PARTIAL PLOT PLAN

SCALE 1/32"

HOSPITAL

NORTH

SCALE 1/32"

BASEMENT WEST PLAN

SCALE 1/32"

KEY PLAN

NOTES APPLICABLE TO ALL DRAWINGS

1. FOR CONVENTIONAL SYMBOLS, MATERIALS, USE OF FITTINGS, ETC. SEE SPECIFICATIONS.
2. ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE NOTED.
3. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.
4. ALL CONDUCTORS SHALL BE SOLID UNLESS OTHERWISE NOTED.
5. ALL CONDUCTORS SHALL BE INSULATED FOR 600 VOLTS UNLESS OTHERWISE NOTED.
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100. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.

M-1

DATE 12-12-57

DRAWN BY

CHECKED

HEATING, VENTILATING & AIR CONDITIONING
BASEMENT WEST

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

WALKER • KALIONZES • KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE
STRUCTURAL ENGINEER

SAMUEL L. KAYE
MECHANICAL ENGINEER

FOST[illegible] SAMPSON
ELE[illegible]L ENGINEER

5	
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3	
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1	

REVISIONS

SOUTH BAY HOSPITAL
SOUTH BAY HOSPITAL DISTRICT
CHULA VISTA, CALIFORNIA

WALKER · KALIONZES · KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
GENERAL CONTRACTOR

HENRY M. LAYNE — STRUCTURAL ENGINEER
SAMUEL L. KAYE — MECHANICAL ENGINEER
FOSTER K. SAMPSON — ELECTRICAL ENGINEER

NO.	REVISIONS	CHECKED	DATE
1			
2			
3			
4			
5			

Scale 1/8" = 1'-0"

Job # 9802-7-61

PARTIAL BASEMENT PLAN
SCALE: 1/8"=1'-0"

KEY PLAN

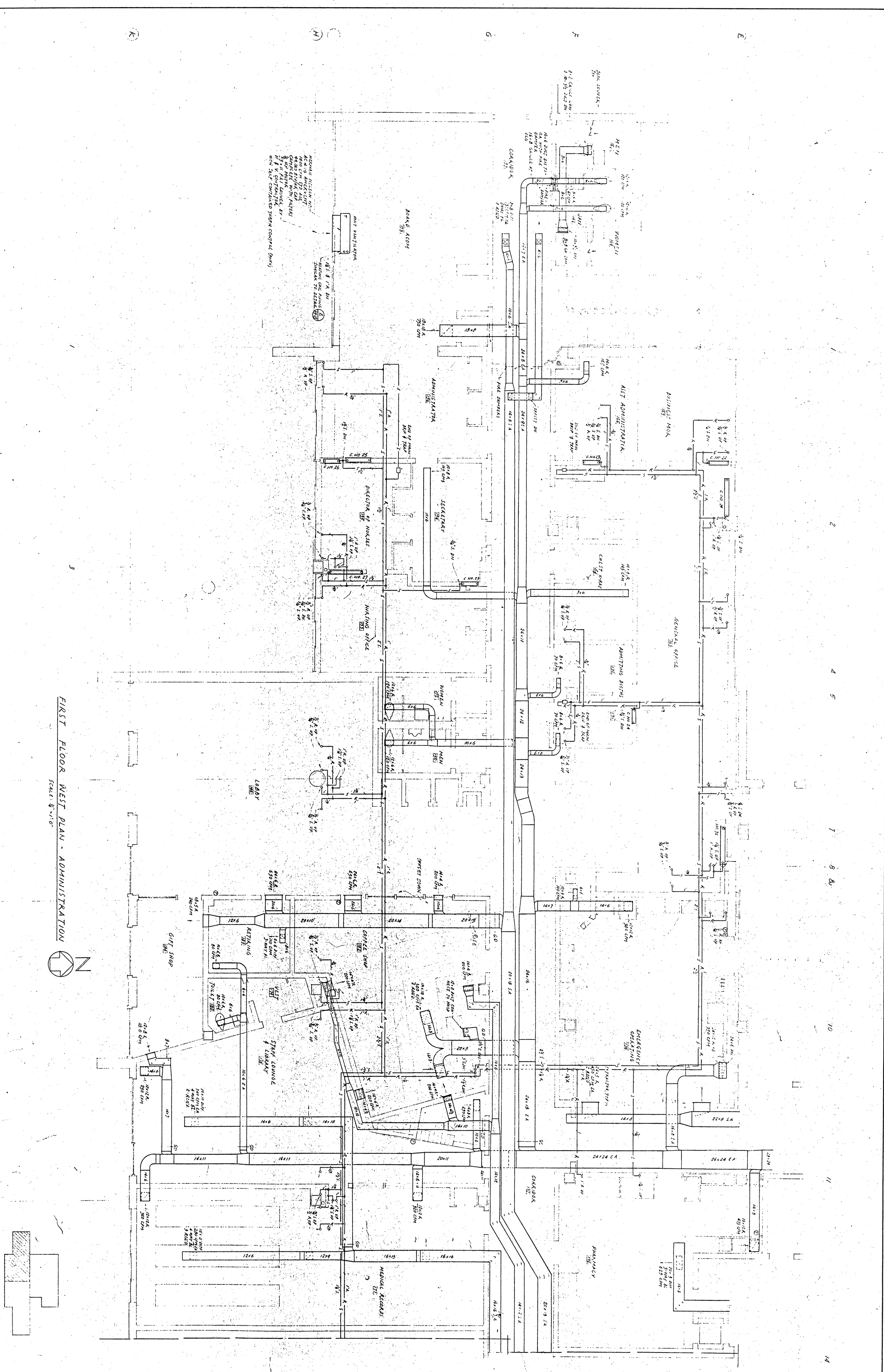
SECTION
SCALE: 1/8"=1'-0"

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

BASEMENT EAST PLAN
SCALE: 1/8"=1'-0"

N

NOTE: 1 HR RATED CONSTRUCTION



HEATING, VENTILATING & AIR-CONDITIONING. — FIRST FLOOR-WEST. —

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT

REDONDO BEACH, CALIFORNIA

M-3

DATE 12-18-57

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WALKER • KALIONZES • KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE
STRUCTURAL ENGINEER

SAMUEL L. KAYE
MECHANICAL ENGINEER

FOSTER K. SAMPSON
ELECTRICAL ENGINEER

	REVISIONS
5	
4	
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FIRST FLOOR EAST PLAN

SCALE: ¼"=1'-0"

SECTION EXHAUST DUCT ON ROOF

SCALE: 1"=1'-0"

DETAIL EXHAUST HOOD

SCALE: ¾"=1'-0"

