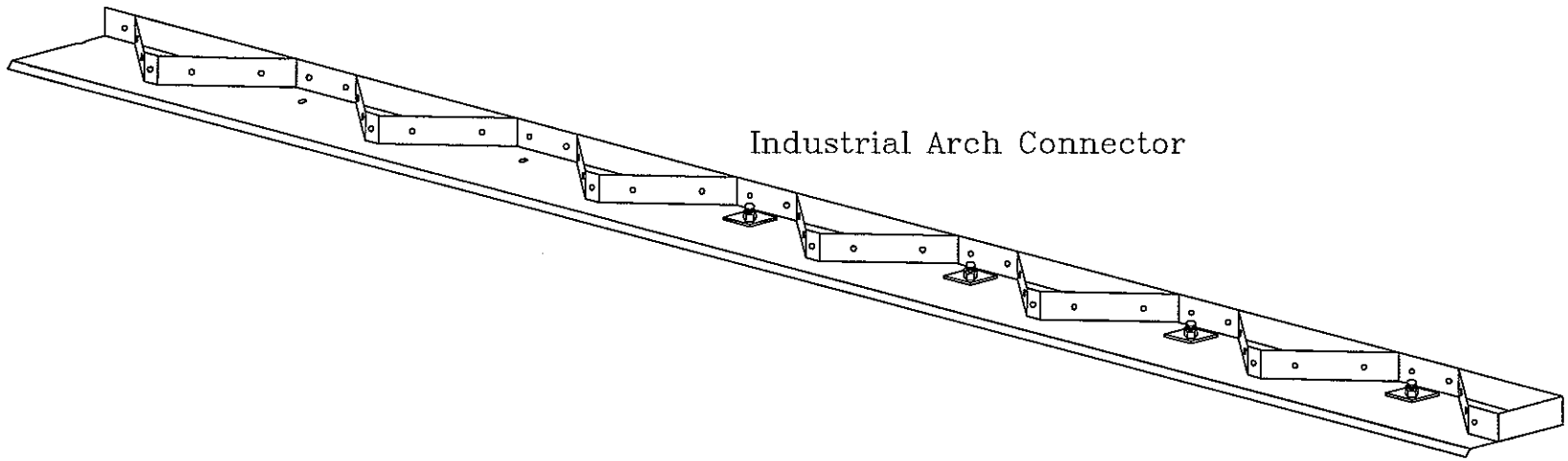
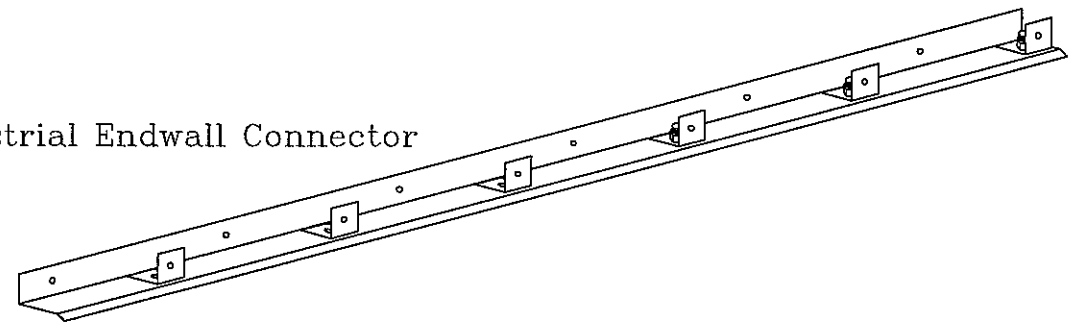
Industrial Connector Instructions

