PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE	WASTE	C W	—	GAS
P-1	WATER CLOSET	4"	1"	—	—
P-2	WATER CLOSET	4"	1"	—	—
P-3	URINAL	2"	¾"	—	—
P-4	URINAL	2"	¾"	—	—
P-5	LAVATORY	1¼"	½"	—	—
P-6	LAVATORY	1¼"	½"	—	—
P-7	LAVATORY	1¼"	½"	—	—
P-8	SERVICE SINK	3"	½"	—	—
P-9	CLASSROOM	1½"	½"	—	—
P-10	WORKROOM SINK	1½"	½"	—	—
P-11	DRINKING FOUNTAIN	1¼"	½"	—	—
P-12	DRINKING FOUNTAIN	1¼"	½"	—	—
P-13	STUDENT'S TABLE	1½"	½"	—	½"
P-14	INSTRUCTOR S TABLE	1½"	½"	—	½"

LEGEND

WASTE AND DRAIN
VENT
ROOF DRAINAGE — RD
COLD WATER — C —

VENT THRU ROOF — VTR
VENT TIE BACK — VTB
CLEANOUT — CO
LAWN FAUCET — LF
FLOOR DRAIN — FD
OPEN DRAIN — OD
ROOF DRAIN — RD
GATE VALVE
GLOBE VALVE
CHECK VALVE
BALANCING COCK
STRAINER
ACID RESISTANT DRAIN — A
ACID RESISTANT VENT — A
GAS — G
RELIEF VALVE — R

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 2673 EDWARD F. WHITE

DOUG CORKERN REGISTERED ARCHITECT No. 707 SOUTH CAROLINA

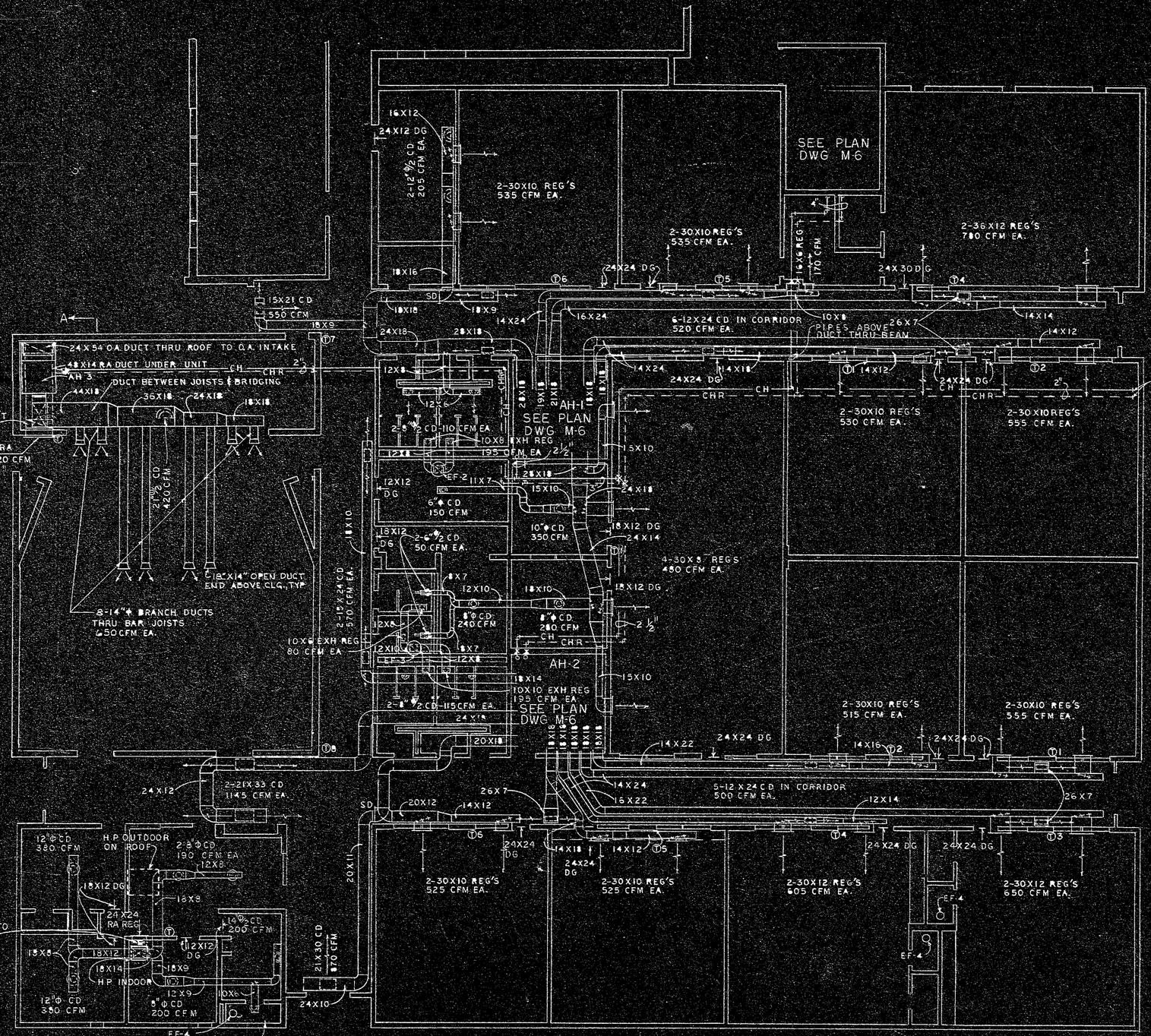
CORKERN & WIGGINS A.I.A. ARCHITECTS
17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL — SHEET TITLE PLUMBING SCHEDULES & LEGEND
BLUFFTON SCHOOL DISTRICT NO. 2
BLUFFTON SOUTH CAROLINA

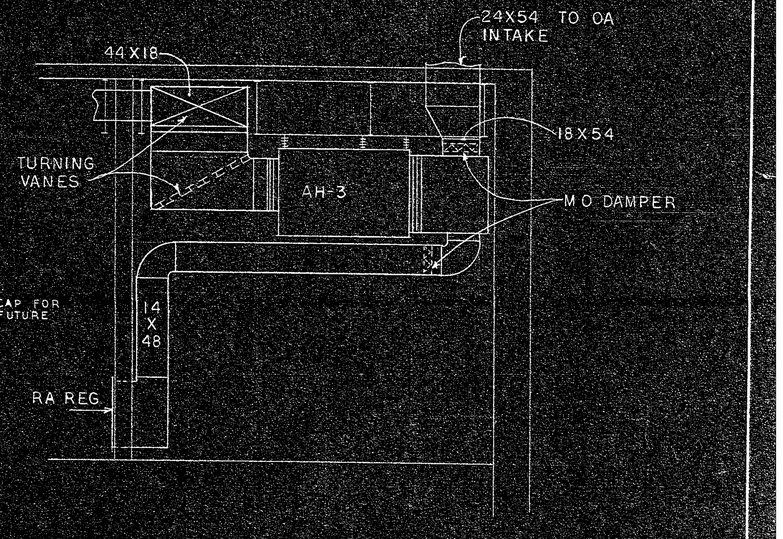
SHEET M4 OF 26

JOB NO. 6404 DATE JUN 1 1964

SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-64



HEATING, VENTILATING & AIR CONDITIONING PLAN
SCALE: ⅛"=1'-0"



