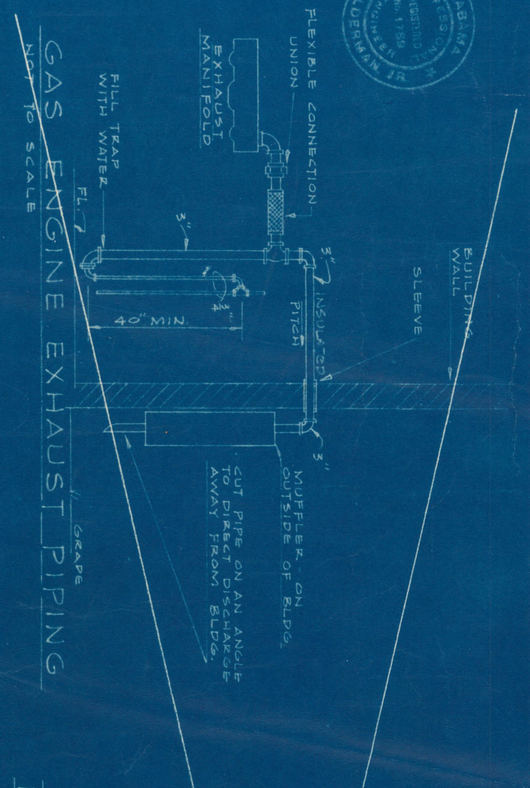
GAS ENGINE EXHAUST PIPING

NOT TO SCALE



GAS ENGINE BREATHER PIPING

NOT TO SCALE

GAS ENGINE COOLING WATER PIPING

CONNECTIONS WITHIN DASHED AREA ARE FACTORY INSTALLED ON CHILLERS. SHT M-1 TO BE OMITTED ON ABSORPTION CHILLER ALTERNATE.

CONDITIONER DATA

No	FAN CFM	VS SP	MP	OV	EPM
1	17,900	VS 1.5"	7.5	.730	640
2	19,200	VS 1.5"	7.5	.845	645
3	8500	VS 1.25	5	.810	955

No	FILTERS TYPE	SIZE	MIN AREA	COIL TYPE	ROWS	AREA	ENT COND	LVG COND	GPM	TONS	MFG. No. - TYPE
1	THRO AWAY	20x25x2	72.9	P	4 (MIN.)	36.8	81.8 DB	61.2 DB	60.0	108	44.8 MARLO C3P HORIZ INTAKE
2	"	20x25x2	72.9	P	4 (MIN.)	38.4	82.4 DB	61.6 DB	60.6	115	48.0 " C3P "
3	"	20x25x2	345	P	4 (MIN.)	17	81.4° DB 67.8° WB	61.0° DB 59.7° WB	51	21.2	" C3J "

PITCH COILS AND ALL LINES TO DRAIN COMPLETELY AND BACK TO RISER & ENGINE ROOM DRAIN VALVES

62 x 32 SUPPLY DN.

80 x 24 RET. DN.

CANOPY

AV

COND. No. 1

60 x 32

5" CHS & CHZ DN.

PARAPET TO BE REMOVED

CHS & CHZ DN.

CHS 4" CHZ 3"

2½"

A.V.

44 x 26 DN

CANOPY

COND. No. 2

48 x 24 RET DN

60 x 32

A.V.

84 x 24 RET DN.

TOILET EXH. FAN
COOK MOD TCB-15C02B
500 CFM VS 1/8" S.P.
410 RPM 1/12 H.P.

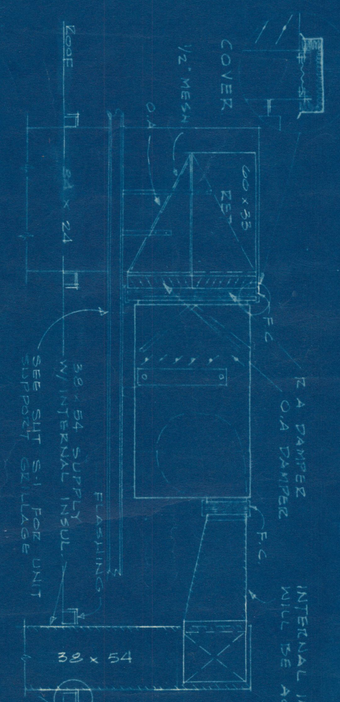
PARTIAL ROOF PLAN

SCALE: 1/8" = 1'-0"

NOTE:
VOIDED DETAILS BELOW, AS WELL AS DETAILS ENTITLED 'GAS SUPPLY PIPING' & 'CONCRETE BASE FOR CHILLERS' TO BE OMITTED ON ABSORPTION CHILLER ALTERNATE.

SECTION 'A-A'

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

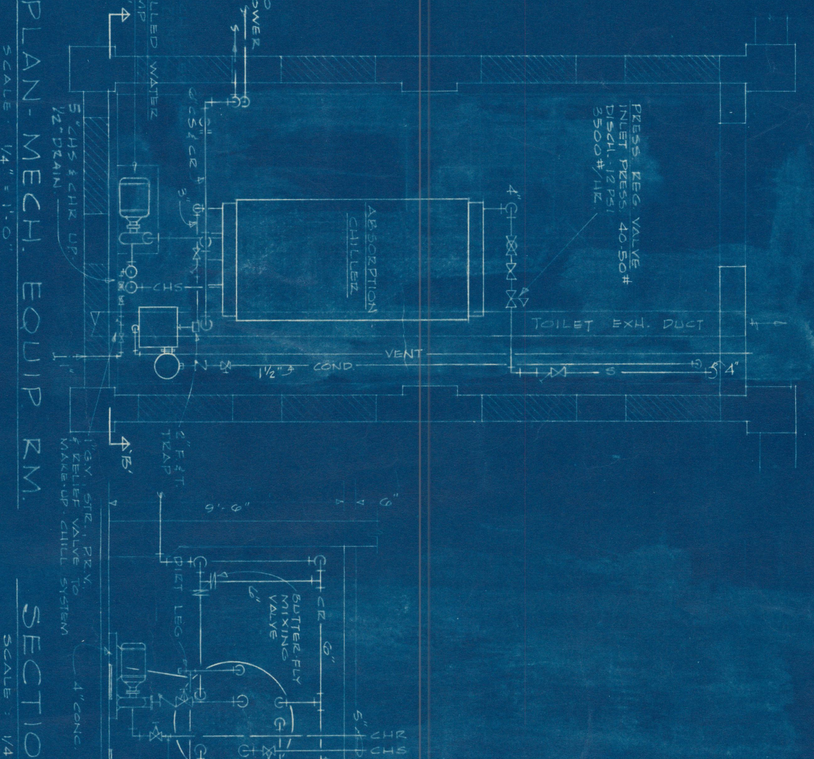


SECTION 'B-B'

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

PLAN - MECH. EQUIP RM.

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

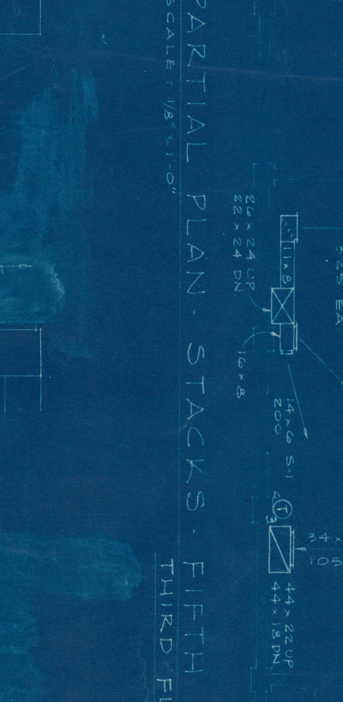


COIL PIPING SCHEMATIC

(CONNECTIONS TYPICAL FOR ALL COILS)

PARTIAL PLAN - STACKS - FIFTH LEVEL

THIRD FL.



TYPICAL SECTION - DUCTS THRU ROOF OR FL. SLAB

NO SCALE

NOTE:
LARGE DUCTS PASSING THRU CONC SLAB STRUCTURE MAY BE PIERCED BY STRUCTURAL RIBS AS DETAILED BELOW. IF SO, THE ORIGINAL NET AREA OF THE DUCT MUST BE MAINTAINED OR ACQUIRED BY TRANSFORMATION. MAINTAINED OPNG. PROVIDE SHEET METAL FAIRING AS DETAILED ABOVE

ADDITION & RENOVATION LIBRARY BUILDING

PROJECT NO. ALA. 4-0361 TUSKEGEE INSTITUTE
TUSKEGEE INSTITUTE, ALABAMA

HEATING, VENTILATING AND AIR CONDITIONING

THIRD FLOOR & ROOF PLANS

MILLER AND ALLAIN, ARCHITECTS
ATLANTA, GEORGIA

REVISIONS	DRAWN	APPROVED
	TRACED	
	ISSUE DATE 12/9/65	
	DRAWING NO. M-2	

ALABAMA REGISTERED EDWARD T. MILLER JR. REGISTERED ARCHITECT No. 1758