

ITW Building Components Group, Inc.

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

Page 1 of 1 Document ID: IUP97175Z0505143230

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)



Expired 09/05/2012

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



12138019.2012

(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.

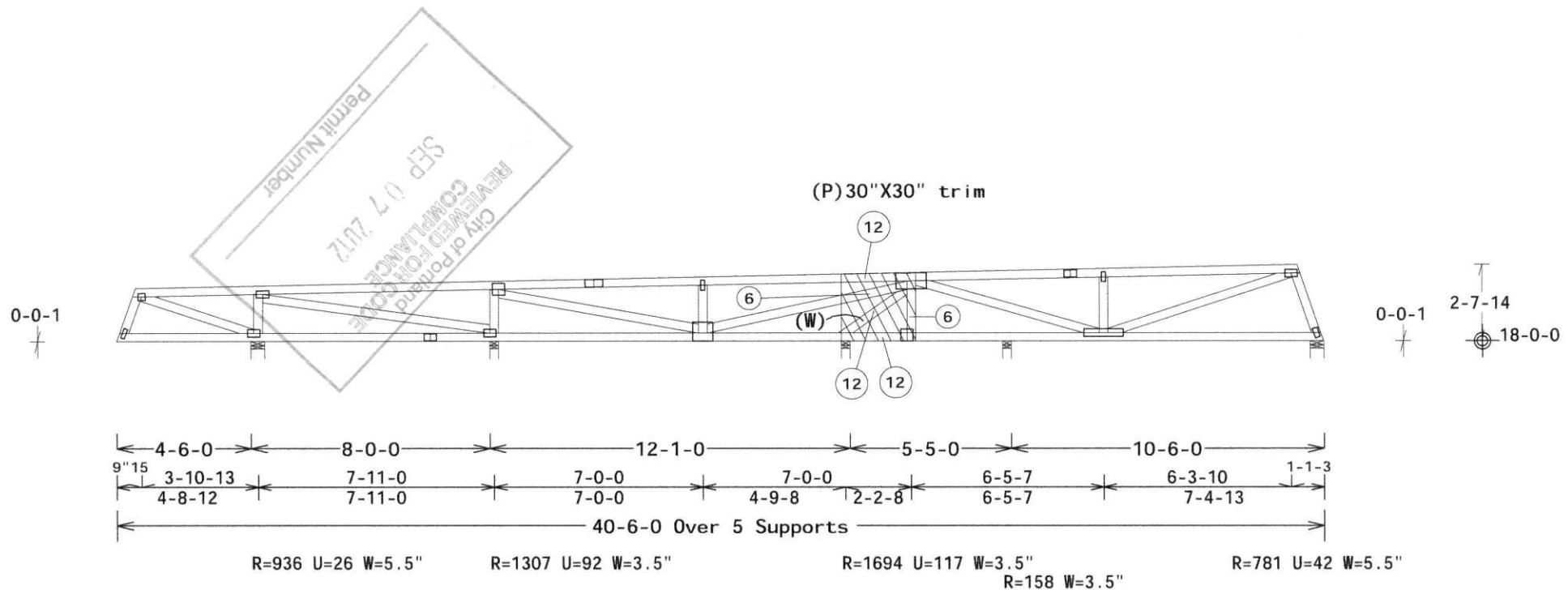
(W) Add 2X4 HF Std/Stud or better web.

(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.

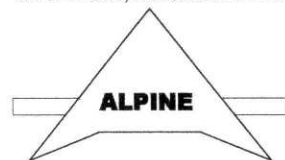


PLT TYP. 20 Gauge HS, Wave

Design Crit: CUSTOM/TPI-2002(STD)
 FT/RT=2%(0%)/4(0)

10.03.11

Truss Components of Oregon (503)357-2111
 825 N 4th Ave, Cornelius OR 97113



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.

