Regional Housing Authority of Sutter and Nevada Counties
1455 Butte House Road, Yuba City, CA 95993
Phone: (530) 671-0220, Toll Free: (888) 671-0220
TTY: (866) 735-2929, Fax: (530) 674-8505

TO: General Contractor
FROM: Maria Conrique, Program Assistant
DATE: 3/24/2016
SUBJECT: City of Colusa Housing Rehabilitation Program

As a General Contractor interested in home rehabilitations with the City of Colusa, this is a notification that sealed bids are currently being solicited to supply labor, equipment, materials and related services to rehabilitate the home at the following address:

24 Parkhill Street, Colusa, CA 95932

Enclosed you will find specifications for the home. Bid packets will be distributed at the on-site walk-through. Additionally, you may find plans on our website at www.rhasnc.org. The walk-through will be held as follows:

Monday, April 4, 2016 @ 11:00am

Each winning bidder must have a valid General Contractor's license and active insurance for liability and workers compensation.

Bids are to be mailed, faxed to (530) 674-8505, or submitted by hand no later than **10:00am on Monday, April 25, 2016** to the Housing Authority Planning and Community Development Department located at 1455 Butte House Road, Yuba City, CA, 95993. The sealed envelope is to be marked as follows:

City of Colusa Home Rehabilitation
Attn: Larry Tinker
Bid for Property: 24 Parkhill Street, Colusa, CA 95932

Be advised that the homeowner will freely select the General Contractor to perform the rehabilitation work as described in the Scope of Work and/or specifications and plans, and the owner and the Contractor understand the final Contractor selection will be subject to comparison with the owner's in-house estimate.

The Housing Authority is an equal opportunity employer and housing provider.

Project #611

EXHIBIT A

WORK WRITE-UP
COVER SHEET

___ Bid Accepted

___ Bid Not Accepted

Date: April 4, 2016
Time: 11:00am
Bid Due Date: April 25, 2016 at 10:00am
Inspector: Larry Tinker
City of Colusa

OWNER(S) NAME: Lucila & Laura Hernandez
ADDRESS: 24 Parkhill Street, Colusa, CA 95932
TELEPHONE: 530-501-6276

CONTRACTOR'S NAME: _____
ADDRESS: _____
_____

TELEPHONE: _____
FAX: _____
LICENSE #: _____

WORK WRITE-UP

CITY OF COLUSA HOUSING REHABILITATION PROGRAM

Owner: Lucila & Laura Hernandez
Address: 24 Parkhill Street
City: Colusa, CA 95932
Phone #: 501-6276

Prepared by: Larry Tinker
Rehabilitation Specialist
Regional Housing Authority
of Sutter & Nevada Counties

HEALTH AND SAFETY

1	Contractor to construct new home as shown on supplied plans. New home shall meet all local and state building codes and requirements in effect at the time of bid. Contractor shall familiarize themselves with site conditions, building plans, specifications and program grades and standards before bidding. Contractor's bid must include all labor and materials to construct new home, meet final inspection and be granted a Certificate of Occupancy from the City of Colusa.	$_____
2	Demolish existing home and remove all debris from property.	$_____
	Total Health and Safety Bid	$_____

BUILDING CODE

2	Contractor is responsible for the design, plans and installation of a residential fire sprinkler system.	$_____
3	Contractor shall supply connection to all utilities including electrical & gas service, water, sewer and phone. Bid shall include the cost of any trenching, plumbing, panels, boxes, wiring, etc. to complete the project.	$_____
4	Contractor to complete any necessary site work, concrete flat work, etc. as shown on plans and site map.	$_____
	Total Building Code Bid	$_____

WEATHERIZATION & ENERGY CONSERVATION

	No items	$_____

Total Weatherization Bid $_____

ACCESSIBILITY

No items

Total Accessibility Bid

GENERAL PROPERTY IMPROVEMENTS

No items

Total General Property Improvements Bid

PEST REPORT

LEAD PAINT REPORT

Review the findings of the Lead Risk Assessment Report and use lead safe work practices for renovation as required by Federal, State and Local guidelines. The contractor performing the abatement must have all required certifications and licenses to perform lead abatement and must have a clearance test performed. The General Contractor must furnish copies of their or their sub-contractors certifications and list the name and license number of said sub-contractor on the sub-contractor list. Any additional cost incurred for abatement or testing must be shown here.

$ N/A

PERMITS AND FEES

CONTRACTORS ARE RESPONSIBLE FOR ALL PERMITS, IMPACT FEES, SCHOOL FEES, UTILITY COMPANY FEES, BONDS, BLUEPRINTS, PEST CLEARANCE, LEAD AND/OR ASBESTOS CLEARANCE, ARCHITECTURAL & ENGINEERING FEES.

$Prepaid

TOTAL CONTRACTOR BID $_____

ALTERNATES

$_____

NOTE: ANY CHANGES TO THE SPECIFICATIONS WILL BE DONE IN WRITING BY THE HOUSING AUTHORITY'S OFFICE ONLY. Direct all construction questions concerning the specifications to our Rehabilitation Specialist.

I have reviewed and approved the attached Specifications and write-up. By signing below I, the homeowner, understands that any changes or additions to the above construction Write Up shall be done in writing by way of Change Order and must be signed by the Home Owner, Contractor and the Housing Authority Construction Specialist.

Owner_____Date:_____

Owner_____Date:_____

WORK WRITE-UP CONDITIONS

This Work Write-Up is based on the Program Property Rehabilitation Standards, Standard Specifications and Rehabilitation as specified by the property owner(s) hereof:

All construction work shall be performed according to the Uniform Building, Plumbing, and Mechanical Codes, the Zoning and Electrical Codes, and all applicable requirements. Where applicable, work shall be in accordance with the lead base paint warning regulation and the cost effective energy conservation standards.

1. All construction work shall be inspected and approved by the Department of Building and Safety Inspectors, property owner(s) and the program Rehabilitation Specialist.

2. The awarded Contractor shall be responsible for completion of each item specified in this Work Write-Up. Any changes shall be authorized only by the initiation and execution by the owner(s) and Contractor on a formal Change Order, which must be approved by the lending organization.

