

T-2500-series CurtainWall Framing

Exterior Glazed Thermally Improved

Product Details

Details:

- T-2500 series has a 2-1/2" sightline with various frame depth options from 5-1/2" to 15-3/4".
- Designed for low to medium rise construction.
- Utilizes a snap-in heavy duty CDM-32 door stop, which is 3/16" thick, 5/8" high and 1-1/2" wide. This door stop is an excellent choice where closers, removable hardware mullion, and strikes are mounted directly to door stop.
- Exterior glazed with thermally isolated screw-applied pressure plates with a snap-cover. Inside glaze also available.
- Additional feature: Stabilizer brackets are used in areas, where extra reinforcement and support are needed.
- Unlimited design possibilities and hardware options.
- Infills range from 1/4" to 1".
- Virtually maintenance-free construction.
- Custom and standard anodized, painted, and wood grain finishes.
- UltraFab's UltraFin weatherseals for door stops.
- Unlimited head rail, midrail, and base sizes and configurations available.
- Numerous muntin details available.
- Flush glazed door panels (fluted and smooth patterns) available.
- Concealed card readers available.
- Sunshade adaptable.
- Operable window, sill stools, and sloped cover end options available.
- Also available in screwspline and thermal I-strut constructions.

Product Uses

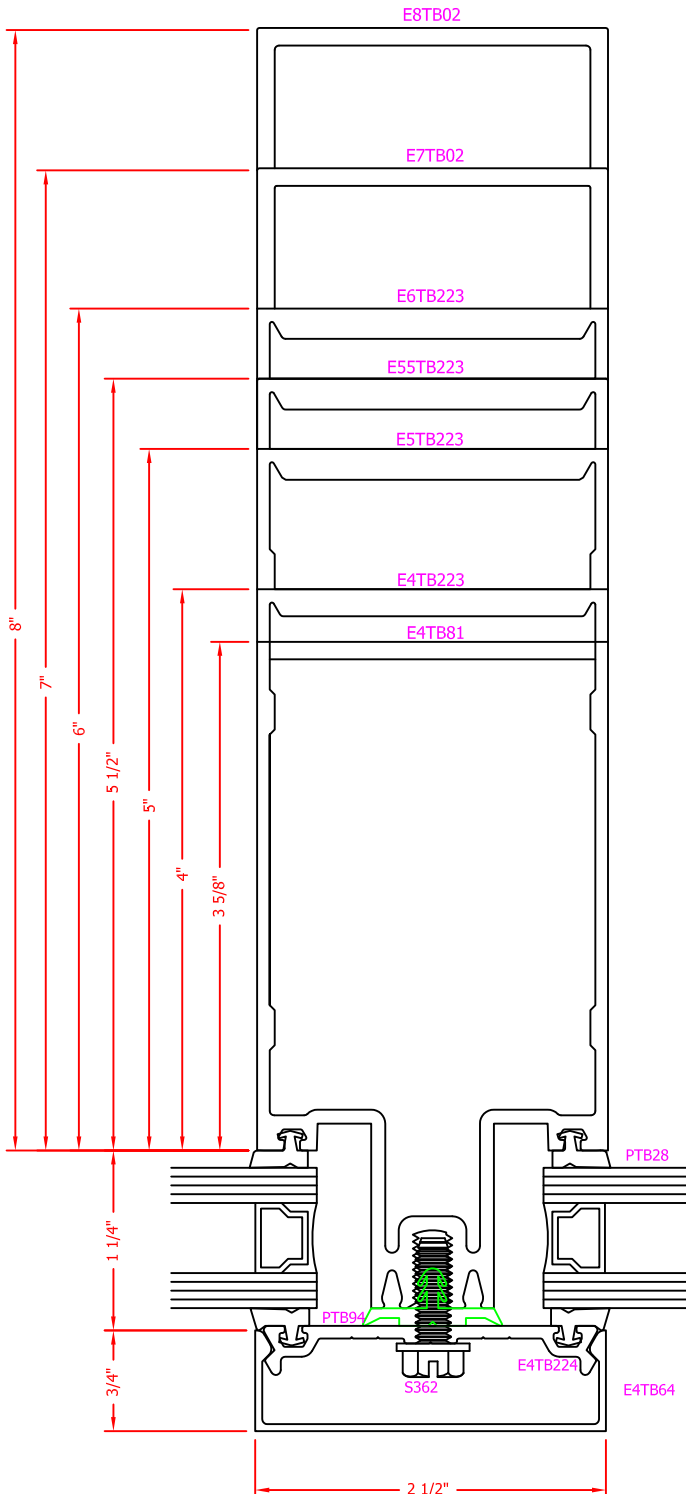
- Areas of common use: Schools, universities, banks, stores, government buildings, restaurants, hotels, utilities buildings, YMCAs, indoor pool areas, aquatic centers.

T-2500-SERIES CURTAINWALL

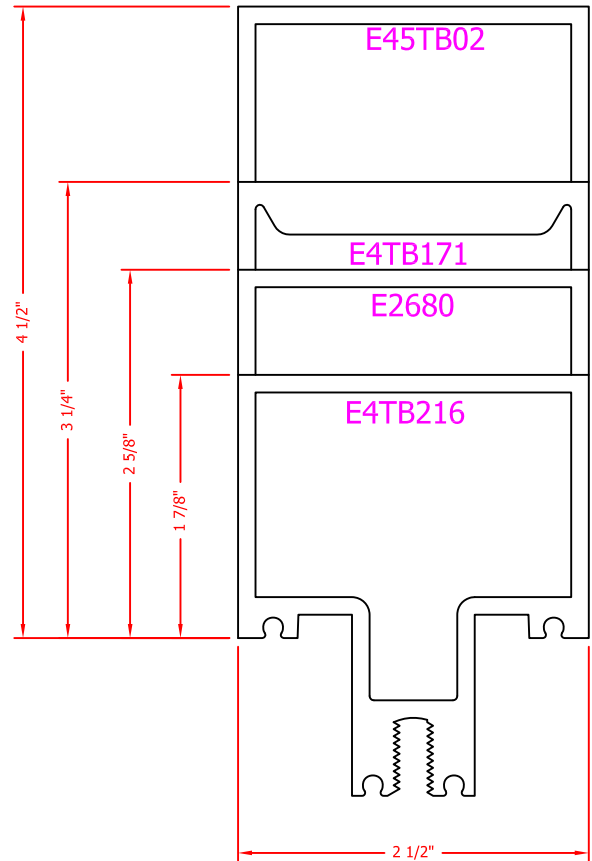
Back Members and Snap Cover Details

*Note: Add 1-1/4" to snap cover and back member dimensions to get total frame depth.

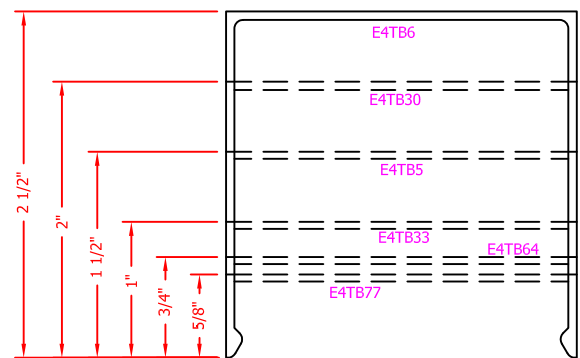
Standard Back Members



Additional Back Members



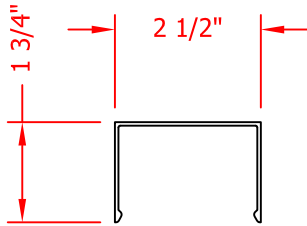
Standard Pressure Plates



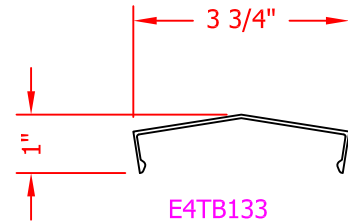
Steel Reinforcement can be added to tubular backmembers in areas, where it is needed.

