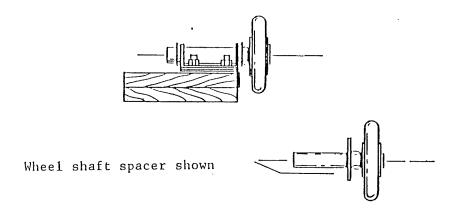


TIP: Holes for the wheel fixture will align easier if you put the splice bolt in first.



Shafts should be lubricated annually with any good grade lubricant.

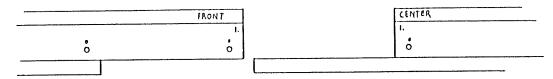


Use only if you feel its necessary

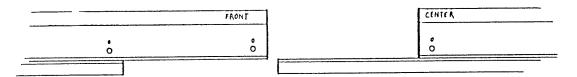
STEP # 2 cont.

INSTALLATION OF DOME SUPPORT TRACK

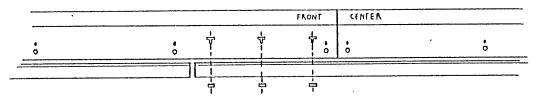
OUTSIDE VIEW showing the joint at No.1, No.1. Place one end of the dome track segment on a dome roller and roll the segment onto the wall plate assembly. the track must be assembled on the wall plate and rollers.



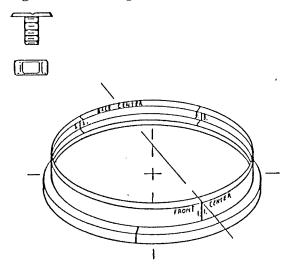
INSIDE VIEW - This shows the overlap of the joint.



3 low profile truss head bolts and nuts are used at each splice in the track.

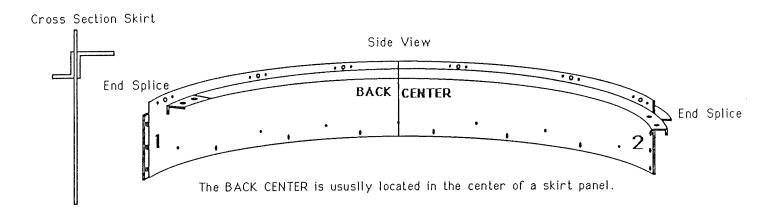


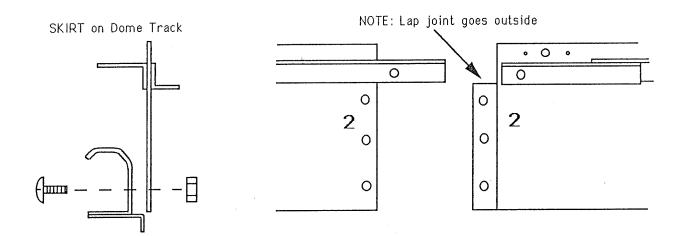
The bolts go down through the track, nuts on the bottom, this allows clearance.



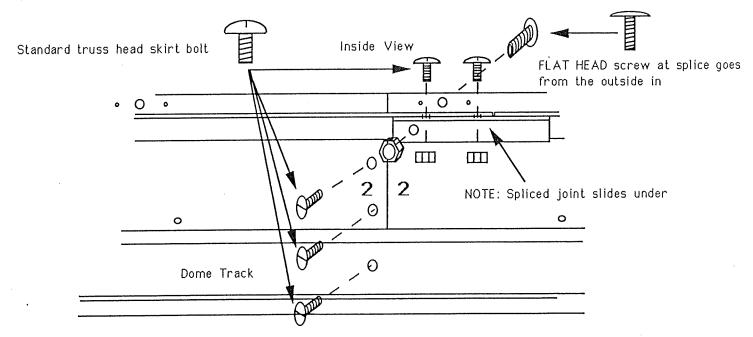
TIP: Assemble all the dome track segments with the nuts and bolts finger tight. When the last piece is installed, tighten all the joints.

