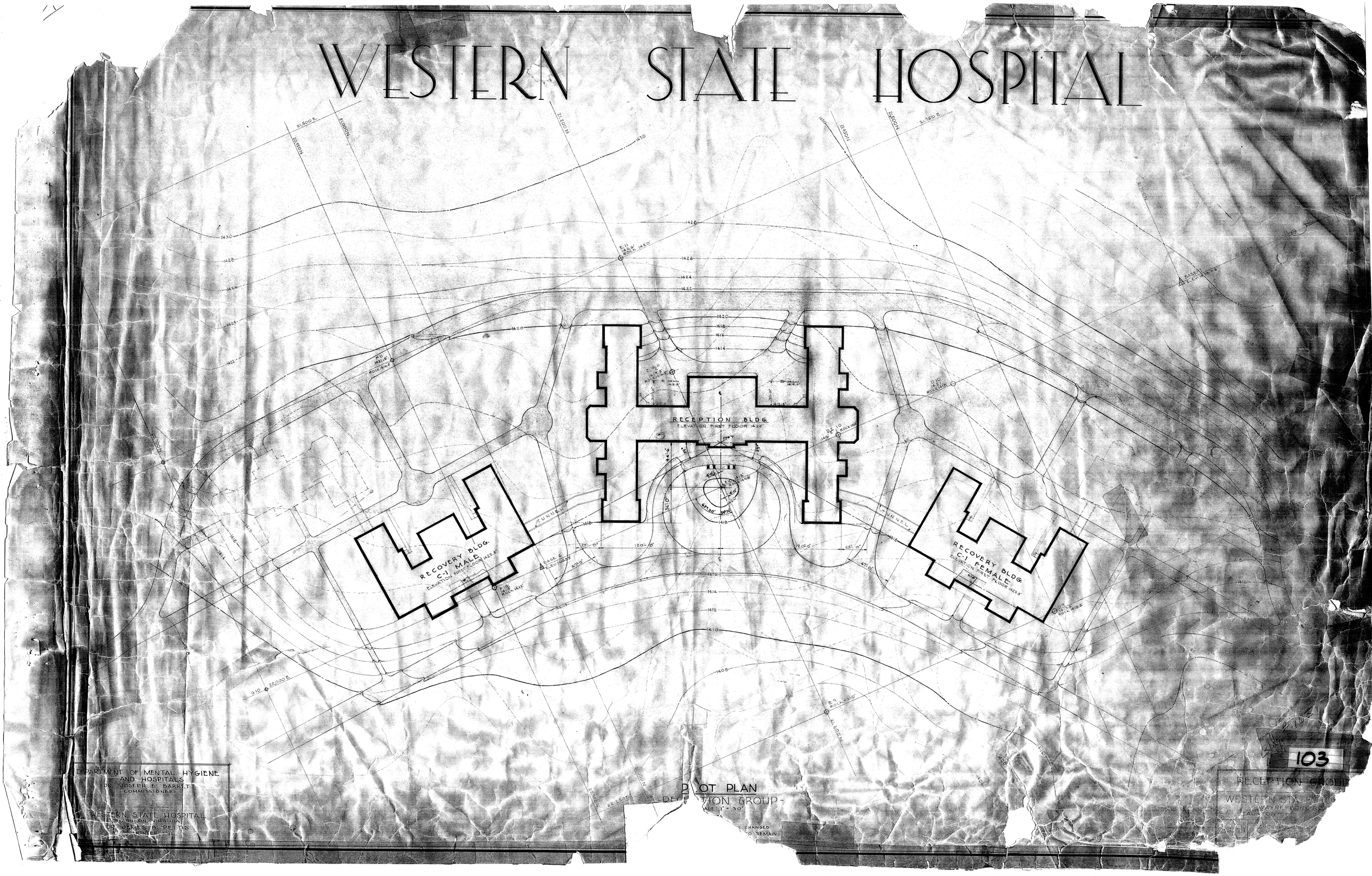
WESTERN STATE HOSPITAL



DEPARTMENT OF MENTAL HYGIENE
AND HOSPITALS
DR. JOSEPH E. BARRETT
COMMISSIONER

WESTERN STATE HOSPITAL
STAUNTON, VIRGINIA
DR. JAMES B. PETTY
SUPERINTENDENT

SITE PLAN
RECEPTION GROUP
SCALE 1" = 30'

CHANGED
TO REMAIN

103

RECEPTION GROUP
WESTERN STATE HOSPITAL
WAYNESBORO
STAUNTON

NOTE: ALL PIPING IN TUNNELS TO BE ARRANGED SO AS TO LEAVE PASSAGEWAYS THROUGH FOR FUTURE PIPE SERVICING.

