10"CHILLED WATER (BY HEATING CONTR.)
2" DRAIN FROM REFRIG. UNIT
2" FILL FOR CHILLED WATER SYSTEM
F.D.
BELOW SLAB
4" VENT
4" GAS
6" VENT
¾" BLOW-OFF PLUGGED COCK AT BOTTOM OF RISER
To SAN. SEWER INV. EL. 973.6'
Q"CW TO FUT. LAUNDRY
4'-8" Sq. x 7'-0" DEEP SUMP
DOOR HEIGHT 8'-3½"
ELECTRICAL EQUIPMENT
FIRE HOSE CABINET
EMERGENCY GENERATOR (BY ELECTRICAL CONTR.)
JOCKEY PUMP
FIRE PUMP 20
MOTOR STARTER
AIR CHAMBER 8"D. x 30"Lg.
FLOOR ELEV 964'-0"
1"HG
1"CW UP
C.O.
4"FL
4"CW
STAIRS NO. 1
PUMP OUT UNIT
2" FROM SINK IN TORCH ROOM
ELEV. 963'-0"
4" GAS UP
4"FL UP
4" VENT UP
3" DRAIN FROM BLOW-OFF TANK
4" FROM P-16 CHEMICAL FEED SYSTEMS (SEE ALSO SH. M-16 & M-17)
3" FROM P-12
FOR CONT. SEE SH. M-1
BOILER WATER TREATMENT (BY HEATING CONTR.)
FEED WATER TREATMENT (BY HEATING CONTR.)
CONDENSATE WATER TREATMENT (BY HEATING CONTR.)
HOT WATER CIRCULATING PUMPS (BY HEATING CONTR.)
MOTOR CONTROL CENTER (BY ELECTRICAL CONTR.)
FIRE HOSE CABINET 3"CSW
AT CEILING OF BASEMENT
4"FL UP
1"C.W. UP
4"CW TO FUTURE LAUNDRY
2" BRINE
SEE DETAIL "A" SH. P-4
2"CW TO FUTURE LAUNDRY
BRINE TANK
SOFTENER
SOFTENER
FUTURE SOFTENER
2" OVERFLOW
2" BRINE
SEE DETAIL "A" SH. P-4
4" HW TO FUTURE LAUNDRY
CONDENSATE PUMP BY HTG. CONTR.
STAIRS NO. 2
125" WATER HEATER
C.S.W.
3" 125" HW TO LAUNDRY (FUTURE)
RECIRC. PUMP (P-25)
(SH. P-4)
125" WATER HEATER
180" WATER HEATER
RECIRC. PUMP (P-24)
180" WATER HEATER (FUTURE)
1"HG
½" DOWN TO EYE-WASH POINT FOR OPR. 1½" QUICK-OPENING VALVE
SAFETY SHOWER (P-21)
4"CSW
4"CSW
8" DRAIN
BELOW SLAB
AIR COMPRESSOR
¾" AIR
¾" AIR
4"CW TO COOLING TOWER FOR COND. SEE SITE PLAN
ACID FEED PUMP
PIPE TO DRAIN
SAFETY VALVE
PNEUMATIC TANK & BYPASS
BOOSTER PUMPS
P-17
P-18
P-19
8"CW
6"CW
6"HWR
METER PIT
METER
4" GAS
4" VENT
EL 978'-0"
DUCT
6" GAS
EL 971'-0"
6"CW TO FUTURE HOSPITAL ℄ EL 978'-0"
8"FL ℄ EL 971'-0"
6" PUMP DISCHARGE
6" WASTE
SUMP
EL 966'-0"
SECTION ⑧-Ⓔ
EL 966'-0"
SECTION Ⓓ-Ⓔ
EL 968'-0"
36" COND. WATER LINES
EL 978'-6"
EL 965'-6"
FUTURE 180" WATER HEATER
180" WATER HEATER
125" WATER HEATER
125" WATER HEATER
8"CW
6"CW
4"CW
8"CW
TO FD.
EL 964'-0"
SECTION Ⓖ-Ⓕ
FLOOR ELEV 966'-0"
BELOW SLAB
BELOW FIRST FLOOR SLAB
4" VENT
4" VENT UP
F.D. INVERT ELEV. 965'-0" WITH 2" PIPE RISER
ASH PIT
ASH PIT
5"CW UP
1"HG
4"CW UP
4" VENT UP
BACKWATER VALVE
FOOTING DRAIN BY OTHERS
10" RISE UP
6'-0" Sq. x 7'-0" DEEP FOOTING DRAIN SUMP
To STORM SEWER INV. EL. 969.0'
4" CONCRETE PIPE GRATING T. STEEL BAR
SUMP SUMP
C.I. DISCHARGE PIPE UP TO 1st FLOOR.
SECTION Ⓑ-Ⓕ
EL 978'-6"
EL 975'-10"
8"CW
EL 973'-0"
8"CW
EL 971'-6"
8"CW
8" BYPASS
EL 974'-0"
12"CSW
TANK EL 971'-6"
FOR SADDLE DETAIL SEE SH. P-6
EL 964'-0"
4" F.D.
SECTION Ⓒ-Ⓔ
FIRST FL. EL. 979.0'
EL 976'-4"
EL 974'-2½"
2"CW
½"CW
2" OVERFLOW
4"CW
BRINE STORAGE TANK
GROUND FL. EL. 960.0'
2" BRINE
2'-0"
1'-8"
8'-10"
SECTION Ⓐ-Ⓔ

PLUMBING LEGEND

	SOIL OR WASTE
	VENT
	COLD WATER
	HOT WATER
	RECIRCULATING HOT WATER
CSW	COLD SOFT WATER
A	AIR
G	GAS
C.F.	CHEMICAL FEED
FD	FLOOR DRAIN
RD	ROOF DRAIN
RL	ROOF LEADER
FL	FIRE LINE
FH	FIRE HYDRANT
WH	WALL HYDRANT
	ELBOW (UP, DOWN, SIDE)
	TEE (UP, DOWN, SIDE)
	GATE VALVE
	CHECK VALVE
HG	HOSE GATE VALVE
CO	CLEAN-OUT
DD	OPEN DRIP-TYPE DRAIN
HV	HEATING VENT

WAS P-1 [illegible]
PROCTOR INGELS & ASSOCIATES
Arnold L. Brown
April 15, 1965

APPROVALS
UNIVERSITY OF KENTUCKY
BY _____ TITLE _____ DATE _____
BY _____ TITLE _____ DATE _____
COMMONWEALTH OF KENTUCKY
BY _____ DATE _____
BY _____ TITLE _____ DATE _____

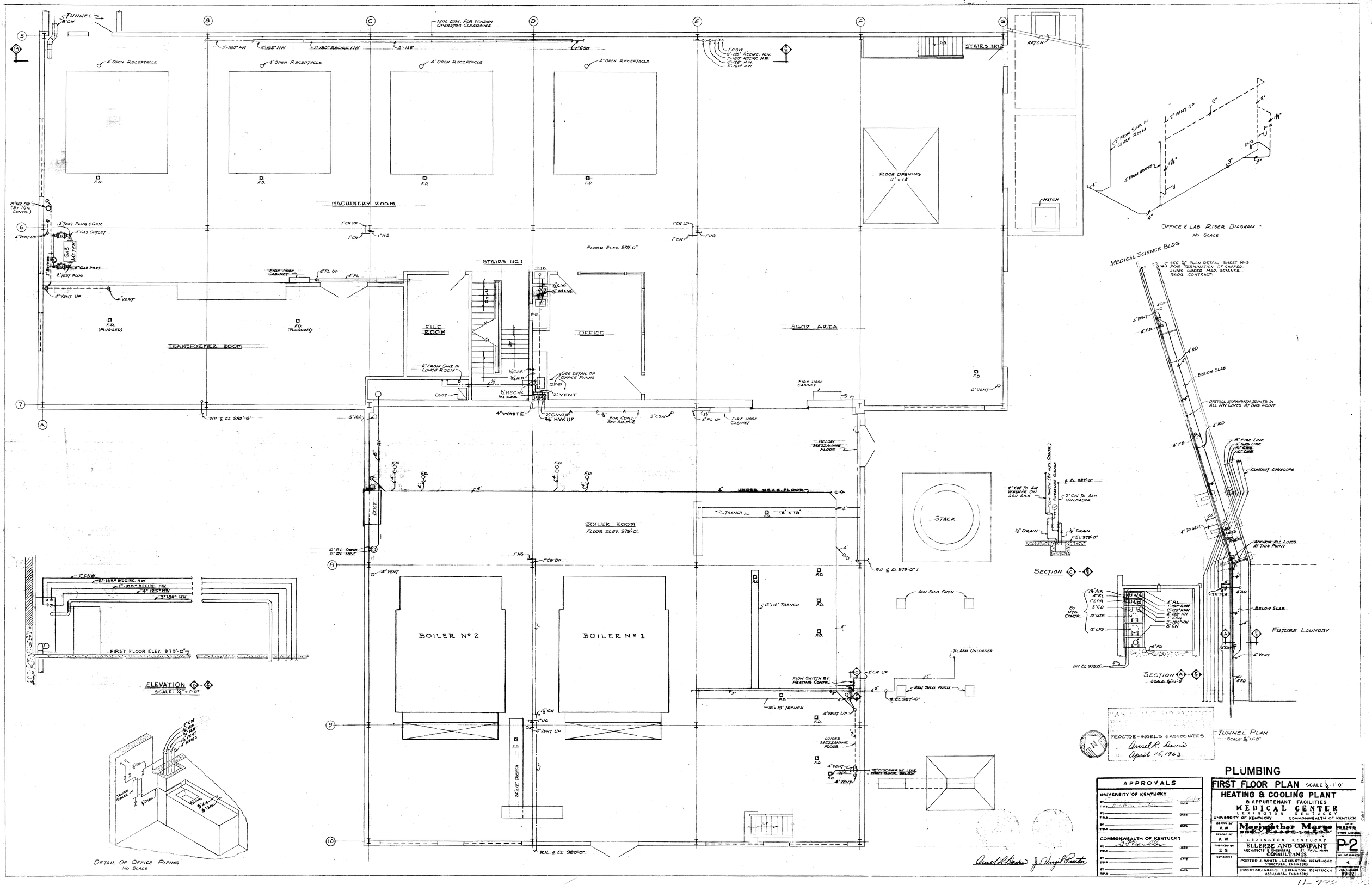
Arnold L. Brown J. Virgil Proctor

PLUMBING
BASEMENT FLOOR PLAN SCALE ¼"-1'0"
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCKY

DRAWN BY A.W.	Mesinger, Thor, Marye and Associates
TRACED BY E.S.	LEXINGTON KENTUCKY
CHECKED BY E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
	PROCTOR INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS

FEB. 21 1965 SHEET NUMBER P-1
NO. OF SHEETS 4
JOB NUMBER 6998

U-771



PLUMBING

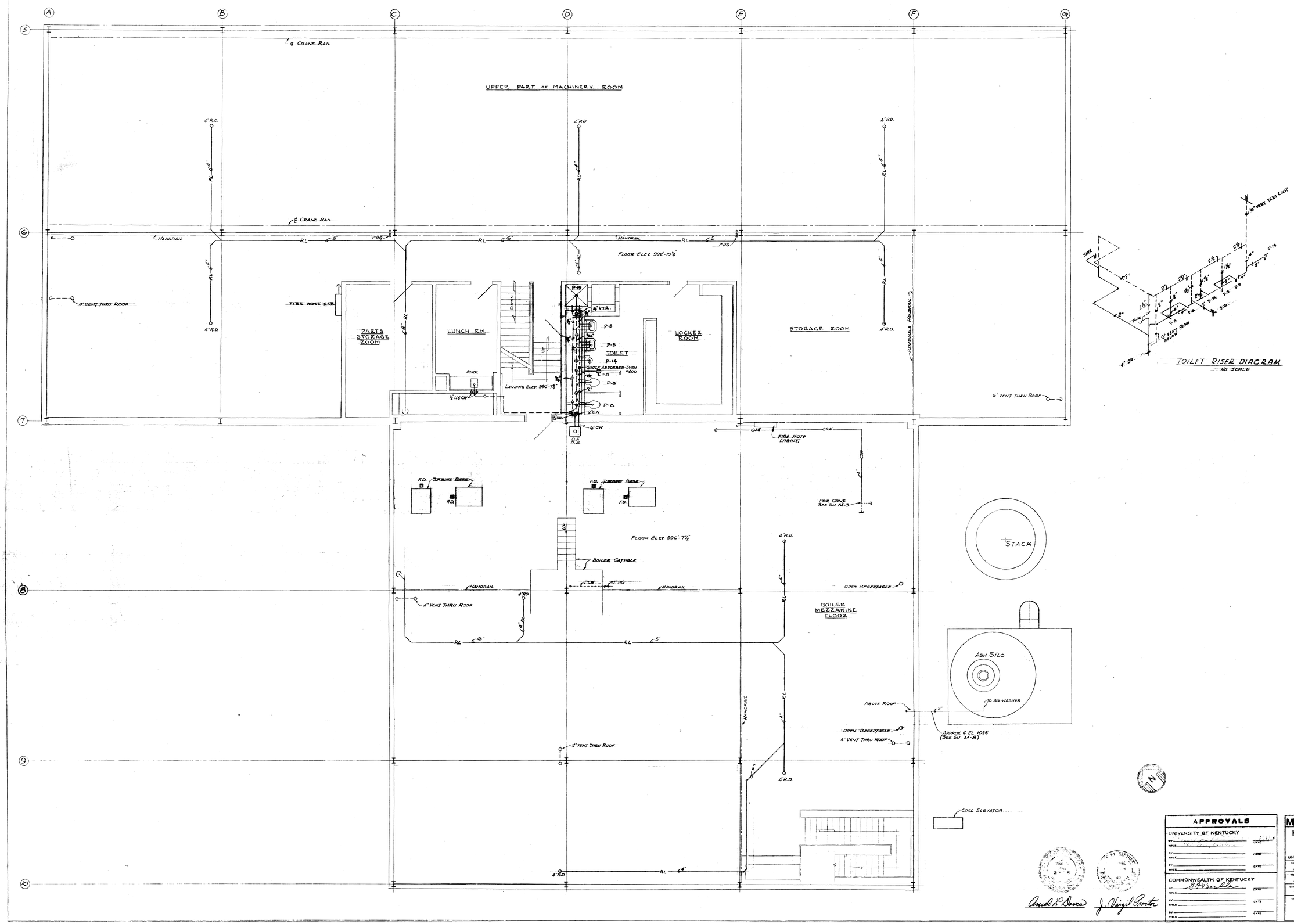
FIRST FLOOR PLAN SCALE 1/4" = 1'-0"

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCK

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	

DRAWN BY A W	Merriweather Marye Associates	DATE FEB 24 1961
TRACED BY A W	LEXINGTON KENTUCKY	SHEET NUMBER P-2
CHECKED BY E S	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 4
REVISIONS	PORTER J. WHITE - LEXINGTON KENTUCKY STRUCTURAL ENGINEERS	JOB NUMBER 8902
	PROCTOR-INGELS LEXINGTON KENTUCKY MECHANICAL ENGINEERS	

U-792



TOILET RISER DIAGRAM
NO SCALE

PROCTOR - INGELS & ASSOCIATES
Arnold L. Davis
April 15, 1963

Arnold L. Davis
J. Virgil Proctor

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY G F Bechler	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	

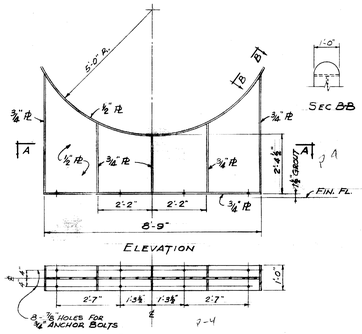
PLUMBING

MEZZANINE FLOOR PLAN SCALE 1/4"=1'

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCKY

DRAWN BY A W	Merimether, Marye & Associates LEXINGTON, KENTUCKY	DATE FEB 24 19
TRACED BY A W		SHEET NUM. P-3
CHECKED BY E S	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 4
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	JOB NUMBER 3902
	PROCTOR INGELS LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	

U-793



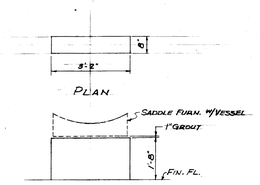
PNEUMATIC TANK SADDLE DETAIL

SCALE: 1/2" = 1'-0"

3 REQ'D

NOTES:

1. ALL WELDED CONSTRUCTION
2. DO NOT WELD SADDLE TO TANK.
3. ALSO SEE SH. S-1



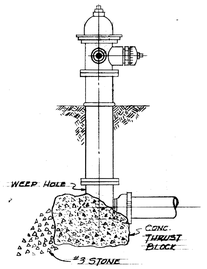
WATER HEATER SUPPORT DETAIL

SCALE: 1" = 1'-0"

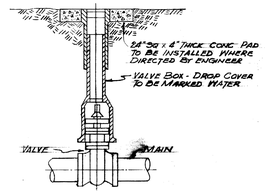
8 REQ'D

NOTES:

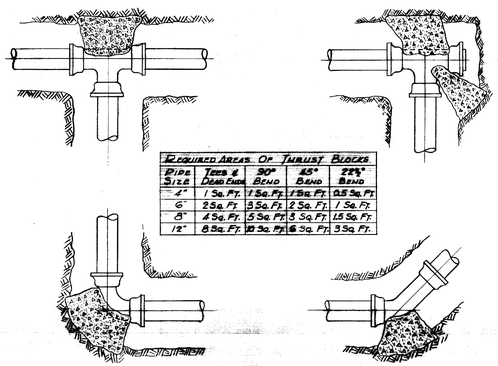
1. REINFORCE IN FIELD.
2. LOCATE ANCHOR BOLTS IN FIELD.
3. ALSO SEE SH. S-1



FIRE HYDRANT



VALVE & BOX

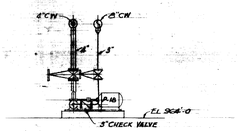


REQUIRED AREAS OF THRUST BLOCKS

PIPE SIZE	TEES & DEAD ENDS	90° BEND	45° BEND	22½° BEND
4"	1 Sq. Ft.	1 Sq. Ft.	1 Sq. Ft.	0.5 Sq. Ft.
6"	2 Sq. Ft.	3 Sq. Ft.	2 Sq. Ft.	1 Sq. Ft.
8"	4 Sq. Ft.	5 Sq. Ft.	3 Sq. Ft.	1.5 Sq. Ft.
12"	8 Sq. Ft.	10 Sq. Ft.	6 Sq. Ft.	3 Sq. Ft.

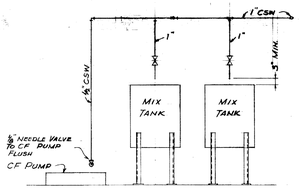
THRUST BLOCK DETAILS

NO SCALE



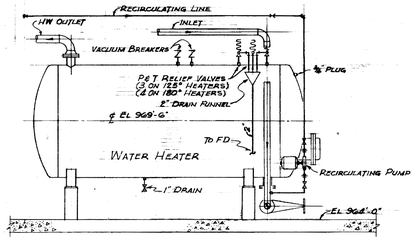
SECTION (E)-(F)

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



SECTION (G)-(H)

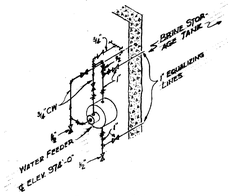
NO SCALE



SECTION (H)-(E)

NO SCALE

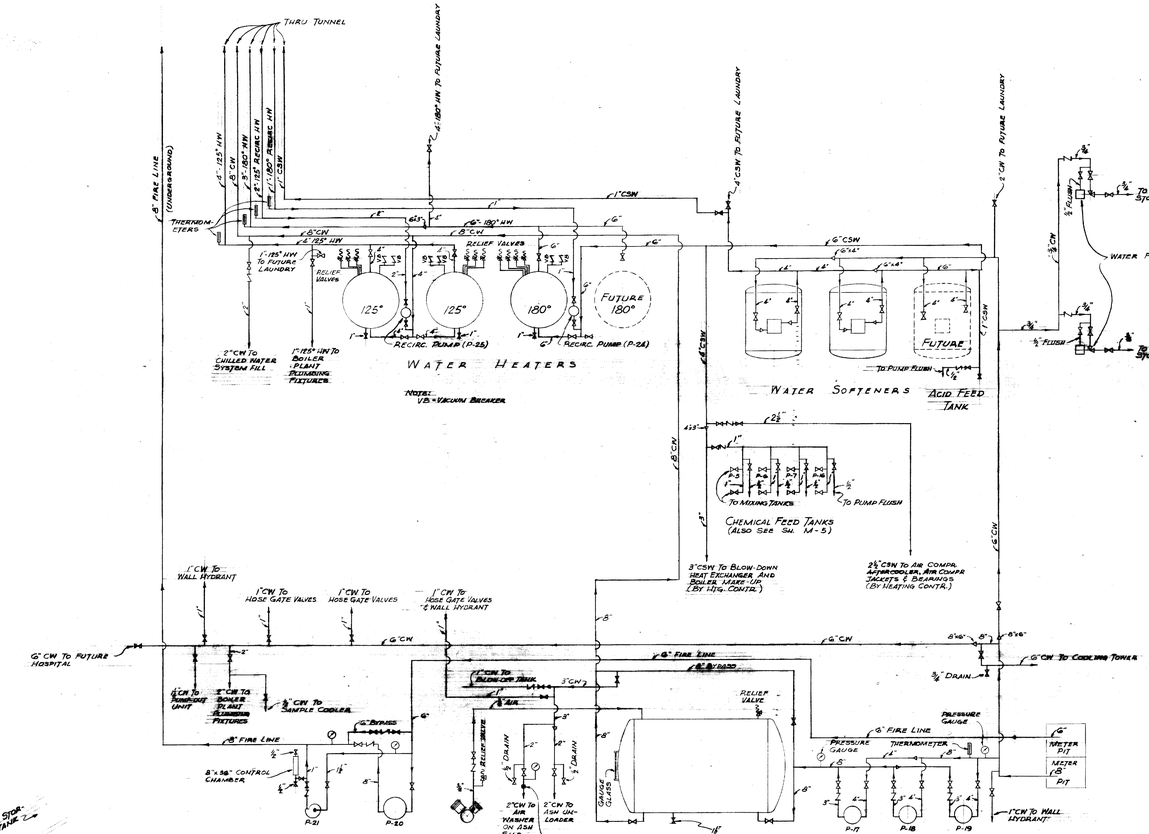
NOTE:
THIS SECTION IS TYPICAL FOR 180° AND 125° WATER HEATERS



DETAIL "A"
WATER FEEDER PIPING

NO SCALE

(SEE SH. P-1)



WATER FLOW DIAGRAM

NO SCALE

PROCTOR-INGELS & ASSOCIATES
Ansel L. Davis
April 15 1963

APPROVALS

UNIVERSITY OF KENTUCKY

BY _____ DATE 5/14/58
TITLE _____
BY _____ DATE
TITLE _____
BY _____ DATE
TITLE _____

COMMONWEALTH OF KENTUCKY

BY _____ DATE
TITLE _____
BY _____ DATE
TITLE _____
BY _____ DATE
TITLE _____

STATE OF KENTUCKY — ANSEL L. DAVIS 2716 — REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY — J. VIRGIL PROCTOR 40 — REGISTERED PROFESSIONAL ENGINEER

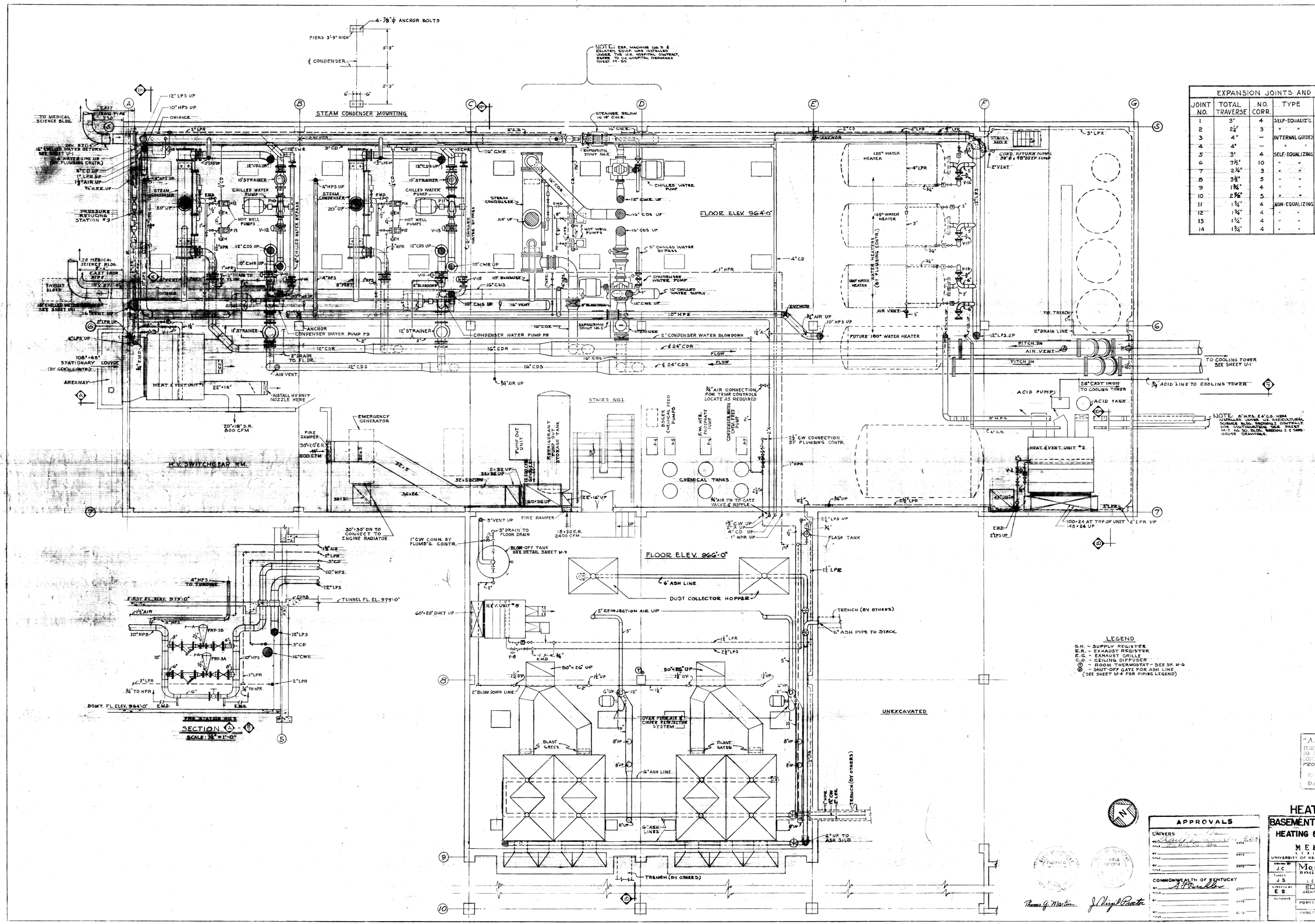
Ansel L. Davis J. Virgil Proctor

PLUMBING DETAILS — SCALE-NOTED

HEATING & COOLING PLANT & APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY A.W.	Meriwether, Marye & Associates	DATE FEB. 24, 1958
TRACED BY A.W.	ARCHITECTS & ENGINEERS LEXINGTON, KENTUCKY	SHEET NUMBER P-4
CHECKED BY E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 4
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NO. NO. 8902

U-774



EXPANSION JOINTS AND GUIDES						
JOINT NO.	TOTAL TRAVERSE	NO. CORR.	TYPE	PIPE SIZE	ANCHORS REQ'D.	GUIDES REQ'D.
1	3"	4	SELF-EQUALIZ'G.	10"	YES	YES
2	2¼"	3	" "	12"	YES	YES
3	4"	—	INTERNAL GUIDED	1"	YES	YES
4	4"	—	" "	1"	YES	YES
5	3"	4	SELF-EQUALIZING	10"	YES	YES
6	7½"	10	" "	10"	YES	YES
7	2¼"	3	" "	12"	YES	YES
8	3½"	5	" "	12"	YES	YES
9	1¾"	4	" "	3"	YES	YES
10	2⅝"	5	" "	3"	YES	YES
11	1¾"	4	NON-EQUALIZING	4"	NO	NO
12	1¾"	4	" "	4"	NO	NO
13	1¾"	4	" "	3"	NO	NO
14	1¾"	4	" "	3"	NO	NO

LEGEND

S.R. - SUPPLY REGISTER
E.R. - EXHAUST REGISTER
E.G. - EXHAUST GRILLE
C.D. - CEILING DIFFUSER
T - ROOM THERMOSTAT - SEE SH. M-6
SO - SHUT-OFF GATE FOR ASH LINE
(SEE SHEET M-4 FOR PIPING LEGEND)

"AS-BUILT DRAWING"
THIS DRAWING IS BEING PROVIDED TO ENTER THE CONTRACT RECORDS
PROCTOR - INGELS & ASSOCIATES
By: Ansel L. Davis
Date: April 15, 1963

APPROVALS

UNIVERS
BY: [signature] DATE: 4/2/63
TITLE: Plant Mech. Eng. Mgr.
BY: DATE:
TITLE:
BY: DATE:
TITLE:

COMMONWEALTH OF KENTUCKY
BY: A. F. Bichler DATE:
TITLE:
BY: DATE:
TITLE:
BY: DATE:
TITLE:

Thomas G. Martin
J. Virgil Proctor

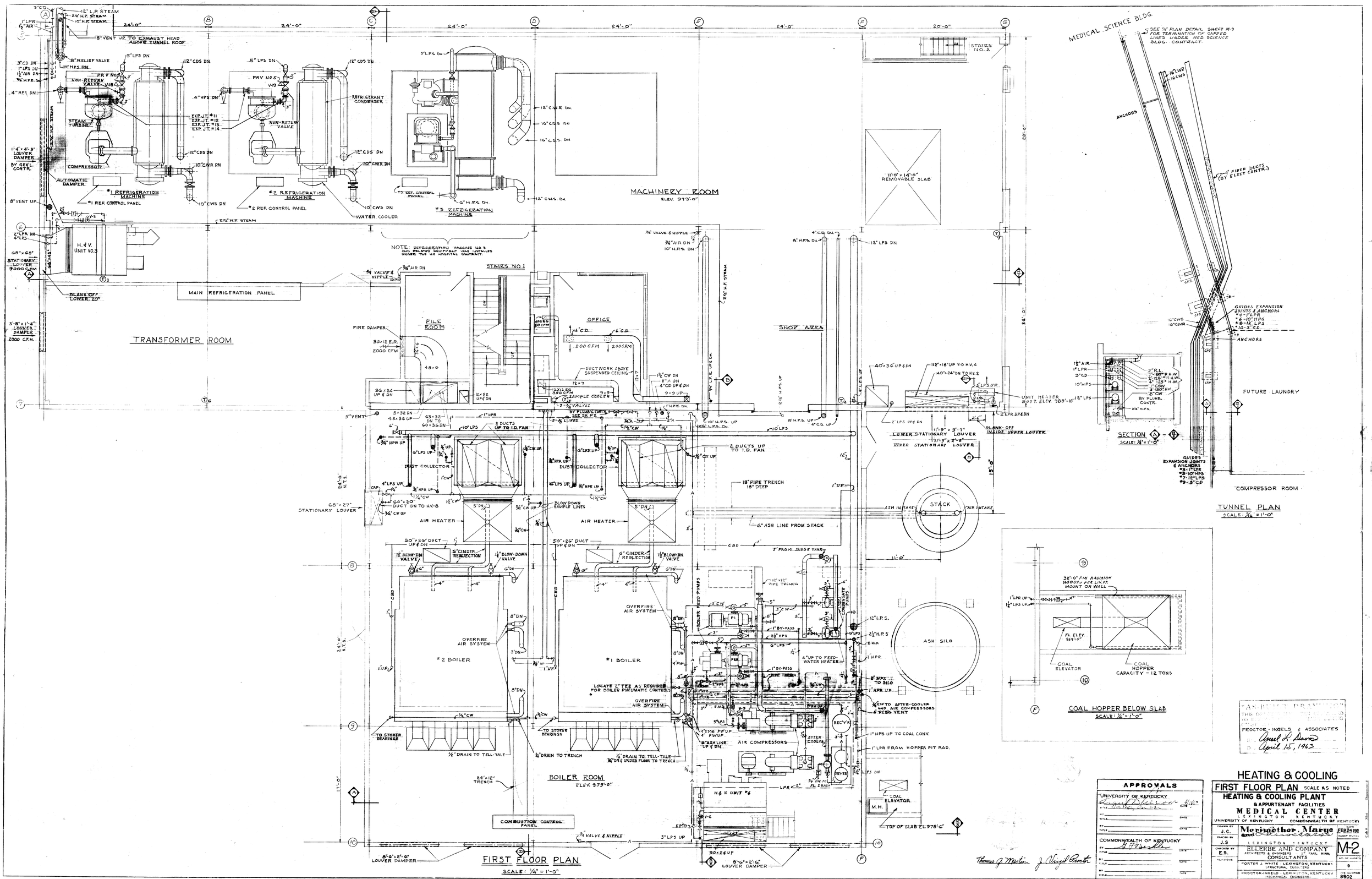
HEATING & COOLING

BASEMENT FLOOR PLAN SCALE 1/4"=1'-0"

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY J.C.	Meriwether, Marye and Associates	DATE FEB 24 1956
TRACED J.S.	LEXINGTON, KENTUCKY	M-1
CHECKED BY E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 9
REVISIONS	PORTER J. WHITE LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-INGELS LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8902

U-795



"AS-BUILT DRAWING"
THIS DRAWING IS BEING ISSUED TO THE OWNER FOR THE PROCTOR-INGELS & ASSOCIATES
By Ansel L. Davis
Date April 15, 1963

APPROVALS

UNIVERSITY OF KENTUCKY
Ansel L. Davis
BY
TITLE
DATE

COMMONWEALTH OF KENTUCKY
G. F. Heller
BY
TITLE
DATE

Thomas G. Martin J. Virgil Proctor

HEATING & COOLING

FIRST FLOOR PLAN SCALE AS NOTED

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCKY

DRAWN BY J.C.	Merimother, Marye and Associates	DATE FEB 24 1965
TRACED BY J.S	LEXINGTON KENTUCKY	SHEET NUMBER M-2
CHECKED BY E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL MINN. CONSULTANTS	NO. OF SHEETS 9
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8902

U-796

UPPER PART — COMPRESSOR ROOM

EF 5
40½"×40½" OPENING IN ROOF

EF 4
33"×33" OPENING IN ROOF

8" VENT

HANDRAIL

MONORAIL

MEZZANINE LEVEL
ELEV. 992'-10⅝"

BULK STORAGE

EF 3
33"×33" OPENING IN ROOF

EF-7
67.8" DUCT THRU ROOF

EF 12
16X16 DUCT THRU ROOF

PARTS STORAGE

LUNCH ROOM

36 x 36 THRU ROOF

14X8 E.R. 300 CFM

EF-1

39"×39" DUCT THRU ROOF

16X22 DN.

36X24 DN.

45×36

36X36 DN.

6X8 E.R. 50 CFM

24X8 S.R. 225 CFM

LOCKER ROOM

TOILET ROOM

12X12 E.R. 400 CFM

EF 6
12X12 DUCT THRU ROOF

24X8 S.R. 225 CFM

DAMPER

H & V UNIT #5

15"×15" DUCT THRU ROOF

STORAGE

REMOVABLE HANDRAIL

EF 2
39"×39" DUCT THRU ROOF

V-4

H & V UNIT #4

BOTT. OF UNIT ELEV. 996'

V-5

4"LPS DN.

6" H.P.S. DN.

40×36 DN.

40×36

2"LPS DN

2"LPS DN
2"LPR DN

112"×18" DN

EXPANSION JOINT

4"CD DN

10"HPS DN

8½" H.P.S. DN.

