

**PART - 1      GENERAL**

**1.1            SUMMARY**

.1      Section Includes:

.1      Labour, Products, equipment and services necessary to complete the work of this Section, including but not limited to:

- .1      Wall coverings (PWC)
- .2      Corner guards (CG)
- .3      Handrail/Bumper Rails (CRL)

**1.2            QUALITY ASSURANCE**

.1      Installer: Trained and approved by the manufacturer and having a minimum three years experience in the installation of the work described in this Section and can show evidence of satisfactory completion of projects of similar size, scope and type. If requested, provide letter of certification from manufacturer stating that installer is certified applicator of its products, and is familiar with proper procedures and installation requirements required by the manufacturer.

.2      Maintenance seminars: Provide, to the Owner, training seminars and recommendations on Product maintenance procedures.

.3      Pre-installation meeting: Two weeks prior to commencing work of this Section, arrange for manufacturer's technical representative to visit the site and review preparatory and installation procedures to be followed, conditions under which the work will be done, and inspect the surfaces to receive the work of this Section. Advise the Consultant of the date and time of the meeting.

.4      Source limitations: Obtain each type of product from a single manufacturer.

.5      Products: Provide like Products from same production run. Install Products in sequence from sequentially numbered dye lots.

**1.3            SUBMITTALS**

.1      Samples: Three 300 mm x 300 mm samples of each wall covering material and three 300 mm long samples of handrail and bumper rail.

.2      Maintenance data: Printed manufacturer's maintenance instructions giving specific warnings of maintenance practices of substances, which may stain or otherwise damage the wall coverings or handrails/bumper rails.

**1.4            SAMPLE INSTALLATION**

.1      Apply each type of covering to a sample area on the project and obtain the approval of the Consultant of such applications before proceeding. Locations of sample areas shall be as directed by the Consultant.

.2      Sample areas of wall covering shall be full height, as indicated on Drawings, and include one outside corner and one covering material joint.

.3      Sample areas of rail shall be full length, and include one outside corner, and one end cap.

- .4 Promptly revise or replace coverings on sample areas at no additional cost to the Owner until approval of the Consultant is obtained. The approved sample area installations shall be the standard for acceptance of the remaining work.

## 1.5 **STORAGE**

- .1 Store materials with manufacturer's seals and labels intact. Store materials flat in clean, dry storage area at temperatures over 10 deg C and normal humidity.

## 1.6 **PROJECT CONDITIONS**

- .1 Environmental Limitations: Do not commence work until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- .2 Lighting: Do not commence work until a lighting level of not less than 160 lux is provided on the surfaces to receive wall covering.
- .3 Ventilation: Provide continuous ventilation during installation and for not less than the time recommended by wall covering manufacturer for full drying or curing.

## 1.7 **EXTRA STOCK**

- .1 Provide minimum 5% of each type and colour of wall covering and handrail/bumper rail material in unopened packages, and accessories installed. Store the extra materials at locations as directed by the Owner. Extra stock shall be of same production run as installed materials.

# **PART - 2 PRODUCTS**

## 2.1 **MATERIALS**

- .1 Basis of Design: Refer to Section 00 01 30 List of Materials, for complete list of corner guards and protective wall covering products, designations, manufacturers, sizes, finishes and colours.
- .2 Aluminum Retainers: Extruded aluminum retainers 6063-T6 alloy, nominal 0.62" thick. Minimum strength and durability properties as per ASTM B221. Supplied by manufacturer.
- .3 Fasteners: non corrosive and compatible with aluminium retainers supplied by manufacturer.
- .4 Adhesive: Mildew resistant, nonstaining, strippable adhesive, for use with specific wall covering and substrate application, as recommended in writing by wall covering manufacturer.
- .5 Primer/Sealer: Mildew resistant primer/sealer, and recommended in writing by wall covering manufacturer for intended substrate.
- .6 Sealant: antimicrobial, 100% silicone sealant.

## 2.2 ACCESSORIES

- .1 Wall covering and rails manufacture to supply a packaged system, containing all materials needed to complete wall covering and rails design.
- .2 Supply all primers and adhesive required to install wall coverings, as per manufacturer's recommendations.

## PART - 3 EXECUTION

### 3.1 INSPECTION

- .1 Examine areas, which are to receive the work of this Section and proceed only if conditions are satisfactory. Verify adequacy of support at substrate. Report unsuitable substrates. Commencement of work shall imply acceptance of conditions.
- .2 Substrates shall be smooth, dry, free of dust and dirt.

### 3.2 PREPARATION

- .1 Remove materials from packaging and acclimatize materials in the installation areas not less than 24 hours before installation.
- .2 Test surfaces for moisture and alkali content prior to application of materials. Moisture content shall be less than 4%. Neutralize and seal surfaces in accordance with manufacturer's directions.
- .3 Where substrate has been painted, apply a thin coat of adhesive over substrate and allow drying for one hour.
- .4 Comply with manufacturer's written instructions for surface preparation.
- .5 Clean substrates of substances that could impair wall covering's bond, including mold, mildew, oil, grease, incompatible primers, dirt, and dust.
- .6 Prepare substrates to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks, and defects.
- .7 Remove hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.

### 3.3 INSTALLATION – WALL COVERINGS

- .1 Apply materials in strict accordance with manufacturer's instructions and as specified; report discrepancies immediately to Consultant.
- .2 Install materials free from tears, ripples or air pockets. Horizontal joints in wall covering are not permitted except upon specific, written approval of the Consultant.
- .3 Take special care to prevent plaster particles, grit, dirt, or other extraneous matter from being imbedded beneath the wall covering.
- .4 Spread adhesive in a uniform coat to back of material and apply material to wall within time recommended by adhesive manufacturer. Thoroughly wash excessive adhesive off material and adjacent surfaces as application progresses.
- .5 On gypsum board construction, avoid scoring gypsum board face by using a metal strip cutting base.

- .6 Neatly and carefully trim around fixtures, door frames and the like, as indicated on Drawings.
- .7 Match adjacent panels for colour, pattern, texture and direction of nap where applicable. All panels shall be uniform in colour and texture. Remove material, which fails to match when applied, and replace with matching material.
- .8 Reinstall hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.

#### 3.4 **INSTALLATION – RAILS**

- .1 Apply materials in accordance with manufacturer's instructions.
- .2 Install aluminum rail retainer to platform bracket base with fasteners, supplied by the manufacturer.
- .3 Snap on rail cover overtop of retainer.
- .4 Install end caps and corners where required, and as shown on Drawings.
- .5 All covers shall be uniform in colour and texture. Remove material, which fails to match when applied, and replace with matching material.
- .6 Reinstall hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items, if removed to install handrail.

#### 3.5 **INSTALLATION – CORNER GUARDS**

- .1 Install work in accordance with manufacturer's written installation instructions and as shown on drawings.

#### 3.6 **PATCHING**

- .1 Perform cutting, fitting and patching of wall covering material as required to accommodate fixtures, railing brackets and other appurtenances occurring in surfaces to receive coverings. Maintain covering pattern regardless of position of appurtenances.

#### 3.7 **CLEANING**

- .1 Immediately upon completion of installation, clean wall covering and accessories in accordance with manufacturers recommended cleaning method.
- .2 Remove surplus materials, and debris upon completion of work.

END OF SECTION