

Engineered Roof Truss Drawings For:

**La Quinta Inn & Suites  
Gonzales, LA**

Contractor:

**Dapco Ventures, LLC**

Date:

November 8, 2012

Submitted by:

**Quality Truss  
139 UPS Road  
Ruston, Louisiana  
(318) 255-5959**





(123883--- Lot 14 Cabeleas Parkway Gonzales, LA - RO2A)

Top chord 2x4 SP\_#1\_12A  
 Bot chord 2x4 SP\_#1\_12A  
 Webs 2x4 SP\_#2\_N\_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Left end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

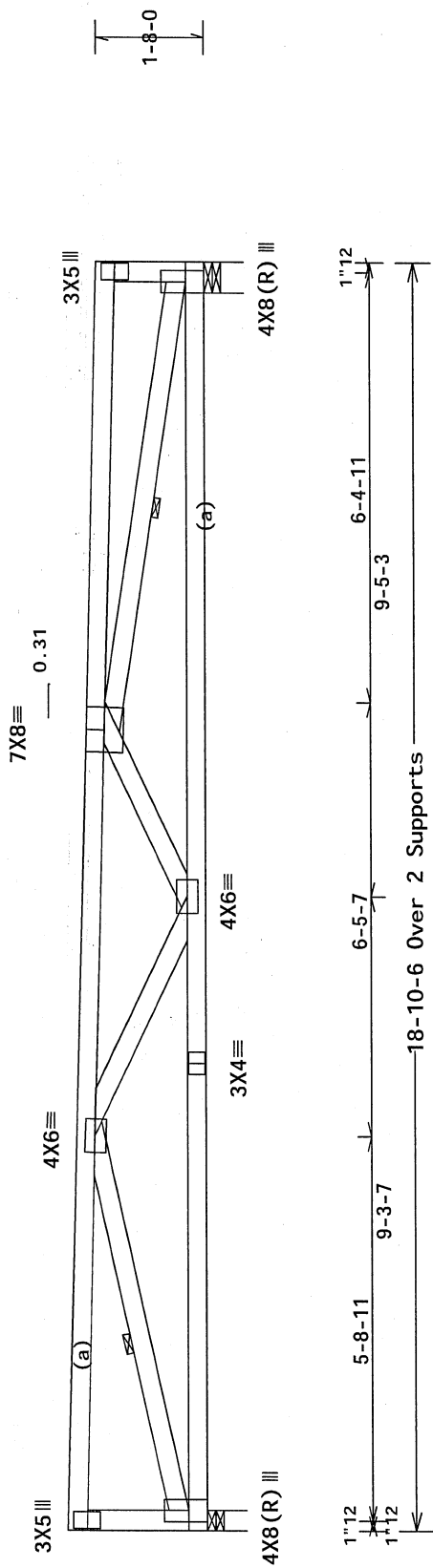
MWFRS loads based on trusses located at least 44.43 ft. from roof edge.

130 mph wind, 44.43 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

(a) Continuous lateral bracing equally spaced on member.

Snow loading based on an unobstructed roof. Complete drainage required.

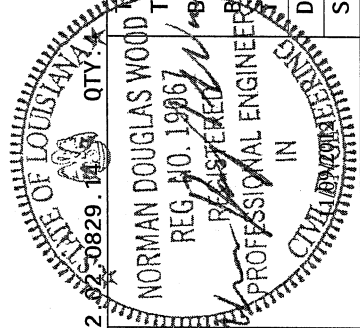


R=755 U=766 W=3.5" (3.5" min.)  
 RL=-42

R=755 U=758 W=5.5" (5.5" min.)

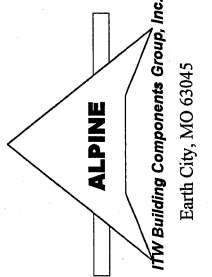
Design Crit: CUSTOM/TPI-2002(STD)  
 FT/RT=20%(0%)/10(0)

PLT TYP. WAVE	12.02	LA/-1/-/-/R/-	Scale = .375"/Ft.
REF	R8958-	52707	
DATE	11/09/12		
DRW	MOUSR8958	12314003	
MO-ENG	FK/FK		
SEQN-	240330		
DUR.FAC.	1.15		
SPACING	24.0"		



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, LA 71301) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AREA) AND TPI. STEEL APPLIED TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.