SECTION A A
SCALE: ⅜"=1'-0"

DOUGLAS CORKERN ARCHITECT No. 797 REGISTERED SOUTH CAROLINA

SOUTH CAROLINA No. 2573 REGISTERED EDWARD F. WIGGINS

CORKERN & WIGGINS A.I.A. ARCHITECTS
17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL
BLUFFTON SCHOOL DISTRICT NO 2
BLUFFTON SOUTH CAROLINA

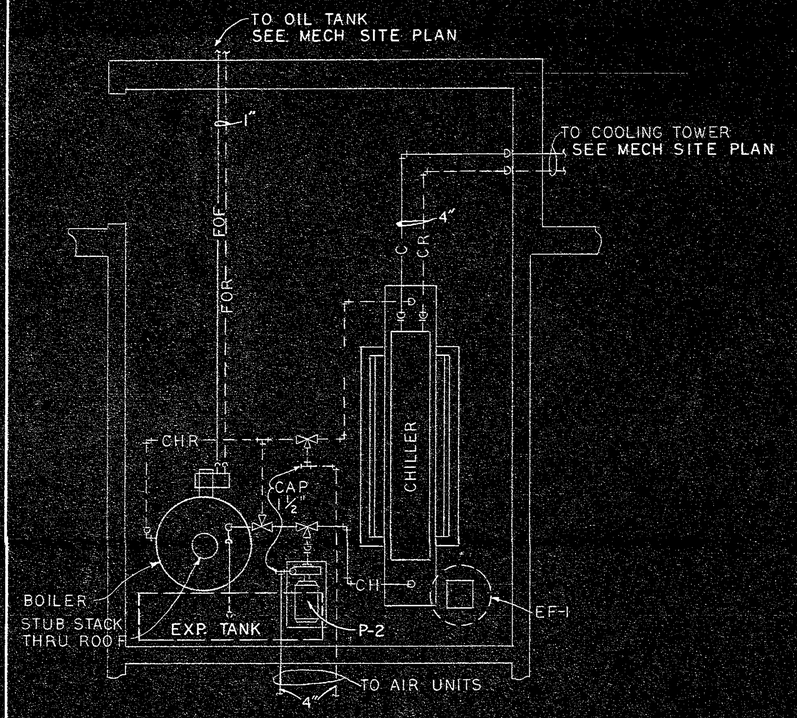
SHEET TITLE HEATING VENTILATION & AIR COND. PLAN

SHEET # 26 M5

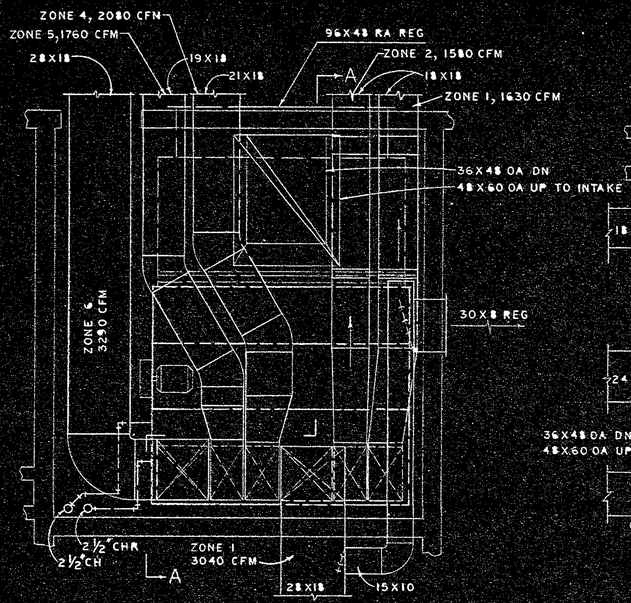
JOB NO. 2404

DATE JUN 1 1964

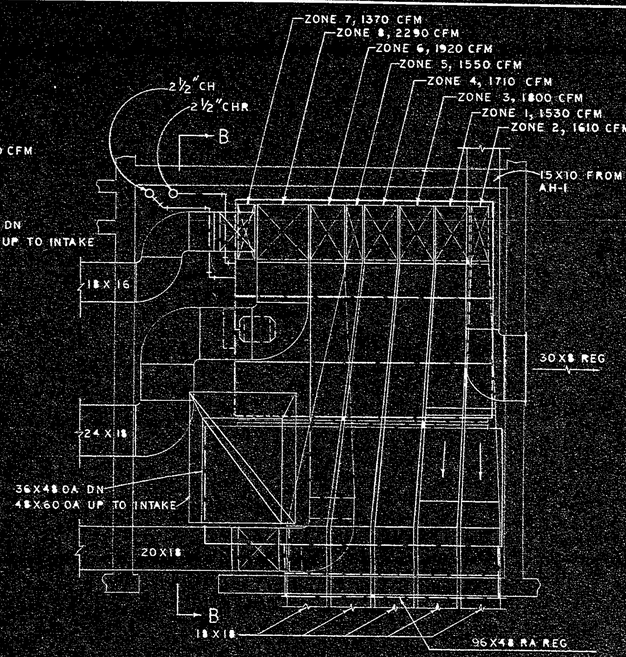
SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-64



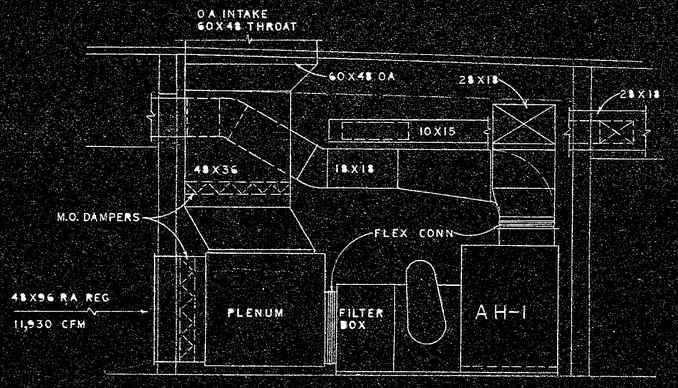
MECHANICAL ROOM PLAN
SCALE: ⅜"=1'-0"