4"CD

4"CD DN

EXPANSION JOINT

3"HPS

4"HPS

3"HPR DN

6"LPS DN

TO DRAIN

¾"CW DN

¾"HW DN

¾"HPR DN

¾"CD DN

¾"EMD

2"HPS EMD

2"LPS DN

2"CD DN

¾"DNU

¾"CW DN

¾"HW DN

¾"HPR DN

¾"CD DN

¾"EMD

2"LPS DN

¾"DNU

3"HPS

4"HPS

3"HPS

4"HPS

3"HPS

4"HPS

FROM MEDICAL SCIENCE BLDG.
1" LP DRIP
880#/HR
LPR
CD
130 GPM
TO MEDICAL SCIENCE BLDG 22,000#/HR
LPS
2,185#/HR FIRST STAGE EXTRACTION
PRV-4
NON-RETURN VALVE
CONDENSER
AIR EJECTORS
P-12
P-13
HOT WELL PUMPS
14,600#/HR
300#/HR
165 GPM
PRV-5
35 GPM
NON-RETURN VALVE
P-14
P-15
200 GPM
3160 #/HR FIRST STAGE EXTRACTION
PRV
64#
50 GPM
2400#/HR (FUT.)
FUTURE COMPRESSOR
17,500#/HR (FUT.)
8" BYPASS
PR-3A
PR-3B
PRESSURE REDUCING STATION NO. 3
HPS
TO MEDICAL SCIENCE BLDG 84,900#/HR
REFRIGERATION COMPRESSOR NO.1
REFRIGERATION COMPRESSOR NO.2
REFRIGERATION COMPRESSOR NO. 3
NOTE: INSTALLED UNDER U.K. HOSPITAL CONTRACT
2" LINE FOR FUTURE LAUNDRY 300#/HR
880#/HR
250#/HR
4" RISER
HV-1
630#/HR
HV-3
2"
LPR
FUTURE FAN TURBINES
F.D. FAN NO. 2
1550#/HR
I.D. FAN NO. 2
5000#/HR
F.D. FAN NO. 1
I.D. FAN NO. 1
6,650#/HR (FUTURE)
R.C.P.H.W. THRU TUNNEL TO HOSPITAL
A.C.H.W.R. TO SCIENCE/MEDICAL BLDGS
780#/HR
HV-6
HV-7
4" BYPASS
PRV-1C
PRV-1B
STATION NO.1 14,600#/HR 250±2 PSIG
16" HEADER
1" FOR FUTURE BLR
CD
TO DRAIN
CW MAKEUP BY P/S CONTR.
4" DRAIN
PRV-2A
PRV-2B
PRV STATION NO.2 14,600#/HR 250±2 PSIG
FUTURE HEATER
1" VENT
1" FOR FUTURE PUMP
DEAERATING FEED WATER HEATER
GAUGE GLASS
LEVEL CONTROL
5" OVERFLOW TO DRAIN
FW
CW
FOR FUTURE B.F.
MIN. BYPASS ORIFICE
140 GPM
CONDENSATE TRANSFER PUMPS
5" FOR FUTURE PUMP
8" FOR FUTURE BOILER
NON-RETURN VALVE
BOILER NO.3 (FUTURE)
BOILER NO.2
BOILER NO.1
FW FLOW METER ORIFICES
180 GPM (FUT.)
280 GPM
ENERG. FW
BOILER FEED PUMP TURBINE
AIR COMPRESSOR TURBINE
2,680#/HR
2,420#/HR
REMOVABLE SPOOL PIECE
HPS
5" VENT
GAUGE GLASS
1" CW BY P/S CONTR
3" TO DRAIN
BLOW-OFF TANK
1" FOR FUTURE BOILER
1" TO DRAIN
1" CW BY P/S CONTR
SAMPLE COOLER
60 GPM 14,900#/HR
4" 12,385#/HR
P-24
P-23
2" VENT
CONDENSATE PUMPS
527 GPM
125° WATER HEATER
2,480#/HR
120° WATER HEATER
2,480#/HR
180° WATER HEATER
4,080#/HR
180° WATER HEATER (FUTURE)
4,080#/HR
10,320#/HR
10,440#/HR
8,160#/HR
2,385#/HR
HV-2
925#/HR
630#/HR
295#/HR
UNIT HEATER
HV-4
925#/HR
310#/HR
HV-5
1,210#/HR
1,120#/HR
H.P. DRIPS
FLASH TANK
HV-8
810#/HR
HPR
ASH SILO EXHAUSTER
TRACER IN COAL CONVEYOR
AT CONVEYOR
AT OPERATING FLOOR
53#/HR
2,575#/HR
FINNED RADIATOR IN COAL HOPPER PIT
303 GPM
70 GPM (NORMAL)
OVERFLOW
SURGE TANK
GAUGE GLASS
3" CW
1" DRAIN
P-2
P-3
4" DRAIN
4" TO DRAIN
4"CW FROM TUBES HOUSE/MEDICAL BLDG

LEGEND

- HPS — HIGH PRESSURE STEAM
- LPS — LOW PRESSURE
- HPR — HIGH PRESSURE RETURN
- LPR — LOW PRESSURE RETURN
- CD — CONDENSATE PUMP DISCHARGE
- CB — CONTINUOUS BLOWDOWN
- BD — BLOW-OFF
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CDS — CONDENSER WATER SUPPLY
- CDR — CONDENSER WATER RETURN
- CW — COLD WATER SUPPLY
- A — COMPRESSED AIR
- CF — CHEMICAL FEED
- FW — FEED WATER

- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- NEEDLE OR FLO-CONTROL VALVE (AS SPECIFIED)
- AUTOMATIC CONTROL VALVE
- PRESSURE REDUCING VALVE
- ANGLE GLOBE VALVE
- SAFETY OR RELIEF VALVE
- CONDENSATE TRAP
- THERMOMETER
- PRESSURE GAUGE
- STRAINER
- BUTTERFLY VALVE - MANUAL
- BUTTERFLY VALVE - AUTOMATIC
- AIR VENT (ELEVATION, PLAN)
- END OF MAIN DRIP
- THERMOMETER WELL

PRESSURE REDUCING VALVES			
VALVE NO.	VALVE SIZE	CAPACITY #/HR.	SET PRESS.
1-A	2"	10,000	13 PSIG
1-B	2"	10,000	12 PSIG
1-C	2"	10,000	11 PSIG
2-A	2"	7,250	12.5 PSIG
2-B	2"	7,250	11.5 PSIG
3-A	3½	31,500	150 PSIG
3-B	2½	28,400	151 PSIG
4	2½	2,185	14 PSIG
5	2½	2,185	14 PSIG

PROCTOR - INGELS & ASSOCIATES
Arnold R. Ingels
April 15, 1963

APPROVALS

UNIVERSITY OF KENTUCKY
BY _____ TITLE _____ DATE
BY _____ TITLE _____ DATE
BY _____ TITLE _____ DATE

COMMONWEALTH OF KENTUCKY
A. H. Holloway
BY _____ TITLE _____ DATE
BY _____ TITLE _____ DATE
BY _____ TITLE _____ DATE

Thomas J. Martin J. Virgil Brewster

HEATING & COOLING FLOW DIAGRAMS

HEATING & COOLING PLANT & APPURTENANT FACILITIES

MEDICAL CENTER

LEXINGTON, KENTUCKY

UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY E.S. | TRACED BY E.S. | CHECKED BY E.S. | REVISIONS

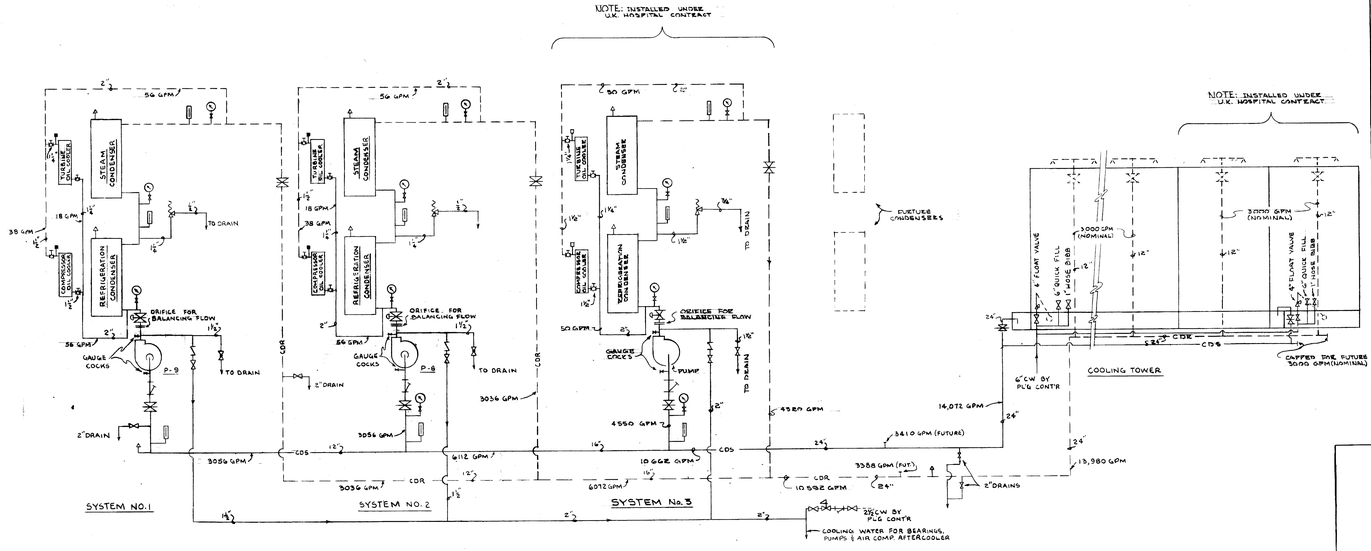
Meriwether Marye and Associates
LEXINGTON, KENTUCKY

ELLERBE AND COMPANY
ARCHITECTS - ENGINEERS - ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY - STRUCTURAL ENGINEERS
PROCTOR-HISELS - LEXINGTON, KENTUCKY - MECHANICAL ENGINEERS

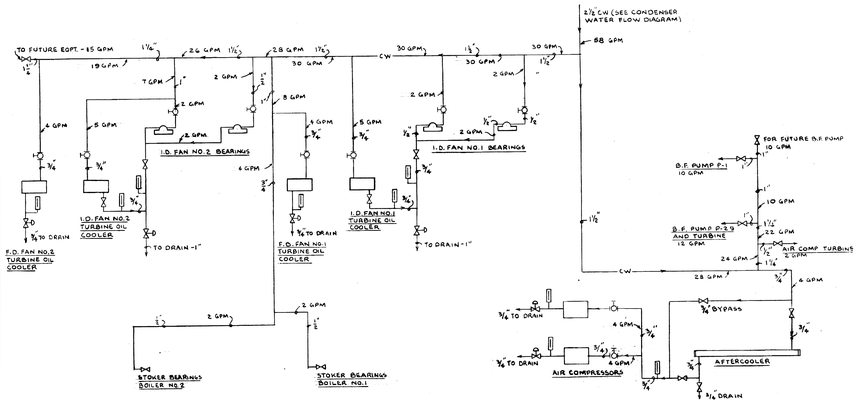
DATE FEB 24 1964 | SHEET NUMBER M-4 | NO. OF SHEETS 9 | JOB NUMBER 6502

STEAM, CONDENSATE, F.W. & BLOWDOWN

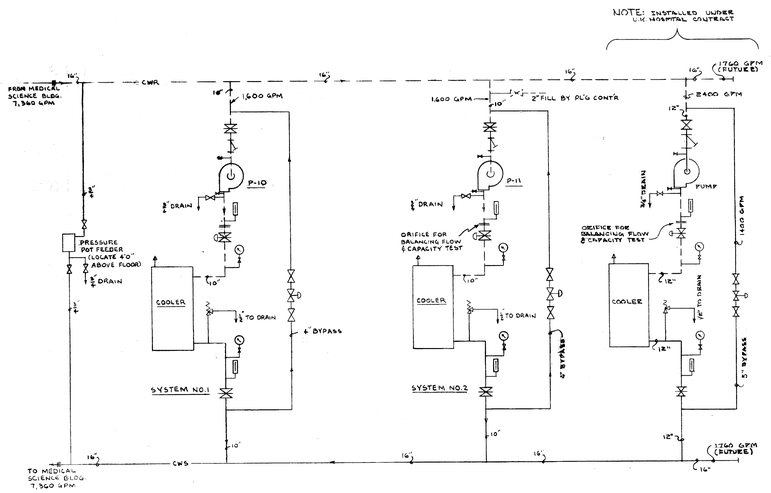
J-178



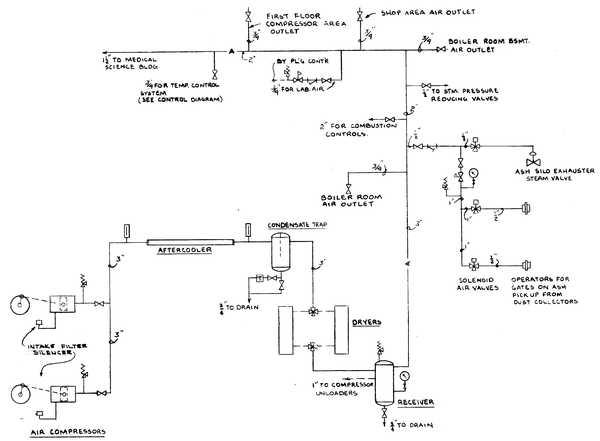
CONDENSER WATER SYSTEM



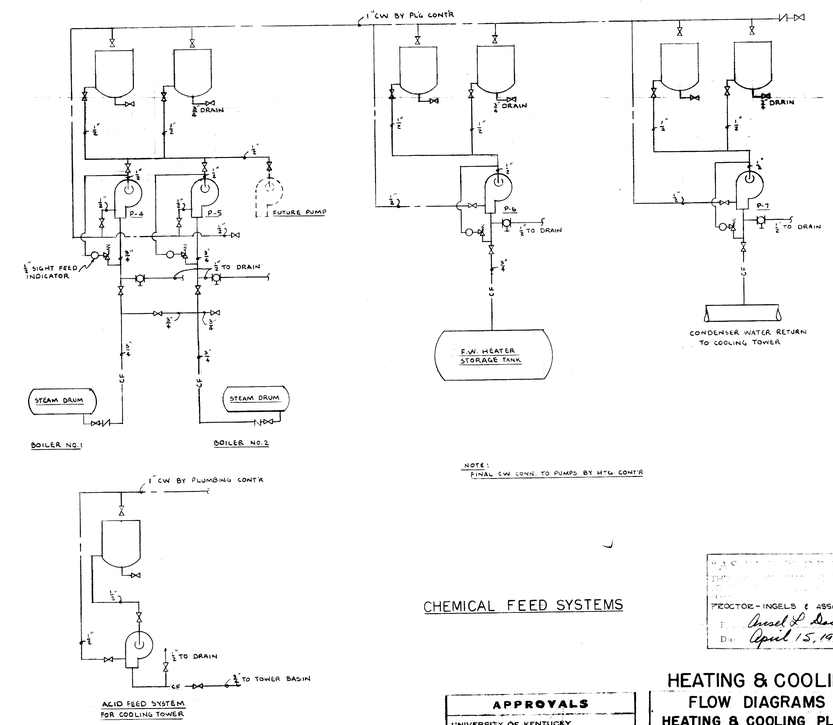
COOLING WATER SYSTEM



CHILLED WATER SYSTEM



COMPRESSED AIR SYSTEM



NOTE: FINAL CW CONN. TO PUMPS BY HTG. CONTR.

CHEMICAL FEED SYSTEMS

NOTE: SEE SHT. M-4 FOR PIPING LEGEND APPLICABLE TO THIS DRAWING.

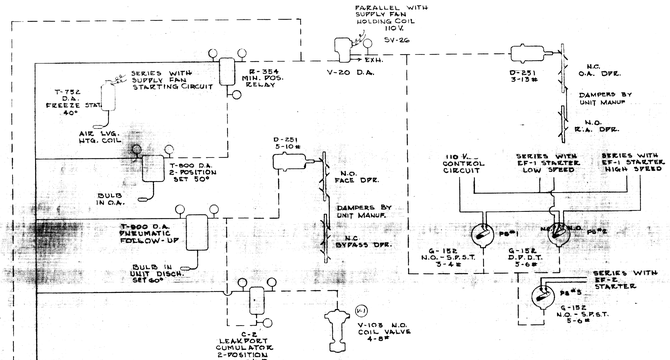
Thomas G. Martin J. Virgil Proctor

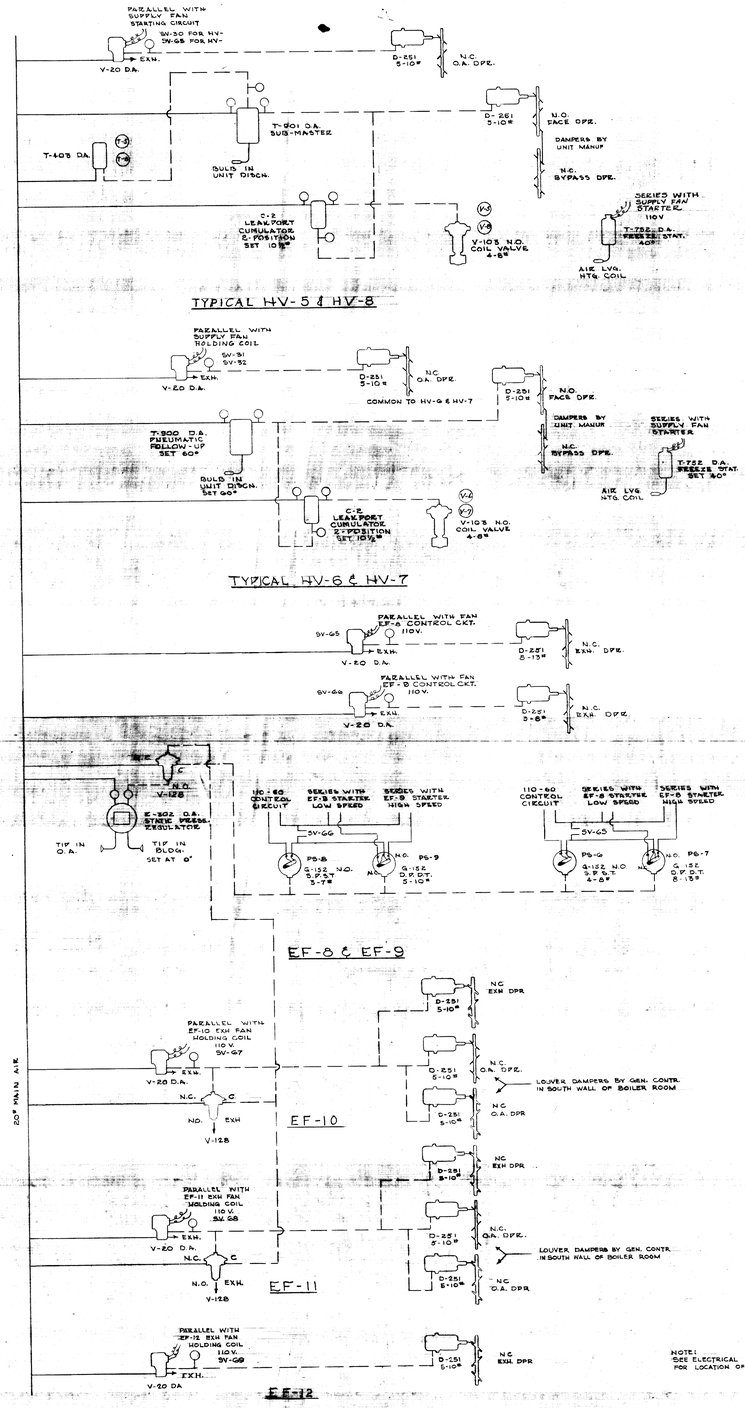
PROCTOR-INGELS & ASSOCIATES
By Ansel L. Davis
Date April 15, 1963

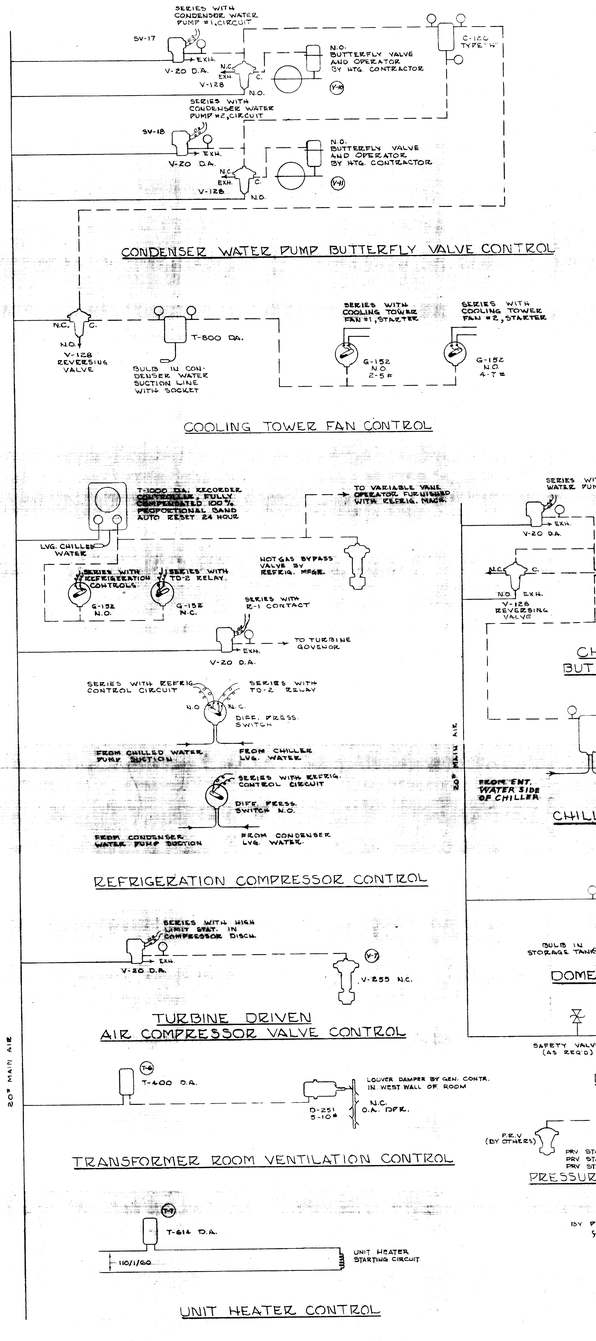
APPROVALS
UNIVERSITY OF KENTUCKY
COMMONWEALTH OF KENTUCKY

HEATING & COOLING FLOW DIAGRAMS
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY E.S. | TRACED BY E.S. | CHECKED BY E.S.
Merimether, Marye and Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS — ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS
DATE FEB 24 1958
SHEET NUMBER M-5
NO. OF SHEETS 9
JOB NUMBER 8902







"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION
TROYER - INGELS & ASSOCIATES
By: Carel K. Davis
Date: April 15, 1963

THOMAS G. MARTIN 2449 REGISTERED PROFESSIONAL ENGINEER STATE OF KENTUCKY

Thomas G. Martin J. Dwight Porter

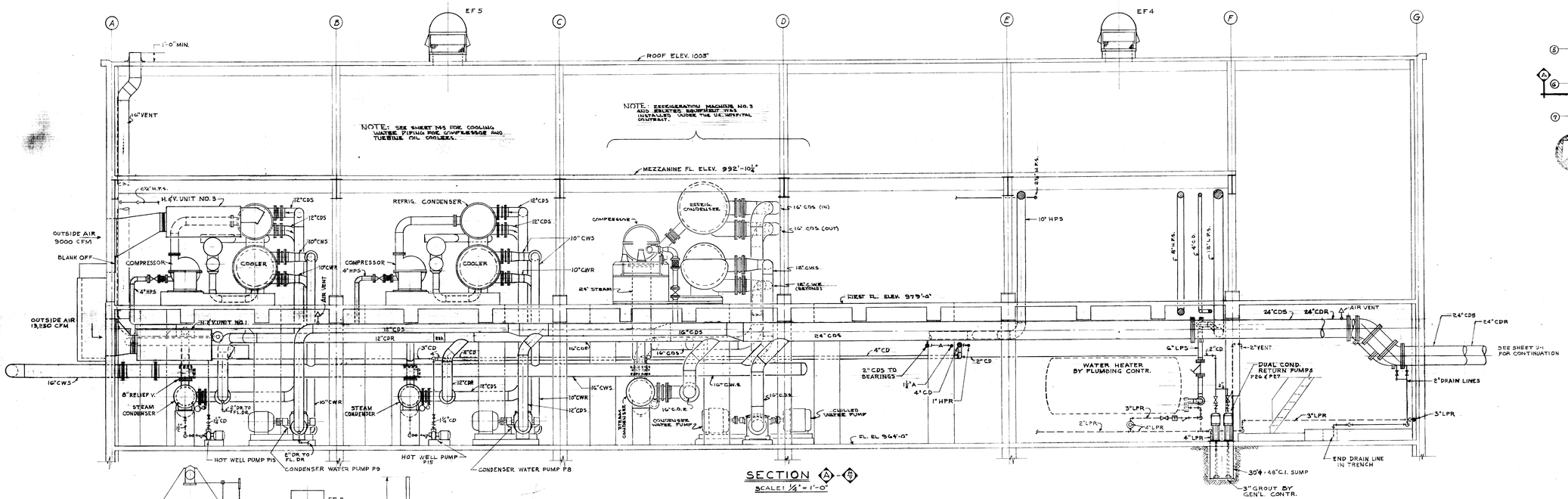
APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	

HEATING & COOLING
TEMPERATURE CONTROL DIAGRAMS
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY
LEXINGTON KENTUCKY

DRAWN BY	T.G.M.	DATE	FEB 21 1958
TRACED BY	T.P.	SHEET NUMBER	M6
CHECKED BY	T.G.M.	NO. OF SHEETS	9
REVISIONS		JOB NUMBER	6902

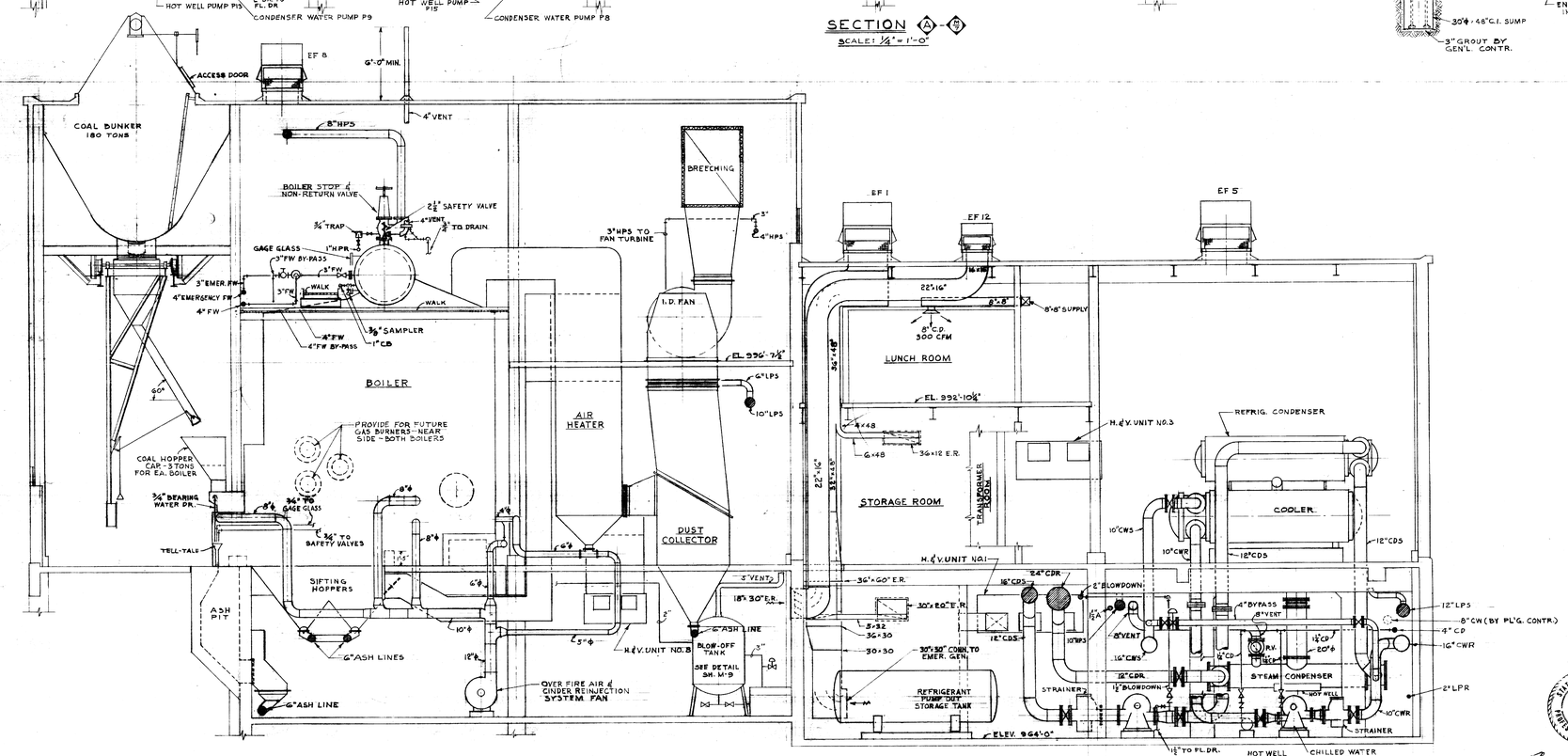
ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS
FORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
PROCTOR & REBELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS

U-800



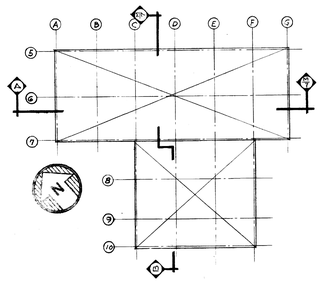
SECTION A-A

SCALE: ¼" = 1'-0"



SECTION B-B

SCALE: ¼" = 1'-0"



KEY PLAN

NO SCALE

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN MODIFIED TO REPRESENT THE WORK AS CONSTRUCTED
PROCTOR-INGELS & ASSOCIATES
Ansel L. Davis
April 15, 1963

HEATING & COOLING

ELEVATIONS SCALE: ¼" = 1'-0"

HEATING & COOLING PLANT & APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY J.C.	Morimothor, Marye	DATE FEB. 24, 1951
TRACED BY J.S.	PROFESSIONAL ENGINEERS LEXINGTON, KENTUCKY	SHEET NUMBER M-7
CHECKED BY E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 9
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8902

STATE OF KENTUCKY THOMAS G. MARTIN 2449 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY J. VIRGIL PROCTOR 49 REGISTERED PROFESSIONAL ENGINEER

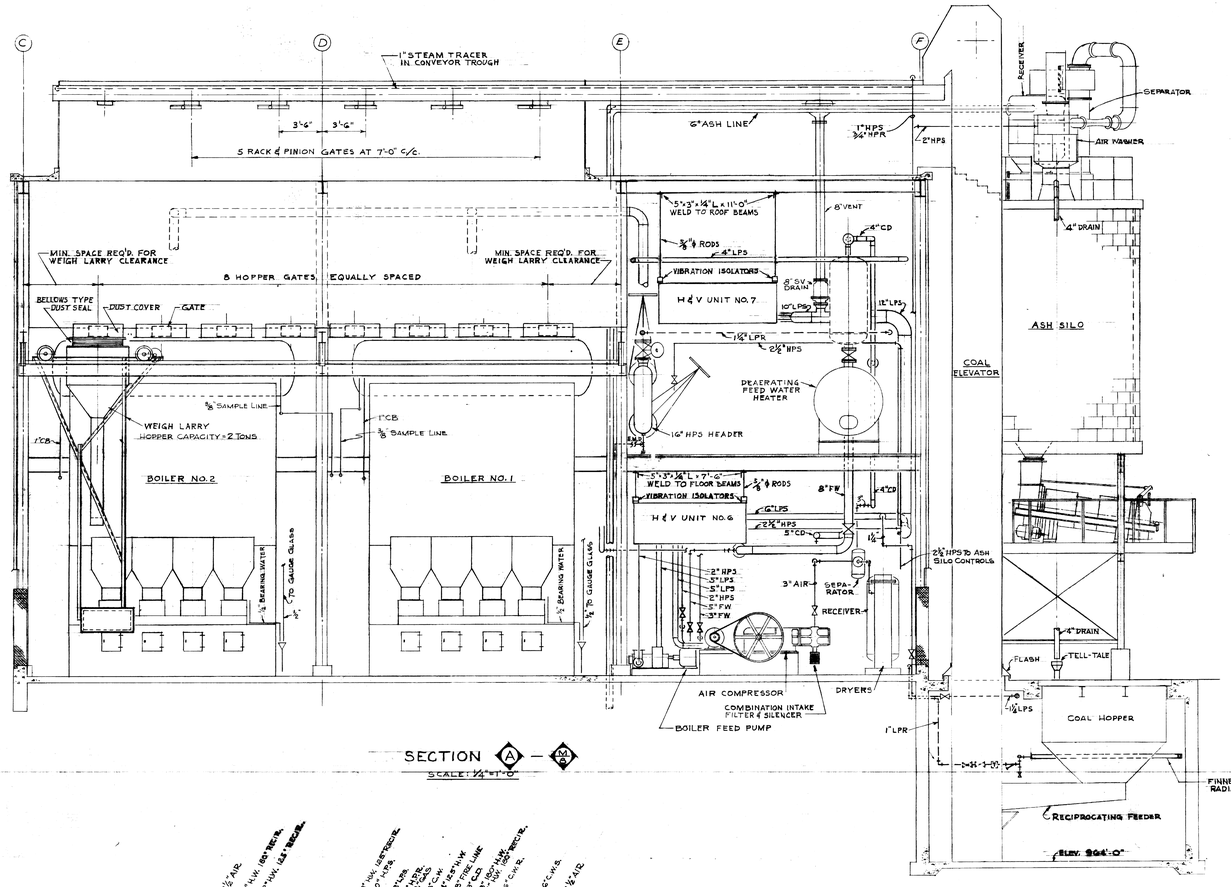
Thomas G. Martin J. Virgil Proctor

APPROVALS

UNIVERSITY OF KENTUCKY
TITLE _____ DATE _____
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____

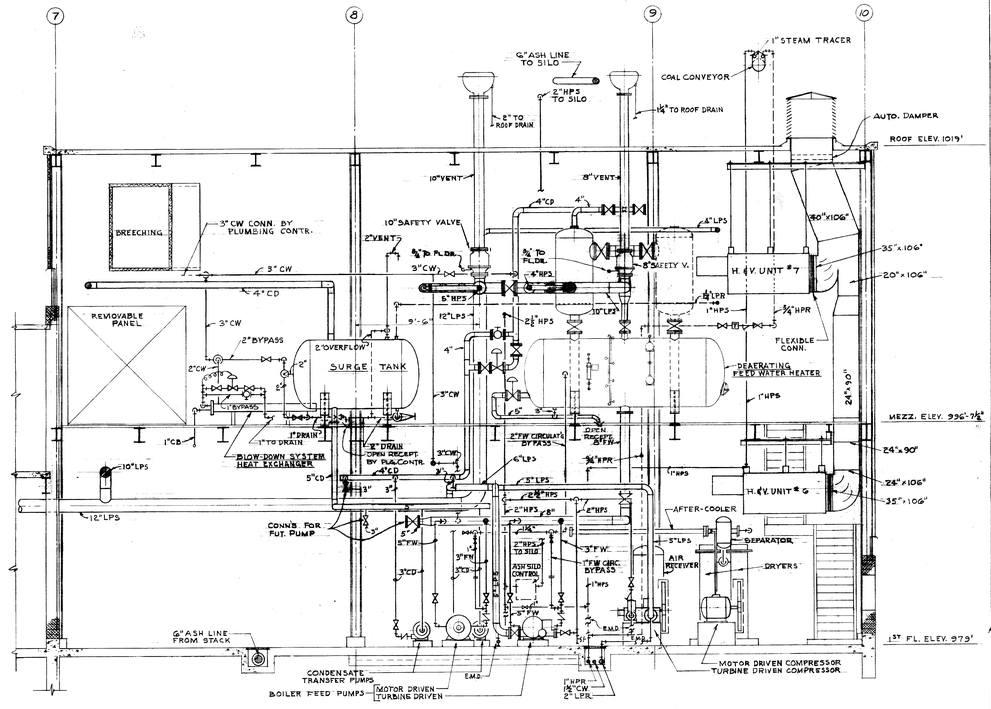
COMMONWEALTH OF KENTUCKY
BY G. P. Beckler
TITLE _____ DATE _____
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____

U-801



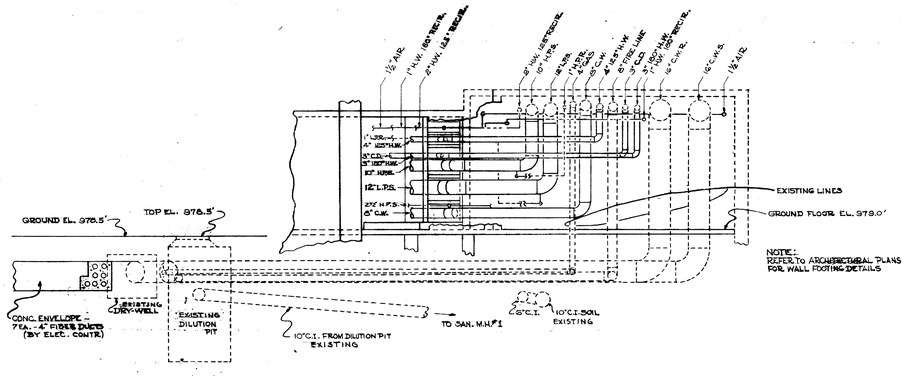
SECTION Ⓐ – Ⓜ/8

SCALE: ¼"=1'-0"



