ITW Building Components Group, Inc.

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

 Document ID:1UP97175Z0505143230

Truss Fabricator: **Truss Components of Oregon**
Job Identification: **R_0612050**
Model Code:
Truss Criteria: **CUSTOM/TPI-2002(STD)**
Engineering Software: **Alpine proprietary truss analysis software. Version 10.03.**
Truss Design Loads: **Roof - 42 PSF @ 1.15 Duration**
Floor - N/A
Wind - 85 MPH (ASCE 7-05-Closed)

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 32037
GAROLD W. HEAL
Date Signed 09/05/2012
ARIZONA, U.S.A.
Expires 6/30/2013

Gary W. Heal

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: CAUSR7175**

Details: -
Submitted by GWH 14:32:26 09-05-2012 Reviewer: PBC
$ $

#	Ref	Description	Drawing#	Date
1	31482--A		12249090	09/05/12

City of Portland
REVIEWED FOR CODE COMPLIANCE
SEP 07 2012
Permit Number

12-135019 REV 01

(R_0612050 - A)

Repair for new bearing condition.

REPAIR PROCEDURE

> Shore truss to restore to pre-loaded condition.
> Add new web(s) with plywood gussets as specified.
> Remove shoring.

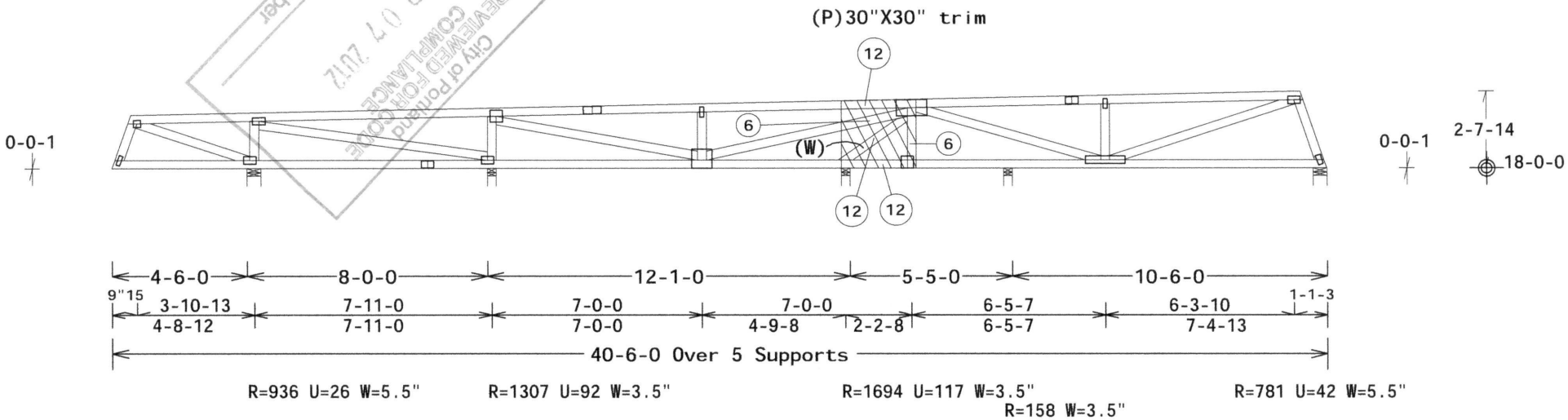
(W)Add 2X4 HF Std/Stud or better web.

(P)3/4" Plywood OR 3/4" OSB gussets; APA rated 48/24 sheathing, EXP.1, culled of surface defects if smaller than 24" square. Nail one gusset to each face of truss, through all chord and web members, with 8d (.131"X2.50") nails to alternate faces. Space nails at 3" O.C. and stagger rows to prevent splits. Circles indicate minimum quantity of nails each face.

Edge distance, end distance and spacing for fasteners shall be sufficient to prevent splitting of the wood and meet requirements of ANSI/AF&PA NDS-2005.

See drawing CAUSR7175 12241007 for lumber, plates, and other data not shown here.

After completion of repairs, trusses must be inspected by the truss manufacturer or local building department to assure compliance with ITWBCG designs and specifications.



Design Crit: CUSTOM/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=2%(0%)/4(0) 10.03.11 AZ/-/1/-/-/R/- Scale =.1875"/Ft.

