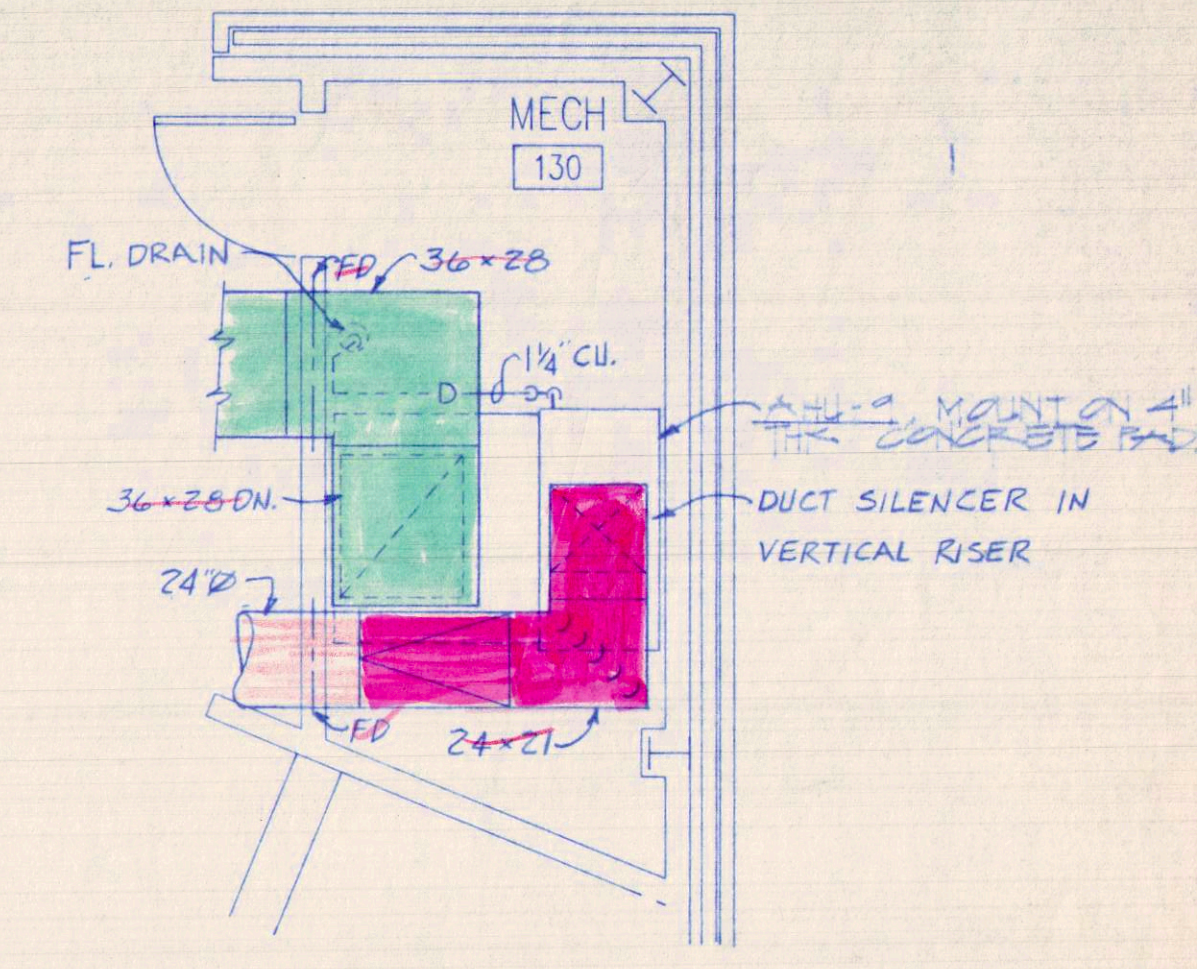
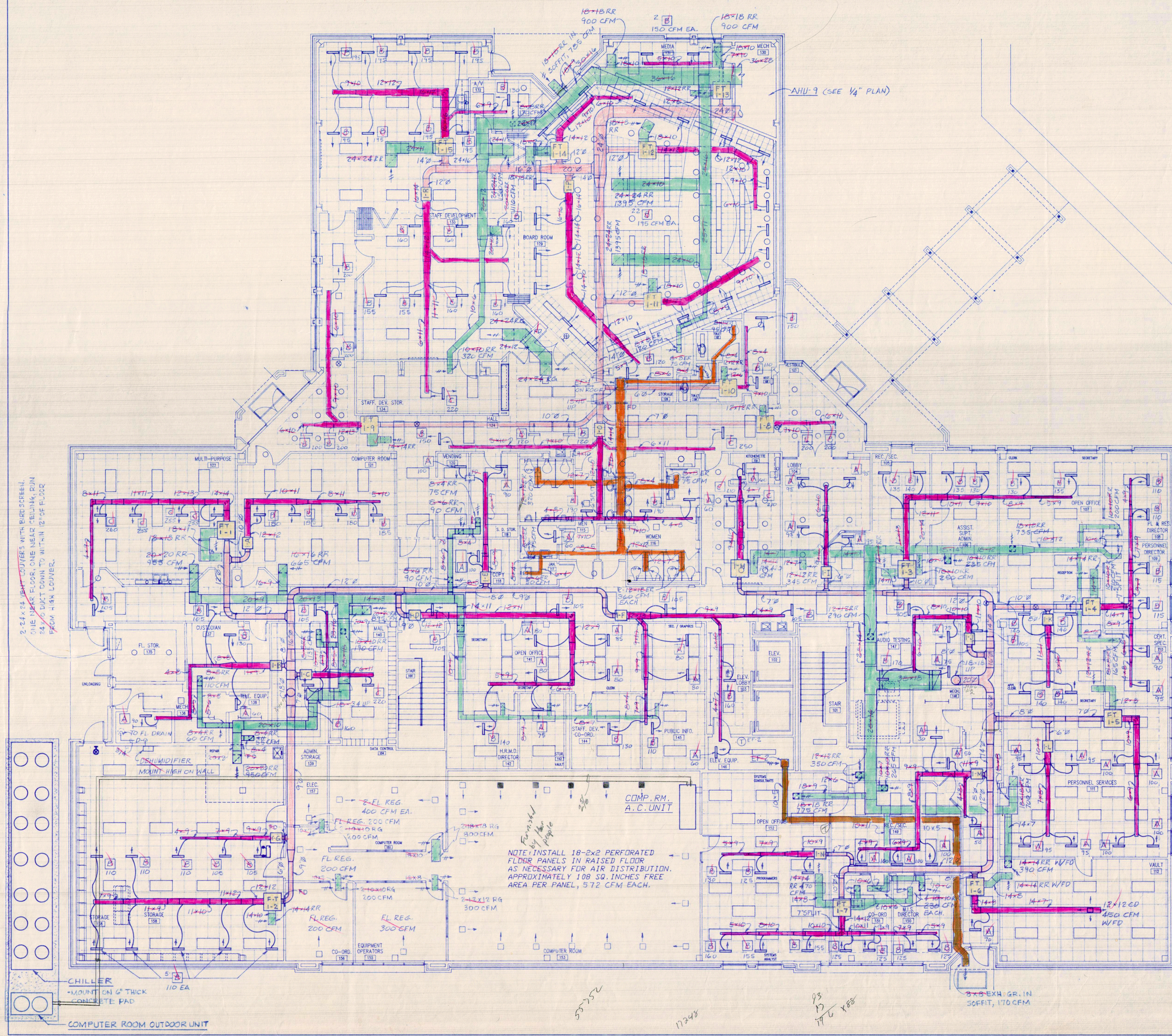
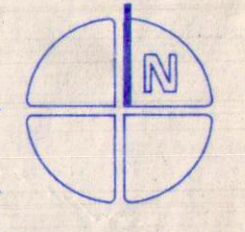




