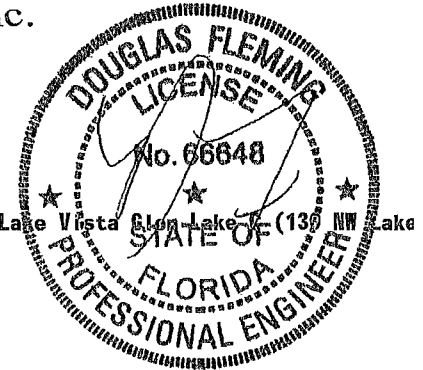


# ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837  
Florida Engineering Certificate of Authorization Number 0 278  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID 1V4G487-Z0106092837



Truss Fabricator **Anderson Truss Company**  
Job Identification **14-034--Don Reed Construction /Kerry Yates Add. -- 130 NW Lake Vista Blvd-Lake # (13) NW Lake**  
Truss Count **2**  
Model Code **Florida Building Code 2010**  
Truss Criteria **FBC2010Res/TPI-2007(STD)**  
Engineering Software **Alpine Software,Version 12.03.**  
Structural Engineer of Record **The identity of the structural EOR did not exist as of**  
Address **the seal date per section 61615-31.003(5a) of the FAC**  
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**  
**Floor - N/A**  
**Wind - 120 MPH ASCE 7-10 -Open Clear Wind**

03/06/2014

Douglas Fleming  
-Truss Design Engineer-

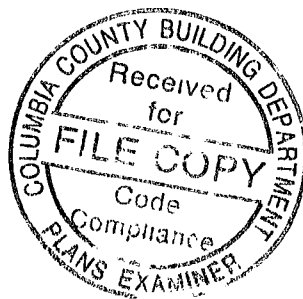
1950 Marley Drive  
Haines City, FL 33844

## Notes

- Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1**
- The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.**
- As shown on attached drawings; the drawing number is preceded by: HCUSR9114**

**Details: 12015EC1-GBLLETIN-GABRST10-**

#	Ref	Description	Drawing#	Date
1	79134--S1	25'1" Common	14065001	03/06/14
2	79135--DG1	25'1" Gable	14065002	03/06/14



(14-034--Don Reed Construction /Kerry Yates Add. -- 130 NW Lake Vista Glen Lake C - S1 25'1" Common)

Top chord 2x4 SP #1-13B  
 Bot chord 2x4 SP #1-13B  
 Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved  
 1/30/2013 by ALSC

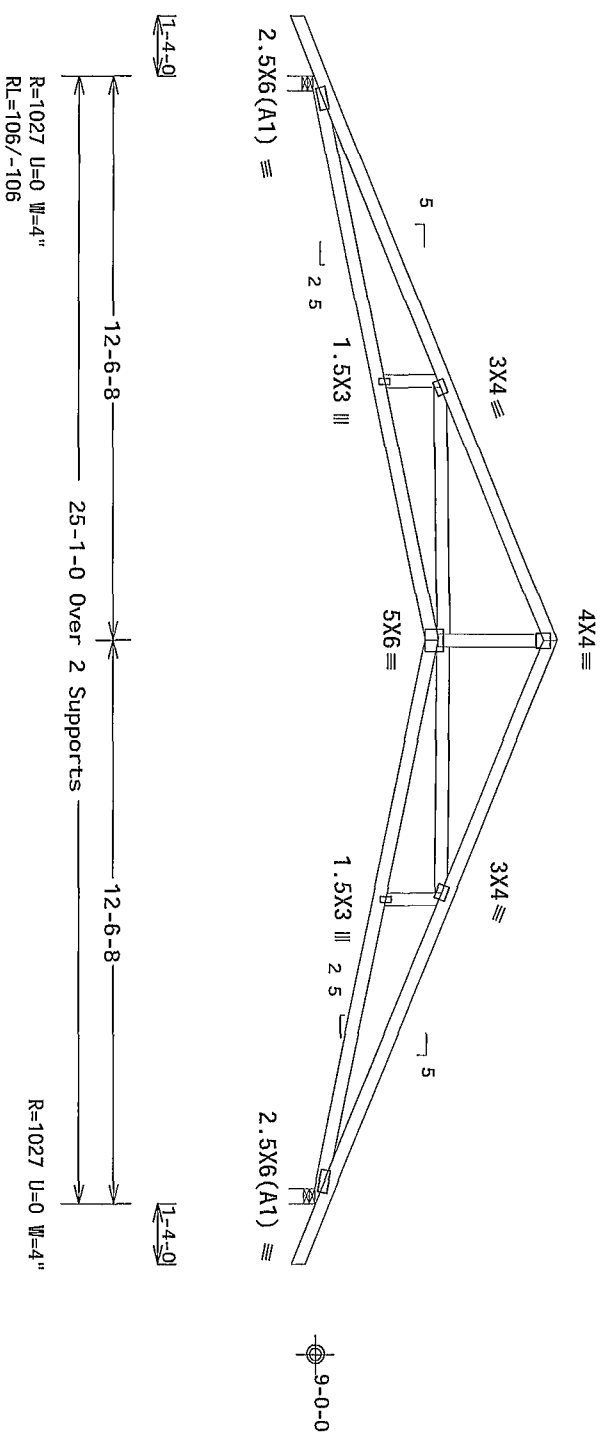
Calculated horizontal deflection is 0.18" due to live load and 0.22" due to dead load.