FIRST FLOOR AIR CONDITIONING & VENTILATING

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT

REDONDO BEACH, CALIFORNIA

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DATE 12-18-57

WALKER · KALIONZES · KLINGERMAN

A R C H I T E C T S

LOS ANGELES, CALIFORNIA

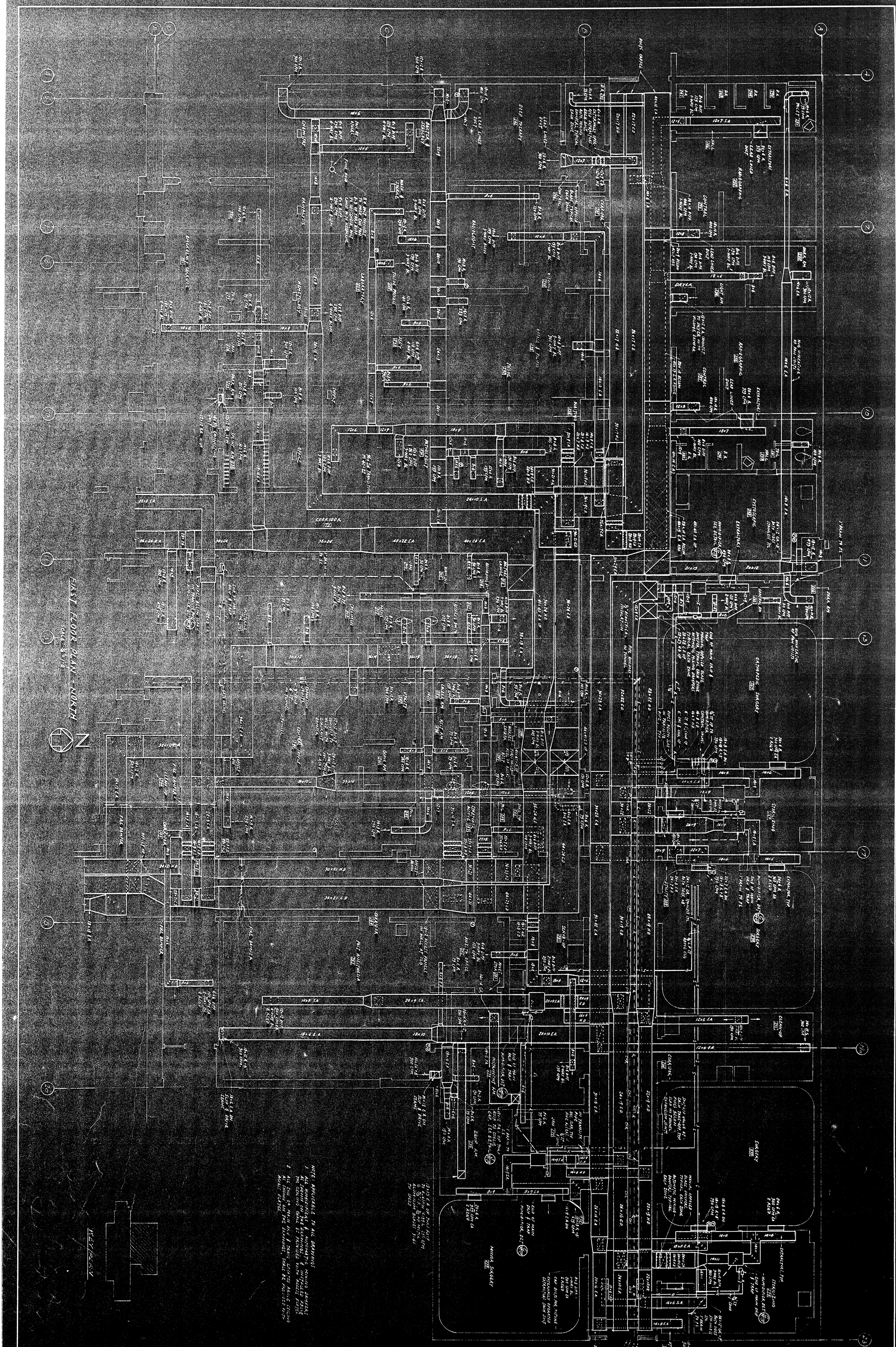
AUGUST W. KOENIG

HOSPITAL CONSULTANT

HENRY M. LAYNE	STRUCTURAL ENGINEER	5
SAMUEL L. KAYE	MECHANICAL ENGINEER	4
FOSTER K. SAMPSON	ELECTRICAL ENGINEER	3
		2
		1

REVISIONS

M-4



M-5

DATE 12-18-57

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HEATING, VENTILATING & AIR-CONDITIONING
FIRST FLOOR - NORTH

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

WALKER • KALIONZES • KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE
STRUCTURAL ENGINEER

SAMUEL L. KAYE
MECHANICAL ENGINEER

FOSTER K. SAMPSON
ELECTRICAL ENGINEER

	REVISIONS
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1	

SECOND FLOOR WEST PLAN

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

KEY PLAN

HEATING, VENTILATING & AIR CONDITIONING

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT

REDONDO BEACH, CALIFORNIA

CHECKED

DRAWN BY A.W.K.

DATE 12-18-57

M-6

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ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE	STRUCTURAL ENGINEER	5
SAMUEL L. KAYE	MECHANICAL ENGINEER	4
FOSTER K. SAMPSON	ELECTRICAL ENGINEER	3
		2
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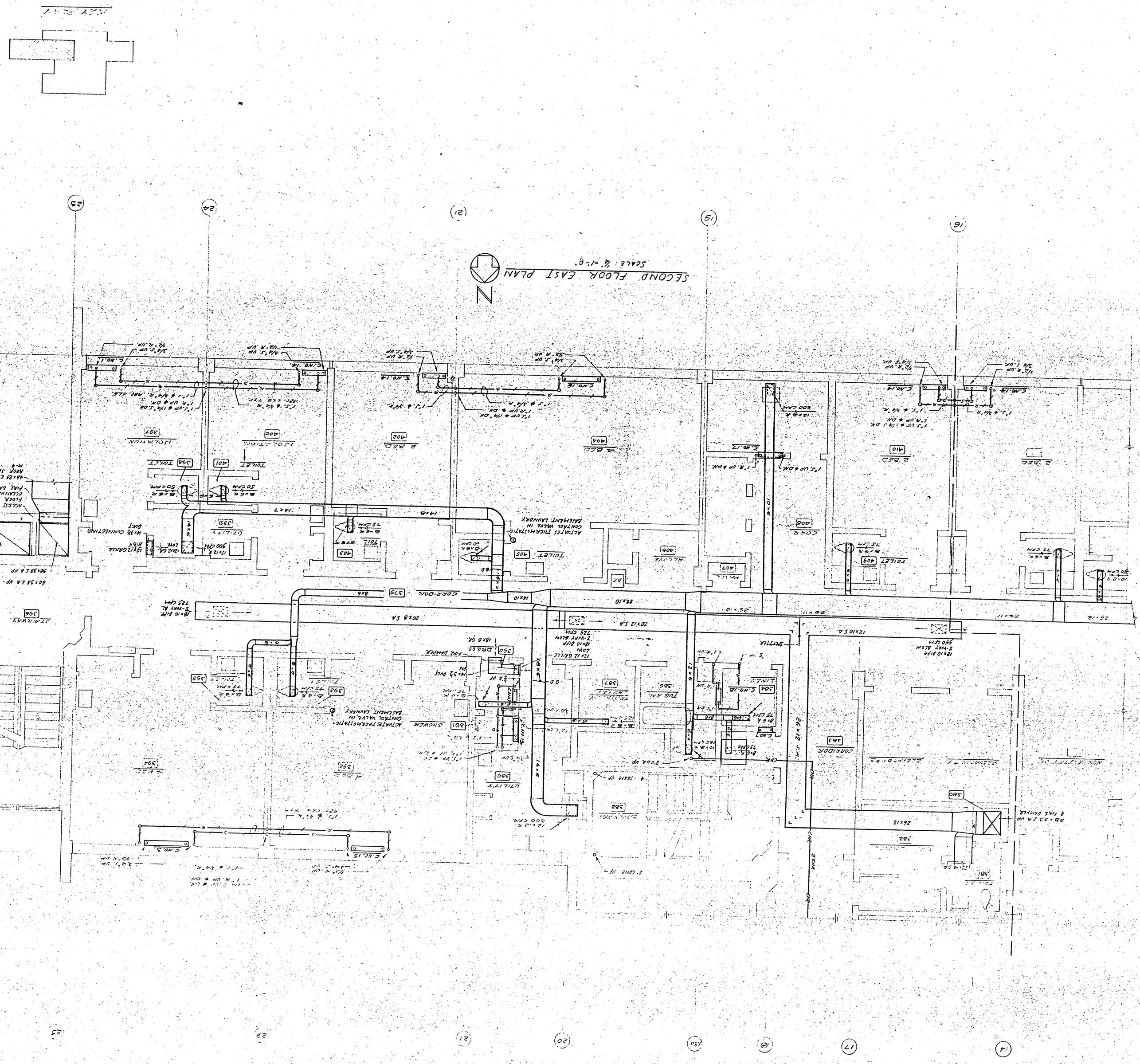
REVISIONS

SECOND FLOOR EAST PLAN

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

N



HEATING, VENTILATING & AIR-CONDITIONING
SECOND FLOOR: EAST

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

CHECKED

DRAWN BY

DATE 12-18-57

M-7

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ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE	STRUCTURAL ENGINEER
SAMUEL L. KAYE	MECHANICAL ENGINEER
FOSTER K. SAMPSON	ELECTRICAL ENGINEER