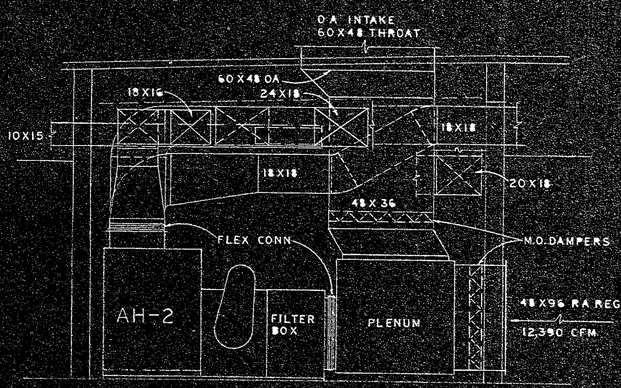
AIR UNIT NO.1 PLAN
SCALE: ⅜"=1'-0"



AIR UNIT NO.2 PLAN
SCALE: ⅜"=1'-0"



SECTION A-A
SCALE: ¾"=1'-0"



SECTION B-B
SCALE: ¾"=1'-0"

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 2573 EDWARD F. WHITE

DOUG CORKERN REGISTERED ARCHITECT No. 787 HILTON HEAD ISLAND SOUTH CAROLINA

CORKERN & WIGGINS A.I.A. ARCHITECTS
17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL SHEET TITLE MECHANICAL ROOM PLANS & SECTIONS SHEET M6 OF 16
BLUFFTON SCHOOL DISTRICT NO. 2
BLUFFTON SOUTH CAROLINA

JOB NO. 6404 DATE JUN 1 1954

SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-54

PACKAGE WATER CHILLER

CAPACITY	CHILLED WATER			CONDENSER WATER		
BTU/HR	GPM	ENT	LVG	GPM	ENT	LVG
1,110,000	222	52°F	42°F	300	85°F	95°F

COOLING TOWER

GPM	WATER ON	WATER OFF	WET BULB
300	95°F	85°F	78°F

BOILER

CAPACITY GROSS/OUT BTU/HR	GPM	LVG WATER °F	FUEL OIL GRADE	FUEL OIL TANK GAL	EXPANSION TANK GAL
984,000	222	180	NO 2	5,000-EXISTING	100

AIR HANDLING UNIT SCHEDULE

SYM BOL	TOTAL CFM	OA CFM	EXT SP IN	COOLING (42°F ENT-52°F LVG) MAX COIL FACE VEL FPM	CAPACITY BTU/HR	ENT AIR DB °F	ENT AIR WB °F	LVG AIR DB °F	LVG AIR WB °F	HEATING (180°F ENT) CAPACITY BTU/HR	ENT AIR DB °F	LVG AIR DB °F
AH-1	13,380	1,450	.60	600	360,431	78.1	65.0	58.0	55.7	187,154	66.4	79.3
AH-2	13,770	1,380	.60	600	381,902	77.9	64.3	58.0	55.7	212,278	66.7	81.0
AH-3	5,620	1,500	.25	500	256,711	81.1	67.3	55.0	52.6	138,622	58.1	81.0

HEAT PUMP

TOTAL CFM	OA CFM	EXT SP IN	COOLING CAPACITY BTU/HR	COOLING ENT AIR DB °F	COOLING ENT AIR WB °F	COOLING OA DB °F	HEATING CAPACITY BTU/HR	HEATING ENT AIR DB °F	HEATING OA DB °F	HEATING MAX STRIP HEAT
1,600	200	.30	46,582	78.4	65.2	95	41,012	65.5	20	6 KW

PUMP SCHEDULE

PUMP NO	GPM	HEAD FT	SERVICE	REMARKS
P-1	300	60	CONDENSER WATER	
P-2	222	98	HOT CHILLED WATER	

EXHAUST FANS

FAN NO	CFM	SP IN	QUANTITY	TYPE	AREA SERVED
EF-1	515	.25	1	ROOF CENTRIFUGAL	MECHANICAL ROOM
EF-2	390	.25	1	" "	GIRL'S-BOY'S TOILETS
EF-3	550	25	1	" "	" " "
EF-4	40	10	3	CEILING PROPELLER	TOILETS

LEGEND

- CHILLED OR HOT WATER SUPPLY — CH
- CHILLED OR HOT WATER RETURN — CHR
- CONDENSER WATER SUPPLY — C
- CONDENSER WATER RETURN — CR
- REFRIGERANT SUCTION — RS
- REFRIGERANT LIQUID — RL
- FUEL OIL FLOW — FOF
- FUEL OIL RETURN — FOR
- FUEL OIL FLOW — FOV
- MAKE UP WATER
- DRAIN — D
- GATE VALVE
- GLOBE VALVE
- BALANCING COCK
- CHECK VALVE
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- PIPE ANCHOR
- AIR DIVERTER

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 2673 RICHARD F. WHITE

DOUG CORKERN REGISTERED ARCHITECT No. 737 SOUTH CAROLINA

CORKERN & WIGGINS A.I.A. ARCHITECTS

17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL BLUFFTON SCHOOL DISTRICT NO 2 BLUFFTON SOUTH CAROLINA

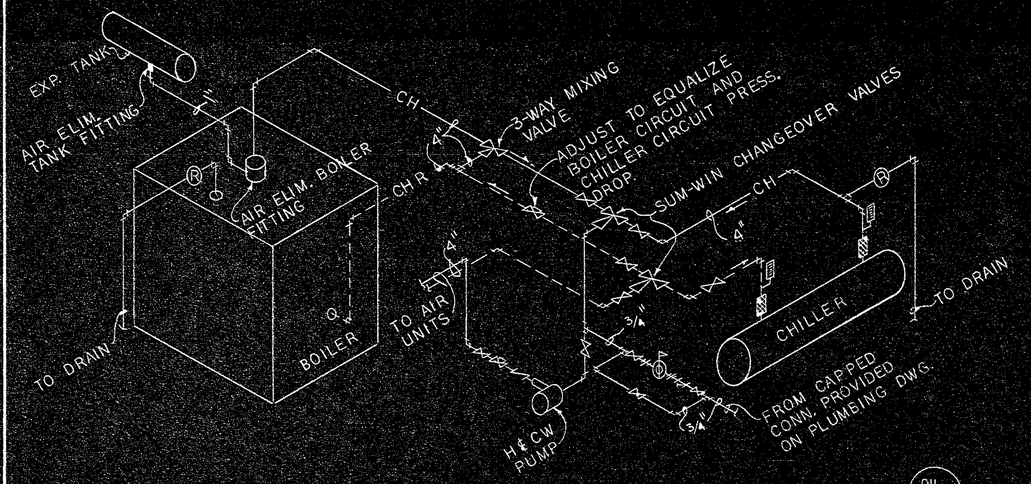
SHEET TITLE MECH. EQUIP. SCHEDULES & LEGENDS

