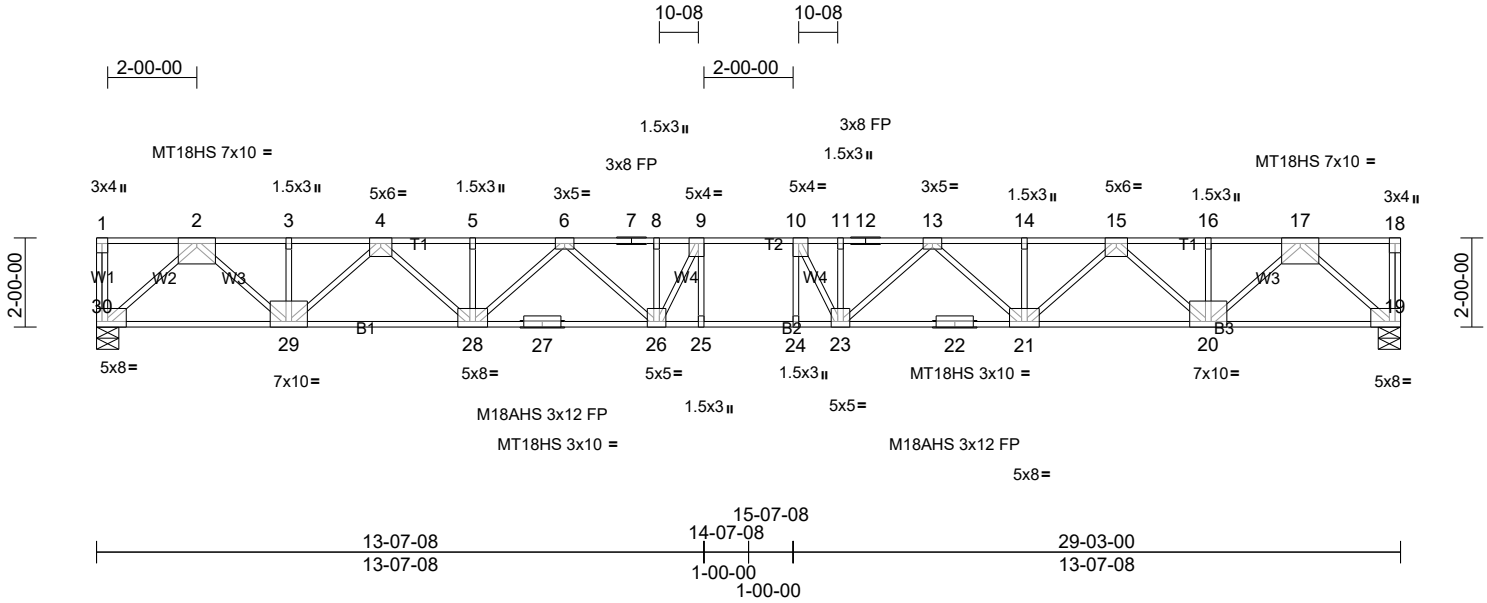


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
22062209BR-Field	F01	Floor	23	1	

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Loading	(psf)	Spacing	1-04-00	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	100.0	Plate Grip DOL	1.00	TC	0.94	Vert(LL)	-0.86	24-25	>406	360	M18AHS 186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.99	24-25	>353	240	MT20 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.18	19	n/a	n/a	MT18HS 244/190
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 171 lb FT = 20%F, 12%E

LUMBER
 TOP CHORD 2x4 SP SS(flat) *Except* 7-12:2x4 SP 2700F 2.2E(flat)
 BOT CHORD 2x4 SP 2850F 2.3E(flat) *Except* 30-27:2x4 SP SS(flat)
 WEBS 2x4 SP No.3(flat) *Except* 29-2,20-17:2x4 SP No.2(flat)

5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
REACTIONS (size) 19=6-00, (min. 1-08), 30=6-00, (min. 1-08)
 Max Grav 19=2223 (LC 1), 30=2223 (LC 1)

