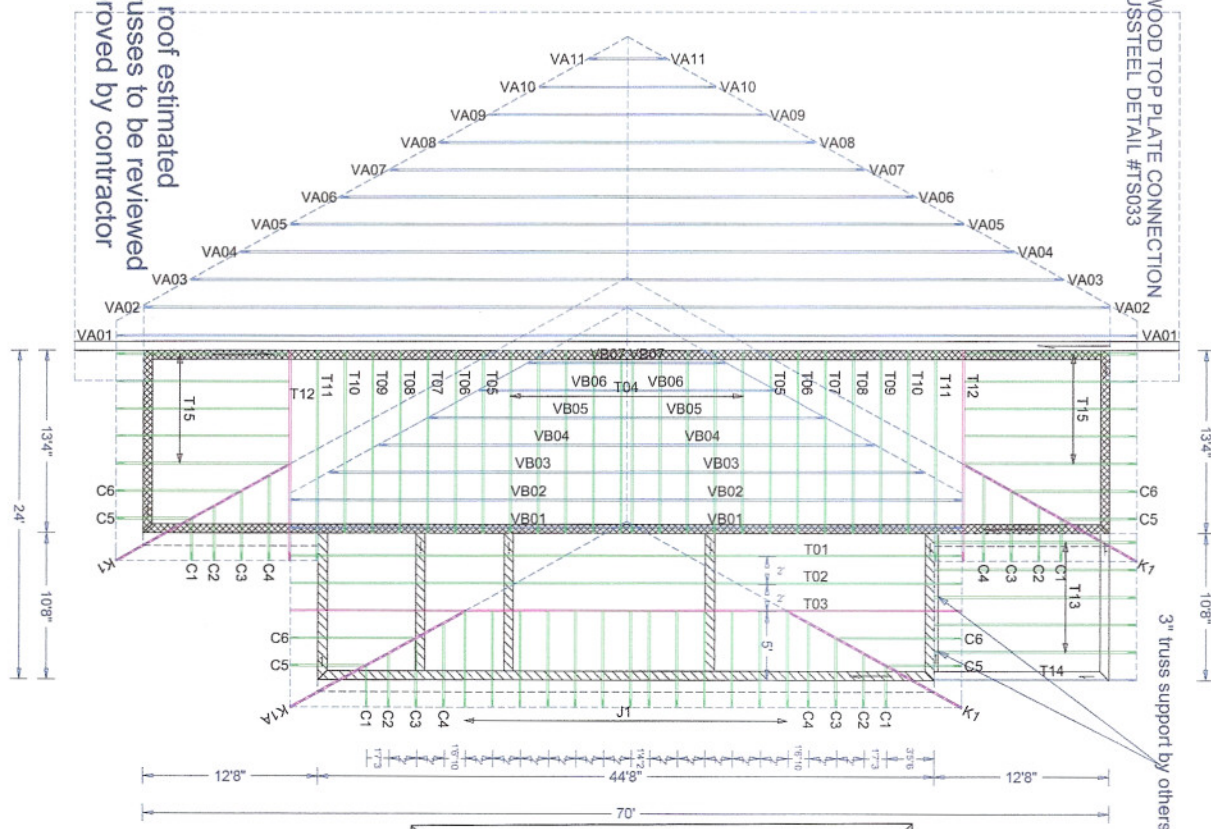


Existing roof estimated
Valley trusses to be reviewed
and approved by contractor

TRUSS TO WOOD TOP PLATE CONNECTION
TSUC3 - TRUSSTEEL DETAIL #TS033



SHOP DRAWING REVIEW

N. P. GESLER, ARCHITECT

- | | |
|--|-----------------------------------|
| ☒ NO EXCEPTION TAKEN | ☐ REJECTED |
| ☐ REFER TO COMMENTS | ☐ RESUBMIT |

REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT AND CONTRACT DOCUMENTS.

Markings and/or Comments shall not be construed to mean relieving the CONTRACTOR from Compliance with the Contract Documents nor departures therefrom. The CONTRACTOR is responsible for all details and accuracy, for confirming and verifying quantities of materials, job conditions and dimensions, for the selection of assemblies, methods and techniques of construction, and constructing in a safe manner.

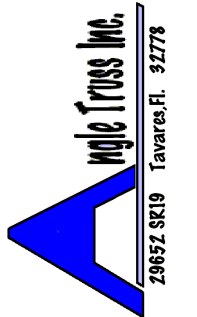
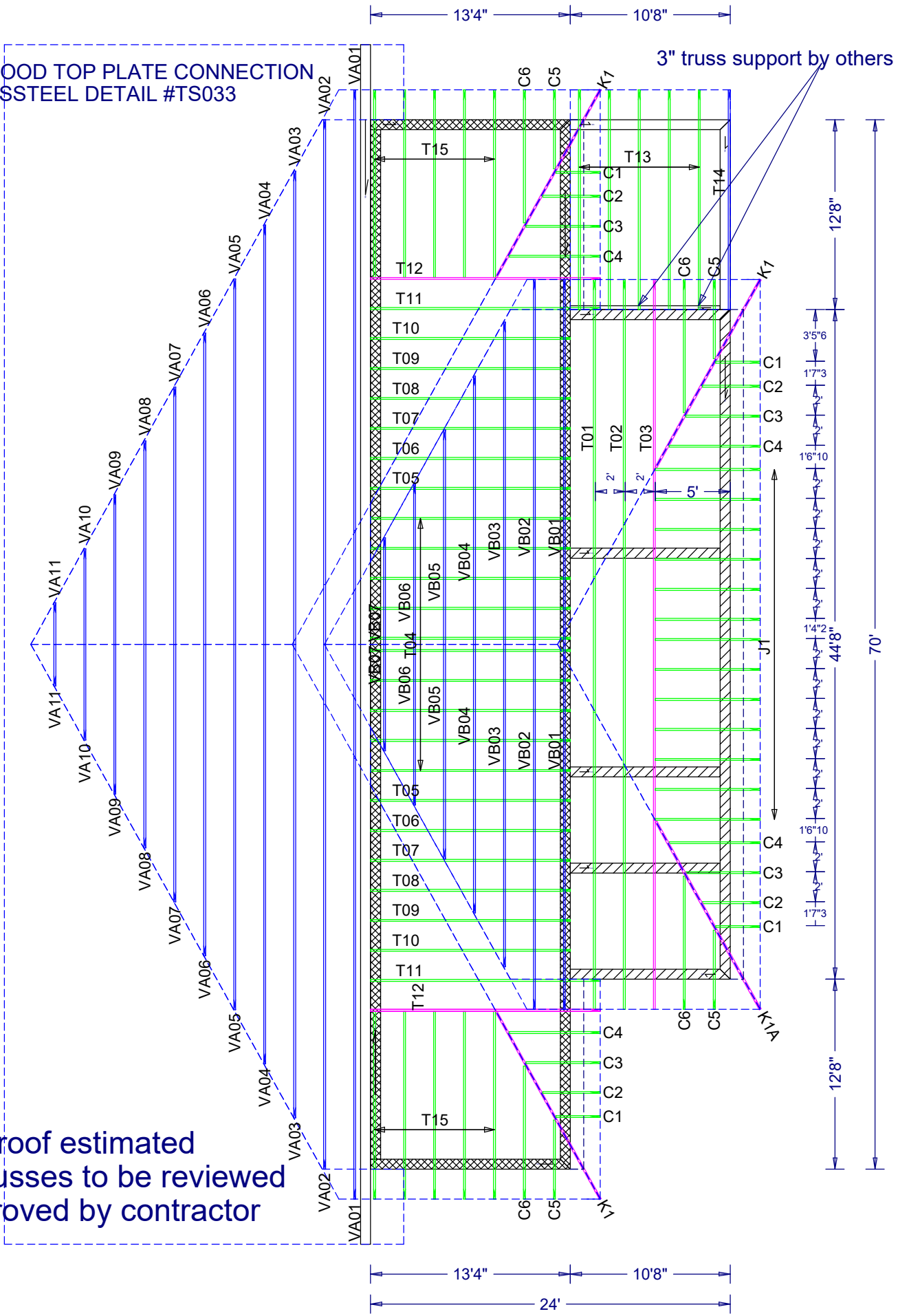
Reviewed

Date

[Signature] 03 Sep 2020

TRUSS TO WOOD TOP PLATE CONNECTION
TSUC3 - TRUSSTEEL DETAIL #TS033

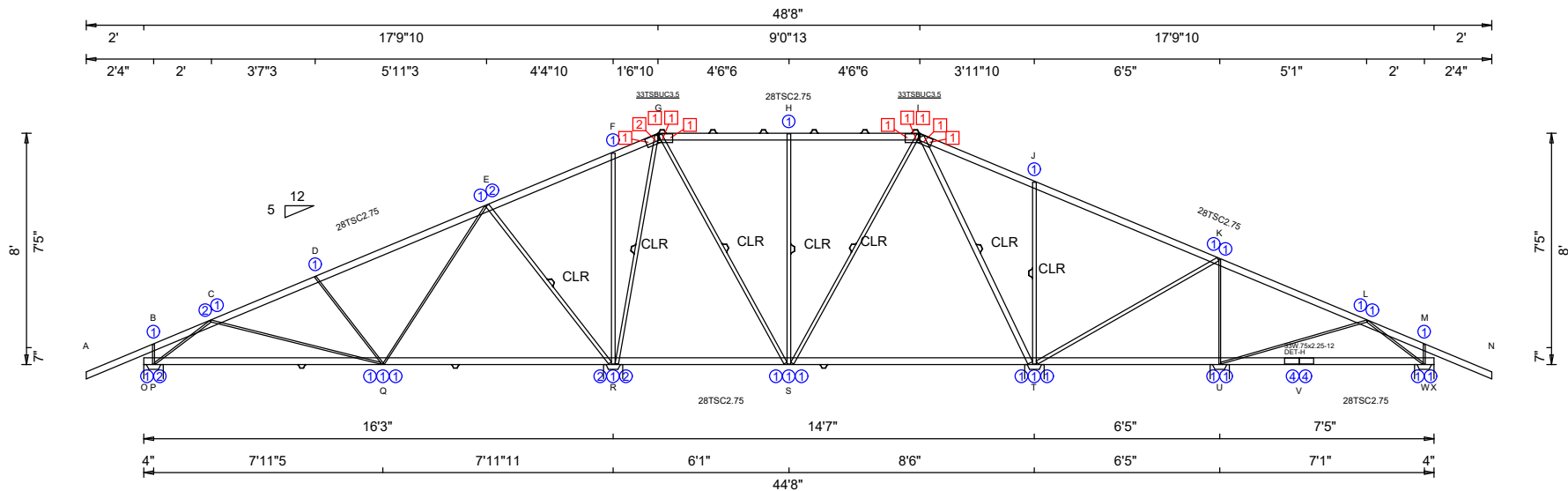
Existing roof estimated
Valley trusses to be reviewed
and approved by contractor



Customer:: SCHERER CONST.
Job Name:: Belmont Academy -(Escort
Designer:: KURTUS SOMMER
Date:: 08-04-2020
Salesman:: PATRICK

JOB NO:
S1401

PAGE NO:
1 OF 1



R=972#
U=490#
RL=248/-248#
W=8"
H=30'
Restraint
SEAT PLATE REQUIRED

R=1802#
U=624#
W=8"
H=30'
Restraint
SEAT PLATE REQUIRED

R=1414#
U=546#
W=8"
H=30'
Restraint
SEAT PLATE REQUIRED

R=531#
U=143#
W=8"
H=30'
Restraint
SEAT PLATE REQUIRED

R=569#
U=413#
W=8"
H=30'
Restraint
SEAT PLATE REQUIRED

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:
Building Designer's requirements.

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	-2.00	17.80	Structural Panels
Flat TC	17.80	26.87	Purlins at 24"
Sloped TC	26.87	46.67	Structural Panels
BC	0.00	16.25	Purlins at 74"
BC	16.25	30.83	Purlins at 120"
BC	30.83	37.25	Purlins at 77"
BC	37.25	44.67	Purlins at 89"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 33.88 ft
C&C Dist a: 4.47 ft
Loc. from endwall: Greater than 6.50 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.03 0.19 46.67 V
-0.01 -0.08 46.67 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
X Red 14AMDR1.5
X Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs)				Max. Chord CSI TC 0.667 BC 0.995			
Chords	Tens.	Comp.		Chords	Tens.	Comp.	
A - B	84	0		O - P	0	0	
B - C	210	-108		P - Q	612	-255	
C - D	330	-925		Q - R	260	-76	
D - E	276	-675		R - S	315	-162	
E - F	382	-88		S - T	258	-59	
F - G	344	-45		T - U	153	-76	
G - H	273	-125		U - V	129	-69	
H - I	273	-125		V - W	129	-69	
I - J	383	-9		W - X	0	0	
J - K	445	-53					
K - L	186	-33					
L - M	204	-99					
M - N	84	0					

MAXIMUM WEB FORCES PER PLY (lbs)				Max. WEB CSI 0.961			
Webs	Size	Tens.	Comp.	Webs	Size	Tens.	Comp.
B - P	33W.75x.75	503	-423	K - T	33W.75x1.5	216	-271
C - P	33W.75x.75	232	-767	K - U	33W.75x.75	171	-335
C - Q	33W.75x.75	219	-74	L - U	33W.75x.75	192	-213
D - Q	33W.75x.75	297	-485	L - W	33W.75x.75	86	-161
E - Q	33W.75x.75	586	-168	M - W	33W.75x.75	485	-398
E - R	33W.75x1.5	405	-826				
F - R	33W.75x1.5	222	-234				
G - R	33W.75x1.5	209	-799				
G - S	33W.75x1.5	525	-177				
H - S	33W.75x1.5	288	-516				
I - S	33W.75x1.5	228	-70				
I - T	33W.75x2.25	202	-674				
J - T	33W.75x1.5	346	-511				

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T01

JOB NAME:
Belmont Academy - (Escort Load)

JOB NUMBER:
S1401

DATE: 08/04/2020

DESIGNED BY:

SCALE = 0.1723

CHECKED BY:

CUST: USR 6704

JREF:

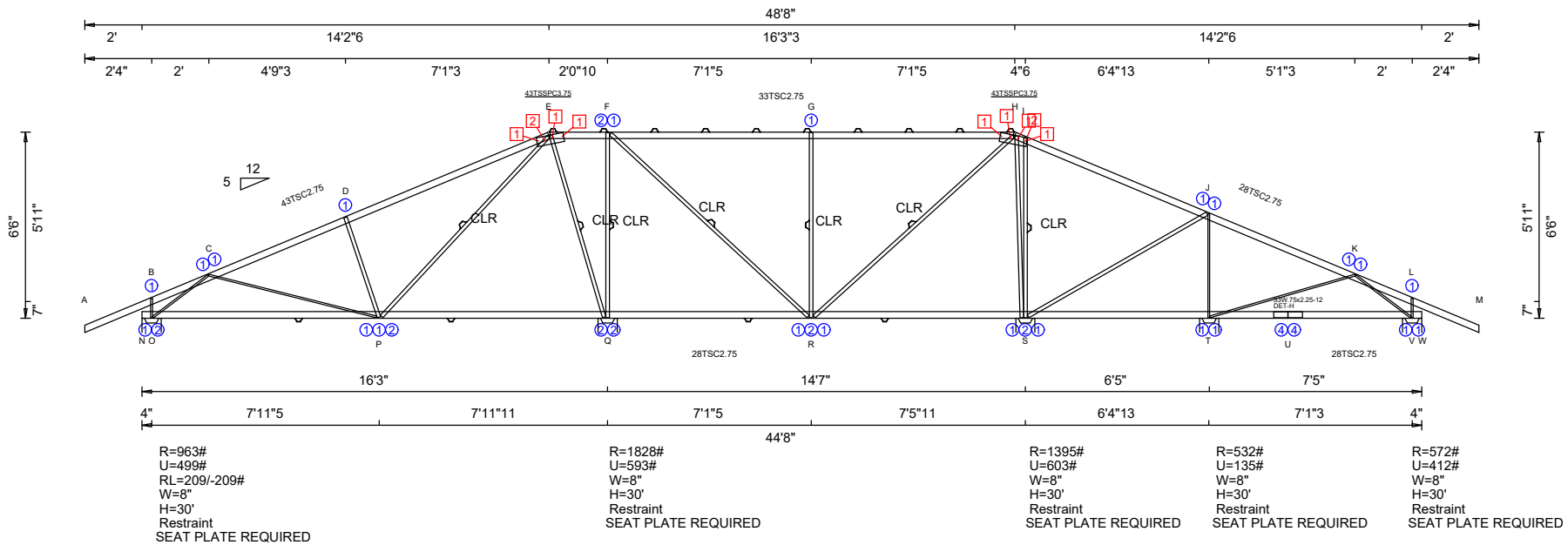
TRUSS TAG NUMBER: T2

COVER SHEET ID:

TS1-080320-150904

DRAWING NUMBER:

SEQ = 1334
GALVANIZATION=G60
REV. 17.02.02B.0123.10



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:

Building Designer's requirements.