SHEET M7 OF 26

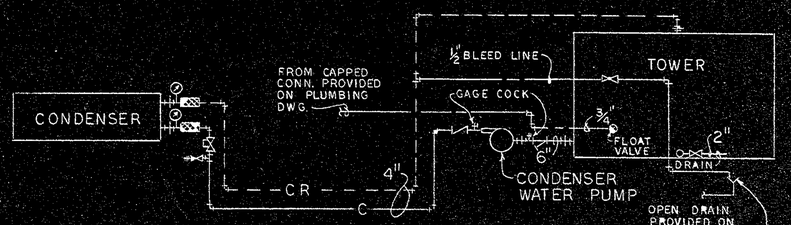
JOB NO. 6404

DATE JAN 1 1964

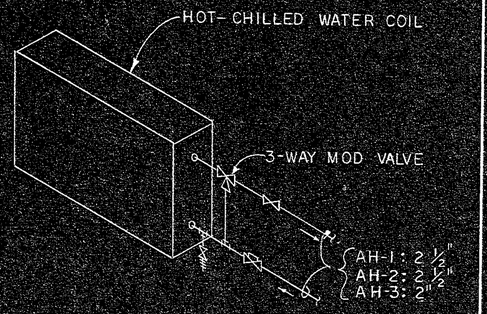
SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-64



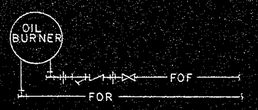
SCHEMATIC
HOT AND CHILLED WATER PIPING
NO SCALE

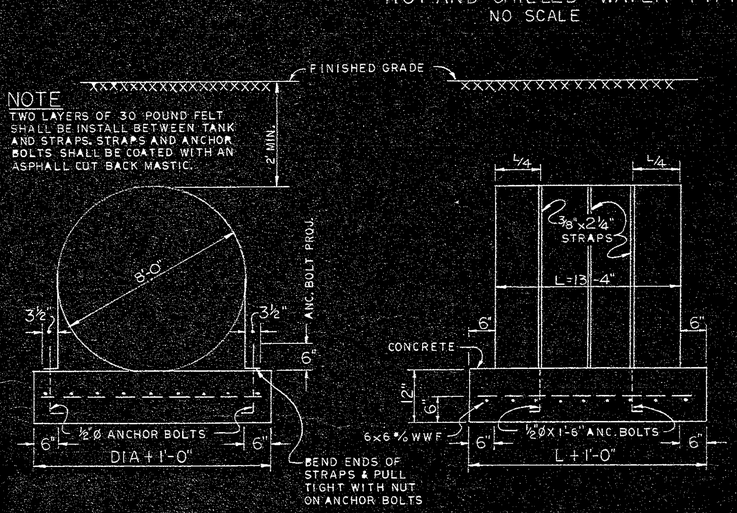


CONDENSER WATER PIPING SCHEMATIC
NO SCALE

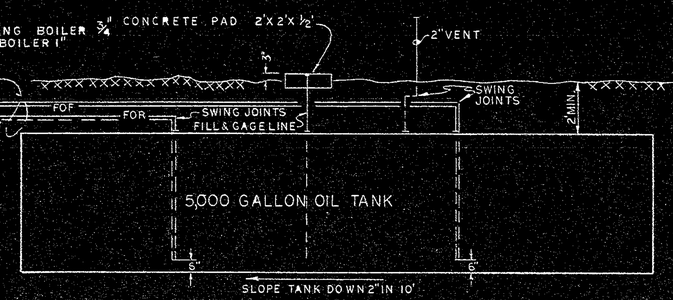


SCHEMATIC
AIR HANDLING UNIT PIPING
NO SCALE

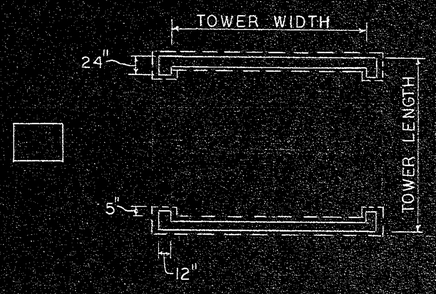


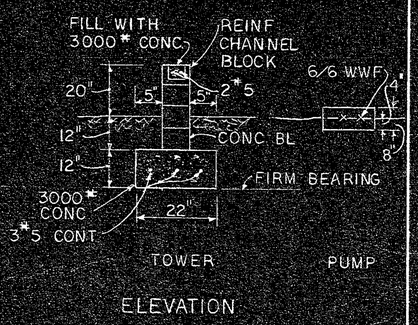


CONCRETE BASE FOR FUEL OIL TANK
NOT TO SCALE



OIL PIPING
NOT TO SCALE





DETAIL
COOLING TOWER AND PUMP BASE
NO SCALE

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 2673 EDWARD F. WHITE

DOUG. CORKERN REGISTERED ARCHITECT No. 1397 SOUTH CAROLINA

CORKERN & WIGGINS A.I.A. ARCHITECTS
17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL
BLUFFTON SCHOOL DISTRICT NO. 2
BLUFFTON SOUTH CAROLINA

