

**12 20 00 WINDOW TREATMENTS**

**12 21 00 WINDOW BLINDS**

Roller Blinds – Design Considerations

1. Provide roller blinds as follows:
  - i. Windows with high sun/heat exposure to receive 1% perforation roller blinds
  - ii. Windows with medium sun/heat exposure to receive 3% perforation roller blinds
  - iii. Windows with low sun/heat exposure to receive 3-5% perforation roller blinds
  - iv. Specialized rooms i.e. classrooms, research spaces or laboratories that require blackout blinds will be identified in design stage, ensure all blackout blinds are installed with side, top and bottom channels to eliminate light infiltration
  - v. Sunscreen and blackout shades combination: typical to exterior windows (installed in residential housing) of the spaces that require blackout shades, as described above.
  - vi. Operation:
    1. Typical: Metal bead chain and sprocket roller shade manually operated action with infinite positioning.
    2. Motorized blinds are only installed where manual operation is not feasible
2. Roller blinds do not require valances unless they are blackout
3. Blinds to come with 5 year warranty on labour and materials

Roller Shade System

1. Factory assembled unit including: extruded aluminum housing / cassette box closed on all sides, 2 end brackets, shade tube, extruded aluminum fascia and hem-bar, shade cloth guide and fabric. Local manufacturers are required.

Sunscreen Fabric

1. Dense shade cloth, suitable for clear low “E” glazing.
2. Composition: woven, vinyl coated fiberglass (64% vinyl / 36% fiberglass core yarn), halogen free, dimensionally stable, tensioned to keep the warp ends straight and minimize or eliminate weave distortion to keep the fabric flat.
3. Weight: min 470 g/m<sup>2</sup>.
4. Thickness: minimum 0.48 mm.
5. UV Blockage: minimum 95%.
6. Openness factor to be selected by Consultant:
  - i. UVic standard: 1-5% open as outlined in the design consideration section above.
  - ii. Provide consistent product, colour and appearance for the entire building, irrespective of various different openness factors.
7. Colours: Where existing standard is encountered match that standard. Otherwise preferred colours are:
  - i. Oyster Pewter
  - ii. Oyster Pearl Gray

- iii. Beige Pearl Gray
- iv. Beige Pearl Gray

#### Blackout Fabric

1. Room darkening shade shall be 100% opaque material, 3 or 4 ply, PVC or vinyl laminated to both sides of 100% fiberglass base fabric. Washable, flame retardant treated and fade resistant.
2. Thickness: 0.45mm.
3. Mesh Weight: 340 g/m<sup>2</sup>.
4. Colours: Where standard is encountered match that standard. Otherwise preferred colours are:
  - i. Bone Platinum
  - ii. Gray
  - iii. Light Gray
5. Acceptable product:
  - i. Preferred colour: Q06 bone Platinum.
  - ii. Composition: Vinyl-Coated Fiberglass Fabric Laminated with a Two-Ply 100% PVC Blackout Film
  - iii. Fabric Thickness: 0.023 in (0.58mm)
  - iv. Openness Factor: Opaque
  - v. Solar Reflectance: 71
  - vi. Solar Absorptance: 0.23
  - vii. Solar Heat Gain Coefficient  $\frac{1}{4}$ " Clear Glass: 0.23

#### Accessories

1. Bottom rail: extruded aluminum hem-bar with integral grooves to accommodate fabric guide carrier at ends. Soft vinyl welt on bottom of bar.
2. Installation brackets: concealed type as required to support assembly.

### **12 22 13 DRAPERIES**

#### Design Considerations

1. Draperies/curtains are not recommended unless for specialized spaces such as theaters, safety curtains in labs or for added acoustic treatments.
2. Laser Curtain use in Laboratories is limited to shield/protect against eye damage from laser equipment. Extent to be determined by space and equipment needs and to be reviewed by Project Officer, Occupational Health and Interior Modification Planner. Only products certified as laser curtains will be accepted.

#### Laser Curtain Fabric

1. Must meet all certification requirement and industry standards.

### **12 22 16 DRAPERY TRACK AND ACCESSORIES**

#### Track and Accessories

1. All drapery track and window treatment head-rails are to be securely fastened by toggle bolts or molly anchors, not more than 610mm o.c.