3. The Contractor shall verify, on job site, all quantities, measurements or the dimensions, conditions, plans and working drawings before submitting this bid. There will be no Change Order to prices based on mistaken quantity count, measurements or dimensions.

4. The Contractor shall immediately notify (verbally and in writing) the Rehabilitation Specialist of any discrepancies on the plans, working drawings, Work Write-Up, and the measurements or dimensions. The Contractor shall be held responsible for all such verifications..

5. The Contractor shall provide and install all necessary bracing to support and maintain the existing construction in a safe and undamaged condition throughout all phases of demolition, construction and/or reconstruction.

6. The Contractor shall take any and all precautions necessary to ensure that fixtures and materials, which are temporarily removed during any phase of construction, are protected from damages, vandalism and/or theft. Damage to property caused by the Contractor shall be repaired or replaced by the Contractor at his/her own expense.

7. There have been no soil tests taken on this site and therefore, the lending agency is not warranting or guaranteeing any responsibility regarding the bearing capacity of the soil and whether or not it is sufficient to support the structure and design.

8. The Contractor shall be fully responsible for obtaining all necessary permits and licenses as required by the Department of Building and Safety of the City/County.

9. Color(s), type, model, style, finish and manufacturer of all fixtures, appliances, hardware, and all other products used in the rehabilitation work shall be approved and/or selected by the property owner(s), and shall be standard in nature unless the owner(s) requests custom items at the time the Contractor prepares and submits his/her bid.

10. The discarded floor covering, old doors, lumber, plumbing fixtures, roofing, debris and other construction debris shall be removed from the job site daily by the Contractor. The property shall be left in a clean and safe condition at the completion of the job by the Contractor.

11. No work shall commence until a Notice to Proceed is executed.

12. All work completed on the job site to be per manufacturer's specifications and Standard Trade Practice.

13. All interior closets and storage areas shall be painted with interior painting unless otherwise noted. If plans are required for the project, Contractor shall furnish all required plans and engineering not furnished by the owner(s).

14. All plumbing fixtures shall comply with all water saving codes..

15. Whenever painted surfaces are disturbed, the Contractor shall comply with all Federal, State and local laws pertaining to Lead Based Paint Construction Work.

16. No work shall be commenced until a written Notice to Proceed order is executed.

17. Lead based paint is prohibited.

18. Special attention shall be given to the incorporation of cost effective energy standards pursuant to Title 24.

19. Contractor must file the Notice of Completion in the applicable county. Retention will be held 35 days after proof that the Notice of Completion has been filed.

I, _____ with _____ have
(Contractor) (Company)
reviewed and do hereby accept the aforementioned conditions to the Work Write-Up for the above-named property.

Contractor's Signature: _____ Date: _____

HOMEWOOD TRUSS

"Serving The Best Builders"

4011 Sierra College Blvd., Loomis, CA 95650
Phone (916) 652-4655 Fax (916) 652-3860
5033 Feather River Blvd., Olivehurst, CA 95961
Phone (530) 743-8855 Fax (530) 743-8856
WWW.GOHOMEWOOD.COM

Truss Calc Submittal

Client:

Sutter County Housing Authority

Project:

Hernandez Residence

24 Parkhill St.
Colusa, CA

WET SEAL

Truss Designer:
Bryan Wagner
bryanw@homewoodtruss.com
Phone: (530) 743-8855

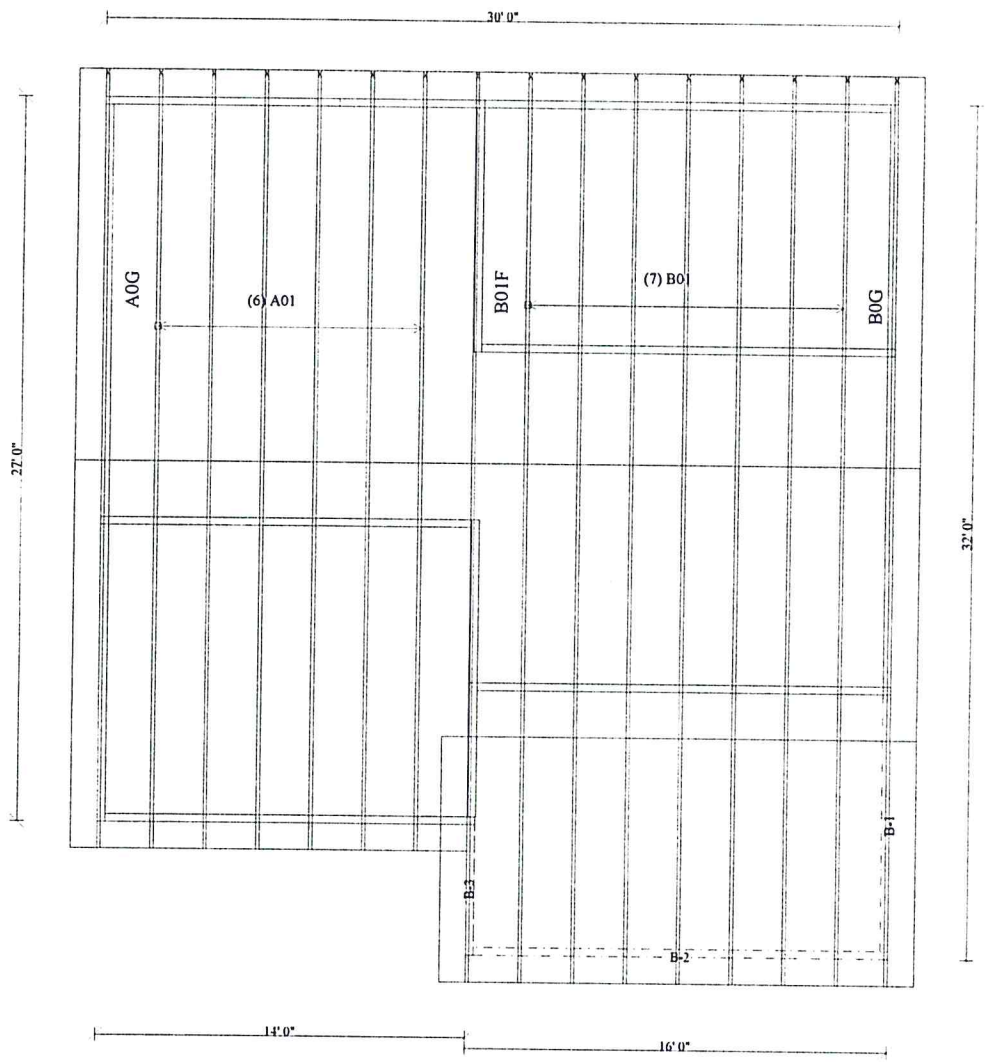
Tracking / Work Order # :
0710216

PDF created with pdfFactory trial version www.pdffactory.com

*=Load Bearing

Wall Heights:

Sheathing:



PH (530)743-8855
Fax (530)743-8856

HOMEWOOD TRUSS CO.