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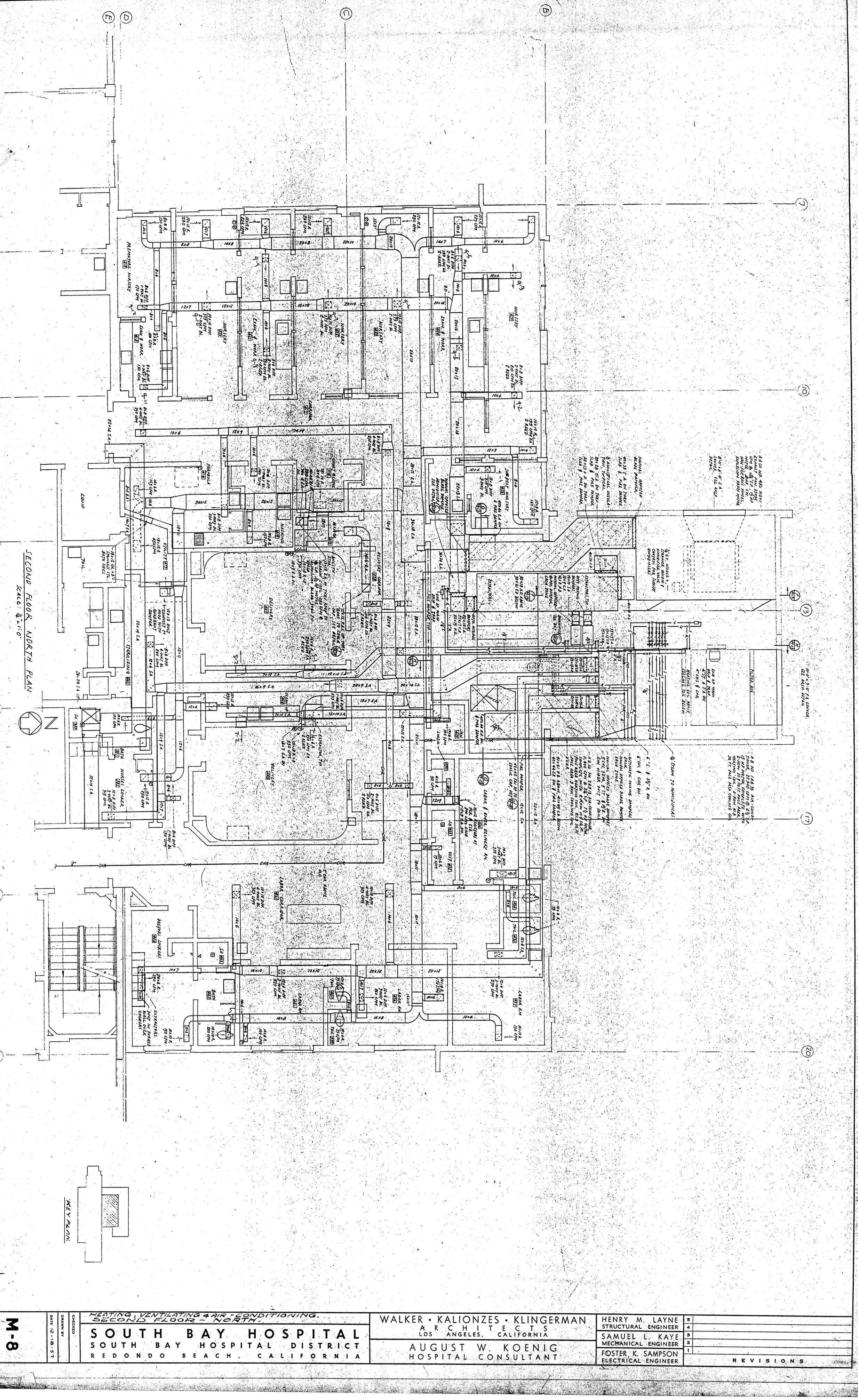
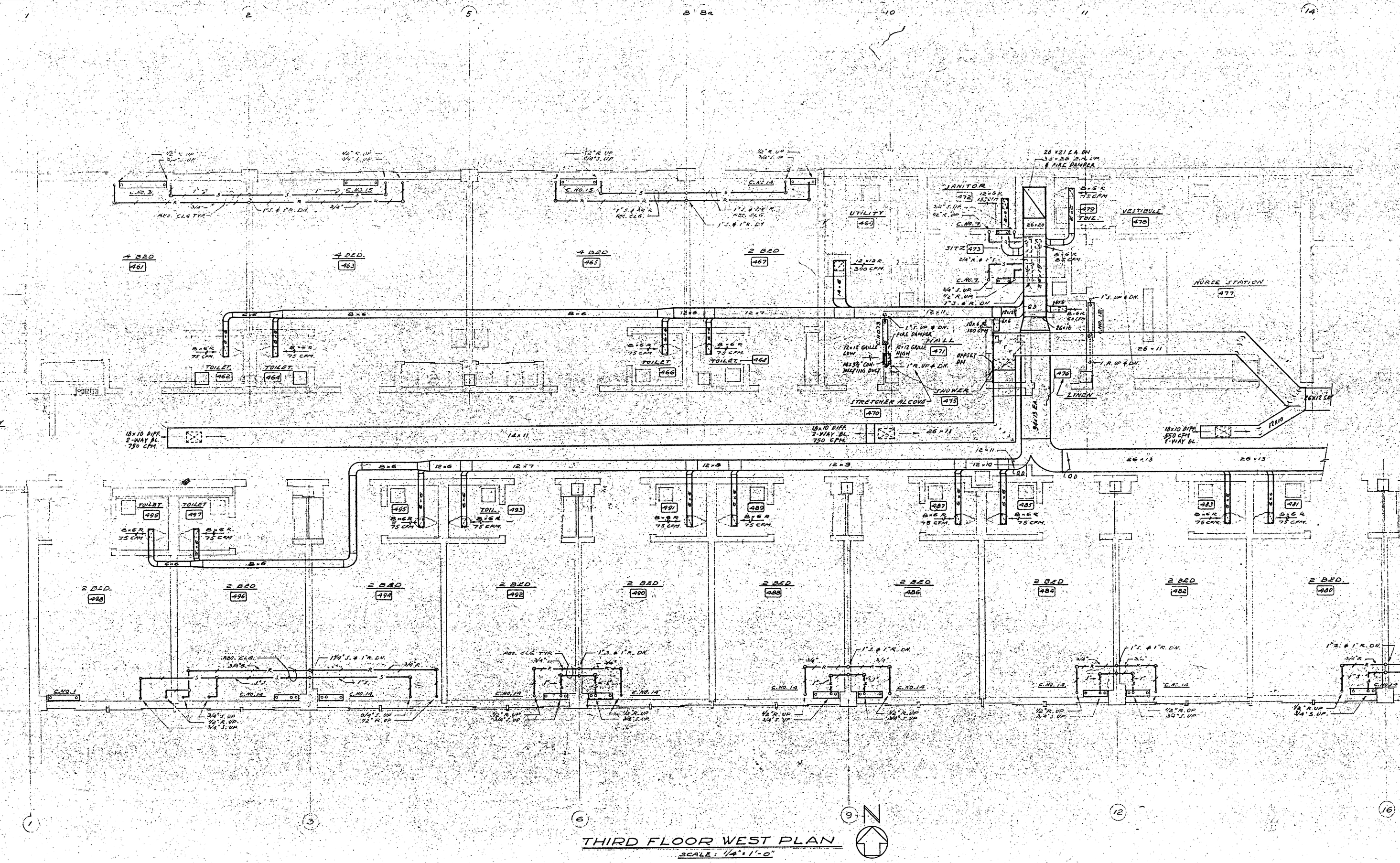
REVISIONS


SECOND FLOOR NORTH PLAN
SCALE: 1/4"=1'-0"
N
KEY PLAN
EQUIP
PREFABRICATED KIVA (27)
NURSERY
DELIVERY
UTILITY
DOCTORS LOCKERS
LABOR & DELIV. RM.
NURSERY LOCKER
BATH
PANTRY
SH
TOIL.
CORRIDOR
STERILIZING
EXTRACTORS, TYP.
SUB-BASEMENT
SEE DWG. M-7
STEAM TO HUMIDIFIERS
6" C.I. & 2½" K. DN
6" CHR & CHR DN
TILE BASE
MANUAL OPPOSED BLADE DAMPER
MANUAL OPPOSED BLADE DAMPER IN FIRE WALL
SMOKE DAMPER
FIRE DAMPER
SMOKE & FIRE DAMPER
SMOKE DAMPER ACTUATED BY DUCT DETECTOR
FIRE DAMPER ACTUATED BY DUCT DETECTOR
SMOKE & FIRE DAMPER ACTUATED BY DUCT DETECTOR
SEE DWG. M-7 FOR DUCT DETECTOR LOCATIONS
SEE DWG. M-7 FOR DUCT SMOKE


