



FOUR SYMMETRIC ACRYLIC SHEETS

BEAM TUBE

GLASS BAR MODULES

THE ACRYLIC SHEETS ARE HELD APPROXIMATELY .75" AWAY FROM THE FACE OF THE GLASS BAR MODULES. THIS IS ACCOMPLISHED BY USING .750" THICK WASHERS UNDER THE MOUNTING BOLTS. THE FACE OF THE GLASS BAR MODULES SIT FLUSH WITH THE EDGES OF THE BARS THAT SUPPORT THEM IN THE STRUCTURE.

REAR VIEW

THE ACRYLIC SHEETS ARE MOUNTED ON FACE OF GLASS HOLDING STRUCTURE BY A NUMBER OF BOLTS AROUND THE PERIPHERY OF EACH SHEET. ON EACH SHEET THERE ARE ALSO TWO BOLTS THAT CONNECT TO THE BEAM TUBE.

FRONT VIEW

HOW THE ACRYLIC SHEETS WILL BE MOUNTED:

THE SHEETS WILL BE MACHINED INDIVIDUALLY FROM .625" THICK ACRYLIC. ONCE THEY ARE READY FOR MOUNTING, THE SHEETS WILL BE CLAMPED TO THE FACE OF THE STRUCTURE. THE HOLE LOCATIONS WILL BE MARKED ON THE STRUCTURE USING THE SHEETS FOR A PATTERN, AFTER WHICH THE SHEETS WILL BE REMOVED. THE HOLE LOCATIONS ON THE STRUCTURE WILL THEN BE DRILLED AND TAPPED FOR THE APPROPRIATE SIZED HARDWARE. WHEN THE HOLES ARE FINISHED THE SHEETS WILL BE PERMANENTLY MOUNTED ON THE STRUCTURE, WITH THE STANDOFF WASHERS BETWEEN THE STRUCTURE AND THE SHEETS TO MAINTAIN THE PROPER GAP BETWEEN THE SHEETS AND MODULES.

DRAWN J. M. FRYE	2/24/2011	INDIANA UNIVERSITY DEPARTMENT OF PHYSICS		
CHECKED		TITLE		
QA		GHSA WITH ACRYLIC SHEETS		
MFG		SIZE C	DWG NO	REV
APPROVED		SCALE	GLASS HOLDING STRUCTURE ASSEMBLY	
			SHEET 1 OF 1	