5033 FEATHER RIVER BLVD
OLIVEHURST, CA 95901

HERNANDEZ RESIDENCE
SUTTER COUNTY HOUSING AUTHORITY
24 PARKHILL ST
COLUSA, CA 95932

SALES REP: BW
DUE DATE: 02/25/16
DSGNR/CHKR: AW / BW

TC Live	20.00 psf
TC Dead	14.00 psf
BC Live	0.00 psf
BC Dead	8.00 psf
Total	42.00 psf

WO#: 0710216
SCALE: 1"=7' 0"
Date: 2/25/2016 9:03

DurFac-Lbr : 1.25
DurFac-Plt : 1.25
O.C. Spacing: 2
Design Spec: CRC-2013
#Tr/#Cfg: 16 / 5

Job Name: HERNANDEZ RESIDENCE

Truss ID: A01

Qty: 6

BRG	X-LOC	REACT	SIZE	REQ'D
1	0- 1-12	1515	3.50"	1.62"
2	26-10- 4	1515	3.50"	1.62"

MAX DEFLECTION (span) :
L/999 MEM 7-8 (LIVE) LC 40
L= -0.24" D= -0.24" T= -0.48"

===== Joint Locations =====

1	0- 0- 0	6	0- 0- 0
2	7- 6- 0	7	8- 0- 0
3	13- 6- 0	8	18- 0- 0
4	19- 6- 0	9	27- 0- 0
5	27- 0- 0		

CRITICAL MEMBER FORCES:

TC	COMP.(DUR.)/	TENS.(DUR.)	CSI
1-2	-2815(1.25)/	90(1.60)	0.59
2-3	-2602(1.25)/	122(1.60)	0.38
3-4	-2604(1.25)/	122(1.60)	0.38
4-5	-2815(1.25)/	90(1.60)	0.59

BC	COMP.(DUR.)/	TENS.(DUR.)	CSI
6-7	-24(1.60)/	2528(1.25)	0.74
7-8	/	1674(1.25)	0.64
8-9	-24(1.60)/	2529(1.25)	0.73

WB	COMP.(DUR.)/	TENS.(DUR.)	CSI
2-7	-461(1.25)/	101(1.60)	0.10
3-7	-5(1.60)/	1017(1.25)	0.41
3-8	-5(1.60)/	1019(1.25)	0.41
4-8	-461(1.25)/	101(1.60)	0.10

TC	2x4	DFL #1 & Btr.
BC	2x4	DFL #1 & Btr.
WEB	2x4	DFL STANDARD

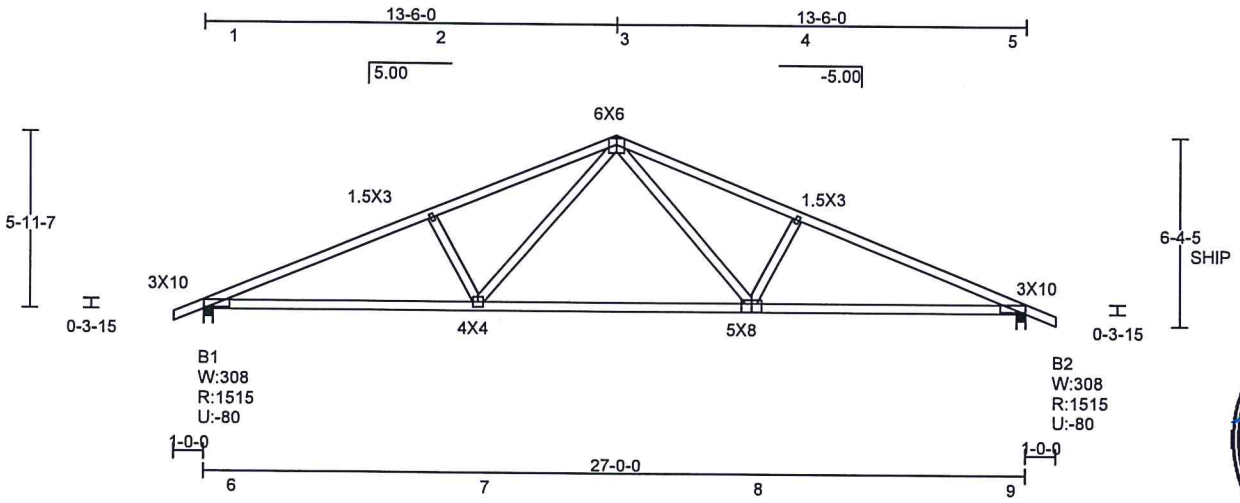
Kcr (creep factor) = 2.00
Refer to Joint QC Detail Sheets for Cq factors and Rotational Tolerances.
Loaded for 10 PSF non-concurrent BCLL.
PLATING BASED ON GREEN LUMBER VALUES.
20 psf Live Load applied to bottom chord in accordance with IBC/IRC code provisions.

Designed per ANSI/TPI 1-2007
Fabrication Tolerance = 20.0%
Bearings designed for an FcPerp value of the lesser of the truss chord lumber value or 625 for all bearings.
IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in ESR-1118.

UPLIFT REACTION(S) :

Support	C&C Wind	Non-Wind
1	-80 lb	
2	-80 lb	

This truss is designed using the ASCE7-10 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 30.00 ft, Bldg Width = 32.00 ft
Mean roof height = 12.98 ft, mph = 110
Occupancy Category II, Dead Load = 13.2 psf
Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding
Tributary Area = 54 sqft



All connector plates are ALPINE Wave 20 ga., unless preceded by "H" for High Strength 20 ga., "S" for Super Strength 18 ga. Plates are to be positioned per Joint Detail Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA

2/25/2016

268 - Homewood Truss (CA)

ALPINE™ AN ITW COMPANY

2820 N. Great SW Pkwy. Grand Prairie, TX 75050

TRUSPLUS 6.0 VER: T6.5.20

****WARNING!**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 WTCA) 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 B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details report, unless noted otherwise.

Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.org; ICC: www.iccsafe.org

Cust: SUTTER COUNTY HOUSING AUTHORITY
DIR: Drive_M_0710216_L00007_J00001
WO: Drive_M_0710216_L000
Dsgnr: AW
#LC = 42 WT/PLY: 143#

TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Pf)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	14.00 psf	Rep Mbr Bnd / Comp / Tens	1.15 / 1.10 / 1.10
BC Live	0.00 psf	O.C.Spacing	2- 0- 0
BC Dead	8.00 psf		
Bldg Code:	CRC-2013	DEFL RATIO:	L/240 TC: L/240

Job Name: HERNANDEZ RESIDENCE

Truss ID: A0G

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0- 4- 1	262	8.10"	1.50"
2	2- 8- 0	190	3.50"	1.50"
3	4- 0- 0	131	3.50"	1.50"
4	5- 4- 0	153	3.50"	1.50"
5	6- 8- 0	159	3.50"	1.50"
6	8- 0- 0	167	3.50"	1.50"
7	9- 4- 0	176	3.50"	1.50"
8	10- 8- 0	183	3.50"	1.50"
9	12- 0- 0	111	3.50"	1.50"
10	12- 7- 0	172	3.50"	1.50"
11	14- 5- 0	172	3.50"	1.50"
12	15- 0- 0	111	3.50"	1.50"
13	16- 4- 0	183	3.50"	1.50"
14	17- 8- 0	176	3.50"	1.50"
15	19- 0- 0	167	3.50"	1.50"
16	20- 4- 0	159	3.50"	1.50"
17	21- 8- 0	153	3.50"	1.50"
18	23- 0- 0	131	3.50"	1.50"
19	24- 4- 0	190	3.50"	1.50"
20	26- 7-15	262	8.10"	1.50"

MAX DEFLECTION (span) :
L/999 MEM 10-11 (LIVE) LC 1
L= 0.00" D= 0.00" T= 0.00"

CRITICAL MEMBER FORCES:

TC	COMP.(DUR.)/	TENS.(DUR.)	CSI
1-2	-99(1.25)/	20(1.60)	0.03
2-3	-94(1.25)/	4(1.60)	0.03
3-4	-91(1.25)/		0.02
4-5	-93(1.25)/		0.02
5-6	-94(1.25)/		0.02
6-7	-96(1.25)/	8(1.60)	0.02
7-8	-98(1.25)/	24(1.60)	0.02
8-9	-99(1.25)/	42(1.60)	0.02
9-10	-74(1.25)/	52(1.60)	0.04
10-11	-103(1.25)/	47(1.60)	0.04
11-12	-103(1.25)/	47(1.60)	0.04
12-13	-74(1.25)/	52(1.60)	0.04
13-14	-99(1.25)/	42(1.60)	0.02
14-15	-98(1.25)/	24(1.60)	0.02
15-16	-96(1.25)/	8(1.60)	0.02
16-17	-94(1.25)/		0.02
17-18	-93(1.25)/		0.02
18-19	-91(1.25)/		0.02
19-20	-94(1.25)/	4(1.60)	0.03
20-21	-99(1.25)/	20(1.60)	0.03

BC	COMP.(DUR.)/	TENS.(DUR.)	CSI
22-23	-38(1.60)/	53(1.60)	0.02
23-24	/		0.02
24-39	/		0.01
39-40	/		0.02
40-41	-38(1.60)/	53(1.60)	0.02

WB	COMP.(DUR.)/	TENS.(DUR.)	CSI
2-23	-157(1.25)/	34(1.60)	0.02
3-24	-113(1.25)/	13(1.60)	0.01
4-25	-132(1.25)/	7(1.60)	0.02
5-26	-138(1.25)/		0.02
6-27	-145(1.25)/		0.03
7-28	-154(1.25)/		0.04
8-29	-161(1.25)/	7(1.60)	0.06
9-30	-99(1.25)/	14(1.60)	0.04
10-31	-75(1.25)/		0.04
12-32	-75(1.25)/		0.04
13-33	-99(1.25)/	14(1.60)	0.04
14-34	-161(1.25)/	7(1.60)	0.06
15-35	-154(1.25)/		0.04
16-36	-145(1.25)/		0.03
17-37	-138(1.25)/		0.02
18-38	-132(1.25)/	7(1.60)	0.02
19-39	-113(1.25)/	13(1.60)	0.01
20-40	-157(1.25)/	34(1.60)	0.02
10-31	-75(1.25)/		0.04
12-32	-75(1.25)/		0.04

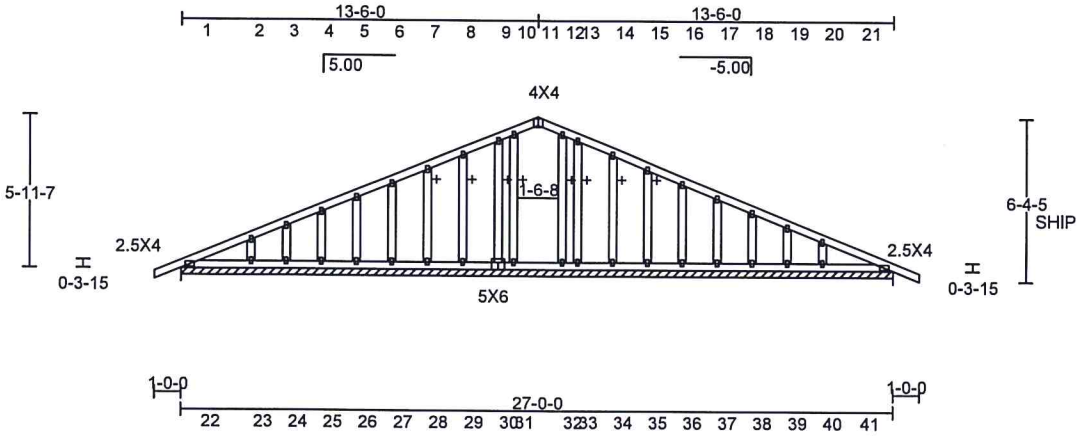
TC 2x4 DFL #1 & Btr.
BC 2x4 DFL #1 & Btr.
WEB 2x4 DFL STANDARD
Kcr (creep factor) = 2.00
Refer to Joint QC Detail Sheets for Cq factors and Rotational Tolerances.
Loaded for 10 PSF non-concurrent BCLL.
Mark all interior bearing locations.
Permanent bracing is required to prevent rotation/toppling. See BCSI and ANSI/TPI 1.
PLATING BASED ON GREEN LUMBER VALUES.
This truss is designed using the ASCE7-10 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 30.00 ft, Bldg Width = 32.00 ft
Mean roof height = 12.88 ft, mph = 110
Occupancy Category II, Dead Load = 13.2 psf
Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding
Tributary Area = 77 sqft