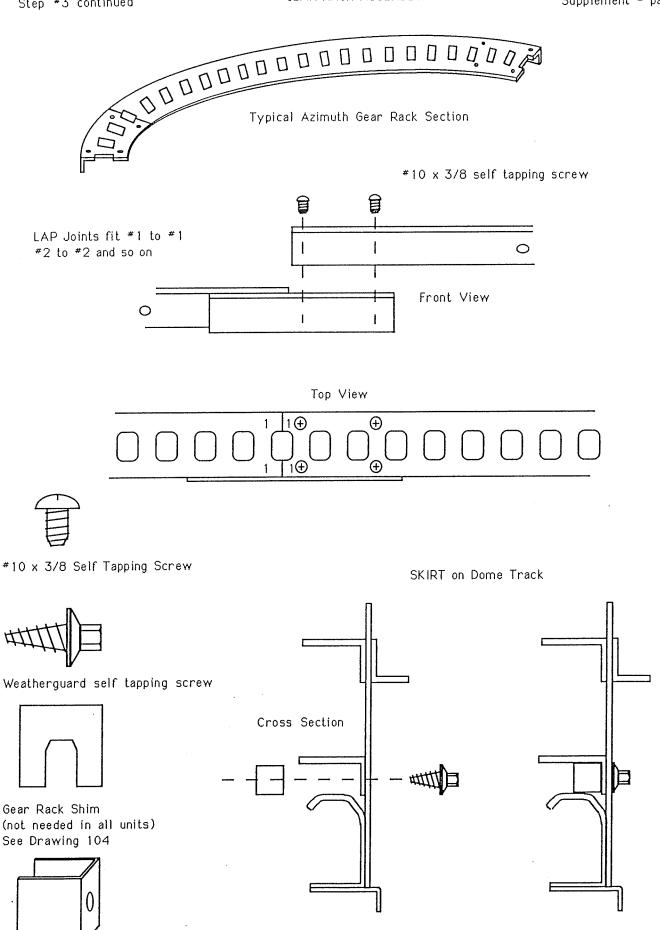
FRONT & BACK CENTERS will be your reference points during the assembly of the rest of the observatory dome. The Front & Back Centers are equal distant from each other around the circumference of the dome track.



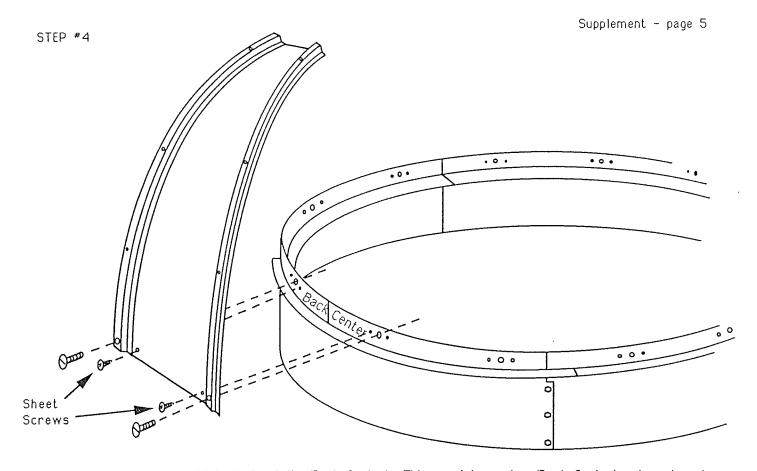


Bolts go from the inside of the dome track out. Nuts go on the outside, this keeps the rollers unobstructed.

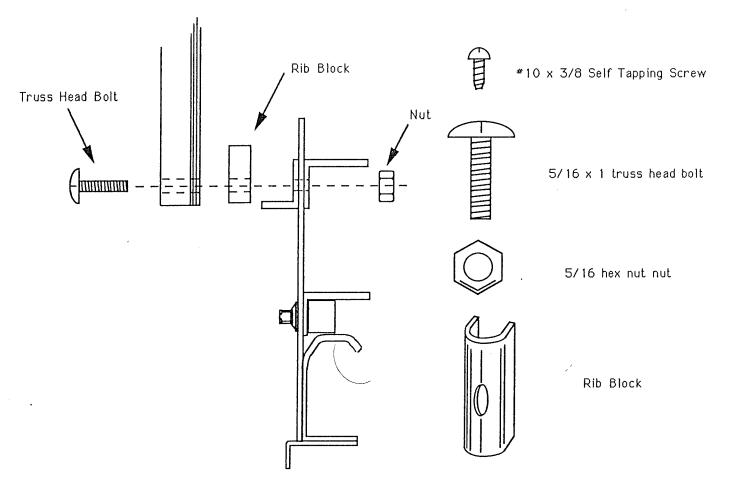


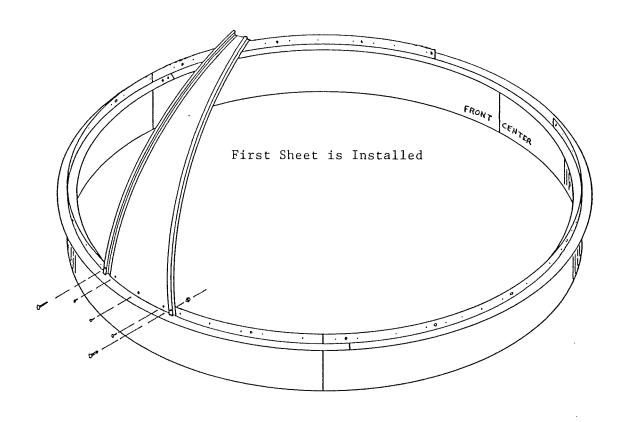


Chair (this is screwed into to secure the azimuth gear rack to the skirt)

