



501e

CURVED ROOF DESIGN

Features:

Tower Elements Available

Decorative Fascia System

Integral Equipment Room

ACM Cladding Options

Decorative Steel Panels

Decorative Steel Sign Panels

GENERAL :

1. I-5 High Strength Tubular Steel (HSS) structural frame members. Designed to the most recent IBC or current local building codes with standard design loads of the greater value of 30lbs. per S.F. live load and 100 mph sustained wind load or site specific conditions and applicable zone regarding seismic loads. Connecting bolts shall be A-307 or A-325 specifications, hidden at all connections. all frame members shall be structural steel tube sized according to structural engineering calculations minimum .120 wall thickness.
2. All frame members designed according to the American Institute of Steel Construction (AISC) for cold formed structural members. All fabrication welds shall be in accordance with the guidelines of the American Welding Society (AWS). Field welding is not required.
3. Structural Calculations and Stamped Engineering is provided to meet federal, local codes and site conditions determined by zones.

FRAME FINISH :

1. All tubular structural steel members shall be prepared with our i-5 Finish System which is a TGIC Poly Powder Coating with a zinc enriched applied primer in multiple layers.

ROOFING :

1. All standard roofing packages shall be 24 Gauge Zincolume / Galvalume coated steel panels, ICBO #ER-2757 spec. HR-36 Commercial Corrugated Steel Panels exposed fasteners. Pre-finished from their manufacturers and subject to their specific warranties. Other roof systems available. See Manufacturer for specific materials specs.

GLAZING :

1. All Standard Glass Systems shall be Storefront Type Systems with 1/4" un-insulated or 1" insulated (in Cold Weather Package) Safety Glass: secured within 4 1/2" Anodized Aluminum Framework with urethane seals.

KNEE WALL PANELS :

1. Knee wall glazing panels shall be 3mm Aluminum Composite Material (ACM) in coordinating colors.

PVC TUNNEL DIVISOR WALLS :

1. Shall consist of galvanized steel 18 Gauge studs forming a wall frame with solid sheeting applied to the Tunnel side, covered with a water resistant wrap (similar to Dupont Tyvek) with a 1/2" Tongue and Groove PVC Panels applied with matching trims.

MAN DOORS :

1. Equipment Room: steel slab painted man doors @ entrance / exterior.
2. PVC Man door for Equipment Room to Tunnel access.
3. Aluminum Man Doors with glass at all exterior office area locations.