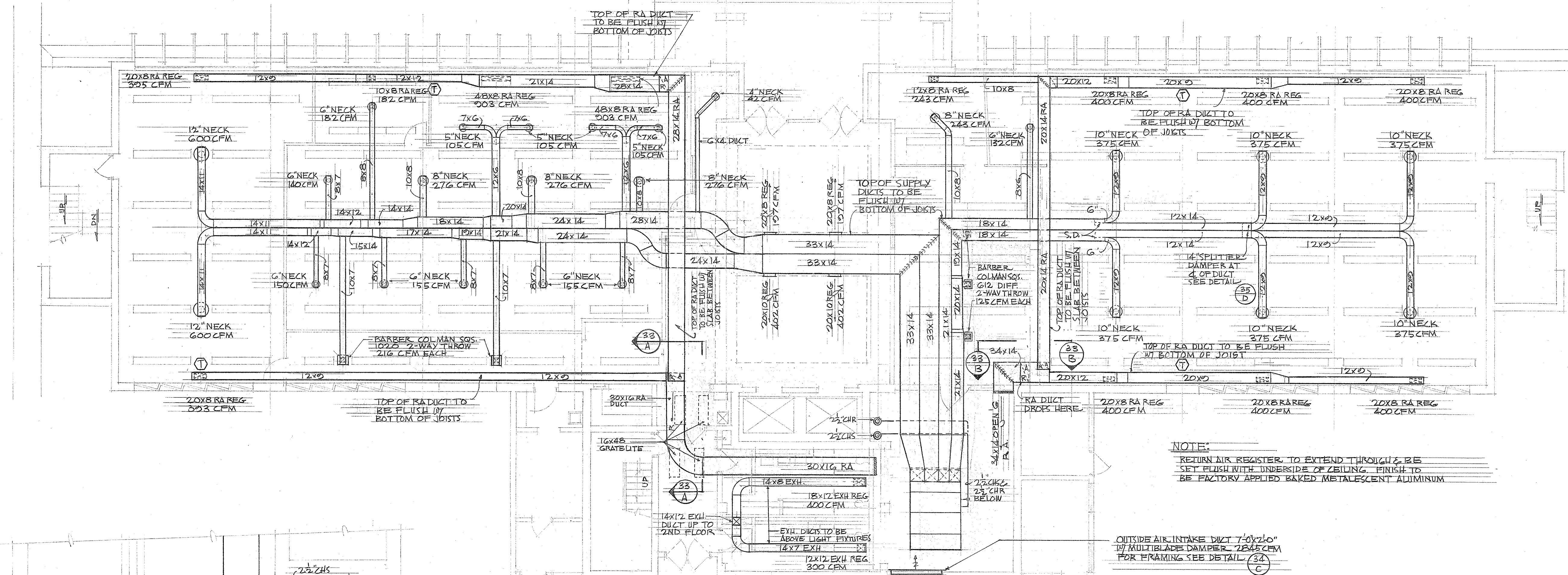
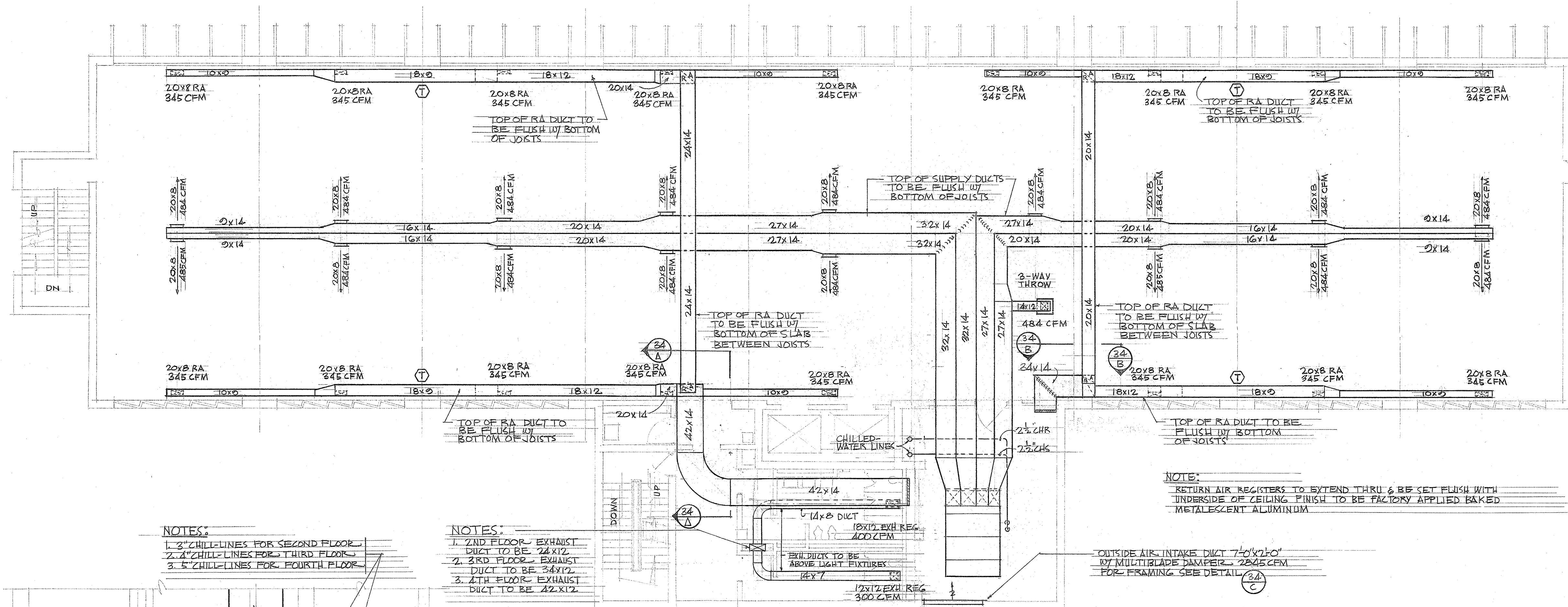


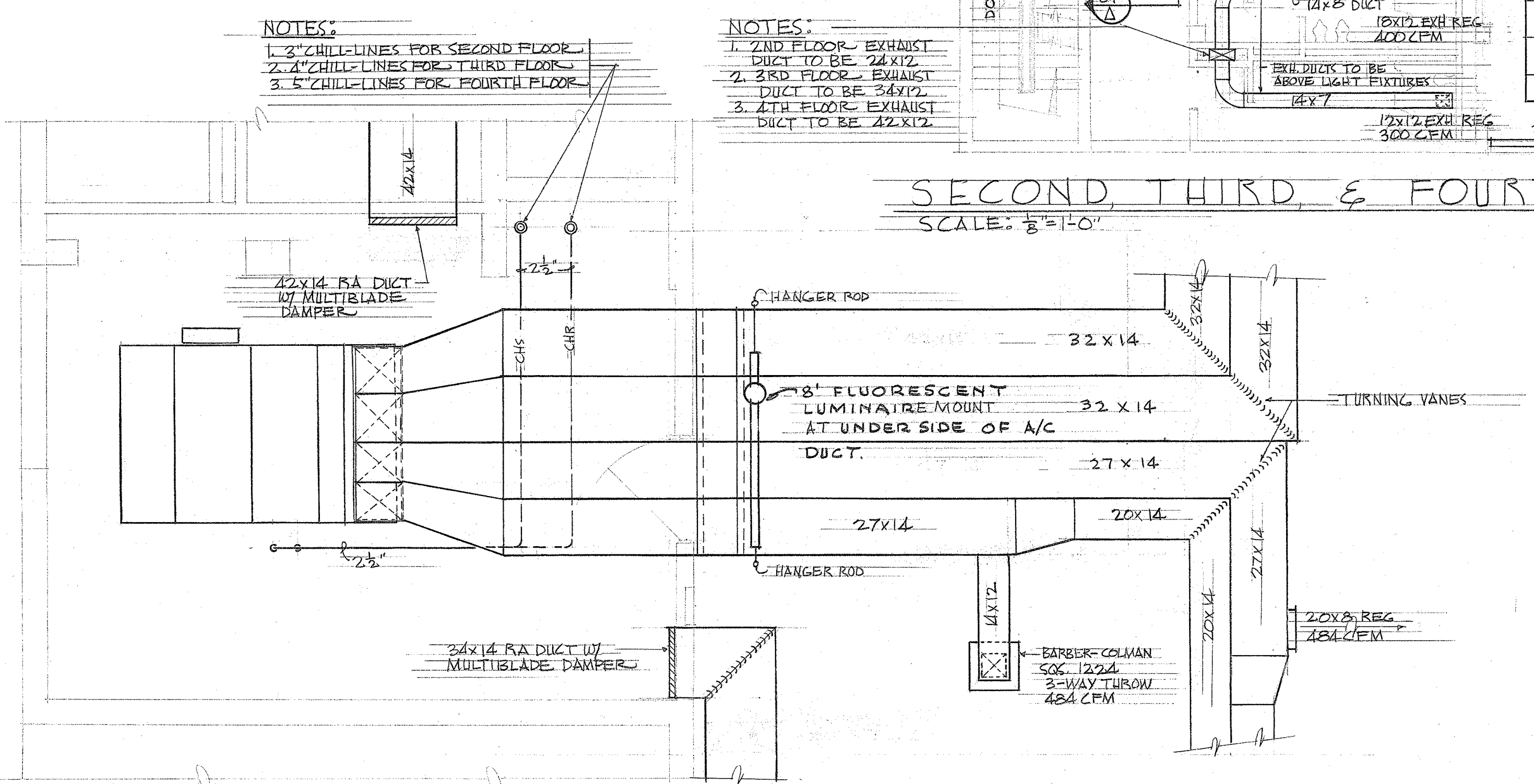
PLUMBING FIXTURE SCHEDULE					
UNLESS OTHERWISE PARTICULARLY SHOWN ON PLAN, ALL FIXTURE CONNECTIONS SHALL BE IN ACCORDANCE WITH THIS SCHEDULE					
FIXTURE		WASTE	VENT	COLD WATER	
NAME	TYPE	BRANCH OUTLET	STACK	BRANCH OUTLET	STACK
WATER CLOSET	FLUSH VALVE	4"	4"	1/2"	1"
URINAL	FLUSH VALVE	2"	1/2"	1/2"	1"
SERVICE SINK		2"	2"	3/4"	1"
LAVATORY		2"	1 1/2"	1/2"	1"
DRINKING FOUNTAIN	ELECTRIC WATER COOLER	2"	1 1/2"	1/2"	1"

MECHANICAL LEGEND			
SYMBOL	ABB.	SERVICE	ITEM
—	—	ALL SERVICES UP	C.I. CAST IRON
—	—	ALL SERVICES DOWN	V.S. VENT STACK
—	—	VENT PIPING	V.T.R. VENT THRU ROOF
—	—	S.W. SOIL WASTE	D.N. DOWN
—	—	C.W. COLD WATER	R.D. ROOF DRAIN
—	—	D.S.P. DRY STANDPIPE	A.D. AREA DRAIN
—	—	W.S.P. WET STANDPIPE	P.A.C. PIPE ACCESS SLEEVE
—	—	C.S. CHILLED WATER SUPPLY	FL. FLOOR
—	—	CH.R. CHILLED WATER RETURN	
—	—	C. CONDENSER WATER SUPPLY	
—	—	CR. CONDENSER WATER RETURN	
—	—	G.V. GATE VALVE	
—	—	G.V. GLOBE VALVE	
—	—	C.V. CHECK VALVE	
—	—	S. STRAINER	
—	—	T.H. THERMOMETER	
—	—	H.B. HOSE BIBB	
—	—	F.H.C. FIRE HOSE CABINET	R.W. RAIN WATER LEADER
—	—	H.V. HOSE VALVE	R.W.S. RAIN WATER SEWER
—	—	F.D. FLOOR DRAIN	
—	—	D.F.D. DEPRESSURE FLOOR DRAIN	D.T.N. DUCT TURN
—	—	P.T.D. PIPE TO DRAIN	S.D. SPLITTER DAMPER
—	—	M.H. MANHOLE	
—	—	C.F.G. CLEANOUT THRU FLOOR GRADE	
—	—	C.O. CLEANOUT	
—	—	W.C.O. WALL CLEANOUT	
—	—	W.S.R. WALL SUPPLY REGISTER (G) GRILLE	
—	—	W.E.R. WALL EXHAUST REGISTER (G) GRILLE	
—	—	C.E.R. CEILING EXHAUST REG (G) GRILLE	
—	—	EXHAUST DUCT RISER	
—	—	SUPPLY DUCT RISER	
—	—	DUCT SIZE - CFM NOTATION	
—	—	INCLINED DUCT RISE IN FLOW DIRECTION	
—	—	INCLINED DUCT DROP IN FLOW DIRECTION	
—	—	SUPPLY/EXHAUST AIR FLOW	
—	—	THERMOSTAT MOUNTED 5'6" ABOVE FLOOR	
—	—		33 SHEET NUMBER
—	—		A DETAIL NUMBER

