



**Building Permit Application**  
**City of Portland, Oregon - Bureau of Development Services**

1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7310 • TTY 503-823-6868 • www.portlandoregon.gov/bds

12-13756RS

**Type of work**

New construction  Addition/alteration/replacement  
 Demolition  Other:

**Category of construction**

1 & 2 family dwelling  Commercial/industrial  Accessory building  
 Multifamily  Master builder  Other:

**Job site information and location**

Job no.: Job address: 4626 N.E. 77<sup>th</sup> AVE.  
 City/State/ZIP: Portland OR  
 Suite/bldg./apt. no.: Project name:  
 Cross street/directions to job site: prescott  
 Subdivision: Lot no. Tax map/parcel no.

**Description of work**

Adding master Bdrm + BATH.

Reference RS / Combination Permit no.

**Property owner**  **Tenant**

Name: Jane Geuson  
 Address: 4626 N.E. 77<sup>th</sup> AVE Portland  
 City/State/ZIP: Portland  
 Phone: 503-341-1020 FAX:  
**Owner installation:** This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.  
 Owner signature: Date:

**Contractor**

Business name: American Legacy Homes  
 Address: 1600 N.E. Chehalis Dr.  
 City/State/ZIP: Newberg OR 97137  
 Phone: 503-341-8615 FAX: 503-554-5557  
 CCB lic. no. 172730  
 Authorized signature: [Signature]  
 Print name: Jeremy L. Gissel Date: 5/2/12

**Applicant**  **Contact Person**

Business name: American Legacy Homes  
 Contact name: Jeremy  
 Address: 1600 N.E. Chehalis Dr.  
 City/State/ZIP: Newberg OR  
 Phone: 503-341-8615 FAX:  
 E-mail: americanlegacyhomes@aol.com  
 Authorized signature: [Signature]  
 Print name: Jeremy L. Gissel Date: 5/2/12

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

**Office Use Only**

Permit no:  
 Date received:  
 By:

**Required Data: One and Two Family Dwelling**

Permit fees\* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	46,000
Number of bedrooms:	
Number of bathrooms:	
Total number of floors:	
New dwelling area:	square feet
Garage/carport area:	square feet
Covered porch area:	square feet
Deck area:	square feet
Other structure area:	square feet

**Required Data: Commercial Use**

Permit fees\* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	
Existing building area:	square feet
New building area:	square feet
Number of stories:	
Type of construction:	
Occupancy groups	
Existing:	
New:	

**Notice**

All contractors and subcontractors are required to be licensed with the Oregon Construction Contractors Board under ORS 701 and may be required to be licensed in the jurisdiction in which work is being performed. If the applicant is exempt from licensing, the following reasons apply.

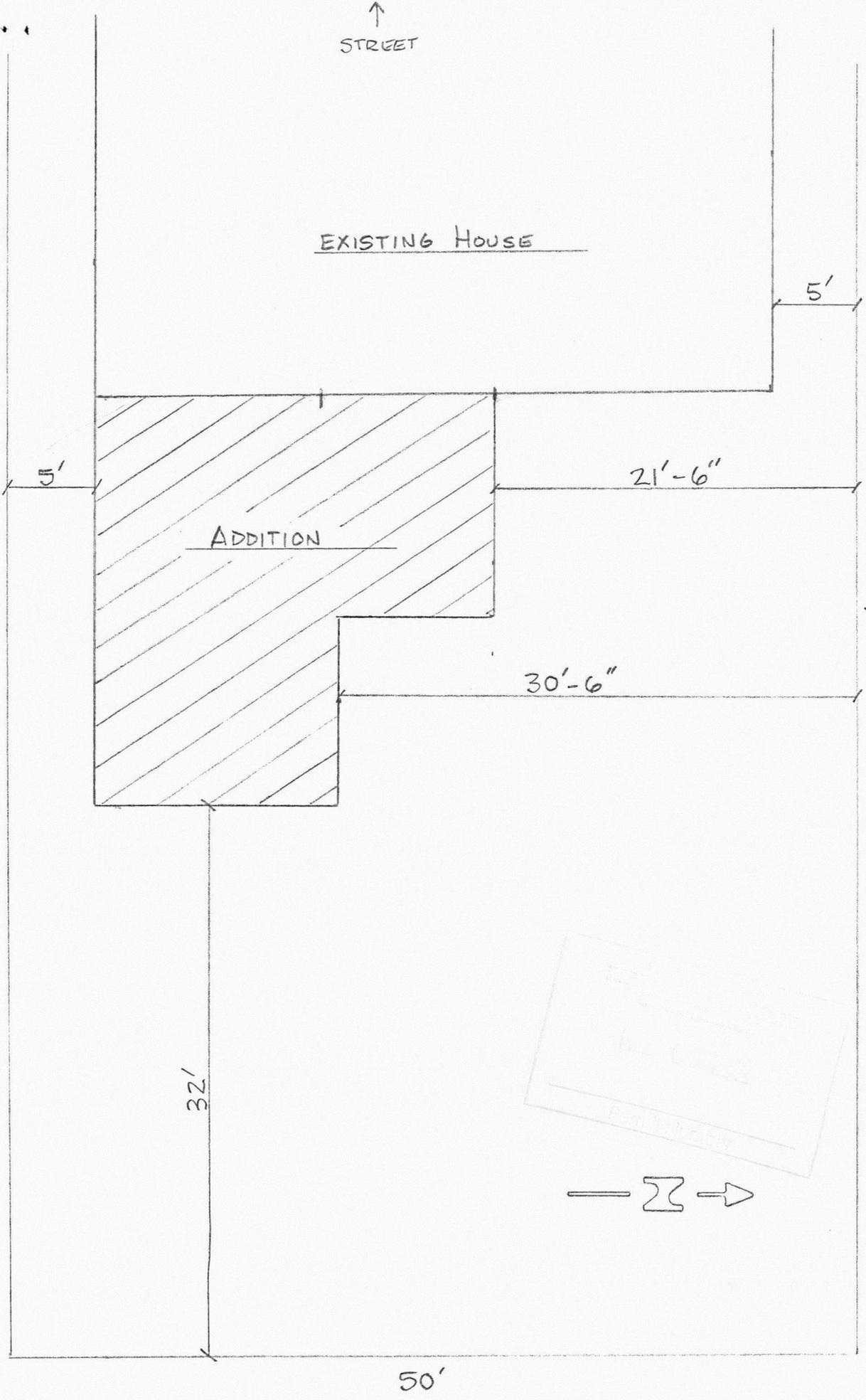
**Statement of Fact:** I certify that the facts and information set forth in this application are true and complete to the best of my knowledge. I understand that any falsification, misrepresentation or omission of fact (whether intentional or not) in this application or any other required document, as well as any misleading statement or omission, may be cause for revocation of permit and/or certificate of occupancy, regardless of how or when discovered.

