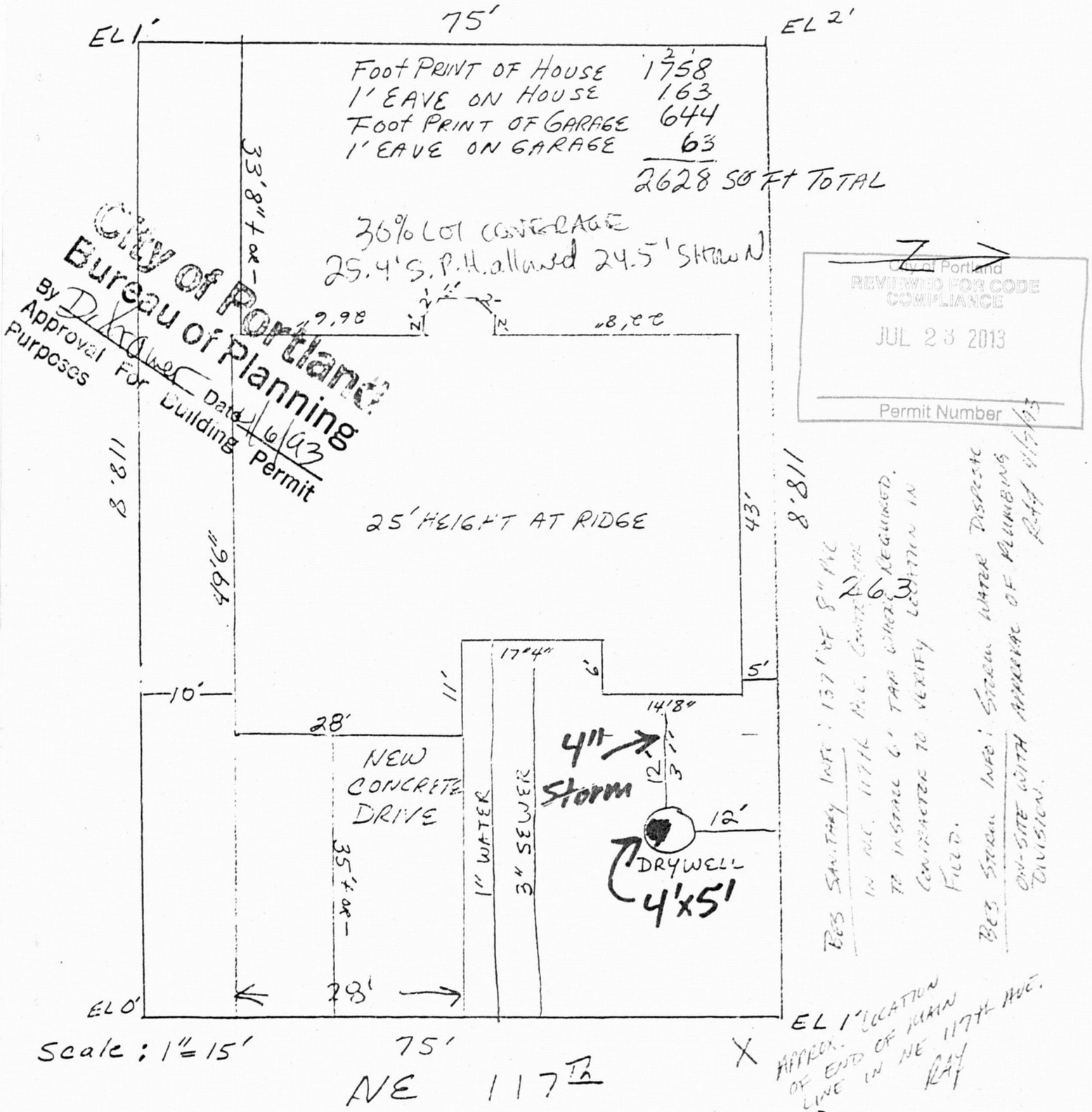


OWNER:
G.W. Coffman / Bill Crowe
P.O. Box 30211
Portland Ore 97230
503-255-4954
253-1550

LEGAL DISCRIPTION:
Parcel 1 - Portion of Lot 10, "Casmur Acres" Situated in the S.E. 1/4 Section 27 T. 1N., R. 2E., W.M. City of Portland

CITY OF
PORTLAND, OREGON
BUREAU OF DEVELOPMENT SERVICES
1900 SW 4th Ave., Suite 5000
Portland, OR 97201

MULTNOMAH COUNTY

RESIDENTIAL 1 & 2 FAMILY PERMIT — 99-052241-REV-02-RS

Site Address: 2421 NE 117TH AVE — **Issued:** 1/12/07
93-102340

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	New Construction	R3	VN

Project Description: REVISION OF 24198 - CONVERTING 3 ATTIC AREAS TO HEATED SPACE FOR BEDROOM AND STORAGE. STRUCTURAL CHANGES TO REFLECT AS BUILT. NEW WINDOWS, SKYLIGHTS. REMOVING WALL TO LOOK DOWN INTO FAMILY RM BELOW; REMOVE INTERIOR WALLS ON

APPLICANT	BILL CROMB	Phone
PROPERTY OWNER	QUIN COCHRAN & BILL CROMB	Phone
CONTRACTOR	COMER CONSTRUCTION "MARGARET A COMER"	Phone

Project Details

Final Permit Valuation	20000
SI-Anchors - Adhesive	Yes
Valuation at Issuance	20000

Project Details

Number of Stories	2
SI-Anchors - Expansion	Yes

PAID
2007
CITY OF PORTLAND

This permit expires if, at any time, 180 days pass without an approved inspection. If you are not able to obtain an inspection approval within 180 days, you may request a one-time only extension of 180 days by calling 503-823-7388.

BEFORE YOU DIG — ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

CITY CONTACT — Phone: — E-Mail: — Fax: (503) 823-4172

INSPECTION REQUEST PHONE NUMBERS — Building/Trade Inspections - Call Before 6:00 AM: (503) 823-7000
TDD: (503) 823-6868
IVR Inspection Request Number: 529063

24X

MAR 0 9 2007 MICROFILMED

CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES
Special Inspections • 1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds/

Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions – This Checksheet must be fully completed to obtain your permits

⇒ Parts D and E must be completed by the Owner, Architect or Engineer acting as the owner's agent.

When complete, return to Document Services, attn: Special Inspections, or fax to (503) 823-4172.

Application # 99-052241-REV-02-RS — **Date:** January 11, 2007
Project Name: 93-102340
Site Address: 2421 NE 117TH AVE
Architect of Record (Firm) — **Phone #**
Engineer of Record (Firm) Don Sherman — **Phone #** 230-8876

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

☐ Steel Construction	☐ Concrete Construction	☒ Anchors – Adhesive	☐ Wood Construction
☐ Curtainwall	☐ Prestressed Concrete	☐ Anchors – Cast-in-place	☐ Masonry
☐ Structural Silicone Glazing	☐ Shotcrete	☒ Anchors – Expansion	☐ Cold Formed Steel Framing
Special Cases:	☐	☐	☐

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

☐ Seismic Force Resist. System	☐ Storage Racks	☐ Access Floors	☐ Suspended Ceilings
☐ Mechanical Components	☐ Electrical Components	☐ Cladding	☐ Veneer
☐ Nonbearing Walls	☐ Seismic Isolation System		
Special Cases:	☐	☐	☐

C. STRUCTURAL OBSERVATION
☐ Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)
Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

☒ Carlson Testing (503) 684-3460	☐ Northwest Geotech (503) 682-1880	☐ PSI (503) 289-1778
☐ Mayes Testing, Inc. (503) 281-7515	☐ Clair Company (800) 393-6355	☐ Krazan & Assoc. (425) 485-5519
☐ ACS (503) 443-3799	☐ Kleinfelder (503) 644-9447	☐ Other:

E. SIGNATURE (To be completed by the applicant.)
The owner hereby agrees to employ the special inspector, special inspection agency and/or engineer for the above noted special inspections and/or structural observations. *(Contractors are NOT authorized to sign for the Owner.)*

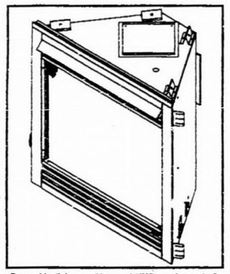
Signature of Owner or the Architect or Engineer acting as the Owner's Agent — Date 1-12-07
Print Name David Schriatoff — Phone 503-927-2032
Firm — Plans Examiner: Jed Sampson

APPLICANT – COMPLETE PARTS D & E

GAS-FIRED
c UL us
LISTED

heatilator
The first name in fireplaces
Hearth & Home Technologies Inc.
1915 W. Saunders Street
Mt. Pleasant, Iowa 52641
www.heatilator.com

INSTALLATION & OPERATING INSTRUCTIONS
NOVUS SERIES
DIRECT VENT GAS APPLIANCE
ND3630/3933/4236/4842



For residential use - Meets all HUD requirements for manufactured housing installations.

