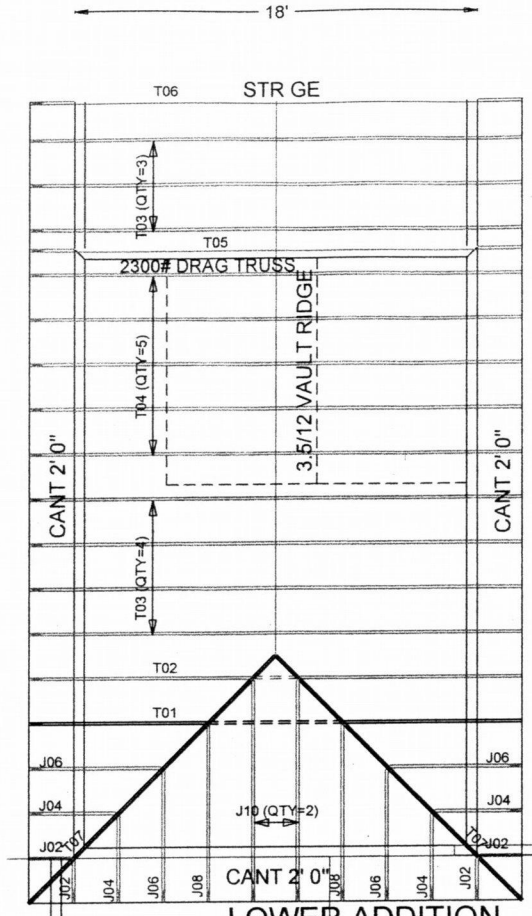
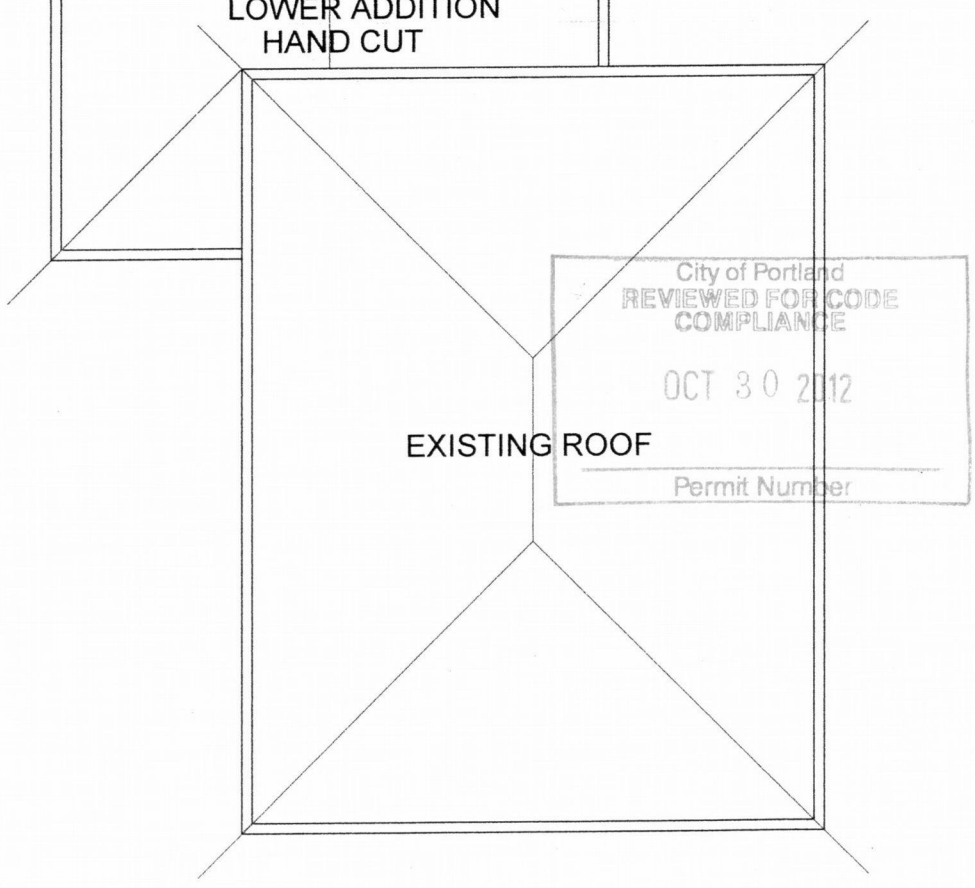


PARR LUMBER
HOFF CONSTRUCTION
WESTWOOD RESIDENCE
7/12 2' 0" CANT
LOADING 25-7-10

SIMPSON / ITW HANGERS	NAILS
A=HUS26 / HDPT26	N16 2 1/2"
B=HUS28 / HDTP28	N16 2 1/2"
C=LUS24 / STP24	N16 1 1/2"
D=HHUS28-2 / HDTP28-2	N16 2 1/2"
E=HGUS28-2 / HHDTP28-2	N16 2 1/2"
F=HGUS28-3 / HHDPT28-3	N16 2 1/2"
G=THJA-26 / MHJT	N16 2 1/2"
H=MTHM / MMTH	N16 2 1/2"

ALL HANGERS LUS24 U.N.O.



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(503) 286-2618 Portland
(360) 750-1493 Fax
1-877-TRUSWAY Toll Free
3901 NE 68th Street
Vancouver WA 98331

Customer: PARR LUMBER ROCKWOOD
Owner: HOFF CONSTRUCTION
Plan: WESTWOOD RESIDENCE
Salesman: Dean Haworth
Elevation: CANTED

JOB NO:
124062

PAGE NO:
1 OF 1

R1933 75 Revised

ITW Building Components Group, Inc.

8351 Rovana Circle Sacramento, CA 95828 (916) 387-0116
 Document ID:1UQN561-Z1826094306

Truss Fabricator:	**Trus-Way, Inc**
Job Identification:	**124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O**
Model Code:	**IRC**
Truss Criteria:	**IRC2009/TPI-2007(STD)**
Engineering Software:	**Alpine proprietary truss analysis software. Version 10.03.**
Truss Design Loads:	**Roof - 42 PSF @ 1.15 Duration** **Floor - N/A** **Wind - 110 MPH (ASCE 7-05-Closed)**

Notes:

1. **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.**
2. **As shown on attached drawings; the drawing number is preceded by: CAUSR561**

EXP 10/26/2012

Details: A1103005-GBLLETIN-
Submitted by CWC 09:42:57 10-26-2012 Reviewer: PBC
$ $

#	Ref	Description	Drawing#	Date
1	89574--T01		12300001	10/26/12
2	89575--T02		12300002	10/26/12
3	89576--T03		12300003	10/26/12
4	89577--T04		12300004	10/26/12
5	89578--T05		12300005	10/26/12
6	89579--T06		12300006	10/26/12
7	89580--T07		12300012	10/26/12
8	89581--J02		12300011	10/26/12
9	89582--J04		12300010	10/26/12
10	89583--J06		12300009	10/26/12
11	89584--J08		12300008	10/26/12
12	89585--J10		12300007	10/26/12

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - T01)

Top chord 2x4 DF-L #1&Bet.(g) :T2 1.5"x5.625" DF-L SS(g):
Bot chord 2x4 DF-L #1&Bet.(g)
Webs 2x4 DF-L Standard(g)

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

Special loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC- From 66 plf at 0.00 to 66 plf at 7.91
TC- From 2 plf at 7.91 to 2 plf at 14.06
TC- From 66 plf at 14.06 to 66 plf at 22.00
BC- From 20 plf at 0.00 to 20 plf at 7.97
BC- From 10 plf at 7.97 to 10 plf at 14.03
BC- From 20 plf at 14.03 to 20 plf at 22.00
TC- 450.00 lb Conc. Load at 7.91,14.06
TC- 249.49 lb Conc. Load at 10.00,12.00
BC- 82.75 lb Conc. Load at 7.97,10.00,12.00,14.03

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Wind loads and reactions based on MWFRS.

110 mph wind, 20.65 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Left and right cantilevers are exposed to wind

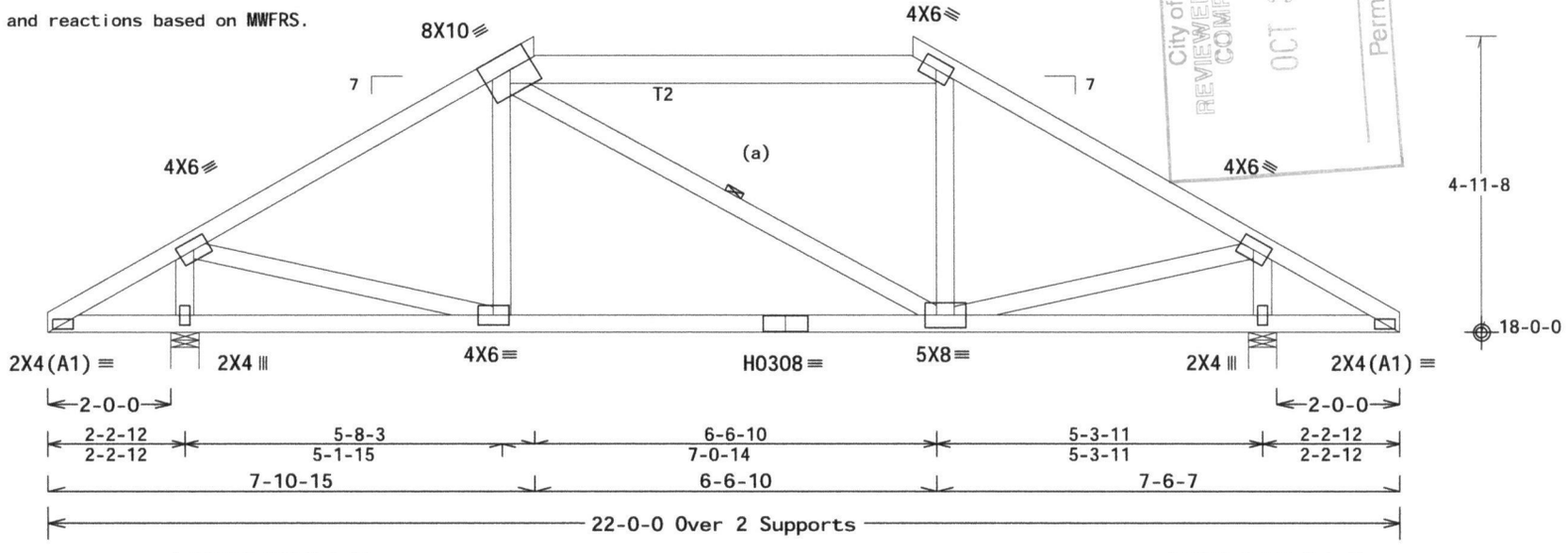
(a) 1x4 #3 HEM-FIR or better continuous lateral bracing to be equally spaced. Attach with (2) 8d Box or Gun nails (0.113"x2.5",min.). Bracing material to be supplied and attached at both ends to a suitable support by erection contractor.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Calculated vertical deflection is 0.08" due to live load and 0.25" due to total load at X = 10-11-2.

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

City of Portland REVIEWED FOR CODE COMPLIANCE OCT 30 2012 Permit Number



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=8%(0%)/4(1) 10.03.04 0000.17 QTY:1 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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. 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 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 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.