**Building Permit Fees\***

Please refer to fee schedule	
Fees due upon application	
Amount received	
Date received	

Sub-contractor information can be faxed to 503-823-7693.

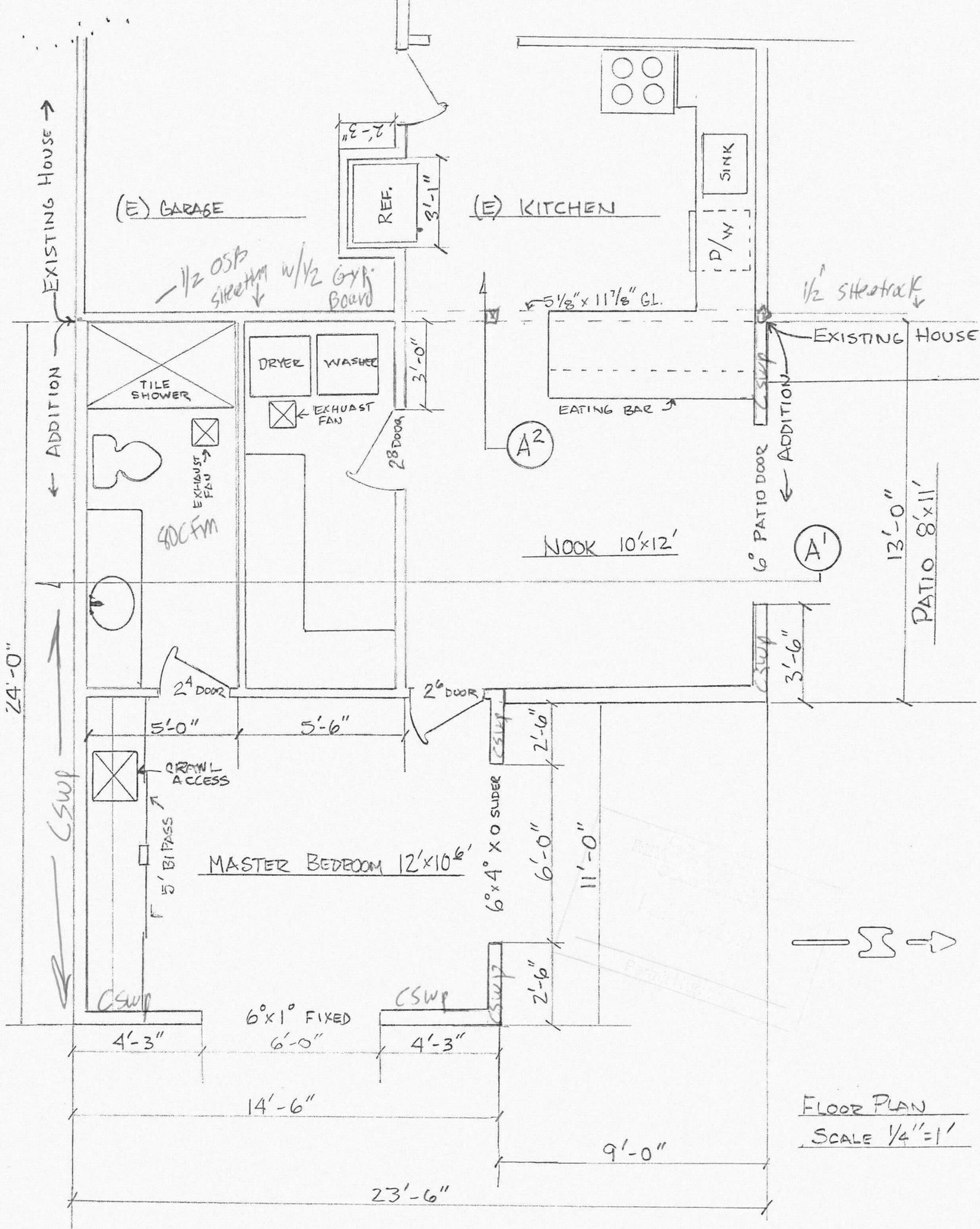
2



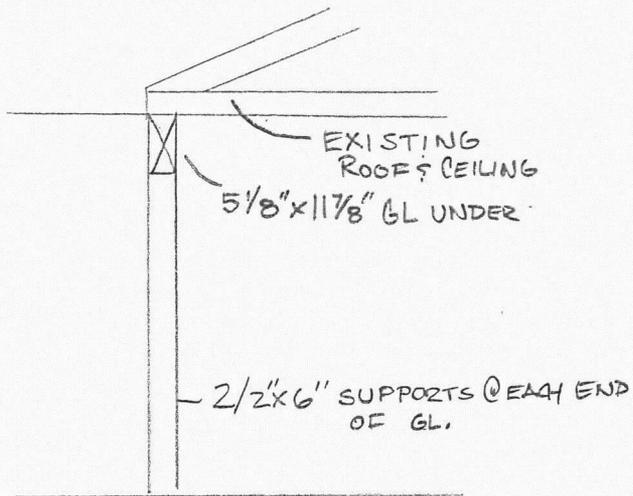
12-137156RS

PLOT SETBACKS  
1/8" = 1'