T-2500-SERIES CURTAINWALL

Additional Non-standard Pressure Plate Covers

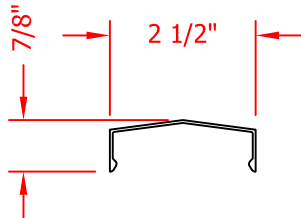


E4TB220



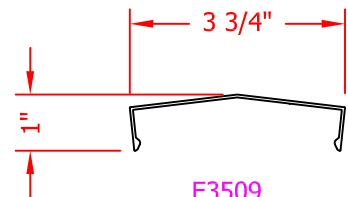
E4TB133

(18°)



E4TB153

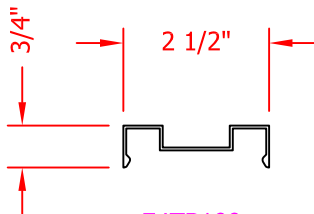
FITS WITH E4TB152



E3509

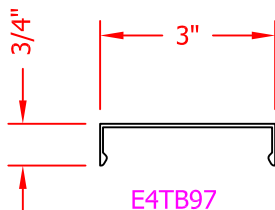
FITS WITH E3510 & 3508

(14°)

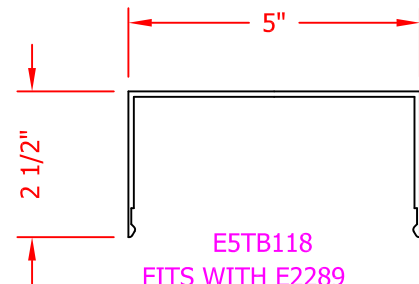


E4TB199

FITS WITH E4TB76

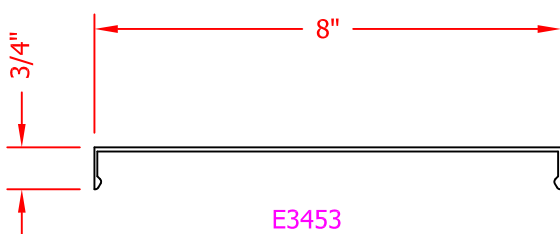


E4TB97



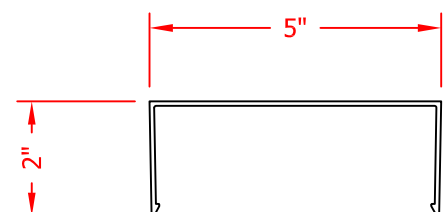
E5TB118

FITS WITH E2289



E3453

FITS WITH E4TB211

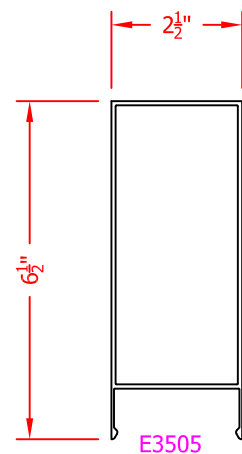
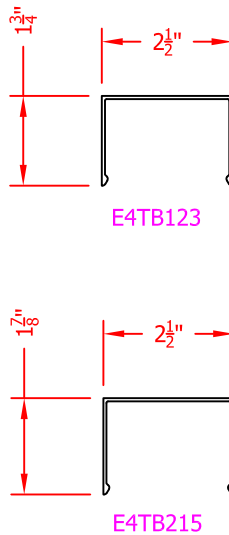
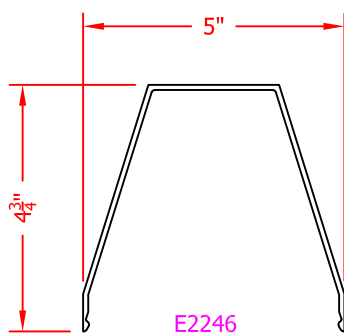
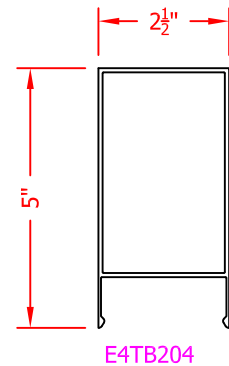
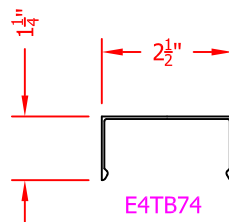
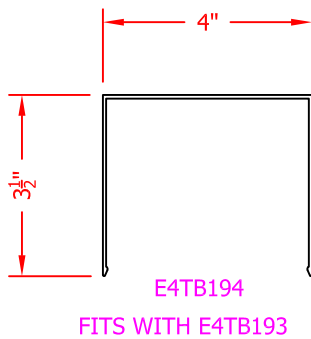
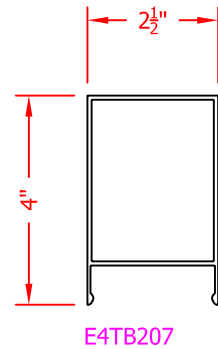
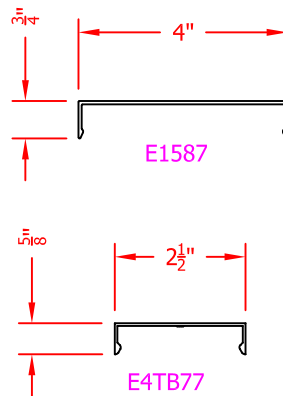
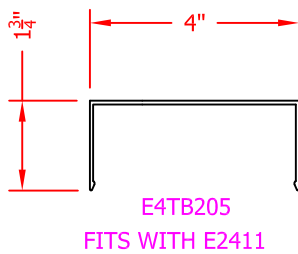
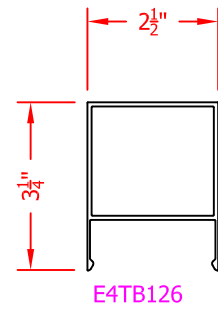
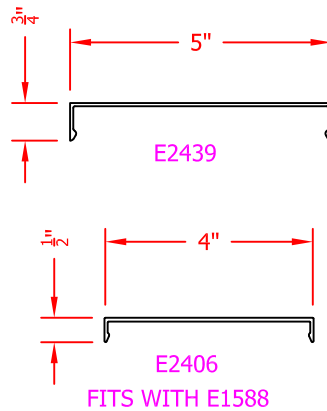
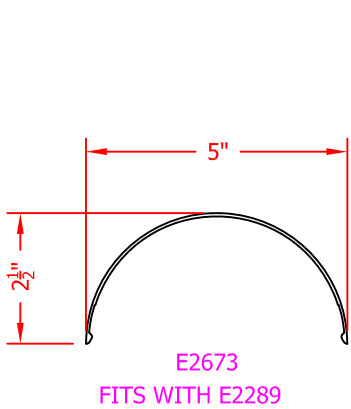


E4TB133

FITS WITH E4TB190

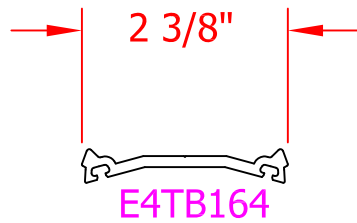
T-2500-SERIES CURTAINWALL

Additional Non-standard Pressure Plate Covers

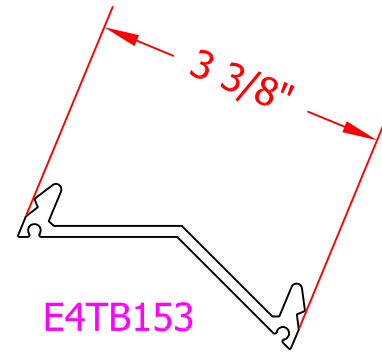


T-2500-SERIES CURTAINWALL

Non-Standard Pressure Plates



E4TB164

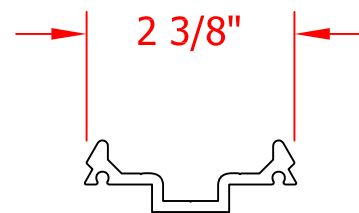


E4TB153

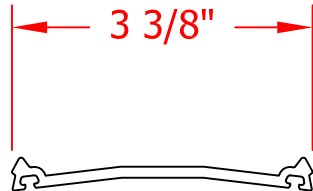
FITS WITH E4TB160



E4TB96

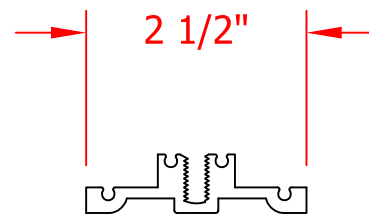


E4TB102

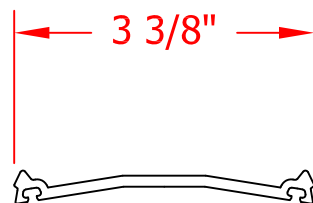


E3510

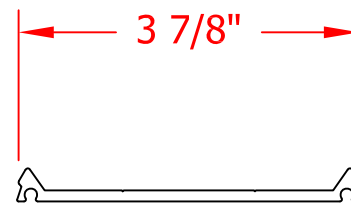
FITS WITH E3508 & E3509



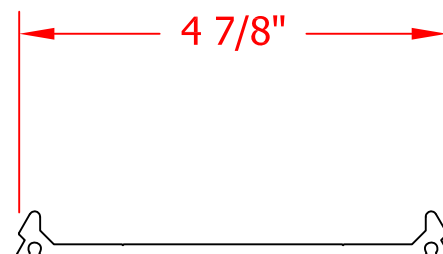
E4TB40



E4TB134



E2411



E2289

FITS WITH E2290 & E2288

CROSS
Aluminum

Technical drawing of a PTB83 F-ANCHOR assembly. The drawing shows a cross-section of the anchor installed in a concrete wall. Key dimensions and components are labeled:

- 1.4" MIN.**: Dimension for the concrete cover over the anchor head.
- 3"**: Dimension for the total length of the anchor.
- ANCHOR N.B.C.**: Label for the anchor, indicating it is Not in Contact with the concrete.
- NOTCH HORIZ. TO CLEAR FRAME CLIP & ANCHOR**: Label for the notch cut into the concrete, indicating it should be horizontal to clear the frame clip and anchor.
- PTB83 F-ANCHOR**: Label for the main anchor component.
- S139**: Label for the frame clip.
- PTB FRAME CLIP**: Label for the frame clip component.

Diagram illustrating the E4TB623 window frame assembly. The diagram shows a cross-section of the frame with various components labeled:

- E4TB623**: The main window frame assembly.
- E3162**: The lower sash or panel.
- PTB20**: A component on the left side of the lower sash.
- PTB94**: A component on the right side of the lower sash.
- E4TB625**: A component on the right side of the lower sash.
- E4TB64**: A component on the right side of the lower sash.

Dimensions are indicated by red lines:

- Overall height: 6"
- Height of the lower sash: 1 1/4"
- Height of the lower sash: 3/4"
- Width of the lower sash: 2 1/2"
- Width of the lower sash: 1/2"

Additional notes:

- APPLY GENEROUS BEAD OF BEAUFANT PRIOR TO FRAME INSTALLATION
- DO NOT

PTB FRAME CLIP S130

PTB84 T-ANCHOR

SHIMS N.B.C.

ANCHOR N.B.C.

NOTCH HORIZ. TO CLEAR FRAME CLIP & ANCHOR

3"

3"

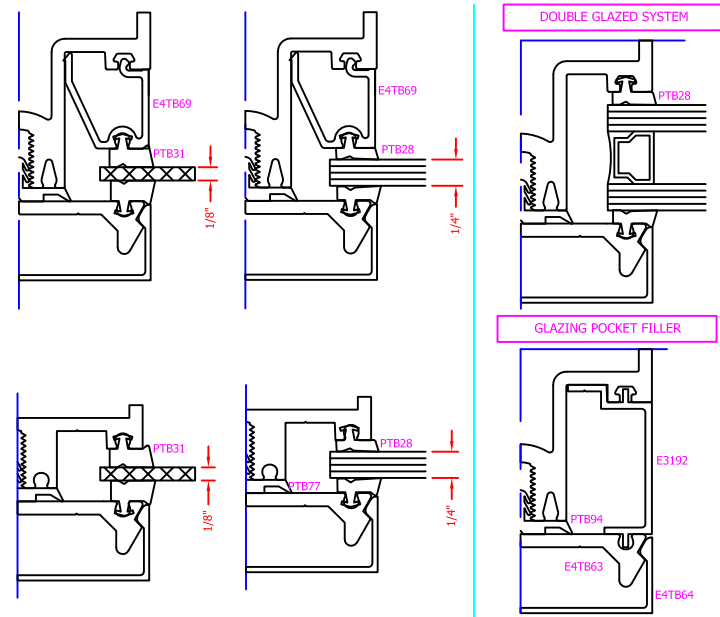
1/2"

T-2500-SERIES CURTAINWALL

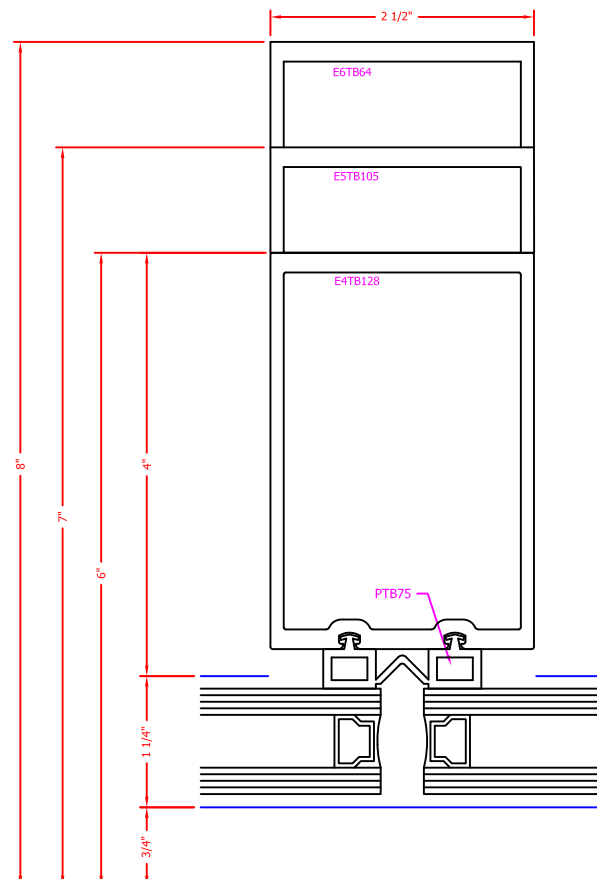
Glazing Pockets and Silicone Glazed Verticals



