

Reliance™ - HTC Curtain Wall — triple glaze thermal composite curtain wall system by Oldcastle BuildingEnvelope®

To meet demands for more stringent thermal performance criteria, the Reliance™-HTC curtain wall system was developed by Oldcastle BuildingEnvelope®. Able to meet the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) climate zones 1-8, this thermal composite curtain wall system features outside glazing with captured and SSG vertical mullions, offering superior thermal performance through the use of polyamide struts. Reliance™-HTC is offered in 7-1/4" and 10" depths for 1-3/4" glazing. Also available in 7-1/2" and 10-1/4" depths for 2" glazing.



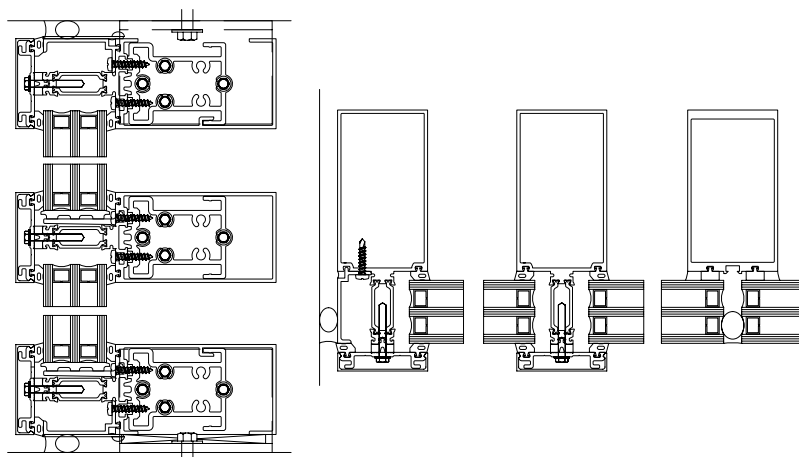
Features

- Overall system dimensions:
2-1/2" x 7-1/4" and 10" for 1-3/4" glazing
2-1/2" x 7-1/2" and 10-1/4" for 2" glazing
- Front set, outside glazed configuration
- Captured and SSG vertical mullions
- Superior thermal separation provided through insulating strips on all vertical and horizontal members
- Enhanced acoustical properties
- Accommodates ZS-30 projected and casement vents
- Factory painted Kynar 500®/Hylar 5000® finishes, meeting all provisions of AAMA 2605
- Factory anodized finishing

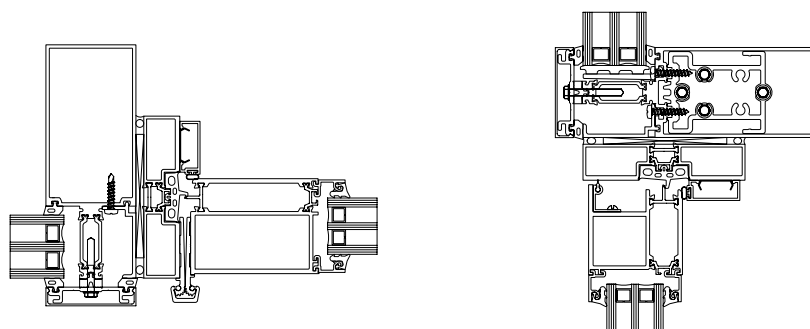


Iowa State University, Recreation Facility, Ames, IA
Architect: RDg Planning & Design

Details



Standard Details Available in Multiple Depths



Entrance Details with AD-375

Performance

- Air Infiltration: <.06 CFM/SQ FT (6.24 PSF) per ASTM E283
- Static Water: 15 PSF per ASTM E331
- Dynamic Water: 15 PSF per AAMA 501.1
- Deflection Load: 40 PSF per ASTM E330
- Structural Load: 60 PSF per ASTM E330
- Seismic: Three levels of deflection per AAMA 501.4
- STC: 33 (3 x 1/4", 2 x 1/2" airspace)
39 (3 x 1/4" laminated, 2 x 1/2" airspace)
- OITC: 28 (3 x 1/4", 2 x 1/2" airspace)
30 (3 x 1/4" laminated, 2 x 1/2" airspace)
- Thermal Performance per AAMA 1503 for clear 1-3/4" insulating glass:
U-factor = 0.37
CRF = 81
for Low-E 1-3/4" insulating glass:
U-factor = 0.20
CRF = 84
- NFRC Certified
- Thermal Performance Characteristics per AAMA 507