SECTION A-A
SCALE: ½"=1'-0"

TYPICAL PIPE HANGER DETAIL
SCALE: ½"=1'-0"

TYPICAL DRIP TRAP CONNECTIONS
NO SCALE

DETAIL OF CATCH BASIN
SCALE ½"=1'-0"

NOTE
SET ALL CLEANOUTS IN OUTSIDE SEWER LINES 18" BELOW FINISHED GRADE.

NOTE:
ALL WATER & RADIANT HEATING PIPES IN TUNNELS ARE TO BE DRAINED IN MECH. EQUIP. RM. PIT, AND ARE TO PITCH ACCORDINGLY.

LOW PRESSURE STEAM & CONDENSATE PIPING TO PITCH AS INDICATED ON STEAM PIPING DIAGRAM, SHEET M-5

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

HEATING & PLUMBING LEGEND

- RHS RADIANT HEATING SUPPLY
- RHR RADIANT HEATING RETURN
- ST. LOW PRESSURE STEAM (25 PSI RECEPTION BLDG. & 5 PSI RECOVERY BLDG.)
- COND. LOW PRESSURE CONDENSATE
- GRADE PIPE DOWN IN DIRECTION OF ARROW
- CW COLD WATER
- HW DOMESTIC HOT WATER
- HWR DOMESTIC HOT WATER RECIRCULATED
- KHW KITCHEN HOT WATER
- KHWR KITCHEN HOT WATER RECIRCULATED
- FL FIRE LINE
- G GAS
- CHW CHILLED WATER
- CHWR CHILLED WATER RECIRCULATED
- S.W.V. SOIL (WASTE) VENT
- STORM WATER DRAIN

- AV AUTOMATIC VALVE
- BC BALANCING COCKS
- BDV BLOW OFF VALVE
- CV CHECK VALVE
- CV COIL BALANCING COCK, STATION IN FLOOR
- DT DRIP TRAP
- ECCENTRIC REDUCER
- GC GAS COCK
- GLOBE VALVE
- GATE VALVE
- STOP & WASTE VALVES
- STRAINER

- A — HEATING ZONE SUPPLY RISER LETTER
- 2A — PLUMBING RISER & STACK NUMBER
- (121) — ROOM NUMBER
- A.B.S. — "ARCTIC" BOILER FITTING
- ATF — AIRTROL TANK FITTING
- C.O. — CLEAN OUT
- DV — HOSE RIBB DRAIN VALVE
- P.C. — PLUMBING CONTRACT
- P.O. — PLUGGED OUTLET
- PRV — PRESSURE REDUCING VALVE
- R.D. — ROOF DRAIN PIPING
- RV — RELIEF VALVE
- VV — AUTOMATIC AIR VENT VALVES

- CC — CONTROL CABINET
- D.F.-1 — DRINKING FOUNTAIN, TYPE 1
- J-S-1-2 — ROOF, AREA, SHOWER, FLOOR, & PIT DRAIN
- K-8 — KITCHEN EQUIPMENT NUMBER
- L-3 — LAVATORY, TYPE-3
- SH-2 — SHOWER, TYPE-2
- S-3 — SERVICE SINK, TYPE-3
- T-1 — TUB, TYPE-1
- W-2 — WATER CLOSET, TYPE-2