Glass Pocket Reducers & Pressure Plate Covers



Silicone Glazed Verticals

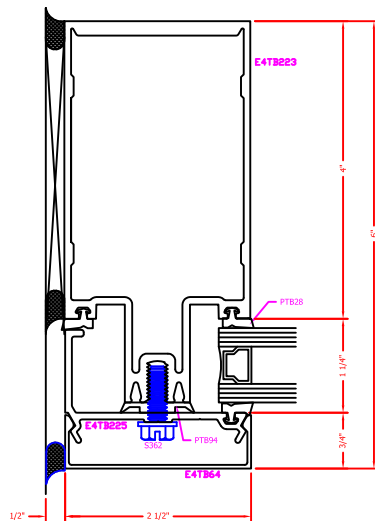


T-2500-SERIES CURTAINWALL

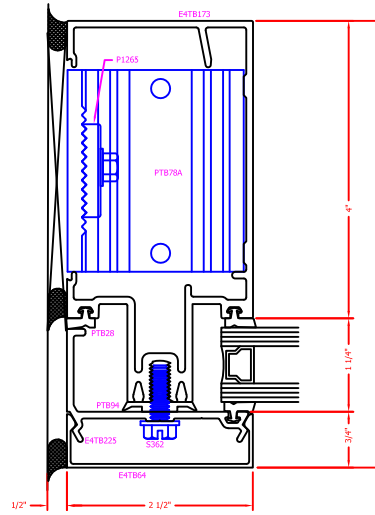
Vertical Members



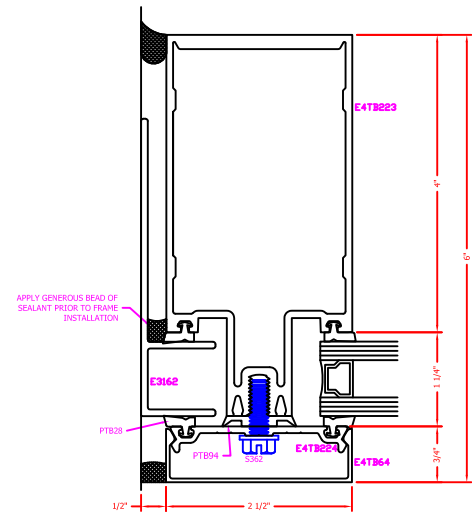
Tubular Jamb - Standard



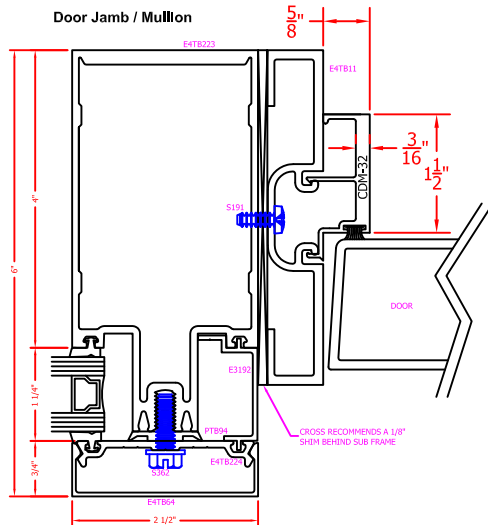
Open Back Jamb



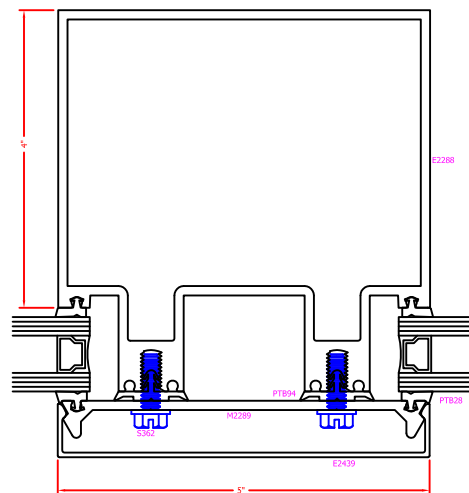
Tubular Jamb With "F" Jamb Anchor



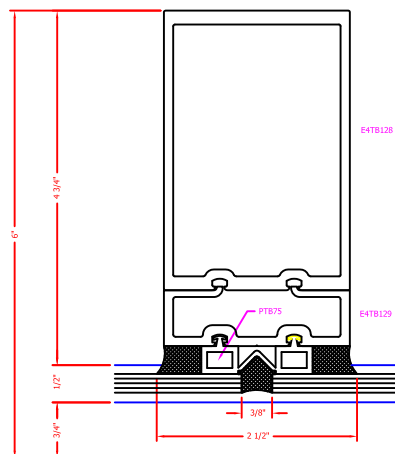
Door Jamb / Mullion



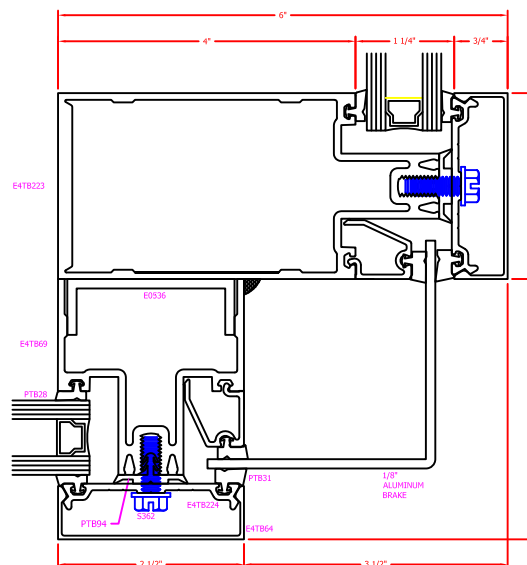
5" x 4" Vertical



Silicone Glazed Vertical - 1/4" Glass



Outside Corner



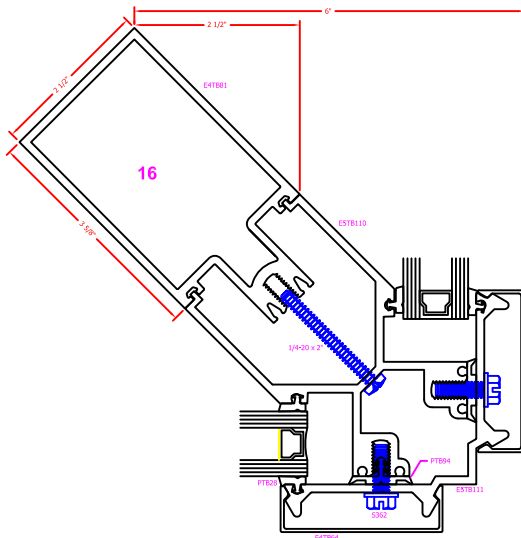
*Note: All frame depths similar as above just with different snap covers and back members. Steel reinforcement can be added to tubular backmembers in areas, where it is needed.

T-2500-SERIES CURTAINWALL

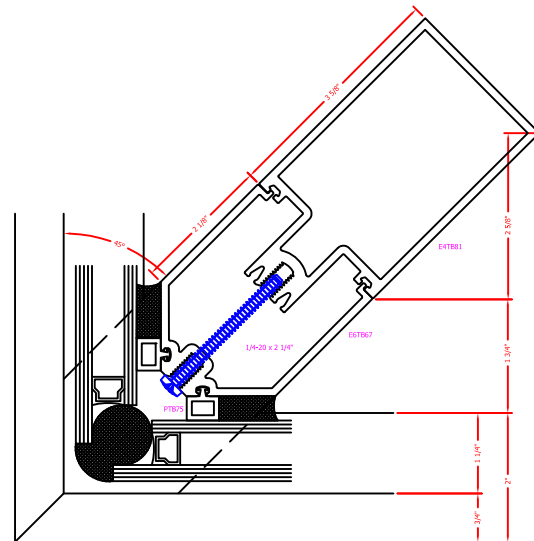
Corners and Splayed Mullions



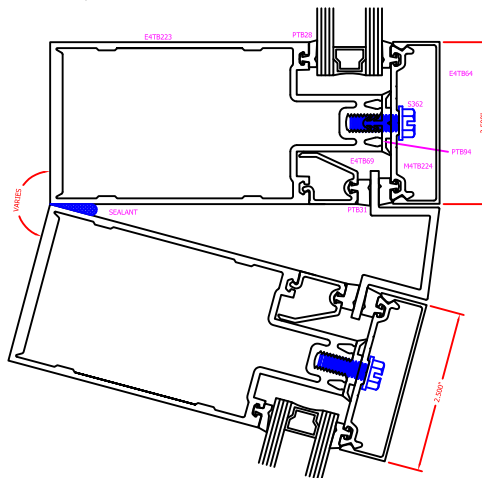
Outside Corner - Captured 4" System



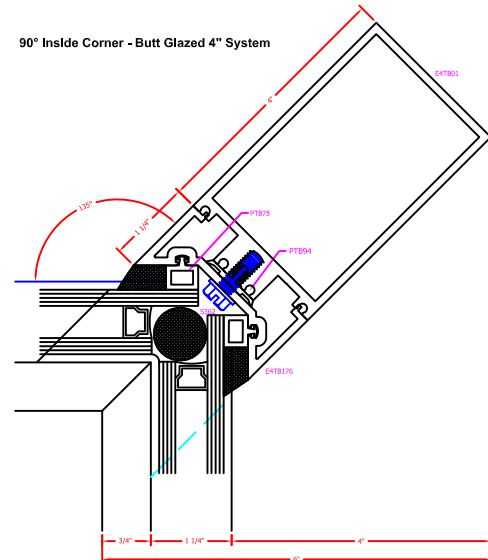
90° Outside Corner - Butt Glazed 4" System



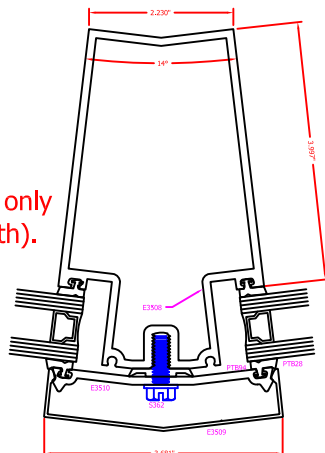
Vertical Splayed Corner



90° Inside Corner - Butt Glazed 4" System

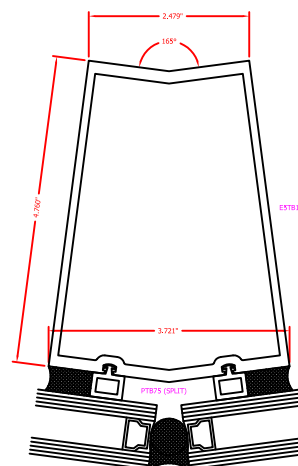


Splayed Mullion



Note: This splayed detail is only available as shown (6" depth).