LOAD CASE(S) Standard

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-4272/0, 3-4=-4272/0, 4-5=-7051/0, 5-6=-7051/0, 6-7=-8429/0, 7-8=-8429/0, 8-9=-8429/0, 9-10=-8561/0, 10-11=-8429/0, 11-12=-8429/0, 12-13=-8429/0, 13-14=-7049/0, 14-15=-7049/0, 15-16=-4271/0, 16-17=-4271/0
 BOT CHORD 29-30=0/2363, 28-29=0/5832, 27-28=0/7917, 26-27=0/7917, 25-26=0/8561, 24-25=0/8561, 23-24=0/8561, 22-23=0/7918, 21-22=0/7918, 20-21=0/5833, 19-20=0/2363
 WEBS 9-25=-446/455, 10-24=-447/455, 2-30=-3151/0, 2-29=0/2581, 3-29=-288/0, 4-29=-2107/0, 4-28=0/1648, 5-28=-300/0, 6-28=-1171/0, 6-26=0/880, 8-26=-471/303, 9-26=-1270/751, 17-19=-3152/0, 17-20=0/2579, 16-20=-286/0, 15-20=-2110/0, 15-21=0/1644, 14-21=-297/0, 13-21=-1174/0, 13-23=0/879, 11-23=-469/304, 10-23=-1270/752

NOTES
 1) Unbalanced floor live loads have been considered for this design.
 2) All plates are MT20 plates unless otherwise indicated.
 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 4) The Fabrication Tolerance at joint 27 = 12%, joint 22 = 12%

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

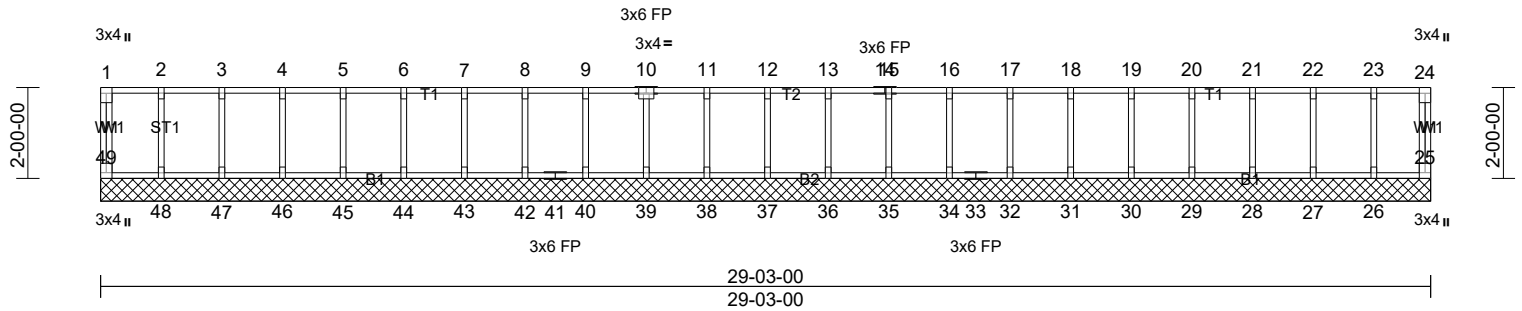


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
22062209BR-Field	F01GE	Floor Supported Gable	1	1	

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Loading	(psf)	Spacing	2-00-00	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	100.0	Plate Grip DOL	1.00	TC	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	Horiz(TL)	0.00	25	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							

Weight: 152 lb FT = 20%F, 12%E

LUMBER
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 29-03-00.
 (lb) - Max Grav All reactions 250 (lb) or less at joint
 (s) 25, 49 except 26=287 (LC 1),
 27=312 (LC 1), 28=306 (LC 1),
 29=308 (LC 1), 30=307 (LC 1),
 31=307 (LC 1), 32=307 (LC 1),
 34=307 (LC 1), 35=307 (LC 1),
 36=307 (LC 1), 37=307 (LC 1),
 38=307 (LC 1), 39=307 (LC 1),
 40=307 (LC 1), 42=307 (LC 1),
 43=307 (LC 1), 44=307 (LC 1),
 45=307 (LC 1), 46=307 (LC 1),
 47=309 (LC 1), 48=301 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-48=-289/0, 3-47=-295/0, 4-46=-293/0,
 5-45=-293/0, 6-44=-293/0, 7-43=-293/0,
 8-42=-293/0, 9-40=-293/0, 10-39=-293/0,
 11-38=-293/0, 12-37=-293/0, 13-36=-293/0,
 15-35=-293/0, 16-34=-293/0, 17-32=-293/0,
 18-31=-293/0, 19-30=-293/0, 20-29=-294/0,
 21-28=-292/0, 22-27=-298/0, 23-26=-278/0