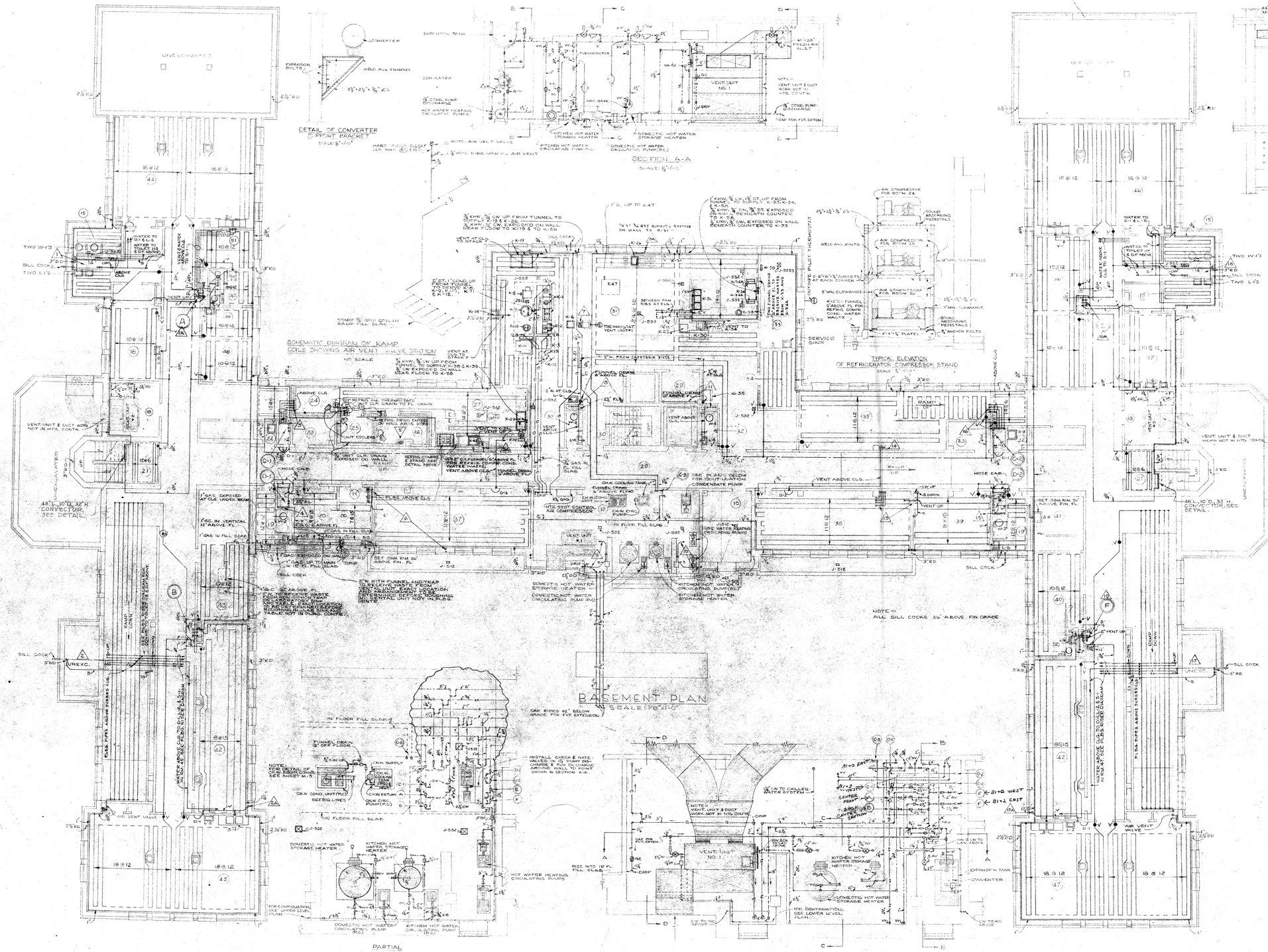
HEATING & PLUMBING

RECEPTION BUILDING

WESTERN STATE HOSPITAL
WAYNESBORO ROAD
STAUNTON, VIRGINIA

DATE OCT. 1949 REVISED AUG. 1950 (AS BUILT)	MARCELLUS WRIGHT & SON ARCHITECTS 1100 EAST MAIN STREET RICHMOND, VIRGINIA	SHEET M-1 OF 10

HANKINS, TRAPNELL AND ANDERSON CONSULTING ENGINEERS RICHMOND, VIRGINIA



KITCHEN EQUIPMENT SCHEDULE								
EQUIPMENT		PIPE CONNECTIONS						
NO	ITEM	STEAM	COND	HW	CW	WASTE	GAS	
K-1	RANGE BATTERY (3)						1½	
K-2	FRYING (2)						1¼	
K-3	BROILER							
K-4	COOK'S SINK			¾	¾	1½		
K-5	STEAMER							
K-7	SPOUT NEEDLE	¾	¾					
K-10	SINK	¾	¾	½	½			
K-11	BAKE & ROASTING OVEN	¾	¾				1"	
K-12	CANOPY	*	*					
K-14	BAKER'S SINK			¾	¾	1½		
K-19	SCULLERY SINK (2)			¾	¾	1½		
K-21	BAIN MARIE	¾	½				1"	
K-22	ROLL WARMER	¾	½	½	½			
K-26	PASTRY SINK			¾	¾	1½		
K-30	URN BATTERY (3)	¾	¾	½	½	1½		
K-33	SALVAGIN					1½		
K-34	DISHWASHING MACHINE			¾	¾	1½		
K-35	GLASS SINK (3 STEM)			¾	¾	1½		
K-38	PREP. SINK			¾	¾	1½		
K-39	VEGETABLE SINK (2)			¾	¾	1½		
K-40	BUTCHER'S SINK			¾	¾	1½		
K-47	DISH HEATER							
K-58	WASH RACK			¾	¾	1½		
K-71	BIN CABINET							
K-34a	DISHWASHER DRIP TRAY (2)							

* HTG. CONTR. TO PROVIDE ¾" PERFORATED PIPE FULL LENGTH OF CALIF. WASH. TROUGH AND A ¾" NPT FOR PIPE (NOTED K-30) DRILL PIPE FOR PERFORATIONS AS DIRECTED BY FAN. MAKE VALVE IN SUPP AT VISIBLE AND ACCESSIBLE POINT AS DIRECTED.

