
09 20 00 Gypsum Board Assemblies

1. Submittals Required

1.1. Product Technical Data Sheets

1.2. Prime check: All drywall assemblies are to be reviewed by Queen's PPS Project Manager after mud and primer are complete. Trades to anticipate corrective measures will be required prior to approval to continue onto painting top coats.

2. Gypsum Board and Associated Components

2.1. Product:

2.1.1. Board

- 16 mm Type X – Typical
- High abuse board in corridors and foyers on minimum of lower 2440mm
- Mold resistant board in damp areas
- Cement board or other purpose made panel for wet areas

2.1.2. Studs

- Non load bearing channel studs, 24 gauge or better hot dipped galvanized with service holes at 457mm AFF. Spaced regular intervals of no more than 610mm OC.
- Where abuse resistant non load bearing channel studs, 20 gauge or better hot dipped galvanized with service holes at 457mm AFF. Spaced regular intervals of no more than 610mm OC.
- Use horizontal metal channel header, footer and mid-span reinforcement

2.1.3. Accessories

- Always use appropriate corner beads, tear away reveals, J-mold and casing beads with metal or plastic reinforcement.
- Drywall screws to be corrosion resistant, purpose made.
- Acoustic gasket or sealant to be applied to top and bottom of stud wall and surrounding penetrations such as electrical and data boxes.
- Control joints as indicated.
- Acoustic insulation and channels.
- Paintable fire rated caulking

2.2. Approved Manufacturers include but not limited to:

2.2.1. CGC

2.2.2. Certainteed

2.2.3. Trimtex

2.2.4. Amerimas

2.2.5. Roxul

2.2.6. Reserved

2.3. Installation:

- 2.3.1. Certified installer
- 2.3.2. Coordinate blocking within studs with all counters, finish or architectural
woodwork and suspended furnishings.
- 2.3.3. Stud vertical and horizontal tolerance of 1:1000
- 2.3.4. Reserved

2.4. Quality Standards

- 2.4.1. Acoustic insulation and channels to be used between rooms and dividing suites.
- 2.4.2. Partitions to extend to underside of deck.
- 2.4.3. Stagger electrical and data on either side of partition
- 2.4.4. Finish Levels

Where a fire resistance rating is required for the gypsum board assembly, details of construction should be in accordance with reports of fire tests of assemblies that have met the requirements of the fire rating imposed.

Level 0 – Used in temporary construction. Unfinished. No taping, finishing or corner beads are required.

Level 1 – Use in plenum areas above ceilings, in attics, in areas where the assembly would generally be concealed.

All joints and interior angles shall have tape embedded in joint compound. Accessories in corridors and other areas with pedestrian traffic. Tape and fastener heads need not be covered with joint compound. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

Level 2 – Use for surfaces in garages, warehouse storage, under tile or other similar areas where surface appearance is not of primary importance.

All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife or trowel, leaving a thin coating of joint compound over all joints and interior angles. Fastener heads and accessories shall be covered with a coat of joint compound. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

Level 3 – Use in areas which are to receive heavy texture (spray or hand applied) finishes before final painting, or where commercial-grade (heavy duty) wall coverings are to be applied as the final decoration. This level of finish is not to be used where smooth painted surfaces or where lighter weight wall coverings are specified. The prepared surface shall be coated with a drywall primer prior to the application of final finishes.

All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife or trowel, leaving a thin coating of joint compound over all joints and interior angles. One additional coat of joint compound shall be applied over all joints and interior angles. Fastener heads and accessories shall be covered with two separate coats of joint compound. All joint compounds shall be smooth and free of tool marks and ridges. The prepared surface shall be covered with a drywall primer and reviewed prior to the application of the final decoration.

Level 4 – Use where residential grade (light duty) wall coverings, flat paints or light textures are to be applied. The prepared surface shall be coated with a drywall primer prior to the application of final finishes. Joints and fasteners must be sufficiently concealed if the wall covering material is light weight, contains limited patten, has a glossy finish or has any combination of these features. In critical lighting areas, flat paints applied over light textures tend to reduce joint photographing.

All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife or trowel, leaving a thin coating of joint compound over all joints and interior angles. In addition, two separate coats of joint compound shall be applied over all flat joints and one separate coat of joint compound applied over interior angles. Fastener heads and accessories shall be covered with three separate coats of joint compound. All joint compounds shall be smooth and free of tool marks and ridges. The prepared surface shall be covered with a drywall primer prior to the application of the final decoration.

Level 5 - Uniform surface and minimize the possibility of joint photographing and of fasteners showing through the final decoration. This level of finish is required where gloss, semi-gloss or saturated, bright and dark colours are specified or when flat joints are specified over an untextured surface, or where critical lighting conditions occur. The prepared surface shall be coated with a drywall primer prior to the application of final decoration.

All joints and interior angles shall have tape embedded in joint compound and immediately wiped with a joint knife or trowel, leaving a thin coating of joint compound over all joints and interior angles. Two separate coats of joint compound shall be applied over all flat joints and one separate coat of joint compound applied over interior angles. Fastener heads and accessories shall be covered with three separate coats of joint compound. A thin skim coat of joint compound shall be trowel applied to the entire surface. Excess compound is

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Finishes



immediately sheared off, leaving a film or skim coating of compound completely covering the paper. As an alternative to a skim coat, a material manufactured especially for this purpose may be applied. The surface must be smooth and free of tool marks and ridges. The prepared surface shall be covered with a drywall primer prior to the application of the final decoration.