

STAT



21 June 1967

Cy 1 of 2 cy
9619-7-62

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P.O. Box 8031
Southwest Station
Washington, D. C. 20024

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Subject: 

Gentlemen:

Enclosed herewith are three (3) copies of Installation Engineering Data and three (3) dimensioned outline drawings for this project (9619), prepared in accordance with the requirements of Specification DB-1001.

Very truly yours,

STAT



Contracts Manager

cc: Contracting Officer

Declass Review by NGA.

INSTALLATION ENGINEERING DATA

Date form completed 6/9/67

(See Remarks at end of form)

Tentative Valid until _____

Final data

I. INSTRUMENT

- A. Name of instrument: Viewgraph Generator
- B. Manufacturer: _____
- C. Contract number: _____
- D. Delivery date: Tentative: Sept. 1, 1967 Final: _____

II. PHYSICAL FEATURES

- A. Sub-assemblies:
- Number of sub-assemblies: N/A
 - Largest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D
 - Heaviest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D
- B. Assembled instrument:
- Number of major components: 1
 - Largest component: Weight 750 lbs; _____" H x _____" W x _____" D
 - Heaviest component: Weight _____ lbs; _____" H x _____" W x _____" D
 - Total floor space required after assembly, including maintenance access space. 78 Ft. 78 In. High x 72 Ft. _____ In. Wide x 84 In. Deep.
 - Total weight of assembled instrument: 750 lbs.
- C. Type of base or mount: Flat ; 3-point suspension _____; 4-point suspension _____
- D. Does the instrument have built-in mobility? Yes No _____
- E. Is the instrument particularly sensitive to vibration? Yes No _____
Will the instrument generate vibration? Yes _____ No
- F. Are any special or unusual tools or fixtures necessary or advisable for the installation of the maintenance of this instrument? Yes _____ No .
If "Yes," please describe: _____

III. UTILITIES

- A. Electrical:
- Voltage: 115 Volts ^{AC} / _____ Volts _____ Volts ^{DC} / _____
 - Current: 30 Amps/phase _____ Amps
 - Frequency: 60 cps
 - Nr. of phases: 1 Ph
 - Nr. of wires: 2 + Gr
 - Power required: _____ Watts _____ Watts
 - Power factor: _____ (Leading) (Lagging)
 - Type of outlet: Two prong _____; three prong ; Twist lock ; Perma _____
 - Type of ground: Building conduit _____; Direct earth ground _____
 - Should the instrument be shielded, either from external electromagnetic signals or to prevent interference with other equipment? Yes _____ No .
If "Yes," to what extent? _____

B. Air conditioning:

1. Desired environment: Room air temperature of 65 °F / 75 °F and relative humidity of 30 % / 60 %.
2. Input Air: Is a direct connection necessary? Yes No ;
 Adviseable? Yes No ; If "Yes," what is the connector type and size? _____ Recommended input air temperature °F / °F.
 Relative humidity % / %. If input air must be filtered, what is the maximum particle size in microns? _____ What particle count? _____ / cu. ft.
3. Output Air: Is a direct connection to the return air duct necessary? Yes No . Adviseable? Yes No . Connector type and size? _____ . Output air temperature °F / °F. Relative humidity % / % . Output heat BTU/Hr. Flow of CFM. Is output air toxic? Yes No ; Noxious? Yes No .

C. Plumbing:

1. Is water required? Yes No ; Pressure PSIG, flow GPM.
2. Type of water required:
 Tap °F / °F Deionized °F / °F
 Tempered °F / °F Filtered °F / °F
 If filtered, give maximum permissible particle size in microns and the maximum permissible count. microns particles/cu. ft.
3. Pipe required:
 Galvanized _____ Copper _____ Size _____
 Stainless Steel _____ Plastic _____ Type of connector _____
4. Floor drain:
 Diameter of drain Galvanized drain?
 Plastic drain? Glass drain?
5. Are any chemical solutions used in the device? Yes No . If "Yes," state the nature of the solution(s), permissible temperature range, flow rate in appropriate units and the filtration necessary for each solution _____ .
6. Size of pipes and connectors _____ .