SECTION Ⓑ – Ⓜ/8

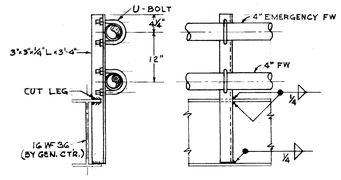
SCALE: ¼"=1'-0"



PIPING DETAIL NORTH END OF TUNNEL

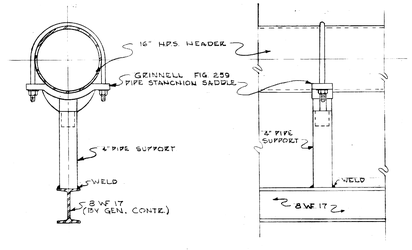
SECTION Ⓓ – Ⓜ/8

SCALE: ¼"=1'-0"



DETAIL "D"

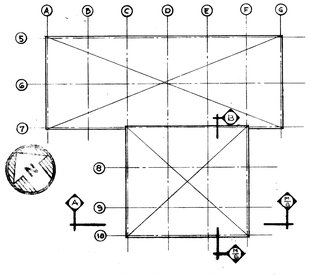
SCALE: 1"=1'-0"



DETAIL "E"

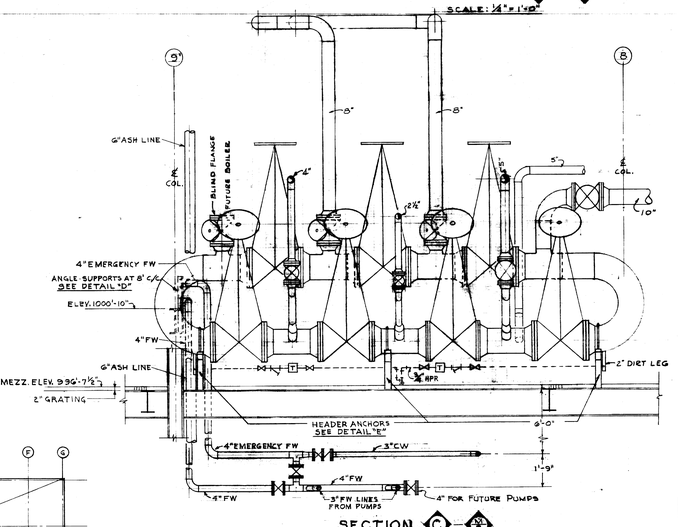
16" H.P.S. HEADER SUPPORT

SCALE 1"=1'-0"



KEY PLAN

NO SCALE



NOTE: DIST. BETWEEN EACH MAIN VALVE IS (SEE SHOWN)

SECTION Ⓒ – Ⓜ/8

SCALE: ⅜"=1'-0"

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN REVISED TO INCLUDE ALL KNOWN CHANGES AS OF THIS DATE.
PROCTOR-INGELS & ASSOCIATES
BY: Ansel L. Davis
DATE: April 15, 1963

APPROVALS

UNIVERSITY OF KENTUCKY
BY: Paul Sturgeon
TITLE: Vice Pres. Business Affairs
DATE
DATE
DATE

COMMONWEALTH OF KENTUCKY
BY: J. Virgil Proctor
TITLE
DATE
BY
TITLE
DATE
BY
TITLE
DATE

STATE OF KENTUCKY THOMAS G. MARTIN 2449 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY J. VIRGIL PROCTOR 40 REGISTERED PROFESSIONAL ENGINEER

Thomas G. Martin J. Virgil Proctor

HEATING & COOLING ELEVATIONS

SCALE-NOTED

HEATING & COOLING PLANT & APPURTENANT FACILITIES

MEDICAL CENTER

LEXINGTON, KENTUCKY

UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

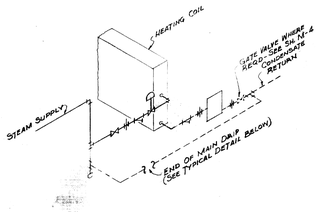
DRAWN BY	J.C.	DATE	FEB. 24, 1961
TRACED BY		SHEET NUMBER	
FILLED BY	J.S.		M-E
CHECKED BY	E.S.	NO. OF SHEETS	
REVISIONS			9

LEXINGTON, KENTUCKY

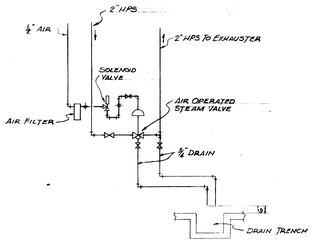
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

JOB NO. 8902

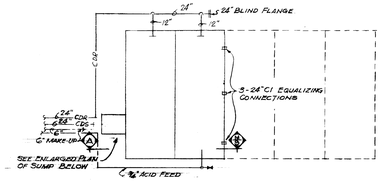
U-601



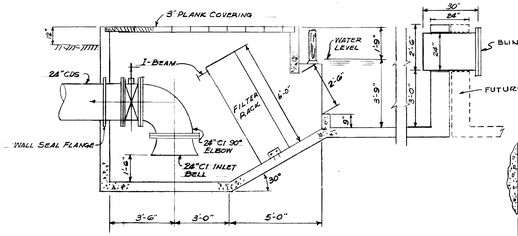
TYPICAL HEATING & VENTILATING UNIT PIPING
NO SCALE



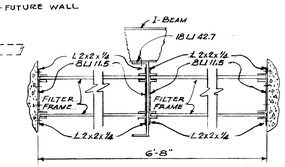
ASH SILO STEAM PIPING
No SCALE



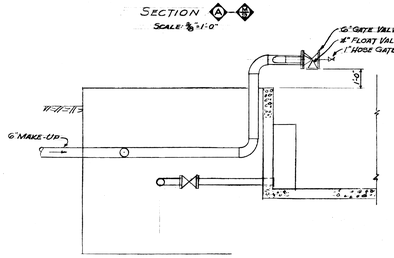
PLAN OF COOLING TOWER
SCALE: 1"=20'



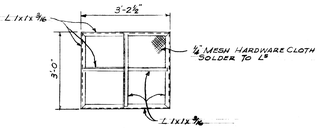
SECTION Ⓐ-Ⓐ
SCALE: ⅜"=1'-0"



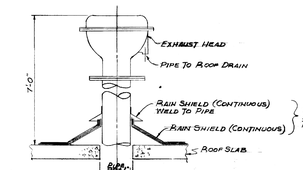
PLAN OF FILTER RACK
SCALE: 1"=1'-0"

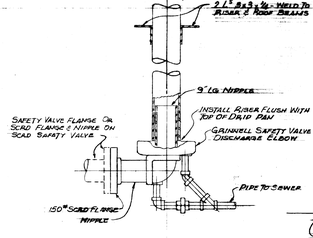


SECTION Ⓑ-Ⓑ
SCALE: ⅜"=1'-0"

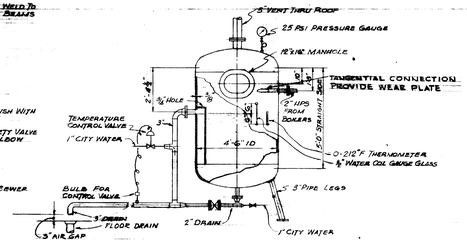


DETAIL OF FILTER FRAME
No SCALE
8 REQ'D



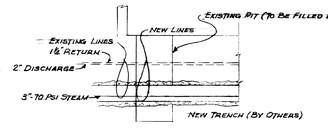


SAFETY VALVE DISCHARGE PIPING
No SCALE

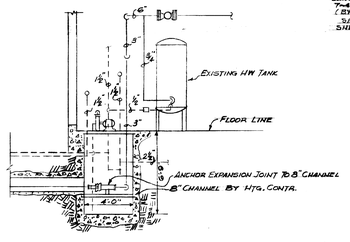


BLOW-OFF TANK DETAILS
No SCALE

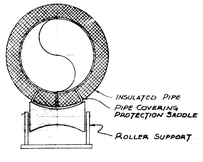
TRENCH DETAIL
(SHOWING INSULATED STEAM LINE)
SCALE: ½"=1'-0"



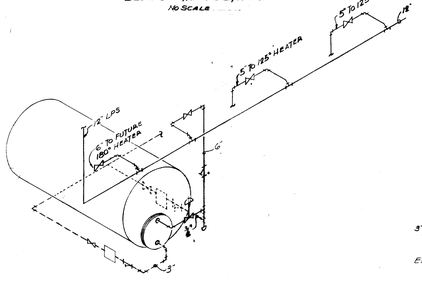
ELEVATION
EXISTING PIT
SCALE: ½"=1'-0"



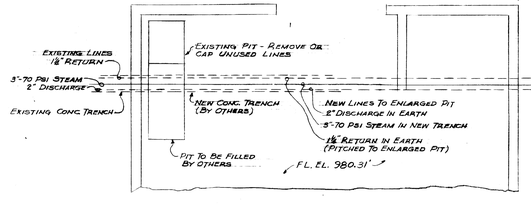
SECTION Ⓒ-Ⓒ
SCALE: ¼"=1'-0"



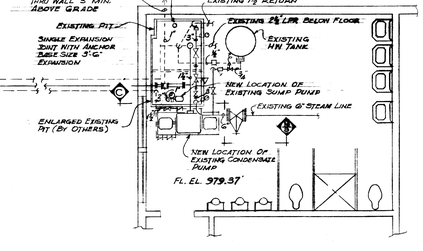
DETAIL OF INSULATED PIPE ON ROLLER
No SCALE



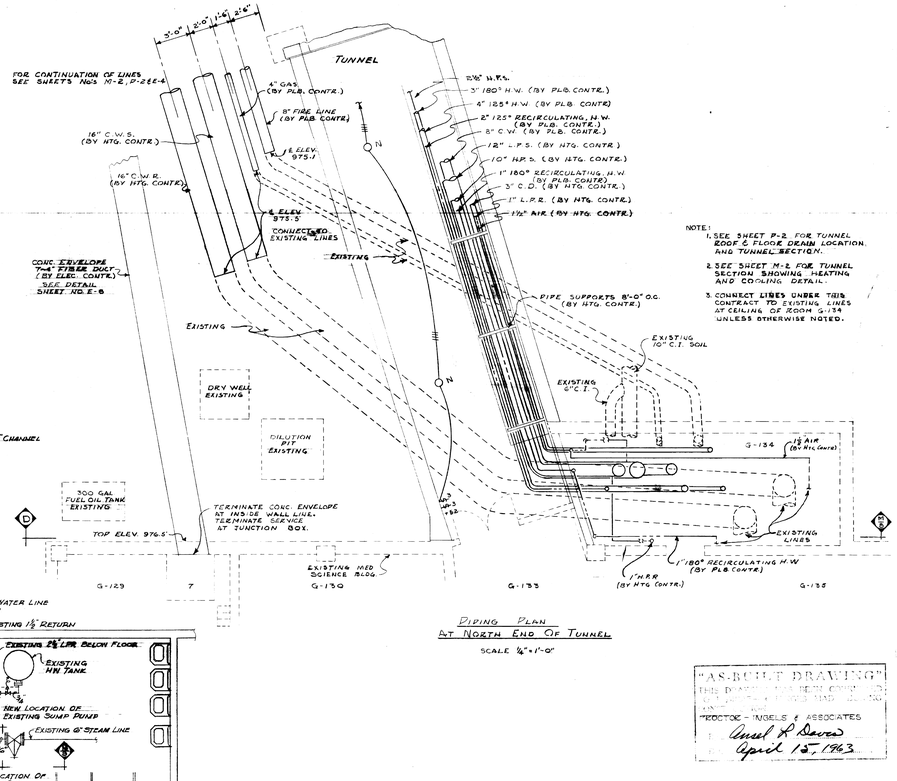
WATER HEATER STEAM PIPING
No SCALE



PARTIAL PLAN
OLD BOILER HOUSE
SCALE: ⅛"=1'-0"



PARTIAL PLAN
OLD SERVICE BUILDING
SCALE: ⅛"=1'-0"



NOTE:
1. SEE SHEET P-2 FOR TUNNEL ROOF & FLOOR DRAIN LOCATION AND TUNNEL SECTION.
2. SEE SHEET M-2 FOR TUNNEL SECTION SHOWING HEATING AND COOLING DETAIL.
3. CONNECT LINES UNDER THIS CONTRACT TO EXISTING LINES AT CEILING OF ROOM G-134 UNLESS OTHERWISE NOTED.

PIPING PLAN
AT NORTH END OF TUNNEL
SCALE ¼"=1'-0"

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO REFLECT CONSTRUCTION AS INSTALLED
"PROCTOR - INGELS & ASSOCIATES
Russell P. Dawes
April 15, 1963

THOMAS G. MARTIN 2449 REGISTERED PROFESSIONAL ENGINEER
J. VIRGIL PROCTOR 49 REGISTERED PROFESSIONAL ENGINEER
Thomas G. Martin, J. Virgil Proctor

APPROVALS		
UNIVERSITY OF KENTUCKY		
BY	Buss Adm.	DATE 4/16/63
TITLE		
BY		DATE
TITLE		
BY		DATE
COMMONWEALTH OF KENTUCKY		
BY		DATE
TITLE		
BY		DATE
TITLE		
BY		DATE
TITLE		

HEATING & COOLING
DETAILS — SCALE - NOTED
HEATING & COOLING PLANT & APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY	J.C.	Morningthor, Martin and Bouton	DATE FEB. 24, 1956
TRACED BY	J.S.	LEXINGTON, KENTUCKY	SHEET NUMBER M-9
COMPARED BY	E.S.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN.	NO. OF SHEETS 9
REVISIONS		CONSULTANTS: PORTER J. WHITE, LEXINGTON, KENTUCKY, STRUCTURAL ENGINEERS	
		PROCTOR-INGELS, LEXINGTON, KENTUCKY, MECHANICAL ENGINEERS	JOB NUMBER 8902

U-803

SEE DWG. "C-3 FOR ROADS & PARKING AREAS THIS CONTRACT

SCALE 1"=50'

AGRICULTURAL ENGINEERING

ANIMAL PATHOLOGY

PATHOLOGY HORSE BARN

STOCK JUDGING PAVILION

DAIRY BUILDING

DENTAL SCHOOL

MEDICAL SCHOOL
FIRST FL. EL. 984.0
BSMT. FL. EL. 973.0

AMBULANT WING

CLINIC

HOSPITAL

SERVICE BUILDING

COOLING TOWER
ELEV. 985.5

BOILER ROOM
ELEV. 973.0

SUB-STATION

TRAVERSE LINE

TUNNEL

ROSE STREET

NICHOLASVILLE PIKE

STATE ST.

COMM. TERRACE

SOUTH LIMESTONE ST.

20' RIGHT OF WAY FOR UTILITY LINES.

TYPE "L" EXISTING M.H. 3'6" X 5' X 5'-0"

EXISTING M.H. #38 115' N. OF STATE ST.

NEW POLE 35' H.C.

ELECTRIC MANHOLE TYPE 'A' ELEV. OF TOP 977.0' FOR DETAILS SEE SH. E-3.

PITCH DOWN FROM M.H. TO ELEV. 935.0' PASS UNDER STORM SEWER.

EL. 978.4 TO TOP OF MANHOLE TYPE 'A'

NOTE: ALL WORK FROM M.H. #39 TO U.K. PROPERTY LINE TO BE PLACED BY GEN. TEL. CO. OR KY., ALL OTHER WORK INCLUDED IN CONTRACT

NOTE:

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN REVISED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
PROCTOR - INGELS & ASSOCIATES
By John J. Anderson
Date 4/15/63

APPROVALS

UNIVERSITY OF KENTUCKY
By Robert D. Johnson, Chairman
Title The Board of Building
By
Title
By
Title

COMMONWEALTH OF KENTUCKY
By
Title
By
Title
By
Title

STATE OF KENTUCKY
BEN C. INGELS 592
REGISTERED PROFESSIONAL ENGINEER
Ben C. Ingels

ELECTRICAL SITE PLAN

SCALE

HEATING & COOLING PLANT & APPURTENANT FACILITIES MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH

DESIGNED BY B.C.I.	Meriwether, Mary
TRACED BY W.L.	LEXINGTON, KENTUCKY
CHECKED BY B.C.I.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS

U-3

PROCTOR - INGELS & ASSOCIATES
John J. Anderson Jr.
4/15/63

APPROVALS

UNIVERSITY OF KENTUCKY
BY ____ DATE
TITLE ____
COMMONWEALTH OF KENTUCKY
BY G. F. Bichler DATE

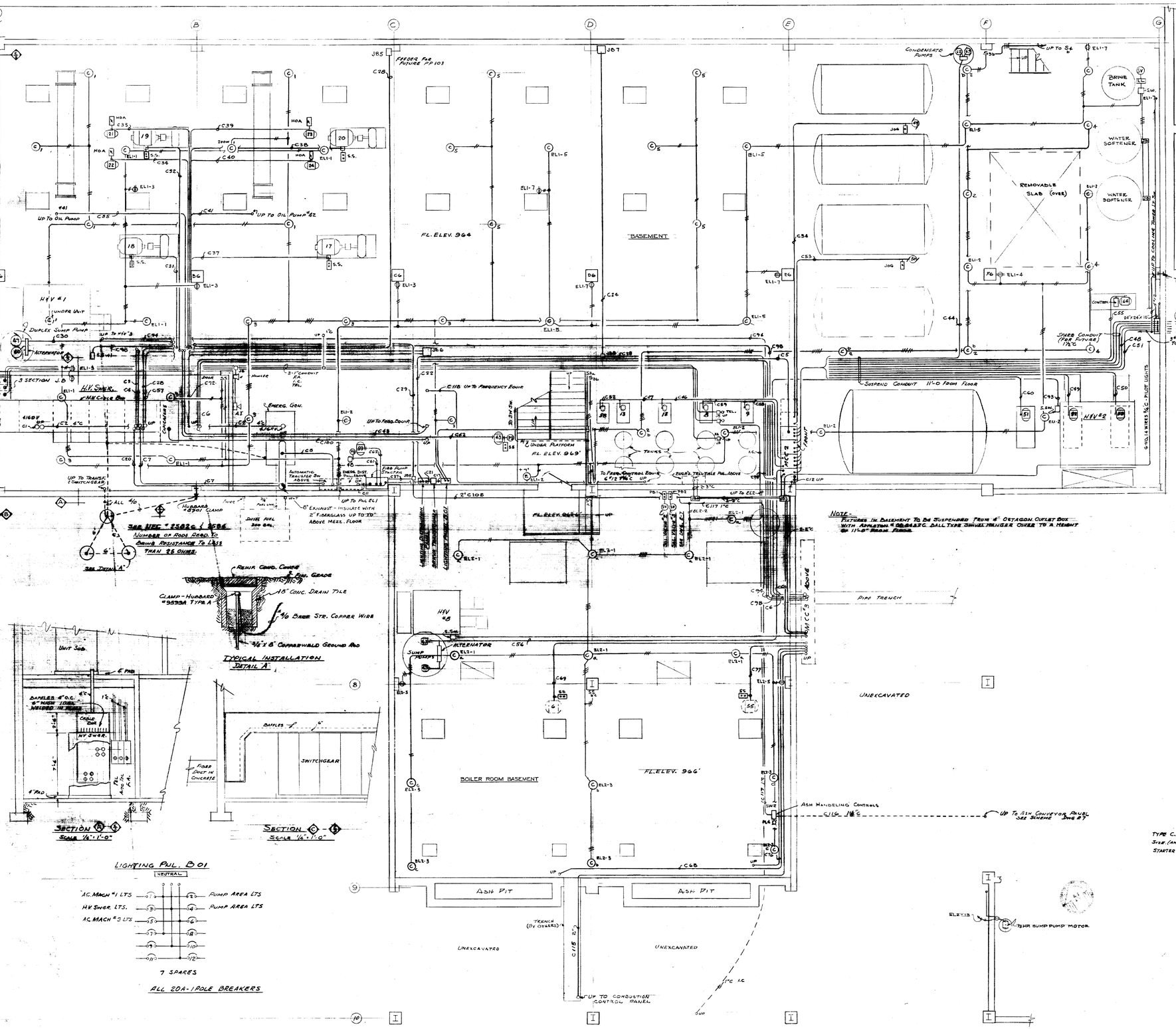
Ben C. Ingels

ELECTRICAL
SINGLE LINE DIAGRAM
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY PS	Meriwether Marye and Associates, LEXINGTON KENTUCKY	DATE FEB 24 1959
TRACED BY PS	ELLERBE AND COMPANY, ARCHITECTS & ENGINEERS, ST. PAUL MINN., CONSULTANTS	SHEET NUMBER E-2
CHECKED BY BCI	PORTER J. WHITE - LEXINGTON, KENTUCKY, STRUCTURAL ENGINEERS	NO. OF SHEETS 8
REVISIONS	PROCTOR-INGELS - LEXINGTON, KENTUCKY, MECHANICAL ENGINEERS	JOB NUMBER 8902

U-805

Cab # 132 Slot B-3 Document # 015827



LIGHTING PNL. B01

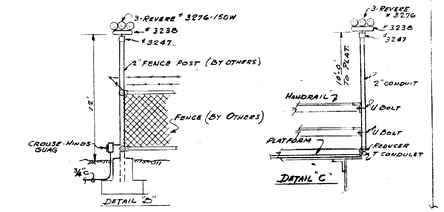
NEUTRAL

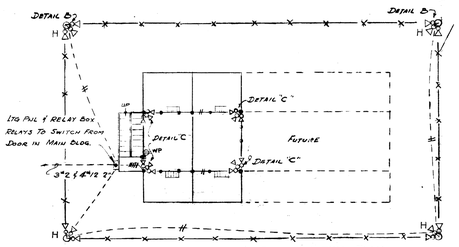
AC. MACH #1 LTS	1	2	PUMP AREA LTS
H.V. SWGR. LTS.	3	4	PUMP AREA LTS
AC. MACH #2 LTS	5	6	
	7	8	
	9	10	
	11	12	

7 SPARES

ALL 20A-1POLE BREAKERS

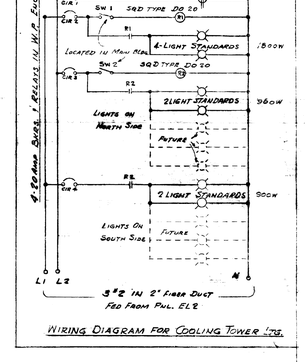
NOTE - FIXTURES IN BASEMENT TO BE SUSPENDED FROM 4" OCTAGON OUTLET BOX WITH APPLETON #OB4338C DALL TYPE SWIVEL HANGER COVER TO A HEIGHT OF 11'-0" FROM FLOOR.





LEGEND

	CONDULET IN CONDUIT RUN
C15	CONDUIT EXPOSED (POWER - CONDUIT NUMBER)
	CONDUIT EXPOSED (LIGHTING - SLANT LINES INDICATE NUMBER OF #12 WIRES IN CONDUIT)
	CONDUIT IN FLOOR SLAB OR UNDERGROUND
(C)1a	CEILING OUTLET (LETTER INDICATES TYPE FIXTURE LISTED IN SPECS. NUMBER INDICATES CIRCUIT)
a 3	LOWER CASE LETTER INDICATES SWITCHING. FLUORESCENT FIXTURE (LETTER + NUMBER SAME AS FOR ABOVE)
S_b	TOGGLE SWITCH - WALL MTD. 48" ABOVE FLOOR (LETTER INDICATES FIXTURES CONTROLLED.)
S3	TOGGLE SWITCH - 3 WAY
S4	TOGGLE SWITCH - 4 WAY
SWP	SWITCH - WEATHERPROOF
WP	RECEPTACLE 18" ABOVE FLOOR (WP: WEATHERPROOF)
	CLOCK OUTLET - SINGLE FACE
	INTERCOM. TEL. - WALL MTD. 52" ABOVE FL.
	INTERCOM. TEL. - DESK TYPE - OUTLET BOX 18" ABOVE FLOOR
	TELEPHONE - CONNECTED THROUGH P.B.X. IN RADIC SCIENCE BLDG.
	HORN - STANDARD ELEC. TIME CO. CAT. NO. 30 SINGLE PROJECTOR, WEATHERPROOF HORN.
SV	SOLENOID VALVE
(17) (20)	MOTOR, HORIZONTAL & VERTICAL No. REFERS TO MOTOR LIST. SEE SPECS.
(16)	GENERATOR
J.B.-7	JUNCTION BOX (No. FOR REFERENCE)
—E—	ELECTRIC LINES BELOW GRADE (DWG E-1)
H-O-A	SELECTOR SWITCH (HAND - OFF - AUTO & PILOT LIGHT
	PUSH BUTTON (STOP - START & PILOT LIGHT)
TYPE C.B. / SIZE (AMPS.) / STARTER	COMBINATION CIRCUIT BREAKER MAGNETIC STARTER
	PUSH BUTTON & PILOT LIGHT IN STARTER COVER
	OUTSIDE LIGHT STANDARDS



WIRING DIAGRAM FOR COOLING TOWER LTG.

PROCTOR - INGELS & ASSOCIATES
John S Anderson Jr
9/15/63

APPROVALS

UNIVERSITY OF KENTUCKY
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____

COMMONWEALTH OF KENTUCKY
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____
BY _____ DATE _____
TITLE _____

Ben C. Angelo

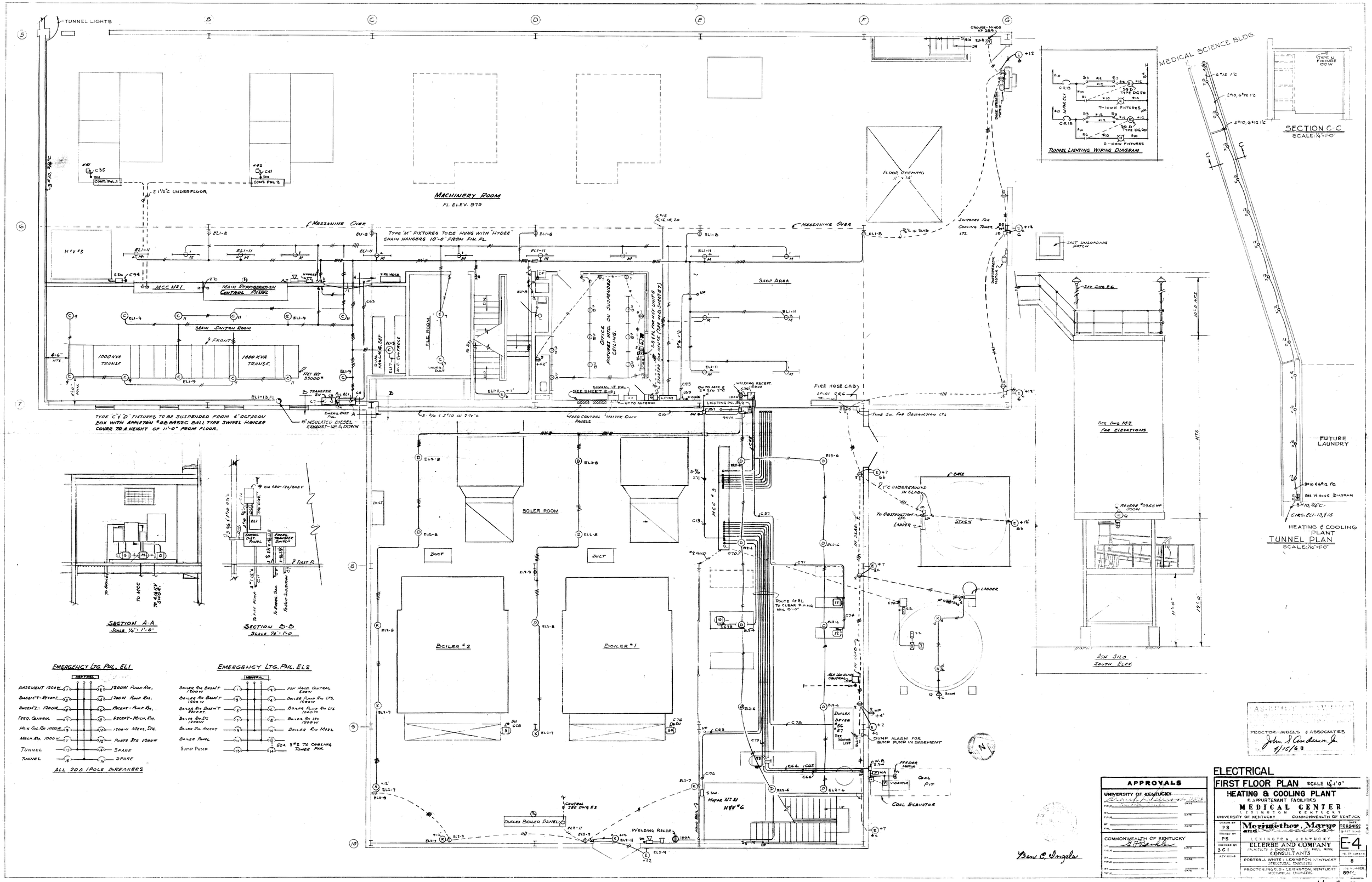
ELECTRICAL

BASEMENT FLOOR PLAN SCALE 1/8"=1'-0"

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY	P.B.	Meriwether, Marye and Associates	DATE 2-2-63
TRACED BY	P.S.	LEXINGTON KENTUCKY	SHEET NO. E-3
CHECKED BY	S.O.I.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 8
REVISIONS		PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEER	JOB NUMBER 0902
		PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	

U-806



APPROVALS

UNIVERSITY OF KENTUCKY

COMMONWEALTH OF KENTUCKY

ELECTRICAL

FIRST FLOOR PLAN SCALE 1/4"=1'-0"

HEATING & COOLING PLANT

& APPURTENANT FACILITIES

MEDICAL CENTER

LEXINGTON KENTUCKY

UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCKY

DRAWN BY PS

TRACED BY PS

CHECKED BY BCI

REVISIONS

Merimeter, Marye and Associates

LEXINGTON, KENTUCKY

ELLERBE AND COMPANY

ARCHITECTS & ENGINEERS ST. PAUL, MINN.

CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY

STRUCTURAL ENGINEERS

PROCTOR-INGELS - LEXINGTON, KENTUCKY

MECHANICAL ENGINEERS

DATE FEB 24 1961

E-4

NO. OF SHEETS 8

JOB NUMBER 890

U-807

LIGHTING PANEL LP201

Circuit	Load	Circuit	Load
1	STORAGE 1200W	2	TOILET & LOCKER RM. 1000W
3	RECEPT.	4	RECEPT. HOPPER
5	LUNCH RM 400W	6	BOILER RM. MEZZ LTS.
7	BOILER RM MEZZ	8	BOILER RM MEZZ. LTS.
9	PASSAGE LTS	10	RANGE RECEPT IN LUNCH RM. (35A)
11	PARTS & MISC. STORAGE	12	RANGE RECEPT IN LUNCH RM. (35A)
13		14	
15		16	
17		18	

8 SPARES

ALL 20A 1 POLE BREAKERS (EXCEPT AS NOTED)

LIGHTING PANEL LP 101

Circuit	Load	Circuit	Load
1	FLUOR. LTS	2	RECEPT
3	OFFICE	4	ASH & COAL LTS
5	OFFICE RECEPT	6	OUTSIDE LTS.
7	STORAGE	8	SPARE
9	MAIN SW. RM	10	MACH. RM
11	FANS 30, 38, 39	12	MACH. RM
13		14	MACH. RM
15		16	MACH. RM
17		18	

4 SPARE

ALL 20A 1 POLE BREAKERS

NOTES–

1. SAFETY SWITCHES SHOWN AT EXHAUST FANS ARE FURN. WITH EQUIPMENT. CONDUIT SHALL BE INSTALLED IN VENT SHAFT THROUGH ROOF.

"AS BUILT DRAWING"
PROCTOR-INGELS & ASSOCIATES
John I. Anderson Jr
4/15/63

APPROVALS
UNIVERSITY OF KENTUCKY
BY ____ TITLE ____ DATE
BY ____ TITLE ____ DATE
BY ____ TITLE ____ DATE
COMMONWEALTH OF KENTUCKY
BY ____ TITLE ____ DATE
BY ____ TITLE ____ DATE
BY ____ TITLE ____ DATE

Ben C. Ingels

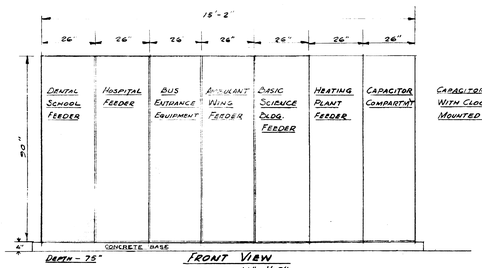
ELECTRICAL
MEZZANINE FLOOR PLAN SCALE ¼"=1'0"
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY COMMONWEALTH OF KENTUCKY

DRAWN BY PS | TRACED BY PS | CHECKED BY PCI | REVISIONS

Meriwether, Marye and Associates
LEXINGTON, KENTUCKY.
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS

DATE FEB 24 19 | SHEET NUMBER E-5 | NO. OF SHEETS 8 | JOB NUMBER 6902

U-808



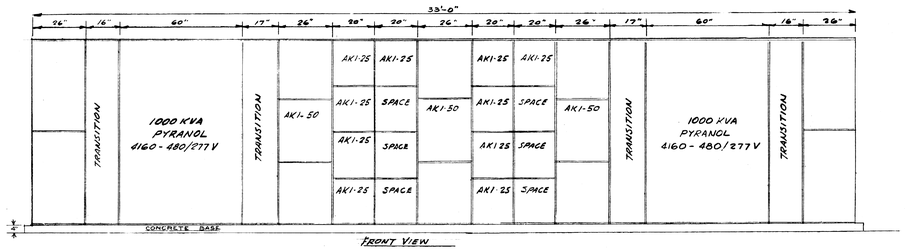
DEPTH - 75"

FRONT VIEW

SCALE - ½" = 1'-0"

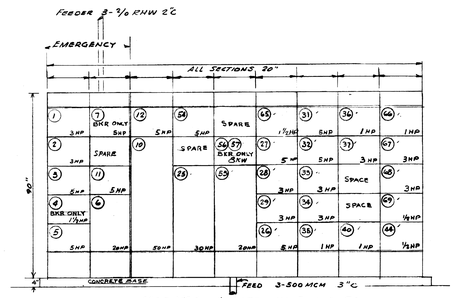
NOTES - ALL CABLES TO ENTER FROM BELOW
DESIGN FROM GENERAL ELECTRIC CO BUL. GEA 5664D

4.16 KV. METAL CLAD SWITCHGEAR



FRONT VIEW

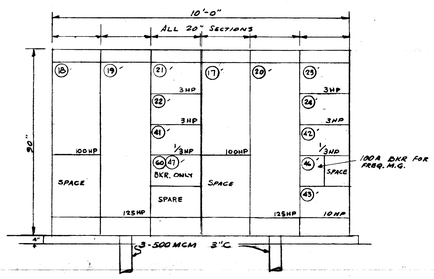
UNIT SUBSTATION



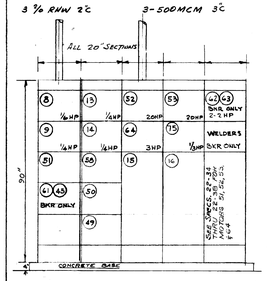
MCC N° 3 LOCATED IN BOILER ROOM

SCALE ½" = 1'-0"

(5) NUMBERS REFER TO MOTOR LIST

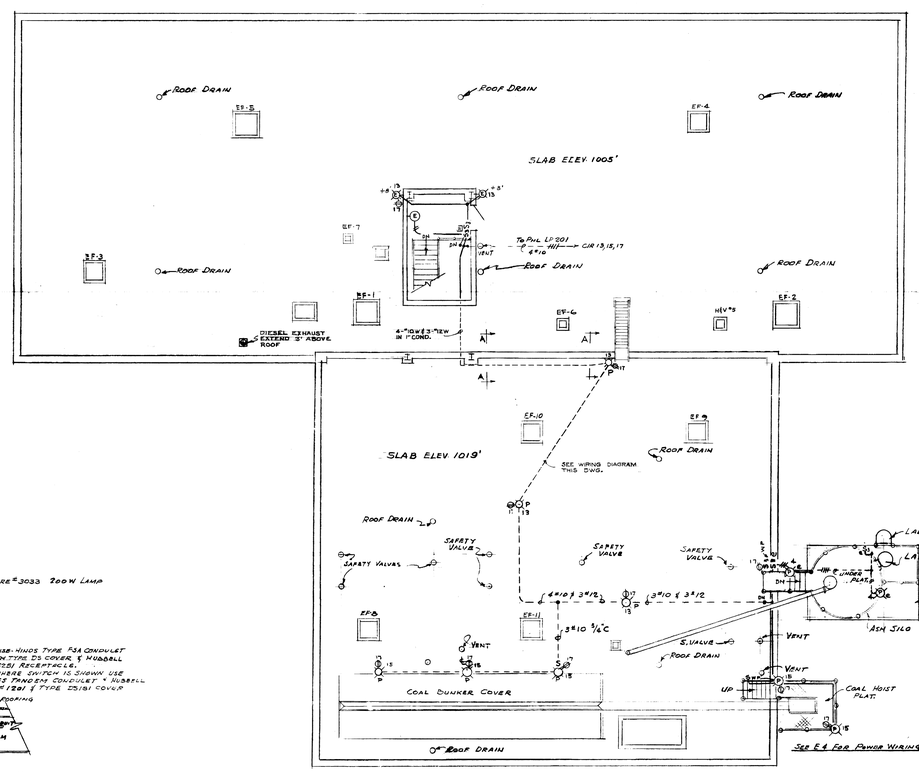


MCC N°1 (AC MACHINES 1 & 2)



