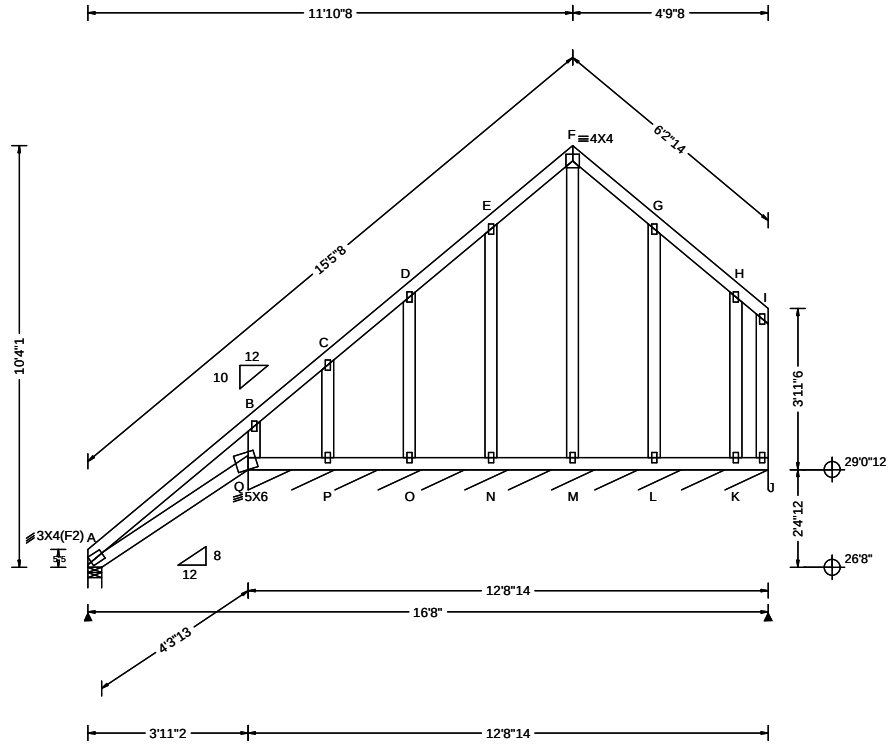
90 mph wind, 32.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

See DWG GBLLETIN1014 for gable wind bracing requirements.

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	54	0.15	3.93
BC	120	3.93	16.67

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



DESC = EG 16'8" 10/8 Gable

PLT TYP. WAVE

DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0)

PLY= 1 QTY= 2

REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	219	/ 122	/ 241	/ -	/ 354	/ 4.0
Q*	162	/ 774	/ 674	/ -	/ -	/ 152

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
Q Min Brg Width Req = -
Bearing Q is a rigid surface.
Bearing A Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	299	- 373	E - F	248	- 112
B - C	197	- 234	F - G	248	- 131
C - D	182	- 188	G - H	131	- 79
D - E	172	- 148	H - I	52	- 12

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	46	- 38	N - M	6	- 10
Q - P	13	- 7	M - L	6	- 10
P - O	7	- 5	L - K	2	- 4
O - N	4	- 8	K - J	1	- 1

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	333	- 426	I - J	3	- 17

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - P	109	- 158	F - M	87	- 243
D - O	184	- 255	L - G	204	- 417
E - N	194	- 313	K - H	131	- 211

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	EG 16'8" 10/8 Gable	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =109.5	
DUR. FAC	1.15	SEQ - 114860	
SPACING	24.0 "	TYPE GABL	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / F 16' 4/12 Common — 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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