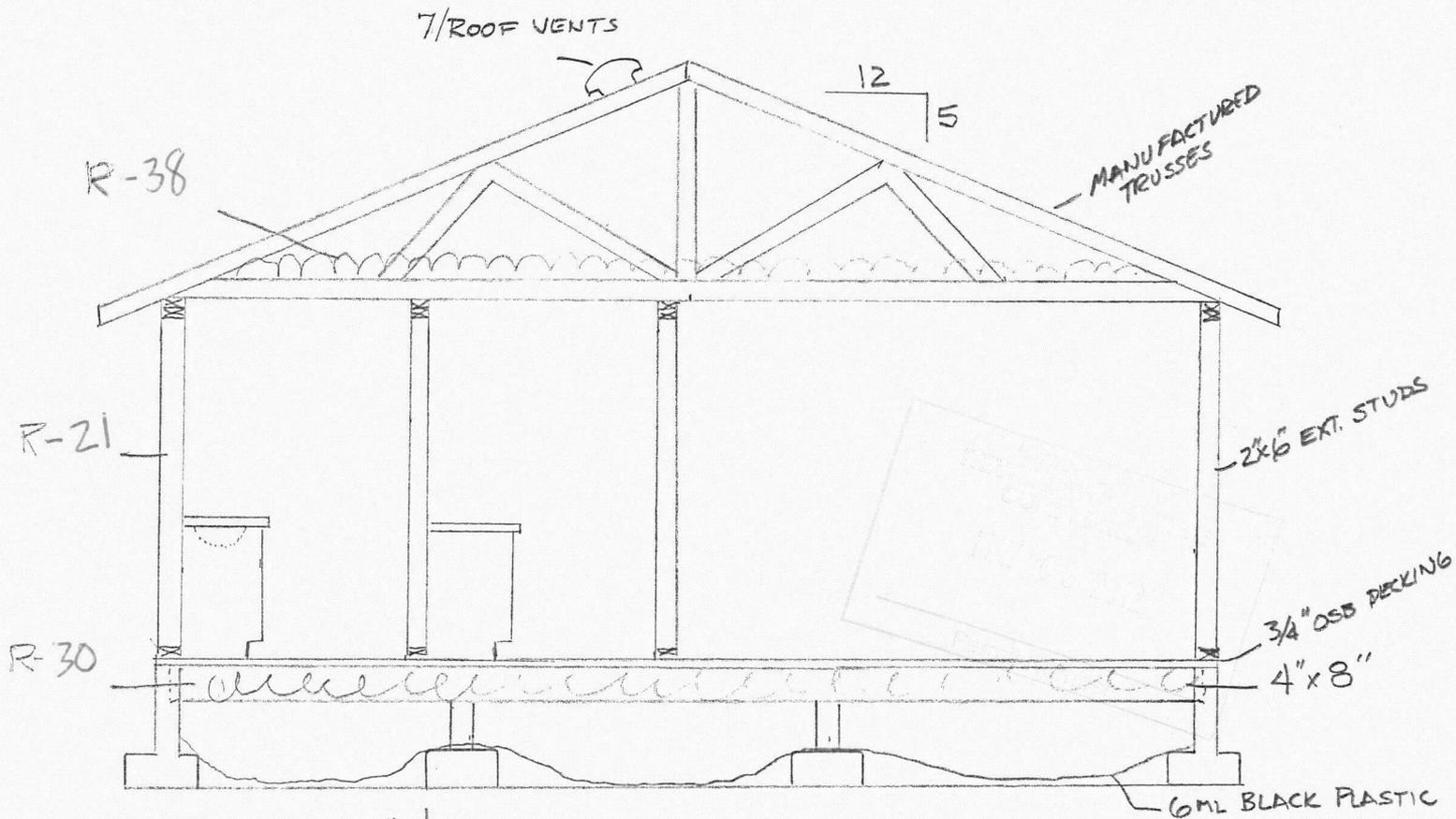




FLOOR PLAN  
SCALE 1/4" = 1'



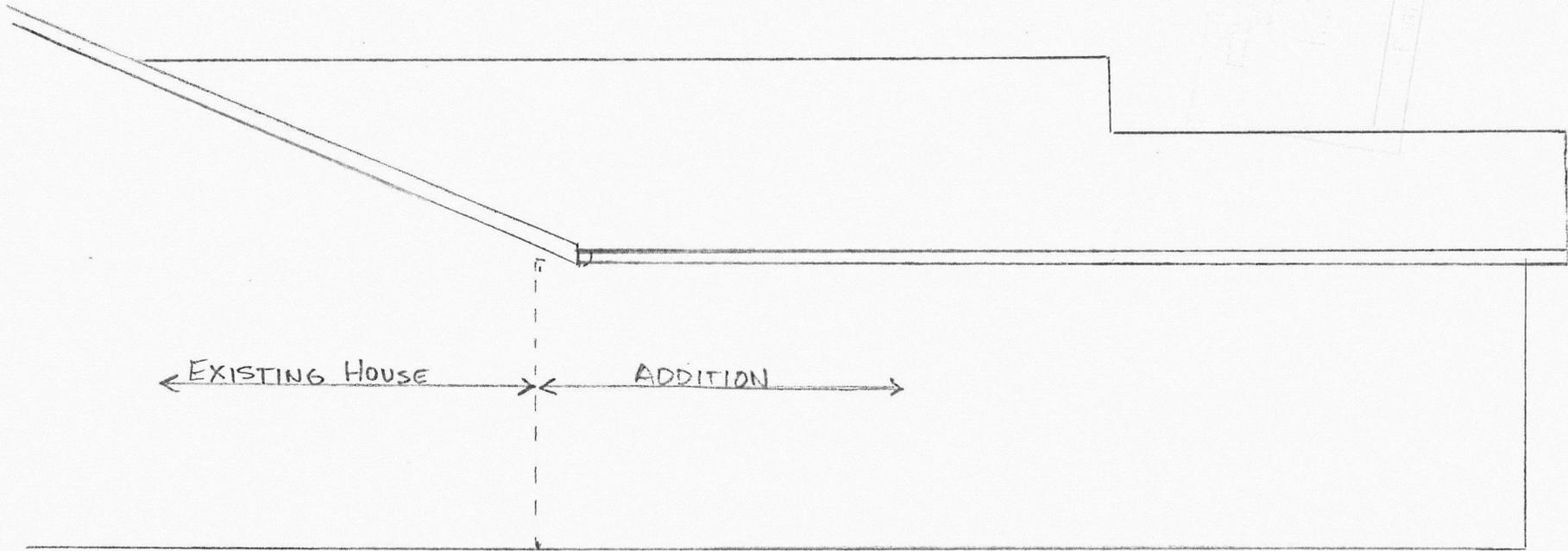
SECTION A<sup>2</sup> DETAIL



SECTION A<sup>1</sup> DETAIL

SCALE 1/4" = 1'



