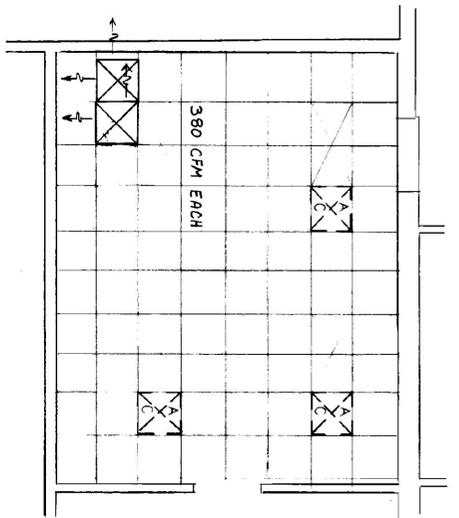
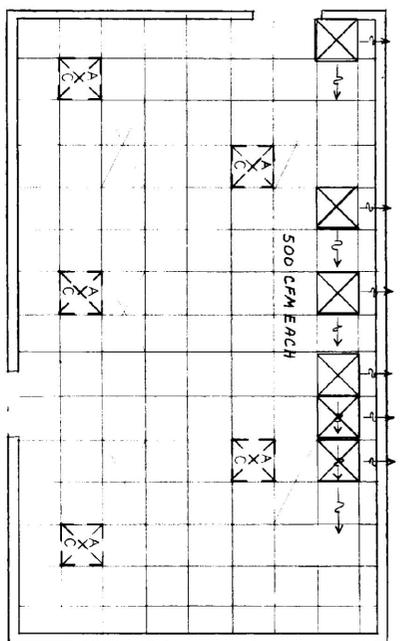


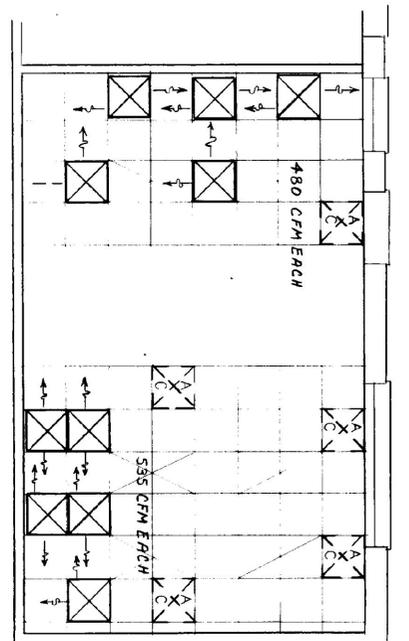
**NOTE:**  
 ALL SUPPLY DIFFUSERS TO BE 2 WAY AS SHOWN. 18" X 18" NECK FOR ALL LABS EXCEPT CHEM LAB (2' X 12').  
 DIFFUSERS TO BE 2' X 2' TO FIT LAY IN CEILING GRID. METPLAQUE (OR EQUAL) SERIES 5000, MODEL M-6.  
 2-WAY AIR PATTERNS SC OR S2 AS SHOWN ON PLANS. SUPPLY IN BAKED ENAMEL FINISH WITH DAMPER  
 & 12" Ø ROUND TRANSITIONS (10" FOR CHEM LAB).