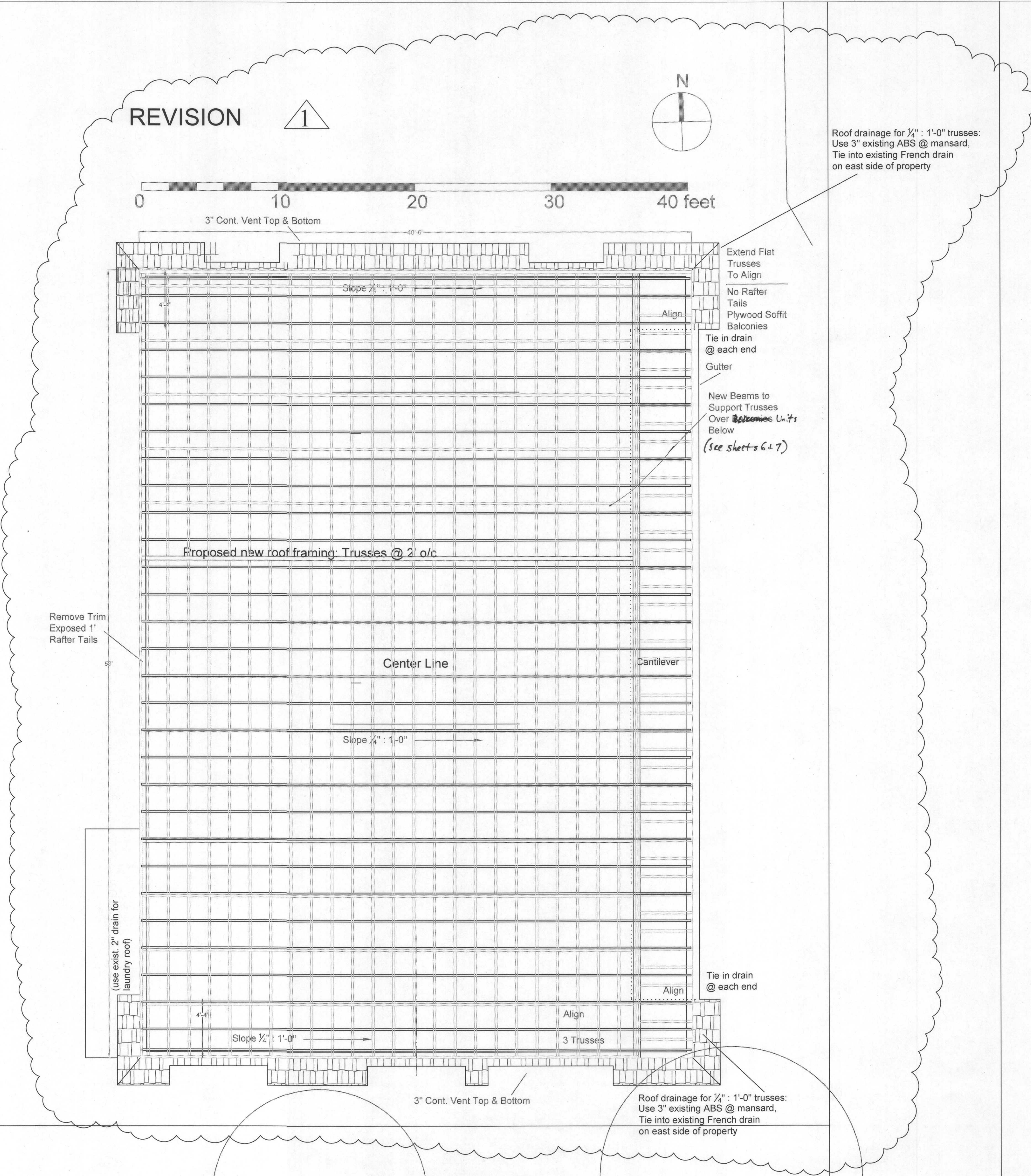
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. 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-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) 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.



AZ/-/1/-/-/R/-

Scale = .1875"/Ft.