4 BED 461
4 BED 463
4 BED 465
2 BED 467
UTILITY 460
JANITOR 472
VESTIBULE 470
NURSE STATION 477
STAIRWAY 460
TOILET 462
TOILET 464
TOILET 466
TOILET 468
TOILET 469
TOILET 497
TOIL. 493
2 BED 498
2 BED 496
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STRETCHER ALCOVE 470
LINEN 476
SHAFT 475
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18x10 DIFF. 2-WAY SL. 750 CFM.
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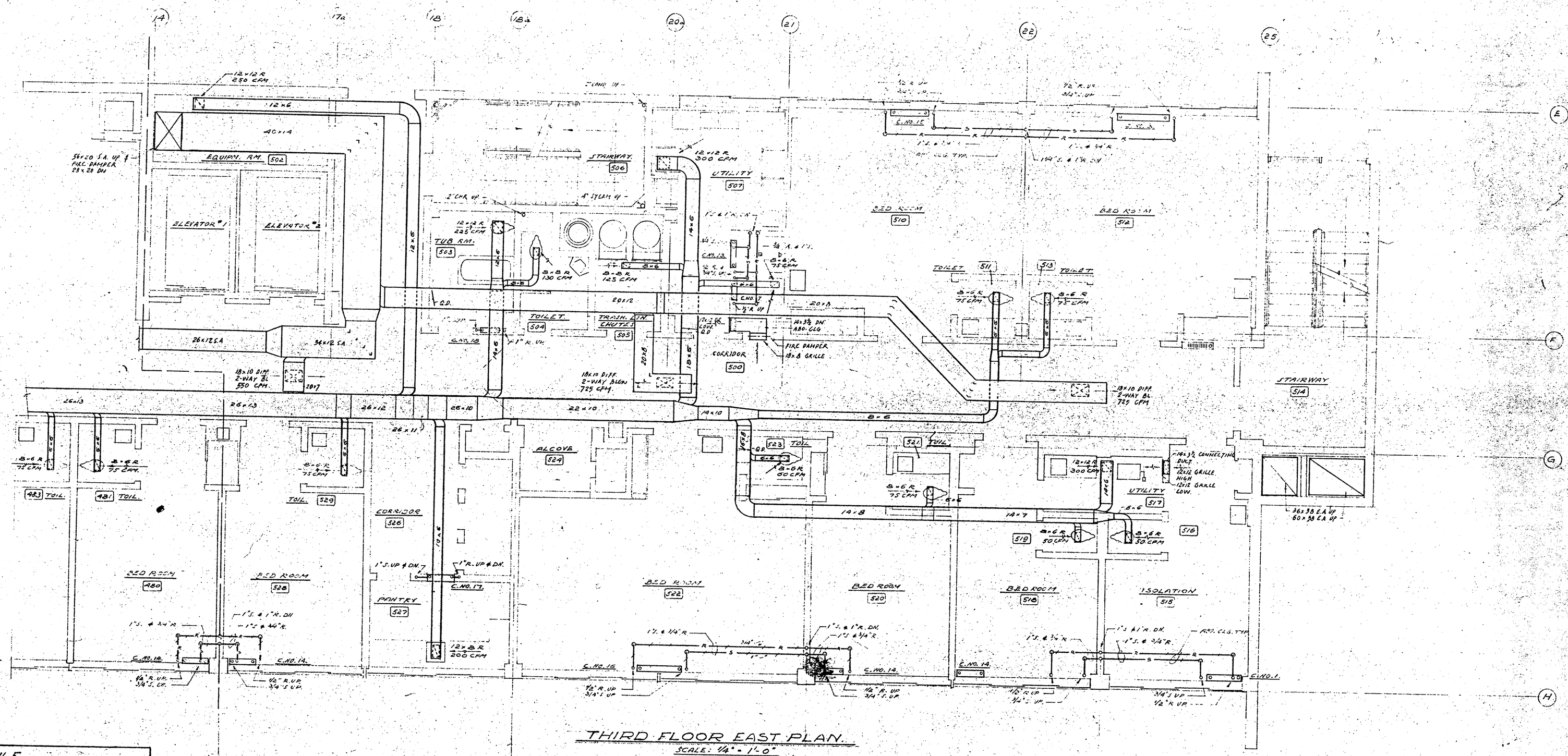
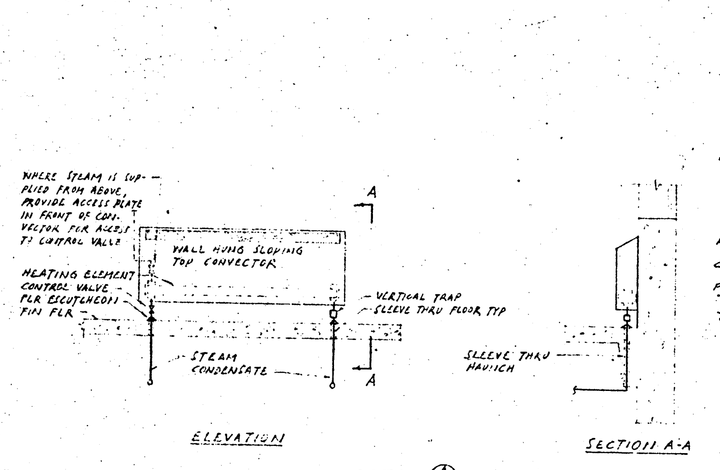


THIRD FLOOR EAST PLAN

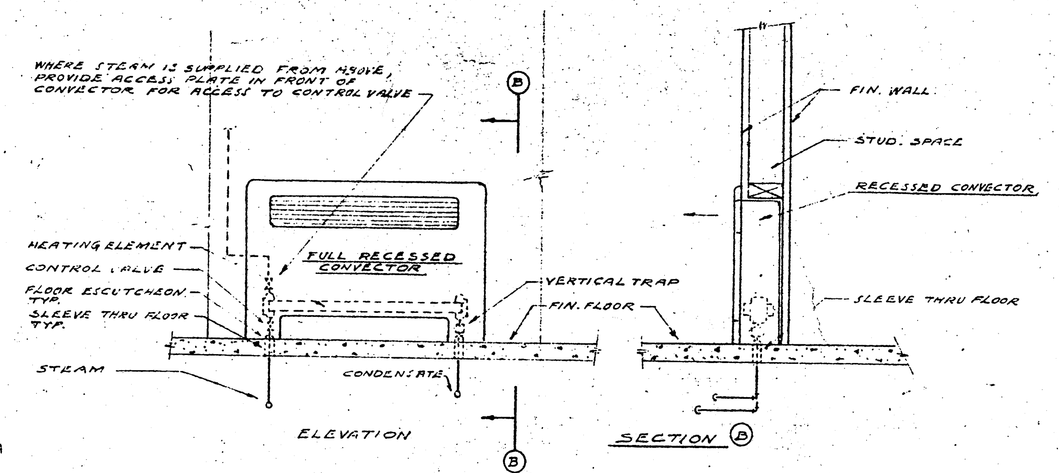
SCALE: 1/4" = 1'-0"

CONVECTOR SCHEDULE

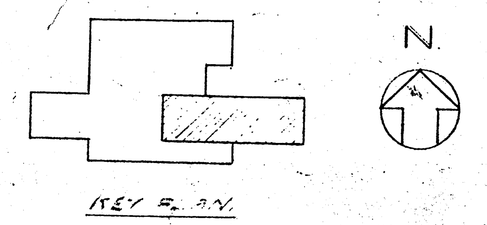
No.	SIZE. LENGTH.	HEIGHT.	DEPTH.	E.D.R.	STEAM PIPING SUPPLY & COND. TAIL VALVE	RETURN @ STEAM	REMARKS.
1	36	20	6	38	½"	½"	WALL HUNG SLOPING TOP
2	44	20	6	48	½"	½"	" " " "
3	56	20	6	62	¾"	½"	" " " "
4	20	20	6	19	½"	½"	" " " "
5	56	20	8	79	¾"	½"	" " " "
6	40	26	4	27	½"	½"	FULL RECESS, WEB STIFFENING
7	16	18	4	5	½"	½"	" " " "
8	56	32	6	59	¾"	½"	" " " "
9	64	38	4	47	½"	½"	" " " "
10	24	24	4	14.5	½"	½"	" " " "
11	36	20	4	19.5	½"	½"	" " " "
12	56	26	4	41	½"	½"	" " " "
13	28	32	4	19	½"	½"	" " " "
14	28	20	6	28	½"	½"	WALL HUNG SLOPING TOP
15	40	20	6	44	½"	½"	" " " "
16	48	20	6	55	½"	½"	" " " "
17	28	20	4	14	½"	½"	FULL RECESS, WEB STIFFENING
18	20	18	4	9	½"	½"	" " " "
19	20	14	4	11	½"	½"	WALL HUNG SLOPING TOP
20	24	20	6	26	½"	½"	" " " "
21	48	32	6	60.5	¾"	½"	" " " "
22	28	38	4	19.5	1"	½"	" " " "
23	24	26	4	13.5	½"	½"	FULL RECESS, WEB STIFFENING
24	20	26	4	12.5	½"	½"	" " " "
25	36	38	6	38.5	½"	½"	" " " "
26	24	38	6	24.5	½"	½"	" " " "
27	48	38	4	35.	1"	½"	" " " "
28	24	20	4	16	½"	½"	WALL HUNG SLOPING TOP
29	56	32	6	73.5	¾"	½	FULL RECESS, WEB STIFFENING
30	56	32	6	59.5	¾"	½	" " " "



