

GENERAL NOTES

These General Notes are to be used as a supplement to the Specifications. Any discrepancies noted among the drawings, the Specifications, these General Notes and the site conditions shall be reported to the Architect, who shall correct such error or omission in writing. Any work done by the Contractor after discovery of such error shall be done at the Contractor's risk. The Contractor shall verify and coordinate dimensions among all drawings prior to proceeding with any work or fabrication. The Contractor is responsible for all bracing and shoring during construction.

Standards

All methods, materials and workmanship shall conform to the 1979 Uniform Building Code (UBC).

DESIGN CRITERIA

Vertical Loads:	Dead Load	Roof	Floor
	Live Load	25 PSF	50 PSF

Lateral Forces

- Lateral forces are transmitted by diaphragm action of roof and floors to shear walls. Loads are then transferred to foundation by shear wall action where ultimate displacement is resisted by passive pressure of earth and/or sliding friction. Overturning is resisted by dead load of the structure.
- Wind: 25 PSF "High-Pressure-Hold" Area (20 PSF for Height $30' - 0''$). uplift - Reduced Roof Areas: 75% of wind load less 2/3 design dead load. Overhangs and Partly Enclosed Areas: 125% of wind load less 2/3 design dead load.
- Seismic: Zone 3 per 1979 UBC. W=21000, W-base Shear: Z=75, I=1.0, R=1.33, G=14. W-basal Load of Portion of Building.

Soil Bearing Pressure: 2000 PSF

All footings shall bear on firm, undisturbed earth. Areas over-excavated shall be backfilled with lean concrete (f' = 2000 PSI) or "Structural Backfill". Areas designated "Structural Backfill" shall be filled with approved backfill material. Maximum size of rock 4". From soil, organic material and deleterious matter not allowed. Compact to at least 95% of its maximum density as determined by ASTM D-1557-78. Contractor shall ensure proper care during excavation to avoid damage to buried lines, tanks, and other concealed items. Upon discovery, do not proceed with work until receiving written instructions from Architect. A competent representative of the owner shall inspect all footing excavations for suitability of bearing surfaces prior to placement of reinforcing steel. Provide drainage around all work to avoid water-softened footing.

Concrete: Shall be made with Portland Cement ASTM C-150 Type 1, coarse and fine aggregate ASTM C-33, water clean and potable, and shall be ready-mixed per ASTM C-94 unless otherwise approved. Add to all exterior concrete an air-entraining agent to attain 5% to 7% entrained air, by volume, conforming to ASTM C-260. No aluminum (oxidant, miscellaneous items, etc.) shall be embedded in any concrete.

CARPENTRY

Plywood (Structural): Shall be Group 1 or Group 2 species, C-D grade with exterior glue conforming to PS 1-74. Each piece shall bear the trademark of the American Plywood Association.

Glue-laminated Members: Conform to U.S. Product Standard PS-73 and latest editions of the "American Institute of Timber Construction" (AITC). Members shall be combination 24F-V8 Douglas Fir for simple spans (24F-V8 Douglas Fir for built-up members) with exterior glue. Architectural appearance where not exposed to view. All members to have AITC stamp. Contact as shown on Drawings and at midspan of beam or as noted. Clear 1-1/2" x dead load deflection where not indicated in drawings. All members to be to nearest standard radius.

Roofing: "Douglas Fir-Larch" No. 3, "Hem-Fir" No. 2, "P-Fir" No. 2, or "Hem-Fir" No. 2.