WARNING

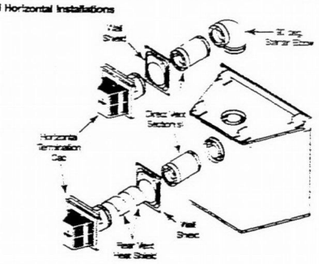
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- What to do if you smell gas
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

CAUTION:
Do not expose the appliance to the elements (such as rain, etc.).

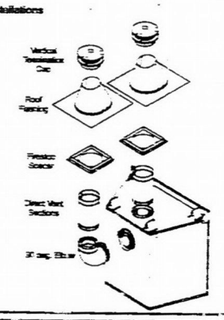
Note: An arrow (→) found in the text signifies change in content.

NOVUS DIRECT VENT INSTALLATION INSTRUCTIONS — heatilator

5. Typical Horizontal Installations



6. Typical Vertical Installations



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RS. 99. 052241 REV. 02.

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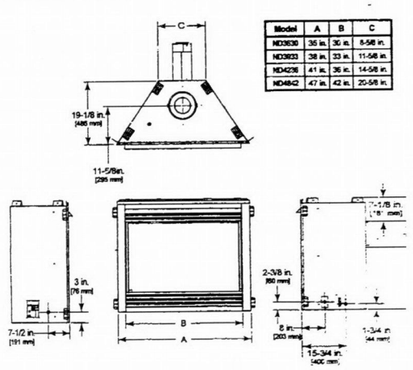
heatilator — The first name in fireplaces — NOVUS DIRECT VENT INSTALLATION INSTRUC

B. LOCATIONS AND CLEARANCES

1. Appliance Dimensions

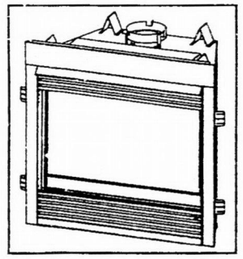


Model	A	B	C
ND3630	35 in.	30 in.	8-5/8 in.
ND3933	38 in.	33 in.	11-5/8 in.
ND4236	41 in.	36 in.	14-5/8 in.
ND4842	47 in.	42 in.	20-5/8 in.

GAS-FIRED
c UL us
LISTED

heatilator
The first name in fireplaces
Hearth & Home Technologies Inc.
1915 W. Saunders Street
Mt. Pleasant, Iowa 52641
Division, HON INDUSTRIES
www.heatilator.com

INSTALLATION & OPERATING INSTRUCTIONS
CALIBER B-VENT SERIES
GCBC60/80
DECORATIVE GAS APPLIANCE
FOR RESIDENTIAL USE



WARNING

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other gas appliance.
- What to do if you smell gas
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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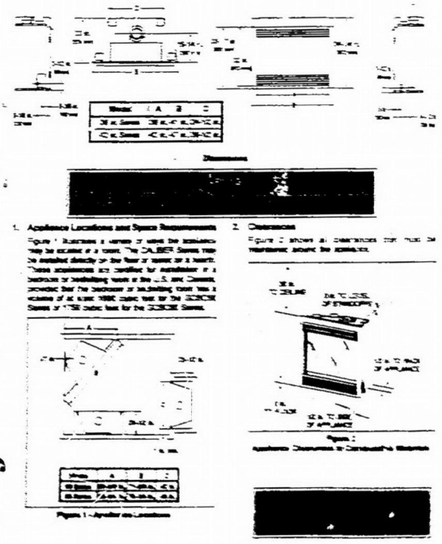
heatilator — The first name in fireplaces — CALIBER B-VENT INSTALLATION INSTRUCTIONS

B. LOCATION AND CLEARANCES



The first name in fireplaces

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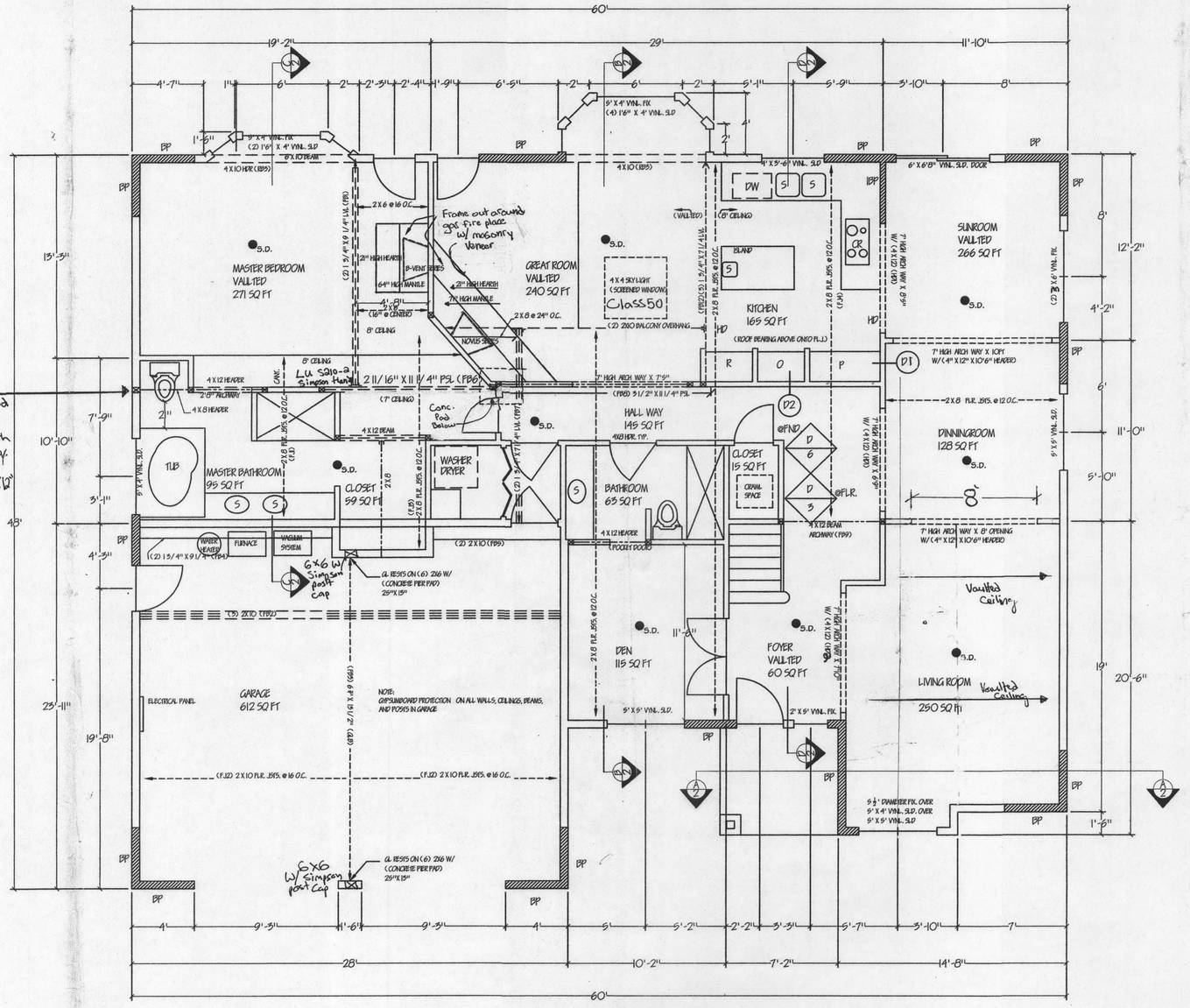
See Attached
8½ x 11 Sheets
for fire places
Novus Series
B-Vent Series

Between the Masterbedroom and Greatroom, this wall is 2½" South offset at doorway. Wall remains to be fully on 6"X12" Beam beneath.