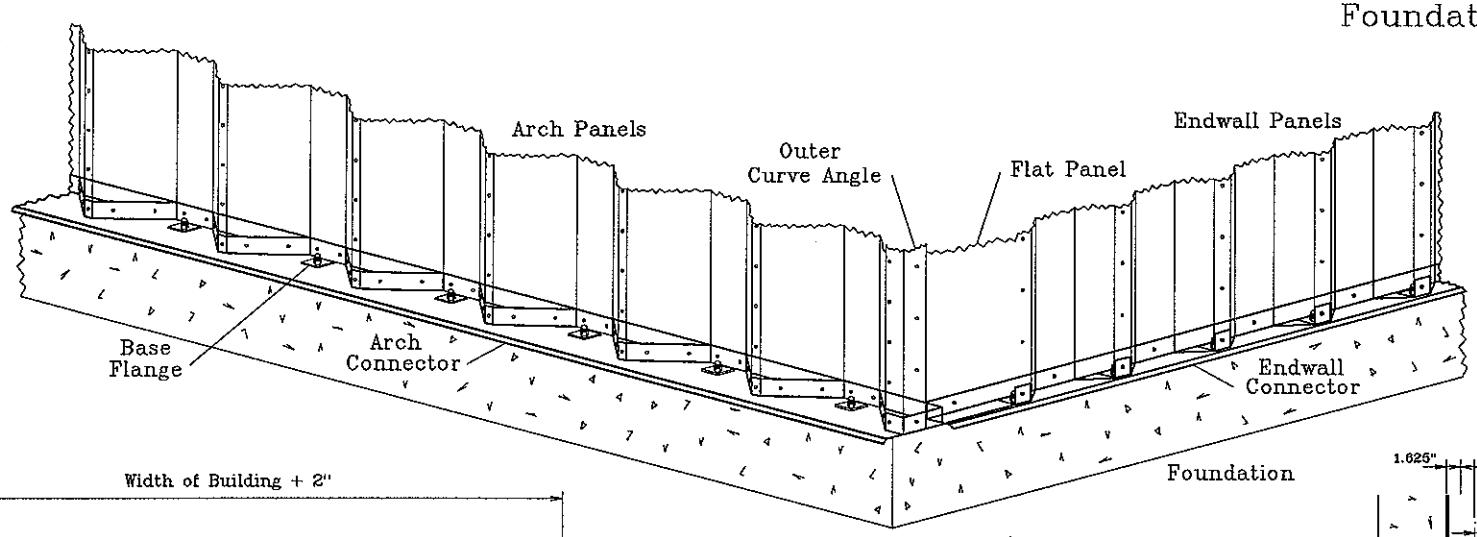


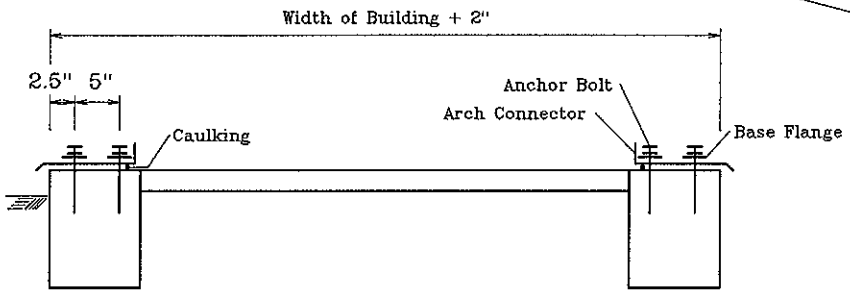
Industrial Arch Connector



Industrial Endwall Connector

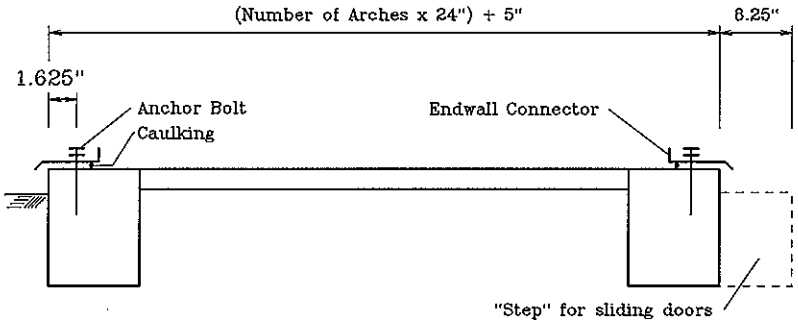
Foundation Details





Foundation End View

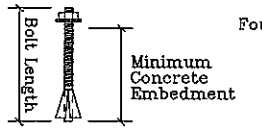
Foundation width = width of building + 2"



Foundation Side View

Foundation length = (# of arches x 24") + 5"
Add 8.25" to length for each sliding door endwall.