90 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

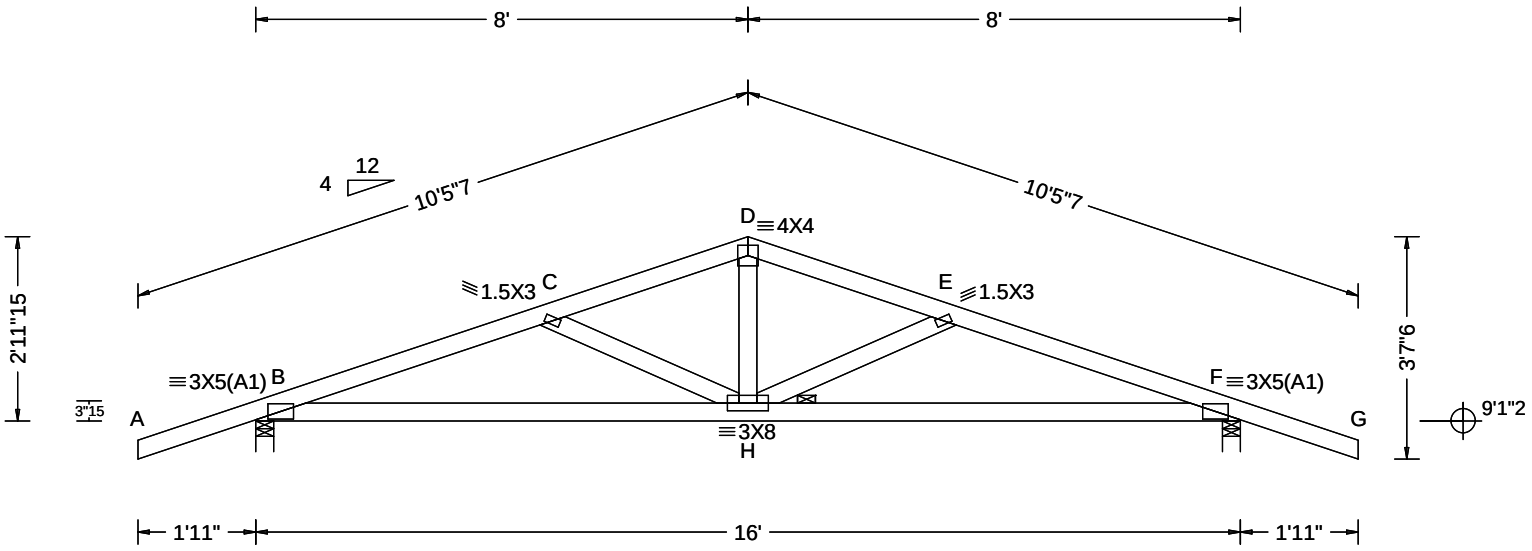
Wind loads and reactions based on MWFRS with additional C&C member design.

Truss designed for unbalanced snow load based on Pg=50.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=38.50 psf.

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	15.85

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



LEFT RAKE = 2'0"4

RIGHT RAKE = 2'0"4

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	1108	/ 143	/ 281	/ -	/ 86	/ 3.5
F	1108	/ 143	/ 281	/ -	/ -	/ 3.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.7
F Min Brg Width Req = 1.7
Bearings B & F Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	60	0	D - E	466	-1407
B - C	634	-1847	E - F	634	-1847
C - D	466	-1407	F - G	60	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1693	-504	H - F	1693	-513

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	270	-567	H - E	270	-567
D - H	560	-90			

DESC = F 16' 4/12 Common

PLT TYP. WAVE — DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) — **PLY= 1 QTY= 6** — REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	F 16' 4/12 Common	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =70.7	
DUR. FAC	1.15	SEQ - 114831	
SPACING	24.0 "	TYPE COMN	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / FG 16' 4/12 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

Truss designed to support 1-0-0 top chord outlookers and 3.00 PSF cladding load one face, and 24.0" span on opposite face. Top chord must not be cut or notched.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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	15.85