THIS DRAWING PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, OPEN CLEAR bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCp1(+/-)=0.00

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

Bottom chord checked for 10.00 psf non-concurrent live load.  
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



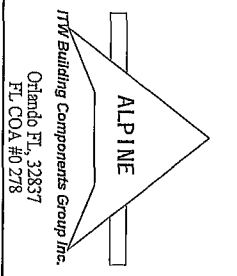
PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)  
 FT/RT=100(0%)/0(0)

12.03 04/20/13

QTY: 6 FL/-/5/-/-/R/-

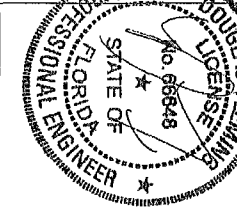
Scale = .25"/Ft.



**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to a follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI (sections 83, 87 or 810 as applicable).

The Building Components Group Inc. (TWPBCS) shall not be responsible for any deviation from this design and failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing, or bracing the truss. The Building Components Group Inc. shall not be responsible for any deviation from this design and failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing, or bracing the truss. Details unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. A seal on the drawing or cover page listing this design for the use on shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see the general notes page TWP-805 www.twpbc.com WTDA www.dci-industry.com This Job # 105 www.twpbc.com



TC LL	20.0 PSF	REF R9114-79134
TC DL	7.0 PSF	DATE 03/06/14
BC DL	10.0 PSF	DRW HCUR9114 14065001
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	37.0 PSF	SEQN- 28313
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V4G487_Z01

(14-034--Don Reed Construction /Kerry Yates Add. -- 130 NW Lake Vista Glen Lake C - D61 25'1" Gable)

Top chord 2x4 SP #1-13B  
 Bot chord 2x4 SP #1-13B  
 Webs 2x4 SP #3-13B  
 Stack Chord SC1 2x4 SP #1-13B; Stack Chord SC2 2x4 SP #1-13B.  
 Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC  
 See DWGS A12015ENC100212, GBLLETT100212, & GABRST100212 for more requirements.

Stacked top chord must NOT be notched or cut in area (NML) Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

\* MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

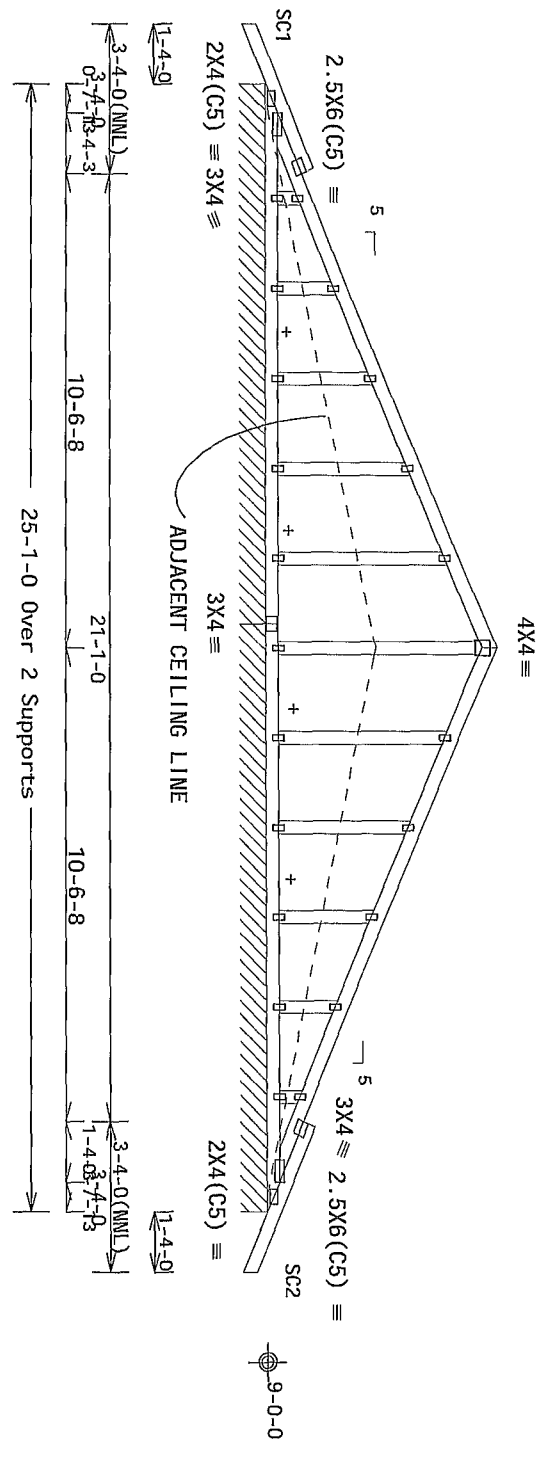
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, OPEN CLEAR bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf Gcpl(+/-)=0.00  
 Wind loads and reactions based on MMFRS with additional C&C member design.

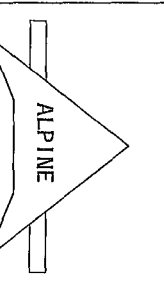
Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

In lieu of structural panels use purlins to brace TC @ 24" OC. Bottom chord checked for 10.00 psf non-concurrent live load. Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50.

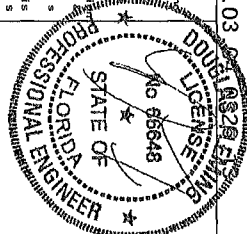
THE PROJECT ENGINEER SHALL PROVIDE FOR ENDWALL STABILITY PER SECTION 2304.3.4.1 OF THE 2010 FLORIDA BUILDING CODE. THE TOP OF THE WALL BELOW THIS TRUSS SHALL BE LATERALLY BRACED AS SPECIFIED BY THE PROJECT ENGINEER. THIS TRUSS WILL NOT PROVIDE LATERAL SUPPORT OF THE ENDWALL.



Note: All Plates Are 1.5X3 Except As Shown.  
 Design Crit: FBC2010Res/TP1-2007 (STD)  
 FT/RT=10% (0%)/0(0)



\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET  
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or web shall have bracing installed per BCSI sections 63 B7 or 610 as applicable.  
 The Building Component Group Inc. (BMGDS) shall not be responsible for any deviation from this design and for failure to build the truss in conformance with ANSI/TP1 1 or for handling, shipping, installation and bracing. The user of this design shall be responsible for the design and use of this structure. A seal on this drawing or cover page listing this design indicates acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TP1 1 Sec 2 For more information see This Job's general notes pages 114-603 www.tandem.com TPI www.tpi.net org WDC www.steindustry.com IFC www.icsafe.org