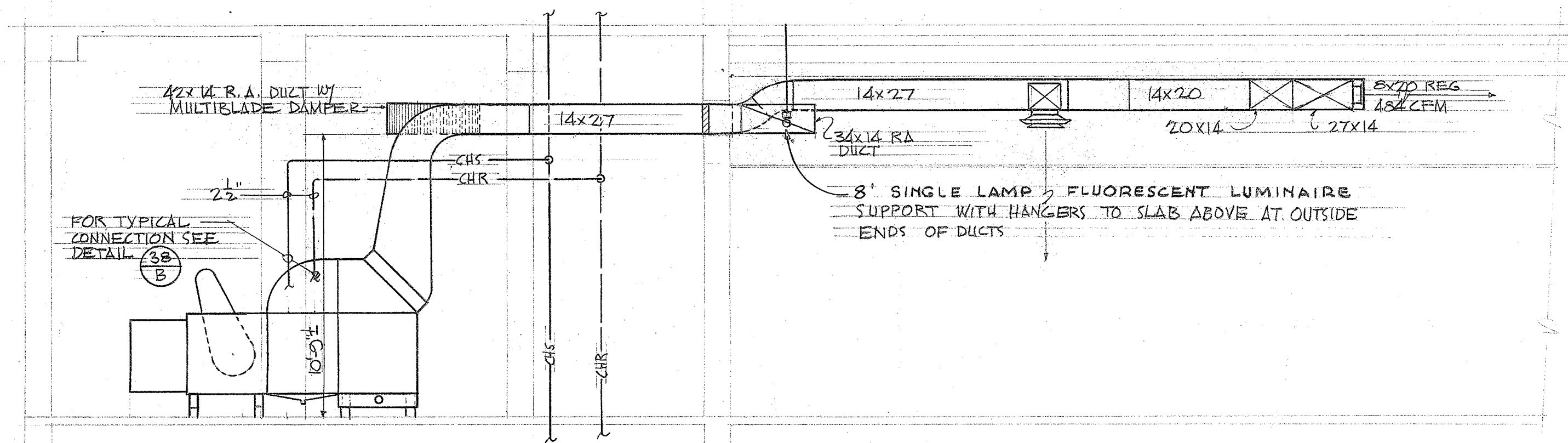




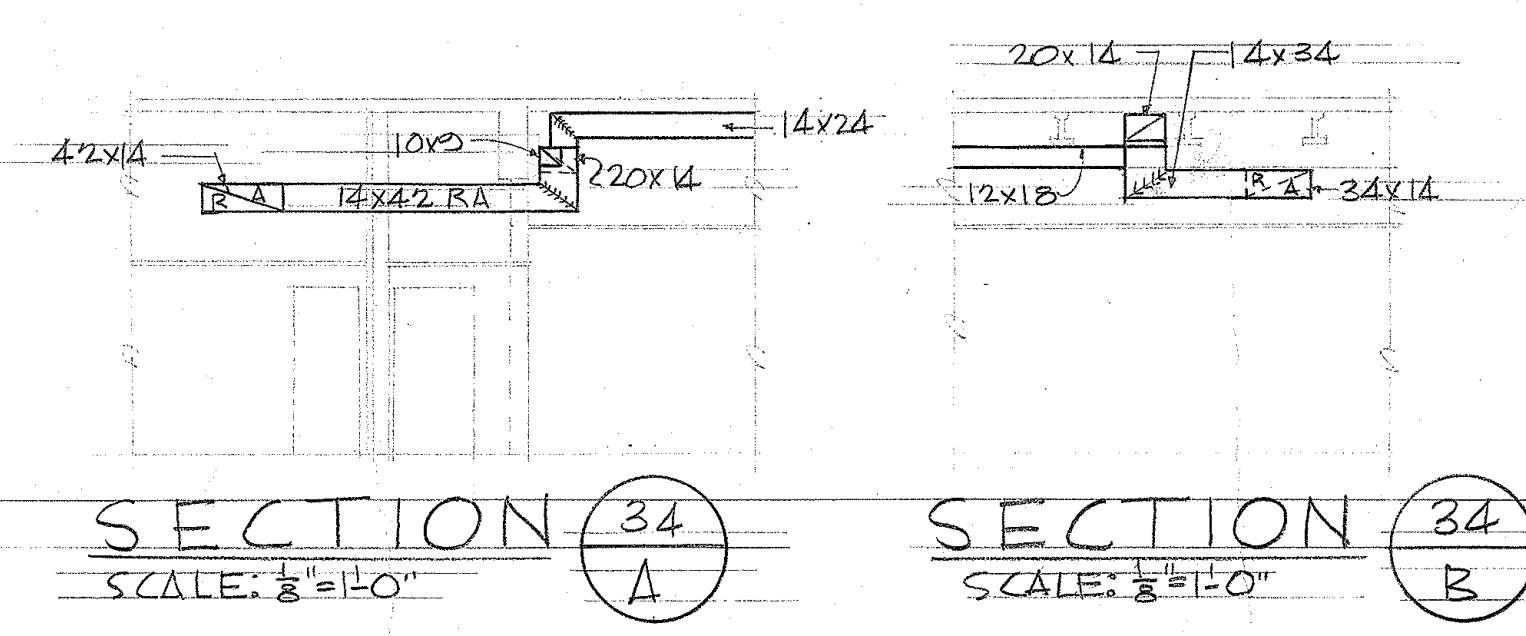
SECOND, THIRD, & FOURTH FLOOR A.C. UNIT PLAN
SCALE: $\frac{1}{8}"=1'-0"$