Refer to the blueprint or drawing supplied for specific foundation dimensions and anchor bolt layout.



Buildings less than 30' wide:
1/2"Ø x 7" length with 5.5" embedment.

Buildings 30' wide and greater:
5/8"Ø x 8.5" length with 7" embedment.

A307/A36 J-Bolts with 6" minimum embedment and 2" of exposed threads may be substituted for the anchor bolts specified above.

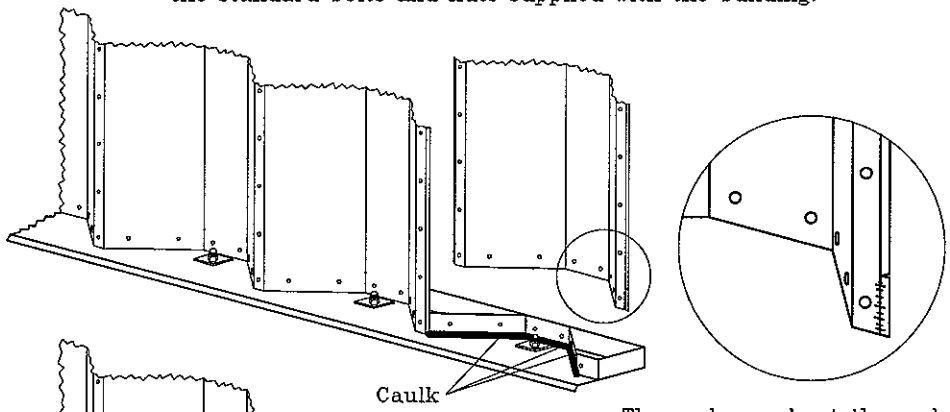
Foundation/Connector Top View

Arch anchor bolt spacing = 12" staggered spacing
Endwall anchor bolt spacing = 18" C.T.C.

Installation of the anchor bolts must be done in accordance with the manufacturer's instructions.

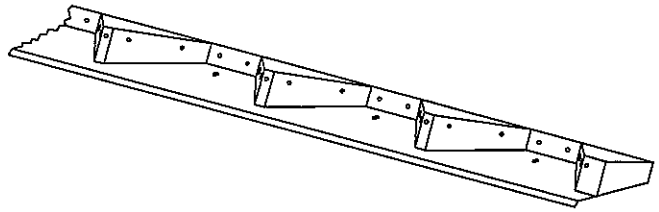
Anchor bolts and caulking are not supplied (available as optional items).

The arch panels fasten to the industrial connector with the standard bolts and nuts supplied with the building.



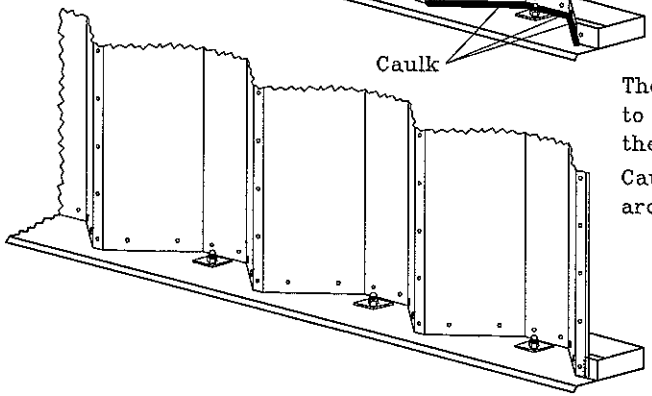
The arch connector for the "X" and some "Q" buildings differs from the connector for "A" and "S" buildings as it is angled to match the pitch of the arch wall panels; however, installation is the same for all building types.

Base flanges are not required, or supplied for the industrial connector on "X" and "Q" model buildings.

