

**SECTION 01 52 00
CONSTRUCTION AIDS**

PART 1 - SCOPE OF WORK

1.1 Work Specified In This Section

- A. The Contractor must be responsible for providing temporary openings, material hoists, temporary ladders, temporary ramps and runways and construction signs.

1.2 WORK SPECIFIED IN OTHER SECTIONS

- A. Temporary Utilities Section 015100
- B. Temporary Controls Section 015600
- C. Field Offices and Sheds Section 015900

PART 2 - PRODUCTS

2.1 MATERIAL HOISTS

- A. The Contractor must provide material hoists as required for normal use by all trades. The Contractor may provide personnel hoists for use by all trades. The Contractor must employ skilled operators. Provide all necessary guards, signal devices, suitable runways, etc., Required for safe operation as per requirements of the OSHA standards as published by united states department of labor.
- B. The construction and operation of hoists must satisfy or exceed all applicable requirements of the American Standard Safety Code for Building Construction published by the American Standard Association and the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America, and of all Commonwealth of Puerto Rico, municipal, federal codes or Ordinances and Safety and Health Standards such as OSHA. The Contractor must prohibit the use of hoists for transporting personnel, unless rated for such duty.
- C. All internal combustion motors and engines must be equipped with residential type mufflers. Only electrically operated equipment must be permitted inside the facility. All equipment must be maintained in first class mechanical condition to prevent unnecessary mechanical noises. In lieu of internal combustion engines, electric hoist motors may be utilized.
- D. Hoists must be available for use by all Contractors and sub-contractors.
- E. Upon completion of the work all hoist equipment must be removed from the premises.
- F. Special rigging and hoisting facilities must be provided by each trade requiring their use.

- G. At the completion of the job, the Contractor must remove hoists, and restore landscaping or pavement in the hoist areas.

2.2 ERECTION EQUIPMENT

- ~~A. While erection equipment and material delivery trucks are in operation, provide temporary barricades and flagmen to keep non-construction personnel and vehicles out of the area of operation.~~

2.3 TEMPORARY LADDERS, SCAFFOLDS, RAMPS AND RUNWAYS

- A. The Contractor must provide temporary ladders, scaffolds, ramps, and runways as may be required for performance of the work. All of the above facilities must be constructed and maintained in accordance with the applicable requirements of all regulations, codes and safety and health standards as set forth above in paragraph, "material hoists", and must be removed after they have served their purpose or when directed by Owner's authorized representative.

PART 3 - CONSTRUCTION AIDS REGULATORY REQUIREMENTS

- A. All scaffolding, hoists cranes, stays ladders, runways, labor tools, materials, equipment, appliances and other contrivances used or required for the execution of the various portions of this work, must comply with all pertinent city, Commonwealth of Puerto Rico and OSHA rules and regulations. The Contractor and each sub-contractor must hold harmless, protect and defend Owner, Owner's authorized representative, engineer, and the architect, as applicable, against all claims or injury to persons or damage to property due to failure of scaffoldings, etc. (named above) and should pay and satisfy all judgments.

END OF SECTION