(123883--- Lot 14 Cabeleas Parkway Gonzales, LA - R04)

Top chord 2x4 SP\_#1\_12A  
 Bot chord 2x4 SP\_#1\_12A  
 Webs 2x4 SP\_#2\_N\_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

End verticals not exposed to wind pressure.

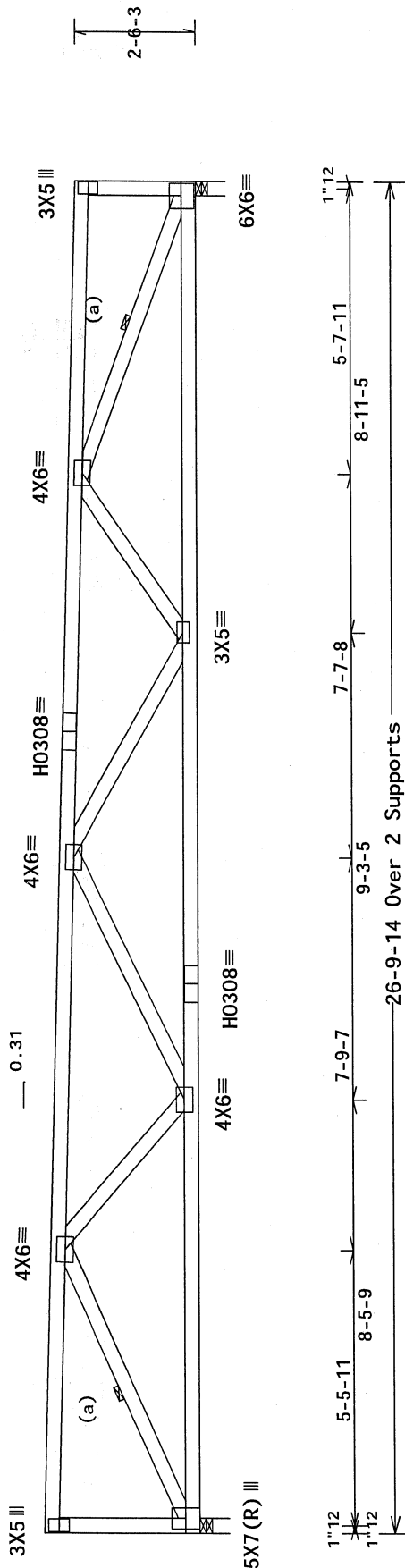
(a) Continuous lateral bracing equally spaced on member.

Snow loading based on an unobstructed roof. Complete drainage required.

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

Max JT VERT DEFL: LL: -0.24" DL: 0.21" recommended camber 1/4"

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

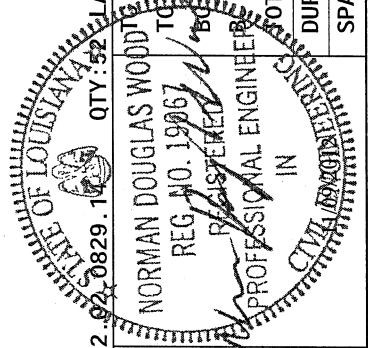


R=1073 U=1096 W=3.5" (3.5" min.)  
 RL=-60

R=1073 U=1084 W=3.5" (3.5" min.)

PLT TYP. 20 Gauge HS, WAVE  
 Design Crit: CUSTOM/TPI-2002(STD)  
 FT/RT=20%(0%)/10(0)

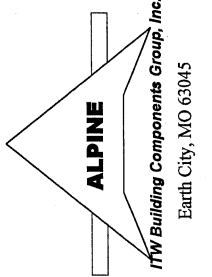
Scale = .3"/Ft.