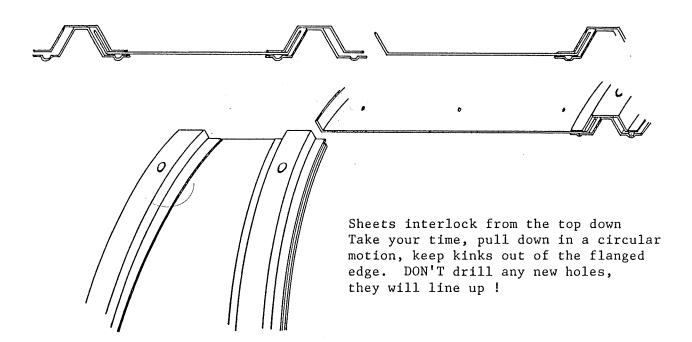


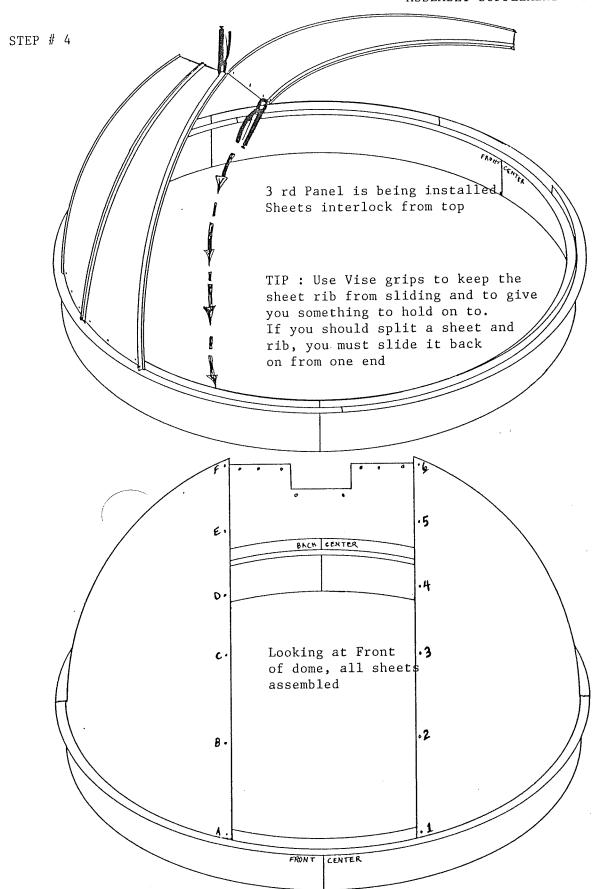
The 1st panel on the dome skirt starts at the 'Back Center'. This panel is marker 'Back Center' and numbered.