REGISTERED PROFESSIONAL ENGINEER EXP. 14659 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL EXP. 12-31-13

10/26/2012

TC LL	25.0 PSF	REF	R561-- 89574
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300001
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618329
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - TO2)

Top chord 2x4 DF-L #1&Bet.(g) :T2 1.5"x5.625" DF-L SS(g):
Bot chord 2x4 DF-L #1&Bet.(g)
Webs 2x4 DF-L Standard(g)

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

110 mph wind, 21.23 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

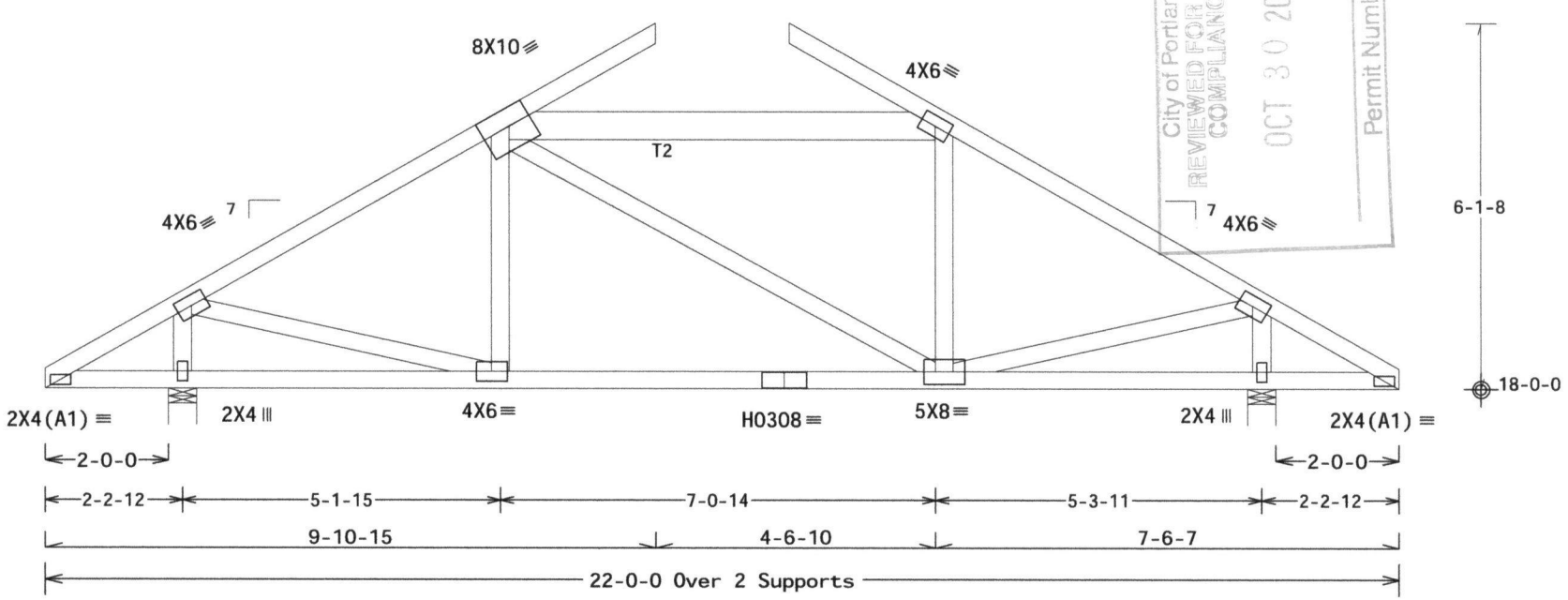
Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Calculated vertical deflection is 0.05" due to live load and 0.15" due to total load at X = 10-11-2.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

City of Portland REVIEWED FOR CODE COMPLIANCE OCT 30 2012 Permit Number



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=8%(0%)/4(1) 10.03.04 0503 12 QTY:1 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER 14659 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89575
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300002
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618334
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - TO3)

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

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

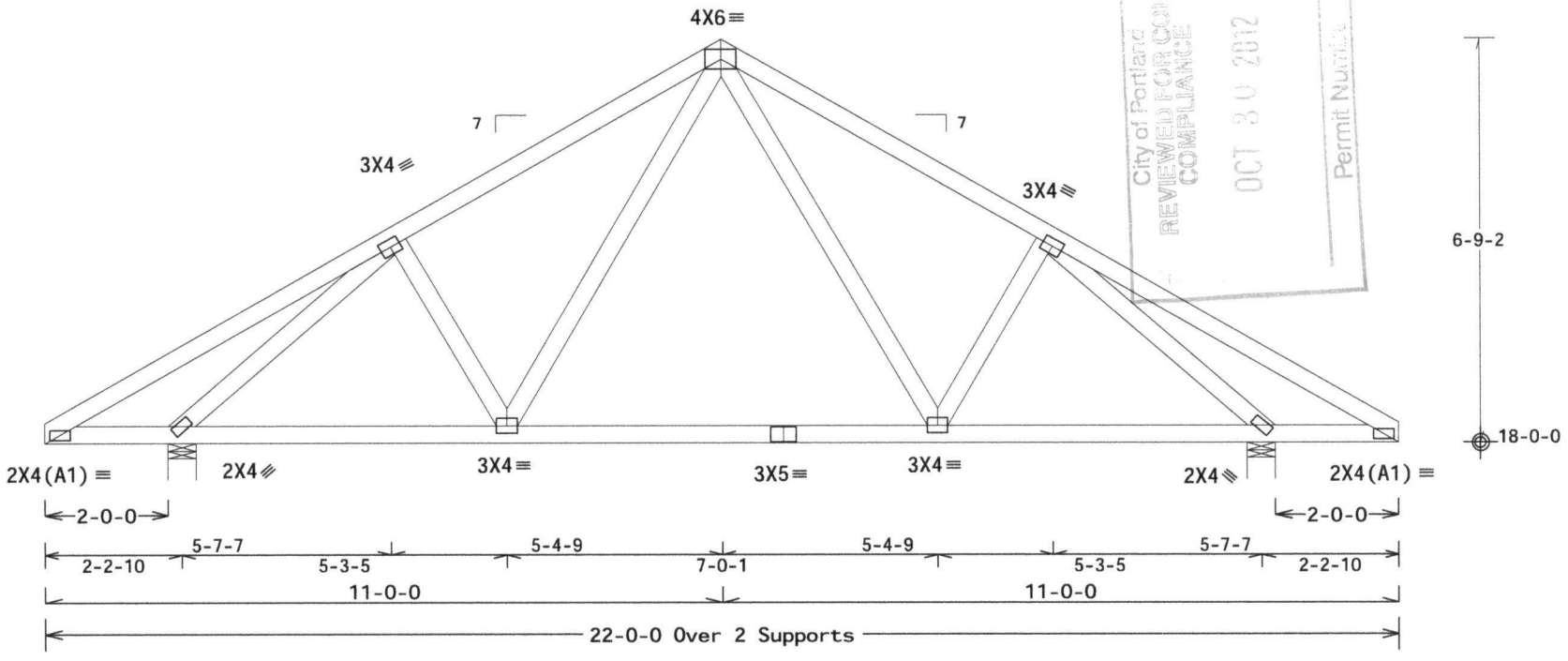
110 mph wind, 21.55 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Calculated vertical deflection is 0.04" due to live load and 0.12" due to total load at X = 11-1-7.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=19.25 psf.



R=948 U=150 W=5.5"
RL=146/-146

R=948 U=150 W=5.5"

Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0601 17 QTY:7 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER
14659
OREGON
DEC. 7, 1989
CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89576
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300003
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618255
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - T04)

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

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

(a) 1x4 #3 HEM-FIR or better continuous lateral bracing to be equally spaced. Attach with (2) 8d Box or Gun nails (0.113"x2.5",min.). Bracing material to be supplied and attached at both ends to a suitable support by erection contractor.

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=1.00, CAT II & Pf=19.25 psf.

110 mph wind, 21.55 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

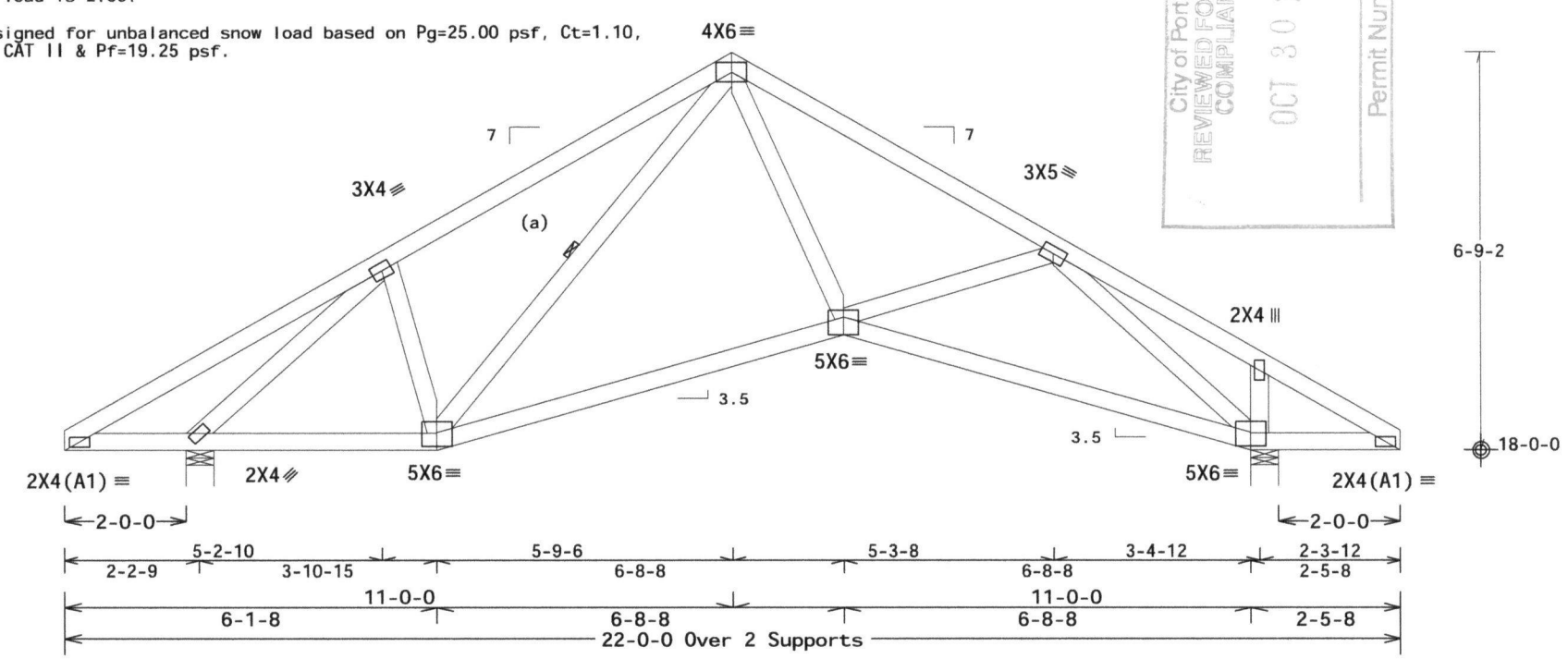
Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Calculated vertical deflection is 0.04" due to live load and 0.12" due to total load at X = 9-2-14.