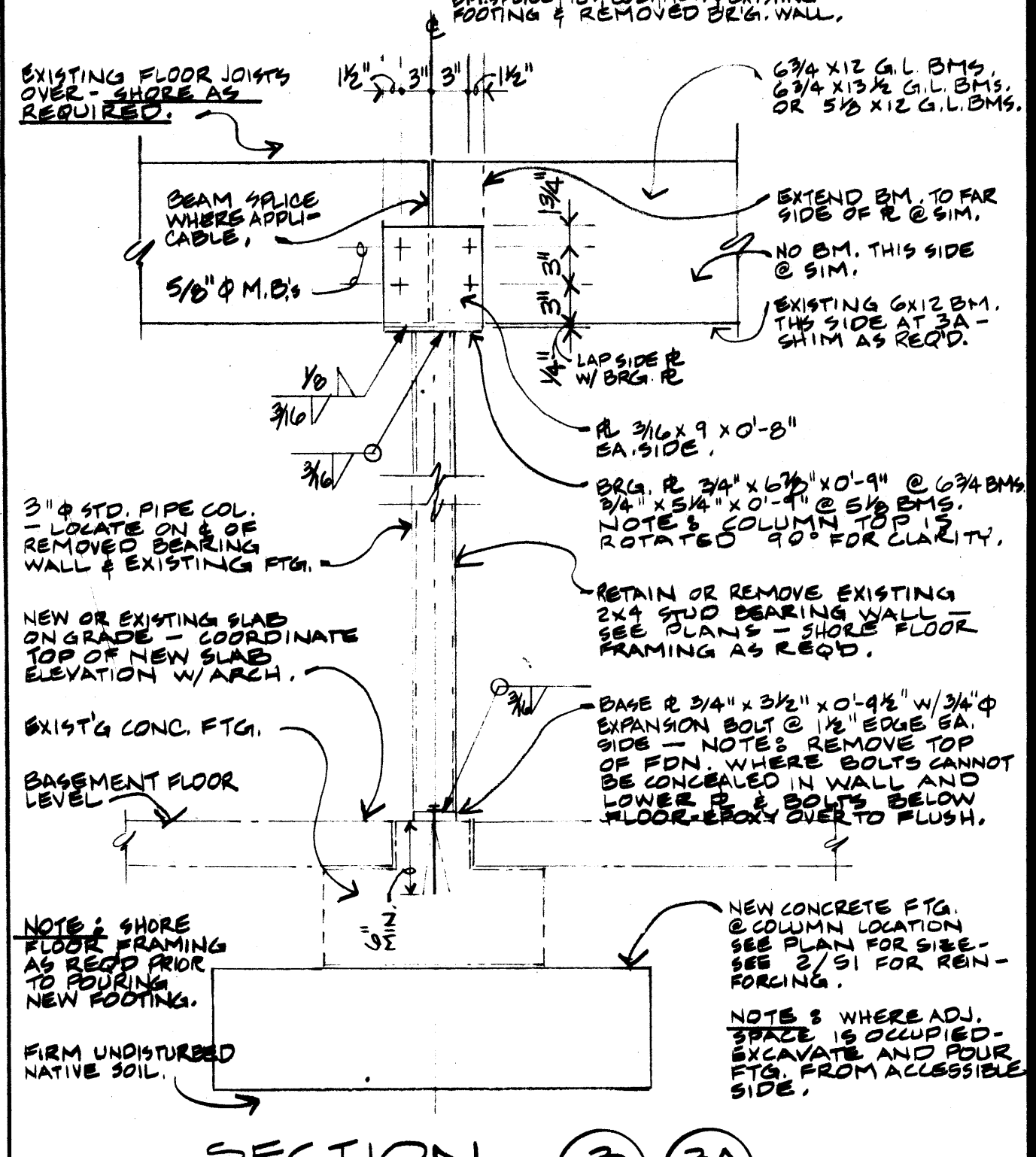