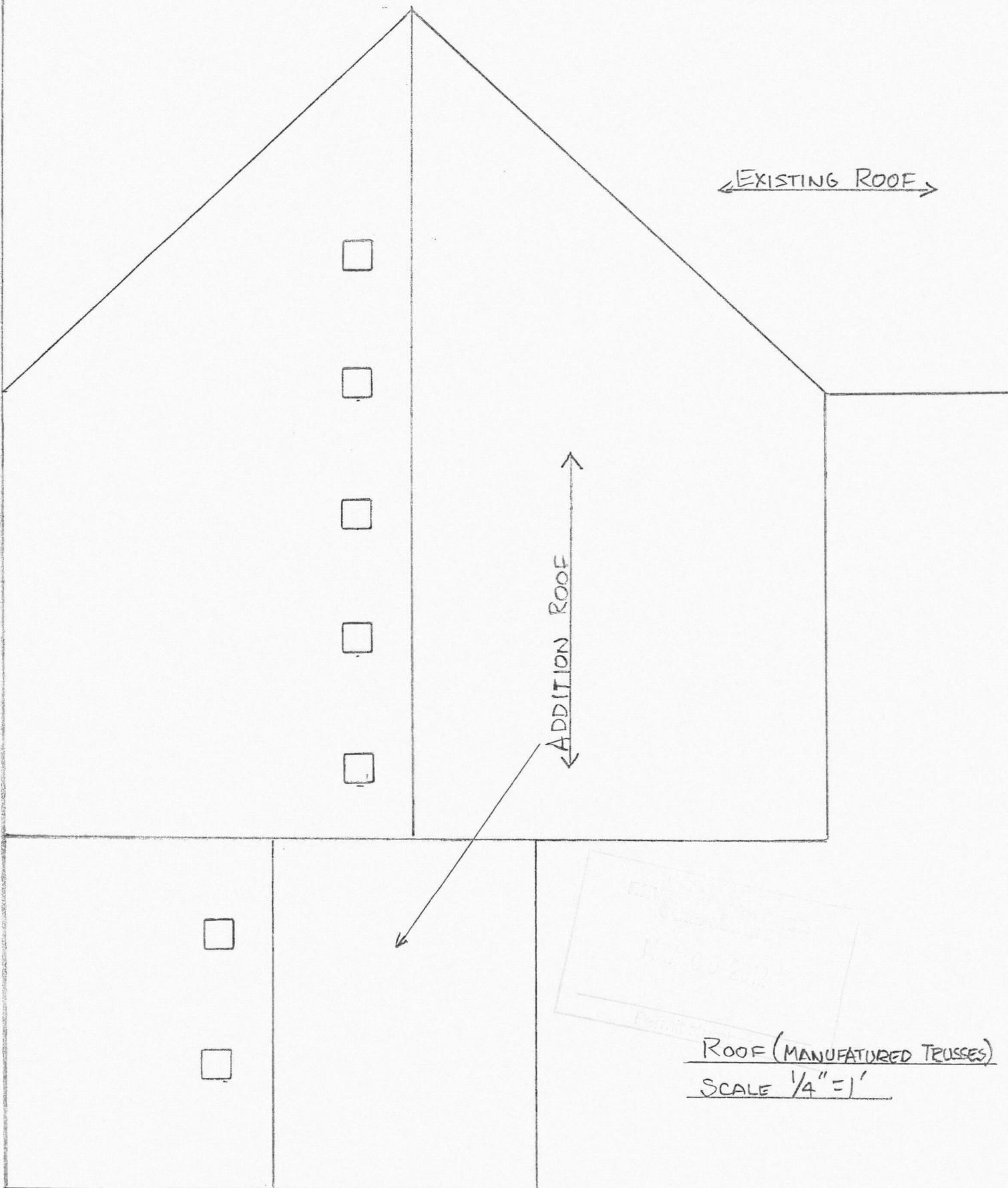


← EXISTING HOUSE →

← ADDITION →

SOUTH SIDE VIEW

SCALE 1/4" = 1'



←EXISTING ROOF→

←ADDITION ROOF→



ROOF (MANUFACTURED TRUSSES)  
SCALE 1/4"=1'



# Disclaimer for Existing On-site Sewage Disposal System

To Our Valued Customers:

Development Services records indicate there may be an abandoned cesspool or septic tank on your property. There are inherent risks associated with building near or over these features. Cesspools or septic tanks may collapse, settle and/or cause subsidence of the ground which may damage structures or otherwise result in hazardous conditions. It is your responsibility as the property owner to protect yourself and your property against the potential adverse effects these features may cause.

As the property owner, it is your responsibility to obtain a permit and properly decommission known and suspected cesspools and septic tanks on your property. A properly decommissioned cesspool or septic tank should be filled with ¾ inch minus gravel, angular pea gravel or masonry sand and be watered down or compacted in lifts. Common soil or dirt is not an approved fill material. If you encounter or determine that a cesspool or septic tank has not been properly decommissioned, you must obtain a permit and decommission it in accordance with the instructions below.

If you have any questions regarding this matter or other matters regarding onsite sewage disposal systems, you may contact the Site Development section at 503-823-6892.

Project or Permit Number 12-137156RS

Project Address 4626 W.E. 77th SA AVE.

I understand the above. I am the owner of the property or am authorized to act for the property owner(s)

Date 5/2/12 Check one  Property Owner  Other \_\_\_\_\_

Signature [Signature] Name Jeremia L. Gissel / American Legacy Homes

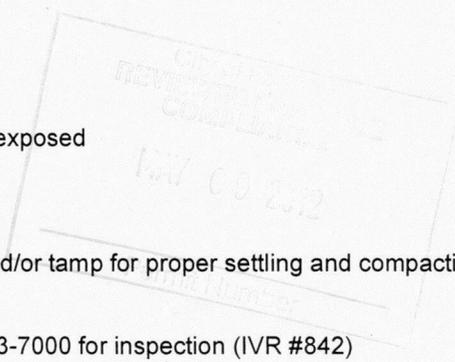
Street Address 1600 W.E. Chehalis Dr.

City Newberg State OR Zip Code 97137

Day Phone 503-341-8615 FAX \_\_\_\_\_ email \_\_\_\_\_

## OAR 340-71-185 Decommissioning of System Procedures:

1. Obtain a Decommissioning permit
2. Pump sewage out of system (as applicable)
3. Fill using suitable material after pumping to top, leaving material type exposed  
Suitable Materials are:
  - ¾" minus gravel or angular pea gravel (with fines) – compacted
  - Masonry or playground sand fill in lifts of 1-5 ft and water down and/or tamp for proper settling and compaction
  - Concrete slurry (if UIC or commercial property)
4. After system has been pumped and filled but not covered, call 503-823-7000 for inspection (IVR #842)
5. Provide copy of pump receipt at time of inspection
6. The system building sewer shall be permanently capped as applicable



**THIS IS NOT A WAIVER**  
Information is subject to change.

# ITW Building Components Group, Inc.

8351 Rovana Circle Sacramento, CA 95828 (916) 387-0116

Page 1 of 1 Document ID: IULR7175Z0703092257

Truss Fabricator: **Truss Components of Oregon**  
Job Identification: **0512032--PARR LUMBER-NEWBERG -Truss addition -- VERIFY VERIFY, OR**  
Model Code:  
Truss Criteria: **CUSTOM/TPI-2007(STD)**  
Engineering Software: **Alpine proprietary truss analysis software. Version 10.02.**  
Truss Design Loads: **Roof - 42 PSF @ 1.15 Duration**  
**Floor - N/A**  
**Wind - 100 MPH (ASCE 7-05-Closed)**

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.**
- As shown on attached drawings, the drawing number is preceded by: CAUSR7175**

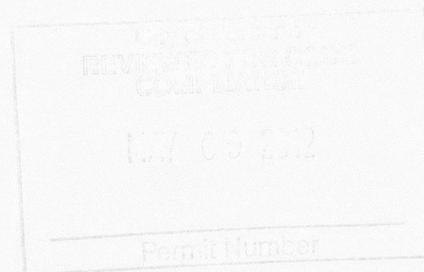
Garold W. Heal  
Oregon 19575 PE

Details: **A1001505-GBLLETIN-GABRST05-**

Submitted by **GWH 09:22:51 05-03-2012** Reviewer: **BFR**

\$ \$

#	Ref	Description	Drawing#	Date
1	93774--A		12124003	05/03/12
2	93775--AGE		12124004	05/03/12
3	93776--B		12124005	05/03/12
4	93777--BGE		12124006	05/03/12



Top chord 2x4 DF-L #2(g)  
 Bot chord 2x4 DF-L #1&Bet.(g)  
 Webs 2x4 DF-L Std/Stud(g)