SECOND, THIRD & FOURTH FLOOR A.C. UNIT RM. PLAN
SCALE: $\frac{1}{4}"=1'-0"$

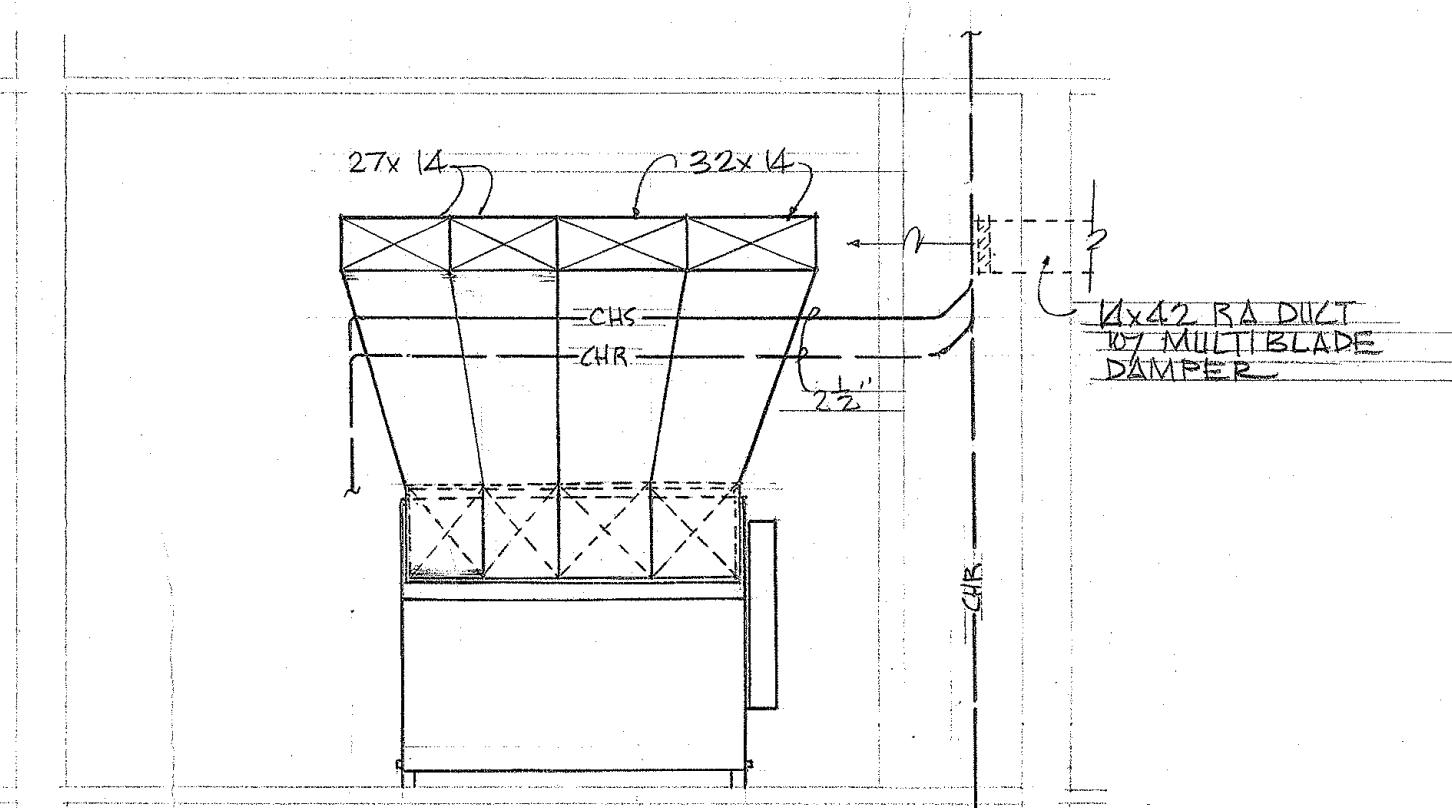


SIDE ELEVATION
SCALE: $\frac{1}{4}"=1'-0"$

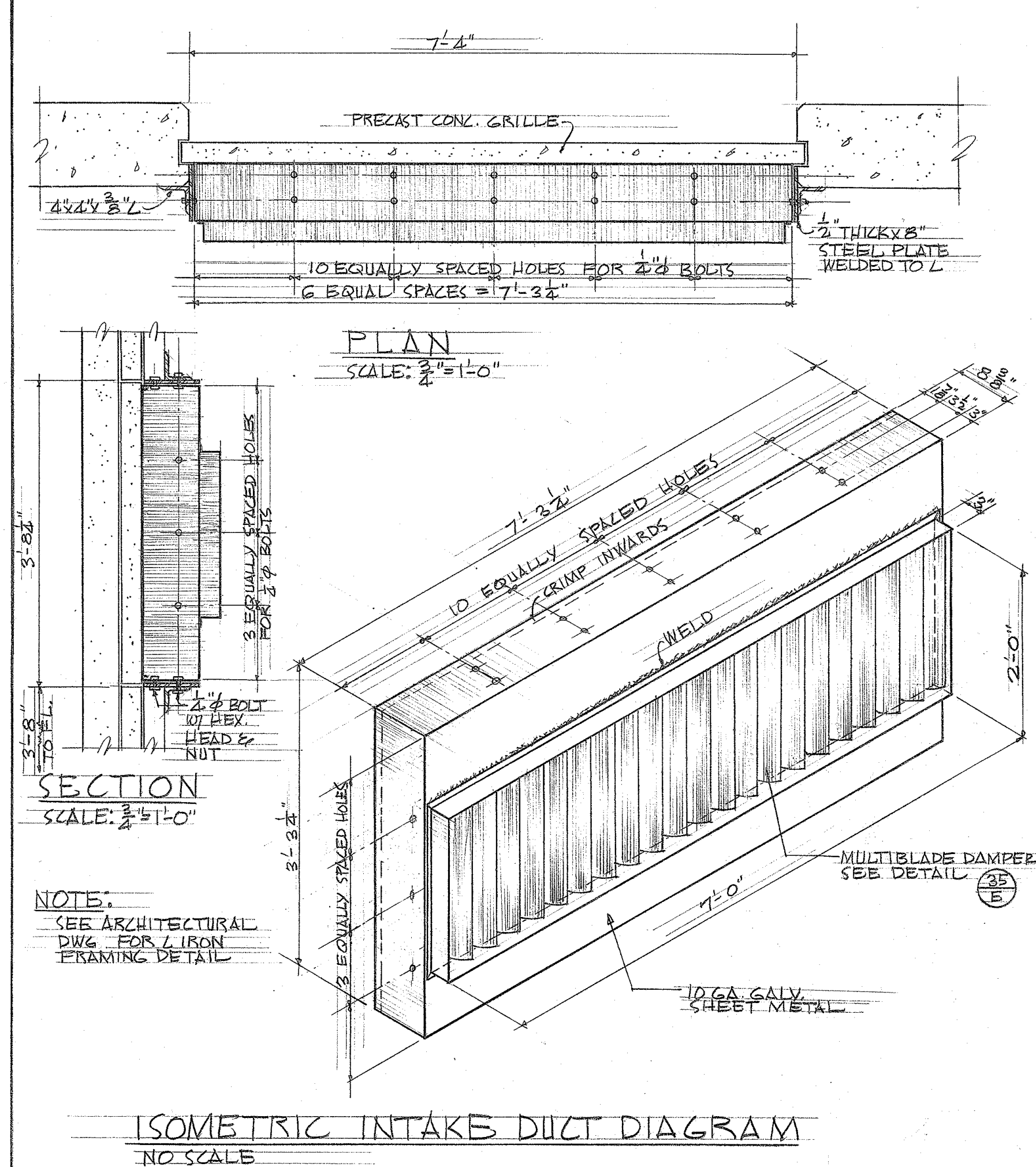


SECTION A
SCALE: $\frac{1}{8}"=1'-0"$

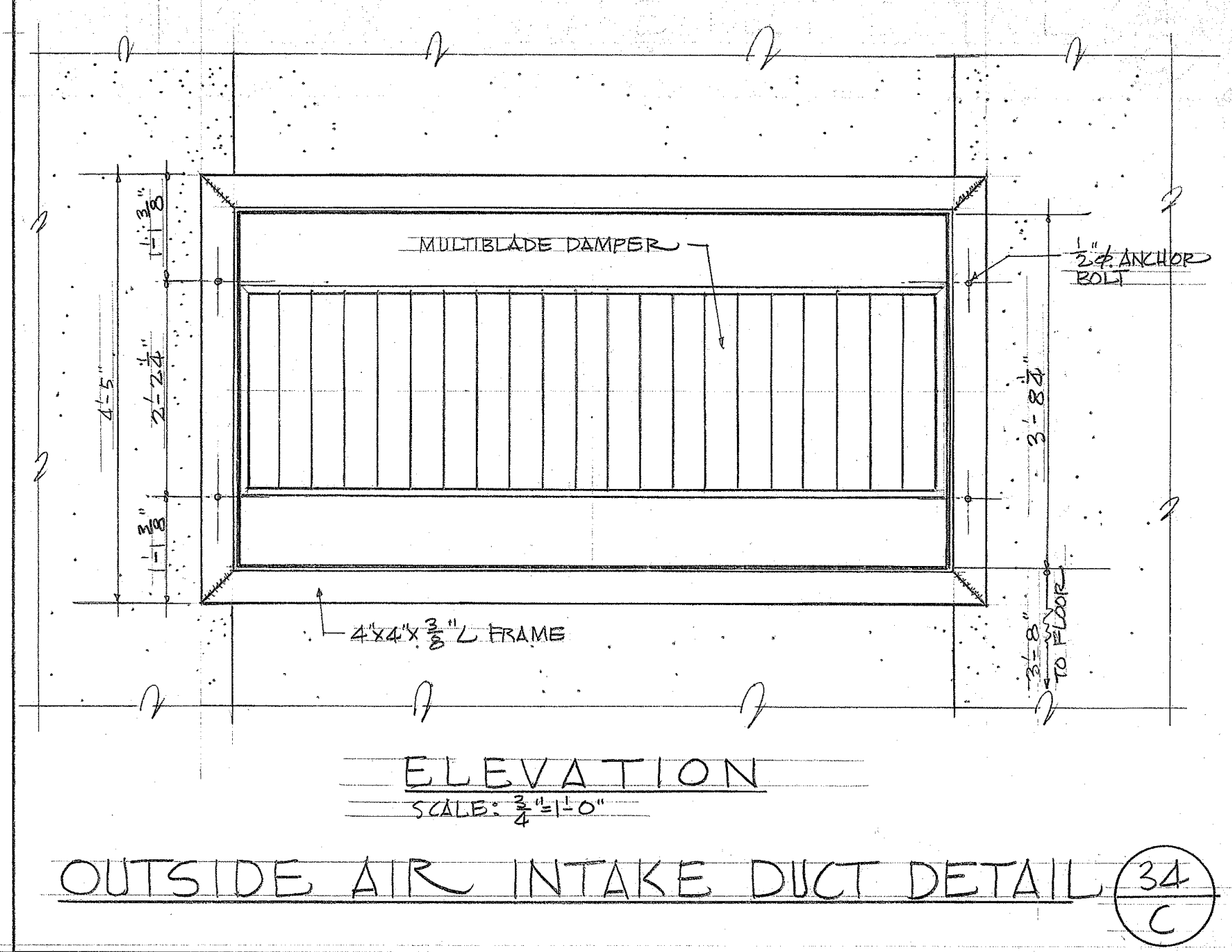
SECTION B
SCALE: $\frac{1}{8}"=1'-0"$



FRONT ELEVATION
SCALE: $\frac{1}{4}"=1'-0"$

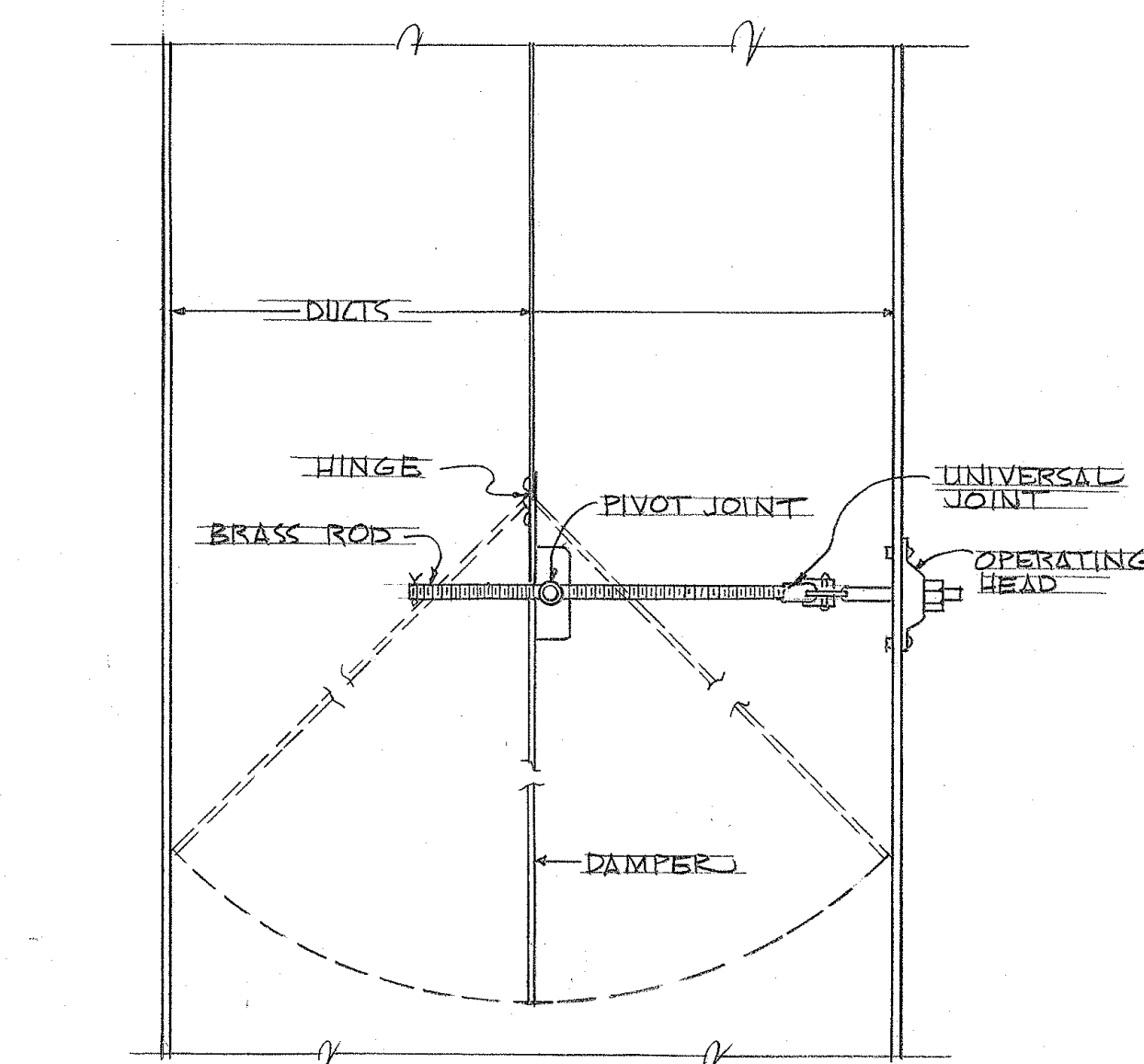
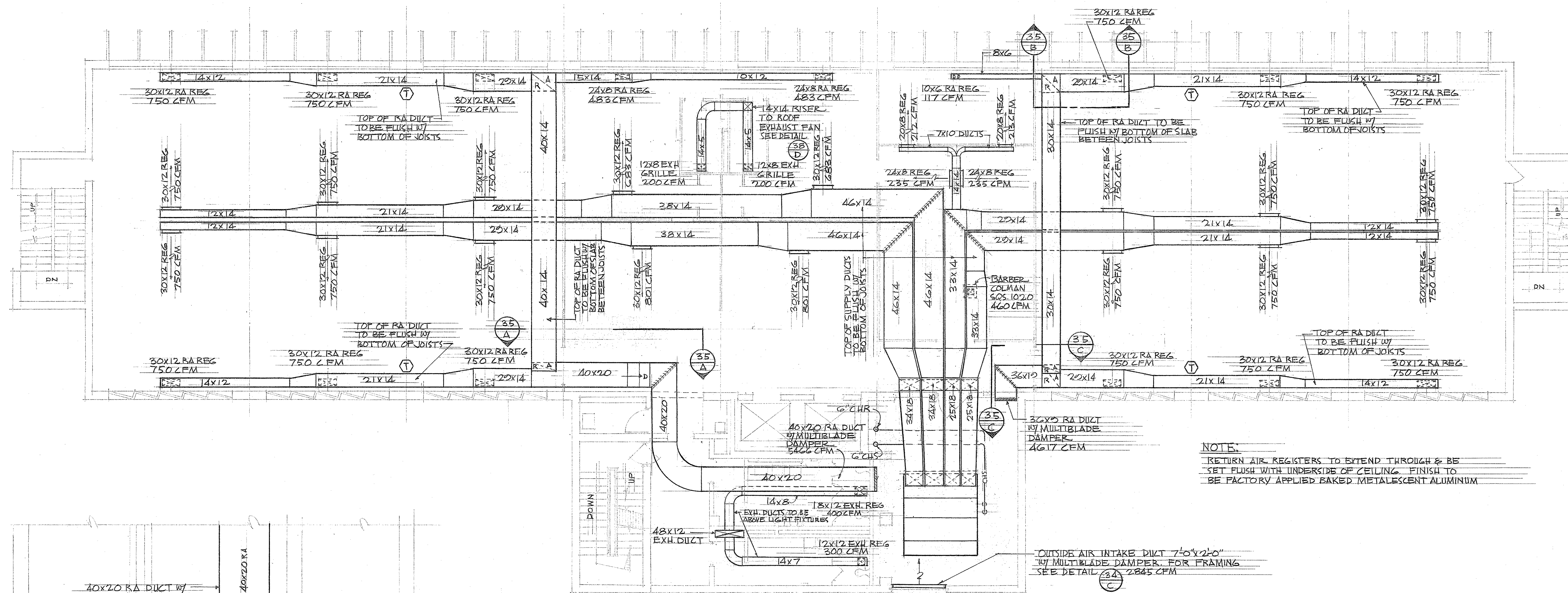


ISOMETRIC INTAKE DUCT DIAGRAM
NO SCALE

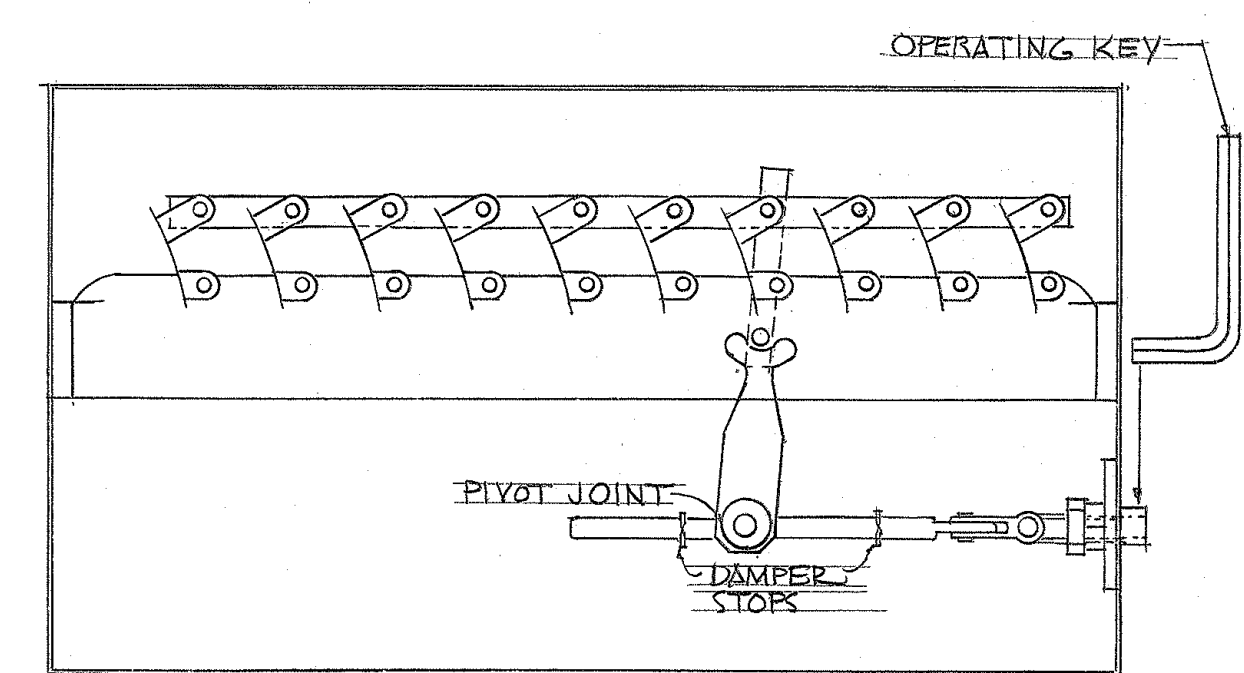


ELEVATION
SCALE: $\frac{1}{4}"=1'-0"$
OUTSIDE AIR INTAKE DUCT DETAIL (34 C)

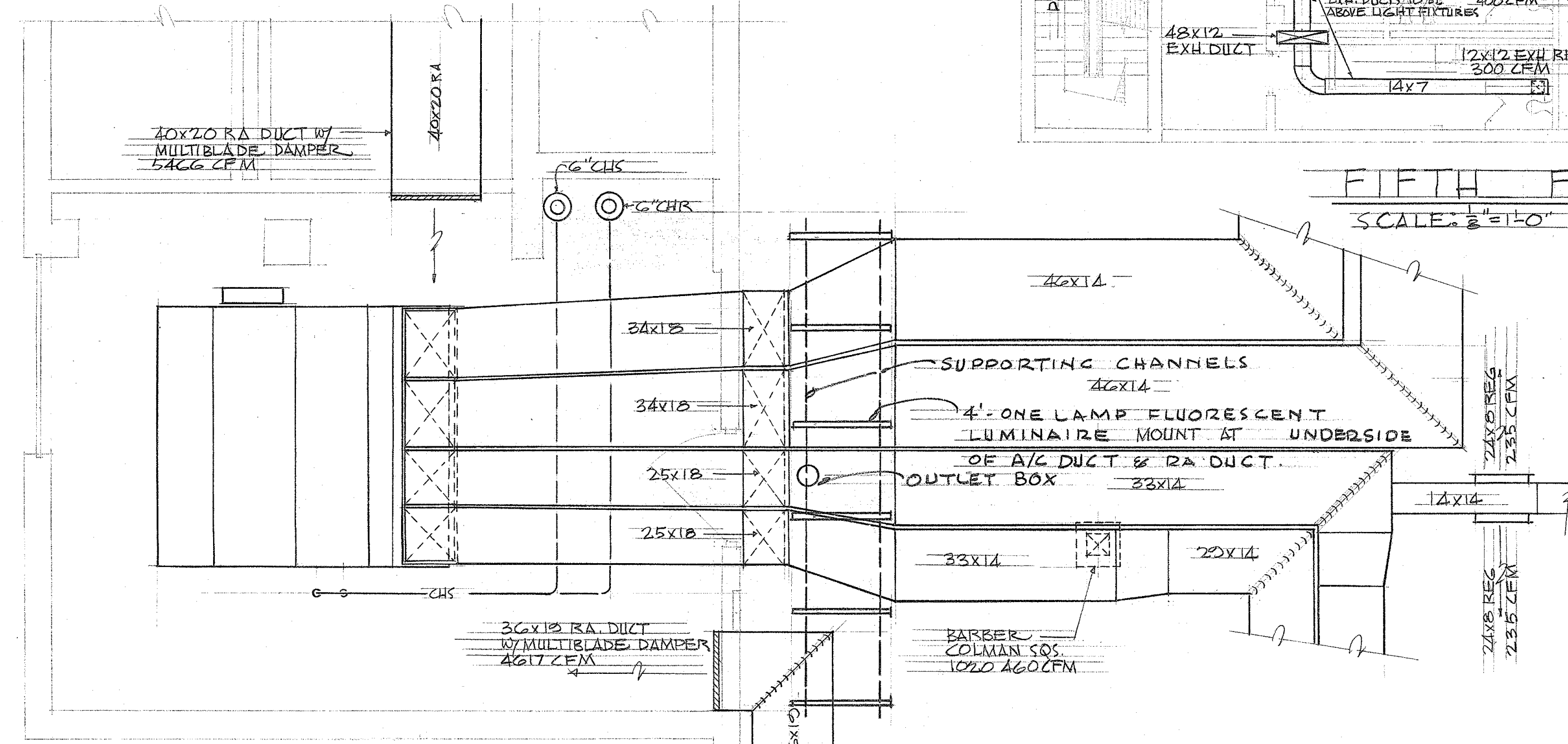
TERRITORY OF HAWAII		
HIGHWAY DEPARTMENT BUILDING		
PUNCHBOWL & QUEEN ST. HONOLULU, T.H.		
2ND, 3RD, 4TH FLOOR AIR CONDITIONING		
DRAWN BY: MITA	LAW & WILSON ARCHITECTS & ENGINEERS P.O. BOX 3288 • HONOLULU, T.H. JOB NO. 747-01	JOB NO. 5394-34
SCALE: AS SHOWN		SHEET 34
DATE: FEB. 28, 1958		OF 46