D. Compressed air:

Is compressed air required? Yes No . Water free? Oil Free?
 Type and size of connector? _____ . Pressure PSIG. Flow in CFM _____
 Maximum , minimum , average .

E. Vacuum:

Is vacuum required? Yes No . Pressure PSIA or (inches of water) (millimeters of mercury). Displacement in CFM, maximum _____ , minimum _____ , average _____ . Type and Size of connectors _____ .

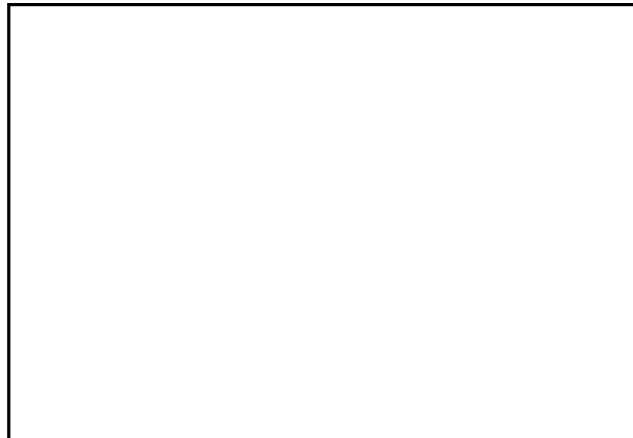
F. Peripheral Devices:

Will the instrument be connected to any peripheral devices such as a computer or data input or data output device? Yes No . If "Yes," give, in detail, the nature of the connection to the peripheral device such as coaxial cable, multiple wire connector, etc.

IV. REMARKS

- A. Use additional sheets if more space is required for environmental conditions or utilities not mentioned above.
- B. Submit three typed copies of the completed form to the Technical Representative.

- C. Attach three copies of a dimensioned outline drawing of each major component and of the completed assembly. Include the estimated weight of each major component and of the completed assembly. Indicate, on the outline drawing of the completed assembly, the space required for access to the instrument for maintenance.
- D. If a question does not apply to the instrument, insert "N/A" (Not Applicable) in the appropriate blank space.



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II. PHYSICAL FEATURES

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 1. Number of sub-assemblies: N/A
 2. Largest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D
 3. Heaviest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D

B. Assembled instrument:
 1. Number of major components: 1
 2. Largest component: Weight 750 lbs; _____" H x _____" W x _____" D
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 5. Total weight of assembled instrument: 750 lbs.

C. Type of base or mount: Flat ; 3-point suspension _____; 4-point suspension _____

D. Does the instrument have built-in mobility? Yes No _____

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6. Power required:	_____ Watts	_____ Watts
7. Power factor:	_____ (Leading) (Lagging)	
8. Type of outlet:	Two prong _____; three prong <input checked="" type="checkbox"/> ; Twist lock <input checked="" type="checkbox"/> ; Perm. _____	
9. Type of ground:	Building conduit _____; Direct earth ground _____	
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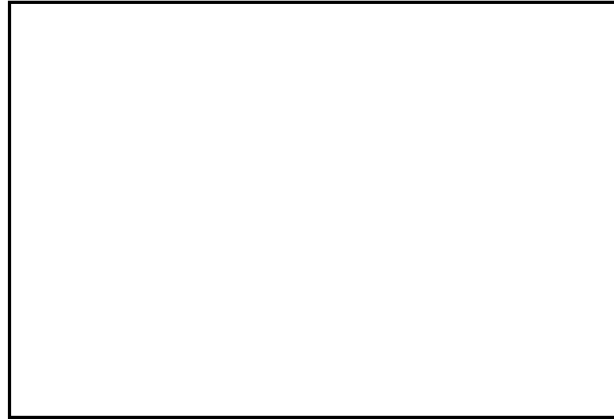
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AUTOMATIC VIEW GRAPH MAKER

MATERIAL COST

INTERMEDIATE	.40
Transfer Sheet	.16
Chemicals	.036
	<hr/>
	.59

Lens-

240mm -- reductions- 1:2 enlargements

150mm 1;2 - 1:4 enlargements

Material Specs

DMax 1.35

dMin .04 Range 1.30

Gamma- .75-1.0

resolution 25 lines /mm

9~~8~~ step gray scale

Cost 1 Unit - 445,124

2 Units