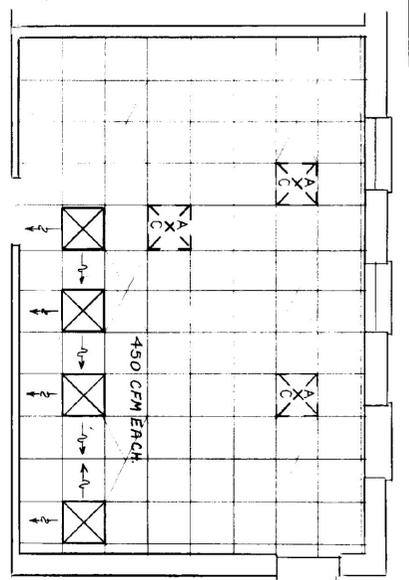
**CHEM LAB**



**SOILS LAB**



**ASPHALT LAB**

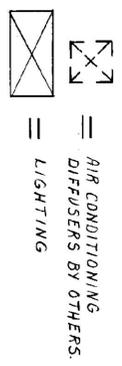


**HOT MIX LAB**

**REFLECTED CEILING PLANS**

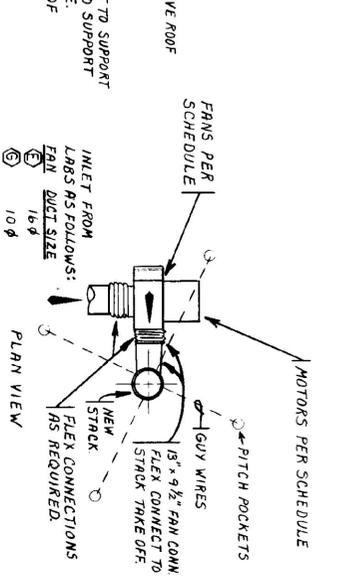
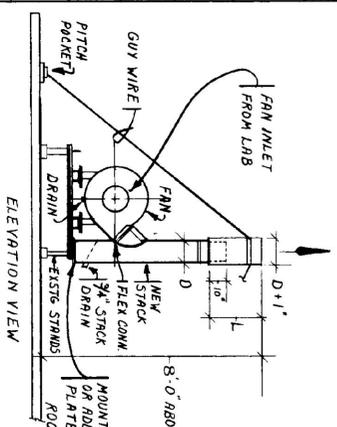
Scale: 1/4" = 1'-0"

**NOTE:** ALSO REFER TO ARCH. DWGS FOR REFLECTED CEILING PLANS



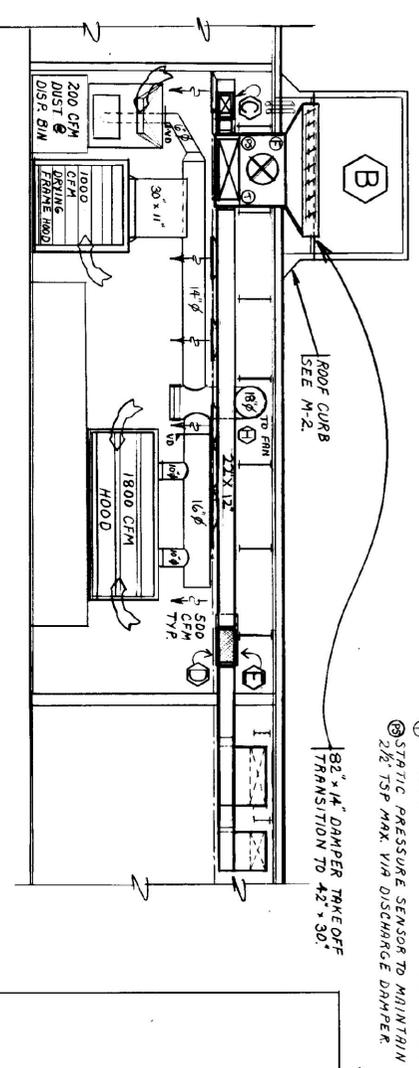
FAN	CFM	SERVING	NEW OR EXISTING ON ROOF	D	L	STACK MATERIAL
F	1800	HOT MIX LAB	NEW	10"	40"	PCD 4x2
G	600	HOT MIX LAB	EXISTG	7"	28"	PCD 4x2
H	3000	SOILS LAB	NEW	12"	48"	PCD 4x1
I	2800/316	ASPHALT LAB	EXISTG	12"	48"	PCD 4x2
EXISTG	2600/400	ASPHALT LAB	EXISTG	12"	48"	PCD 4x2
EXISTG	600	HOT MIX LAB	EXISTG	6"	24"	PCD 4x1

\* NOTE: ON EXISTING FAN STACKS: REMOVE EXISTG. RECTANGULAR STACK & REPLACE WITH NEW STACK PER DRAWING.



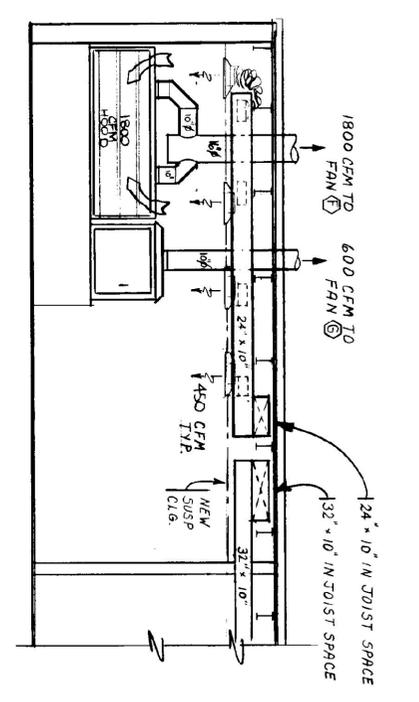
**ROOF FANS & STACK DETAILS**

No Scale



**SOILS LAB ELEVATION SECTION A-A**

Scale: 1/4" = 1'-0"



**HOT MIX LAB ELEVATION SECTION B-B**

Scale: 1/4" = 1'-0"

MARK	TYPE	MANUFACTURER	MODEL	CHARACTERISTICS	ELECTRICAL	NOTES
A	MAKE UP AIR UNIT	EXISTING AMERICAN STD		2400/1200 CFM MAKEUP EXIST UNIT CONTROLS PER DRAWINGS & SPECS.	RELOCATE EXISTG 2 SPEEDS, 1 PH	SEE CONTROL SECTION OF SPEC.
B	ROOF MOUNTED AIR HANDLER	MCQUAY	RDS-800B	6300 CFM @ 2.5" ESP W/SUPPLY DAMPER, FACE & BYPASS, TWIN SUPPLY FANS 15" X 15"	7-1/2 PH, 1180 RPM 208 V, 3.8, 60 HZ	REFER TO CONTROL SECTION OF SPEC.
C	NAV BOX	ENVIRO-TEC	SSD-11 #8	760 CFM - CHEM LAB	24 V SIGNAL FROM HOOD TO ACTIVATE	SEE CONTROL OF SPEC.
D	NAV BOX	ENVIRO-TEC	SSD-11 #14	1800 CFM - HOT MIX LAB	24 V SIGNAL FROM HOOD TO ACTIVATE	SEE CONTROL OF SPEC.
E	NAV BOX	ENVIRO-TEC	SSD-11 #18	2600 CFM - ASPHALT LAB 3000 CFM - SOILS LAB	24 V SIGNAL FROM HOOD TO ACTIVATE	SEE CONTROL OF SPEC.
F	EXHAUST FAN HOT MIX HOOD	BUFFALO FORGE	BL 245	1800 CFM @ 1" TSP STAINLESS STEEL WHEEL	1 PH, 2000 RPM 208 V, 3.8, 60 HZ	OWNER TO SUPPLY MECH CONT. TO INSTALL.
G	EXHAUST FAN HOT MIX OVEN	BUFFALO FORGE	BL 245	600 CFM @ 1/2" TSP HEADLUST RPM/CM ON EXISTG FAN.	1/2 PH, 1000 RPM 208 V, 3.8, 60 HZ	OWNER TO SUPPLY MECH CONT. TO INSTALL.
H	EXHAUST FAN SOILS LAB	BUFFALO FORGE	BL 245	3000 CFM @ 2-1/2" TSP	3 PH, 3300 RPM 208 V, 3.8, 60 HZ	OWNER TO SUPPLY MECH CONT. TO INSTALL.
I	EXHAUST FAN ASPHALT LAB	EXISTING BUFFALO FORGE	BL 245	RELOCATE ONLY NO OTHER FAN MOVS REQD.	EXISTING	NO OTHER FAN MOVS REQD.

**EQUIPMENT SCHEDULE**

**MECHANICAL CONSULTANT:**



**GWR Engineering, P.C.**  
 PO Box 157 - The Chemistry Building  
 Shelburne, VT 05482  
 Tel: (802) 985-9081 FAX: (802) 985-8499

State of Vermont  
 Department of State Buildings  
 John Zampieri, Commissioner

**Materials & Research Laboratory**  
 Berlin, Vt.

**PHASE III**

**ARCHITECT:**

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 P.O. Box 55 - Barton Road, Waterbury, VT 05676  
 FRED KEL, ARCHITECT  
 (802) 244-3800

**REFLECTED CEILING PLANS SCHEDULES**

1-10-91

**DETAILS & ISSUES**

**M-12**

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