Designed per ANSI/TPI 1-2007
Fabrication Tolerance = 20.0%
Bearings designed for an FcPerp value of the lesser of the truss chord lumber value or 625 for all bearings.
IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in ESR-1118.
Install interior support(s) before erection.
Building designer shall verify gable loads and eave loads, if applicable.
[+] gable bracing required @ 42" intervals, if exposed to wind load applied to face. See ITWBCG's Gable Bracing Details.
Not designed for attic storage unless noted otherwise.

UPLIFT REACTION(S) :

Support	C&C Wind	Non-Wind
1	-10 lb	
2	-14 lb	
3	-4 lb	
4	-5 lb	
5	-5 lb	
6	-5 lb	
7	-5 lb	
8	-6 lb	
9	-6 lb	
10	-5 lb	
11	-5 lb	
12	-6 lb	
13	-6 lb	
14	-5 lb	
15	-5 lb	
16	-5 lb	
17	-5 lb	
18	-4 lb	
19	-14 lb	
20	-10 lb	

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 10 PSF one face, and 24" span opposite face. Top chord must not be cut or notched.



TYPICAL PLATE : 1.5X3

OVER CONTINUOUS SUPPORT

All connector plates are ALPINE Wave 20 ga., unless preceded by "H" for High Strength 20 ga., "S" for Super Strength 18 ga. Plates are to be positioned per Joint Detail Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA

2/25/2016

268 - Homewood Truss (CA)

ALPINE™
AN ITW COMPANY

2820 N. Great SW Pkwy. Grand Prairie, TX 75050

TRUSPLUS 6.0 VER: T6.5.20

***WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!*
***IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 WTCA) 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 B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details report, unless noted otherwise.

Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.org; ICC: www.iccsafe.org

Cust: SUTTER COUNTY HOUSING AUTHORITY
DIR: Drive_M_0710216_L00007_J00001
WO: Drive_M_0710216_L000
Dsgnr: AW #LC = 40 WT/PLY: 206#

TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Pf)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	14.00 psf	Rep Mbr Bnd / Comp / Tens	
BC Live	0.00 psf		1.00 / 1.00 / 1.00
BC Dead	8.00 psf	O.C.Spacing	2- 0- 0
Bldg Code:	CRC-2013	DEFL RATIO:	L/240 TC: L/240

Job Name: HERNANDEZ RESIDENCE

Truss ID: B01

Qty: 7

BRG	X-LOC	REACT	SIZE	REQ'D
1	0- 1-12	1166	3.50"	1.50"
2	21-10- 4	1947	3.50"	2.08"
3	31-10- 4	438	3.50"	1.50"

MAX DEFLECTION (span) :
L/999 MEM 10-11 (LIVE) LC 40
L= -0.18" D= -0.17" T= -0.35"

===== Joint Locations =====

1	0- 0- 0	8	32- 0- 0
2	7- 6- 0	9	0- 0- 0
3	13- 6- 0	10	9- 0- 0
4	19- 6- 0	11	18- 0- 0
5	21-10- 4	12	21-10- 4
6	23- 8- 0	13	23- 9- 0
7	25- 0- 0	14	32- 0- 0

CRITICAL MEMBER FORCES:

TC	COMP.(DUR.)/	TENS.(DUR.)	CSI
1-2	-1933(1.25)/	71(1.60)	0.52
2-3	-1722(1.25)/	103(1.60)	0.35
3-4	-768(1.25)/	89(1.60)	0.29
4-5	-13(1.60)/	942(1.25)	0.41
5-6	-25(1.60)/	934(1.25)	0.18
6-7	-24(1.60)/	175(1.25)	0.44
7-8	-335(1.25)/	43(1.60)	0.47

BC	COMP.(DUR.)/	TENS.(DUR.)	CSI
9-10	-3(1.60)/	1716(1.25)	0.69
10-11	/	859(1.25)	0.59
11-12	-13(1.25)/	393(1.25)	0.37
12-13	-377(1.25)/	52(1.60)	0.26
13-14	-28(1.60)/	312(1.25)	0.36

WB	COMP.(DUR.)/	TENS.(DUR.)	CSI
2-10	-450(1.25)/	100(1.60)	0.10
3-10	-2(1.60)/	1029(1.25)	0.42
3-11	-368(1.25)/	31(1.60)	0.34
4-11	/	661(1.25)	0.27
4-12	-1940(1.25)/	51(1.60)	0.53
5-12	-134(1.25)/	40(1.60)	0.02
6-12	-538(1.25)/	20(1.60)	0.07
6-13	-6(1.60)/	755(1.25)	0.31
7-13	-576(1.25)/	88(1.60)	0.07