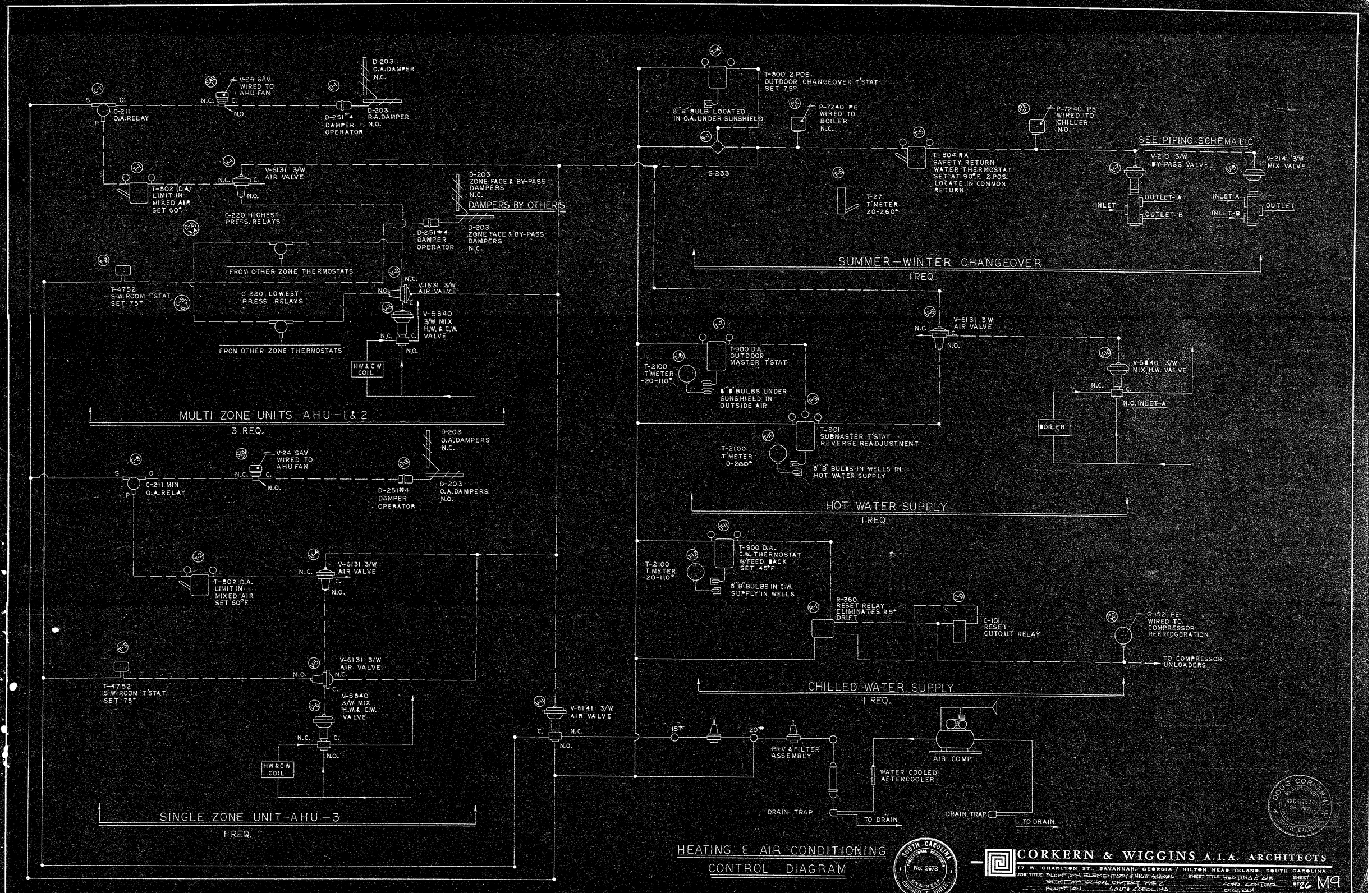
SHEET TITLE MECHANICAL EQUIP. SCHEMATICS & FUEL TANK DETAILS

SHEET 26 M8

JOB NO. 6404

DATE JUN 1 1964

SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-64



HEATING & AIR CONDITIONING CONTROL DIAGRAM

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 2673 EDWARD F. WHITE

CORKERN & WIGGINS A.I.A. ARCHITECTS
17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE: BLUFFTON ELEMENTARY & HIGH SCHOOL, BLUFFTON SCHOOL DISTRICT NO. 2, BLUFFTON, SOUTH CAROLINA
SHEET TITLE: HEATING & AIR COND. CONTROL DIAGRAM
SHEET 26 OF M9
JOB NO. 6404
DATE JUN 1 1963

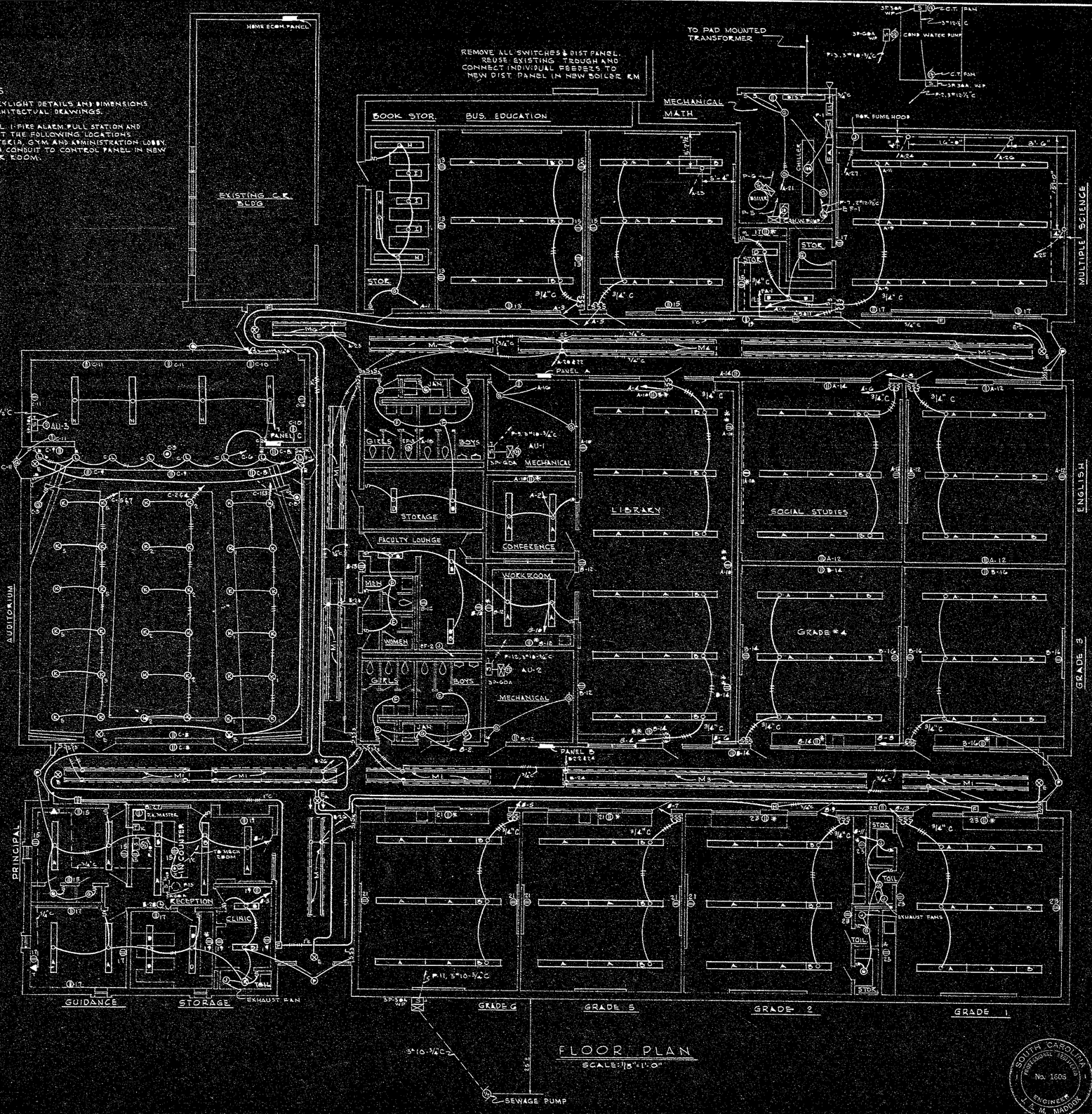
DOUG CORKERN REGISTERED ARCHITECT No. 7[illegible] SOUTH CAROLINA