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO UCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI GROUPS PAPER PUBLICATION, 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF THE TRUSS. DESIGNER'S PLATES ARE MADE OF 20 GA. HS (ASTM A653 GRADE 40/50 (W, K/F) SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF	R8958-	52709
DATE	11/09/12	
DRW	MOUSR958	12314005
MO-ENG	FK/FK	
SEQN-	240347	
DUR. FAC.	1.15	
SPACING	24.0"	



(123883--- Lot 14 Cabeleas Parkway Gonzales, LA - R05)

Top chord 2x4 SP\_#1\_12A  
 Bot chord 2x4 SP\_#1\_12A  
 Webs 2x4 SP\_#2\_N\_12A

130 mph wind, 45.47 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

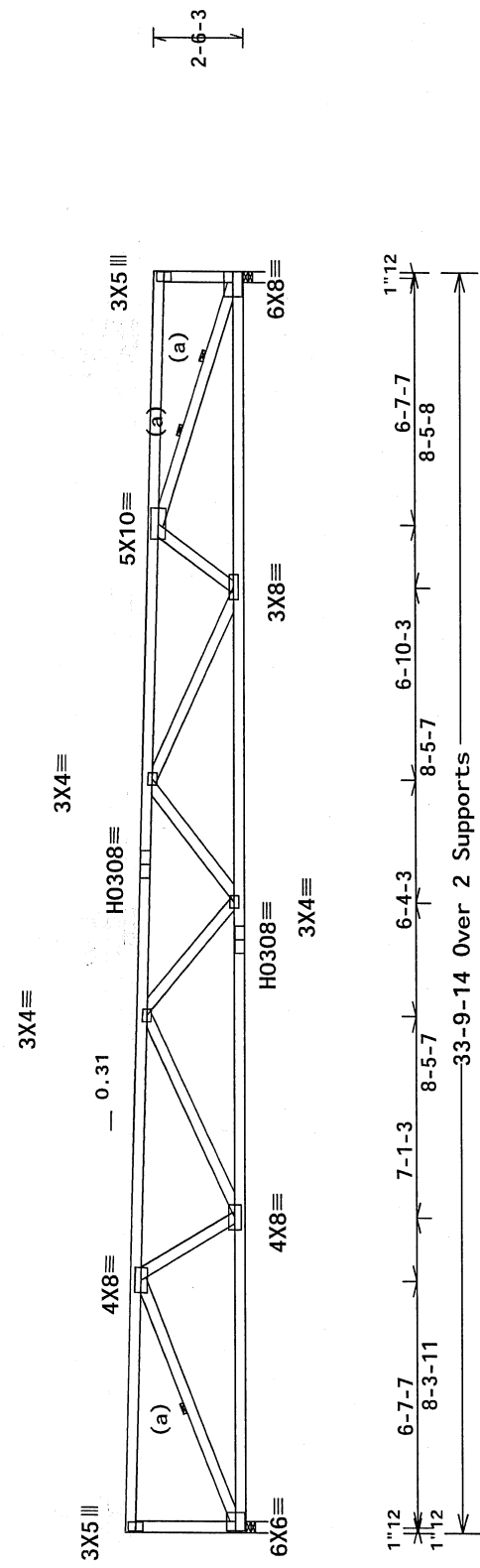
End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: -0.59" DL: 0.52" recommended camber 5/8"

(a) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Snow loading based on an unobstructed roof. Complete drainage required.



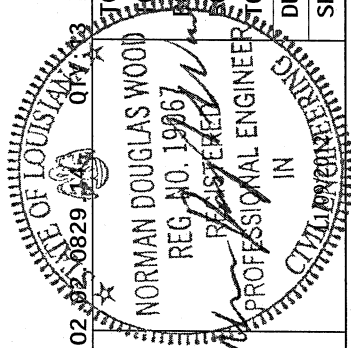
R=1353 U=1381 W=3.5" (3.5" min.)  
 RL=-76

R=1353 U=1369 W=3.5" (3.5" min.)

