

DIVISION 1 - GENERAL CONDITIONS

1. Attention General Contractor and All Subcontractors.

A.1. Document 2001, Part II, Section 1, dated April 1970 of the "Standard Specifications for Construction of Buildings" is hereby referred to as General Conditions. These General Conditions shall govern the construction of the above stated General Conditions. It is understood that the General Conditions shall be subject to the amendments and additions thereto as shown on the sheets of printed A.I.A. General Conditions may be examined at the office of the Architect.

SECTION 24 - SLURRIES

1. Scope: All slurry wall forms to be constructed shall conform to the requirements specified in the "Standard Specifications for Construction of Buildings" and the "Standard Specifications for Concrete and Masonry Construction" as set forth in the "Standard Specifications for Buildings" and the "Standard Specifications for Concrete and Masonry Construction" as set forth in the "Standard Specifications for Buildings".
2. Excavations:
 - A. Excavations: Design soil pressure - 2000 psf @ 10' below lowest adjacent and grade, per OHS investigation report.
 - B. Excavations: For footings, slabs, and foundations shall be made to true vertical, except as otherwise specified.
 - C. Remove soft or spongy areas and fill with well-compacted solid material.
 - D. Excavations shall be kept free of standing water.
 - E. Where excavations are made to depth greater than indicated, such additional depth shall be filled with concrete as specified for footings.
3. ELLI and BRACKLEY:
 - A. FFI materials shall be free from debris, vegetable matter, and other foreign substances.
 - B. Backfilling for trenches shall be completed in 30 days.
 - C. Backfilling for pipe trenches shall be completed on both sides.
 - D. General Grading and Drainage: See CIVIL Engineer drawings and notes.
 - E. Excess Soil: Excess soil if any, shall be placed in center of area defined for landscaping.
6. Site Utilities: Refer to plumbing and electrical engineers' drawings and notes.
7. Curb and Gutters: Refer to civil engineer's drawings and notes.
8. A.C. Paving and Base: Refer to civil engineer's drawings and notes.
9. Striping: Single line 4" wide strips. Color - white.
10. Signposts, Pavement, Patterns and Specifications: Refer to landscape architect's drawings for locations. This work as shown on the architect's drawings shall be performed under a separate contract.

SECTION 25 - CONCRETE

1. Scope:
 - A. Finish grading under concrete slab, where occurs.
 - B. Construction of all forms for concrete work.
 - C. Finishing and placing of concrete for mass, reinforced concrete and concrete slabs, interior and exterior.
 - D. Finishing and placing of all reinforcing steel, mesh, metal inserts, conduits, bolts, sleeves, ties, etc. See Foundation and Structural drawings for specific conditions.
2. Materials:
 - A. All cement shall conform to A.S.T.M. C-150. Cement shall be Type I or Type II, per OHS, OHS (3) 88.
 - B. Fine and coarse aggregate shall conform to A.S.T.M. C-33.
3. Reinforcing Steel
 - A. All reinforcing steel shall be Grade 40 in accordance with A.S.T.M. A-615 unless otherwise noted.
 - B. Low hydrogen welding rods shall be used for all welding of reinforcing bars.
 - C. Bars need "CONF" typical wall reinforcing and vertical column reinforcing shall be placed only as shown or noted. Splices at 40' minimum unless otherwise noted.
 - D. Reinforcing bars shall have a minimum surface equal to standard lap splice.
 - E. Splices in adjacent bars shall be staggered.
 - F. Provide dowels in footings and/or grade beams, the same size and number as vert. wall or column reinforcement. Dowels shall have a minimum lap splice equal to standard lap splice unless otherwise noted.
 - G. All rebar, anchor bolts, and other fasteners shall be secured in place prior to placing concrete or production masonry.
4. K. 45 or larger rebar, bars shall not be rebar without approval of the engineer.
5. 2000 psi at 28 days for all wall construction.
6. 3000 psi at 28 days for all slab construction.
7. 4000 psi at 28 days for all concrete.
8. Concrete shall be placed in all forms, around reinforcement and embedded ties and mesh.
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10. Concrete shall be placed in all forms, around reinforcement and embedded ties and mesh.