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
505.319.9838

Latin Quarter Apartments
17747 SE 30th Ave
Portland, OR 97214

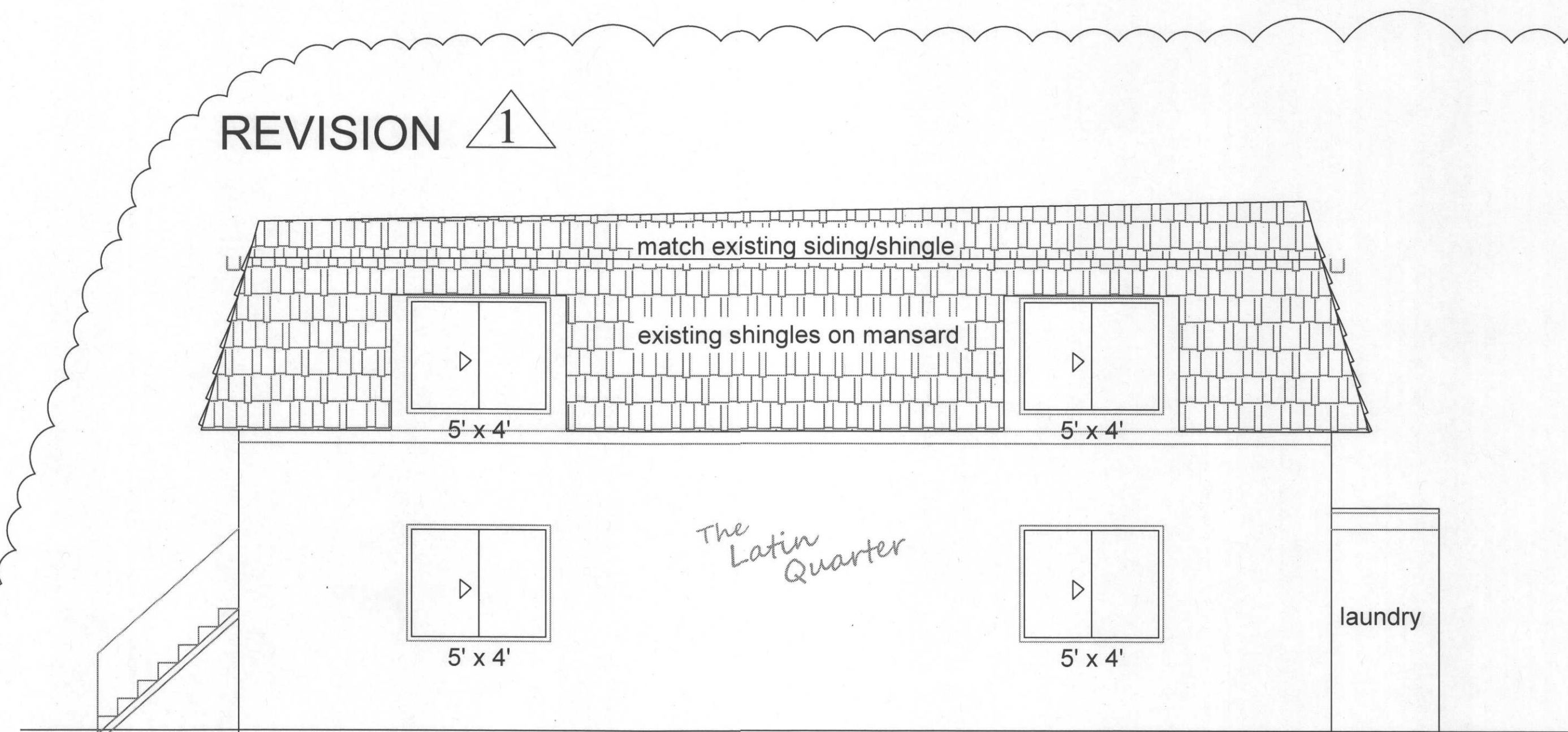
12.138019-REV 01-CO

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

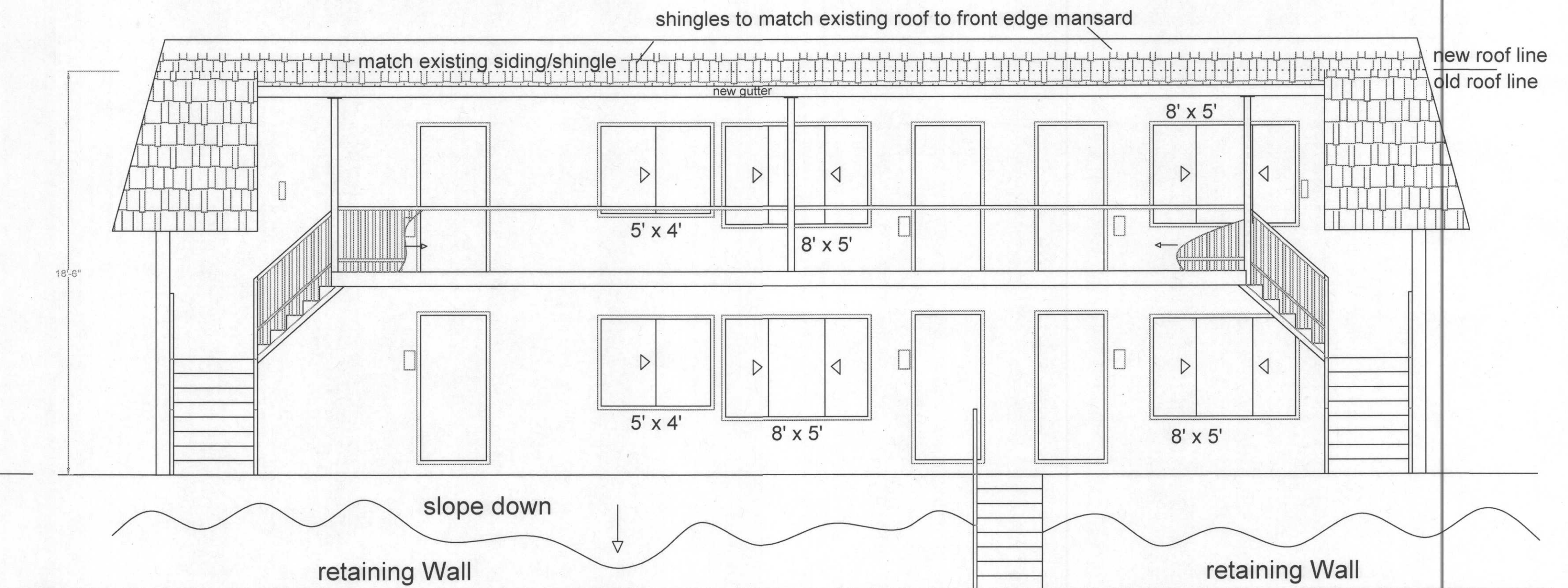
2b

CITY OF PORTLAND
REVIEWED FOR CODE
SEP 07 2012
Permit Number

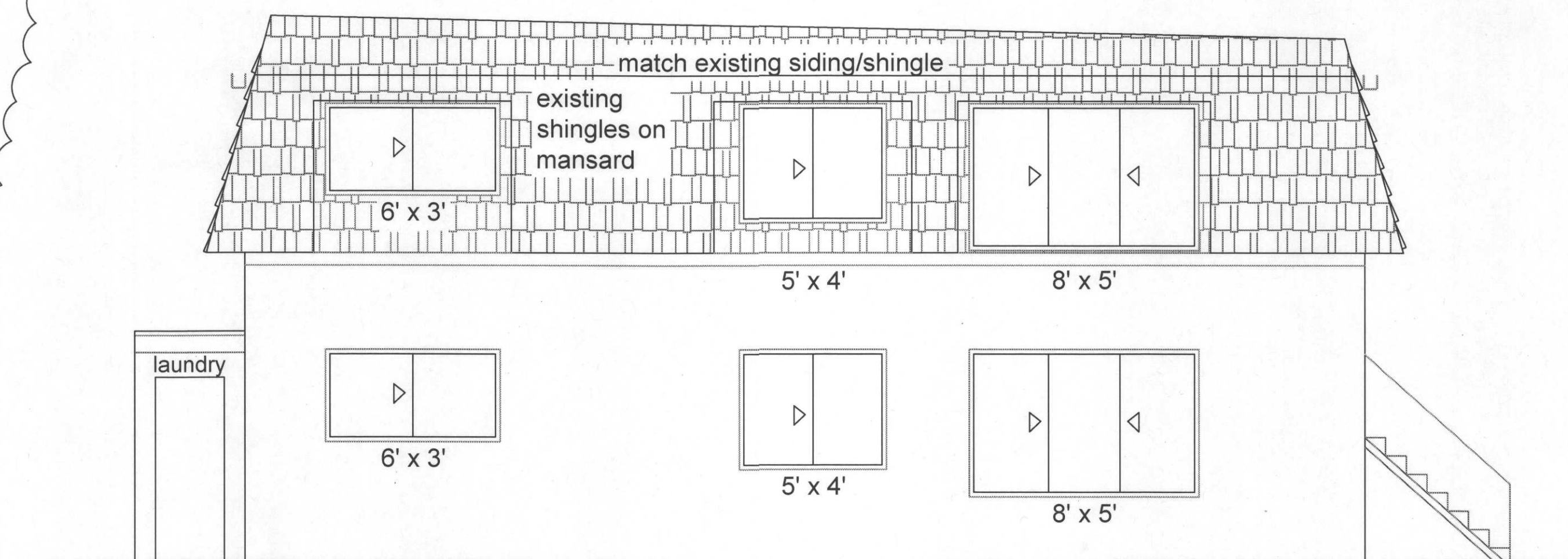
REVISION 



north elevation (facing south)