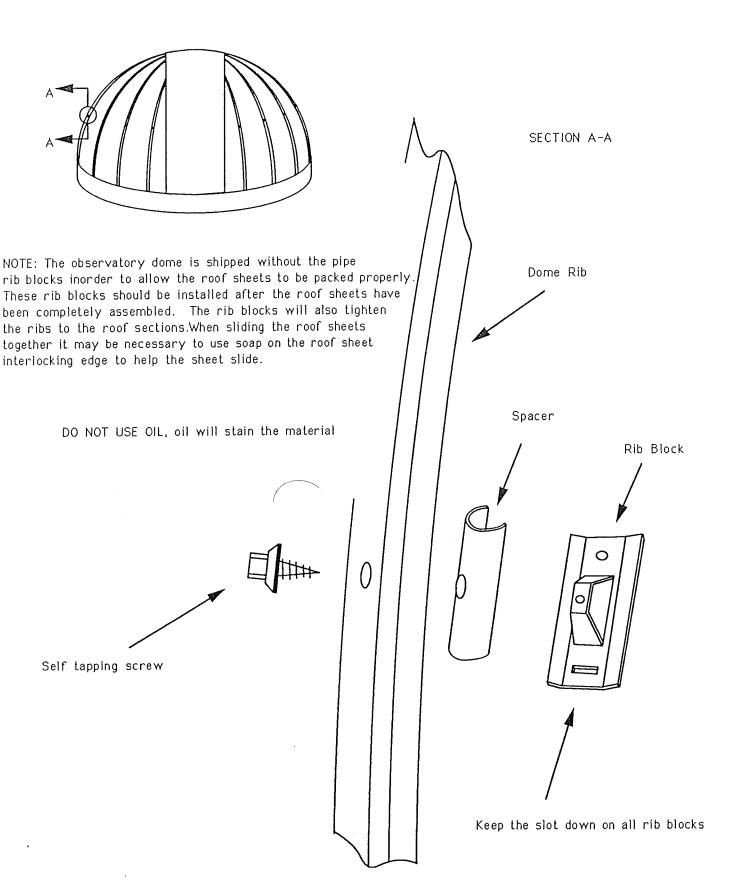


This shows the interlocking system and how the joint looks from the end view

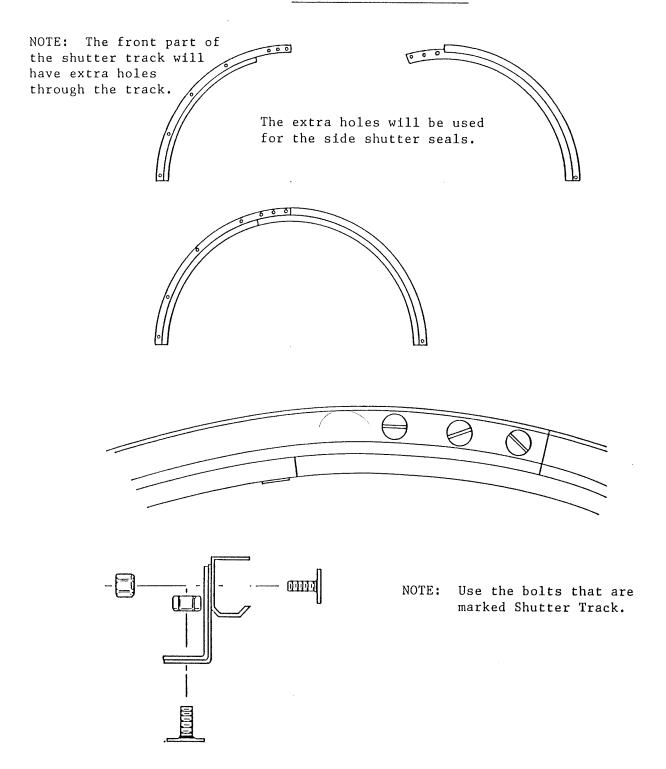




RIB BLOCK INSTALLATION



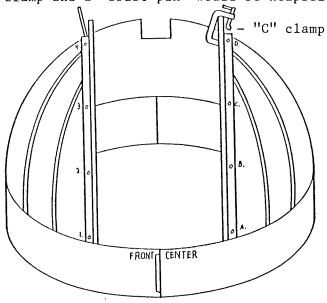
SHUTTER TRACK ASSEMBLY



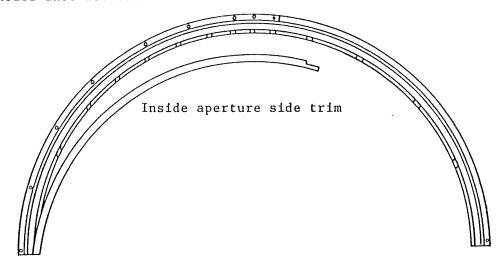
STEP #5 - Cont.

INSTALLATION OF SHUTTER TRACKS

NOTE - A large "C" clamp and a "drift pin" would be helpful tools.

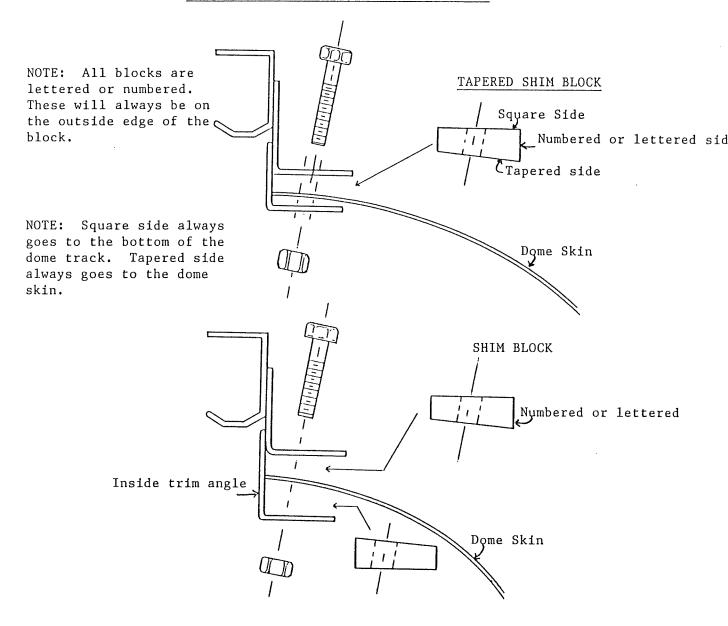


NOTE - Secure the back of the track assembly and then come back around to the front. Work your way up from the bottom. This will pull the following holes into location.