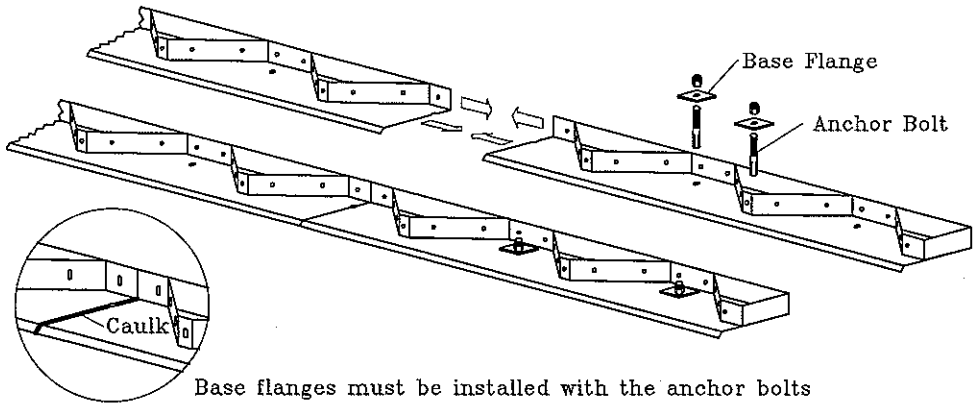


The arch panels at the ends of the building must be modified to fit the "boxed" ends of the connector. Flatten the edge of the arch panel 2.5" – 3" up from the bottom end of the panel.

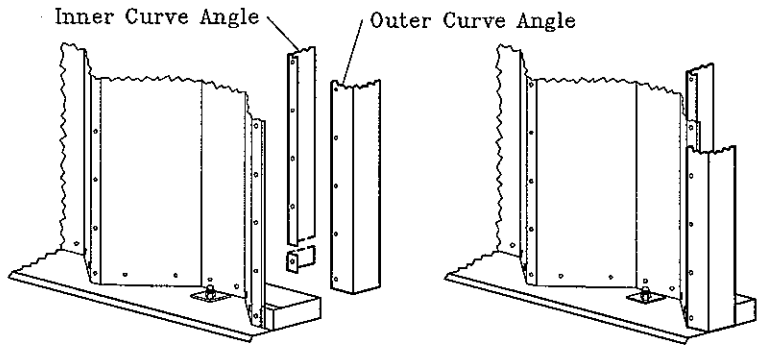
Caulking is recommended between the arch wall panels and the arch connector. Apply the caulking before raising each arch.



Two pieces of arch connector butt together to form one complete anchor bolt hole. Caulking is recommended where the ends of the connector pieces butt together.



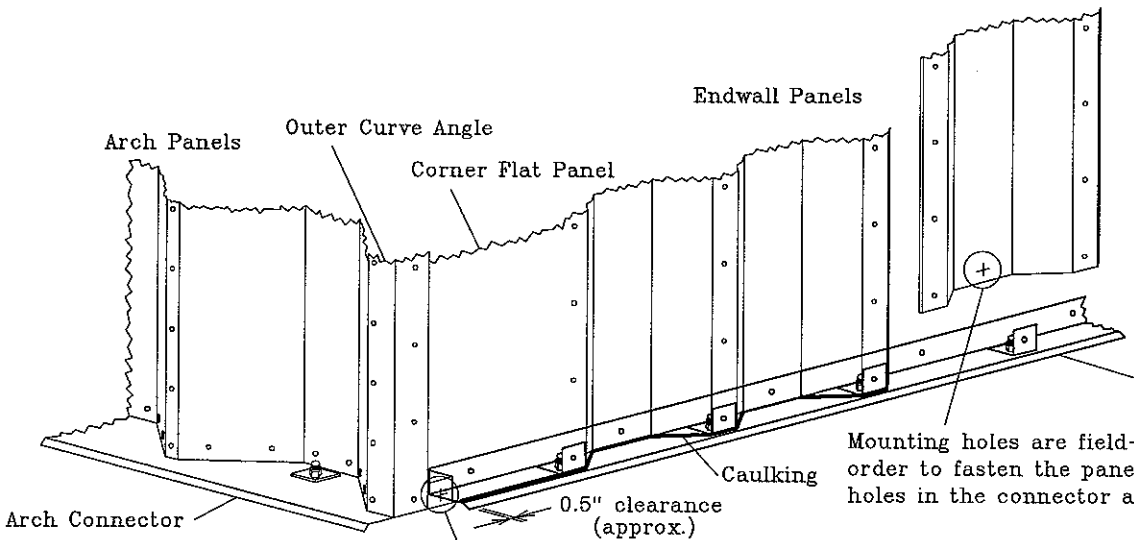
Base flanges must be installed with the anchor bolts on "A" and "S" model buildings.