** NO TRAPS REQUIRED (WASTES RUN TO FUNNEL TRAPS)

*** GREASE TRAP

K-13	BAKER'S FURNACE						
K-38	ICE CUBE MACH.(2)				¾	FAB'D	1"

HANKINS, TRAPNELL AND ANDERSON
CONSULTING ENGINEERS
RICHMOND, VIRGINIA

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WESTERN STATE HOSPITAL
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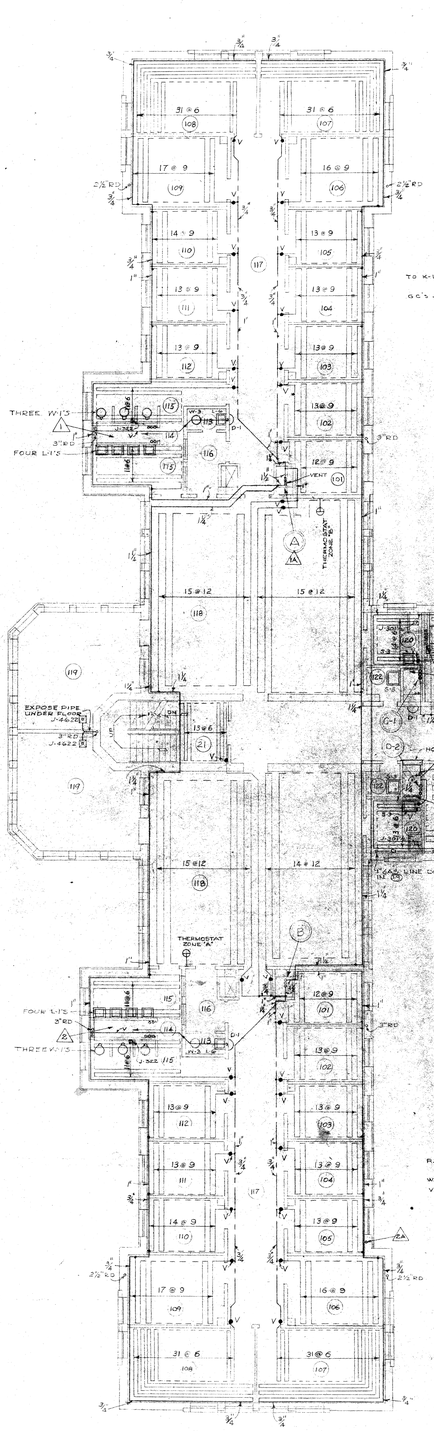
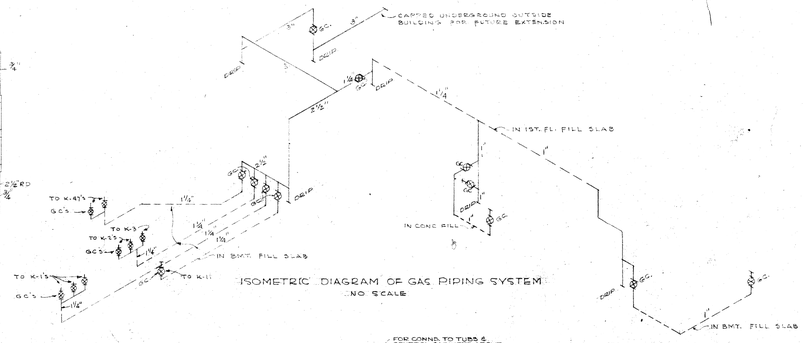
DATE OCT. 1947
REVISED AUG. 1952 (AS BUILT)

