other locations shall be approved by the engineer. E. polices in addisonal brit, aull reinforcting bars shall be staggered 4-0° minimum unless otherwise notes. F. Provide done's in footings and/or grade beams the same size and number as wert, and in orollum reinforced shall have a minimum projection depail to standard lap splice unless otherwise notes. B. All metric, another bluts, and other interest shall be secured in place prior to placing concrete or grouting masons:	And coment shall conform to A.S.T.M. C-150. Coment shall be Type And Control to A.S.T.M. C-150. Coment shall be Type And Control to A.S.T.M. C-131. 8. Fine and coivre appregate shall conform to A.S.T.M. C-131. 8. Intercting Steel A. All perforating steel shall be Grade 40 in accordance with A.S.T.M. A.A.G.S. unless otherwise model. 8. Low hydrogen welding model shall be used for all welding of redinforming bars. 6. Early coded "CONT": 1,016.3 wall rediffering and vertical column retrievorting shall have a minimum splice equal to standard by aptice. 7. Reinforcting shall have a minimum splice equal to standard by aptice. 8. De Reinforcting shall have a minimum splice equal to standard by aptice.	SECTION 24 - CONCRETE 1. Scope: A. First by grading under concrete slab, where occurs. B. Construction of all forms for concrete work. C. Farmishing and placing of concrete for mass, reinforced concrete and concrete slabs, interior and exterior. D. Farmishing and placing of all reflored exterior. D. Farmishing and placing of all reflored concrete and extractions of all reflored exterior. D. Farmishing and placing of all reflored exterior.	an motes 7. Curb and disters: Refer to civil engineer's drawings and motes. 8. A.C. Partin and Base: Refer to civil engineer's drawings and motes. 9. Stefulnes: Single line 4" wide strip. Color: white. 10. Sidewalls, Partin, Patterns and Specialities: Refer to landscape architect's drawings for locations. This work as before on the landscape architect's drawings thall be performed under a separate contract.	D. Excavations shall be hept free of standing water. E. Where accessions are ander to depth greater than indicated, such additional depth shall be filled with concrete as specified for foothers. 3. Ell1 and Backfill: A. Fill materials shall be free from debris, vegetable matter, and other foreign abstances. B. Backfilling for twenthes shall be compacted as specified in Soil's Report. C. Backfill for pipe trenches shall be compacted on both sides. General Grading and Dealmage: See Civil Engineer charings and notes. Excess Soil: Excess soil if any, shall be placed in center of area defined for Landscaping.	SETTION 2A. SITEMINE 1. Stongs: All streets shall conform to the recommendations contained in the precision of the precision	Divisible 1 - Dereal Conditions Attention Search Contracts and All Administrators Therein Conditions to the Contract Constructions A. A. December 201, health cettion, dated her! 1970 of the market Conditions and the Condition of the Conditions and the Conditions and the Conditions and the Conditions and the Conditions is desired from princial from a princial from a princial from a princial from the Conditions and the Conditions of princial from the Conditions and the conditions to the confice of the Architect.
 Weather: Elastizel Concrete should not be placed at temperatures; its than 400° with a falling temperature prediction to anoid freaties than 400° with a falling temperature prediction to be not the public before introducing the property of the public before the falling and an acceptable deci. Mining, Plating and Finishing: Elastical Concrete shall be batch blended in a stree approved the Varanticurer. It shall be pumped or otherwise transported to the place of final deposition by manufacturer approved the place of final deposition by manufacture approved the control of the pumped. 	4. Testing: The set destity of the concrete shall be checked at the donitity. At tests of each statused to obtain the required wet dentity. At tests of each statused to obtain the required wet dentity. At tests of each status part shall be sampled at the point's of placement shall be projected from changing and Expenditure set. The application of the posterior shall not be over-dried prior to compressive testings. 5. Currieg: The applicator shall provide for curring of the deck shem the deck. 6. Citansp: Unput campletion of the work, all traces of concrete shall be applicated and the control of the work.	A. Elastical Concrete is a slurry of Portland Coment, witer, and preformed foun. Use Range II Elastical Concrete unless otherwise stated. B. Portland Coment shall conform to ASTM C150 Type I, III. III or block coment. C. Hirting later hall be possible and free of observious amounts of acids, shall, satts, oil and oranic swelrisk beltowood downsty affect the acting the or timight of the discrete. Mix water shall be a maxime of allows part act of coment. D. Admitters for eater reducting, restricting, accolorating, etc. many he used with listical informet in accordance with the amountainner's recommendations and applicable for unusual Job conditions. E. Elastical Concentrate shall be supplied by the Elastical Concess by ASTM C250-III. Concentrate may be tested as described by ASTM C250-III.	3: LIBINETER INSULTING CONCRETE FILL (AT 200 F.000) 1. Scope: The lightweight concrete certified applicator hall furnish labor, materials, equipment and supervision for the installation of the lightweight concrete in accordance with the traveless at specifications. 2. Certification: The applicator will deliver to the enterior and several that the final stating concrete as intailing the applicator with specified requirements in effect at that time.	F. Concrete flat werk shall be true to within 1/8" in 10 feet in all direction on positing to occur in the direction district on the direction of the concentration of the cast in concrete and for locations of floor finishes and slab depressions. 6. Finishing A. Entry Myst. See Landscape thought, this work will be provided under a Separate contract. 7. In the concentration of the cast in work will be provided under a Separate contract. 8. In the concentration of the concentration. 9. Specialty Finishes: See Oranings.	the depiceer the depiceer A. 2000 pet at 28 days. A. 2000 pet at 28 days. A. 2000 pet at 28 days for all valit construction. Sectionably A. Pipes or ducts exceeding one third the alls or wall thickness shall see a plaintal in threatural concrete unious specifically desiried. See a plaintal in threatural concrete unious specifically desiried. Concrete ability water-proof plaintic embrane. D. Pice 6 will water-proof plaintic embrane. C. Concrete ability warred in all forms, around reinforcement and embedded lease and into compat. forms, around reinforcement and embedded lease and into compat. Security shall be concrete in alevers, but shall not be embedded threatin. E. Boilts, anothers, and all inserts shall be accuracyly decited and security sharpers.	B. Provide the following anishme protected generals of concress. In the dead (included protected generals of concress) In the dead (format) In the dead
SECTION 64 - ROLOGY AND FIRST CARPENTEY 1. Score: Laving out of work, building or rough frame of the structure, howbiting, stelling, sheer parels, est. Furnishing and installing all rough harders, tolists, track, malls, stelling, andower, etc., and fright hardenes, install all interior and exterior standing and marting them, spering, loading and all buildings specialities, losted in materials. In the second special time, losted in materials.	D. Electrodes: All arc-welding electrodes shall be low hydrogen and conform to Mottle 223 for Steel Arc Heiding [lectrodes, near the conformation of Mottle 223 for Steel Arc Heiding [lectrodes, near the conformation of the conformation of the conformation of actual use, undertures for the positions and other conformation of actual use, undertures for the positions and other conformation for the conformation of the conforma	Grade B. Charbon: Bolts, and Fatterings: Bolts not onto shall conform to ASTM A-SO, and the following recurrements. ASTM A-SO and ASTM A-SO, and the following recurrements. The charbon bolts and Muts, other than those with self-locking control of the self-locking the self-locking the self-locking the self-locking types are provided in line of uncertaing the self-locking type and approved standard types, that of the self-locking type are pre-fried. Bolts and muts shall be the regular square or headynal head types. Boll conform to American Standard BB. Z. Types. On whethers shall no therefore the self-locking type and the placed under all bolts and muts bearing on a tert with the causes more thought and the self-locking type that the self-locking type that the self-locking type than the self-locking type that the self-locking type than the self-locking type type type type type type than the self-locking type type type type type type type type	3. Field Measurements and Templeter: Contractor shill secure all field that the secure of the secure	SECTION SA - STRUCTURAL STEEL 1. Scope: The furnishing and installation of all structural itsel work and related connections as shown and noted on the diswrings and specified herein. 2. Stop braning: Signitt only desained stop drawings of all structural itselvants, giving stees, desails of habitation and construction, methods of assembly, and continue of more than an analysis of all stops and erection details, including cits, come, commettons, and rised, shall be indicated by standard welding specify in the particular stees. All welds, both approximation, but the contraction of the standard welding specific in the particular steel, and for cornect itself of the steel of the steel contraction. The steel of the steel contraction when the sits, ingular and the steel of the steel contraction and for cornect itself of the contraction and for cornect itself of the contraction and the steel con	C. Mater Clash, fresh, suttable or desette physics. 3. Writer and Grout: One party compant, 3 parts (eas) portar sand, A. part (line; all parts) parts (eas) portar sand, A. parts (line; all parts) parts (eas) portar sand, A. parts (line; all parts) parts (line). Deset line, A. shottorcing: Shall be accurately placed, and hald in place top and bottom. 4. But have hall be plueb, level and true to line. 5. Mortamenthy 6. A. Der hall be plueb, level and true to line. 6. All masonly work shall be leid in comen bond. 6. Joints: Flush, wertical and horizontal.	14. Nacome At : Machine the second of the s