City of Portland REVIEWED FOR CODE COMPLIANCE OCT 30 2012 Permit Number



R=939 U=146 W=5.5"
RL=146/-146

R=968 U=148 W=5.5"

Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0601.17 QTY:5 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER 14659 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89577
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300004
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618272
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - T05)

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

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

110 mph wind, 21.55 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

Left and right cantilevers are exposed to wind

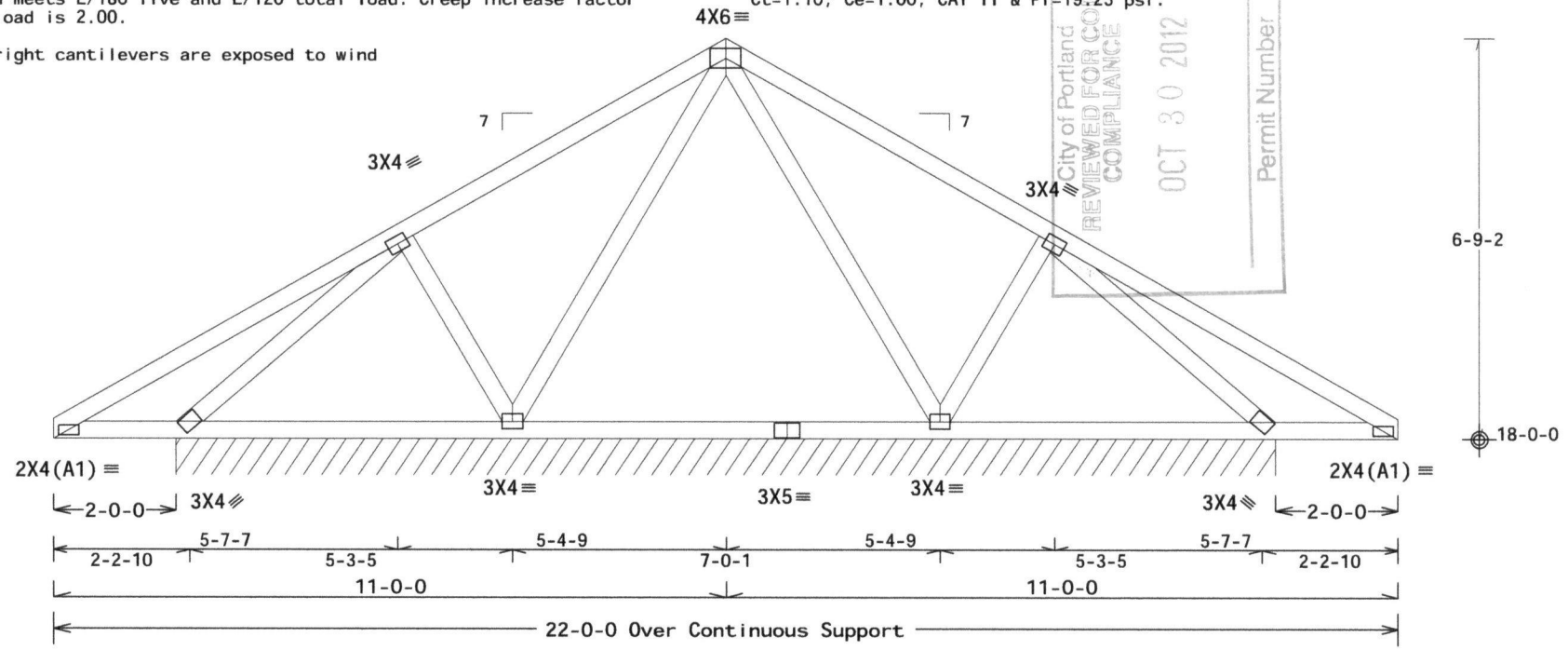
Truss transfers a maximum horizontal load of 2300 # (104.58 plf) along top chord, from either, direction to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	2300	104.58	TC	0.00	22.00
	2300	127.78	BC	2.00	20.00

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Calculated vertical deflection is 0.01" due to live load and 0.04" due to total load at X = 17-1-11.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=19.25 psf.



R=105 PLF U=17 PLF W=18-0-0
RL=see above

Design Crit: IRC2009/TPI-2007(STD)
PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04 0501 17 QTY:1 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA
ALPINE
ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER
14658
OREGON
DEC. 7, 1989
CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89578
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300005
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618282
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - T06)

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

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

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

(**)2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

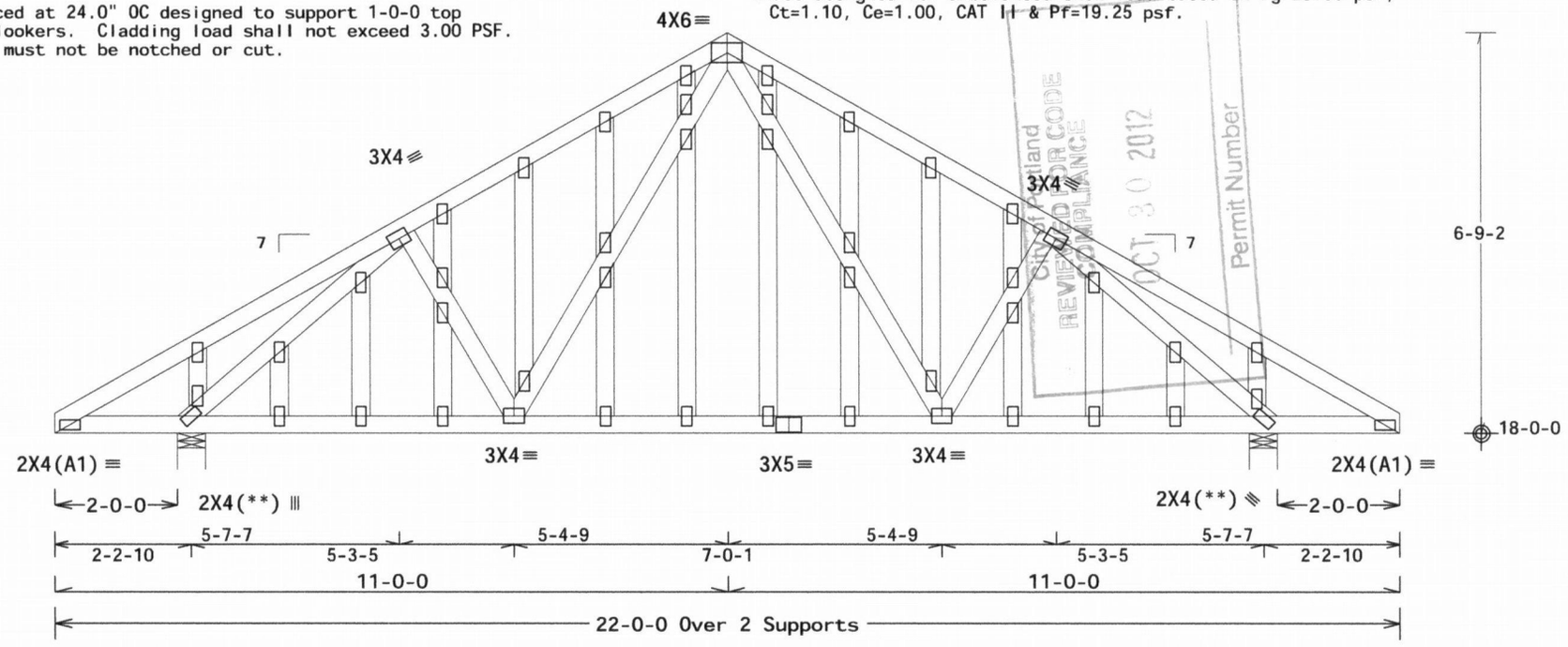
110 mph wind, 21.55 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

See DWGS A11030050109 & GBLLETIN0109 for more requirements.

Calculated vertical deflection is 0.02" due to live load and 0.06" due to total load at X = 9-0-0.

Truss designed for unbalanced snow load based on Pg=25.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=19.25 psf.



R=1047 U=150 W=5.5"
RL=146/-146

R=1047 U=150 W=5.5"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0601.11 QTY:1 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

REGISTERED PROFESSIONAL ENGINEER 14659 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL EXP. 12-31-13

10/26/2012

TC LL	25.0 PSF	REF	R561-- 89579
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300006
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618286
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - T07)

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

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

Trusses to be spaced at 0.0" OC maximum.

Sub-fascia beam assumptions: 4-0-0 sub-fascia beam on the 2-0-0 cantilever side. 4-0-0 sub-fascia beam on the 2-0-0 cantilever side.

Hipjack supports 8-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

Shim all supports to solid bearing.

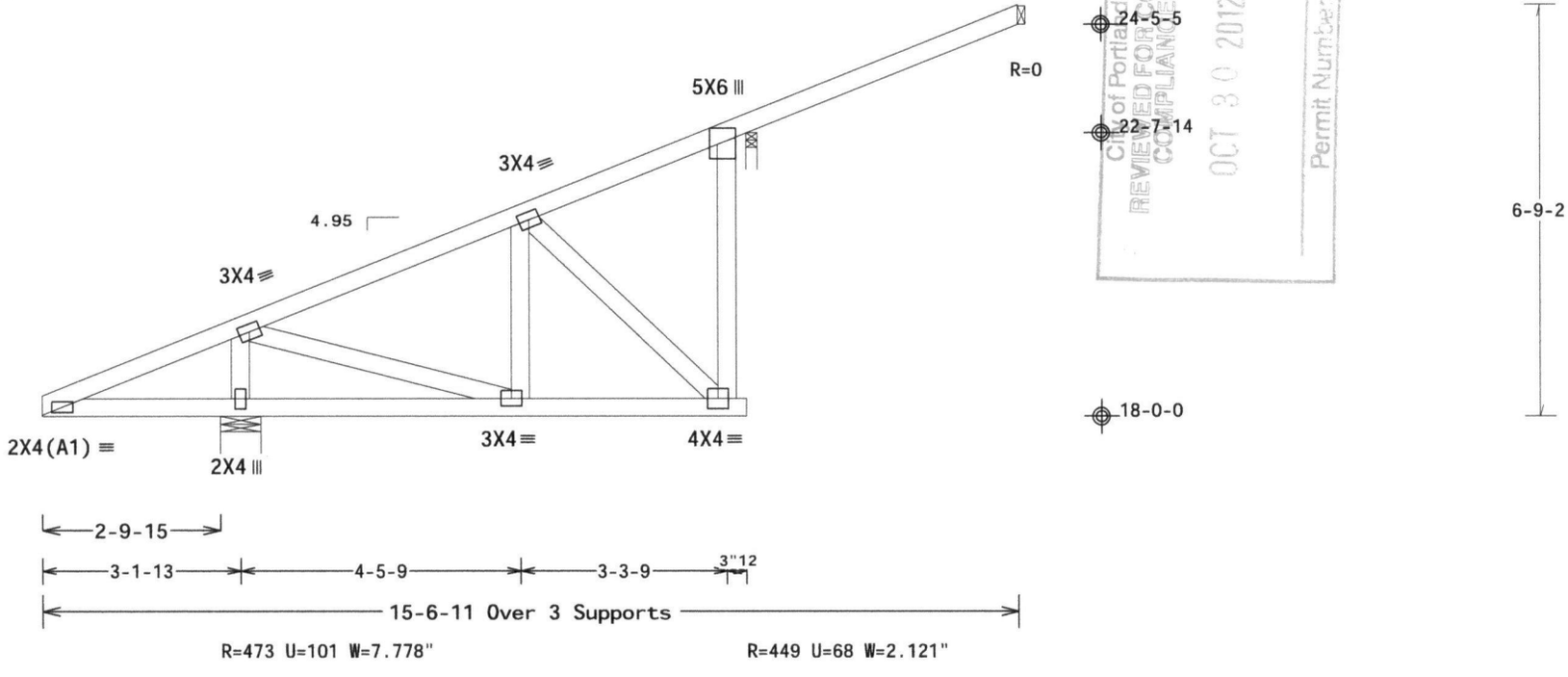
110 mph wind, 21.55 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 4-0-0 span/setback member on the 2-0-0 cant side requires 61 lbs and the 4-0-0 span/setback member on the 2-0-0 cant side requires 61 lbs.

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



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0501.17 OT/:2 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER
14659
OREGON
DEC. 7, 1989
CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89580
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300012
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618318
DUR.FAC.	1.15	FROM	KTC
LOADING	SEE ABOVE	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - J02)

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

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

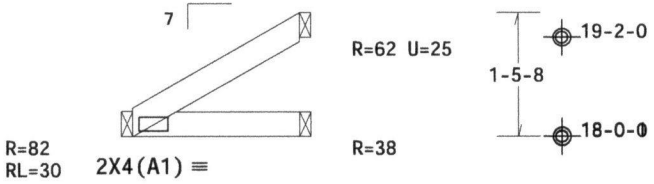
Unbalanced snow loads have not been considered.

110 mph wind, 18.90 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

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

City of Portland
REVIEWED FOR CODE COMPLIANCE
OCT 30 2012
Permit Number



1-10-15 Over 3 Supports

Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0601.17 QTY:4 OR/-/1/-/-/R/- Scale =.5"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER
14659
OREGON
DEC. 7, 1989
CHRISTIAN W. CHAPPELL
EXP 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89581
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300011
BC LL	0.0 PSF	CA-ENG	PBC/CWC *
TOT.LD.	42.0 PSF	SEQN-	618291
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, 0 - J04)

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

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

Special loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC- From 66 plf at 0.00 to 66 plf at 3.91
BC- From 20 plf at 0.00 to 20 plf at 3.91
TC- 101.00 lb Conc. Load at 0.00

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Unbalanced snow loads have not been considered.

