

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL

- 1. GENERAL
A. The requirements of the General Conditions of the agreement and this General Requirements apply to the several trade sections with the same force as though fully repeated in each trade section.

2. SCOPE OF WORK

- A. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable buildings as defined herein and shown and detailed on drawings.

3. WORK NOT INCLUDED

- A. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.

4. WHEELS AND HITCH

- Shall remain the property of the Contractor.

5. ACCESSIBILITY OF SITE

- The School District shall provide access to the site for the installation of buildings. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for the move-in of buildings shall be the responsibility of the School District.

6. GENERAL CONSTRUCTION

- A. Structural Frame - Each module shall be designed as a moment frame structure to withstand vertical and horizontal loads and comply with requirements of the Division of the State Architect. The necessary provisions are incorporated in the structure to permit the relocation of the structural frame in sections not exceeding 12 feet in width.

SECTION 3A CAST IN PLACE CONCRETE

- 1. SCOPE OF WORK
A. Contractor shall provide all materials, labor and services for concrete work indicated on drawings.

2. MATERIALS

- A. Portland Cement - Type 1, standard brand, ASTM C-150

3. WORKMANSHIP

- A. Minimum compressive strength of 28 days - 3000 psi; minimum aggregate size 1/2"; minimum 8.1 gallons of water per sack of cement; minimum of 7.0 sacks of cement per yard; maximum slump 4". Transit mixed concrete shall be used.

SECTION 5A STRUCTURAL AND MISC. STEEL

- 1. SCOPE OF WORK
Contractor shall provide all materials, labor and services as specified and indicated on the drawings.

2. MATERIALS

- A. Structural Steel Shapes - ASTM A-36, open heath or electric furnace only, all regular shapes as described in AISC Construction Manual, unless otherwise noted.

3. WORKMANSHIP

- A. GENERAL - All work shall conform to the requirements of AISC Standard Specifications, Title 1.1, 24 of the California Code of Regulations and the American Iron and Steel Institute Specifications for Design of Light Gauge Steel Structural Members.

SECTION 6A CARPENTRY

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to install carpentry.

2. MATERIALS

- A. LUMBER - Lumber grade marked in accordance with "Standard grading and Dressing Rule No. 18" of West Coast Lumber Inspection Bureau or "Grading Rules for Western Lumber, 3rd Edition" of Western Wood Products Association. Plywood grade marked in accordance with "Product Standard PS 1-15 for Softwood Plywood" of American Plywood Association, complying with UBC Standard 23-5.2.

3. WORKMANSHIP

- A. FRAMING - Securely nailed, bridged and blocked to form rigid structure. Work shall be finished and assembled level, plumb and true to line. Trim in or long lengths as possible with all siding trim in one piece. Trim sealed at all edges.

SECTION 7B SHEET METAL

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to install indicated sheet metal.

2. MATERIALS

- A. SHEET METAL - Steel sheets not dip galvanized with 1.25 Oz. per square foot zinc coating conforming to ASTM A123. Minimum 26 Ga. unless otherwise noted on the drawings.

3. WORKMANSHIP

- A. SHEET METAL - Steel sheets not dip galvanized with 1.25 Oz. per square foot zinc coating conforming to ASTM A123. Minimum 26 Ga. unless otherwise noted on the drawings.

SECTION 7C METAL ROOFING

- 1. GENERAL
Metal roofing to be 22 Ga. interlocking panels with standing seam. Steel deck shall be galvanized and conform to ASTM A-446 grade A. All fasteners to have neoprene washers.

SECTION 7J SEALANT

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to seal buildings.

2. MATERIALS

- Neoprene Sealant, polyurethane, manufactured by MAMECO INTERNATIONAL or approved equal.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to install hollow metal doors & frames.

2. MATERIALS

- A. DOORS - Type 1 full flush, manufactured by Steelcraft Manufacturing company or approved equal, 18 Ga. 1-3/4" thick.

3. WORKMANSHIP

- Sheet metal accurately formed to dimensions and shapes detailed with true straight lines, corners and angles. Flashings installed in longest lengths possible. Exterior work formed, fabricated and installed so that it adequately provides for expansion and contraction in the completed work and finishes water and weather tight.

