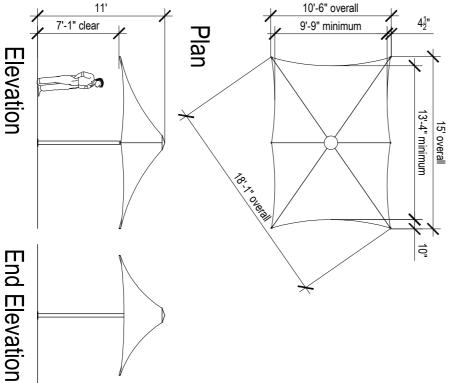
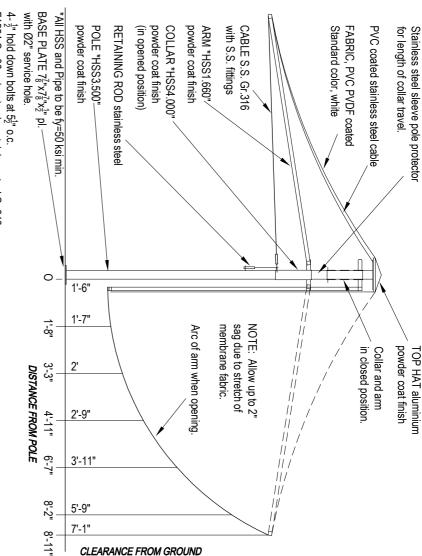
Rated when umbrella is fully erected. Umbrella weight: 188 lb. Designed to 90mph, Exp B **CENTRA RECTANGULAR 15' - CR45**

All dimensions are nominal and have a tolerance on variations in tensioning and fabrication Membrane dimensions differ, depending dimensions for the complete umbrella. Overall dimensions represent clearance

reach gusts of 60mph (100km/h) Refer note on Specification - Umbrella Design. Note: The umbrellas must be closed and tied before wind speeds





F1554 Gr. 36 galvanized or stainless steel Gr.316. With dome nuts and leveling nuts.

OPENED POSITION

CLOSED POSITION

Centra - Model CR45 15' Center Support Rectangular Umbrella

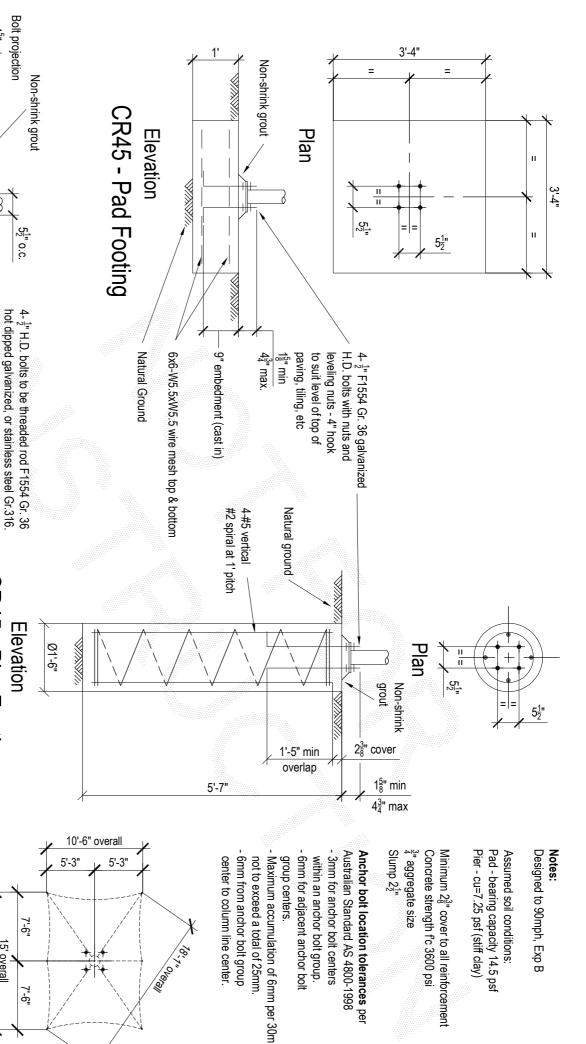
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Birdair Inc.

Engineering Framing

Architectural Umbrellas Centra Model CR45

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Chemical Anchor Detail

and dry at time of installation.

manufacturer's instructions. Hole to be clean and to be installed in accordance with the

'Hilti HVU', or engineer approved equivalent Chemical anchors, at $5\frac{1}{2}$ " x $5\frac{1}{2}$ " centers to be Supplied with nuts, washers and leveling nuts.

CR45 - Pier Footing

H.D. Bolt Layout Plan

7'-6"

7'-6"

15' overal

 $4\frac{1}{2}$ " min.

Embedment

18" min.

 $4\frac{3}{4}$ " max.

Centra Model CR45

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Architectural Umbrellas