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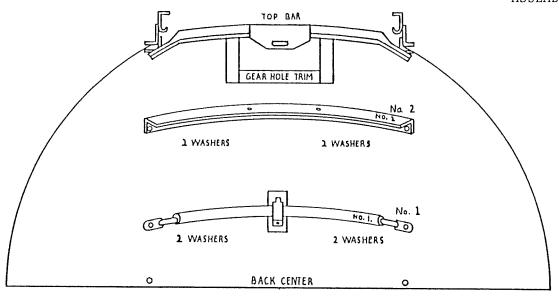
INSTALLATION OF SHUTTER TRACK ASSEMBLY



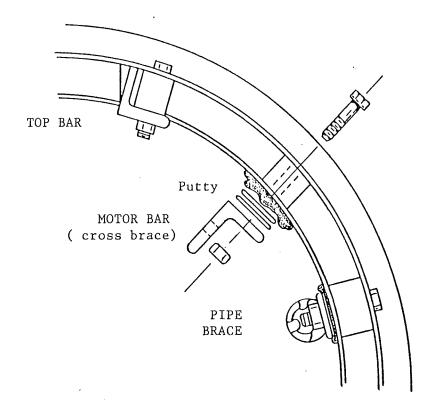
NOTE: If you have a double shim, the number or letter is always on the outside. Bolts will always angle slightly toward the center of the dome.

STEP # 5 cont.

ASSEMBLY SUPPLEMENT - 11



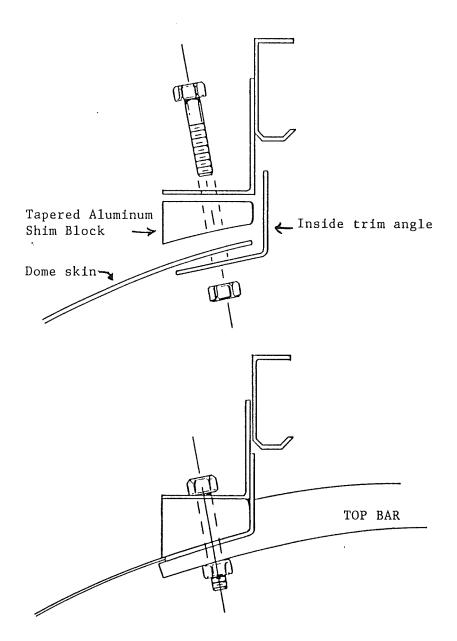
NOTE: Braces or spreader angles will always lay across pipe clips

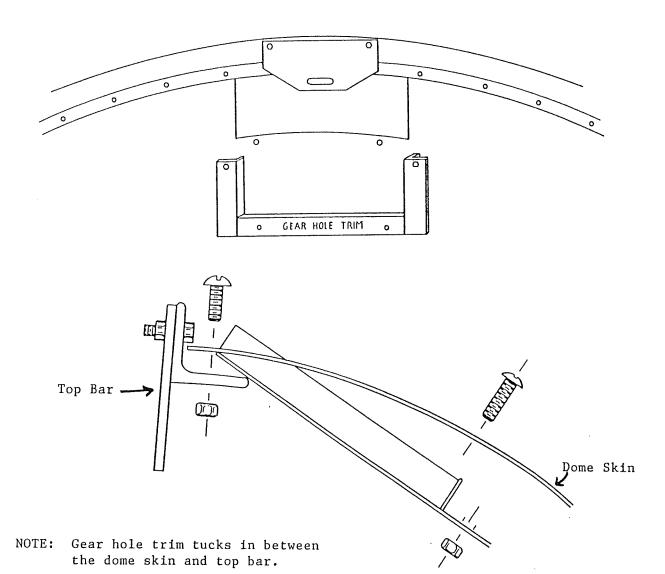


NOTE: The number of spacer washers will vary, this is noted on the inside of the roof sheet panel. Always put the putty around the bolt and then push the washers into the putty to seal the bolt hole.