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

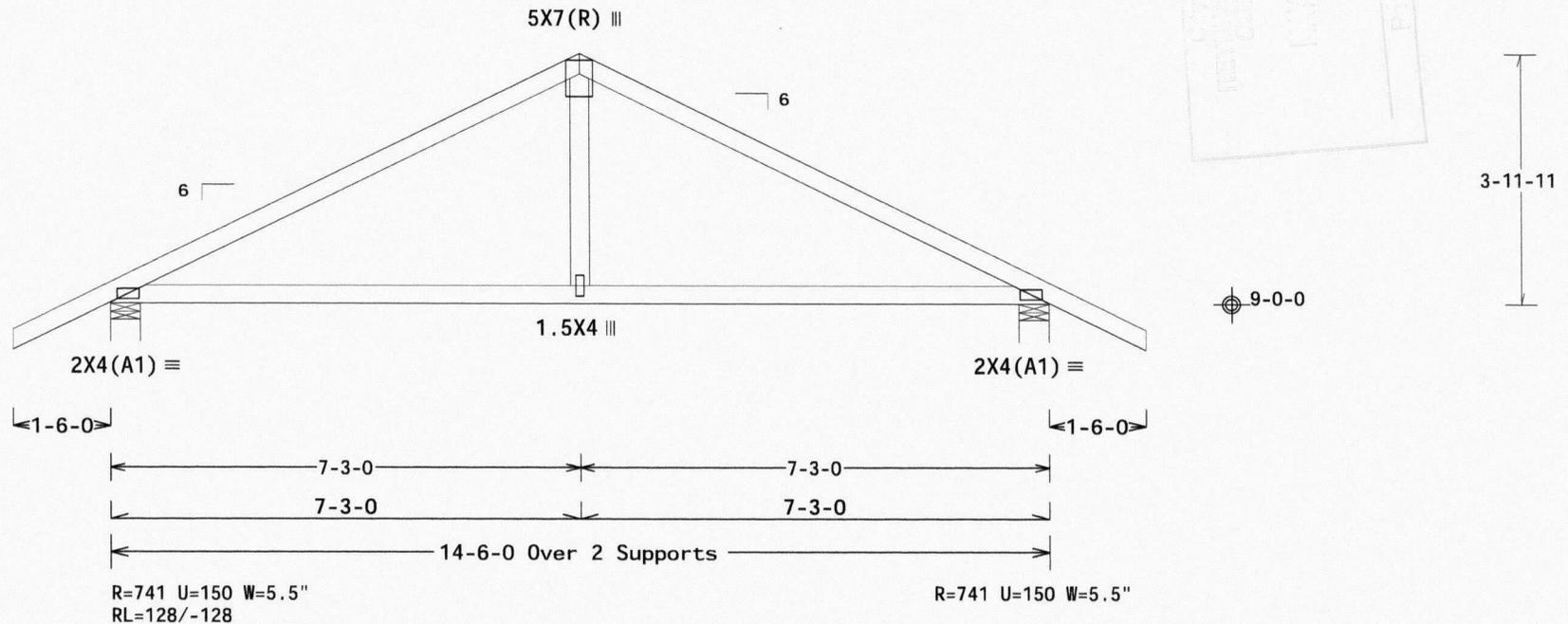
Wind loads and reactions based on MWFRS with additional C&C member design.

Roof overhang supports 2.00 psf soffit load.

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 2.00.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.10, CAT II & Pf=21.17 psf.



Design Crit: CUSTOM/TPI-2007(STD)  
 FT/RT=4%(0%)/10(O)

PLT TYP. Wave

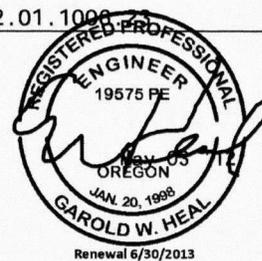
Truss Components of Oregon (503)357-2181  
 825 N 4th Ave, Cornelius OR 97113



**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, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 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 & BRACING OF TRUSSES. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TP11-2002 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.

10.02.01.1008.23



OR/-/1/-/-/R/-

Scale = .375"/Ft.

TC LL	25.0 PSF	REF R7175- 93774
TC DL	10.0 PSF	DATE 05/03/12
BC DL	7.0 PSF	DRW CAUSR7175 12124003
BC LL	0.0 PSF	CA-ENG BFR/GWH *
TOT.LD.	42.0 PSF	SEQN- 307094
DUR.FAC.	1.15	FROM BB
SPACING	24.0"	JREF- 1ULR7175Z07

Top chord 2x4 DF-L #2(g)  
 Bot chord 2x4 DF-L #1&Bet.(g)  
 Webs 2x3 HF #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

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

Roof overhang supports 2.00 psf soffit load.

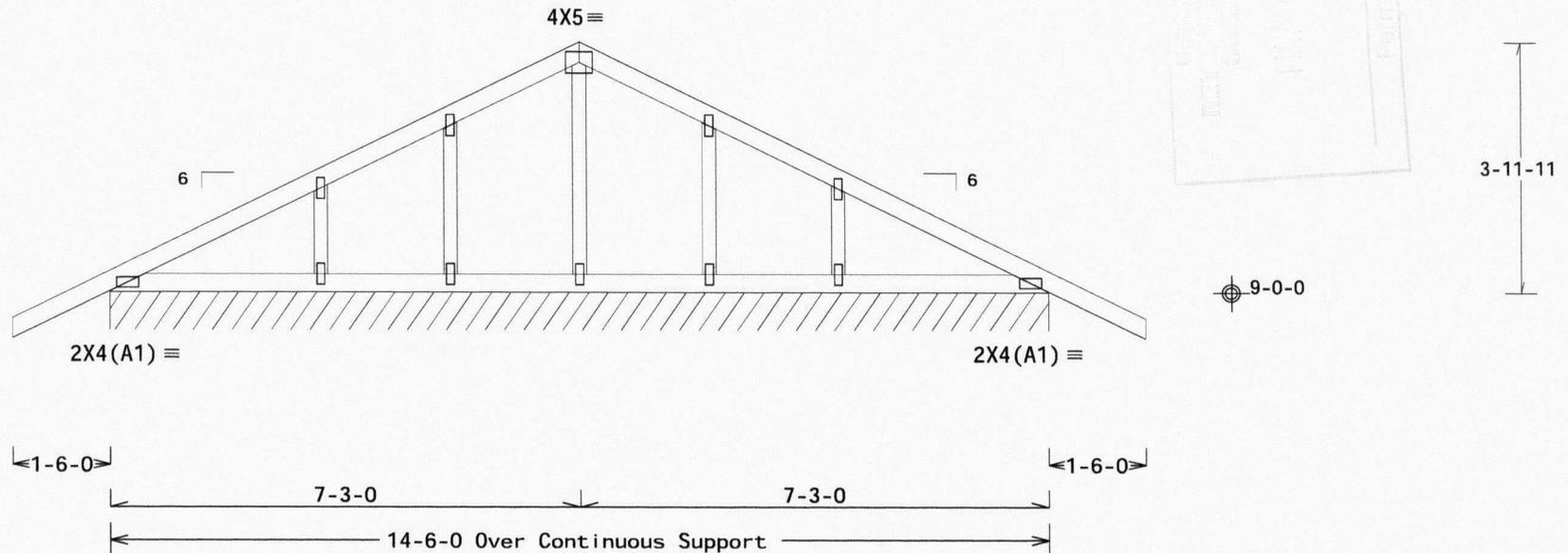
Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 3.00 PSF. Top chord must not be cut or notched.