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	-2.00	14.20	Structural Panels
Flat TC	14.20	30.47	Purlins at 24"
Sloped TC	30.47	46.67	Structural Panels
BC	0.00	16.25	Purlins at 76"
BC	16.25	30.83	Purlins at 68"
BC	30.83	37.23	Purlins at 77"
BC	37.23	44.67	Purlins at 89"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code

FBC2017Com

Design Criteria

AISI S100-2012

Loading Standard

ASCE 7-10

Speed: 140 mph
 Exposure: C
 TC DL=5.00 psf
 Mean Height: 33.13 ft
 C&C Dist a: 4.47 ft
 Loc. from endwall: Greater than 6.50 ft
 Wind Reactions based on both MWFRS and C&C
 Member Design based on both MWFRS and C&C

Wind Criteria

Risk Category: II
 Enclosure: Closed
 BC DL=5.00 psf
 GCp: 0.18
 MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind

Left End Vertical: No
 Deflection meets: N/A
 Right End Vertical: No
 Deflection meets: N/A
 Left End Cant.: No
 Right End Cant.: No

Snow Criteria

Pg: N/A
 Pf: N/A
 Cat: N/A
 Ct: N/A
 Ce: N/A
 Cs: N/A

Deflection

BC Deflection meets
 L/360 live L/240 total
 Max. Deflection(in)
 Live Total XLoc(ft)
 0.12 0.33 10.94 V
 -0.01 -0.08 46.67 H

Fasteners

Callout Color Name
 O Blue 14AMDB1.25
 □ Red 14AMDR1.5
 ◇ Gold 14AMS.75
 Minimum number of fasteners
 shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.930 BC 0.998

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	84	0	O - P	594	-250
B - C	208	-108	P - Q	212	-132
C - D	351	-866	Q - R	290	-327
D - E	408	-750	R - S	343	-301
E - F	327	-19	S - T	148	-70
F - G	281	-167	T - U	132	-69
G - H	281	-167	U - V	132	-69
H - I	199	-33	V - W	0	0
I - J	441	-80			
J - K	180	-31			
K - L	203	-99			
L - M	84	0			
N - O	0	0			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.846

Webs	Size	Tens.	Comp.	Webs	Size	Tens.	Comp.
B - O	33W.75x.75	496	-425	J - T	33W.75x.75	164	-337
C - O	33W.75x.75	257	-745	K - T	33W.75x.75	186	-210
C - P	33W.75x.75	172	-58	K - V	33W.75x.75	87	-165
D - P	33W.75x1.5	395	-647	L - V	33W.75x.75	484	-398
E - P	33W.75x1.5	998	-386				
E - Q	33W.75x1.5	277	-735				
F - Q	33W.75x1.5	404	-975				
F - R	33W.75x1.5	672	-216				
G - R	33W.75x1.5	398	-747				
H - R	33W.75x1.5	634	-292				
H - S	33W.75x1.5	105	-287				
I - S	33W.75x1.5	623	-824				
J - S	33W.75x1.5	259	-276				

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T02

JOB NAME:
Belmont Academy - (Escort Load)

JOB NUMBER:
S1401

DATE: 08/04/2020

DESIGNED BY:

SCALE = 0.1728

COVER SHEET ID:

CUST: USR 6704

DRAWING NUMBER:

CHECKED BY:

JREF:

TS1-080320-150904

SEQ = 1331

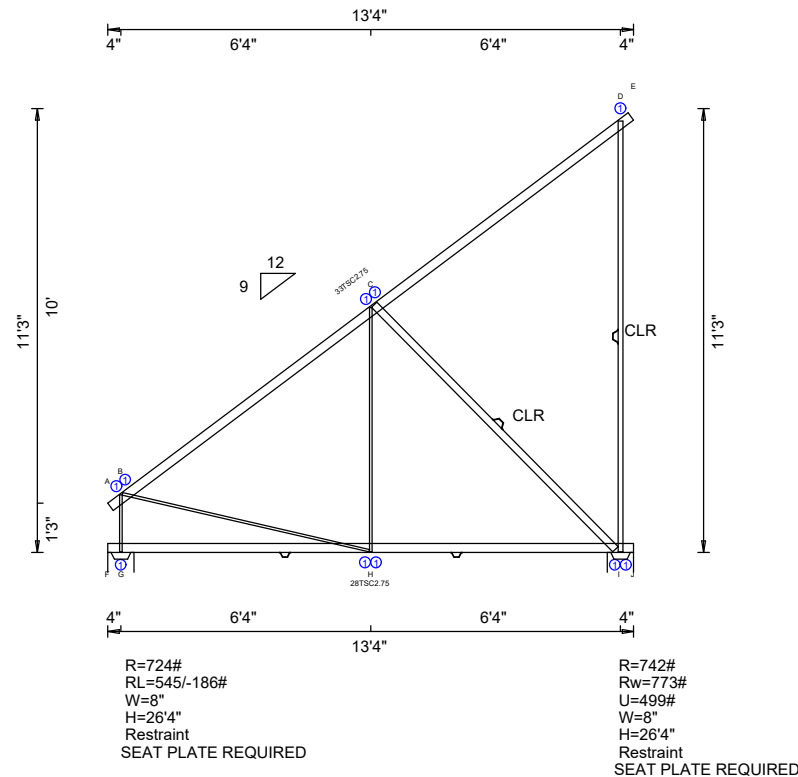
GALVANIZATION=G60

REV. 17.02.02B.0123.10

QUANTITY TOTAL= 1

TRUSS TAG NUMBER: T18

SEQ = 1326
GALVANIZATION=G60
REV. 17.02.02B.0123.10



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 54" oc.
Building Designer's requirements.

MWFRS loads based on trusses located at least 16.29 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 32.58 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.12 0.32 3.10 V
-0.02 -0.04 0.00 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.887 BC 1.000
Chords Tens. Comp.

A - B	18	0
B - C	0	-663
C - D	131	-211
D - E	0	-18
F - G	0	0
G - H	186	-545
H - I	460	-298
I - J	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.666
Webs Size Tens. Comp.

B - G	33W.75x.75	0	-669
B - H	33W.75x.75	445	0
C - H	33W.75x.75	80	0
C - I	33W.75x2.25	424	-655
D - I	33W.75x1.5	221	-240

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T04

SEQ = 1357
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 10 TOTAL= 10
TRUSS TAG NUMBER: T31

JOB NAME:
Belmont Academy - (Escort Load)

SCALE = 0.2073 CUST: USR 6704

CHECKED BY: JREF:

TS1-080320-150904

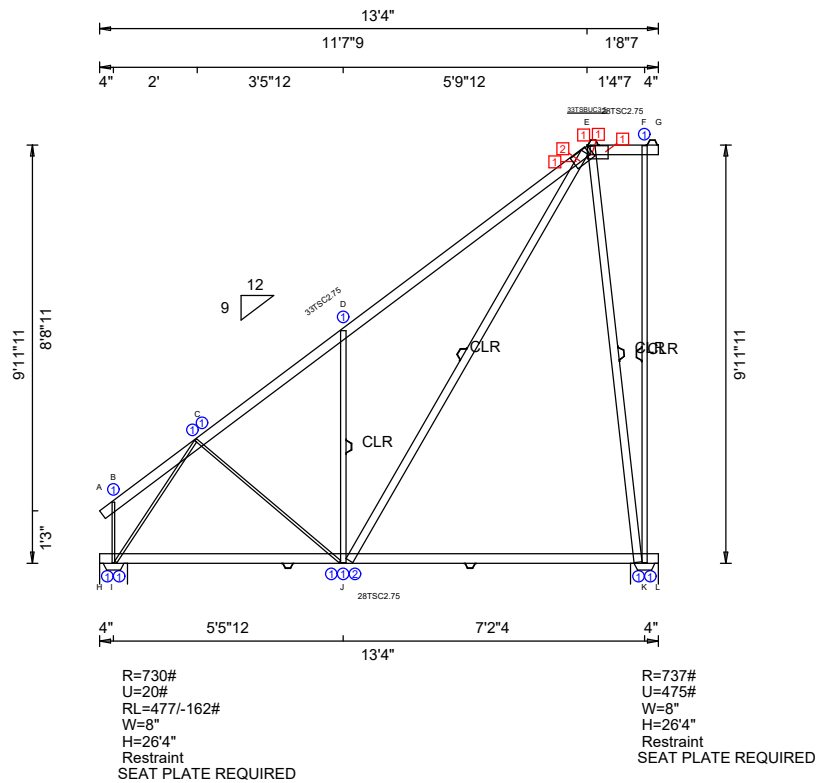
JOB NUMBER:
S1401

DATE: 08/04/2020

DESIGNED BY:

COVER SHEET ID:

DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 58" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 15.97 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 31.94 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.06 0.28 8.95 V
0.01 0.04 5.81 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.907 BC 0.989

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	18	0	K - L	0	0
B - C	80	-54			
C - D	0	-591			
D - E	280	-742			
E - F	0	0			
F - G	0	0			
H - I	0	0			
I - J	443	-426			
J - K	69	-53			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.876

Webs	Size	Tens.	Comp.
B - I	33W.75x.75	106	-110
C - I	33W.75x.75	0	-674
C - J	33W.75x.75	163	-15
D - J	33W.75x1.5	445	-571
E - J	33W.75x2.25	799	-514
E - K	33W.75x2.25	474	-621
F - K	33W.75x1.5	53	-61

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T06

JOB NAME:
Belmont Academy - (Escort Load)

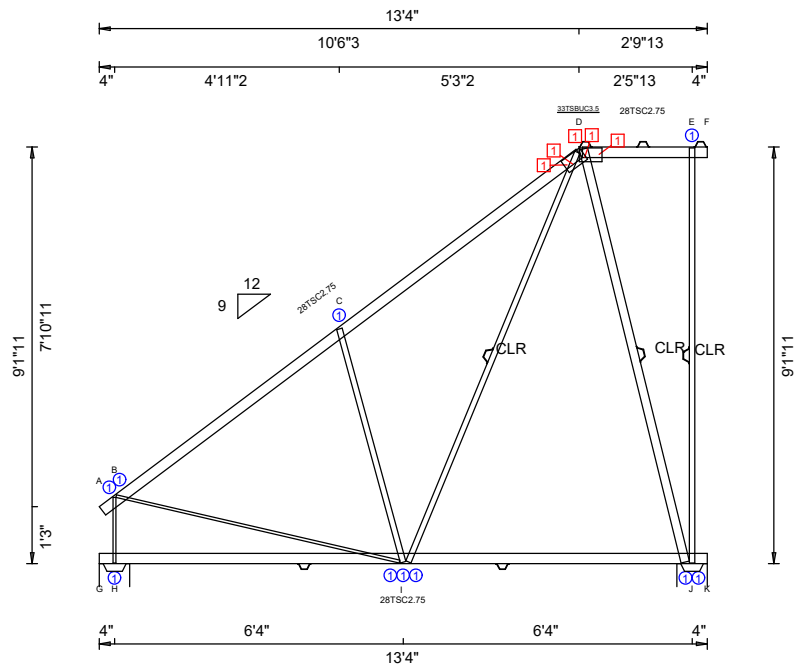
DATE: 08/04/2020 SCALE = 0.2203 CUST: USR 6704

DESIGNED BY: CHECKED BY: JREF:

COVER SHEET ID: TS1-080320-150904

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T14

SEQ = 1372
GALVANIZATION=G60
REV. 17.02.02B.0123.10



R=723#
U=56#
RL=433/-146#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

R=743#
U=460#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 59" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 15.76 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 31.53 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.03 0.17 8.20 V
-0.01 -0.02 0.00 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.844 BC 0.975
Chords Tens. Comp.

A - B	18	0
B - C	16	-696
C - D	199	-625
D - E	0	0
E - F	0	0
G - H	0	0
H - I	146	-433
I - J	138	-99
J - K	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.849
Webs Size Tens. Comp.

B - H	33W.75x.75	77	-662
B - I	33W.75x.75	504	0
C - I	33W.75x1.5	394	-518
D - I	33W.75x1.5	612	-346
D - J	33W.75x2.25	414	-576
E - J	33W.75x1.5	88	-124

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T07

SEQ = 1375
GALVANIZATION=G60
REV. 17.02.02B.0123.10

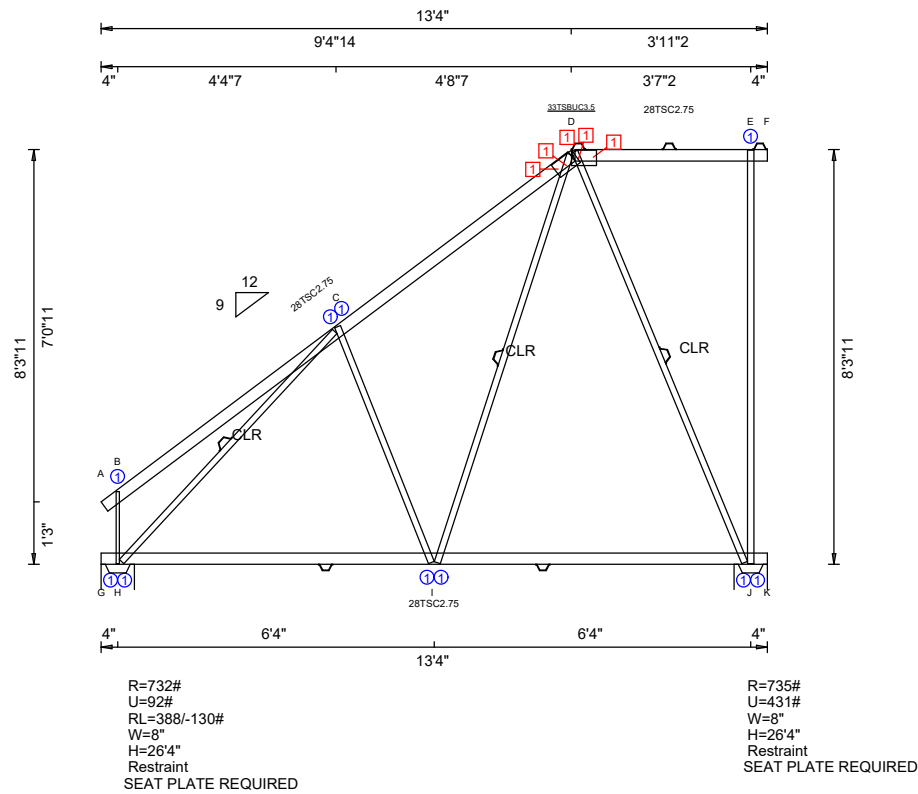
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T26

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.2396
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY: JREF:

COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 67" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 15.56 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 31.11 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.02 0.11 7.39 V
0.00 0.02 4.76 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.585 BC 0.997
Chords Tens. Comp.

A - B	18	0
B - C	140	-94
C - D	191	-582
D - E	0	0
E - F	0	0
G - H	0	0
H - I	467	-347
I - J	204	-137
J - K	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.980
Webs Size Tens. Comp.

B - H	33W.75x.75	162	-177
C - H	33W.75x1.5	0	-665
C - I	33W.75x1.5	354	-342
D - I	33W.75x1.5	483	-254
D - J	33W.75x1.5	360	-533
E - J	33W.75x1.5	126	-182

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T08

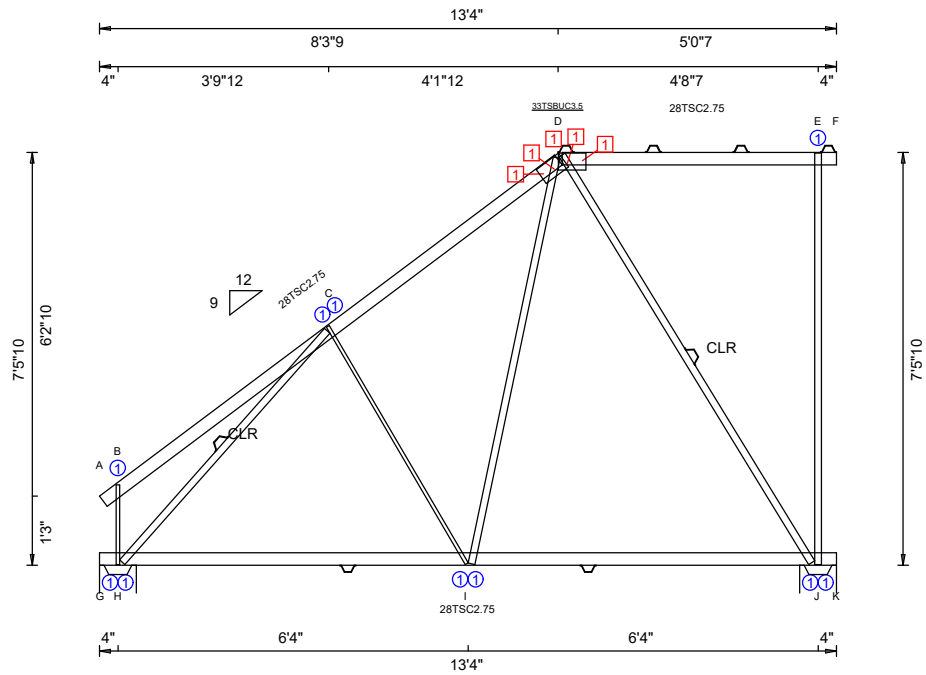
JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.2626
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T11

SEQ = 1378
GALVANIZATION=G60
REV. 17.02.02B.0123.10



R=732#
U=125#
RL=344/-115#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

R=735#
U=404#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 67" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 15.35 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 30.69 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpf: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.05 0.12 10.70 V
0.00 0.02 4.18 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.581 BC 0.988
Chords Tens. Comp.

A - B	18	0
B - C	123	-82
C - D	184	-560
D - E	0	0
E - F	0	0
G - H	0	0
H - I	455	-349
I - J	268	-167
J - K	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.892
Webs Size Tens. Comp.

B - H	33W.75x.75	144	-157
C - H	33W.75x1.5	9	-681
C - I	33W.75x.75	293	-265
D - I	33W.75x1.5	378	-169
D - J	33W.75x1.5	319	-514
E - J	33W.75x1.5	156	-234

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T09

SEQ = 1381
GALVANIZATION=G60
REV. 17.02.02B.0123.10

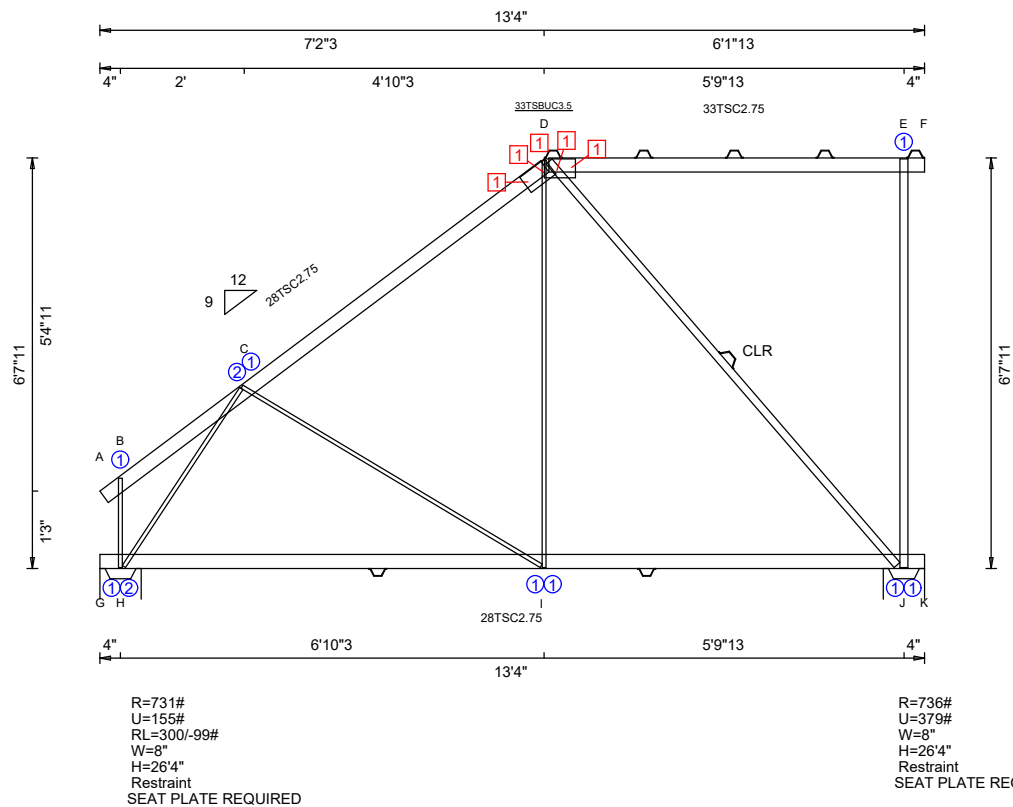
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T15

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.2905
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY:

COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 63" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 15.14 ft. from roof edge.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code

FBC2017Com

Design Criteria

AISI S100-2012

Loading Standard

ASCE 7-10

Wind Criteria

Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 30.28 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind

Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria

Pg: N/A
Pf: N/A
Cat: N/A
Ce: N/A
Cs: N/A

Deflection

BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.11 0.25 10.24 V
-0.00 -0.01 0.33 H

Fasteners

Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.796 BC 0.994

Chords Tens. Comp.