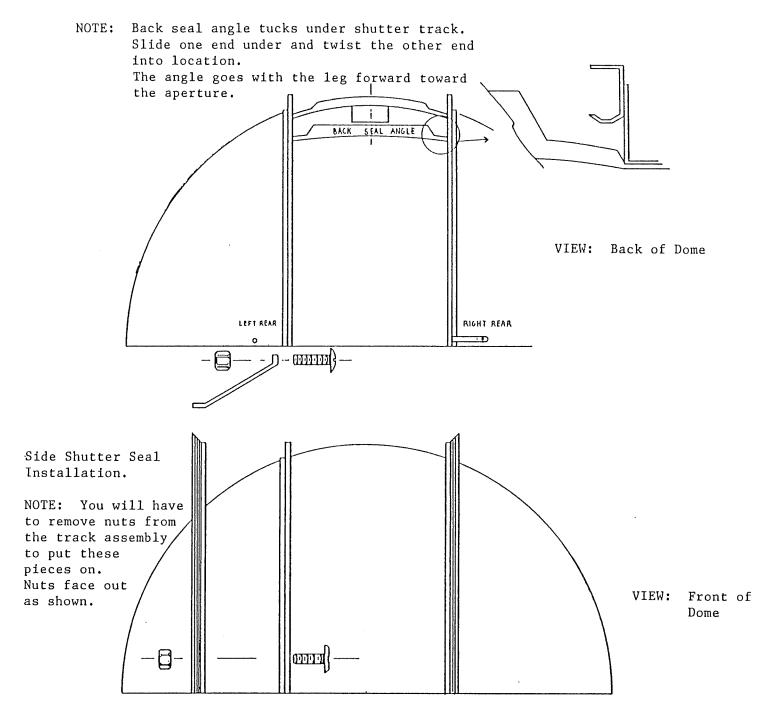
(x,y) = (x,y) + (x,y

INSTALLATION OF SHUTTER TRACK ASSEMBLY



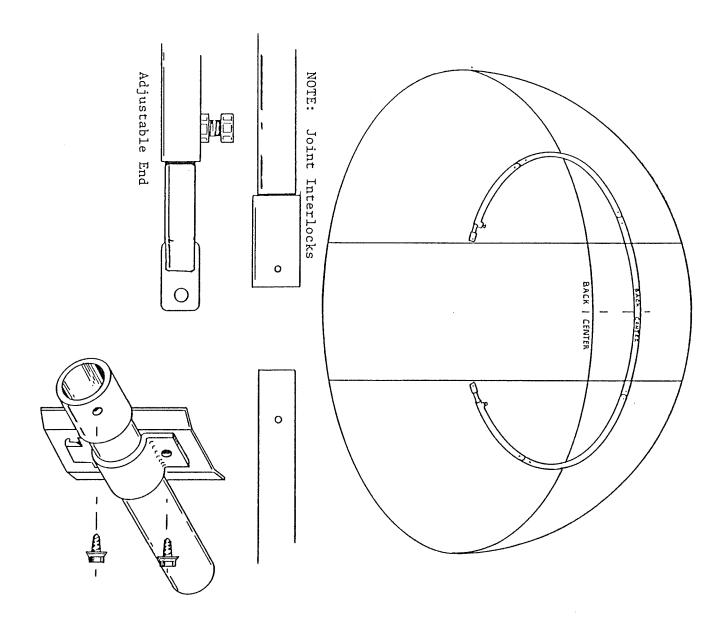


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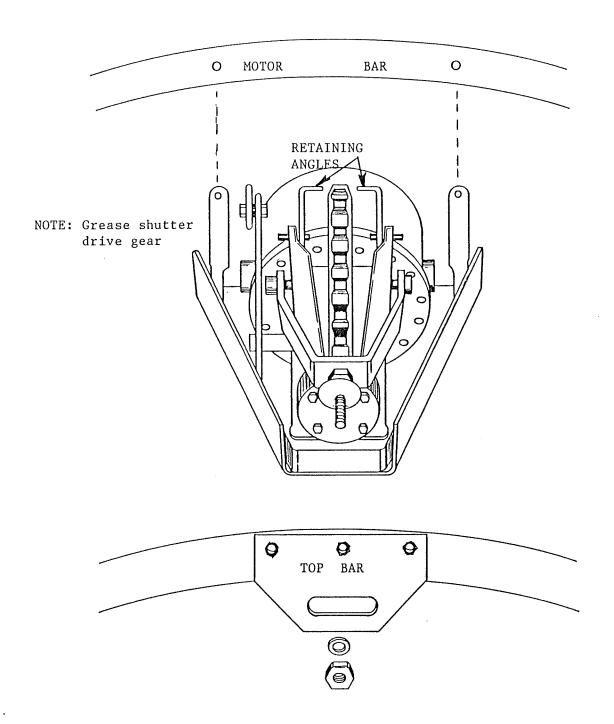
Caulk up the front on both side by aluminum blocks and across the back under the back seal angle.