DETAIL (A) A-10
SCHEMATIC CONVECTOR PIPING
NOT TO SCALE



DETAIL (B) A-10
RECESSED CONVECTOR PIPING
NO SCALE



KEY PLAN

WALKER · KALIONZES · KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

HENRY M. LAYNE — STRUCTURAL ENGINEER
SAMUEL L. KAYE — MECHANICAL ENGINEER
FOSTER K. SAMPSON — ELECTRICAL ENGINEER

AUGUST W. KOENIG
MECHANICAL CONSULTANT

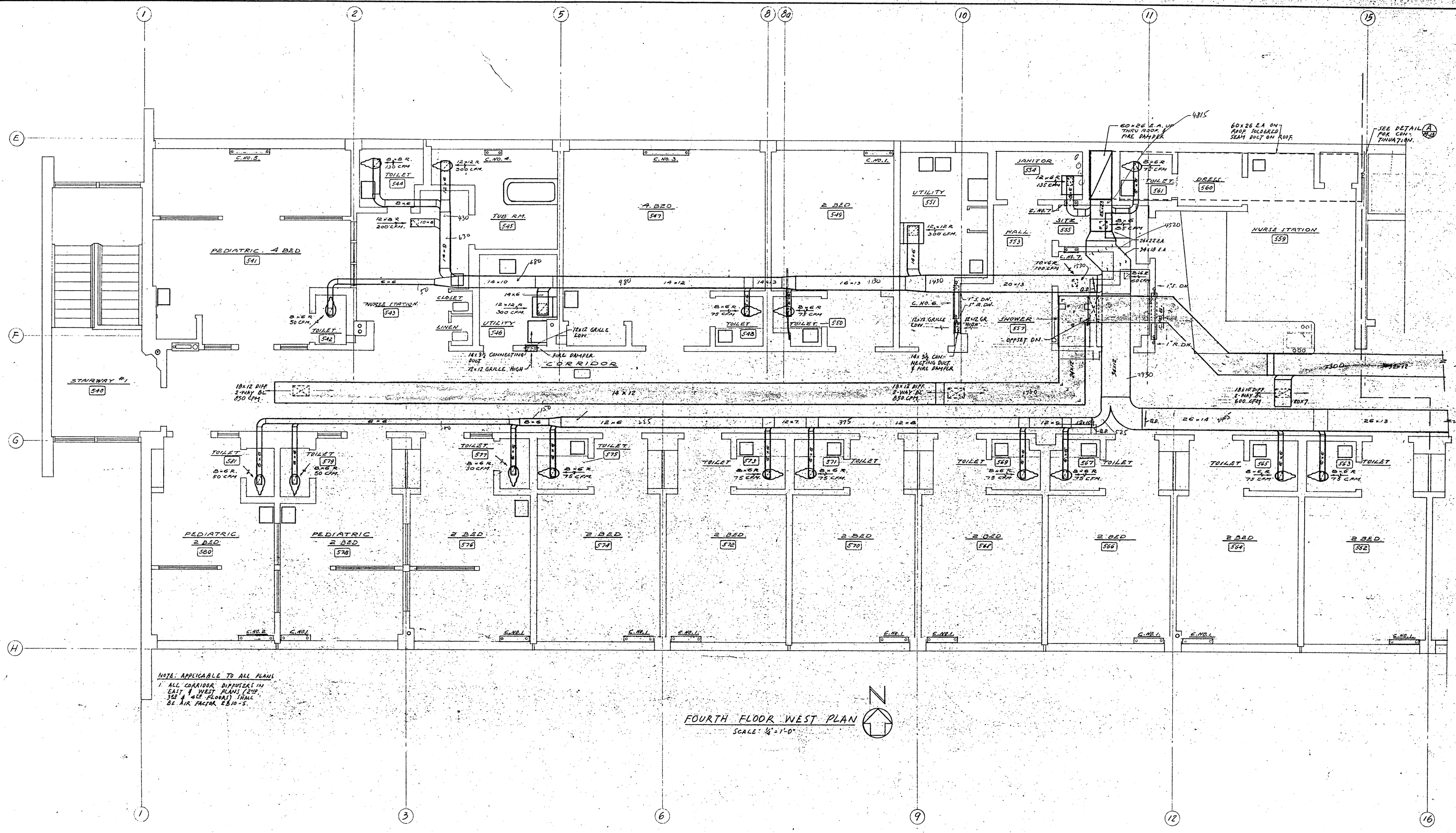
REVISIONS
5
4
3
2
1

SOUTH BAY HOSPITAL DISTRICT
SOUTH BAY HOSPITAL
REDONDO BEACH, CALIFORNIA

HEATING, VENTILATING & AIR CONDITIONING FLOOR PLANS

CHECKED
DRAWN BY
DATE 12-12-52

M-10



NOTE: APPLICABLE TO ALL PLANS
1. ALL CORRIDOR DIFFUSERS IN EAST & WEST PLANS (2ND TO 8 & 4CF FLOORS) SHALL BE AIR FACTOR 2.10-S.

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

KEY PLAN.

WALKER • KALIONZES • KLINGERMAN
ARCHITECTS
LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG
HOSPITAL CONSULTANT

HENRY M. LAYNE — STRUCTURAL ENGINEER
SAMUEL L. KAYE — MECHANICAL ENGINEER
FOSTER K. SAMPSON — ELECTRICAL ENGINEER

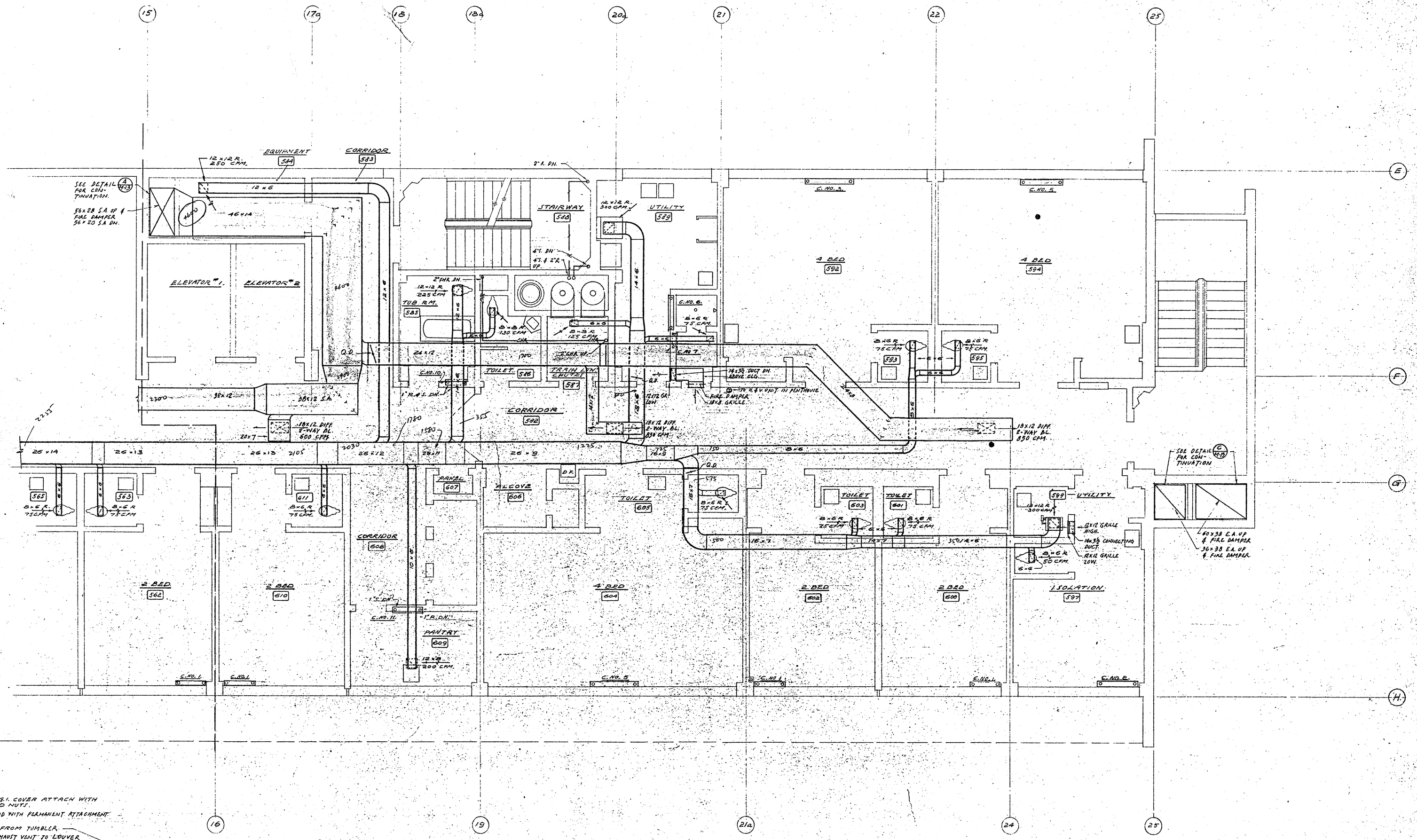
REVISIONS

HEATING, VENTILATING & AIR-CONDITIONING - WEST WING

SOUTH BAY HOSPITAL
SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

CHECKED
DRAWN BY L. Wo
DATE 12-15-5

M-11



FOURTH FLOOR EAST PLAN.
SCALE: 1/4"=1'-0"

DETAIL LINT COLLECTOR
NO SCALE.

