

***Section 6***  
***Doors and Windows***

**I. SCOPE OF WORK**

The work shall include the supply and installation of all doors and windows as indicated in the drawings.

**II. MATERIALS REQUIREMENTS****a. Doors**

- 1) Flush doors shall be hollow core from tanguile kiln-dried frames with 6mm thick marine plywood as indicated. Other flush doors shall have a tanguile kiln-dried wood louver for ventilation purposes.
- 2) Swing type metal door shall be guage 20 metal door with mineral core, as indicated in the drawings.
- 3) Gage 20 metal door with baked enamel finish and stainless steel trim and fitting shall be used for toilets. It shall be connected to a cubicle type partitions as indicated in the drawing.
- 4) Wood door frames shall be of the design, size and thickness as indicated. This shall be set plumb and true, and well-braced to prevent distortions. Frames in masonry or concrete walls shall be secured as indicated, and shall be Guijo or Yakal, good grade

**b. Windows – All windows shall be of polyester powder coated frame (exterior use) or epoxy/polyester powder coated (interior) aluminum window frame. It shall be of fixed window, half-fixed and half-open sliding window, half-fixed and half-open sliding window below a fixed window as indicated in the drawings.****c. Glass – Glass shall be provided in locations as indicated and the corresponding type specified on architectural drawings. Each glass have the manufacturer's label showing the type, thickness, and quality of glass. Labels shall not be removed until the glazing has been approved.**

- 1) Clear glass shall be 6.35 mm thick for doors and 5.50 mm thick for windows. It shall be heat-strengthened for fixed window panes with a clear rubber sealant nearly and properly installed.
- 2) Reflective type glass shall be 6.35 mm thk for doors and windows and shall be heat strengthened tempered glass.

- 3) Wired glass or fire-rated glass shall be 6.30 mm thick.
  - 4) Glazing metals materials and accessories such as weather-stripping, glazing sealant, gasket, channel, beads, clips, primer, making tape, edge spacer and other shall comply with all pertinent codes and regulations and shall be as recommended by the glass manufacturer as approved by the Engineer.
- d. Hardware – All items of finish hardwares shall be furnished, packaged and labeled in sets. All items of finish hardwares of like kind and purpose shall be the same manufacturer and shall be made of 630 Stainless steel.

### III. INSTALLATION

All doors and windows shall be leveled, hung plumbed and fitted accurately. It shall be installed without forcing or distortion so that sills and heads are level and jambs are plumb. Frames shall be securely anchored into the supporting construction.

Apply hardwares with fastenings of the size, quality, quantity and finish to provide workable system. After installation, protect hardware from paint, stains, blemishes and other damages until acceptance of the work. After hardware is checked. Keys shall be tagged, identified and deliver to the Owner. All errors in cutting and fittings, and all damages to adjoining work shall be corrected, repaired and finished as directed.

Work instruction on glass fittings and installation should strictly follow a standard precautionary measure to avoid damage or breakage on glass and to secure total work safety. Glass shall be provided with caution stickers to call attention. Upon completion of the building, cracked, broken or imperfect glass or glass which has been set improperly shall be replaced. Glass surface shall be thoroughly cleaned, with labels, paint spots, putty, and other defacements removed, and shall be clean at the time the work is accepted.