See DWGS A10015050109, GBLLETIN0109, & GABRST050109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/180 live and L/120 total load. Creep increase factor for dead load is 2.00.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.10, CAT II & Pf=21.17 psf.



R=148 PLF U=44 PLF W=14-6-0  
 RL=14/-14 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: CUSTOM/TPI-2007(STD)  
 FT/RT=4%(0%)/10(0)

PLT TYP. Wave

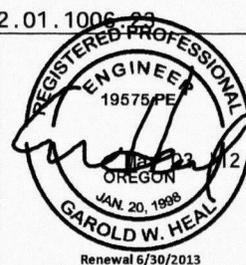
Truss Components of Oregon (503)357-2181  
 825 N 4th Ave, Cornelius OR 97113



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10.02.01.1006.23



OR/-/1/-/-/R/- Scale = .375"/Ft.

TC LL	25.0 PSF	REF R7175- 93775
TC DL	10.0 PSF	DATE 05/03/12
BC DL	7.0 PSF	DRW CAUSR7175 12124004
BC LL	0.0 PSF	CA-ENG BFR/GWH *
TOT.LD.	42.0 PSF	SEQN- 307098
DUR.FAC.	1.15	FROM BB
SPACING	24.0"	JREF- 1ULR7175Z07

(0512032--PARR LUMBER-NEWBERG -Truss addition -- VERIFY VERIFY, OR - B)

Top chord 2x4 DF-L #1&Bet. (g)  
 Bot chord 2x4 HF #2 :B2 2x4 DF-L #2(g):  
 Webs 2x4 DF-L Std/Stud(g)

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Roof overhang supports 2.00 psf soffit load.

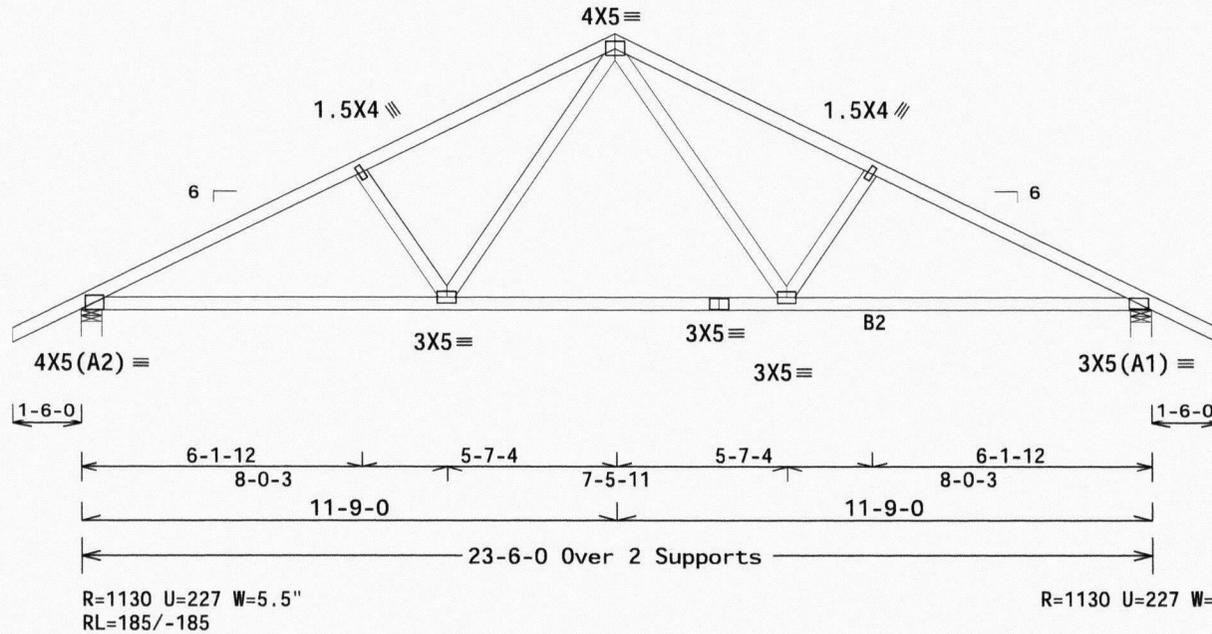
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 2.00.

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.10, CAT II & Pf=21.17 psf.



TRUSS COMPONENTS OF OREGON  
 825 N 4th Ave, Cornelius, OR 97113  
 Permit Number:

6'-2"-11  
 9'-0"-0

Design Crit: CUSTOM/TPI-2007(STD)  
 FT/RT=4%(0%)/10(0)

10.02.01.1006 23

OR/-/1/-/-/R/-

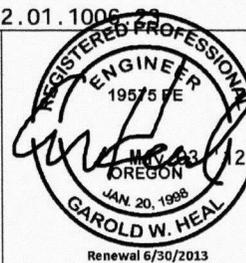
Scale = .25"/Ft.

PLT TYP. Wave

Truss Components of Oregon (503)357-2171  
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TC LL	25.0 PSF	REF R7175- 93776
TC DL	10.0 PSF	DATE 05/03/12
BC DL	7.0 PSF	DRW CAUSR7175 12124005
BC LL	0.0 PSF	CA-ENG BFR/GWH *
TOT.LD.	42.0 PSF	SEQN- 307102
DUR.FAC.	1.15	FROM BB
SPACING	24.0"	JREF- 1ULR7175Z07



(0512032--PARR LUMBER-NEWBERG -Truss addition -- VERIFY VERIFY, OR - BGE)

Top chord 2x4 DF-L #1&Bet.(g)  
 Bot chord 2x4 HF #2 :B2 2x4 DF-L #2(g):  
 Webs 2x3 HF #2 :W1 2x4 DF-L Std/Stud(g):  
 :W2 2x6 HF #2:

Connectors in green lumber (g) designed using NDS/TPI reduction factors.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 3.00 PSF. Top chord must not be cut or notched.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.10, CAT II & Pf=21.17 psf.

+ Provide lateral bracing for inset chord. Attach nailer at edge of lower roof diaphragm, or use purlins at 24" oc.