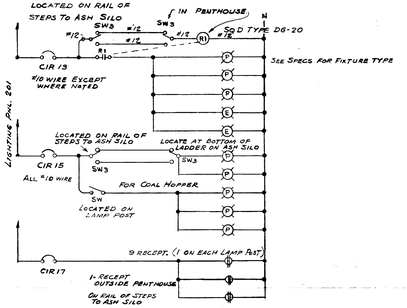
MCC N°2

PUMP ROOM

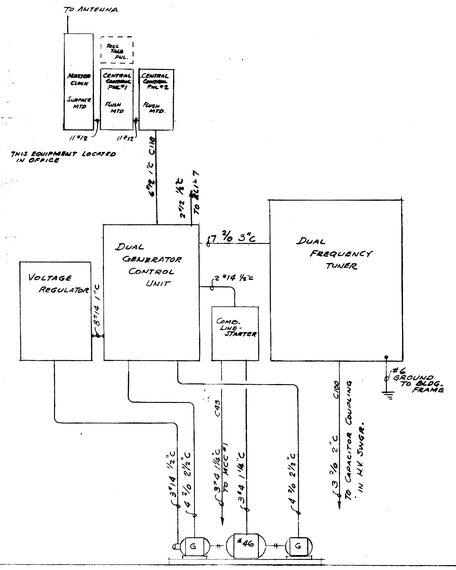


ROOF PLAN

SCALE ⅛" = 1'-0"

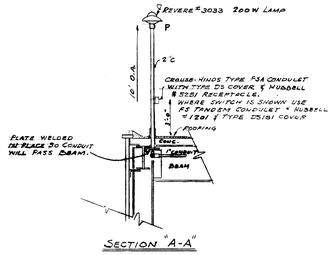


WIRING DIAGRAM FOR ROOF LIGHTING



I.B.M. DUAL FREQUENCY MOTOR GENERATOR EQUIP'T

COMBINATION CIRCUIT BREAKER LINESTARTER, CONDUIT & WIRE FURNISHED & INSTALLED BY ELECT. CONTR.
CONNECTIONS TO BE SUPERVISED BY I.B.M. SEE SPECS.
SEE DWG E4 FOR LOCATION



SECTION "A-A"

PROCTOR - INGELS & ASSOCIATES
John S Cinderum Jr
4/15/63

Ben C. Ingels

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	

ELECTRICAL DETAILS

HEATING & COOLING PLANT & APPURTENANT FACILITIES

MEDICAL CENTER

LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY	DS
TRACED BY	DS
CHECKED BY	BC
REVISIONS	
JOB NUMBER	6241-5
SHEET NUMBER	E-6
NO. OF SHEETS	8

Merimether, Marye and Associates
LEXINGTON KENTUCKY

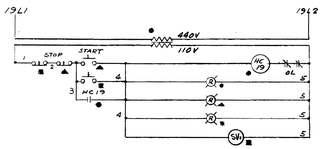
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS - ST. PAUL, MINN.
CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

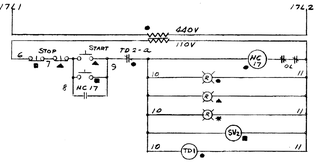
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

U-107

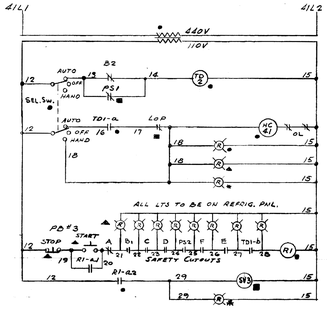
CHILLED WATER PUMP (P10)



CONDENSER WATER PUMP (P9)



OIL PUMP N°1



REFRIGERATION COMPRESSOR CONTROL

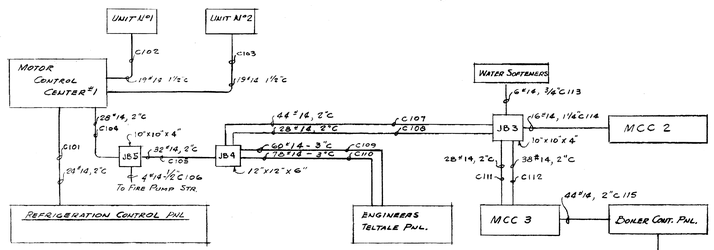
ELEMENTARY DIAGRAM
TYPICAL FOR ALL REFRIGERATION UNITS

START UP & SHUT DOWN

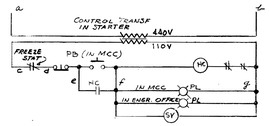
1. ALL RELAY CONTACTS SHOWN IN DEENERGIZED POSITION.
2. PRESS START PUSH BUTTON FOR CHILLED WATER PUMP HC19 CONTACTS HOLD CIRCUIT CLOSED. SV1 IS ENERGIZED AND WATER VALVE OPENS. WATER TEMPERATURE ABOVE 42°, PS1 OPENS.
3. TD2 IS DEENERGIZED. TD2 IS CLOSED AND CONDENSER WATER PUMP IS READY TO START.
4. PRESS START PUSH BUTTON FOR CONDENSER WATER PUMP. TD1 & SV2 ARE ENERGIZED. "F" CLOSES. CONTACT TD1-a CLOSES INSTANTLY STARTING OIL PUMP. CONTACT TD1-b CLOSES IN 5 MIN. WHEN OIL PUMP STARTS, "E" CLOSES. RELAY R1 IS NOW ENERGIZED AND STEAM VALVE TO REFRIGERATION COMPRESSOR CAN BE OPENED.
5. PRESS START BUTTON PB3. R1 IS ENERGIZED AND CONTACTS R1 CLOSES, ENERGIZING SV3 WHICH OPERATES STEAM VALVE.
6. WHEN COMPRESSOR STARTS, INTERNAL OIL PUMP RAISES OIL PRESSURE AND LOP WILL OPEN. OIL PUMP STOPS.
7. COMPRESSOR WILL CONTINUE TO OPERATE UNTILL WATER TEMP. DECREASES TO 40°. PS2 OPENS. COMPRESSOR STOPS. PS1 CLOSES ENERGIZING TD2. CONTACTS TD2-b WILL OPEN IN 5 MIN. AND STOPS CONDENSER AND OIL PUMP (TD1 and TD1-a.
8. SHOULD CHILLED WATER PUMP STOP, B2 WILL CLOSE. TD2 WILL BE ENERGIZED WHICH WILL OPEN TD2-a. IN 5 MINUTES.

LEGEND

A	LOW WATER TEMP. CUTOUT
B	CHILLED WATER PRESS DIFF. SW.
C	HIGH PRESSURE CUTOUT
D	REFRIG. LOW PRESS CUTOUT
E	OIL PRESS. SAFETY CUTOUT
F	COND. WATER DIFF. PRESS SW.
TD	TIME DELAY RELAY
TD1-a	INSTANT OPEN & CLOSE
TD1-b	INSTANT OPEN, TIME CLOSED
TD2-a	INSTANT CLOSE, TIME OPEN
PS	PRESSURE SWITCH OPERATED BY THERMOSTAT.
LOP	LOW OIL PRESSURE SWITCH
PS1	CLOSE @ 40° OPEN @ 42°
PS2	OPEN @ 40° CLOSE @ 42°
▲	LOCATED ON REFRIGERATION PNL.
■	LOCATED AT MOTOR OR ON MACHINE
●	LOCATED AT STARTER OR MCC
✱	LOCATED ON ENGINEER'S PNL.
(R1)	PILOT LIGHT (6 VOLT PRESS TO TEST) RED LENS
(SV)	RELAY
(MC)	SOLENOID AIR VALVE (TURN, W/EQUIP)
	MAGNETIC STARTER HOLDING COIL

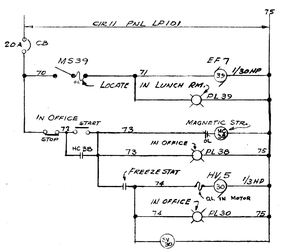


CONDUIT BLOCK DIAGRAM
REFRIGERATION CONTROL CIRCUIT

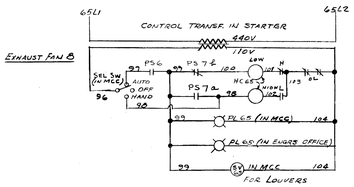


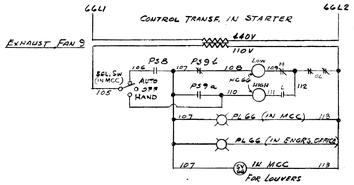
UNIT N°	MOTOR N°	a	b	c	d	e	f	g	
HV 1	26	26L1	26L2	30	31	32	33	34	
HV 2	27	27L1	27L2	35	36	37	38	39	
HV 3	28	28L1	28L2	40	41	42	43	44	
HV 4	29	29L1	29L2	45	46	47	48	49	
HV 6	31	31L1	31L2	53	54	57	58	59	
HV 7	32	32L1	32L2	60	61	62	63	64	
HV 8	65	65L1	65L2	65	66	67	68	69	

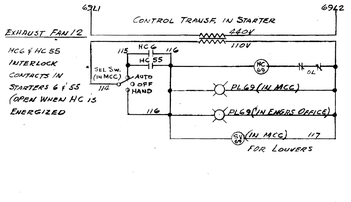
P8, PL, SV & HC CARRY MOTOR NUMBERS
REF. DWG. M6

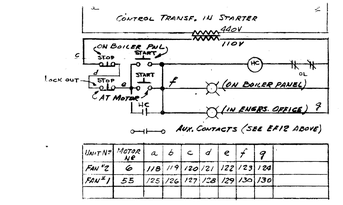


EF6, EF7 & HV5

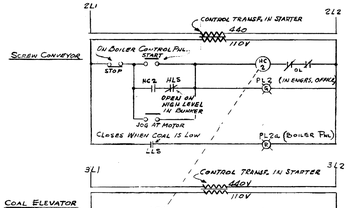




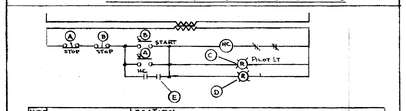




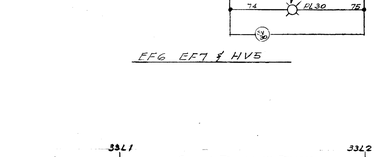
UNIT N°	MOTOR N°	a	b	c	d	e	f	g	
FAN 12	6	118	119	120	121	122	123	124	
FAN 1	55	125	126	127	128	129	130	130	

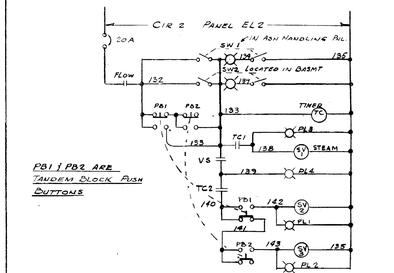


WIRING DIAGRAM FOR COAL HANDLING EQUIP.



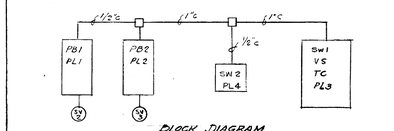
HOOK N°	LOCATION (A)	(B)	(C)	(D)	(E)	
5	BOILER PNL.	AT MOTOR	BOILER PNL.	ENGR'S PNL.	ON BOILER	WATER COLUMN L. LEVEL
25	BOILER PNL.	AT M.C.C.	BOILER PNL.	ENGR'S PNL.	AT COMPRESSOR	HI-TEMP CUTOUT
23	MAIN REF PNL.	AT MOTOR	MAIN REF PNL.	ENGR'S PNL.	AT MOTOR	PRESS. SWITCH
56	BOILER PNL.	AT MOTOR	BOILER PNL.	ENGR'S PNL.	ON BOILER	WATER COLUMN L. LEVEL





ELEMENTARY WIRING DIAGRAM

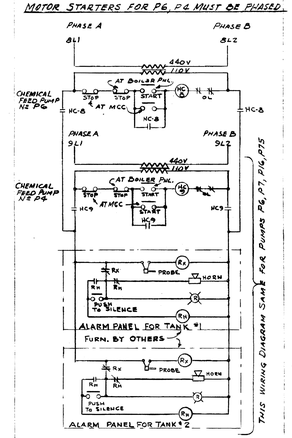
PB1 & PB2 ARE TANDEM BLOCK ASH BUTTONS



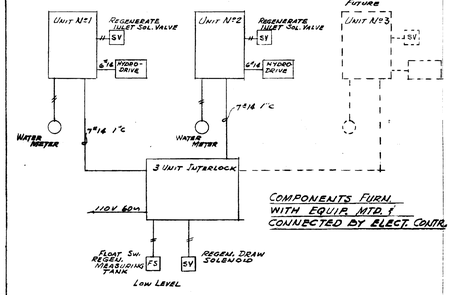
BLOCK DIAGRAM

ASH HANDLING CONTROL SYSTEM

MOTOR STARTERS FOR P6, P6 MUST BE PHASED



BOILER WATER TREATMENT - TANK ALARM WIRING DIAGRAM



COMPONENTS FURN. WITH EQUIP. MTD. & CONNECTED BY ELECT. CONTR.

WATER TREATMENT SYSTEM CONTROL BLOCK DIAGRAM

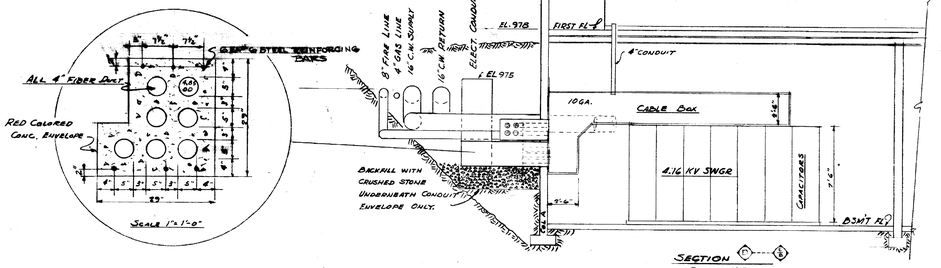
PROCTOR-INGELS & ASSOCIATES
John S Anderson Jr
4/15/63

Ben C. Ingels

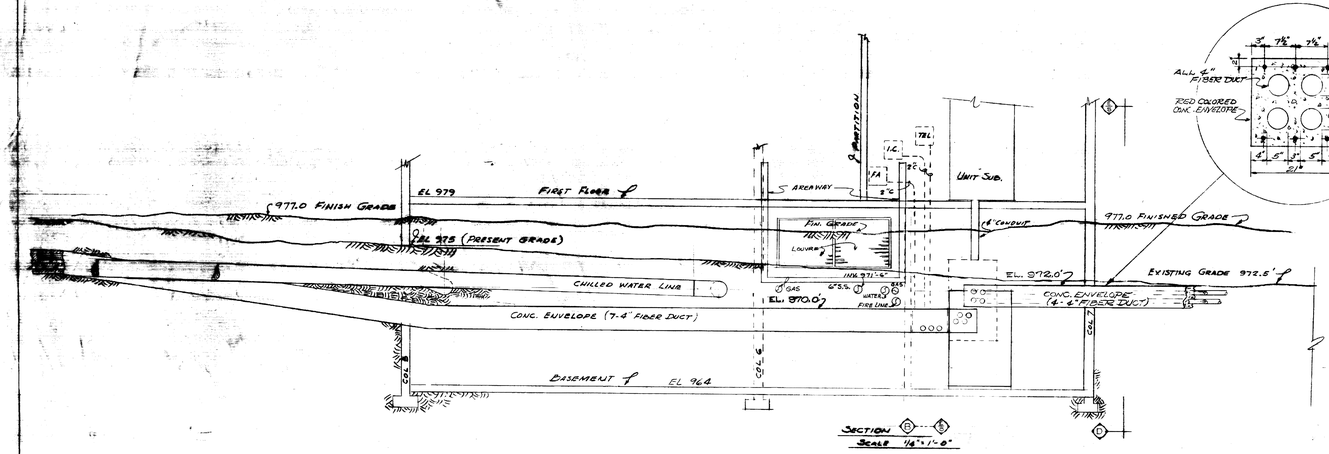
APPROVALS		
UNIVERSITY OF KENTUCKY		
BY		DATE
TITLE		
BY		DATE
TITLE		
COMMONWEALTH OF KENTUCKY		
BY		DATE
TITLE		
BY		DATE
TITLE		

ELECTRICAL
WIRING DIAGRAMS
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

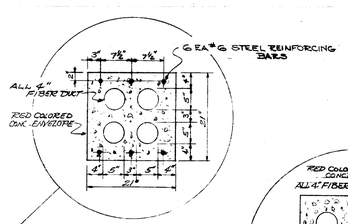
DRAWN BY	Meriwether, Marye and Associates	FEB 24 1958
P.S.	LEXINGTON, KENTUCKY	SHEET NUMBER E-7
TRACED BY P.S.		
CHECKED BY B.C.I.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	8
	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8502

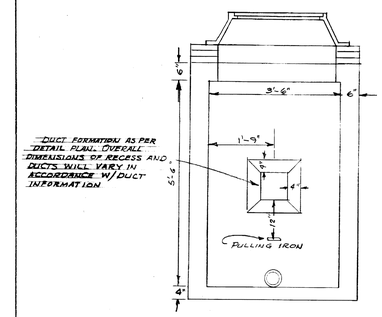


SECTION Ⓒ—Ⓔ
SCALE 1/4"=1'-0"
See Dwg E3 For Plan

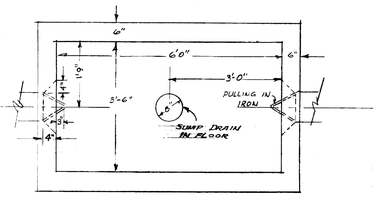


SECTION Ⓑ—Ⓔ
SCALE 1/4"=1'-0"



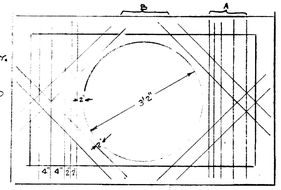


END VIEW

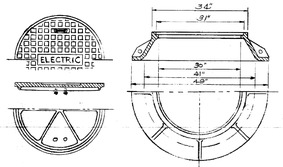


TOP VIEW WITHOUT ROOF

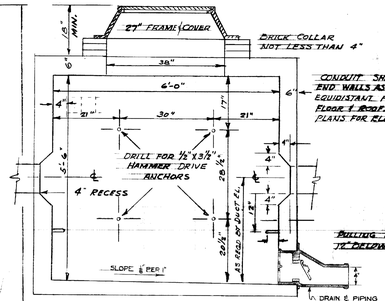
PLACE 1½" LAYER OF CONCRETE THEN REINFORCEMENT "A" PLACE "B" ON TOP OF "A". TAMP DOWN RODS SLIGHTLY. PLACE REMAINING CONC. TAMPING WELL. RODS A & B TO BE ½" □ TWISTED OR ♯ DEFORMED BARS.



REINFORCEMENT IN ROOF

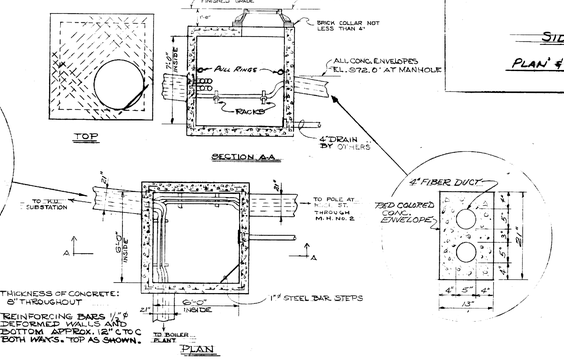


COVER FRAME



SIDE VIEW

PLAN & DETAILS FOR TELEPHONE MANHOLES TYPE "B"
NO SCALE



THICKNESS OF CONCRETE: 8" THROUGHOUT
REINFORCING BARS ½" ø DEFORMED WALLS AND BOTTOM APPROX. 12" c TO c BOTH WAYS. TOP AS SHOWN.

DETAILS OF ELECTRIC MANHOLE TYPE "A"
NOT TO SCALE

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INCLUDE CHANGES MADE DURING CONSTRUCTION.
PROCTOR, INGELS & ASSOCIATES
By John S Gardenier Jr
Date 4/15/63

REN INGELS 692 REGISTERED ENGINEER COMMONWEALTH OF KENTUCKY

Ben C. Ingels

APPROVALS	
UNIVERSITY OF KENTUCKY	
Vice Pres. Bus. Affairs	DATE
	DATE
	DATE
COMMONWEALTH OF KENTUCKY	
	DATE
	DATE
	DATE

ELECTRICAL
DETAILS
HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY • COMMONWEALTH OF KENTUCKY

DRAWN BY	P. S.	DATE FEB 24 '61
TRACED BY	P. S.	SCALE AS NOTED
CHECKED BY	B.C.I.	DWG. NO. E-8
REVISIONS		NO. OF SHEETS 8

Merrick-Thurber, Marye and Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR, INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

JOB NUMBER 9902

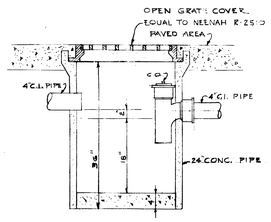
U-811

LEGEND

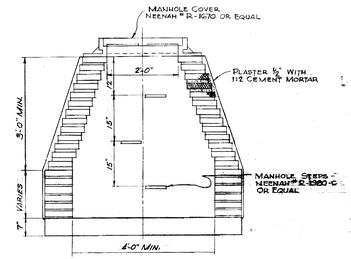
- PRESENT CONTOURS
- FINISH CONTOURS
- FINISH GRADE TO BE CONSTRUCTED UNDER PREVIOUS CONTRACT
- STORM SEWER TO BE " " " "
- SANITARY SEWER TO BE " " " "
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER
- S — NEW STORM SEWER
- EXISTING WATER LINES TO REMAIN
- EXISTING WATER LINES TO BE ABANDONED
- NEW WATER LINES
- NEW GATE VALVES
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- EXISTING POST INDICATOR VALVE
- EXISTING FENCE
- G — NEW GAS LINES

NOTES

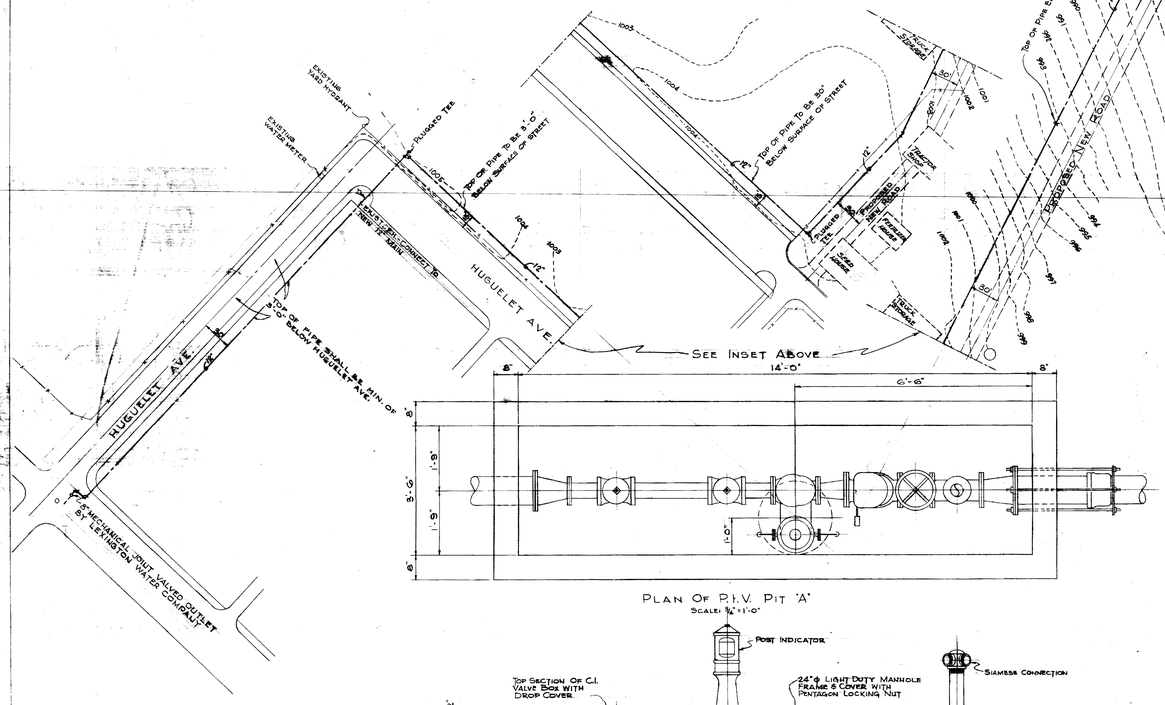
1. FOR B. M. LOCATION SEE ARCHITECTURAL SHEET NO. C-1
2. STORM AND SANITARY SEWERS ARE SHOWN FOR COORDINATION PURPOSES ONLY. PLUMBING CONTRACTOR WILL INSTALL SEWERS ONLY TO 5 FT. OUTSIDE BUILDING OR STRUCTURE.
3. MINIMUM COVER FOR GAS LINES SHALL BE 30"
4. MINIMUM COVER FOR ALL NEW WATER LINES SHALL BE 36" UNLESS OTHERWISE SHOWN. CONDENSER WATER LINES AND FILL LINE TO TOWER SHALL BE INSTALLED AFTER FILLING AND COMPACTION IS COMPLETED.

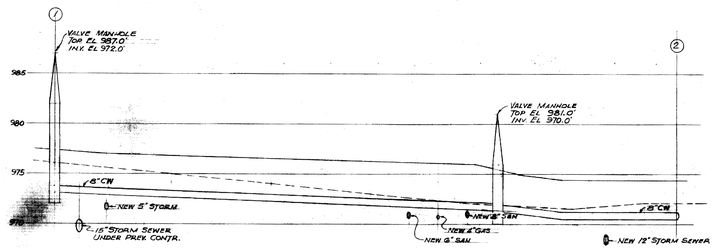


DETAIL OF SAND TRAP
NO SCALE

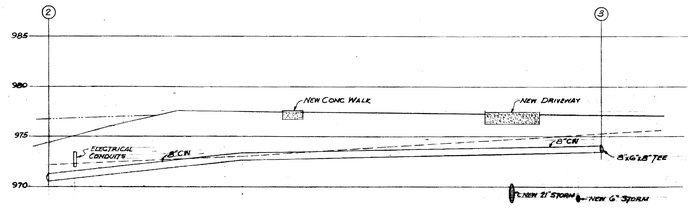


TYPICAL VALVE MANHOLE SECTION
SCALE: ⅜"=1'-0"

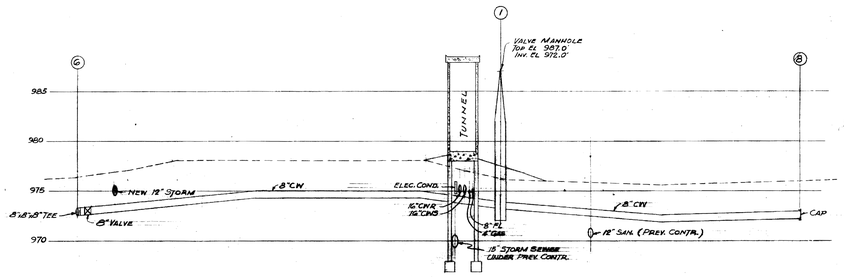

EXISTING FIRE HYDRANT
EXISTING WATER METER
PLUGGED TEE
TOP OF PIPE TO BE 5'-0" BELOW SURFACE OF STREET
EXISTING 6" CONNECTION TO MAIN
HUGUELET AVE.
TOP OF PIPE INVERT EL. 885.0 5'-0" BELOW HUGUELET AVE.
MECHANICAL JOINT VALVED OUTLET 8" LEXINGTON WATER COMPANY
TOP OF PIPE TO BE 5'-0" BELOW SURFACE OF STREET
TRENCHED IN CONC. 6" CONC. CURB
PLUGGED TEE
12" WATER MAIN
TRENCHED IN CONC.
PLUGGED TEE
12" WATER MAIN
TOP OF PIPE TO BE 5'-0" BELOW SURFACE OF STREET



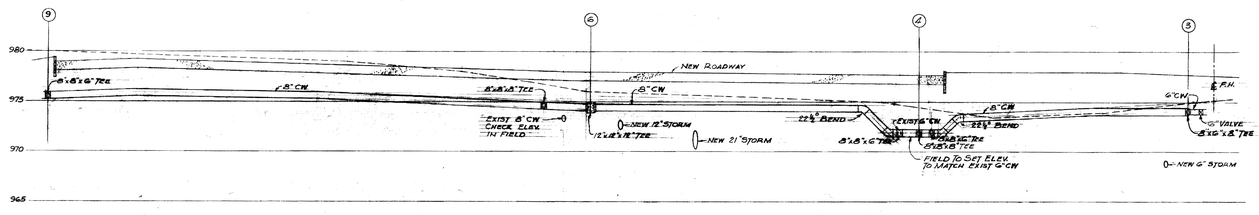
PROFILE 1-2



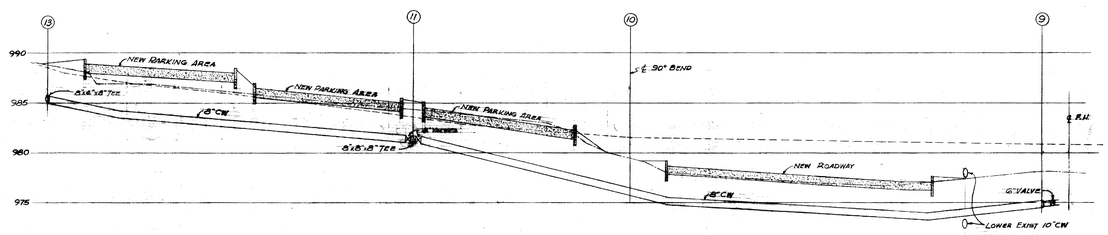
PROFILE 2-3



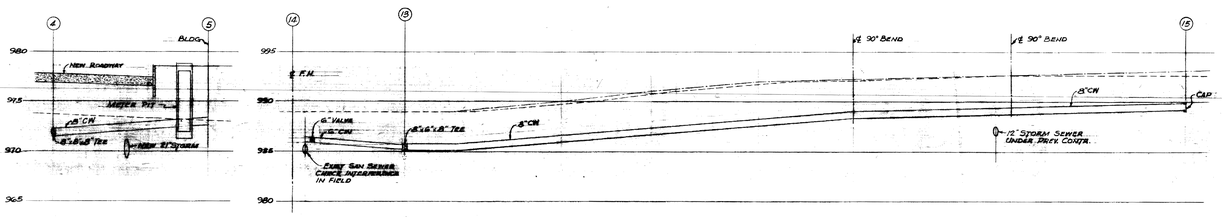
PROFILE 6-1-8



PROFILE 9-6-4-3



PROFILE 13-11-10-9



PROFILE 4-5

NOTE: 12" FL. TO BE RUN AT SAME ELEV. AS 8"CW

PROFILE 14-13-15

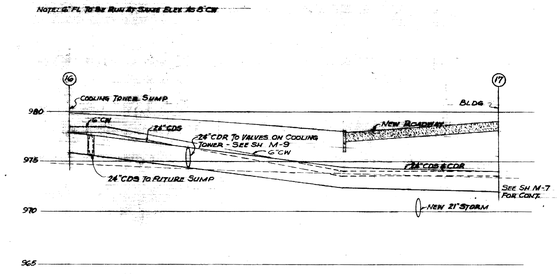
PROFILE 12-11

PROFILE 7-6

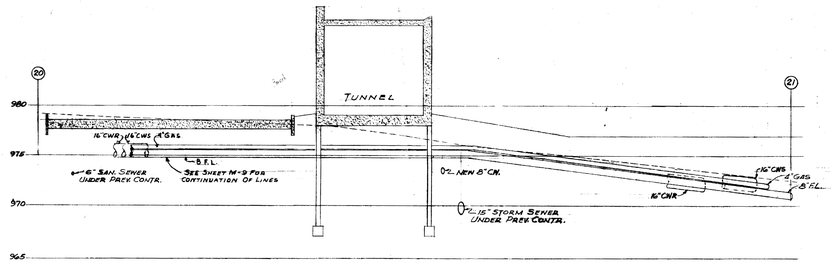
NOTE:
PROFILE NUMBERS REFER TO POINTS SHOWN ON SITE PLAN, SHEET U-1.

LEGEND

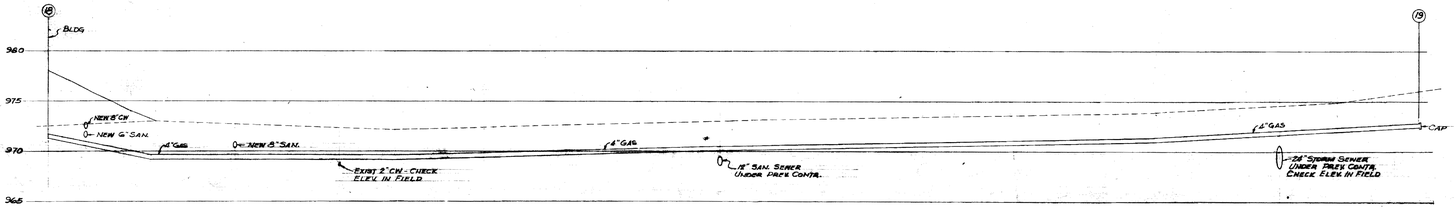
- EXISTING CONTOURS
- NEW CONTOURS UNDER THIS CONTRACT
- NEW CONTOURS UNDER PREVIOUS CONTRACT
- FUTURE CONTOURS



PROFILE 16-17



PROFILE 20-21



PROFILE 18-19

STATE OF KENTUCKY — ANGEL L. DAVIS 2716 — REGISTERED PROFESSIONAL ENGINEER

Angel L Davis

STATE OF KENTUCKY — J. VIRGIL PROCTOR 40 — REGISTERED PROFESSIONAL ENGINEER

J Virgil Proctor

PROCTOR-INGELS & ASSOCIATES
Angel L Davis
April 15, 1963

APPROVALS		
UNIVERSITY OF KENTUCKY		
BY		DATE
TITLE		
BY		DATE
TITLE		
BY		DATE
TITLE		
COMMONWEALTH OF KENTUCKY		
BY		DATE
TITLE		
BY		DATE
TITLE		
BY		DATE
TITLE		

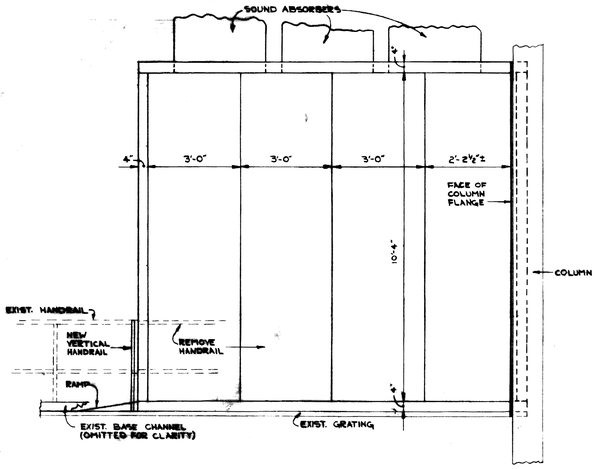
PLUMBING
HEATING, COOLING
PROFILES — SCALE: 1" = 20' HOR. 1" = 5' VERT.