CORNER DETAIL
NO SCALE

KEY PLAN.

ARCHITECTS	WALKER • KALIONZES • KLINGERMAN
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MECHANICAL ENGINEER	SAMUEL L. KAYE
ELECTRICAL ENGINEER	FOSTER-K. SAMPSON
HOSPITAL CONSULTANT	AUGUST W. KOENIG

REVISIONS

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FOR CONSTRUCTION

SOUTH BAY HOSPITAL
SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

CHECKED
DRAWN BY L. Wa...
DATE 12-12-57

M-12

SOUTH BAY HOSPITAL

SOUTH BAY HOSPITAL DISTRICT

REDONDO BEACH, CALIFORNIA

HEATING-VENTILATING-AIR-CONDITIONING

MACHINE VENTILATING ROOM PLAN & SECTIONS

WALKER • KALIONZES • KLINGERMAN

ARCHITECTS

LOS ANGELES, CALIFORNIA

AUGUST W. KOENIG

HOSPITAL CONSULTANT

HENRY M. LAYNE	STRUCTURAL ENGINEER
SAMUEL L. KAYE	MECHANICAL ENGINEER
FOSTER K. SAMPSON	ELECTRICAL ENGINEER

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CHECKED

DRAWN BY

DATE 12-18-57

M-13

MACHINE ROOM PLAN (A/M-13)

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

SECTION (B/M-13)

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

SECTION (C/M-13)

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

SECTION (D/M-13)

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

SECTION (E/M-13)

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

FAN ROOM (F/M-13)

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

SECTION (G/M-13)

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

SECTION (H/M-13)

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

DETAIL (J/M-13) CORRIDOR CONSOLE HEATER

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

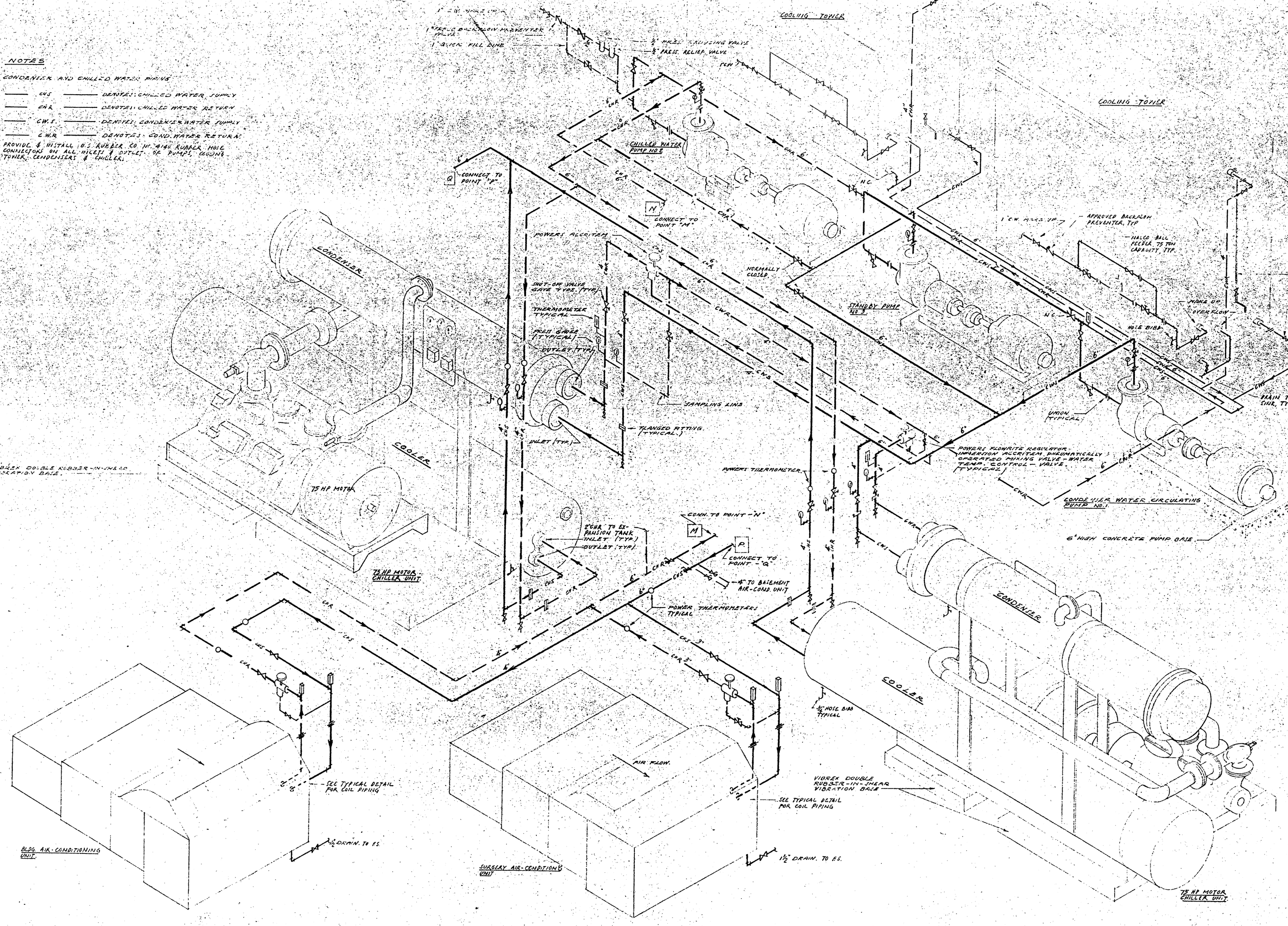
DETAIL (K/M-13) EXPANSION TANK

NOT TO SCALE.

NOTES

1. CONDENSER AND CHILLED WATER PIPING

2. ——— CHS ——— DENOTES: CHILLED WATER SUPPLY
3. ——— CHR ——— DENOTES: CHILLED WATER RETURN
4. ——— C.W.S ——— DENOTES: CONDENSER WATER SUPPLY
5. ——— C.W.R ——— DENOTES: COND. WATER RETURN
6. PROVIDE 4 WITALL NO. 5 RUBBER CO. NO. 4145 RUBBER HOSE CONNECTIONS ON ALL INLET & OUTLET OF PUMPS, COOLING TOWER, CONDENSERS & CHILLER.



REVISIONS	
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HENRY, M. LAYNE — STRUCTURAL ENGINEER
SAMUEL L. KAYE — MECHANICAL ENGINEER
FOSTER, K. SAMPSON — ELECTRICAL ENGINEER

WALKER • KALIONZES • KLINGERMAN
A R C H I T E C T S
Los ANGELES, CALIFORNIA

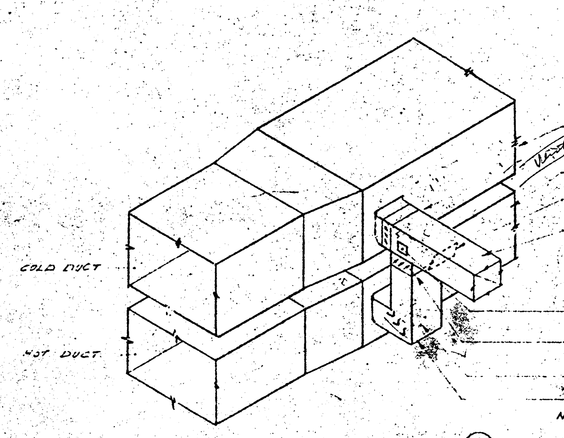
AUGUST W. KOENIG
HOSPITAL CONSULTANT

SCHEMATIC CHILLED WATER & CONDENSER WATER PIPING

SOUTH BAY HOSPITAL
SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

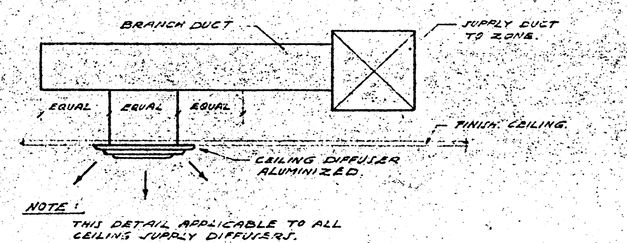
CHECKED
DRAWN BY L. WOLF
DATE 12-18-57

M-14



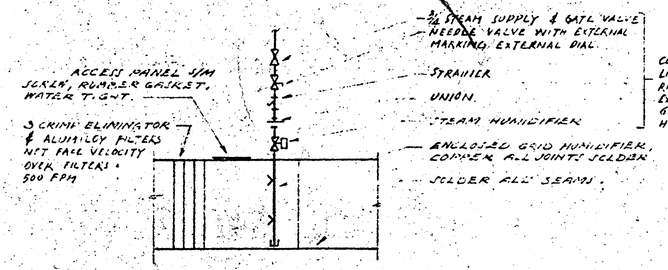
NOTE:
ALL BRANCH TAKE-OFFS FROM COLD & HOT DUCT SUPPLY MAINS SHALL BE PROVIDED WITH EXTERNALLY OPERATED DAMPERS.