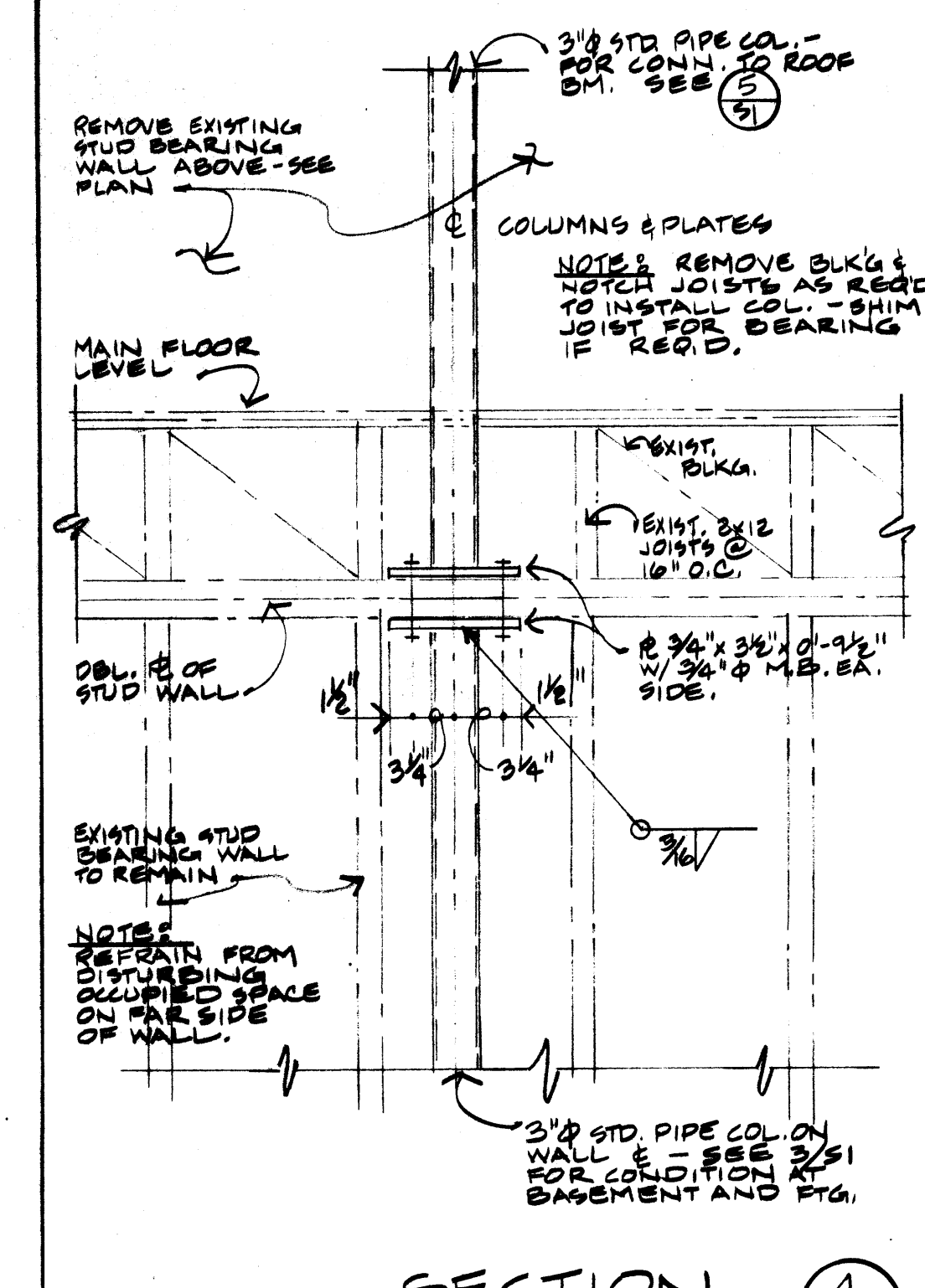
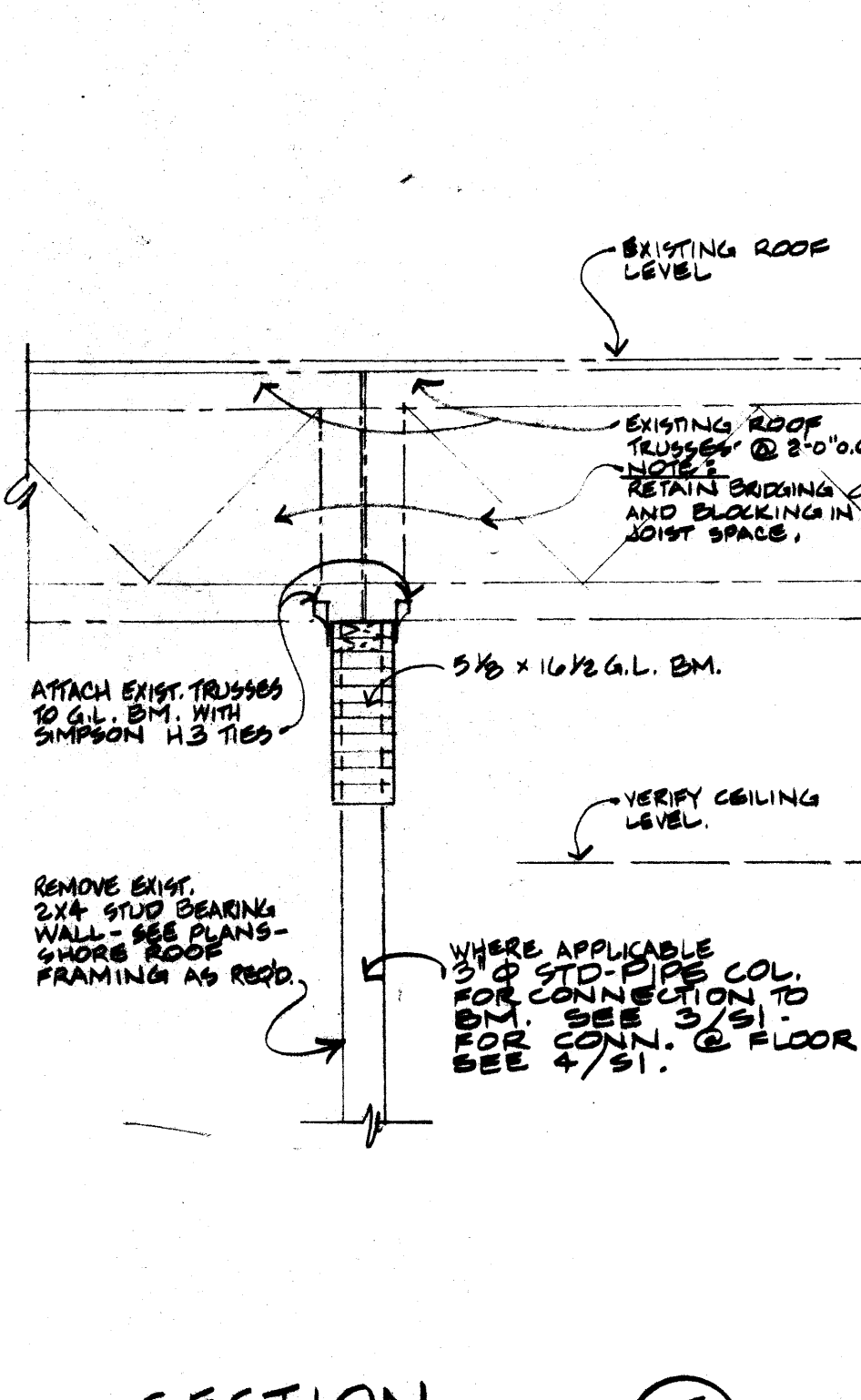
