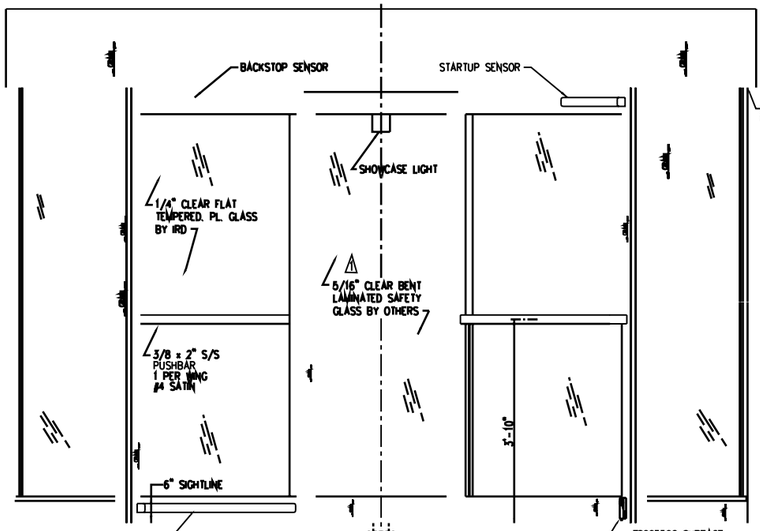
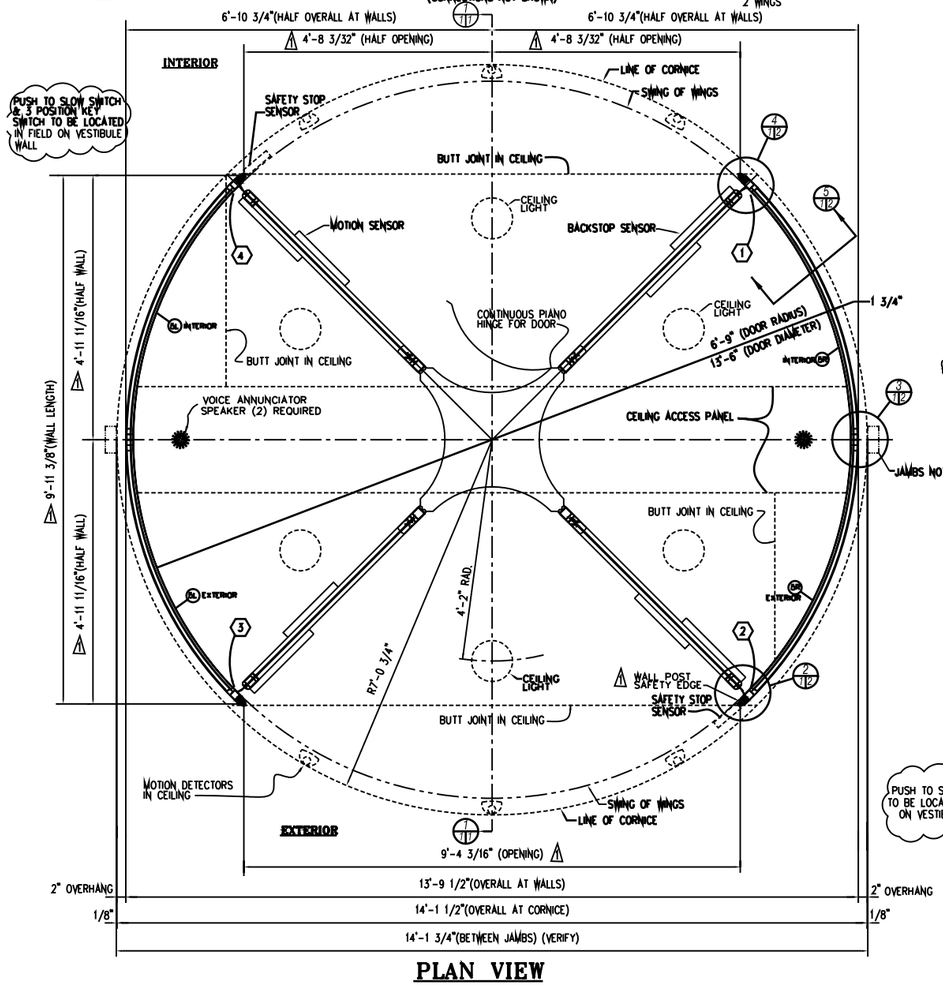
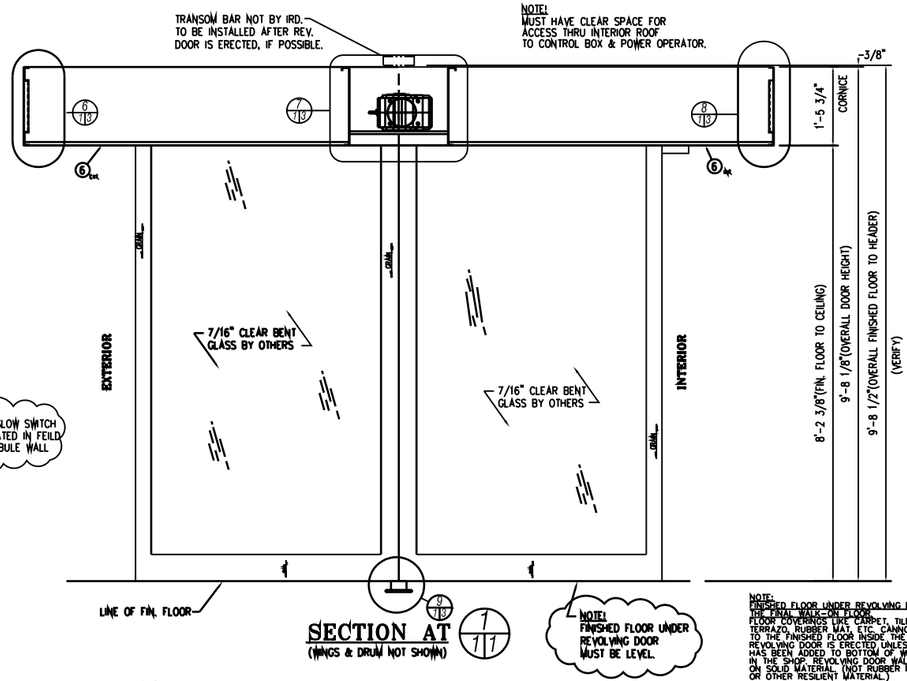