110 mph wind, 19.48 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

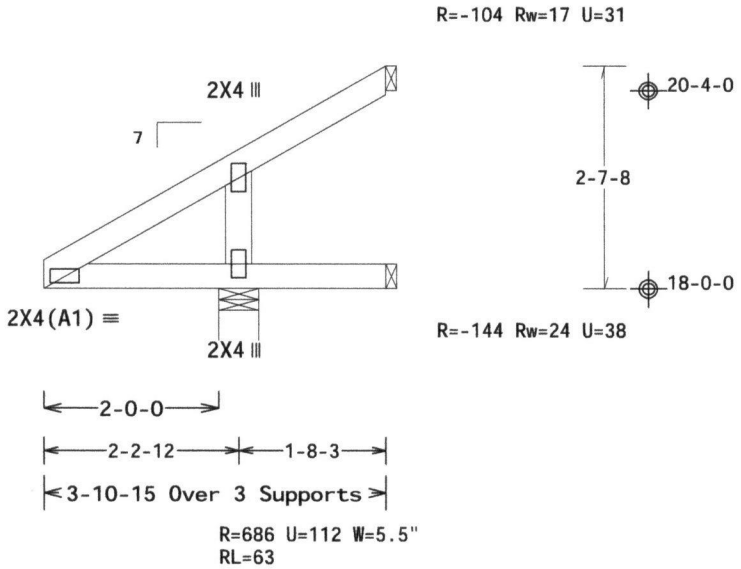
Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Calculated vertical deflection is 0.08" due to live load and 0.20" due to total load at X = 0-0-0.

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

City of Portland
REVIEWED FOR CODE COMPLIANCE
OCT 30 2012
Permit Number



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04 050[illegible] QTY:4 OR/-/1/-/-/R/- Scale =.5"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

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REGISTERED PROFESSIONAL ENGINEER
14859
OREGON
DEC. 7, 1989
CHRISTIAN W. CHAPPELL
EXP. 12-31-13
10/26/2012

TC LL	25.0 PSF	REF	R561-- 89582
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300010
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618301
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - J06)

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

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

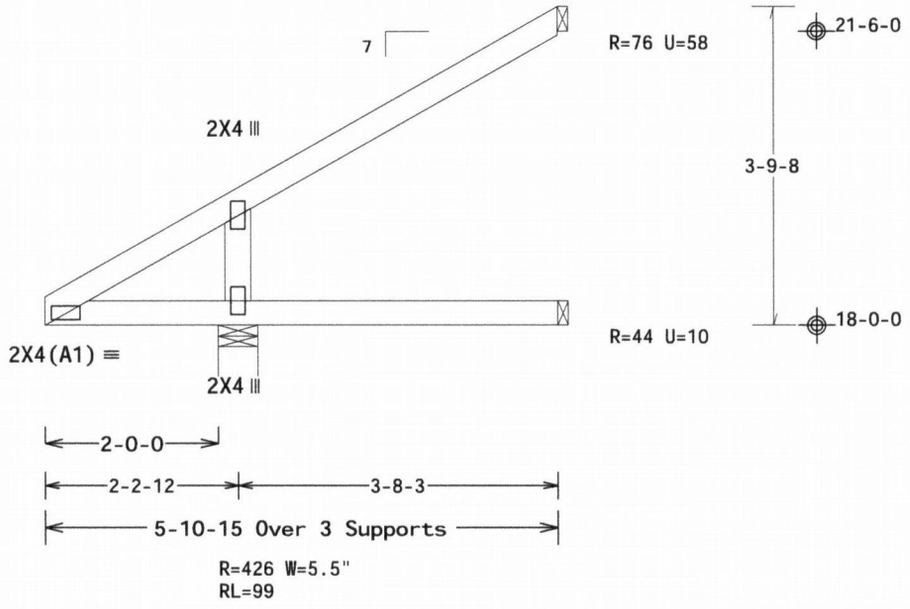
110 mph wind, 20.07 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Calculated vertical deflection is 0.04" due to live load and 0.09" due to total load at X = 0-0-0.

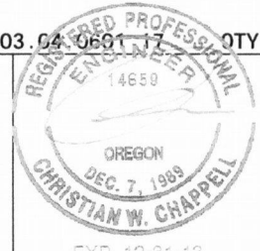
Unbalanced snow loads have not been considered.



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0601.17 QTY:4 OR/-/1/-/-/R/- Scale =.5"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA
ALPINE
ITW Building Components Group, Inc.
Sacramento, CA 95828



10/26/2012

TC LL	25.0 PSF	REF	R561-- 89583
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300009
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618295
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, O - J08)

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

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

110 mph wind, 20.65 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

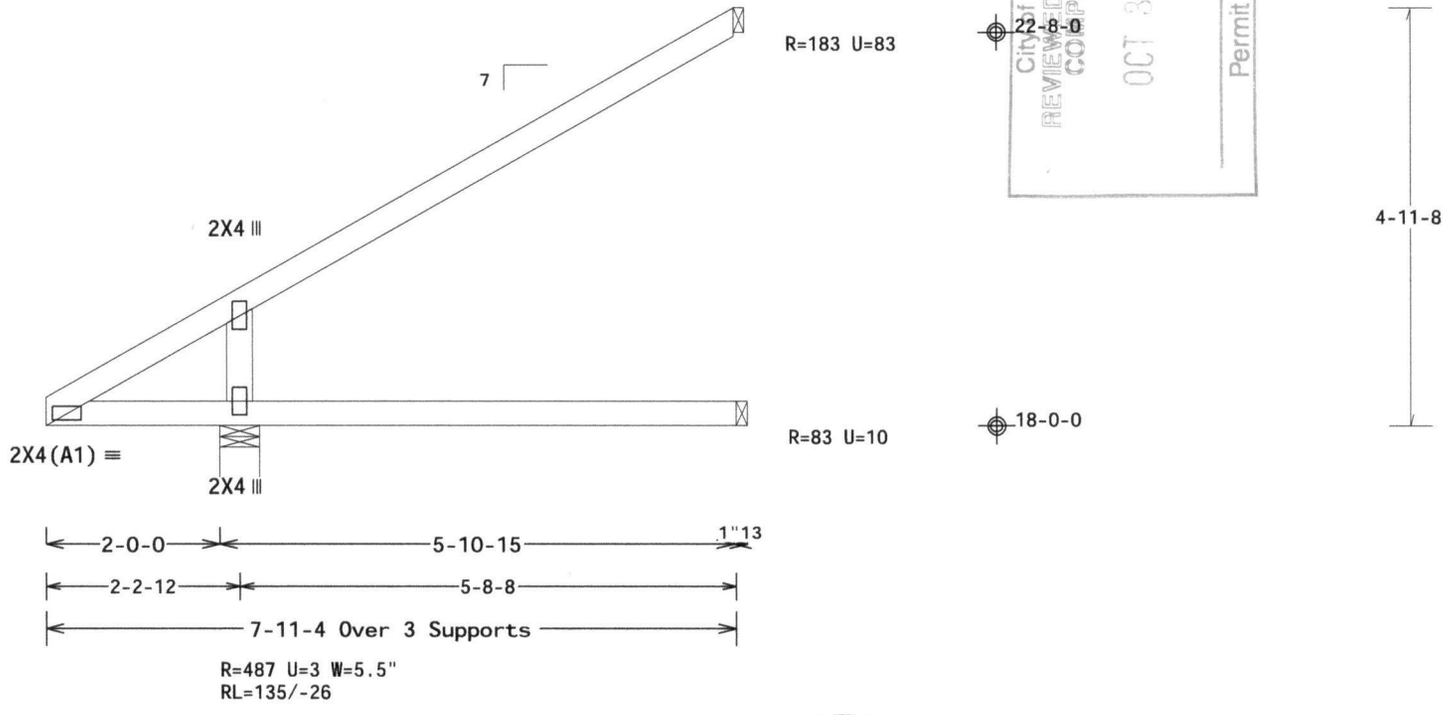
Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Calculated vertical deflection is 0.12" due to live load and 0.30" due to total load at X = 0-0-0.

Unbalanced snow loads have not been considered.

City of Portland REVIEWED FOR CODE COMPLIANCE OCT 30 2012 Permit Number



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04.0001.17 QTY:2 OR/-/1/-/-/R/- Scale =.5"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

REGISTERED PROFESSIONAL ENGINEER 14658 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL

EXP. 12-31-13

10/26/2012

TC LL	25.0 PSF	REF	R561-- 89584
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300008
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618297
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18

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

(124062-PARR LUMBER ROCKWOOD WESTWOOD RESIDENCE -- 1337 SE LEXINGTON PORTLAND, 0 - J10)

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

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

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

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

Shim all supports to solid bearing.

110 mph wind, 21.23 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=6.0 psf.

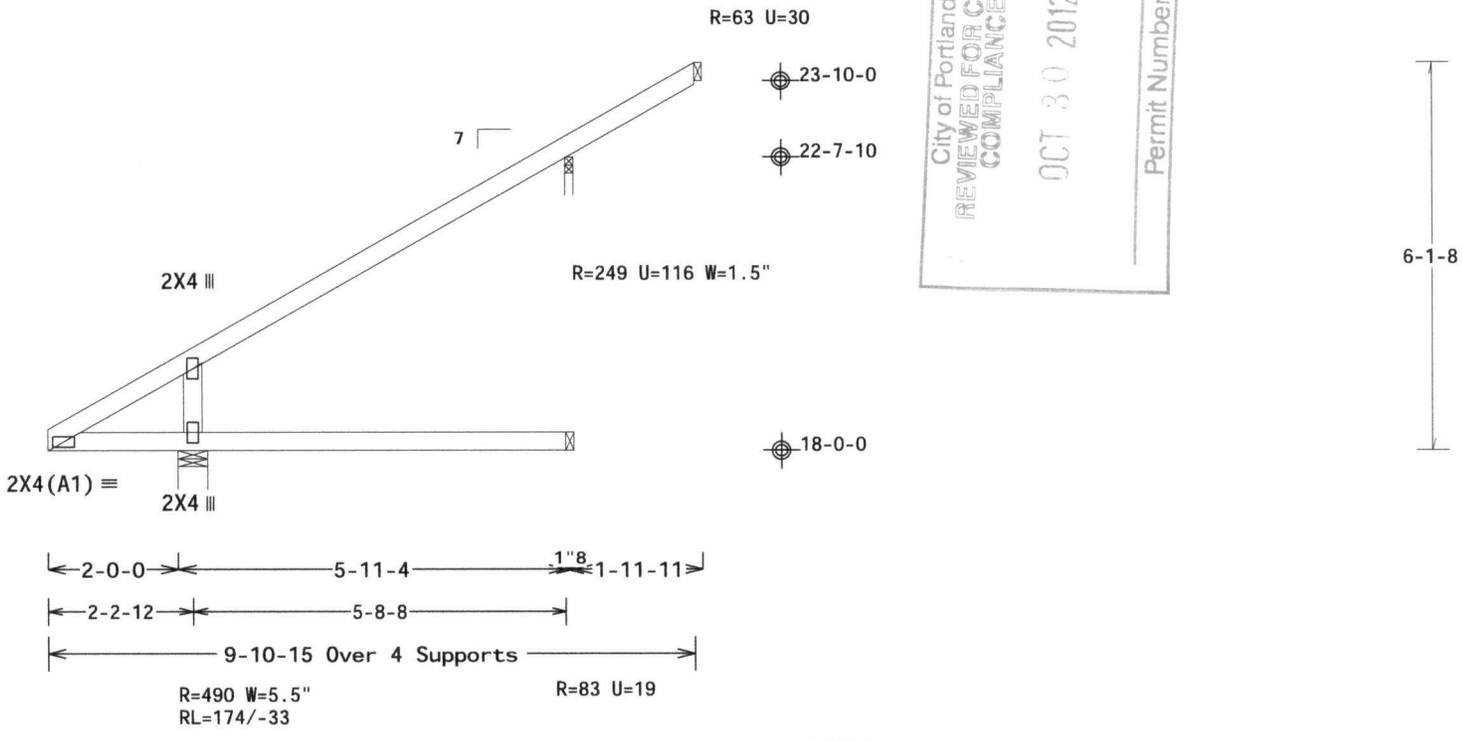
Wind loads based on both MWFRS and C&C, Reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Calculated vertical deflection is 0.13" due to live load and 0.29" due to total load at X = 0-0-0.

