SECTION 09255 - GYPSUM BOARD ASSEMBLIES

1.1 GENERAL:

A. The work of this section involves the installation of gypsum board assemblies in the garage as indicated on the drawings.

1.2 PRODUCTS:

A. Manufacturers:
Subject to compliance with requirements, provide products by one of the following:

1. Gypsum Board and Related Products:

a. Domtar Gypsum
b. Gerorgia-Pacific Corp.
c. National Gypsum Co.; Gold Bond Building Products Division
d. United States Gypsum Co.

2. Metal Support Material Products:
a. Allied Structural Industries
b. Bostwick Steel Framing Co.
c. Dale Industries, Inc.
d. Gold Bond Building Products Div., National Gypsum Co.
e. Milcor Division; Inryco Inc.
f. Marino Industries, Inc.
g. United States Gypsum Co.

B. Gypsum Board Products:
Types indicated in maximum lengths available that will minimize end-to-end butt joints in each area indicated to receive gypsum board application.

1. Gypsum Wallboard:
ASTMC 36, in thickness indicated:

a. Type: Regular for vertical surfaces, unless otherwise indicated
b. Type: Type X where required for fire-resistance-rated assemblies.
c. Type: Sag-resistant type for ceiling surfaces
d. Edges: Tapered

2. Water-Resistant Gypsum Backing Board:
ASTM C 630, in thickness indicated. Use as first 2'-0" from floor line.

a. Type: Regular MR, unless otherwise indicated
b. Type: Type X, MR where required for fire-resistance-rated assemblies and where indicated.

3. Wall/Partition Support Materials:

a. Studs: Metal
Depth of Section: 3,5/8" 25 gauge except as otherwise indicated.

b. Interior Wall Furring:
Galvanized steel, 25 gauge
Depth of Section: 1"

C. Accessories for Interior Installation:
Cornerbead, edge trim, and control joints complying with ASTM C 1047, formed metal or plastic, with metal complying with the following requirements:

1. Steel sheet zinc coated by hot-dip process or rolled zinc.

D. Joint Treatment Materials:
Provide joint treatment materials complying with ASTM C 475 and the recommendations for both the manufacturers of sheet products and of joint treatment materials for each application indicated.

1. Joint Tape for Gypsum Board:
Paper reinforcing tape, unless otherwise indicated

a. Use pressure-sensitive or staple-attached, open-weave, glass-fiber reinforcing tape with compatible joint compound where recommended by manufacturer of gypsum board and joint treatment materials for application indicated.

2. Drying-Type Joint Compounds for Gypsum Board:
Factory-packaged vinyl-based products complying with the following requirements for formulation and intended use.

a. Ready-Mixed Formulation: Factory-mixed product:

E. Wall/Partition Support systems:

1. Install runners at floors, ceilings and structural walls and
and columns where gypsum drywall stud system abuts other work, except as otherwise indicated.

a. Terminate partition furring channel system at ceilings.

2. Space Studs and Furring Channels:
16" o.c., except as otherwise indicated.

3. Frame openings other than door openings to comply with details indicated or if not indicated, in same manner as required for door openings; and install framing below sills of openings to match framing required above door heads.

4. Space wall flurring members 16" o.c., unless otherwise indicated.

5. General Gypsum board Installation Requirements:

6. Gypsum Board Application and finishing Standards:
Astm C 840 and GA 216

7. Install wall/partition boards vertically to avoid end-butt joints
wherever possible

F. Miscellaneous Materials:
Provide auxiliary materials for gypsum board construction that comply with referenced standards and recommendations of gypsum board manufacturer.

1. Laminating Adhesive: Special adhesive or joint compound recommended for laminating gypsum panels.
2. Fastening Adhesive for Wood: ASTM C 557
3. Steel drill screws complying with ASTM C 1002 for the following applications:

    a. Fastening gypsum board to steel members less than 0.033 inch (0.84 mm) thick.
    b. Fastening gypsum board to wood members

4. Steel drill screws complying with ASTM C 954 for fastening gypsum board to steel members from 0.033 to 0.112 inch (0.84 to 2.84 mm) thick.
5. Steel drill screws of size and type recommended by unit manufacturer for fastening cementitious backer units.
6. Gypsum Board Nails: ASTM C 514.

1.3 EXECUTION:

1. Single-Layer Fastening Methods:
Apply gypsum panels to supports as follows:

    a. Fasten with screws.

2. Install exposed gypsum board with face side out. Do not install imperfect, damaged or damp boards. Butt boards together for a light contact at edges and ends with not more than 1/16" open space between boards. Do not force into place.

3. Locate either edge or end joints over supports, except in horizontal applications or where intermediate supports or gypsum board back-blocking is provided behind end joints. Position boards so that like edges abut, tapered edges against tapered edges and mill-cut or field-cut ends against mill-cut or field-cut ends. Do not place tapered edges against cut edges or ends. Stagger vertical joints over different studs on opposite sides of partitions.

4. Attach gypsum board to supplementary framing and blocking as provided for additional support at openings and cutouts.

5. Space fasteners in gypsum boards in accordance with referenced standards and manufacturer's recommendations, except as otherwise indicated.

B. Installing Trim Accessories:
For trim accessories with back flanges, fasten to framing with the same fasteners used to fasten gypsum board. Otherwise, fasten trim accessories according to accessory manufacturer's directions for type, length and spacing of fasteners.

1. Install cornerbead at external corners.

2. Install edge trim where edge of gypsum panels would otherwise be exposed. Provide edge trim type with face flange formed to receive joint compound, except where other types are indicated.

   a. Install LC-bead where gypsum panels are tightly abutted to other construction and back flange can be attached to framing or supporting substrate.
   b. Install L-bead where edge trim can only be installed after gypsum panels are installed.

D. Finishing Gypsum Board Assemblies:
Treat gypsum board joints, interior angles, flanges of cornerbead, edge trim, control joints, penetrations, fastener heads, surface defects and elsewhere as required to prepare gypsum board surfaces for decoration.

1. Prefill open joints, rounded or beveled edges, and damaged areas using setting-type joint compound.
2. Apply joint tape over gypsum board joints, except those with trim accessories having flanges not requiring tape.
3. Apply joint tape over gypsum board joints and to flanges of trim accessories as recommended by trim accessory manufacturer.
4. Levels of Gypsum Board Finish:
   Provide the following levels of gypsum board finish per GA-214.

   a. Level 3 for exposed gypsum board where indicated.

5. Where Level 3 gypsum board finish is indicated, embed tape in joint compound and apply first and fill (second) coats of joint compound.

END OF SECTION 09255