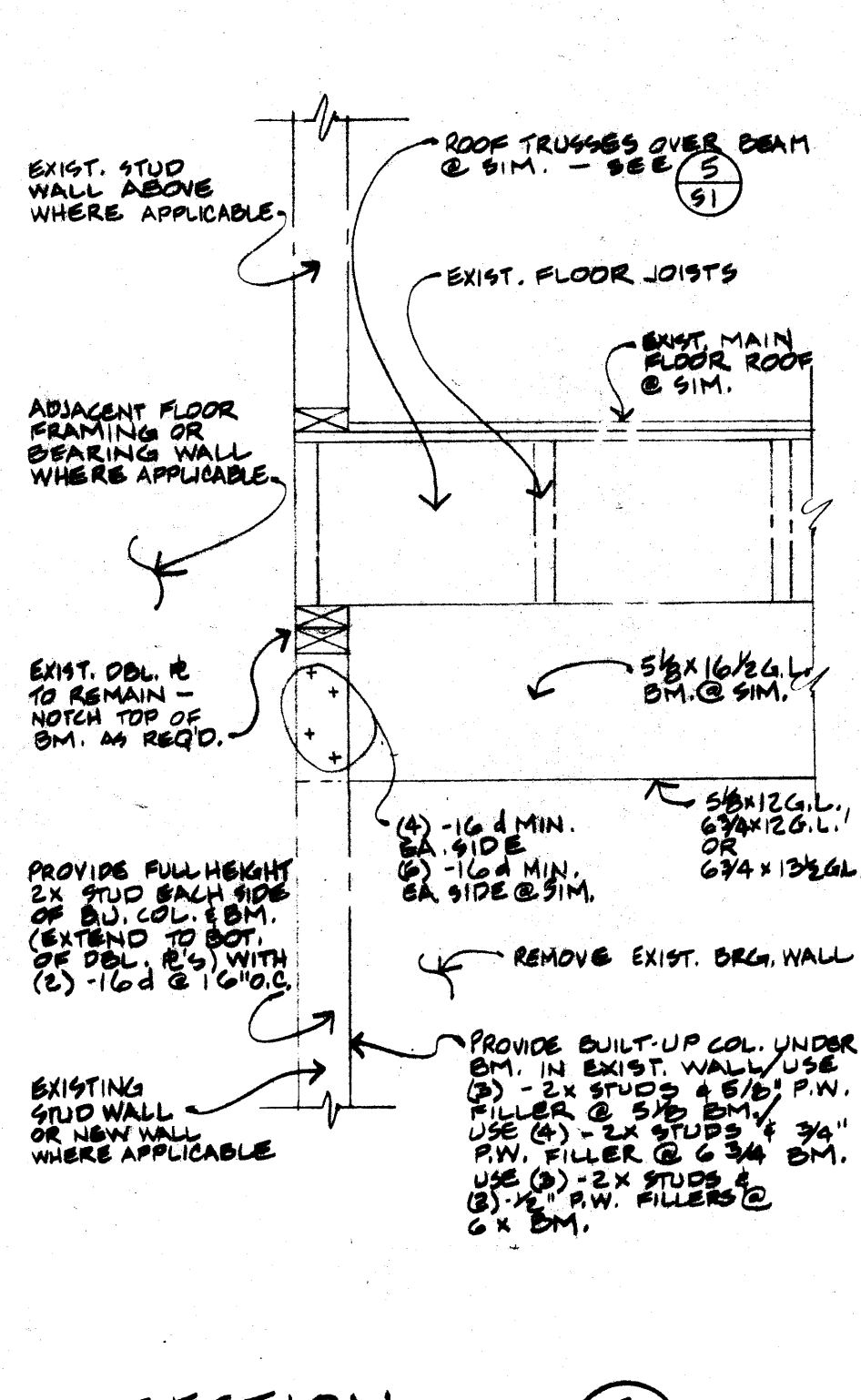
Interior Stud Wall: "Douglas Fir-Larch" No. 2 or "Hem-Fir" No. 2.