5" Splayed Mullion



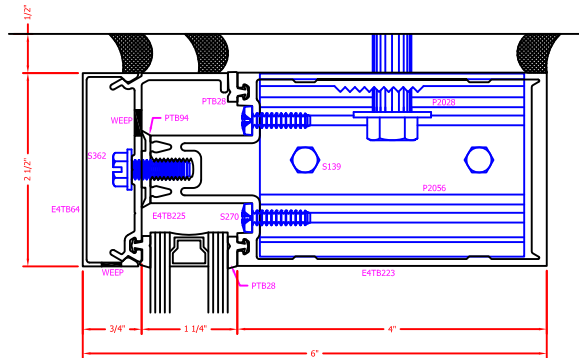
Note: This splayed detail is available as shown (6" depth) and 7 inch depth.

T-2500-SERIES CURTAINWALL

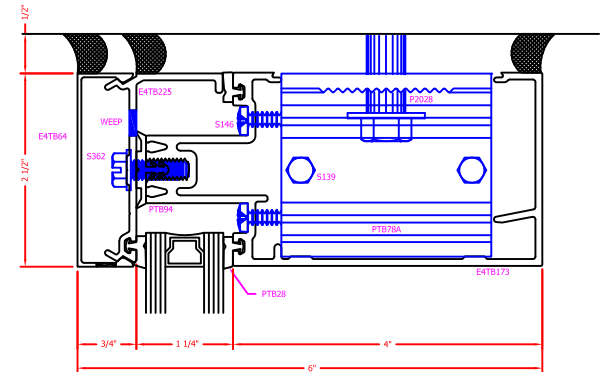
Horizontal Details



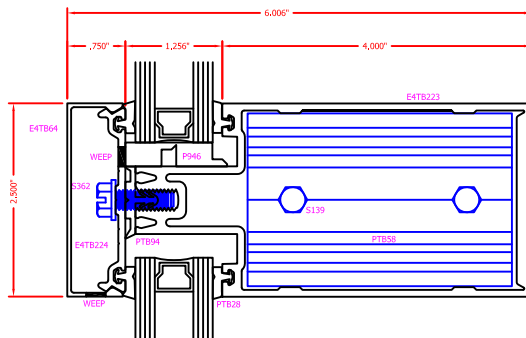
Tubular Head - Standard



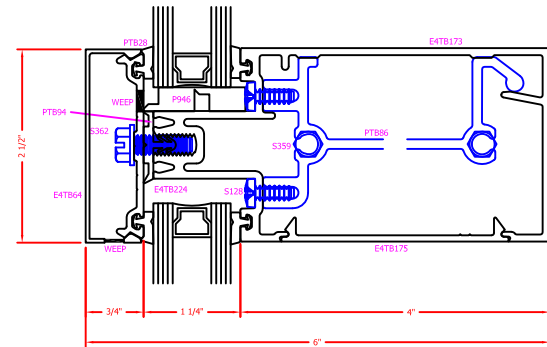
Open Back Head



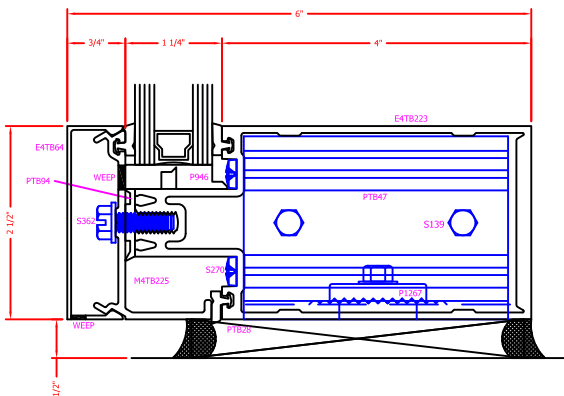
Horizontal - Standard



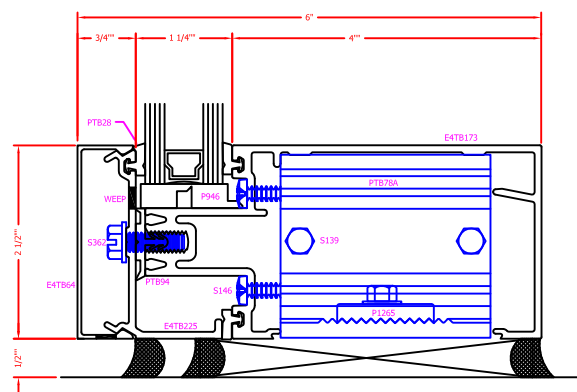
Roll Over Horizontal



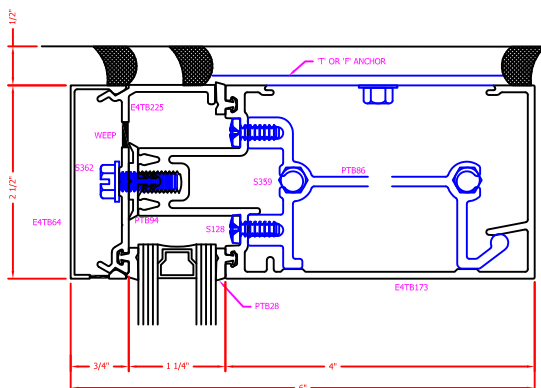
Tubular Sill - Standard



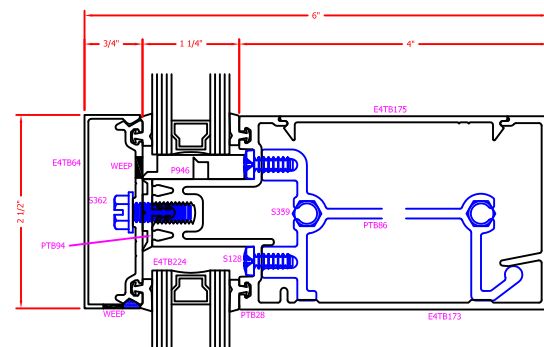
Open Back Sill



Open Back Head / Roll Over Shear Block



Roll Over Horizontal / From Bottom



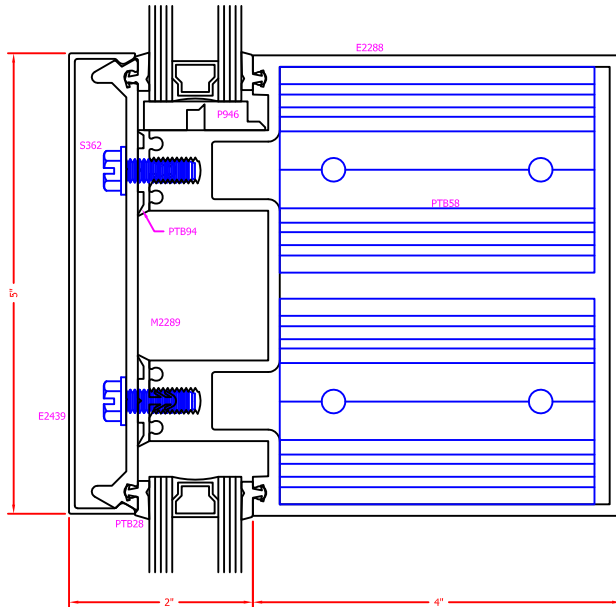
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Steel Reinforcement can be added to tubular backmembers in areas, where it is needed.