Truss Components of Oregon (503)357-2114
825 N 4th Ave, Cornelius OR 97113

ALPINE

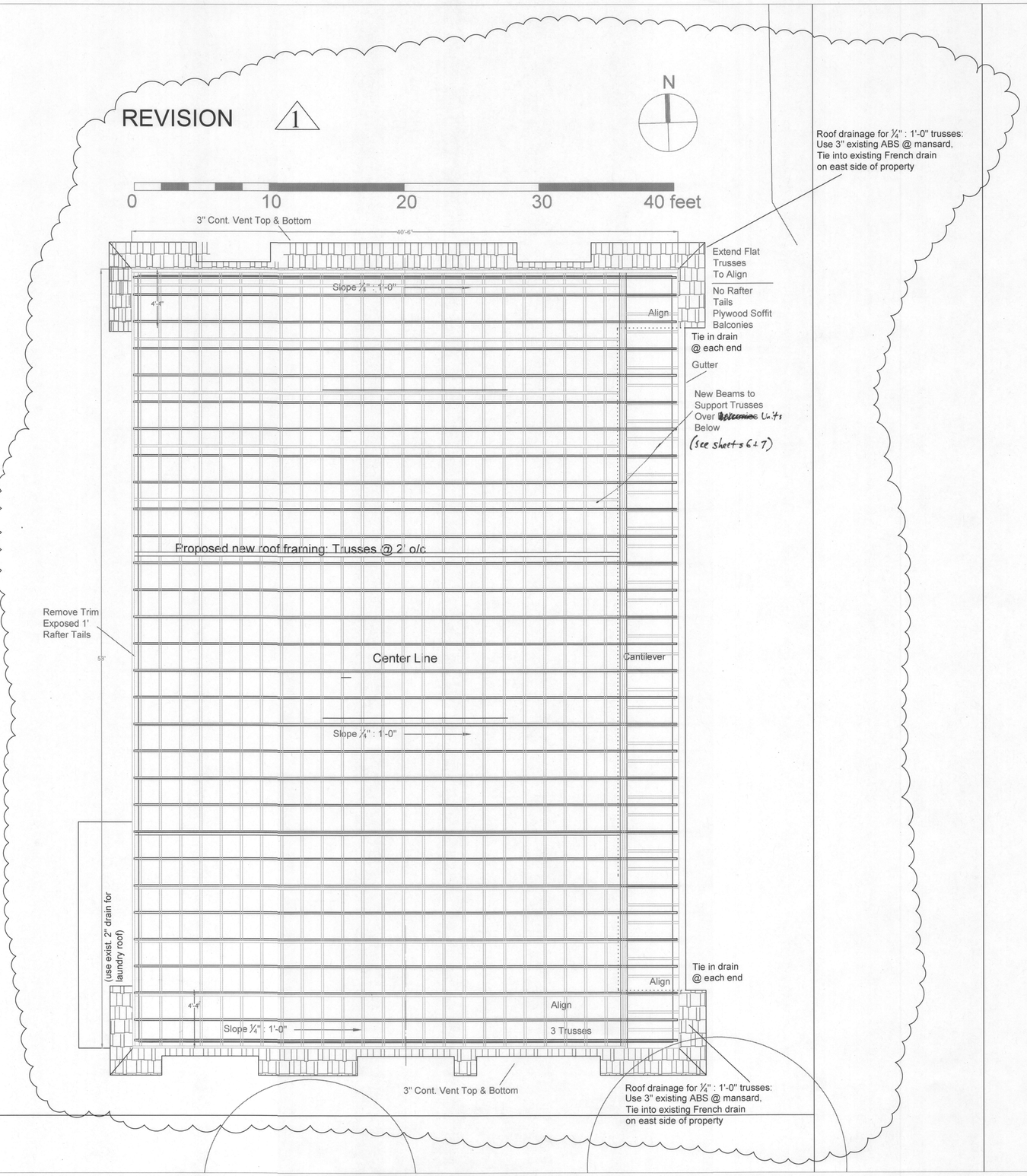
ITW Building Components Group, Inc.
Sacramento, CA 95828
AZ COA #13174-0

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 (CIVIL)
CERTIFICATE NO. 32037
GAROLD W. HEAL
09/05/2012
Date Signed
ARIZONA, U.S.A.
Expires 12/31/2012

TC LL	25.0 PSF	REF	R7175- 31482
TC DL	7.0 PSF	DATE	09/05/12
BC DL	10.0 PSF	DRW	CAUSR7175 12249090
BC LL	0.0 PSF	CA-ENG	PBC/GWH
TOT.LD.	42.0 PSF	SEQN-	4592
DUR.FAC.	1.15	FROM	BB
SPACING	24.0"	JREF-	1UP97175Z05