General Requirements: Provide minimum nailing per 1979 UBC Table 25-P or more as otherwise shown. Use pressure treated material where indicated in drawings. Treat all wood (not indicated in drawings) that is in contact with concrete or masonry with 3 brush coats of preservative or approved equal. Provide cut washers where bolt heads, nuts and lag screw heads bear on wood.

Carpentry Hardware:

Bolts-ASTM A-307. Provide cut washers under head and nut when bearing on wood. Nails-Common unless otherwise specified, American or Canadian Manufacture only. Framing and Anchor Connectors-shall have ICCD approval and be manufactured by Simpson Company, San Leandro, CA; P.H. Bowman Company, Inc., Seattle, WA; or approved equal.

Hardware exposed to weather or to view and in unheated portion of building or structure shall be galvanized.



Materials

Item	Minimum f'c	Minimum Cement Content	Slump Inches
Footings and Foundation Wall	3000	5	Maximum
All other concrete	3000	5	4

Place concrete per ACI 304 and conform to ACI 604 (306) Winter Concreting and ACI 605 (305) for Hot Weather Concreting. Use interior mechanical vibrators with 7000 RPM minimum frequency. Do not over-vibrate. Concrete shall be poured monolithically between construction or expansion joints. Protect all freshly placed concrete from premature drying, excessive hot or cold temperatures for seven days after pouring. Provide control joints at 24" o.c. maximum for unexposed slabs, including topping slabs, 16" o.c. maximum for exposed slabs.

Drypack Grout: Make from one part ASTM C-150 Type 1 Portland Cement, one part fine sand ASTM C-33, and one part "Bibcock" by Master Builders or equal. Mix dry as can be worked and pack solid to fill entire space under plates or shapes. Use "Bibcock 636" for nonbonded work. Use "Master-Flow 713" by Master Builders for bonded work.

Metal Reinforcement: All reinforcing shall conform to ASTM A-615, Grade 40. Detail, fabricate and place per ACI 315 and ACI 318. Splices shall be 24 bar diameters or 18" minimum. Welded wire fabric shall conform to ASTM A-82 and A-185. Lap one full mesh on sides and ends. Place at mid-depth of slab, or as shown.

STRUCTURAL STEEL

Detailing, Fabrication and Erection: Conform to the AISC "Manual of Steel Construction", 8th Edition.

Steel Shapes and Plates: ASTM A-36 (Fy=36ksi).

Steel Structural Pipe: ASTM A-53, Type F or S, Grade B (Fy=35 ksi).

Machine Bolts (M.B.) and Anchor Bolts (A.B.): ASTM A-307.

Drilled-In Anchors: "Parabolt" by USM, Inc., Wally Pastover Division, or approved equal. Drilled into concrete masonry 7 diameter minimum, except as shown.

Finish: Shop paint after fabrication with an approved primer (see Specifications). Galvanize after fabrication all miscellaneous steel exposed to weather or view.

WELDING

Structural Steel: Weld in accordance with "Structural Welding Code" AWS D-1.1-76.

Certification: All welding shall be by certified welders.

Electrodes: Use E60 electrodes.