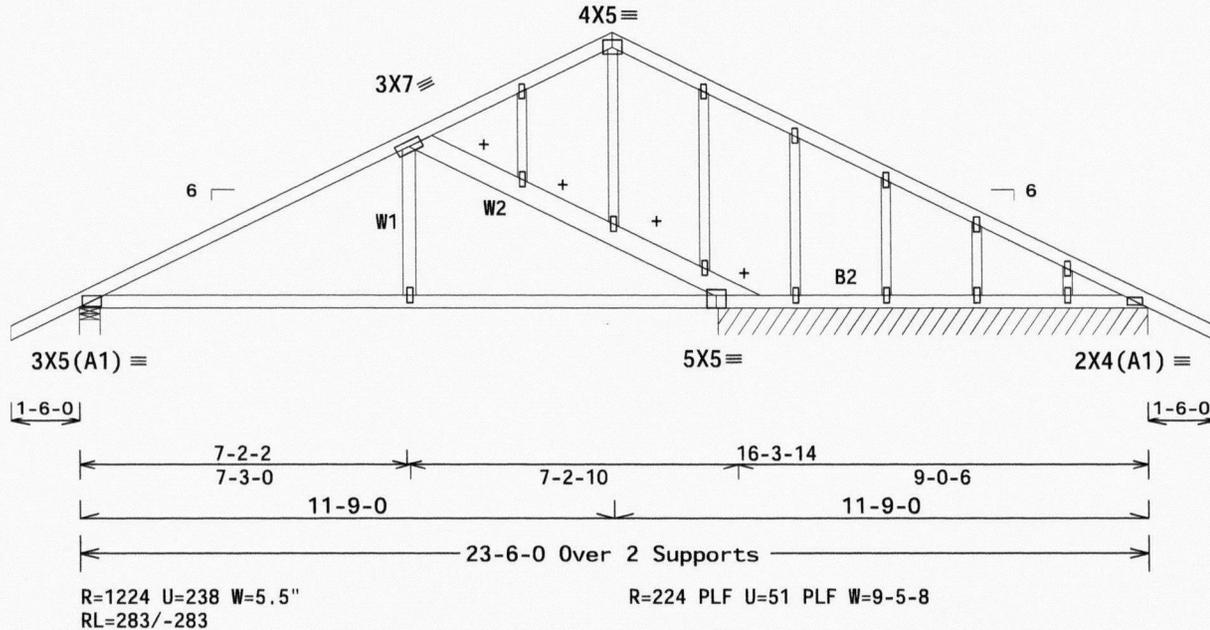
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See DWGS A10015050109, GBLLETIN0109, & GABRST050109 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 2.00.



Check  
 Review  
 Council  
 Permit Number

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: CUSTOM/TPI-2007(STD)  
 FT/RT=4%(0%)/10(0)

PLT TYP. Wave

Truss Components of Oregon (503)357-7111  
 825 N 4th Ave, Cornelius OR 97113

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10.02.01.1005

OR/-/1/-/-/R/-

Scale = .25"/Ft.

TC LL	25.0 PSF	REF R7175- 93777
TC DL	10.0 PSF	DATE 05/03/12
BC DL	7.0 PSF	DRW CAUSR7175 12124006
BC LL	0.0 PSF	CA-ENG BFR/GWH
TOT.LD.	42.0 PSF	SEQN- 307116
DUR.FAC.	1.15	FROM BB
SPACING	24.0"	JREF- 1ULR7175Z07

### GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 100 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE VERTICAL LENGTH	2X4 GABLE VERTICAL		BRACE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
	SPACING	SPECIES			GRADE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A
	24" O.C.	SPF	HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 9"	10' 2"	10' 6"	13' 5"	13' 10"	14' 0"
#3				4' 1"	6' 9"	6' 9"	8' 7"	8' 7"	10' 2"	10' 2"	13' 5"	13' 5"	14' 0"	14' 0"
STUD				4' 1"	6' 9"	6' 9"	8' 7"	8' 7"	10' 2"	10' 2"	13' 5"	13' 5"	14' 0"	14' 0"
SP		DFL	STANDARD	4' 1"	5' 9"	5' 9"	7' 8"	7' 8"	10' 2"	10' 2"	11' 11"	11' 11"	14' 0"	14' 0"
			#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 2"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
			#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 2"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
SP		DFL	#3	4' 3"	6' 11"	6' 11"	8' 7"	9' 0"	10' 2"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
			STUD	4' 3"	6' 10"	6' 10"	8' 7"	9' 0"	10' 2"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 2"	5' 11"	5' 11"	7' 10"	7' 10"	10' 2"	10' 6"	12' 2"	12' 2"	14' 0"	14' 0"
16" O.C.	SPF	HF	#1 / #2	4' 10"	8' 3"	8' 6"	9' 9"	10' 1"	11' 8"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 8"	8' 3"	8' 3"	9' 9"	9' 9"	11' 8"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 8"	8' 3"	8' 3"	9' 9"	9' 9"	11' 8"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	STANDARD	4' 8"	7' 1"	7' 1"	9' 4"	9' 4"	11' 8"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 3"	8' 3"	8' 11"	9' 9"	10' 7"	11' 8"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 2"	8' 3"	8' 11"	9' 9"	10' 7"	11' 8"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	#3	4' 11"	8' 3"	8' 6"	9' 9"	10' 4"	11' 8"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	4' 11"	8' 3"	8' 5"	9' 9"	10' 4"	11' 8"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	4' 10"	7' 3"	7' 3"	9' 7"	9' 7"	11' 8"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	HF	#1 / #2	5' 3"	9' 1"	9' 4"	10' 9"	11' 1"	12' 10"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 2"	9' 1"	9' 1"	10' 9"	10' 9"	12' 10"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	5' 2"	9' 1"	9' 1"	10' 9"	10' 9"	12' 10"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	STANDARD	5' 2"	8' 2"	8' 2"	10' 9"	10' 9"	12' 10"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 9"	9' 1"	9' 10"	10' 9"	11' 7"	12' 10"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 8"	9' 1"	9' 10"	10' 9"	11' 7"	12' 10"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	#3	5' 5"	9' 1"	9' 7"	10' 9"	11' 4"	12' 10"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			STUD	5' 5"	9' 1"	9' 7"	10' 9"	11' 4"	12' 10"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			STANDARD	5' 3"	8' 5"	8' 5"	10' 9"	11' 1"	12' 10"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:			
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD
DOUGLAS FIR-LARCH		SOUTHERN PINE	
#3	STUD	#3	STUD
STANDARD	STANDARD	STANDARD	STANDARD

GROUP B:	
HEM-FIR	
#1 & BTR	#1
#1	#2
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 60 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS. (0.128 x3" min)