1

Revision
Set
09.05.12

Adam Woodward
503.319.8638

Latin Quarter Apartments
1727 SE 30th Ave
Portland OR 97214

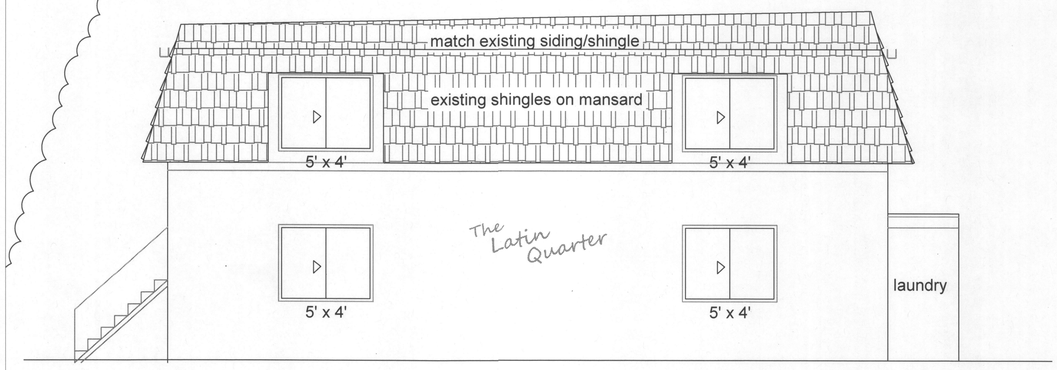
12-138019-CO

City of Portland
REVIEWED FOR CODE
COMPLIANCE
SEP 07 2012
Permit Number

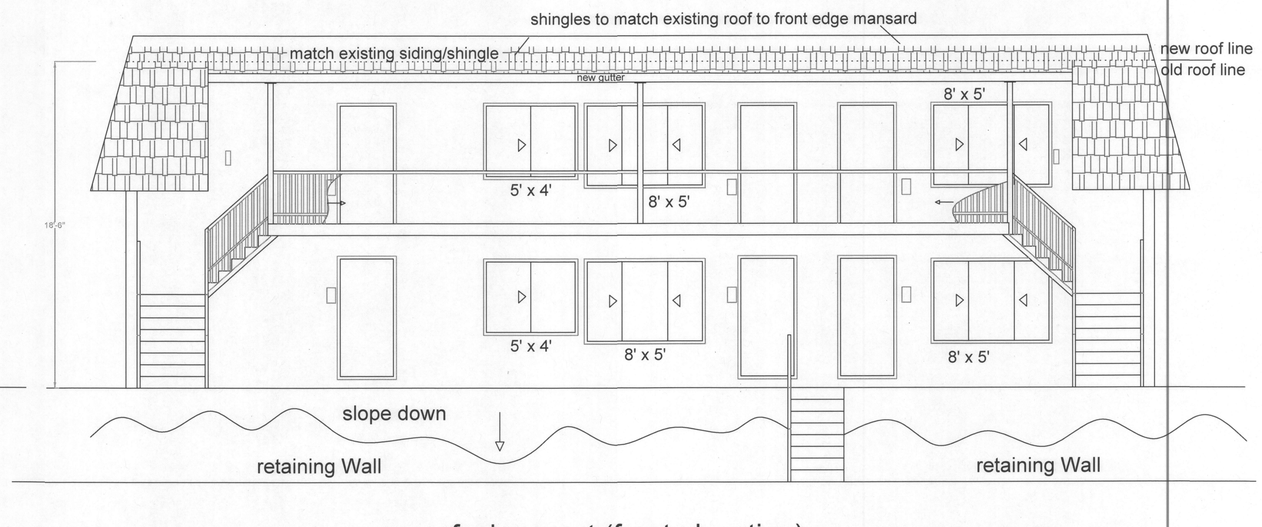
New Framing Plan w/ Exist.
scale = 1/4" : 1'0

2b

REVISION 1

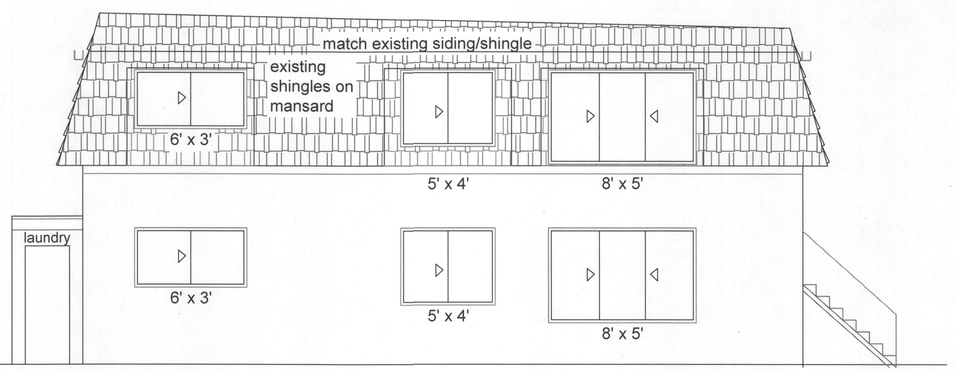


north elevation (facing south)

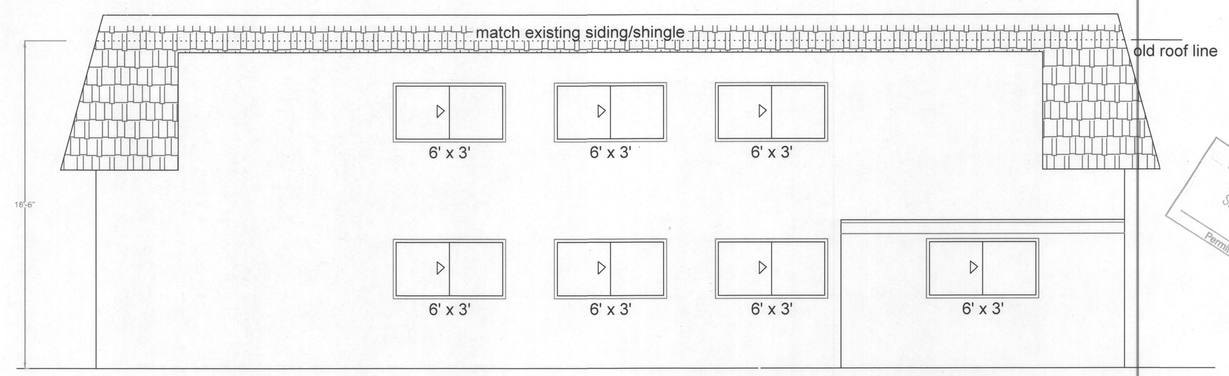


facing west (front elevation)