Design Crit: CUSTOM/TPI-2002 (STD)  
 FT/RT=20% (0%)/10(0)

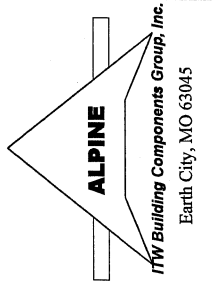
Scale = .2"/Ft.

PLT TYP. 20 Gauge HS, WAVE	12.02	LA/-1/-/-/R/-	REF R8958- 52710
			DATE 11/09/12
			DRW MOUSR8958 12314006
			MO-ENG FK/FK
			SEQN- 240231
			JREF- 1UR28958Z01



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304), AND PCA (WOOD TRUSS CONSTRUCTION OF NORTH CAROLINA, 10000 WOOD TRUSS DRIVE, WOODBRIDGE, NC, 27090) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APCA) AND TPI. STEEL ALPINE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Top chord 2x4 SP\_#1\_12A  
 Bot chord 2x4 SP\_#1\_12A  
 Webs 2x4 SP\_#2\_N\_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

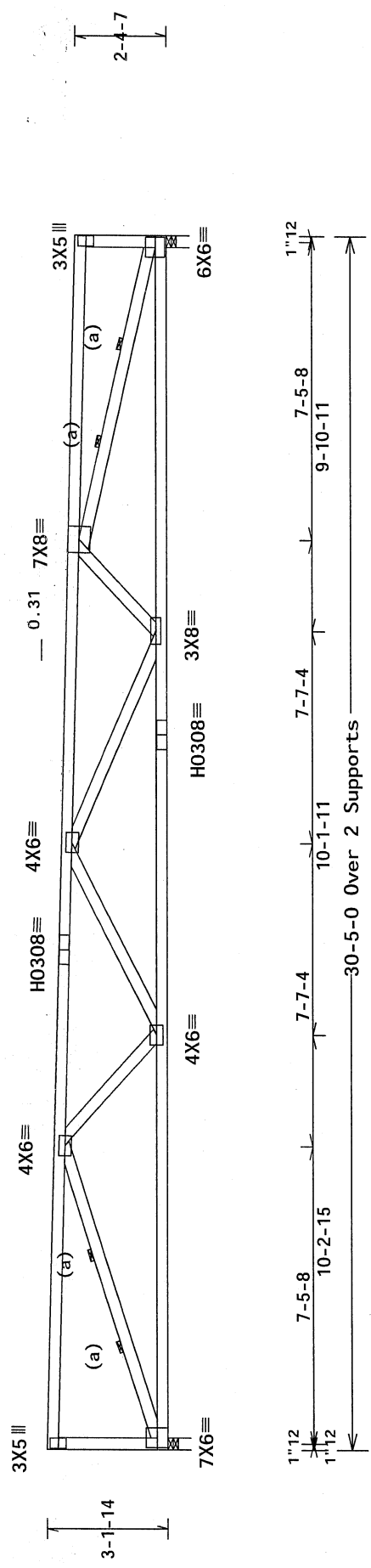
Snow loading based on an unobstructed roof. Complete drainage required.

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

Max JT VERT DEFL: LL: -0.46" DL: 0.41" recommended camber 1/2"

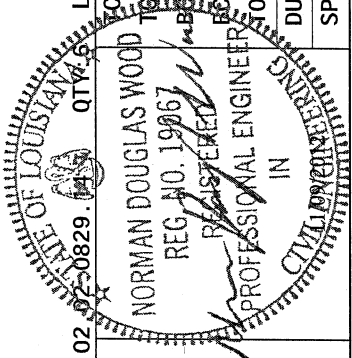
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

130 mph wind, 45.29 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



R=1217 U=1241 W=3.5" (3.5" min.)  
 RL=-68  
 R=1217 U=1230 W=3.5" (3.5" min.)