SECTION 44 - MASONRY

1. Scope: Finish and install all brick and concrete block masonry work including reinforcing steel, as shown and noted on the drawings and specifications herein.
2. Materials:
 - A. Masonry Units:
 - 1) 8 1/2" x 8 1/2" x 16" Grey Concrete Block, Grade "X" Units, ASTM C-90.
 - 2) 8 1/2" x 8 1/2" x 16" Grey Concrete Block, Grade "X" Units, ASTM C-90.
 - B. Mortar: Clean, fresh, suitable for domestic purposes.
 - C. Water: Clean, fresh, suitable for domestic purposes.
 - D. Cement Mortar: One part cement, 3 parts (max.) mortar sand, 4 part time, all parts by volume.
 - E. Grout: One part cement, 3 parts sand, 1/2 part lime.
3. Reinforcing: Shall be accurately placed, and held in place top and bottom.
4. Non-masonry:
 - A. Work shall be plumb, level and true to line.
 - B. All masonry work shall be laid in common bond.
 - C. Joints: Flush, vertical and horizontal.

SECTION 54 - STRUCTURAL STEEL

1. Scope: The finishing and installation of all structural steel work and related connections as shown and noted on the drawings and specifications herein.
2. Shop Drawings: Submit fully detailed shop drawings of all structural steel members, including connections, to the Architect for approval. Drawings shall include all dimensions, grades and locations of members, anchors, and all accessories, and shall be checked by the steel erector before erection. Shop drawings shall be submitted to the Architect with the steel erector's certificate of inspection. Drawings shall show the size, length and type of members, and the shop drawings shall be fabricated or delivered to the shop drawings. Shop drawings shall be checked and approved by the steel erector. Shop drawings shall be checked and approved by the steel erector.
3. Field Measurements and Inspection: Contractor shall secure all field measurements required for proper and adequate fabrication and installation of all structural steel members, including connections, and shall be responsible for the accuracy of all measurements. Contractor shall be responsible for the accuracy of all measurements. Contractor shall be responsible for the accuracy of all measurements.
4. Materials:
 - A. Structural Steel: All structural steel shall be standard grades of steel as specified on the drawings.
 - B. Shop Bolts: All shop bolts shall be standard grades of steel as specified on the drawings.
 - C. Anchor Bolts and Fasteners: Bolts and nuts shall conform to ASTM A-307 and ASTM A-325, and the following requirements:
 - 1) Machine bolts and nuts, other than those with self-locking nuts, shall be galvanized steel, or other corrosion resistant surface treatment. Self-locking nuts shall be the manufacturer's approved standard type. Self-locking nuts shall be the manufacturer's approved standard type.
 - 2) Washers shall be standard flat washers, or other corrosion resistant surface treatment. Washers shall be the manufacturer's approved standard type.
 - 3) Nuts shall be standard hex nuts, or other corrosion resistant surface treatment. Nuts shall be the manufacturer's approved standard type.

SECTION 64 - ROOF AND FINISH CONCRETE

1. Scope: Laying out of work, building or rough frame of the structure, including all formwork, reinforcement, and other work as shown and noted on the drawings and specifications herein.
2. Materials:
 - A. Concrete: All concrete shall be in accordance with the specifications herein.
 - B. Mortar: One part cement, 3 parts (max.) mortar sand, 4 part time, all parts by volume.
 - C. Grout: One part cement, 3 parts sand, 1/2 part lime.
3. Reinforcing: Shall be accurately placed, and held in place top and bottom.
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CONSTRUCTION PLANS

Item	Description	Quantity	Unit
1	1/2" x 1/2" x 1/2" rebar	100	lb
2	1/2" x 1/2" x 1/2" rebar	100	lb
3	1/2" x 1/2" x 1/2" rebar	100	lb
4	1/2" x 1/2" x 1/2" rebar	100	lb
5	1/2" x 1/2" x 1/2" rebar	100	lb
6	1/2" x 1/2" x 1/2" rebar	100	lb
7	1/2" x 1/2" x 1/2" rebar	100	lb
8	1/2" x 1/2" x 1/2" rebar	100	lb
9	1/2" x 1/2" x 1/2" rebar	100	lb
10	1/2" x 1/2" x 1/2" rebar	100	lb

CRAIG COMBS ASSOCIATES

ARCHITECT

1535 MONROVIA AVENUE NEWPORT BEACH, CALIF. AREA CODE 714-645-8046

TOP DRAWING

DATE

OWNER

REV. 1-75

1-75