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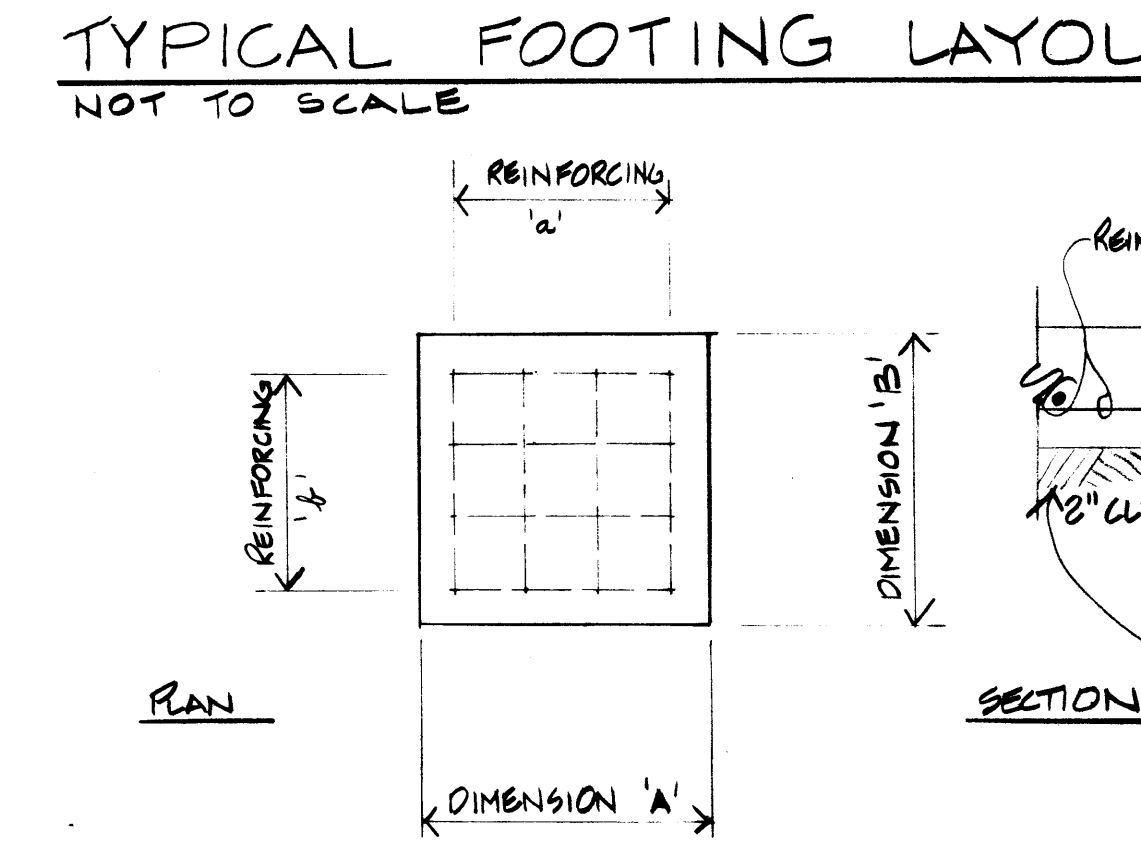
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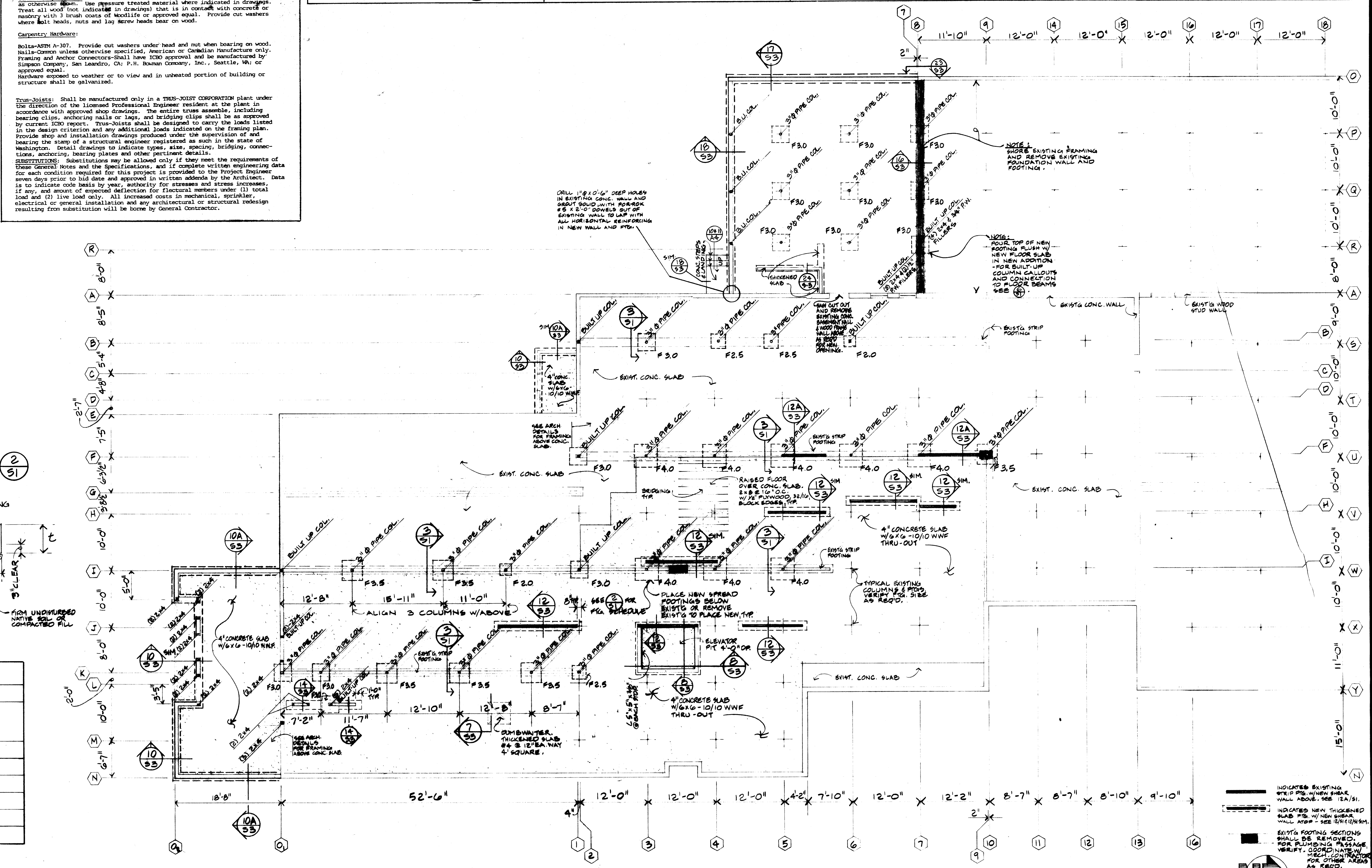
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Truss-Joints: Shall be manufactured only in a TRUSS-JOIST CORPORATION plant under the direction of the Licensed Professional Engineer resident at the plant in accordance with approved shop drawings. The entire truss assembly, including bearing clips, anchoring nails or lags, and bridging clips shall be as approved by current ICCD report. Truss-joints shall be designed to carry the loads listed in the design criteria and any additional loads indicated on the framing plan. Provide shop and installation drawings produced under the supervision of and bearing the stamp of a structural engineer registered as such in the state of Washington. Detail drawings to indicate types, size, spacing, bridging, connections, anchoring, bearing plates and other pertinent details.