#### Drapery Hardware

1. Hand draw system standard (pinch pleat).
2. Fling rods are not required.
3. Single channel track: Kirsch/Draco #94003 – Finish: #90 Aluminum.
4. End caps: #94141 – Finish: #61 Bright Zinc.
5. Overlap masters: RH and LH #94113 and 94114.
6. Glides/carriers: #9670 – Finish: #25 White.
7. Brackets: type shall be determined in consultation with Interior Planning Modifications and UVic Housing and be consistent with window/building design: #94140 Ceiling, #94132 Wall – Finish: #61 Bright Zinc.

#### 12 26 00 INTERIOR DAYLIGHTING DEVICES

##### Interior Window Film Design Considerations

1. Provide window film to interior glazing that requires additional privacy for offices, meeting rooms, classrooms, labs and suites.

##### Film Material – Materials

2. Window Film shall at a minimum the meet following requirements.
  - i. Color: White Mist
  - ii. Visible Ray Transmission: 71%
  - iii. Ultraviolet Ray Transmission <1%
  - iv. Insolation Transmission: 68%
  - v. Insolation Reflectivity: 16%
  - vi. Insolation Absorbency 16%
  - vii. Shading Coefficient: 0.83

##### Film Design

3. Figure 12 20 00-1 represents an example of a window film installation. The Facilities Management Interior Modification Services Department will collaborate and assist with film application locations and design details. Final design approvals will be made by the Manager of Interior Modification Services and/or the Director of Project Management Services.

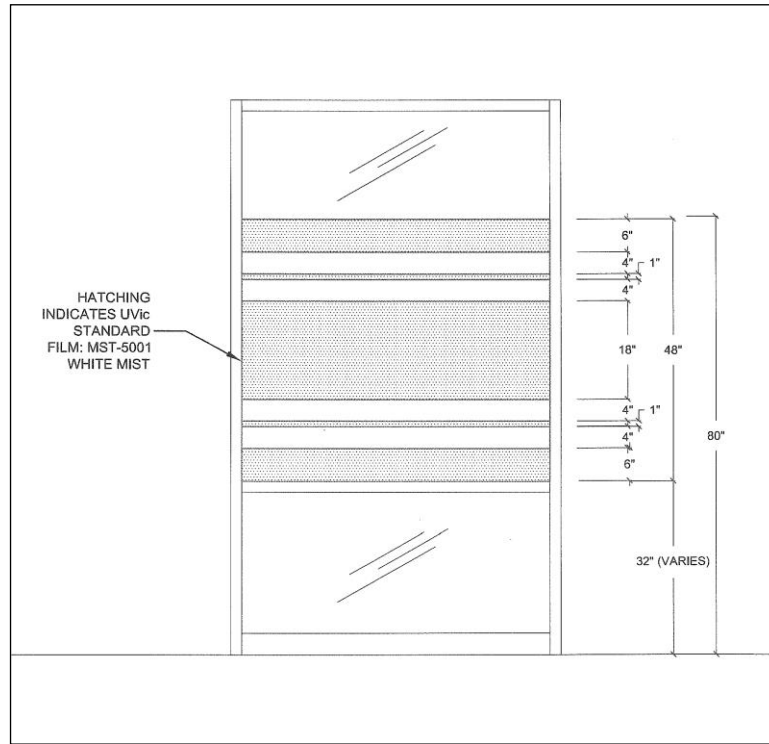
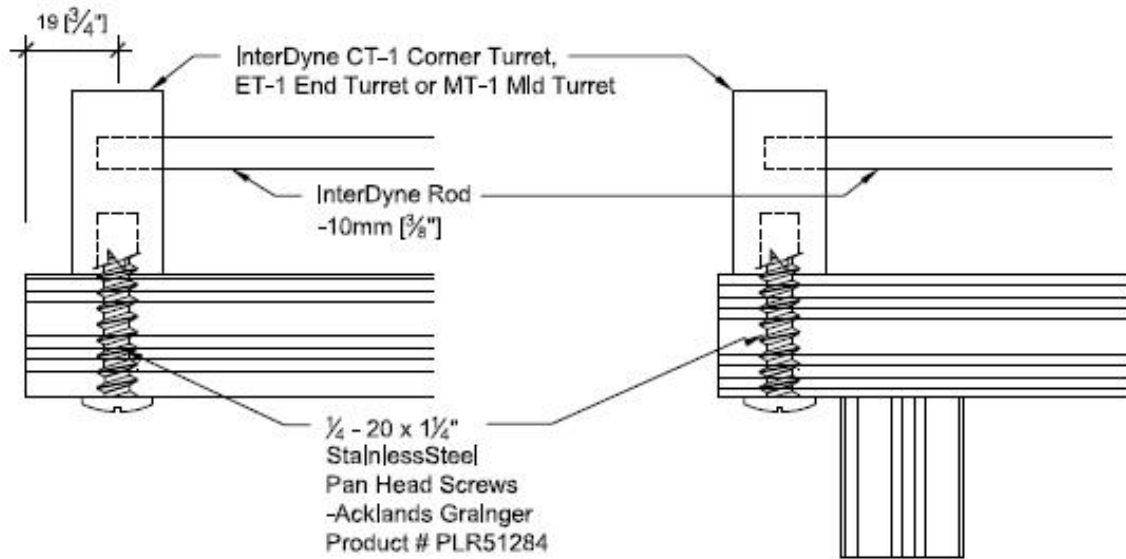


