Job Name:	Truss ID: C11032	Qty: 1	SPACING: 2- 0- 0	PLY: 1	WEIGHT: 148.53

```
16-40   737 0.20  1
17-41  -645 0.56  1
18-42   394 0.08  1
19-43  -328 0.18  1
20-44   205 0.05  1
21-45   282 0.04  1
22-46 -1288 0.34  1
23-47   895 0.11  1
24-48 -3518 0.72  1  4B- 4B
25-49  -422 0.05  1
```

```
UPLIFT REACTION(S) :
Support   C&C Wind  Main Wind   Non-Wind
    1      -439 lb    -626 lb
    2      -439 lb    -626 lb
Type  ID  SECTION   Fy(ksi)    Joints
TC     1  20TC18        50
BC     1  20TC18        50
WEB    1  20TC18        50
 20 psf bottom chord live load NOT required
on this truss, per IBC/IRC requirements for
attics with limited storage.
```

```
THIS DESIGN IS THE COMPOSITE RESULT OF
 MULTIPLE LOAD CASES.
Loaded for 10 PSF non-concurrent BCLL.
Loaded for 200 lb non-concurrent moving
 BCLL.
Galvanization: G60
This truss is designed using the
ASCE7-16 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = B
Bldg Length =  60.00 ft, Bldg Width =  25.00 ft
Mean roof height =  11.91 ft, mph  =  160
Occupancy Category II, Wind Dead Load =  7.20 psf
Designed as Main Wind Force Resisting System
 - Low-rise and Components and Cladding
Tributary Area = 64 sqft
Uplifts based on elevation at or above     0 ft
```

```
This design based on chord bracing applied
per the following schedule:
          max o.c.     from        to
  TC        12.00"    -2- 0- 0    34- 0- 0
  BC        12.00"     0- 0- 0    32- 0- 0

      REACTIONS
BRG   X-LOC    SIZE    REACT   HORIZ
 1   0- 1-12  3.50"    2196       90
 2  31-10- 4  3.50"    2195       90
```

```
                DEFLECTION    LOC.  ALLOW.  LC
Vert TL:  -0.46" (L/827) 11-12  L/240   81
Vert LL:  -0.31" (L/999) 11-12  L/360   81
Horz TL:   0.15"
          Cantilever
Vert TL:  -0.11" (L/244) 25-OR  L/ 90   77
Vert LL:  -0.13" (L/201) 25-OR  L/120   77
```

```
===== Joint Locations =====
 1   0- 0- 0   26   0- 0- 0
 2   1- 6- 1   27   0- 2-12
 3   1- 7- 3   28   1- 7- 3
 4   3- 0-10   29   1- 9- 4
 5   3- 2- 6   30   4- 7- 9
 6   6- 2- 8   31   4- 9-10
 7   6- 4-13   32   7- 9-11
 8   9- 4-13   33   8- 0- 0
 9   9- 7- 3   34  11- 0- 0
10  12-10- 4   35  11- 2- 6
11  13- 0-10   36  14- 2- 7
12  15- 8-12   37  14- 4-13
13  16- 0- 0   38  17- 4-13
14  16- 1-13   39  17- 7- 3
15  19- 0- 0   40  20- 7- 3
16  19- 2- 6   41  20- 9-10
17  22- 2- 6   42  23- 9-11
18  22- 4-13   43  24- 0- 0
19  25- 4-14   44  27- 0- 5
20  25- 7- 3   45  27- 2- 6
21  28- 7-13   46  30- 1-14
22  28- 9-10   47  30- 3-14
23  30- 3-14   48  31- 9- 5
24  30- 5- 3   49  32- 0- 0
25  32- 0- 0
== X-Brac. Locations (Joints)==
   BC   TC
   34   10
   40   16
```

```
Each connection requires 3/8" diameter proprietary bolt supplied by NUCONSTEEL
SCRWS = The required number of double-sided #14 screws at each end of the truss member:  SP = Spacer supplied by NUCONSTEEL
```

NUTRUSS™
A NUCONSTEEL Product

WARNING *Read all notes on this sheet and verify all design parameters.*

Truss design on this sheet is only valid with NUTRUSS sections and is for an individual building component, not a truss system. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is part of the building design and which must be considered by the building designer. Bracing shown is lateral bracing of truss members only. Any additional bracing, temporary and/or permanent, is the responsibility of the truss erector and/or the building designer. The Professional Engineer's seal indicates only that the truss assembly shown on this sheet meets the acceptable design criteria for the loads, loading condition, truss configuration and spans specified.

When the specified screw count cannot be achieved at the chord to web connections, a 16 gauge gusset plate must be added on both sides of the connection. Typically, gusset plates are at pitch break joints."
Min. screw spacing = 9/16" and min. edge distance = 9/16".

Chk:
Dsgnr:

TC Live	42.00 psf
TC Dead	10.00 psf
BC Live	0.00 psf
BC Dead	10.00 psf
TOTAL	62.00 psf

WO: C11132_Trusses

Design Spec: AISI-2001
Buildg Spec: IBC-2018

Date: 11/22/2022@ 19:53:12
Seqn S8.1.0a - 6248