A - B	18	0
B - C	109	-2
C - D	148	-574
D - E	0	0
E - F	0	0
G - H	0	0
H - I	442	-400
I - J	337	-185
J - K	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.892

Webs Size Tens. Comp.

B - H	33W.75x.75	32	-16
C - H	33W.75x.75	181	-779
C - I	33W.75x.75	251	-167
D - I	33W.75x.75	232	-44
D - J	33W.75x1.5	283	-517
E - J	33W.75x1.5	185	-285

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T10

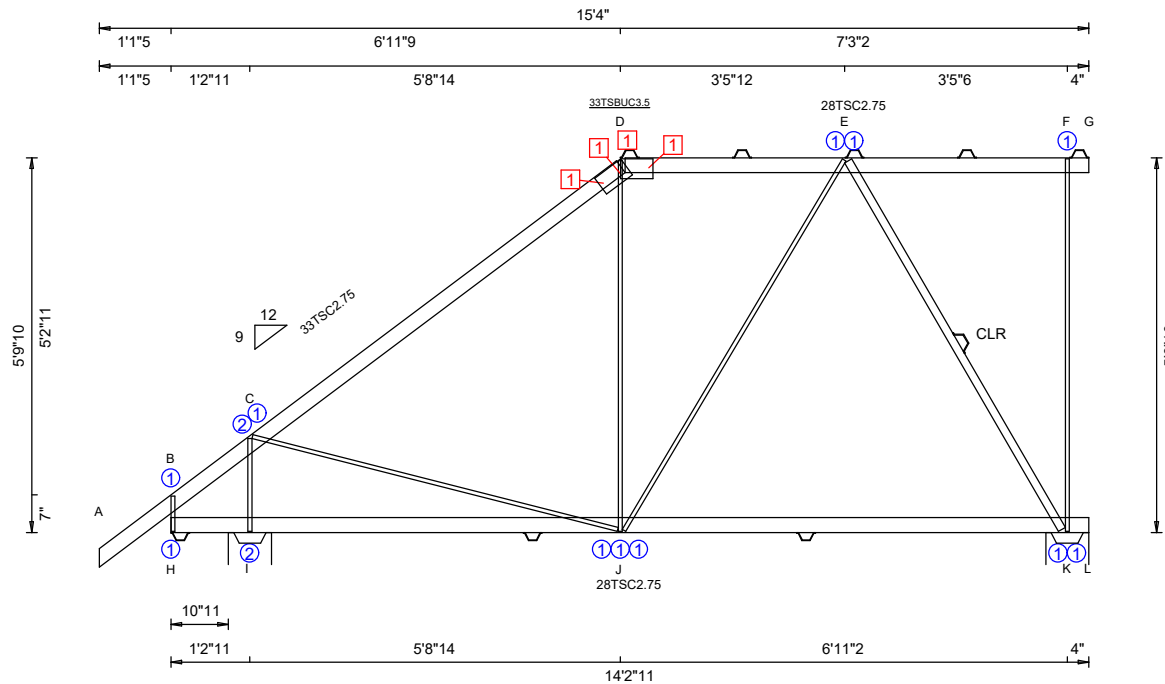
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T30

JOB NAME:
Belmont Academy - (Escort Load)

DATE: 08/04/2020 SCALE = 0.3250 CUST: USR 6704

DESIGNED BY: JREF: CHECKED BY: JREF: COVER SHEET ID: TS1-080320-150904 DRAWING NUMBER:

SEQ = 1386
GALVANIZATION=G60
REV. 17.02.02B.0123.10



R=938#
U=296#
RL=354/-133#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

R=720#
U=341#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:
Building Designer's requirements.

MWFRS loads based on trusses located at least 14.56 ft. from roof edge.

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	-1.11	6.96	Structural Panels
Flat TC	6.96	14.22	Purlins at 24"
BC	0.00	1.22	Purlins at 15"
BC	1.22	14.22	Purlins at 69"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 29.11 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpf: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.10 0.26 4.35 V
-0.02 -0.07 0.03 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.792 BC 0.997			
Chords	Tens.	Comp.	
A - B	64	0	
B - C	145	-27	
C - D	138	-639	
D - E	196	-372	
E - F	0	0	
F - G	0	0	
H - I	0	0	
I - J	133	-354	
J - K	296	-159	

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.590			
Webs	Size	Tens.	Comp.
B - H	33W.75x.75	82	-60
C - I	33W.75x.75	290	-917
C - J	33W.75x.75	384	-6
D - J	33W.75x.75	101	-66
E - J	33W.75x.75	183	-72
E - K	33W.75x1.5	318	-590
F - K	33W.75x.75	97	-143

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

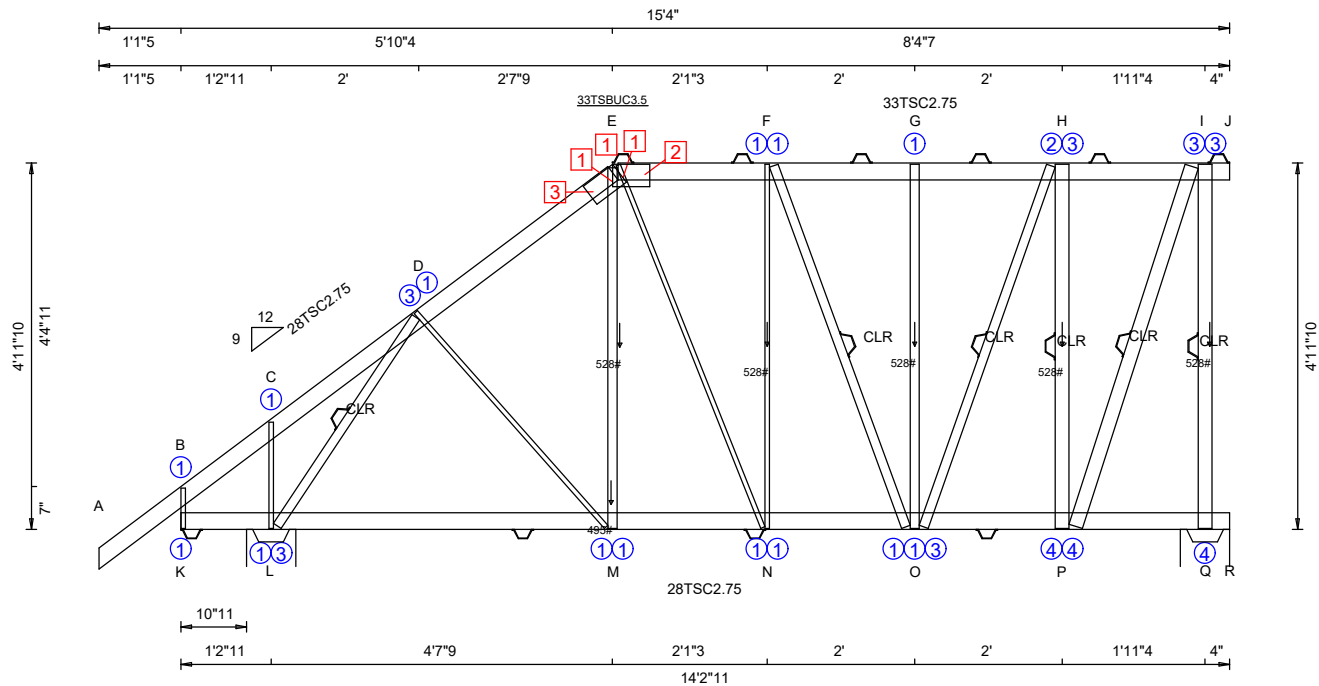


T11

SEQ = 1351
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T29

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE = 0.3391
CUST: USR 6704
DESIGNED BY: JREF:
CHECKED BY:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



R=1965#
U=1196#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

R=2381#
U=1309#
W=8"
H=26'4"
Restraint
SEAT PLATE REQUIRED

Special loads

TC: From 90 plf at -1.11 to 90 plf at 5.85
TC: From 45 plf at 5.85 to 45 plf at 13.95
TC: From 90 plf at 13.95 to 90 plf at 14.22
BC: From 4 plf at -1.11 to 4 plf at 0.00
BC: From 8 plf at 0.00 to 8 plf at 0.89
BC: From 20 plf at 0.89 to 20 plf at 5.84
BC: From 10 plf at 5.84 to 10 plf at 13.95
BC: From 20 plf at 13.95 to 20 plf at 14.22
PL: 495.40 lb Conc. Load at (5.84,26.67)
PL: 527.68 lb Conc. Load at (5.95,28.81), (7.95,28.82), (9.95,28.82)
(11.95,28.82), (13.95,28.82)

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Building Designer's requirements.

Laterally Restrain Chords as follows:

Chord Type Start(ft) End(ft) Restraint
Sloped TC -1.11 5.85 Structural Panels
Flat TC 5.85 14.22 Purlins at 24"
BC 0.00 1.35 Purlins at 16"
BC 1.35 14.22 Purlins at 46"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code

FBC2017Com

Design Criteria

AISI S100-2012

Loading Standard

ASCE 7-10

Wind Criteria

Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 28.69 ft
C&C Dist a: 3.00 ft
Loc. from endwall: NA
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Risk Category: II

Enclosure: Closed

BC DL=5.00 psf

GCpi: 0.18

MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind

Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria

Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection

BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.04 0.11 9.95 V
0.02 0.06 5.85 H

Fasteners

Callout Color Name
O Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners
shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.871 BC 0.981

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	-36	K - L	0	0
B - C	77	-50	L - M	1010	-668
C - D	50	-78	M - N	1324	-882
D - E	1146	-1727	N - O	1400	-868
E - F	868	-1400	O - P	698	-399
F - G	697	-1182	P - Q	0	0
G - H	697	-1182	Q - R	0	0
H - I	399	-698			
I - J	0	0			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.930

Webs	Size	Tens.	Comp.	Webs	Size	Tens.	Comp.
B - K	33W.75x.75	43	-86	H - O	33W.75x1.5	1457	-897
C - L	33W.75x.75	167	-259	H - P	33W.75x2.25	1326	-2269
D - L	33W.75x1.5	1206	-1825	I - P	33W.75x2.25	2278	-1301
D - M	33W.75x.75	474	-324	I - Q	33W.75x2.25	1368	-2458
E - M	33W.75x1.5	635	-595				
E - N	33W.75x.75	205	-104				
F - N	33W.75x.75	477	-401				
F - O	33W.75x1.5	499	-635				
G - O	33W.75x1.5	318	-616				

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T12

SEQ = 1346
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 3 TOTAL= 3
TRUSS TAG NUMBER: T12

JOB NAME:
Belmont Academy - (Escort Load)

SCALE = 0.3874

CUST: USR 6704

DESIGNED BY:

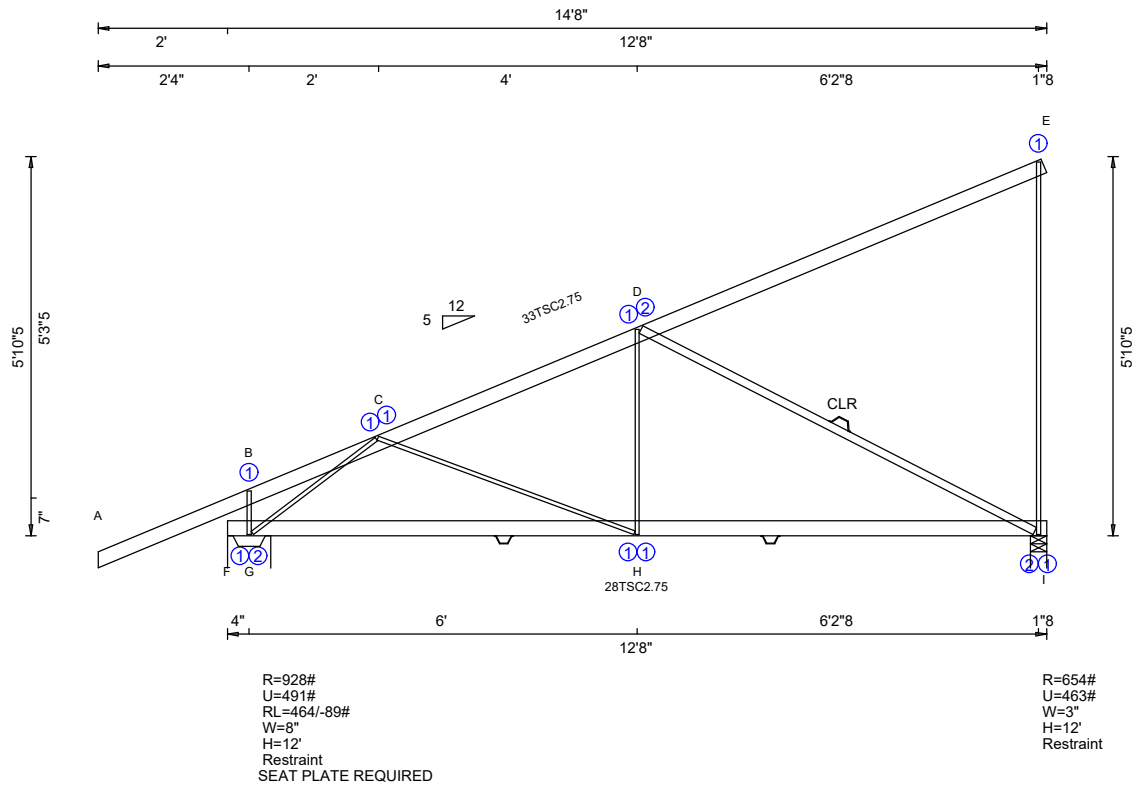
CHECKED BY:

JREF:

COVER SHEET ID:

DRAWING NUMBER:

TS1-080320-150904



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 55" oc. Building Designer's requirements.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
 FBC2017Com
Design Criteria
 AISI S100-2012
Loading Standard
 ASCE 7-10

Wind Criteria
 Speed: 140 mph
 Exposure: C
 TC DL=5.00 psf
 Mean Height: 15.00 ft
 C&C Dist a: 3.00 ft
 Loc. from endwall: Any
 Wind Reactions based on both MWFRS and C&C
 Member Design based on both MWFRS and C&C

Ends Exposed to Wind
 Left End Vertical No
 Deflection meets N/A
 Right End Vertical No
 Deflection meets N/A
 Left End Cant. No
 Right End Cant. No

Snow Criteria
 Pg: N/A
 Pf: N/A
 Cat: N/A
 Ct: N/A
 Ce: N/A
 Cs: N/A

Deflection
 BC Deflection meets
 L/360 live L/240 total
 Max. Deflection(in)
 Live Total XLoc(ft)
 0.08 0.22 9.80 V
 -0.05 -0.07 -2.00 H

Fasteners
 Callout Color Name
 Blue 14AMDB1.25
 Red 14AMDR1.5
 Gold 14AMS.75
 Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.946 BC 0.994
 Chords Tens. Comp.

A - B	84	0
B - C	239	-104
C - D	172	-832
D - E	85	-127
F - G	0	0
G - H	583	-479
H - I	734	-449

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.942
 Webs Size Tens. Comp.

B - G	33W.75x.75	577	-422
C - G	33W.75x.75	41	-731
C - H	33W.75x.75	161	-36
D - H	33W.75x.75	113	0
D - I	33W.75x1.5	504	-824
E - I	33W.75x.75	262	-233

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

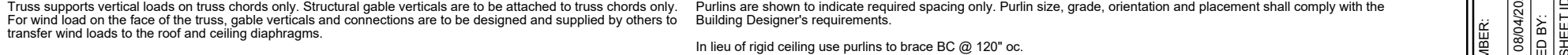


T13

SEQ = 1405
 GALVANIZATION=G60
 REV. 17.02.02B.0123.10

QTY= 5 TOTAL= 5
 TRUSS TAG NUMBER: T23

JOB NUMBER: S1401
 JOB NAME: Belmont Academy - (Escort Load)
 DATE: 08/04/2020
 SCALE = 0.3398
 CUST: USR 6704
 DESIGNED BY:
 CHECKED BY: JREF:
 COVER SHEET ID: TS1-080320-150904
 DRAWING NUMBER:



This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

MAXIMUM CHORD FORCES PER PLY (lbs)			Max. Chord CSI TC 0.597 BC 0.670		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	76	0	K - L	0	0
B - C	224	-100	L - M	0	0
C - D	54	-404	M - N	0	0
D - E	79	-331	N - O	0	0
E - F	58	-270	O - P	0	0
F - G	49	-210			
G - H	40	-154			
H - I	31	-53			
J - K	0	0			

Fasteners		
Callout	Color	Name
○	Blue	14AMDB1.25
□	Red	14AMDR1.5
◇	Gold	14AMS.75

Minimum number of fasteners shown per member

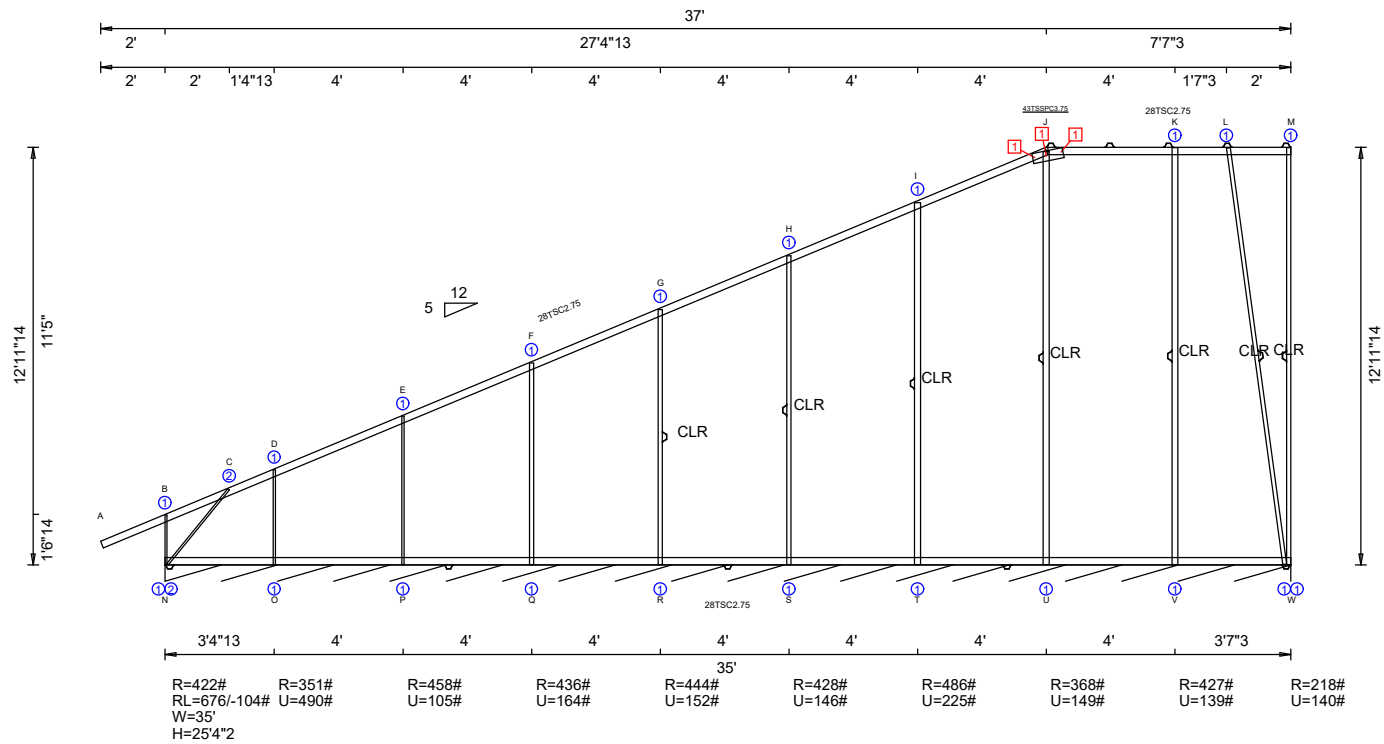
Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