HEATING & COOLING PLANT
& APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

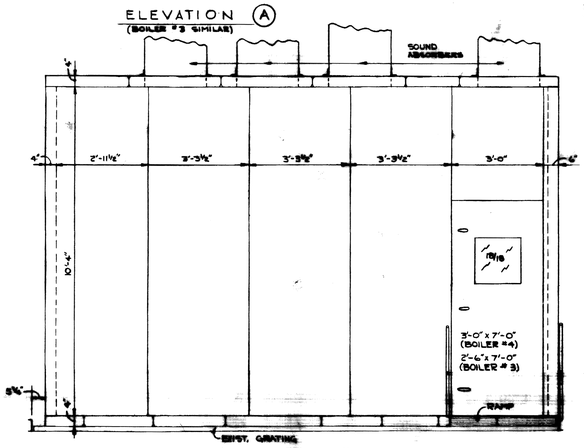
DRAWN BY	J.C.	DATE	FEB 24,95
TRACED BY	J.S.	SHEET NUMBER	U-2
CHECKED BY	E.S.	NO. OF SHEETS	
REVISIONS			

Merrimether, Marye & Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS — ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY — STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY — MECHANICAL ENGINEERS
JOB NUMBER 8902

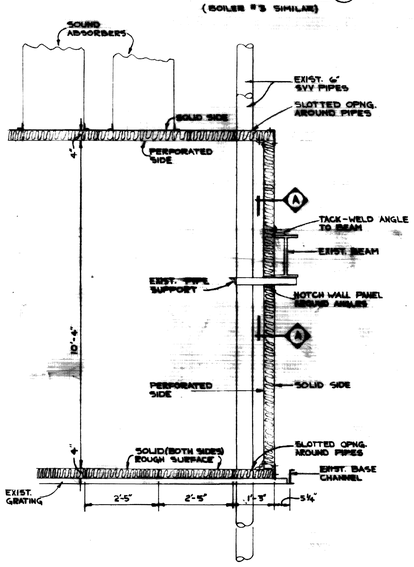
J-813



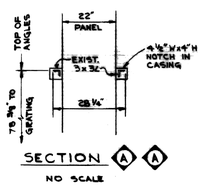
ELEVATION (A)
(BOILER #3 SIMILAR)



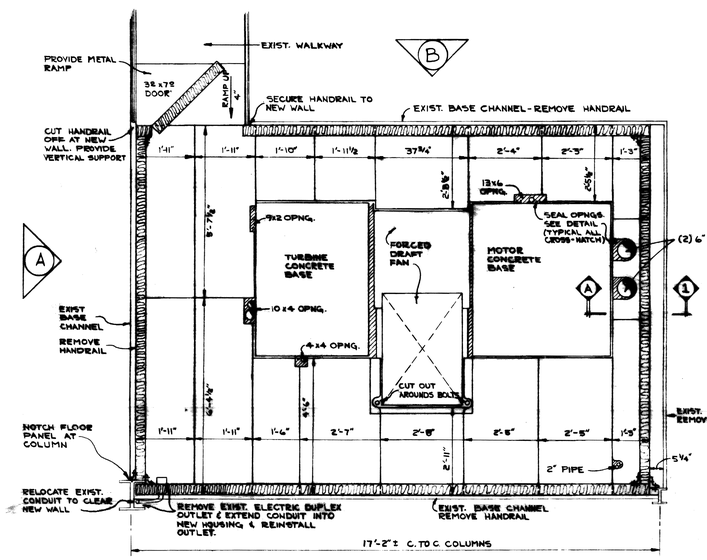
ELEVATION (B)
(BOILER #3 SIMILAR)



SECTION (A) (1)

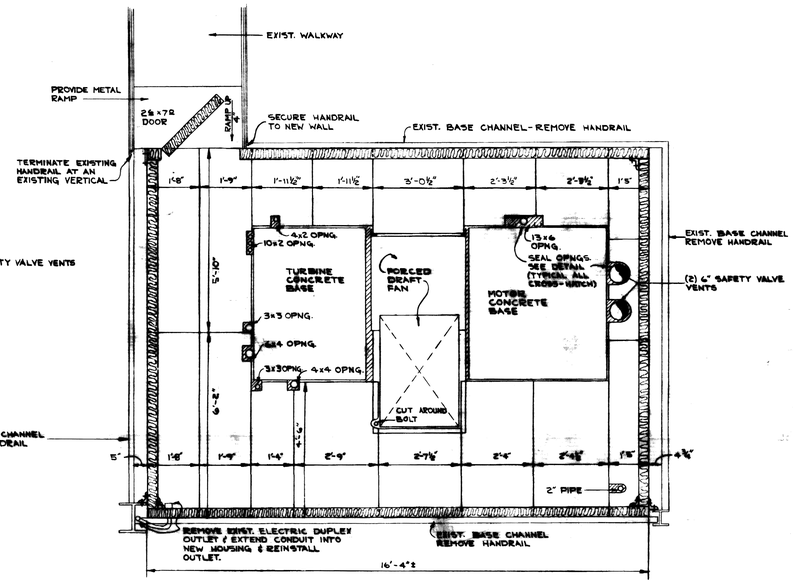


SECTION (A) (A)
NO SCALE



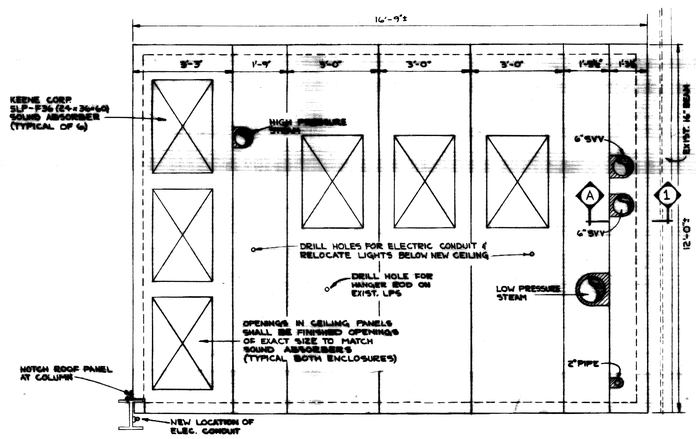
NOTE: VERIFY ALL DIMENSIONS

PLAN VIEW OF FLOOR & WALL PANELS ~ BOILER #4

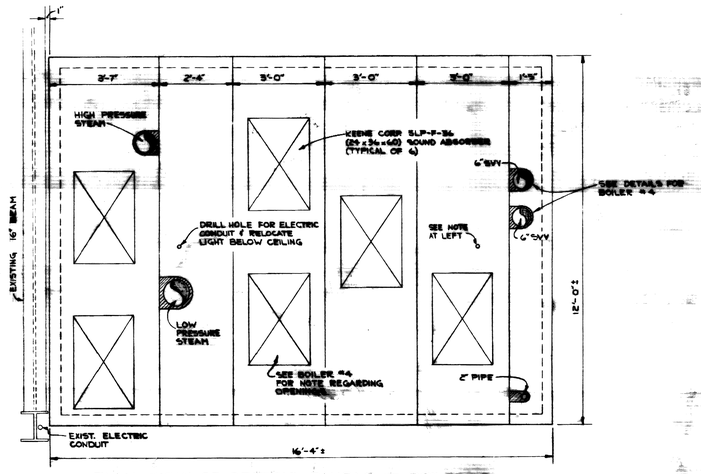


NOTE: VERIFY ALL DIMENSIONS

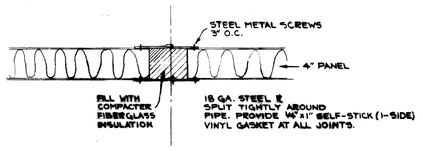
PLAN VIEW OF FLOOR & WALL PANELS ~ BOILER #3



PLAN VIEW OF CEILING PANELS ~ BOILER #4



PLAN VIEW OF CEILING PANELS ~ BOILER #3



DETAIL OF SEALING OPENINGS IN PANELS
NO SCALE

NOTE: UNLESS OTHERWISE NOTED, SCALE OF DRAWINGS IS ⅜" = 1'-0"

ACOUSTICAL ENCLOSURES
MEDICAL CENTER HEATING PLANT
UNIVERSITY OF KENTUCKY
LEXINGTON KENTUCKY

SCHEDULE OF DRAWINGS

1 PLAN VIEW & DETAILS

ENGINEERING FILE NO. U-386

STATE OF KENTUCKY HARLAN V. STAGGS 1015 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY THOMAS G. HARTIG 9466 REGISTERED PROFESSIONAL ENGINEER

PLAN VIEW & DETAILS
ACOUSTICAL ENCLOSURES
MEDICAL CENTER HEATING PLANT
UNIVERSITY OF KENTUCKY

SPEC. NO.	STAGGS AND FISHER CONSULTING ENGINEERS LEXINGTON, KENTUCKY	DRAWING NO. 1
DRAWN BY T.G.M.	COMMONWEALTH OF KENTUCKY DEPARTMENT OF FINANCE ENGINEERING DIVISION FRANKFORT KENTUCKY	TOTAL SHEETS 1
CHECKED BY T.G.M.		DATE JAN. 1975
REVISIONS		

APPROVED BY [signature] DATE 2-18-75
APPROVED BY [signature]

Cab. Slot Document #

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF FINANCE

ENGINEERING STAFF

HEATING & COOLING PLANT

AND APPURTENANT FACILITIES

MEDICAL CENTER

UNIVERSITY OF KENTUCKY

LEXINGTON, KENTUCKY

ARCHITECT: MERIWETHER, MARYE & ASSOCIATES

LEXINGTON, KENTUCKY

AS BUILT DRAWINGS · FEBRUARY 26, 1926

SCHEDULE OF DRAWINGS

130 C3

SITE & ARCHITECTURAL

- C-1 Site Development Plan
- C-2 Sewer Profiles & Details
- C-3 Drives & Paved Areas
- A-1 Floor Plans
- A-2 Roof Plan & Details
- A-3 Elevations & Cross Section
- A-4 Wall Sections & Details
- A-5 Stair Details
- A-6 Tunnel Plans, Sections & Details
- A-7 Tunnel Sections & Details

STRUCTURAL

133 C3

- S-1 Foundation & First Floor Framing Plan
- S-2 Mezzanine & Roof Framing Plan
- S-3 Foundation Details
- S-4 Boiler Foundation Plan & Details
- S-5 Cooling Tower Basin & Beam Schedule
- S-6 Tunnel and Details

MECHANICAL

133 C3

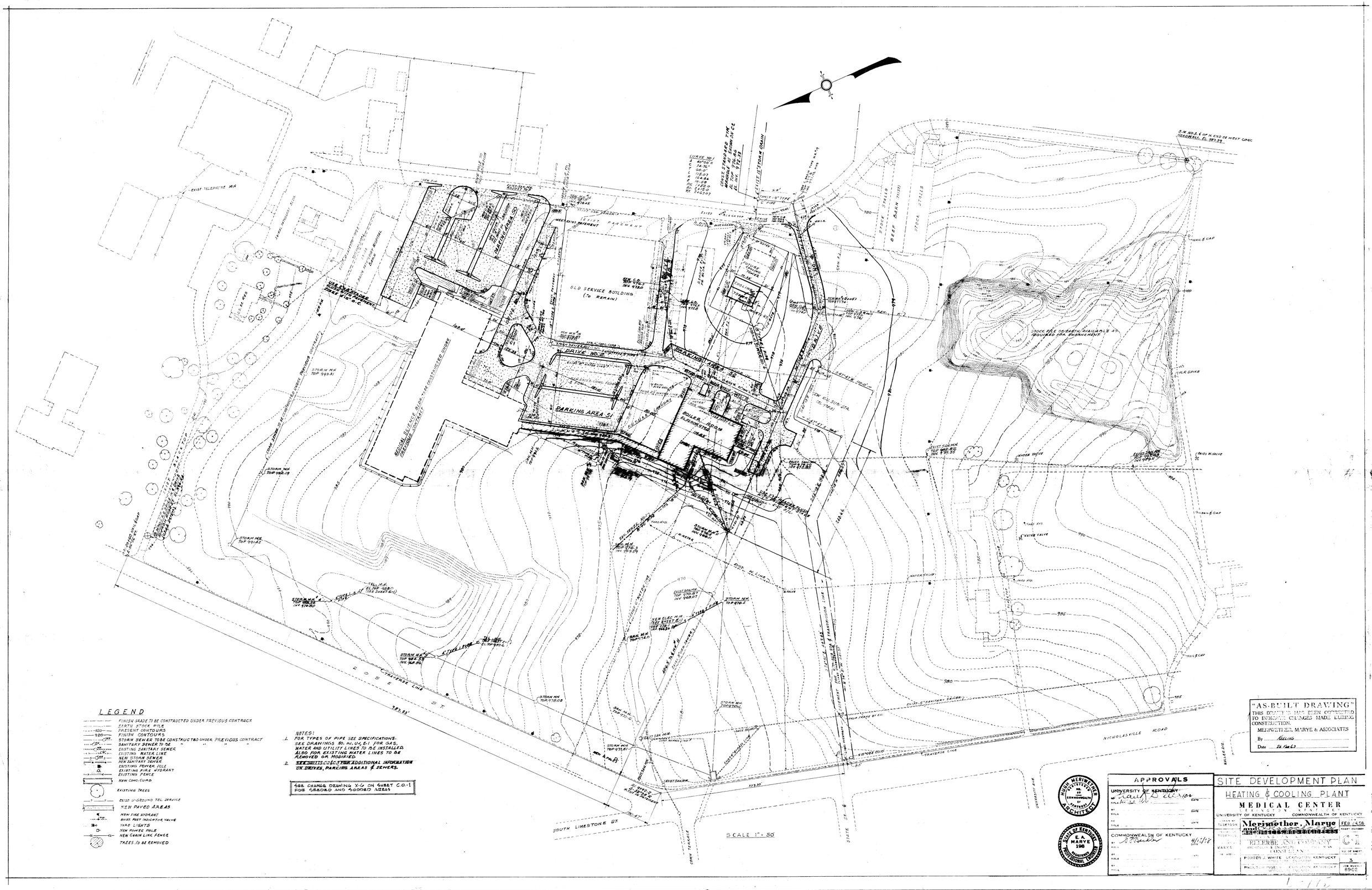
- U-1 Plumbing, Heating & Cooling Site Plan
- U-2 Plumbing, Heating & Cooling Profiles
- P-1 Plumbing - Basement Floor Plan
- P-2 Plumbing - First Floor Plan
- P-3 Plumbing - Mezzanine Floor Plan
- P-4 Plumbing Details
- M-1 Heating & Cooling-Basement Floor Plan
- M-2 Heating & Cooling-First Floor Plan
- M-3 Heating & Cooling-Mezzanine Floor Plan
- M-4 Heating & Cooling Flow Diagrams
- M-5 Heating & Cooling Flow Diagrams
- M-6 Heating & Cooling Temperature Control Diagrams
- M-7 Heating & Cooling Elevations
- M-8 Heating & Cooling Elevations
- M-9 Heating & Cooling Details
- E-1 Electrical - Site Plan
- E-2 Electrical - Single Line Diagrams
- E-3 Electrical - Basement Floor Plan
- E-4 Electrical - First Floor Plan
- E-5 Electrical - Mezzanine Floor Plan
- E-6 Electrical Details
- E-7 Electrical Wiring Diagrams
- E-8 Electrical Details

CHANGE ORDER DRAWINGS

- CO-1 ARCHITECTURAL CHANGES
- CO-2 STRUCTURAL CHANGES 130 C3

Color Not Processed 01827 133 C3

U-1



LEGEND

- FINISH GRADE TO BE CONSTRUCTED UNDER PREVIOUS CONTRACT
- EARTH STOCK PILE
- PRESENT CONTOURS
- FINISH CONTOURS
- STORM SEWER TO BE CONSTRUCTED UNDER PREVIOUS CONTRACT
- SANITARY SEWER TO BE " " " "
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- NEW STORM SEWER
- NEW SANITARY SEWER
- EXISTING POWER POLE
- EXISTING FIRE HYDRANT
- EXISTING FENCE
- NEW CONC. CURB
- EXISTING TREES
- EXIST. U-GROUND TEL. SERVICE
- NEW PAVED AREAS
- NEW FIRE HYDRANT
- EXIST. POST INDICATOR VALVE
- YARD LIGHTS
- NEW POWER POLE
- NEW CHAIN LINK FENCE
- TREES TO BE REMOVED

NOTES:

1. FOR TYPES OF PIPE SEE SPECIFICATIONS. SEE DRAWINGS No. M1, U4, E-1 FOR GAS, WATER AND UTILITY LINES TO BE INSTALLED. ALSO FOR EXISTING WATER LINES TO BE REMOVED OR MODIFIED.
2. SEE SHEETS C-2 & C-3 FOR ADDITIONAL INFORMATION ON DRIVES, PARKING AREAS & SEWERS.

SEE CHANGE DRAWING X-6 ON SHEET C.O.-1 FOR SEEDED AND SODDED AREAS

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Kleeling
Date 26 Feb 63

HUGH MERIWETHER — EXPIRES NO. 49 — COMMONWEALTH OF KENTUCKY — REGISTERED ARCHITECT

STATE OF KENTUCKY — E. A. MARYE — 198 — REGISTERED PROFESSIONAL ENGINEER

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY Frank D. Peterson	DATE
TITLE	DATE
BY	DATE
TITLE	DATE
COMMONWEALTH OF KENTUCKY	
BY E. A. Marye	4/13/66
TITLE	DATE
BY	DATE
TITLE	DATE
BY	DATE
TITLE	DATE

SITE DEVELOPMENT PLAN

HEATING & COOLING PLANT

MEDICAL CENTER

LEXINGTON KENTUCKY

UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

Merriwether, Marye and Associates
ARCHITECTS & ENGINEERS
CONSULTANTS

ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS
CONSULTANTS

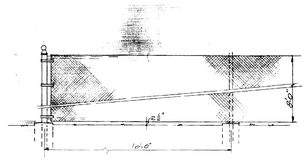
PORTER J. WHITE LEXINGTON KENTUCKY
ARCHITECT & ENGINEER

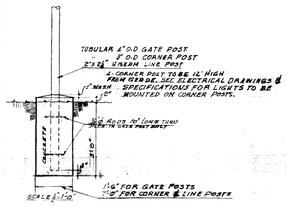
PROCTOR INGLE LEXINGTON KENTUCKY
ARCHITECT & ENGINEER

DATE FEB 24, 1966
SHEET NUMBER C-1
NO. OF SHEETS 3
JOB NUMBER 8902

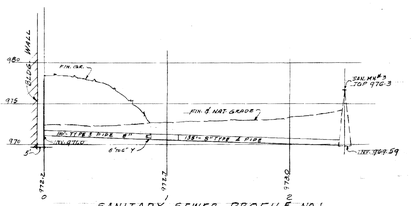
SECTION II - APPENDIX A
SOIL DATA

1. SEE DRAWING NO. C-1 & C-2
2. SEE DRAWING NO. C-1
3. NONE
4. a - SEE PLAT SUBMITTED WITH MASTER APPLICATION FOR ENTIRE MEDICAL CENTER.
   b - SEE DRAWING NO. C-1
   c - SEE DRAWING NO. C-1
   d - SEE DRAWING NO. C-1
   e - SEE DRAWING NO. C-1
   f - SEE DRAWING NO. C-1
   g - SEE DRAWINGS NO. C-1, P-1, E-1
   h - SEE DRAWING NO. C-1, P-1
   i - SEE DRAWING NO. C-1, C-2.
   j - U.S.G.S. - SEE DRAWING NO. C-1.
   k - SEE DRAWING NO. C-1 FOR PRESENT & FINISH CONTOURS AT 1' INTERVAL.
   l - SEE DRAWING NO. C-1
   m - WORK OTHER THAN DEVELOPMENT OF COMPLETE MEDICAL CENTER COVERED BY MASTER APPLICATION.
5. SEE PLAT SUBMITTED WITH MASTER APPLICATION FOR ENTIRE MEDICAL CENTER.
6. SUB SOIL INVESTIGATION OF ENTIRE AREA MADE BY LAW-BARROW-AGEE LABORATORIES & THEIR FINDINGS & RECOMMENDATIONS USED IN STRUCTURAL DESIGN.
7. SAMPLES OF SOIL & ROCK SUPPLIED BY LAW-BARROW-AGEE LABORATORIES AVAILABLE.
8. a - ALL FOUNDATIONS TO ROCK & ROCK SURFACE SHOWN ON DRAWINGS.
   b - NO APPRECIABLE QUANTITY ENCOUNTERED. DATA INCLUDED IN REPORT OF LAW-BARROW-AGEE LABORATORIES
   c - ROCK ELEVATIONS SHOWN ON DRAWINGS. NO PROBABLITY ENCOUNTERING QUICKSAND.
   d - 18"
   e - NO ADJACENT BODIES OF WATER
   f - NONE
   g - NO
   h - NOT UNDER LAID WITH MINES OR OTHER MAN-MADE SUBTERRANEAN PASSAGES.
   i - NO.

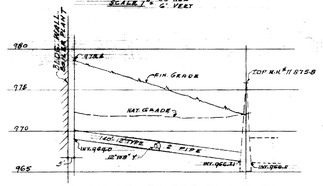




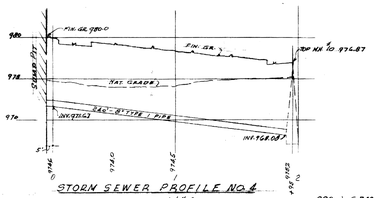
DETAIL OF CHAIN LINK FENCE



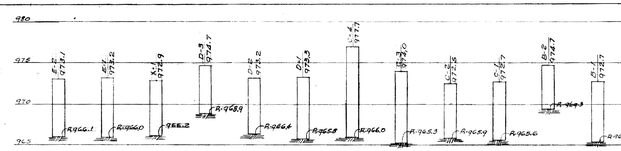
SANITARY SEWER PROFILE NO.1

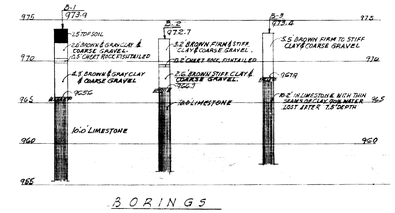


STORM SEWER PROFILE NO.3

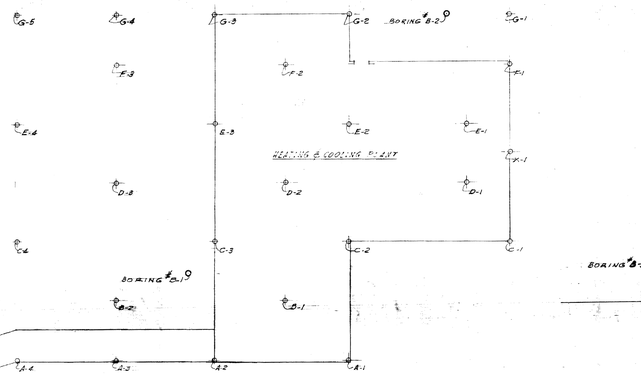


STORM SEWER PROFILE NO.4



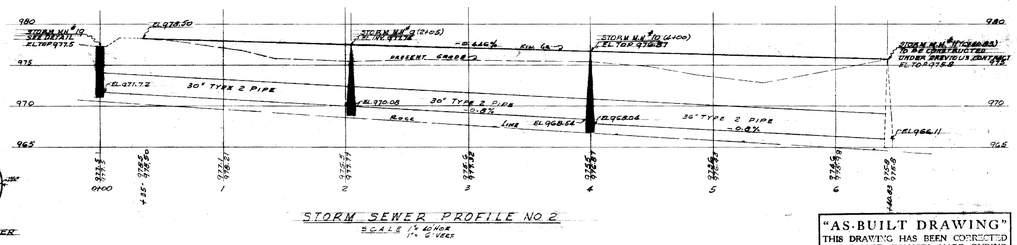


BORINGS

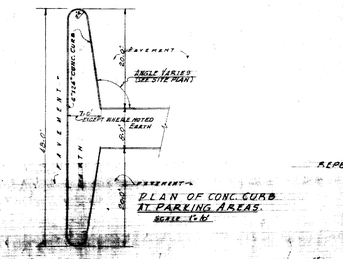


PLAN OF SOUNDINGS & BORINGS
SCALE 1"=60'

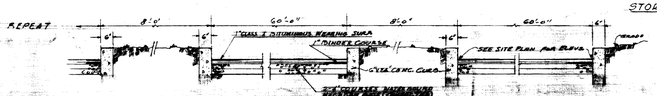
STORM SEWER PROFILE NO.1



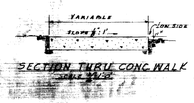
STORM SEWER PROFILE NO.2



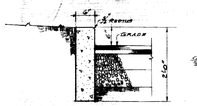
PLAN OF CONC. CURB AT PARKING AREAS.
SCALE 1"=1'0"



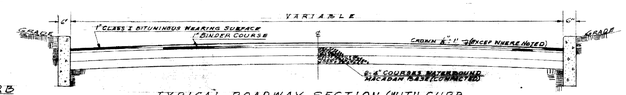
SECTION THRU PARKING AREAS
NO SCALE



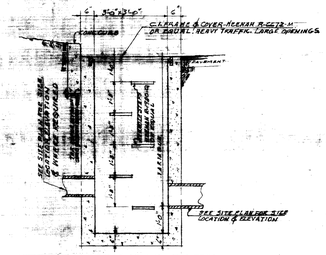
SECTION THRU CONC WALK
SCALE 3/4"=1'0"



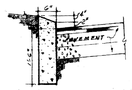
SECTION THRU CURB
SCALE 3/4"=1'0"



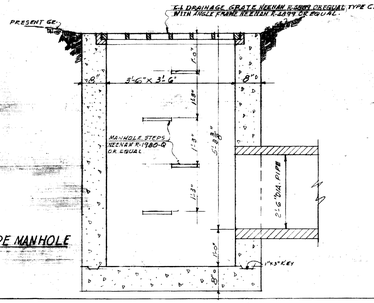
TYPICAL ROADWAY SECTION (WITH CURB
SCALE 1/4"=1'0"



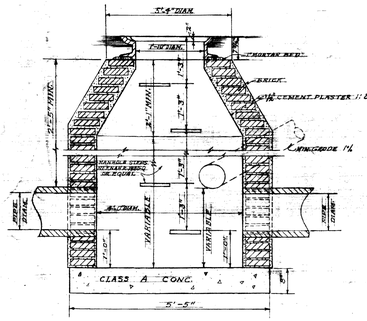
DETAIL OF CATCH BASIN
SCALE 3/4"=1'0"



DETAIL OF ENTRANCE CURB
(To be USED AS DIRECTED)
SCALE 3/4"=1'0"

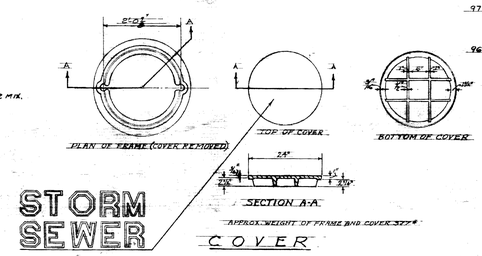


DETAIL OF CATCH BASIN TYPE MANHOLE NO.19
SCALE 3/4"=1'0"



A-A TYPICAL SECTION-STORM MANHOLE

STORM MANHOLE DETAILS
SCALE 1/4"=1'0"



STORM SEWER COVER

ALL STORM SEWER MANHOLE COVERS TO BE MARKED WITH THE WORDS "STORM SEWER" AS SHOWN ABOVE.

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Kennis
Date 24 FEB 63

HUGH MERIWETHER KENTUCKY REGISTERED ARCHITECT

E.A. MARYE 1961 REGISTERED PROFESSIONAL ENGINEER STATE OF KENTUCKY

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY E.A. Marye	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	

REVISIONS

SEWER PROFILES & DETAILS
HEATING & COOLING PLANT
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY THOMPSON | DATE FEB 24,58
TRACED BY THOMPSON | SHEET NUMBER C-2
CHECKED BY E.A.M.Y.E. | NO. OF SHEETS 3
JOB NUMBER 8902

Meriwether, Marye and Associates
ARCHITECTS & ENGINEERS
LEXINGTON, KENTUCKY

ELERBE AND COMPANY
ARCHITECTS & ENGINEERS ST. PAUL, MINN.
CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

PROCTOR-INGALLS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

1-776

NOTES:
1. DIMENSIONS OF ALL DRIVES & PARKING AREAS ARE TO FACE OF CURB.
2. SEE SEWER PROFILES FOR INVERT EL. OF SEWERS & MANHOLES. SHEET C-1 & C-2.

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ~~ASSOCIATES~~
By Keeling
Date 26 Feb 63

STATE OF KENTUCKY — E. A. MARYE 198 — REGISTERED PROFESSIONAL ENGINEER

HUGH MERIWETHER — REGISTERED NO. 69 — COMMONWEALTH OF KENTUCKY — ARCHITECT

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY [signature] TITLE [illegible]	DATE 4/1/59
BY ___ TITLE ___	DATE
BY ___ TITLE ___	DATE
COMMONWEALTH OF KENTUCKY	
BY [signature] TITLE ___	DATE
BY ___ TITLE ___	DATE
BY ___ TITLE ___	DATE

DRIVES & PAVED AREAS

HEATING & COOLING PLANT
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY THOMPSON	Meriwether, Marye [illegible] LEXINGTON, KENTUCKY	DATE FEB. 24. 58
TRACED BY THOMPSON	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	SHEET NUMBER C3
CHECKED BY EAM	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	3
REVISIONS	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 890.2

U-777

Cab # Slot C3 Document # 015840

·FIRST·FLOOR·PLAN· Scale 1/8" = 1'-0"

·MEZZANINE·FLOOR·PLAN· Scale 1/8" = 1'-0"

·PART·BASEMENT·PLAN· Scale 1/8" = 1'-0"
·SHOWING·TILE·PARTITION·DOORS & LOUVRE·

·DOOR·SCHEDULE·

MARK	SIZE	TH.	TYPE	JAMB	REMARKS.
A & A-1	2 - 3'-0" x 6'-8"	1¾"	1·		Provide Standard Astragal. See Detail sheet # A-6"
·B·	2'-8" x 7'-0"	"	2	1	
C	3'-6" x 7'-0"	"	3	2	
D	2 - 2'-6 x 7'-0"	"	4	3	
E	3'-0 x 6'-8"	"	3	4	
F	2 - 3'-0" x 7'-0"	"	5	5	Removable Transom - See Door Elev.
G	3'-0 x 7'-0"	"	6	5	
H	3'-0" x 7'-0"	"	6	5	
J	2'-8" x 7'-0"	"	7	5	Alum. Jalousie Set in Hollow Steel Door. Approx size 19"x50" - Complete with Screen.
K	2'-8" x 7'-0"	"	3	5	
L	2'-0" x 6'-8"	"	6	6	
M	ROLLING STEEL DOOR	—			See Detail - sheet # A-4
N	ROLLING STEEL FIRE DOOR	—			See Detail sheet # A-4
P	3'-0" x 6'-8"	1¾"	2	7	Door from Stair #1 Penthouse to Roof See Detail sheet # A-5

·TYPES OF DOORS·

TYPICAL·FRAME·DET.
1/2 F. S.

·PLAN·SHOWING·SUB·DRAINAGE·LINES·
No-scale.

SEC. THRU. DR. LINE

·SCHEDULE·OF·FINISHES·

·WALLS· (Masonry)

S.F.H. Tile - Smooth Face Hollow Tile to be used for all interior walls except as noted here-in as Face Tile.

Face Tile - to be use for all interior face of walls in OFFICE, LUNCH RM, TOILET & LOCKER ROOMS.

·SUSPENDED·ACCOUSTICAL TILE CEILINGS to be errected in OFFICE & LUNCH RMS.

FLOORS.

Concrete Surface Treated.	Asphalt Tile	Ceramic-Mosaic Tile.
All Floors except as noted	Met. Div. strip at all Doors. Floors in - OFFICE FILE ROOM. LUNCH ROOM LOCKER ROOM.	Floors in TOILET. RM.

·JAMB #6· ·JAMB #5· ·JAMB #4· ·JAMB #3· ·JAMB #2· ·JAMB #1·
Scale = 1½" = 1'-0"

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Keeling
Date 26 Feb 63

HUGH MERIWETHER REGISTERED NO. 69 COMMONWEALTH OF KENTUCKY ARCHITECT

STATE OF KENTUCKY E. A. MARYE 196 REGISTERED PROFESSIONAL ENGINEER

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY [signature] TITLE Vice Pres. Bus. Adm.	DATE 4/11/58
BY TITLE	DATE
BY TITLE	DATE
COMMONWEALTH OF KENTUCKY	
BY [signature] TITLE	DATE
BY TITLE	DATE
BY TITLE	DATE

FLOOR PLANS

HEATING & COOLING PLANT

MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY W.E.S. · TRACED BY W.E.S. · CHECKED BY MARYE · REVISIONS

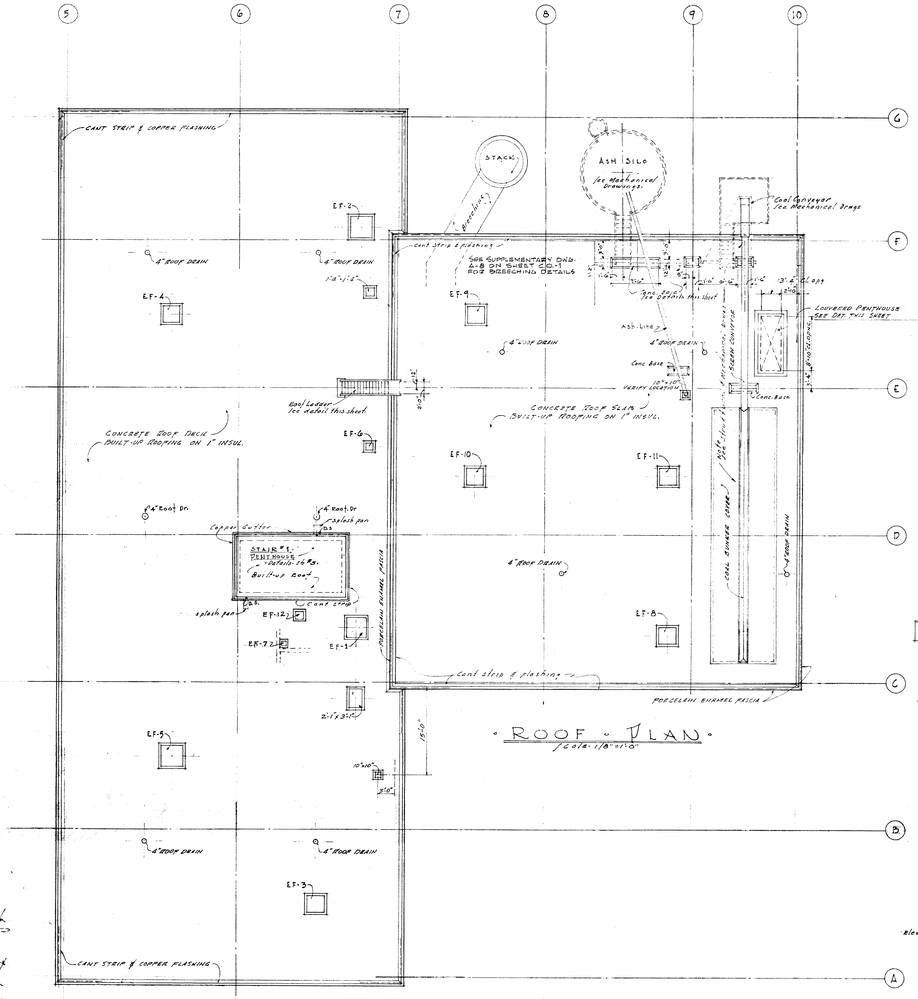
Meriwether, Marye and Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS - ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

DATE FEB. 24, 58
SHEET NUMBER A-1
NO. OF SHEETS 7
JOB NUMBER 8902

U-778

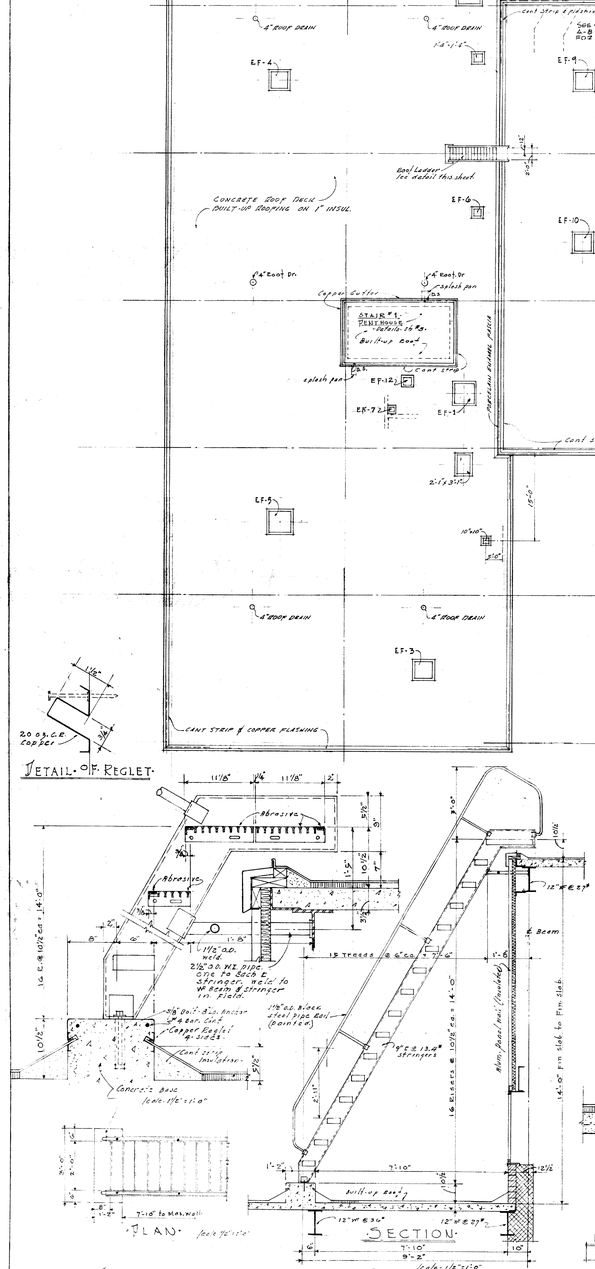
Cab # 132 Slot C-3 Document # 015841

122

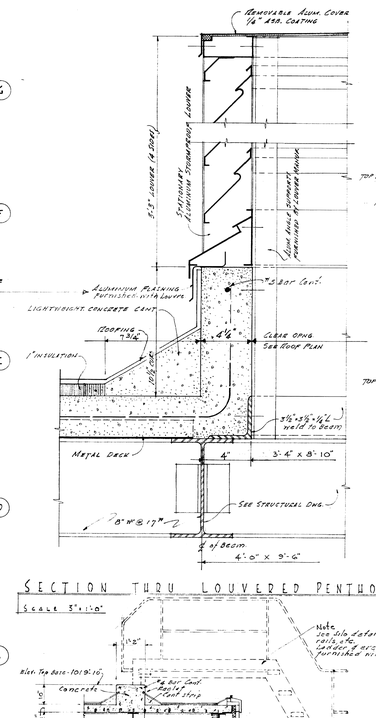


· ROOF · PLAN ·
Scale 1/8"=1'-0"