Window Note:
All windows
U-Value .31
(Milgard, vinyl)



south elevation (facing north)



facing east (back elevation)

scale
0 10 20 30 40 feet

City of Portland
Bureau of
Development Services
By Date 9/7/12
Approved by
Planning and Zoning Review

City of Portland
Development Services
REVIEW
COMPLETE
SEP 07 2012
Permit Number

1

Revision Set 09.05.12

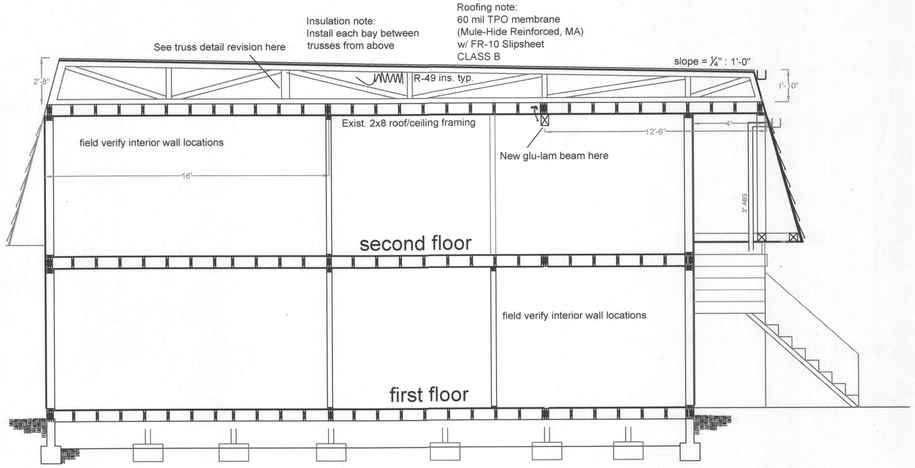
Adam Woodward
503.819.9838

Latin Quarter Apartments
717-727 SE 30th Ave
Portland, OR 97214

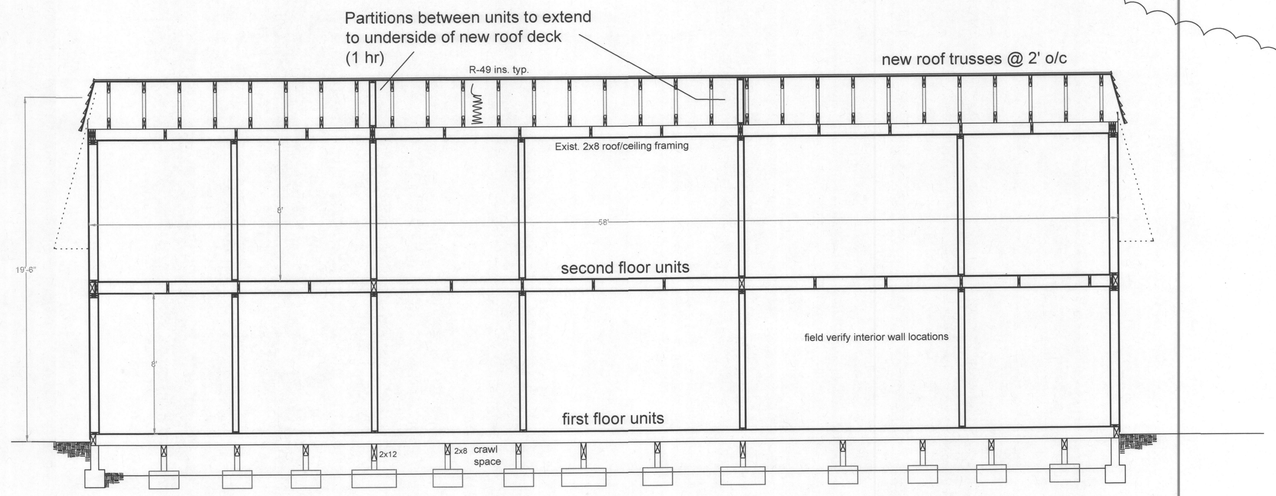
sections/elevations page 1
scale = 1/4" : 1'0