T14

SEQ = 1408
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 1 TOTAL= 1
TRUSS TAG NUMBER: T27



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 120" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 16.10 ft. from roof edge.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 32.21 ft
C&C Dist a: 3.50 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpf: 0.18
MWFRS Part Dist: h/2 to h

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.04 0.12 -2.00 V
-0.06 -0.09 1.89 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs)			Max. Chord CSI TC 0.783 BC 0.979		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	73	0	O - P	14	-18
B - C	249	-97	P - Q	14	-18
C - D	107	-711	Q - R	14	-18
D - E	102	-502	R - S	14	-18
E - F	87	-432	S - T	14	-18
F - G	76	-337	T - U	14	-18
G - H	62	-247	U - V	14	-18
H - I	58	-162	V - W	14	-18
I - J	40	-98			
J - K	18	-14			
K - L	18	-14			
L - M	0	0			
N - O	14	-18			

MAXIMUM WEB FORCES PER PLY (lbs)			Max. WEB CSI 0.960		
Webs	Size	Tens. Comp.	Webs	Size	Tens. Comp.
B - N	33W.75x.75	606 -373	K - V	33W.75x2.25	177 -351
C - N	33W.75x.75	161 -1049	L - W	33W.75x1.5	132 -102
D - O	33W.75x.75	528 -276	M - W	33W.75x1.5	32 -82
E - P	33W.75x.75	146 -377			
F - Q	33W.75x1.5	204 -356			
G - R	33W.75x1.5	192 -364			
H - S	33W.75x1.5	186 -348			
I - T	33W.75x2.25	265 -407			
J - U	33W.75x2.25	190 -287			

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA01

SEQ = 1410
GALVANIZATION=G60
REV. 17.02.02B.0123.10

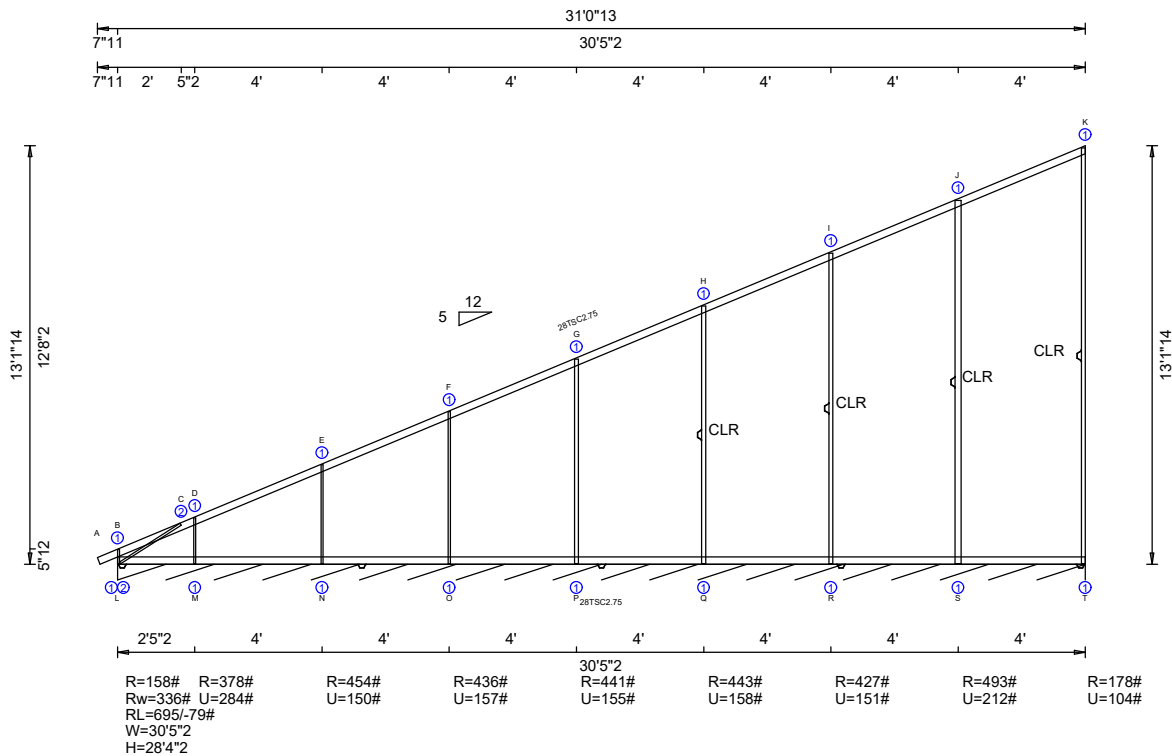
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T35

JOB NAME:
Belmont Academy - (Escort Load)

DATE: 08/04/2020 SCALE = 0.1690 CUST: USR 6704

DESIGNED BY: JREF: CHECKED BY:

COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

MWFRS loads based on trusses located at least 17.51 ft. from roof edge.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 35.03 ft
C&C Dist a: 3.16 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.01 0.04 29.85 V
-0.02 -0.02 27.58 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs)			Max. Chord CSI TC 0.312 BC 0.997		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	24	0	O - P	0	0
B - C	82	-32	P - Q	0	0
C - D	110	-748	Q - R	0	0
D - E	109	-632	R - S	0	0
E - F	96	-542	S - T	0	0
F - G	87	-450			
G - H	77	-358			
H - I	68	-265			
I - J	73	-178			
J - K	54	-82			
L - M	0	0			
M - N	0	0			
N - O	0	0			

MAXIMUM WEB FORCES PER PLY (lbs)			Max. WEB CSI 0.977		
Webs	Size	Tens. Comp.	Webs	Size	Tens. Comp.
B - L	33W.75x.75	189 -141	K - T	33W.75x1.5	121 -146
C - L	33W.75x.75	93 -824			
D - M	33W.75x.75	318 -309			
E - N	33W.75x.75	191 -371			
F - O	33W.75x.75	197 -356			
G - P	33W.75x1.5	195 -361			
H - Q	33W.75x1.5	199 -362			
I - R	33W.75x1.5	190 -349			
J - S	33W.75x2.25	257 -403			

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA03

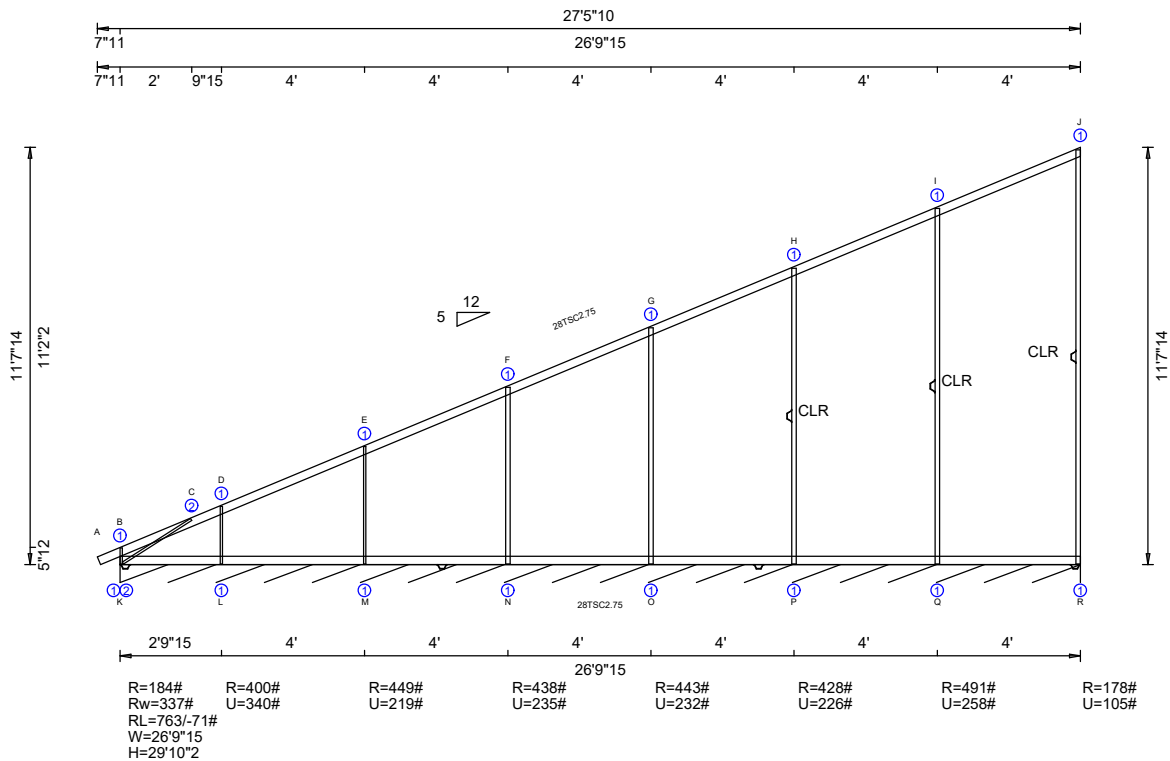
SEQ = 1412
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T33

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.1671
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of rigid ceiling use purlins to brace BC @ 114" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 35.78 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCp: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.01 0.04 26.10 V
-0.03 -0.03 23.98 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs)			Max. Chord CSI TC 0.362 BC 0.992		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	24	0	K - L	0	0
B - C	91	-37	L - M	0	0
C - D	104	-820	M - N	0	0
D - E	98	-671	N - O	0	0
E - F	87	-554	O - P	0	0
F - G	77	-432	P - Q	0	0
G - H	69	-310	Q - R	0	0
H - I	72	-192			
I - J	54	-82			

MAXIMUM WEB FORCES PER PLY (lbs)			Max. WEB CSI 0.924		
Webs	Size	Tens.	Comp.		
B - K	33W.75x.75	210	-160		
C - K	33W.75x.75	84	-905		
D - L	33W.75x.75	375	-329		
E - M	33W.75x.75	261	-367		
F - N	33W.75x1.5	274	-358		
G - O	33W.75x1.5	272	-362		
H - P	33W.75x1.5	264	-350		
I - Q	33W.75x1.5	303	-402		
J - R	33W.75x1.5	121	-146		

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA04

SEQ = 1416
GALVANIZATION=G60
REV. 17.02.02B.0123.10

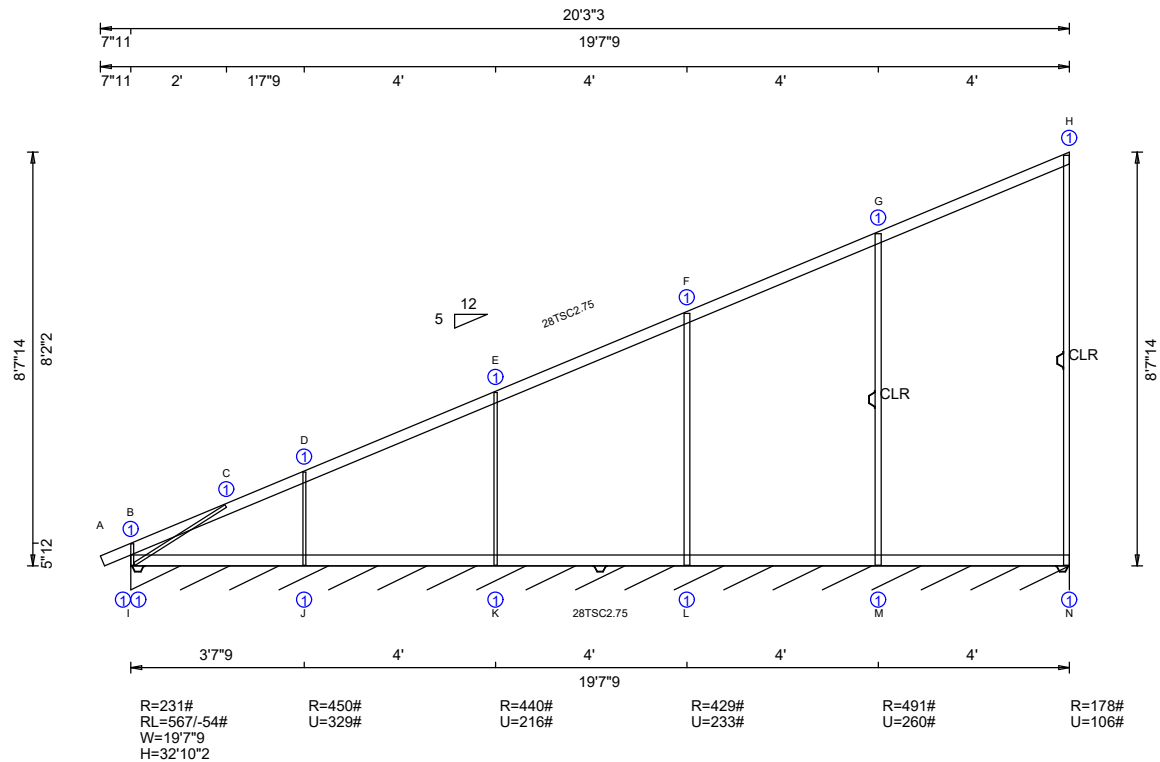
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T54

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020 SCALE = 0.1881 CUST: USR 6704

DESIGNED BY: JREF: CHECKED BY: JREF:

COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the in lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 37.28 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.03 -0.04 2.82 V
-0.03 -0.03 2.82 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.395 BC 0.826

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	24	0	K - L	0	0
B - C	101	-51	L - M	0	0
C - D	92	-579	M - N	0	0
D - E	76	-430			
E - F	69	-315			
F - G	72	-193			
G - H	54	-82			
I - J	0	0			
J - K	0	0			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.564

Webs	Size	Tens.	Comp.
B - I	33W.75x.75	238	-195
C - I	33W.75x.75	65	-672
D - J	33W.75x.75	367	-374
E - K	33W.75x.75	257	-359
F - L	33W.75x1.5	272	-352
G - M	33W.75x1.5	305	-402
H - N	33W.75x1.5	123	-146

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA06

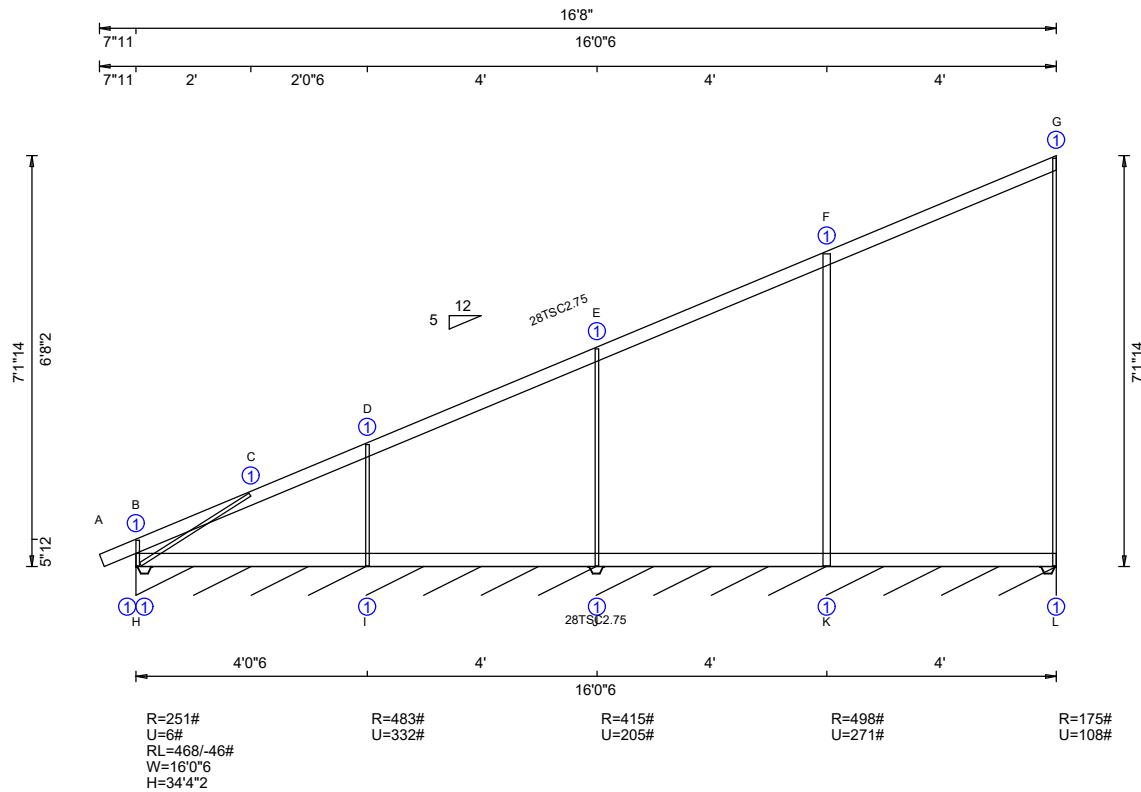
SEQ = 1422
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T46

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.2513
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 38.03 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.04 -0.05 2.82 V
-0.03 -0.04 2.82 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.413 BC 0.688
Chords Tens. Comp. Chords Tens. Comp.

A - B	24	0	K - L	0	0
B - C	105	-57			
C - D	87	-460			
D - E	65	-307			
E - F	74	-197			
F - G	54	-83			
H - I	0	0			
I - J	0	0			
J - K	0	0			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.890
Webs Size Tens. Comp.