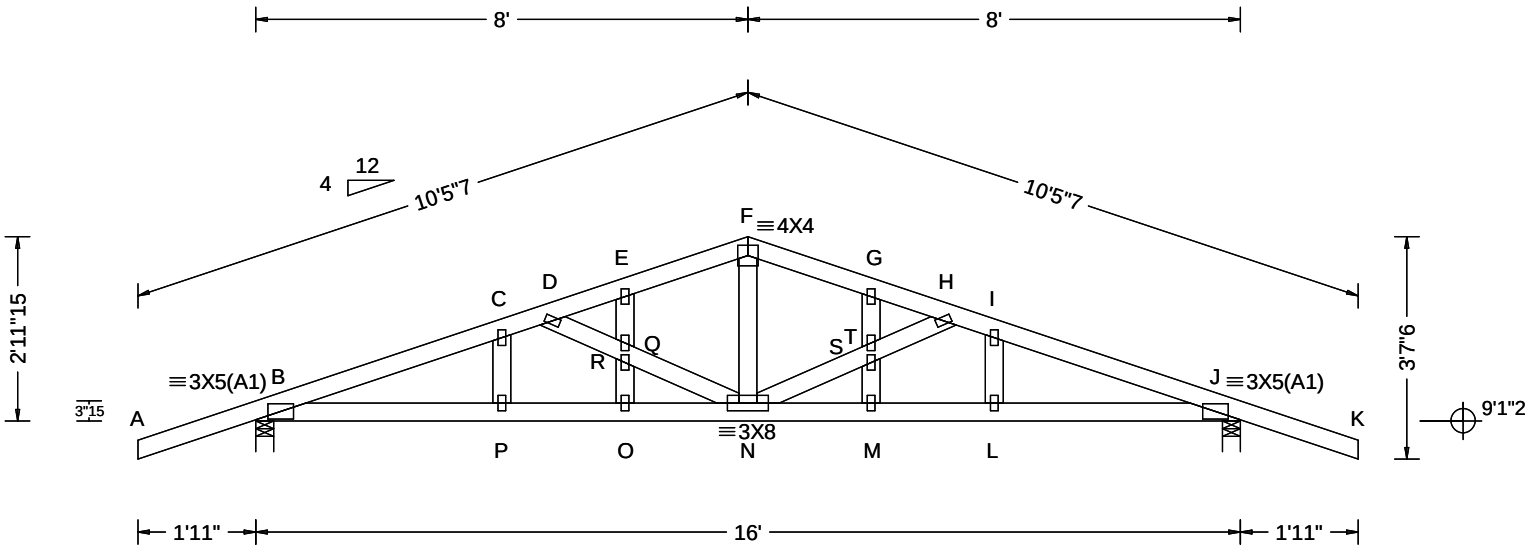
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

90 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

See DWG GBLLETIN1014 for gable wind bracing requirements.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-09 section 1607.

Truss designed for unbalanced snow load based on Pg=50.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=38.50 psf.



LEFT RAKE = 2'0"4

RIGHT RAKE = 2'0"4

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	1211	/ 173	/ 304	/ -	/ 97	/ 3.5
J	1211	/ 173	/ 304	/ -	/ -	/ 3.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.9
J Min Brg Width Req = 1.9
Bearings B & J Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	69	0	F - G	586	-1483
B - C	691	-2019	G - H	565	-1515
C - D	707	-1915	H - I	706	-1915
D - E	565	-1515	I - J	691	-2019
E - F	586	-1483	J - K	69	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	1844	-552	N - M	1843	-561
P - O	1843	-551	M - L	1843	-561
O - N	1843	-551	L - J	1844	-562

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - Q	215	-620	N - S	234	-654
R - N	235	-654	T - H	215	-620
F - N	577	-189			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C - P	93	-33	S - M	77	0
Q - E	80	-59	G - T	80	-59
O - R	77	0	L - I	93	-33

DESC = FG 16' 4/12 Gable

PLT TYP. WAVE — DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) — **PLY= 1 QTY= 1** — REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	FG 16' 4/12 Gable	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =81.9	
DUR. FAC	1.15	SEQ - 114834	
SPACING	24.0 "	TYPE GABL	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / FTG1 26' Flat Girder — This dwg. prepared by the ITW job designer program from truss mfr's layout.

Top chord 2x6 SP 2700f-2.0E
Bot chord 2x4 SPF #1/#2 :B1, B5 2x10 SP 2400f-2.0E:
Webs 2x4 SPF 2100f-1.8E :W1, W13 2x6 SP 2700f-2.0E:
:W4, W6, W8, W10 2x4 SPF #1/#2:

(**) 6 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS.

Max JT VERT DEFL: LL: 0.22" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations. Roofs incorporating this truss require consideration for ponding design by Building Designer.

Nail Schedule:0.131"x3", min. nails
Top Chord: 2 Rows @ 6.00" o.c. (Each Row)
Bot Chord: 1 Row @ 1.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

Brg blocks:0.131"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate	
1	0.000'	1	12"	11		Rigid Surface
2	25.542'	1	12"	5		Rigid Surface

