

PART 2.00 PRODUCTS

2.01 Manufacturers

A. ENGINEERED WALL CORP.

All precast concrete/metal stud wall panels shall be manufactured and supplied by E.W.C., and be of the type and size as shown on the plans.

2.02 Materials:

A. Framing Members

1. All galvanized stud framing members shall be formed from steel that corresponds to the requirements of ASTM A570 with a minimum yield of 50,000 psi.
2. All galvanized 14 and 16 gauge track, bridging, and accessories shall be formed from steel that corresponds to the requirements of ASTM A611, Grade C with a minimum yield of 33,000 psi.
3. All galvanized bent plates shall be HR1020 (35,000 psi yield strength) conforming to the requirements of AISI.
4. The physical properties of the framing members shall be equal to the minimum properties calculated in accordance with the latest AISI specifications.

B. Concrete:

1. Portland Cement shall conform to specification for Portland Cement (ASTM C150) and shall be Type III, High Early Strength.
2. Aggregates shall be selected with care and shall consist of clean, hard, tough material, either angular or rounded in shape. They shall conform, in all respects, to specifications for concrete aggregates (ASTM 33).
3. Water shall be potable and free from deleterious matter that may interfere with color, setting or strength of the concrete.
4. Ad mixtures shall be limited to an Air Entrainment Agency and a Water Reducer.
 - a. Air Entrainment shall meet the requirements of ASTM C260.
 - b. Water Reducers shall meet the requirements of ASTM C494.