A1 WALL FIN 6'-0" 2 ROW ELEMENT
TRANE E45 W/ SERIES 40 ELEMENTS 2 ROWS @ 12" O.C. 16 GPM @ 130°F AVERAGE WATER TEMPERATURE.
7'-0" ENCLOSURE W/ END CAPS FITTED W/ THERMOSTATIC CONTROL VALVE.

3/4" HWS & HWR UP TO WALL FIN ON LANDING ABOVE

G2' x 36' R.A. RISER

48"x 32" S.A. DUCT TO WEST TUNNEL FLARE

ACCESS TUNNEL

(2) 30 x 8 S.A. GRILLE CARRIES 1650 @ 1650 CFM

46"x6" SAR 1000 CFM

STAIR #1 (103)

CROSS CONNECT RM. (101)

18"x14" DUCT THRU BEAM

NOTE- SUPPLY DUCT NOT INSULATED

(4) C.D. CARRIES 4 M.C.F. 9" x 36" 800 CFM EA.

LINAC HALL (152)

34 x 18 S.A. DUCT FROM LEVEL #2

1" HWS 1" HWR

52 x 28 S.A. DUCT ABOVE

12"6 x 16 GAGE GALV. STL. DUCT CAST IN WALL UP TO ROOF FLANGED INLET 10'-0" ABOVE FLOOR SEE DETAIL 4/M2 M11

EAST FLARE (153)

52" x 48" CONC. DUCT ABOVE ROOF LINED W/ 1" INSULATION (CONC. DUCT BY GEN. CONTR.)

S.A.R. 48" 1500 CFM 10,000 CFM

25'-0" 51'-0"

32 x 48 CONC. DUCT ABOVE ROOF LINED W/ 1" INSULATION (CONC. DUCT BY GEN. CONTR.)

WEST FLARE (110)

SYNCHROTRON HALL (150)

1" THICK INSULATION

WOOD NAILER ANCHORED TO CONC.

FASTEN FRAME TO NAILER W/ SCREWS

48"x30" SAR 10,000 CFM

WEST FLARE (110)

SECTION A M2/M3
SCALE 1/4" = 1'-0"

32 x 48

120 x 48 SAR 10,000 CFM

EAST FLARE (153)

SECTION B M2/M3
SCALE 1/4" = 1'-0"

SYNCHROTRON SUPPORT (118)

350 CFM 22 x 6 SAR.

580 CFM 22 x 6 S.A.R.

20 x 16

20x20 x 16 GAGE GALV. STL. DUCT CAST IN WALL

12"6 x 16 GAGE GALV. STL. DUCT CAST IN WALL FLANGED INLET 10'-0" ABOVE FLOOR SEE DETAIL 4/M2 M12

20 x 20 x 16 GAGE GALV. STL. DUCT CAST IN WALL

CLOSE TO CEILING

TECH. AREA (120)

SHOP AREA (135)

STAGING AREA (141)

SEE UNIT HEATER SUPPORT DETAIL 4/M2 M14

38 x 17" UNDER CONCRETE GIRDER 28 x 17

500 CFM 20 x 6 S.A.R.

500 CFM 12 x 6 S.A.R.

500 CFM 20 x 6 S.A.R.

500 CFM 20 x 6 S.A.R.

200 CFM 24 x 8 S.A.R.

(2) C.D. 12 BOOSER-COLEMAN #SASV-G12 1000 PM

DESK (128)

STAIR #2 (138)

HC 40 12"x18"

HC 39

500 CFM 22 x 6 S.A.

1½" MWS 1½" MWR

12"x12" EA. 15"x16" EA.

WELDING HOOD SEE DETAIL 1/M2 M13

ELEVATOR EQUIP. (134)

1-C.D. 8 x 12 BOOSER COLEMAN #SASV-58/12 100 CFM

LEVEL #1
SCALE 1/8" = 1'-0"

6" SMS RISER 4" SWR RISER } IN WALL CORES.

FOR CONTINUATION SEE DWG. M10

STORAGE (154)

WELDING HOOD DETAIL 1/M2 M13
SCALE 3/8" = 1'-0"

LEVEL 2 TERRACE

34"x18" HC39 16"x10" 18"x18" HC 40

½" HANGER RODS

16"x16"

2 x 2 x ¼ CLIP ANGLES

WELDING TABLE

3/8" ANCHOR BOLT

SECTION C M2/M3

38x22

FIRE DAMPERS

32x48

SECTION D M2/M3
SCALE 1/4" = 1'-0"

NOTES
1. FOR EQUIPMENT SCHEDULE AND LEGEND REFER TO DWG M1.
2. INSTALL FIRE DAMPERS IN ALL DUCTS AT FLOOR PENETRATIONS.

LTR	REVISIONS	DATE	CHK'D	APP'D
B	AS BUILT CORRECTIONS	12/13/66 BY GRM		
A	DELETED WALL FIN FROM LEVEL 3 TO STAIR #1 REVISED DUCT AT CROSSCONNECT RM 101, 3,4,5,6 ADDED DIMENSIONS. RM 150 REMOVED 3M RISERS INTO WALL CORE-STAIR #1	5/13/66 GRM	6/13/66 GRM	
		CHK'D GRM	APP'D LADWP	

10 GEV CORNELL SYNCHROTRON LABORATORY

CORNELL UNIVERSITY
ITHACA NEW YORK

AIR CONDITIONING HEATING & VENTILATING
LEVEL #1
PLAN, SECTIONS & DETAIL

WILLIAM M. BROBECK AND ASSOCIATES
IAN MACKINLAY, AIA ARCHITECT
PREGNOFF & MATHEU STRUCTURAL ENGR.
JACOBS ASSOCIATES CONSTRUCTION ENGR.
950 GILMAN ST. BERKELEY, CALIF. 94710
TELEPHONE 415 - 524 - 8686

DR. R.Gass. CHK. [illegible] SUPV. [illegible]

RELEASED	APPROVED	SCALE
T.K.Chu	LAB NUCLEAR STUDIES	NOTED
[illegible]	[illegible]	SHEET 48 OF 102
DATE NOV. 15, 1966	DATE JAN 15, 1966	DRAWING NO. M2
		WMB & A NO. 111-5

2085-33-65-204 044 249 Cornell University B. & P.