SAVANNAH BLUE PRINT CO., SAVANNAH, GA.-3-64

NOTES

1. FOR SKYLIGHT DETAILS AND DIMENSIONS SEE ARCHITECTUAL DRAWINGS.

2. INSTALL 1-FIRE ALARM PULL STATION AND HORN AT THE FOLLOWING LOCATIONS CAFETERIA, GYM AND ADMINISTRATION LOBBY. RUN IN CONDUIT TO CONTROL PANEL IN NEW BOILER ROOM.



FLOOR PLAN

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

LEGEND

- PANEL
- FLUORESCENT FIXTURE
- CIRCUIT BREAKER
- TELEPHONE CABINET 24"×24"×4"
- DISCONNECT SWITCH
- INCANDESCENT FIXTURE
- BRACKET FIXTURE
- DUPLEX RECEPTACLE - GROUNDED
- JUNCTION BOX
- EXIT LIGHT
- EXIT LIGHT WITH ARROWS
- TELEPHONE OUTLET
- F — FIRE ALARM PULL STATION 5'-0" UP
- H — FIRE ALARM HORN MOUNT 7'-6" UP
- CLOCK - DOUBLE FACE
- C_M — MASTER CLOCK
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- CONDUIT UNDER FLOOR OR IN EARTH
- CONDUIT RUN IN CEILING AND WALL
- S — SWITCH - 1 POLE
- S_3 — SWITCH - 3 WAY
- S_K — SWITCH - 1 POLE KEY OPERATED
- S_{K3} — SWITCH - 3 WAY KEY OPERATED
- DUPLEX RECEPTACLE ABOVE COUNTER - GROUNDED
- FLOOR OUTLET
- DUPLEX RECEPTACLE MOUNTED IN TOE SPACE - GROUNDED
- CLOCK - SINGLE FACE WITH BUZZER
- SPEAKER
- T.V. OUTLET 4"×4"×2" W/2 G.P. RING
- DISCONNECT SWITCH - RAINTIGHT
- MOTOR HORSEPOWER AS INDICATED
- MOTOR STARTERS
- M — METER
- DIST — DISTRIBUTION PANEL
- T — FLOOR TELEPHONE OUTLET
- F_K — FIRE ALARM KEY SWITCH
- E.F. — EXHAUST FAN
- A.U. — AIR HANDLING UNIT
- F.A. — FIRE ALARM CONTROL PANEL
- CLOCKS - SINGLE FACE
- BELLS - INSIDE TYPE 2000-G WITH B-14285-4
- BELLS - OUTSIDE WEATHERPROOF TYPE 2000-W-10

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 1605 J. A. M. MADDOX ENGINEER

DOUG CORKERN REGISTERED ARCHITECT SOUTH CAROLINA

CORKERN & WIGGINS A.I.A. ARCHITECTS

17 W. CHARLTON ST., SAVANNAH, GEORGIA / HILTON HEAD ISLAND, SOUTH CAROLINA

JOB TITLE BLUFFTON ELEMENTARY & HIGH SCHOOL, BLUFFTON SCHOOL DISTRICT No. 2, BLUFFTON SOUTH CAROLINA

SHEET TITLE LIGHTING & POWER SYSTEMS

SHEET E1 OF 26

JOB NO. G404

DATE JAN 1 1964

SAVANNAH BLUE PRINT CO., SAVANNAH, GA.

DOOR SCHEDULE

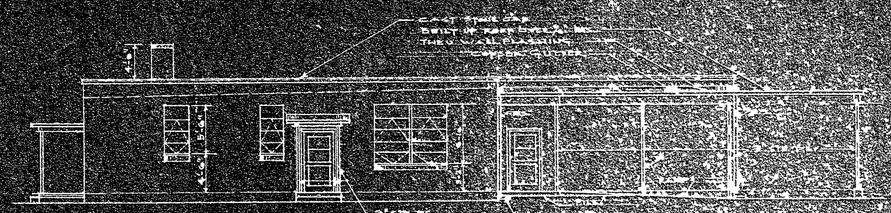
MK	SIZE	TYPE	REMARKS
1	3'-0" x 7'-0" x 1¾"	B-10-G2	HOLLOW METAL DOOR AND FRAME
2	3'-8" x 7'-0" x 1¾"	3 & 10-G4	HOLLOW METAL DOOR AND FRAME
3	2'-4" x 7'-0" x 1¾"	24-10-G4	HOLLOW METAL DOOR AND FRAME
4	2-3'-0" x 7'-0" x 1¾"	FLUSH	WOOD DOOR AND FRAME
5	3'-0" x 7'-0" x 1¾"	FLUSH, 2 LTS.	2-12" x 30" LIGHTS
6	3'-6" x 7'-0" x 1¾"	FLUSH	24" x 28" METAL LOUVER IN BOTTOM
7	3'-0" x 7'-0" x 1¾"	FLUSH	WOOD
8	2'-8" x 7'-0" x 1¾"	FLUSH	WOOD
9	2'-0" x 7'-0" x 1¾"	FLUSH	WOOD
10	4'-3" x 2'-7½" x ¾"	FLUSH	¾" PLYWOOD LIFT-UP DOOR - DISH WASH
11	3'-4" x 7'-4"	MASONRY OPNG.	DISH WASH - CONC. LINTEL
12	3'-0" x 7'-0" x 1¾"	SCREENED, 2 PAN	BRONZE CLOTH IN BOT. PAN
13	2'-8" x 7'-0" x 1¾"	FLUSH	2-16" x 20" LIGHTS
14	1 NEW DOOR TO MATCH EXIST. DOOR		TOILET #2 (EXIST. BLDG.)
15	2 NEW DOORS TO MATCH EXIST. DOORS		AUDITORIUM (EXIST. BLDG.)
16	3'-0" x 7'-0"		CASED OPENING

NOTES:
DOOR SHEET No. 1 FOR NEW DOORS
IN EXIST. BLDG.

