9. Striping: Single line 4" wide strip. Color: white. 8. A.C. Paving and Base: Refer to civil engineer's drawings and notes. SECTION 2A - SITEMORK DIVISION 1 - GENERAL CONDITIONS Reinforcing Steel Fine and coarse aggregate shall conform to A.S.T.M. C-33. A. All coment shall conform to A.S.T.M. C-150. Cement shall be Typi "Y" per U.B.C. 2604 (c) 26. Scope: Curb and Gutters: Refer to civil engineer's drawings and notes. CODE: All street still conform to the recommendations contained in the Francisco communication to the street of the francisco communication to the street of Low hydrogen welding rods shall be used for all welding of rein-forcing bars. All reinforcing steel shall be Grade 40 in accordance with A.S.T. A-615 unless otherwise noted. Construction of all forms for concrete work. Fill and Backfill: Site Utilities: Refer to plumbing and electrical engineers' drawings and notes Excess Soil: Excess soil if any, shall be placed in center of area defined for Landscaping. General Grading and Drainage: See Civil Engineer drawings and notes Sidewalks, Paving, Patterns and Specialties: Refer to landscape architect's drawings for locations. This work as shown on the landscape architect's drawings shall be performed under a separate contract. Attention General Contractor and All Subcontractors. "General Conditions of the Contract for Construction" A. I. A. Decement 201). Ineltiff Edition, dated Spril 1970 of the Secretical Institute of Norditation, pages 1-18 Including, hereinstranter referred to as Sement Conditions. See Secretical Institute of the Secretical Institute of Secretical Institute of the Secretical Institute of Secretical I All reinf, anchor bolts, and other inserts shall be secured in prior to placing concrete or grouting masonry. Splices in adjacent horiz, wall reinforcing bars shall be stagge  $4^{\circ}-0^{\circ}$  minimum unless otherwise noted. Furnishing and placing of all reinforcing steel, mesh, metal insidowels, bolts, clamps, ties, etc. See Foundation and Structural drawings for special conditions. Reinforcing shall be spliced only as shown or noted. Splices at other locations shall be approved by the engineer. Bars noted "CONT.", typical wall reinforcing and vertical column reinforcing shall have a minimum splice equal to standard lap spl Provide dowels in footings and/or grade beams the same size and number as vert, wall or column reinf, dowels shall have a minimum projection equal to standard lap splice unless otherwise noted, Furnishing and placing of concrete for mass, reinforced concrete and concrete slabs, interior and exterior. Finish grading under concrete slab, where occurs. Backfill for pipe trenches shall be compacted on both sides. Backfilling for trenches shall be compacted as specified in Soil Report. Fill materials shall be free from debris, vegetable matter, and other foreign substances. Excavations for footings both spread and continuous shall be made to the width, length, and depth required. Finish with level bottoms. Foundations: Design soil pressure = 2000 psf @ 18" below lowest adjacent pad grade, per oils investigation report Where excavations are made to depth greater than indicated, such additional depth shall be filled with concrete as specified for footings. Excavations shall be kept free of standing water. Remove soft or spongy areas and fill with well-compacted solid material. H. Provide the following ath 3E - LIGHTWEIGHT INSULATING CONCRETE FILL (AT 2ND FLOOR) facting: The set density of the concrete shall be cheesed at the point of piccement and the six adjusted to obtain the required we density. At least 4 test specimens shall be sampled at the point of piccement for each days pour or seal. By parts of meterial picted file specimens shall be protected from damps and temperature sections. Specimens up to 7 x 6° (pinders, 2 or 2° closes. Specimens are many thail be tasted in accordance with XRI (35° satisfies that senders shall not be owner-filed pilot to compressive testing. Mixing, Placing and Finishing: Elastizell Concrete shall be batch blended in a mixer approved the by manufacturer. It shall be pumped or otherwise transported to the place of final deposition by manufacturer approved methods. Weather: Elastizell Concrete abould not be placed at 'emperatures' less than 400° with a failing unemprature prefittion to would freezing before initial set. If this condition cannot be set, the applicator shall inform the Architect of precautions necessary for the installation of an acceptable deck. Cleanup: Upon completion of the work, all traces of concrete shall be removed from surfaces on which it was not scheduled to be placed Curing: The applicator shall provide for curing of the deck when conditions so require. Heavy traffic shall not be permitted on the deck. Certification: The applicator will deliver to the owner's certifi-cate from the manufacturer and co-signed by the applicator stating that the insulating concrete was installed in accordance with speci-fied requirements in effect at that time. Scope: The lightweight concrete certified applicator shall furnish labor, materials, equipment and supervision for the installation of the lightweight concrete in accordance with the drawings and specifications. Provide 3/4" chamfers at all exposed corners. K. #5 or larger reinf. bars shall not be re-bent without app the engineer 3000 psi at 28 days for all vault construction. Elastizell Concentrate shall be supplied by the Elastizell of America and installed by a certified Elastizell Concrete application. Elastizell Concentrate may be tested as describly ASTM C796-74. Mixing Mater shall be potable and free of deleterious amounts of acids, alkall, salts, oils and organic materials which would adversly affect the setting time or strength of the concent. Mix water shall be a maximum 6 gallons per sack of coment. Refer to architectural drawings for molds, grooves, ornaments, clips or grounds required to be cast in concrete and for locations of floor finishes and slab depressions. Admixtures for water reducing, retarding, accelerating, etc. may be used with Elastizell Concrete in accordance with the manufacturer's recommendations and applicable for unusual jo conditions. Portland Coment shall conform to ASTM C150 Type I, II, III block cement: Elastizell Concrete is a slurry of Portland Cement, water, and preformed foam. Use Range II Elastizell Concrete unless other wise stated. Specialty Finishes: See Drawings. Entry Mays: See Landscape Drawings. This work will be provided under a separate contract. Interior Slab: Mard, smooth surface; steel trowel. True to within 1/8" in 10 feet in all directions. Concrete flat work shall be true to within 1/8" in 10 feet in all directions, or sloped to drain as indicated on the drawings allowing no puddling to occur in the direction of flow. Bolts, anchors, and all inserts shall be accurately located and securely held in place until concrete has hardened. Place 6 mill water-proof plastic membrane. Reinforcing bars marked cont. shall be spliced with a p 40 bar dia, lep in masonry, and 30 bar dia. Lep in concr Pipes may pass through structural concrete in sleeves, but shall not be embedded therein. Concrete shall be worked in all forms, around reinforcement and embedded items and into corners. Popel or ducts exceeding one third the slab or wall whickness shall not be placed in structural concrete unless specifically detailed. See mechanical and/or electrical drawings for location of sleeves, accessories, etc. 2000 ps1 at 28 days Balow Grade (Unforled)
Below Grade (Formed)
Balls
On lums
Beside & Girders
Structural, Slab (Above Grade) **444.44** SECTION 6A - ROUGH AND FINISH CARPENTRY SECTION 5A - STRUCTURAL STEEL SECTION 44 - MASONRY Scape: Luting abord work, building or rough frame of the structure, sheathing, siding, shear punels, etc. Furnishing and final-ling all the structure, but the structure of the A. Structural Steel: All structural and misc., steel shall be standard structural sections, conforming to ASTM A-36. Field Measurements and feeplates: Contractor shall segme all field measurements required for proper and dequate fabrication and install measurements review by this section. Each measurements are the Contractor's responsibility. Furnish templates for each location frees to be embedded in concrete and manony and any setting instructions required for 11 installation ands. Scope: The furnishing and installation of all structural steel work and reflated connections as shown and noted on the drawings and specified herein. Steel Pipe: Pipe for columns and other locations shown on drawings shall be welded seamless steel pipe, conforming to ASTM A-53, Grade B. C.\* Water: Clean, fresh, suitable for domestic pu Mortar and Grout 8. Reinforeing Steel: Refer to Site Plan A. Mesonry Units Scope: Furnish and install all brick and concrete b work including rainforcing steel, as shown and noted and specified herein. All mesonry work shall be laid in common bond. A. Work shall be plumb, level and true to line. B. Grout: One part cement, 3 parts sand, 1/10 part Atbrials: Grout: Master Builders' "Embeco" Pre-mixed Grout, Churad Sovig's "Metal-Mix Grout", or approved equal, or an approved portland cement and aluminum powder pre-mixed grout I begine gots and lets, other than those with self-indefine are threads multi-but he derrich bettool correctioned series. Self-indefing threads that he the manufacture by the used in little of specific place he both threads as the brinderic pactified, solts and note shall be the regular square or heasponal head types. Anchors, Bolts, and Fastenings: Bolts and nuts shall conform to ASTM A-307 and ASTM A-563, and the following requirements. Coment mortar: One part coment, 3 parts (max.) & part lime; all parts by volume. 2) Firebrick 1) 6"W x 8"H x 16"L Grey Concrete Block, Grad Joints: Flush, vertical and horizontal. labers: Bond waiter; thall conform to American Standard and not bearing on steal and at their factions shown on and not bearing on steal and at their factions shown on a charge; terrid example; and stored and stored profile; terrid example; and stored and their and stored and their poster facts of boilt sead and and stored and s All connecting hardware, joist hangers, tie straps, etc., shall be Simpson "Strong-Tie" unless otherwise noted or shown. PROJUES & EQUIPMENT A Inch in payme or matter bearings come mails each side