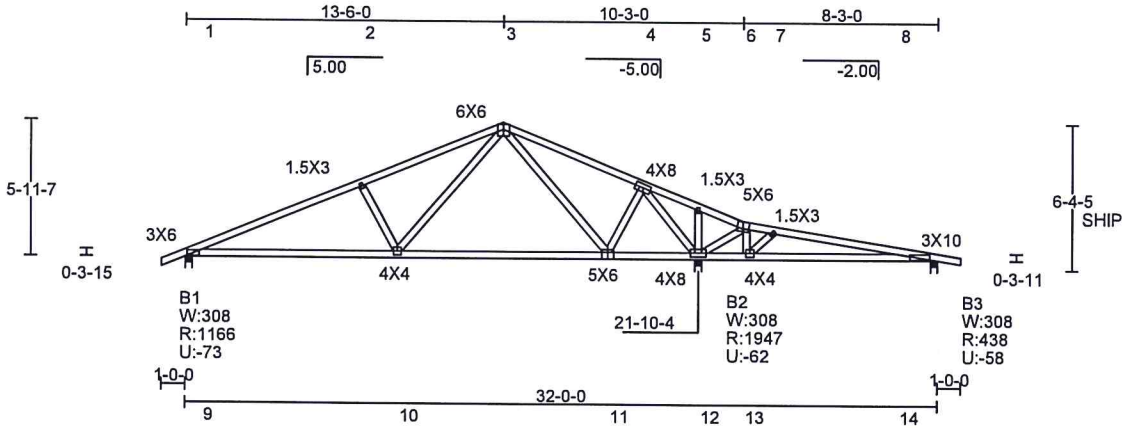
TC 2x4 DFL #1 & Btr.
BC 2x4 DFL #1 & Btr.
WEB 2x4 DFL STANDARD
Kcr (creep factor) = 2.00
Refer to Joint QC Detail Sheets for Cq factors and Rotational Tolerances.
Loaded for 10 PSF non-concurrent BCLL.
Mark all interior bearing locations.
PLATING BASED ON GREEN LUMBER VALUES.
20 psf Live Load applied to bottom chord in accordance with IBC/IRC code provisions.

Designed per ANSI/TPI 1-2007
Fabrication Tolerance = 20.0%
Bearings designed for an FcPerp value of the lesser of the truss chord lumber value or 625 for all bearings.
IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in ESR-1118.
Install interior support(s) before erection.

UPLIFT REACTION(S) :

Support	C&C Wind	Non-Wind
1	-73 lb	
2	-62 lb	
3	-58 lb	

This truss is designed using the ASCE7-10 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 30.00 ft, Bldg Width = 32.00 ft
Mean roof height = 12.98 ft, mph = 110
Occupancy Category II, Dead Load = 13.2 psf
Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding
Tributary Area = 64 sqft



REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA

2/25/2016

All connector plates are ALPINE Wave 20 ga., unless preceded by "H" for High Strength 20 ga., "S" for Super Strength 18 ga. Plates are to be positioned per Joint Detail Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates.

268 - Homewood Truss (CA)

ALPINE™ AN ITW COMPANY

2820 N. Great SW Pkwy. Grand Prairie, TX 75050

TRUSPLUS 6.0 VER: T6.5.20

****WARNING!**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.org; ICC: www.iccsafe.org

Cust: SUTTER COUNTY HOUSING AUTHORITY
DIR: Drive_M_0710216_L00007_J00001
WO: Drive_M_0710216_L000
Dsgnr: AW **#LC = 44** **WT/PLY: 180#**

TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Pf)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	14.00 psf	Rep Mbr Bnd / Comp / Tens	
BC Live	0.00 psf		1.15 / 1.10 / 1.10
BC Dead	8.00 psf	O.C.Spacing	2- 0- 0
Bldg Code:	CRC-2013	DEFL RATIO:	L/240 TC: L/240

Job Name: HERNANDEZ RESIDENCE

Truss ID: B01F

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0- 1-12	1157	3.50"	1.50"
2	21-10- 4	2028	3.50"	2.16"
3	31-10- 4	485	3.50"	1.50"

MAX DEFLECTION (span) :
L/999 MEM 10-11 (LIVE) LC 40
L= -0.18" D= -0.17" T= -0.35"

===== Joint Locations =====

1	0- 0- 0	8	32- 0- 0
2	7- 6- 0	9	0- 0- 0
3	13- 6- 0	10	9- 0- 0
4	19- 6- 0	11	18- 0- 0
5	21-10- 4	12	21-10- 4
6	23- 8- 0	13	23- 9- 0
7	25- 6- 0	14	32- 0- 0

CRITICAL MEMBER FORCES:

TC	COMP.(DUR.)/	TENS.(DUR.)	CSI
1-2	-1913(1.25)/	79(1.60)	0.62
2-3	-1701(1.25)/	111(1.60)	0.40
3-4	-724(1.25)/	106(1.60)	0.34
4-5	/	1027(1.25)	0.48
5-6	/	1022(1.25)	0.24
6-7	-27(1.60)/	173(1.25)	0.58
7-8	-419(1.25)/	14(1.60)	0.62

BC	COMP.(DUR.)/	TENS.(DUR.)	CSI
9-10	-11(1.60)/	1697(1.25)	0.78
10-11	/	840(1.25)	0.67
11-12	-63(1.25)/	372(1.25)	0.42
12-13	-401(1.25)/	42(1.60)	0.31
13-14	/	391(1.25)	0.44

WB	COMP.(DUR.)/	TENS.(DUR.)	CSI
2-10	-450(1.25)/	100(1.60)	0.10
3-10	-2(1.60)/	1029(1.25)	0.42
3-11	-399(1.25)/	18(1.60)	0.37
4-11	/	688(1.25)	0.28
4-12	-1990(1.25)/	31(1.60)	0.54
5-12	-141(1.25)/	36(1.60)	0.02
6-12	-605(1.25)/		0.08
6-13	/	850(1.25)	0.35
7-13	-688(1.25)/	43(1.60)	0.08

TC	2x4	DFL	#1 & Btr.
BC	2x4	DFL	#1 & Btr.
WEB	2x4	DFL	STANDARD
GBL BLK	2x4	DFL	STANDARD

Kcr (creep factor) = 2.00
IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in ESR-1118.
Install interior support(s) before erection.
Building designer shall verify gable loads and eave loads, if applicable.
[+] gable bracing required @ 42" intervals, if exposed to wind load applied to face. See ITWBCG's Gable Bracing Details.

Designed per ANSI/TPI 1-2007
Fabrication Tolerance = 20.0%
Bearings designed for an FcPerp value of the lesser of the truss chord lumber value or 625 for all bearings.
Refer to Joint QC Detail Sheets for Cq factors and Rotational Tolerances.
Loaded for 10 PSF non-concurrent BCLL.
Mark all interior bearing locations.
Permanent bracing is required to prevent rotation/toppling. See BCSI and ANSI/TPI 1.
PLATING BASED ON GREEN LUMBER VALUES.
20 psf Live Load applied to bottom chord in accordance with IBC/IRC code provisions.