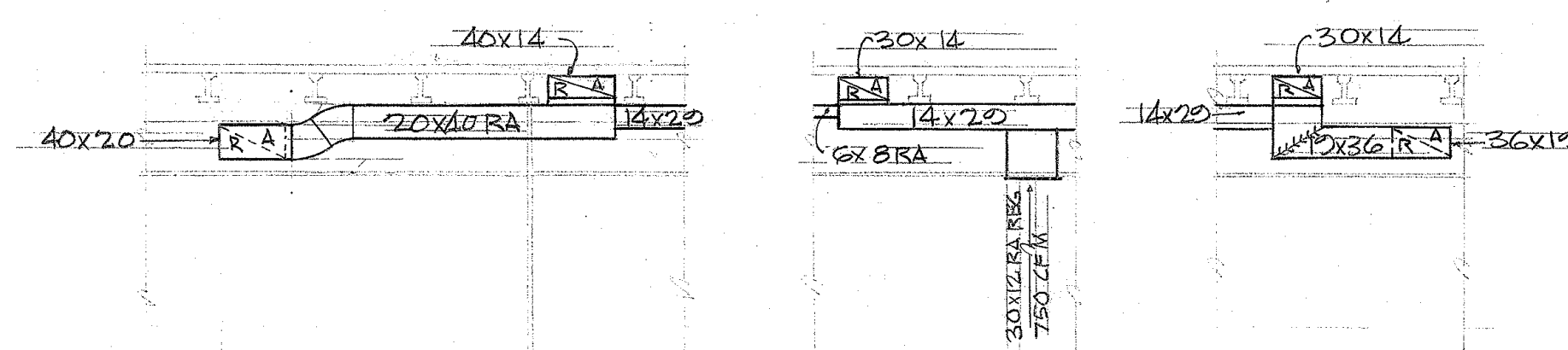
SPLITTER DAMPER DETAIL 35 D
NOT TO SCALE YOUNG REGULATOR NO. 900 OPERATOR



MULTI-BLADE DAMPER DETAIL 35 E
NOT TO SCALE YOUNG REGULATOR NO. 817 DAMPER



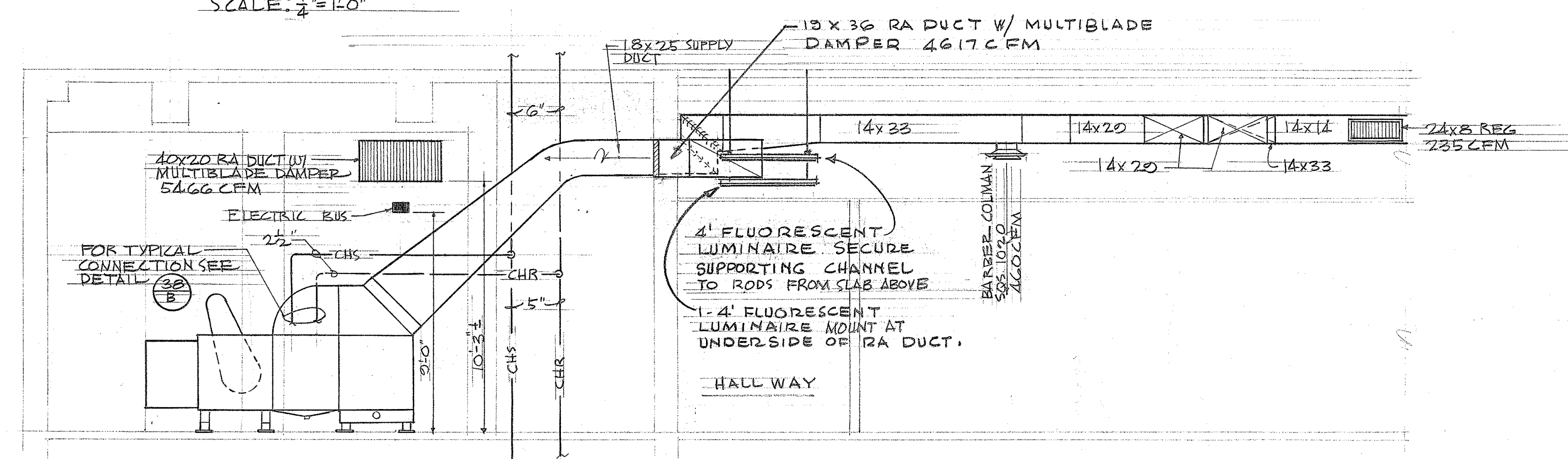
FIFTH FLOOR A/C UNIT ROOM PLAN
SCALE: 1/8" = 1'-0"



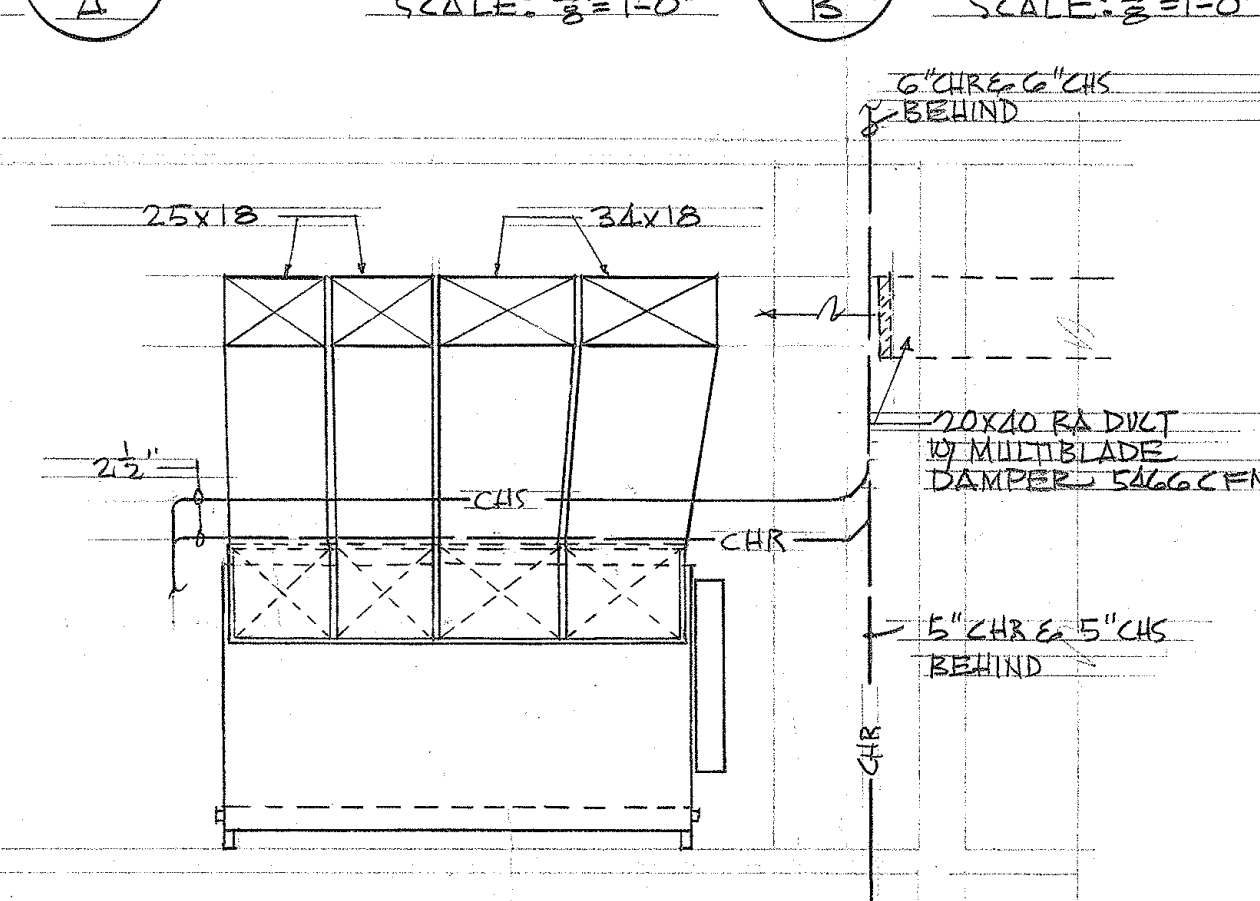
SECTION 35 A
SCALE: 1/8" = 1'-0"

SECTION 35 B
SCALE: 1/8" = 1'-0"

SECTION 35 C
SCALE: 1/8" = 1'-0"

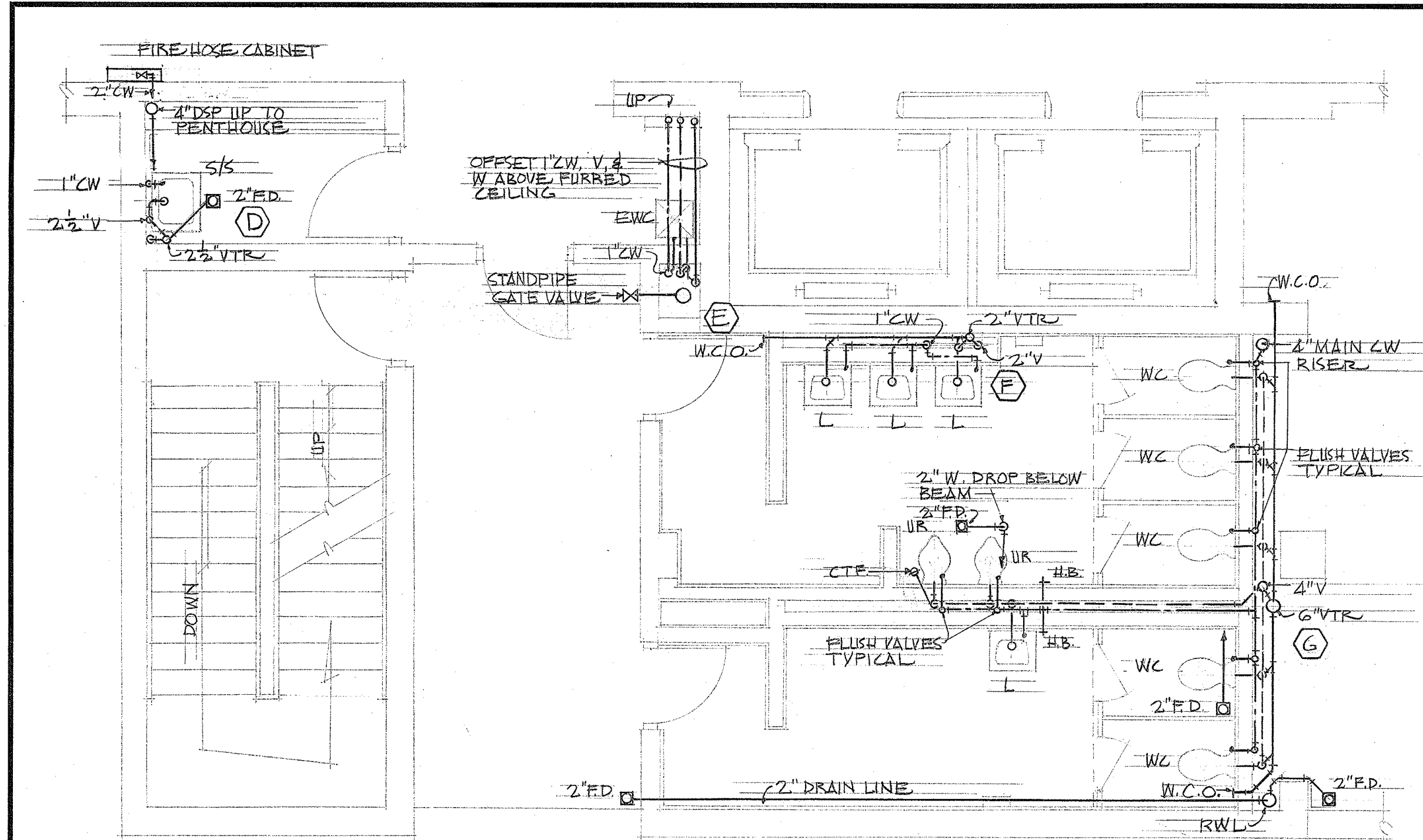


SIDE ELEVATION SCALE: 1/8" = 1'-0"



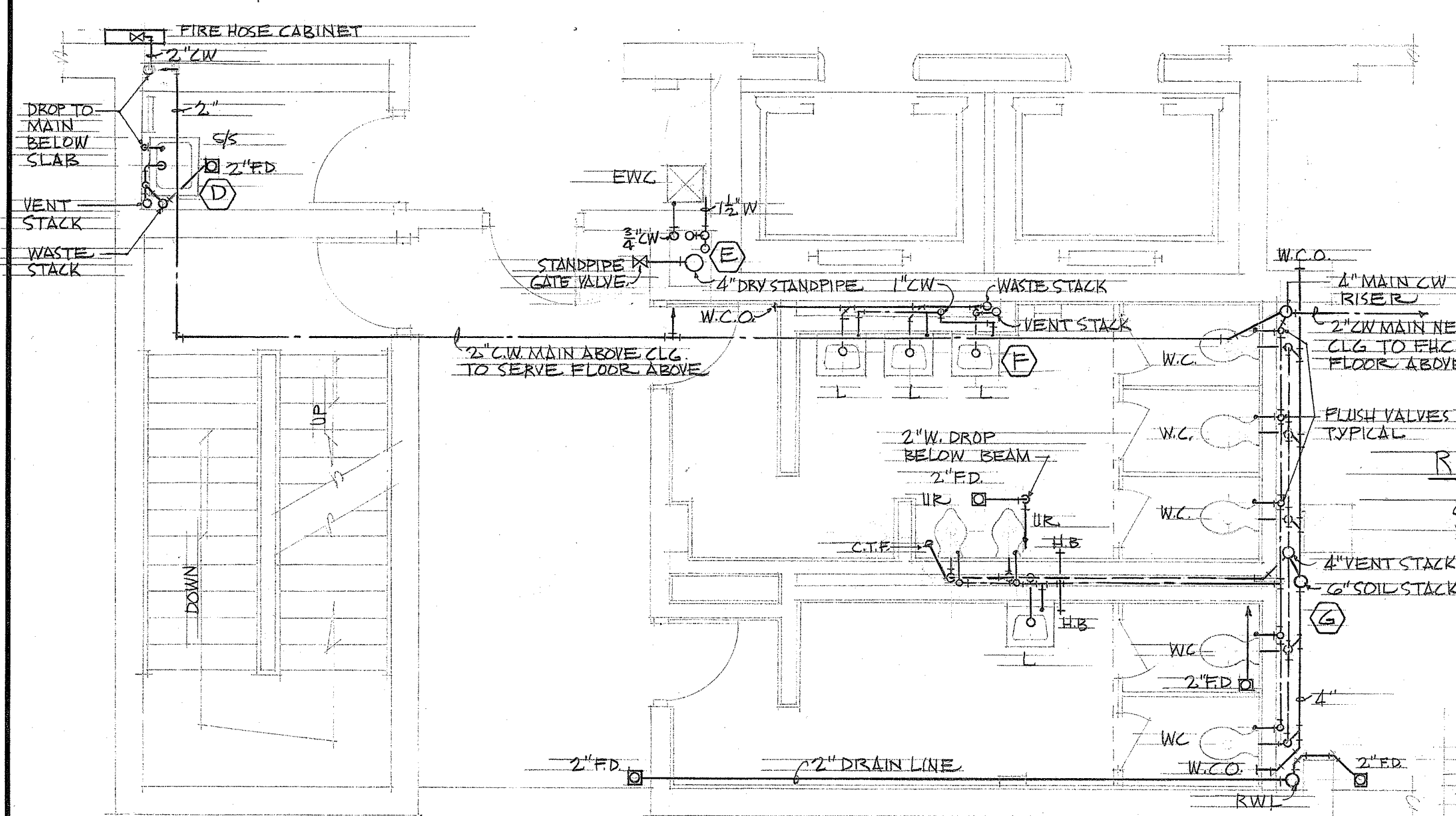
FRONT ELEVATION SCALE: 1/8" = 1'-0"