FINISH SCHEDULE

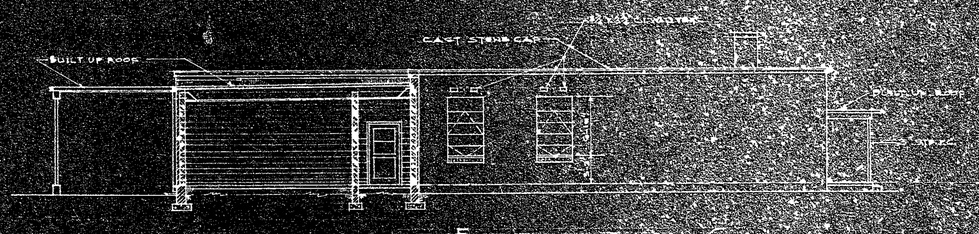
SPACE	FLOOR	BASE	WALLS	WAINSCOT	CEILING
HOME MAKING DEPT.	ASPHALT TILE	WOOD	EXP. MASONRY	NONE	KEENES CEM. PLAS.
CAFETERIA	ASPHALT TILE	WOOD	EXP. MASONRY	NONE	ACOUSTICAL PLAS.
AUDITORIUM	ASPHALT TILE	WOOD	EXP. MASONRY	NONE	ACOUSTICAL PLAS.
SCHOOL STORAGE	ASPHALT TILE	WOOD	EXP. MASONRY	NONE	ACOUSTICAL PLAS.
KITCHEN	QUARRY TILE	QUARRY TILE	EXP. MASONRY	NONE	KEENES CEM. PLAS.
DISH WASH	QUARRY TILE	QUARRY TILE	EXP. MASONRY	NONE	KEENES CEM. PLAS.
TOILET #1	QUARRY TILE	QUARRY TILE	EXP. MASONRY	NONE	PLASTER
STORAGE	QUARRY TILE	QUARRY TILE	EXP. MASONRY	NONE	PLASTER
TOILET #2	QUARRY TILE	QUARRY TILE	EXP. MASONRY	NONE	PLASTER
JANITOR'S CLOSET	CEMENT	NONE	EXP. MASONRY	NONE	UNFINISHED
MECH. ROOM	CONC. SLAB	NONE	EXP. MASONRY	NONE	UNFINISHED

ALL EXPOSED PIPING IN KITCHEN AND TOILETS TO BE CHROME PLATED



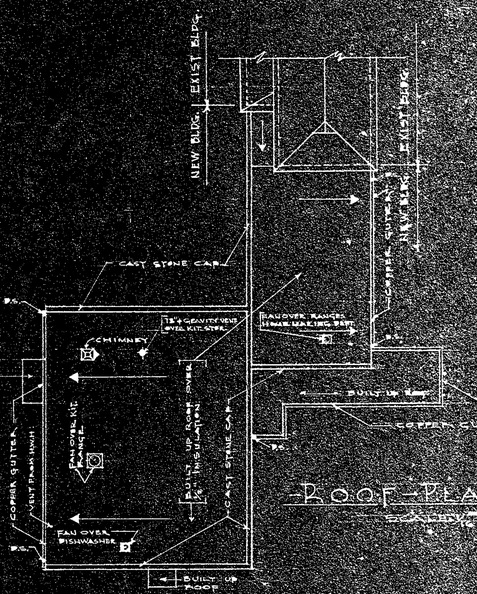
-ELEVATION-A-

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



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

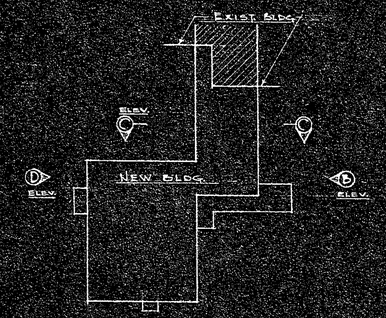
-ELEVATION-D-



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

DETAIL OF CONC.
SPLASH BLOCK
Scale: 3/4"=1'0"

Note:
INSTALL ONE UNDER EACH P.S.



-KEY TO ELEVATIONS-

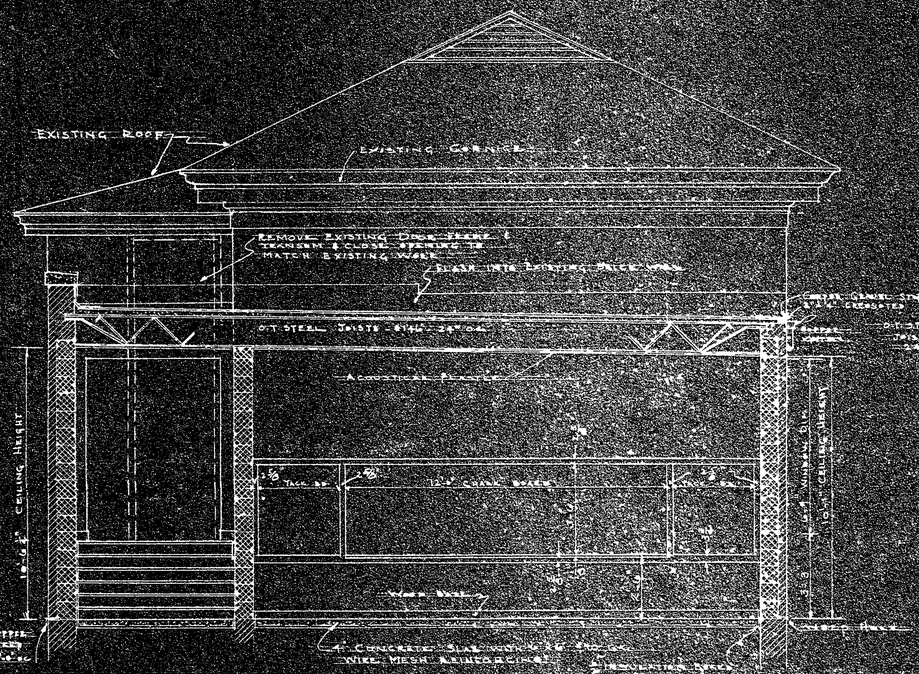
-ELEVATIONS - ROOF PLAN-

ADDITION & RENOVATIONS
TO
BLUFFTON HIGH SCHOOL
BLUFFTON SCHOOL DIST. NO. 2
BLUFFTON, S.C.