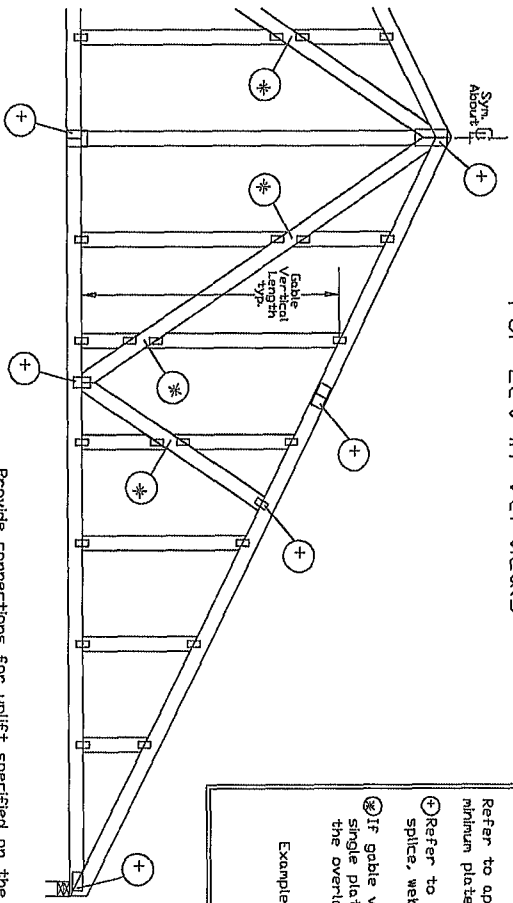


QTY: 1	FL/-/5/-/-/R/-	Scale = .25"/Ft.
TC LL	20.0 PSF	REF R9114- 79135
TC DL	7.0 PSF	DATE 03/06/14
BC DL	10.0 PSF	DRW HOURS9114 14065002
BC LL	0.0 PSF	HC-ENG JB/DF
TOT. LD.	37.0 PSF	SEQN- 28319
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V4G487_Z01

03/06/2014



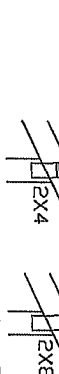
# Gable Detail For Let-in Verticals



### Gable Truss Plate Sizes

Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs.  
 Refer to Engineered truss design for peak, splices, web, and heel plates.

If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

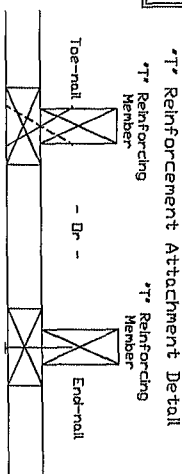
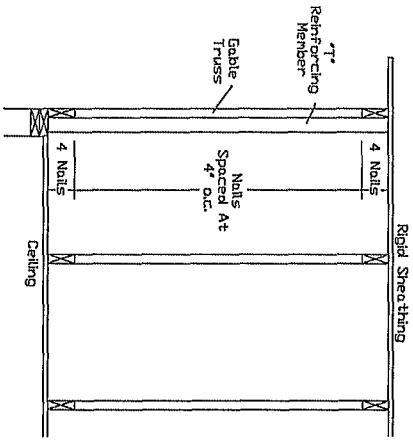


Provide connections for uplift specified on the engineered truss design.  
 Attach each 'T' reinforcing member with:  
 End Driven Nails:  
 10d Common (0.148"x3.75") Nails at 4" o.c. plus  
 (4) nails in the top and bottom chords.  
 Toenail Nails:  
 10d Common (0.148"x3.75") Toenails at 4" o.c. plus  
 (4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITW gable detail for ASCE wind load.

- ASCE 7-98 Gable Detail Drawings
  - A13015980109, A12015980109, A1015980109, A10015980109,
  - A13030980109, A12030980109, A11030980109, A10030980109
- ASCE 7-02 Gable Detail Drawings
  - A13015020109, A12015020109, A11015020109, A10015020109,
  - A13030020109, A12030020109, A11030020109, A10030020109
- ASCE 7-05 Gable Detail Drawings
  - A13015050109, A12015050109, A11015050109, A10015050109,
  - A13030050109, A12030050109, A11030050109, A10030050109
- ASCE 7-10 Gable Detail Drawings
  - A11515ENC100212, A12015ENC100212, A14015ENC100212,
  - A18015ENC100212, A20015ENC100212, A20015PEDI100212,
  - A11530ENC100212, A12030ENC100212, A14030ENC100212,
  - A15030ENC100212,
  - A18030ENC100212, A20030ENC100212, A20030PEDI100212

See appropriate ITW gable detail for maximum unreinforced gable vertical length.



To convert from 'L' to 'T' reinforcing members, multiply 'L' increase by length (based on appropriate ITW gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.  
 'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.  
**Web Length Increase w/ 'T' Brace**

'T' Reinf. Member Size	'T' Increase
2x4	30 %
2x6	20 %

Example:  
 ASCE 7-10 Wind Speed = 120 mph  
 Mean Roof Height = 30 ft, Kzt = 1.00  
 Gable Vertical = 24' o.c. Sp #3  
 'T' Reinforcing Member Size = 2x4  
 'T' Brace Increase (from Above) = 30% = 1.30  
 (1) 2x4 'L' Brace Length = 8' 7"  
 Maximum 'T' Reinforced Gable Vertical Length  
 1.30 x 8' 7" = 11' 2"

REVISIONS: REVISIONS READ AND FILL IN ALL NOTES ON THIS DRAWING

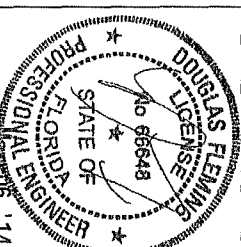


Building Components Group Inc.