MARCELLUS WRIGHT & SON ARCHITECTS
103 EAST MAIN STREET
RICHMOND, VIRGINIA

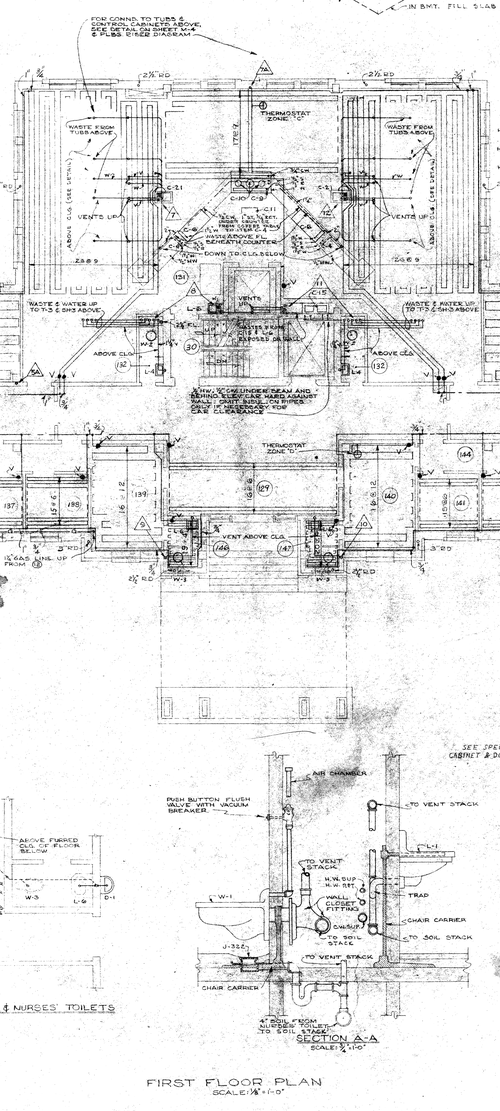
SHEET M-2 OF 10

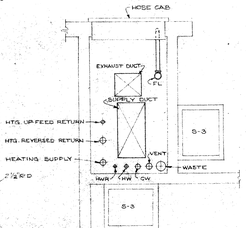


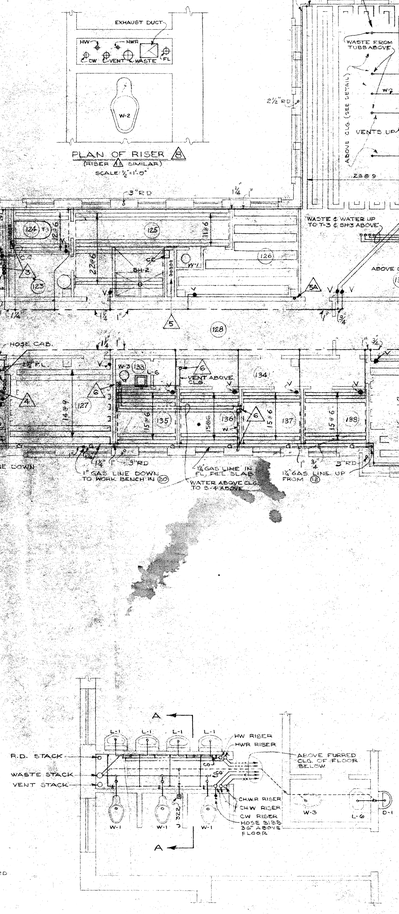


ISOMETRIC DIAGRAM OF GAS PIPING SYSTEM
NO SCALE

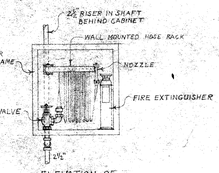
PLAN OF RISER (RISER A SIMILAR)
SCALE: ¾"=1'-0"





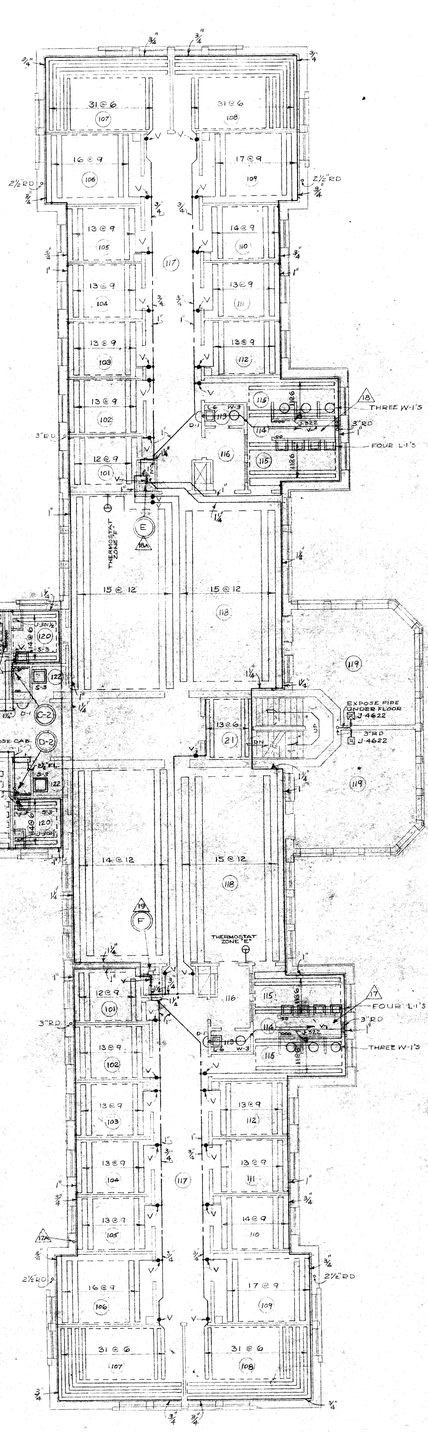
PLAN OF RISER (RISERS A & A1 SIMILAR)
SCALE: ¾"=1'-0"

PLAN OF TYPICAL PATIENT'S & NURSES' TOILETS
SCALE: ¾"=1'-0"

SECTION A-A
SCALE: ½"=1'-0"



ELEVATION OF TYPICAL HOSE CABINET
SCALE: ½"=1'-0"

FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



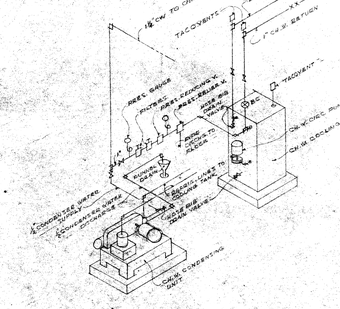


DIAGRAM OF TYPICAL CHILLED WATER EQUIPMENT AND CONNECTIONS
NO SCALE

CAFETERIA EQUIPMENT SCHEDULE

EQUIPMENT		H.W.	C.W.	WASTE	STEAM	RETURN
C-4	STEAM TABLES (8)	½"		2"	¾"	½"
C-8	COLD PANS-ICE (2)			2"**		
C-9	URN TRAY			2"**		
C-10	COMPOSITORS (3)	½"	½"	2"	¾"	½"
C-15	SINK	½"	½"	2"		
C-21	DRINKING WATER STATS (2)		½"	¾"		
C-11	MILK DISPENSER			2"**		

* FAUCETS FURNISHED WITH FIXTURES
** NO TRAPS REQUIRED (WASTES RUN TO FUNNEL DRAIN)
*** TRAPS FURNISHED WITH FIXTURES

HEATING & PLUMBING

RECEPTION BUILDING
WESTERN STATE HOSPITAL
WAYNESBORO ROAD
STAUNTON VIRGINIA

HANKINS, TRAPNELL AND ANDERSON
CONSULTING ENGINEERS
RICHMOND, VIRGINIA

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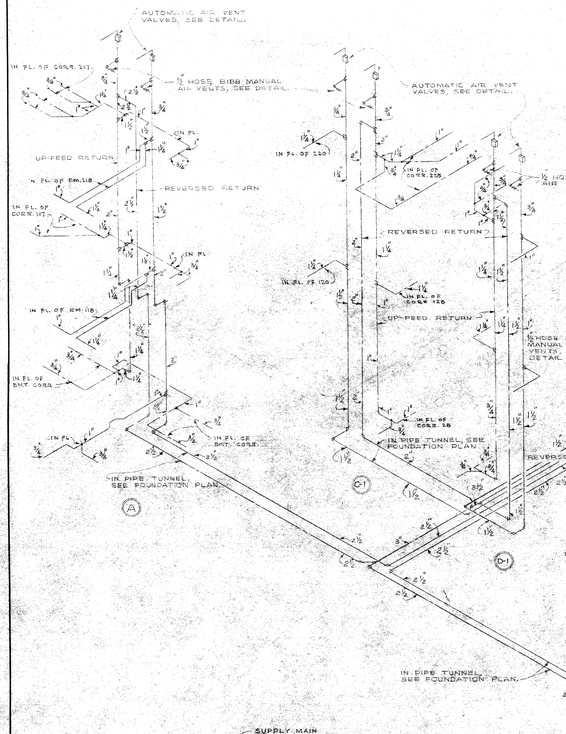
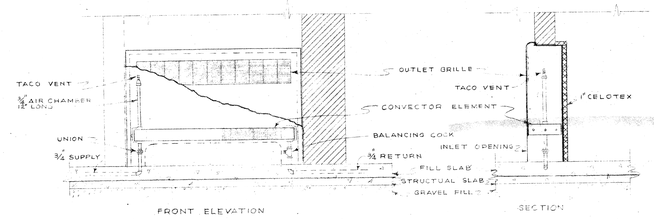
ARCHITECTS
1107 EAST MAIN STREET
RICHMOND, VIRGINIA

SHEET M-3 OF 10



SCHEMATIC HEATING PIPING DIAGRAM

NO SCALE



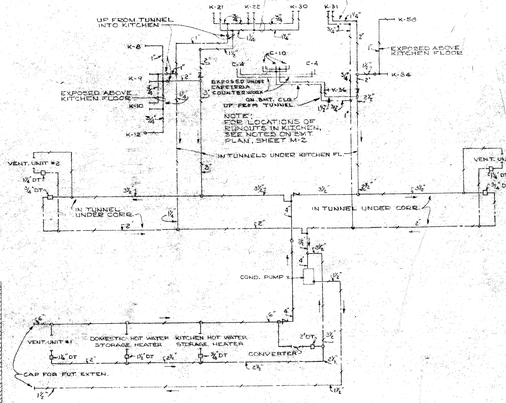
TYPICAL CONVECTOR DETAILS
FOR
RECEPTION BLDG. STAIRHALLS (2)
MALE RECOVERY BLDG. STAIRHALL (2)
FEMALE RECOVERY BLDG. STAIRHALL (4)

SCALE ½" = 1'-0"

(A)