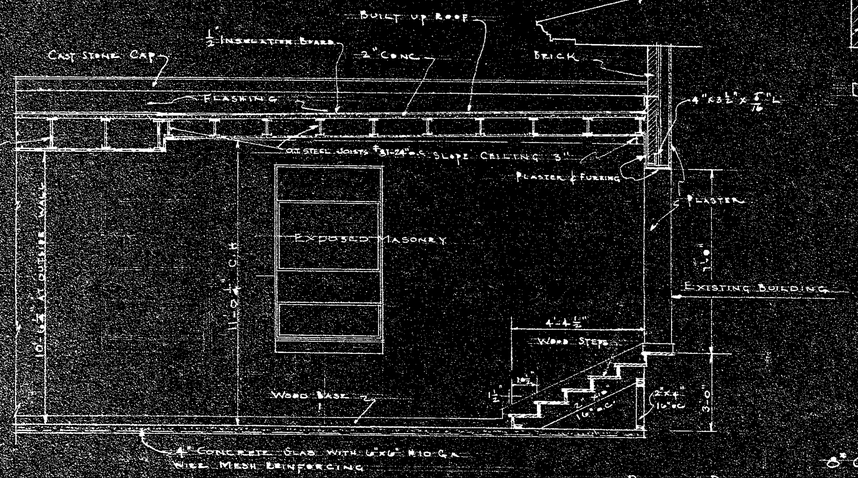
DRAWN BY	E.M.
CHECKED	W.H.
REVISED	

HALSEY & CUMMINGS
ARCHITECTS
WILLIAM HARLESTON, ASSOCIATE
CHAMPNEY ALLEY AT EXCHANGE ST.
CHARLESTON 2, S. C.

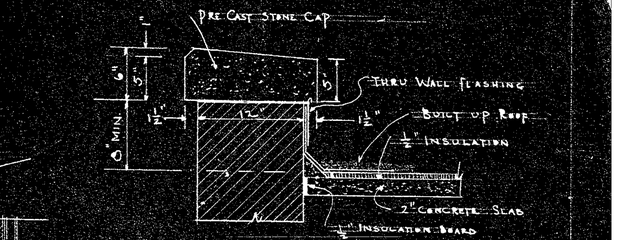
SHEET NO. 3
DATE Sept. 25, 1956



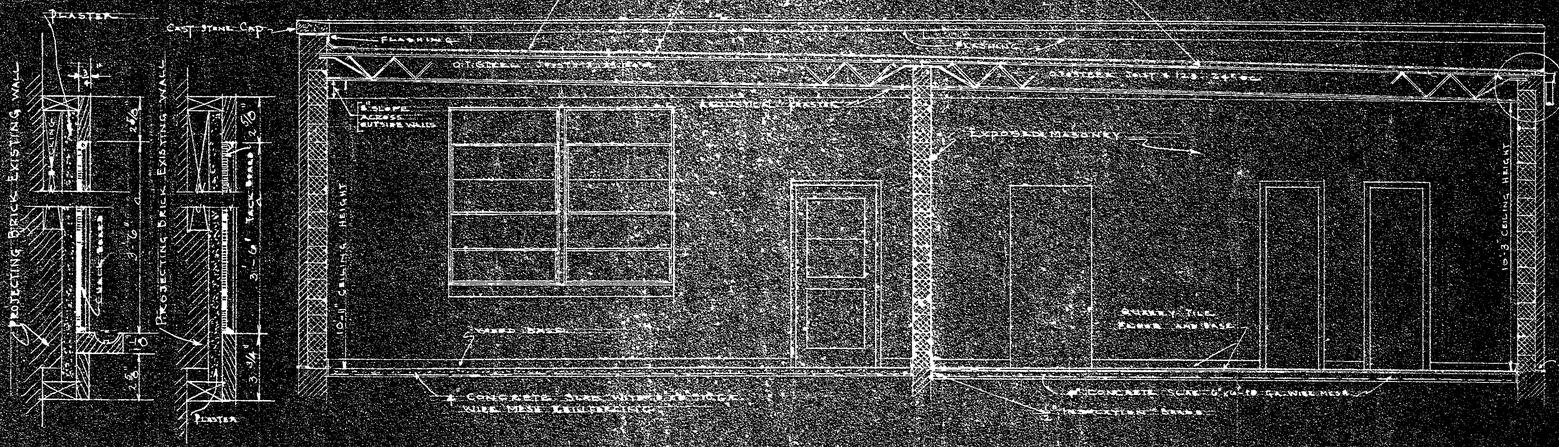
SECTION A-A



SECTION B-B

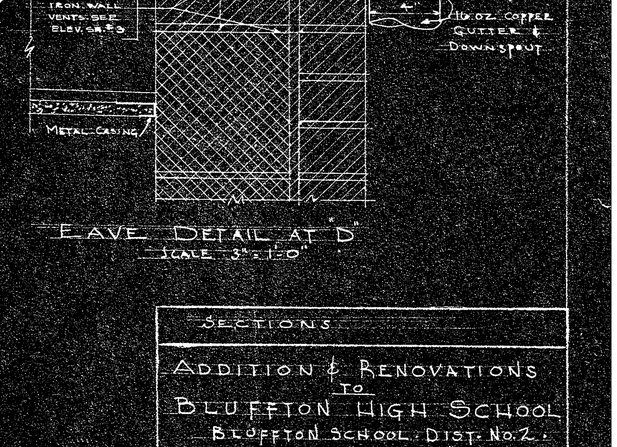


DETAIL AT PARAPET
SCALE 1 1/2" = 1'-0"



SECTION C-C
SCALE 3/16" = 1'-0"

DETAILS OF CHALK BOARD & TACK BOARD
SCALE 3" = 1'-0"



EAVE DETAIL AT D"
SCALE 3" = 1'-0"

SECTIONS

ADDITION & RENOVATIONS TO BLUFFTON HIGH SCHOOL
BLUFFTON SCHOOL DIST. NO. 2.
BLUFFTON, S.C.

DRAWN BY	HALSEY & CUMMINGS ARCHITECTS	SHEET NO. 4
CHECKED	WILLIAM HARLESTON, ASSOCIATE	
REVISED	CHAMPNEY ALLEY AT EXCHANGE ST. CHARLESTON 3, S. C.	DATE Sept. 28, 1952