TERRITORY OF HAWAII		JOB NO.
HIGHWAY DEPARTMENT BUILDING		5994-25
PUNCHBOWL & QUEEN ST. HONOLULU, T.H.		SHEET
FIFTH FLOOR AIR CONDITIONING		35
DRAWN BY: MITA		OF 46
SCALE: AS SHOWN		
DATE: FEB. 18, 1958		
LAW & WILSON		
ARCHITECTS & ENGINEERS		
P.O. BOX 3288 HONOLULU, T.H.		
JOB NO. 747-01		



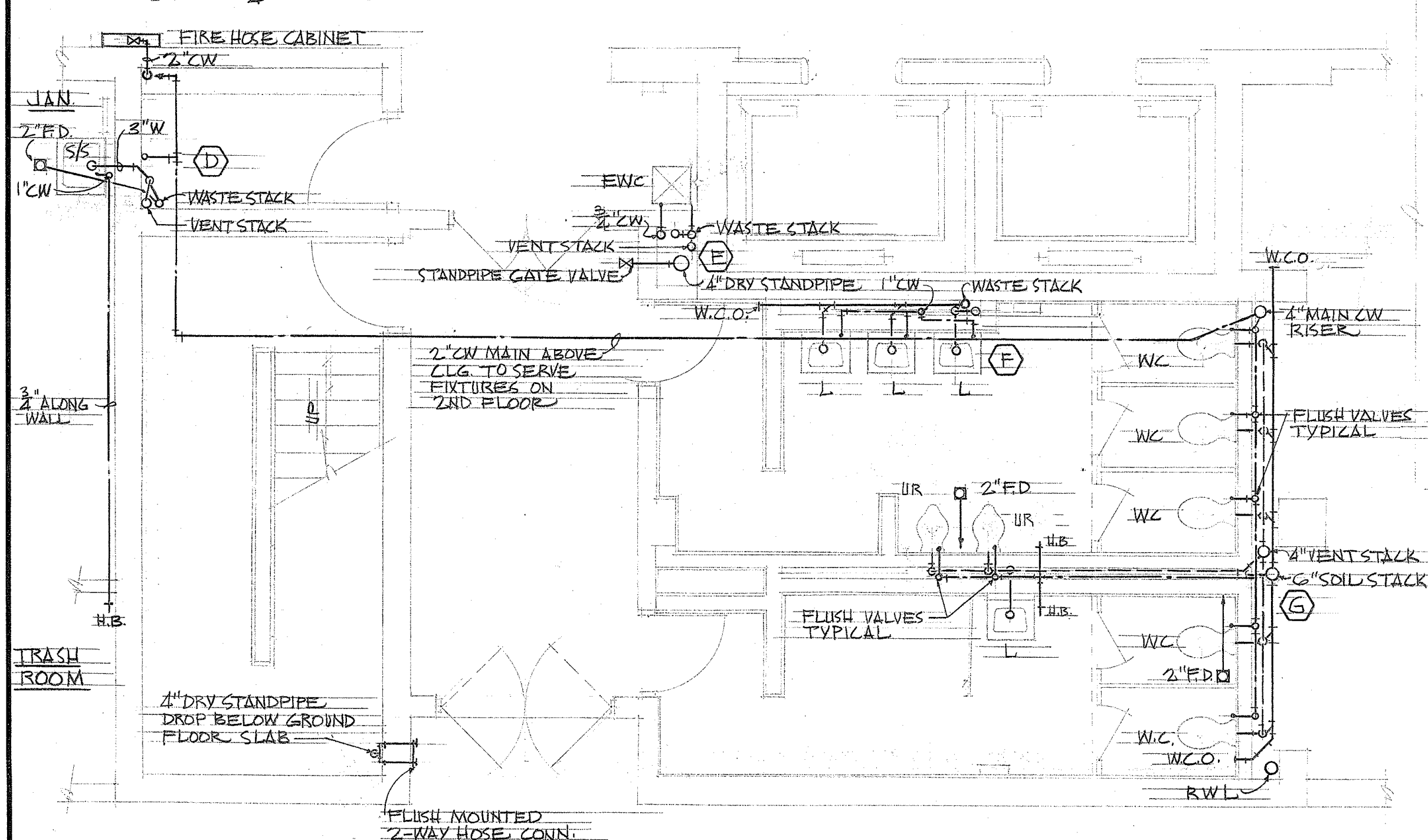
FIFTH FLOOR PLUMBING PLAN

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



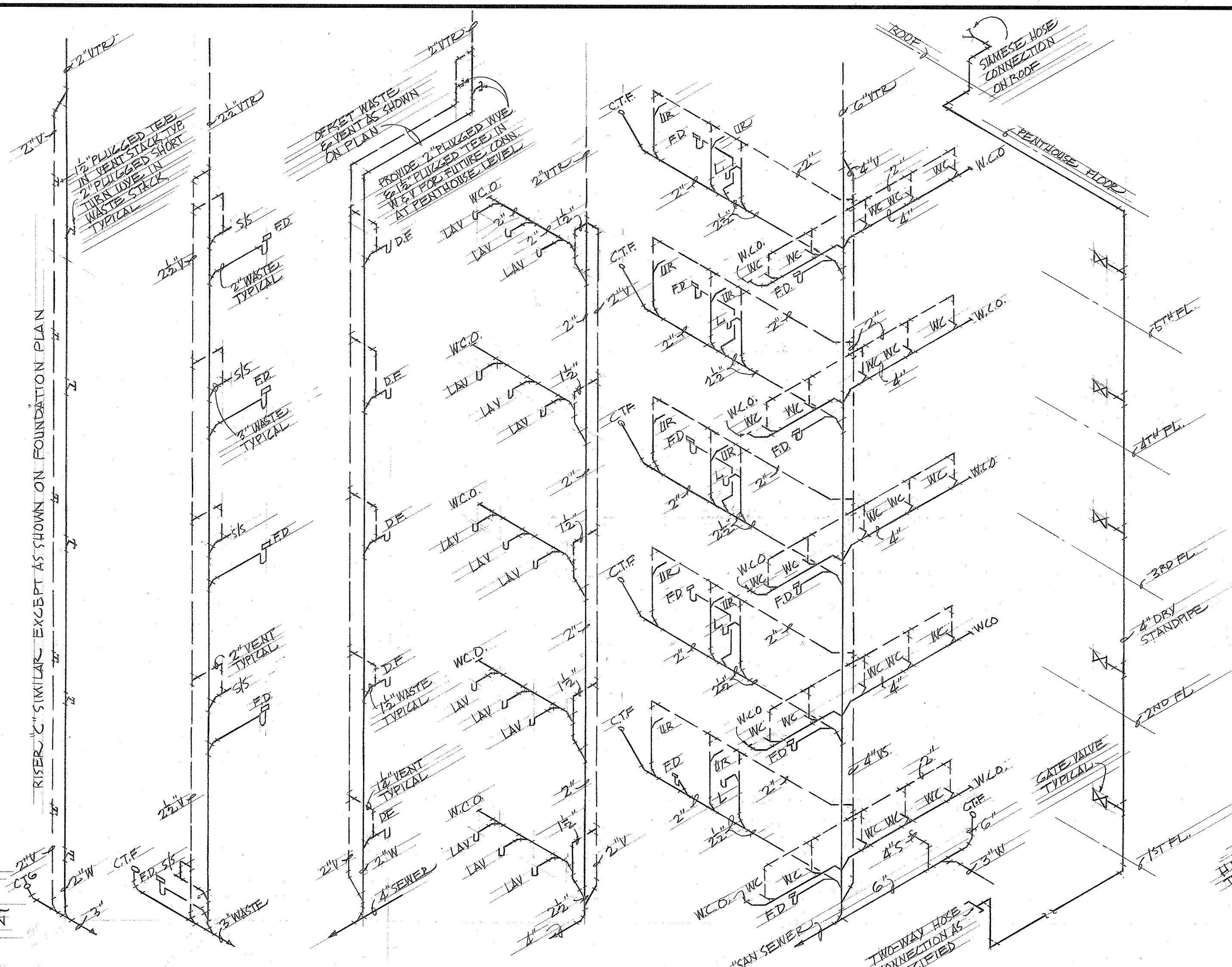
TYPICAL SECOND, THIRD, & FOURTH FLOOR PLUMBING PLAN

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



GROUND FLOOR PLUMBING PLAN

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

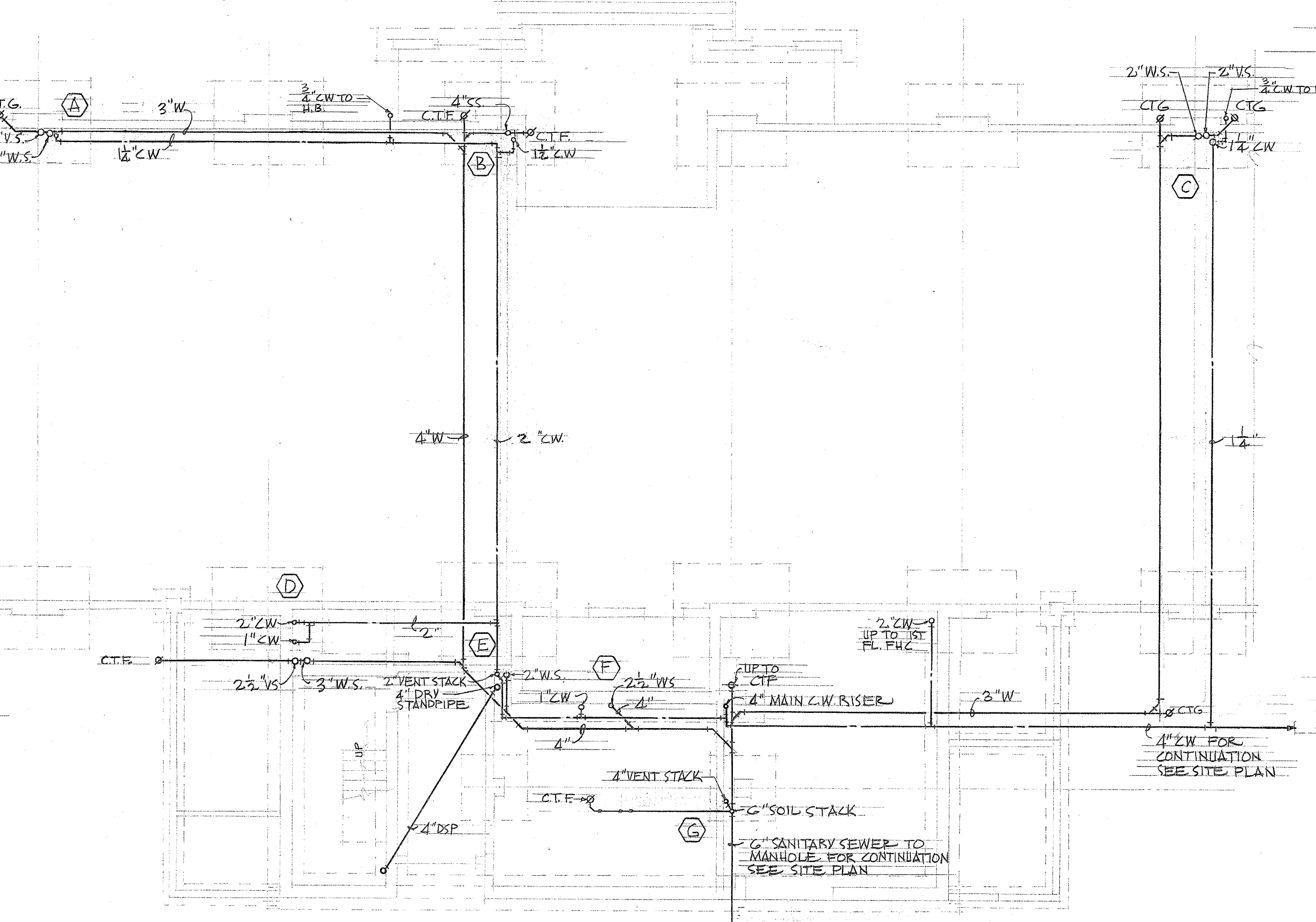


SOIL WASTE & VENT PIPING DIAGRAM

NO SCALE

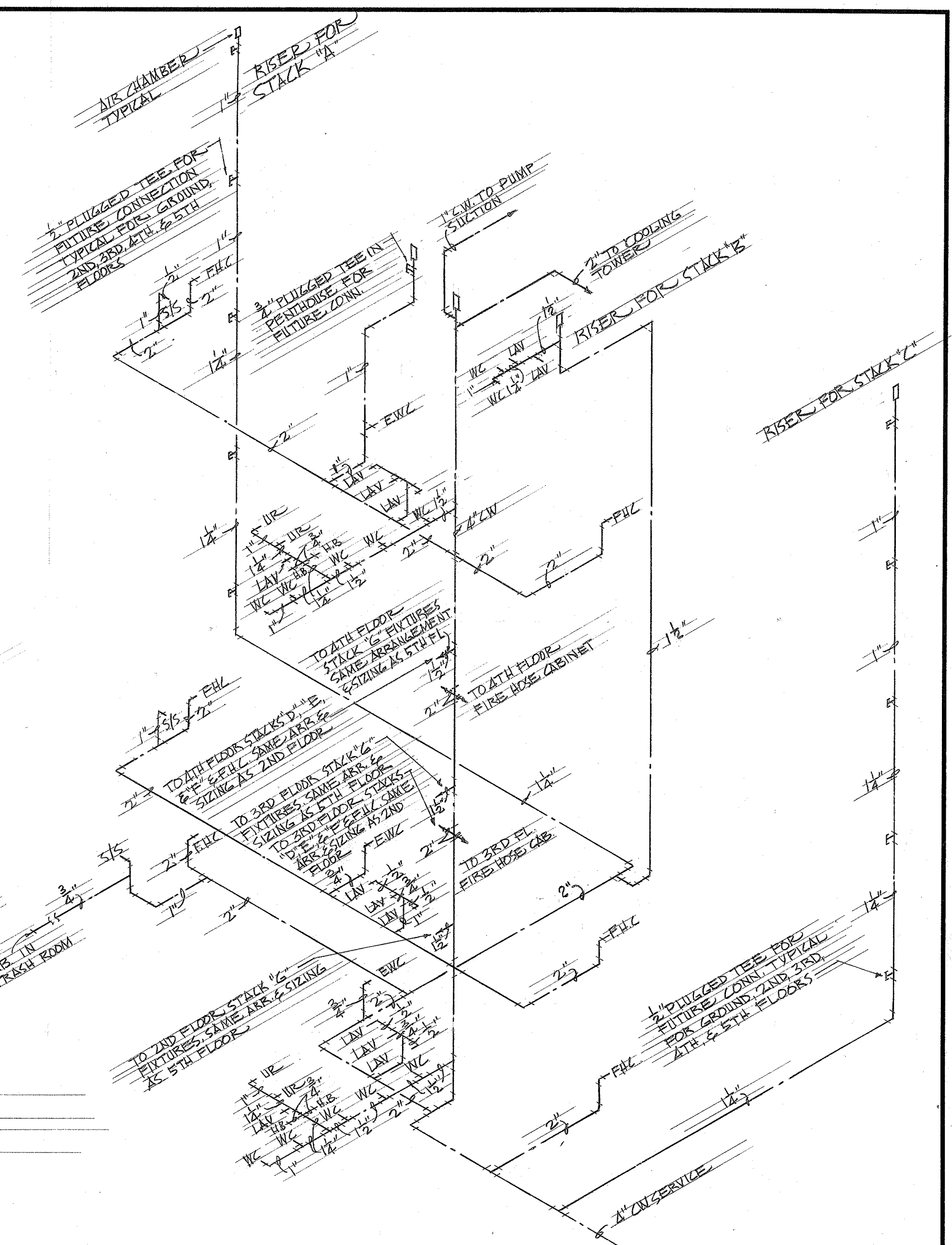
DRY STANDPIPE RISER DIAGRAM

NO SCALE



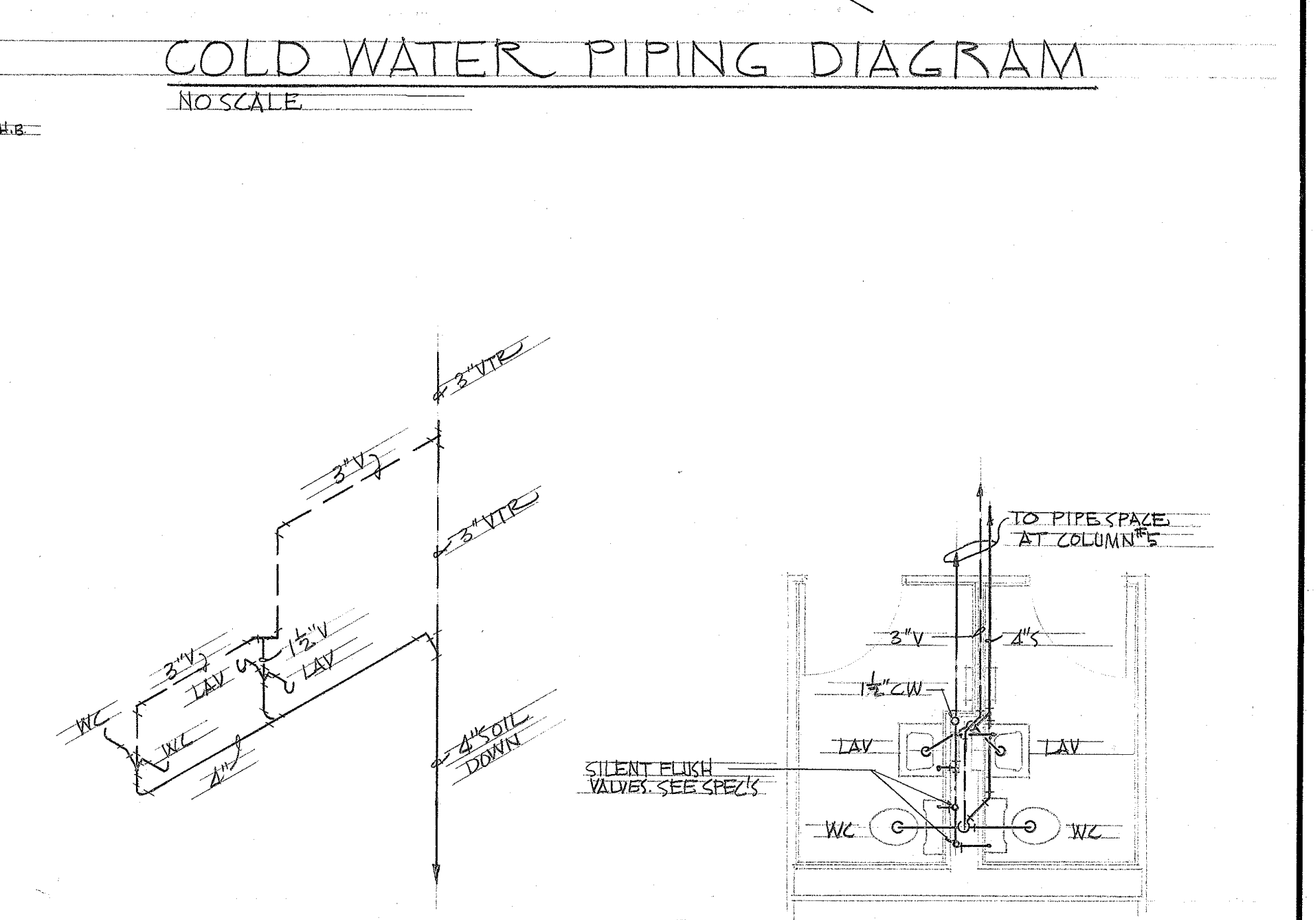
PARTIAL FOUNDATION PLUMBING PLAN

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



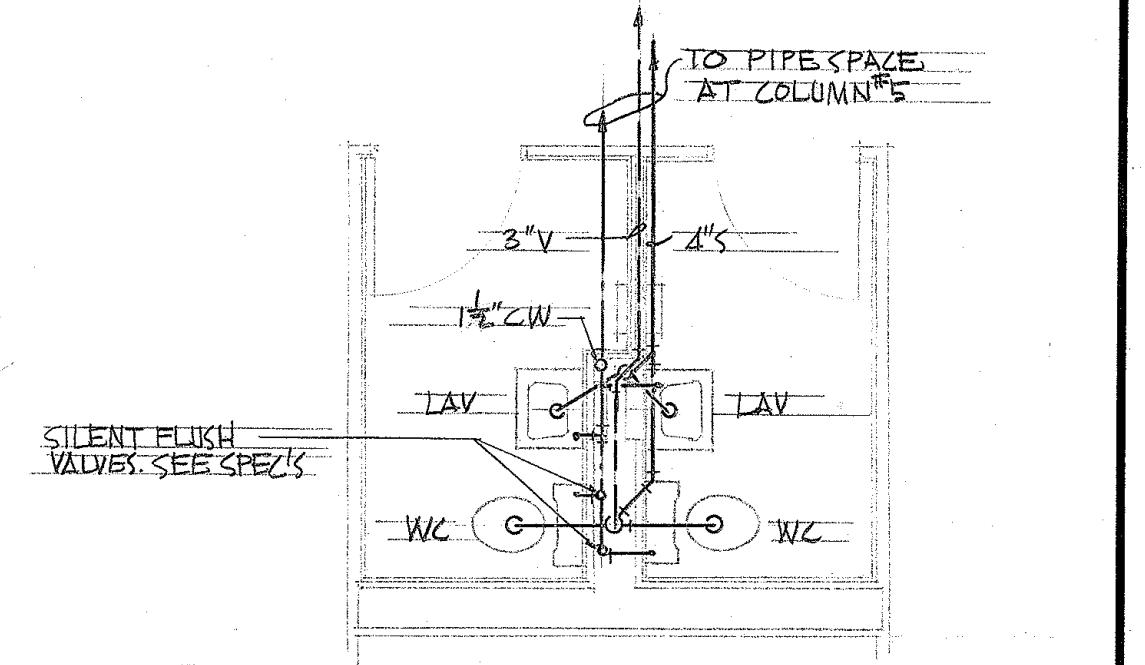
COLD WATER PIPING DIAGRAM

NO SCALE



SOIL WASTE & VENT PIPING DIAGRAM

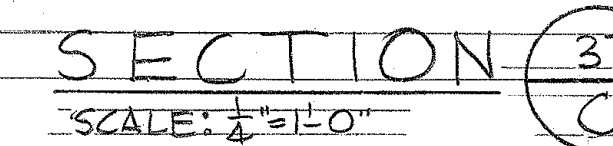
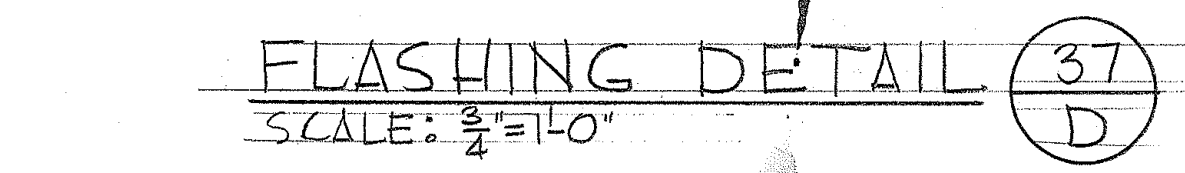
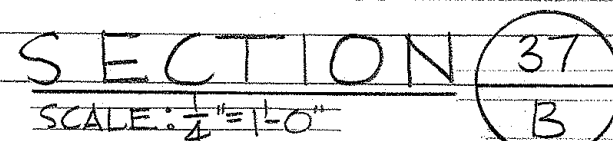
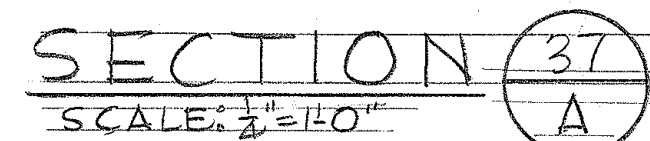
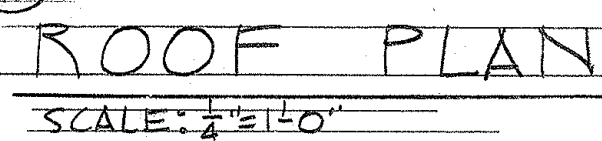
NO SCALE



PLAN OF FIFTH FLOOR TOILETS

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

TERRITORY OF HAWAII	
HIGHWAY DEPARTMENT BUILDING	
PUNAHOU & QUEEN ST. HONOLULU, T.H.	