4a

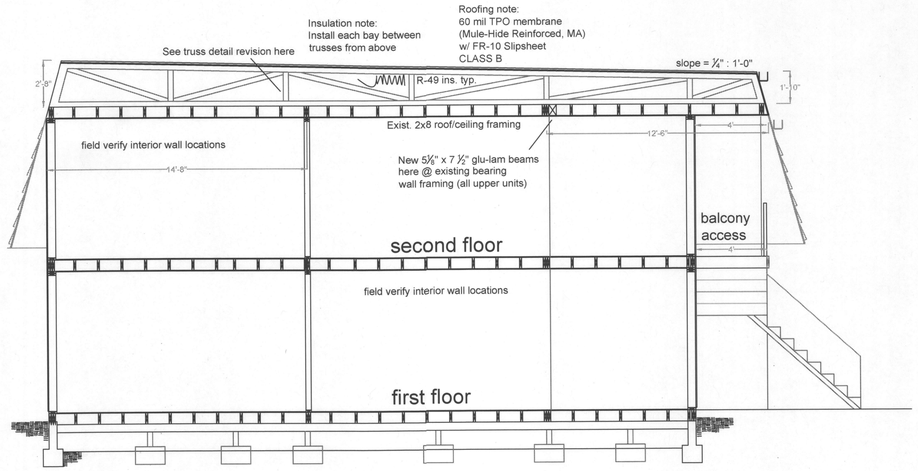
REVISION 1



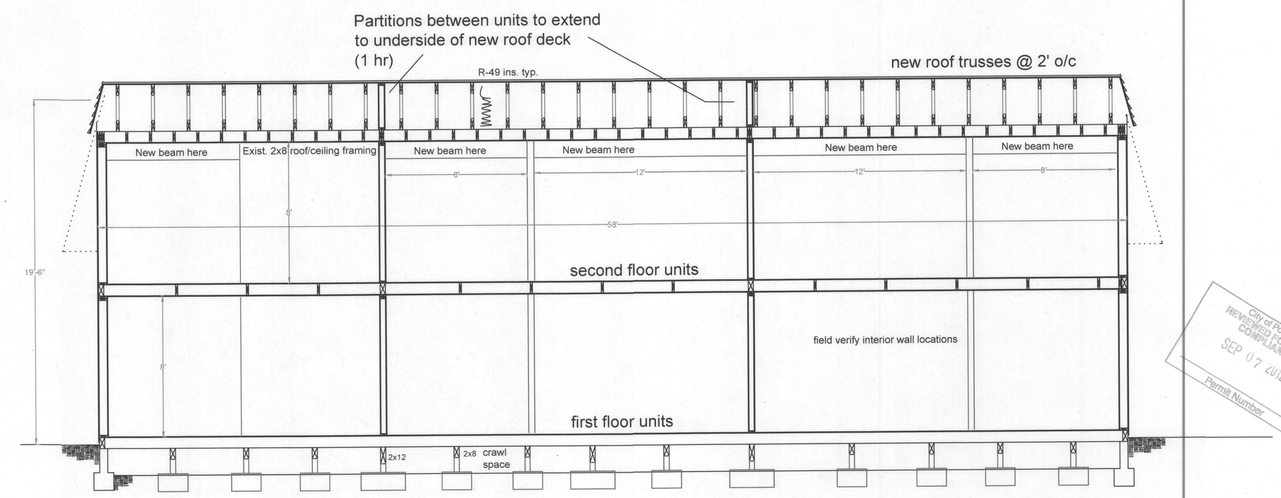
facing north (section through south end @ mansard)



facing west (center section)



facing north (section through center)



facing west (@ east end)

scale

0 10 20 30 40 feet

1

Revision
Set
09.05.12

Adam Woodward
503.819.9838

Latin Quarter Apartments
717-727 SE 30th Ave
Portland, OR 97214

sections/elevations page2
scale = 1/4" : 1'0

4b

STRUCTURAL NOTES

CODE: 2010 O.S.S.C. AND 2011 O.R.S.C.

DESIGN LOADS:
- DEAD LOAD - AS REQUIRED
- LIVE LOAD - 40 PSF
- SNOW LOAD - 25 PSF

CARPENTRY:

1. REFERENCE SPECIFICATION - IBC CHAPTER 23.
2. LUMBER - DOUGLAS FIR WITH MOISTURE CONTENT PER SPECIFICATION. ALL IN CONTACT WITH CONCRETE TO BE PRESSURE PRESERVATIVE TREATED. GRADE AS FOLLOWS:
   - A. POSTS AND BEAMS 6X AND GREATER - D.F. NO 1.
   - B. POSTS AND BEAMS 6X SMALLER - D.F. NO 2 OR BETTER.
   - C. STUDS - D.F. STUD GRADE OR BETTER
   - D. PLATES & SILLS - DF NO. 2 P.T. AT CONCRETE SLAB.
     - KILN DRIED D.F. STANDARD TYPICAL
3. SHEATHING - PLYWOOD, ORIENTED STRANDBOARD OR APPROVED EQUAL.
   - A. ROOF & WALL SHEATHING - APA 24/0. THICKNESS & NAILING PER PLAN.
   - B. FLOOR SHEATHING - APA - 48/24. THICKNESS AND NAILING PER PLAN.
4. PLYWOOD WEB JOISTS- TRUS JOIST TJI SERIES OR APPROVED EQUAL. BRIDGING, BLOCKING & ERECTION BRACING PER MANUFACTURER'S RECOMMENDATION.
5. GLUE LAMINATED BEAMS - DOUGLAS FIR, COMBINATION 24F-V4, FABRICATED WITH WATER PROOF GLUE. FINISH PER PROJECT SPECIFICATIONS.
6. P.T. GLUE LAMINATED BEAMS - EWB 24F-V8M / 8M, FABRICATED WITH WATER PROOF GLUE. FINISH PER PROJECT SPECIFICATIONS.
7. GLUE LAMINATED COLUMNS - DOUGLAS FIR, COMBINATION 24F-V8, FABRICATED WITH WATER PROOF GLUE. FINISH PER PROJECT SPECIFICATIONS.
8. PARALLAM BEAMS - 2.0 E BY TRUS JOIST.
9. TIMBERSTRAND BEAMS - 3-1/2", 1.9E BY TRUS JOIST.
10. TIMBERSTRAND BLOCKING - 1.9E, 1-3/4" BY TRUS JOIST.
11. CONNECTIONS - SIMPSON STRONG-TIE OR USP, GALVANIZED.
12. FRAMING - PER INDUSTRY & CODE STANDARDS FOR ALL DETAILS NOT SHOWN. REFER TO IBC SECTIONS 2304, 2305 AND 2306.
13. NAILING - USE COMMON TYPE NAILS. MINIMUM NAILING PER IBC TABLE NO. 23-I-Q UNLESS NOTED OTHERWISE ON PLANS.