Unbalanced snow loads have not been considered.

City of Portland REVIEWED FOR CODE COMPLIANCE OCT 30 2012 Permit Number



Design Crit: IRC2009/TPI-2007(STD)

PLT TYP. Wave FT/RT=8%(0%)/4(1) 10.03.04-0001.7 QTY:2 OR/-/1/-/-/R/- Scale =.375"/Ft.

Trus-Way, Inc 360-750-1470
3901 NE 68th St., Vancouver WA

ALPINE

ITW Building Components Group, Inc.
Sacramento, CA 95828

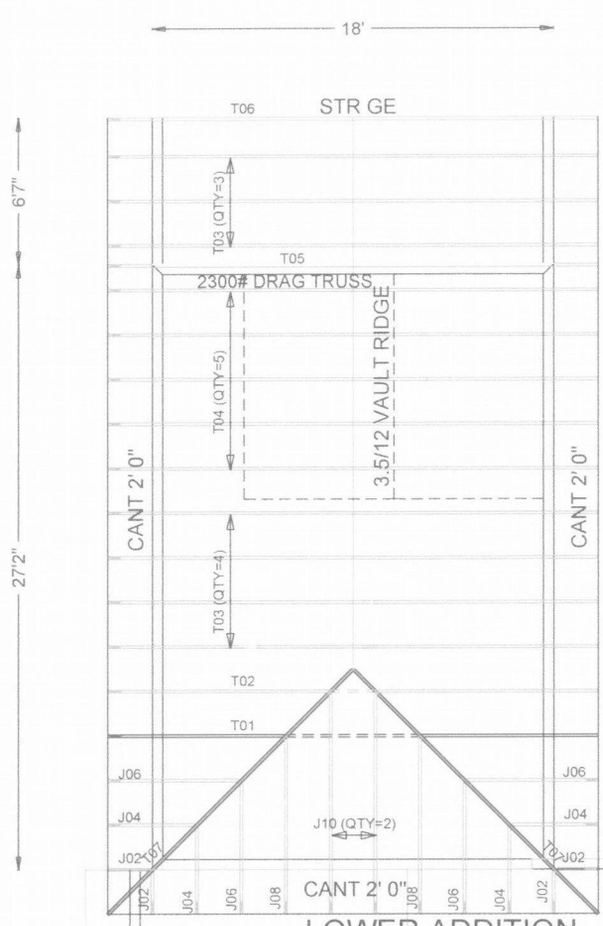
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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. 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 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 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.

REGISTERED PROFESSIONAL ENGINEER EXP 14658 OREGON DEC. 7, 1989 CHRISTIAN W. CHAPPELL EXP 12-31-13

10/26/2012

TC LL	25.0 PSF	REF	R561-- 89585
TC DL	7.0 PSF	DATE	10/26/12
BC DL	10.0 PSF	DRW	CAUSR561 12300007
BC LL	0.0 PSF	CA-ENG	PBC/CWC
TOT.LD.	42.0 PSF	SEQN-	618299
DUR.FAC.	1.15	FROM	KTC
SPACING	24.0"	JREF-	1UQN561_Z18



PARR LUMBER
HOFF CONSTRUCTION
WESTWOOD RESIDENCE
7/12 2' 0" CANT
LOADING 25-7-10

SIMPSON / ITW HANGERS	NAILS
A=HUS26 / HDPT26	N16 2 1/2"
B=HUS28 / HDTP28	N16 2 1/2"
C=LUS24 / STP24	N16 1 1/2"
D=HHUS28-2 / HDTP28-2	N16 2 1/2"
E=HGUS28-2 / HHDTP28-2	N16 2 1/2"
F=HGUS28-3 / HHDPT28-3	N16 2 1/2"
G=THJA-26 / MHJT	N16 2 1/2"
H=MTHM / MMTH	N16 2 1/2"

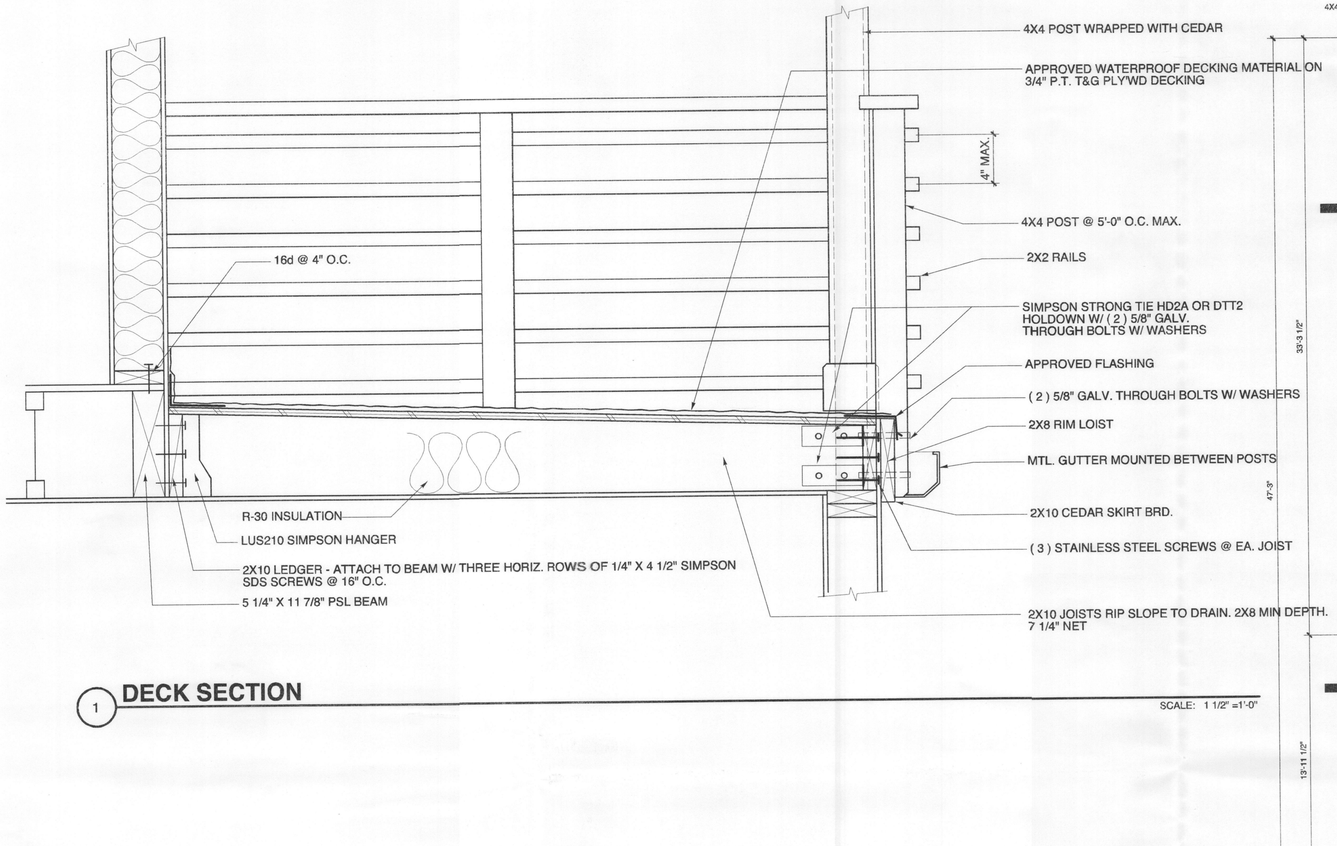
ALL HANGERS LUS24 U.N.O.

City of Portland
REVIEWED FOR CODE COMPLIANCE
OCT 30 2012
Permit Number

(360) 750-1470 Vancouver
(503) 286-2615 Portland
(360) 750-1493 Fax
1-877-TRUSWAY Toll Free
3901 NE 65th Street
Vancouver WA 98331
TRUS-WAY
Service . Quality . Integrity
"The Builder's Choice"

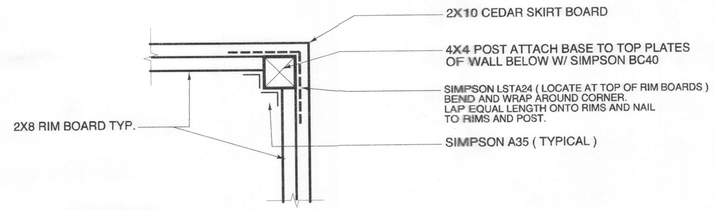
Customer: PARR LUMBER ROCKWOOD
Owner: HOFF CONSTRUCTION
Plan: WESTWOOD RESIDENCE
Salesman: Dean Haworth
Elevation: CANTED

JOB NO:
124062



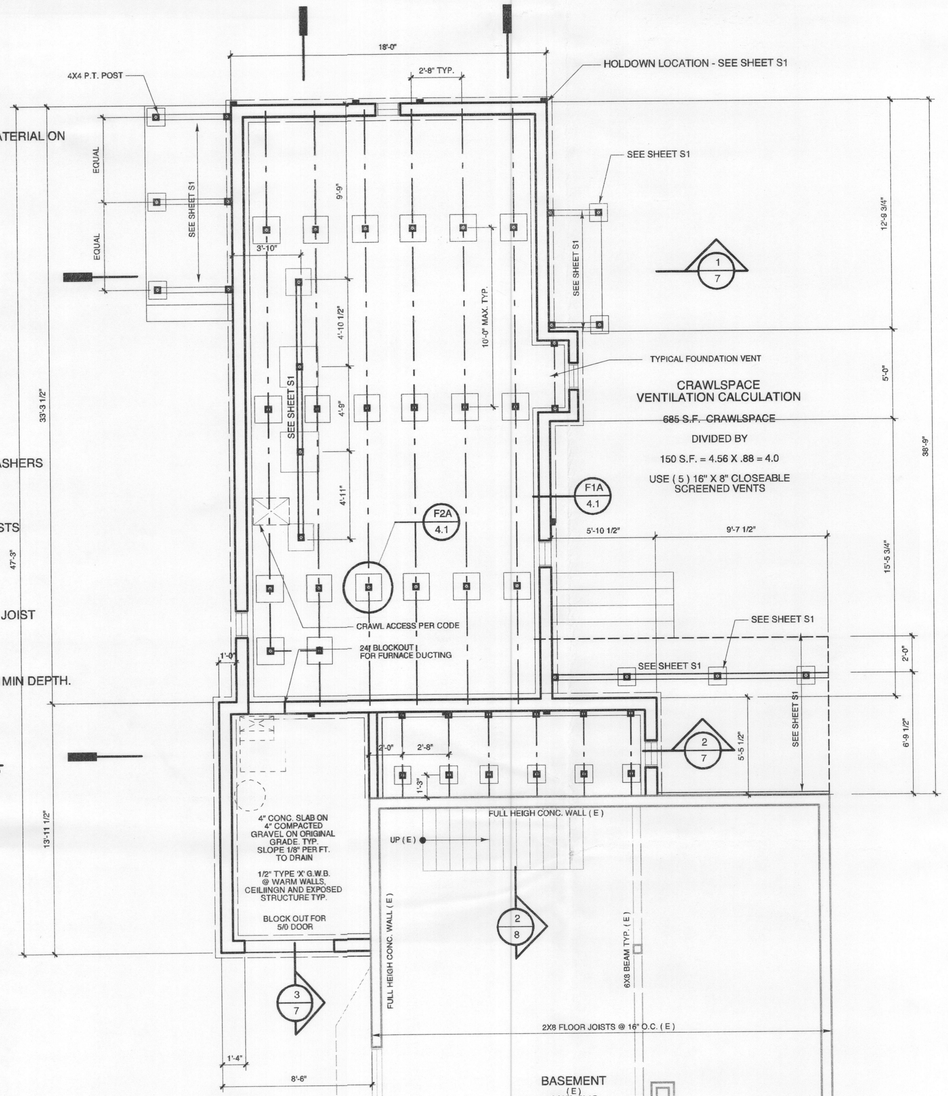
1 DECK SECTION

SCALE: 1 1/2" =1'-0"