T-2500-SERIES CURTAINWALL

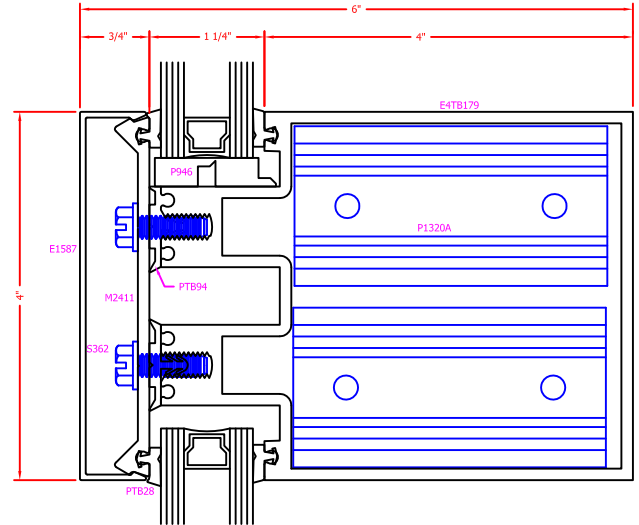
Horizontal and Door Header Details



5" x 4" Horizontal

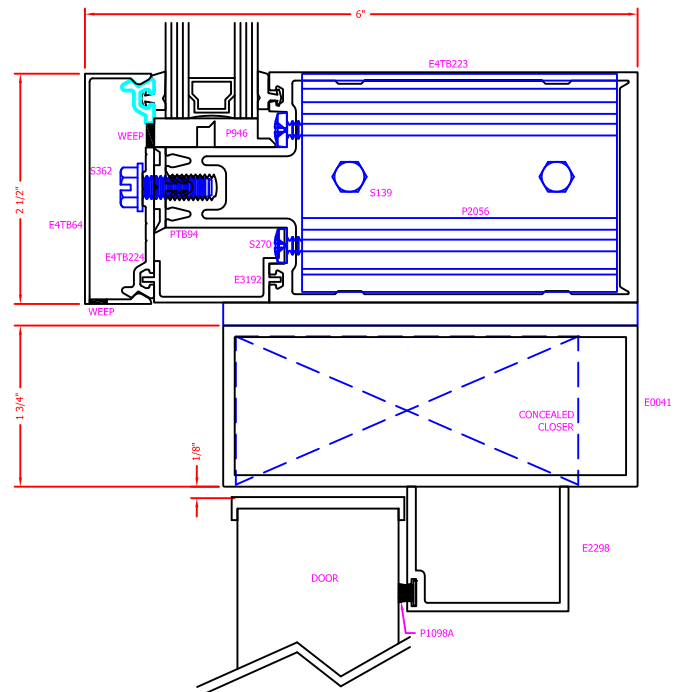


4" x 4" Horizontal

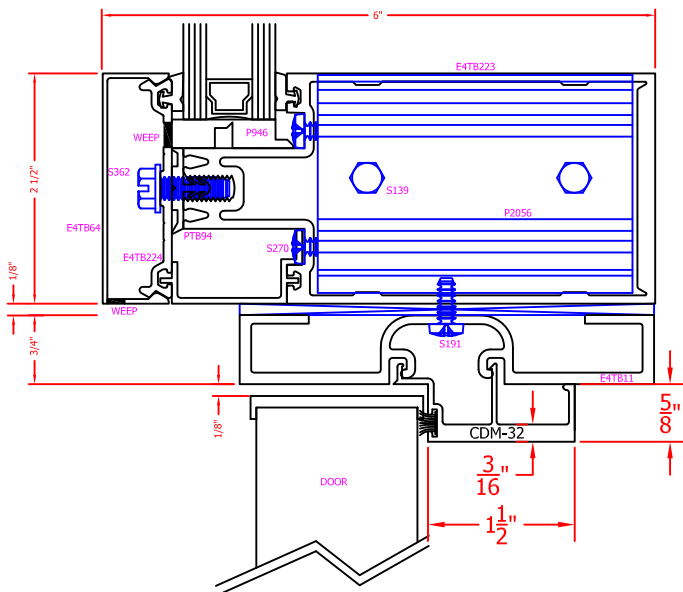


*Note: The above details are only available as drawn (6 inch depth).

Transom - Concealed Closer



Transom - Standard



*Note: All frame depths similar as above just with different snap covers and back members.
Steel Reinforcement can be added to tubular backmembers in areas, where it is needed.

CROSS
Aluminum

Technical drawings of six different L-shaped extrusion profiles, labeled E2579 through E3039. Each drawing shows the profile's dimensions in inches, including overall length, height, and flange width. The profiles are shown in a 3D perspective view, with a blue spring-like feature on the flange. The dimensions are color-coded: red for overall dimensions and purple for specific flange dimensions.

- E2579:** Overall length 7", height 3", flange width 1/8".
- E3066:** Overall length 4 7/8", height 2", flange width 1/8".
- E2580:** Overall length 4 1/2", height 3", flange width 1/8".
- E3069:** Overall length 8 1/2", height 2", flange width 1/8".
- E3071:** Overall length 5 1/8", height 3", flange width 1/8".
- E3070:** Overall length 2", height 3", flange width 1/8".
- E3039:** Overall length 2", height 2 1/2", flange width 1/8".

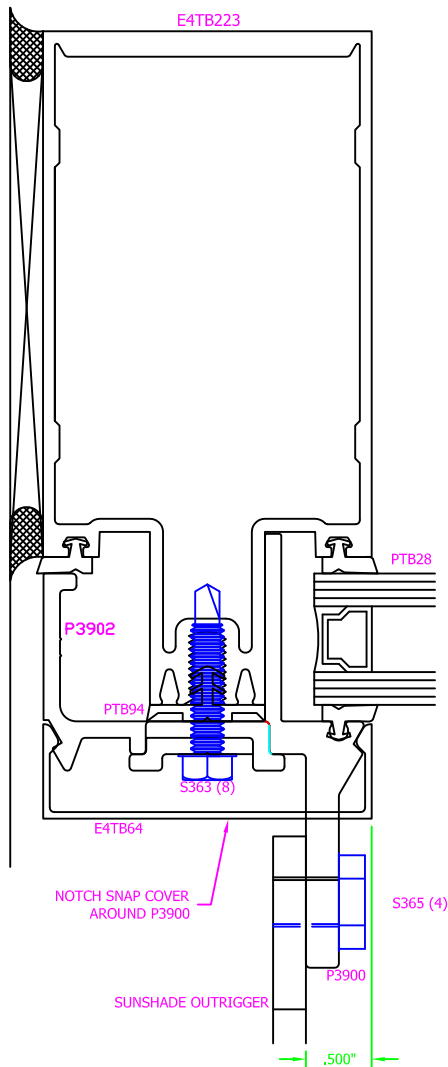
[illegible]

