

DEMOUNTABLE GYPSUM PARTITIONS

PROJECT NO.	SECTION 10 22 22
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PART I - GENERAL

1.1 RELATED WORK

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| 1. Metal Door Frames | □ Section 08 12 13 |
| 2. Wood Doors | □ Section 08 14 16 |
| 3. Door Hardware - Common | □ Section 08 71 00 |
| 4. Glazing | □ Section 08 80 50 |
| 5. Gypsum Board Assemblies | □ Section 09 21 16 |
| 6. Carpet | □ Section 09 68 20 |
| 7. Painting | □ Section 09 91 10 |

1.2 REFERENCE STANDARD

1. Provide gypsum board products in accordance with: CAN/CSA A82.27 - M91 and ASTM C36 for gypsum wallboard materials.
2. Application of gypsum board to CAN/CSA 82.31 - M91 and application and finishing to ASTM C840.

1.3 SYSTEM DESCRIPTION

1. Basic system to be modular, progressive battenless, non-combustible, fully demountable, relocatable and accommodate floor to ceiling height variations of 25 mm.
2. Partition module - 1200 mm (4' 0").
3. Partition units, including doors to be removable without damaging adjacent 2, 3, and 4 way conditions.
4. Minimum sound transmission rating of the installed partition to be STC 30 (uninsulated) and 50 (insulated) tested to ASTM E90-87.
5. Steel stud system shall be 64 mm (2 1/2") wide. Stud spacing shall be 600 mm, (24") on centre (or as indicated) with no horizontal channels to impede installation of electrical and communication services.

1.4 SHOP DRAWINGS

1. Submit shop drawings for approval in accordance with Section 01 3300.
2. Show the design, dimensions, construction of components, method of assembly, thickness of reinforcement, anchorage, and other pertinent information.

1.5 SAMPLES

1. Submit one representative model of each type of partition for approval by (Architect).
2. Partition sample to show basic construction glazed sections,

- door frames, trim and finishes.
3. Submit duplicate 200 x 300 mm samples of panel colours, textures, and finishes, and 300 mm long samples of trim options.
 4. Submit sample of ceiling fixing devices.

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1.6 WARRANTY

1. The 12 month warranty period of work performed under Section 10615 as prescribed in Sub-section GC of the General Conditions is extended to 24 months for the total system against warpage and defects in material of workmanship.
2. Total system to be installed in strict accordance with the manufacturers written recommendations and by a manufacturer's approved contractor. Laminated panels, door frames, and components to be from one manufacturer.
3. Repair of defective product or work as directed by (Consultant) at no cost to the owner.

PART II - PRODUCTS

2.1 MATERIALS

1. Steel studs and steel track to be non-load bearing framing system conforming to CAN/CGSB - 7.1 - M86 and ASTM C645 -83. Stud size to be 64 mm, (2 ½") thickness.
2. Aluminum extrusions - Architectural tempered aluminum alloy to CSA HA Series - M1980, Alloy AA6063T5.
3. Vinyl faced gypsum board: 12.7 mm (½") thick, square edge, conforming to CAN/CSA A82.27 - M1991. Vinyl finish having tested to CAN4 - S102 - M83.
 Maximum Flamespread : 25
 Maximum Smoke Developed : 50
 Colour & texture as selected by architect.
4. Glass: 5mm (3/16") 6mm (¼") thick clear polished (sand blasted), conforming to CAN/CGSB 12.3 - M91 in accordance with Section 08 80 50. Furnish glazing gasket as per partition manufacturer's specifications for setting glass.
5. Insulation: Glass fiber type to CSA A101 - M1983 to achieve STC ratings as specified.
6. Sound/Light Seal: Self adhesive, closed cell, inorganic, permanently elastic sponge type neoprene strips, minimum 12 mm (½") thick.
7. Door Frames: Extruded aluminum for 45 mm (1 ¾") thick door, with integral aluminum door stop. Factory mounted

hinges, strike plate, dust box, and door mute. Hinges to be reinforced with steel back plate.

Frame Colour: (As selected by architect)

Trim Colour: (As selected by architect)

8. Partition Head: Snap on extrusion PVC ceiling trim with 12 mm (½") reveal. Colour as selected by Architect.
9. Partition Base: 100 mm (4") high hook on base of extruded PVC held in place with PVC base clip.
10. Cornice Cap: 41 mm (1 5/8") deep by 89 mm (3 ½") width finished aluminum. Colour as selected by architect.
11. Steel battenless joint with edge clips, spaced maximum 14".

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2.2 SOUND PROOFING

1. System to be constructed in accordance with manufacturer's specifications to achieve desired STC rating.

2.3 SYSTEM

1. Surfaces: Exposed aluminum, PVC, and vinyl facing to be free from surface blemishes, scratches, and discolouration.

2.4 APPROVED MATERIALS

1. Vinyl faced gypsum board, door frames, and accessories:
ENVIROWALL PARTITION SYSTEMS LIMITED
60 Torlake Crescent
Toronto, Ontario M8Z 1C2
Tel: (416) 252-5461 Fax: (416) 252-8485
www.envirowall.com
info@envirowall.com

PART III - EXECUTION

3.1 ERECTION

1. General: Install system in accordance with manufacturer's printed instructions using manufacturer approved workmen. Accurately fit and fasten to abutting vertical surfaces. Carpet to be installed prior to partition installation.
2. Fasten runners to floor and ceiling 600 mm on centre, using partition manufacturer's approved fixing devices. Submit sample for approval prior to starting construction.
3. Provide approved sound seal in continuous lengths between partition and permanent members.
4. Aluminum and PVC sections to be full height with no

horizontal joints.

5. Where partitions abut to exterior window mullions, install an end cap or intersection end full height.
6. Pack all voids in partition with insulation to achieve required STC rating.
7. Prepare and install vinyl faced panels in strict accordance with manufacturer's written instructions.
8. Accurately cut and fit all trim, installing in accordance with manufacturer's written instructions.

3.2 DOORS AND TRANSOMS

1. Anchor transom panels with concealed, threaded fasteners, minimum 2 fasteners per side, flush with door face.
2. Doors to be fitted, hung plumb and straight, balanced for smooth operation.
3. Install finishing hardware in strict accordance with manufacturer's written instructions.

END OF SECTION 10 22 22