B - H	33W.75x.75	249	-211
C - H	33W.75x.75	55	-554
D - I	33W.75x.75	373	-402
E - J	33W.75x.75	244	-338
F - K	33W.75x1.5	316	-408
G - L	33W.75x.75	124	-143

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

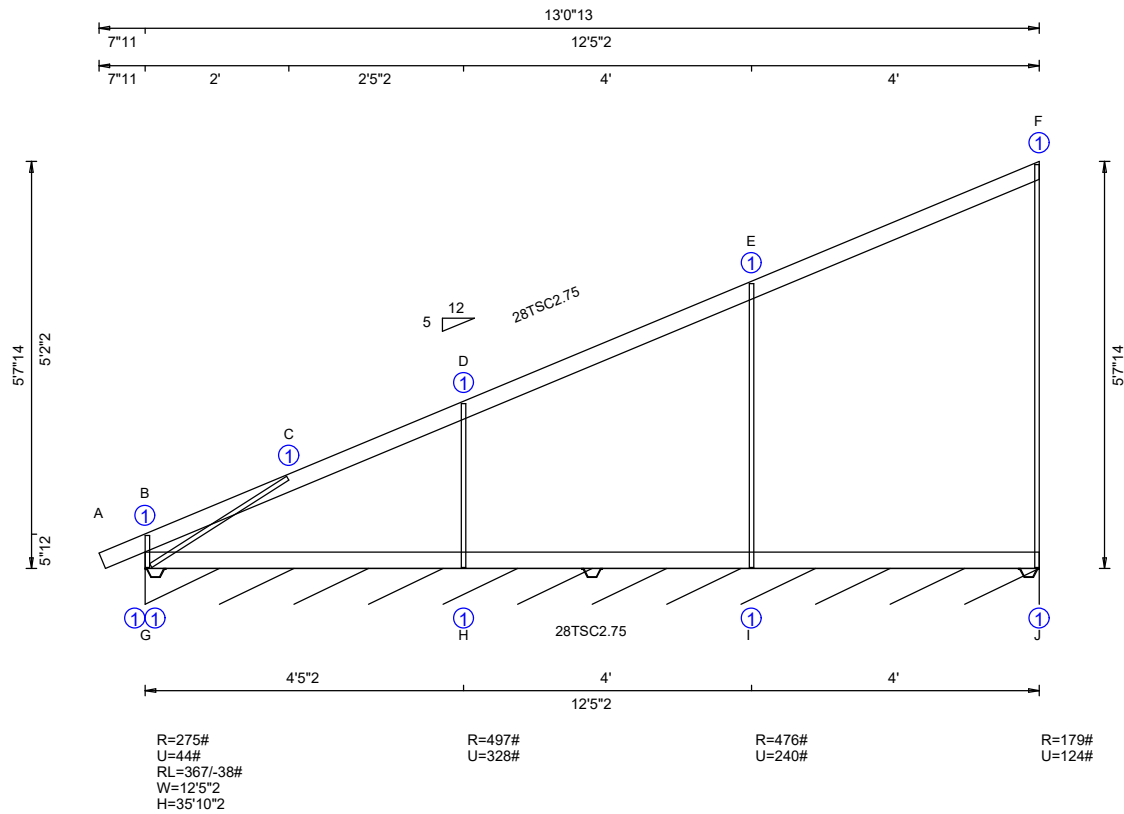


VA07

SEQ = 1418
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T53

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE: 0.3017
CUST: USR 6704
DESIGNED BY:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 38.78 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.06 -0.07 2.82 V
-0.04 -0.05 2.82 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.451 BC 0.550
Chords Tens. Comp.

A - B	24	0
B - C	113	-64
C - D	88	-341
D - E	67	-188
E - F	56	-82
G - H	0	0
H - I	0	0
I - J	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.710
Webs Size Tens. Comp.

B - G	33W.75x.75	268	-229
C - G	33W.75x.75	45	-435
D - H	33W.75x.75	369	-416
E - I	33W.75x.75	285	-387
F - J	33W.75x.75	140	-147

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA08

SEQ = 1426
GALVANIZATION=G60
REV. 17.02.02B.0123.10

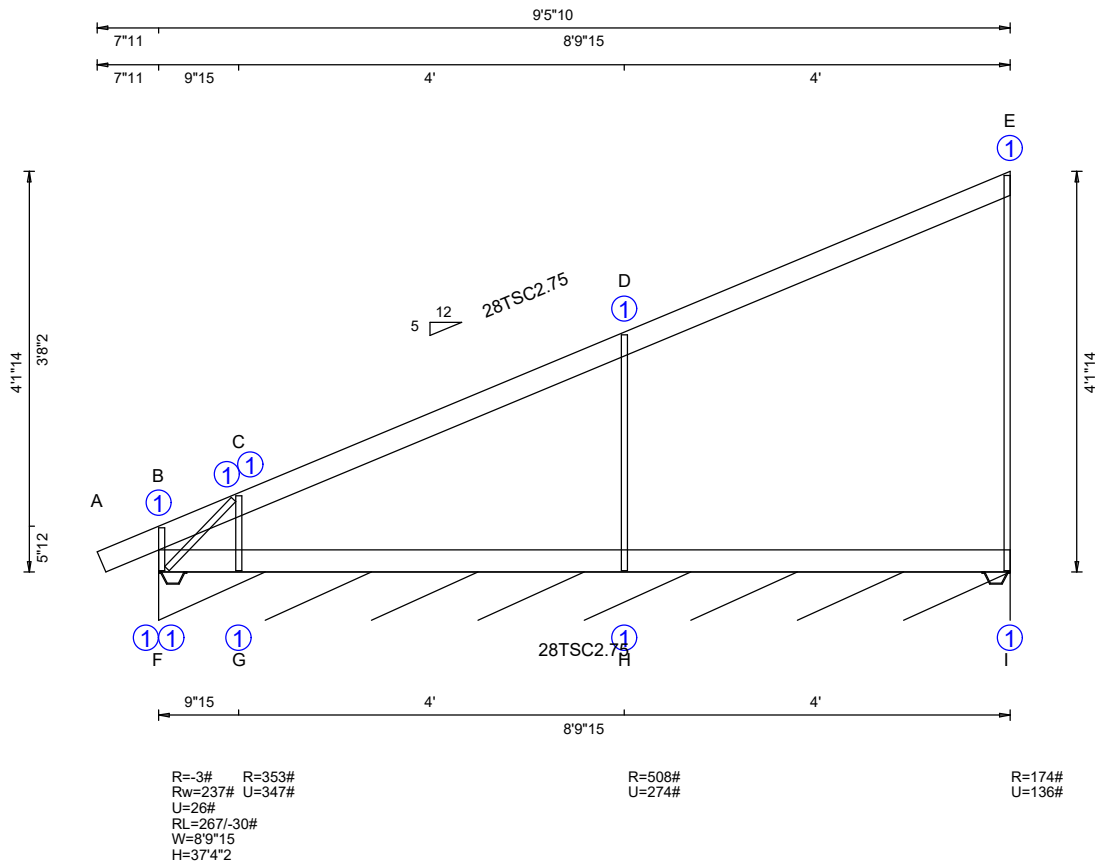
QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T49

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 0.3781
CUST: USR 6704

DESIGNED BY: JREF:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904

DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 106" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 39.53 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 4.50 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpf: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.01 0.04 8.26 V
-0.00 -0.00 5.98 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.367 BC 0.301
Chords Tens. Comp.

A - B	24	0
B - C	43	-14
C - D	76	-212
D - E	54	-84
F - G	0	0
G - H	0	0
H - I	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.313
Webs Size Tens. Comp.

B - F	33W.75x.75	98	-44
C - F	33W.75x.75	43	-385
C - G	33W.75x.75	385	-277
D - H	33W.75x.75	320	-416
E - I	33W.75x.75	152	-142

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

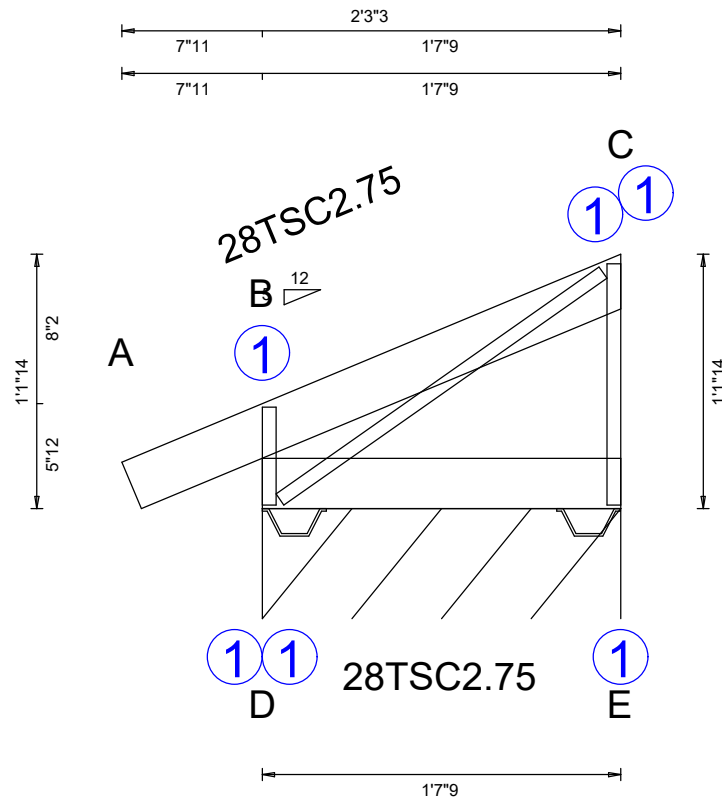


VA09

SEQ = 1428
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T45

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE: 0.5067
CUST: USR 6704
DESIGNED BY:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



R=167#
U=187#
RL=151#
W=1'7"9
H=4'0"4"2

R=72#
U=140#

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 20" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 41.03 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Any
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.00 -0.00 2.46 V
-0.00 -0.00 2.46 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.103 BC 0.027		
Chords	Tens.	Comp.
A - B	24	0
B - C	125	-33
D - E	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.204			
Webs	Size	Tens.	Comp.
B - D	33W.75x.75	303	-147
C - D	33W.75x.75	15	-185
C - E	33W.75x.75	146	-60

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VA11

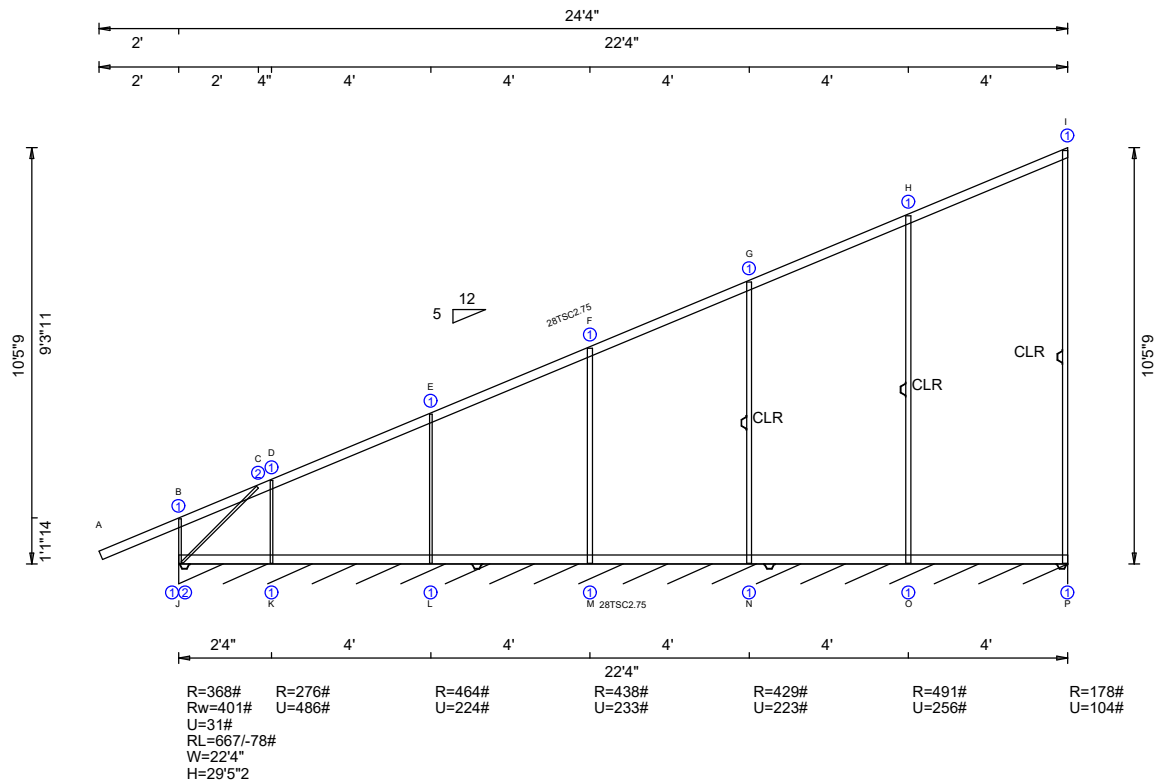
JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
SCALE = 1:1562
CUST: USR 6704

DESIGNED BY:
CHECKED BY:
JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:

SEQ = 1430
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T48



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 34.82 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCp: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.04 0.12 -2.00 V
0.02 0.05 -2.00 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
X Red 14AMDR1.5
X Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.511 BC 0.956				
Chords	Tens.	Comp.	Chords	Tens. Comp.
A - B	73	0	K - L	0 0
B - C	198	-84	L - M	0 0
C - D	66	-751	M - N	0 0
D - E	92	-549	N - O	0 0
E - F	76	-430	O - P	0 0
F - G	69	-309		
G - H	72	-191		
H - I	54	-82		
J - K	0	0		

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.708				
Webs	Size	Tens.	Comp.	
B - J	33W.75x.75	472	-352	
C - J	33W.75x.75	110	-943	
D - K	33W.75x.75	520	-208	
E - L	33W.75x.75	265	-382	
F - M	33W.75x1.5	273	-357	
G - N	33W.75x1.5	262	-351	
H - O	33W.75x1.5	301	-402	
I - P	33W.75x1.5	120	-146	

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

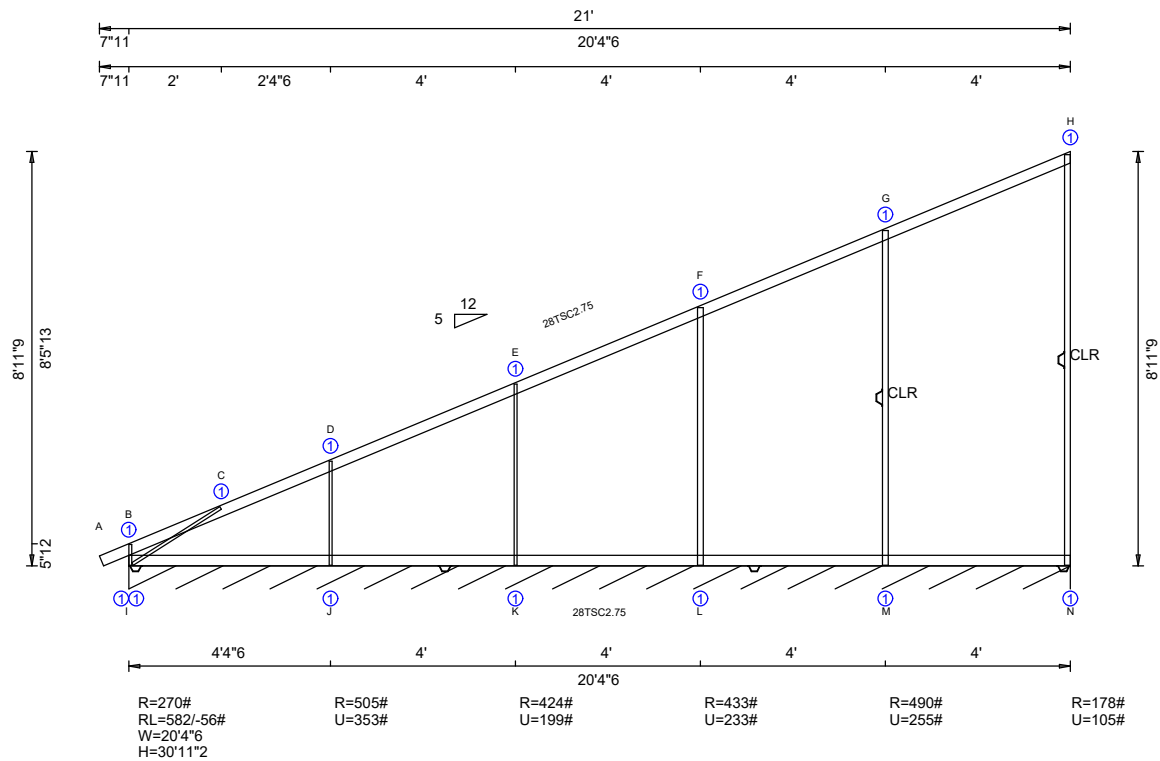


VB02

SEQ = 1392
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T20

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
DESIGNED BY: SCALE = 0.2092
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of rigid ceiling use purlins to brace BC @ 120" oc. Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 35.51 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.06 -0.08 2.82 V
-0.04 -0.06 2.82 H

Fasteners
Callout Color Name
Blue 14AMDB1.25
Red 14AMDR1.5
Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.559 BC 0.856				
Chords	Tens.	Comp.	Chords	Tens. Comp.
A - B	24	0	K - L	0 0
B - C	111	-62	L - M	0 0
C - D	101	-584	M - N	0 0
D - E	73	-421		
E - F	70	-313		
F - G	72	-191		
G - H	54	-82		
I - J	0	0		
J - K	0	0		

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.640				
Webs	Size	Tens.	Comp.	
B - I	33W.75x.75	264	-225	
C - I	33W.75x.75	66	-690	
D - J	33W.75x.75	394	-421	
E - K	33W.75x.75	239	-344	
F - L	33W.75x1.5	272	-355	
G - M	33W.75x1.5	300	-401	
H - N	33W.75x1.5	121	-146	

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

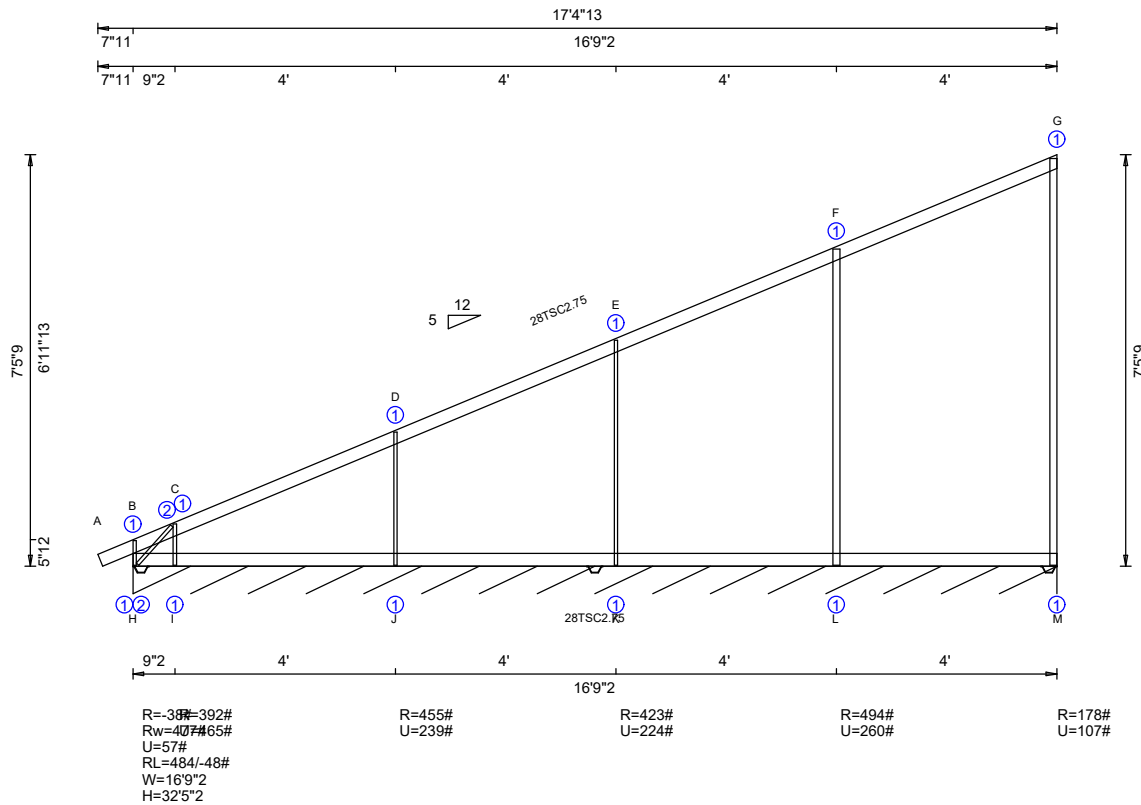


VB03

SEQ = 1402
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T10

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
DESIGNED BY: SCALE = 0.2430
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 120" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code