NOTES
 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 2) Gable requires continuous bottom chord bearing.
 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 4) Gable studs spaced at 1-4-0 oc.
 5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



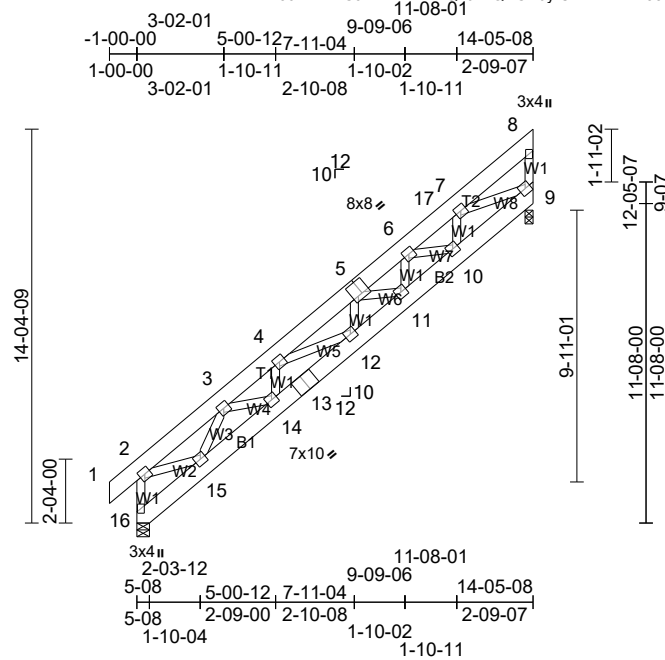
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
22062209BR-Field	T1S	Monopitch	50	1	

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Loading	(psf)	Spacing	2-00-00	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	Vert(LL)	0.02	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	11.5/15.0	Lumber DOL	1.25	BC	Vert(CT)	-0.03	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS							
BCDL	10.0										
											Weight: 157 lb FT = 20%

LUMBER	
TOP CHORD	2x8 SP 2400F 2.0E
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP 2700F 2.2E
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10'-0-0 oc bracing, Except: 6'-0-0 oc bracing: 15-16.
REACTIONS (size)	
	9=3-08, (min. 1-08), 16=5-08, (min. 1-08)
	Max Horiz 16=236 (LC 14)
	Max Uplift 9=133 (LC 14)
	Max Grav 9=581 (LC 28), 16=638 (LC 2)
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-16=-615/127, 2-3=-704/135, 3-4=-1192/221, 4-5=-1321/246, 5-6=-1141/223, 6-17=-800/142, 7-17=-757/150
BOT CHORD	15-16=-318/221, 14-15=-423/940, 13-14=-439/1235, 12-13=-432/1254, 11-12=-401/1335, 10-11=-319/1157, 9-10=-219/840
WEBS	7-9=-608/166, 3-15=-534/97, 2-15=-47/478, 3-14=-7/251, 6-10=-265/85, 7-10=-53/288

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 11.5 psf on overhangs non-concurrent with other live loads.
- All plates are 5x5 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 9 SP 2400F 2.0E crushing capacity of 805 psi.
- Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 9.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 9.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

NOTES

- This truss has been checked for uniform roof live load only, except as noted.
- Wind: ASCE 7-16; Vult=100mph (3-second gust)
Vasd=79mph; TCDL=5.0psf; BCDL=5.0psf; h=24ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 11-3-12, Exterior(2E) 11-3-12 to 14-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=11.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