EXTERIOR ELEVATION

(CONNECTIONS NOT SHOWN)

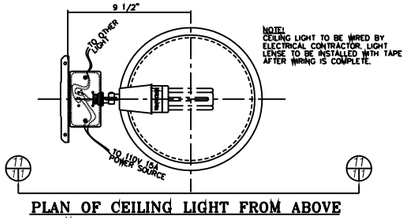


PLAN VIEW



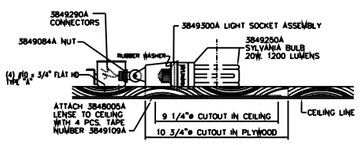
SECTION AT

(WINGS & DRUM NOT SHOWN)

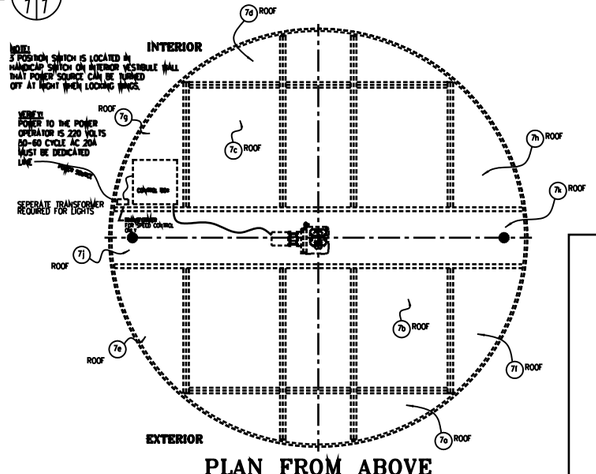


PLAN OF CEILING LIGHT FROM ABOVE

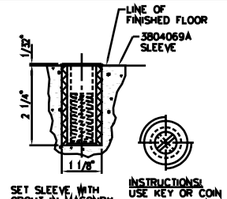
(ROOF REMOVED)



SECTION AT



PLAN FROM ABOVE



ER #3804122G

DRUM GLASS BY: INT'L: ☐ OTHERS: ☒

CYLINDERS TO BE STANDARD 1 5/32" DIAMETER, 1" LENGTH (6-PIN) WITH STANDARD CAMS. SIMILAR TO ALCO UNICAN #PB-7165-YA-1-KA2. LONGER CYLINDERS WILL REQUIRE SPACING COLLARS.

NOTE:
INTERNATIONAL REVOLVING DOOR DOES NOT RECOMMEND THE FOLLOWING TYPES OF FLOORS: SLICK, GLASSY FLOORS CAUSING PEDESTRIAN TO SLIP AND POSSIBLY FALL WHILE PUSHING WINGS. RUBBER MATS CAUSING THE PEDESTRIAN TO EXERT MORE PRESSURE TO PUSH WINGS AND FULL FLOOR GRILLS CAUSING AIR INFILTRATION.