FBC2017Com

Design Criteria

AISI S100-2012

Loading Standard

ASCE 7-10

Wind Criteria
 Speed: 140 mph
 Exposure: C
 TC DL=5.00 psf
 Mean Height: 36.26 ft
 C&C Dist a: 3.00 ft
 Loc. from endwall: Greater than 4.50 ft
 Wind Reactions based on both MWFRS and C&C
 Member Design based on both MWFRS and C&C
 Risk Category: II
 Enclosure: Closed
 BC DL=5.00 psf
 GCpi: 0.18
 MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind

Left End Vertical	No
Deflection meets	N/A
Right End Vertical	No
Deflection meets	N/A
Left End Cant.	No
Right End Cant.	No

Snow Criteria

Pg:	N/A
Pf:	N/A
Cat:	N/A
Ct:	N/A
Ce:	N/A
Cs:	N/A

Deflection

BC Deflection meets		
L/360 live L/240 total		
Max. Deflection(in)		
Live	Total	XLoc(ft)
0.01	0.04	16.18 V
-0.01	-0.01	13.91 H

Fasteners

Callout	Color	Name
○	Blue	14AMDB1.25
□	Red	14AMDR1.5
◇	Gold	14AMS.75

Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.313 BC 0.696

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	24	0	K - L	0	0
B - C	47	-12	L - M	0	0
C - D	79	-435			
D - E	68	-311			
E - F	73	-193			
F - G	54	-83			
H - I	0	0			
I - J	0	0			
J - K	0	0			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.773

Webs	Size	Tens.	Comp.
B - H	33W.75x.75	109	-39
C - H	33W.75x.75	71	-721
C - I	33W.75x.75	508	-306
D - J	33W.75x.75	280	-373
E - K	33W.75x.75	262	-346
F - L	33W.75x1.5	305	-404
G - M	33W.75x1.5	123	-145

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VB04

SEQ = 1400
 GALVANIZATION=G60
 REV. 17.02.02B.0123.10

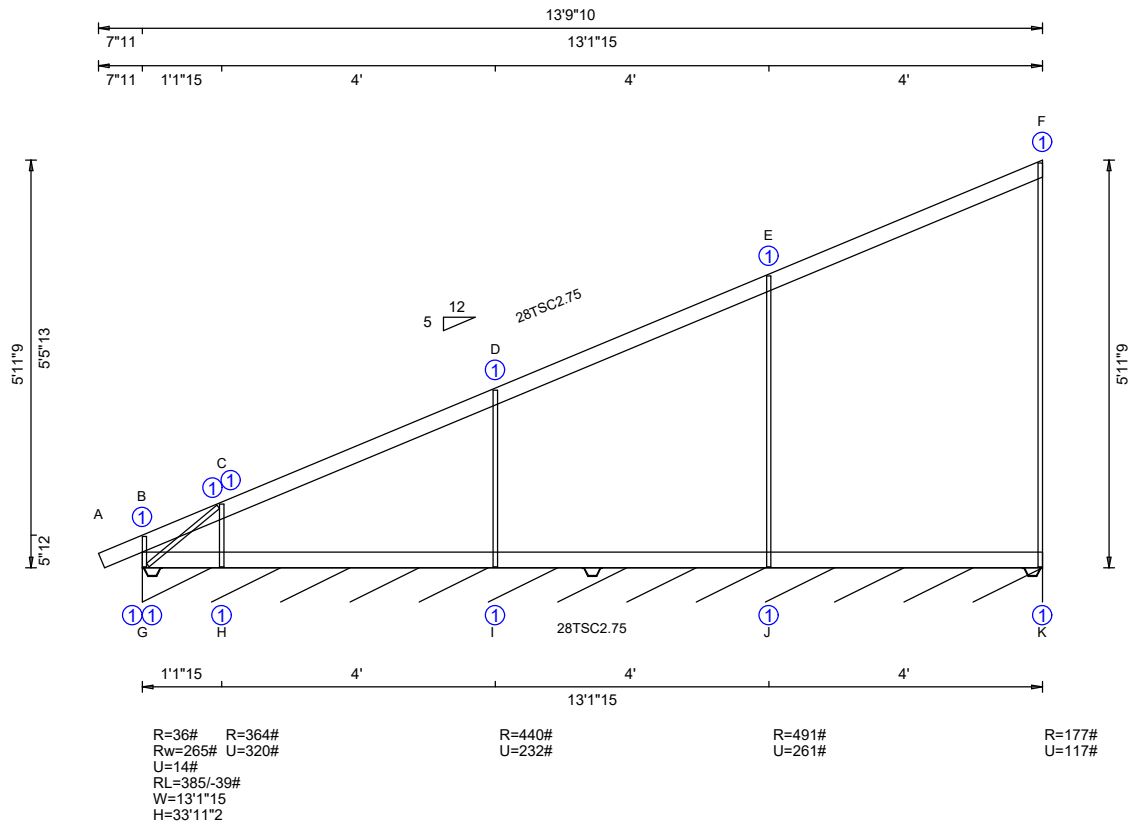
QTY= 2 TOTAL= 2
 TRUSS TAG NUMBER: T22

JOB NUMBER: S1401
 JOB NAME: Belmont Academy - (Escort Load)

DATE: 08/04/2020
 SCALE = 0.2897
 CUST: USR 6704

DESIGNED BY:
 CHECKED BY: JREF:
 COVER SHEET ID: TS1-080320-150904

DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of rigid ceiling use purlins to brace BC @ 120" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 37.01 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 4.50 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCp1: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind

Left End Vertical	No
Deflection meets	N/A
Right End Vertical	No
Deflection meets	N/A
Left End Cant.	No
Right End Cant.	No

Snow Criteria

Pg:	N/A
Pf:	N/A
Cat:	N/A
Ct:	N/A
Ce:	N/A
Cs:	N/A

Deflection

BC Deflection meets		
L/360 live L/240 total		
Max. Deflection(in)		
Live	Total	XLoc(ft)
0.02	0.04	12.45 V
-0.01	-0.01	10.31 H

Fasteners

Callout	Color	Name
○	Blue	14AMDB1.25
□	Red	14AMDR1.5
△	Gold	14AMS.75

Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.338 BC 0.555

Chords	Tens.	Comp.
--------	-------	-------

A - B	24	0
B - C	51	-12
C - D	72	-314
D - E	72	-193
E - F	55	-83
G - H	0	0
H - I	0	0
I - J	0	0
J - K	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.863

Webs	Size	Tens.	Comp.
------	------	-------	-------

B - G	33W.75x.75	114	-59
C - G	33W.75x.75	51	-499
C - H	33W.75x.75	358	-288
D - I	33W.75x.75	272	-360
E - J	33W.75x.75	306	-402
F - K	33W.75x.75	133	-145

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

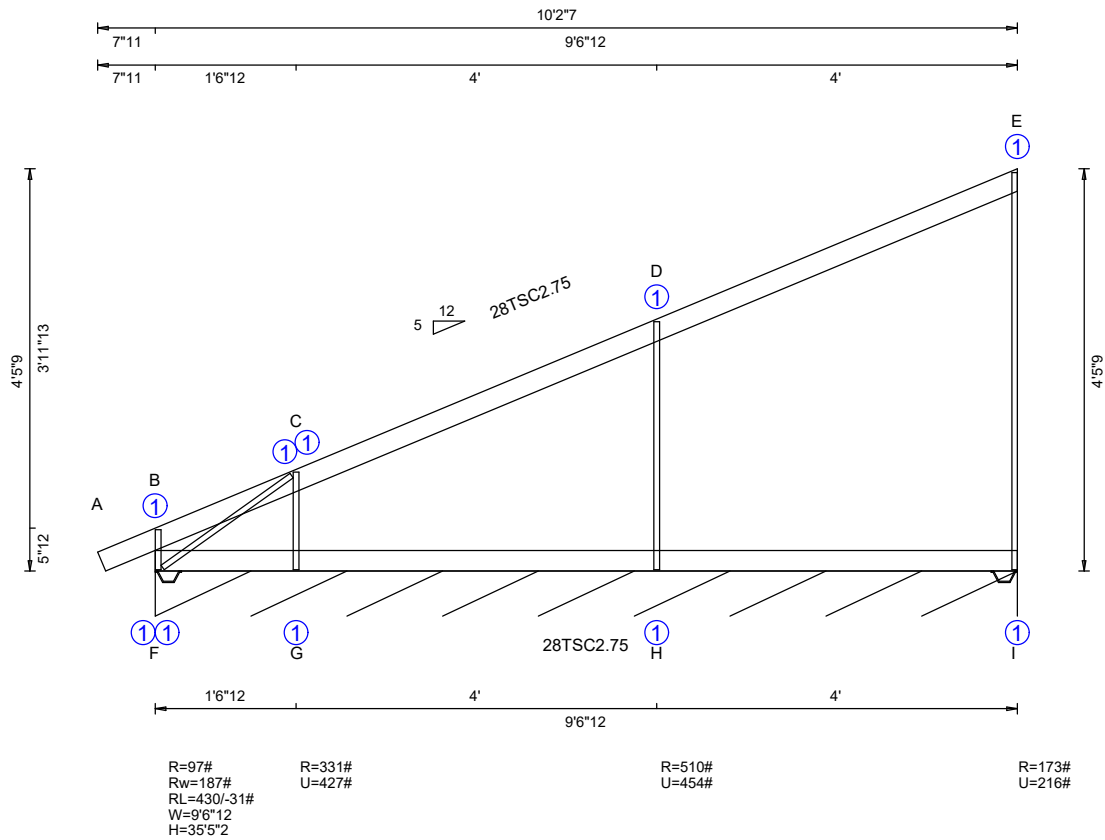


VB05

SEQ = 1398
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T24

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
DESIGNED BY: SCALE = 0.3594
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 115" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 37.76 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Any
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.04 -0.05 8.85 V
-0.01 -0.01 10.68 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.559 BC 0.566
Chords Tens. Comp.

A - B	24	0
B - C	87	-19
C - D	77	-315
D - E	54	-106
F - G	0	0
G - H	0	0
H - I	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.371
Webs Size Tens. Comp.

B - F	33W.75x.75	205	-94
C - F	33W.75x.75	38	-528
C - G	33W.75x.75	460	-267
D - H	33W.75x.75	500	-418
E - I	33W.75x.75	231	-142

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



VB06

SEQ = 1396
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T1

JOB NAME:
Belmont Academy - (Escort Load)

DATE:

08/04/2020

DESIGNED BY:

08/04/2020

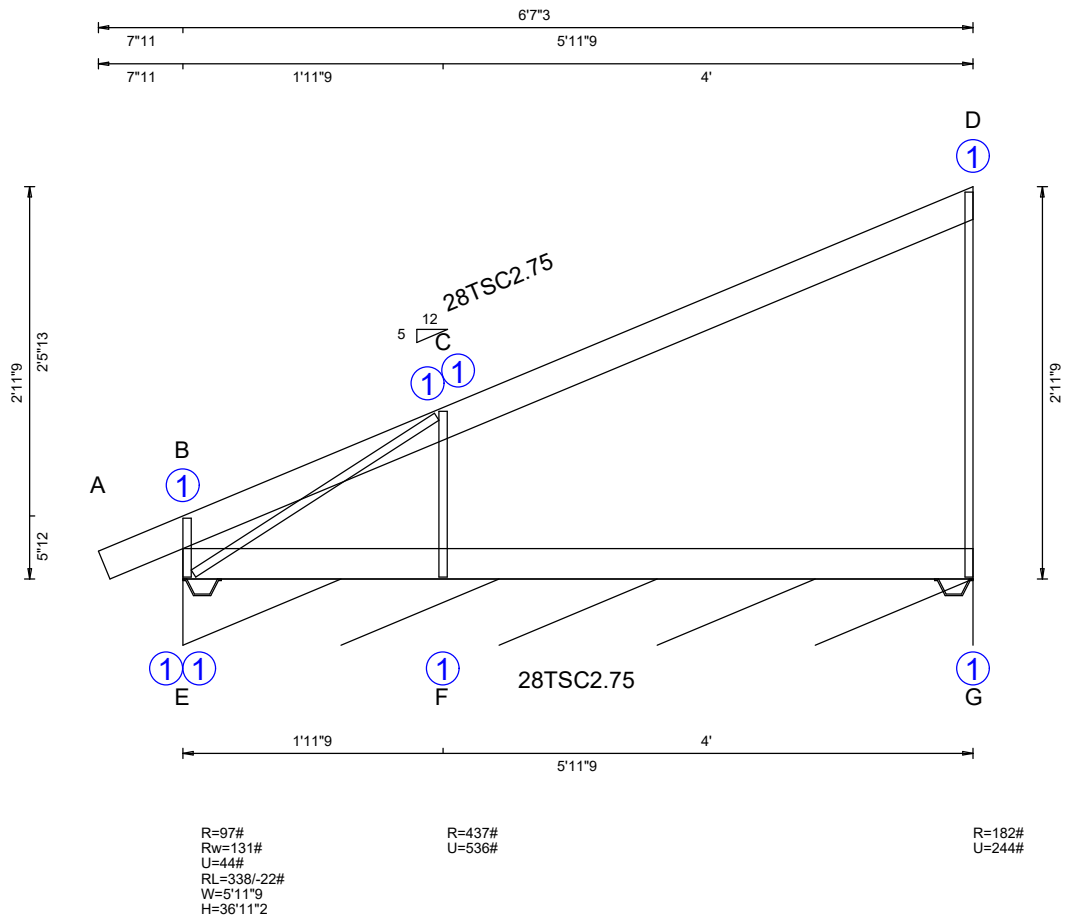
CHECKED BY:

JREF:

COVER SHEET ID:

TS1-080320-150904

DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with thein lieu of rigid ceiling use purlins to brace BC @ 72" oc.
Building Designer's requirements.

See DWG TS026, TS026A, or TS026B for the applicable valley detail.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 38.51 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Any
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
-0.05 -0.06 5.25 V
-0.00 -0.00 7.08 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners
shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.660 BC 0.176
Chords Tens. Comp.

A - B	24	0
B - C	101	-19
C - D	56	-117
E - F	0	0
F - G	0	0

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.390
Webs Size Tens. Comp.

B - E	33W.75x.75	239	-95
C - E	33W.75x.75	27	-402
C - F	33W.75x.75	578	-352
D - G	33W.75x.75	260	-149

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

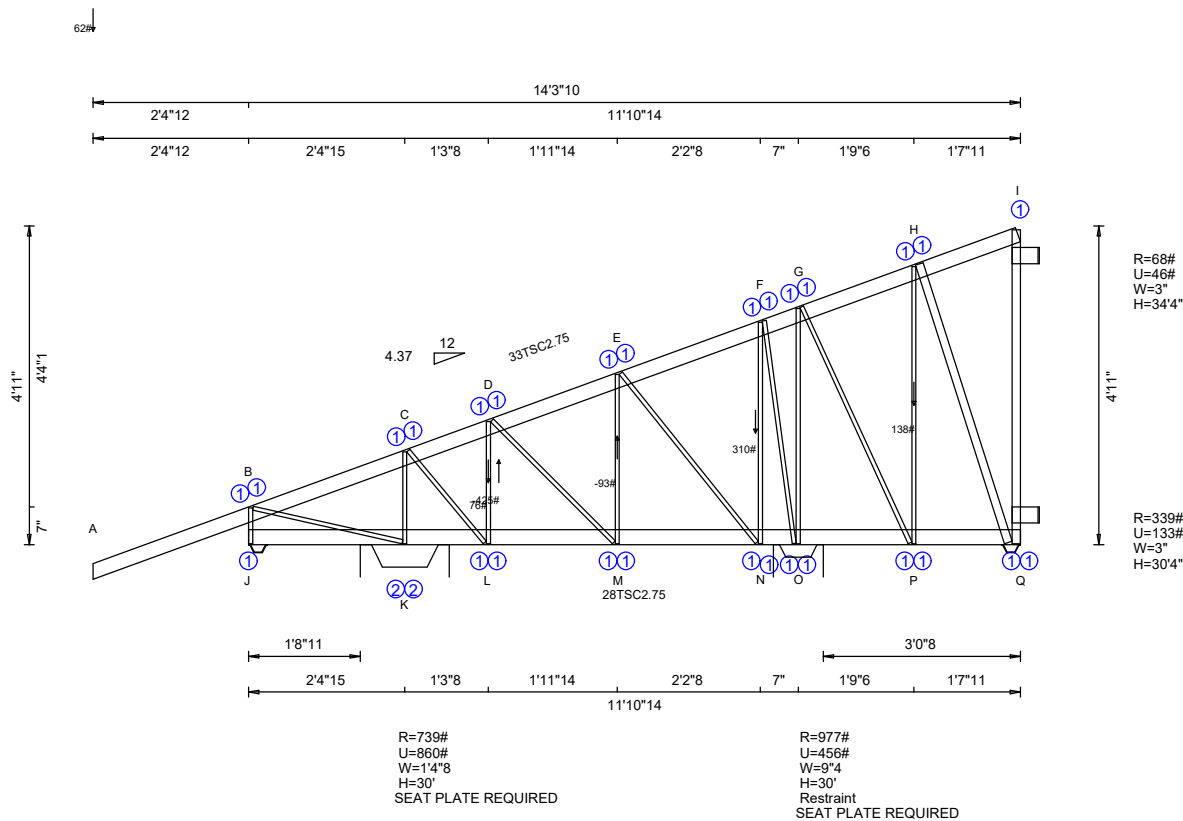


VB07

SEQ = 1394
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 2 TOTAL= 2
TRUSS TAG NUMBER: T9

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE: 0.6965
CUST: USR 6704
DESIGNED BY:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	-2.40	11.90	Structural Panels
BC	0.00	8.48	Purlins at 102"
BC	8.48	11.90	Purlins at 41"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

Sub-fascia beam assumptions: 4-1-5 sub-fascia beam on the 0-0-0 cantilever side. 4-1-5 sub-fascia beam on the 0-10-11 cantilever side.