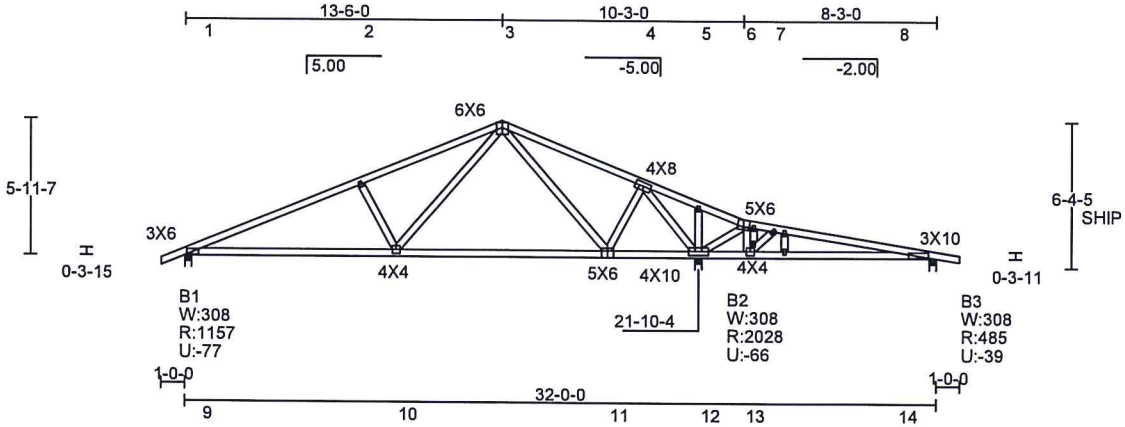
UPLIFT REACTION(S) :

Support	C&C Wind	Non-Wind
1	-77 lb	
2	-66 lb	
3	-39 lb	

This truss is designed using the ASCE7-10 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 30.00 ft, Bldg Width = 32.00 ft
Mean roof height = 12.98 ft, mph = 110
Occupancy Category II, Dead Load = 13.2 psf
Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding
Tributary Area = 83 sqft

LOAD CASE #1 DESIGN LOADS

Dir	L.Plf	L.Loc	R.Plf	R.Loc	LL/TL
TC Vert	84.00	1- 0- 0	84.00	0- 0- 0	0.48
TC Vert	68.00	0- 0- 0	68.00	23- 9- 0	0.59
TC Vert	89.00	23- 9- 0	76.00	32- 0- 0	0.59
TC Vert	84.00	32- 0- 0	84.00	33- 0- 0	0.48
BC Vert	16.00	0- 0- 0	16.00	32- 0- 0	0.00



TYPICAL PLATE : 1.5X3

All connector plates are ALPINE Wave 20 ga., unless preceded by "H" for High Strength 20 ga., "S" for Super Strength 18 ga. Plates are to be positioned per Joint Detail Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA

2/25/2016

268 - Homewood Truss (CA)

ALPINE™
AN ITW COMPANY

2820 N. Great SW Pkwy. Grand Prairie, TX 75050

TRUSPLUS 6.0 VER: T6.5.20

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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.org; ICC: www.iccsafe.org

Cust: SUTTER COUNTY HOUSING AUTHORITY
DIR: Drive_M_0710216_L00007_J00001
WO: Drive_M_0710216_L000
Dsgnr: AW **#LC = 44 WT/PLY: 184#**

TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Pf)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	14.00 psf	Rep Mbr Bnd / Comp / Tens	
BC Live	0.00 psf		1.00 / 1.00 / 1.00
BC Dead	8.00 psf	O.C.Spacing	2- 0- 0
Bldg Code:	CRC-2013	DEFL RATIO:	L/240 TC: L/240

Job Name: HERNANDEZ RESIDENCE

Truss ID: B0G

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0- 4- 1	274	8.10"	1.50"
2	2- 8- 0	186	3.50"	1.50"
3	4- 0- 0	132	3.50"	1.50"
4	5- 4- 0	153	3.50"	1.50"
5	6- 8- 0	160	3.50"	1.50"
6	8- 0- 0	167	3.50"	1.50"
7	9- 4- 0	175	3.50"	1.50"
8	10- 8- 0	185	3.50"	1.50"
9	12- 0- 0	117	3.50"	1.50"
10	12- 7- 0	150	3.50"	1.50"
11	14- 5- 0	222	3.50"	1.50"
12	16- 0- 0	197	3.50"	1.50"
13	17- 4- 0	175	3.50"	1.50"
14	18- 8- 0	168	3.50"	1.50"
15	20- 0- 0	161	3.50"	1.50"
16	21- 4- 0	154	3.50"	1.50"
17	22- 8- 0	146	3.50"	1.50"
18	24- 0- 0	57	3.50"	1.50"
19	25- 4- 0	422	3.50"	1.50"
20	26-11-14	45	3.50"	1.50"
21	28- 7-13	142	3.50"	1.50"
22	31- 1-14	372	20.28"	1.50"

MAX DEFLECTION (span) :
L/999 MEM 20-21 (LIVE) LC 1
L= -0.03" D= -0.04" T= -0.07"

CRITICAL MEMBER FORCES:

TC	COMP.(DUR.)/	TENS.(DUR.)	CSI
1-2	-123(1.25)/	8(1.60)	0.03
2-3	-118(1.25)/		0.03
3-4	-115(1.25)/		0.02
4-5	-117(1.25)/		0.02
5-6	-119(1.25)/		0.02
6-7	-120(1.25)/	13(1.60)	0.02
7-8	-122(1.25)/	29(1.60)	0.02
8-9	-124(1.25)/	47(1.60)	0.02
9-10	-101(1.25)/	57(1.60)	0.03
10-11	-122(1.25)/	51(1.60)	0.03
11-12	-126(1.25)/	51(1.60)	0.04
12-13	-128(1.25)/	55(1.60)	0.04
13-14	-121(1.25)/	32(1.60)	0.03
14-15	-120(1.25)/	16(1.60)	0.02
15-16	-119(1.25)/		0.02
16-17	-117(1.25)/		0.02
17-18	-116(1.25)/		0.02
18-19	-102(1.25)/		0.02
19-20	-107(1.25)/		0.21
20-21	-111(1.25)/	9(1.60)	0.22

