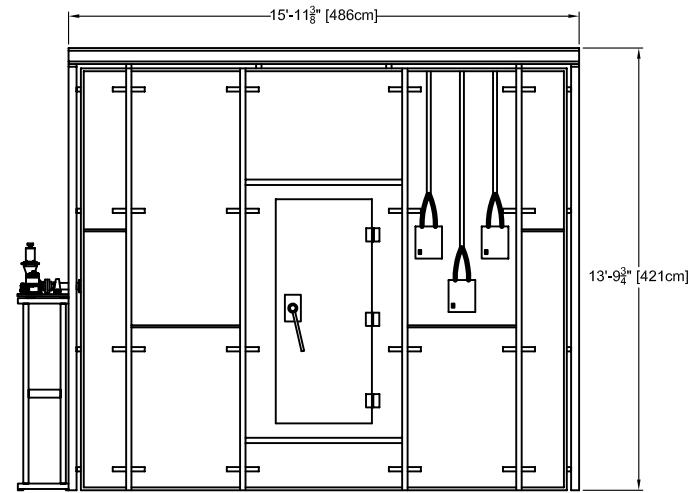
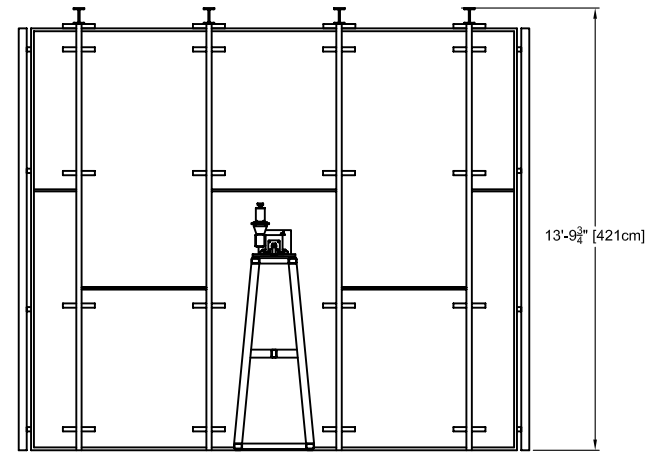


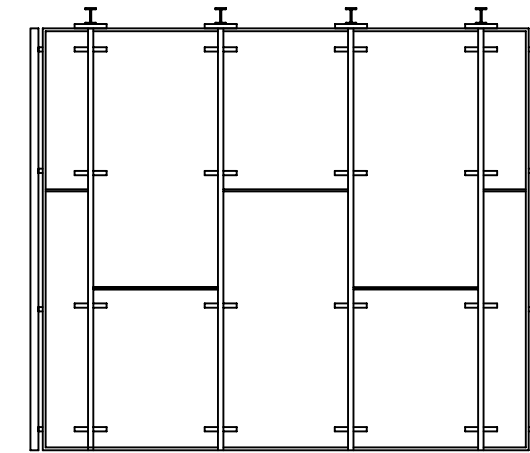
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



ELEVATION A



ELEVATION B



ELEVATION C

NOTES:

GENERAL:

1. TEST CHAMBER OUTSIDE DIMENSIONS ARE 192 X 192 X 166 IN HIGH (4.9 X 4.9 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 14000 LB (6350 KG). MAXIMUM FLOOR LOAD IS 265 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 SIDE 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.

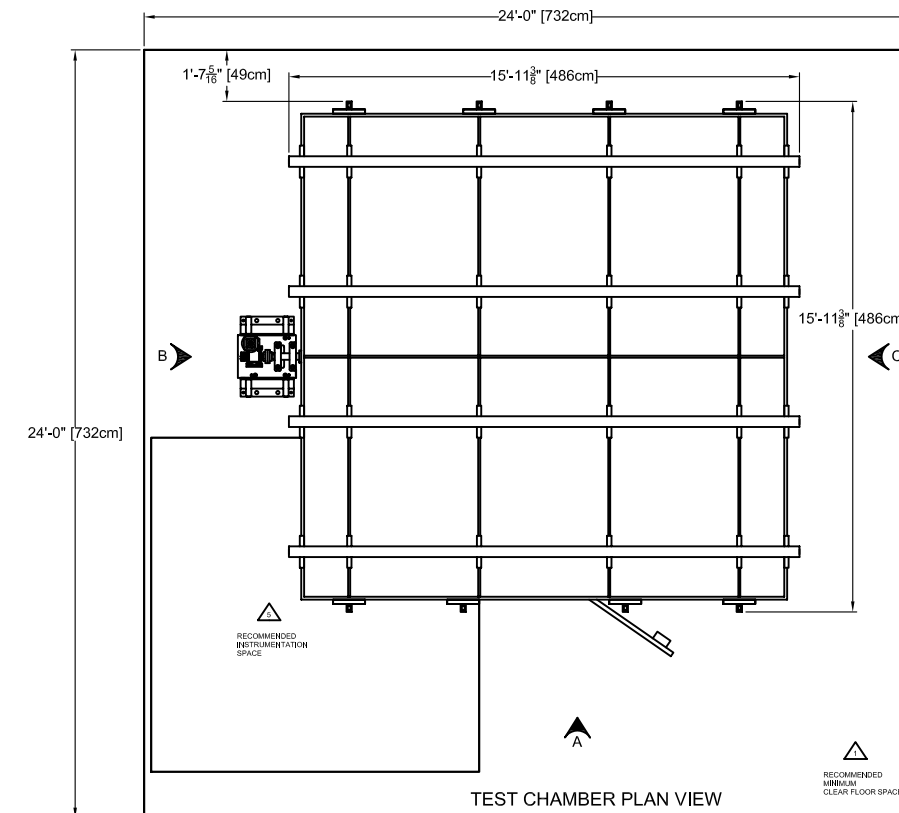
6. CHAMBER LIGHTING IS PROVIDED BY FIBER OPTIC LITE PIPES. A DEDICATED 120V/15A/1PH OR 240V/10A/1PH ELECTRICAL CIRCUIT IS REQUIRED TO POWER LIGHTING ILLUMINATORS.

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		TOLERANCES:		THE HOWLAND COMPANY, INC. 4540 Atwater Court, Suite 107 Buford, GA 30518 678-546-5680 www.thehowlandcompany.com	
		DECIMAL	ANGULAR	TITLE	
		.X ±.050	±0.5°	4100 WIRELESS TEST LAB	
		.XX ±.030		FACILITY INTERFACE CONTROL DRAWING	
		.XXX ±.010		SIZE CAGE CODE DWG NO	
THIRD ANGLE PROJECTION			D 5V978 P0090002		
	POXX	THIRD ANGLE PROJECTION		REV	
NEXT ASSY	USED ON	APVD CWS	DATE 5/17/06	DSGN CWS	DATE 5/17/06
APPLICATION		DWN JPM	DATE 5/17/06	SCALE NTS	SHEET 1 OF 1