Hipjack supports 8-5-0 setback jacks with 0-0-0 cantilever one face; 0-10-11 cantilever opposite face.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 32.30 ft
C&C Dist a: 3.00 ft
Loc. from endwall: NA
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.14 0.26 -2.40 V
0.05 0.09 -2.40 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
X Red 14AMDR1.5
Diamond Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.590 BC 0.982			
Chords	Tens.	Comp.	Chords
A - B	78	-46	K - L
B - C	782	-409	L - M
C - D	576	-100	M - N
D - E	220	-88	N - O
E - F	55	-29	O - P
F - G	55	-36	P - Q
G - H	30	-67	
H - I	21	-24	
J - K	0	0	

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.496			
Webs	Size	Tens.	Comp.
B - J	33W.75x.75	38	-38
B - K	33W.75x.75	393	-765
C - K	33W.75x.75	730	-550
C - L	33W.75x.75	588	-700
D - L	33W.75x.75	616	-586
D - M	33W.75x.75	442	-144
E - M	33W.75x.75	81	-377
E - N	33W.75x.75	276	-162
F - N	33W.75x.75	104	-284

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



K1A

SEQ = 1299
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 1 TOTAL= 1
TRUSS TAG NUMBER: T16

JOB NAME:
Belmont Academy - (Escort Load)

SCALE = 0.3407 CUST: USR 6704

CHECKED BY: JREF:

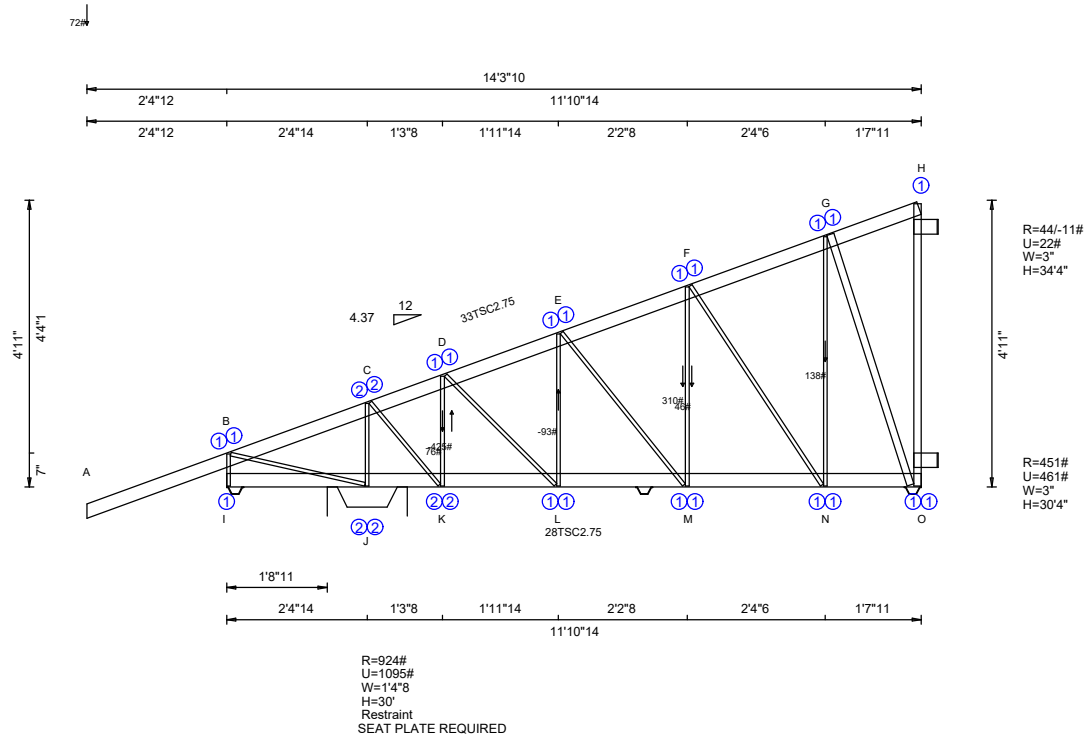
TS1-080320-150904

JOB NUMBER:
S1401

DATE: 08/04/2020

DESIGNED BY:

COVER SHEET ID:
DRAWING NUMBER:



Special loads

TC: From 90 plf at -2.40 to 90 plf at 3.70
 TC: From 45 plf at 3.70 to 45 plf at 10.26
 TC: From 90 plf at 10.26 to 90 plf at 11.90
 BC: From 4 plf at -2.40 to 4 plf at 0.00
 BC: From 8 plf at 0.00 to 8 plf at 1.72
 BC: From 20 plf at 1.72 to 20 plf at 3.70
 BC: From 10 plf at 3.70 to 10 plf at 10.26
 BC: From 20 plf at 10.26 to 20 plf at 11.90
 PL: 75.80 lb Conc. Load at (3.70,30.96)
 PL: -425.03 lb Conc. Load at (3.86,30.96)
 PL: -92.55 lb Conc. Load at (5.69,31.32)
 PL: 309.66 lb Conc. Load at (7.82,31.72)
 PL: 46.30 lb Conc. Load at (7.97,31.72)
 PL: 138.09 lb Conc. Load at (10.26,32.15)

Hipjack supports 5-10-11 setback jacks with 0-0-0 cantilever one face; 0-10-11 cantilever opposite face.

Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Building Designer's requirements.

Laterally Restrain Chords as follows:
 Chord Type Start(ft) End(ft) Restraint
 Sloped TC -2.40 11.90 Structural Panels
 BC 0.00 2.41 Purlins at 29"
 BC 2.41 11.90 Purlins at 110"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

The following trusses need concentrated loads at the end of their overhangs: 2-0-0 span/setback member on the 0-0-0 cant side requires 12 lbs and the 4-0-0 span/setback member on the 0-10-11 cant side requires 66 lbs.

Sub-fascia beam assumptions: 3-1-5 sub-fascia beam on the 0-0-0 cantilever side. 5-1-5 sub-fascia beam on the 0-10-11 cantilever side.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
 FBC2017Com
Design Criteria
 AISI S100-2012
Loading Standard
 ASCE 7-10

Wind Criteria
 Risk Category: II
 Exposure: C
 TC DL=5.00 psf
 Mean Height: 32.30 ft
 C&C Dist a: 3.00 ft
 Loc. from endwall: NA
 Wind Reactions based on both MWFRS and C&C
 Member Design based on both MWFRS and C&C

Ends Exposed to Wind
 Left End Vertical No
 Deflection meets N/A
 Right End Vertical No
 Deflection meets N/A
 Left End Cant. No
 Right End Cant. No

Snow Criteria
 Pg: N/A
 Pf: N/A
 Cat: N/A
 Ct: N/A
 Ce: N/A
 Cs: N/A

Deflection
 BC Deflection meets
 L/360 live L/240 total
 Max. Deflection(in)
 Live Total XLoc(ft)
 0.13 0.26 -2.40 V
 0.05 0.09 -2.40 H

Fasteners
 Callout Color Name
 O Blue 14AMDB1.25
 □ Red 14AMDR1.5
 X Gold 14AMS.75
 Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.587 BC 0.996

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	78	-46	K - L	47	-380
B - C	763	-405	L - M	291	-381
C - D	451	-67	M - N	270	-357
D - E	401	-319	N - O	154	-167
E - F	387	-304			
F - G	183	-185			
G - H	22	-32			
I - J	0	0			
J - K	377	-726			

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.921

Webs	Size	Tens.	Comp.	Webs	Size	Tens.	Comp.
B - I	33W.75x.75	34	-44	F - N	33W.75x.75	346	-323
B - J	33W.75x.75	386	-744	G - N	33W.75x.75	393	-521
C - J	33W.75x.75	945	-716	G - O	33W.75x1.5	547	-506
C - K	33W.75x.75	775	-919	H - O	33W.75x1.5	451	-461
D - K	33W.75x.75	821	-735				
D - L	33W.75x.75	597	-240				
E - L	33W.75x.75	121	-485				
E - M	33W.75x.75	364	-51				
F - M	33W.75x.75	264	-352				

Loading Criteria

TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



K1

JOB NAME:
 Belmont Academy - (Escort Load)

JOB NUMBER:
 S1401

DATE: 08/04/2020

DESIGNED BY:

SCALE = 0.3066

COVER SHEET ID:

CHECKED BY:

DRAWING NUMBER:

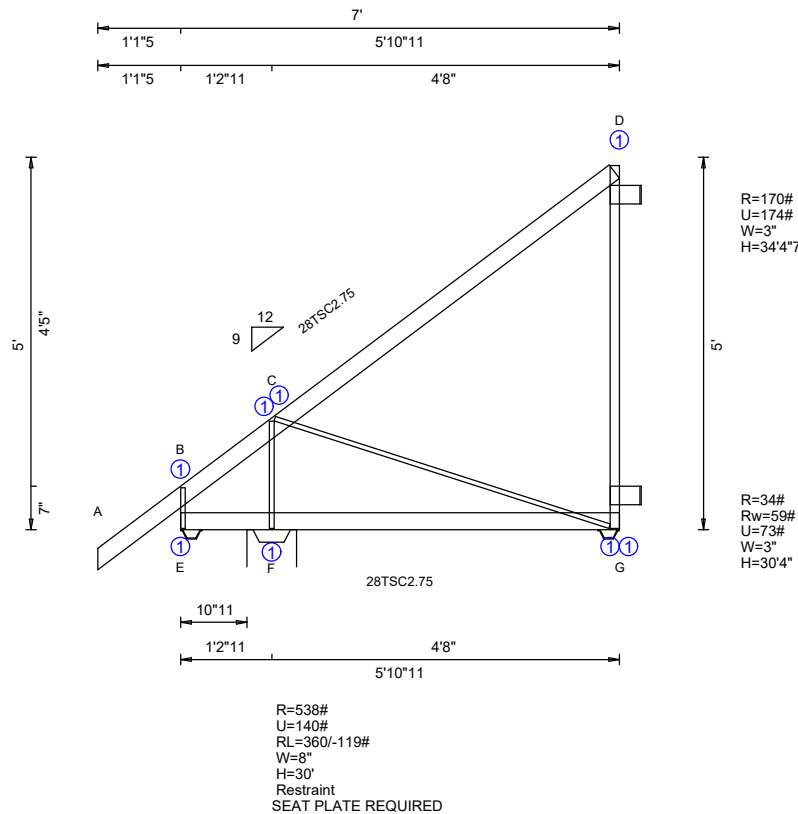
T21

TS1-080320-150904

SEQ = 1323

GALVANIZATION=G60

REV. 17.02.02B.0123.10



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	-1.11	5.89	Structural Panels
BC	0.00	1.22	Purlins at 15"
BC	1.22	5.89	Purlins at 56"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 32.38 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.01 0.10 3.72 V
0.01 0.06 -1.11 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.577 BC 0.902		
Chords	Tens.	Comp.
A - B	64	0
B - C	107	-36
C - D	99	-143
E - F	0	0
F - G	119	-360

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.316				
Webs	Size	Tens.	Comp.	
B - E	33W.75x.75	113	-96	
C - F	33W.75x.75	63	-418	
C - G	33W.75x.75	378	-125	
D - G	33W.75x1.5	174	-170	

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

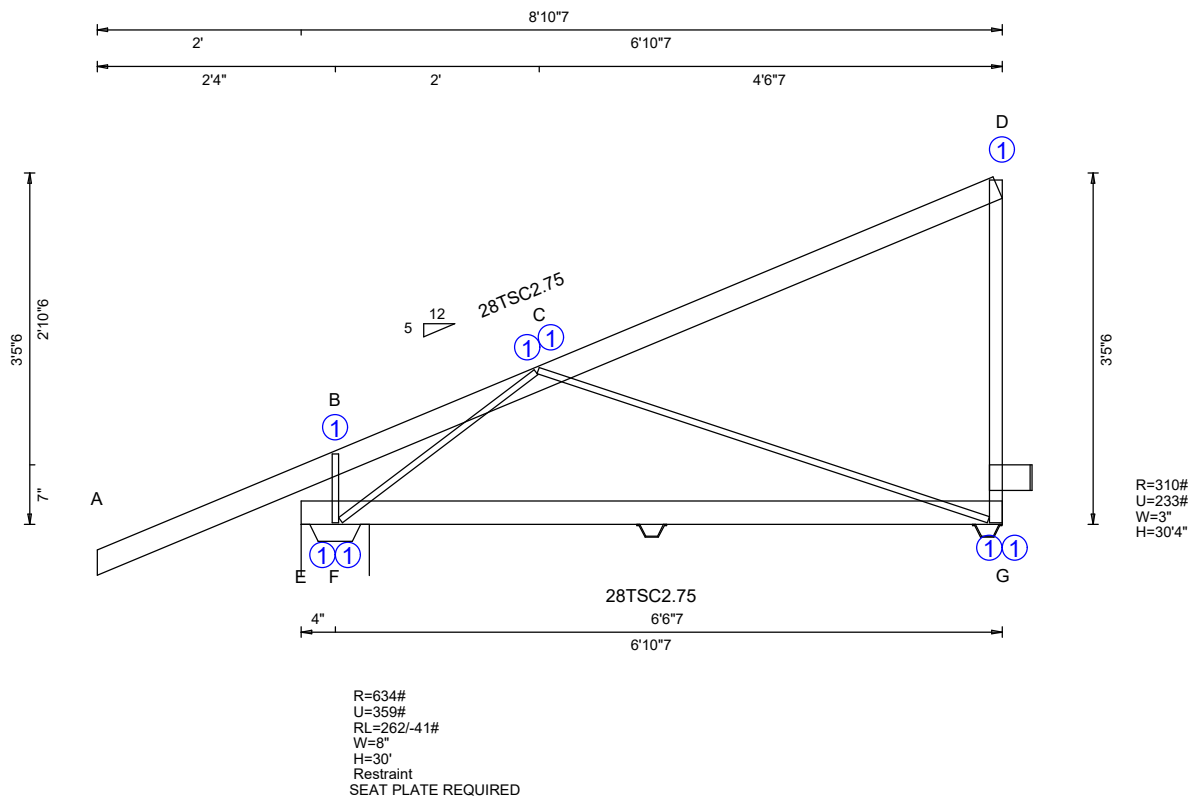


J1

SEQ = 1227
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 13 TOTAL= 13
TRUSS TAG NUMBER: T7

JOB NUMBER: S1401	JOB NAME: Belmont Academy - (Escort Load)	
	DATE: 08/04/2020	SCALE = 0.3916
DESIGNED BY:	CHECKED BY:	JREF:
COVER SHEET ID: TS1-080320-150904		
DRAWING NUMBER:		



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the lieu of rigid ceiling use purlins to brace BC @ 69" oc. Building Designer's requirements.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 31.60 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 4.50 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.07 0.18 -2.00 V
0.03 0.08 -2.00 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.658 BC 0.984		
Chords	Tens.	Comp.
A - B	84	0
B - C	201	-86
C - D	68	-87
E - F	0	0
F - G	226	-284

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.583				
Webs	Size	Tens.	Comp.	
B - F	33W.75x.75	479	-378	
C - F	33W.75x.75	98	-283	
C - G	33W.75x.75	299	-238	
D - G	33W.75x1.5	179	-182	

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

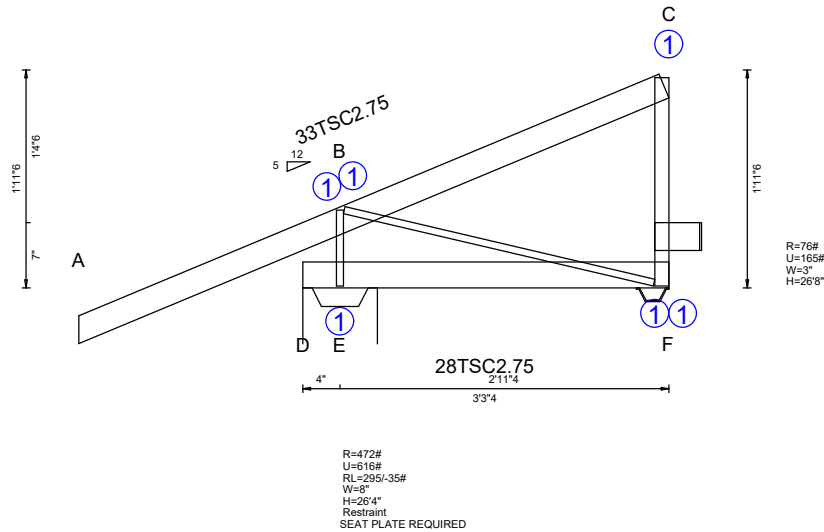


C6

SEQ = 1305
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 4 TOTAL= 4
TRUSS TAG NUMBER: T5

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE: 0.5360
CUST: USR 6704
DESIGNED BY:
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with their lieu of rigid ceiling use purlins to brace BC @ 39" oc. Building Designer's requirements.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com

Design Criteria
AISI S100-2012

Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 27.18 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Any
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C

Ends Exposed to Wind

Left End Vertical	No
Deflection meets	N/A
Right End Vertical	No
Deflection meets	N/A
Left End Cant.	No
Right End Cant.	No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)

Live	Total	XLoc(ft)
-0.25	-0.28	-2.00 V
-0.10	-0.12	-2.00 H

Fasteners

Callout	Color	Name
○	Blue	14AMDB1.25
□	Red	14AMDR1.5
◇	Gold	14AMS.75

Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.968 BC 0.206		
Chords	Tens.	Comp.
A - B	84	0
B - C	28	-79
D - E	0	0
E - F	35	-295

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.422			
Webs	Size	Tens.	Comp.
B - E	33W.75x.75	626	-436
B - F	33W.75x.75	303	-36
C - F	33W.75x1.5	127	-74

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

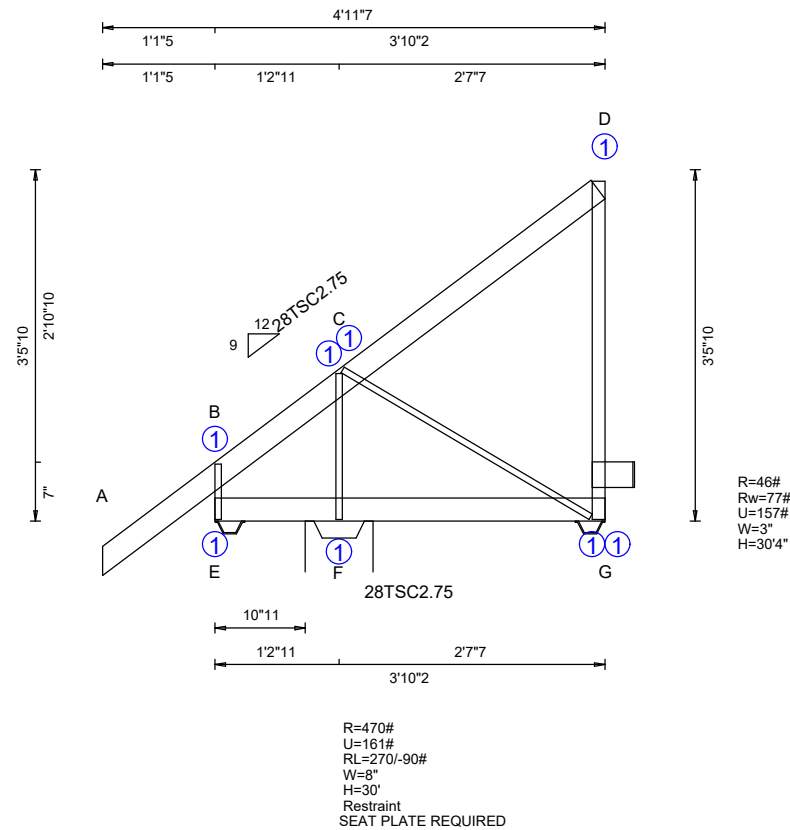
1240 Lake Orange Drive, Suite 150, Orlando, FL 32837 / (407) 590-7054/4061
12222 Riverport Drive, Suite 200, Maryland Heights, MO 63043 / (888) 321-6760

C5
QTY= 4 TOTAL= 4
TRUSS TAG NUMBER: T6

JOB NUMBER: S1401
DATE: 08/04/2020
DESIGNED BY:
DRAWING NUMBER:

JOB NAME: Belmont Academy - (Escort Load)
SCALE = 0.5883
CHECKED BY: JREF:
COVER SHEET ID: TS1-080320-150904

SEQ = 1308
GALVANIZATION=G60
REV. 17.02.02B.0123.10



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:
Building Designer's requirements.