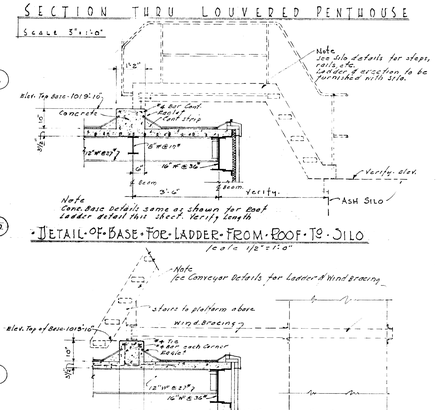
DETAIL · OF REGLET



· DETAIL · OF · ROOF · LADDER ·

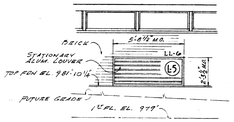


SECTION THRU LOUVERED PENTHOUSE
Scale 3"=1'-0"

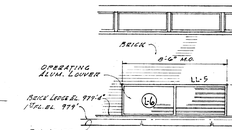


· DETAIL · OF · BASE · FOR · LADDER · FROM · ROOF · TO · SILO ·
Scale 1/8"=1'-0"

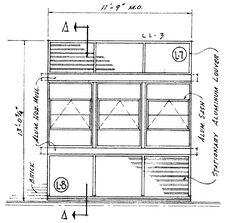
DETAIL · OF · BASE · FOR · CONVEYOR · LADDER · & · WINDBRACING ·
Scale 1/8"=1'-0"



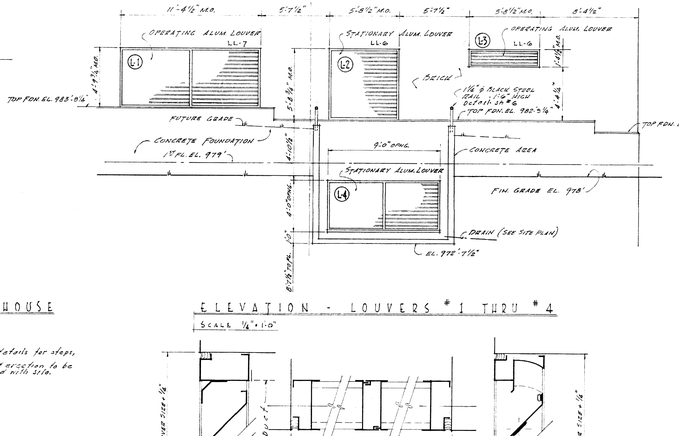
ELEVATION - LOUVER # 5
Scale 1/4"=1'-0"



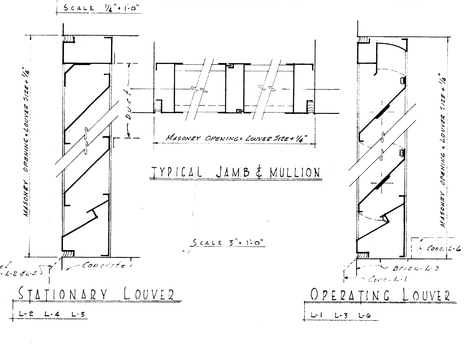
ELEVATION - LOUVER # 6
Scale 1/4"=1'-0"



ELEVATION - LOUVERS # 7 & # 8
Scale 1/4"=1'-0"

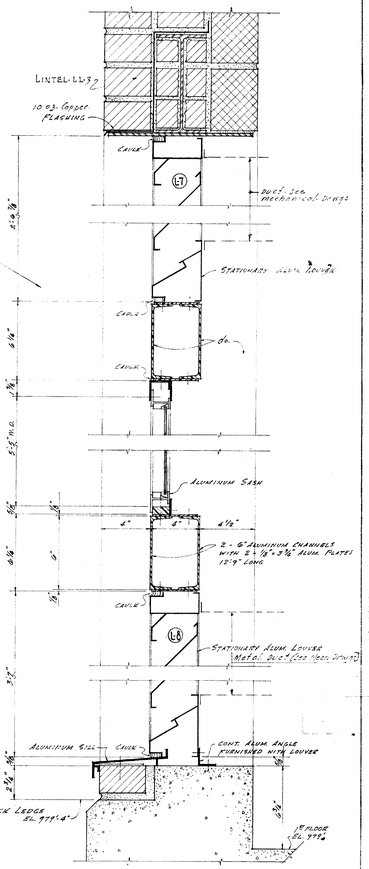


ELEVATION - LOUVERS # 1 THRU # 4
Scale 1/4"=1'-0"



STATIONARY LOUVER
L-2 L-4 L-8

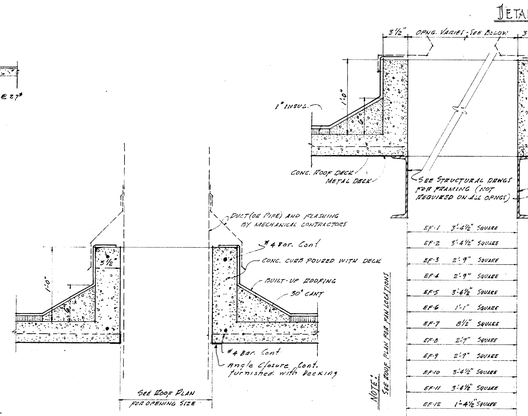
OPERATING LOUVER
L-1 L-3 L-6



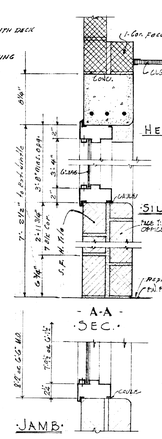
SECTION A - A
Scale 3"=1'-0"

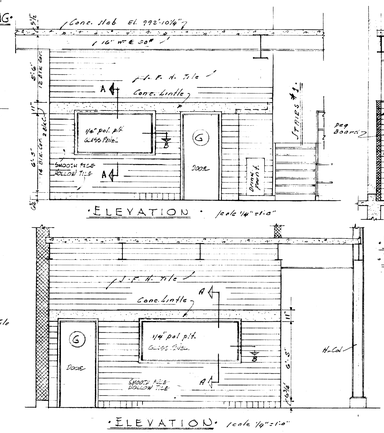
ELEVATIONS AND DETAILS OF WALL LOUVERS

CURB DETAIL FOR DUCT OPNGS
Scale 1/8"=1'-0"

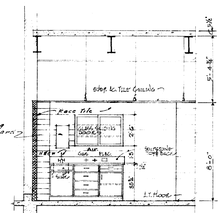


EXHAUST FAN CURB DETAIL
Scale 1/4"=1'-0"

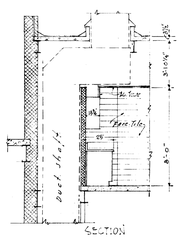


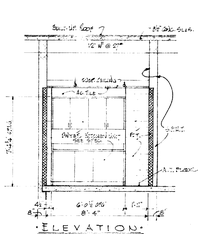


INTERIOR WINDOWS AT OFFICE
See Plan for Location



· ELEVATION · LABORATORY COUNTER · WALL CABINET & PEG BD. · IN · OFFICE ·





DWYER · KITCHEN UNIT · IN · LUNCH · RM ·
Scale 1"=1'-0"

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN MODIFIED TO REFLECT CHANGES MADE DURING CONSTRUCTION.
MELVIN L. FITCH, MARYE & ASSOCIATES
By _____ Marye
Date 2-28-1969

HUGH MARYE FITCH
REGISTERED ARCHITECT
KENTUCKY

E. A. MARYE
1981
REGISTERED PROFESSIONAL ENGINEER
STATE OF KENTUCKY

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY _____	DATE
TITLE _____	
BY _____	DATE
TITLE _____	
BY _____	DATE
TITLE _____	
COMMONWEALTH OF KENTUCKY	
BY _____	DATE
TITLE _____	
BY _____	DATE
TITLE _____	

ROOF PLAN & DETAILS

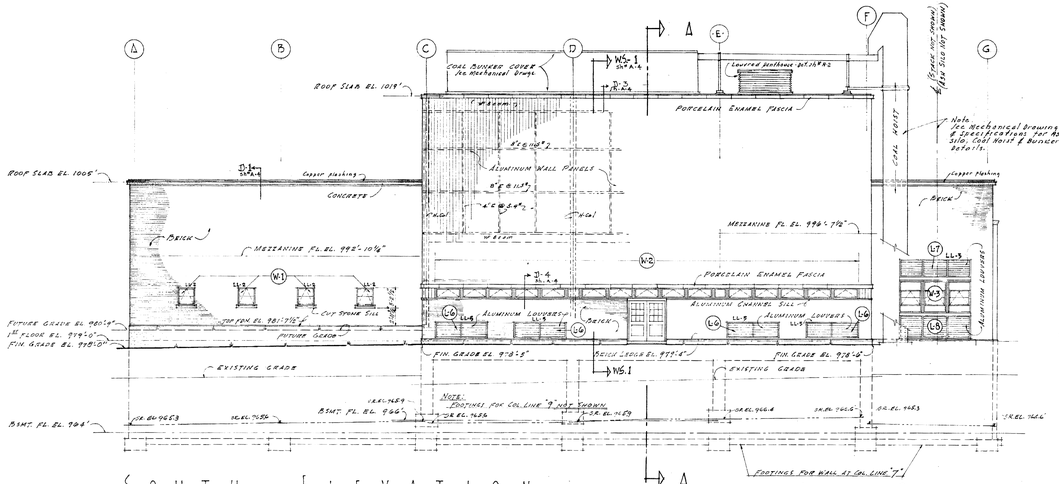
HEATING & COOLING PLANT
MEDICAL CENTER
LEXINGTON KENTUCKY
UNIVERSITY of KENTUCKY — COMMONWEALTH of KENTUCKY

DRAWN BY	CLARK	DATE	FEB 24, 69
TRACED BY	MARYE	SHEET NUMBER	A-2
CHECKED BY	CLARK	NO. OF SHEETS	7
REVISIONS		JOB NUMBER	8902

ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS · ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE · LEXINGTON, KENTUCKY — STRUCTURAL ENGINEERS
PROCTOR-INGELS · LEXINGTON, KENTUCKY — MECHANICAL ENGINEERS

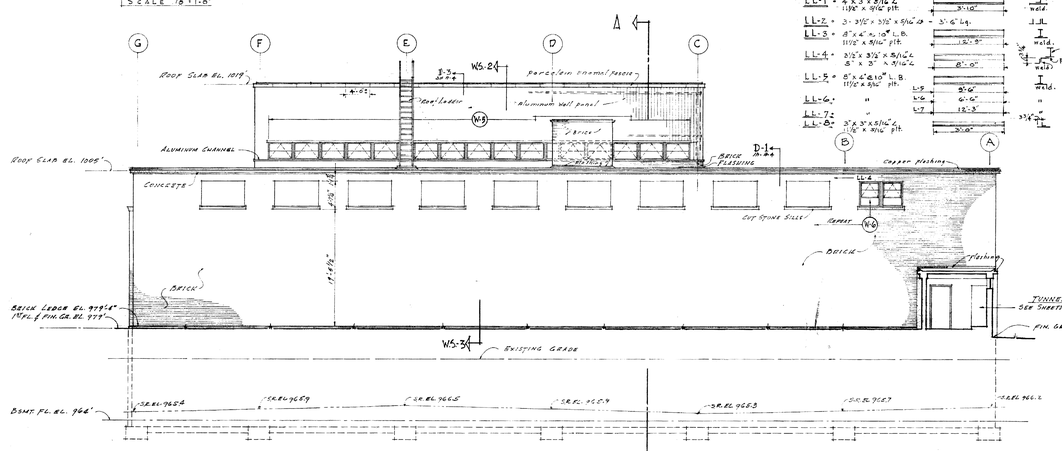
Color Slot Document # 121 C3 U-779

U-779



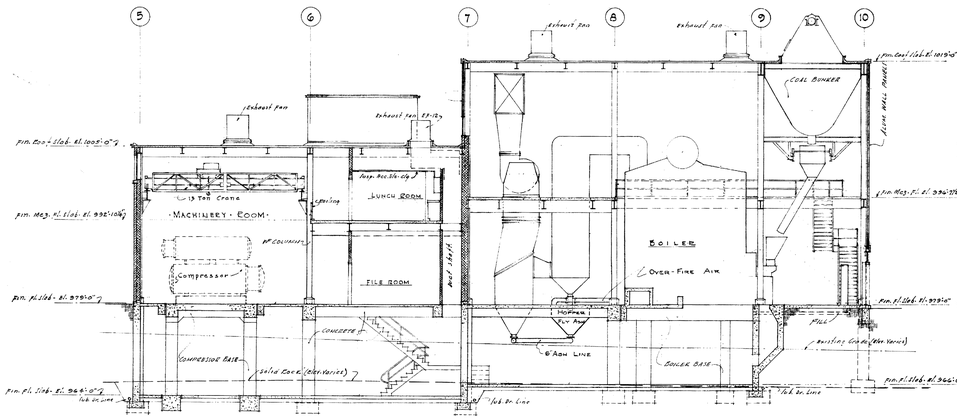
SOUTH ELEVATION

Scale 1/8" = 1'-0"



NORTH ELEVATION

Scale 1/8" = 1'-0"



SECTION A-A

Scale 1/8" = 1'-0"

LINTEL SCHEDULE

LL-1 - 4" x 3" x 5/16" L
1'-3½" x 5/16" Plt.

LL-2 - 3 - 3½" x 3½" x 5/16" ∠s — 5'-6" Lg.

LL-3 - 8" x 4" [18.7 Lb.
11'-0" x 5/16" Plt.

LL-4 - 3½" x 3½" x 5/16" L
8" x 3" x 5/16" L

LL-5 - 8" x 6" C 10.5 Lb.
11'-0" x 5/16" Plt.

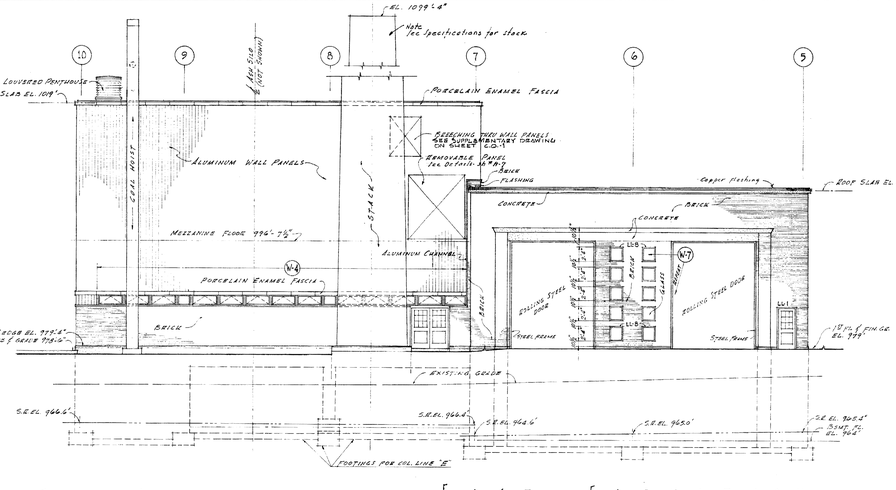
LL-6 - "

LL-7 - "

LL-8 - 3" x 3" x 5/16" L
1'-6" x 5/16" Plt.

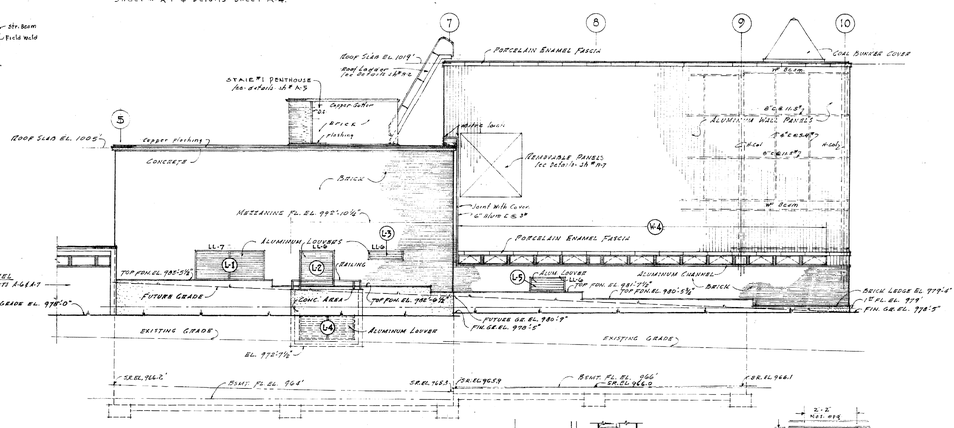
CONCRETE LINTELS

Lintles over Rolling Steel Doors - See Sheet "A-4.
Lintles over Interior Doors - See Door schedule Sheet "A-1 & Details Sheet "A-4.



EAST ELEVATION

Scale 1/8" = 1'-0"

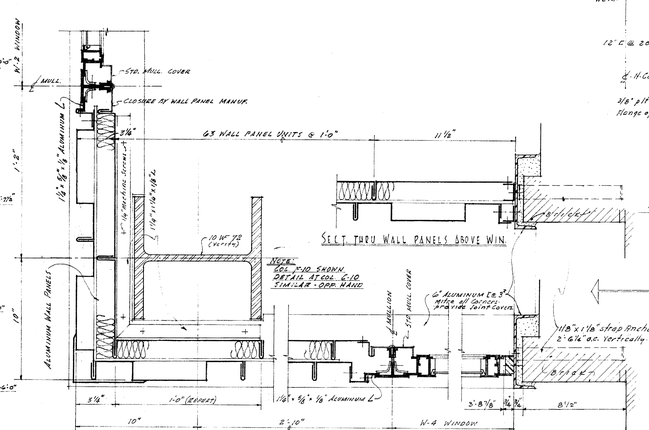


WEST ELEVATION

Scale 1/8" = 1'-0"

SECTION A-A

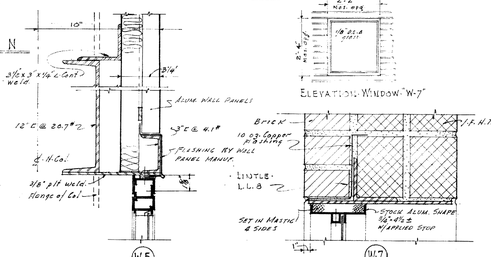
Scale 1/8" = 1'-0"



(W-2) JAMB
MULLIONS SIMILAR TO W-6
SEE WALL SECTION SHEET A-4 FOR HEAD & SILL

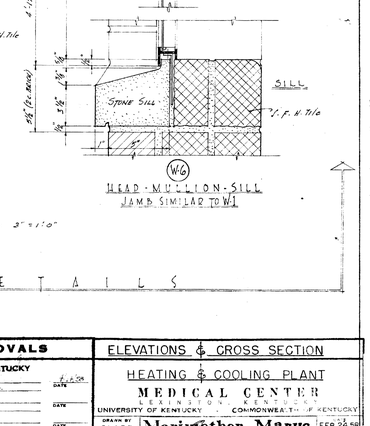
NOTE:
CORNER DETAIL SHOWN ABOVE ALSO APPLIES TO WALL PANELS ABOVE WINDOWS

(W-4) RIGHT & LEFT JAMBS
MULLIONS SIMILAR TO W-6



(W-5) HEAD
SEE WALL SECTION SH. A-4 FOR SILL
JAMB SIMILAR TO W-2
MULLION SIMILAR TO W-6

(W-7) HEAD
JAMB & SILL SIMILAR



(W-1) HEAD - JAMB - SILL

(W-6) HEAD - MULLION - SILL
JAMB SIMILAR TO W-1

c/c of c/c 3'-9 1/2"

WINDOW DETAILS

WINDOW SCHEDULE

MARK	QUANTITY	SIZE	TYPE	REMARKS
W-1	1	2'-8⅞" x 2'-9"	2 Arch Projected	
W-2	2	2'-0⅞" x 1'-5"	Fixed	
W-3	15	4'-0⅞" x 1'-5"	2 Arch. Projected	Pole Operated
	3	3'-2⅞" x 5'-5"	2 Arch. Projected	See Louver Det. Sh. A-3
W-4	2	2'-0⅞" x 1'-5"	Fixed	
	1	3'-8⅞" x 1'-5"	2 Arch. Projected	Pole Operated
	12	4'-0⅞" x 1'-5"	2 Arch. Projected	Pole Operated
W-5	2	2'-0⅞" x 2'-9"	Fixed	
	15	4'-0⅞" x 1'-5"	2 Arch. Projected	Miter Gear Oper. - See Plan
W-6	2	3'-4⅞" x 4'-1"	2 Arch. Projected	Miter Gear Oper. - See Plan
W-7	1	2'-2" x 2'-4"	Fixed	See Details Frame this Sheet
W-8	2	4'-0⅞" x 1'-5"	2 Arch. Projected	See Sh. A-6 for Detail
	3	4'-0⅞" x 1'-5"	Fixed	See Sh. A-6 for Detail

NOTES

- Quantity in Schedule refers to each opening - See Elevations for number of similar openings.

All Windows are Aluminum
All Windows are Glazed with D.S.B.

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MEIWETHER, MARYE & ASSOCIATES
By _____
Date 12/22/58

HUGH MERIWETHER — REGISTERED ARCHITECT — COMMONWEALTH OF KENTUCKY — NO. 65

E.A. MARYE 198 — REGISTERED PROFESSIONAL ENGINEER — STATE OF KENTUCKY

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	DATE
TITLE	

ELEVATIONS & CROSS SECTION

HEATING & COOLING PLANT
MEDICAL CENTER
KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY	CLARK	FEB. 24, 58
TRACED BY	CLARK	
CHECKED BY	MARYE	
REVISIONS		

Meriwether, Marye & Associates — Architects & Engineers — Lexington, Kentucky
Bethlehem and Company — Architects & Engineers — St. Paul, Minn.
Consultants:
Porter J. White - Lexington, Kentucky - Structural Engineers
Proctor-Ringels - Lexington, Kentucky - Mechanical Engineers

SHEET NO. A-3
NO. OF SHEETS 7
JOB NUMBER 8902

Cab # 132 Slot C3 Document # 018143

U-780

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Keeling
Date 26 Feb. 63

HUGH MERIWETHER · REGISTERED NO. 69 · COMMONWEALTH OF KENTUCKY · ARCHITECT

STATE OF KENTUCKY · E. A. MARYE 198 · REGISTERED PROFESSIONAL ENGINEER

APPROVALS

UNIVERSITY OF KENTUCKY
BY [signature] DATE 4/14/58
TITLE Vice Pres., Bus. Adm.
BY ________ DATE
TITLE ________
BY ________ DATE
TITLE ________

COMMONWEALTH OF KENTUCKY
BY [signature] DATE
TITLE ________
BY ________ DATE
TITLE ________
BY ________ DATE
TITLE ________

WALL SECTIONS & DETAILS

HEATING & COOLING PLANT

MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY M.E.S.
TRACED BY M.E.S.
CHECKED BY MARYE
REVISIONS

Meriwether, Marye and Associates
LEXINGTON, KENTUCKY

ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS · ST. PAUL, MINN.
CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

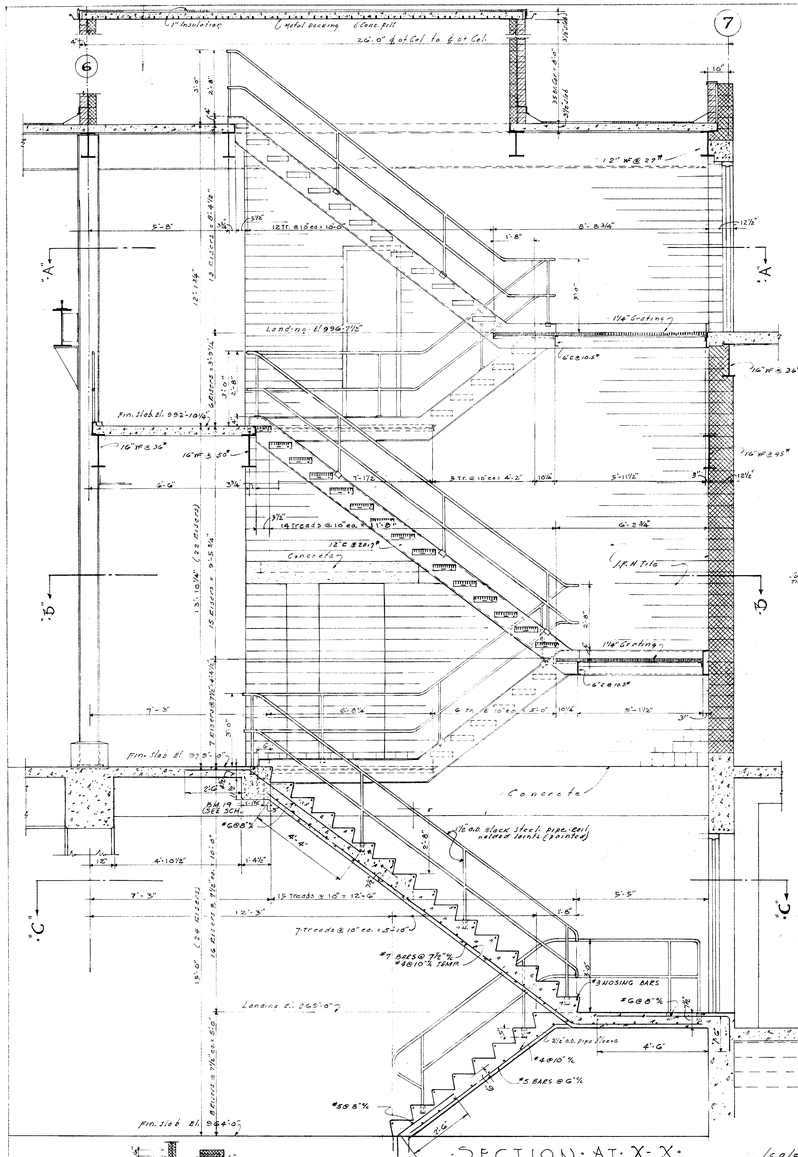
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

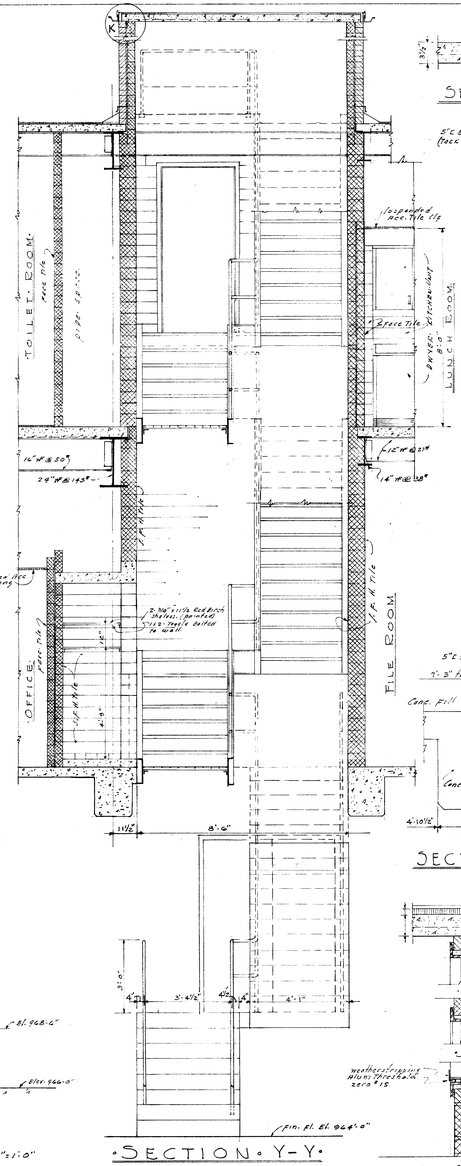
DATE FEB. 24, 58
SHEET NUMBER A·4
NO. OF SHEETS 7
JOB NUMBER 8902

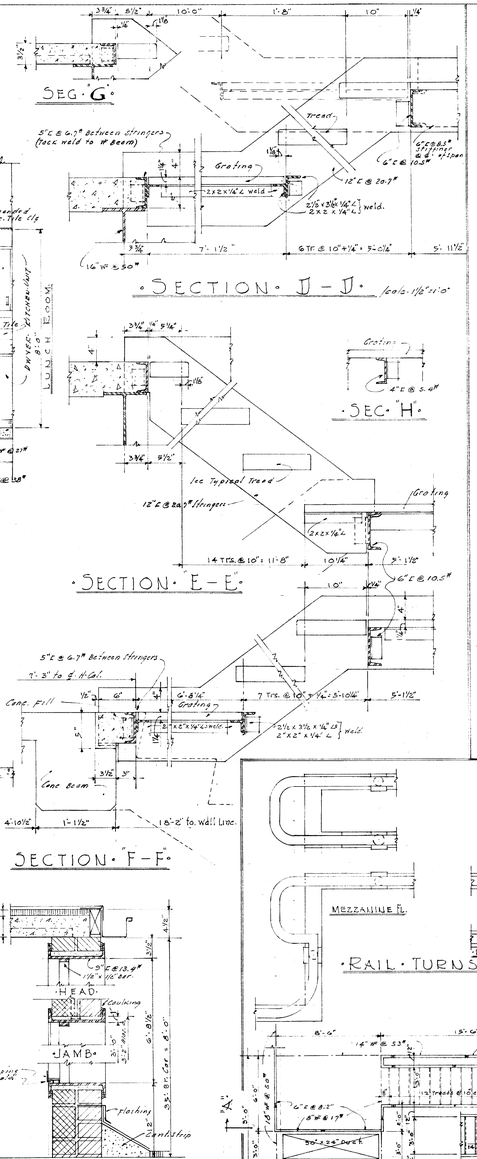
U-781

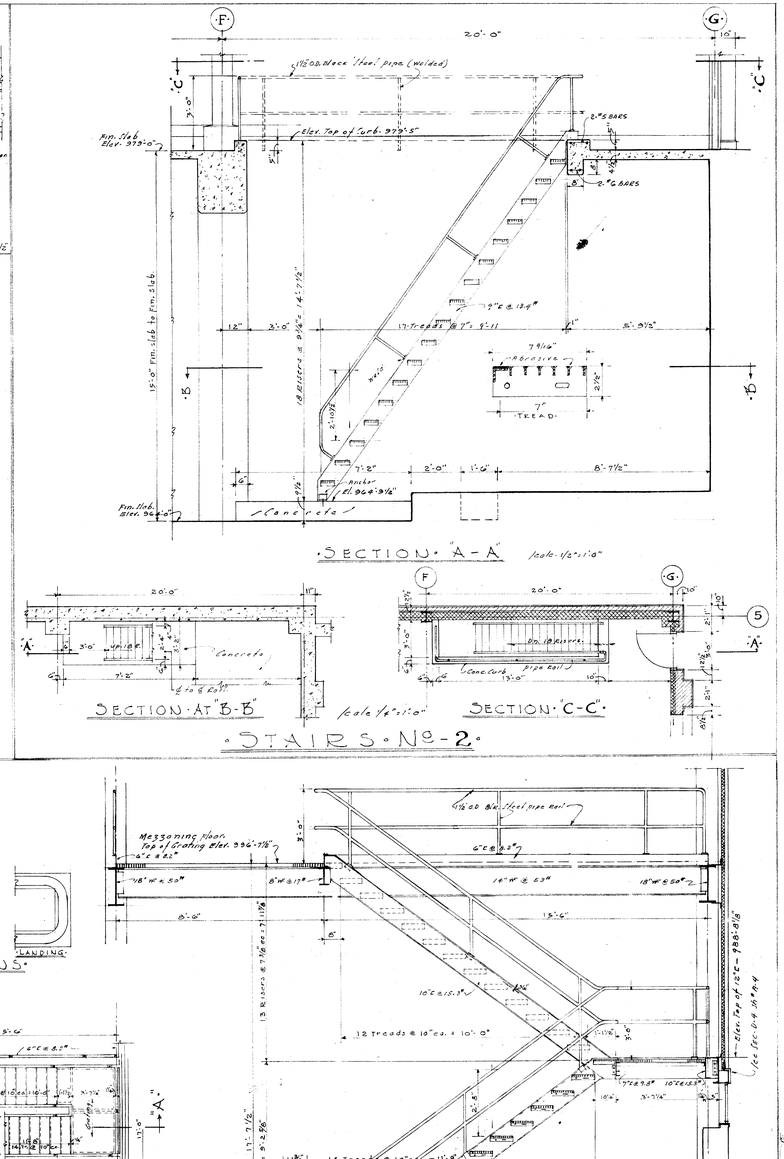
Cab # 132 Slot C-3 Document # 015844

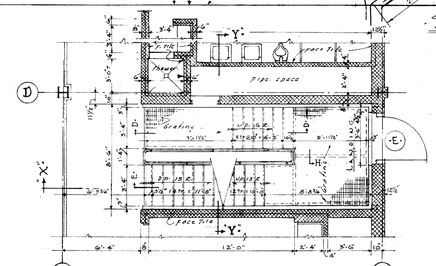
STAIRS · No-1

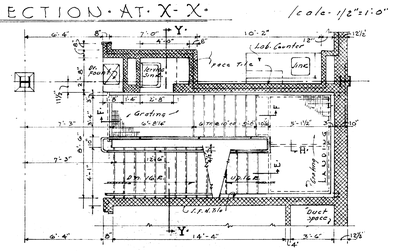


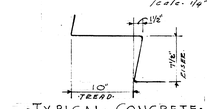


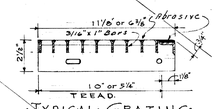


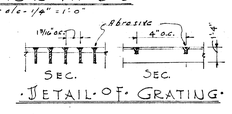




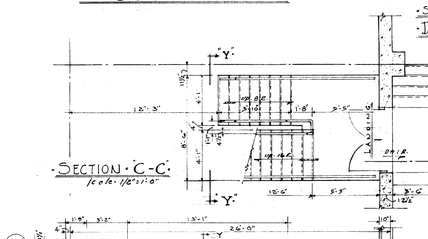


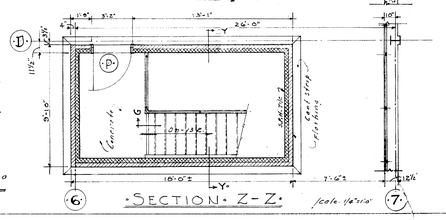


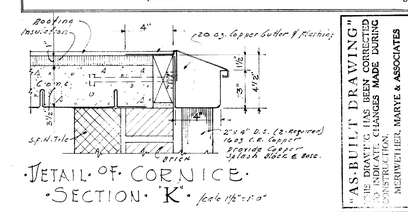


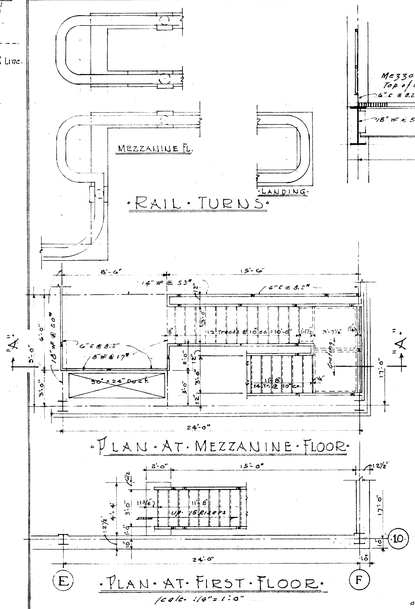


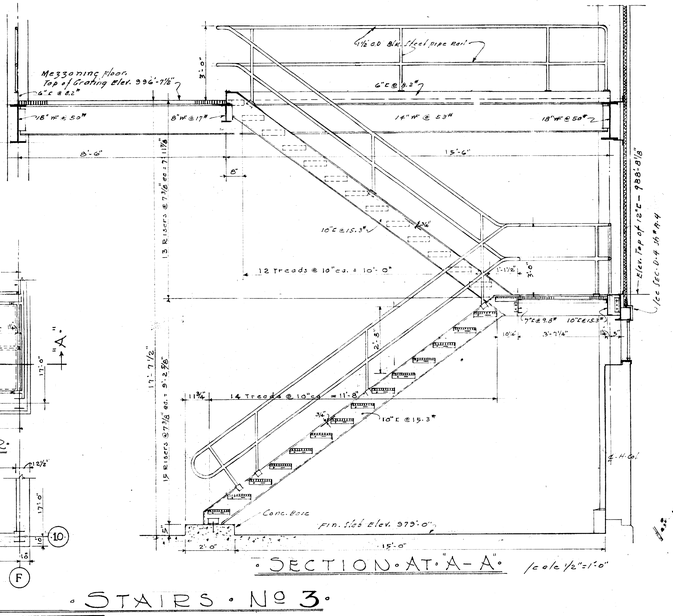
STAIRS · No-1











STAIRS · No 3 ·

"AS-BUILT DRAWING"
THE DRAWING HAS BEEN CORRECTED TO SHOW CONSTRUCTION CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By _____
Date _____