TOILET PLANS - WASTE & SUPPLY RISER DIAGRAMS	
DRAWN BY: MITA	LAW & WILSON
SCALE: AS SHOWN	ARCHITECTS & ENGINEERS
DATE: FEB. 28, 1958	P.O. BOX 3288 HONOLULU, T.H.
	JOB NO. 747-01
	JOB NO. 5994-36
	SHEET 36 OF 46

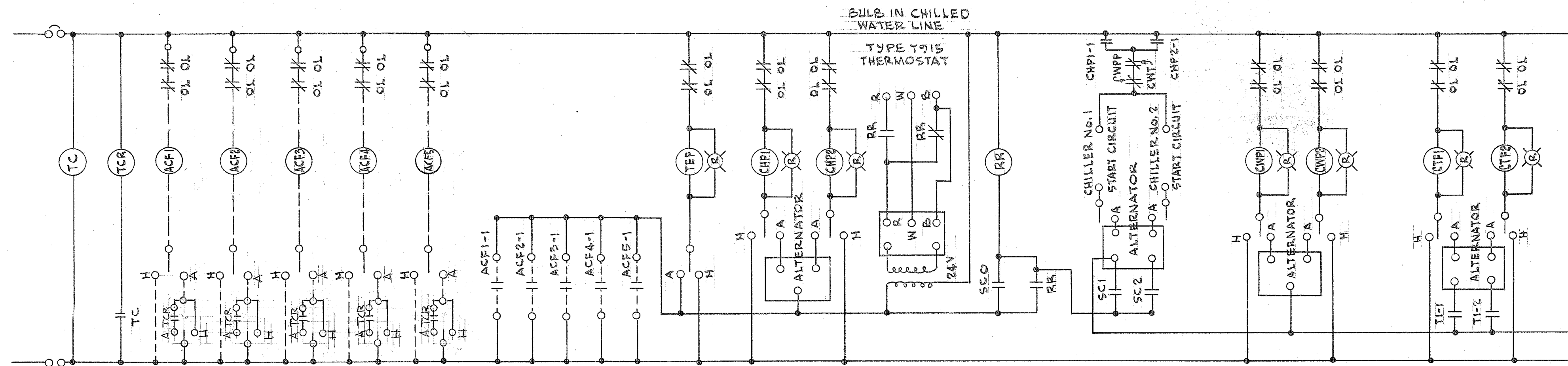


FAN TO BE WESTINGHOUSE-STURTEVANT SIZE
3024 SWST OR APPROVED EQUAL

AIR CONDITIONING SCHEDULE

A/C UNIT	TYPE	TOTAL C.F.M.	MINIMUM MOTOR H.P.	RETURN C.F.M.	VENT C.F.M.	ENTERING AIR D.B. °F	ENTERING AIR W.B. °F	LEAVING AIR D.B. °F	LEAVING AIR W.B. °F	SPACE SENSIBLE HEAT	SPACE LATENT HEAT	TOTAL HEAT LOAD	WATER INPUT °F	G.P.M. EACH	VALVE C.V.	FILTER FACE VELOCITY MAX. F.P.M.	TYPE FILTER	OUTLET VELOCITY F.P.M.	EXTERNAL S.P. H ₂ O	COIL FACE VELOCITY MAX. F.P.M.	MINIMUM NO. ROWS	3-WAY BY-PASS VALVE SIZE INCHES
GROUND FLOOR	MULTI-ZONE	8250	5	5405	2845	79.1	67.0	53.0	52.0	206,240	26,194	232,434	4.2	74	55	517	HIGH VELOCITY CLEANABLE	1200 MAX.	0.50	475	6	2 1/2
2ND - 3RD - 4TH FLOOR	MULTI-ZONE	8710	5	5865	2845	78.9	66.6	53.0	52.0	217,718	29,000	246,718	4.2	74	55	517	HIGH VELOCITY CLEANABLE	1200 MAX.	0.50	475	6	2 1/2
FIFTH FLOOR	MULTI-ZONE	13310	7 1/2	10475	2845	77.9	65.1	54.0	53.1	318,296	29,000	347,296	4.2	74	55	517	HIGH VELOCITY CLEANABLE	1200 MAX.	0.50	475	6	2 1/2

NOTE:
POWER CIRCUIT WIRING FOR CENTRIFUGAL WATER CHILLERS WILL BE ACCOMPLISHED UNDER THE ELECTRICAL SECTION. ALL CONTROL WIRING OF THE CENTRIFUGAL WATER CHILLERS AND THEIR RELATED AUXILIARIES IS THE RESPONSIBILITY OF THE CENTRIFUGAL WATER CHILLER SUPPLIER.