T-2500-SERIES CURTAINWALL

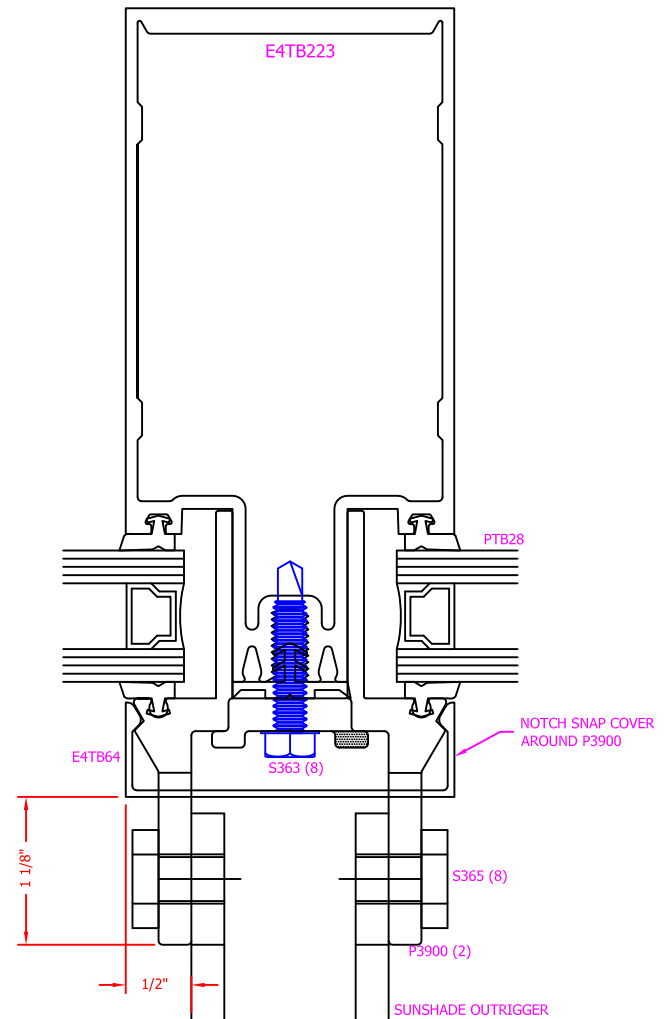
Sunshade Bracket Details



Curtainwall Sunshade Bracket At Jamb



Curtainwall Sunshade Bracket At Intermediate Vertical

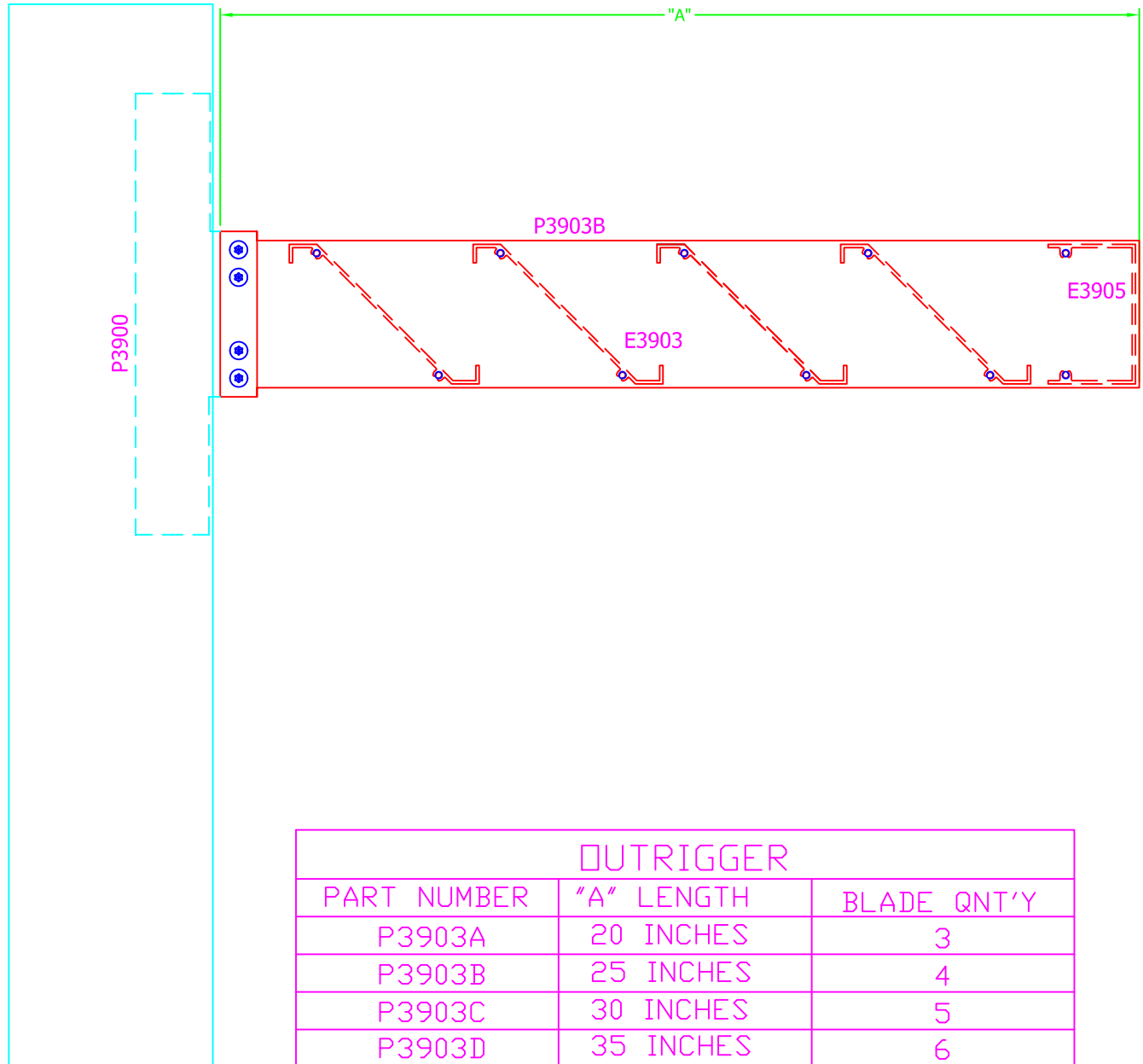


T-2500-SERIES CURTAINWALL

Z Blade / Straight Sunshade Outrigger



Z Blade/Straight Outrigger- 2500 Curtainwall

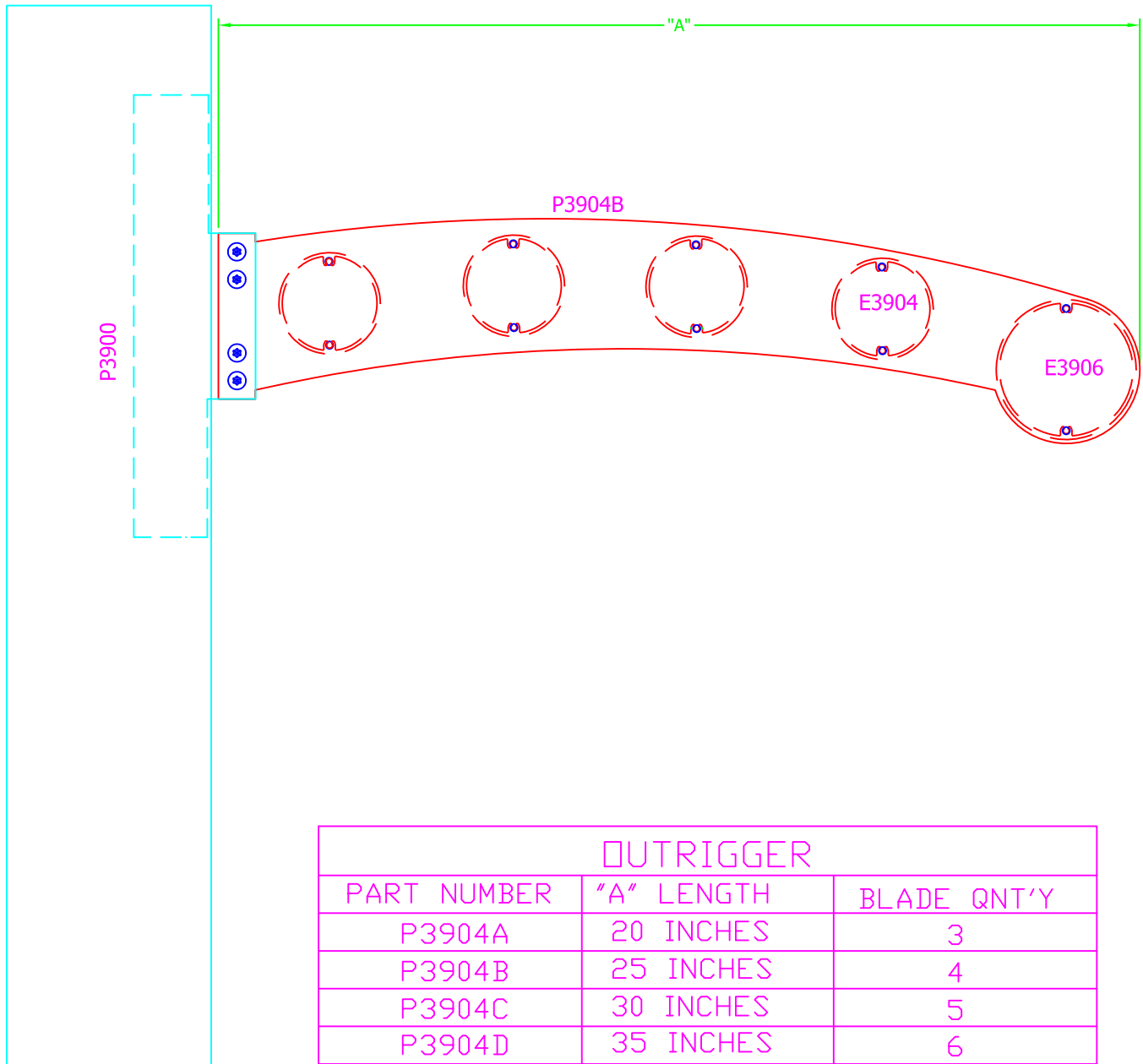


T-2500-SERIES CURTAINWALL

Tubular Blade / Curved Sunshade Outrigger



Tubular Blade/Curved Outrigger - 2500 Curtainwall

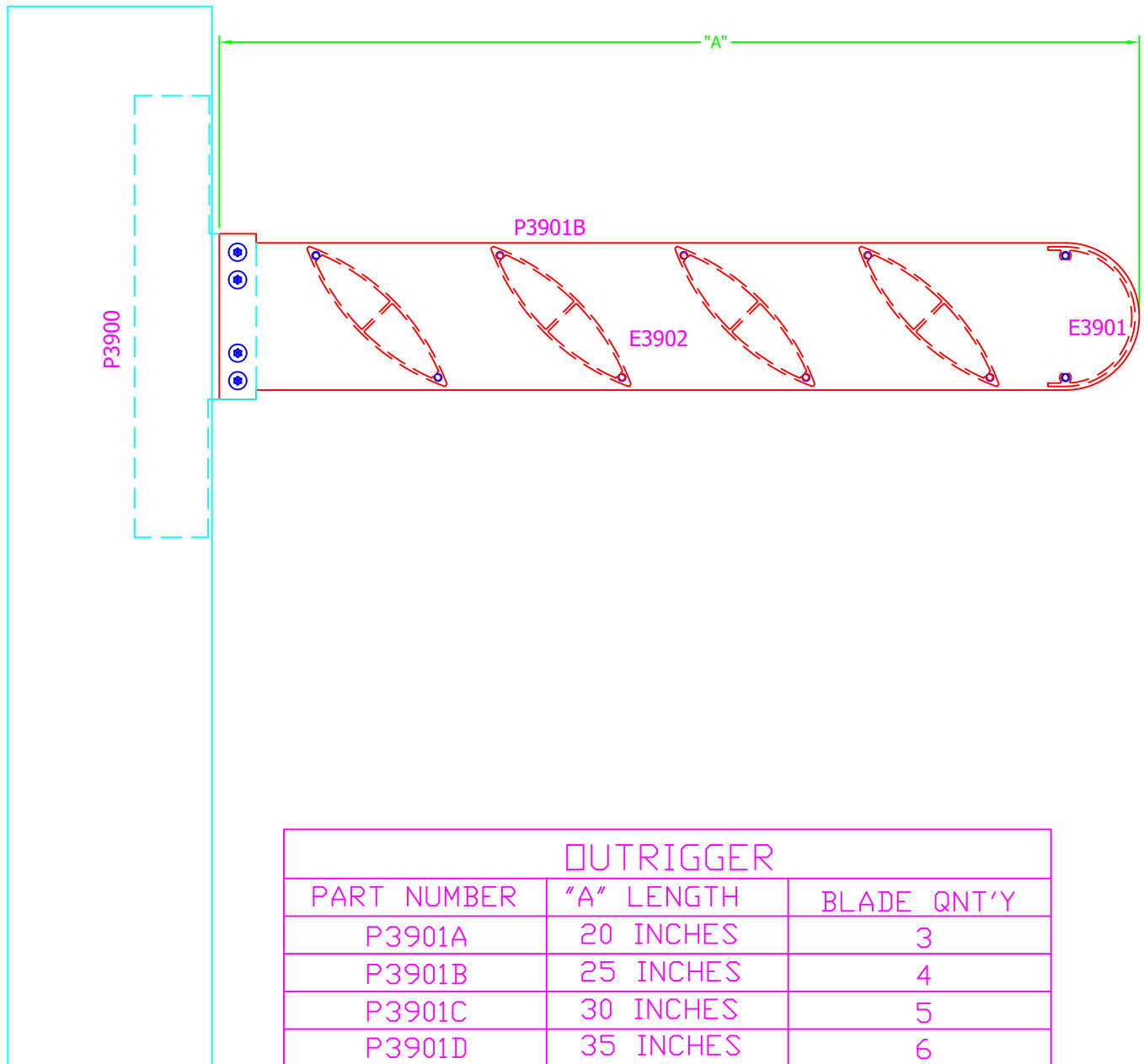


T-2500-SERIES CURTAINWALL

Airfoil Blade / Straight Sunshade Outrigger



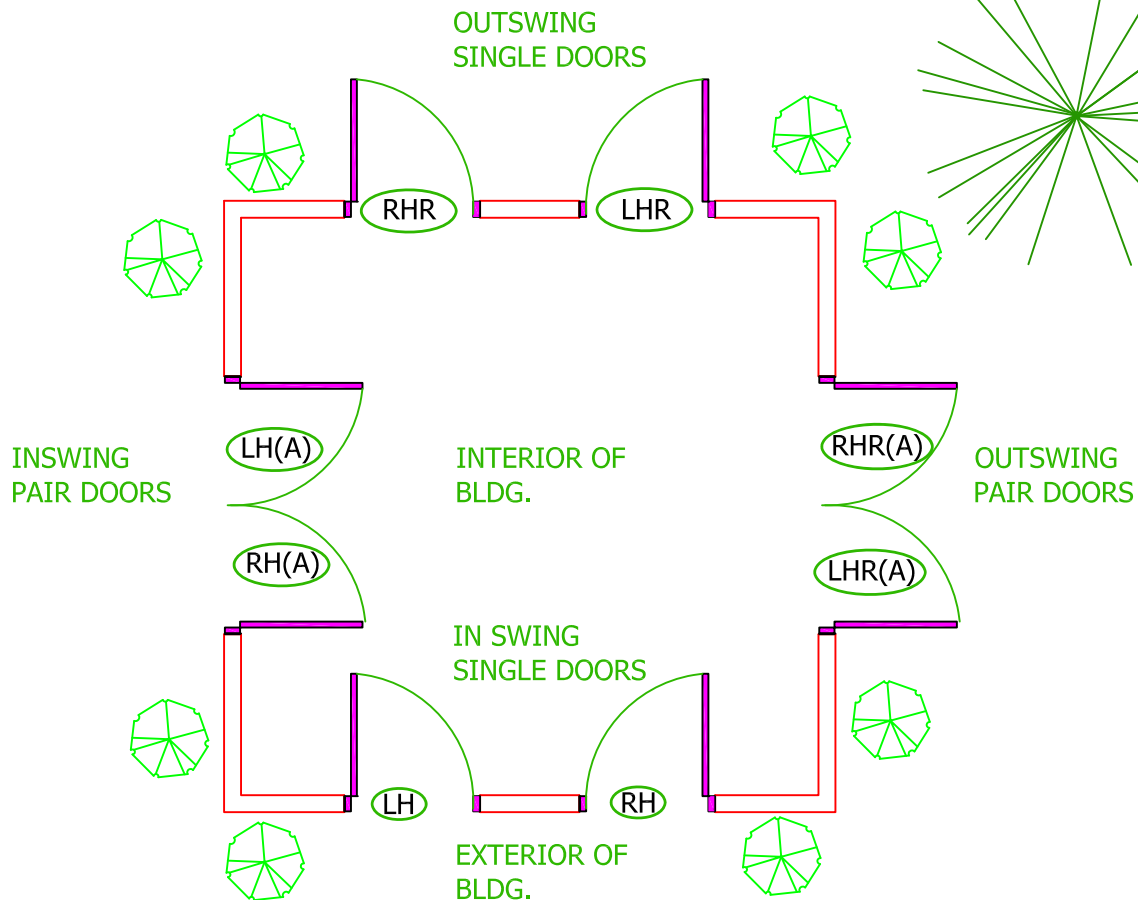
Airfoil Blade/Straight Outrigger - 2500 Curtainwall



OUTRIGGER		
PART NUMBER	"A" LENGTH	BLADE QNT'Y
P3901A	20 INCHES	3
P3901B	25 INCHES	4
P3901C	30 INCHES	5
P3901D	35 INCHES	6

T-2500-SERIES CURTAINWALL

General Helps



FINDING DOOR SWINGS USING A FLOOR PLAN.

NOTE: ON PAIR DOORS, ONE DOOR LEAF IS USUALLY SELECTED AS THE ACTIVE LEAF. THIS IS DONE BY ATTACHING A LETTER A AT THE END OF THE ACTIVE DOORS HANDING.