HIGH MERIWETHER REGISTERED ARCHITECT COMMONWEALTH OF KENTUCKY

STATE OF KENTUCKY E.A. MARYE 198 REGISTERED PROFESSIONAL ENGINEER

APPROVALS	
UNIVERSITY OF KENTUCKY	
By _____ Title Dir. Phys. Plt. Adm.	4/19/50 DATE
By _____ Title	DATE
By _____ Title	DATE
COMMONWEALTH OF KENTUCKY	
By _____ Title	DATE
By _____ Title	DATE
By _____ Title	DATE

STAIR DETAILS

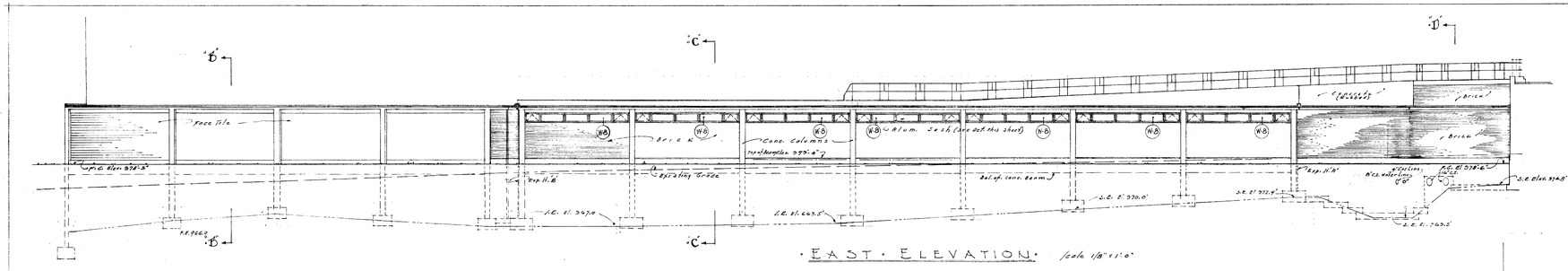
HEATING & COOLING PLANT
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWING BY WFZ.	JOB NO. FEB2458
TRACED BY WFZ.	SHEET NO. A-5
CHECKED BY MARYE	NO. OF SHEETS 7

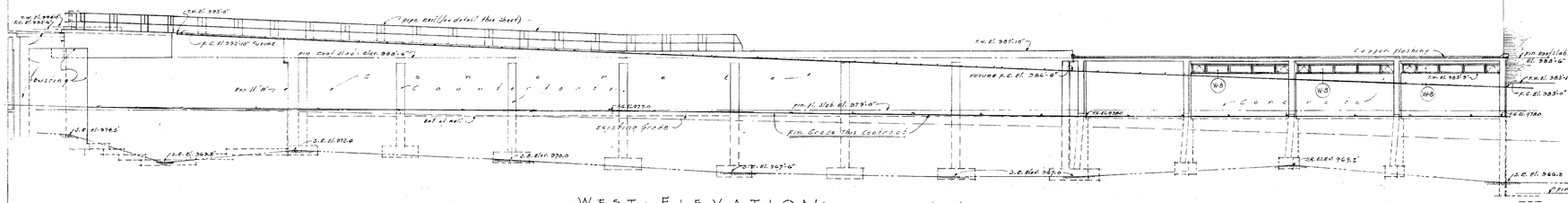
Meriwether, Marye & Associates
LEXINGTON, KENTUCKY
ARCHITECTS & ENGINEERS — CONSULTANTS

PLUEBE AND COMPANY — STRUCTURAL ENGINEERS — PORTER J. WHITE, LEXINGTON, KENTUCKY
PROCTOR INGELS, LEXINGTON, KENTUCKY — MECHANICAL ENGINEERS — JOB NO. 8902

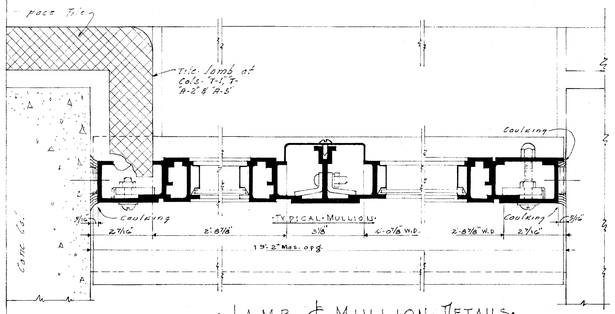
U-782



· EAST · ELEVATION · Scale 1/8"=1'-0"

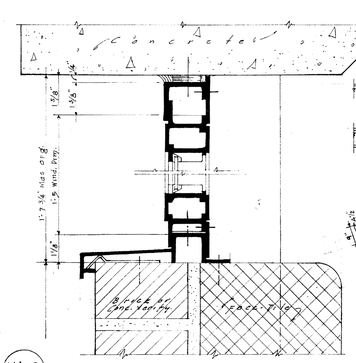


· WEST · ELEVATION ·

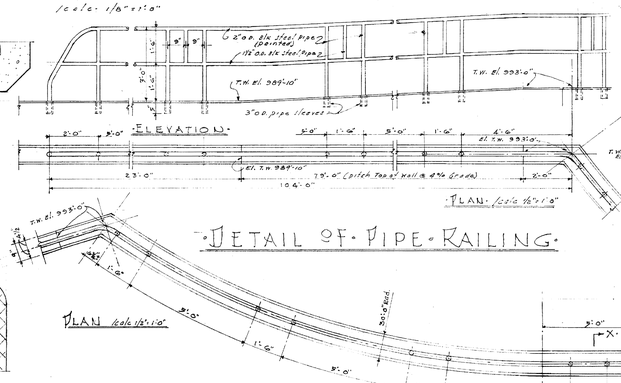


· JAMB & MULLION · DETAILS ·

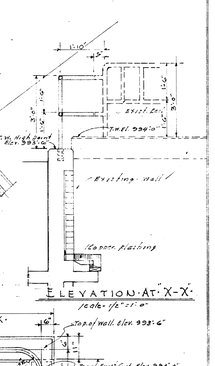
Scale - 1/2" F.S.



· HEAD & SILL · DETAILS ·



· DETAIL OF PIPE RAILING ·

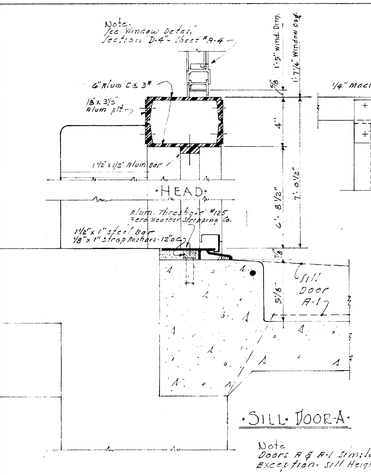


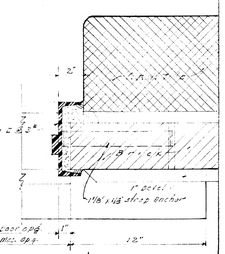
· ROOF · PLAN · Scale - 1/8"=1'-0"

· FLOOR · PLAN · Scale - 1/8"=1'-0"

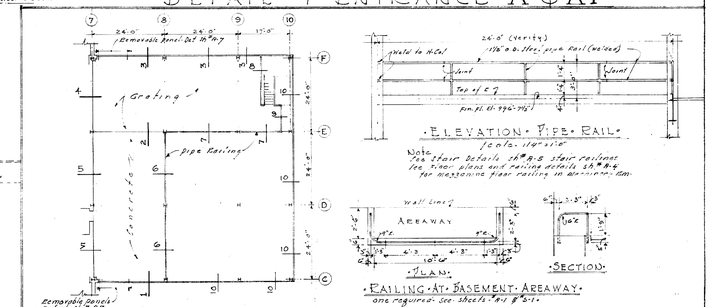
Note: See sheet #7 for Large scale plan.

· DETAILS · OF · WINDOWS · W-8 ·



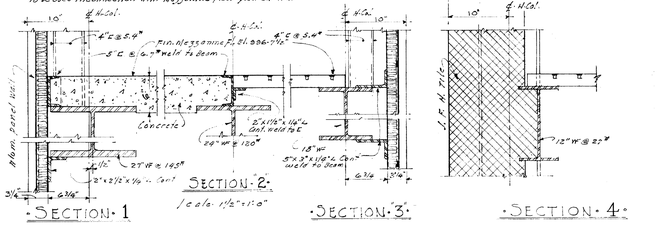


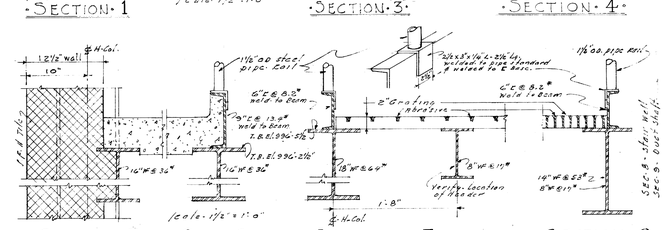
· DETAIL OF ENTRANCE · A · & · A-1 ·



· DIAGRAMATIC · MEZZANINE · FLOOR · PLAN ·

Note
To be used in connection with Mezzanine Floor plan Sh 4-1.





· DETAILS · OF · BOILER · RM. · MEZZANINE · FLOORS · & · RAILINGS ·

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CONSTRUCTED TO INDICATE CHANGES MADE DURING CONSTRUCTION. MARYE & ASSOCIATES
By
Date

HUGH MERIWETHER MARYE No. 1A COMMONWEALTH OF KENTUCKY ARCHITECT

E.A. MARYE 198 STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY	DATE 11/16/56
TITLE Vice Pres., Bus. Affairs	
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	

TUNNEL PLANS, ELEVATIONS & DETAILS

HEATING & COOLING PLANT

MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY	W.F.E.S.	DATE	FEB 6 '56
TRACED BY	W.F.E.S.	SHEET NUMBER	A-6
CHECKED BY	MARYE	NO. OF SHEETS	7
REVISIONS		JOB NUMBER	5902

Meriwether, Marye and Associates
LEXINGTON, KENTUCKY

ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS ST. PAUL, MINN.
CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

1/-783

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Keeling
Date 26 Feb 63

HUGH MERIWETHER REGISTERED NO. 69 COMMONWEALTH OF KENTUCKY ARCHITECT

STATE OF KENTUCKY E. A. MARYE 198 REGISTERED PROFESSIONAL ENGINEER

APPROVALS	
UNIVERSITY OF KENTUCKY	
BY [signature] TITLE Vice Pres., Bus. Adm.	DATE 6/14/58
BY TITLE	DATE
BY TITLE	DATE
COMMONWEALTH OF KENTUCKY	
BY [signature] TITLE	DATE
BY TITLE	DATE
BY TITLE	DATE

TUNNEL SECTIONS & DETAILS

HEATING & COOLING PLANT

MEDICAL CENTER

LEXINGTON, KENTUCKY

UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY W.E.S. · TRACED BY W.E.S. · CHECKED BY MARYE · REVISIONS

Meriwether, Marye and Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS - ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS

DATE FEB.24,58 · SHEET NUMBER A·7 · NO. OF SHEETS 7 · JOB NUMBER 5902

Cab # 132 Slot C3 Document # 015847

3

U-784

FOUNDATION & BASEMENT PLAN

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

NOTE:
- R.E. DENOTES ESTIMATED ROCK ELEVATION
- F.E. DENOTES BOTTOM OF FOOTING ELEVATION
- FOR LOCATIONS OF FLOOR DRAINS SEE MECHANICAL DRAWINGS

FIRST FLOOR FRAMING PLAN

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

NOTE:
- ELEVATION OF FIRST FLOOR SLAB 979'-0" UNLESS OTHERWISE MARKED.
- FOR CONCRETE FRAME SCHEDULE SEE SHEET S-5.
- BOT. EL. OF ALL COL. BASE #'S IS 979'-1". PROVIDE 1/4" GROUT = 1/4 LEVELING IN UNDER ALL BASE #'s.

SECTION A-SI

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

SECTION B-SI

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

PLAN OF LIFT OPENING

SECTION C-SI

SCALE ~ 3" = 1'-0"

SECTIONS THRU REMOVABLE SLAB

TYP. TRENCH SECTION

SCALE ~ 1" = 1'-0"

SECTION D-SI

SCALE ~ 1" = 1'-0"

TYPICAL GRADE BEAM

SCALE ~ 1" = 1'-0"

SECTION E-SI

TYPICAL INTERIOR COLUMN BASE

TYPICAL EXTERIOR COLUMN BASE

COLS. B-6, C-6, D-6, E-6, F-6, D-7, D-8, D-9, E-7, E-8 & E-9

COLS. B-5, C-5, D-5, E-5 & F-5

COL. A-5

COL. A-6, C-9, F-8, F-9 & G-6 (D-10 & E-10 SIMILAR EXCEPT TURN COL. ON BASE ℄)

* DO NOT POCKET FOR COLS. A-6, A-7 & C-9 SET COLUMNS BEFORE POURING UPPER SECTION OF WALL.

COL. A-7, C-10 & G-7

COL. F-7

COL. C-8

COL. F-10 G-5 (OPP. HAND)

COL. B-7

COL. C-7

COLUMN BASE PLATE PLANS

COMPRESSOR PAD NOTE:
PROVIDE AND SET 28 - 7/8" ø x 3'-0" ANCHOR BOLTS WITH SLEEVES TO SUIT MECHANICAL EQUIPMENT.

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION
MERIWETHER, MARYE & ASSOCIATES
By J. McReynolds
Date MARCH 63

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

APPROVALS	
UNIVERSITY OF KENTUCKY	
WE	4/1/62 DATE
WHITE 10/17/62	DATE
BY	DATE
TITLE	
BY	DATE
TITLE	
COMMONWEALTH OF KENTUCKY	
BY	DATE
TITLE	
BY	DATE
TITLE	
BY	
TITLE	

FOUNDATION & FIRST FL. FRAMING PLAN

HEATING & COOLING PLANT
AND APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY

DRAWN BY F.L.W.	REVISIONS
TRACED BY J.G.-J.S.	
CHECKED BY T. McR.	

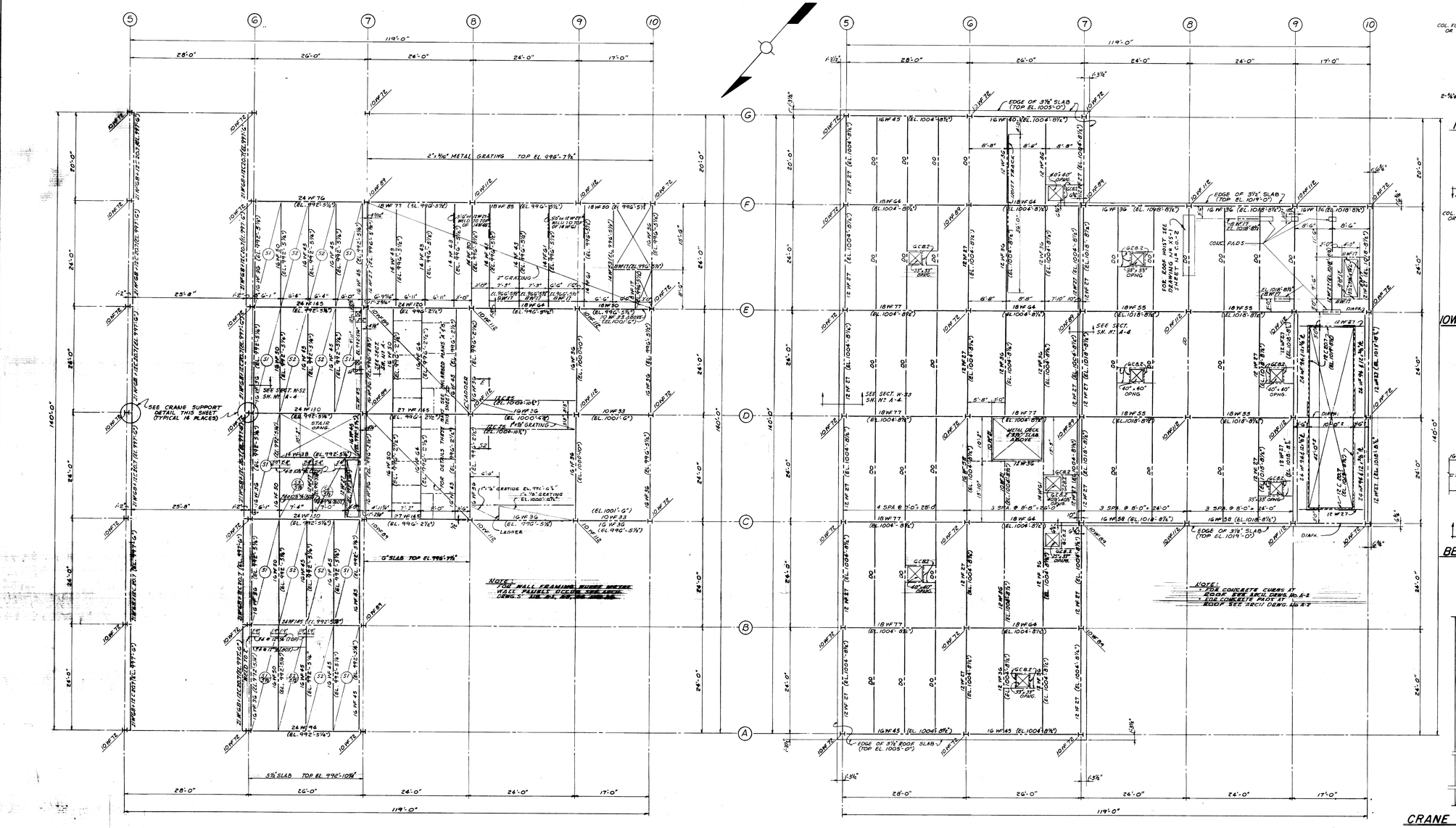
Meriwether, Marye & Associates
ARCHITECTS & ENGINEERS
LEXINGTON, KENTUCKY

ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS — ST. PAUL, MINN.
CONSULTANTS

PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	6
PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	

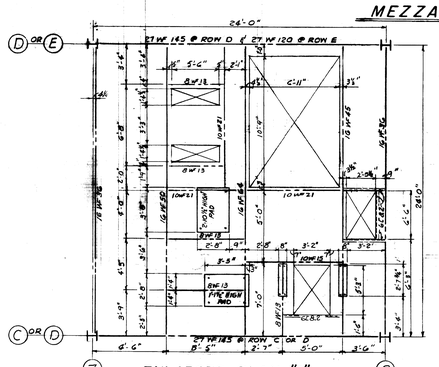
SHEET NUMBER S1
NO. OF SHEETS
JOB NO. 8902

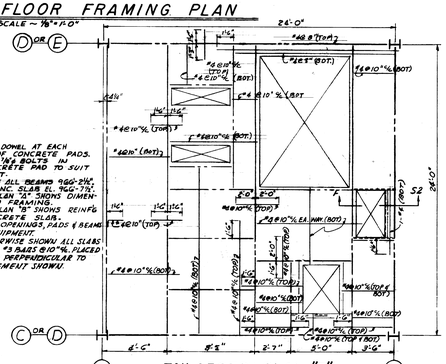
U-785



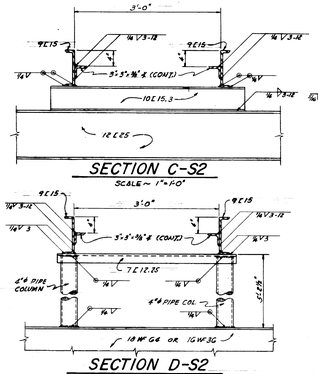
MEZZANINE FLOOR FRAMING PLAN

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



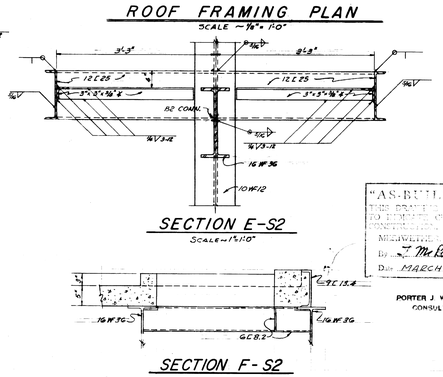


NOTES:
- PROVIDE #6 DOWEL AT EACH CORNER OF CONCRETE PADS.
- PROVIDE 4-¾" BOLTS IN EACH CONCRETE PAD TO SUIT EQUIPMENT.
- ELEV. TOP OF ALL BEAMS 996'-2⅛".
- TOP OF 6" CONC. SLAB EL. 996'-7½".
- ENLARGED PLAN "A" SHOWS DIMENSIONS AND FRAMING.
- ENLARGED PLAN "B" SHOWS REINFG. IN 6" CONCRETE SLAB.
- LOCATION OF OPENINGS, PADS & BEAMS TO SUIT EQUIPMENT.
- UNLESS OTHERWISE SHOWN ALL SLABS SHALL HAVE #3 BARS @10"c/c, PLACED ABOVE AND PERPENDICULAR TO REINFORCEMENT SHOWN.



ROOF FRAMING PLAN

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

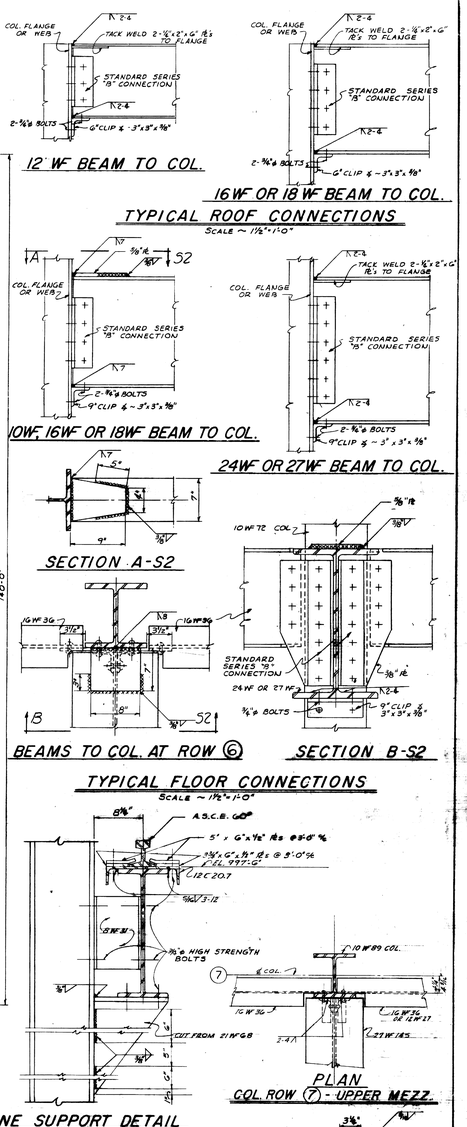


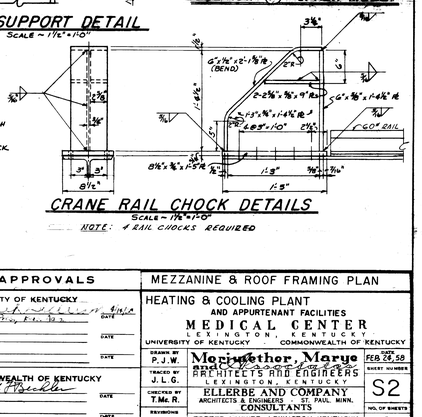
"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO REFLECT CHANGES MADE DURING CONSTRUCTION
MCILVAINE, MARYE & ASSOCIATES
By: J. McReynolds
Date: MARCH 63

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

STATE OF KENTUCKY — PORTER J. WHITE 1177 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY — THOMAS J. McREYNOLDS 3408 REGISTERED PROFESSIONAL ENGINEER





APPROVALS	MEZZANINE & ROOF FRAMING PLAN
UNIVERSITY OF KENTUCKY	HEATING & COOLING PLANT AND APPURTENANT FACILITIES
BY _____ DATE 4/14/58	MEDICAL CENTER
TITLE Supt. Bldg. Ext. Svs.	LEXINGTON, KENTUCKY
BY _____ DATE	UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY
TITLE _____	DRAWN BY P.J.W. — TRACED BY J.L.G. — CHECKED BY T.Mc.R. — DATE FEB 24, 58
BY _____ DATE	McILVAINE, MARYE & ASSOCIATES ARCHITECTS AND ENGINEERS LEXINGTON, KENTUCKY
TITLE _____	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS
COMMONWEALTH OF KENTUCKY	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
BY _____ DATE	PROCTOR-INGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS
TITLE _____	SHEET NUMBER S2 — NO. OF SHEETS 6 — JOB NUMBER 8902
BY _____ DATE	
TITLE _____	
REVISIONS	

U-7le

SECTION A-S3
SCALE ~ 3/8" = 1'-0"

SECTION B-S3
SCALE ~ 3/8" = 1'-0"

SECTION C-S3
SCALE ~ 1/4" = 1'-0"

SECTION D-S3
SCALE ~ 1/2" = 1'-0"

SECTION E-S3
SCALE ~ 1/2" = 1'-0"

DETAIL A-S3
SCALE ~ 1½" = 1'-0"

DETAIL B-S3
SCALE ~ 1½" = 1'-0"

SECTION G-S3
SCALE ~ 1" = 1'-0"

SECTION H-S3
SCALE ~ 1" = 1'-0"

SECTION J-S3
SECTION K-S3
(SIMILAR EXCEPT AS NOTED)
SCALE ~ 1" = 1'-0"

SECTION L-S3
SCALE ~ 1" = 1'-0"

TYP. INTERIOR COLUMN & FOOTING
SCALE ~ 3/4" = 1'-0"

NOTE: TYPICAL ALL BUILDING COLUMNS EXCEPT COL. F-7 (21"x 24" COL. WITH 3'-10"x 3'-0"x 2'-0" FOOTING) AND COL. A-5 (SEE DETAIL C-S6).

SECTION F-S3
SCALE ~ 1/2" = 1'-0"

SECTION M-S3
SCALE ~ 1" = 1'-0"

TYPICAL TENSION SPLICE
FOR CONCRETE REINFORCEMENT

NOTE:
FOR REINFORCEMENT SEE DETAILS, THIS SHEET.

TYPICAL WALL CORNER DETAIL
SCALE ~ 3/4" = 1'-0"

SECTION N-S3
SCALE ~ 1½" = 1'-0"

SECTION P-S3
SCALE ~ 1" = 1'-0"

SECTION R-S3
SCALE ~ 3/4" = 1'-0"

SLAB OPENING
CURB DETAIL
SCALE ~ 3/4" = 1'-0"
(TYPICAL FOR ALL OPENINGS IN SLABS EXCEPT THOSE ENCLOSED IN SHAFTS)

TYPICAL "DURASEAL" WATERSTOP
~ NO SCALE ~

PLAN OF TYPICAL EXTERIOR COLUMN

REINFORCING AND FOOTINGS SAME AS SHOWN FOR INTERIOR COLUMNS.
NOTE. EXCEPTIONS – COL. F-7 (21"x 24" COL. WITH 3'-10"x 2'-0" FTG.)
COL. A-5 (SEE DETAIL C-S6)

GENERAL STRUCTURAL NOTES

1. FOUNDATIONS:
   A. BEARING VALUE OF SOIL SHALL BE 4,000 LBS. PER SQ. FT.
   B. BEARING VALUE OF ROCK SHALL BE 60,000 LBS. PER SQ. FT.
2. DESIGN STRESSES:
   f'c - CONCRETE AT 28 DAYS ~~3000~~ 3750 LBS. PER SQ. INCH.
   fs - REINFORCING STEEL 20,000 LBS. PER SQ. INCH.
   STEEL BEAMS 20,000 LBS. PER SQ. INCH.
3. CODE USED FOR DESIGN:
   A.C.I. BUILDING CODE, 1956 EDITION.
4. EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 1'-6" INTO EXISTING GRADE AND A MINIMUM OF 2'-0" BELOW FINISHED GRADE.
5. PROVIDE 2-#6 CONTINUOUS BARS IN ALL WALL FOOTINGS UNLESS OTHERWISE NOTED.
6. AT CORNERS OF CONCRETE FOUNDATION WALLS AND PITS PROVIDE 5'-0" LONG #5 CORNER BARS ON 12" CENTERS.
7. PROVIDE 2-#5 BARS ON EACH SIDE OF ALL OPENINGS IN CONCRETE WALLS & SLABS. EXTEND 18" PAST FACE OF OPENINGS.
8. ALL SLABS ON CRUSHED STONE TO HAVE 6"x6"x 8/8 WELDED WIRE FABRIC.
9. SPLICE IN TENSION REINFORCEMENT = 20 BAR DIAMETERS.
10. TEMPERATURE STEEL FOR SLABS TO BE #3 AT 12" ON CENTERS AT RIGHT ANGLES TO MAIN REINFORCEMENT UNLESS SHOWN OTHERWISE ON PLANS.
11. CONCRETE COVERAGE FOR REINFORCEMENT:
    SLABS — 3/4"
    BEAMS — 1½"
    COLUMNS — 1½"
    WALLS — 2" UNLESS DIMENSIONED
12. A.C.I. CODE OF STANDARD PRACTICE TO GOVERN FABRICATION OF ALL REINFORCEMENT.
13. REINFORCEMENT VENDOR TO FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS & SUPPORTS NECESSARY TO SECURE STEEL IN ACCORDANCE TO A.C.I. CODE OF STANDARD PRACTICE AND AS DETAILED ON PLANS.
14. ALL REINFORCEMENT TO BE STANDARD A305 REINFORCING BARS.
15. ALL PLUMBING THAT DOES NOT HAVE A FRAMED OPENING LOCATED OR SHOWN ON PLANS IS TO HAVE WASTE & SUPPLY LINES SLEEVED THROUGH CONCRETE FLOORS.
16. FABRICATION AND ERECTION OF STRUCTURAL STEEL MEMBERS GOVERNED BY A.I.S.C. CODE OF STANDARD PRACTICE.
17. TYPE "B" CONNECTIONS A.I.S.C. USED FOR BEAM TO GIRDER CONNECTION UNLESS SHOWN OTHERWISE ON PLANS.
18. PROVIDE 5" DURASEAL WATERSTOP FOR ALL HORIZONTAL CONSTRUCTION JOINTS IN WALLS AT OR ABOVE FLOOR LEVEL AND BELOW GRADE. SEE DETAIL THIS SHEET.
19. ROOF SLAB SHALL BE 3½" CONCRETE SLAB PLACED ON 18 GAUGE METAL DECK WITH 4"x16"x 7/11 ~~MESH~~ UNLESS SHOWN OTHERWISE.
20. ALL DIMENSIONS FOR MECHANICAL EQUIPMENT SHALL BE CHECKED AND VERIFIED BY MECHANICAL CONTRACTOR.
21. 1" BEVEL ON ALL EXPOSED CORNERS OF COLUMNS AND BEAMS UNLESS SHOWN OTHERWISE.
22. FOR SIZE AND LOCATION OF OPENINGS SEE MECHANICAL DR'W'GS.
23. SHORE METAL DECK AT MID-SPAN.
24. SEE SHEET NO A-1 FOR SUB-SOIL DRAINAGE LINES WHERE DRAINAGE LINES OCCUR POUR ALL FOOTINGS AGAINST ROCK SIDE FORMS WILL NOT BE ALLOWED
25. "GAS" JT SEALER SHALL BE 1" WIDE & 2" DEEP. 1" FIBER BOARD SHALL BE NAILED TO CONCRETE WITH NAILS COUNTERSUNK 1/2".

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION
MERIWETHER, MARYE & ASSOCIATES
By J. McReynolds
Date MARCH 63

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

APPROVALS
UNIVERSITY OF KENTUCKY
BY / TITLE / DATE
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COMMONWEALTH OF KENTUCKY
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FOUNDATION DETAILS
HEATING & COOLING PLANT
AND APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY — COMMONWEALTH OF KENTUCKY
DRAWN BY T. McR.
TRACED BY J.L.G.
CHECKED BY T. McR.
REVISIONS
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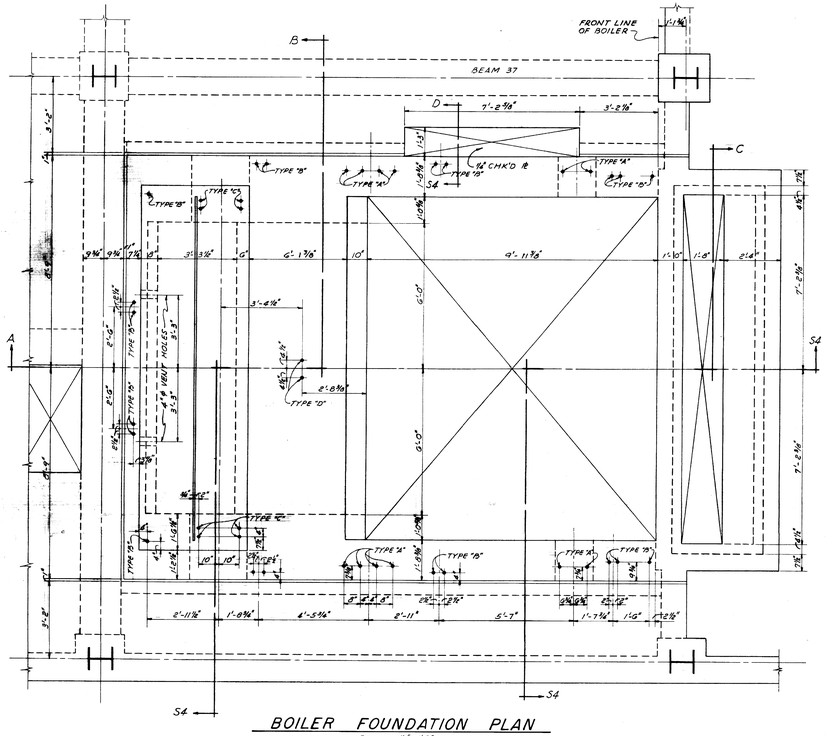
LEXINGTON KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS - ST. PAUL MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS
DATE FEB 24, 58
SHEET NUMBER S3
NO. OF SHEETS 6
JOB NUMBER 8902

U-727

Cab # 132 Slot C-3 Document # 015850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NOTE: INVERT ELEV OF 24"φ PIPE 978'-5"

COOLING TOWER BASIN PLAN

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

SECTION B-S5

SCALE ~ ½" = 1'-0"

SECTION C-S5

SCALE ~ ½" = 1'-0"

TYP. PILASTER DETAIL

TYP. REINFORCING PLACEMENT FOR COOLING TOWER BASIN PILASTERS.

SECTION A-S5

SCALE ~ ½" = 1'-0"

COOLING TOWER BASIN DETAILS

PILASTER & ANCHOR BOLT DETAILS

SCALE ~ 3/8" = 1'-0"

SECTION THRU PIPE TRENCH

(FOR LENGTH AND LOCATION SEE SH. M-9)

SCALE ~ 1" = 1'-0"

PART PLAN N-W CORNER OLD SERVICE BLDG.