MAIN FLOOR

SCALE: 1/4" = 1'

NORTH

Screen @ Skylights

Capable of Supporting 2x Weight of Glaz'G
Maximum Mesh opening = 1 INCH x 1 INCH

Skylight @ 2nd Floor Closet:
Tempered GLAZ'G Both Panes

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RECEIVED
JUN 03 2013
BDS DOCUMENT SERVICES

City of Portland
JUN 12 2013
Permit Number

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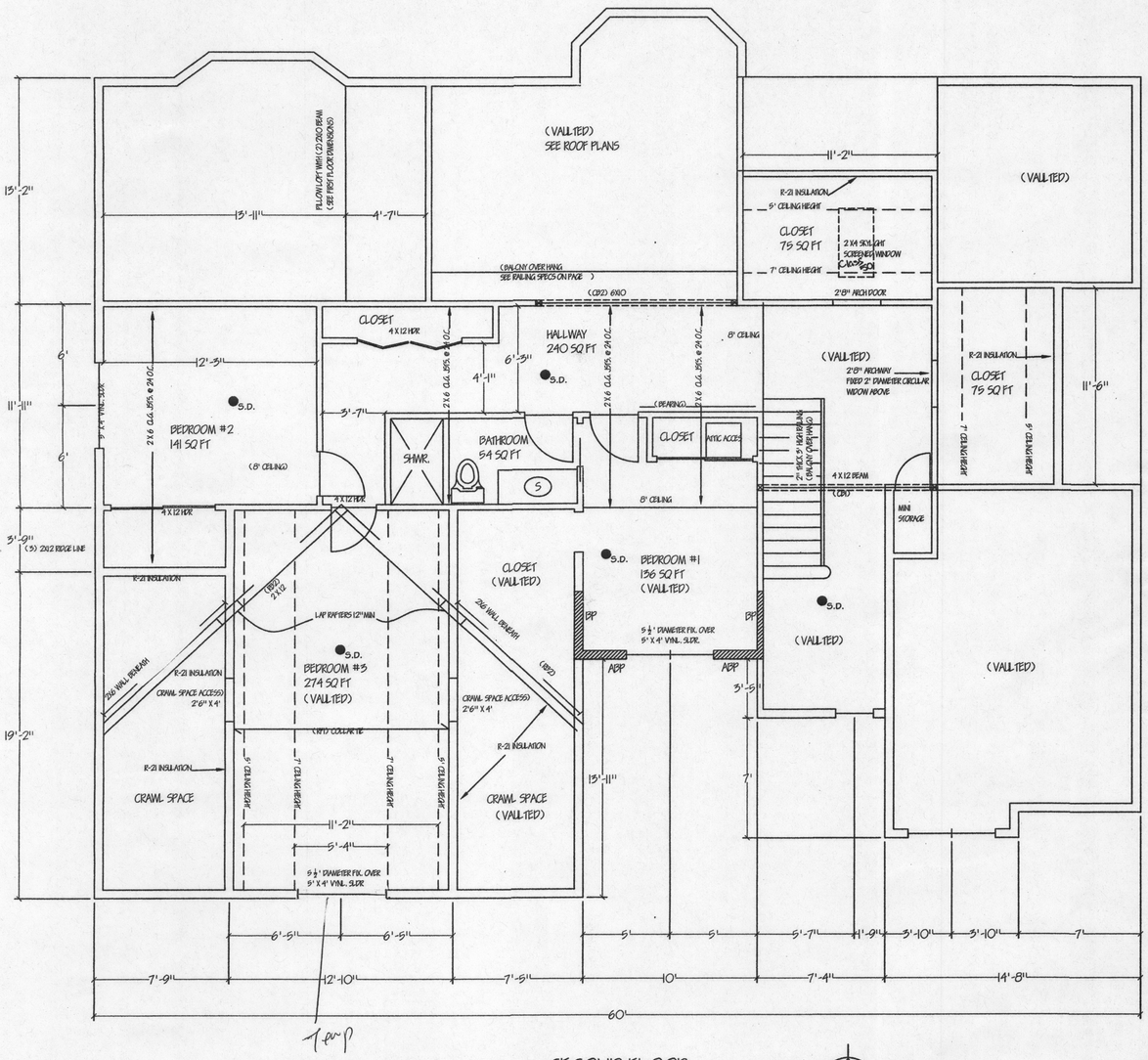
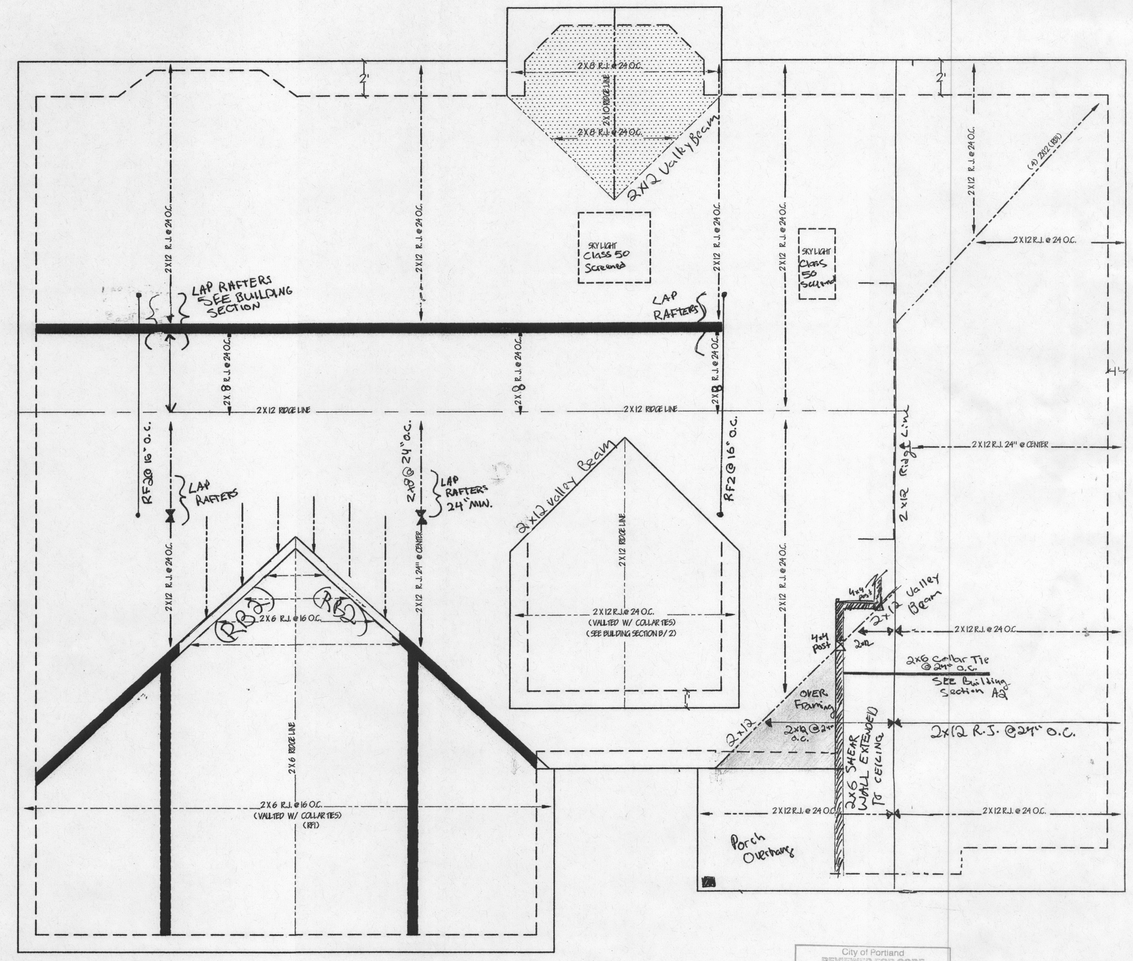
HL REV 02
13-174962-RS
RS-21



SECOND FLOOR

SCALE: 1/4" =1'



ROOF PLAN

SCALE: 1/4" =1'

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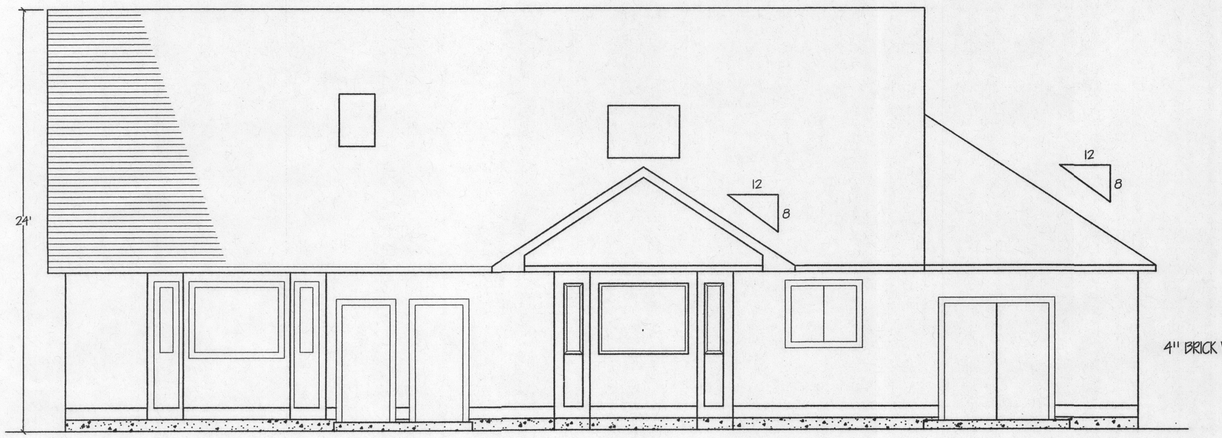
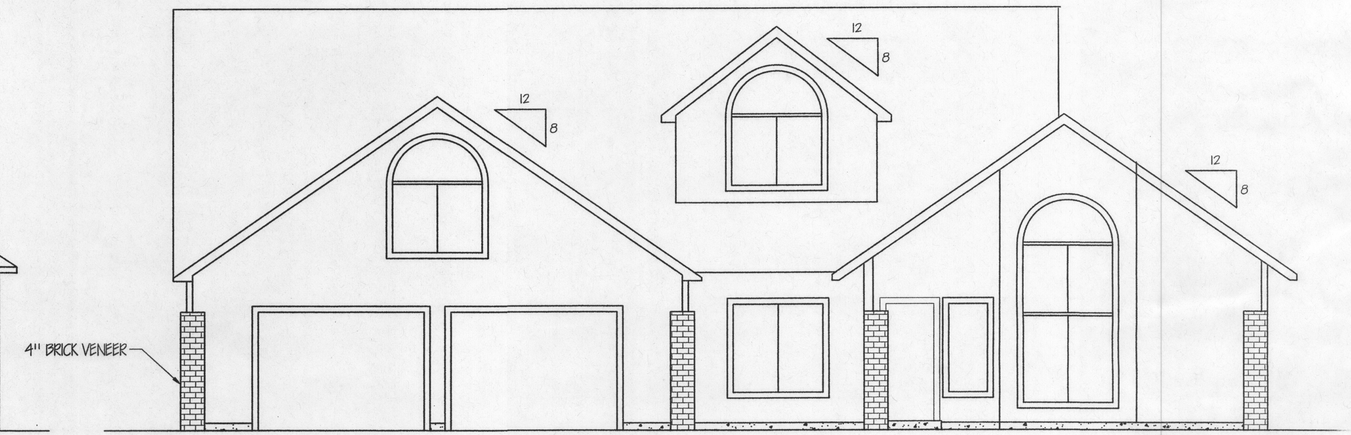


REAR ELEVATION

SCALE: 1/4" =1'



FRONT ELEVATION

SCALE: 1/4" =1'

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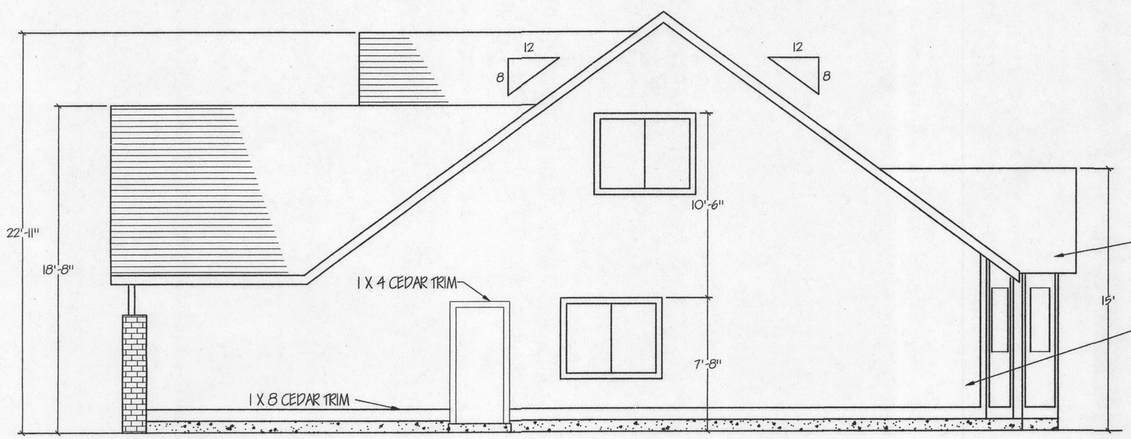
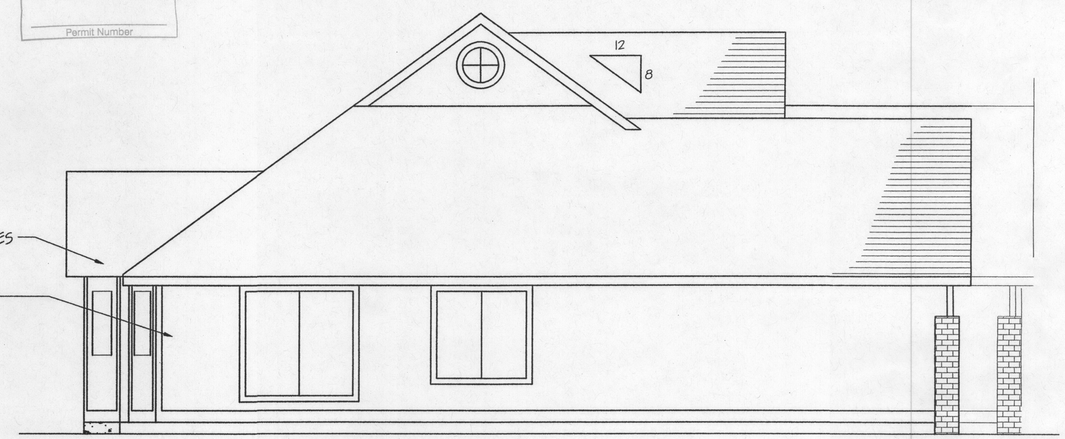


LEFT ELEVATION

SCALE: 1/4" =1'



RIGHT ELEVATION

SCALE: 1/4" =1'

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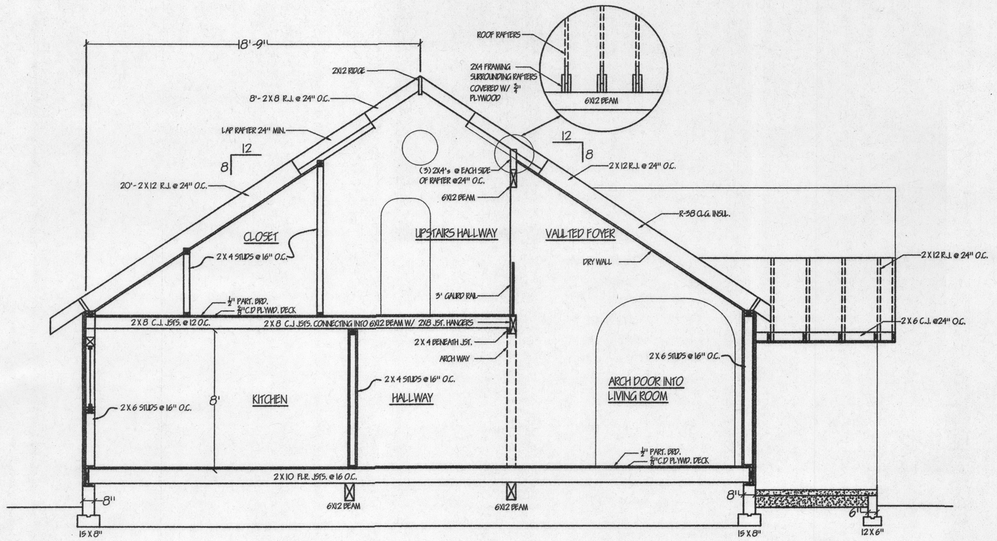
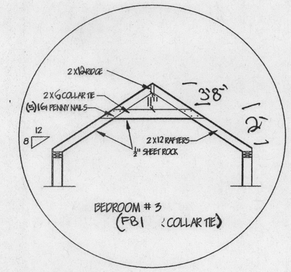
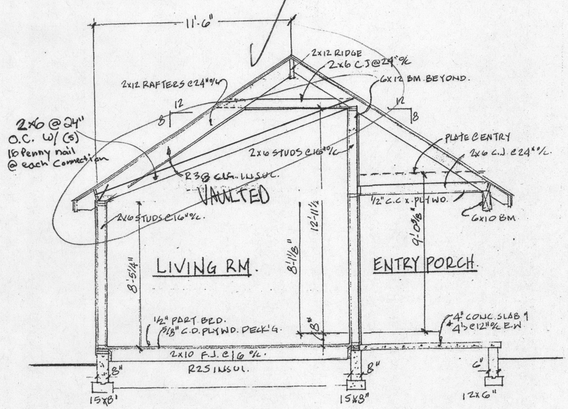


BUILDING SECTION D/2

SCALE: 1/4" = 1'

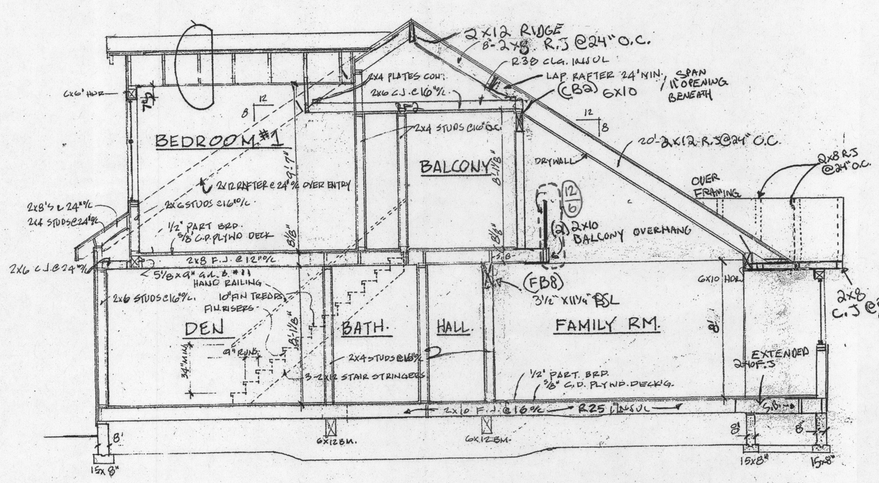


BEDROOM # 3
(FB1 : COLLAR TIE)



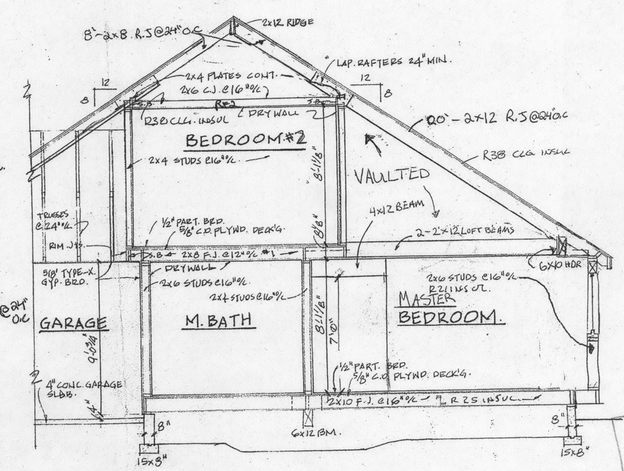
A/2 BUILDING SECTION

1/4" = 1'-0"



B/2 BUILDING SECTION

1/4" = 1'-0"



C/2 BUILDING SECTION

1/4" = 1'-0"

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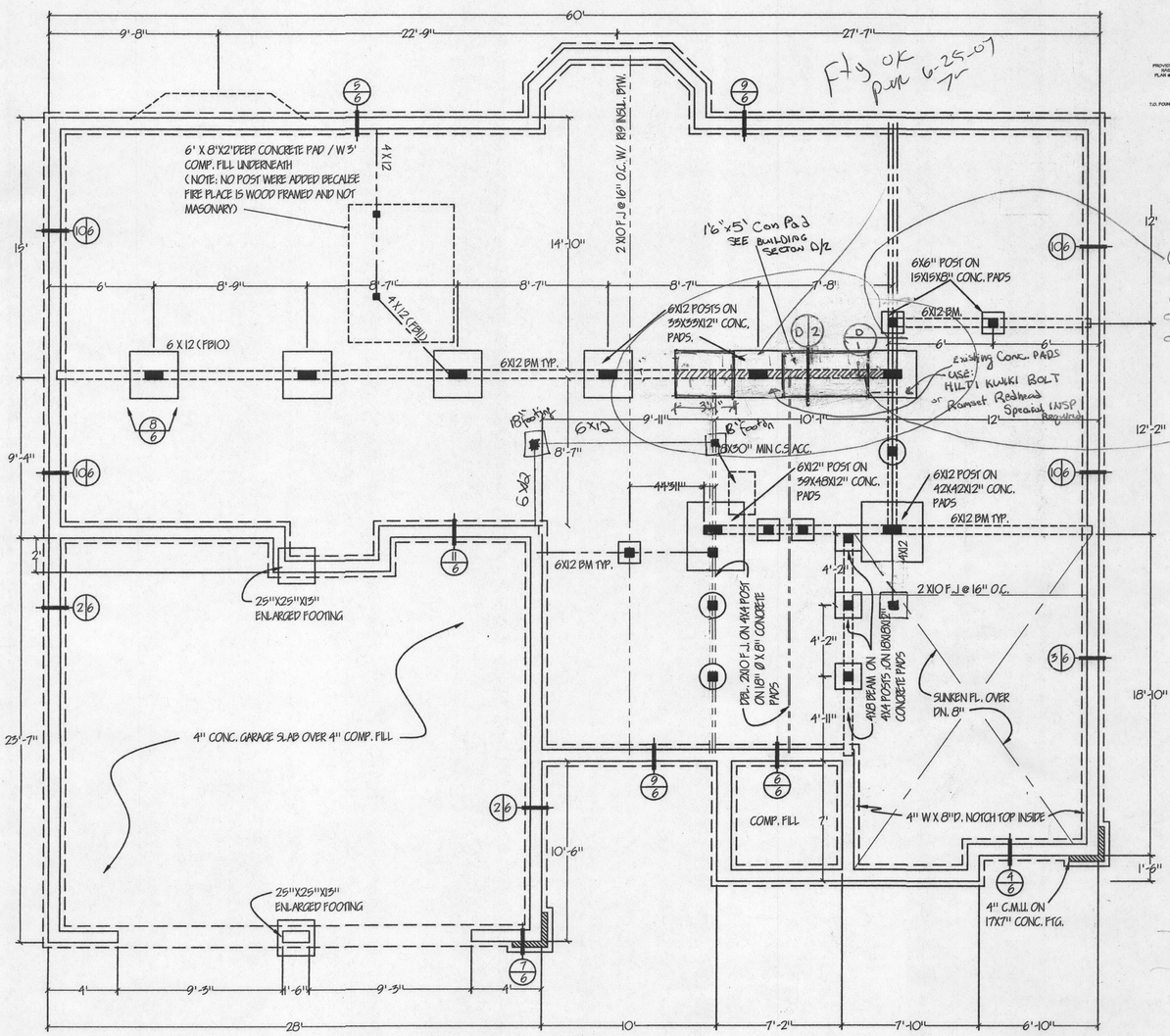
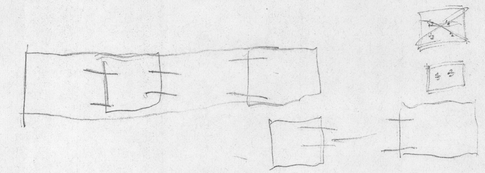
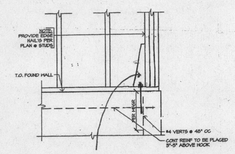


FOUNDATION PLAN

SCALE: 1/4" = 1'





(Applies here only) HDU5-SDS2.5 w/ 5/8" Anchor Bolt 9" Deep. Fill with epoxy tie SET22 (special inspection req.)

Connection between NEW & Existing foundation. #4 x 3'-0" Dowel to match footing. Reinforce w/ epox SET22 18" into existing footing (no special insp. req.)

SHEARWALL SCHEDULE

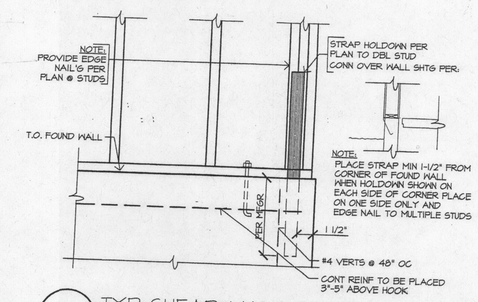
ALL PANEL EDGES MUST BE BLOCKED UNLESS NOTED OTHERWISE

MARK	WALL COVER	FASTENERS	@ PANEL EDGES	INTERM. STUDS	SOLE PLATE CONN (SEE NOTE #3)	RIM BOARD/ BLKG CONN	REMARKS
S	7/16" A.P.A.-RATED SHTG	0.131"~ x 2-1/2" F. RH. P-NAIL	6" O.C.	12" O.C.	16D @ 6" O.C. 1/2"x10" A.B.'S @ 32" O.C.	A35 @ 24" O.C.	8d COMMON @ 6" O.C. SUITABLE SUBST. FOR 0.131"~ F. RH. P-NAIL
A	1/2" GYP.B. EACH SIDE	5d WALLBD. NAIL or 2" #7 #6 SCREW	4" O.C.	4" O.C.	16D @ 6" O.C. 1/2"x10" A.B.'S @ 36" O.C.	A35 @ 36" O.C.	NAILING APPLIES TO EACH SIDE OF WALL. (EDGE BLKG IS REQUIRED)
B	1/2" GYP.B. EACH SIDE	5d WALLBD. NAIL or 2" #7 #6 SCREW	7" O.C.	7" O.C.	16D @ 8" O.C. 1/2"x10" A.B.'S @ 32" O.C.	A35 @ 48" O.C.	NAILING APPLIES TO EACH SIDE OF WALL. (EDGE BLKG IS NOT REQUIRED)
C	7/16" A.P.A.-RATED SHTG	0.131"x2 1/2" FULL ROUND-HEAD P-NAIL	4" O.C.	12" O.C.	16D @ 4" O.C. 1/2"x12" A.B.'S @ 24" O.C.	A35 @ 18" O.C.	8d COMMON NAIL OK SUBSTITUTE FOR ANY 0.131"~ (16 GA.) P-NAIL
D	7/16" A.P.A.-RATED SHTG	0.131"x2-1/2" FULL ROUND-HEAD P-NAIL	3" O.C.	12" O.C.	20d @ 3" O.C. 1/2"x12" A.B.'S @ 24" O.C.	A35 @ 12" O.C.	3x REQUIRED @ ALL PANEL JOINTS & DBL. 2X SOLE PLATE
E	7/16" A.P.A.-RATED SHTG	0.131"x2-1/2" FULL ROUND-HEAD P-NAIL	2" O.C. STAGRD.	12" O.C.	20d @ 3" O.C. 3/4"x12" A.B.'S @ 24" O.C.	A35 @ 10" O.C.	3x REQUIRED @ ALL PANEL JOINTS & SOLE PLATES
F	7/16" A.P.A. RATED SHTG EACH SIDE	0.131"x2-1/2" FULL ROUND-HEAD P-NAIL	4" O.C. STAGRD.	12" O.C.	A35 @ 3" O.C. 3/4"x12" A.B.'S @ 24" O.C.	A35 @ 8" O.C.	3x REQUIRED @ ALL PANEL JNTS & SOLE PL. - OFFSET JOINTS EA. SIDE OF WALL
G	7/16" A.P.A. RATED SHTG EACH SIDE	0.131"x2-1/2" FULL ROUND-HEAD P-NAIL	3" O.C. STAGRD.	12" O.C.	A35 @ 4" O.C. 3/4"x12" A.B.'S @ 18" O.C.	A35 @ 6" O.C.	3x REQUIRED @ ALL PANEL JOINTS & SOLE PLATES OFFSET JOINTS EA. SIDE OF WALL
H	7/16" A.P.A. RATED SHTG EACH SIDE	0.131"x2-1/2" FULL ROUND-HEAD P-NAIL	2" O.C. STAGRD.	12" O.C.	A35 @ 3" O.C. 3/4"x12" A.B.'S @ 12" O.C.	A35 @ 4" O.C.	3x REQUIRED @ ALL PANEL JOINTS & SOLE PLATES OFFSET JOINTS EA. SIDE OF WALL

HOLDOWN SCHEDULE

MARK	HOLDOWN	FASTENERS	MARK	HOLDOWN	FASTENERS
0	NO SPECIAL HOLDOWN REQUIRED	CONNECT BTM. PL TO FLR JST/BM/BLK'G W/ 16d @ 4" O.C.	6	"STHD14"	(38) 16d SINKERS
1	MSTA36	(13) 10d COMMON NAILS AT EACH END @ 1 3/4" O.C. STAGG	7	"HTT22"	(32) 16d SINKERS & SIMPSON SSTB24 ANCHOR BOLT
2	MSTB7	(11) 16d COMMON NAILS AT EACH END @ 1 3/4" O.C. STAGG	8	"HDBA"	(3) 7/8" A307 BOLTS & SIMPSON SSTB28 ANCHOR BOLT
3	MST48	(17) 16d COMMON NAILS AT EACH END @ 1 3/4" O.C. STAGG	9	"HDIOA"	(4) 7/8" A307 BOLTS & SIMPSON SSTB34 ANCHOR BOLT
4	"MST60"	(24) 16d COMMON NAILS AT EACH END @ 1 3/4" O.C.	10	"HDI5"	(5) 1" DIA. THRD ROD 6x6 POST REQ'D & SIMPSON SSTB36 ANCHOR BOLT
5	"CMSTI2"	(44) 16d COMMON NAILS AT EACH END @ 1 3/4" O.C.	T5	"T522"	(4) 16D EACH END

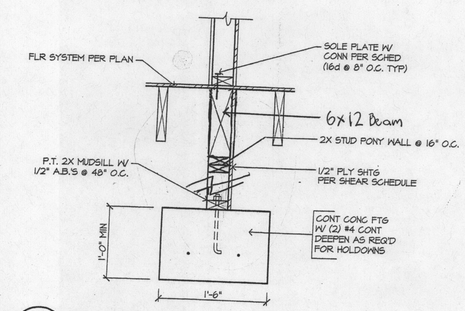
NOTES:
1. USE MIN. 6X STUD EA. END SHEAR PANEL FOR HOLDOWN
2. BUILDER TO VERIFY ALL INSTALLATION REQUIREMENTS PER "SIMPSON" CATALOG FOR ALL HOLDOWN CONNECTIONS.
3. 2"x2"x3/16" PLATE WASHERS ARE REQUIRED AT ANCHOR BOLTS TO 2x MUDSILL PLATE



D1 TYP SHEAR WALL STRAP HOLDOWN

HLDSTHD10

SCALE: 1" = 1'-0"



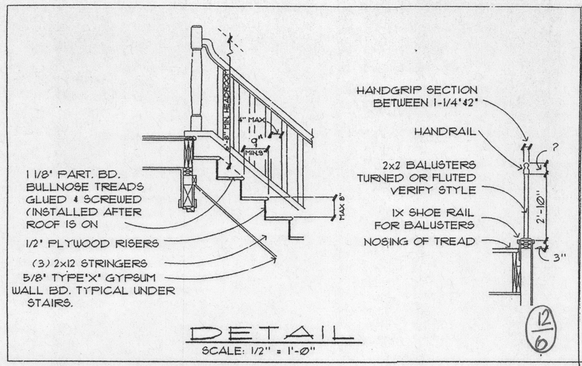
D2 WALL/PONY WALL/HOLDOWN

HLDS3B3

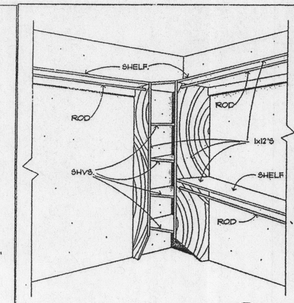
SCALE: 1" = 1'-0"

City of Portland REVIEWED FOR CODE COMPLIANCE JUL 23 2013 Permit Number

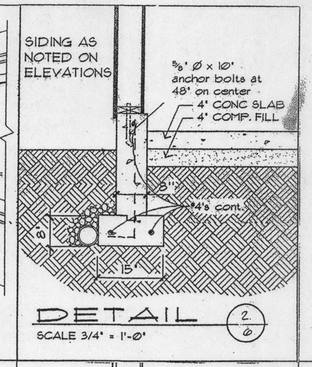
City of Portland REVIEWED FOR CODE COMPLIANCE JAN 12 2007 Permit Number



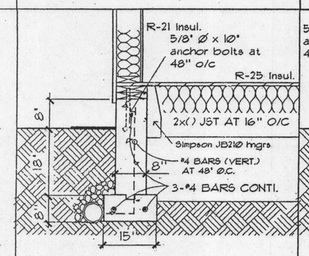
DETAIL
SCALE: 1/2" = 1'-0"



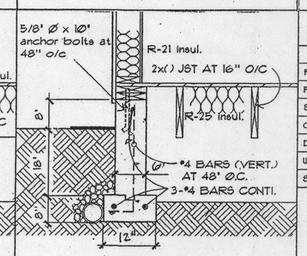
DETAIL 1/6
N.T.S.



DETAIL 2/6
SCALE 3/4" = 1'-0"



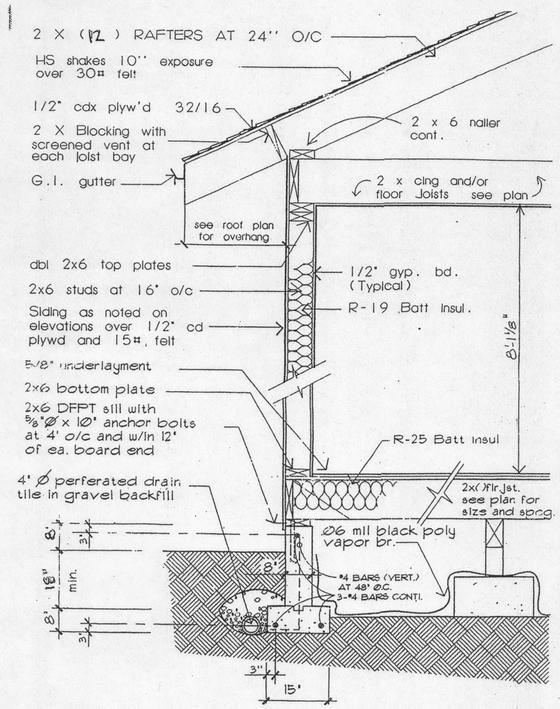
DETAIL 3/6
SCALE 3/4" = 1'-0"



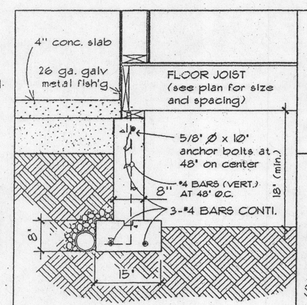
DETAIL 4/6
SCALE 3/4" = 1'-0"

DESIGN LOADS
(VERIFY WITH LOCAL BUILDING OFFICIALS)

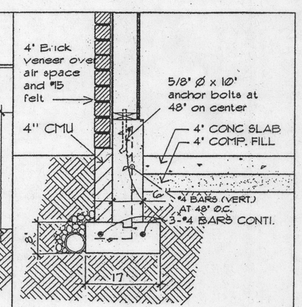
	LIVE LOAD	DEAD LOAD
ROOF	25 psf	20 psf
FLOORS	40 psf	20 psf
STAIRS	100 psf	20 psf
GARAGE FLOORS	50 psf	55 psf
DECKS	60 psf	15 psf
WIND LOADS	80mph EXPOSURE "B"	
SEISMIC	ZONE III	



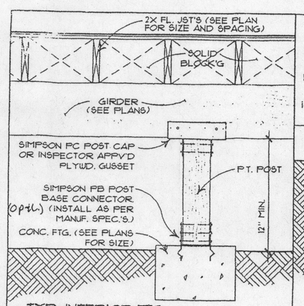
TYPICAL WALL SECTION 5/6
scale 3/4" = 1'-0"



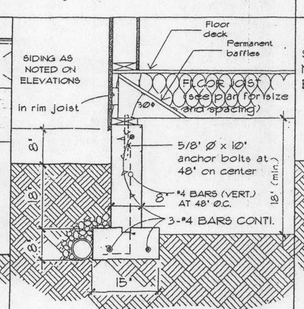
DETAIL 6/6
SCALE 3/4" = 1'-0"



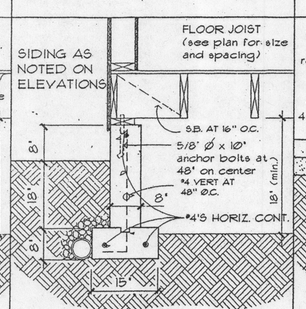
DETAIL 7/6
SCALE 3/4" = 1'-0"



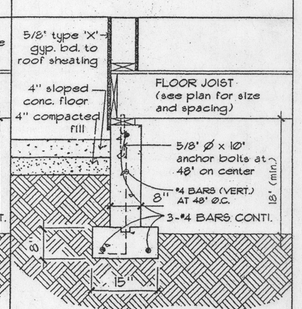
TYP. INTERIOR FTG.
DETAIL 8/6
SCALE 3/4" = 1'-0"



DETAIL 9/6
SCALE 3/4" = 1'-0"



DETAIL 10/6
SCALE 3/4" = 1'-0"



DETAIL 11/6
SCALE 3/4" = 1'-0"

GENERAL NOTES ..

FOUNDATION

1. FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL WITH MIN DEPTH BELOW FINAL GRADE OF 1'-6" FOR ONE AND TWO STORY AND 2'-0" FOR THREE STORY, UNLESS SHOWN OTHERWISE.
2. FOUNDATION SIZES ARE BASED ON A MINIMUM TOTAL BEARING CAPACITY OF 1500 PSF (ASSUMED)
3. DO NOT EXCAVATE CLOSER THAN 1 1/2 TO 2 SLOPE BELOW FOOTINGS.

CONCRETE

1. ALL CONCRETE USED AT EXTERIOR STEPS, PORCHES, OR CARPORTS SHALL BE 3500 PSI WITH 5-7% AIR ENTRAINMENT. ALL VERTICAL CONCRETE EXPOSED TO WEATHER SHALL BE 3500 PSI WITH 5-7% OF VOLUME AIR ENTRAINED. ALL OTHER CONCRETE EXPOSED TO FREEZE/THAW WEATHER CONDITIONS SHALL BE 2500 PSI WITH 5-7% AIR ENTRAINMENT.
2. CONCRETE METHODS, FORMS, AND SHORES SHALL BE IN ACCORDANCE WITH LATEST A.C.I. STANDARDS.

REINFORCING STEEL

1. REINFORCING BARS (WHEN CALLED OUT) SHALL BE DEFORMED BARS CONFORMING TO A.S.T.M. SPECS.
2. ALL WELDED WIRE FABRIC SHALL CONFORM TO CURRENT A.S.T.M. SPECS.

WOOD

1. ALL SAWN LUMBER SHALL BE DOUGLAS FIR LARCH INSTALLED AS REQUIRED ON NAILING SCHEDULE, ON PLANS, DETAILS AND ON SPECIFICATIONS.
2. GRADING SHALL BE IN ACCORDANCE WITH CURRENT WWPA STANDARD GRADING RULES.

POSTS AND BEAMS	GRADE NO. 1	
JOISTS AND RAFTERS	GRADE NO 2	ROOF AND WALL SHTG 1/2" CD PLYWD 32/16
SILLS, PLATES & BLKG	GRADE NO 3	FLOOR UNDERLAYMENT 1/2" PART. BD.
STUDS	DOUG FIR STUD GRADE	GLUE-LAM BEAMS (fb2400) PER A.I.T.C. INDUSTRIAL GRADE WITH DRY-USE ADHESIVE USE ARCH GRADE FOR EXPOSED BEAMS.
FLOORS OVER JOIST	5/8" CD DF PLYWD	

NOTE: SOLID INTERIOR BEAMS VISUALLY EXPOSED SHALL BE "CLEAR" GRADE, FREE OF HEART CENTER

3. PLYWOOD- ALL STRUCTURAL SHEATHING SHALL BE DF PLYWD 32/16 AS INDICATED ON PLANS.

INSULATION

1. ROOFS/ATTICS R-38 WITH VAPOR BARRIER ON WINTER WARM SIDE AT VAULTS
   R-38 WITH VAPOR BARRIER ON WINTER WARM SIDE AT ATTIC SPACES
2. WALLS R-21 (AT EXTERIOR & GARAGE COMMON WALL) WITH VAPOR BARRIER
3. CONCRETE SLAB ON GRADE R-11 TO 12" BELOW EXTERIOR GRADE

MISCELLANEOUS

1. EACH SLEEPING ROOM TO HAVE AT LEAST ONE EGRESSABLE WINDOW WITH A MIN NET WIDTH OF 20" AND A MIN. NET HEIGHT OF 24", HOWEVER THE COMBINED (L X W) SHALL BE A MIN. NET OPENING OF 5.7 SQ. FT. MAX. SILL HEIGHT SHALL BE 44" FROM FINISHED FLOOR.
2. PROVIDE OUTSIDE COMBUSTION AIR TO ALL FIREPLACES AND STOVES.
3. ALL TUB AND SHOWERS TO HAVE 1/2" WATERPROOF GYP. BD. AT WALLS AND A HARD MOISURE RESISTANT SURFACE TO A HEIGHT OF 6'0"
4. EXHAUST ALL FANS, RANGES, AND CLOTHES DRYERS DIRECTLY TO OUTSIDE AIR
   PROVIDE 50 CFM EXHAUST FAN AT ALL TOILET/BATH ROOMS, 15 CFM EXHAUST FAN AT LAUNDRY ROOMS. UNDERCUT DOORS TO LAUNDRY OR BATHROOMS BY 3/4" OR PROVIDE LOUVERED DOORS TO ALLOW MAKEUP AIR.
5. ALL WINDOWS AND EXTERIOR GLAZED DOORS SHALL BE GLAZED WITH DUAL PANED INSULATED GLASS AND TEMPERED WHERE SUBJECT TO HUMAN IMPACT.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS WITH PLANS AND REPORTING ANY DISCREPANCIES TO SUNRIDGE DESIGN BEFORE STARTING WORK
7. THIS STRUCTURE SHALL BE ADEQUATELY BRACED FOR WIND LOADS UNTIL THE ROOF AND WALLS HAVE BEEN PERMANENTLY ATTATCHED TOGETHER AND SHEATHED
8. ALL LUMBER IN PERMANENT CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED WITH A WATER-BORNE PRESERVATIVE.
9. ALL SMOKE DETECTORS CALLED OUT SHALL BE CONNECTED TO HOUSE POWER(HARD-WIRED)
10. ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS SHALL BE CONSIDERED AS PART OF SPECIFICATIONS FOR THIS BUILDING AND SHALL TAKE PREFERENCE OVER ANYTHING SHOWN, DESCRIBED, OR IMPLIED WHERE VARIANCES OCCUR.
11. ANY MODIFICATIONS TO THE DESIGN OR COMPONENTS OF THIS BUILDING MAY AFFECT IT'S STRUCTURAL INTEGRITY AND SHOULD BE REVIEWED BY AN ENGINEER PRIOR TO CONSTRUCTION.
12. ALL EXTERIOR LOAD BEARING HEADERS ARE DF/L #2 6X12 UNLESS NOTED OTHERWISE.

NAILING SCHEDULE

CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOE NAIL	3-8d
2. BRIDGING TO JOIST, TOE NAIL EACH END	2-8d
3. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	2-16d
4. TOP PLATE TO STUD, END NAIL	2-16d
5. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16"OC
6. STUD TO SOLE PLATE	4-8d TOE NAIL OR 2-16d END NAIL
7. DOUBLE STUDS, FACE NAIL	16d AT 16"OC
8. DOUBLE TOP PLATES, FACE NAIL	16d AT 16"OC
9. TOP PLATES, LAP & INTERSECTIONS, FACE NAIL	2-16d
10. CONTINUOUS HEADER, 2 PIECES	16d AT 16"OC ALONG EACH END
11. CEILING JOIST TO PLATE, TOE NAIL	3-8d
12. CEILING JOIST LAPS OVER PARTITIONS, FACE NAIL	3-16d
13. CEILING JOIST TO PARALLEL RAFTERS	3-16d
14. RAFTER TO PLATE, TOE NAIL	3-8d
15. BUILT-UP CORNER STUDS	16d AT 24"OC
16. PLYWOOD SUBFLOOR	8d COMMON AT 6"OC AT EDGE & 10"OC AT INT.
17. PLYWOOD WALL SHEATHING	8d COMMON AT 6"OC AT EDGE & 12"OC AT INT.
18. PLYWOOD ROOF SHEATHING	8d COMMON AT 6" OC AT EDGE & 12"OC AT INT.

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