OTHER IMPORTANT FACTORS FOR ALUMINUM DOOR AND CURTAINWALL SPECS.

- *REMEMBER TO SPECIFY A CURTAINWALL SYSTEM THAT CAN HANDLE PROJECTS NEEDS - EXAMPLES LOW RISE/SLAB TO SLAB/ MEDIUM RISE, ETC.
- *CURTAINWALL CAN HAVE DUAL FINISHES (INTERIOR AND EXTERIOR FINISHES). TO SAVE PROJECT COST, CUSTOM PAINTED FINISH CAN BE ON THE EXTERIOR AND STANDARD ANODIZED FINISH ON INTERIOR.
- *IF NOT NOTED IN SHOP DRAWINGS, IT IS IMPORTANT TO REQUIRE FIELD MEASUREMENTS BEFORE FABRICATION.
- *REQUIRE COLOR SAMPLES FOR CUSTOM COLORS.
- *REQUIRE DOOR MANUFACTURER TO PROVIDE AT LEAST SUBFRAME DOOR FRAMING TO GUARANTEE DOOR HARDWARE PREP LINES UP WITH FRAMING HARDWARE PREP.
- *DOOR AND FRAME MANUFACTURERS NEED FINAL APPROVED HARDWARE SCHEDULE BEFORE FABRICATION.
- *IF POSSIBLE, REQUIRE DOOR AND FRAME MANUFACTURER TO FACTORY INSTALL LOCKING, HINGING, TOP REMOVABLE HARDWARE MULLION, AND CONCEALED HARDWARE.
- *FOR ANY DOOR AND CURTAINWALL OPENING CONCERNS OR QUESTIONS, FEEL FREE TO CONTACT OUR ARCHITECTURAL AND CUSTOMER SUPPORT LINE AT 1-800-806-DOOR.