Inner curve angles must be shortened approximately 2.5" – 3" to fit over the boxed end of the arch connector. The outer curve angle covers the modified edge of the arch panel.

Refer to the blueprint or drawing supplied for the connector and anchor bolt layout.

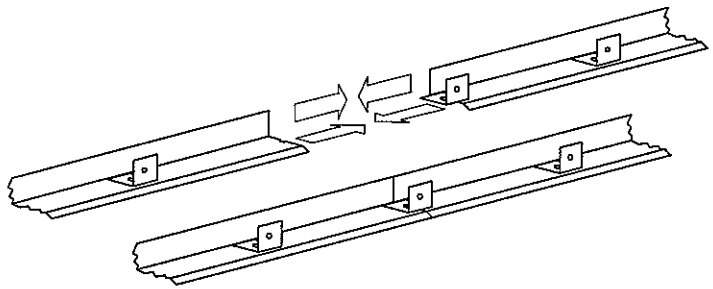
Endwall Connector



* Base flanges are not required for the endwall connector.

Mounting holes are field–drilled in the "valley" of the endwall panels in order to fasten the panels to the endwall connector. Use the existing holes in the connector as a guide to locate the holes in the panels.

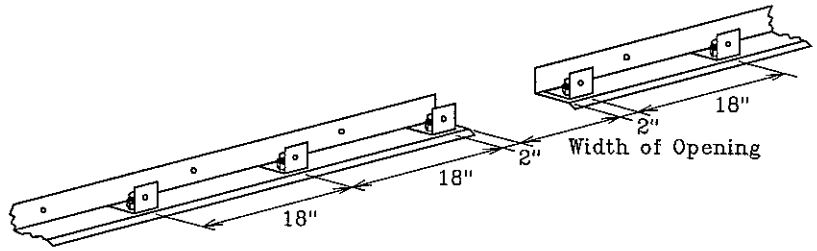
Mounting holes are field–drilled through the flat panels and the "boxed" end of the arch connector to fasten these components together (use the standard bolts and nuts).



Multiple pieces of endwall connector butt together at an anchor bolt. Caulking is recommended where the ends of the connector pieces butt together.

For solid endwalls set the base–connector starting at the center of the building, and work out to the walls. For an endwall with an opening, establish the location of the opening and set the base connector from there, out to the walls of the building. There is approximately a half–inch of clearance between the ends of the endwall connector and the inside face of the arch connector.

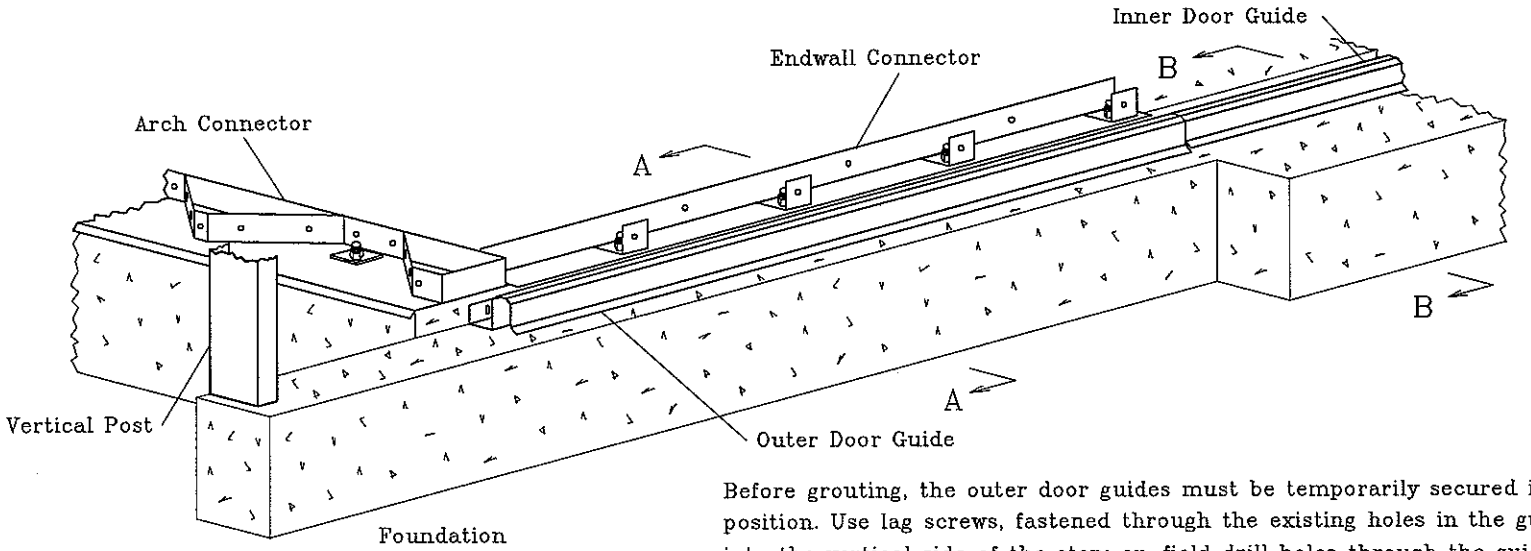
Caulking is recommended along the joint between the endwall panels the endwall connector. Apply caulking after the endwall panels are bolted into position.



