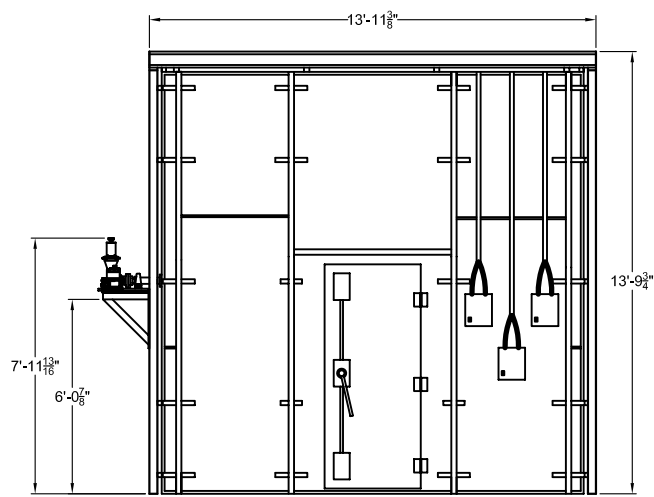
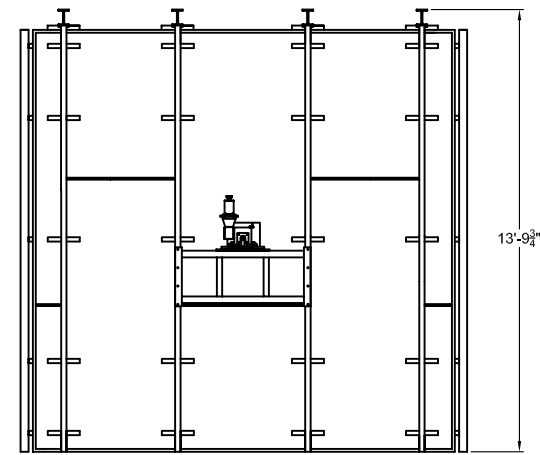


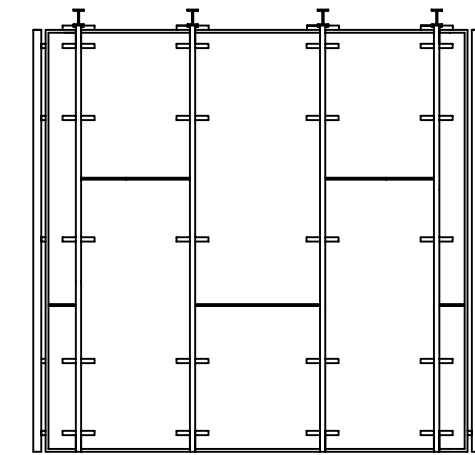
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



ELEVATION A



ELEVATION B



ELEVATION C

NOTES:

GENERAL:

1. TEST CHAMBER OUTSIDE DIMENSIONS ARE 168 X 168 X 166 IN HIGH (4.3 X 4.3 X 4.2 M HIGH). RECOMMENDED FLOOR PLAN PROVIDES 66 IN (1.7 M) CLEARANCE AROUND ELEV DRIVE UNIT AND 120 IN (3.0 M) CLEARANCE IN FRONT OF TEST CHAMBER.

2. TEST CHAMBER IS A STAND-ALONE MODULAR SHIELDED CHAMBER LINED WITH RF ANECHOIC MATERIAL. TOTAL SYSTEM WEIGHT IS 16940 LB (7700 KG). MAXIMUM FLOOR LOAD IS 256 LB/SQ FT (1252 KG/SQ M).

3. FLOOR SURFACE BENEATH CHAMBER MUST BE SMOOTH AND FLAT TO WITHIN 1/8 IN OVER 10 FT (3 MM OVER 3 M), NON-ACCUMULATING.

ELECTRICAL:

4. TEST CHAMBER MUST BE CONNECTED TO HOST BUILDING ELECTRICAL GROUND. A GROUNDING STUD IS PROVIDED WITH THE CHAMBER AND WILL BE FIELD INSTALLED AT A CONVENIENT LOCATION ON WALL B.

5. SYSTEM RF AND CONTROL CABLING IS ROUTED TO LEFT FRONT CORNER OF TEST CHAMBER. AN EQUIPMENT RACK OR TABLE IS REQUIRED TO SUPPORT THE SYSTEM CONTROLLER AND RF EQUIPMENT. A DEDICATED 120V/20A/1PH OR 240V/10A/1PH ELECTRICAL CIRCUIT IS REQUIRED TO POWER INSTRUMENTATION EQUIPMENT.

