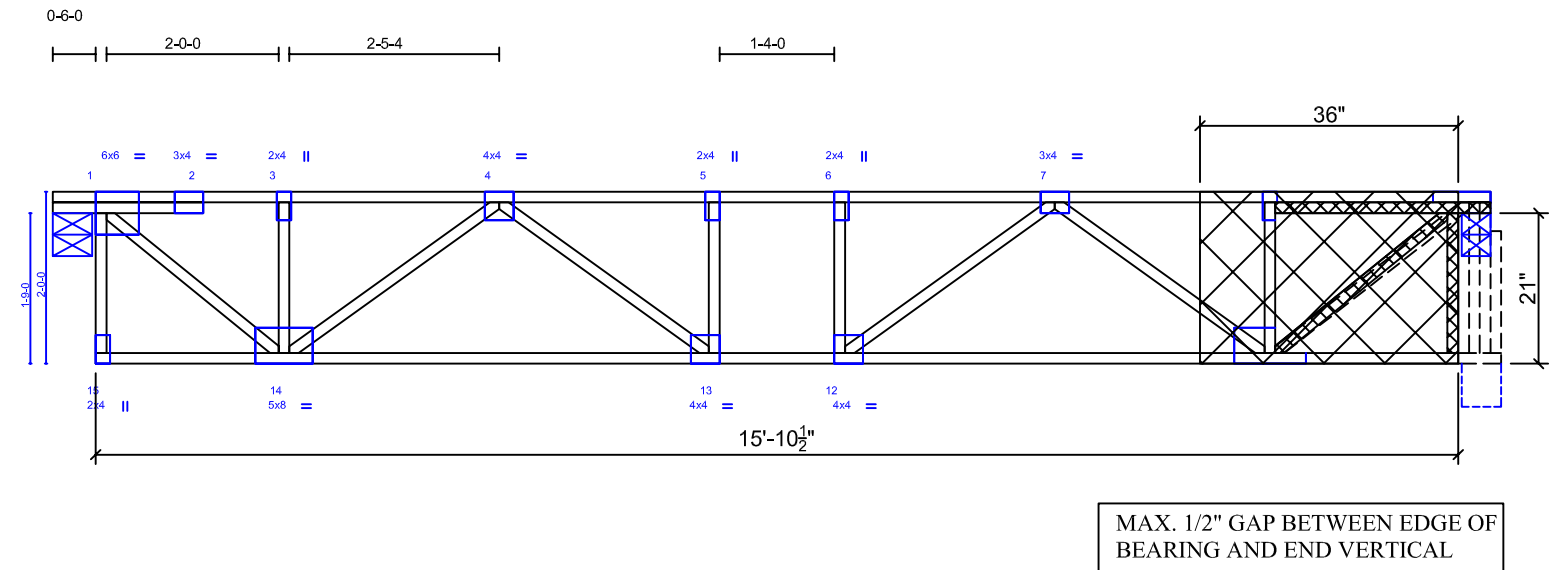


| | | | | | | |
|--------------|-------------|---------------------|-----------|----------|---------------|--------|
| Job 19305 | Truss F1 | Truss Type FLOOR | City 6 | Ply 1 | ALM.010522.02 | 100.00 |
|--------------|-------------|---------------------|-----------|----------|---------------|--------|

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| | | | | |
|---|-------|-------|-------|---------|
| 0-6-0 | 7-9-0 | 8-5-0 | 9-1-0 | 16-10-0 |
| 0-6-0 | 7-3-0 | 0-8-0 | 0-8-0 | 7-9-0 |
| Plate Offsets (X,Y)- [130-1-8,Edge], [50-1-8,Edge], [60-1-8,0-0-0], [90-3-0,Edge], [10-Edge,0-1-8], [120-1-8,Edge], [130-1-8,Edge], [160-1-8,0-1-8] | | | | |

| | | | | | | | | | |
|---------------|-----------------|-----------------|-----------|----------|-------------|--------|-----|--------------|----------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSL | DEFL. | in (loc) | I/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.42 | Vert(LL) | -0.15 11-12 | >999 | 480 | MT20 | 169/123 |
| TCDL 20.0 | Lumber DOL | 1.00 | BC 0.63 | Vert(CT) | -0.27 11-12 | >714 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.52 | Horz(CT) | 0.02 10 | n/a | n/a | | |
| BCDL 10.0 | Code | IRC2018/TPI2014 | Matrix-SH | | | | | Weight 71 lb | FT = 0%F, 10%E |

| | | |
|--|-----------|--|
| LUMBER- | BRACING- | |
| TC 2x4 SPF 1650F 1.5E(flat) | TOP CHORD | Structural wood sheathing directly applied or 6'-0\" |
| BC 2x4 SPF 1650F 1.5E(flat) | | verticals. |
| WB 2x4 WW Stud(flat) "Except" W2,W11: 2x4 SPF 1650F 1.5E(flat) | BOT CHORD | Rigid ceiling directly applied or 10'-0-0 oc brack |
| 1 - Ply | | |
| REACTIONS. (lb/size) | | |
| 10=1118/0-5-8 (min. 0-1-8), 1=1126/0-5-8 (min. 0-1-8) | | |
| FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. | | |
| TOP CHORD | | |
| 10-16=1108/0, 9-16=1100/0, 1-2=1154/0, 2-3=1150/0, 3-4=1150/0, 4-5=2427/0, 5-6=2427/0, 6-7=2427/0, 7-8=1325/0, 8-9=1325/0 | | |
| BOT CHORD | | |
| 13-14=0/1987, 12-13=0/2427, 11-12=0/2085 | | |
| WEBS | | |
| 5-13=260/0, 4-13=0/670, 4-14=1059/0, 3-14=259/0, 1-14=0/1511, 7-12=0/587, 7-11=949/0, 8-11=329/0, 9-11=0/1625 | | |
| NOTES- | | |
| 1) Unbalanced floor live loads have been considered for this design. | | |
| 2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. | | |
| 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. | | |
| 4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in. | | |
| 5) CAUTION. Do not erect truss backwards. | | |
| LOAD CASE(S) | | |
| Standard | | |

**REVIEWED
FOR
CODE
COMPLIANCE**

04/07/2022

*Repair: Modify right end bearing as shown.

1. Cut back members shown dashed and insert new 4x2 No.2 or better grade members cut tight to fit as shown darkened. Cut connector plates clean so that remainder of plates are intact/undamaged.
2. Attach 3/4" APA rated 48/24, EXP.1 OSB gusset to each face as shown using 1 row of 10d nails (.131" dia. x 3") at 3" o/c along each face of each overlapping member. Stagger nails evenly between each face.

* Engineering applies to repair only; refer to original sealed truss drawing for all other necessary truss documentation. Repair materials are not be drilled, cut, notched or otherwise altered unless specifically noted above.



01/05/22