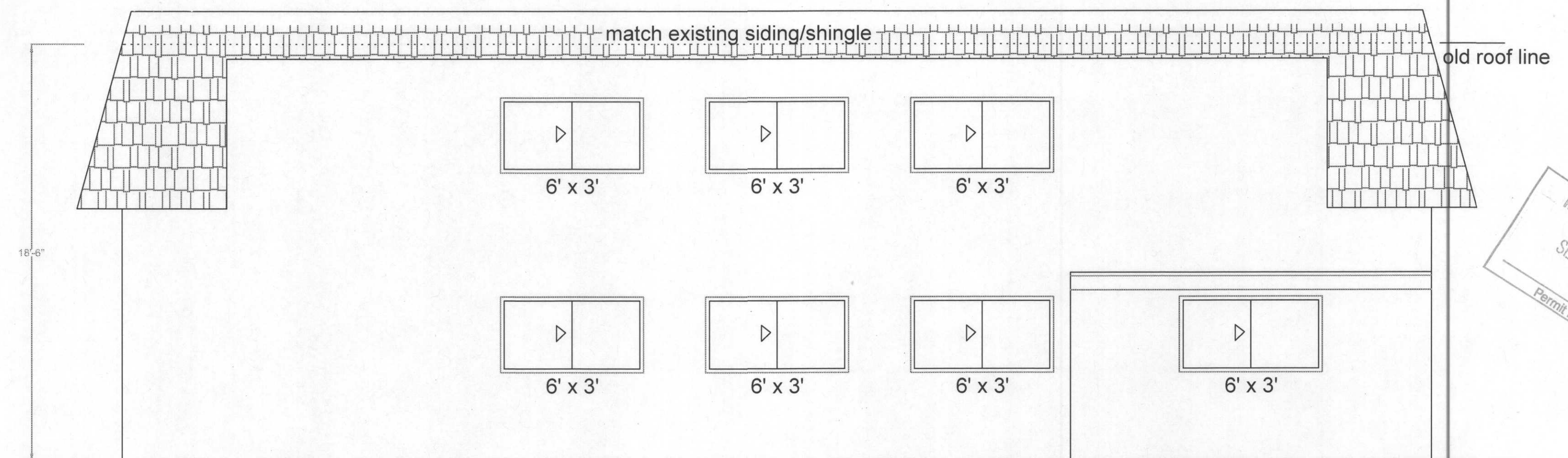


facing west (front elevation)

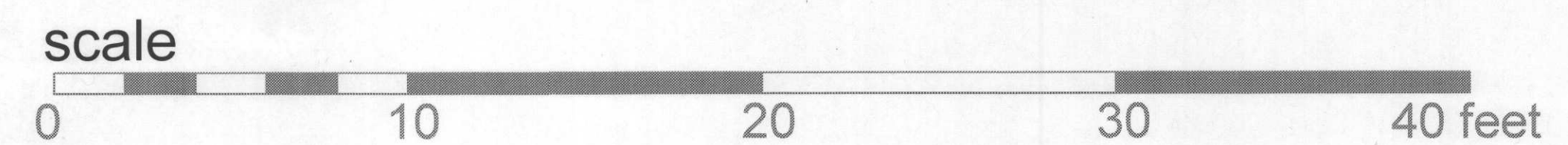


south elevation (facing north)

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



facing east (back elevation)