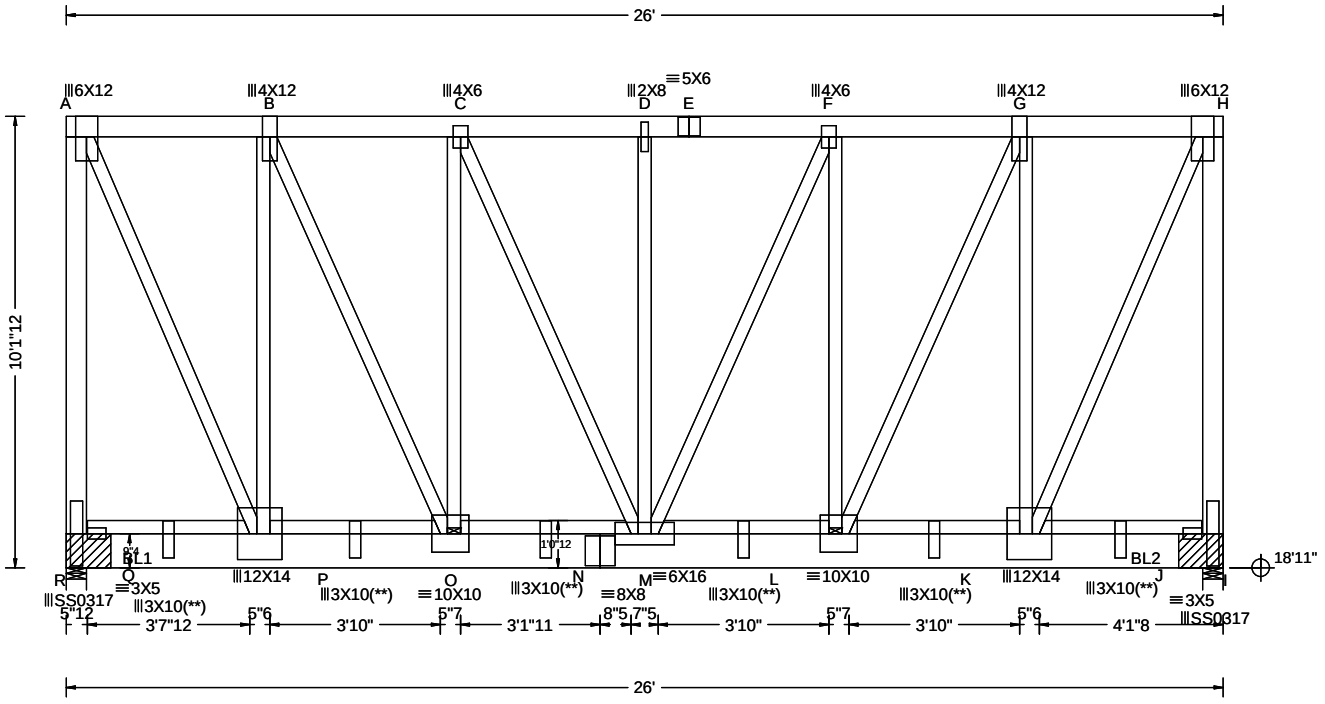
Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

90 mph wind, 29.06 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

* WARNING* A reaction exceeds 20000 lbs.

Unbalanced snow loads have not been considered.

3 Complete Trusses Required



DESC = FTG1 26' Flat Girder

PLT TYP. WAVE — DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) — **PLY= 3 QTY= 1** — REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
R	21195	/ 4484	/ -	/ -	/ -	/ 5.5
I	20495	/ 4293	/ -	/ -	/ -	/ 5.5

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	558	- 2658	E - F	968	- 4629
B - C	865	- 4131	F - G	848	- 4066
C - D	968	- 4629	G - H	535	- 2574
D - E	968	- 4629			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	0	0	N - M	42	- 233
Q - R	710	- 710	M - L	4348	- 1108
Q - P	676	- 698	L - K	2895	- 794
P - O	2994	- 829	K - J	665	- 686
O - N	4427	- 1142	J - I	0	0
N - M	4391	- 915	I - J	699	- 699

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	1359	- 6339	M - F	1310	- 279
A - P	6400	- 1343	L - G	3576	- 749
B - O	3517	- 733	F - L	482	- 1751
P - B	882	- 4016	K - H	6199	- 1288
O - C	468	- 1705	G - K	831	- 3828
C - M	1150	- 235	H - I	1297	- 6111
D - M	343	- 669			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL 40.00 PSF	JOB #: 88446
TC DL 7.00 PSF	DATE - 11/11/15
BC DL 10.00 PSF	FTG1 26' Flat Girder
BC LL 0.00 PSF	
TOT. LD 57.00 PSF	WEIGHT =1125.6
DUR. FAC 1.15	SEQ - 114887
SPACING 24.0 "	TYPE FLAT