DETAIL (A M-15)
ZONE BRANCH TAKE-OFF
NO SCALE.

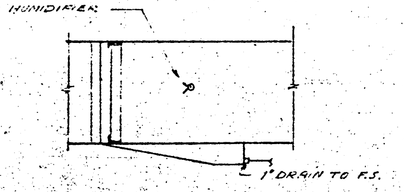


NOTE:
THIS DETAIL APPLICABLE TO ALL CEILING SUPPLY DIFFUSERS.

DETAIL (B M-15)
SUPPLY DUCT AT DIFFUSERS
NO SCALE

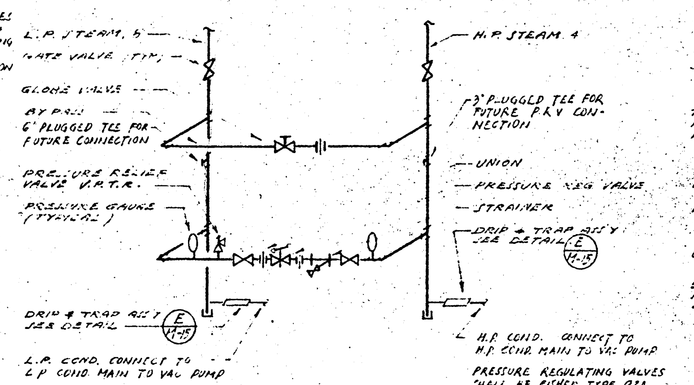


PLAN.

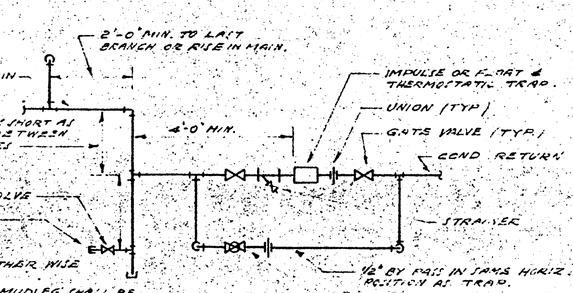


SECTION.

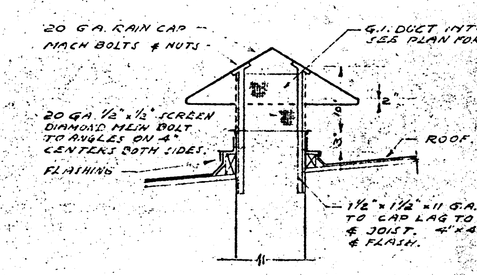
DETAIL (C M-15)
HUMIDIFIER - ENCLOSED TYPE
NO SCALE



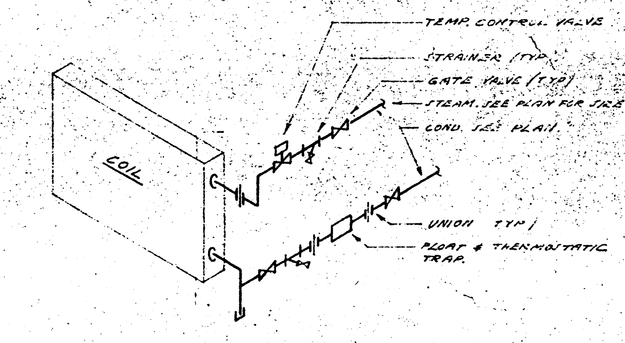
DETAIL (D M-15)
STEAM REDUCING STATION
NO SCALE



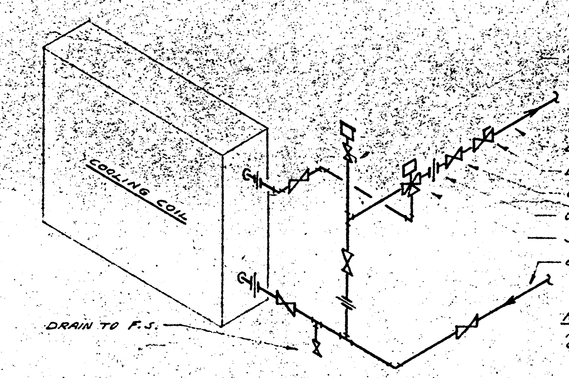
DETAIL (E M-15)
METHOD OF DRIPPING ENDS OF STEAM MAINS.
NO SCALE



DETAIL (F M-15)
COOLIE CAP.
NO SCALE.

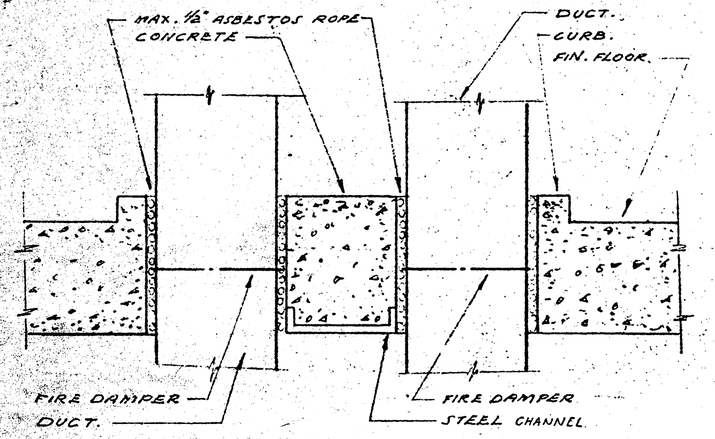


DETAIL (F M-15)
SCHEMATIC STEAM COIL PIPING
NO SCALE

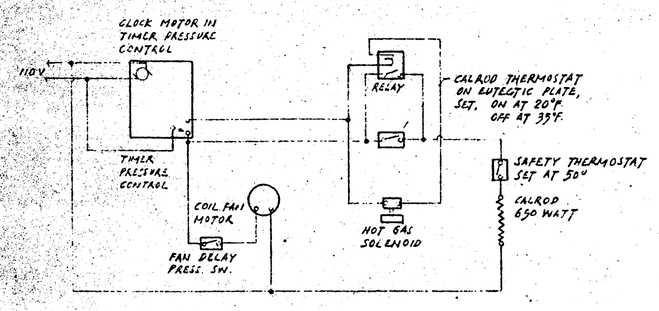


NOTE.
ALL BY H.V. & A.C. CONTRACTOR.

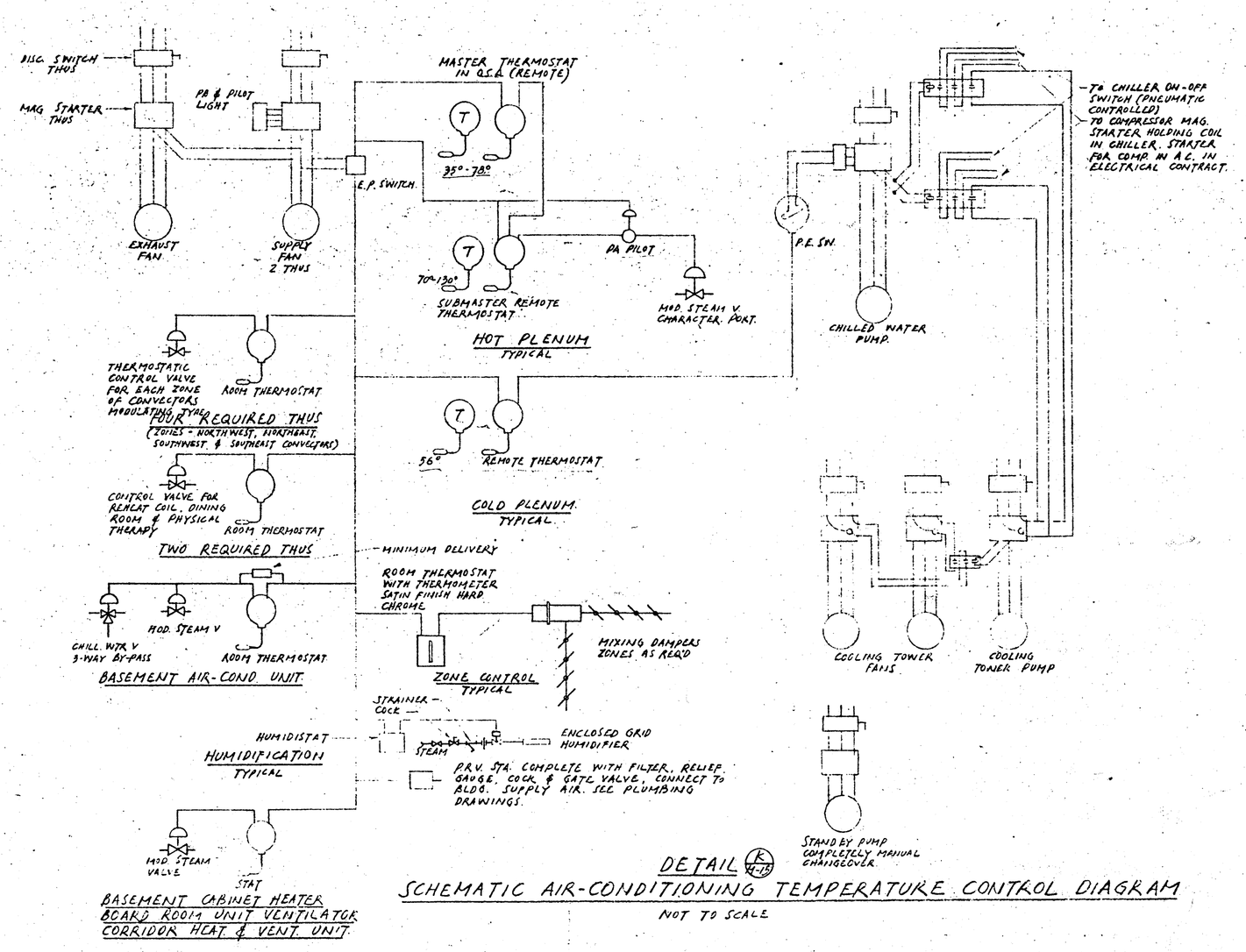
DETAIL (G M-15)
COOLING COIL PIPING
NO SCALE.