AUTOMATIC VALVE SCHEDULE (RECEPTION BLDG.)					
VALVE	TYPE	GPM	LB. STEAM/HR	SIZE	BASED ON
ZONE A	WATER	33		2"	JOHNSON SERV. #V-97
" B	"	38		2½"	" " "
" C	"	46		2½"	" " "
" D	"	27		2"	" " "
" E	"	33		2"	" " "
" F	"	38		2½"	" " "
VENT UNIT #1	STEAM		367	2½"	" #V-106
" #2	"		426	2½"	" " "
" #3	"		426	2½"	" " "
DOM. H.W.	"		847	2"	FULTON SYPHON #931
KIT. H.W.	"		87	¾"	" " "
CONVERTER	"		2135	5"	JOHNSON SERV. #V-105

NOTE: DROP THRU VALVES NOT TO EXCEED 1 LB./SQ.IN. WHEN FULL OPEN

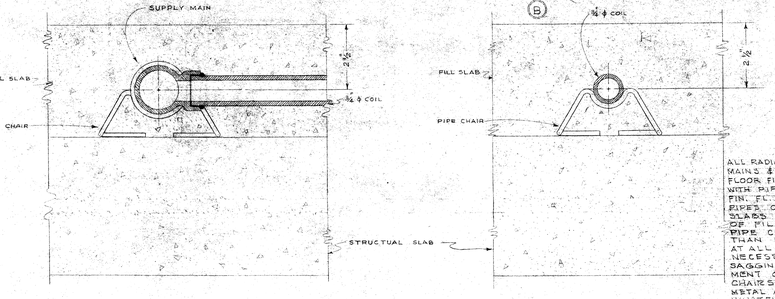


STEAM PIPING DIAGRAM

NO SCALE

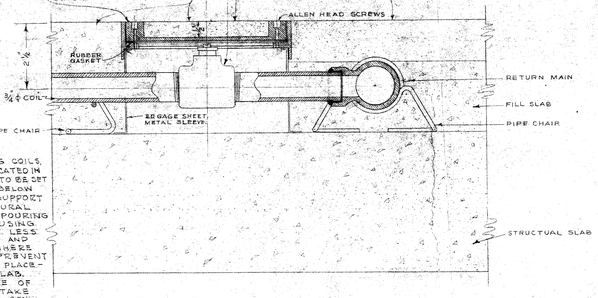
NOTE

ALL DETAILS MARKED (A) ARE APPLICABLE TO
RECEPTION BUILDING
RECOVERY BUILDING - MALE
RECOVERY BUILDING - FEMALE
EXCEPT WHERE OTHERWISE NOTED



NOTE

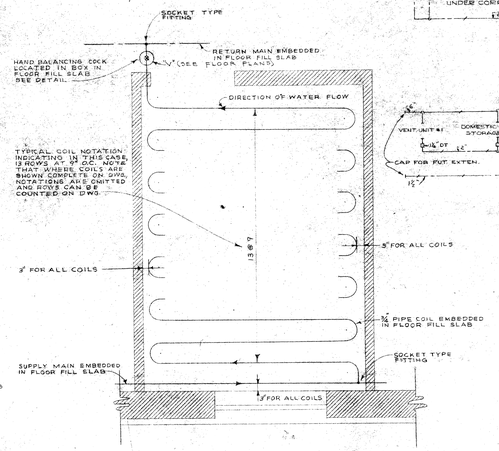
ALL RADIANT HEATING COILS, MAINS & CONNS. LOCATED IN FLOOR FILL SLABS TO BE SET WITH PIPE 2" & 2½" BELOW FIN. FL. LEVEL. SUPPORT PIPES ON STRUCTURAL SLABS PRIOR TO POURING OF FILL SLABS USING PIPE CHAIRS NOT LESS THAN 10 FT. O.C. AND AT ALL POINTS WHERE NECESSARY TO PREVENT SAGGING DURING PLACEMENT OF FILL SLAB. CHAIRS SHALL BE OF METAL AND MAY TAKE WHATEVER SHAPE CONTRACTOR PREFERS.



TYPICAL DETAILS OF RADIANT FLOOR HEATING COILS

SCALE: 6" = 1'-0"

(A)



TYPICAL RADIANT HEATING COIL ARRANGEMENT

SCALE: ½" = 1'-0"

(A)

HEATING

RECEPTION BUILDING

WESTERN STATE HOSPITAL

WAYNESBORO ROAD
STAUNTON, VIRGINIA

DATE		
OCT. 1949	MARCELLUS WRIGHT & SON ARCHITECTS 110 EAST MAIN STREET RICHMOND, VIRGINIA	SHEET M-5 OF 10
REVISED		
AUG. 1950 AS BUILT		