Figure 12 20 00-1

**12 30 00 CASEWORK**

**12 35 53 LABORATORY CASEWORK**

1. Preference is for pre-fabricated metal casework with factory finishes in all laboratory applications.
2. Design all shelving with appropriate anti spill protection to meet all earthquake requirements.
3. Preference is for epoxy resin shelving.
4. Casework shall be white powder coated finish only.
5. Design for vibration control.
6. Fixed vs mobile casework should be confirmed with the consultant and client. Mobile lower cabinets should be considered based on application.
7. Where anti-tip rails are required see designs shall conform to figure 12 30 00-1 for new construction details and figure 12 30 00-2 for retrofits.



1. Detail - Upper Shelf

2. Detail - Lower Shelf



3. Photo (Example

Notes;

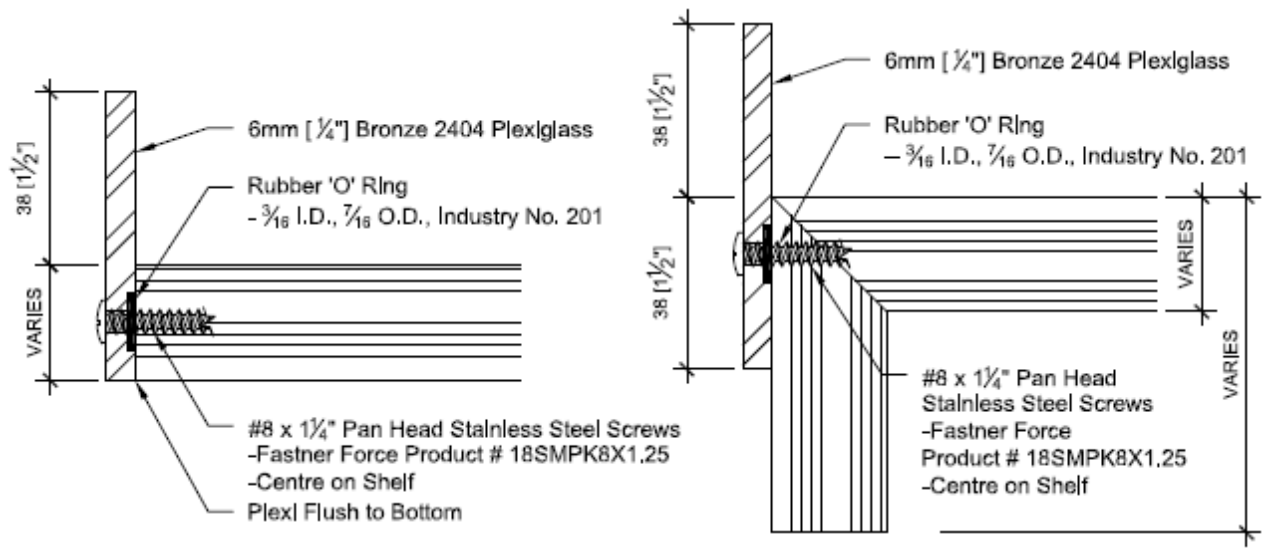
Space Turrets max. 914mm [36"] o.c.  
-Use Mld Turrets as needed