2 PLAN DETAIL AT CORNER

SCALE: 1 1/2" =1'-0"



1. FOOTINGS ARE TO BEAR ON UNDISTURBED SOIL DEVOID OF ANY ORGANIC MATERIAL AND STEPPED AS REQUIRED TO MAINTAIN THE REQ. DEPTH BELOW THE FINAL GRADE.
2. FOUNDATION
   6" CONC. STEM WALL ON 12" X 6" CONT. CONC. FTG. @ 1 STORY
   8" CONC. STEM WALL ON 15" X 6" CONT. CONC. FTG. @ 2 STORY
   SEE WALL SECTION ON SHEET S1
3. SOIL BEARING PRESSURE ASSUMED TO BE 1500 PSF.
4. ANY FILL UNDER GRADE SUPPORTED SLABS TO BE A MINIMUM OF 4" GRANULAR MATERIAL COMPACTED TO 95%
5. ALL WOOD IN CONTACT W/ CONC. TO BE PRESSURE TREATED OR PROTECTED WITH 55# ROLL ROOFING.
6. P.T. 2X6 SILL PLATES TYP.
7. FLOOR STRUCTURE:
   POST & BEAM SEE DETAILS SHEET 4.1
8. 6 MIL VISQUEEN VAPOR BARRIER @ CRAWLSPACE LAP 12" @ SEAMS AND RETURN 12" UP FOUNDATION WALL. SLOPE CRAWLSPACE TO DRAIN & PROVIDE CRAWLSPACE DRAIN.
9. PROVIDE SCREENED CLOSEABLE 16" X 8" FOUNDATION VENTS - SEE VENT CLACS. THIS SHEET
10. SPACE FOUNDATION VENTS TO ALLOW FOR REQ. ANCHOR BOLT SPACING.
11. PROVIDE R-30 UNDERFLOOR INSULATION USE SPRING WIRES TO HOLD INSULATION TIGHT TO UNDERSIDE OF FLOOR SHEATHING SPACE WIRES PER INSTALLERS SPECS.
12. SEE GENERAL NOTES

3 FOUNDATION NOTES

SEE SHEET S1

City of Portland
Bureau of Development Services
By: Date 10/30/2012
Approved by Planning and Zoning Review

4 EXISTING BASEMENT PLAN W/ ADU & MAIN HOUSE ADDITION FOUNDATION PLAN

SCALE: 1/4" =1'-0"

EXISTING SQUARE FEET: 868 S.F. EXCLUDING EXTERIOR WALLS
SEE SHEET S1

City of Portland
REVIEWED FOR CODE COMPLIANCE
OCT 30 2012
Permit Number

THE DESIGN DEPARTMENT
PO Box 80065
Portland, Oregon 97280
O. (503) 332-3796

1

Addition Drawings For:
The Parra Residence
1337 SE Lexington
Portland, Oregon 97202

1337 SE Lexington 19-16375 PA01-12

Foundation Plan

REVISIONS

	07.30.12
	08.10.12
	08.15.12
	10.09.12
	10.15.12
	10.16.12
	10.26.12

DATE 07.24.12

DATE LAST PRINTED

PROJECT NO: 16-12

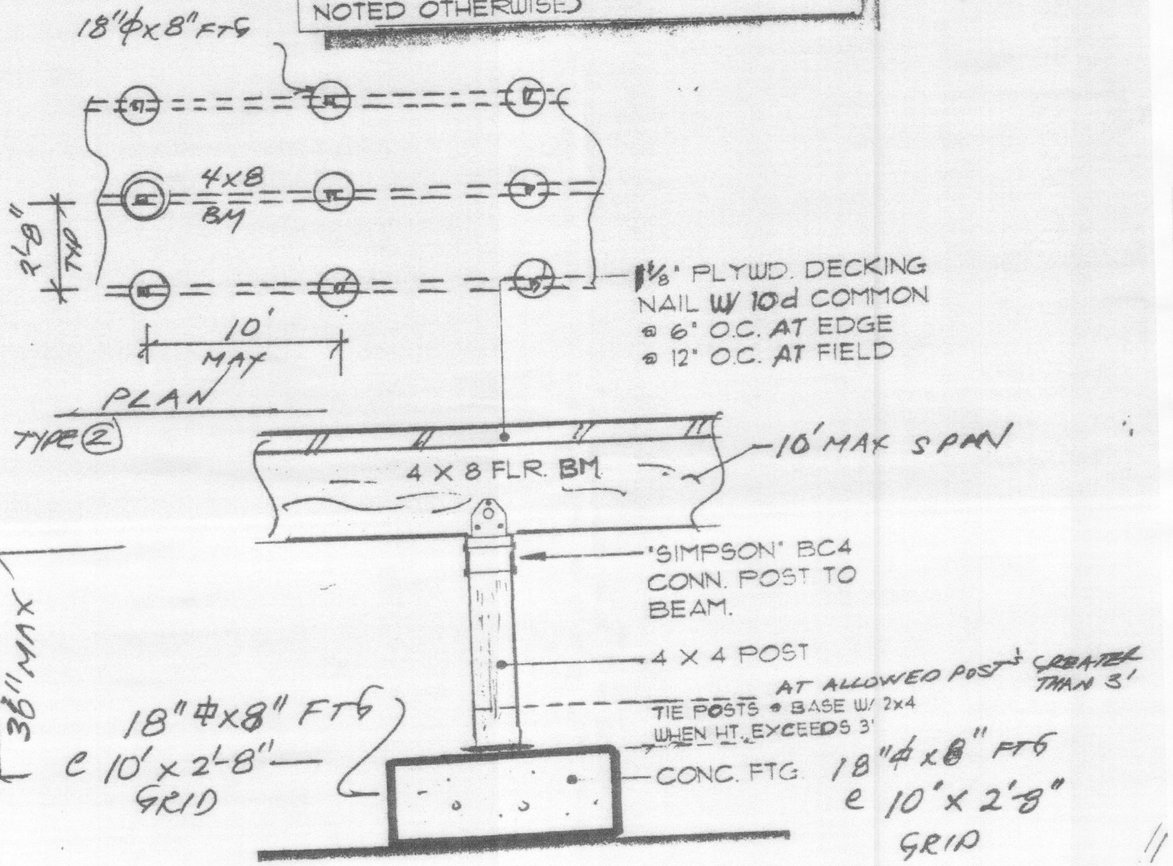
SHEET 4

REVISED SHEET 10.26.12

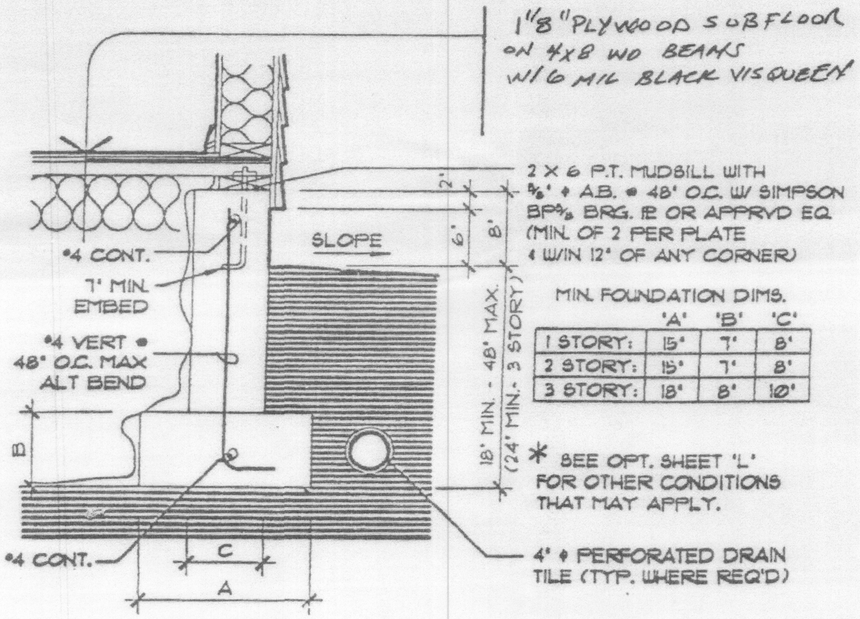
TYPE 2 POST & BEAM

TYPE 2 POST & BEAM

FLOOR SYSTEM:
1 1/8" PLYWOOD SUBFLOOR ON 4 X 8 WD GIRDERS ON 4 X 4 WD POST (4 X 6 @ JOINTS) ON ASPHALT SHINGLE ON 18" ϕ X 8" CONC PAD FTG (UNLESS NOTED OTHERWISE)



F2A POST & BM. CONN.
3/4" = 1'-0" TYPE 2 POST & BEAM



F1A TYP. WALL SECTION
SCALE : 3/4" = 1'-0"
REV. 01/02 2P6SWS00
(TYP 2 POST & BEAM)

THE DESIGN DEPARTMENT
PO Box 80065
Portland, Oregon 97280
O. (503) 332-3796

Addition Drawings For:
The Parra Residence
1337 SE Lexington
Portland, Oregon 97202

Foundtion Details

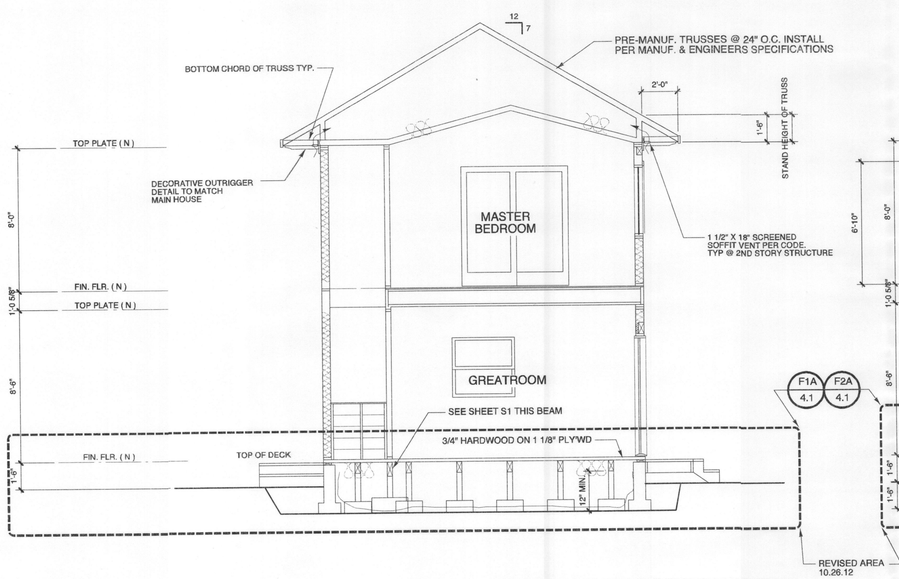
REVISIONS

DATE 10.26.12
DATE LAST PRINTED
PROJECT NO: 16-12

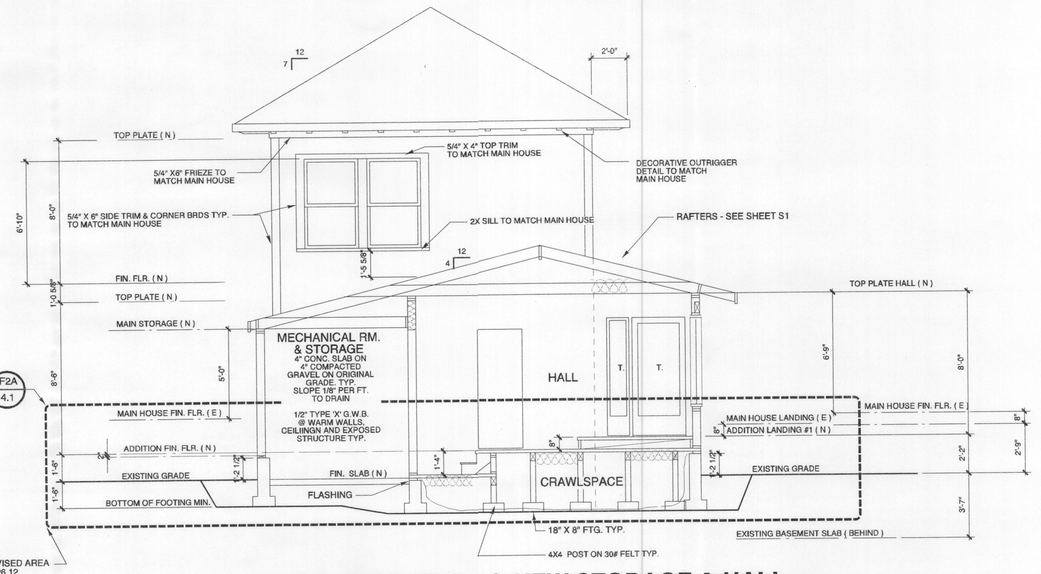
SHEET 4.1

NEW SHEET 10.26.12

NOTE:
Written dimensions on this drawing shall take precedence over scaled dimensions.
Contractor shall verify all dimensions, conditions, etc. pertaining to the work before proceeding.
The Owner must be notified on any variations from the dimensions and/or conditions shown on these drawings. Any such variation shall be resolved by the Owner prior to proceeding with the work or the Contractor shall accept full responsibility for cost to rectify same.