See TS standard detail book for truss to truss connections. Non-standard connections to be designed and approved by a Registered Design Professional.

Chord Type Start(ft) End(ft) Restraint
Sloped TC -1.11 3.85 Structural Panels
BC 0.00 1.22 Purlins at 15"
BC 1.22 3.85 Purlins at 31"
NOTE: Unless restrained by a bearing or structural panels,
a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 31.61 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 9.00 ft
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.02 0.08 -1.11 V
0.02 0.06 -1.11 H

Fasteners
Callout Color Name
O Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners
shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.370 BC 0.562		
Chords	Tens.	Comp.
A - B	64	0
B - C	111	-41
C - D	41	-94
E - F	0	0
F - G	90	-270

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.211			
Webs	Size	Tens.	Comp.
B - E	33W.75x.75	156	-134
C - F	33W.75x.75	0	-282
C - G	33W.75x.75	313	-104
D - G	33W.75x1.5	75	-82

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf

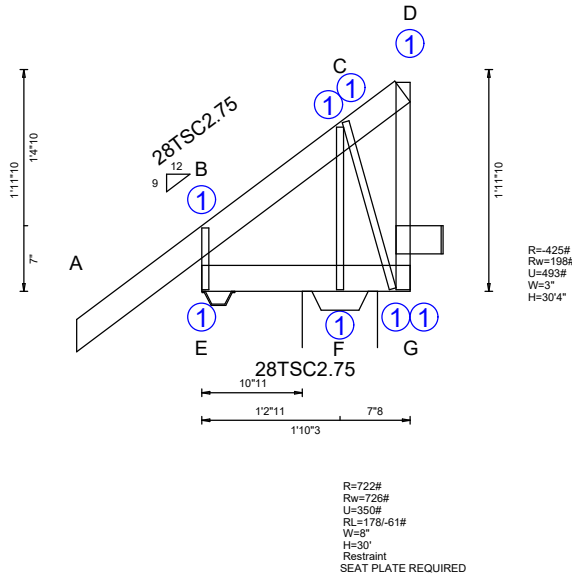


C3

SEQ = 1317
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 4 TOTAL= 4
TRUSS TAG NUMBER: T25

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE = 0.5327
CUST: USR 6704
DESIGNED BY: JREF:
CHECKED BY:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:



Purlins are shown to indicate required spacing only. Purlin size, grade, orientation and placement shall comply with the Laterally Restrain Chords as follows:

Chord Type	Start(ft)	End(ft)	Restraint
Sloped TC	- 1.11	1.85	Structural Panels
BC	0.00	1.22	Purlins at 15"
BC	1.22	1.85	Purlins at 7"

NOTE: Unless restrained by a bearing or structural panels, a purlin is required at each end of all zones shown.

This drawing must be reviewed by a Registered Design Professional before use. Refer to the job cover sheet referenced on this drawing for general notes, warnings, important information and specifications.

Building Code
FBC2017Com
Design Criteria
AISI S100-2012
Loading Standard
ASCE 7-10

Wind Criteria
Speed: 140 mph
Exposure: C
TC DL=5.00 psf
Mean Height: 30.86 ft
C&C Dist a: 3.00 ft
Loc. from endwall: Greater than 4.50 ft
Wind Reactions based on both MWFRS and C&C
Member Design based on both MWFRS and C&C
Risk Category: II
Enclosure: Closed
BC DL=5.00 psf
GCpi: 0.18
MWFRS Part Dist: 0 to h/2

Ends Exposed to Wind
Left End Vertical No
Deflection meets N/A
Right End Vertical No
Deflection meets N/A
Left End Cant. No
Right End Cant. No

Snow Criteria
Pg: N/A
Pf: N/A
Cat: N/A
Ct: N/A
Ce: N/A
Cs: N/A

Deflection
BC Deflection meets
L/360 live L/240 total
Max. Deflection(in)
Live Total XLoc(ft)
0.04 0.08 -1.11 V
0.03 0.06 -1.11 H

Fasteners
Callout Color Name
○ Blue 14AMDB1.25
□ Red 14AMDR1.5
◇ Gold 14AMS.75
Minimum number of fasteners shown per member

MAXIMUM CHORD FORCES PER PLY (lbs) Max. Chord CSI TC 0.362 BC 0.450		
Chords	Tens.	Comp.
A - B	64	0
B - C	120	-53
C - D	188	-162
E - F	0	0
F - G	61	-178

MAXIMUM WEB FORCES PER PLY (lbs) Max. WEB CSI 0.442				
Webs	Size	Tens.	Comp.	
B - E	33W.75x.75	171	-168	
C - F	33W.75x.75	34	-288	
C - G	33W.75x.75	655	-226	
D - G	33W.75x1.5	236	-314	

Loading Criteria	
TC LL	20.0 psf
TC DL	25.0 psf
BC LL	0.0 psf
BC DL	10.0 psf
TOT. LD	55.0 psf
SPACING	24.0"
NCBCLL	0.0 psf
SOFFIT	2.0 psf



C1

JOB NUMBER: S1401
JOB NAME: Belmont Academy - (Escort Load)
DATE: 08/04/2020
SCALE: 0.5927
DESIGNED BY:
CHECKED BY:
COVER SHEET ID: TS1-080320-150904
DRAWING NUMBER:

SEQ = 1311
GALVANIZATION=G60
REV. 17.02.02B.0123.10

QTY= 4 TOTAL= 4
TRUSS TAG NUMBER: T17

Abbreviations:-

AISI - American Iron and Steel Institute	CFSBCSI - Cold-Formed Steel Building Component Safety Information
AMD - TrusSteel Double Shear Fastener	CFSC - Cold-Formed Steel Council
AMS - TrusSteel Single Shear Fastener	Mat'l - Material
DWG - Drawing	N/A - Not Applicable
FBC - Florida Building Code	ga - Gauge
IBC - International Building Code	O.C. - On Center
IRC - International Residential Code	PB - Pitch Break

Truss Reaction Descriptions:-

Bearing Information:

W = Bearing Width H = Bearing Elevation (if shown)
Restraint = Bearing is considered a lateral restraint for the Chord Member. The truss-to-bearing connection and supporting structure must be capable of providing this restraint.

Vertical Reactions:

R = Maximum Gravity load reaction. May show both directions (if applicable).
U = Maximum Uplift load reaction from wind, unless Rw is negative and greater than U, then U = Rw.
Rw = Maximum Downward reaction from a short term load case (wind or seismic).

Horizontal Reactions:

RL = Maximum Short Term Load Case (wind or seismic) reaction. May show both directions (if applicable).
Rh = Maximum Gravity load reaction. May show both directions (if applicable).

Reaction Directions:-

Vertical Reaction U:

U is always listed as positive and always means truss is trying to move upwards at the bearing and represents an uplift reaction.

Vertical Reactions R and Rw:

Horizontal Reactions RH:

Positive Reaction = truss trying to move downward at the bearing. Positive Reaction = truss trying to move to the left at the bearing.
Negative Reaction = truss trying to move upward at the bearing. Negative Reaction = truss trying to move to the right at the bearing.

General Notes:-

1. **WARNING!** READ AND FOLLOW ALL NOTES ON THIS PAGE AND ALL TRUSS DRAWINGS!
2. **IMPORTANT** FURNISH THIS PAGE AND ALL TRUSS DRAWINGS TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
3. Trusses require extreme care in fabricating, handling, shipping, installing and bracing, refer to TrusSteel Technical Bulletin TB98.07.17. Follow the latest edition of CFSBCSI (Cold-Formed Steel Building Component Safety Information, by CFSC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per CFSBCSI. Unless noted otherwise, the top chords shall have properly attached structural sheathing and the bottom chords shall have a properly attached rigid ceiling. Permanent bracing systems and associated members and connections, including web CLR's, shall be specified by the Building Designer in accordance with AISI S214 Sections B4.5 and B6.
4. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing and the truss drawings, any failure to build the truss in conformance with S214 - North American Standard for Cold-Formed Steel Framing - Truss Design, by AISI, or for handling, shipping, installation and bracing of trusses. A seal on this drawing, the truss drawings, or cover page listing this drawing and truss drawings, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing and the truss drawing for any structure is the responsibility of the Building Designer per S214. For more information, refer to these websites. TrusSteel: www.trussteel.com; CFSC: www.cfsc.sbindustry.com; CFSEI: www.cfsei.org; AISI: www.steel.org
5. Failure to follow provisions of CFSBCSI regarding good practice for handling, installing, restraining, and bracing cold-formed steel trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. For Trusses over 60 feet in length, CFSBCSI requires consultation with a Registered Design Professional regarding the installation bracing of the truss system.
6. Unless otherwise shown or stated on the truss drawing, as a minimum, every truss chord segment shall be laterally restrained at each end.
7. TrusSteel trusses are to be used in an environment that isolates them from direct exposure to outside elements and other corrosive environments. Contact a TrusSteel engineer for details.
8. Refer to AISI S214 for the Truss Design Engineer, Truss Manufacturer, and Building Designer responsibilities pertaining to the use of cold-formed steel trusses on a structure.
9. Refer to AISI S202, "Code of Standard Practice for Cold-Formed Steel Structural Framing", for trade practices regarding the design, fabrication, and installation of cold-formed Steel structural framing

Web Bracing Notes:-

1. CLR - Continuous Lateral Restraint - Continuous lateral restraint equally spaced on member.
2. CS - C-Stud Scab Brace - 362S162-33 scab, end within 2" from each chord. Attach to the web with #10 SDS screws through the front face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
3. CT - C-Stud T-Brace - 362S162-33 T-brace, end within 2" from each chord. Attach to the web with #10 SDS screws through the side face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
4. HS - Hat Channel Scab Brace - 150F125-33 scab, end within 2" from each chord. Attach to the web with #10 SDS screws through the front face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
5. HT - Hat Channel T-Brace - 150F125-33 T-brace, end within 2" from each chord. Attach to the web with #10 SDS screws through the side face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
6. CH2 - TSC2.75 Chord Scab - 28TSC2.75 1.5x2.75-28-55KSI scab, end with 2" from each chord. Attach to the web with 14AMDB1.25 fasteners through the from face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
7. CH3 - TSC3.00 Chord Scab - 28TSC3.00 2.5x3.00-28-55KSI scab, end with 2" from each chord. Attach to the web with 14AMDB2.125 fasteners through the from face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.
8. CH4 - TSC4.00 Chord Scab - 28TSC4.00 2.5x4.00-28-55KSI scab, end with 2" from each chord. Attach to the web with 14AMDB2.125 fasteners through the from face, 1" from each end and 24" O.C. See DWG TS019 for web stiffener details.

TrusSteel Steel Specifications:-

TSC Chord Specifications:

TSC2.75 Sizes:	28TSC2.75 1.5x2.75-28-55 KSI 33TSC2.75 1.5x2.75-33-55 KSI 43TSC2.75 1.5x2.75-43-55 KSI
TSC3.00 Sizes:	28TSC3.00 2.5x3.00-28-55 KSI 33TSC3.00 2.5x3.00-33-55 KSI 43TSC3.00 2.5x3.00-43-55 KSI 54TSC3.00 2.5x3.00-54-55 KSI
TSC4.00 Sizes:	28TSC4.00 2.5x4.00-28-55 KSI 33TSC4.00 2.5x4.00-33-55 KSI 43TSC4.00 2.5x4.00-43-55 KSI 54TSC4.00 2.5x4.00-54-55 KSI 68TSC4.00 2.5x4.00-68-50 KSI 97TSC4.00 2.5x4.00-97-50 KSI

Steel: For 28TSC, 33TSC, 43TSC and 54TSC
ASTM A653-09 SS Grade 50 Class 1 modified,
minimum Fy = 55 KSI and minimum Fu = 65 KSI

Steel: For 68TSC and 97TSC
ASTM A653-09 SS Grade 50 Class 1,
minimum Fy = 50 KSI and minimum, Fu = 65 KSI

Galvanization: ASTM A653-09 G60 or G90

Bare Metal Thickness: 28TSC = 22ga = 28mils = 0.0284"
33TSC = 20ga = 33mils = 0.0329"
43TSC = 18ga = 43mils = 0.0428"
54TSC = 16ga = 54mils = 0.0538"
68TSC = 14ga = 68mils = 0.0677"
97TSC = 12ga = 97mils = 0.0966"

Tube Web Specifications:

TSC2.75 Sizes:	33W.75x.75 .75x.75-33-45 KSI 33W.75x1.5 .75x1.5-33-45 KSI 33W.75x2.25 .75x2.25-33-45 KSI
TSC3.00 &	33W1.5x.75 1.5x.75-33-45 KSI
TSC4.00 Sizes:	33W1.5x1.5 1.5x1.5-33-45 KSI 47W1.5x1.5 1.5x1.5-47-45 KSI 56W1.5x1.5 1.5x1.5-56-45 KSI 33W1.5x2.0 1.5x2.0-33-45 KSI 47W1.5x2.5 1.5x2.5-47-45 KSI 63W1.5x3.5 1.5x3.5-63-45 KSI

Steel: For 33W, 47W and 63W
ASTM A500-010 Grade A welded tubing modified,
minimum Fy = 45 KSI and minimum Fu = 55 KSI

Galvanization: ASTM A653-09 G60 or G90 or equivalent

Bare Metal Thickness: 33W = 20ga = 33mils = 0.033"
47W = 18ga = 47mils = 0.047"
63W = 16ga = 63mils = 0.063"

Rolled Formed Web Specifications:

TSC3.00 &	33C1.5x1.50 1.5x1.50-33-40 KSI
TSC4.00 Sizes:	33Z1.5x1.62 1.5x1.62-33-40 KSI 43Z1.5x1.62 1.5x1.62-43-40 KSI 33Z1.5x2.50 1.5x2.50-33-40 KSI 43Z1.5x2.50 1.5x2.50-43-40 KSI 43Z1.5x3.62 1.5x3.62-43-40 KSI 54Z1.5x3.62 1.5x3.62-54-50 KSI

Steel: For 33C, 33Z and 43Z
ASTM A653-09 SS Grade 40,
minimum Fy = 40 KSI and minimum Fu = 55 KSI.

Steel: For 54Z
ASTM A653-09 SS Grade 50 Class 1,
minimum Fy = 50 KSI and minimum Fu = 65 KSI.

Galvanization: ASTM A653-09 G60 or G90 or equivalent

Bare Metal Thickness: 33C = 20ga = 33mils = 0.0329"
33Z = 20ga = 33mils = 0.0329"
43Z = 18ga = 43mils = 0.0428"
54Z = 16ga = 54mils = 0.0538"

Fastener:-

Descriptions - AMD and AMS:

#14 Hex Washer head self-drilling tapping screws manufactured from 1022 carbon steel wire. Buttress type thread with 13 threads per inch for the 14AMS.75, 14AMDB1.25, 14AMDR1.5, 14AMDB2.125, 14AMDR2.375 and 14AMD3.5 and 20 threads per inch for the 14AMD2.625. Fasteners are case hardened and have a zinc plated and chromate finish for corrosion protection.

Specifications:

Society of Automotive Engineers (SAE) J78 - General specifications, performance standard and case hardening requirements.
ASTM F1941 - Standard Specification for Electrodeposited Coatings on Threaded Fasteners.

Legend:

TSC2.75:	Callout	Color	Name
	○	Blue	14AMDB1.25
	□	Red	14AMDR1.5
	◇	Gold	14AMS.75

TSC3.00 and TSC4.00:	Callout	Color	Name
	○	Blue	14AMDB2.125
	□	Red	14AMDR2.375
	◇	Gold	14AMS.75
	○	Black	14AMD2.625

□ □ □ □ □ - Shape with leader line points to area to place fasteners
□ - Shape without leader line indicates quantity of fasteners in pitch break connector overlap area.

TC: ⌞ - Top shape indicates fasteners required in the slant area of the chord and bottom shape indicates fasteners required in the flat area of the chord.
BC: ⌞ - Top shape indicates fasteners required in the flat area of the chord and bottom shape indicates fasteners required in the slant area of the chord.

Standard Detail References:-

1. Refer to TrusSteel Standard Details for manufacturing, installation and design information regarding TrusSteel members and assemblies.
2. Fasteners - Refer to TS011
3. Chord/Chord and Chord/Web Connections

A) TSC2.75:

- 1) 33TSBUC3.5, 33TSHC3.5K, 43TSBUC3.5, 43TSHC3.5K - Refer to TS004.
- 2) K-web connections - Refer to TS004A.
- 3) 43TSSPC3.75 - Refer to TS004B.
- 4) TS68UP2W - Refer to TS004C.
- 5) Chord to web using clips or coped chords - Refer to TS004D.
- 6) SCT2 - Seat cut tube connection - Refer to TS004E.
- 7) Tube Splice - Refer to TS002A.
- 8) TS68UPS2 Splice - Refer to TS002B.
- 9) Chord end vertical connection - Refer to TS072

B) TSC3.00 and TSC4.00:

- 1) 43TSBUC5.0, 43TSHC5.0K, 54TSBUC5.0, 54TSHC5.0K - Refer to TS016.
- 2) K-web connections - Refer to TS016A.
- 3) 54TSSPC5.0 - Refer to TS016B.
- 4) Reinforced connections using 14AMS.75 - Refer to TS016C.
- 5) TS97UP4W - Refer to TS016D.
- 6) Chord to web using clips or coped chords - Refer to TS016E.
- 7) SCT4 - Seat cut tube connection - Refer to TS016F.
- 8) TS97UPS4 Splice - Refer to TS012B.
- 9) TSC4.00 Splices - Refer to TS012E.
- 10) TSC3.00 Splices - Refer to TS012F.
- 11) TSC3.00 To TSC4.00 Splices - Refer to TS012G.
- 12) TSC3.00 chord end vertical connection - Refer to TS072A.
- 13) TSC4.00 chord end vertical connection - Refer to TS072B.



2400 Lake Orange Drive, Suite 150, Orlando, FL 32837 / (800) 755-6001
13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043 / (800) 521-9790

Belmont Academy -(Escort Load)

**

JOB NUMBER: S1401	COVER SHEET ID: TS1-080320-150904
DATE: 08/04/2020	Page: 1 of 1
DESIGNED BY:	CHECKED BY:

