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Demonstration House Project for :

ST. Vincent De Paul Society

Energy Studies in Buildings Laboratory

Center for Housing Innovation

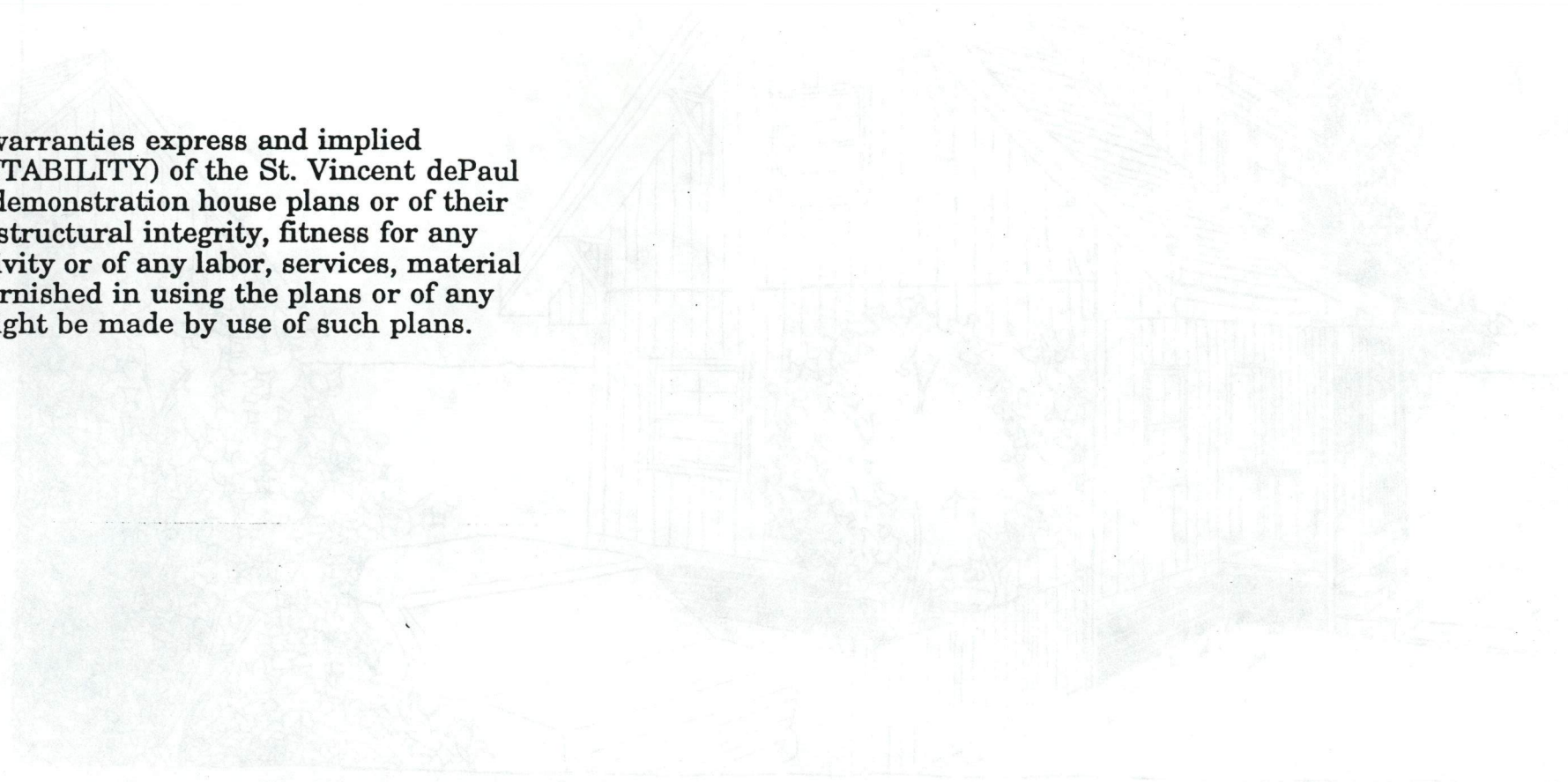
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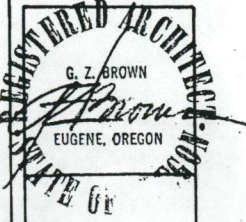
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SSIC Demo Disclaimer

The University of Oregon DISCLAIMS all warranties express and implied (including the WARRANTY OF MERCHANTABILITY) of the St. Vincent dePaul Society stressed skin insulating core panel demonstration house plans or of their adequacy, suitability, completeness, safety, structural integrity, fitness for any particular site or habitation or occupant activity or of any labor, services, material or equipment which might be supplied or furnished in using the plans or of any structure, completed or otherwise, which might be made by use of such plans.



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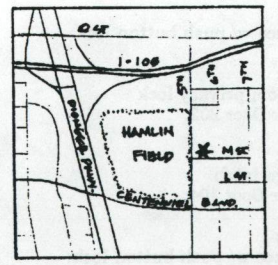
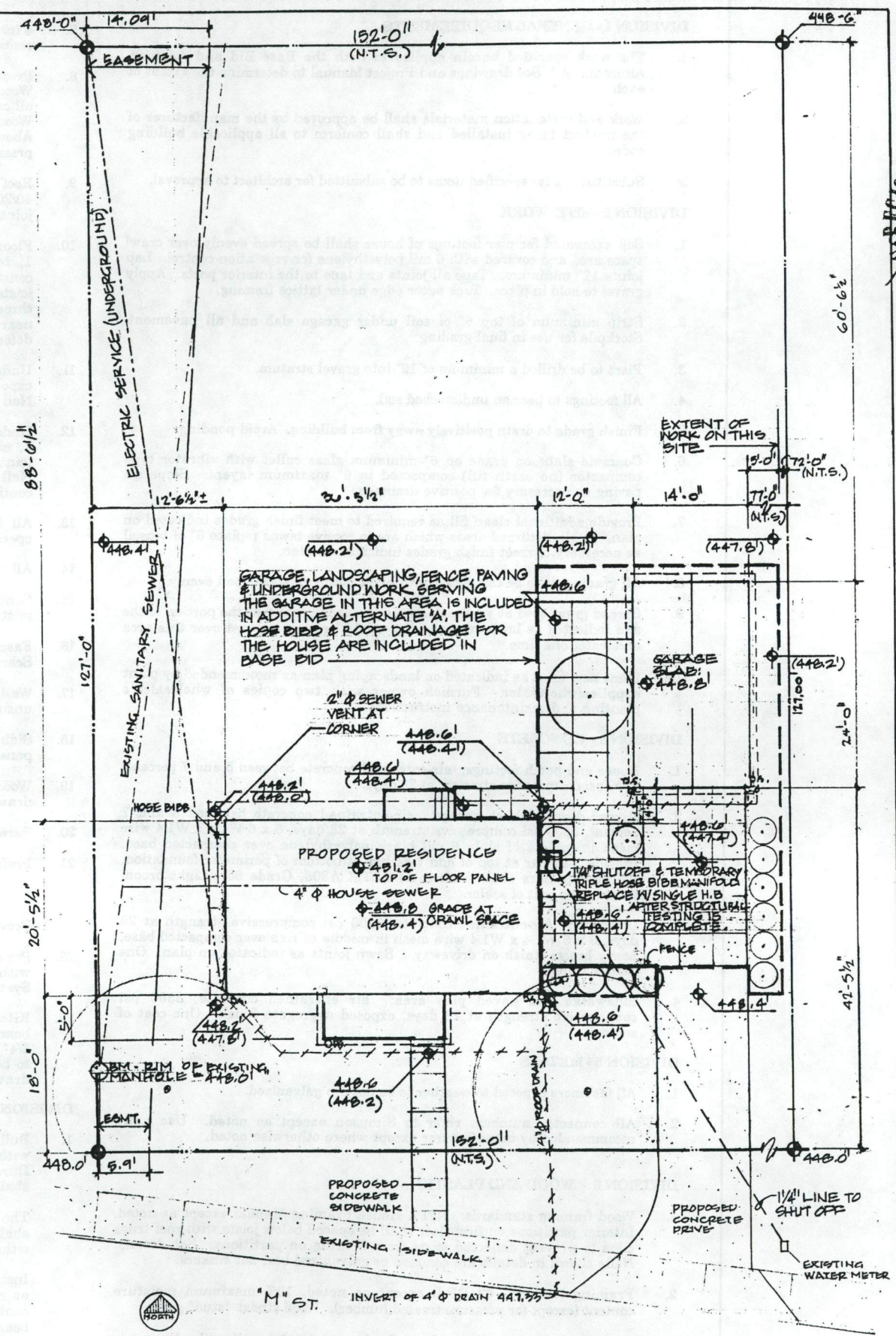


Demonstration House for:
St. Vincent De Paul Society
 Energy Studies in Buildings Laboratory
 Center for Housing Innovation
 University of Oregon (503) 346-5647

General Notes, Site Plan

SHEET

1



VICINITY MAP

ADJACENTOR'S PARCEL NO.:
 17-03-26-34-400, LOT # 3
 OWNER: ST. VINCENT DE PAUL SOC.
 705 S. GENECA RD., EUGENE, OR 97402
 683-8295

SITE PLAN - SEE SHT. L1 FOR PAVING, LANDSCAPING, FENCE, ETC.

448.0' NEW GRADE
 (447.0') EXIST. GRADE
 (CONTR. TO FIELD VERIFY)

DIVISION 1 - GENERAL REQUIREMENTS:

1. The work specified herein applies to both the Base Bid and Additive Alternate "A." See drawings and Project Manual to determine the extent of each.
2. Work and installation materials shall be approved by the manufacturer of the product being installed and shall conform to all applicable building codes.
3. Substitutions for specified items to be submitted for architect to approval.

DIVISION 2 - SITE WORK

1. Soil excavated for pier footings of house shall be spread evenly over crawl space area and covered with 6 mil polyethylene for vegetation control. Lap joints 12" minimum. Tape all joints and tape to the interior posts. Apply gravel to hold in place. Tuck outer edge under lattice framing.
2. Strip minimum of top 6" of soil under garage slab and all pavement. Stockpile for use in final grading.
3. Piers to be drilled a minimum of 12" into gravel stratum.
4. All footings to bear on undisturbed soil.
5. Finish grade to drain positively away from building. Avoid ponding.
6. Concrete slabs on grade on 6" minimum glass cullet with vibrator type compactor (no earth fill) compacted in 6" maximum layers. Slope all paving as necessary for positive drainage.
7. Provide additional clean fill as required to meet finish grades indicated on plan. In all disturbed areas which are to receive lawns replace 6" of topsoil as necessary to meet finish grades indicated on plan.
8. All grading is to be completed with hand raking to spread soil evenly.
9. Spread grass seed at wholesaler's recommended rate over the portion of the site indicated as lawn on plan. Spread 1/2" rotten sawdust over this area and water one time.
10. Plant new trees as indicated on landscaping plan as recommended by plant supplier/wholesaler. Furnish owner with two copies of wholesaler's planting and maintenance instructions.

DIVISION 3 - CONCRETE

1. House and porch footings: air-entrained concrete between 5 and 7 percent, 3000 psi compressive strength at 28 days.
2. Turned-down slab at garage: air-entrained concrete between 5 and 7 percent, 3500 psi compressive strength at 28 days, 6 x 6 W1.4 x W1.4 wire mesh in middle of slab, 6 mil black polyethylene over compacted base. Provide 1-#4 bar at top of and 1-#4 bar at bottom of perimeter foundation. Reinforcing bars shall conform to ASTM A305, Grade 60. Light broom finish. One coat of sealer.
3. Driveway: Air-entrained concrete, 3500 psi compressive strength at 28 days, 6 x 6 W1.4 x W1.4 wire mesh in middle of slab over compacted base, heavy broom finish on driveway. Sawn joints as indicated on plan. One coat of sealer.
4. Sidewalks and paved play area: air entrained concrete, 3500 psi compressive strength at 28 days, exposed aggregate finish. One coat of sealer.

DIVISION 5 - METALS

1. All fasteners exposed to weather to be hot-dip galvanized.
2. All connector numbers refer to Simpson except as noted. Use nails recommended by manufacturer except where otherwise noted.

DIVISION 6 - WOOD AND PLASTIC

1. Wood framing standards: NFPA House Framing Manual except as noted. Interior partitions on first floor shall be spaced below joists with roof truss clips to prevent deflected joists from bearing on partitions. See details. Nails shown in details are common or galvanized box; not sinkers.
2. Framing lumber: #2 DF-L except as noted, 19% maximum moisture content (except for pressure treated lumber). Wood studs: "stud" grade.
3. 2x10 stringers in main roof panel adjacent to stairwell and adjacent to skylight openings: #1 DF-L.
4. 4x6 posts embedded in concrete: select structural DF-L.
5. Flat 2x6 and 2x4 glued and screwed to bottom of first floor panels (interior bays only): select structural DF-L. Splice 2x6 over posts.
6. Exposed framing members selected for appearance for paint finish.

7. 4 inch thick framing members (4x4, 4x6, 4x8, & 4x12) shall be free of heart center.
8. Preservative treatment with waterborne salts: Wood partially embedded in concrete: AWPB FDN, .60 pcf retention. Treat all cut or drilled surfaces near or below ground: AWPB M-4. Wood in contact with concrete: AWPB LP-22, .40 pcf retention. Above ground wood in decks and porch construction (below 4x8 beam): pressure treated, "Sunwood," Wolmanized, or equal without incisions.
9. Roof sheathing for garage, porch, and end wall overhangs: 5/8" OSB rated 40/20. Nail with #8 nails 6" o.c. at edges and 10" o.c. intermediate. Stagger joints.
10. Floor sheathing for second floor: 3/4" OSB, 40/20 or 3/4" plywood, exposure 1, touch sanded, 40/20, glued and nailed. Use continuous bead of construction adhesive along joists and two beads at end of panels spliced on joists. Nail 6" o.c. at edges, 10" o.c. field. Decrease nail spacing to 4" at the three joists nearest each end of building. Add 2 nails at edge of sheathing near end of joists at overhang. Triple nail around stairwell. Nails: 8d deformed shank.
11. Underlayment for second floor: 3/8" underlayment plywood, sanded, exposure 1. Lay in same direction as subfloor; stagger joints 16" minimum. Nail with 3d ring shanked nails 6" o.c. all edges, 8" o.c. in field.
12. Underlayment for first floor: 1/2" underlayment plywood, sanded, exposure 1, nailed and glued. Lay panels perpendicular to floor panels; stagger joints. Apply glue as recommended by manufacturer, 16" o.c. minimum. Nail same as 2nd floor. The underlayment on this floor is to be applied continuously over the floor before any interior partitions are framed.
13. All finish interior grade carpentry to be AWI Custom grade except as specified otherwise.
14. All finish exterior carpentry to be AWI Custom grade.
15. Soffits: 5/8" rough sawn "Duratemp"; 8d nails 6" o.c. all edges and on all joists.
16. Fascias: Western Red Cedar "A" grade, surfaced, KD 12%, long lengths. Scarf splices; scarf to weather on rake.
17. Wall skirt: 5/8" rough sawn "Duratemp." Lattice: privacy grade unsurfaced cedar.
18. Siding for garage and side panels of dormer to match siding on house wall panels: 5/8" "Duratemp," RB&B, 8". 8d HD galvanized nails.
19. Wood I joists: 11-7/8" TJI-35/DF or equal with web stiffeners. Provide shop drawings.
20. Parallam beams: 2.0E DF Parallam PSL or equal. Provide shop drawings.
21. Prefabricated wood trusses (garage) designed for following loads:
Snow: 25 psf
Wind: 18 psf
Roofing & sheathing: 7 psf
Provide shop drawings.
22. Pre-manufactured interior partitions: 3-1/2" paper honeycomb core panels with factory-laminated 1/2" gypsum board faces by Super-Struct Building System.
23. Kitchen cabinets and bathroom lavatories: 5/8" melamine-faced particle board to be supplied by owner for drawers, doors and interiors of cabinets. 3/4" wood face frame to be painted to match melamine. Countertop surface to be preformed laminated faced with integral backsplash. Provide shop drawings.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

1. Building panels: R-Control or equivalent. 1 pcf expanded polystyrene core with 7/16" OSB skins ("Structurwood" or equivalent stiffness) except 5/8" Duratemp for outside face of wall as noted. The finished panel thickness shall not vary by more than 1/4" for panels of the same nominal thickness.

The lengths, widths and out of square tolerances of the completed panels shall not be more than one and one half times the tolerance allowed for either panel face.

Installation and connections with nails, construction adhesive, and sealant as recommended by manufacturer except as noted. Provide splines. At contractor's option 14 gage 1-1/2" staples or screws of equal or greater bearing strength may be used instead of nails in concealed locations.

The orientation of the OSB is parallel to the long panel dimension in floors and roof; it is vertical in the walls. For east and west walls below second floor use 3" spacing (instead of 6") for all connections. Reinforce each corner of these two window openings by connecting the 2x8 horizontal framing members to the 2x8 vertical members at panel joints with H2.5 and N10 nails.

2. Wall Panels: exterior face shall be 5/8" "Duratemp" RB&B, 8". Change nail spacing at top, bottom, and at building corners to 3".
3. Roof Panels: Connections at support at second floor shall be with 1-5/8" #8 screws, 6" o.c. maximum spacing and construction adhesive.
4. Flashing: pre-painted 26 gauge galvanized steel.
5. Gutters (4" continuous) and downspouts(2"x3"): pre-painted (white) 26 gage galvanized steel. Gutters to be seamless. Provide basket strainers at each downspout.
6. Roof shingles: Malarkey Roofing Alaskan SBS Modified Polyglass Shingles or approved equal with manufacturer's warranty for installation over stressed-skin insulated panels. Install over 15# asphalt saturated felt. Color to be selected by architect. Leave one unopened bundle with owner. Provide zinc moss control strip at ridge on north side of roof below ridge shingles.
7. Garage roof vent: Air Vent Inc. steep pitch filter vent or equal for ridge.
8. Air infiltration barrier: Tyvek or equal.
9. Batt or blanket insulation: fiberglass; intall with vapor barrier on warm side.
10. Vapor barrier: 4 mil polyethylene.
11. Rigid insulation (at eave): 1" Celotex "Thermax" Insulation Board 610 series with reflective foil face both sides. Cut to force fit in the TJI space. Continuous caulk on all edges.
12. Caulking: Paintable 25-year acrylic latex plus silicone. Apply at all exterior fixed joints and other noted locations to provide water and airtight seal.

DIVISION 8 - DOORS AND WINDOWS

1. Exterior doors at house: R-5 insulated steel or fiberglass, simulated-panel, pre-hung. Sidelight: insulated, tempered, low-E glazing. Exterior swinging door at garage: solid-core wood door with single glass light, pre-hung AWI custom grade.
2. Overhead garage door: Clad wood door by Overhead Doors or equal with glass lights, low headroom hardware, and automatic door opener.
3. Interior doors (including bifold): flush, paint-grade birch, pre-hung except as noted on plans, AWI custom grade.
4. Hardware manufacturers:
a. Locks and latches by Kwikset
b. Butts by Stanley (3 per door)
c. Thresholds and door bottoms by Pemko

Butts for exterior doors: RDF 179 4"
Butts for interior doors: RDF 758 3-1/2"
Stops, except as noted: Flex stop

Type 1:
Entrance w/ push button lock 401P3
Single cylinder deadbolt 660x3
Threshold w/ extender: 85518DV w/ 5EXT3D
Door bottom 216DV
Weatherstripping

Type 2:
Entrance w/ push button lock 401P3

Type 3:
Bathroom privacy lock 300P3
Stop for Door 202: Ives 407, mount on door

Type 4:
Passage latch 200P3
Stop for Door 104: Hinge stop

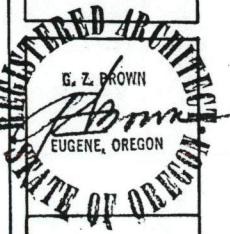
Type 5:
Entrance w/ push button lock: 401P3
Threshold: 170D
Door Bottom: 216DV

Type 6:
Bi-Fold Doors Ball knob US3

5. Keying: Doors 100, 101 and G1 keyed alike; furnish 6 keys total. Door 102 keyed differently; furnish 3 keys.
6. Attic storage access doors: 3/4" birch ply, back-beveled, finished similar to adjacent wall.

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Specifications

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7. Windows: Viking Model 9700 with 1" insulated, low E glazing, argon filled, with flush fin adapters and insect screens. Awning windows to be pole operated. Provide one 3' or 4' pole. Provide egress hardware for single casements. Provide standard hardware for other casements. Install Viscor 3/4" x 3" window wrap (self-adhesive foam gasket) per manufacturer's instructions.
8. Skylights: Crestline, model no. 4630TVGS with step flashing kits, model no. 4630L, pole operated or approved equal. Provide a pole for each skylight. Provide insect screens.
9. Relight glazing: 1/8" single glazed.

DIVISION 9 - FINISHES

1. Gypsum board: 5/8" on first floor ceiling only; 1/2" thick elsewhere. Light texture finish throughout. Gypsum board applied to OSB on exterior walls and second floor ceiling shall have joints staggered from OSB joints 12" minimum. Gypsum board to be water-resistant around tubs; protect joints, cut edges and pipe openings with sealant. Secure all gypsum board with screws. Use metal trim for external corners and exposed edges.
2. Carpet: Atlas, Oxford Place 26 oz., level loop, minimum number of seams. Pad to be 5 lb., 1/2" Rebound foam, FHA approved.
3. Sheet vinyl: Tarkett "Coordinates," .080; 12 ft where required to reduce number of seams.
4. Vinyl base: Flexco 4" cove rubber base, 1/8".
5. Metal edge strips: Naplock.
6. Primers, fillers, adhesives, and cleaners approved by floor manufacturers. Leave floor covering remnants over 5 sf on job site. Flooring and base colors to be selected by architect.
7. Paint: Finish all exterior and interior surfaces unless specifically excepted. Prepare surfaces per manufacturer's instructions. Color schedules to be provided by Architect.

Interior:

All gypsum board surfaces to be primed with Glidden Insul-Aid latex primer. Finish coat to be flat Glidden Spred 2000 except at bathrooms which shall be semi-gloss Glidden Spred 2000. All trim to be primed with latex wood primer and finished with semi-gloss enamel Glidden Spred 2000.

Oak stair landing and treads to be sanded and filled with paste wood filler per manufacturer's instructions. Finish with three coats of Flecto Diamond Varathane gloss finish per manufacturer's instructions.

Parallam at stair opening to be filled, sanded, primed and painted to match adjacent wood trim.

Paint out duct openings visible through grilles and registers. Ductwork, piping, etc. in unfinished areas shall receive no finish.

Exterior:

Walking surfaces of porches to be painted and primed with Glidden Spred Floor Polyurethane Enamel No. 800.

All other wood surfaces to be primed with Glidden Oil/Alkyd No. 3651. Unprimed metal surfaces to be primed with Glid-Guard All Purpose Metal Primer No. 5229. Top coat to be Glidden Spred House Paint, Dura-Satin Finish No. 2900 except doors and all trim which shall be Glidden Spred House Dura-Gloss Finish No. 3900.

Paint lattice prior to installation. All under-floor lumber that is visible within four feet from exterior walls of the house shall also be painted.

8. Closets to be finished similar to adjacent room.
9. Acoustical tile (Room 205): Mineral fissured tile, NRC Range .65 -.75 or greater. USG Acoustone or equal. Apply over gypsum board before installation of mechanical equipment.
10. Garage to have no interior finish except for painted doors and door trim. Color to be selected by Architect.

DIVISION 10 - SPECIALITIES

1. Medicine cabinets: white, with frameless mirrors; flush mounted at first floor; surface mounted at second floor.

DIVISION 11 - EQUIPMENT

1. Washer/dryer, refrigerator and range provided by Owner.
2. Range Hood: by Broan, 190 CFM, 75W bulb, ducted, white.

DIVISION 12 - FURNISHINGS

1. Window blinds: Ovation line by Levolor. Color to be selected by architect.

DIVISION 15 - MECHANICAL

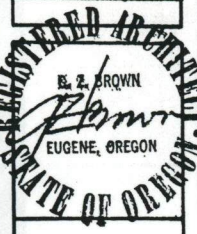
1. House Supply: 1-1/4" galvanized steel supply line from meter to 1-1/4" shutoff in utility box. Install temporary manifold with three 3/4" hose bibbs at location indicated on plan until structural testing is complete; afterward replace with single permanent hose bibb.
2. Fixture Supply: Minimum 1/2" copper, soldered with lead-free solder, galvanic protection at joint to steel supply line, shutoff in utility box at house and stops at all fixtures.
3. Waste: Schedule 40 ABS plastic.
4. Water Heater: To be part of Envirovent HPVAC-80 ventilating heat pump unit by Therma-Stor Products Group. Provide with overflow pan. Install on 2" noncompressible foam bottom board.
5. Interior vent: Studor Mini-Vent air admittance valves per manufacturer's instructions.
Exterior vent: 2" Schedule 40 ABS plastic.
6. Provide R-11 insulation with protective covering at exposed water supply lines and any traps below floor level to prevent freezing. Make airtight seals around supply and waste penetrations through floor.
7. Hose bibbs: Merrill Manufacturing frostproof yard hydrant no. C75015 except three temporary hose bibbs installed for duration of structural testing.
8. HVAC system: Envirovent HPVAC-80 by Therma-Stor Products Group. Use resilient mounts to dampen vibrations.
9. Locate fresh air intake 6'-0" minimum away from kitchen exhaust vent.
10. Fresh air intakes: Fresh 80 ventilators by Therma-Stor Products Group as located on plan.

DIVISION 16 - ELECTRICAL WORK

1. Connect smoke detectors to house power and locate a minimum of 5'-0" upstream from any return air grille.
2. Bathroom fan: Broan Model No. S130 at second floor bath. Broan Model No. 162 with heat lamp at first floor bathroom. Wire fan and heat lamp separately.
3. Wall heaters: by Cadet. 1000W Advantage at bedrooms, 1500W Advantage at living room, and 500W Hidden Heat TK-051T at second floor bathroom. Advantage heaters to be controlled by integral thermostats; Hidden Heat TK-051T to be connected to spring timer switch per plan.
4. Test equipment: install only conduit and junction boxes as indicated on the electrical plan. Instruments and related low voltage wiring will be installed prior to testing by research technicians.

BRADLEY WOOD
NO. 380

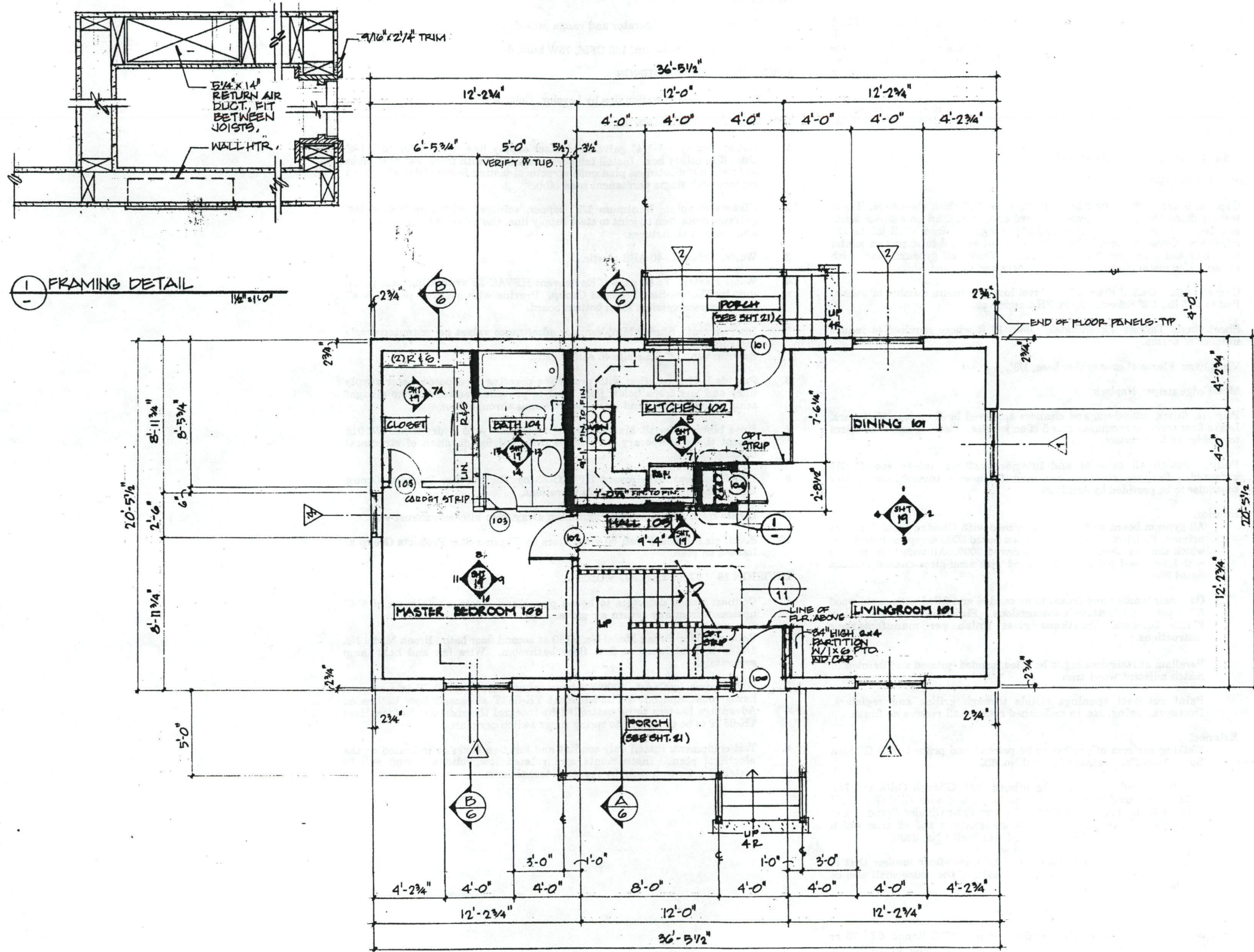
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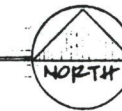


FIRST FLOOR PLAN

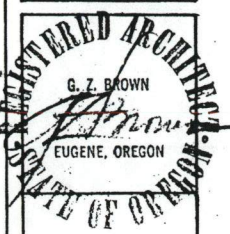
DIMENSIONS ARE FROM FACE OF PANEL (EXTERIOR WALLS)
OR FROM FACE OF STUD (INTERIOR PARTITIONS)

INDICATES 2x FRAMING; 16" O.C. ALL OTHER INTERIOR
PARTITIONS ARE PRE-MANUFACTURED (3/8" HONEYCOMB
CORE W/ 1/2" GYP. BO. EA. SIDE)

1/4" = 1'-0"



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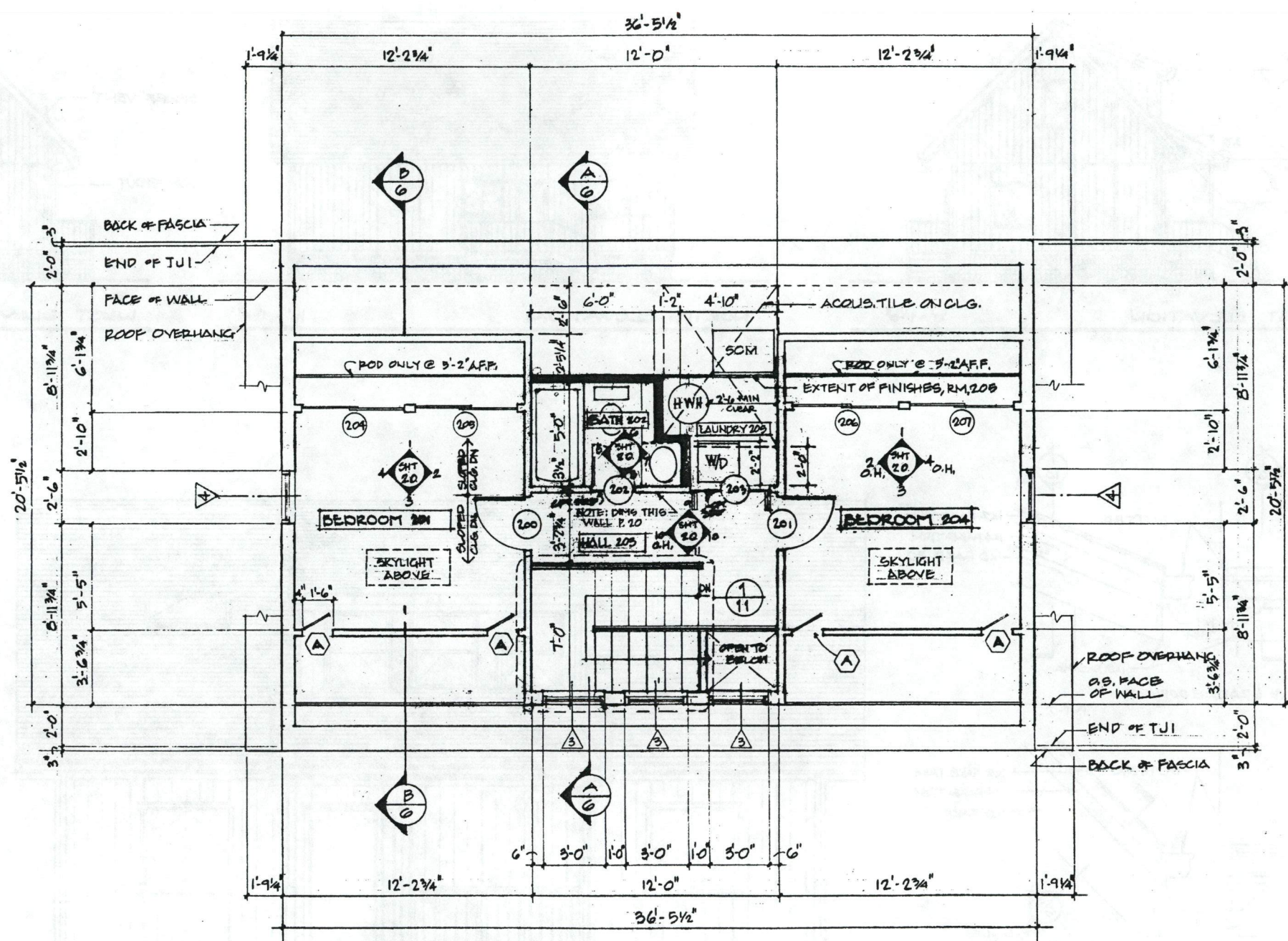
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First Floor Plan

SHEET
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REGISTERED ARCHITECT
 G. Z. BROWN
 EUGENE, OREGON
 STATE OF OREGON

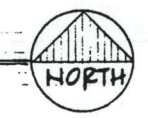


SECOND FLOOR PLAN

DIMENSIONS ARE FROM FACE OF PANEL (EXTERIOR WALLS)
 OR FROM FACE OF STUD (INTERIOR PARTITIONS)

INDICATES 2 x FRAMING, 16" O.C. ALL OTHER INTERIOR
 PARTITIONS ARE PRE-MANUFACTURED (3/8") HONEYCOMB
 CORE W/ 1/2" GYP. BD. EA. SIDE.

1/4" = 1'-0"

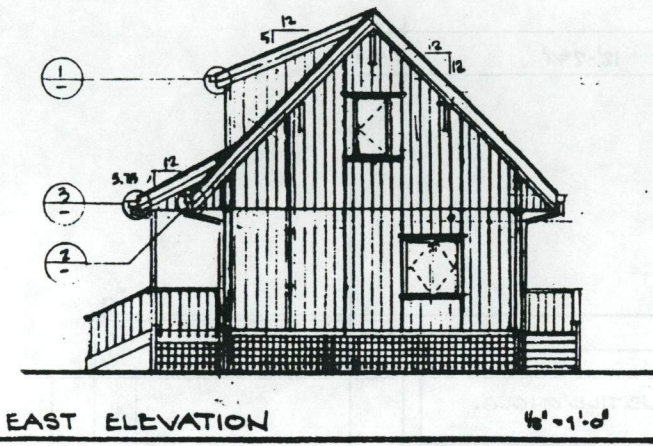


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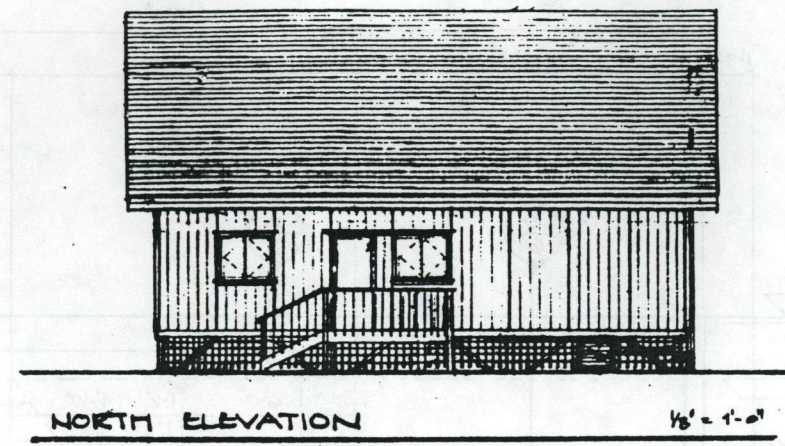
Second Floor Plan

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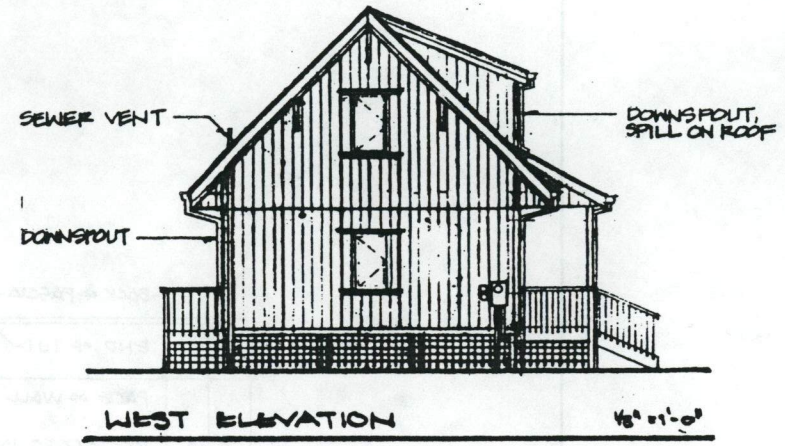
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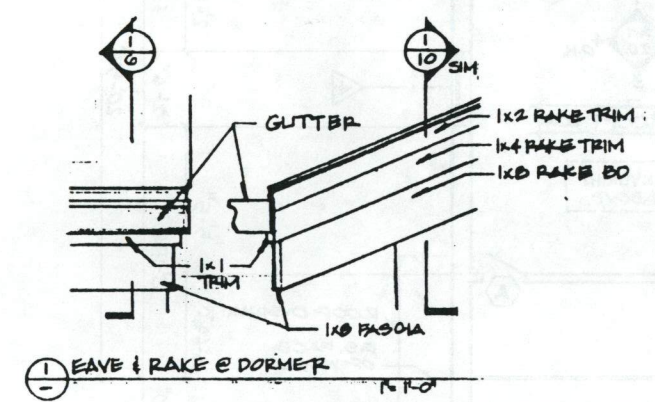
EAST ELEVATION 1/8" = 1'-0"



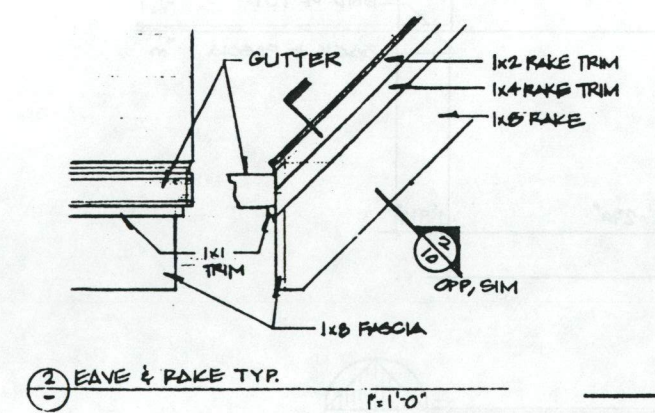
NORTH ELEVATION 1/8" = 1'-0"



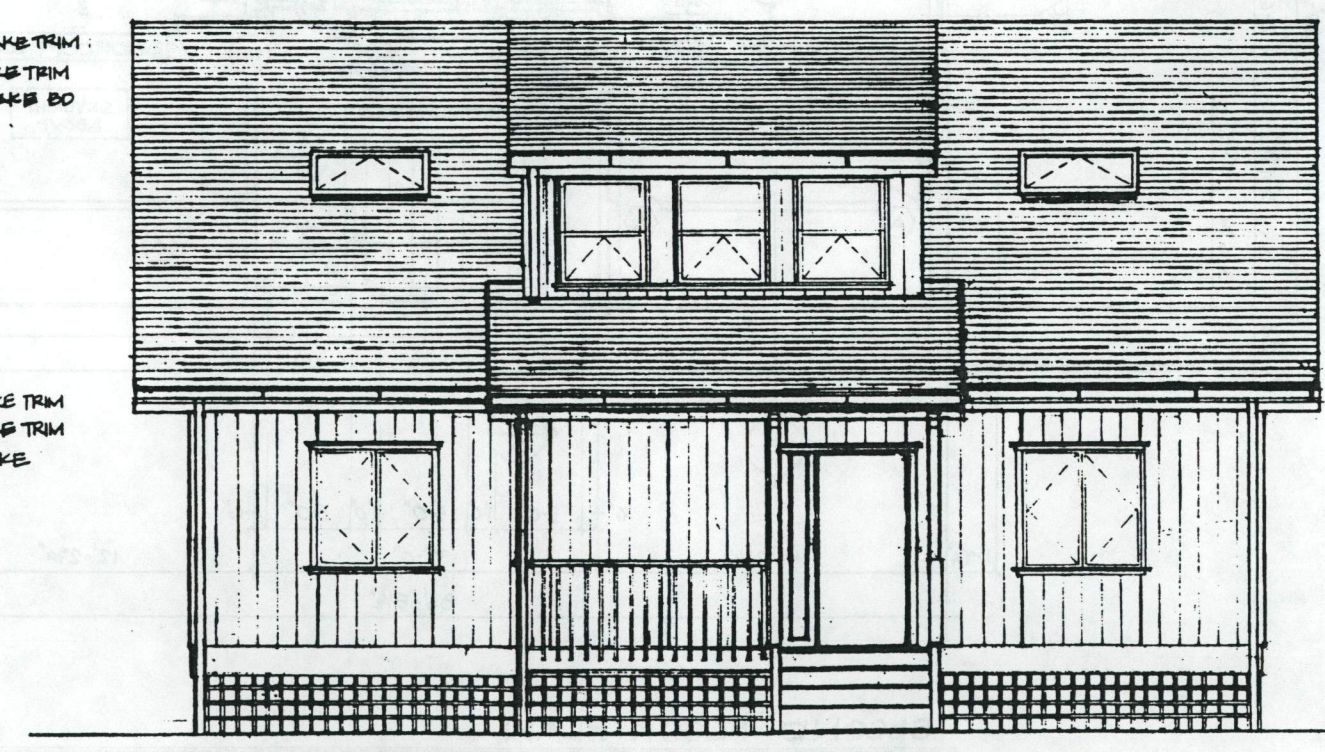
WEST ELEVATION 1/8" = 1'-0"



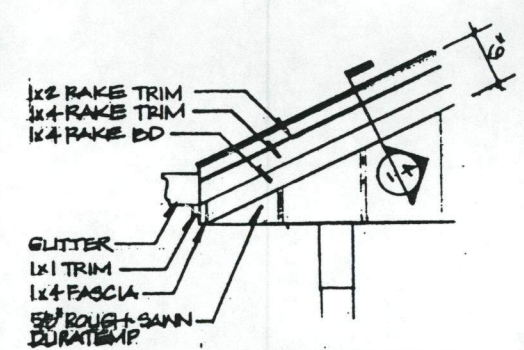
1 EAVE & RAKE @ DORMER 1/4" = 1'-0"



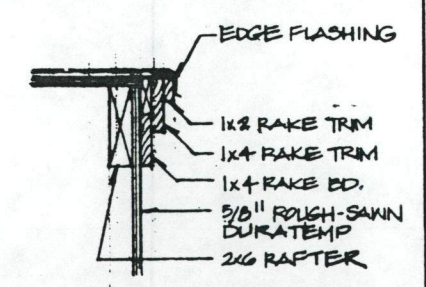
2 EAVE & RAKE TYP. 1/4" = 1'-0"



SOUTH ELEVATION 1/4" = 1'-0"



3 RAKE @ FRONT PORCH 1/4" = 1'-0"



4 SECTION @ PORCH RAKE 1/4" = 1'-0"

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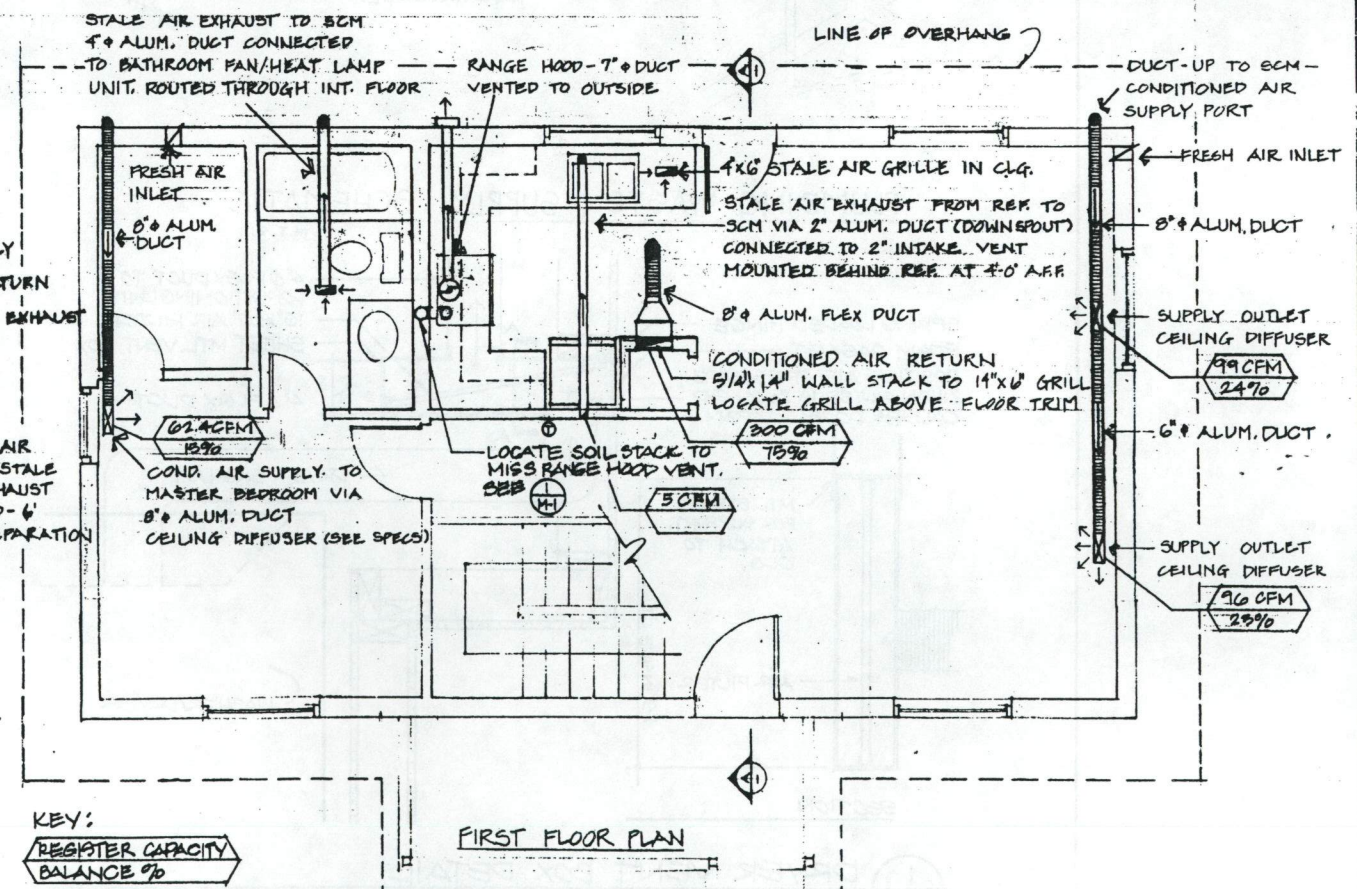
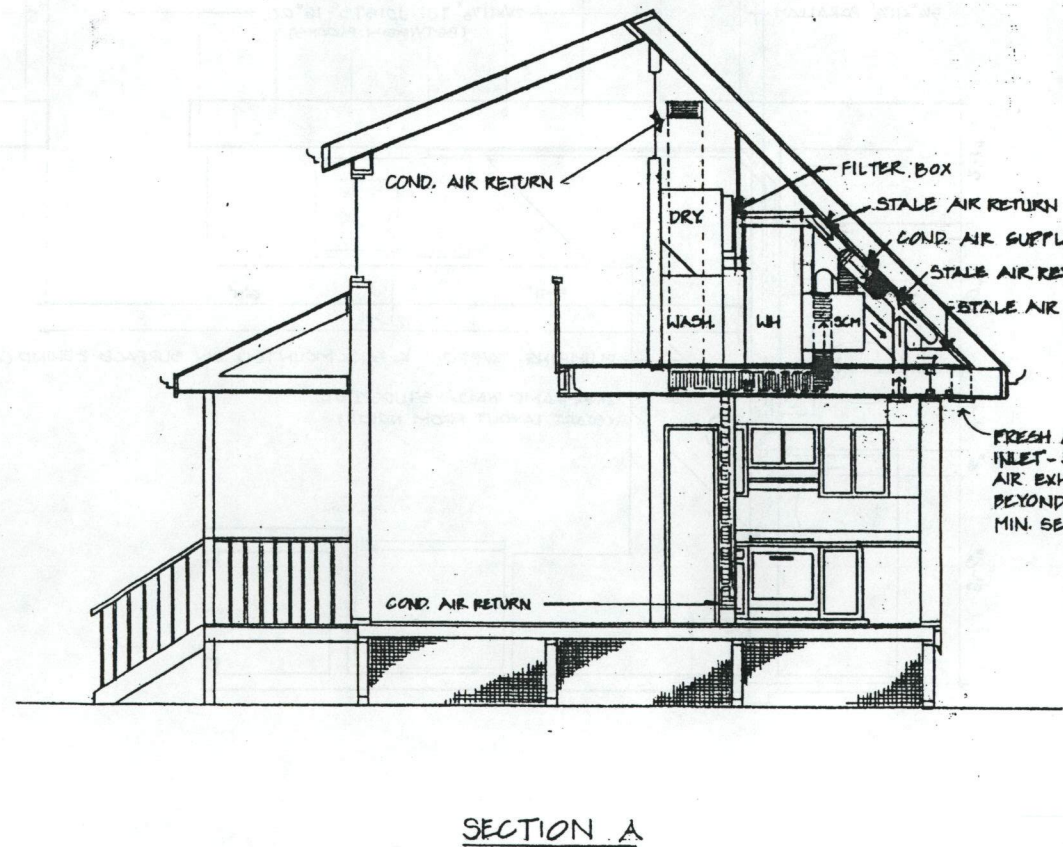
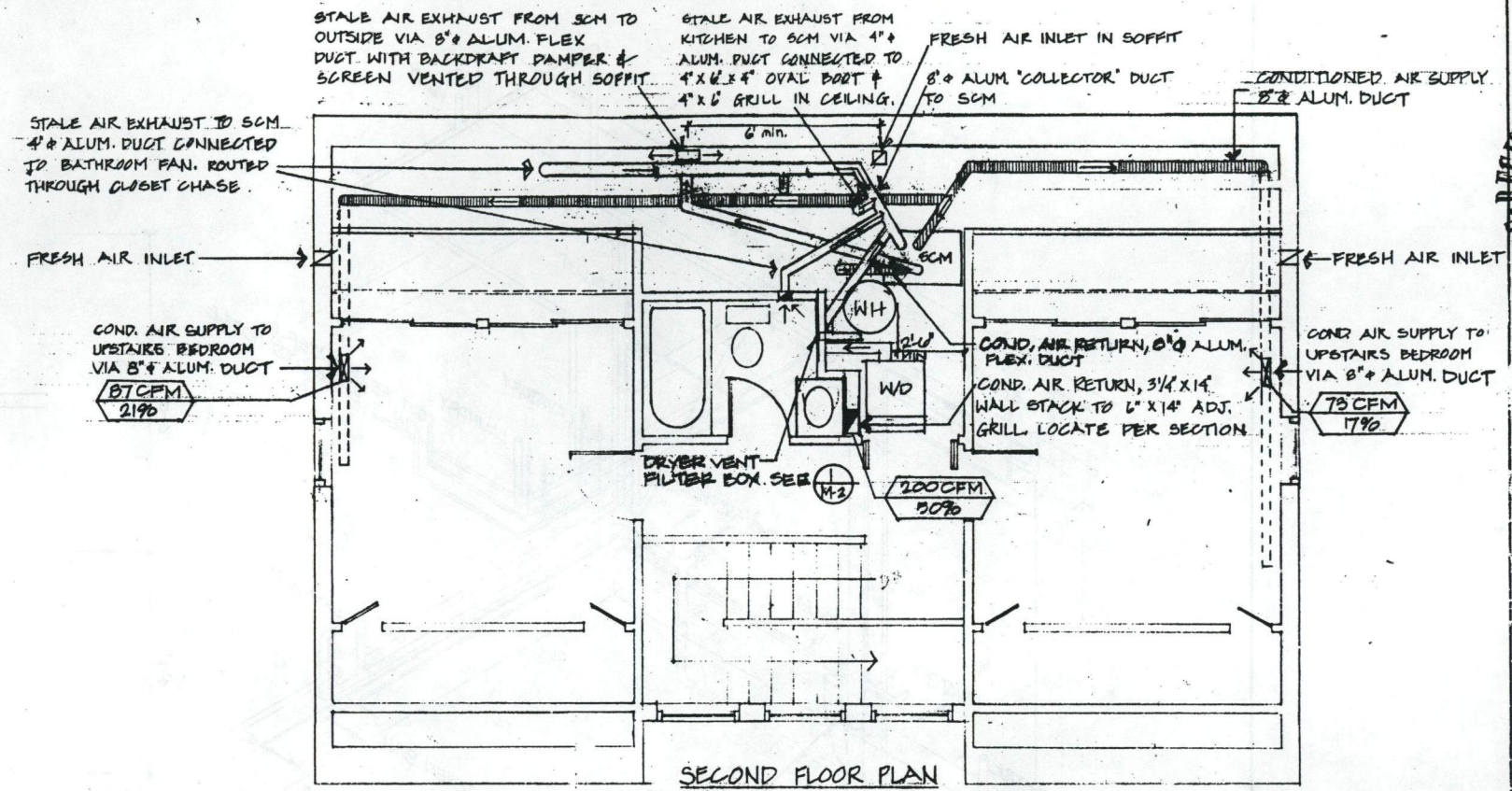
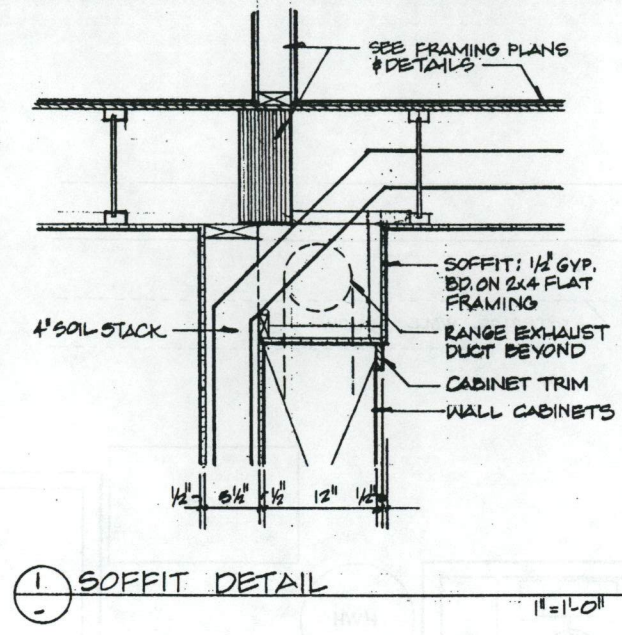
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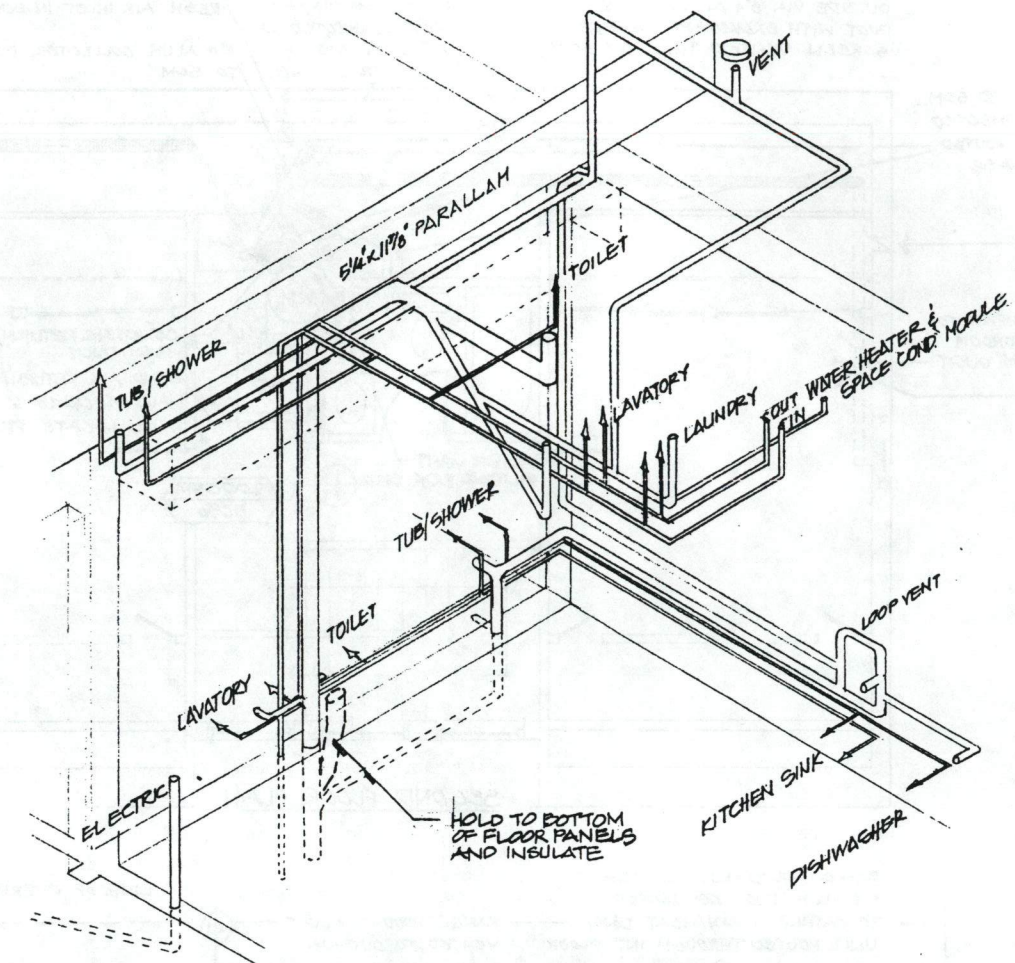
THE BROWN ARCHITECTS
G. & B. BROWN
EUGENE, OREGON
UNIVERSITY OF OREGON

Demonstration House for:
St. Vincent De Paul Society
 Energy Studies in Buildings Laboratory,
 Center for Housing Innovation
 University of Oregon
 (503) 346-5647

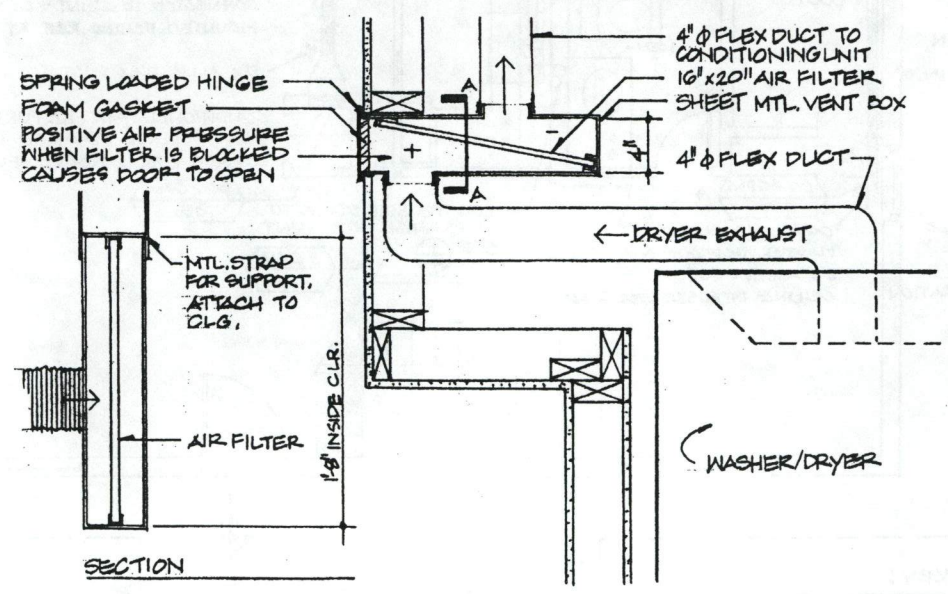
Mechanical Plans

M1

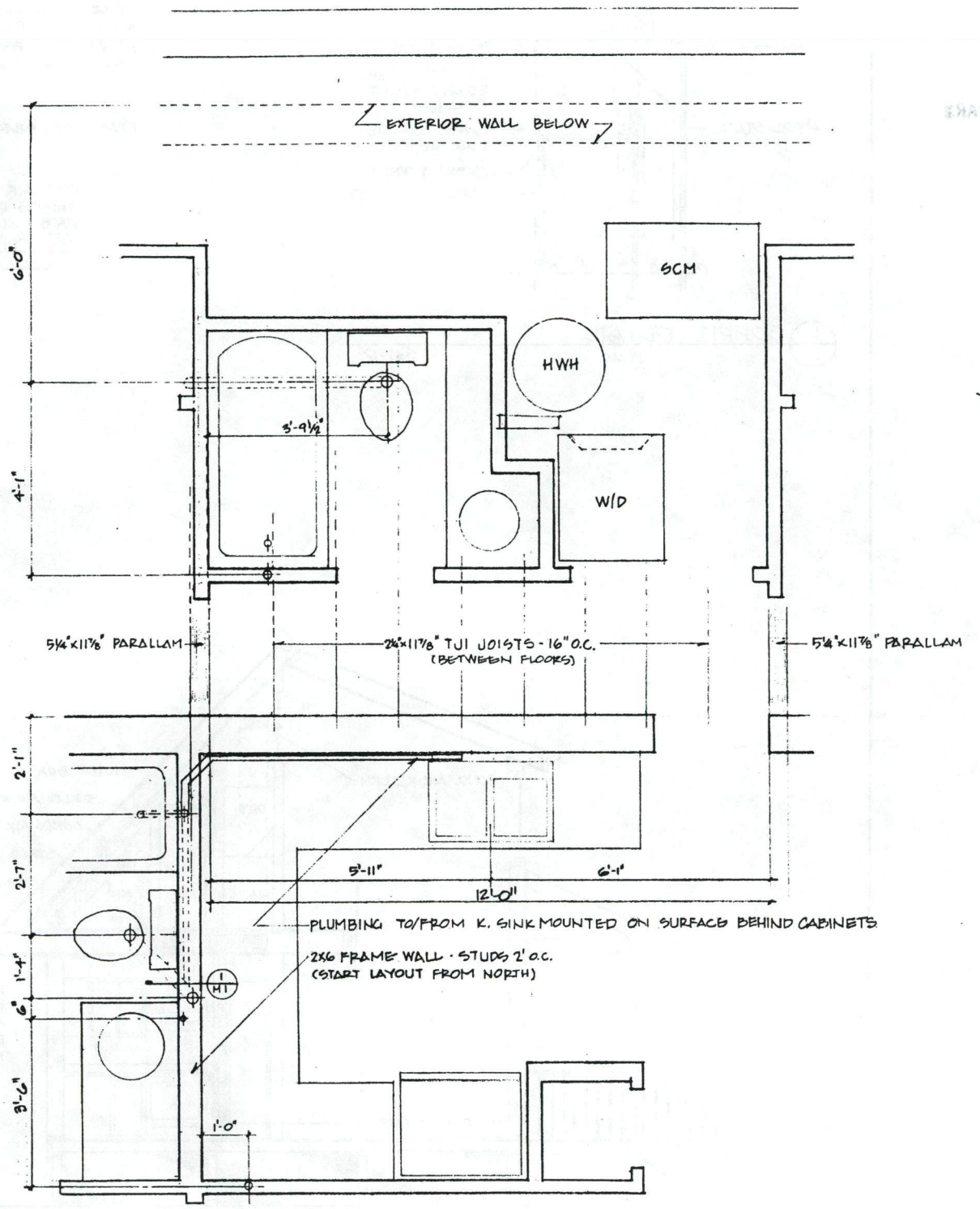
83093
 5-11-93 BID
 11-11-93



PLUMBING WASTE & SUPPLY SCHEMATIC
 N.T.S.



1 DRYER VENT BOX DETAIL
 M2 1/2" = 1'-0"



PLUMBING WASTE LOCATIONS
 1/2" = 1'-0"

Demonstration House for:
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 Energy Studies in Buildings Laboratory
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**Plumbing Plans,
 Mechanical Details**

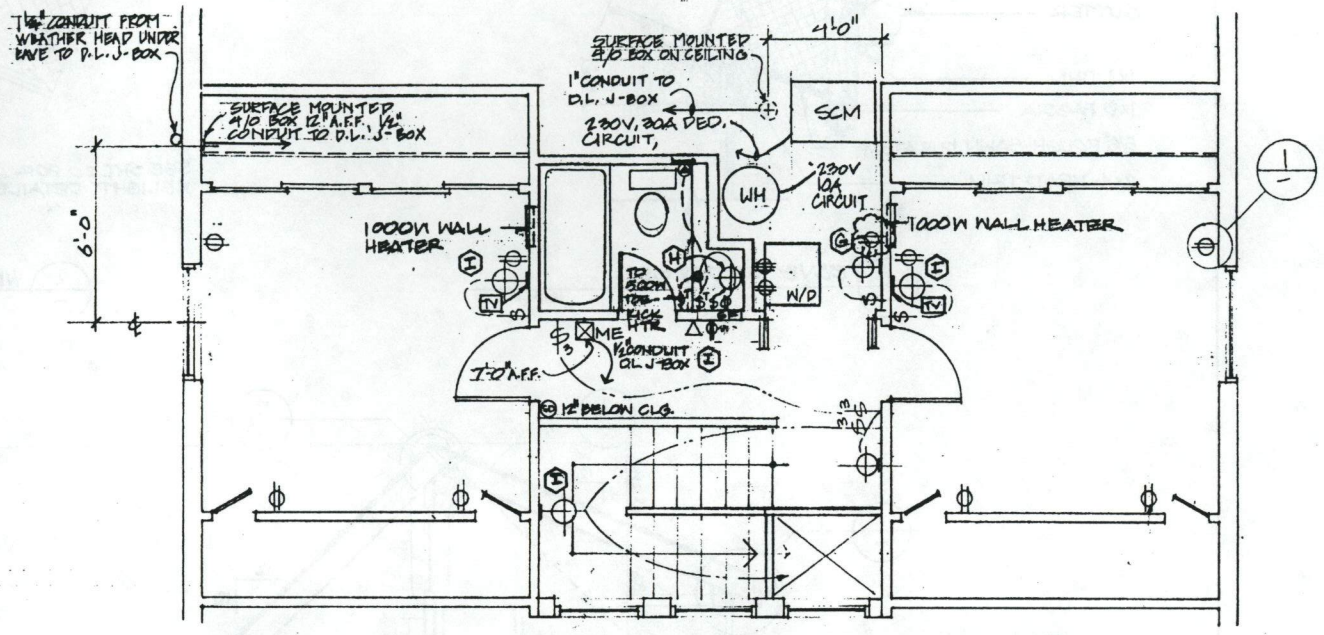
M2

9.25.92 PERMIT
 8.30.93
 5.11.93 BID
 5.26.93 REVISED
 11.11.93



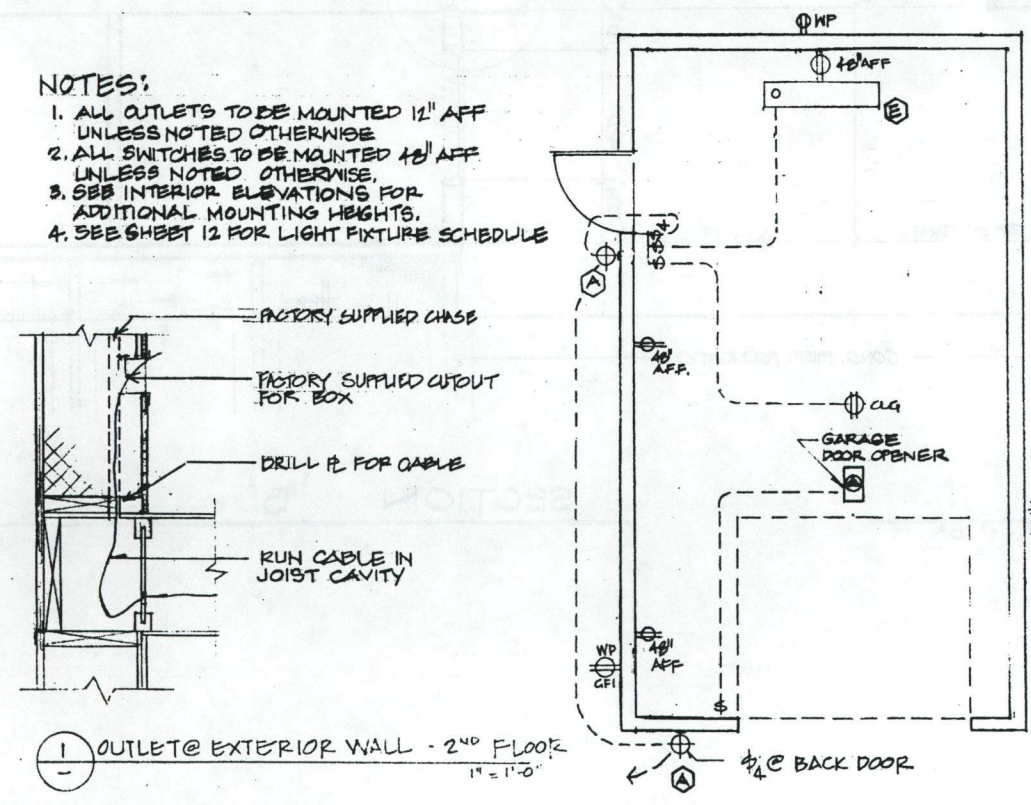
Depanstration House for:
St. Vincent De Paul Society
 Energy Studies in Buildings Laboratory
 Center for Housing Innovation
 University of Oregon (503) 346-5847

ELECTRICAL SCHEDULE	
SYMBOL	DESCRIPTION
⊕	120 V. DUPLEX OUTLET
⊕	220 V. OUTLET
⊕	120 V. DUPLEX OUTLET, GROUND FAULT INTERRUPTER
⊕	120 V. DUPLEX OUTLET, DEDICATED CIRCUIT
⊕	RANGE HOOD
⊕	TELEPHONE JACK
⊕	120 VOLT JUNCTION BOX W/BLANK COVER FOR MONITORING EQUIPMENT
⊕	120 VOLT JUNCTION BOX W/BLANK COVER FOR DATALOGGER
⊕	SMOKE DETECTOR, WALL-MOUNTED
⊕	HEAT LAMP W/FAN
⊕	WALL-MOUNTED LIGHT FIXTURE
⊕	CEILING-MOUNTED LIGHT FIXTURE
⊕	RECESSED LIGHT FIXTURE
⊕	1 1/4" FLUORESCENT LIGHT FIXTURE
⊕	SINGLE POLE SWITCH
⊕	3-WAY SWITCH
⊕	4-WAY SWITCH
⊕	SWITCH WITH SPRING TIMER
⊕	DOOR CHIME
⊕	DOORBELL
⊕	TELEVISION OUTLET
⊕	JUNCTION BOX
⊕	THERMOSTAT

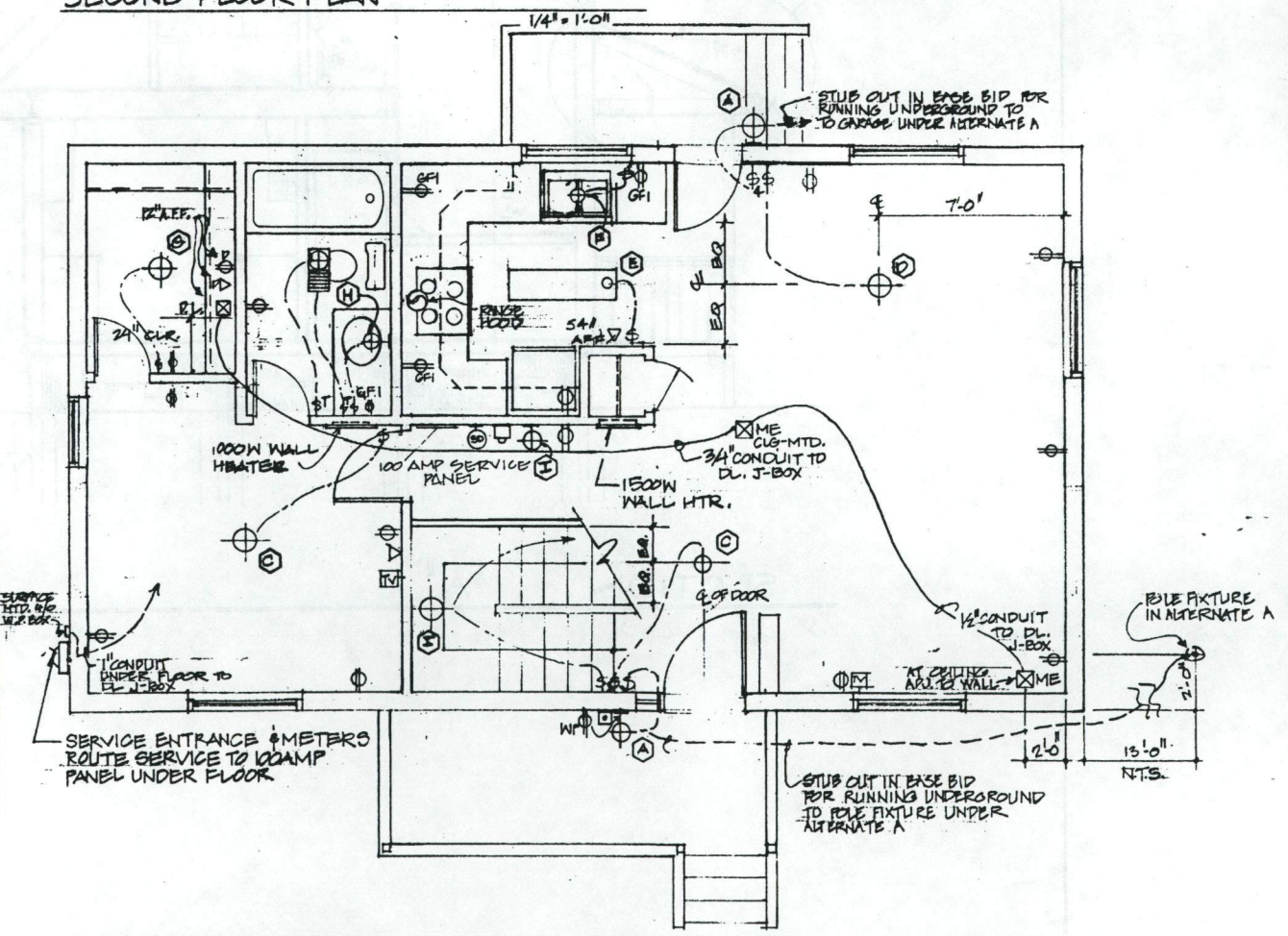


SECOND FLOOR PLAN

- NOTES:
1. ALL OUTLETS TO BE MOUNTED 12" AFF UNLESS NOTED OTHERWISE
 2. ALL SWITCHES TO BE MOUNTED 48" AFF UNLESS NOTED OTHERWISE
 3. SEE INTERIOR ELEVATIONS FOR ADDITIONAL MOUNTING HEIGHTS.
 4. SEE SHEET 12 FOR LIGHT FIXTURE SCHEDULE



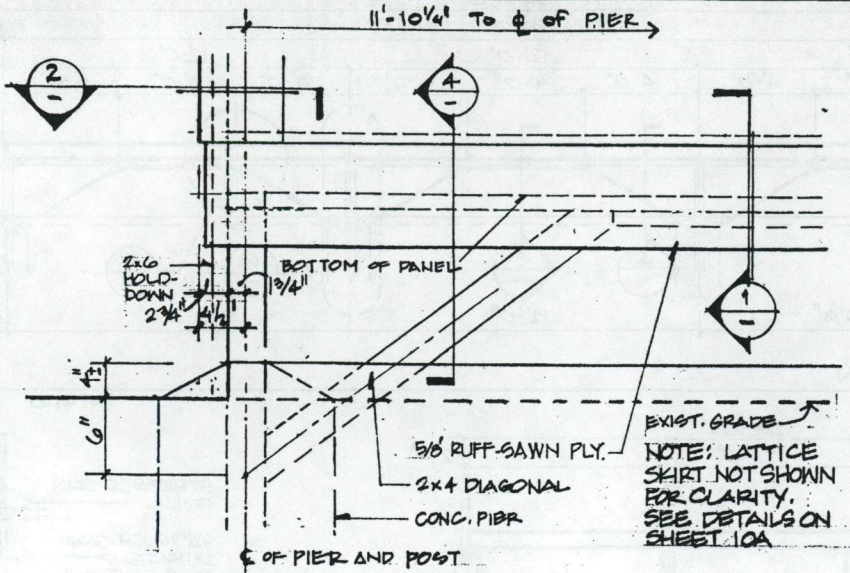
GARAGE PLAN
 (ALTERNATE A) 1/4" = 1'-0"



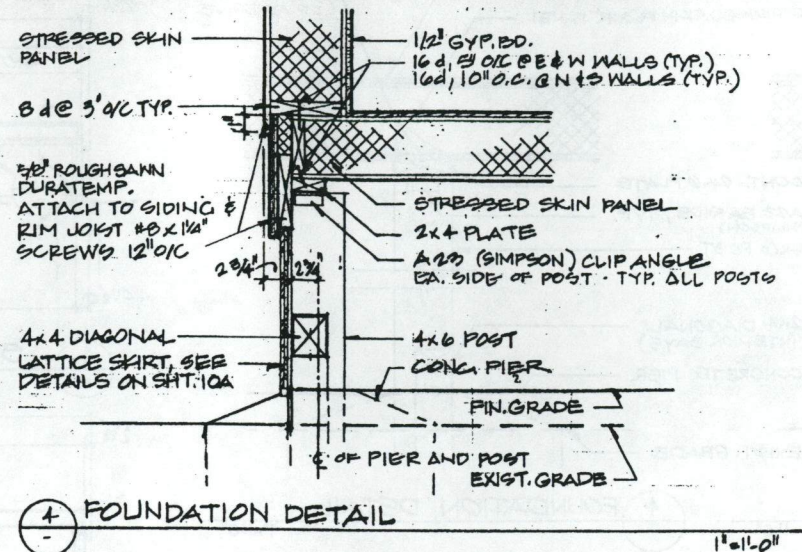
FIRST FLOOR PLAN
 1/4" = 1'-0"

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Electrical Plan
 SHEET
E1



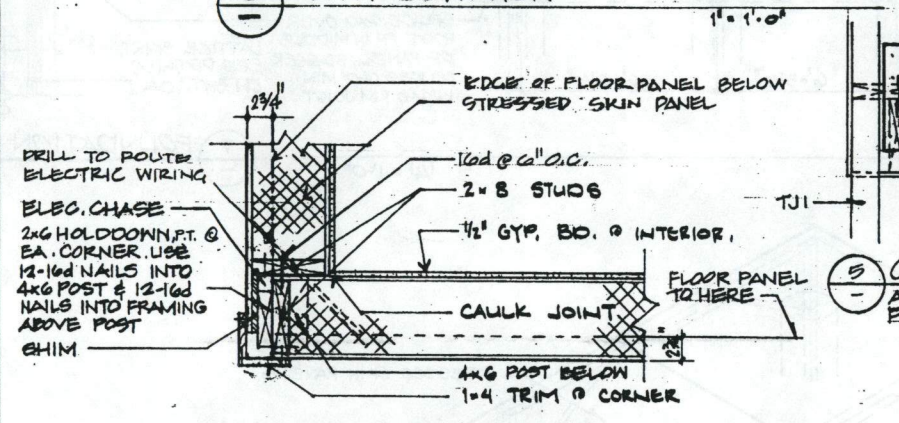
3 EXT. CORNER



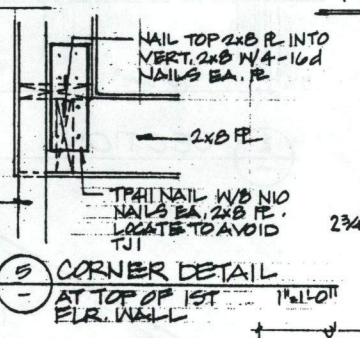
4 FOUNDATION DETAIL

FOOTING SCHEDULE			
	LOAD	AREA	Φ PIER DEPTH
A	7750	24"	6'±
B	14,220	30"	6'±
C	3,720	18"	6'±
D	17,160	30"	6'±
E	4,470	18"	6'±
* F	1,990	18"	2'

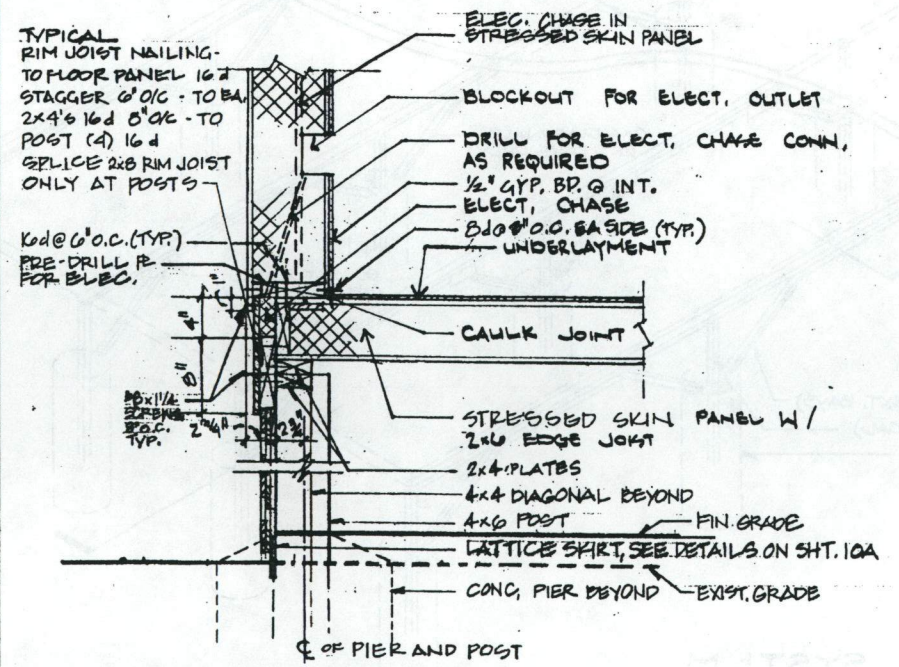
* BASED ON MOST HEAVILY LOADED PORCH FOOTING.



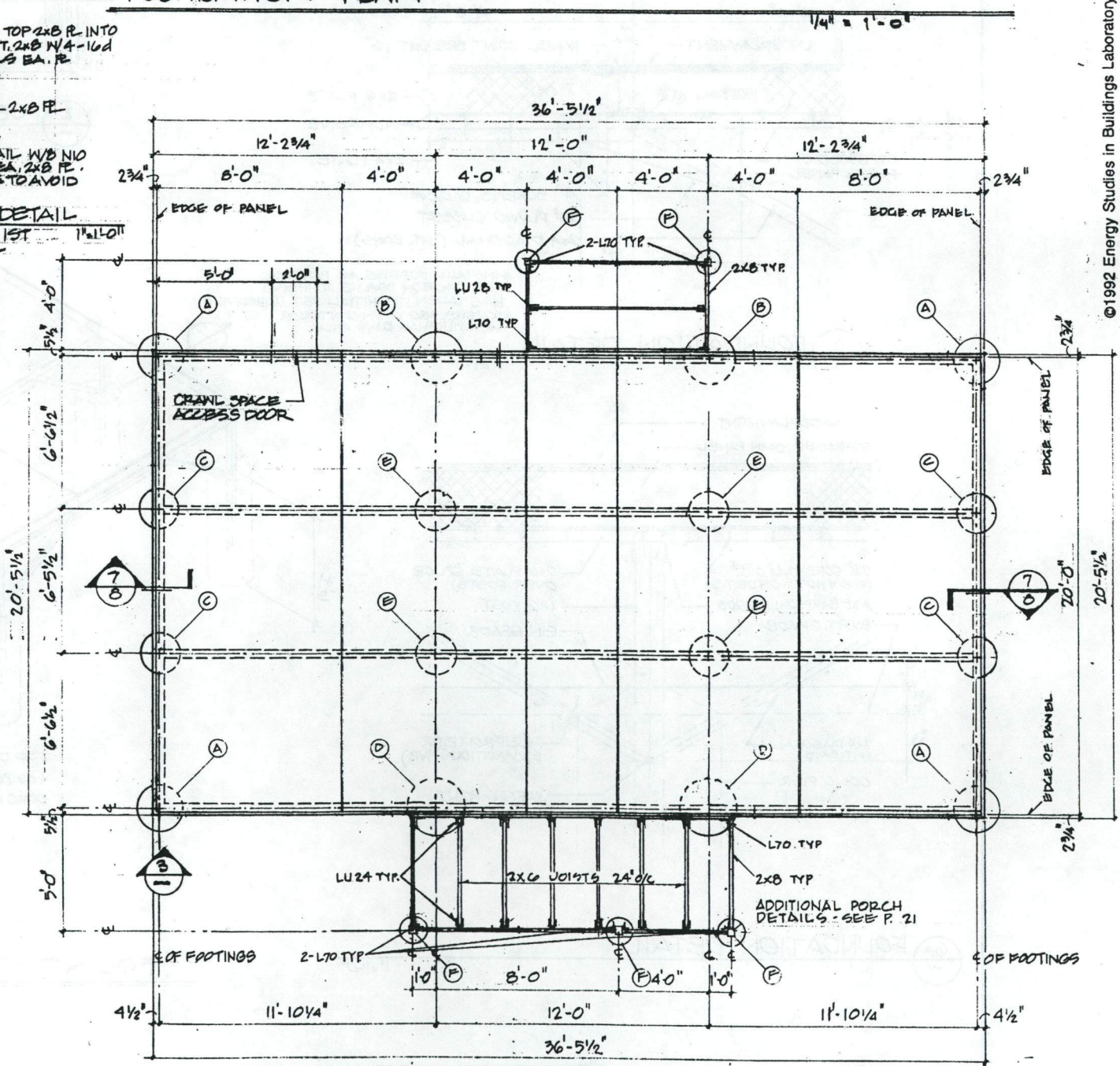
2 EXTERIOR CORNER (HORIZ. SECT.)



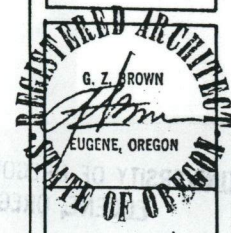
5 CORNER DETAIL AT TOP OF 1ST FLR. WALL



1 TYP. WALL / SLAB CONN.



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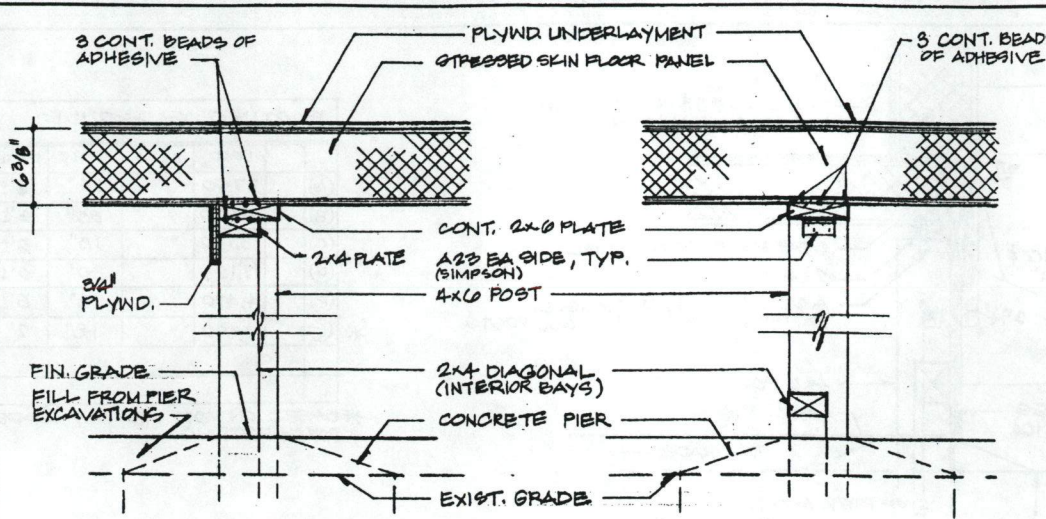
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Foundation & 1st Floor Framing Plans & Details

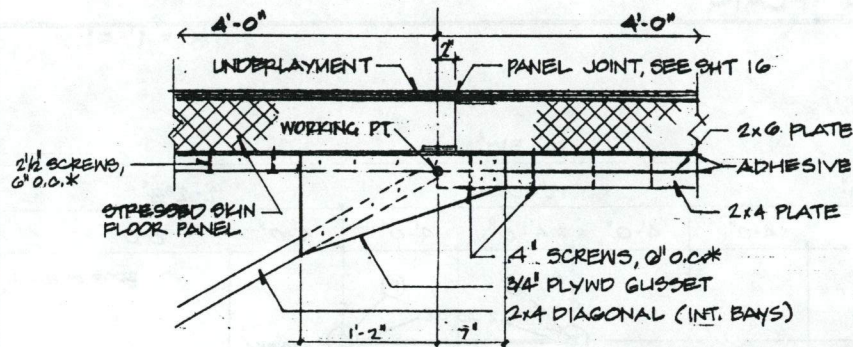
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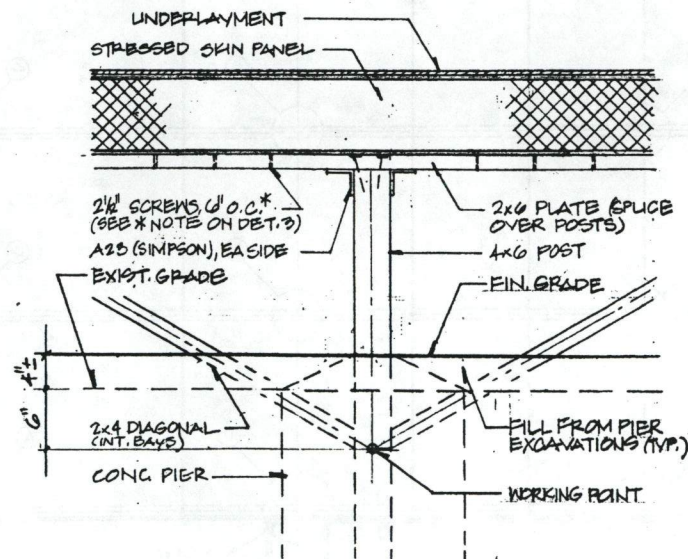
3 FOUNDATION DETAIL 1/4" = 1'-0"

4 FOUNDATION DETAIL 1/4" = 1'-0"

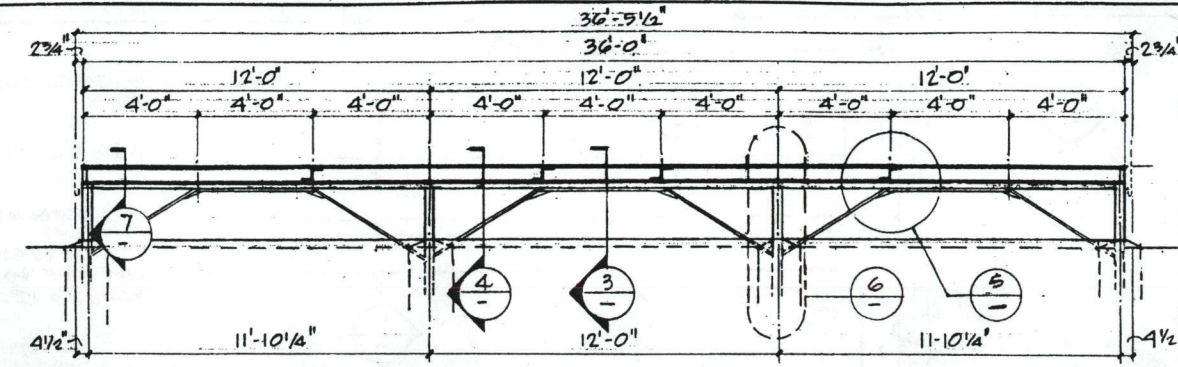


5 FOUNDATION DETAIL 1/4" = 1'-0"

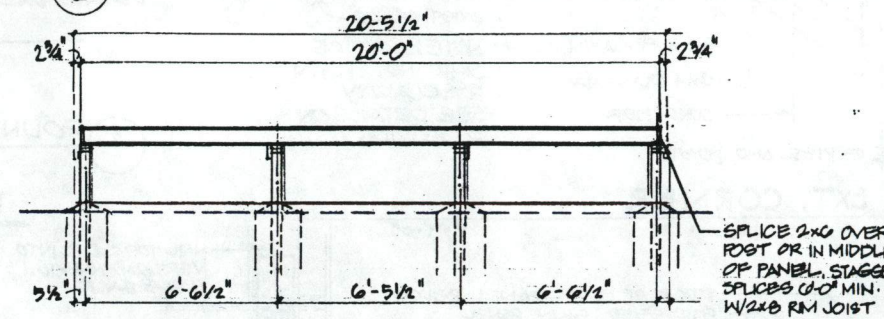
*INSTALL SCREWS AS PANELS ARE PLACED & BEFORE ADHESIVE HAS TAKEN ITS INITIAL SET. ADHESIVE & SCREWS REQ'D. ON 2 INTERIOR LONGITUDINAL BAYS ONLY.



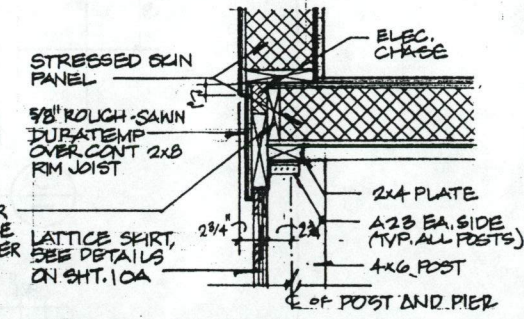
6 FOUNDATION DETAIL 1/4" = 1'-0"



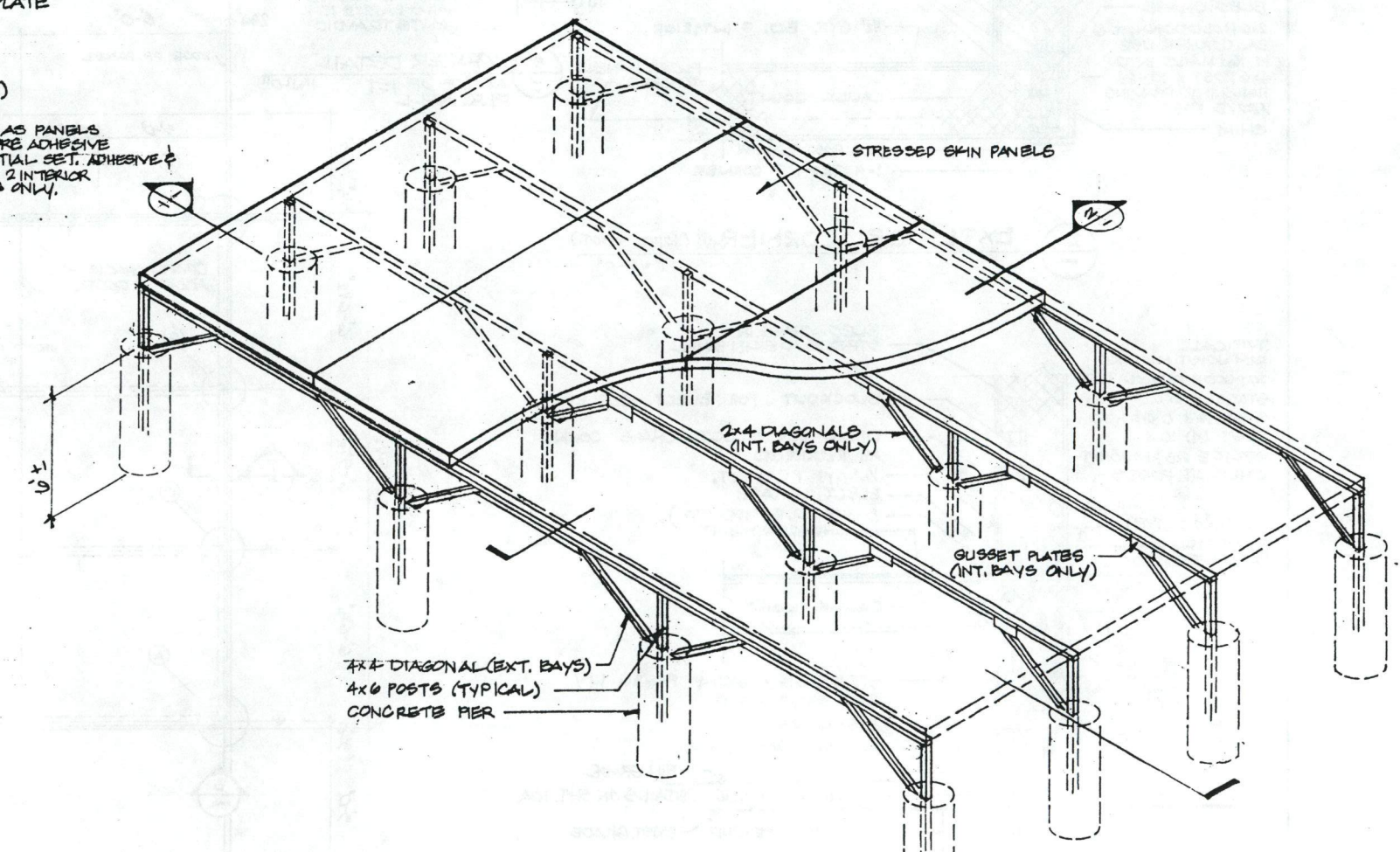
1 SECTION 1/4" = 1'-0"



2 SECTION 1/4" = 1'-0"



7 FOUNDATION DETAIL 1/4" = 1'-0"



FOUNDATION SYSTEM 1/4" = 1'-0"

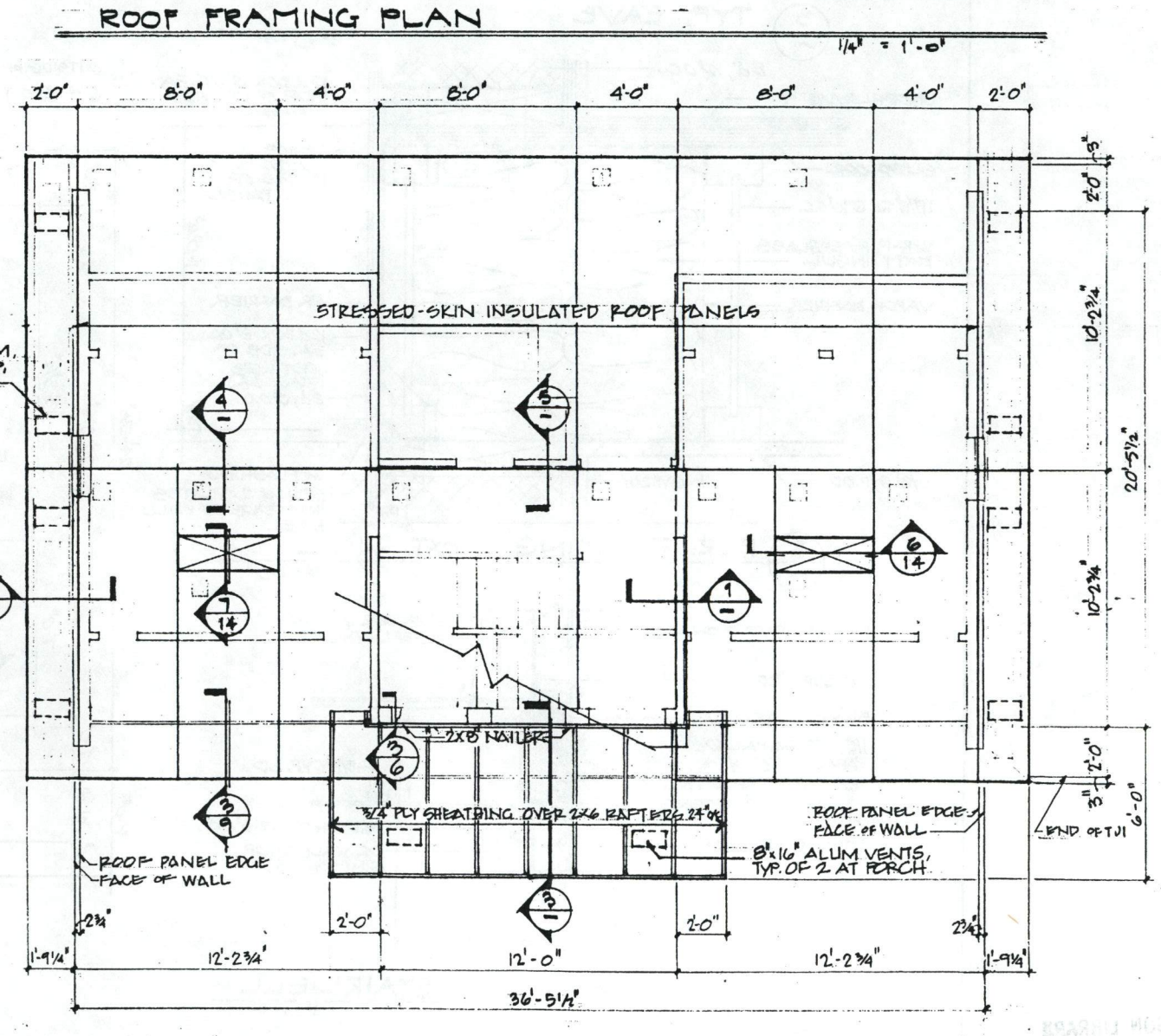
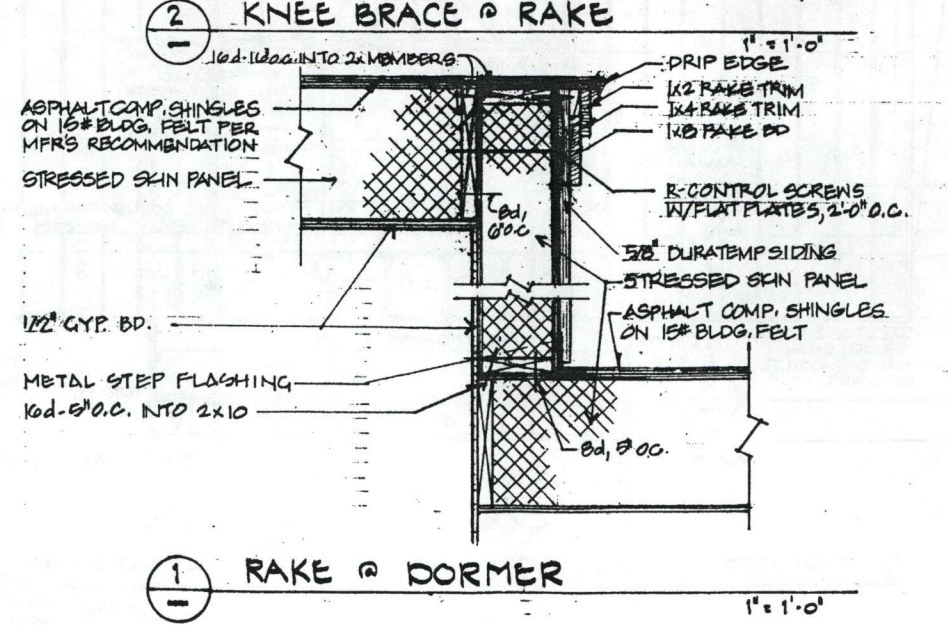
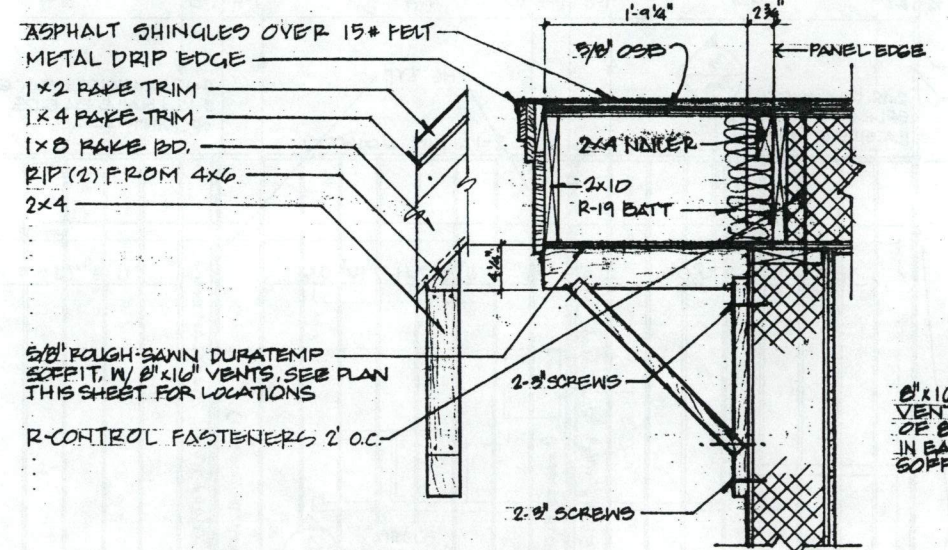
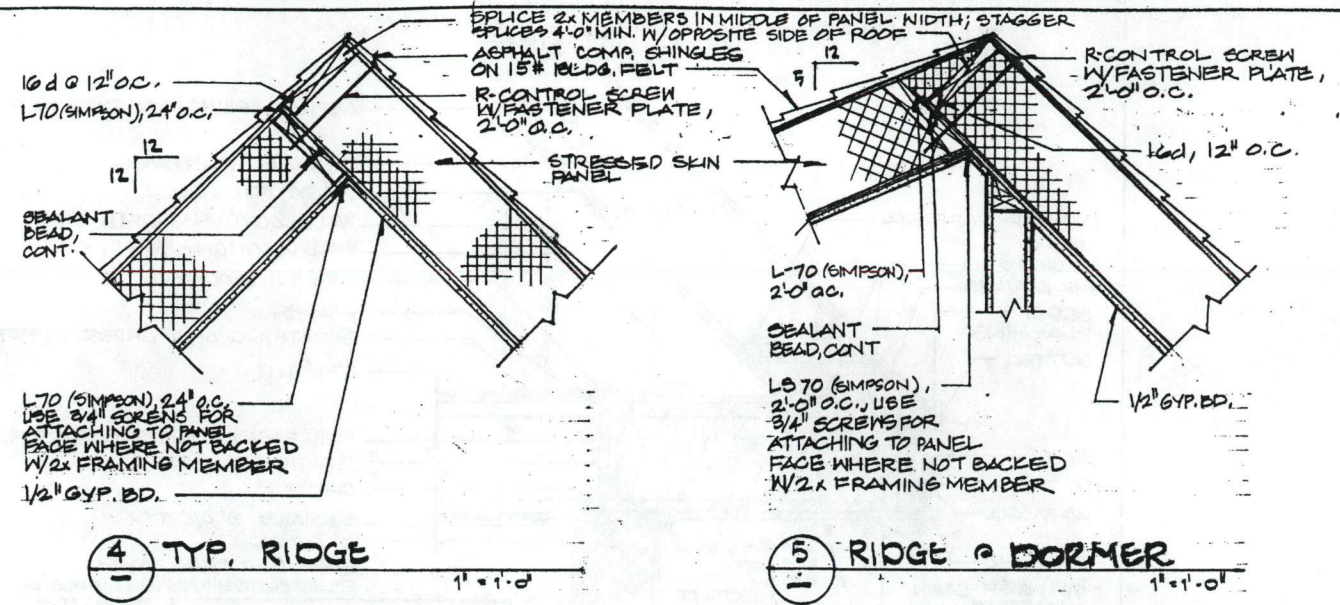
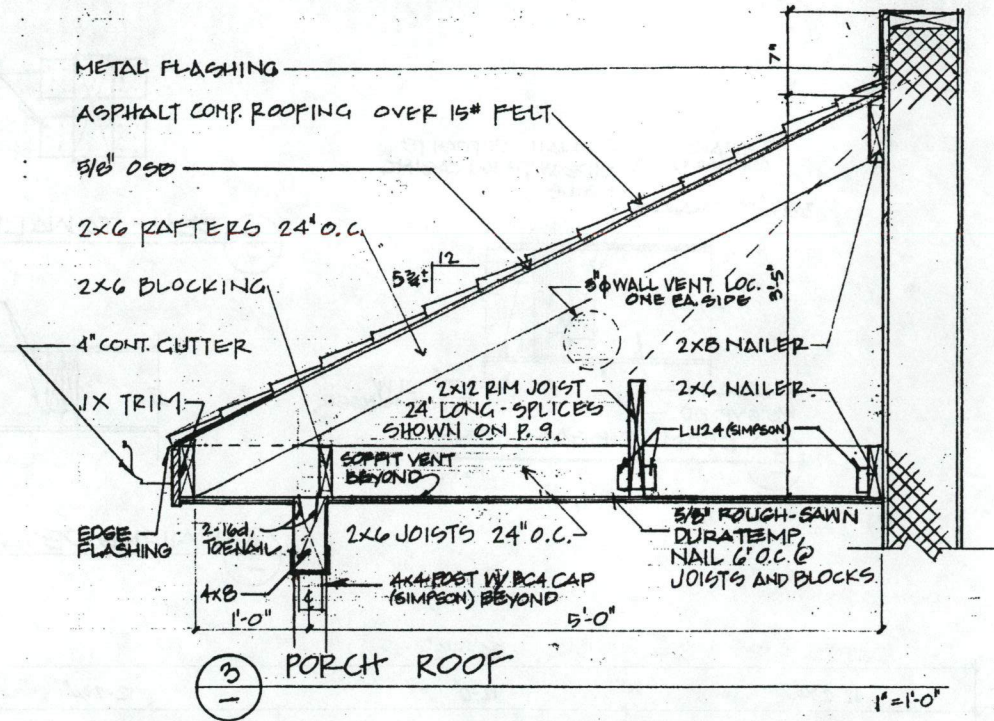
925-92 PERMIT
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5-11-93 BID
11-11-93

REGISTERED ARCHITECT
G. Z. BROWN
EUGENE, OREGON
STATE OF OREGON

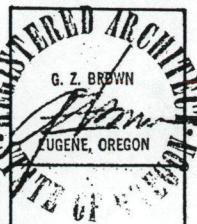
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Energy Studies in Buildings Laboratory
Center for Housing Innovation
University of Oregon (503) 346-5647

Foundation Details

SHEET
8



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11.11.93



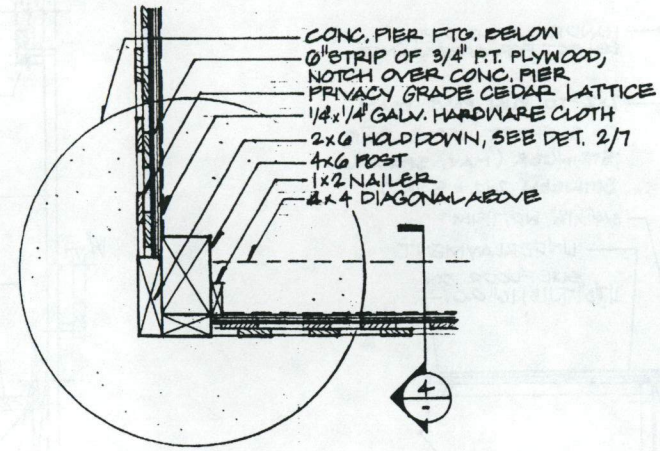
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Roof Framing Plan

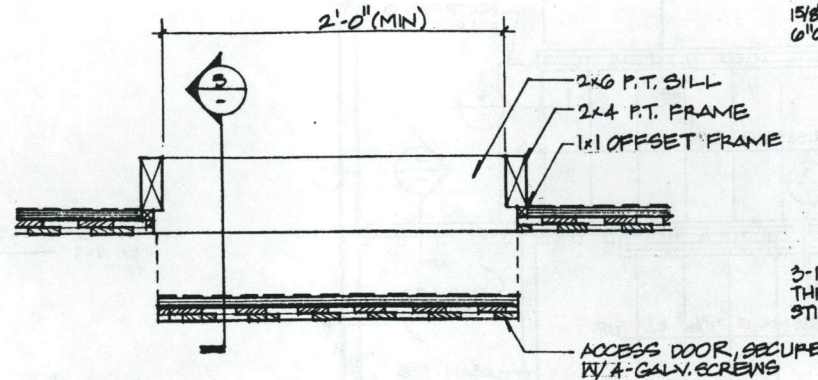
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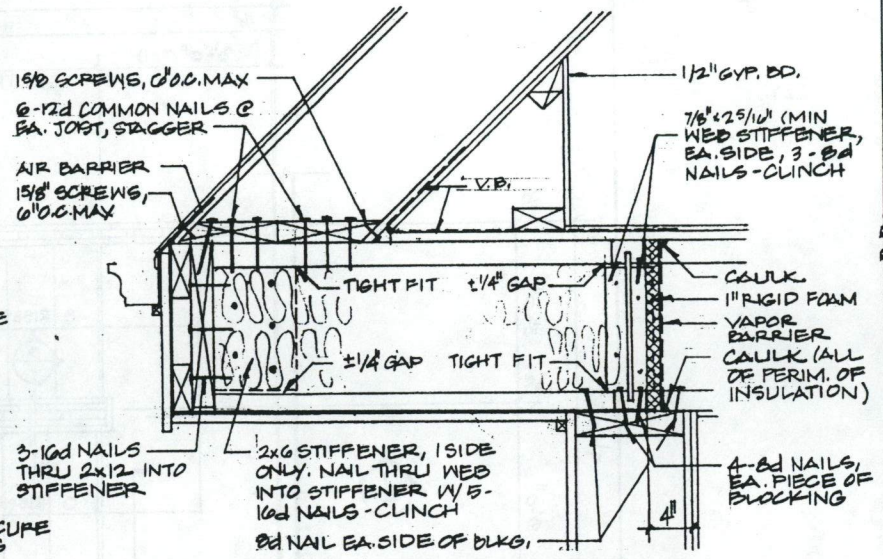
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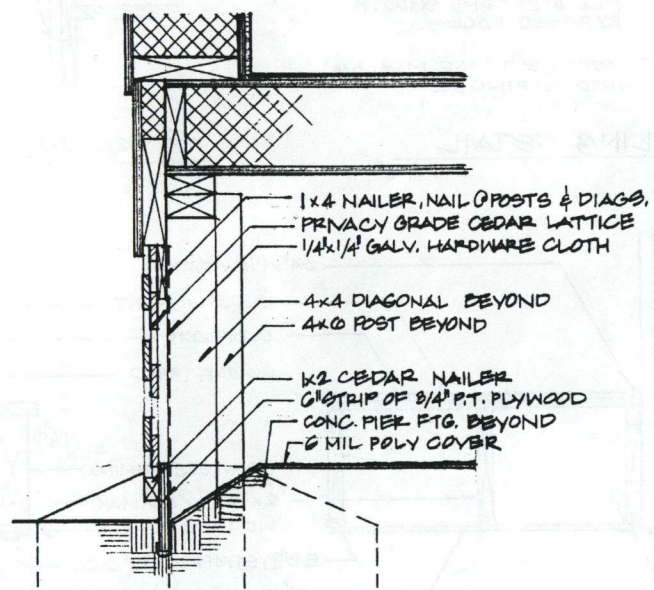
1 LATTICE SKIRT - PLAN DETAIL 1/2" = 1'-0"



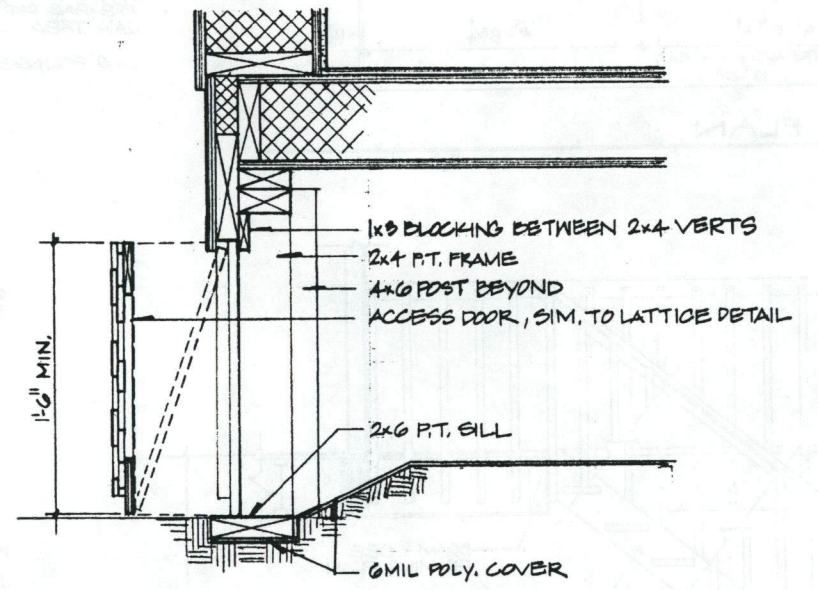
2 CRAWL SPACE ACCESS DOOR - PLAN DETAIL 1/2" = 1'-0"



3 EAVE DETAIL (SEE ALSO DET. 3/9) 1/2" = 1'-0"

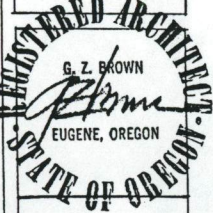


4 LATTICE SKIRT - SECTION 1/2" = 1'-0"



5 CRAWL SPACE ACCESS DOOR - SECTION 1/2" = 1'-0"

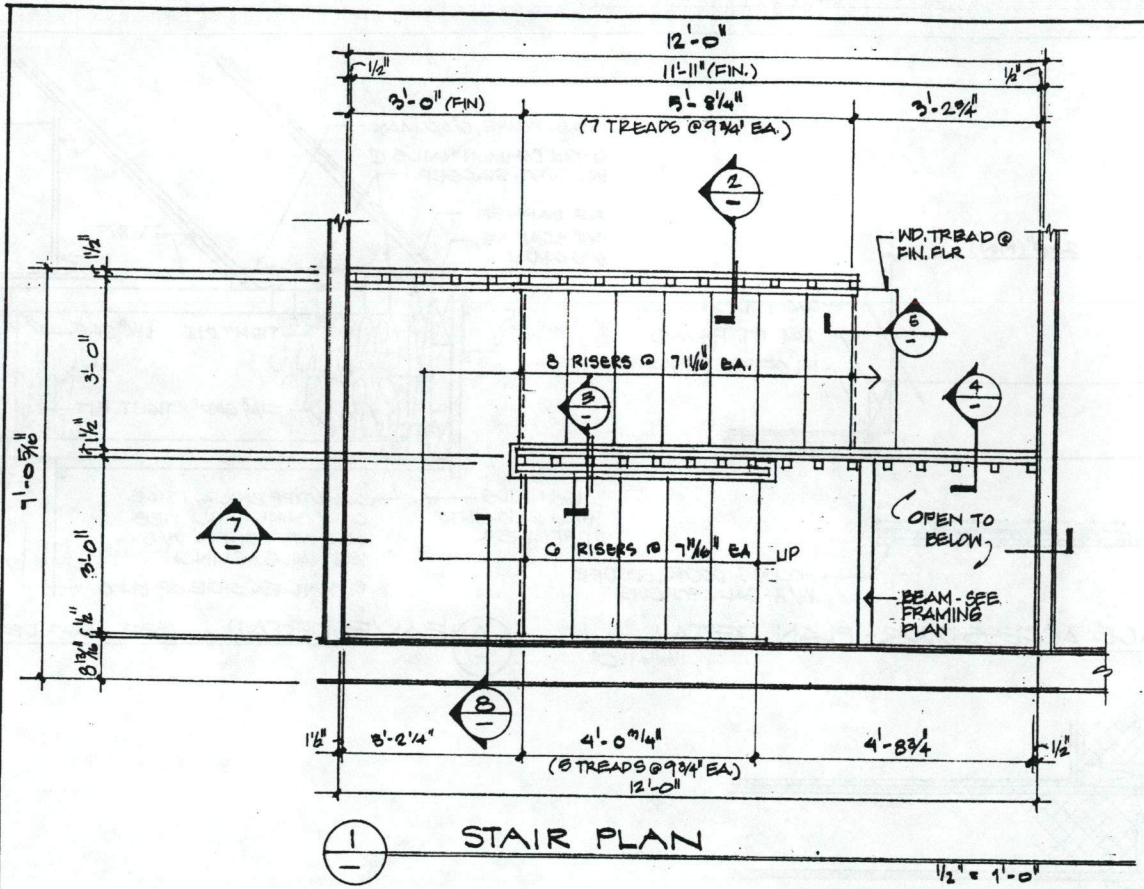
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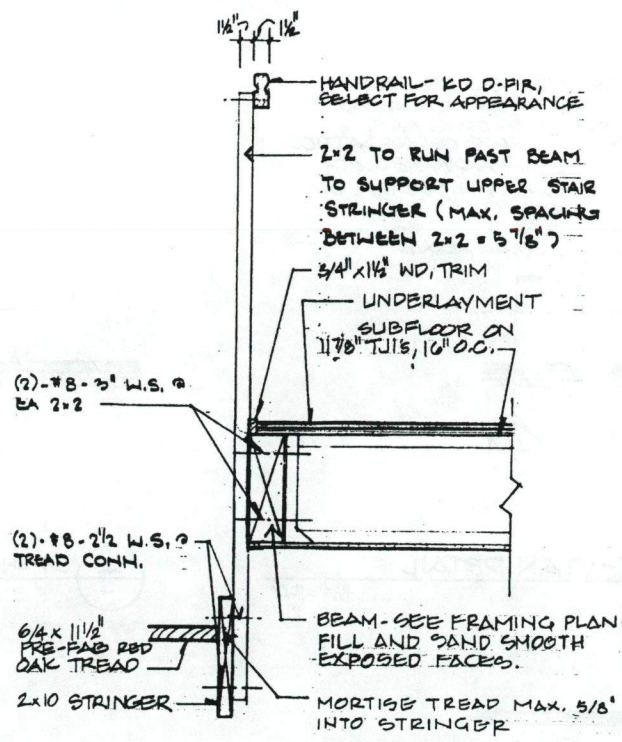
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Details

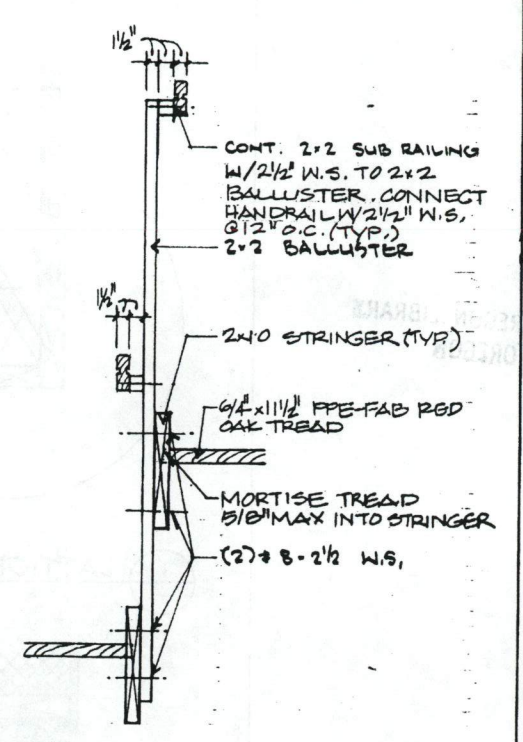
10A



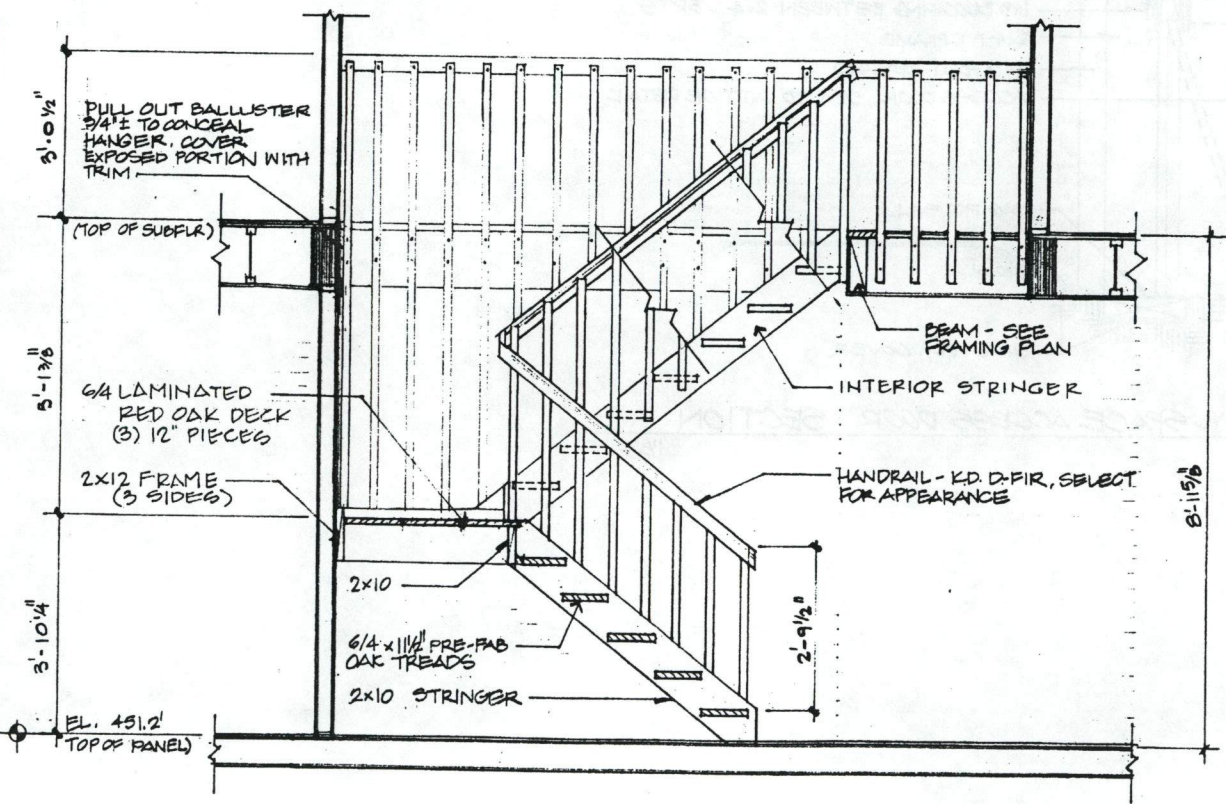
1-1 STAIR PLAN 1/2" = 1'-0"



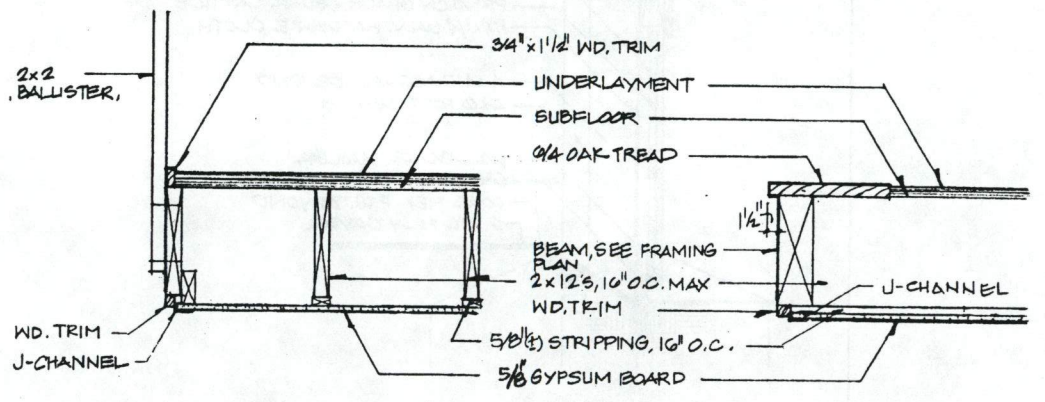
2-1 RAILING DETAIL 1" = 1'-0"



3-1 RAILING DETAIL 1" = 1'-0"

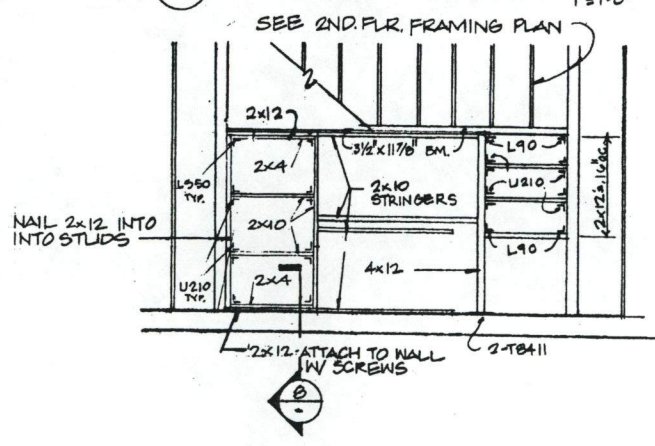


7-1 SECTION 1/2" = 1'-0"

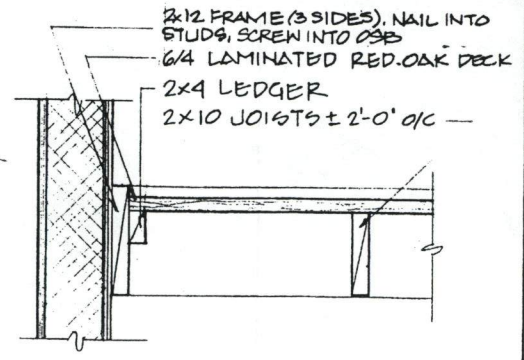


4-1 TOP LANDING DETAIL 1" = 1'-0"

5-1 TOP LANDING DETAIL 1" = 1'-0"

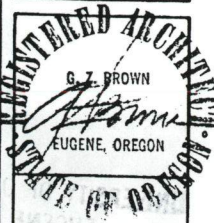


6-1 STAIR FRAMING PLAN (JOIST ANGLES & HANGERS BY SIMPSON) 1/4" = 1'-0"



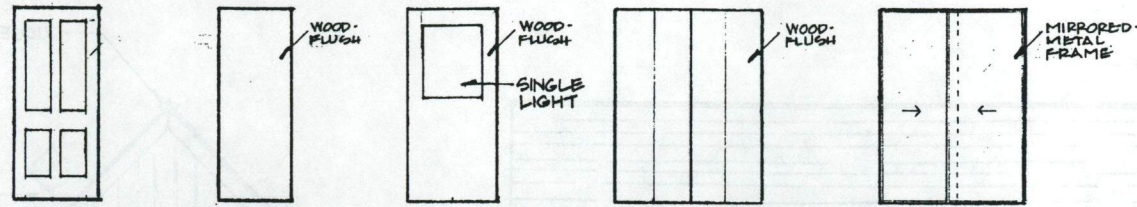
8-1 SECT @ LANDING 1" = 1'-0"

9.05.92 PERMIT
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11.11.93



Demonstration House for:
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Stair Section & Details

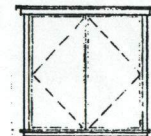


① INSUL. MTL. ② HOLLOW ③ SOLID ④ DBL. BIFOLD ⑤ BYPASS

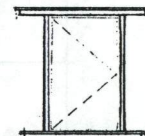
DOOR TYPES

1/4" = 1'-0"

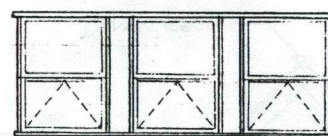
DOOR SCHEDULE							
No.	Size	Type	Hand	Frame	Threshold	Hardware/bumper	Remarks
100	3'-0" x 6'-8" x 1-3/4"	1	right	8-5/16" ext.	thermal break	type 1/wall	insul. metal, sidelight, det. 1 - 3, p. 14
101	2'-6" x 6'-8" x 1-3/4"	1	right	8-5/16" ext.	thermal break	type 1/wall	insul metal, details 1 and 2, p. 14
102	2'-6" x 6'-8" x 1-3/8"	2	left	4-1/2"	none	type 2/hinge	1-1/4" undercut
103	2'-0" x 6'-8" x 1-3/8"	2	left	4-1/2"	carpet strip	type 3/wall	1-1/4" undercut
104	1'-6" x 6'-8" x 1-3/8"	2	right	4-1/2"	none	type 4/hinge	
105	2'-0" x 6'-8" x 1-3/8"	2	left	4-1/2"	none	type 3/wall	1-1/4" undercut
200	2'-6" x 6'-8" x 1-3/8"	2	right	4-1/2"	none	type 4/wall	1-1/4" undercut
201	2'-6" x 6'-8" x 1-3/8"	2	left	4-1/2"	none	type 4/wall	1-1/4" undercut
202	2'-0" x 6'-8" x 1-3/8"	2	left	4-1/2"	carpet strip	type 3/wall	1-1/4" undercut, bumper mtd. on door
203	3'-6" x 6'-8" x 1-3/8"	4	-	4-1/2"	carpet strip	type 6	1-1/4" undercut
204	5'-0" x 6'-8" x 1"	5	-	4-1/2"	track		mirrored, details 4 and 5, p. 14
205	5'-0" x 6'-8" x 1"	5	-	4-1/2"	track		mirrored, details 4 and 5, p. 14
206	5'-0" x 6'-8" x 1"	5	-	4-1/2"	track		mirrored, details 4 and 5, p. 14
207	5'-0" x 6'-8" x 1"	5	-	4-1/2"	track		mirrored, details 4 and 5, p. 14
DOORS G1 AND G2 ON ALTERNATE "A"							
G1	2'-6" x 6'-8" x 1-3/4"	3	right	4-1/2" ext.	saddle	type 5/wall	single light in door, detail 12, p. 14
G2	8'-0" x 7'-0"	garage	-		none		electric opener w/ remote control



TWIN CASEMENT



SINGLE CASEMENT



AWNING (LOWER HALF)

WINDOW TYPES (SHOWN AS TRIMMED)

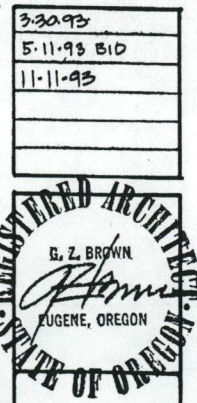
1/4" = 1'-0"

WINDOW SCHEDULE							
No.	Size (WxH)	Type	Qty.	Jamb	Head	Sill	Remarks
1	4'-0" x 4'-0"	twin casement	3	det. 11, p. 14	det. 10, p. 14	det. 9, p. 14	
2	4'-0" x 3'-0"	twin casement	2	det. 11, p. 14	det. 10, p. 14	det. 9, p. 14	
3	3'-0" x 4'-0"	lower half awning	3	det. 11, p. 14	det. 8, p. 14	det. 9, p. 14	
4	2'-6" x 4'-0"	single casement	3	det. 11, p. 14	det. 10, p. 14	det. 9, p. 14	no headers required
5	4'-0" x 2'-6"	operable skylight	2	det. 6, p. 14	det. 7, p. 14	det. 7, p. 14	
6	2'-0"/2'-4" x 3'-0"	fixed tempered	3	p. 20	p. 20	p. 20	upstairs bath relights, stopped in

PLUMBING FIXTURE SCHEDULE					
FIXTURE	W	HW	CW	MFR. & MODEL NO.	REMARKS
Kitchen Sink	2"	1/2"	1/2"	Dayton DJ-23322	Moen 7531 faucet, In-Sink-Erator #333 garbage disposal
Lavatory	1-1/2"	1/2"	1/2"	Briggs 3004	Moen 4621 faucet
Water Closet	3"		1/2"	Kilgore 130	Bemis 500-D seat, 1.5 gallon flush
Tub/Shower	2"	1/2"	1/2"	Hytex 2603-30	Moen 3931 tub spout, 3170 valve, 3901 Shower head, Price Phister 19-010 waste and overflow
Tub	2"	1/2"	1/2"	EJler AF 15315-14	Moen 062339 fittings

FINISH SCHEDULE						
No.	Room Name	Floors	Base	Walls	Ceiling	Remarks
101	Living Room	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	sheet vinyl at entry, see page 3 for
101	Dining Room	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	
102	Kitchen	Sheet Vinyl	Rubber Cove	Painted Gyp. Bd.	Painted Gyp. Bd.	see page 19 for cabinets
103	Master Bedroom	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	
104	Bathroom	Sheet Vinyl	Rubber Cove	Painted Gyp. Bd.	Painted Gyp. Bd.	
105	Hall	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	
-	Stair	Hardwood	-	Painted Gyp. Bd.	Painted Gyp. Bd.	see page 11 for finish details
201	Bedroom # 2	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	
202	Bathroom	Sheet Vinyl	Rubber Cove	Painted Gyp. Bd.	Painted Gyp. Bd.	
203	Hall	Carpet	Painted Wood	Painted Gyp. Bd.	Painted Gyp. Bd.	
204	Bedroom # 3	Carpet	Painted Wood	Painted Gyp. Bd.	Acoustical Tile	
205	Laundry Closet	Sheet Vinyl	Rubber Cove	Painted Gyp. Bd.	Painted Gyp. Bd.	see page 4 for extent of finishes

LIGHT FIXTURE SCHEDULE						
Type	Manufacturer	Model Number	Quantity	Lamp	Remarks	
A	Lights of America	C6118B-L-WH	2	18W	Exterior, Wall-Mounted	
B	Lights of America	C6118B-L-WH	2	18W	Exterior, mounted on wood post	
C	Lights of America	C1430D-PB	2	22W Circline	Foyer, Master Bedroom; cgl-mtd with C2022L-H internal hardware.	
D	Kamro	10341	1	13-W Quad	Dining Room, pendant.	
E	Lights of America	C8080-L-WH	1	2-40W	Kitchen	
F	Seagull Lighting	4918-68	1	1-13W	Kitchen, mounted on soffit	
G	Lights of America	C2020TP-L-H	2	20W	Closet, Laundry; with C4020 Snap-Fit diffuser	
H	Lights of America	C1430D-WH	2	22W Circline	Bathrooms; wall-mtd with C2022L-H internal hardware. At 2nd floor, provide pancake box to clear duct in wall.	
I	Seagull Lighting	4929-02	5	2-13W	Bedrooms, Halls, Stair Landing	
ADDITIONAL LIGHT FIXTURES ON ALTERNATE "A"						
A	Lights of America	C6118B-L-WH	2	18W	Garage exterior — wall mounted	
E	Lights of America	C8080-L-WH	1	2-40W	Garage interior	



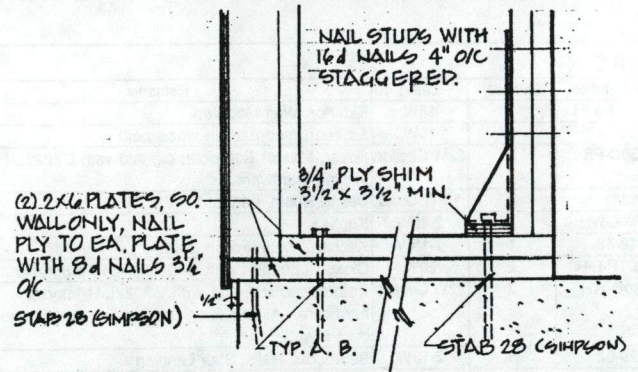
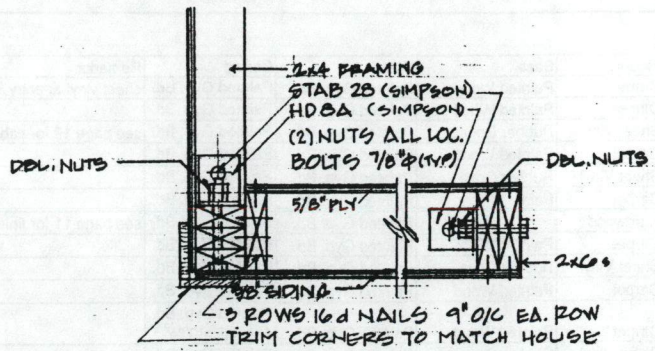
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Schedules

9.25.92 PERMIT
3.30.93
5.11.93 BID
11.11.93



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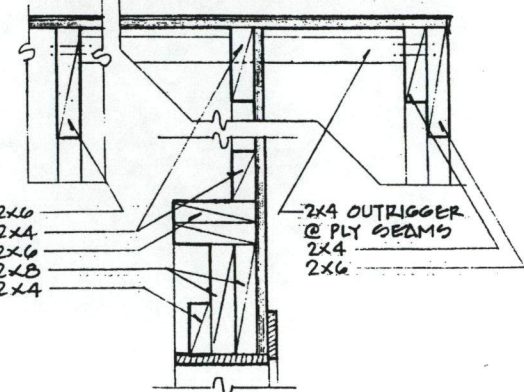
1 FRAMING DETS. @ FRONT CORNERS (TYP.)
1/2" = 1'-0"

NOTES: ALL WORK ON THIS SHEET IS INCLUDED IN ADDITIVE ALTERNATE A.

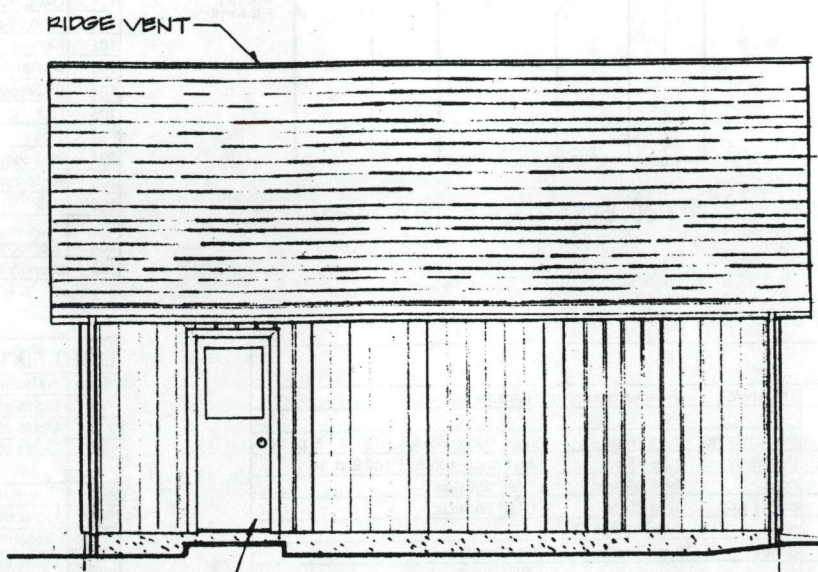
ROOF: 3-TAB COMPOSITION SHINGLES, 15# FELT PER SHINGLE MFR'S RECOMMENDATIONS, 5/8" OSB, MANUFACTURED TRUSSES AT 2'-0" O.C., 2x8 FASCIA, GUTTER AND DOWNSPOUT (DRAIN TO STREET), 2X6 RAKE BOARD. ATTACH TRUSSES WITH H-5 CLIPS (SIMPSON) TO TOP PLATE.

WALLS: 2x4 STUDS @ 24" O.C. (2x6 STUDS AT SOUTH WALL). PT. SILL PLATE, DOUBLE TOP PLATE, 5/8" DURATEMP SIDING LAPS TOP PLATE AT GABLE ENDS AND LAPS FOUNDATION WALL 1". FLASH HORIZONTAL JOINTS WITH Z-METAL, VENT AS SHOWN. NAIL PLY WITH 8d GALVANIZED NAILS, 6" o.c. AT PANEL EDGES, 4" o.c. AT TOP AND BOTTOM PLATES AND 8" IN FIELD EXCEPT 2 ROWS 3" o.c. AT SOUTH WALL AT CORNERS AND AROUND DOOR OPENING. DOUBLE 2x8 HEADER AT DOOR. 1x4 CORNER TRIM. HOLD UNTREATED METALS MINIMUM 8" FROM SOIL.

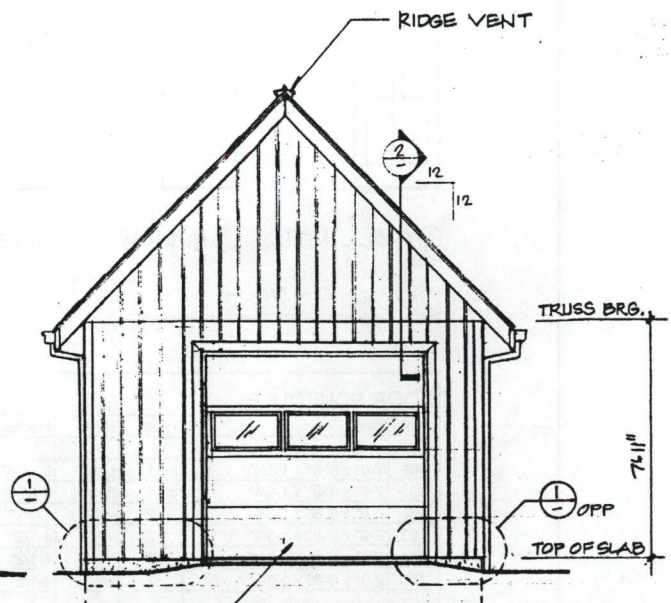
FOUNDATION: SPACE 1/2" DIA. X 10" ANCHOR BOLTS MAX 8'-0" o.c. AND MIN. 12" FROM CORNERS AND SPLICES EXCEPT SOUTH SIDE (SEE DETAIL 1/13).



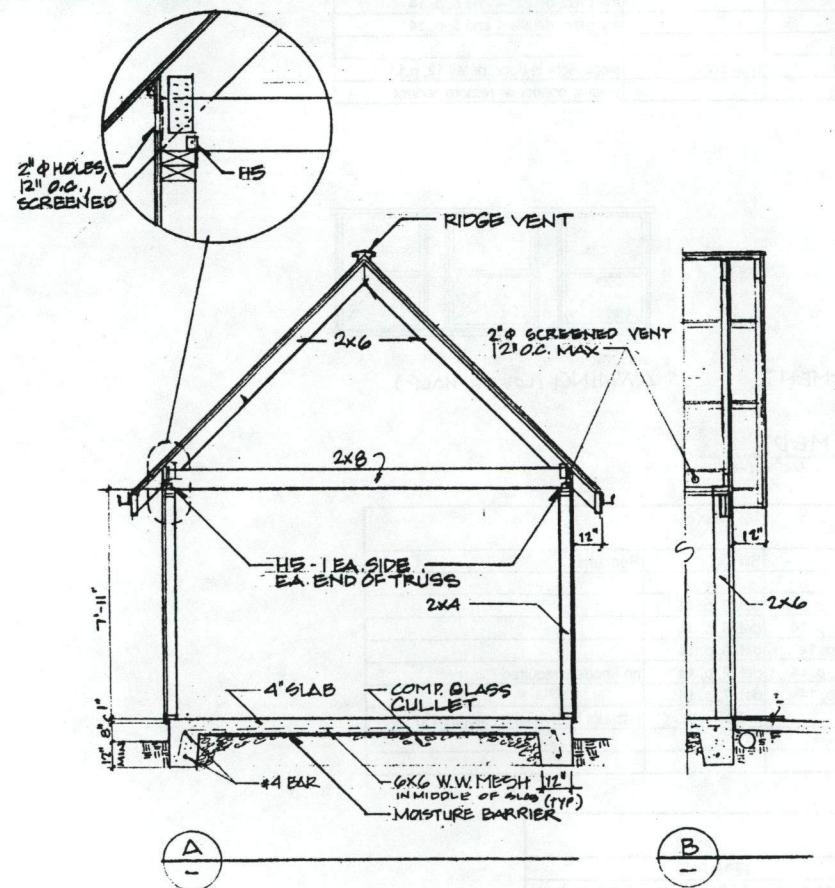
2 RAKE AND DOOR HEAD DETAILS
1/2" = 1'-0"



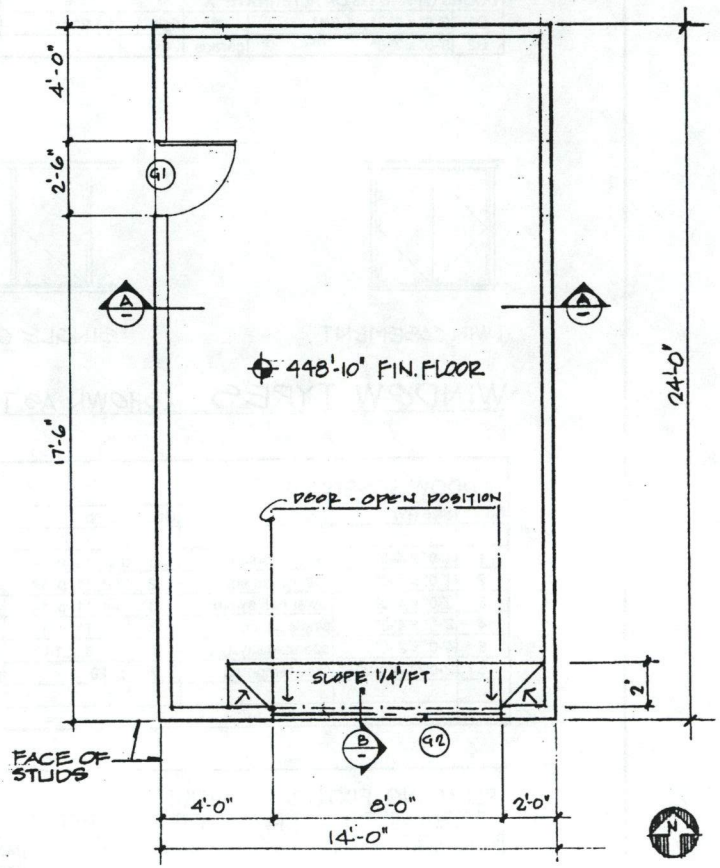
WEST ELEVATION (EAST ELEVATION SIMILAR)
1/4" = 1'-0"



SOUTH ELEVATION (NORTH ELEV. SIMILAR)
1/4" = 1'-0"



BUILDING SECTIONS
1/4" = 1'-0"



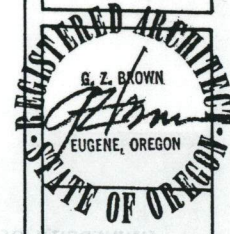
FLOOR PLAN
1/4" = 1'-0"

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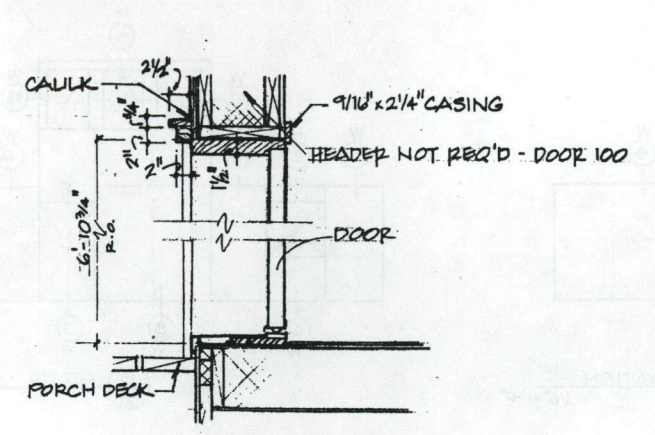
**Garage Plan, Elevations
& Section**

1.25.92 PERMIT
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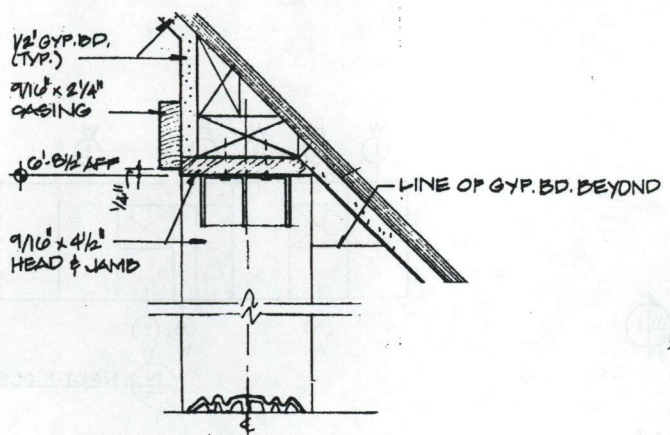


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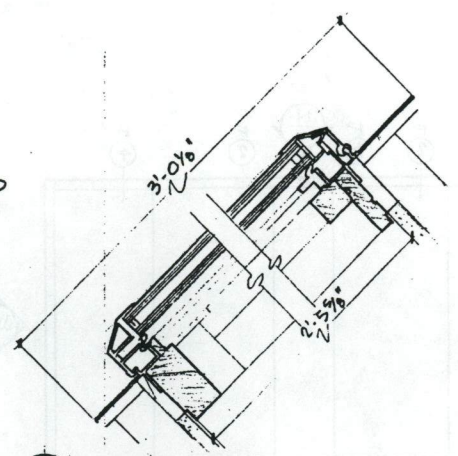
Door & Window Details



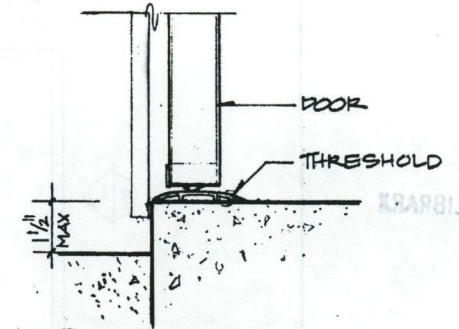
1 EXTERIOR DOORS
VERT. 1"=1'-0"



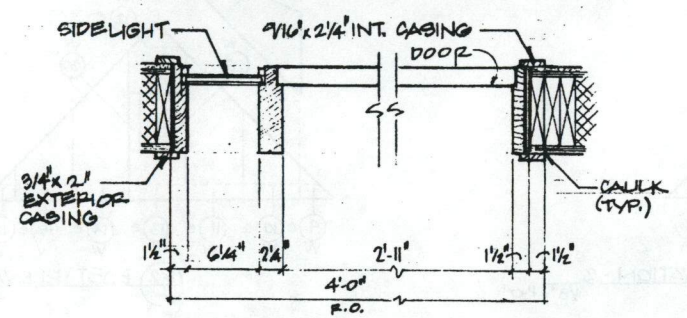
4 HEAD & TRACK - SL. CLOS. DOOR
3"=1'-0"



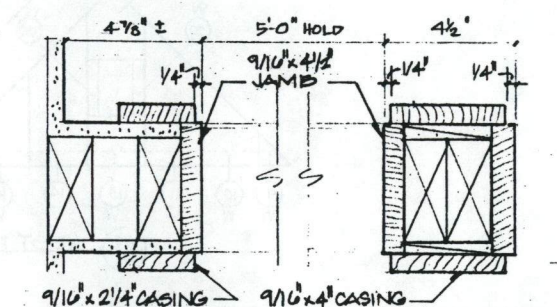
7 SKYLIGHT
VERT. 3"=1'-0"



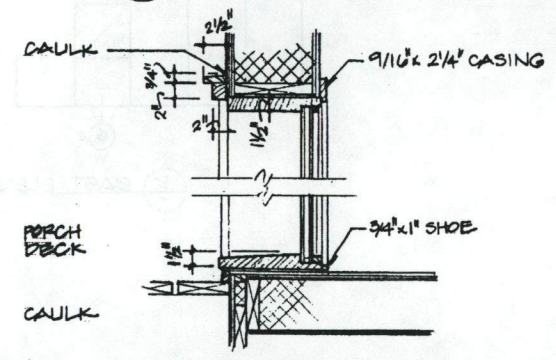
12 THRESHOLD @ GARAGE
(ALTERNATE A) 3"=1'-0"



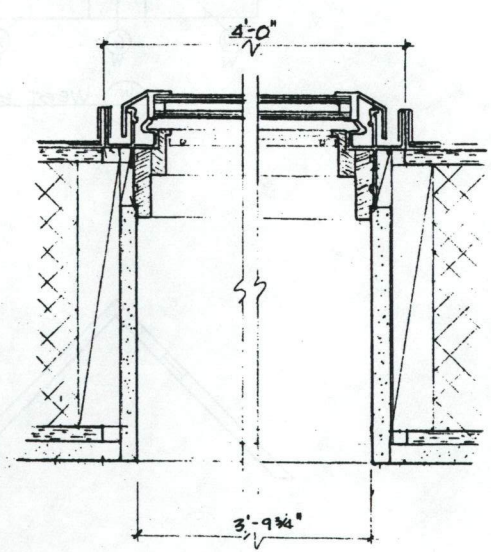
2 ENTRY DOOR - REAR ENTRY SIM.
HORIZ 1"=1'-0"



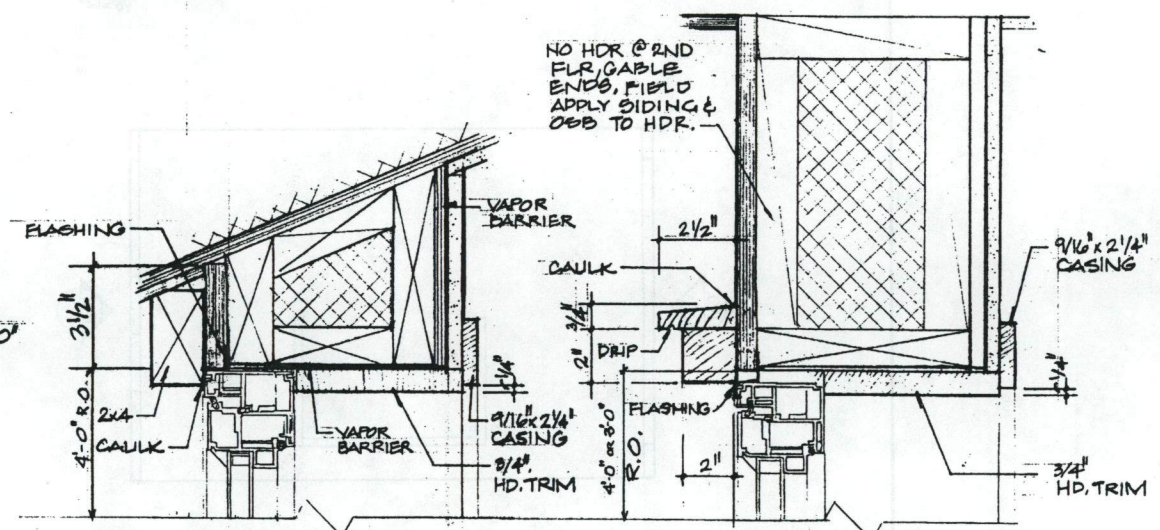
5 JAMB & MULL - SL. CLOS. DOOR
3"=1'-0"



3 SIDELIGHT @ ENTRY DOOR
VERT. 1"=1'-0"

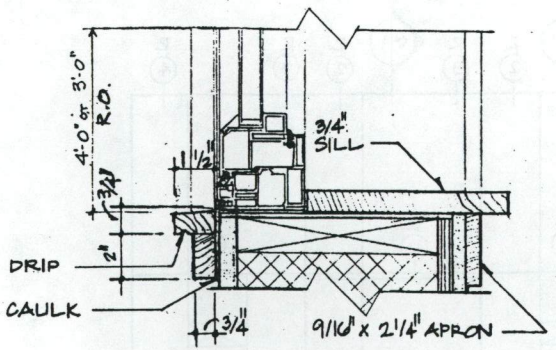


6 SKYLIGHT
HORIZ. 3"=1'-0"

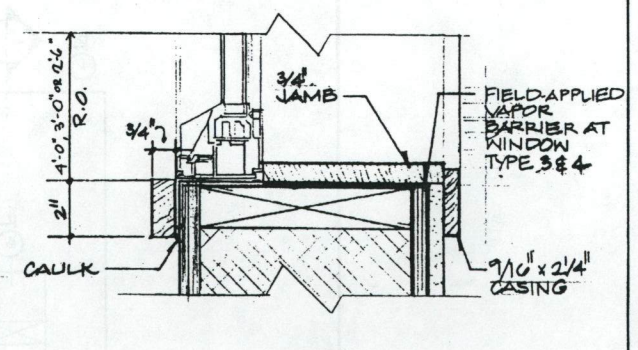


8 DORMER HEAD
3"=1'-0"

10 WINDOW HEAD
3"=1'-0"



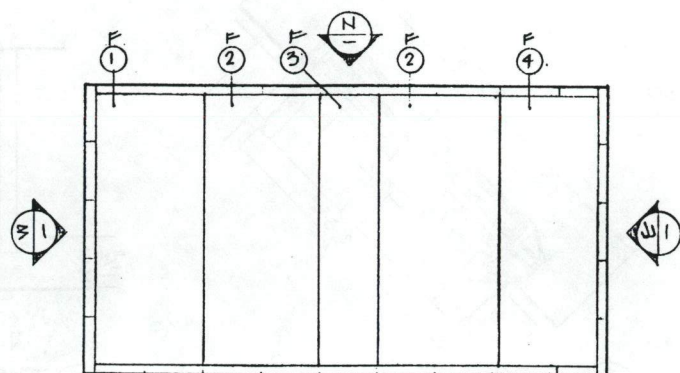
9 WINDOW SILL
3"=1'-0"



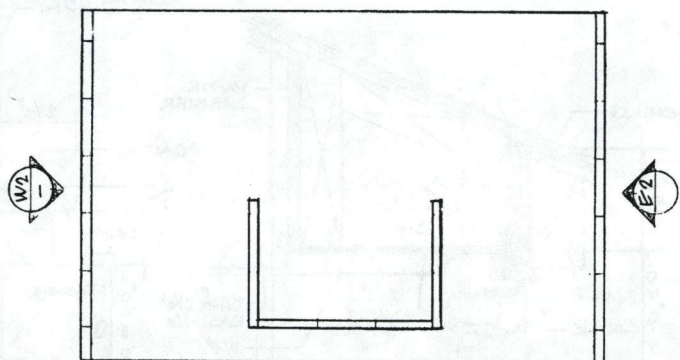
11 WINDOW JAMB
3"=1'-0"

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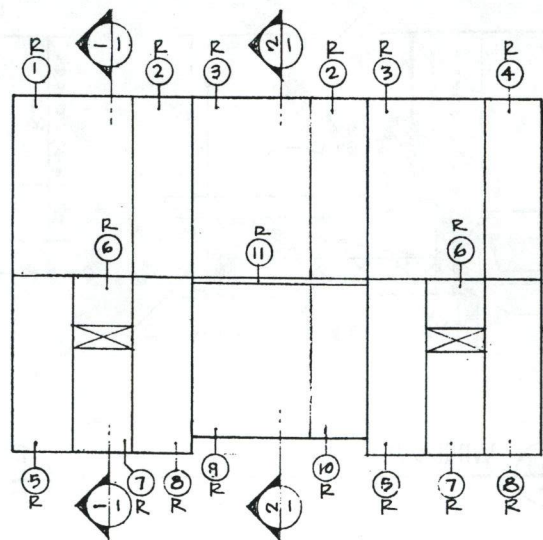
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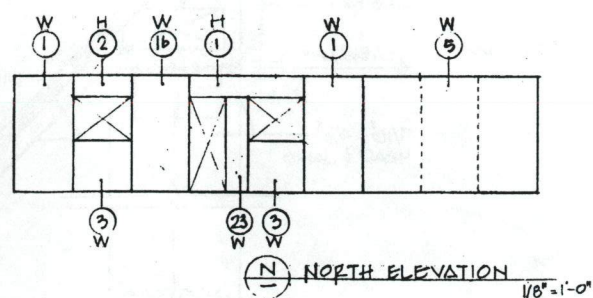
1ST FLOOR PLAN
 1/8" = 1'-0"



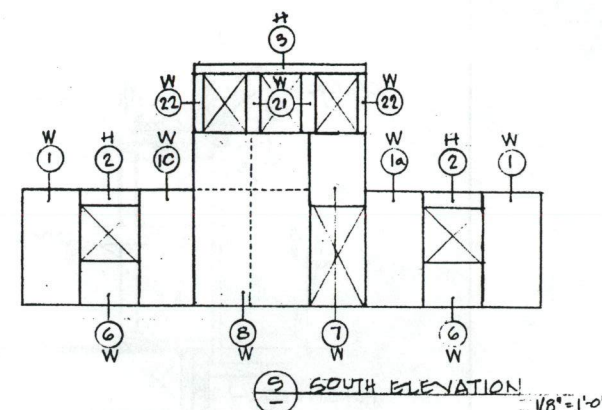
2ND FLOOR PLAN
 1/8" = 1'-0"



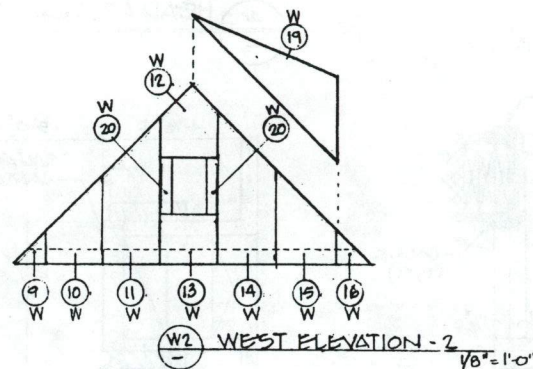
ROOF PLAN
 1/8" = 1'-0"



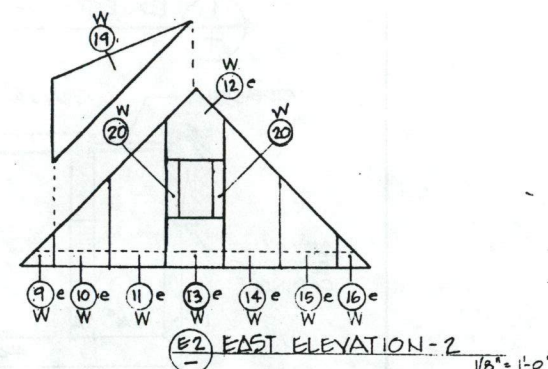
NORTH ELEVATION
 1/8" = 1'-0"



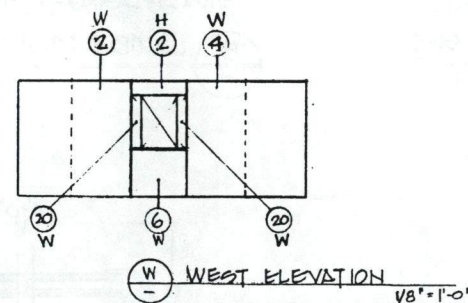
SOUTH ELEVATION
 1/8" = 1'-0"



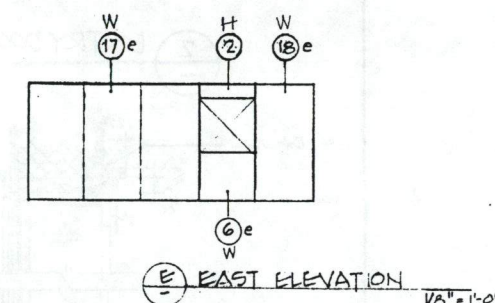
WEST ELEVATION - 2
 1/8" = 1'-0"



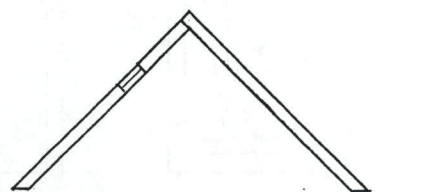
EAST ELEVATION - 2
 1/8" = 1'-0"



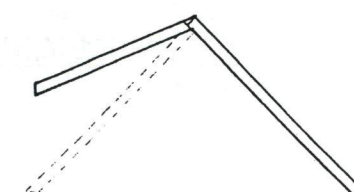
WEST ELEVATION
 1/8" = 1'-0"



EAST ELEVATION
 1/8" = 1'-0"

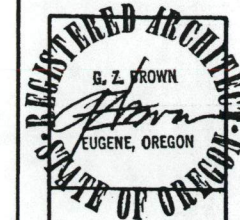


SECTION 1
 1/8" = 1'-0"



SECTION 2
 1/8" = 1'-0"

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Panel Locations

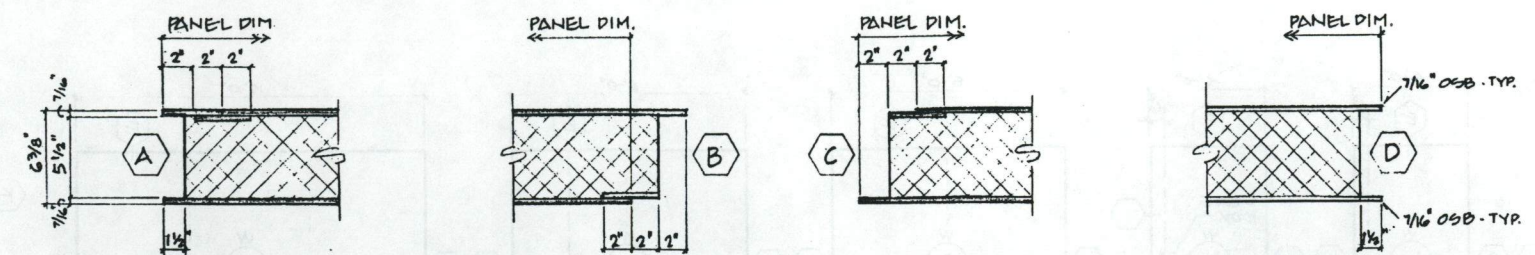
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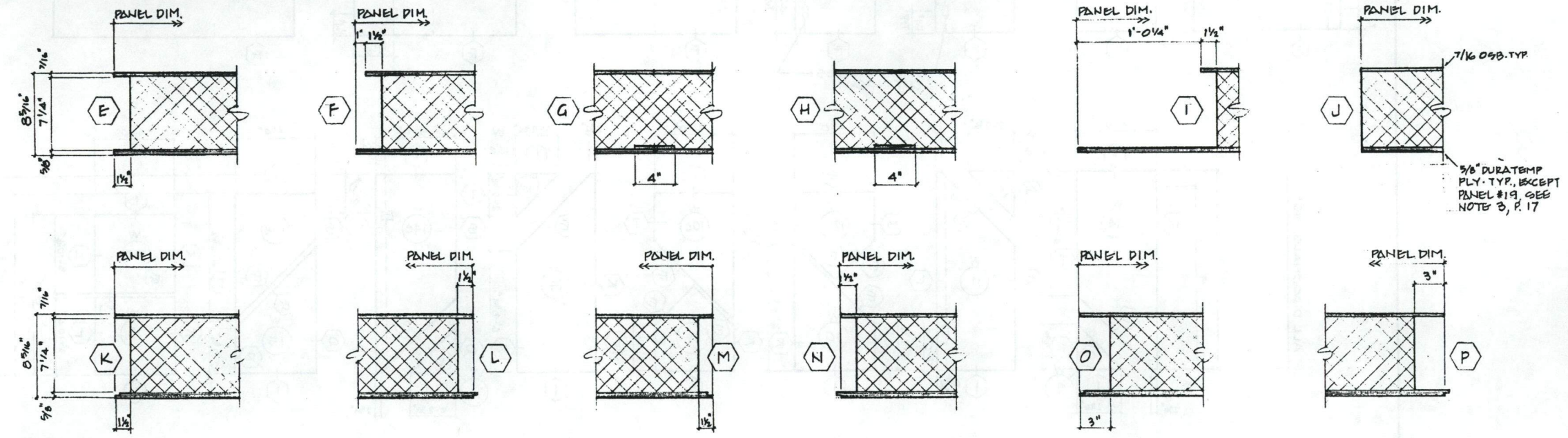


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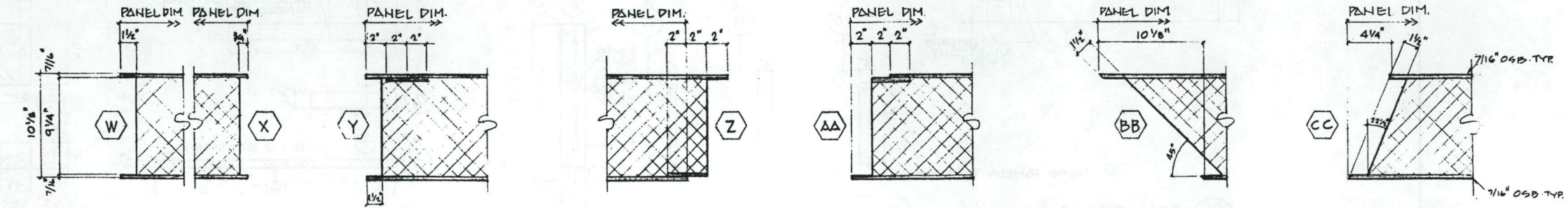
Panel Edge Details



F FLOOR PANEL EDGE DETAILS
 INSIDE FACE UP $1\frac{1}{2}'' = 1'-0''$



W WALL PANEL EDGE DETAILS
 INSIDE FACE UP $1\frac{1}{2}'' = 1'-0''$

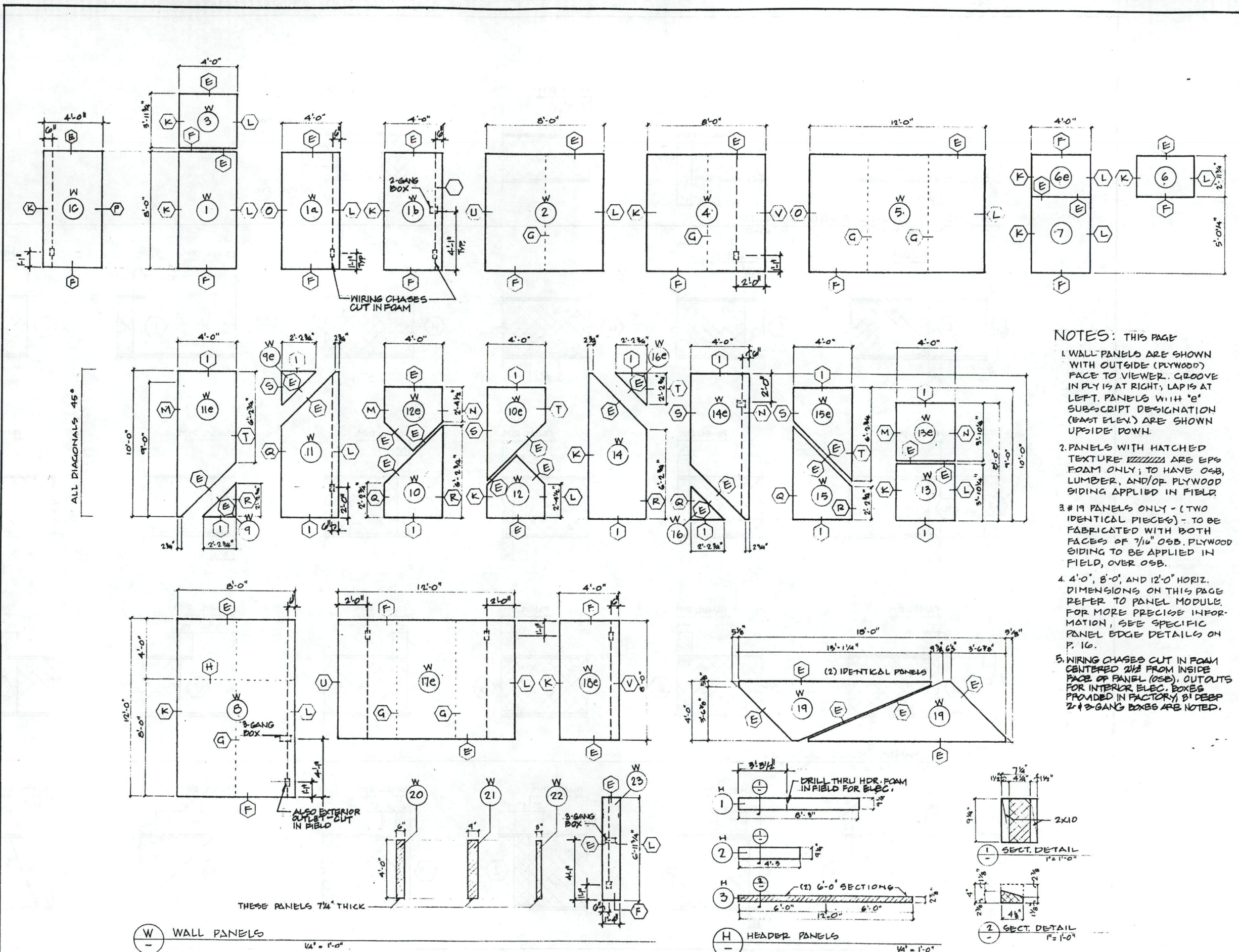
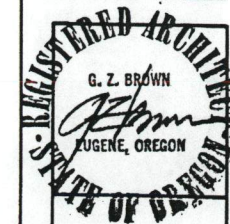


R ROOF PANEL EDGE DETAILS
 OUTSIDE FACE UP $1\frac{1}{2}'' = 1'-0''$

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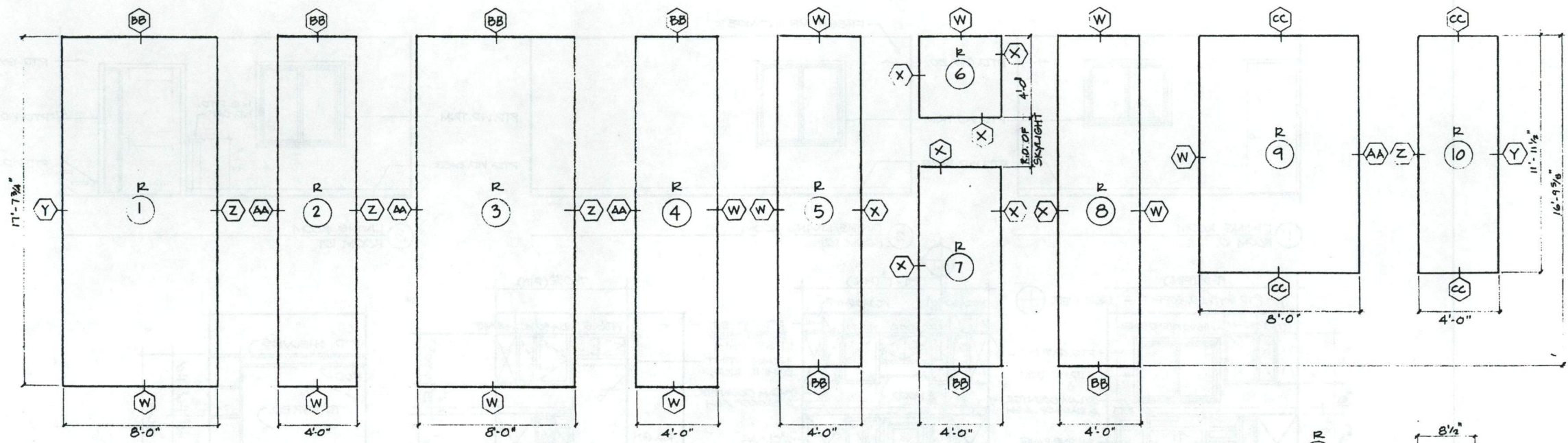
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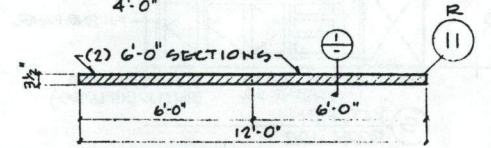
- NOTES: THIS PAGE
1. WALL PANELS ARE SHOWN WITH OUTSIDE (PLYWOOD) FACE TO VIEWER. GROOVE IN PLY IS AT RIGHT; LAP IS AT LEFT. PANELS WITH 'e' SUBSCRIPT DESIGNATION (EAST ELEV.) ARE SHOWN UPSIDE DOWN.
 2. PANELS WITH HATCHED TEXTURE ARE EPS FOAM ONLY; TO HAVE OSB, LUMBER, AND/OR PLYWOOD SIDING APPLIED IN FIELD.
 3. # 19 PANELS ONLY - (TWO IDENTICAL PIECES) - TO BE FABRICATED WITH BOTH FACES OF 7/16" OSB. PLYWOOD SIDING TO BE APPLIED IN FIELD, OVER OSB.
 4. 4'-0", 8'-0", AND 12'-0" HORIZ. DIMENSIONS ON THIS PAGE REFER TO PANEL MODULE. FOR MORE PRECISE INFORMATION, SEE SPECIFIC PANEL EDGE DETAILS ON P. 16.
 5. WIRING CHASES CUT IN FOAM CENTERED 1/2" FROM INSIDE FACE OF PANEL (OSB). CUTOUTS FOR INTERIOR ELEC. BOXES PROVIDED IN FACTORY, 5" DEEP. 2 + 3-GANG BOXES ARE NOTED.

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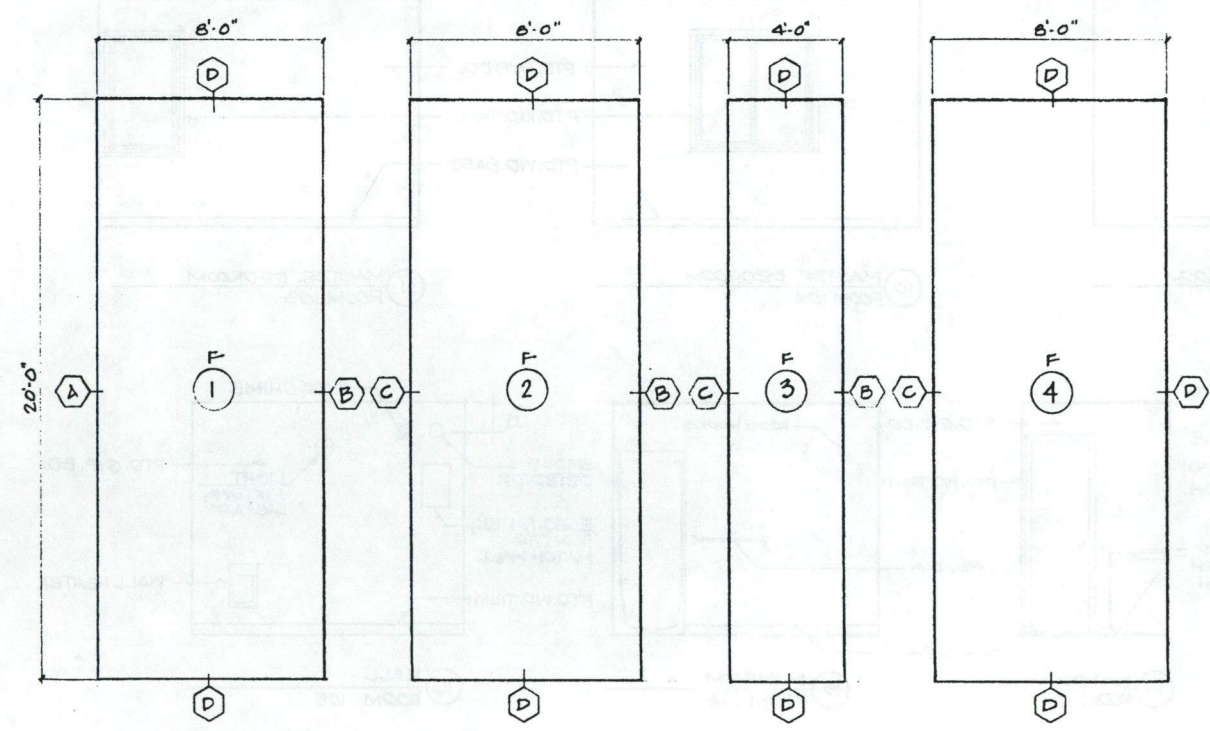
Wall Panels



R ROOF PANELS
 1/4" = 1'-0"



1 SECT. DETAIL
 1" = 1'-0"



F FLOOR PANELS
 1/4" = 1'-0"

- NOTES: THIS PAGE**
1. ROOF PANELS ARE SHOWN WITH OUTSIDE FACE TO VIEWER.
 2. FLOOR PANELS ARE SHOWN WITH INSIDE FACE TO VIEWER.
 3. PANELS WITH HATCHED TEXTURE ARE EPS FOAM ONLY.

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Floor and Roof Panels

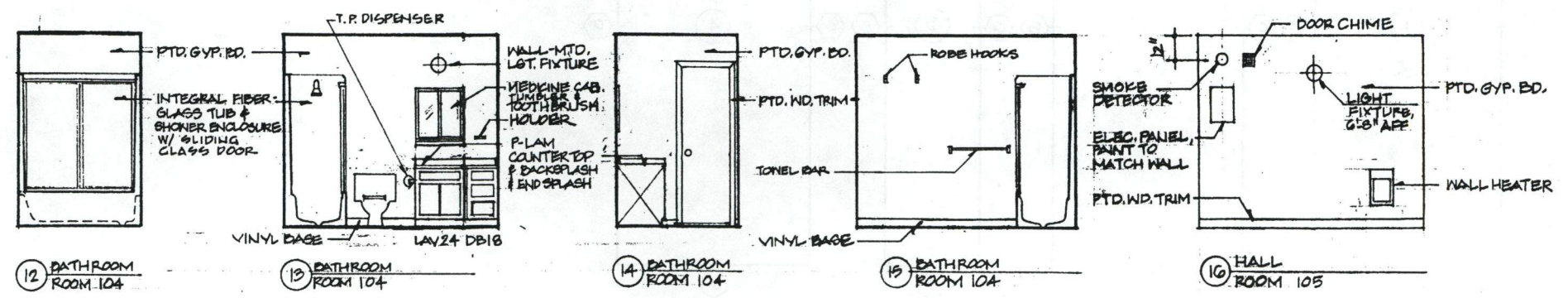
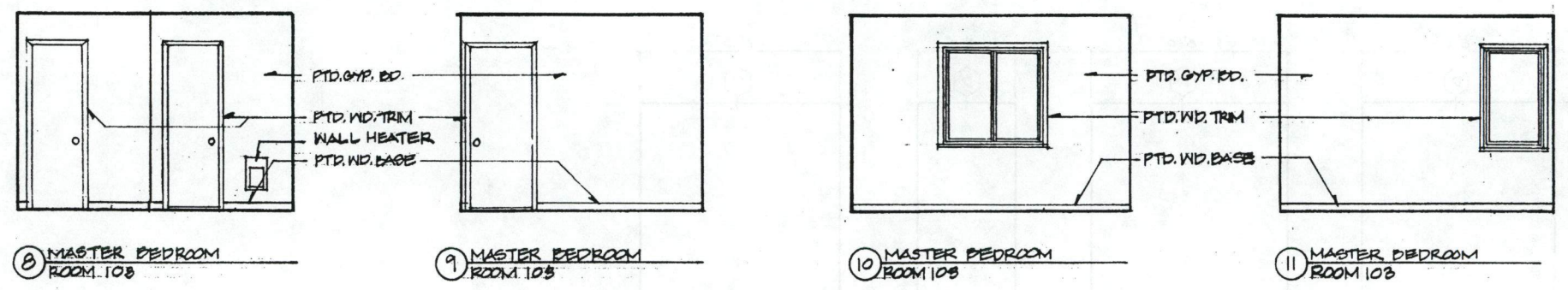
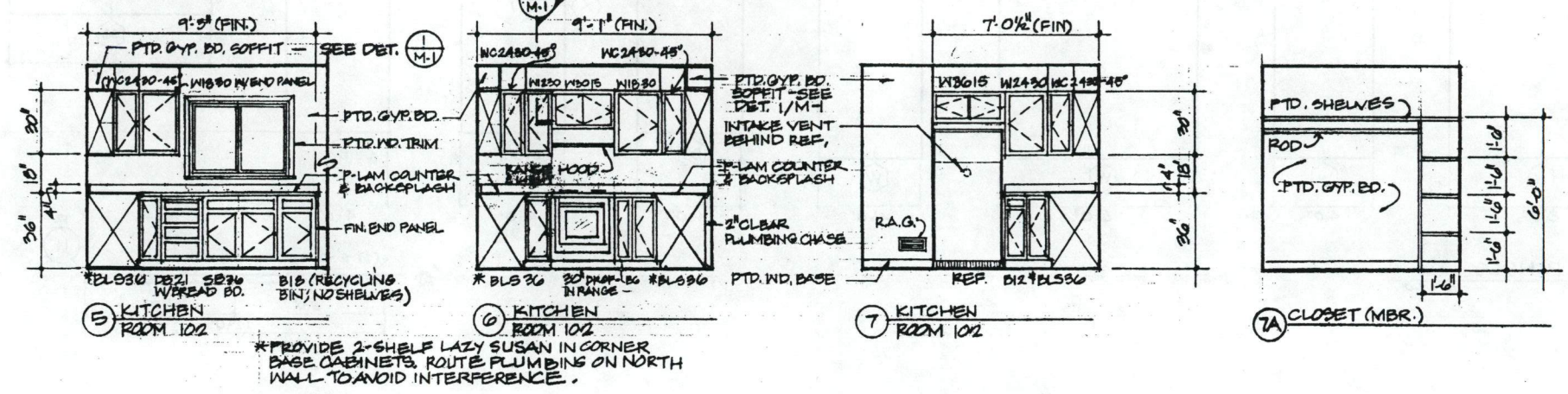
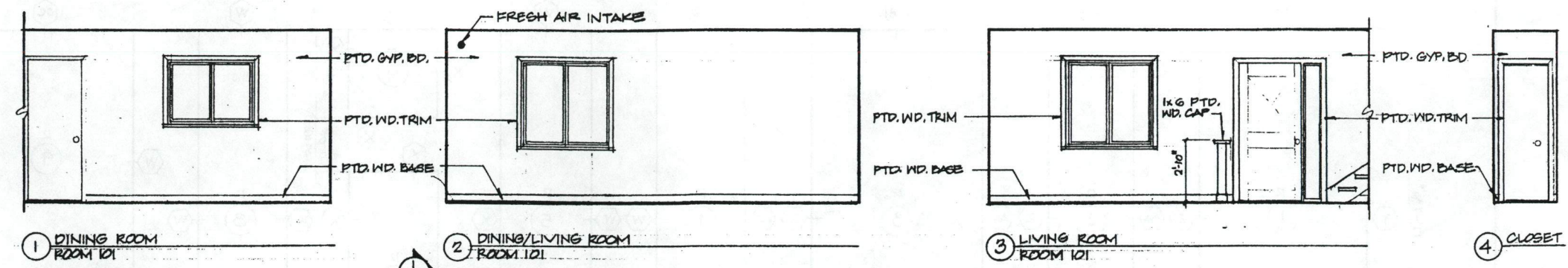
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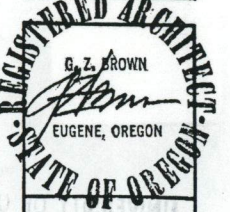
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Interior Elevations

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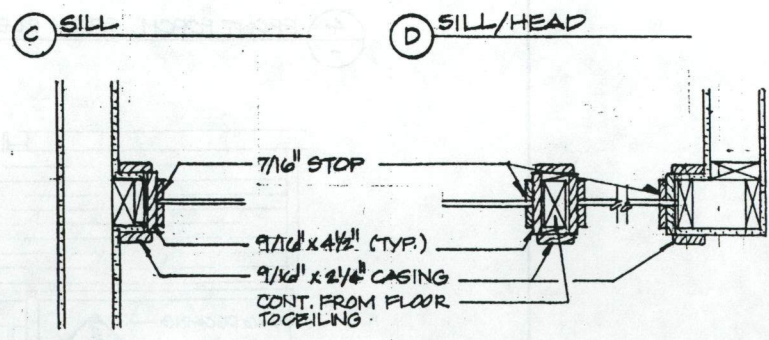
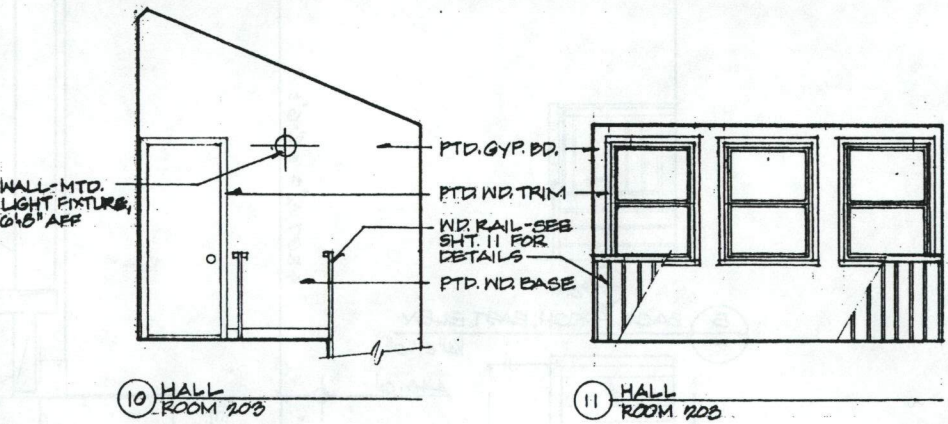
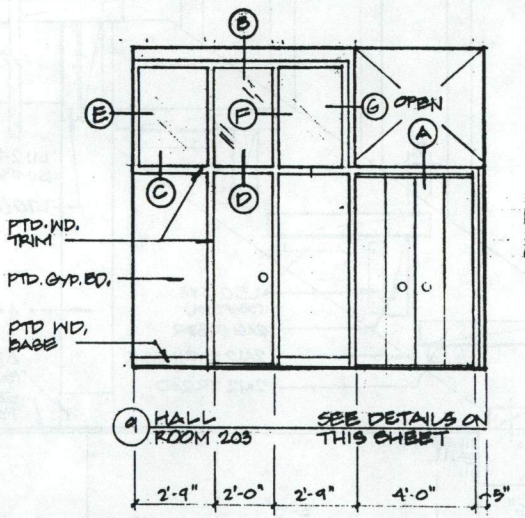
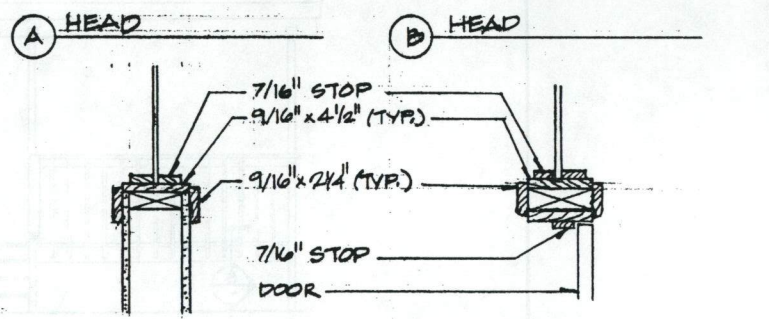
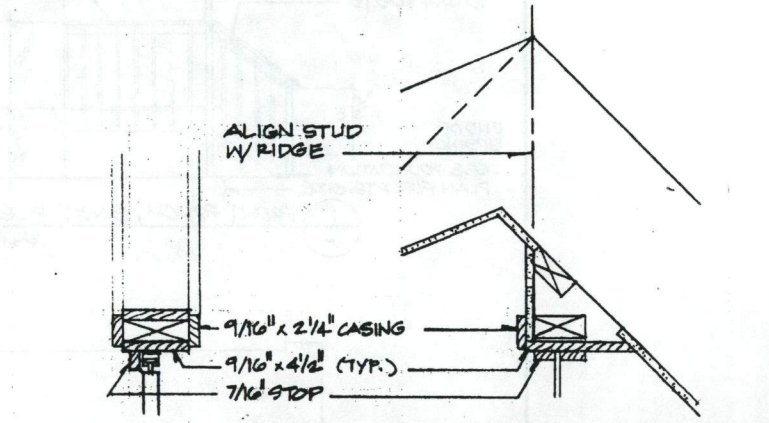
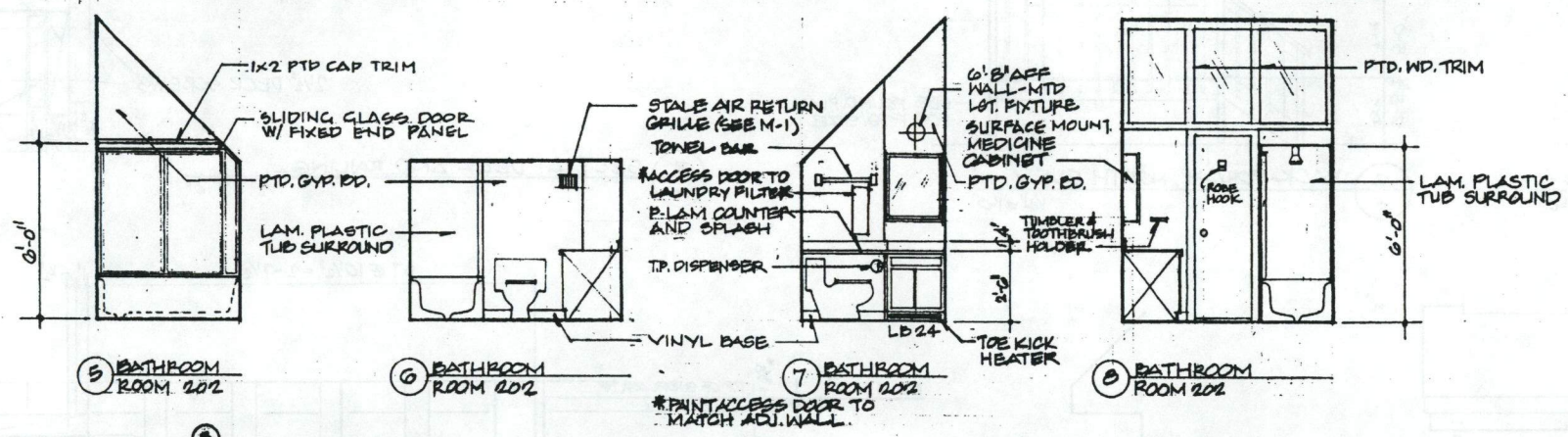
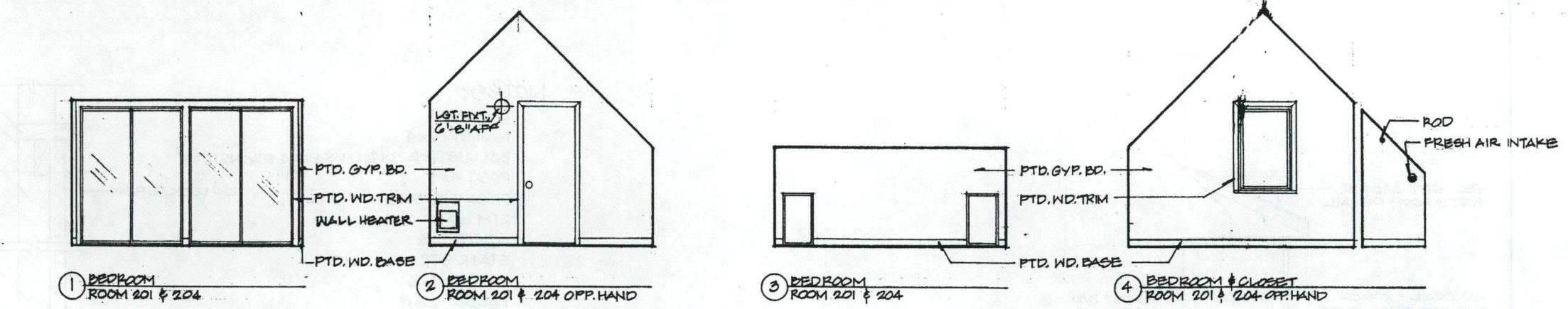


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Interior Elevations



RELIGHT DETAILS

1/2" = 1'-0"

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SCALE: 1/4" = 1'-0" UNLESS NOTED OTHERWISE

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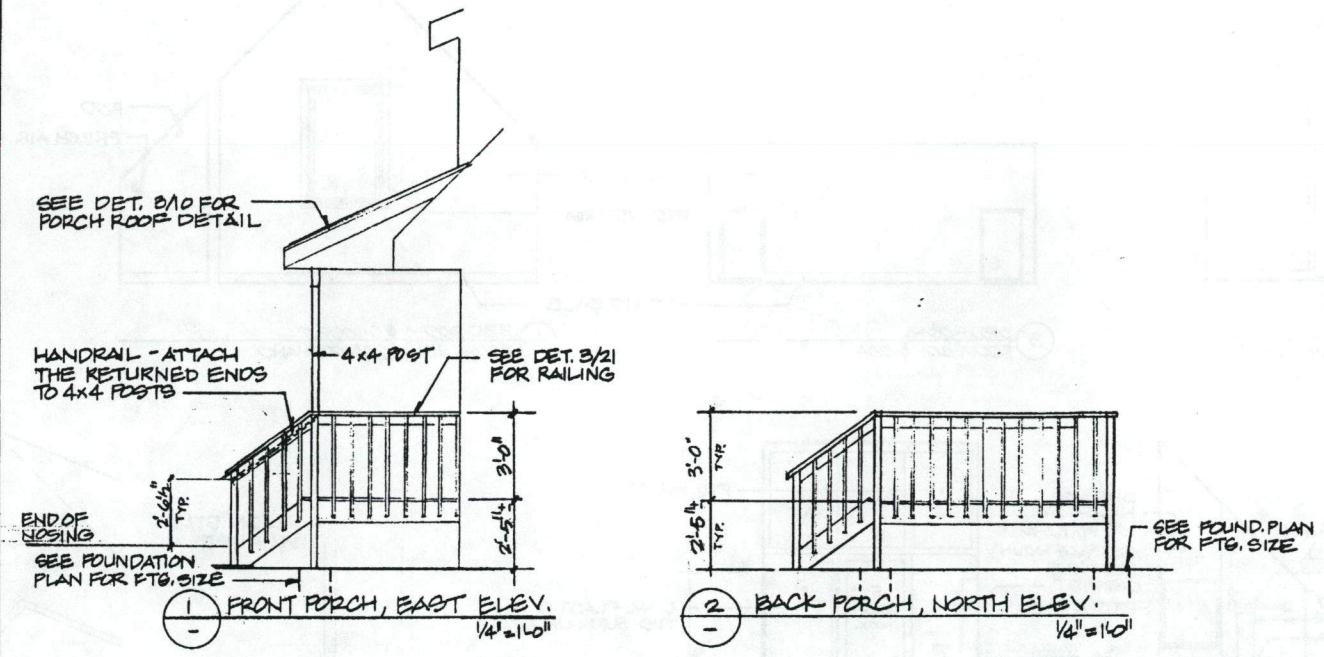
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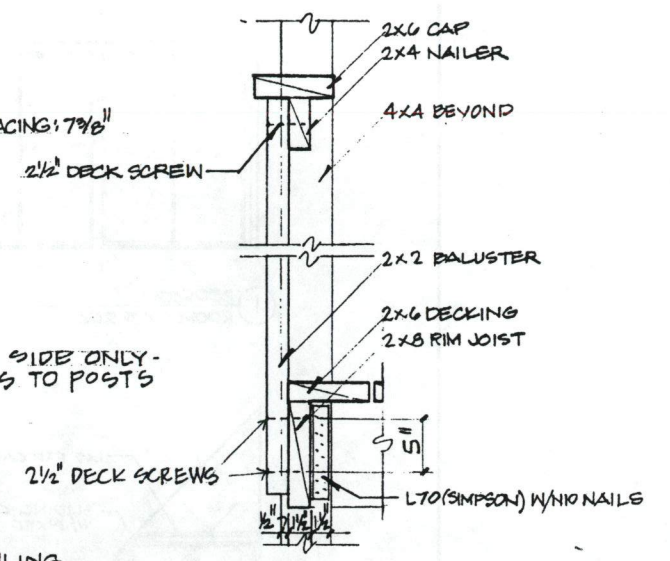
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Porch Details

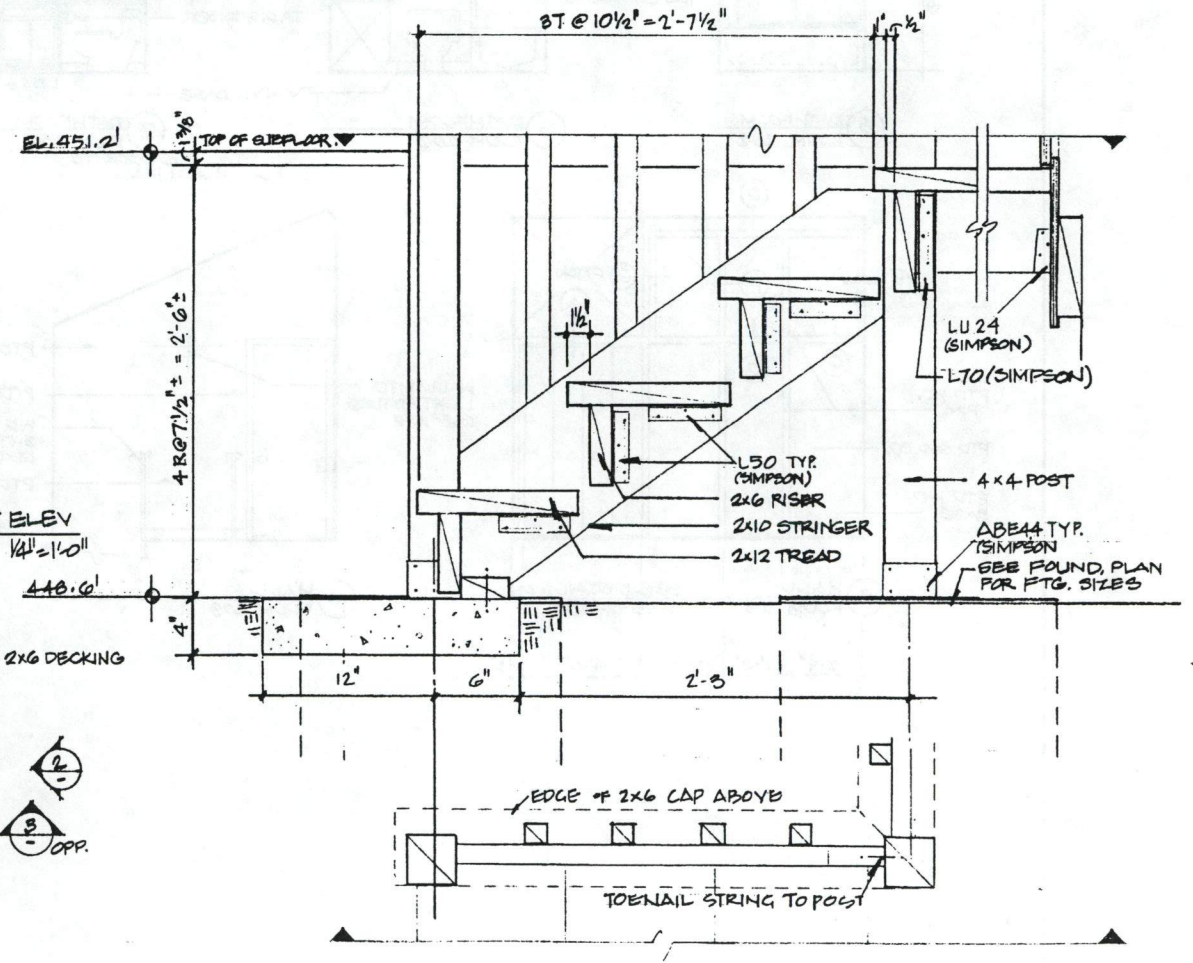
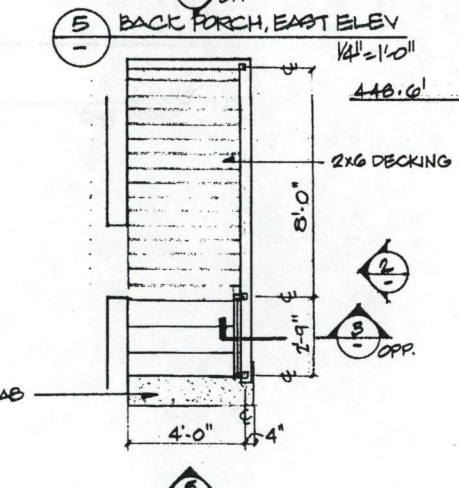
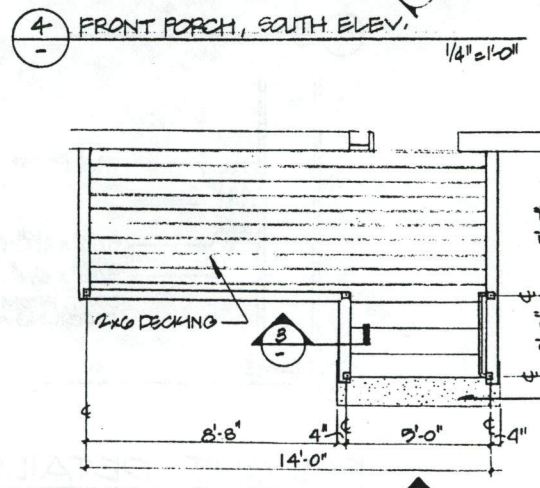
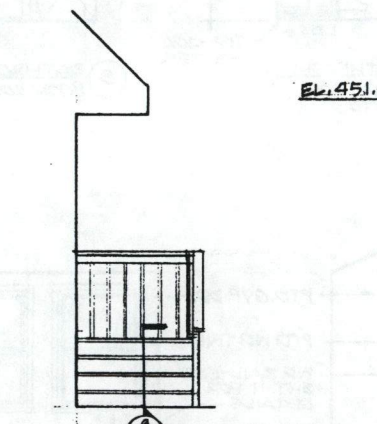
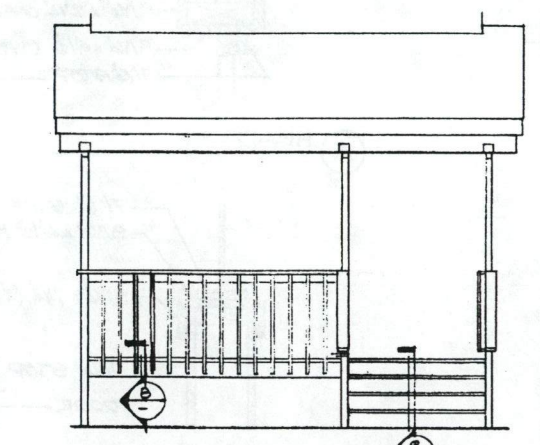


NOTES:

- CAP - 2x6
- NAILER 2x4
- BALLUSTER 2x2 - MAX @ TO E SPACING: 7 7/8"
- POST 4x4
- DECKING 2x6
- RIM JOIST 2x8
- JOIST 2x6
- STAIR STRING 2x10
- RISER 2x6
- TREAD 2x12
- HANDRAIL 2x3 - ONE SIDE ONLY - RETURN ENDS TO POSTS



3 SECT. AT DECK AND RAILING 1 1/2" = 1'-0"



8 HORIZ. & VERT. SECTIONS AT STAIR - TYP. 1 1/2" = 1'-0"

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