COMMON WIRE NAIL	PNEUMATIC NAIL DIAMETER	MINIMUM NAIL LENGTH	NAIL APPLICATION
3OD COMMON	0.207"# P-NAIL	4-1/2"	3X DECKING
4OD COMMON	0.225"# P-NAIL	5"	4X DECKING
20D COMMON	0.192"# P-NAIL	4"	FRAMING
16D COMMON	0.162"# P-NAIL	3-1/2"	FRAMING
10D COMMON	0.148"# P-NAIL	3"	FRAMING
N/A	0.148"# P-NAIL	2-3/8"	FLR SHEATHING
8D COMMON	0.131"# P-NAIL	2-1/2"	ROOF SHEATHING
N/A	0.162"# P-NAIL	3-1/2"	STRAPS

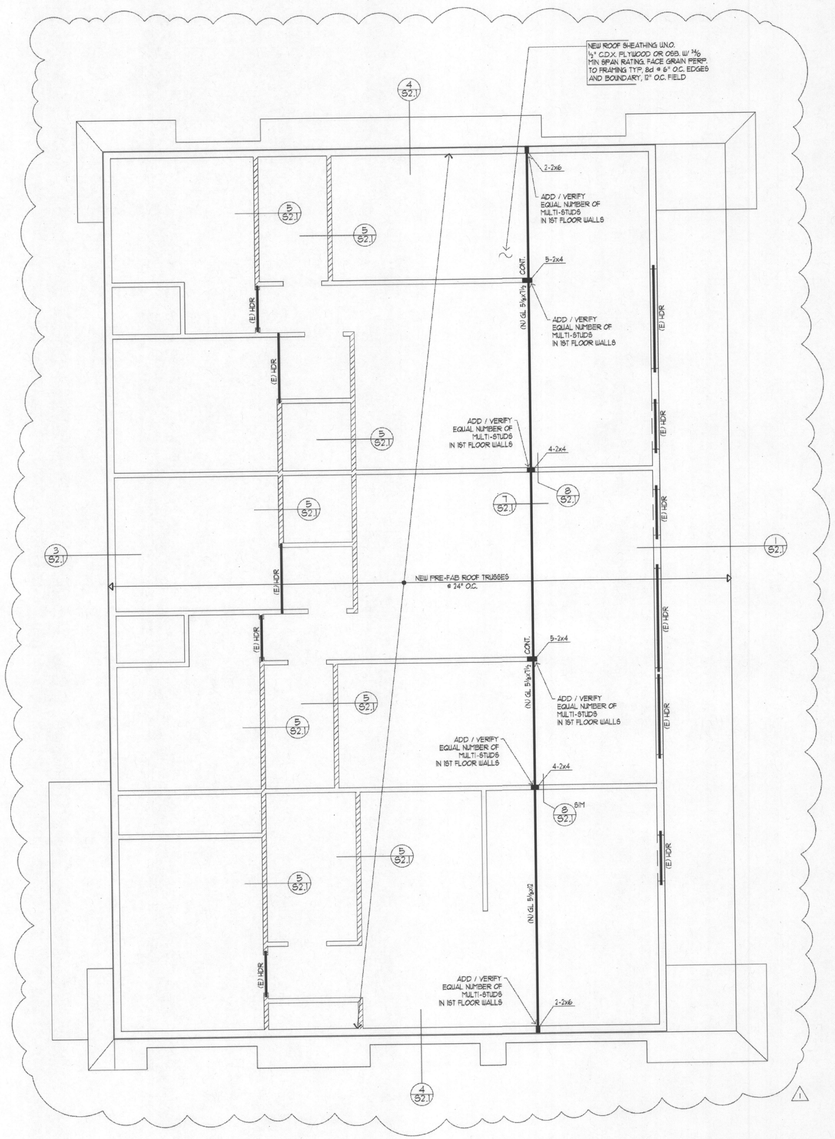
14. DRYING - PRIOR TO INSTALLATION OF GYPSUM WALL BOARD, DRY COMPLETED TO A MAXIMUM MOISTURE CONTENT OF 19%.
15. SUBMITTALS - SHOP DRAWINGS, 4 COPIES.
16. PREFABRICATED WOOD TRUSSES:
    - A. REFERENCE STANDARD - IBC STANDARD 23-11.
    - B. PERFORMANCE REQUIREMENTS - PROVIDE WOOD TRUSSES DESIGNED AND FABRICATED TO SUPPORT THE LOADS SHOWN WITH A TOTAL LOAD DEFLECTION LESS THAN L/240.
    - C. SUBMITTALS: (3 COPIES)
      STRUCTURAL CALCULATIONS STAMPED BY AN ENGINEER REGISTERED IN OREGON & SHOP DRAWINGS SHOWING ALL FABRICATION, ERECTION AND INSTALLATION DETAILS.
17. UNLESS NOTED OTHERWISE, ALL BEAMS & GIRDER TRUSSES TO BE SUPPORTED AT ENDS BY:
    - A. MULTIPLE STUDS EQUAL TO BEAM WIDTH (TRIPLE STUD MIN) WHEN LOCATED IN WALL. CONTINUE ON ALL FLOORS DOWN TO FOUNDATION WITH SOLID BLOCKING AT FLOORS. CONN STUDS TOGETHER WITH NAIL @ 12" O.C.
    - B. SOLID POST EQUAL TO BEAM WIDTH WHEN FREE STANDING. EXTEND CONTINUOUS FOR FULL HEIGHT DOWN TO SOLID BEARING.

