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<th>OPENING WIDTH</th>
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**FIRE SHUTTER**

**DURASHUTTER UCP/UCS**

**INTERIOR FACE MOUNT CRANK OPERATION**

**DOORS SHALL BE ROLLING STEEL MODEL FIRE CURTAIN "SELECT" OR "STANDARD" (FIRE COUNTER SHUTTER) AS MANUFACTURED BY RAYNOR GARAGE DOORS.**

**DOOR(S) COMPLY WITH UNDERWRITERS LABORATORIES REQUIREMENTS FOR A 3-HOUR RATING.**

**BARS-- STRUCTURAL STEEL PIPE, MINIMUM 4-1/2" (114.3mm) O.D. X 0.375" (9.52mm) WALL THICKNESS AND DESIGNED TO LIMIT MAXIMUM DEFLECTION. UNDER LOAD. TO .03" (.762mm) PER FOOT OF SPAN.**

**SPRING COUNTERBALANCE-- THE CURTAIN SHALL BE COUNTERBALANCED BY MEANS OF OIL TEMPERED, HELICAL TORSION SPRING, GREASE PACKED AND MOUNTED ON A SINGLE CONTINUOUS STEEL TORSION SHAFT. SPRINGS SHALL BE COMPRESSION SPRING DESIGN TO FACILITATE ANY COUNTERBALANCE MAINTENANCE. CAST IRON SPRING ANCHORS SHALL TRANSFER FULL SPRING LOADING TO THE BARREL.**

**BRACKETS-- 10 GAUGE GALVANIZED STEEL WITH FLANGED MOUNTING SURFACE FOR HOOD ATTACHMENT. INSIDE SURFACE SHALL BE FLUSH WITH GUIDE GROOVE. DRIVE SIDE BRACKET SHALL BE FITTED WITH A SEALED BALL BEARING FOR CONTINUED PERFORMANCE.**

**JAMB CONSTRUCTION USING OTHER THAN MASONRY OR STRUCTURAL STEEL, WRAPPED MASONRY MUST RECEIVE APPROVAL FROM LOCAL AUTHORITIES.**

**AUTOMATIC CLOSURE-- AUTOMATIC CLOSING TO BE INITIATED BY MELTING A 165 DEGREE FUSIBLE LINK. OPERATION MECHANISM SHALL BE DISSINGAGED DURING AUTOMATIC CLOSING OF THE DOOR. RATE OF DESCENT SHALL BE CONTROLLED BY A GOVERNOR.**

**CRANK-- BY MEANS OF WORM GEARS WITH REMOVABLE HANDLE.**

- **MODEL UCS**
  - CURTAIN-- SHALL BE 22 GA. INTERLOCKING SLATS, ROLLFORMED STAINLESS STEEL. FINISH SHALL BE A #4 FINISH. PLATED ENDCOACH FASTENED TO ALTERNATE SLATS TO LIMIT LATERAL MOVEMENT AND PREVENT SLATS FROM WEARING AT SURFACES COMING IN CONTACT WITH GUIDES. BOTTOM BAR SHALL BE TUBULAR SHAPED TO REINFORCE THE CURTAIN WITH FOAM RUBBER ASTRAGAL FOR SILL PROTECTION.
  - GUIDES-- SHALL BE 13 GA. STAINLESS STEEL, #4 FINISH, WITH REMOVABLE BELLMOUTH CURTAIN TOPS.
  - HOOD & SIDE COVERS-- SHALL BE 24 GAUGE STAINLESS STEEL WITH A #4 FINISH. HOOD TO HAVE ROLLED EDGES TO PROVIDE RIGIDITY.

- **MODEL UCS**
  - CURTAIN-- SHALL BE INTERLOCKING SLATS; 22 GA.; ROLLFORMED FROM COMMERCIAL QUALITY HOT DIPPED GALVANIZED (G-ZP) STEEL. PER ASTM A-653. FINISH SHALL BE A TWO COAT BAKED ON PRIME PAINT APPLIED PRIOR TO ROLLFORMING. PLATED ENDCOACH FASTENED TO ALTERNATE SLATS TO LIMIT LATERAL MOVEMENT AND PREVENT SLATS FROM WEARING AT SURFACES COMING IN CONTACT WITH GUIDES. BOTTOM BAR SHALL BE TUBULAR SHAPED TO REINFORCE THE CURTAIN WITH FOAM RUBBER ASTRAGAL FOR SILL PROTECTION.
  - GUIDES-- SHALL BE 13 GA. GALVANIZED STEEL WITH REMOVABLE BELLMOUTH CURTAIN TOPS.
  - HOOD & SIDE COVERS-- SHALL BE 24 GAUGE COMMERCIAL QUALITY HOT DIPPED GALVANIZED STEEL. HOOD TO HAVE ROLLED EDGES TO PROVIDE RIGIDITY.

**LEFT HAND DRIVE (SHOWN)**

**RIGHT HAND DRIVE**

"ELEVATION"

**COUNTER TOP BY OTHERS**

**SHEET 1 OF 2**
"GUIDE DETAIL"

CHARGE HEADPLATE

DRIVE HEADPLATE

OPENING WIDTH

STEEL JAMBS

MASONARY JAMBS

DRYWALL

OPENING HEIGHT

WALL SLEEVE BY OTHERS

DIMENSION "C"

DIMENSION "D"

2 1/16" (52.4mm)

4 1/4" (102mm)

2 1/2" (63.5mm) UPSET

1/2" (12.7mm)

1 1/4" (31.8mm)

1 - 7/8" (50.8mm)

1/4" INSET (6.4mm)

1 1/4" INSET (31.8mm)

1 - 7/8"