CONTRACTING: Substitutions may be allowed only if they meet the requirements of these General Notes and the Specifications, and if complete written engineering data for each condition required for this project is provided to the Project Engineer seven days prior to bid date and approved in written addenda by the Architect. Data is to indicate code basis by year, authority for stresses and stress increases, if any, and amount of expected deflection for structural members under (1) total load and (2) live load only. All increased costs in mechanical, sprinkler, electrical or general installation and any architectural or structural redesign resulting from substitution will be borne by General Contractor.



MARK	DIMENSIONS	REINFORCING	REMARKS
F 2.0	2'-0" x 2'-0" x 10'	(5) #4 (3) #4	
F 2.5	2'-6" x 2'-6" x 10'	(5) #4 (3) #4	
F 3.0	3'-0" x 3'-0" x 10'	(4) #4 (4) #4	
F 3.5	3'-6" x 3'-6" x 10'	(5) #4 (5) #4	
F 4.0	4'-0" x 4'-0" x 12'	(5) #5 (5) #5	



LOWER LEVEL FOUNDATION PLAN
SCALE 1/8" = 1'-0"

GROUP HEALTH COOPERATIVE
 ADDITIONS TO CEDAR HEIGHTS MEDICAL CENTER - PORT ORCHARD, WASHINGTON
 ARCHITECTS & ENGINEERS
 FOUNDATION PLAN & DETAILS
 job number: 037
 drawn:
 date:
 S1