LEGEND

- INDICATES INTERIOR BEARING WALL BELOW FRAMING LEVEL
- INDICATES WALL BELOW FRAMING LEVEL
- INDICATES COLUMN BELOW FRAMING LEVEL
- INDICATES DETAIL REFERENCE APPLIES TO ALL SIMILAR LOCATIONS

TRUSS NOTES:

- ALL TRUSSES TO BE PRE-ENGINEERED & CARRY MANUFACTURER'S STAMP.
- ALL TRUSSES SHALL BE INSTALLED & BRACED TO MANUFACTURER'S SPECIFICATIONS.
- NON-BEARING WALLS SHALL BE CONNECTED TO THE TRUSS BOTTOM CHORD PER DETAIL 6 / S1.1
- ALL CONNECTIONS WITH RAFTERS, MONO OR JACK TRUSSES & HIP TRUSSES TO MAIN GIRDER TO BE PROVIDED BY THE TRUSS MANUFACTURER.
- TRUSS LAYOUT SHOWING GIRDER TRUSS LOCATIONS ARE NOT PERMITTED TO CHANGE & MUST BE FOLLOWED CORRECTLY. IF TRUSS MANUFACTURER REQUESTS TO CHANGE IN PART OR IN WHOLE THE LAYOUT DESIGNED HEREIN, HE/SHE MUST CONTACT THE DESIGNER TO INSURE STRUCTURAL DESIGN IS MAINTAINED ON THE BUILDING CORRECTLY. ALSO, IF THE DESIGN LAYOUT IS DETERMINED TO CHANGE, THE BUILDING DEPARTMENT WILL REQUIRE APPROVAL & NEW ENGINEERING CALC'S.
- ADD SOLID BLK'G BETWEEN JOISTS UNDER POINT LOADS ABV. - WHERE APPLICABLE AT WALL.
- PROVIDE SOLID BEARING UNDER GIRDER TRUSS ENDS & FROM BEARING POINTS UNDER STRUCTURAL ROOF BEAMS AS SHOWN ON PLANS.
- PROVIDE SOLID BEARING UNDER BEAM ENDS & FROM BRG. POINTS TRANSFERRED DOWN FROM FLOOR ABV. CONT. TO FTG. BLW AS LOCATED ON PLANS.



1 S1.1 ROOF FRAMING PLAN

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

REGISTERED PROFESSIONAL ENGINEER
513191PE
OREGON
JAN. 12, 1999
DAVID J. YORI
Expires: 6-30-13

HC HORN CONSULTING ENGINEERS LLC
7302 SW Bertha Blvd.
Portland, OR 97219
Phone: (503) 892-7789
E-mail: david@hcengr.com

LATIN QUARTER APARTMENTS
717-727 SE 30TH AVE
PORTLAND, OR 97214

ROOF FRAMING PLAN

REVISIONS:

1	9.6.12

DATE:	4.23.12
SCALE:	1/4" = 1'-0"
DRAWN:	JRG
JOB NO:	ADW-12-01

S1.1

1

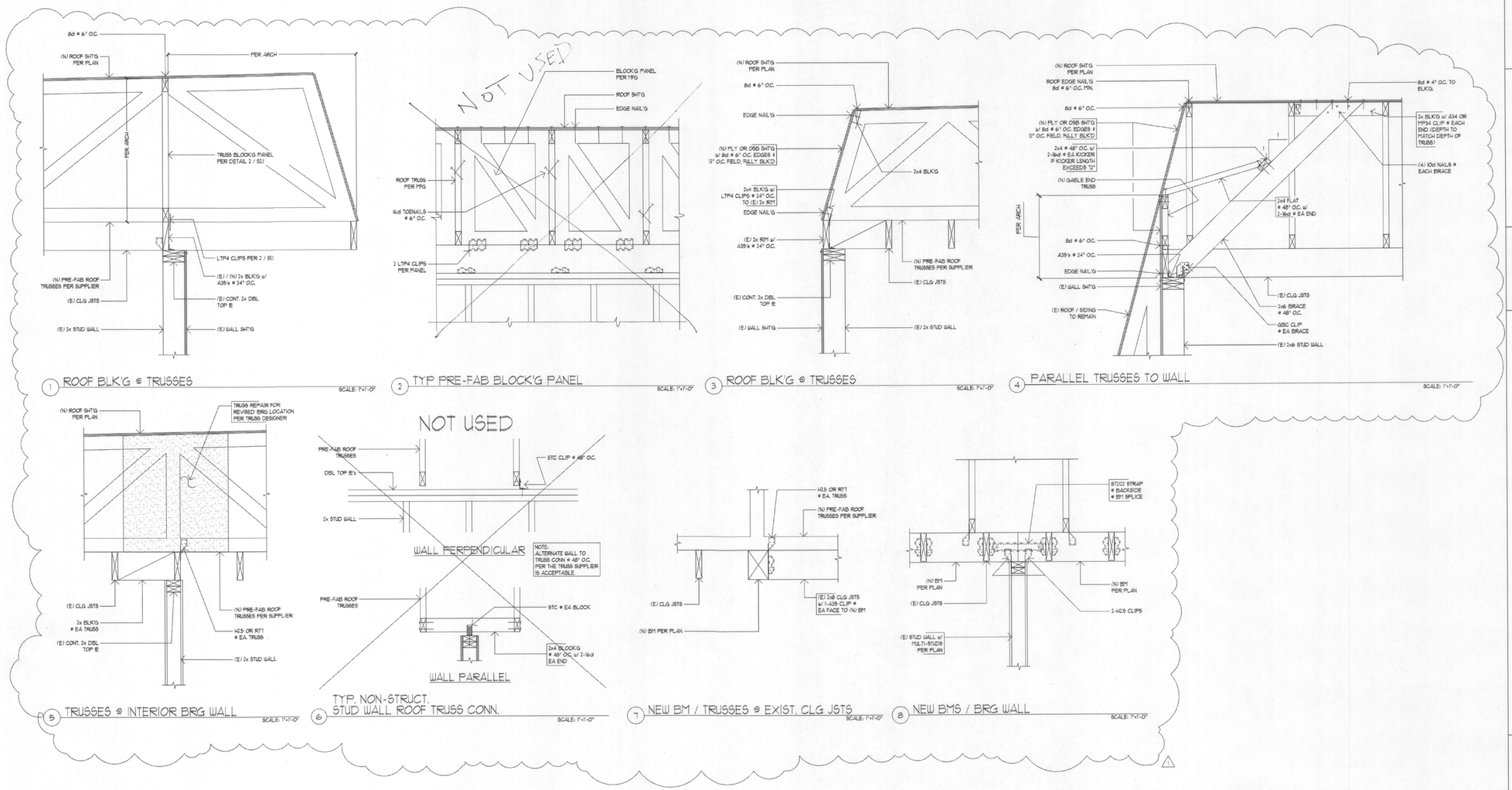
Revision Set 09.05.12

Adam Woodward
503.819.9838

Latin Quarter Apartments
717-727 SE 30th Ave
Portland, OR 97214

engineer's calculations
scale = 1/4" : 1'0

6



REGISTERED PROFESSIONAL ENGINEER
51319PE
OREGON
JUL 12, 1999
DAVID J. KERN
Expires: 6-30-13

HGC ENGINEERING
HIGHAM CONSULTING ENGINEERS LLC
1300 SW Bertha Blvd.
Portland, OR 97219
Phone: (503) 892-5782
E-mail: dave@higham.com

CONTRACTOR SHALL VERIFY THAT ALL EXISTING CONDITIONS SHOWN ON THE PLAN ARE ACCURATE WITH ACTUAL FIELD CONDITIONS. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER AND NOT BASE ON THAT AREA UNCONVERED.

DISCLAIMER: THE SIGNATURE AND STAMP FOR THESE STRUCTURAL DRAWINGS ARE VALID ONLY WHEN ACCOMPANIED BY A CONVENTIONAL OR CAD SET OF STRUCTURAL CALCULATIONS BEARING THE SAME STAMP. HIGHAM CONSULTING LLC AND BOLLARD SITH A DIS STAMP AND SIGNATURE BY THE ENGINEER SHOWN. STAMP APPEARS ON THIS SHEET. CONTRACTOR: THE STRUCTURAL DRAWINGS MAY NOT BE APPROVED BY THE LOCAL JURISDICTION.

LATIN QUARTER APARTMENTS
717-727 SE 30TH AVE
PORTLAND, OR 97214

City of Portland
REVIEWED FOR CODE COMPLIANCE
SEP 07 2012
Permit Number

ROOF FRAMING PLAN

REVISIONS:	
1	9.6.12
DATE:	4.23.12
SCALE:	1" = 1'-0"
DRAWN:	JPG
JOB NO:	ADW-12-01

S2.1

1

Revision Set 09.05.12

Adam Woodward
503.819.9838

Latin Quarter Apartments
717-727 SE 30th Ave
Portland, OR 97214

engineer's details
scale = 1" : 1'0

7