1

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Set
09.05.12



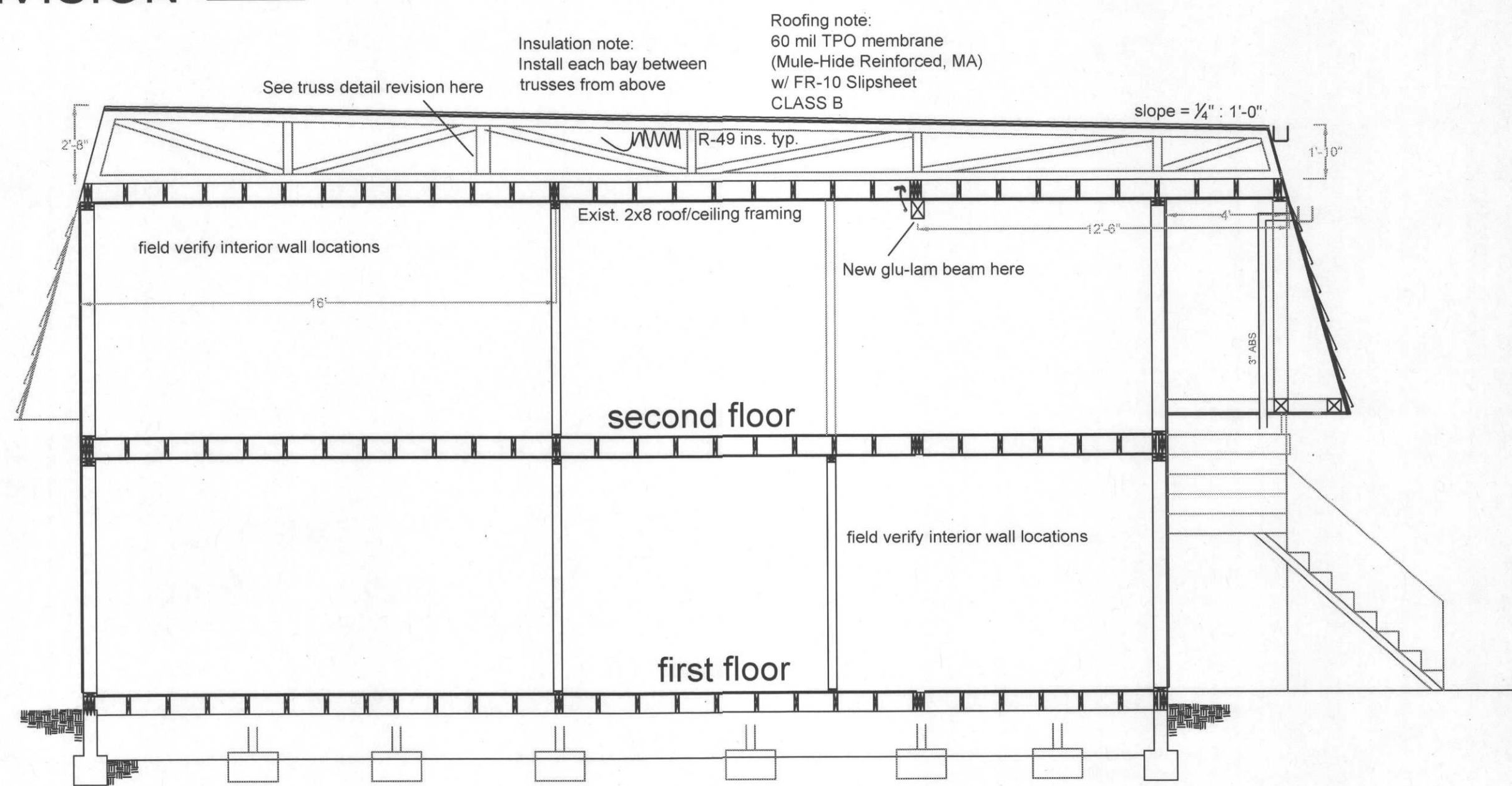
Adam Woodward
503.819.9838

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

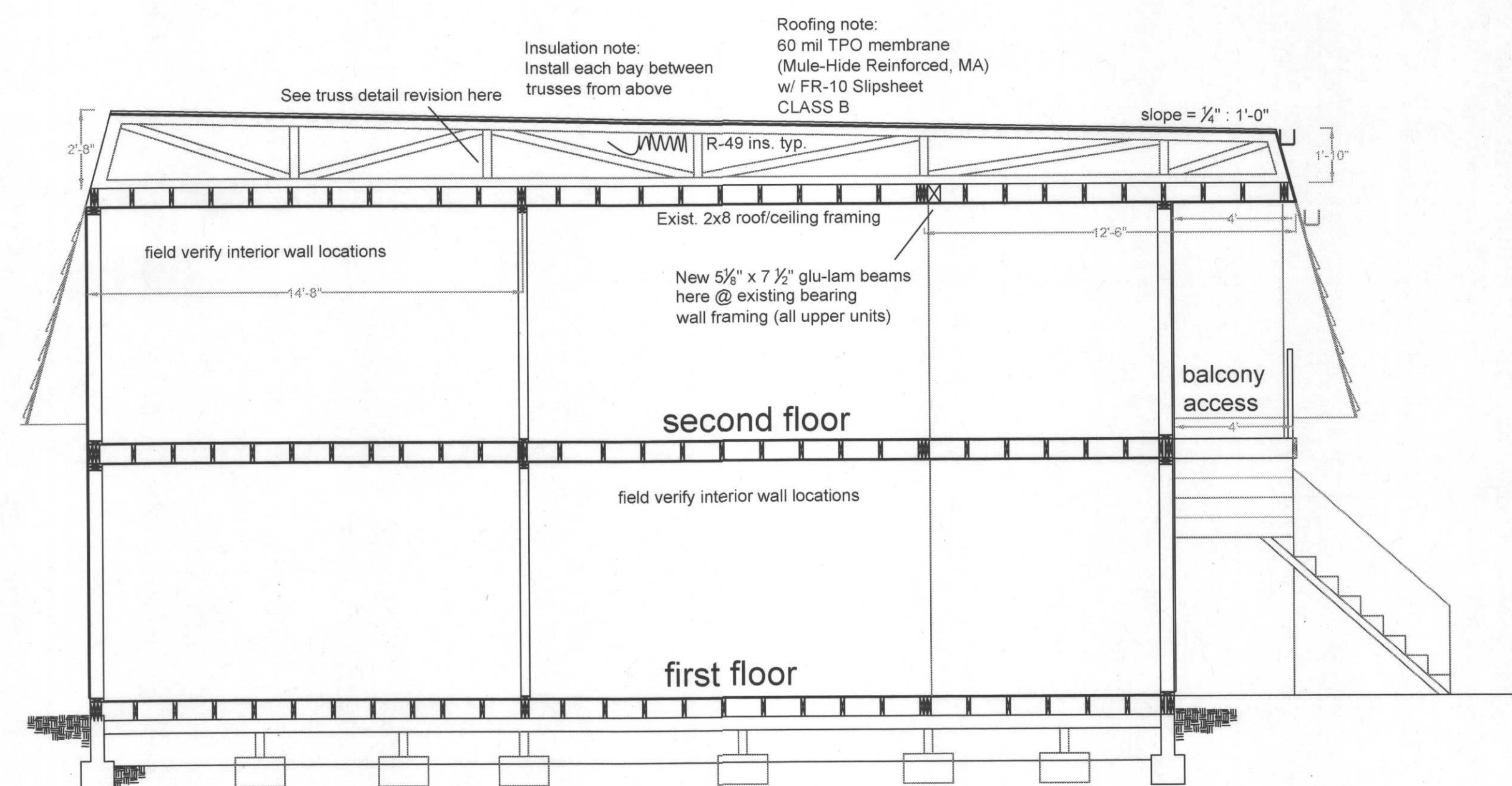
sections/elevations page 1
scale = 1/4" : 1'0