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / FTG1 26' Flat Girder

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

Special loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC- From 4 plf at 0.00 to 4 plf at 26.00
BC- From 1102 plf at 0.00 to 1102 plf at 0.58
BC- From 1142 plf at 0.58 to 1142 plf at 2.67
BC- From 1102 plf at 2.67 to 1102 plf at 4.67
BC- From 1142 plf at 4.67 to 1142 plf at 6.92
BC- From 1102 plf at 6.92 to 1102 plf at 9.00
BC- From 1142 plf at 9.00 to 1142 plf at 11.17
BC- From 1102 plf at 11.17 to 1102 plf at 14.92
BC- From 1142 plf at 14.92 to 1142 plf at 17.08
BC- From 1102 plf at 17.08 to 1102 plf at 19.17
BC- From 1142 plf at 19.17 to 1142 plf at 21.42
BC- From 1102 plf at 21.42 to 1102 plf at 23.42
BC- From 1142 plf at 23.42 to 1142 plf at 25.50
BC- From 1102 plf at 25.50 to 1102 plf at 26.00
PLT- 1067.58 lb Conc. Load at (0.06,29.02), (25.94,29.02)
PLT- 951.61 lb Conc. Load at (2.00,29.02), (4.00,29.02), (6.00,29.02) (8.00,29.02), (10.00,29.02), (12.00,29.02), (14.00,29.02), (16.00,29.02)
PLT- 666.39 lb Conc. Load at (18.00,29.02), (20.00,29.02), (22.00,29.02) (24.00,29.02)

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	0.00	26.00

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

DESC = FTG1 26' Flat Girder

PLT TYP. WAVE DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0) **PLY= 3 QTY= 1** REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	FTG1 26' Flat Girder	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =1125.6	
DUR. FAC	1.15	SEQ - 114887	
SPACING	24.0 "	TYPE FLAT	

Job:(88446) / -RYCENGA BLDG CTR /SCHULTZ R / FTG2 20' Flat Girder

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

Top chord 2x6 SP 2700f-2.0E
Bot chord 2x4 SPF #1/#2 :B1 2x10 SP 2400f-2.0E:
Webs 2x4 SPF Stud :W1, W11 2x6 SPF 1650f-1.5E:
:W2, W10 2x4 SPF 1650f-1.5E:

Special loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC- From 4 plf at 0.00 to 4 plf at 20.00
BC- From 1083 plf at 0.00 to 1083 plf at 20.00
PLT- 456.45 lb Conc. Load at (0.06,24.96)
PLT- 380.55 lb Conc. Load at (2.00,24.96), (4.00,24.96), (6.00,24.96) (8.00,24.96), (10.00,24.96), (12.00,24.96), (14.00,24.96), (16.00,24.96) (18.00,24.96), (20.00,24.96)

Truss must be installed as shown with top chord up.

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @ 6.75" o.c.
Bot Chord: 1 Row @ 1.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

90 mph wind, 25.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP D, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Brg blocks:0.131"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate	
2	19.708'	1	12"	4		Rigid Surface

