PART 1 - GENERAL

1.01 Gypsum drywall corridor walls have not proven as satisfactory as concrete masonry or other hard wall systems. At a minimum impact resistant wallboard shall be used in corridors, public spaces and other areas of high abuse. Concrete masonry shall be used for dormitory public spaces.

1.02 Manufacturer’s stud tables and deflection tables shall be examined when selecting framing size, gauge, and spacing.

1.03 Consult the Gypsum Association “Fire Resistance Design Manual” when selecting drywall assemblies. This reference graphically gives detailed descriptions, fire-ratings, and acoustical performance of common drywall assemblies.

1.04 Shop drawings shall be submitted that indicate special details associated with fireproofing, acoustic seals, and fire ratings.

1.05 RELATED WORK

A. Section 00100 General Conditions for as-built samples
B. Section 10260 Wall and Corner Guards

PART 2 - PRODUCTS

2.01 The following manufacturers of gypsum board systems shall be used unless otherwise approved by a Brown University Project Manager:

- United States Gypsum Company
- Gold Bond Building Products (Division of National Gypsum Company)
- Georgia-Pacific Corporation.

2.02 Consult manufacturer’s tables for stud, spacing and gauge requirements. At a minimum the following is required for the designated locations:

- 16 gauge galvanized sheet steel: Exterior walls
- 20/25 gauge with cement board: Interior gypsum wall board
- C shape with knurled faces

2.03 Use moisture-resistant boards for painted walls in toilet rooms as well as wet walls (walls that backup or have attached plumbing fixtures).

2.04 Moisture-resistant board is not allowed on ceilings.
2.05 Moisture-resistant board is not allowed as a substrate for ceramic tile. Glass mesh mortar units shall be used.

PART 3 - EXECUTION

3.01 BLOCKING:

A. Continuous wood blocking is required in drywall to anchor in frame and accessories.

3.02 INSTALLATION:

A. For single layer applications erect single layer fire rated gypsum board vertically, with edges and ends occurring over firm bearing. Erect exterior gypsum sheathing horizontal, with edges butted tight and ends occurring over firm bearing. Use screws when fastening gypsum board to metal and wood furring or framing.

B. For multiple layers refer to manufacturers directions.

3.03 JOINT TREATMENT:

A. Feather coats onto adjoining surfaces so that camber is maximum 1/32 inch (0.8mm).

B. Taping, filling, and sanding are not required at surfaces behind adhesive applied ceramic tile.

C. Fill and finish joints and corners of cementitious backing board.

3.04 PENETRATIONS:

A. Penetrations and items recessed into the assembly shall be detailed and specified to ensure that fire and acoustical performance of the assembly is not compromised.

B. Electrical and telephone outlets are not allowed to be back-to-back in the same framed space.
C. Acoustical sealant and acoustical insulation shall be originally installed to prevent the need for remedial work.

3.05 CORNER GUARDS:

A. Corner guards are required in public areas.

B. These guards shall be designed into the project and built in as opposed to added on.

3.06 ACCESSORIES:

A. Only galvanized metal accessories and trim for drywall work may be specified.

B. The finish on metal accessories shall be coordinated with the type of finishing material to be used.

END OF SECTION