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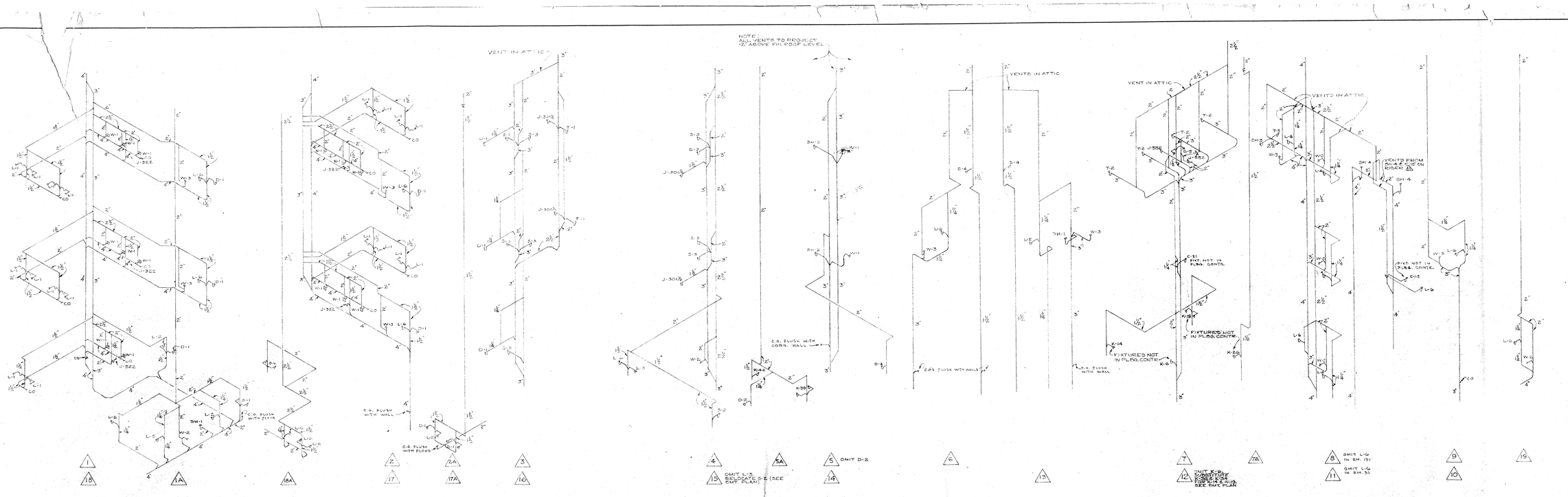
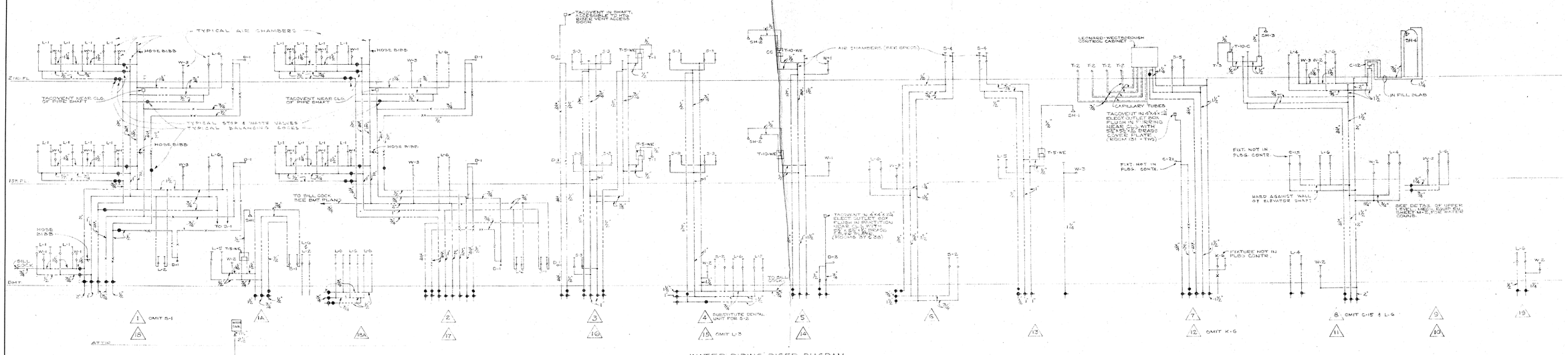
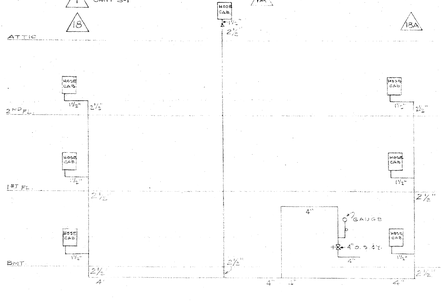


ISOMETRIC SOIL, WASTE & VENT RISER DIAGRAM
NO SCALE



WATER PIPING RISER DIAGRAM
NO SCALE



FIRE LINE RISER DIAGRAM
NO SCALE

PLUMBING

RECEPTION BUILDING
WESTERN STATE HOSPITAL
WAYNESBORO ROAD
STAUNTON VIRGINIA

DATE	ARCHITECTS	SHEET
OCT. 1947	MARCELLUS WRIGHT & SON ARCHITECTS 1103 EAST MAIN STREET RICHMOND, VIRGINIA	M-6
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