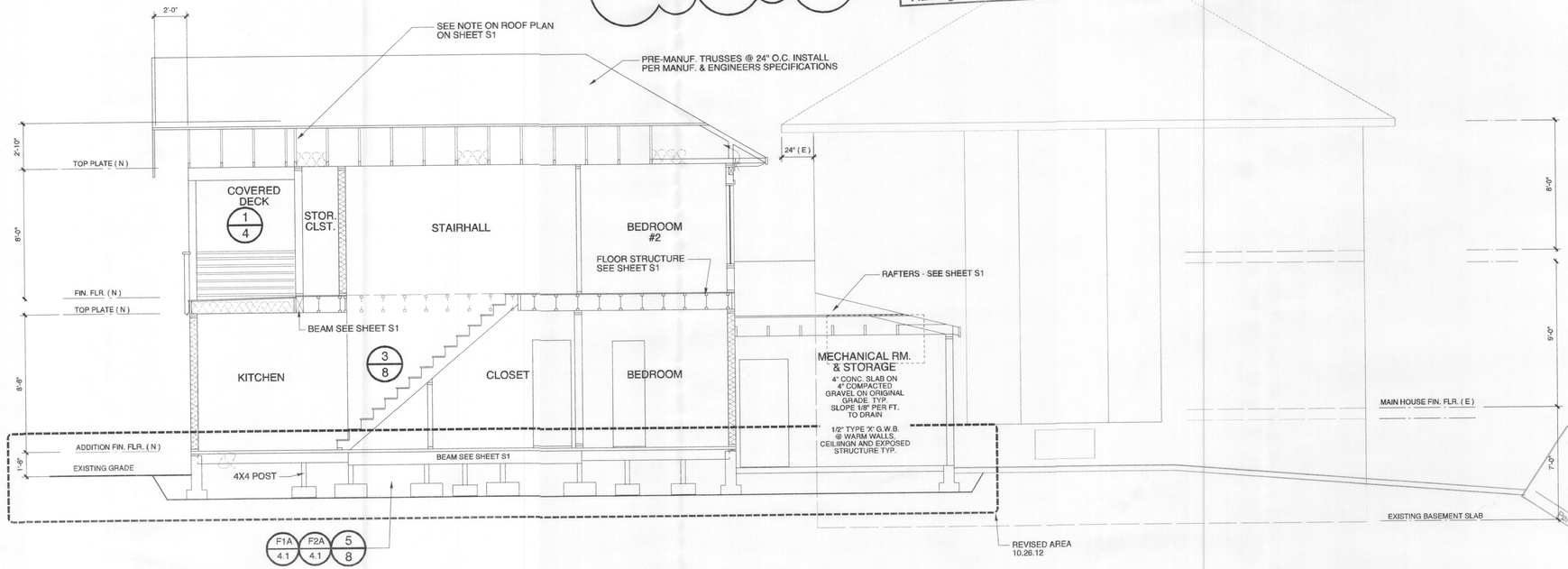
1 **FRAMING SECTION @ MASTER BDRM**
SCALE: 1/4" =1'-0"



2 **FRAMING SECTION @ NEW STORAGE & HALL**
SCALE: 1/4" =1'-0"

SEE SHEET S1 FOR STRUCTURAL INFORMATION

City of Portland
Bureau of
Development Services
By: [illegible] Date 12/6/2012
Approved by
Planning and Zoning Review



3 **FRAMING SECTION @ KITCHEN, STAIR & BEDROOMS**
SCALE: 1/4" =1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
OCT 30 2012
Permit Number

THE DESIGN DEPARTMENT
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Addition Drawings For:
The Parra Residence
1337 SE Lexington
Portland, Oregon 97202

Framing Sections

REVISIONS

	08.10.12
	10.09.12
	10.15.12
	10.16.12
	10.26.12

DATE
07.24.12

DATE LAST PRINTED

PROJECT NO:
16-12

SHEET
7

REVISED SHEET 10.26.12

NOTE:
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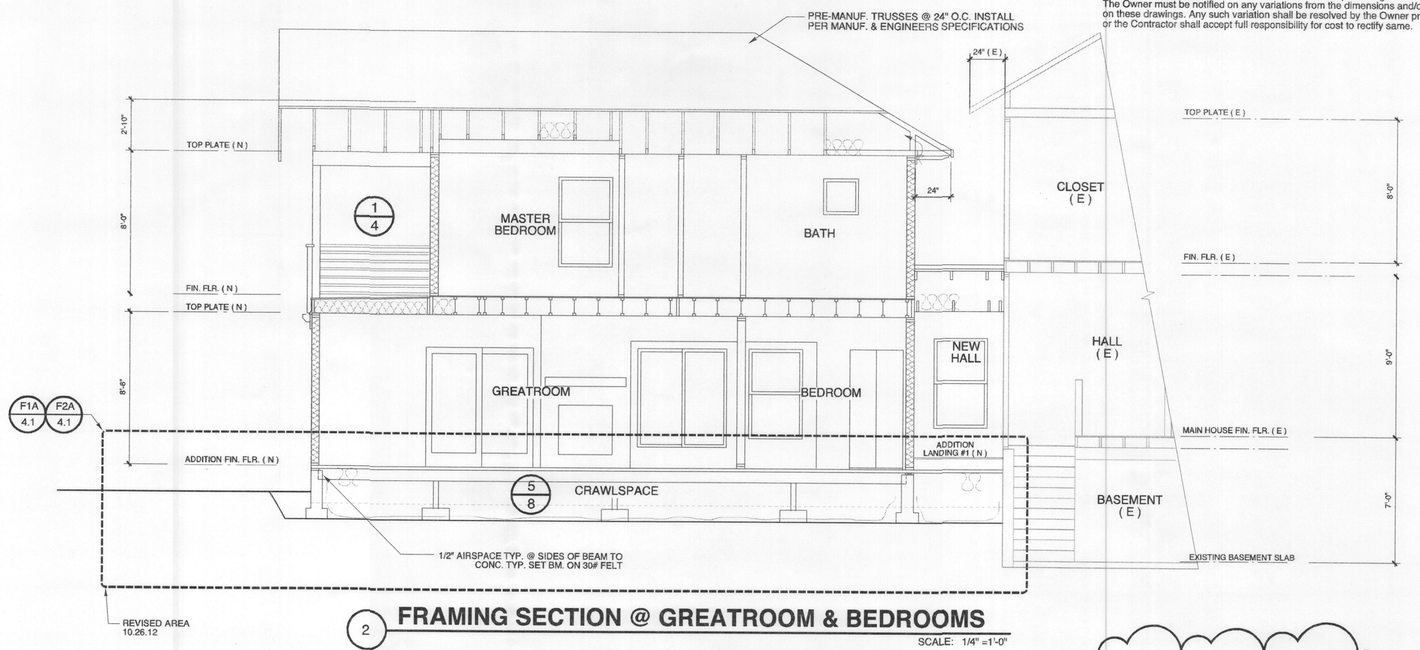
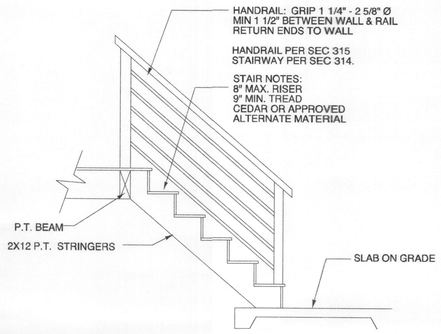
THE DESIGN DEPARTMENT
PO Box 80065
Portland, Oregon 97280
O. (503) 332-3796



2 FRAMING SECTION @ GREATROOM & BEDROOMS

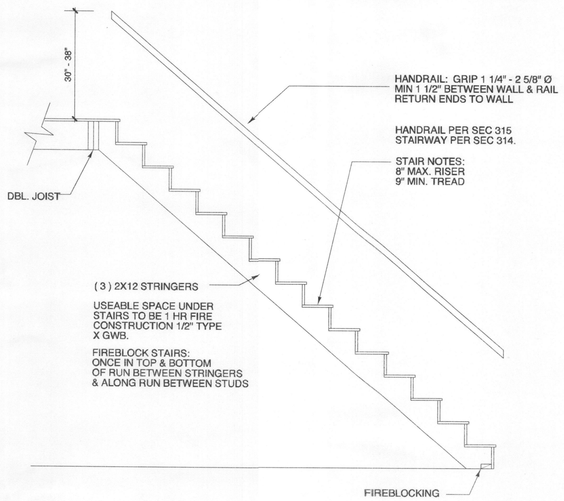
SCALE: 1/4" =1'-0"

SEE SHEET S1 FOR STRUCTURAL INFORMATION



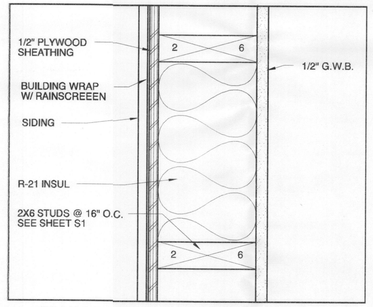
1 GENERAL DECK STAIR SECTION

SCALE: 1/2" = 1'-0"



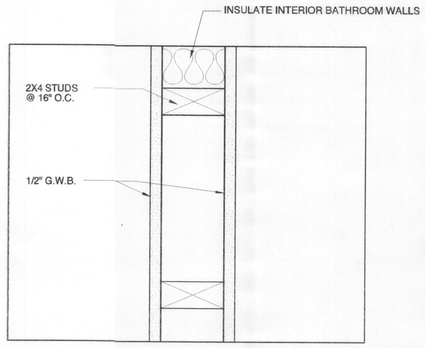
3 TYPICAL STAIR SECTION

SCALE: 1/2" = 1'-0"



TYPICAL EXTERIOR WALL

SCALE: 3" = 1'-0"