Rails to be separate on adjacent shelves  
-Not to be continuous

Rails to cover sides where gap between shelves is greater than 26mm [1"] on open-sided shelves

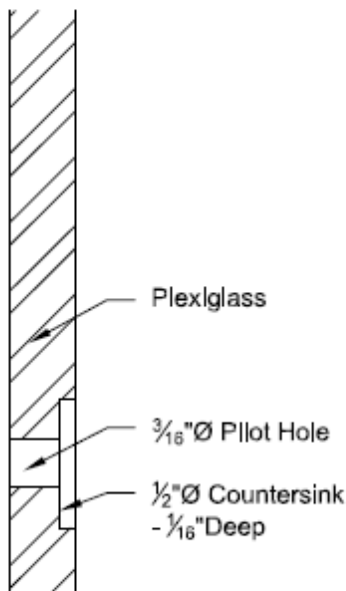
Rails to cover sides on on open-sided shelves

Figure 12 30 00-1

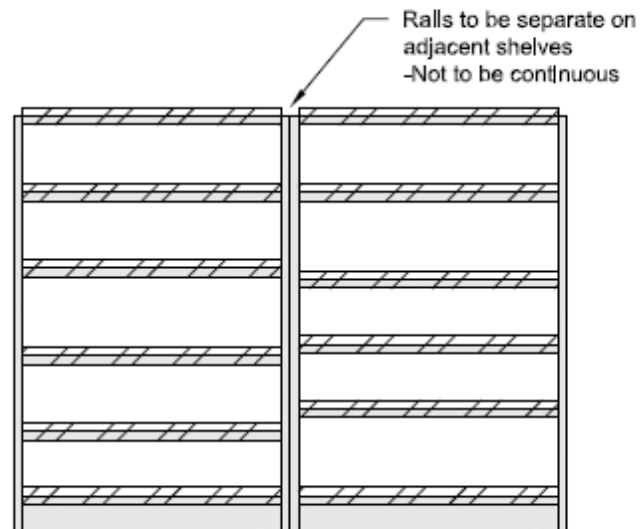


1. Detail - Upper Shelf

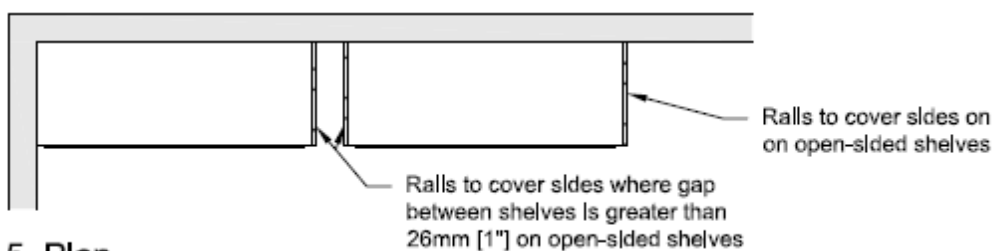
2. Detail - Flush-Mount Lower Shelf



3. Detail - Plexi



4. Elevation



5. Plan

- Notes:**
- Space Stainless Steel Screws min. 305mm [12\"] o.c.
  - Joint & Buff all edges

Figure 12 30 00-2

**12 36 00 COUNTERTOPS**

Laboratory Countertops / Work Surfaces

1. Design to minimize joints. Where possible, tops to be continuous with no open seams.
2. Surfaces to be integral with backsplash wherever possible.
3. All edges to be rounded.
4. Ensure all surfaces meet the requirements for the specified containment level.
5. Acceptable materials (confirm selection requirements with FMGT).
  - i. Solid epoxy resin.
  - ii. Stainless steel (minimum 14 ga. Grade 304).
  - iii. Natural stone.
  - iv. Phenolic resin (HPL) .