Earth City, MO 63045

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BSI Building Component Safety Information by ITW and WJWB for safety information. Trusses shall be braced in accordance with the design drawings. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BSI sections B3, B7 or B10, as applicable. Apply plates to refer to drawings labeled for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ASIS/ITP 1, or for handling, shipping, installation & bracing of the truss. The designer shall retain full responsibility for the design, the stability and use of the drawing for any structure is the responsibility of the building designer per ASIS/ITP 1 Sec. 2. For more information see this job's general notes page and these web sites: <http://www.itwbuildingcomponents.com> ITP: [www.itwbuildingcomponents.com/ITP](http://www.itwbuildingcomponents.com/ITP) ICD: [www.itwbuildingcomponents.com/ICD](http://www.itwbuildingcomponents.com/ICD)

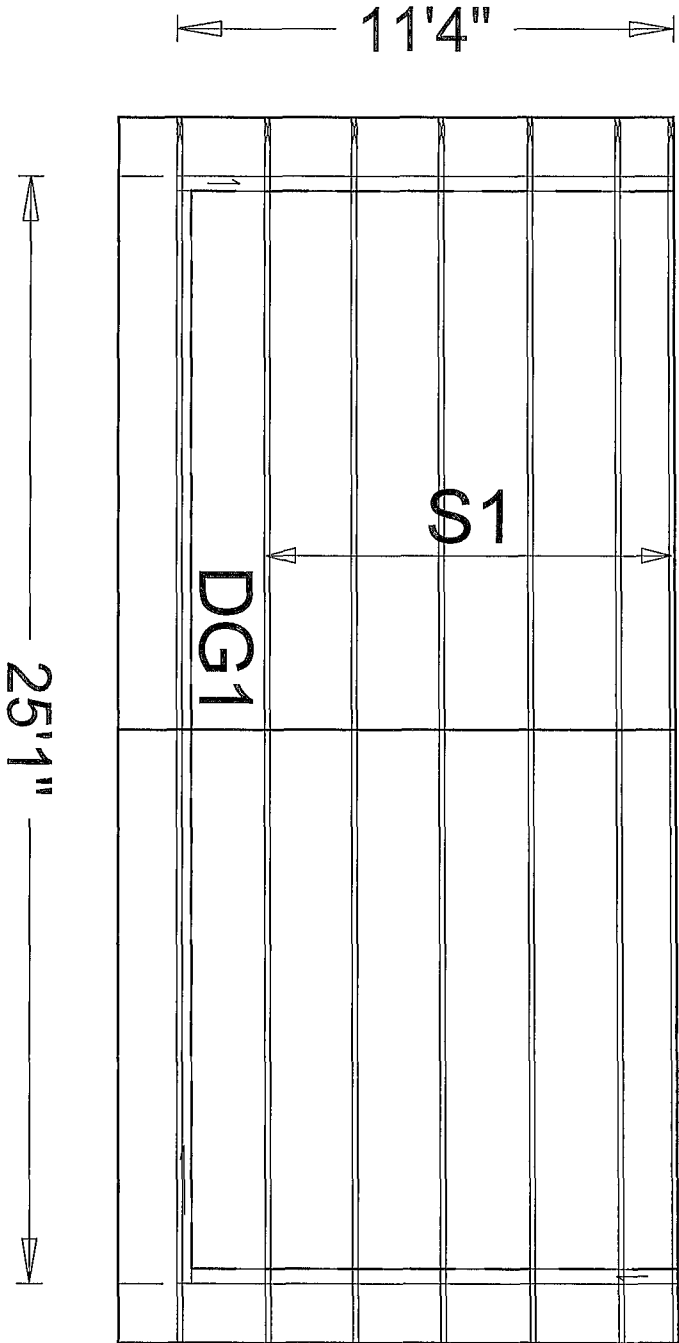


REF	LET-IN VERT
DATE	2/16/12
DRWG	GBLLETIND212
MAX. TOT LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0"



# Yates Add.

Total Truss Quantity = 7.  
Total Plan Area with OHs = 351 sq.ft.  
Roof Plane Sheathing Area = 381 sq. ft.



Created 03-04-2014  
<Not Found>

Customer: Don Reed Construction  
Job Name: Kerry Yates Add  
130 NW Lake Vista Glen  
Job Numb: 14-034  
Designer: Curt V Burlingame  
Salesman: Curt V Burlingame

JOB NO  
14-034

PAGE NO  
1 OF 1