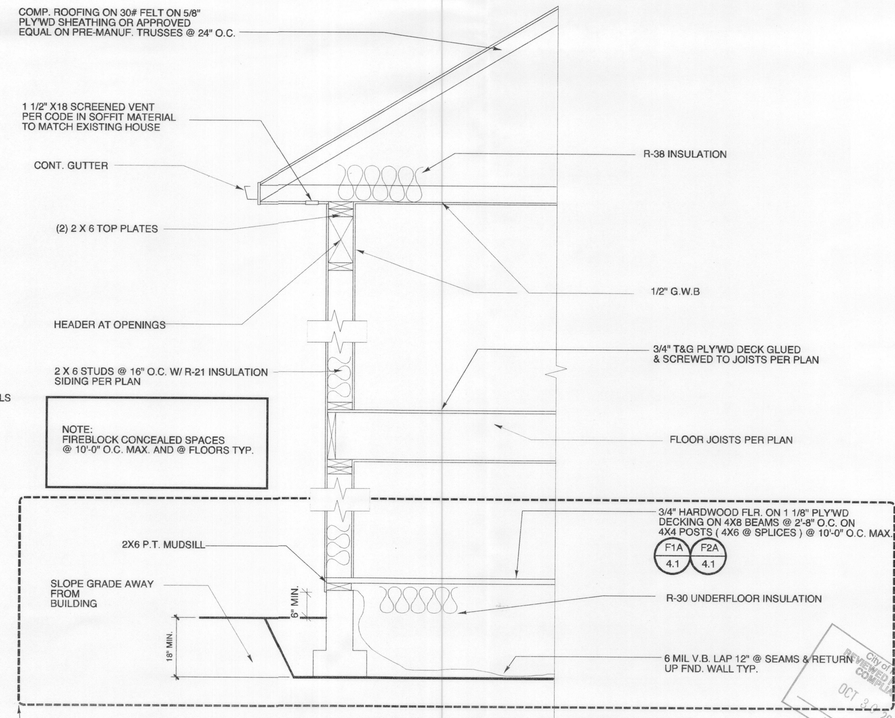
TYPICAL INTERIOR WALL

(UNLESS NOTED OTHERWISE)

SCALE: 3" = 1'-0"

4 WALL DETAILS

SCALE: 1/4" = 1'-0"



5 TYPICAL WALL SECTION

NO SCALE

Additition Drawings For:
The Parra Residence
1337 SE Lexington
Portland, Oregon 97202

Framing Section
Typical Stair Section
Typical Wall Section
Wall details
General Deck Stair Section

REVISIONS

	08.10.12
	10.09.12
	10.15.12
	10.26.12

DATE
07.24.12
DATE LAST PRINTED

PROJECT NO:
16-12

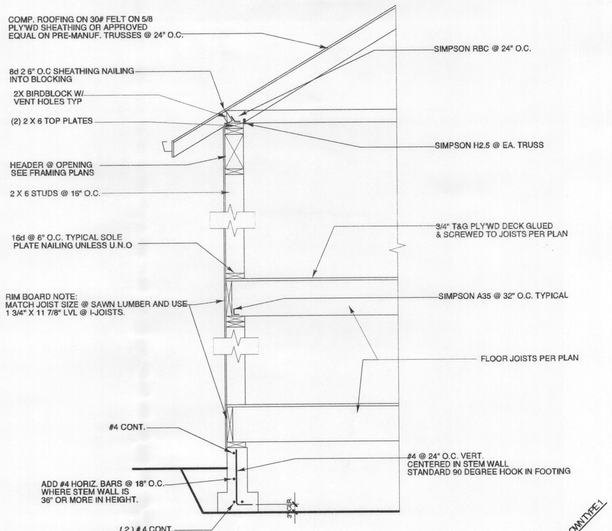
SHEET
8

CITY OF PORTLAND VERIFIED FOR CODE COMPLIANCE OCT 26 2012 Permit Number

REVISED SHEET 10.26.12

TYPICAL EXTERIOR WALL CONSTRUCTION SHALL BE 15/32" APA RATED WOOD STRUCTURAL PANEL SHEATHING APPLIED TO ONE FACE WITH 10D @ 6" O.C. EDGES AND 10D @ 12" O.C. FIELD TYPICAL UNLESS NOTED.

TYPICAL MUDSILL ANCHOR BOLTS SHALL BE 5/8" DIAMETER WITH 7" MIN. EMBEDMENT INTO CONCRETE SPACED @ 48" O.C. EXCEPT SPACING SHALL BE 32" O.C. WHERE 10d @ 3" EDGE NAILING IS INDICATED.



4 **FRAMING SECTION**

NO SCALE

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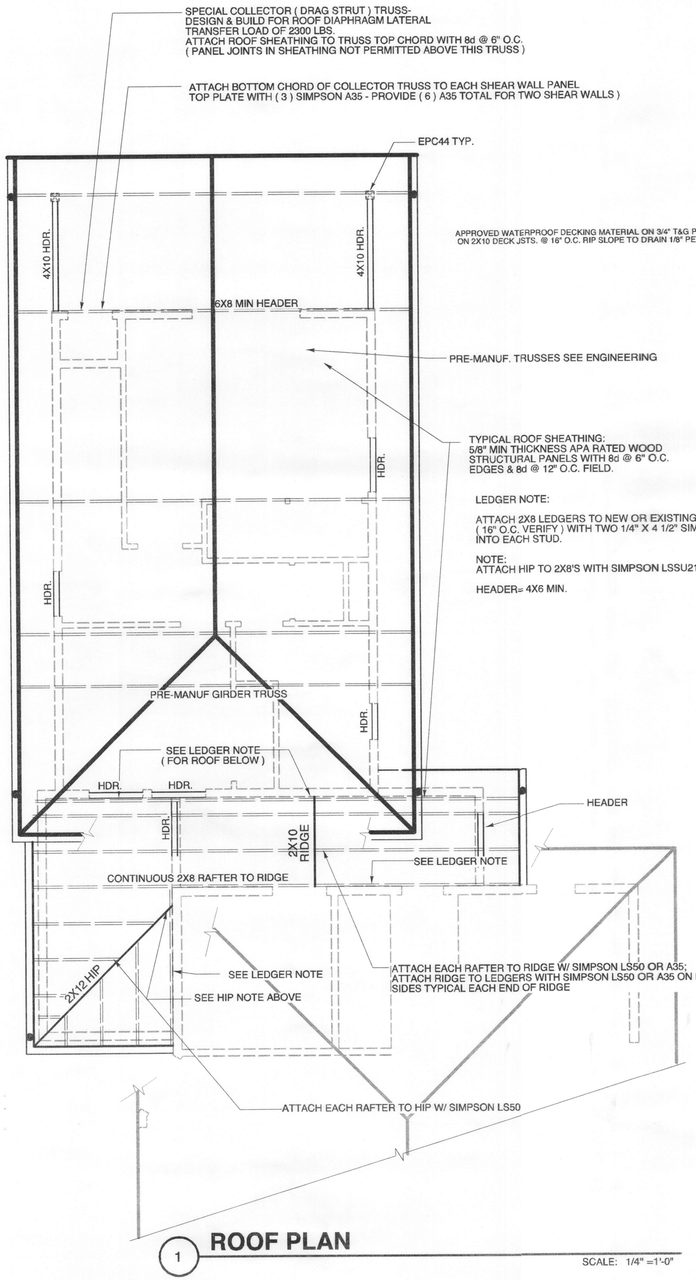


TYPICAL ROOF SHEATHING:
5/8" MIN THICKNESS APA RATED WOOD STRUCTURAL PANELS WITH 8d @ 6" O.C. EDGES & 8d @ 12" O.C. FIELD.

LEDGER NOTE:

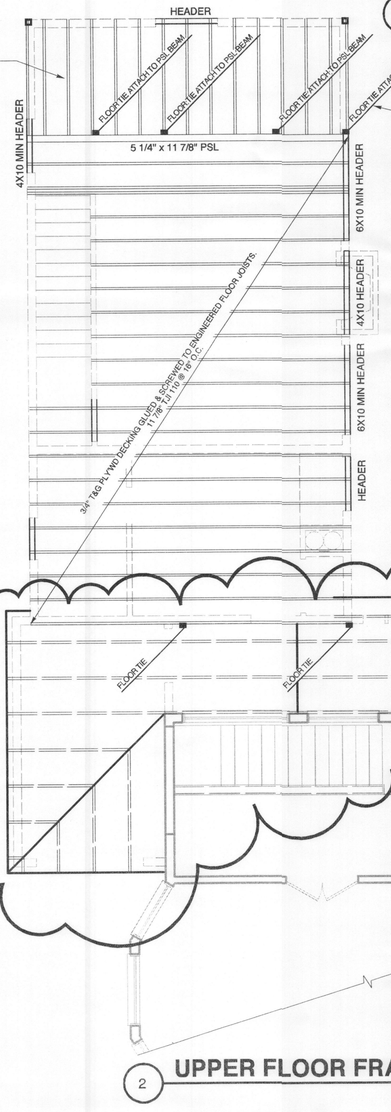
ATTACH 2X8 LEDGERS TO NEW OR EXISTING WALL STUDS (16" O.C. VERIFY) WITH TWO 1/4" X 4 1/2" SIMPSON SDS SCREWS INTO EACH STUD.

NOTE:
ATTACH HIP TO 2X8'S WITH SIMPSON LSSU210 HANGER

HEADER= 4X6 MIN.

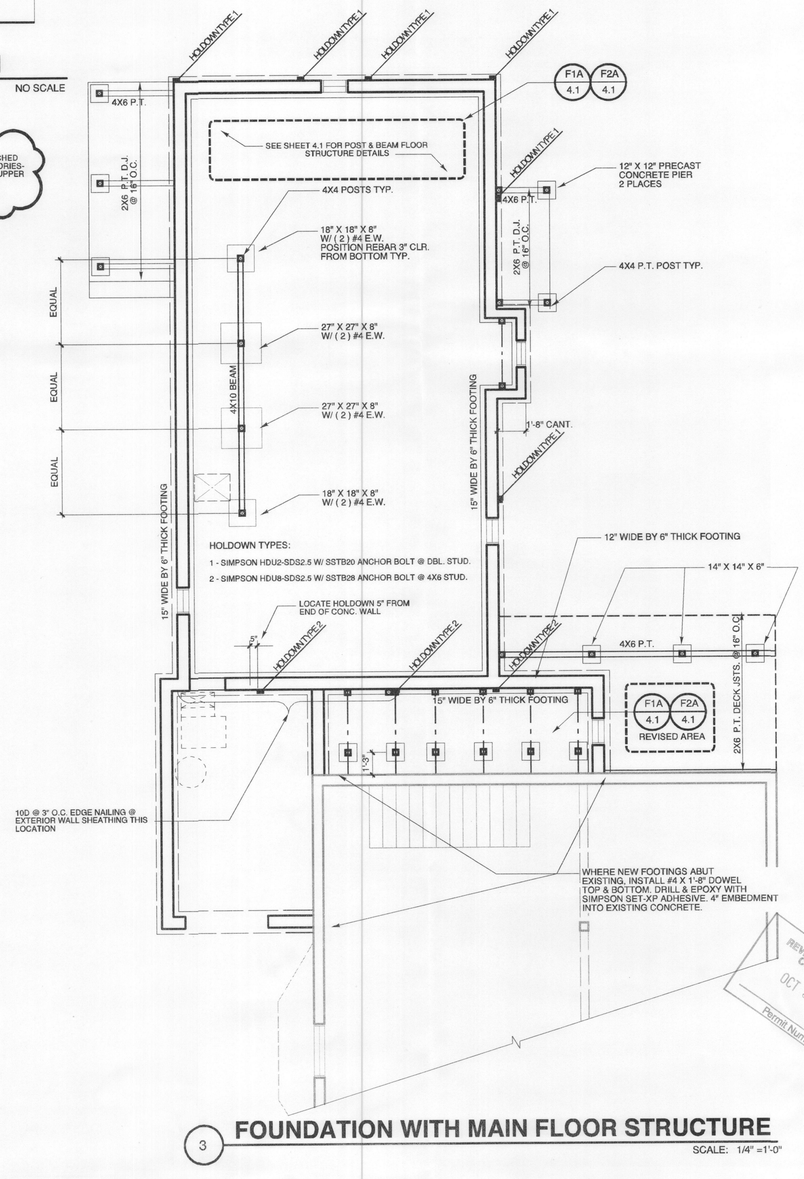
1 **ROOF PLAN**

SCALE: 1/4" =1'-0"



2 **UPPER FLOOR FRAMING PLAN**

SCALE: 1/4" =1'-0"



3 **FOUNDATION WITH MAIN FLOOR STRUCTURE**

SCALE: 1/4" =1'-0"

City of Portland
REVIEWED FOR CODE COMPLIANCE
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Structural Drawings For:

The Parra Residence
1337 SE Lexington
Portland, Oregon 97202

Structural Plans

REVISIONS

	10.09.12
	10.16.12
	10.26.12

DATE
10.07.12

DATE LAST PRINTED

PROJECT NO:

SHEET
S1

REVISED SHEET 10.26.12