



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

- NOTES:**
- TEST CHAMBER OUTSIDE DIMENSIONS ARE 122 X 122 X 116 IN HIGH (3.1 X 3.1 X 3.0 M HIGH). RECOMMENDED FLOOR PLAN PROVIDES 48 IN (1.2M) CLEARANCE AROUND ELEV DRIVE UNIT, 72 IN (1.8M) CLEARANCE IN FRONT OF TEST CHAMBER, AND 18 IN (0.6M) CLEARANCE ABOVE TEST CHAMBER.
  - TEST CHAMBER IS A STAND-ALONE MODULAR SHIELDED CHAMBER LINED WITH RF ANECHOIC MATERIAL. TOTAL SYSTEM WEIGHT IS 5500 LB (2500 KG). MAXIMUM FLOOR LOAD IS 140 LB/SQ FT (670 KG/SQ M).  
  
FLOOR SURFACE BENEATH CHAMBER MUST BE SMOOTH AND FLAT TO WITHIN 1/4 IN OVER 10 FT (0.6 CM OVER 3 M).  
  
TEST CHAMBER MUST BE CONNECTED TO ELECTRICAL GROUND. A GROUNDING STUD IS PROVIDED WITH THE CHAMBER AND CAN BE FIELD INSTALLED AT A CONVENIENT LOCATION ON WALL B.
  - 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 TERMINATING IN STANDARD RECEPTACLES IS REQUIRED TO POWER MEASUREMENT EQUIPMENT AND SHOULD BE PERMANENTLY INSTALLED IN THIS AREA.
  - HVAC SUPPLY/RETURN DUCTS ARE 12 IN (30.5 CM) SQUARE AND HAVE SHEET METAL FLANGES FOR ATTACHMENT OF DUCTING. DUCTING IS NOT REQUIRED FOR RETURN VENT. SUPPLY VENT CAN BE LOCATED ON SIDE OF CHAMBER IF OVERHEAD CLEARANCE IS INSUFFICIENT (SEE ELEV B). STANDARD OFFICE AIR SUPPLY VOLUME IS SUFFICIENT FOR TEST CHAMBER.
  - A SHIELDED SPRINKLER PENETRATION IS PROVIDED IN THE CHAMBER CEILING. A 1-1/2" PIPE NIPPLE IS PROVIDED FOR CONNECTION OF THE SPRINKLER SUPPLY AND THE SPRINKLER DROP PIPE. DROP PIPE SHOULD BE CPVC PLASTIC PIPE (SEE HOWLAND DWG 00080066).
  - CHAMBER LIGHTING IS PROVIDED BY FIBER OPTIC LITE PIPES. THE ILLUMINATORS REQUIRE 120V/5A/1PH OR 240V/2.5A/1PH. ILLUMINATORS ARE SUPPLIED WITH 10 FT (3M) POWER CORDS FOR CONNECTION TO STANDARD RECEPTACLES. ILLUMINATORS CONTAIN INTEGRAL CIRCUIT BREAKER/SWITCH UNITS AND MAY BE HARD-WIRED TO HOST BUILDING ELECTRICAL SUPPLY IF DESIRED.  
  
FIBER-OPTIC ILLUMINATORS MAY OPTIONALLY BE LOCATED ON WALL B OF TEST CHAMBER IF DESIRED.

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES:	
DECIMAL	ANGULAR
.X ±.050	±0.5°
.XX ±.030	
.XXX ±.010	
THIRD ANGLE PROJECTION	
P0040000	3100 WTL
NEXT ASSY	USED ON
APPLICATION	

FIND NO	QTY	CAGE CODE	PART OR IDENT NO	NOMENCLATURE OR DESCRIPTION	NEXT ASSY	USED ON

PARTS LIST

**THE HOWLAND COMPANY, INC.**  
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TITLE: 3100 WIRELESS TEST LAB  
FACILITY INTERFACE CONTROL DRAWING

APVD	CWS	DATE 9-19-02	SIZE	CAGE CODE	DWG NO	REV
DWN	CWS	DATE 9-19-02	D	5V978	P0040001	
DSGN	CWS	DATE 9-19-02	SCALE 3/4"=1'	SHEET 1 OF 1		