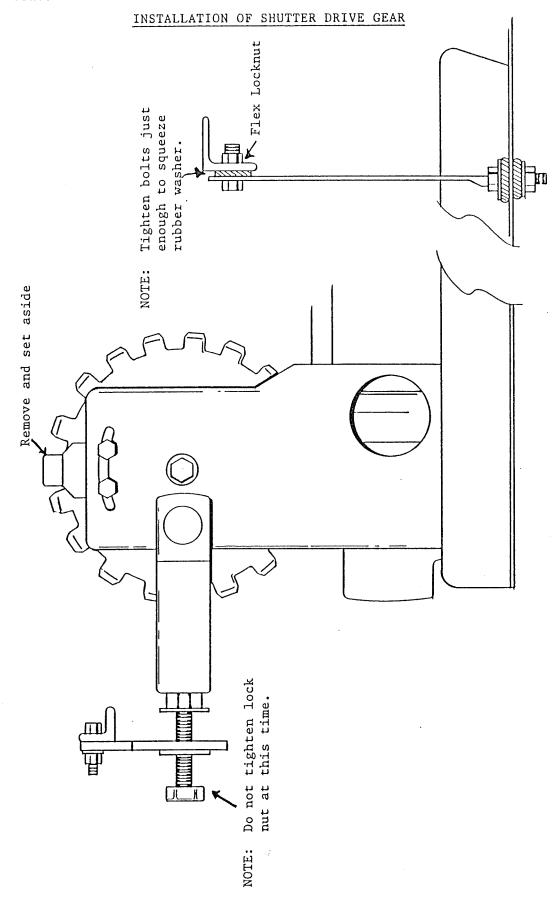
INSTALLATION OF REINFORCING RING



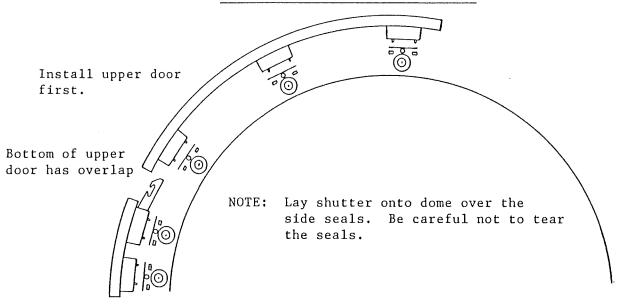
يتأضف فينات بالمادية

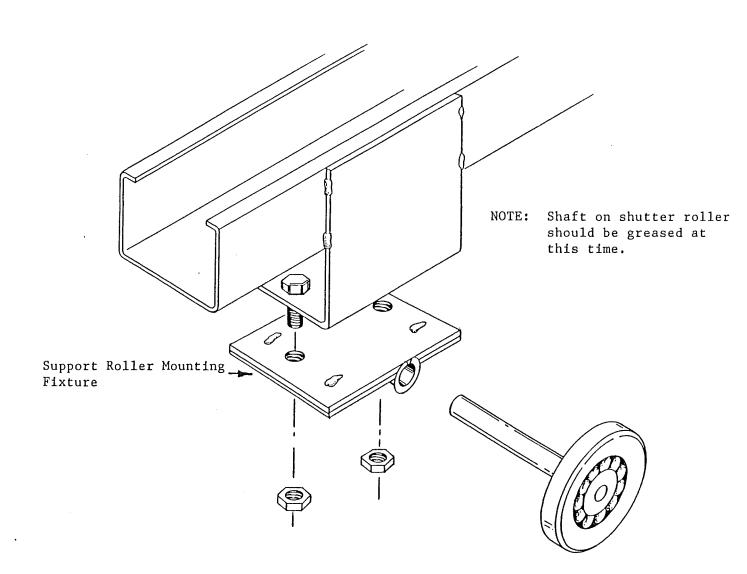
INSTALLATION OF SHUTTER DRIVE UNIT



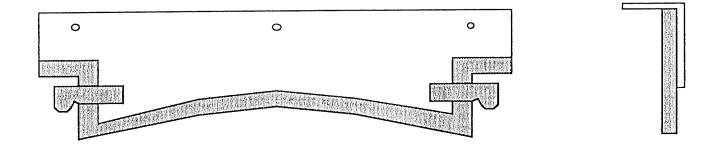


INSTALLATION OF SHUTTER SECTIONS



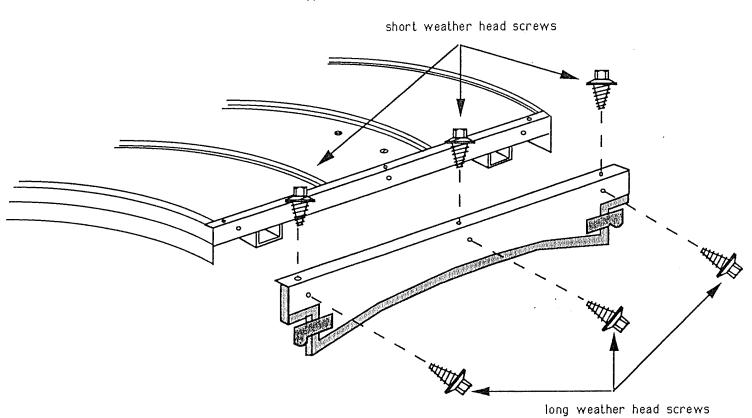


Installation of Back Shutter Seal



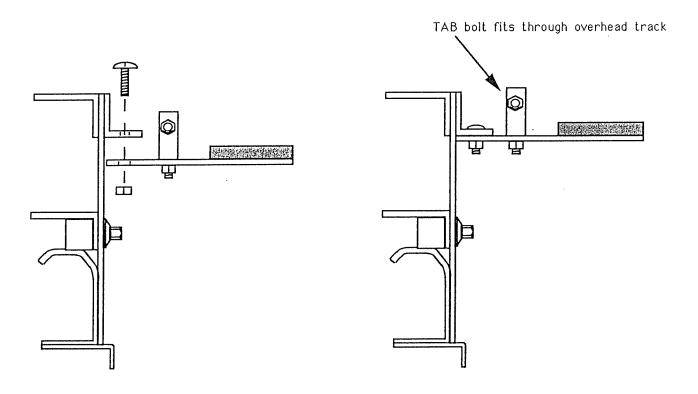
Tip : Run the upper door open and install Back Shutter Seal from back of dome