NOTE:
A/C FAN MOTOR STARTERS TO BE MOUNTED ON EACH RESPECTIVE FLOOR, AS SHOWN ON ELECTRICAL PLANS. EACH TO BE MAGNETIC (NOT COMBINATION) WITH A NORMALLY OPEN AUXILIARY CONTACT.

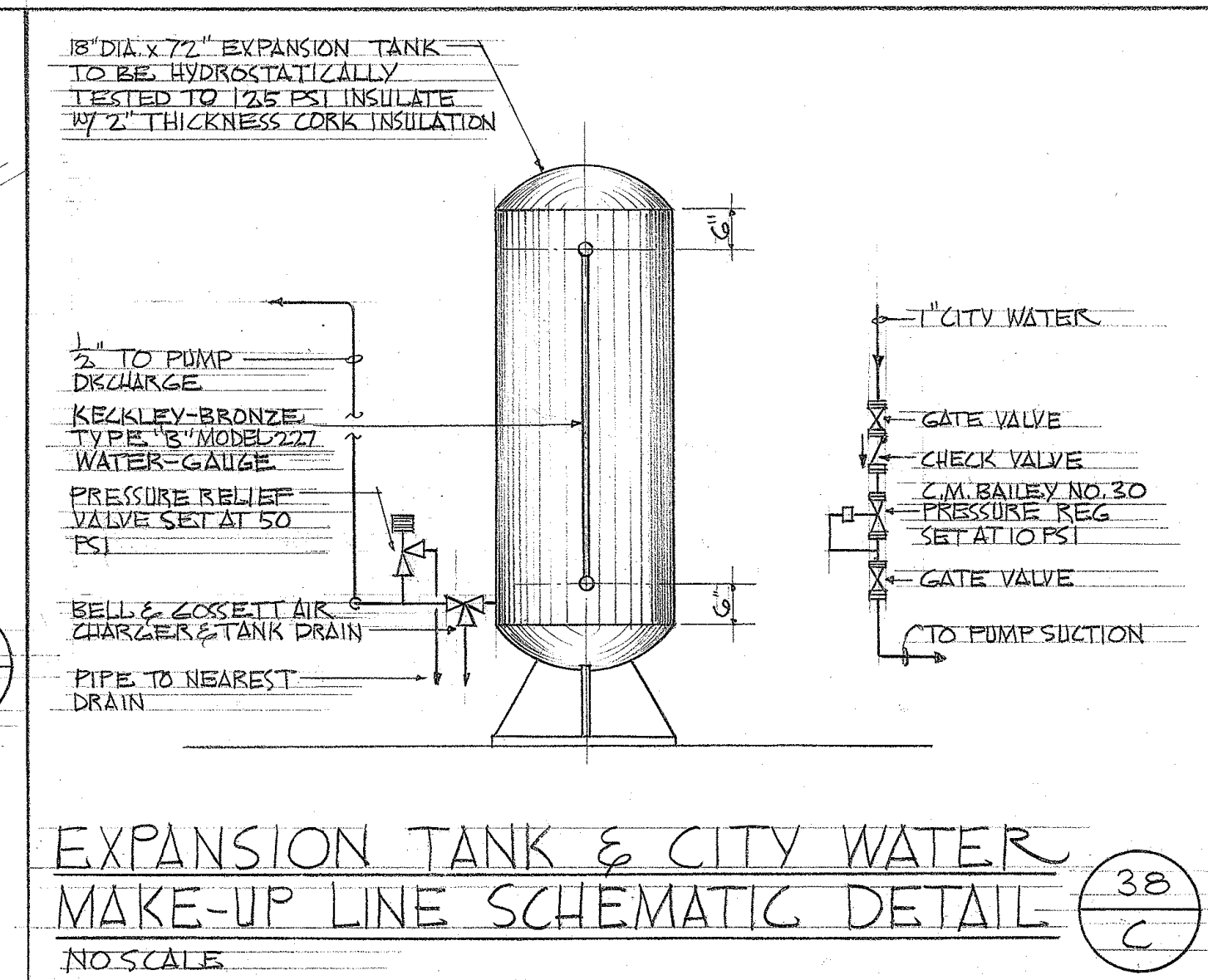
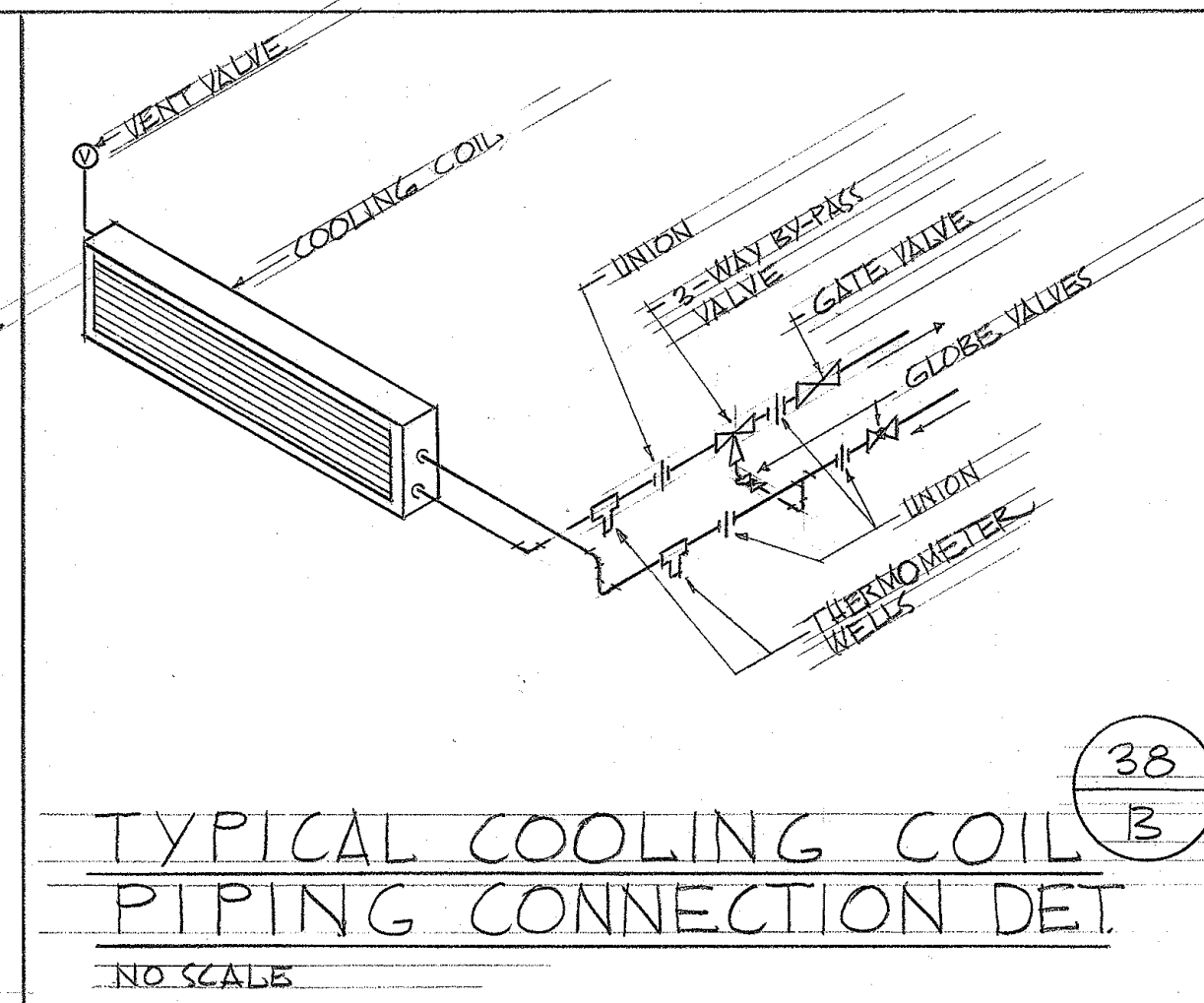
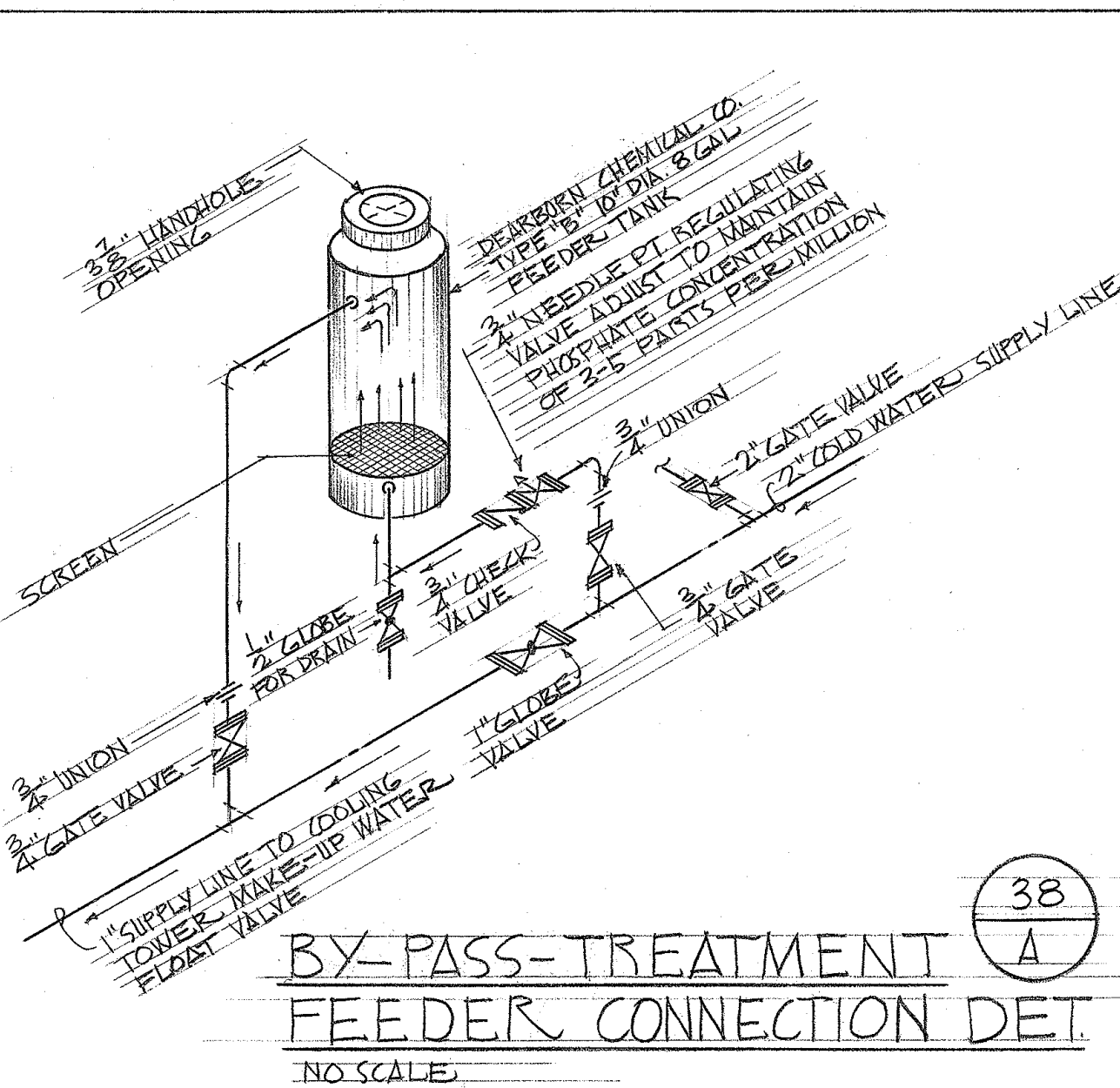
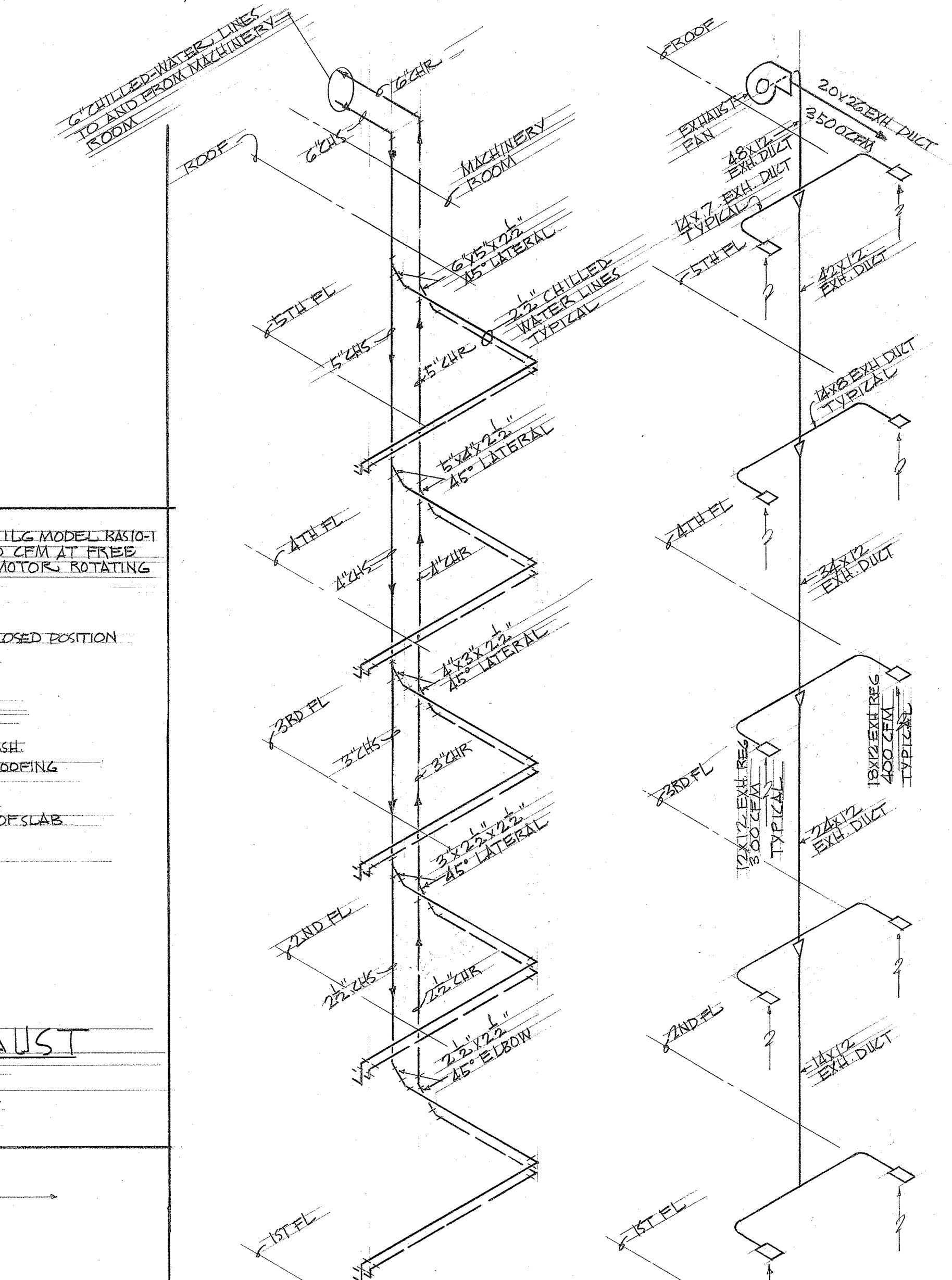
TYPE T418 THERMOSTAT RANGE 60°F TO 100°F INSERT BULB IN CONDENSER WATER SUPPLY LINE

