Part 1 GENERAL

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 and General Conditions as applicable.

1.2 RELATED WORK

1. Rough Carpentry – Section 06 10 00
2. Gypsum Board Systems – Section 09 29 00
3. Resilient Tile Flooring - Section 09 65 00
4. Conservation Treatment for Period Flooring - Section 09 03 60
5. Section 23 – Access Panels required for Mechanical Work not specified herein.
6. Section 26– Access Panels required for Electrical Work

1.3 SUBMITTALS

1. Shop Drawings: indicate mounting location, direction of swing, locking mechanism, edge condition adjacent to mounting surface, finish, material thickness.
2. Submit for approval, manufacturer's catalogue literature related to installation and fabrication.

Part 2 PRODUCTS

2.1 GENERAL

1. Supply access panels as shown on the drawings.
2. Access door sizes shall be as shown on drawings.
3. All doors shall open 180˚ have rounded safety corners.
4. For fire rated ceilings or wall provide a fire rated access door that will match the fire rating of the wall that the access door is installed in. The Contractor shall be responsible for reviewing the drawings and providing fire rated access doors where they are required.
5. Where body access is possible, the access doors shall be provided with a releasing mechanism on both sides of the door.

2.2 ACCESS PANELS

1. Floor Doors

    1. Door: ¼" smooth aluminum plate, recessed for 1/8" or 3/16" floor covering.

    2. Frame: 5/16" (nominal) – 6061 - T6 extruded aluminum, recessed for 1/8" or 3/16" floor covering.

    3. Hinges: Zinc plated steel hinges with stainless steel pivot points.

    4. Latch: Zinc plated steel slam latch with a removable cover plug operable from the inside by a spoon handle and the outside by a removable tool.

    5. Lift Assist: Door panel is counterbalanced for ease of operation.

    6. Hold Open Arm: Automatically locks the door panel in an open position of 90°.

    7. Standard Live Load: 150lbs sq/ft.

    8. Finish: Aluminum, mill finish.

    9. Warranty: Maxam Metal Products Ltd. guarantees all floor door products to be free from defects in workmanship and materials for a time period of five years from date of shipping.

    10. Standard of Acceptance: Maxam Metal Products Ltd. Model MT, Recessed Aluminum

2. Recessed Access Door for Drywall Applications

    1. Doors shall be 16 gauge steel. Mounting frame shall be 14 gauge steel.

    2. Doors shall be provided with a 25mm (1") recess or 15mm (5/8") to suit the thickness of the drywall ceiling.

    3. The frame shall be provided with a galvanized steel drywall taping bead on all sides.

    4. The hinge shall be a concealed pivoting rod.

    5. The latch shall be a flush to the surface, screwdriver operated cam latch unless otherwise specified.

    6. The steel finish shall be 5 stage iron phosphate preparation with prime coat of grey baked enamel.

    7. Standard of Acceptance: Acudor DW-5015, Mifab, Zurn, Watrous

3. Fire Rated Access Door

    1. Doors shall be constructed of 20 gauge steel with a 16 gauge mounting frame.
    2. Doors shall be filled with 50 mm (2") thick fire rated insulation.
    3. The door frame shall be provided with a 25mm (1") wide flange and mounting frame to have anchor straps.
    4. The hinge shall be concealed and shall be provided with a spring closer.
    5. Doors shall be UL/ULC rated for 45 min. "B" label with 250°F temp rise in 30 minutes.
    6. The latch shall be a universal self latching bolt, operated by a knurled knob.
    7. The steel finish shall be 5 stage iron phosphate prepared with a prime coat of grey baked enamel.
    8. For drywall applications, provide a galvanized steel drywall taping bead flange.
    9. Standard of Acceptance: Acudor FB-5050, Mifab, Zum, Watrous.

4. Fire Rated Access Door with Inside Latch Release

    1. Doors shall be constructed of 16 gauge mounting frame.
    2. Doors shall be flush to frame with reinforced edges.
    3. The door frame shall be provided with a 25mm (1") wide flange and shall be provided with anchor straps.
    4. The hinge shall be concealed and shall be provided with a spring closer.
    5. The door shall be UL/ULC rated for 45 min. hour "B" label or 2 hour "B" label as required where temperature rise is not a factor.
    6. The latch shall be a universal self latching bolt, operated by a knurled knob.
    7. The steel finish shall be 5 stage iron phosphate prepared with a prime coat of grey baked enamel.
    8. Doors shall be provided with an interior latch release.
    9. For drywall applications, provide a galvanized steel drywall taping bead flange.
    10. Standard of Acceptance: Acudor FB-5070, Mifab, Zurn, Watrous.

Part 3 EXECUTION

3.1 INSTALLATION

1. Access door locations have been indicated on drawings where required for man access. Access doors required for hand access to access electrical or mechanical system components are the responsibility of Section 23 and Section 26 respectively.

2. The Section 23 / 26 sub-contractors must provide a set of drawings showing locations and types of all access doors to the Consultant for approval, prior to commencing the installation of any piping, ductwork or conduit within these areas.

3. Access doors shall be turned over to the building trade that is responsible for

finishing the floor, wall or ceiling where the access door is required.

4. The Division 15/16 sub-contractors shall be responsible for providing the access doors required to be installed where required for valves, junction boxes, switches, etc. Refer to mechanical and electrical specifications for additional requirements.

End of Section 08 31 16