4a

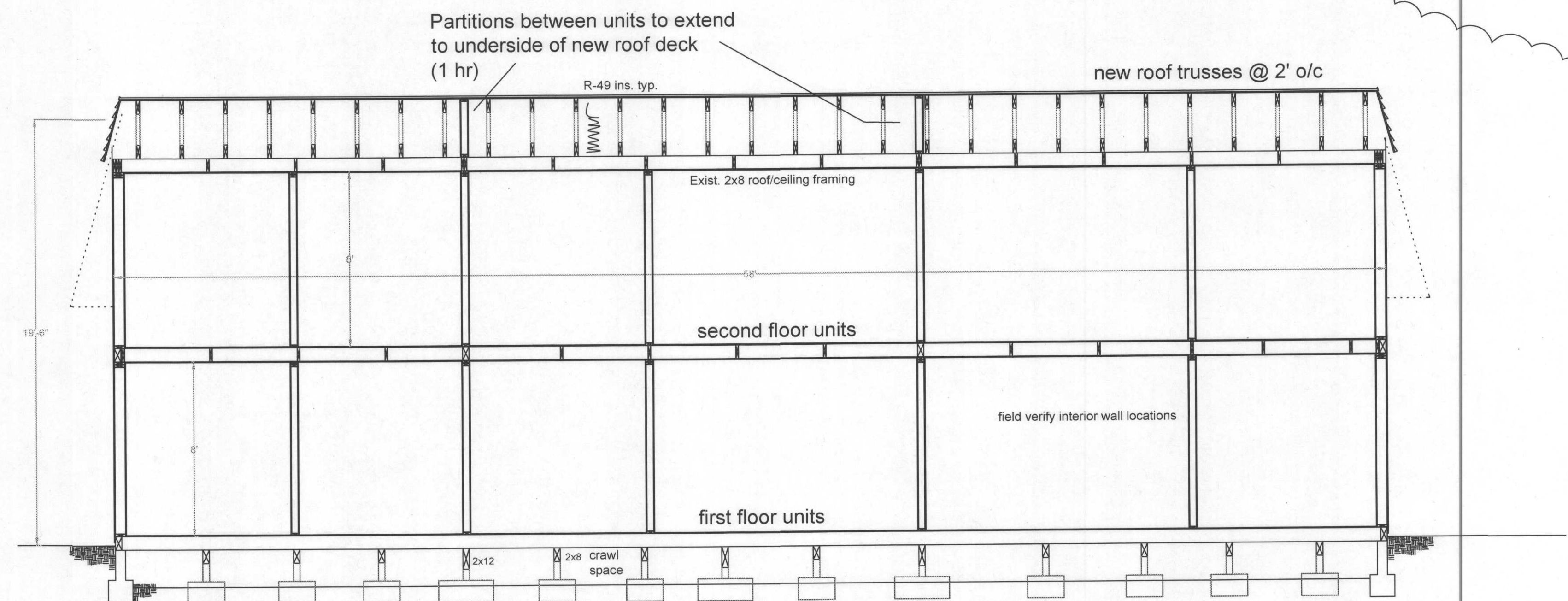
REVISION 1



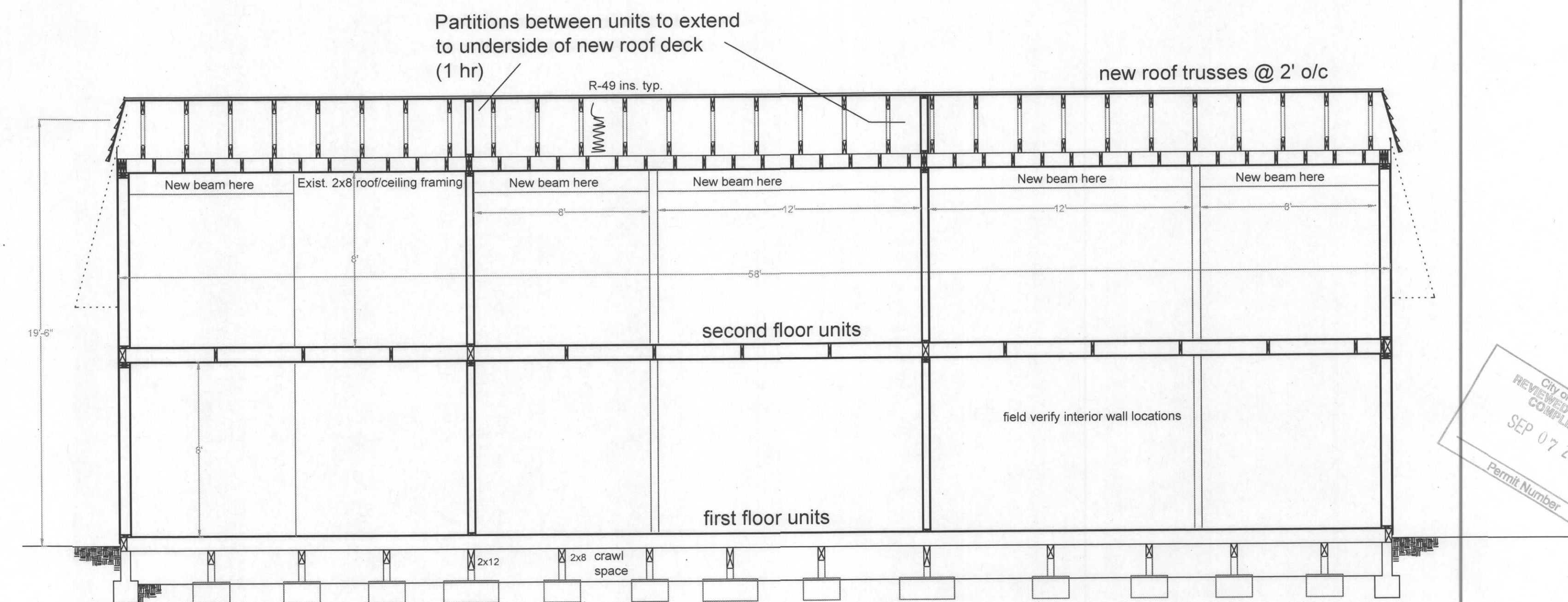
facing north (section through south end @ mansard)