BC	COMP.(DUR.)/	TENS.(DUR.)	CSI
22-23	-32(1.60)/	55(1.60)	0.02
23-24	/		0.02
24-40	/		0.01
40-41	/		0.14

WB	COMP.(DUR.)/	TENS.(DUR.)	CSI
2-23	-156(1.25)/	34(1.60)	0.02
3-24	-114(1.25)/	13(1.60)	0.01
4-25	-132(1.25)/	7(1.60)	0.02
5-26	-138(1.25)/		0.02
6-27	-145(1.25)/		0.03
7-28	-154(1.25)/		0.04
8-29	-163(1.25)/	7(1.60)	0.06
9-30	-104(1.25)/	15(1.60)	0.05
10-31	-64(1.25)/		0.03
12-32	-96(1.25)/		0.05
13-33	-174(1.25)/	14(1.60)	0.06
14-34	-154(1.25)/		0.04
15-35	-147(1.25)/		0.03
16-36	-140(1.25)/	1(1.60)	0.02
17-37	-133(1.25)/	17(1.60)	0.02
18-38	-124(1.25)/	23(1.60)	0.02
19-39	-27(1.25)/		0.00
20-40	-392(1.25)/	48(1.60)	0.04
10-31	-64(1.25)/		0.03
12-32	-96(1.25)/		0.05

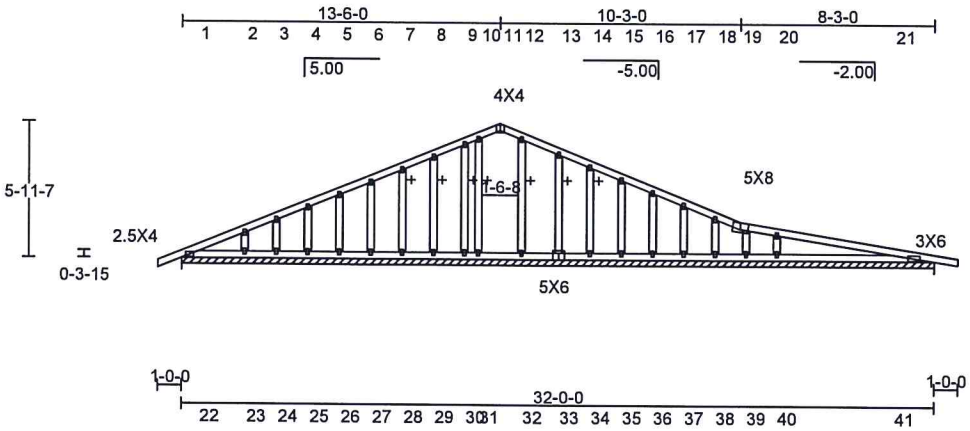
TC	2x4 DFL #1 & Btr.
BC	2x4 DFL #1 & Btr.
WEB	2x4 DFL STANDARD

Kcr (creep factor) = 2.00
Refer to Joint QC Detail Sheets for Cq factors and Rotational Tolerances.
Loaded for 10 PSF non-concurrent BCLL.
Mark all interior bearing locations.
Permanent bracing is required to prevent rotation/toppling. See BCSI and ANSI/TPI 1.
PLATING BASED ON GREEN LUMBER VALUES.
HORIZONTAL REACTION(S) :
support 21 177 lb
support 22 -255 lb
Not designed for attic storage unless noted otherwise.

Designed per ANSI/TPI 1-2007
Fabrication Tolerance = 20.0%
Bearings designed for an FcPerp value of the lesser of the truss chord lumber value or 625 for all bearings.
IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in ESR-1118.
Install interior support(s) before erection.
Building designer shall verify gable loads and eave loads, if applicable.
[+] gable bracing required @ 42" intervals, if exposed to wind load applied to face. See ITWBCG's Gable Bracing Details.
This truss is designed using the ASCE7-10 Wind Specification
Bldg Enclosed = Yes,
Truss Location = Not End Zone
Exp Category = C
Bldg Length = 30.00 ft, Bldg Width = 32.00 ft
Mean roof height = 12.98 ft, mph = 110
Occupancy Category II, Dead Load = 13.2 psf
Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding
Tributary Area = 89 sqft

UPLIFT REACTION(S) :

Support	C&C Wind	Non-Wind
1	-12 lb	
2	-13 lb	
3	-5 lb	
4	-6 lb	
5	-6 lb	
6	-6 lb	
7	-7 lb	
8	-7 lb	
9	-6 lb	
10	-6 lb	
11	-9 lb	
12	-8 lb	
13	-7 lb	
14	-6 lb	
15	-6 lb	
16	-6 lb	
17	-10 lb	
18	-1 lb	
19	-34 lb	
20	-1 lb	-6 lb
21	-5 lb	
22	-45 lb	



TYPICAL PLATE : 1.5X3

OVER CONTINUOUS SUPPORT

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 10 PSF one face, and 24" span opposite face. Top chord must not be cut or notched.

All connector plates are ALPINE Wave 20 ga., unless preceded by "H" for High Strength 20 ga., "S" for Super Strength 18 ga. Plates are to be positioned per Joint Detail Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates.

REGISTERED PROFESSIONAL ENGINEER
RUSSELL T. TANGREA
No. C 72160
CIVIL
STATE OF CALIFORNIA

2/25/2016

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TRUSPLUS 6.0 VER: T6.5.20

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For more information see this job's general notes page and these web sites:
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Cust: SUTTER COUNTY HOUSING AUTHORITY
DIR: Drive_M_0710216_L00007_J00001
WO: Drive_M_0710216_L000
Dsgnr: AW **#LC = 40** **WT/PLY: 219#**

TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Pf)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	14.00 psf	Rep Mbr Bnd / Comp / Tens	1.00 / 1.00 / 1.00
BC Live	0.00 psf	0.C.Spacing	2- 0- 0
BC Dead	8.00 psf		
Bldg Code:	CRC-2013	DEFL RATIO:	L/240 TC: L/240