Specifically desired connections shall be commentate askin.

Joint of military to idea of stude 20 doth or last for a leg and additions it in death of stude 20 doth or last for a leg stude to bearing the military stude and idea to be a leg stude to bearing the military stude and idea to death of the military stude idea to the military stude idea to death of the military students of the mi ENGLISS & EASINGTH BY FOR ALL WALL WALLTON This mailing is typical unless otherwise noted or detailed. Typ. nails shall be box or common wire nails. K. Provide lx6 diag. let-in bracing (at approx. 45°) 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. L. All posts shall have connections at top and bottom which shall be Simpson "OC", "CB", or "BC Half Base" unless specifically detailed otherwise. All bolts shall be retightened prior to application of plaster plywood, etc.

H. All bolts bearing on wood shall have washers under head and/or nut. See schedule.

F. 2x solid blocking shall be placed between joists or rafters at all supports. G. Holes for bolts shall be bored 1/32" to 1/16" larger than nominal bolt diameter.

Structural members shall not be drilled out for pipes, etc., unless specifically noted or detailed. D. All structural plywood shall be in accordance with P.S. 1-74.

 All structural lumber shall be graded in accordance with grading and dressing rules #16 of the West Coast Lumberman's Association All wood bearing on concrete or masonry if less than 4'0" above grade shall be pressure treated Douglas Fir or foundation grade redwood.

Miscellaneous Lumber

HENMO

Blocking, furring, etc. Decking and sheathing 2x, 3x, 4x

Comm'l dex. 1450 f

Posts and Mullions

4 x 6 x & larger

4 x 4 & smaller 4 x 6 & larger 6 x 6 & larger

NAILING SCHEDULE

Δ

A. All lumber shall be Do otherwise noted.

Studs and Plates
Beams



nails 2-8d All connecting hardware, Joist hangers, tie straps, etc., shall be Simpson "Strong-Tie" unless otherwise noted or shown.

CONSTRUCTION
PLANS