CONTROL CIRCUIT WIRING DIAGRAM

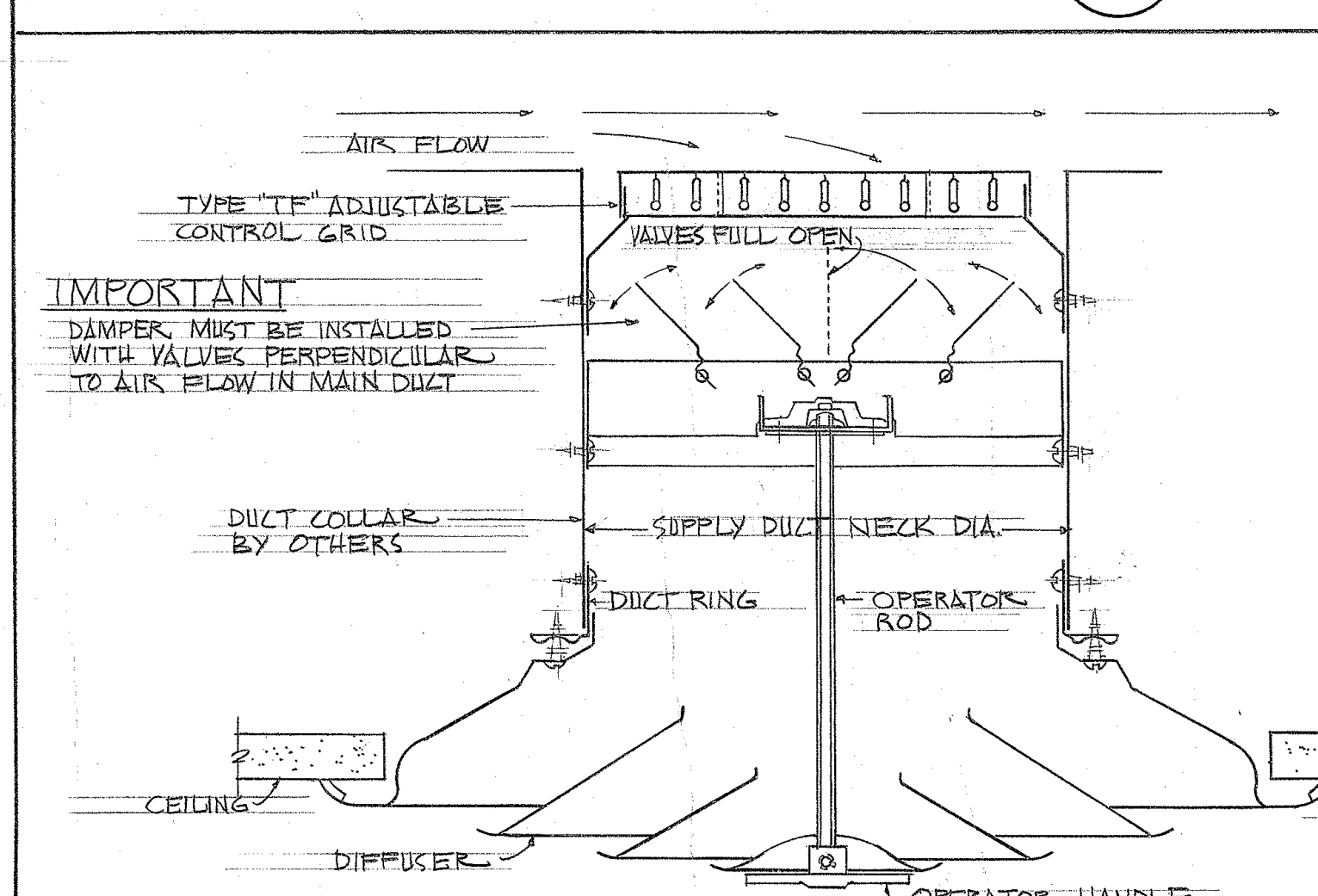
LEGEND

- TC PARAGON SERIES TWO SEVEN DAY TIME SWITCH
- TCR FIVE POLE TIME SWITCH RELAY
- ACF AIR CONDITIONING FAN
- TEF TOILET EXHAUST FAN
- R, W, B INDICATING LIGHT - R=RED, W=WHITE, B=BLUE
- OL OVERLOAD
- CHP CHILLED WATER PUMP
- RR RECYCLING RELAY
- SC STEP CONTROL
- CWP CONDENSER WATER PUMP
- CTF COOLING TOWER FAN
- WPP WATER PRESSURE DIFFERENTIAL SWITCH - MERCID NO. 848
- CWT CHILLED WATER LOW TEMPERATURE THERMOSTAT - MERCID TYPE OA-55-3 REMOTE STEM TEMPERATURE CONTROL RANGE NO. 2, 0°F TO 75°F, WITH STYLE NO. 2 BULB, EXTENSION SLEEVE TYPE B, 2" LONG, ARRANGED FOR SEMI-AUTOMATIC OPERATION WITH HAND RESET BUTTON

TYPICAL A/C CONTROL WIRING DIAGRAM



FIFTH FLOOR TOILET EXHAUST FAN & FLASHING DETAIL

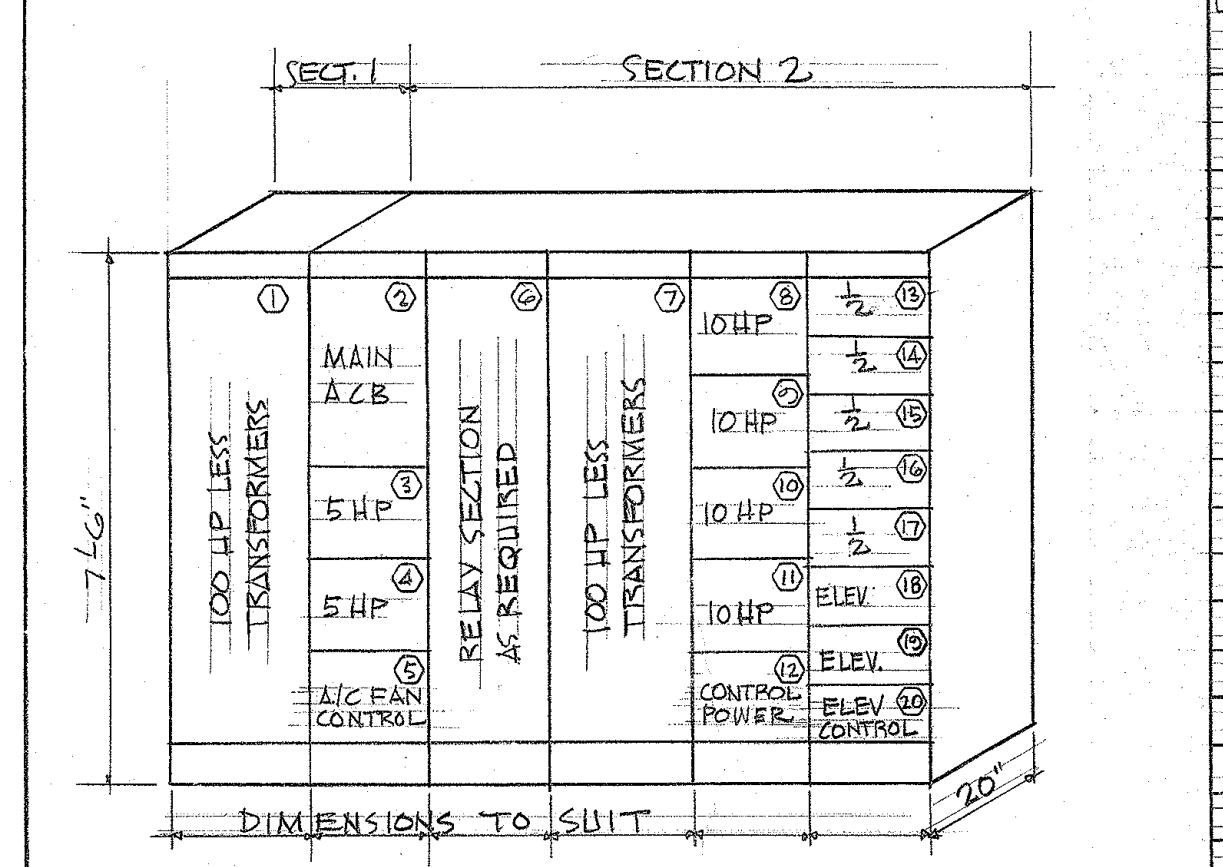
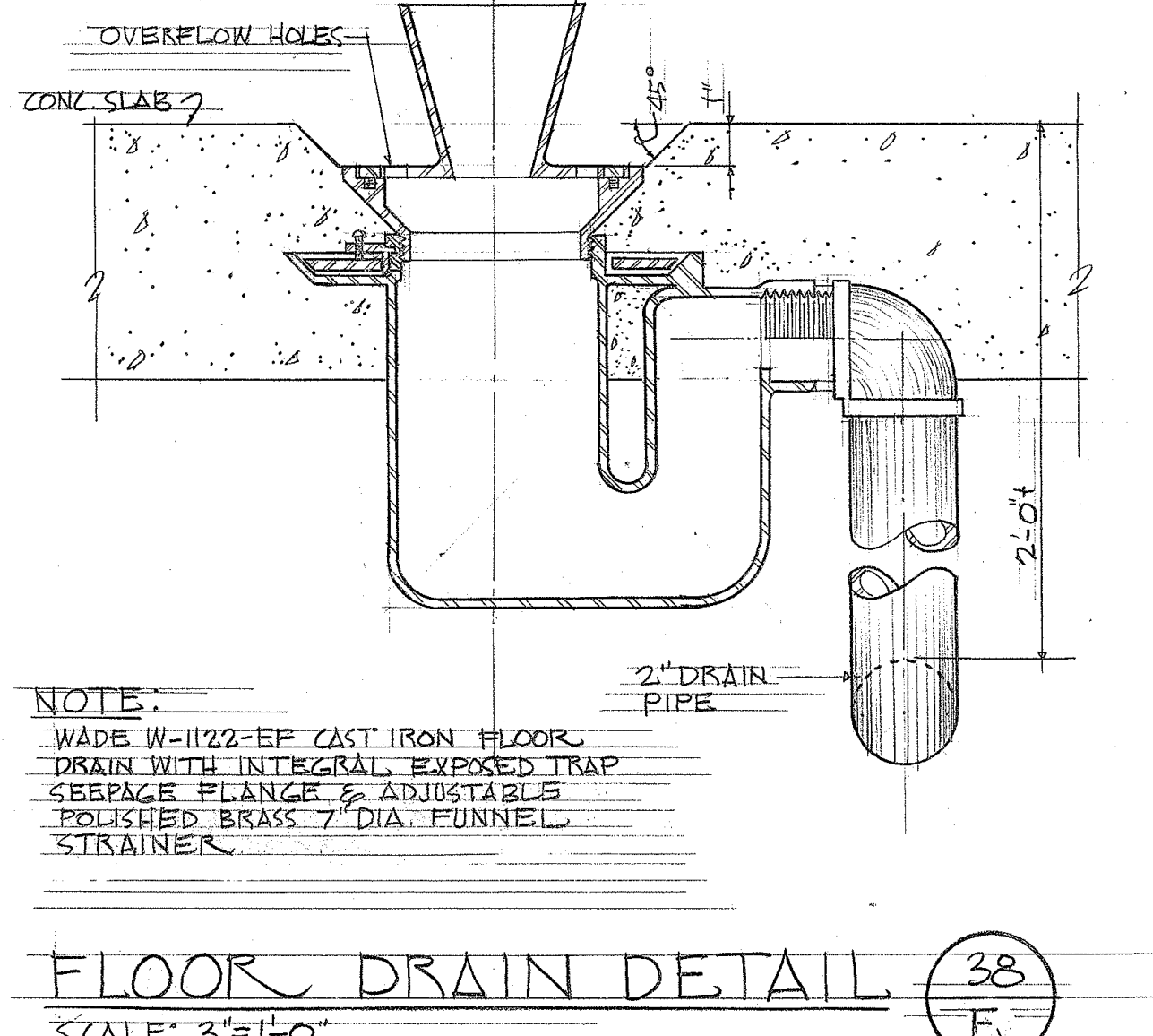


CHILLED-WATER PIPING DIAGRAM

NO SCALE

TOILET EXHAUST DUCT DIAGRAM

NO SCALE



MOTOR CONTROL CENTER SCHEDULE

UNIT NO.	H.P. OR RATING	DEVICE	BUILT-IN FEATURES
1	100HP	COMBINATION CLOSER TRANSFORMER AUTOMATIC STARTER	H-O-A IND LIGHT
2	500AMP	MAIN CIRCUIT BREAKER	
3	5HP	COMBINATION STARTER	H-O-A IND LIGHT
4	5HP	COMBINATION STARTER	H-O-A IND LIGHT
5		A/C FAN CONTROL	
6			
7	100HP	COMBINATION CLOSER TRANSFORMER AUTOMATIC STARTER	H-O-A IND LIGHT
8	10HP		H-O-A IND LIGHT
9	10HP		H-O-A IND LIGHT
10	10HP		H-O-A IND LIGHT
11	10HP		H-O-A IND LIGHT
12		A/C CONTROLS POWER CIRCUIT BREAKER	
13	5HP	COMBINATION STARTER	H-O-A IND LIGHT
14	5HP	COMBINATION STARTER	H-O-A IND LIGHT
15	5HP	COMBINATION STARTER	H-O-A IND LIGHT
16	5HP	COMBINATION STARTER	H-O-A IND LIGHT
17	5HP	COMBINATION STARTER	H-O-A IND LIGHT
18	20A	3 POLE A.C.B.	
19	20A	3 POLE A.C.B.	
20	20A	3 POLE A.C.B.	

MOTOR CONTROL CENTER DIAGRAM & SCHEDULE

TEKNOLOGY OF HAWAII
HIGHWAY DEPARTMENT BUILDING
PUNAHOU & QUEEN ST.
HONOLULU, T.H.

AIR CONDITIONING DETAILS

DRAWN BY: MITA
SCALE: AS SHOWN
DATE: FEB. 28, 1958
LAW & WILSON
ARCHITECTS & ENGINEERS
P.O. BOX 3288
HONOLULU, T.H.
JOB NO. 5994-38
SHEET 38
OF 40