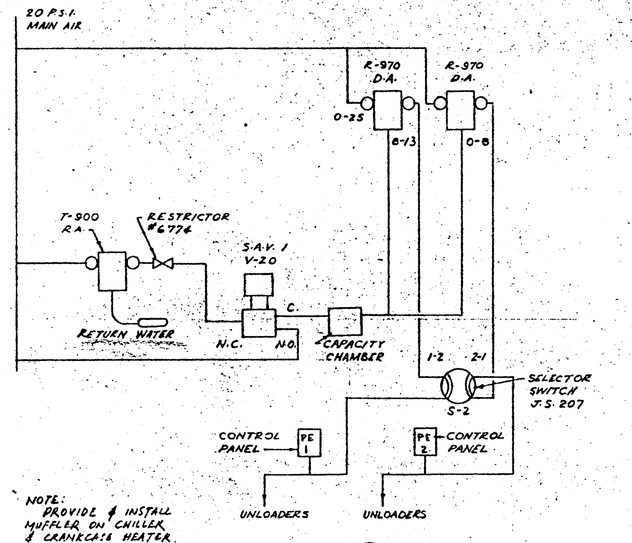
DETAIL (H M-15)
DUCT THROUGH FLOOR
NOT TO SCALE.



DETAIL (I M-15)
REFRIGERATOR DYNATHERM AUTOMATIC DEFROST SYSTEM
NOT TO SCALE



DETAIL (J M-15)
SCHEMATIC AIR-CONDITIONING TEMPERATURE CONTROL DIAGRAM
NOT TO SCALE



NOTE:
PROVIDE & INSTALL MUFFLER ON CHILLER & CRANKCASE HEATER.

DETAIL (K M-15)
CHILLER UNIT CONTROL DIAGRAM.

REVISIONS
1
2
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4
5

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SOUTH BAY HOSPITAL
SOUTH BAY HOSPITAL DISTRICT
REDONDO BEACH, CALIFORNIA

CHECKED

DRAWN BY EM & L.W.

DATE 12-18-57

M-15

BALTIMORE AIRCOIL NO. TM 75 COOLING TOWER 7½ HP FAN MOTOR

4" CWS & CHR. UP TO TOWER

6" CWS & CHR. BELOW SLAB IN PRE-INSULATED CONDUIT

4" CWS & CHR. UP TO TOWER

BALTIMORE AIRCOIL NO. TM 75 COOLING TOWER 7½ HP FAN MOTOR

20'

BOILER ROOM

16"x16" E.A. UP THRU ROOF TO GRAVITY ROOF VENTILATOR & HOOD.

SHOP

PAINT STORES

FLAMMABLE STORES

SEE NOTE RM. NO. 10

STORAGE

SEE NOTE RM. NO. 10

13"x13" E.A. UP THRU ROOF TO ALADDIN, CI-SL, 490 CFM @ ⅛" S.P. ⅛ HP MOTOR, 860 RPM, COMPLETE WITH BACKDRAFT DAMPER & 12"x12" EGG CRATE, 3040 TYP SPEED

TEMPERATURE CONTROL VALVE

2" STEAM

UNIT HEATER SUPPORT FROM CEILING WITH VIBRATION ISOLATORS PROVIDE & INSTALL 1½"x1½"x⅛" ANGLE IRON SWAY BRACING, BOLT TO WALL & UNIT, 2 REQ'D

UNIT HEATER

GATE VALVE, TYP
UNION, TYP
STRAINER, TYP
F & T TRAP

1" CONDENSATE

DETAIL (A M-101)

UNIT HEATER PIPING

NOT TO SCALE

3-POSITION SELECTOR SW 031-OFF-AUTO

TRANSFORMER 25 VA

MAGNETIC STARTER

MOTORIZED STEAM VALVE

MOTOR

TEMP CONTROLLER

DETAIL (B M-101)

UNIT HEATER CONTROL DIAGRAM

NOT TO SCALE

IN TUNNEL
1½ PRE-INSULATED CONDUIT

4" R. CHINECK TO VACUUM PUMP. SEE SH. P-101

PRESS. REGULATING VALVE ASSEMBLY (D/P-101)

4" HP STEAM TO P.R.V. STATION, SEE SH. P-101

8" I. DR. TO MFG. TUNNEL.

VACUUM PUMP IN TUNNEL.

TRANE NO. 9JH INSPIRATOR UNIT HEATER, 154,000 BTU CAP. AT 2 PSI STEAM & 60° F. ½ HP MOTOR, 1140 RPM

ANCHORS

IN TUNNEL

SEE PLOT PLAN FOR CONT.

4"R.

6"

8" & 4"R. UP

STANDBY

ENGINE GENERATOR

R.B.M. CO. NO. 12CB5T CENT. FAN ON SKATEBOARD AT CLG. 1362 CFM @ ⅜" S.P., ¾ HP MOTOR, 1140 R.P.M.

CODALIC CAP ON ROOF DETAIL (E M-101)

BACKDRAFT DAMPER

4'-0"x3'-0" E.A. UP THRU ROOF WITH MAL DAMPER CONNECT TO ENGINE GENERATOR DISCHARGE DUCT. TYP. PIPE MUFFLER EXHAUST FROM ENGINE GENERATOR. SEE INSULATE WITH 2" MANVILLE 'VERSI' WITH CANVAS JACKET

CHILLED WTR. PUMP NO. 1

CHILLED WTR. PUMP NO. 2 STANDBY PUMP NO. 3

EQUIPMENT RM.

TRANE CG 22A-D 75 HP MOTOR CHILLER UNIT

TRANE CG 22A-D 75 HP MOTOR CHILLER UNIT.

TOILET

SEE R. M. NO. 10 FOR ROOF EXHAUSTER

LOCKER RM.

ENGINEER

1'-6" & 1'-8" BELOW FLOR IN PRE-INSULATED CONDUIT.

8" & 4"R. UP

1'-6" & 1'-8" UP TO CONVECTOR

TRANE MCH FORCE-FLO HEATER, 2750 CFM @ 800 FAN RPM, 18,500 BTU CAPACITY, ½ HP MOTOR. SEE DETAIL (C M-101)

22"x22" E.A. UP THRU ROOF TO VZEE2, ALADIN ROOF EXHAUSTER, COMPLETE WITH LOUVERED DAMPER, 2,010 CFM @ ⅛" S.P., ½ HP MOTOR, 2 REQ'D

PUMP SCHEDULE

PUMP NO. 1
450 GPM @ 50 FT. HEAD, 10 HP MOTR.
1750 RPM.

PUMP NO. 2
500 GPM @ 90 FT HEAD 20 HP MOTOR
1750 RPM.

PUMP NO. 3
SAME AS NO. 2.

MECHANICAL BUILDING PLAN

SCALE: ⅛"=1'-0"

N

FREE STANDING MODEL FRONT INLET, TOP OUTLET

HEATING ELEMENT

CONTROL VALVE W/ ACCESS PANEL

TRAP

FIN. FLR.

1'-6" & 1'-8" BELOW FLOOR IN PRE-INSULATED CONDUIT

DETAIL (G M-101)

CABINET HEATER

SCALE: 1"=1'-0"

	REVISIONS
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PLUMBING, GAS PIPING & ELECTRICAL

SOUTH BAY HOSPITAL
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M-101