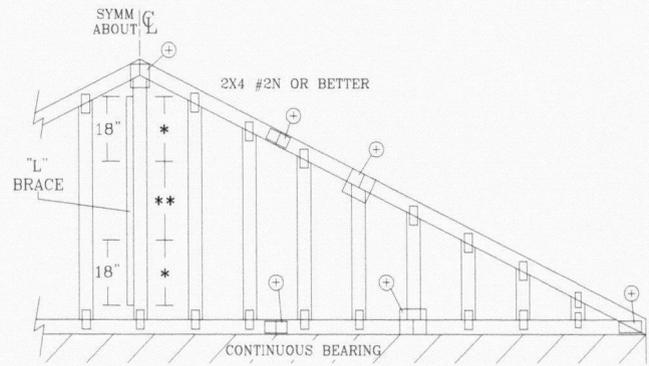
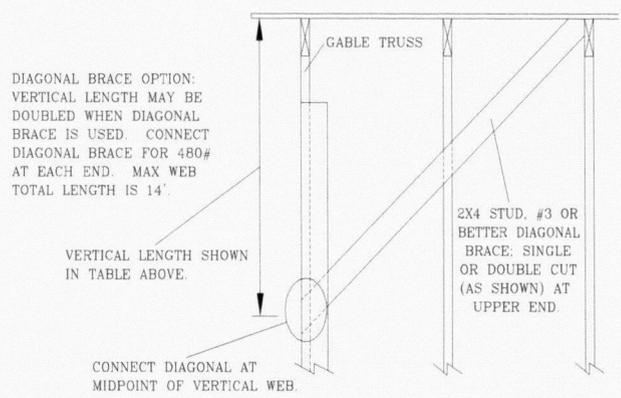
\* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

\*\* FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

Earth City, MO 63045

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow 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 panels 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. See this job's general notes page for more information.

**\*\*IMPORTANT\*\*** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.  
ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 20/18/18GA (W/H/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and 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 ANST/TPI 1 Sec. 2.  
ITW-BCG: www.itwbcg.com, TPI: www.tpinet.com, WTCA: www.sbindustry.com, ICC: www.iccsafe.org

REF	ASCE7-05-GAB10015
DATE	1/1/09
DRWG	A10015050109
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	

# ASCE 7-05: EXPOSURE C COMMON RESIDENTIAL GABLE END WIND BRACING REQUIREMENTS - STIFFENERS

100 MPH, 30FT. MEAN HGT, ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C,  $K_{zt} = 1.00$ , WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

LATERAL CHORD BRACING REQUIREMENTS  
TOP: CONTINUOUS ROOF SHEATHING  
BOT: CONTINUOUS CEILING DIAPHRAGM

SEE ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN ON THIS DETAIL.

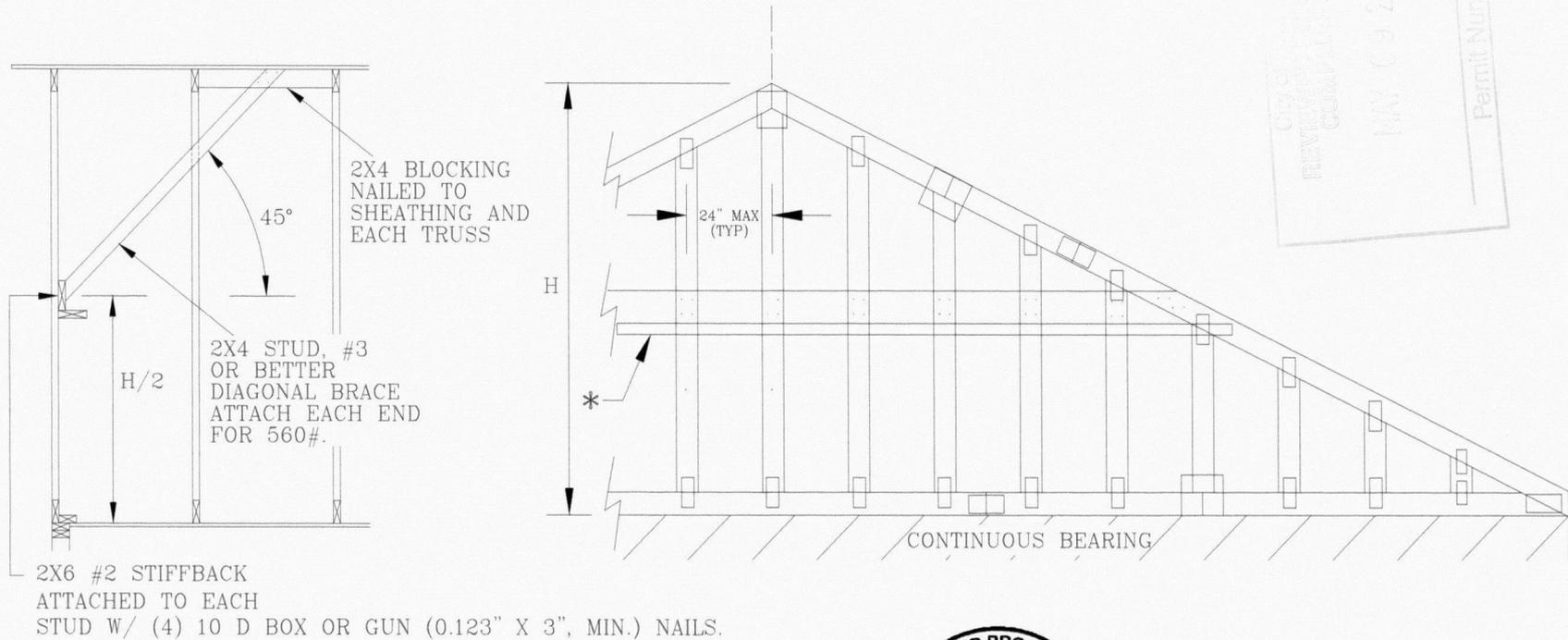
NAILS: 10d COMMON (0.148"x3") OR BOX (0.128"x3",MIN) NAILS OR GUN (0.125"X 3",min) NAILS.

H LESS THAN 4'6" - NO STUD BRACING REQUIRED

H GREATER THAN 4'6" TO 7'6" IN LENGTH  
PROVIDE A 2X6 STIFFBACK AT MID-HEIGHT AND BRACE STIFFBACK TO ROOF DIAPHRAGM EVERY 6'0" (SEE DETAIL BELOW OR REFER TO DRAWING A1003005).

H GREATER THAN 7'6" TO 12'0" MAX:  
PROVIDE A 2X6 STIFFBACK AT MID-HEIGHT AND BRACE TO ROOF DIAPHRAGM EVERY 4'0" (SEE DETAIL BELOW OR REFER TO DRWG A1003005).

\* OPTIONAL 2X L-REINFORCEMENT ATTACHED TO STIFFBACK WITH 10D BOX OR GUN (0.128" X 3", MIN.) NAILS @ 6" O.C.



CITY OF MADISON  
 REVIEWED FOR COMPLIANCE  
 MAY 09 2012  
 Permit Number



Earth City, MO 63045

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ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbindustry.com; ICC: www.iccsafe.org



TC LL	PSF	REF	GE WHALER
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	GABRST050109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
MAX SPACING	24"		