Back of Upper Door Section

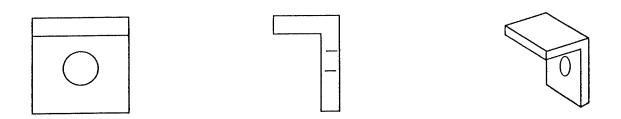


Front Shutter Seal

FRONT SHUTTER SEAL slides under front of skirt

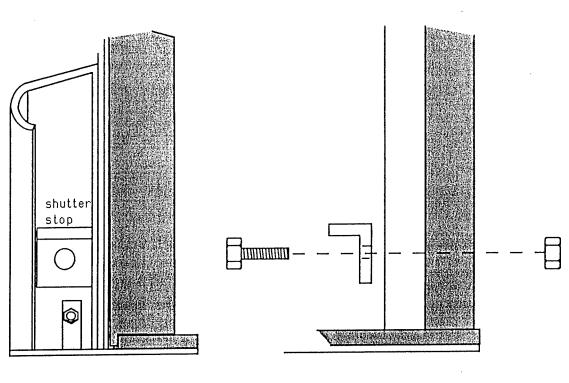


SHU TTER STOPS



Shutter Stop fits inside of shutter track and serves as a mechanical stop incase the limit switch should fail.

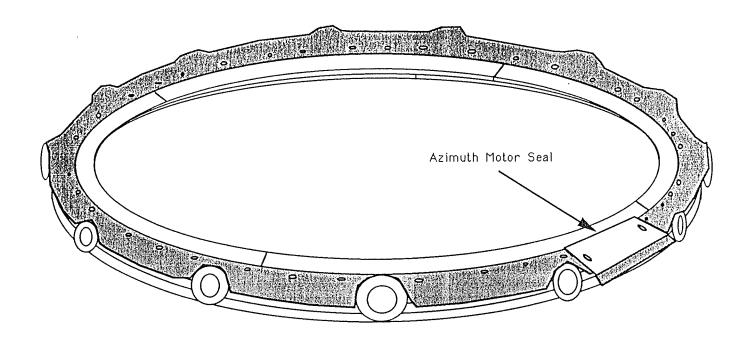
Inside of Overhead Shutter Track



Side View

Front View

Azimuth Weather Seal



Start Weather Seal at Azimuth Motor Mount before installing motor drive.

