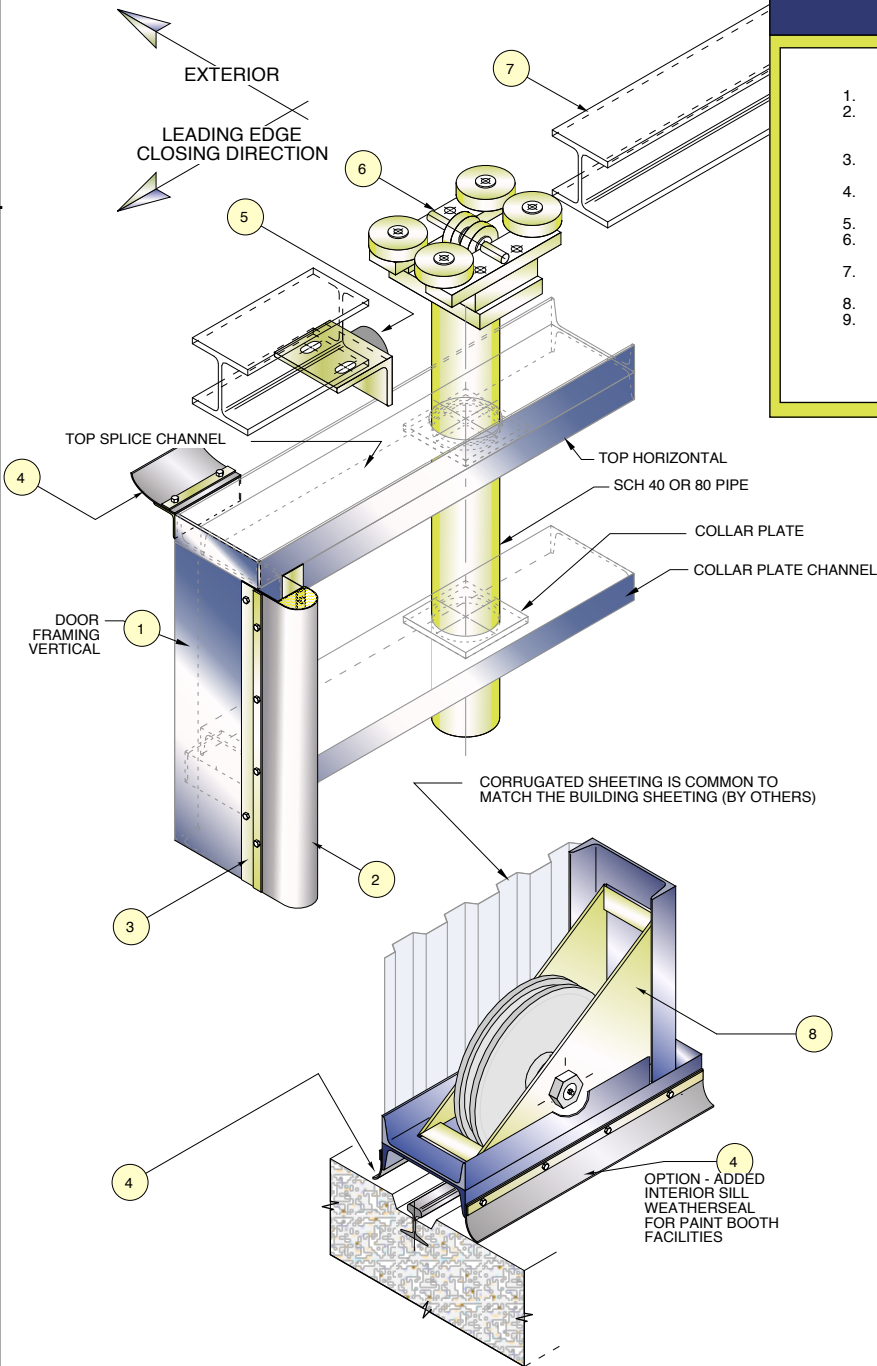


## HANGAR DOOR HARDWARE

1. DOOR FRAMING TOWER ASSEMBLY
2. VERTICAL WEATHERSEALS ARE A BULB TYPE SHEET RUBBER EPDM (ETHYLENE, PROPYLENE, DIENE, TERPOLYMER) WITH A RESILIENT URETHANE FOAM CORE
3. FORMED VERTICAL WEATHERSEAL STAND-OFF/SHEETING SUPPORT ASSEMBLY
4. HEADER AND SILL WEATHERSEALS ARE SHEET TYPE RUBBER EPDM (ETHYLENE, PROPYLENE, DIENE, TERPOLYMER)
5. TOP GUIDE TRACK BUMPER ASSEMBLY
6. TELESCOPING TOP ROLLER ASSEMBLY
  - TWO VERTICAL ROLLERS AND FOUR HORIZONTAL ROLLERS
7. W-BEAM TOP GUIDE TRACK ASSEMBLY IN FACTORY FABRICATED ASSEMBLIES
8. SOLID STEEL WHEEL MACHINED TO FIT THE A.S.C.E. BOTTOM RAIL
9. SINGLE AND DOUBLE BUMPER PICK-UP BRACKETS. INTERCONNECTS MULTIPLE DOOR SECTIONS



Telescoping top roller assemblies accommodate the designed wind load specification and also meet the buildings deflection criteria.

- The maintenance free vertical and horizontal rollers guide the door with a smooth and secure operation. The telescoping pipe captivates the upper portion of each door section to the W-Beam guide track assembly.

Bottom wheel assemblies also accommodate the specified loading criteria.

- Tapered roller bearings with high pressure grease fittings provides years of trouble free service.
- The wheel housing is designed to allow removal of the wheel without having to take down the door framing.

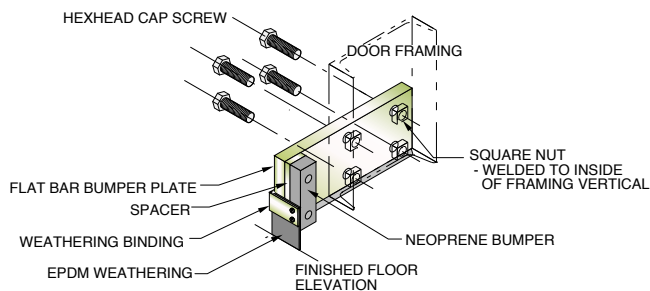
Perimeter Weather Seals.

- Vertical door to door, door to jamb and sill weather seals are sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer). Vertical weather seals between the door sections shall seal against the lead edge stand-off assembly and not come in contact with the door sheeting. Vertical center door to door bulb seals will compress tightly when the door sections are in their closed position. Head Sill weather seals are flap type sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer). All weather seals shall be retained with full binding strips attached with rust resistant fasteners.

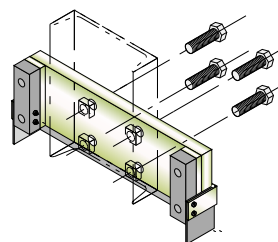
Neoprene cushioned bumper pick-up system.

- Interconnects door sections. Allowing one operator to move multiple panels.

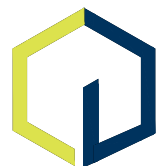
**X**  
**X|X** INTERIOR ELEVATION AT THE TOP ROLLER AND BOTTOM WHEEL ASSEMBLY



**9** SINGLE BUMPER ASSEMBLY



**9** DOUBLE BUMPER ASSEMBLY



**DOOR**  
**ENGINEERING**  
AND MANUFACTURING