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later bearing (Stronghold type)

believed mail to be bearing at the state of the st Specifically detailed connections shall be common wire nails. This mailing is typical unless otherwise moted or detailed. Typ. wails shall be box or common wire nails. NATLING SCHEDULE H. All bolts bearing on wood shall have washers under head and/or nut. See schedule. Structural members shall not be drilled out for pipes, etc., unless specifically noted or detailed. All lumber shall be Douglas Fir of the fo otherwise noted. Holes for bolts shall be bored 1/32" to 1/16" larger than nomina bolt diameter. F. 2x solid blocking shall be placed between Joists or rafters at all supports. All wood bearing on concrete or masony if less than 4'0" above grade shall be pressure treated Douglas Fir or foundation grade redwood. All structural lumber shall be graded in accordance with grading and dressing rules #16 of the West Coast Lumberman's Association D. All structural plywood shall be in accordance with P.S. 1-74. All posts shall have connections at top and bottom which shall be Simpson "OC", "CB", or "BC Half Base" unless specifically detailed otherwise. Provide 1x6 diag. let-in bracing (at approx.  $45^{\circ}$ )/every 25'-0" in all stud wells not sheathed. Brace shall run cont. from top plate to sill plate. Cross bridging shall be provided at 8'-0" o.c. for maximum for all joists and rafters more than 8" in depth use 2x3 or an ap-proved metal type bridging. All bolts shall be retightened prior to a plywood, etc. Posts and Mullions

4 x 4 & smaller

4 x 6 & larger

6 x 6 & larger Miscellaneous Lumber Stude and Plates CONSTRUCTION
PLANS 6 x & larger Blocking, furring, etc. Decking and sheathing 2x, 3x, 4x The state of stud ### ### Comm'l dex. 1450 f





2-8d 2-16d 2-16d -16d-16" o/c 6-16d 3-16d 2-16d 16d-24" o/c



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