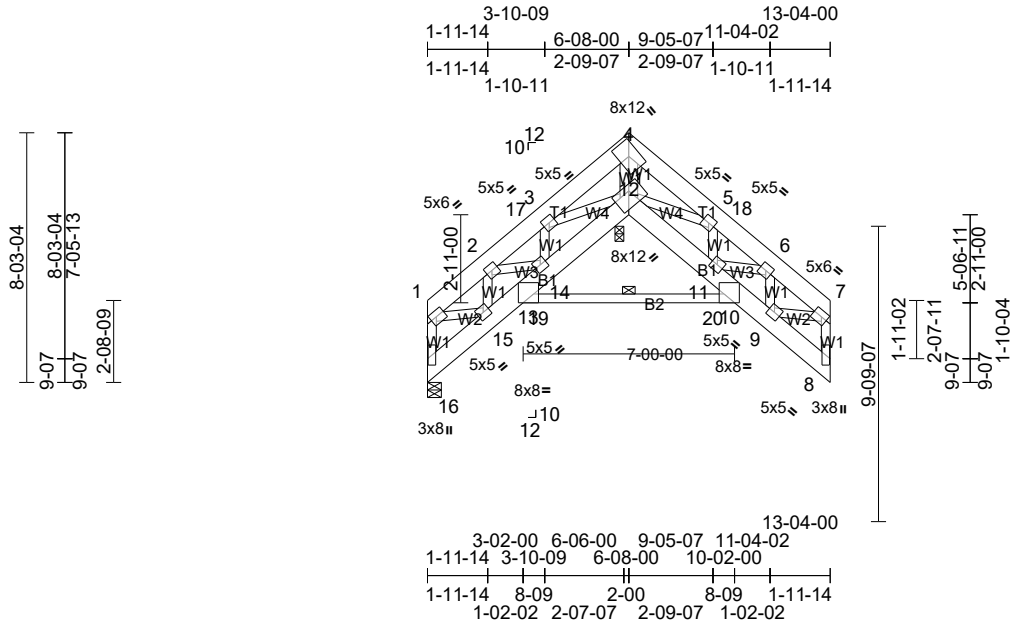


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
22062209BR-Field	T1SSCAB	Monopitch	50	1	

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Loading	(psf)	Spacing	2-00-00	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	Vert(LL)	0.10	10-13	>755	240	MT20	244/190
Snow (Pf/Pg)	11.5/15.0	Lumber DOL	1.25	BC	Vert(CT)	-0.17	10-13	>457	180		
TCDL	10.0	Rep Stress Incr	YES	WB	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS							
BCDL	10.0									Weight: 157 lb	FT = 20%

LUMBER
 TOP CHORD 2x8 SP 2400F 2.0E
 BOT CHORD 2x8 SP 2400F 2.0E *Except* 13-10:2x4 SP No.2
 WEBS 2x4 SP 2700F 2.2E

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 6-0-0 oc bracing: 10-13

REACTIONS (size) 12=3-08, (min. 1-08), 16=5-08, (min. 1-08)
 Max Horiz 16=-73 (LC 12)
 Max Uplift 16=-79 (LC 21)
 Max Grav 12=1041 (LC 2), 16=79 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-86/250, 3-17=-75/279, 3-4=-187/485, 4-12=-712/266, 4-5=-187/485
 BOT CHORD 13-14=-107/355, 12-14=-74/315, 11-12=-106/285, 10-11=-156/318, 13-19=-350/201, 19-20=-350/201, 10-20=-350/201

- All plates are 5x5 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - All bearings are assumed to be SP 2400F 2.0E crushing capacity of 805 psi.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 16.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12, 16.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- This truss has been checked for uniform roof live load only, except as noted.
 - Wind: ASCE 7-16; Vult=100mph (3-second gust) Vasd=79mph; TCDL=5.0psf; BCDL=5.0psf; h=24ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 7-11-4 to 10-11-4, Interior (1) 10-11-4 to 11-5-8, Exterior(2R) 11-5-8 to 17-2-15, Interior (1) 17-2-15 to 17-11-12, Exterior(2E) 17-11-12 to 20-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=11.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.