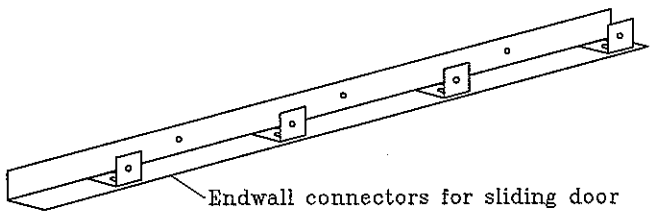
On endwalls with an opening(s) the distance between the connector pieces is equal to the actual opening width. The anchor bolts set 2" to each side of the opening and every 18" C.T.C. thereafter.

The endwall panels fasten to the industrial connector with the standard bolts and nuts supplied with the building.

Refer to the blueprint or drawing supplied for the industrial connector and anchor bolt layouts.

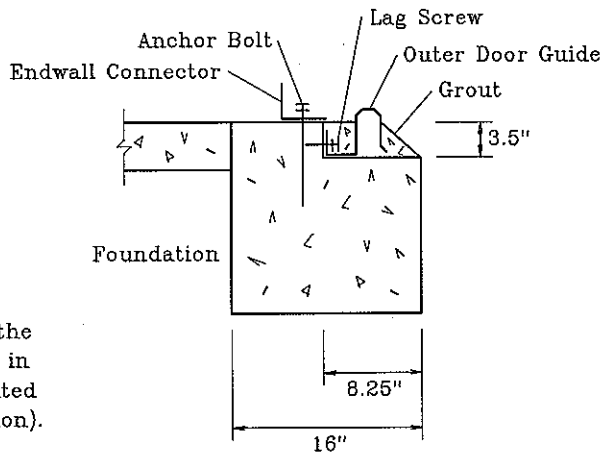


Before grouting, the outer door guides must be temporarily secured into position. Use lag screws, fastened through the existing holes in the guides into the vertical side of the step; or, field drill holes through the guides and fasten with lag screws on to the horizontal side of the step.

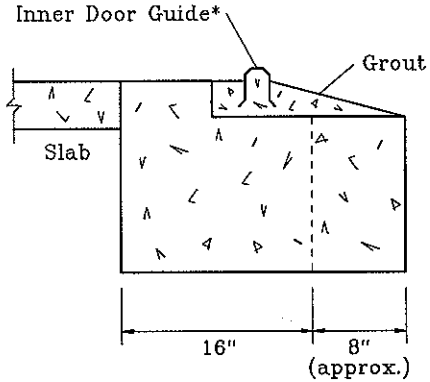


Endwall connectors for sliding door endwalls do not have a drip edge.

SEC A–A



SEC B–B



The foundation illustrated in Section B–B has the "step" for the door guides extended 8" across the span of the door opening in the endwall. This will allow a more gradual incline to be grouted into the opening (this is not a requirement – only a suggestion).

*Inner door guides should be filled with cement grout before installation between the outer guides (to allow vehicles or equipment to pass over the guide without damaging it).

Refer to the blueprint or drawing supplied for specific foundation dimensions.