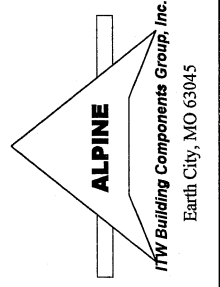
PLT TYP. 20 Gauge HS, WAVE  
 Design Crit: CUSTOM/TPI-2002(STD)  
 FT/RT=20%(0%)/10(0)



REF	R8958- 52711
DATE	11/09/12
DRW	MOUSR8958 12314007
MO-ENG	FK/FK
SEQN-	240262
DUR. FAC.	1.15
SPACING	24.0"
JREF-	1UR28958Z01

**WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING.

**IMPORTANT:** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, MANUFACTURE, AND BRACING.



(123883--- Lot 14 Cabelleas Parkway Gonzales, LA - R07)

Top chord 2x4 SP #1\_12A  
 Bot chord 2x4 SP #1\_12A  
 Webs 2x4 SP #2\_N\_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Left and right cantilevers are not exposed to wind

(a) Continuous lateral bracing equally spaced on member.

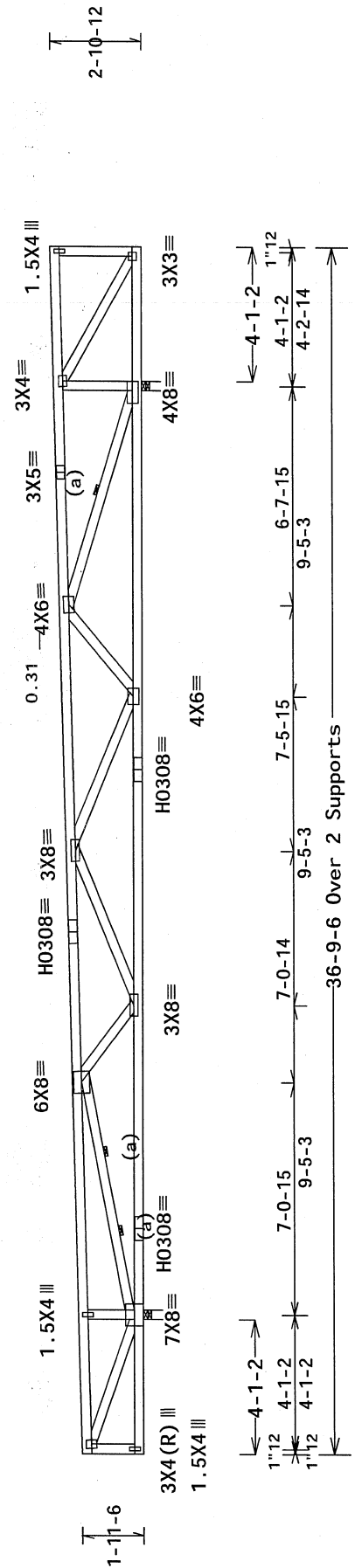
Snow loading based on an unobstructed roof. Complete drainage required.

130 mph wind, 44.94 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C; wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

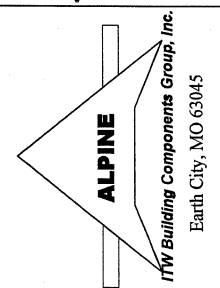
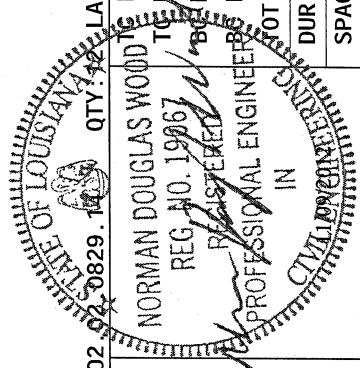


R=1464 U=1477 W=3.5" (3.5" min.)  
 RL=83

R=1479 U=1505 W=3.5" (3.5" min.)

PLT TYP. 20 Gauge HS, WAVE  
 Design Crit: CUSTOM/TPI-2002(STD)  
 FT/RT=20%(0%)/10(0)

Scale = .2"/Ft.



REF	R8958- 52712
DATE	11/09/12
DRW	MOUSR8958 12314008
MO-ENG	FK/FK
SEQN-	240287
DUR. FAC.	1.15
SPACING	24.0"
JREF-	1UR28958Z01

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THIS TRUSS SYSTEM. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS SYSTEM. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS SYSTEM. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS SYSTEM. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS SYSTEM.