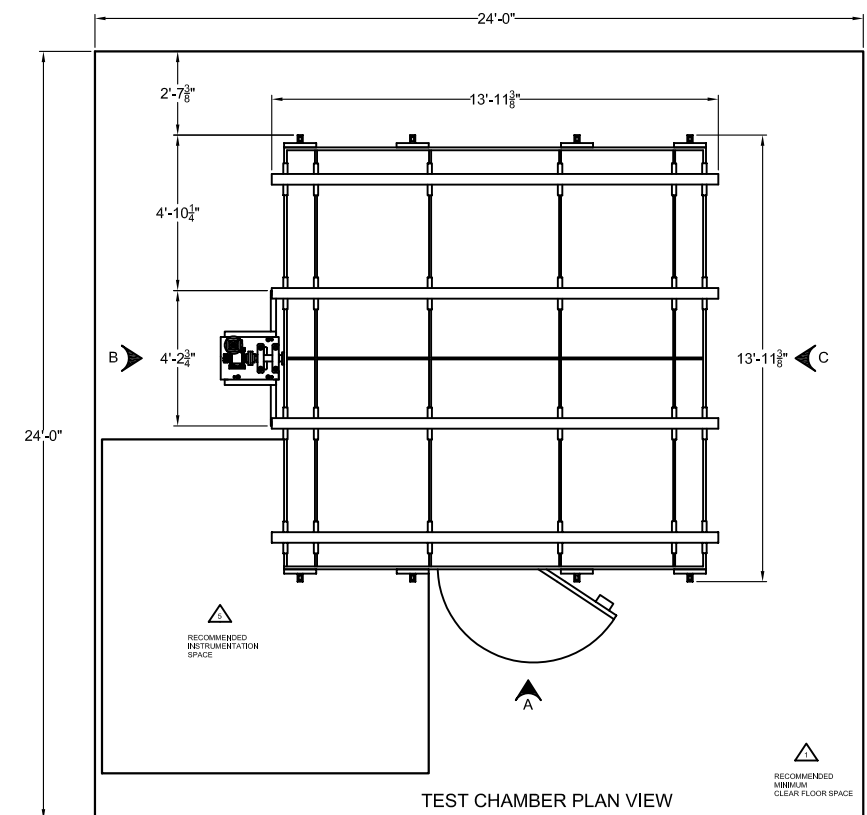
6. CHAMBER LIGHTING IS PROVIDED BY FIBER OPTIC LITE PIPES. A DEDICATED 120V/15A/1PH OR 240V/10A/1PH ELECTRICAL CIRCUIT IS REQUIRED TO POWER LIGHTING ILLUMINATORS.

HVAC:

7. HVAC SUPPLY/RETURN DUCTS ARE 12 IN (30 CM) SQUARE AND HAVE SHEET METAL FLANGES FOR ATTACHMENT OF DUCTING. DUCTING IS NOT REQUIRED FOR RETURN VENT. 70 - 100 CFM AIRFLOW IS SUFFICIENT FOR TEST CHAMBER.

FIRE PROTECTION:

8. SPRINKLER DROP PIPES AND HEADS ARE PRE-INSTALLED IN THE CHAMBER. A 1" PIPE NIPPLE EXTENDS THRU THE CHAMBER CEILING TO ALLOW CONNECTION OF EACH SPRINKLER TO THE HOST BUILDING WATER SUPPLY.



TEST CHAMBER PLAN VIEW

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				THE HOWLAND COMPANY, INC. 4540 Alwater Court, Suite 107 Buford, GA 30518 678-546-5680 www.thehowlandcompany.com	
		TOLERANCES:				TITLE	
		DECIMAL ANGULAR				4100 WIRELESS TEST LAB	
		.X ±.050 ±0.5°				FACILITY INTERFACE CONTROL DRAWING	
		.XX ±.030					
		.XXX ±.010					
		THIRD ANGLE PROJECTION					
	POXX			APVD	CWS	DATE 5/17/06	SIZE
NEXT ASSY	USED ON			DWN	JPM	DATE 5/17/06	D
APPLICATION				DSGN	CWS	DATE 5/17/06	CAGE CODE
							5V978
							DWG NO
							P0XX0000
							REV
							SCALE
							NTS
							SHEET
							1 OF 1