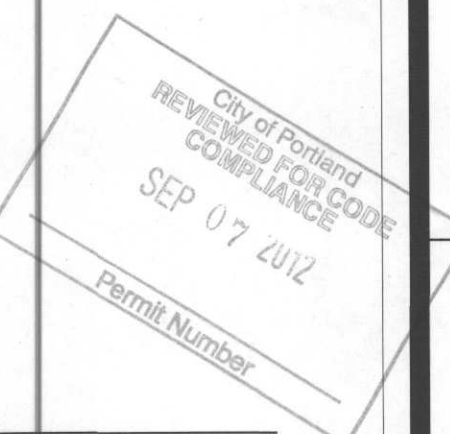
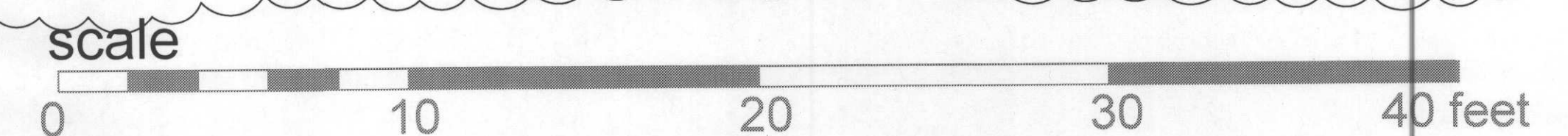
facing north (section through center)



facing west (center section)



facing west (@ east end)



1

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Adam Woodward
503.819.9838

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

4b

STRUCTURAL NOTES

CODE: 2010 OASG AND 2010 ORSC.

DESIGN LOADS:

DEAD LOAD - AS REQUIRED

LIVE LOAD - 40 PSF

SNOW LOAD - 25 PSF

CARPENTRY:

1. REFERENCE SPECIFICATION - IRC CHAPTER 12.

2. LIPSER - DOUGLAS FIR WITH MOISTURE CONTENT PER SPECIFICATION. ALL IN CONTACT WITH CONCRETE TO BE PRESERVE PRESERVATIVE TREATED. GRADE AS FOLLOWS:

A. POSTS AND BEAMS 6X AND GREATER - DF NO 1

B. POSTS AND BEAMS 4X SMALLER - DF NO 2 OR BETTER

C. STUDS - DF STUD GRADE OR BETTER

D. PLATES & SILL - DF NO 2 PT. AT CONCRETE SLAB.

3. SHEATHING - PLYWOOD, ORIENTED STRANDBOARD OR APPROVED EQUAL.

A. ROOF & WALL SHEATHING - APA 2402, THICKNESS & NAILING PER PLAN.

B. FLOOR SHEATHING - APA - 4804, THICKNESS & NAILING PER PLAN.

4. PLYWOOD USED JOISTS - TRUS JOIST 7.1 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. PT. GLUE LAMINATED BEAMS - EUS 24F-V8M1 / 5P, 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. PARALLEL BEAMS - 2D E BY TRUS JOIST.

9. TIMBERSTRAND BEAMS - 3-1/2" SE BY TRUS JOIST.

10. TIMBERSTRAND BLOCKING - 1-1/2" 1-1/4" BY TRUS JOIST.

11. CONNECTIONS - SIMPSON STRONG-TIE OR USP, GALVANIZED.

12. FRAMING - PER INDUSTRY & CODE STANDARDS FOR ALL DETAILS NOT SHOWN. REFER TO IRC SECTIONS 2304, 2305 AND 2306.

13. NAILING - USE COMMON TYPE NAILS. MINIMUM NAILING PER IRC TABLE NO. 23-1.2 UNLESS NOTED OTHERWISE ON PLANS.

COMMON WIRE NAIL	PRELIMINARY NAIL DIAMETER	MINIMUM NAIL LENGTH	NAIL APPLICATION
30D COMMON	0.3075" P-NAIL	4-1/2"	3X DECKING
40D COMMON	0.3125" P-NAIL	5"	4X DECKING
40D COMMON	0.3125" P-NAIL	4"	FRAMING
60D COMMON	0.3625" P-NAIL	3-1/2"	FRAMING
60D COMMON	0.3625" P-NAIL	3"	FRAMING
N/A	0.4875" P-NAIL	2-3/8"	FLR SHEATHING
8D COMMON	0.3125" P-NAIL	2-1/2"	ROOF SHEATHING
N/A	0.6275" P-NAIL	3-1/2"	STRAPS

14. DRYING - PRIOR TO INSTALLATION OF GYPSUM WALL BOARD, DRY COMPLETED TO A MAXIMUM MOISTURE CONTENT OF 8%.

15. SUBMITTALS - SHOP DRAWINGS, 4 COPIES.

16. PREFABRICATED WOOD TRUSSES:

A. REFERENCE STANDARD - IRC STANDARD 25-11.

B. PERFORMANCE REQUIREMENTS - PROVIDE WOOD TRUSSES DESIGNED AND FABRICATED TO SUPPORT THE LOADS SHOWN WITH A TOTAL LOAD DEFLECTION LESS THAN L/640.