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

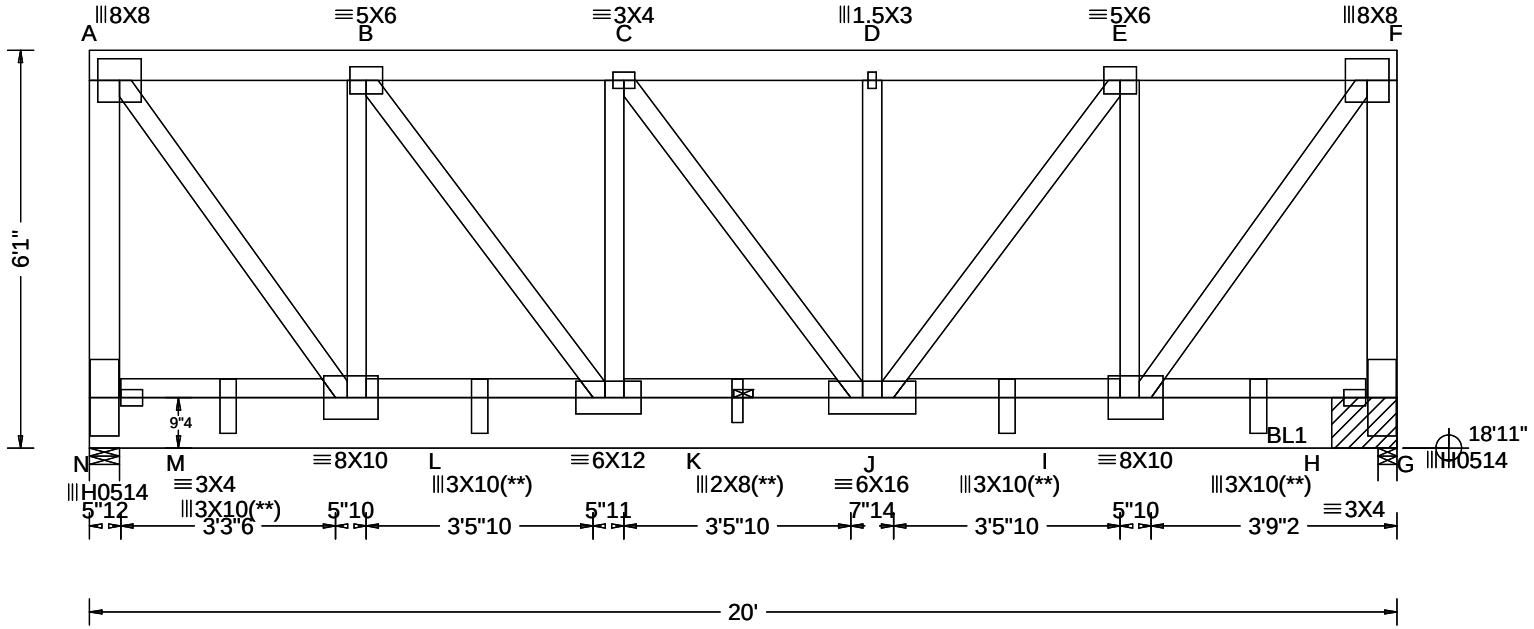
(**) 5 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Unbalanced snow loads have not been considered.

3 Complete Trusses Required



DESC = FTG2 20' Flat Girder

PLT TYP. WAVE

DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0)

PLY= 3 QTY= 1

REV. 15.01.01C.0610.23

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
N	13038	/ 3197	/ -	/ -	/ -	/ 5.5
G	12964	/ 2967	/ -	/ -	/ -	/ 3.5

Wind reactions based on MWFRS
N Min Brg Width Req = 4.7
G Min Brg Width Req = -
Bearing G is a rigid surface.
Bearing N Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	558	- 2521	D - E	818	- 3718
B - C	820	- 3714	E - F	558	- 2522
C - D	818	- 3718			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	0	0	J - I	2858	- 839
M - N	613	- 613	I - H	601	- 624
M - L	603	- 626	H - G	0	0
L - K	2823	- 801	G - H	610	- 610
K - J	3917	- 1021			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	968	- 3671	D - J	158	- 227
A - L	4271	- 946	J - E	1956	- 416
B - K	1981	- 425	I - F	4273	- 945
L - B	551	- 1912	E - I	537	- 1880
C - J	18	- 12	F - G	893	- 3649
K - C	158	- 247			

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	FTG2 20' Flat Girder	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =693.8	
DUR. FAC	1.15	SEQ - 114880	
SPACING	24.0 "	TYPE FLAT	

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

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	0.00	20.00

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

DESC = FTG2 20' Flat Girder

PLT TYP. WAVE

DESIGN CRIT=IBC 2009 /TPI-2007 FT/RT=3%(0%)/0(0)

PLY= 3 QTY= 1

REV. 15.01.01C.0610.23

Letherer Truss and Wall Systems Inc.
851 Industrial Court • Clare, Michigan 48617 • www.letherer.com
(989) 386-4999 • 1-800-553-2885 • Fax: (989) 386-4979

TC LL	40.00 PSF	JOB #: 88446	
TC DL	7.00 PSF	DATE - 11/11/15	
BC DL	10.00 PSF	FTG2 20' Flat Girder	
BC LL	0.00 PSF		
TOT. LD	57.00 PSF	WEIGHT =693.8	
DUR. FAC	1.15	SEQ - 114880	
SPACING	24.0 "	TYPE FLAT	