(SEE SHEET M-9)

SCALE ~ ½" = 1'-0"

SECTION D-S5

SCALE ~ ¾" = 1'-0"

SECTION E-S5

SCALE ~ ¾" = 1'-0"

BEAM SCHEDULE

FACE OF SUPPORT UNLESS NOTED

NUMBER	SIZE W	SIZE D	NO. & SIZE	BOT.	TRUS	TOP	BEND	A	B	C	D	E	F	G	S	BEND	SECTION	STIRRUPS NO	SIZE	2"	3"	4"	5"	6"	8"	10"	12"	TYPE
B1	18	24	2-#10			✓	✓	10"	6'-6"	12"							6" / 10"	18	#3	1		8					10	4
			2-#9				✓	10"	13'-8"	12"																		
			4-#9	✓											26'-9½"													
			2-#10			✓							6'-6"	6'-4"														
			2-#9			✓							13'-8"	13'-8"														
B2	18	24	4-#9	✓											24'-2"		10" / 6"	36	#3	1		8					9	4
			2-#9			✓						12"	6'-4"	10"		✓												
			2-#9			✓						12"	13'-8"	10"		✓												
B3	18	24	3-#9	✓							18'-3"				18'-9½"		12" / 10"	26	#3	1		6					6	4
			2-#9	✓											18'-9½"													
			2-#9			✓	✓	1'-8"		8"		12"		9"	18'-9½"	✓												
			1-#9			✓	✓	1'-8"	4'-6"	8"																		
			1-#9			✓						12"	4'-6"	9"		✓												
B4	18	24	2-#8	✓							18'-3"						8" / 8"	26	#3	1		6					6	1
			2-#8	✓											18'-9½"													
			2-#8			✓	✓	1'-8"		8"		12"		9"	18'-9½"	✓												
B5	18	24	2-#9			✓	✓	12"		8"		8"		12"	19'-6"	✓	8" / 8"	26	#3	1		6					6	1
			1-#9			✓	✓	12"	4'-8"	8"								See Section B-S1										
			1-#9			✓						8"	4'-8"	12"		✓												
			3-#9	✓							19'-0"				19'-6"													
			2-#9	✓											19'-6"													
B6	20	24	2-#9			✓	✓	1'-4"		8"		12"		10"	18'-9½"	✓	8" / 8"	26	#3	1		6					6	4
			1-#9			✓	✓	1'-4"	4'-6"	8"								See Section A-S1										
			1-#9			✓						12"	4'-6"	10"		✓												
			2-#9	✓											18'-9½"													
			3-#10	✓							18'-3"																	
B7	24	30	4-#10			✓	✓	1'-8"	6'-6"	8"							8" / 10"	30	#3	1		8					6	4
			3-#9			✓	✓	1'-8"	14'-6"	8"								See Section B-S1										
			3-#9			✓							14'-6"	14'-4"														
			3-#10			✓							6'-6"	6'-4"														
			3-#10	✓											25'-11"													
			3-#9	✓							25'-4"																	
B8	24	24	3-#10	✓							23'-9"						10" / 8"	36	#3	1		8					9	4
			2-#10	✓											24'-2"													
			3-#10			✓						12"	13'-6"	10"		✓												
			3-#10			✓						12"	6'-4"	10"		✓												
B9	(NOT USED)																											
B10	18	20	2-#9			✓	✓	10"	13'-0"	12"							8" / 8"	30	#3	1				6			8	4
			1-#9			✓	✓	10"	5'-8"	12"																		
			2-#9	✓											23'-0⅝"													
			1-#9	✓							22'-6"																	
			2-#10			✓							13'-0"	12'-9"														
			1-#9			✓							5'-8"	5'-8"														
B11	18	20	2-#9	✓											22'-6"		6" / 6"	28	#3	1				6			7	4
			1-#9	✓							22'-0"																	
			2-#10			✓							12'-9"	12'-9"														
			1-#9			✓							5'-8"	5'-8"														
B12	18	20	2-#9	✓											22'-6"		6" / 6"	28	#3	1				6			7	4
			1-#9	✓							22'-0"																	
			2-#9			✓						10"	12'-9"	12"		✓												
			1-#9			✓						10"	5'-8"	12"		✓												
B13	10	20	2-#6	✓											15'-2"		6" / 6"	16	#3	1							7	1
			1-#6	✓																								
			2-#6			✓	✓	9"		6"		6"		9"	15'-2"	✓												
B14	18	30	2-#10			✓	✓	1'-4"	14'-6"	12"							8" / 10"	36	#3	1				8			9	4
			2-#10			✓	✓	1'-4"	6'-6"	12"																		
			2-#10	✓							[illegible]																	
			2-#9	✓											25'-11"													
			2-#10			✓							14'-6"	13'-8"														
			2-#9			✓							6'-6"	6'-0"														
B15	18	24	2-#9	✓											24'-2"		10" / 8"	34	#3	1				8			8	4
			1-#9	✓							23'-8"																	
			2-#9			✓	✓						13'-8"	13'-4"														
			1-#9			✓	✓						6'-6"	6'-2"														
B17	14	24	2-#8			✓	✓	1'-8"		6"		6"		10"	19'-6"	✓	8" / 8"	26	#3	1		4					8	4
			2-#9	✓							19'-0"																	
			2-#8	✓											19'-6"													
B18	14	24	2-#8			✓	✓	1'-2"		6"		6"		1'-2"	12'-8"	✓	8" / 8"	20	#3	1		4					5	4
			2-#8	✓											12'-8"													
			2-#8	✓							12'-2"																	
B19	13½	16	2-#7			✓	✓	10"		6"		6"		10"	8'-8½"	✓	6" / 6"	10	#3	1							4	4
SEE SECT. E-S1			2-#7	✓											8'-8½"			See Section X-X (ARCH)										
B20	18	30	3-#9			✓	✓	1'-4"	6'-6"	12"							10" / 8"	32	#3	1					8		7	4
			2-#8				✓	1'-4"	14'-6"	12"																		
			2-#10	✓							25'-4"																	
			2-#9	✓											25'-11"													
			3-#10			✓							6'-6"	6'-0"														
			2-#9			✓							14'-6"	13'-8"														
B21	18	24	2-#9	✓											24'-2"		8" / 8"	28	#3	1			4				9	4
			2-#9	✓							23'-8"																	
			2-#9			✓	✓					12"	13'-8"	1'-4"		✓												
			2-#9			✓	✓					12"	6'-0"	1'-4"		✓												
B22	18	24	2-#9			✓	✓	1'-4"		6"					24'-9½"	✓	10" / 8"	28	#3	1			4				9	4
			1-#9			✓	✓	1'-4"	6'-0"	6"																		
			1-#9									6"	6'-0"	10"		✓												
			3-#9	✓											24'-9½"													
			2-#10	✓							24'-2"																	
B23	18	24	2-#9	✓											23'-11"		8" / 8"	28	#3	1			4				9	4
			2-#9	✓							23'-4"																	
			2-#9			✓						12"	13'-8"	1'-4"		✓												
			2-#9			✓						12"	6'-0"	1'-4"		✓												
B24	24	30	2-#9			✓	✓	1'-4"	12'-6"	6"							10" / 10"	30	#3	1		4			4		6	4
			4-#9			✓	✓	1'-4"	6'-0"	6"																		
			3-#9	✓											21'-11"													
			3-#8	✓							21'-4"																	
			4-#9			✓							6'-0"	6'-0"														
			2-#9			✓							12'-6"	12'-6"														
B25	24	30	3-#9	✓											22'-0"		10" / 10"	30	#3	1		4			4		6	4
			3-#8	✓							21'-6"																	
			2-#9			✓							12'-6"	12'-6"														
			4-#9			✓							6'-0"	6'-0"														
B27	18	24	2-#9			✓	✓	1'-4"	6'-4"	1'-0"							10" / 8"	30	#3	1		4			4		6	4
			2-#9			✓	✓	1'-4"	13'-6"	1'-0"																		
			2-#9	✓											24'-2"													
			2-#9	✓							23'-8"																	
			2-#9			✓	✓					1'-6"	6'-4"	10"														
			2-#9			✓	✓					1'-6"	13'-8"	10"														

FACE OF SUPPORT UNLESS NOTED

NUMBER	SIZE W	SIZE D	NO. & SIZE	BOT.	TRUS	TOP	BEND	A	B	C	D	E	F	G	S	BEND	SECTION	STIRRUPS NO	SIZE	2"	3"	4"	5"	6"	8"	10"	12"	TYPE
B28	24	34	5-#10	✓											22'-0"		10" / 10"	30	#3	1		4			4		6	4
			3-#9	✓							21'-6"																	
			5-#11			✓							6'-0"	6'-0"														
			2-#10			✓							12'-6"	10'-6"														
B29	24	24	2-#9	✓											17'-11"		10" / 10"	24	#3	1		4					7	4
			2-#9	✓							17'-4"							See Section A-S1										
			2-#9			✓						6"	10'-6"	1'-4"		✓												
			2-#9			✓						6"	4'-6"	1'-4"		✓												
B30	12	16	2-#8			✓	✓								5'-4½"	✓	10" / 10"	6	#3	1							2	4
			2-#8	✓											5'-4½"													
B31	24	30	3-#9	✓											22'-0"		8" / 8"	30	#3	1		4			4		6	4
			3-#8	✓							21'-6"																	
			5-#10			✓							6'-0"	6'-0"														
			2-#10			✓							12'-6"	12'-6"														
B32	10	20	2-#6			✓	✓	1'-0"		6"		6"		1'-0"	9'-8"	✓	6" / 6"	10	#3	1							4	4
			2-#6	✓																								
B33	18	30	2-#9	✓											21'-10"		12" / 12"	34	#3	1		8					8	4
			2-#9	✓							22'-2"																	
			2-#9			✓							5'-6"	5'-6"														
			2-#9			✓							13'-4"	13'-6"														
B34	18	30	2-#8			✓	✓	9"		1'-6"		1'-6"		1'-0"	23'-0¼"	✓	6" / 6"	36	#3	1		8					9	4
			2-#8			✓	✓	9"	6'-0"	1'-6"																		
			2-#8			✓	✓					1'-6"	6'-0"	1'-0"														
			2-#10	✓											23'-0¼"													
			3-#10	✓																								
B35	19½	30	2-#7			✓	✓	1'-4"	12'-6"	6"							8" / 8"	26	#3	1				4			8	4
			3-#8			✓	✓	1'-4"	5'-6"	6"																		
			3-#7	✓							21'-4"																	
			2-#7	✓											21'-11"													
			2-#7			✓							12'-6"	12'-6"														
			3-#8			✓							5'-6"	5'-6"														
B36	19½	30	3-#7	✓							21'-6"						8" / 8"	26	#3	1				4			8	4
			2-#7	✓											22'-0"													
			2-#7			✓						6"	12'-6"	1'-4"		✓												
			3-#8			✓						6"	5'-6"	1'-4"		✓												
B37	18	30	3-#9	✓											22'-0"		8" / 8"	22	#3	1							10	1
			2-#9			✓						6"	12'-6"	1'-4"		✓												
B38	10	20	2-#6			✓	✓	1'-0"		6		1'-0"		8"	10'-5"	✓	6" / 6"	10	#3	1							4	4
			2-#6	✓																								

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By: T. McReynolds
Date: MARCH 63

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

STATE OF KENTUCKY — PORTER J. WHITE — 1107 — REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY — THOMAS L. McREYNOLDS — 3408 — REGISTERED PROFESSIONAL ENGINEER

APPROVALS

UNIVERSITY OF KENTUCKY
BY: Frank D. Peterson DATE: 4/14/58
TITLE: Vice Pres. Bus. Adm.
BY: ____ DATE ____
TITLE: ____
BY: ____ DATE ____
TITLE: ____

COMMONWEALTH OF KENTUCKY
BY: A. Buckler DATE ____
TITLE: ____
BY: ____ DATE ____
TITLE: ____
BY: ____ DATE ____
TITLE: ____

COOLING TOWER BASIN & BEAM SCHEDULE

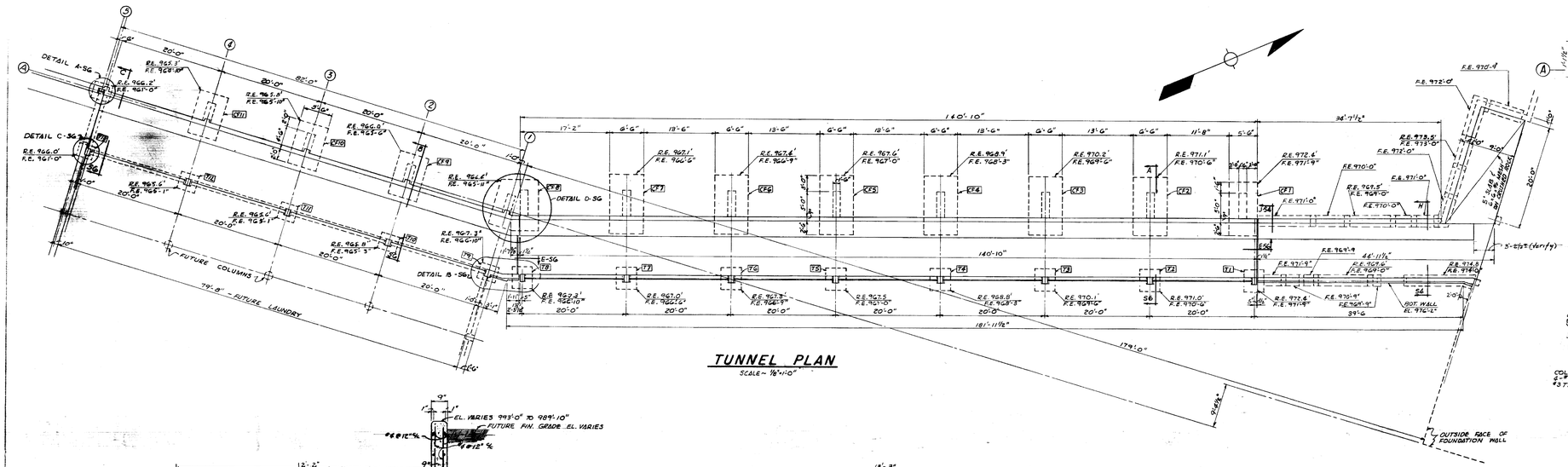
HEATING & COOLING PLANT
AND APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY: T.McR. & F.W.
TRACED BY: C.K. & W.P.
CHECKED BY: T.McR. & F.W.
REVISIONS

Meriwether, Marye and Associates
LEXINGTON, KENTUCKY
ELLERBE AND COMPANY
ARCHITECTS & ENGINEERS - ST. PAUL, MINN.
CONSULTANTS
PORTER J. WHITE - LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS
PROCTOR-INGELS - LEXINGTON, KENTUCKY
MECHANICAL ENGINEERS

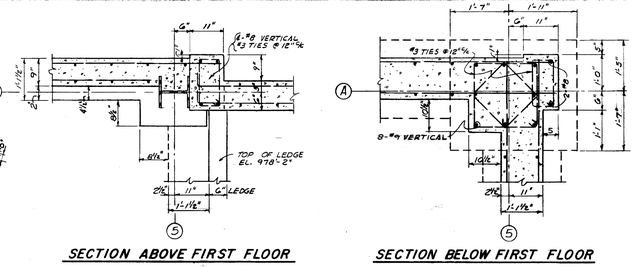
DATE: FEB 24 58
SHEET NUMBER: S5
NO. OF SHEETS: 6
JOB NUMBER: 8902

U-789



TUNNEL PLAN

SCALE - 1/16"=1'-0"

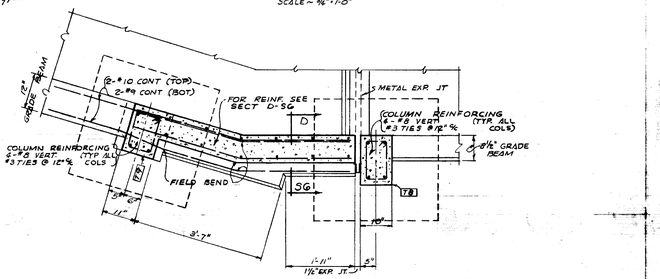


SECTION ABOVE FIRST FLOOR

SECTION BELOW FIRST FLOOR

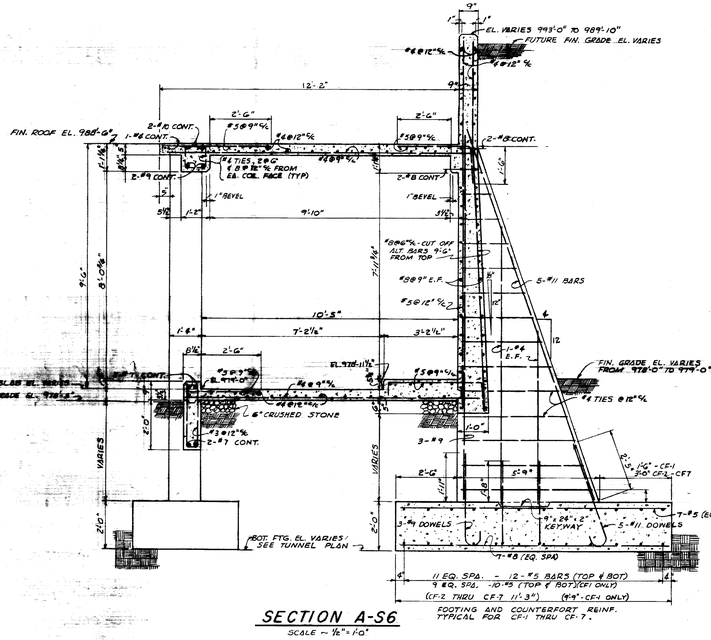
DETAIL A-S6

SCALE - 3/4"=1'-0"



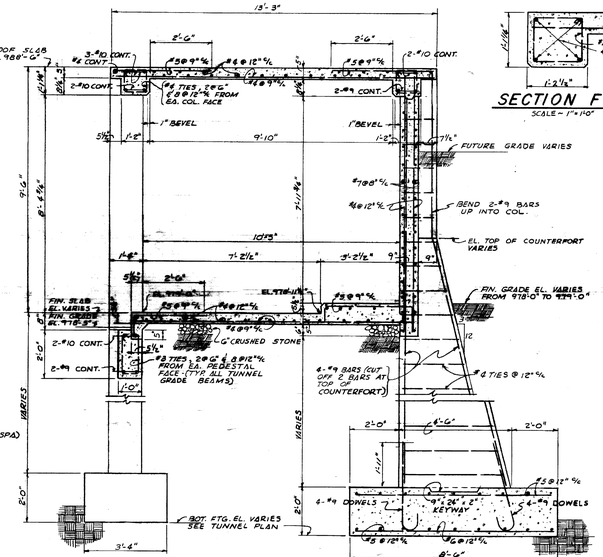
DETAIL B-S6

SCALE - 3/4"=1'-0"



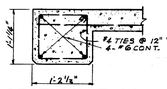
SECTION A-S6

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



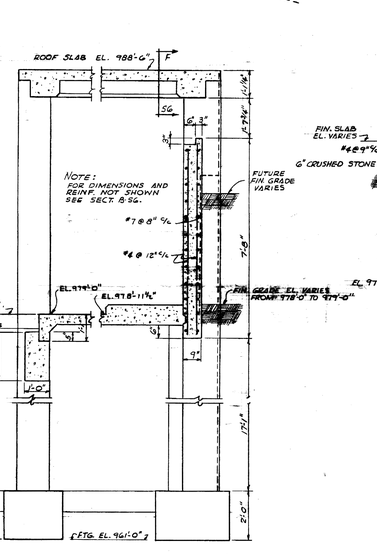
SECTION B-S6

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



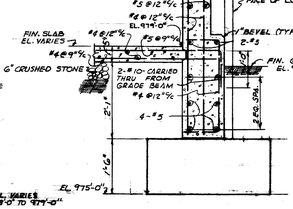
SECTION F-S6

SCALE - 1"=1'-0"



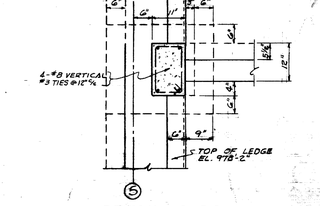
SECTION C-S6

SCALE - 1½"=1'-0"



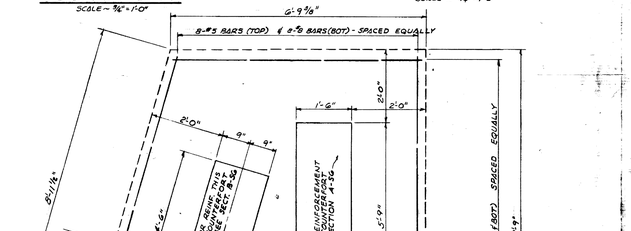
SECTION D-S6

SCALE - 3/4"=1'-0"



DETAIL C-S6

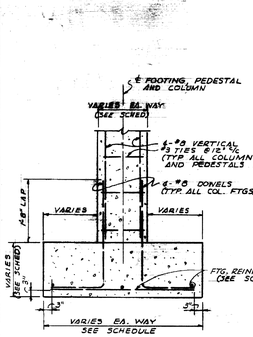
SCALE - 3/4"=1'-0"



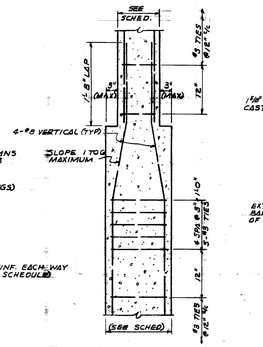
DETAIL D-S6

SCALE - 3/4"=1'-0"

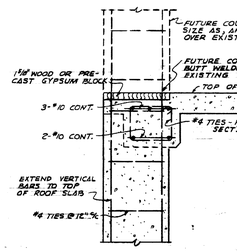
FOOTING REINF. SHOWN FOR CF-8



TYPICAL COLUMN FOOTING DETAIL

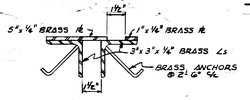


PEDESTAL TO COLUMN SPLICE DETAIL



FUTURE COLUMN SPLICE DETAIL

(TYP. FOR COLS. T10 THRU T16)



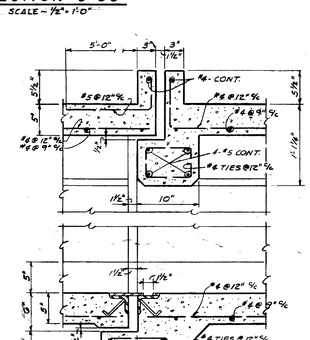
METAL EXPANSION JOINT DETAIL

SCALE - 3"=1'-0"

ONE ANGLE 1" x ⅛" BRASS ℄ AND ANCHORS NOT PART OF THIS CONTRACT. IT WILL BE IN PLACE AT END OF BASIC SCIENCE BLDG. TUNNEL.

COLUMN FOOTING, PEDESTAL & COLUMN SCHEDULE

NUMBER		T2 T3 T4 T5	T6 T7 T8	T10 T11 T12	T9	T13	A5	T1
FOOTING & REINF'G	SIZE	3'-6" x 3'-6"	3'-6" x 3'-6"	3'-6" x 3'-6"	3'-6" x 3'-6"	SEE DET. "C"	3'-0" x 5'-6"	3'-6" x 3'-6"
	DEPTH	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
	EACH WAY	3-#6	3-#6	3-#6	3-#6	3-#6	3-#6	3-#6
ELEV. TOP OF PED.		978'-0"	978'-6"	979'-6"	978'-6"	978'-6"	—	978'-0"
PEDESTAL SIZE		1'-6" x 1'-6"	1'-6" x 1'-6"	1'-6" x 1'-6"	1'-2" x 1'-6"	—	—	1'-1" x 1'-6"
COLUMN SIZE		10" x 1'-6"	10" x 1'-6"	11" x 1'-6"	11" x 1'-6"	SEE DETAIL "A"		10" x 1'-6"



SECTION E-S6

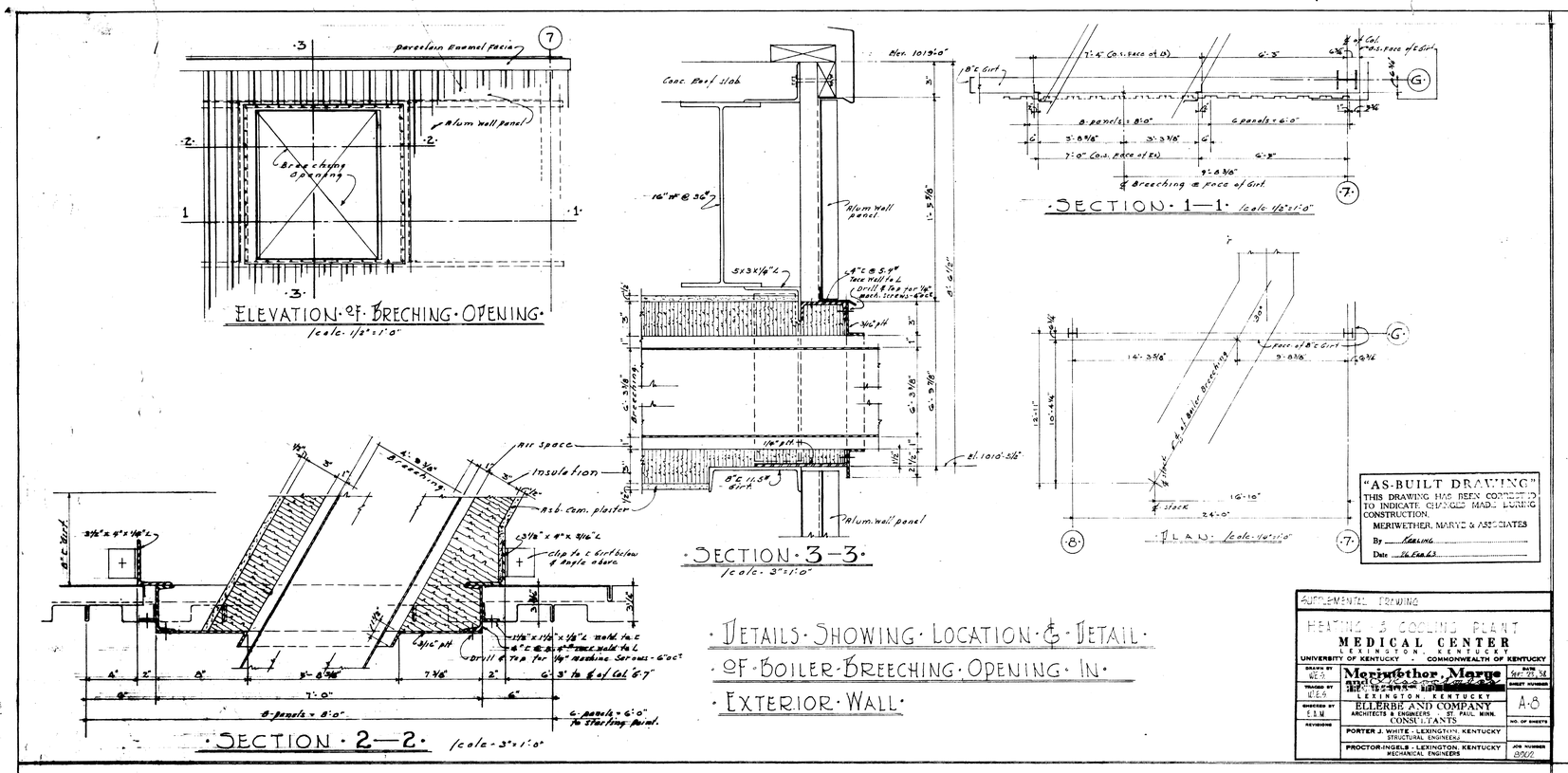
SCALE - 1½"=1'-0"

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By T. McReynolds
Date MARCH '63

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

APPROVALS	TUNNEL AND DETAILS
UNIVERSITY OF KENTUCKY	HEATING & COOLING PLANT AND APPURTENANT FACILITIES
BY [illegible] TITLE Physical Plant Dir. DATE 4-16-58	MEDICAL CENTER
BY TITLE DATE	LEXINGTON, KENTUCKY
BY TITLE DATE	UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY
COMMONWEALTH OF KENTUCKY BY [illegible] TITLE DATE	DRAWN BY T. McR. / TRACED BY J. G. / CHECKED BY P. J. W. / REVISIONS — / DATE FEB 24-58 / SHEET NUMBER S6 / NO. OF SHEETS 6 / JOB NUMBER 8902
BY TITLE DATE	MERIWETHER, MARYE & ASSOCIATES ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS LEXINGTON, KENTUCKY ELLERBE AND COMPANY ARCHITECTS & ENGINEERS ST. PAUL, MINN. CONSULTANTS
BY TITLE DATE	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS
	PROCTOR-NICHOLS & CRUMPTON, KENTUCKY MECHANICAL ENGINEERS

U-790



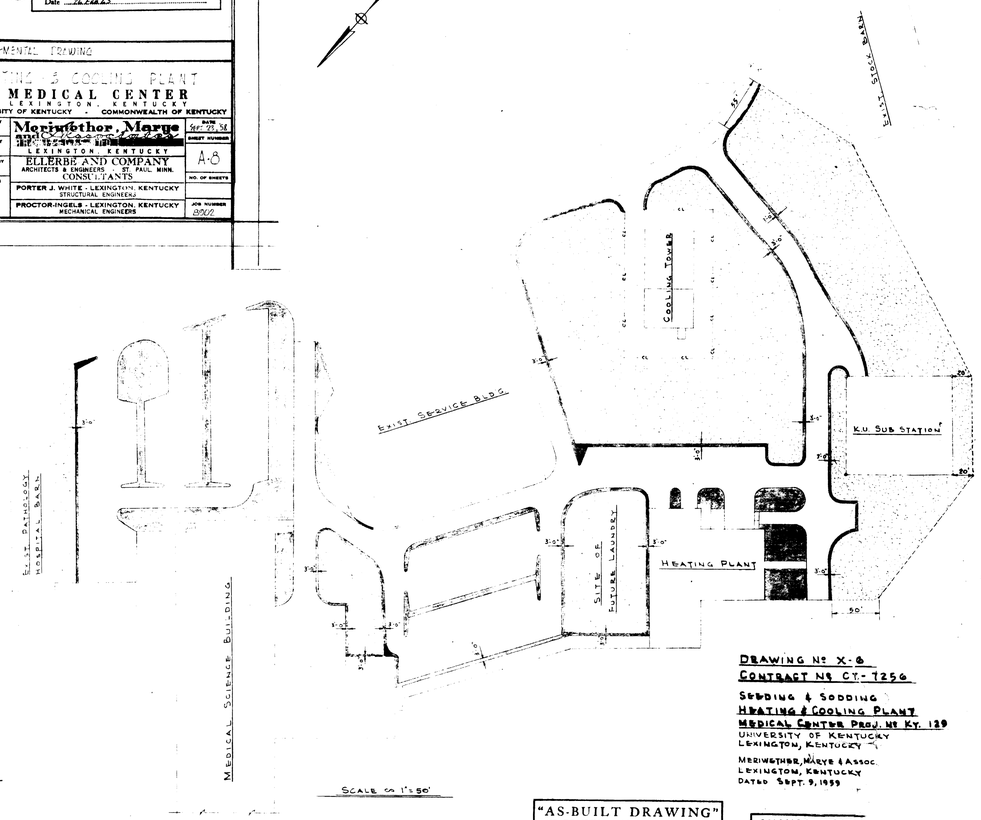
DETAILS SHOWING LOCATION & DETAIL OF BOILER BREECHING OPENING IN EXTERIOR WALL

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Kerling
Date 26 Feb 63

SUPPLEMENTAL DRAWING

HEATING & COOLING PLANT
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY · COMMONWEALTH OF KENTUCKY

DRAWN BY W.E.S.	Meriwether, Marye and Associates	DATE Sept. 28, 58
TRACED BY W.E.S.	LEXINGTON, KENTUCKY	SHEET NUMBER A-8
CHECKED BY E.D.M.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS · ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS
REVISIONS	PORTER J. WHITE · LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-INGELS · LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8802



LEGEND
SEEDED AREA
SODDED AREA

DRAWING No X-6
CONTRACT No CY-7256
SEEDING & SODDING
HEATING & COOLING PLANT
MEDICAL CENTER PROJ. No KY. 129
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY
MERIWETHER, MARYE & ASSOC.
LEXINGTON, KENTUCKY
DATED SEPT. 9, 1959

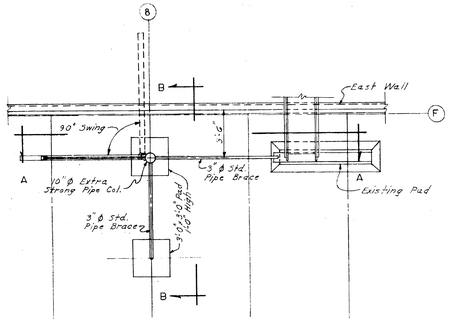
"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By Kerling
Date 26 Feb 63

HUGH MERIWETHER REGISTERED ARCHITECT COMMONWEALTH OF KENTUCKY

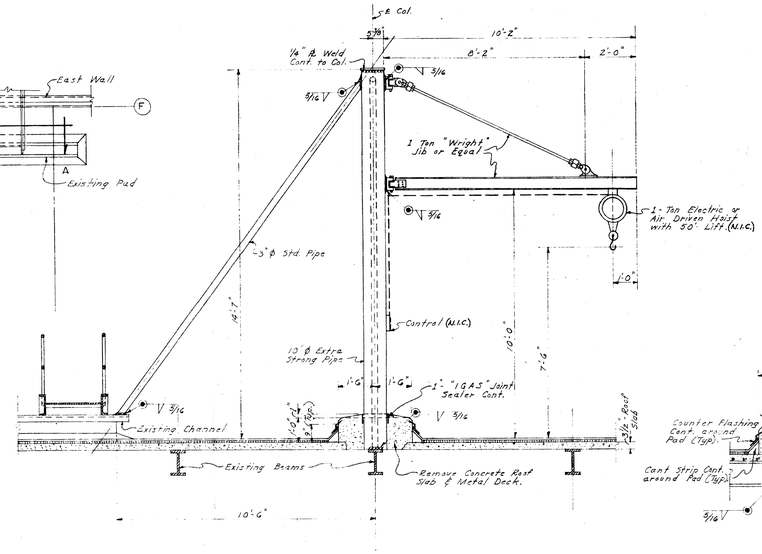
STATE OF KENTUCKY E.A. MARYE 198 REGISTERED PROFESSIONAL ENGINEER

CHANGE ORDER
HEATING &
MEDICAL
LEXINGTON
UNIVERSITY OF KENTUCKY

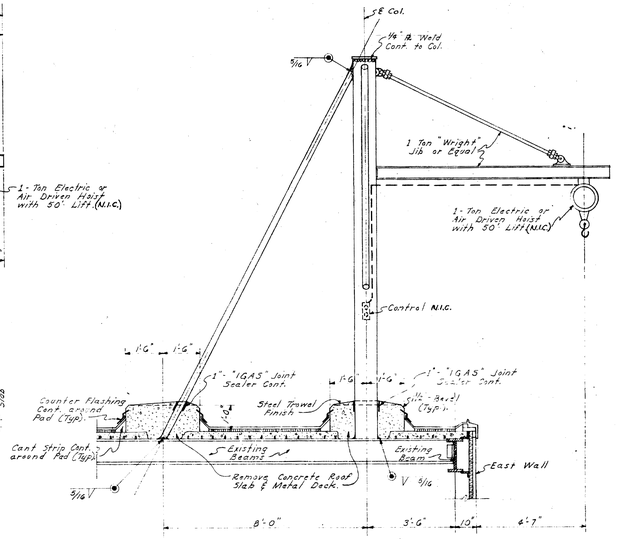
DRAWN BY	Meriwether and Associates
TRACED BY	LEXINGTON, KENTU
CHECKED BY	ELLERBE AND COMPA ARCHITECTS & ENGINEERS · ST. PAUL CONSULTANTS
REVISIONS	PORTER J. WHITE · LEXINGTON, KENTU STRUCTURAL ENGINEERS
	PROCTOR-INGELS · LEXINGTON, KENTU MECHANICAL ENGINEERS



PLAN
Scale ~ 1/4" = 1'-0"



SECTION A-A
Scale ~ 1/2" = 1'-0"



SECTION B-B
Scale ~ 1/2" = 1'-0"

DRAWING Nº XS-1

CONTRACT Nº C.T. 7256

ADDITION OF HOIST ON ROOF
HEATING AND COOLING PLANT, ETC.
MEDICAL SCIENCE - PROJECT Nº KY.-129
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

MERIWETHER, MARYE & ASSOCIATES
ARCHITECTS & ENGINEERS
DATE - APRIL 17 1958

"AS-BUILT DRAWING"
THIS DRAWING HAS BEEN CORRECTED TO INDICATE CHANGES MADE DURING CONSTRUCTION.
MERIWETHER, MARYE & ASSOCIATES
By J. McReynolds
Date MARCH, 1963

PORTER J. WHITE & ASSOCIATES
CONSULTING ENGINEERS

CHANGE ORDER DRAWING

HEATING & COOLING PLANT
AND APPURTENANT FACILITIES
MEDICAL CENTER
LEXINGTON, KENTUCKY
UNIVERSITY OF KENTUCKY - COMMONWEALTH OF KENTUCKY

DRAWN BY P.J.W.	Meriwether, Marye and Associates ARCHITECTS & ENGINEERS LEXINGTON, KENTUCKY	DATE 4-17-58
TRACED BY		SHEET NUMBER C.O.-2
CHECKED BY T. McR.	ELLERBE AND COMPANY ARCHITECTS & ENGINEERS - ST. PAUL, MINN. CONSULTANTS	NO. OF SHEETS 2
REVISIONS	PORTER J. WHITE - LEXINGTON, KENTUCKY STRUCTURAL ENGINEERS	
	PROCTOR-HIGGELS - LEXINGTON, KENTUCKY MECHANICAL ENGINEERS	JOB NUMBER 8902

Cab # 132 Slot C3 Document # 013855