SECTION 8D FINISH HARDWARE

- 1. SCOPE OF WORK
Contractor shall supply and install finish hardware as specified and as required.

2. DOOR SCHEDULE

- A. EXTERIOR DOORS - See schedule 1 and 2.

SECTION 9E PAINTING

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to paint buildings. All exposed surfaces of building and ramp shall be painted except aluminum window frames and sashes.

2. MATERIALS

- A. EXTERIOR WOOD - VSTA Primer 4100 6000

3. WORKMANSHIP

- A. EXTERIOR - Wood siding, trim and glazing - apply two coats of exterior flat acrylic paint approved.

SECTION 13E SITE ASSEMBLY

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

2. ASSEMBLY OF ELEMENTS

- A. In a location on the site as determined by the School District, the contractor shall place concrete leveling strips or other suitable supports as detailed on the drawings.

SECTION 15A AIR CONDITIONING

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services to install the air conditioning system as shown on the drawings and specifications, including A/C units and accessories.

2. EQUIPMENT

- See A/C information schedule for size and type.

3. WORKMANSHIP

- Units shall be installed complete and operating with all accessories in accordance with the manufacturer's instructions.

SECTION 16A ELECTRICAL

- 1. SCOPE OF WORK
Contractor shall provide all labor, materials and services for electrical installation complete with associated equipment and fixtures in operating conditions ready for use.

2. MATERIALS

- A. ELECTRIC METALLIC TUBING - couplings and flex conduit galvanized or aluminum.
B. PANELBOARDS - flush mounted with hinged doors and indexed card holders.

3. WORKMANSHIP

- Materials and equipment installed in a secure, neat, workmanlike manner in accordance with code requirements. Panel board cover fitted out. Conduit and cable installed in wall and ceiling spaces. Work placing waterproofed areas flashed and sealed to a watertight condition.

NAILING SCHEDULE

Table with columns for nail type and size, and application details. Includes rows for Joist or rafter to sides of studs, Top plates to stud, end nail, Stud to sole plate, etc.

PLYWOOD

- Subfloor, roof and wall sheathing to framing: 1/2" and less, 19/32" - 3/4", 7/8" - 1", 1-1/8" - 1-1/4"

Combination subfloor/underlayment to framing:

- 3/4" or less, 7/8" - 1", 1-1/8" - 1-1/4"

Panel siding to framing:

- 5/8", 1/2" or less

1. Common or box nails may be used except where otherwise stated.

- 2. Deformed shank.
3. Common
4. Not used.

- 5. Nails spaced at 6" o.c. at edges, 12" o.c. at intermediate supports (10" at intermediate supports for floors), except 6" o.c. at all supports where spans are 48" or more. For nailing of plywood diaphragms and shear walls, refer to Section 2314A.

- 6. Corrosion resistant siding or coating nails conforming to the req. of Section 2320A.

- 7. Fasteners spaced 3" a.c. at ext. edges and 6" a.c. at intermediate supports.

- 8. Corrosion resistant roofing nails with 7/16" dia. head and 1-1/2" length for 1/2" sheathing and 1-3/4" length for 25/32" sheathing conforming to the requirements of Section 2322.2.

- 9. Corrosion resistant staples with nominal 7/16" crown and 1-1/8" length for 1/2" sheathing and 1-1/2" length for 25/32" sheathing conforming to the requirements of Section 2317.

- 10. When possible, nails driven perpendicular to the grain shall be used instead of toenails.

NOTE: PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. 1-1/8" PLYWOOD SUB-FLOOR IS PLUGGED AND TYPED SANDED. ANY DEFORMITIES SHALL BE FILLED AND SANDED BY THE FLOORING CONTRACTOR. THE JOINTS AT THE MIDDLE JOINTING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

SPECIAL NOTE: ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 37.8, & 10 C.F.C. & TITLE 16 C.C.R.

GBC 1998 PC

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GAFGLAS® Specifications N-B-3-M. Includes diagram of roof assembly, material specifications table, and identification stamp.

TURORA MODULAR INDUSTRIES GENERAL NOTES AND SPECIFICATIONS SHEET