NOTE:
FINISHED FLOOR UNDER REVOLVING DOOR IS THE FINAL WALK-ON FLOOR. FLOOR COVERINGS LIKE CARPET, TILE, LINOLEUM, TERRAZO, RUBBER MAT, ETC. CANNOT BE ADDED TO THE FINISHED FLOOR INSIDE THE DRUM AFTER REVOLVING DOOR IS ERECTED UNLESS CLEARANCE HAS BEEN ADDED TO BOTTOM OF WINGS AND DRUM IN THE SHOP. REVOLVING DOOR WALLS MUST SET ON SOLID MATERIAL (NOT RUBBER MAT, CARPET OR OTHER RESILIENT MATERIAL)

ERECTION PROCEDURE

1. Inspect area where door is to be erected, floor must be level and flat.
2. Construct the centerlines and inside radius of the door on the floor.
3. Set enclosure walls #5A interior & exterior, #5R interior & exterior in place. Bolt together at center, plumb and level. Verify that walls are to correct radius by comparing to floor layout.
4. Mark floor for dowel locations.
5. Remove walls, drill 3/4" dia x 1-1/2" holes for floor dowels.
6. Place ceiling sections #6 exterior and #6 interior into position on floor, and bolt together.
7. Raise ceiling assembly high enough to clear top of walls.
8. Fill dowel holes in floor with quick setting cement, Replace walls, to position, plumb and level and dowel to the floor before cement sets up.
9. Lower ceiling onto walls and secure to walls. Recheck plumb and level.
10. Install top bearing & channel assembly in the ceiling. If not pre-installed.
11. Extend a plumb line from the center of the bearing down to the floor, adjust bearing channel assembly to line up plumb line to center of ceiling, measuring from each wall post to plumb line at ceiling level, secure bearing channel assembly to joist.
12. Check plumb bob to center of layout on floor, and move canopy if needed, to bring plumb bob to center of floor layout and secure to adjacent work.
13. Set floor pivot base in exact center of door, level with leveling screws, top of pivot base to be level at 3/8" above the finished floor. Fill recess with quick setting cement.
14. Remove a panel from drum assembly to access bottom bearing and top plate.
15. Remove the top stubshaft from center drum assembly.
16. place center drum at center of door and remove floor bearing.
17. Install floor stub shaft with key.
18. Place two washers (1/16" thick) onto stubshaft.
19. Install top stubshaft thru top plate and thru bearing in ceiling and secure to top plate.
20. Install bottom bearing,check clearance distance between top plate and ceiling and bottom plate and floor, (should be 1 1/2"). If this is not so, remove bottom bearing and remove or add shim washers to achieve equal space at top and bottom.
21. Install speed control support angles if not preinstalled.
22. Refer to speed control owners manual for installation of speed control.
23. Thread wiring cable to (slip ring) up thru hole in center of top stub shaft and connect din plug to slipring socket at coupling assembly.
24. Attach Square Plastic wiring block to top stub shaft inside center drum.
25. See drum wiring diagram layout sheet ######## in speed control manual cover pocket.
26. Attach all wiring cables having cpc connectors in side the center drum, plastic block attached to center stub shaft is marked to match each wing observe.
27. Attach wiring cables from from speed control and motor to the control box.
28. Install wings (they are match marked to center drum for location) locate wing at center drum at 90 degrees to normal position in order to access pivot pin set screws in back side of wing.
29. Connect wires from leadpost safety edge switches to ORBITER control box. See ORBITER manual for hook up.
30. Door is ready for manual operation only.
31. Electrical wiring to be done by electrical contractor.
32. Ceiling lights to be wired by electrical contractor.
33. Doors walks. (See instruction sheet.)
34. Install lockkeepers. (see sheet #1).
35. Attach roof sections and seal.

EXTERIOR

(1) REVOLVING DOOR REQ'D PER THESE DETAILS

DATE	LOC.	KEY	DESCRIPTION	BY

REVISIONS

BUT OUR OWN AND ARE NOT RESPONSIBLE FOR ANY ERRORS OCCURRING THRU THE USE OF THIS DRAWING BY OTHER PARTIES.

PRINTS ISSUED

NO.	KEY	DATE	NO.	KEY	DATE
1 VEL	AP	9/6/07			
3 BL	AP	9/6/07			
1 VEL	RECORD				
3 BL	RECORD				
4	SHOP				
1 VEL	ERECT.				

KEY EXPLANATION

AP. - APPROVAL
F.A. - FINAL APPROVAL
DIS. - DISTRIBUTION
S.I. - SHOP INSPECTION
ER. - ERECTION
RT. - REQUEST
R.R. - REPAIR REFERENCE

INTERNATIONAL REVOLVING DOOR COMPANY

PHONE (812) 425-3311 2138 N. SIXTH AVENUE, EVANSVILLE, INDIANA 47710-2895

JOB: -

LOCATION: -

MODEL TYPE: JUPITER 4-WING

CUSTOMER: -

- -

MATERIAL: WINGS & CENTER SPINDLE- .060 304 S/S
WALLS- .060 304 S/S
CEILING- .060 304 S/S
ROOF- .125 ALUMINUM CLEAR ANODIZED FINISH

DETAIL SYMBOL

FINISH- #4 SATIN

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DRAWN: KMW	DATE: 9/5/07	DOOR NO: -	
CHECKED:	DATE:	DRAWING NO: -	
SCALE: 3/4"=1'-0"		ORDER NO: -	
SHEET 1 OF 4			