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 WD # 1" 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 / 8U.

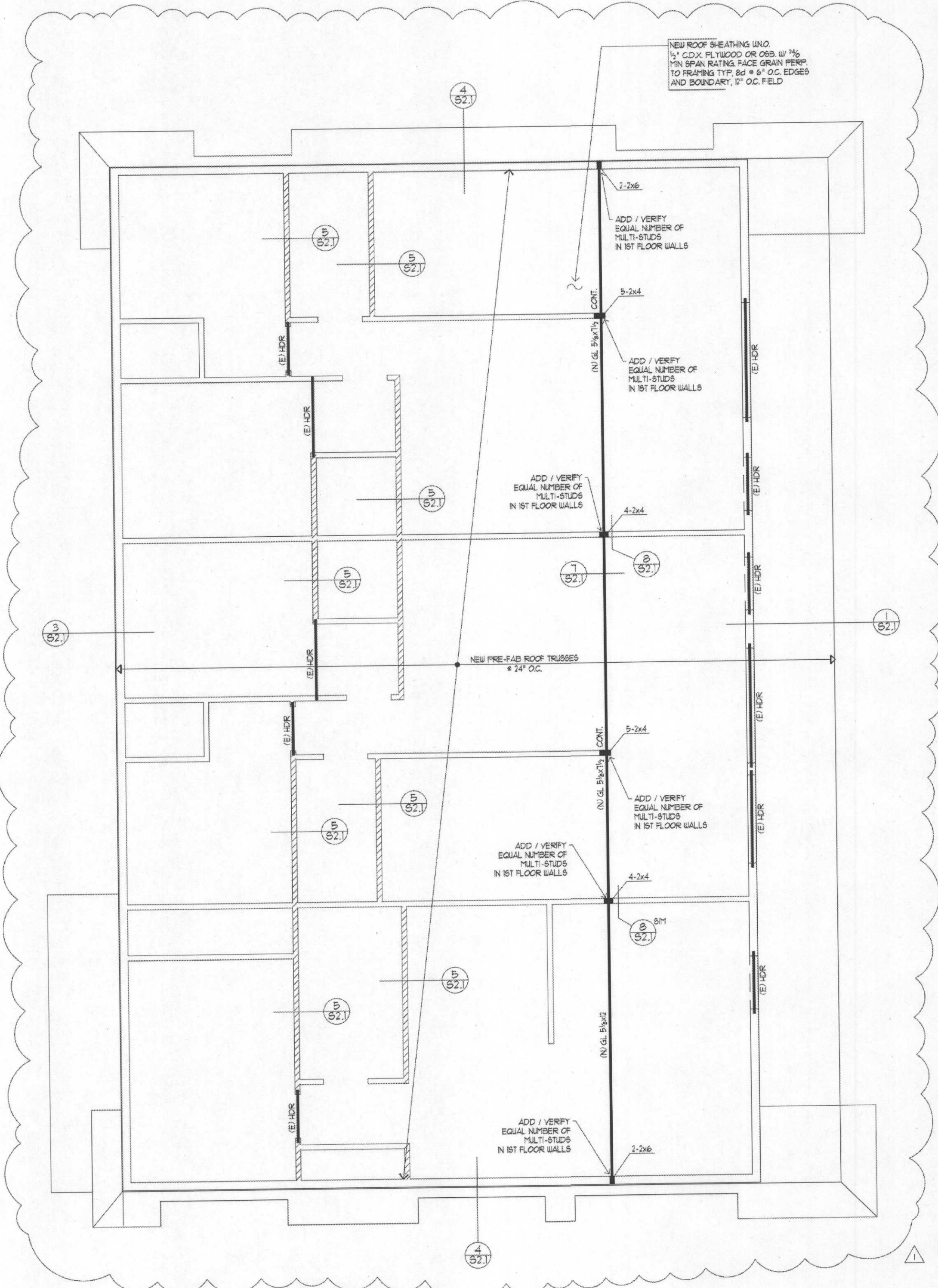
ALL CONNECTIONS WITH RAFTERS, POND OR JACK TRUSSES & UP TRUSSES TO MAIN ORDER TO BE PROVIDED BY THE TRUSS MANUFACTURER.

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 INQUIRE 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 BULK BETWEEN JOISTS UNDER POINT LOADS ABV. - WHERE APPLICABLE AT ALL.

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 FIG. 5LW AS LOCATED ON PLANS.



1
S1.1

ROOF FRAMING PLAN

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



HIC
HIC CONSULTING ENGINEERS LLC
111-121 SE 30TH AVE
PORTLAND, OR 97214
Phone: (503) 996-4782
Email: dwood@hiconline.com

CONTRACTOR SHALL VERIFY THAT ALL WORK IS DONE IN ACCORDANCE WITH THE PERMITS AND SPECIFICATIONS. SPECIAL CHARGES ARE VALID ONLY WHEN APPROVED BY THE ENGINEER AND SPECIFICALLY NOTED ON THE PERMIT. ANY CHANGES TO THE PERMIT MUST BE APPROVED BY THE ENGINEER. ANY VIOLATIONS OF THE PERMIT WILL BE PENALIZED BY THE BUILDING DEPARTMENT. THE BUILDING DEPARTMENT WILL NOT BE RESPONSIBLE FOR ANY DAMAGES OR LOSSES INCURRED BY THE CONTRACTOR.

LATIN QUARTER APARTMENT'S
111-121 SE 30TH AVE
PORTLAND, OR 97214

ROOF FRAMING PLAN

REVISIONS:

1 9.6.12

DATE: 4.23.12

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

DRAWN: JFG

JOB NO: ADW-12-01

S1.1

1

Revision Set
09.05.12

Adam Woodward
503.819.9838

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

6