MECH ROOM 130
SCALE: 1/4" = 1'-0"

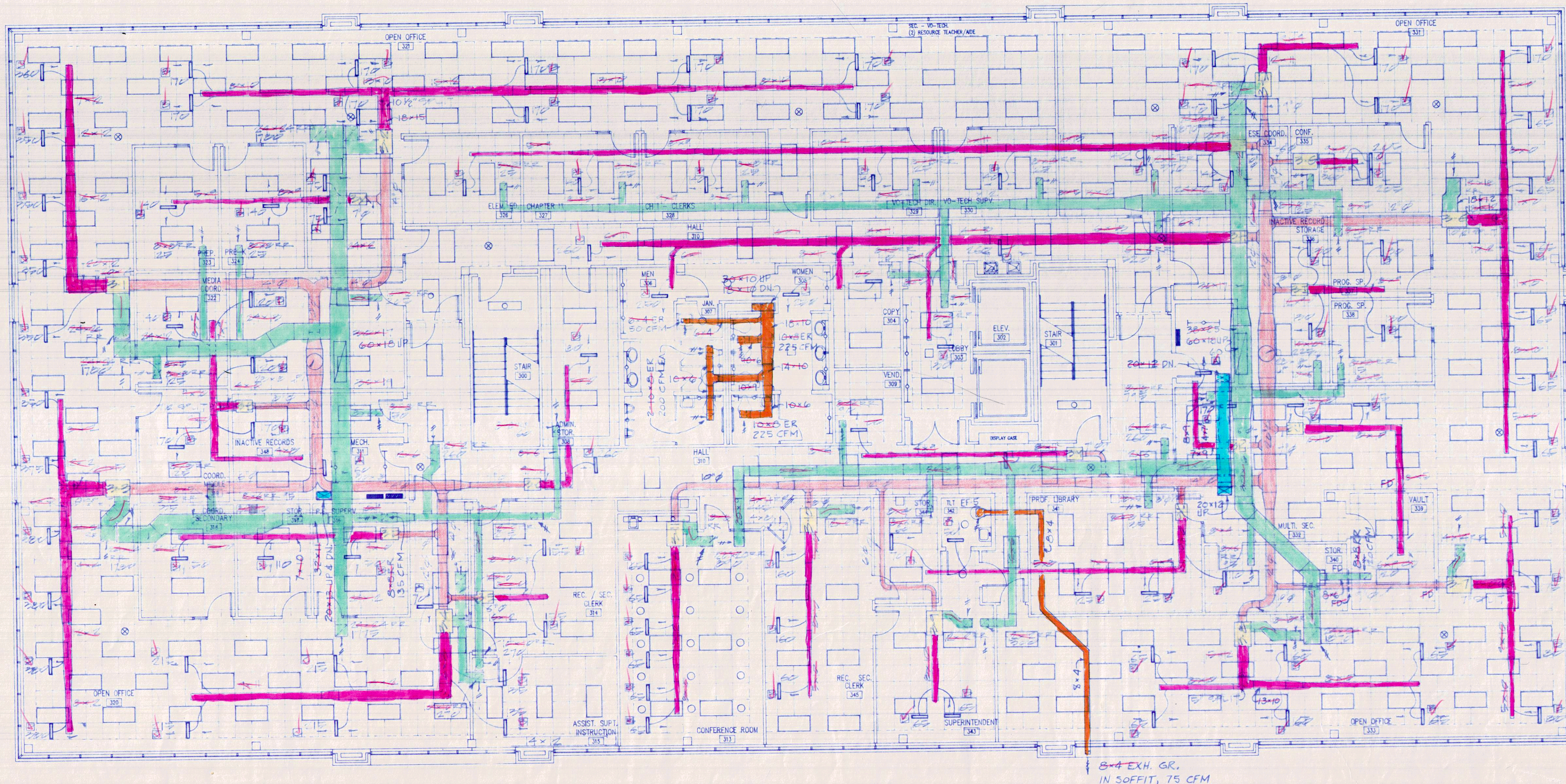
RED - SUPPLY AIR
GREEN - RETURN AIR
ORANGE - EXHAUST
BLUE - OUTSIDE AIR

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



DATE 9-5-91	
REVISIONS	
NORMAN GROSS & ASSOCIATES architecture, planning, design	
OF FLORIDA JULY 1988 STATUS REGISTERED	
425 West South Street Panama City, Florida 32402 Phone (904) 795-3406	
SMITH BOZARTH FULLER Architects & Planners, P.A. 4424 Grace Avenue Panama City, Florida	
SHEET TITLE PHASE III DOCUMENTS BAY COUNTY SCHOOL BOARD ADMINISTRATIVE OFFICE BUILDING Panama City, Florida	
DRAWN BY R.B.R.	CHECKED BY K.L.B.
PROJECT NUMBER 9020	
DEVELOPMENT NUMBER	
SHEET NO. M1	
HUMBER/ALMOND/BLYTHE, INC. CONSULTING ENGINEERS 218 HOSPITAL DRIVE FORT WALTON BEACH, FLORIDA 32548 PHONE: 904-239-7325 843-1425	
JOB NO.	751

83,000 87,374

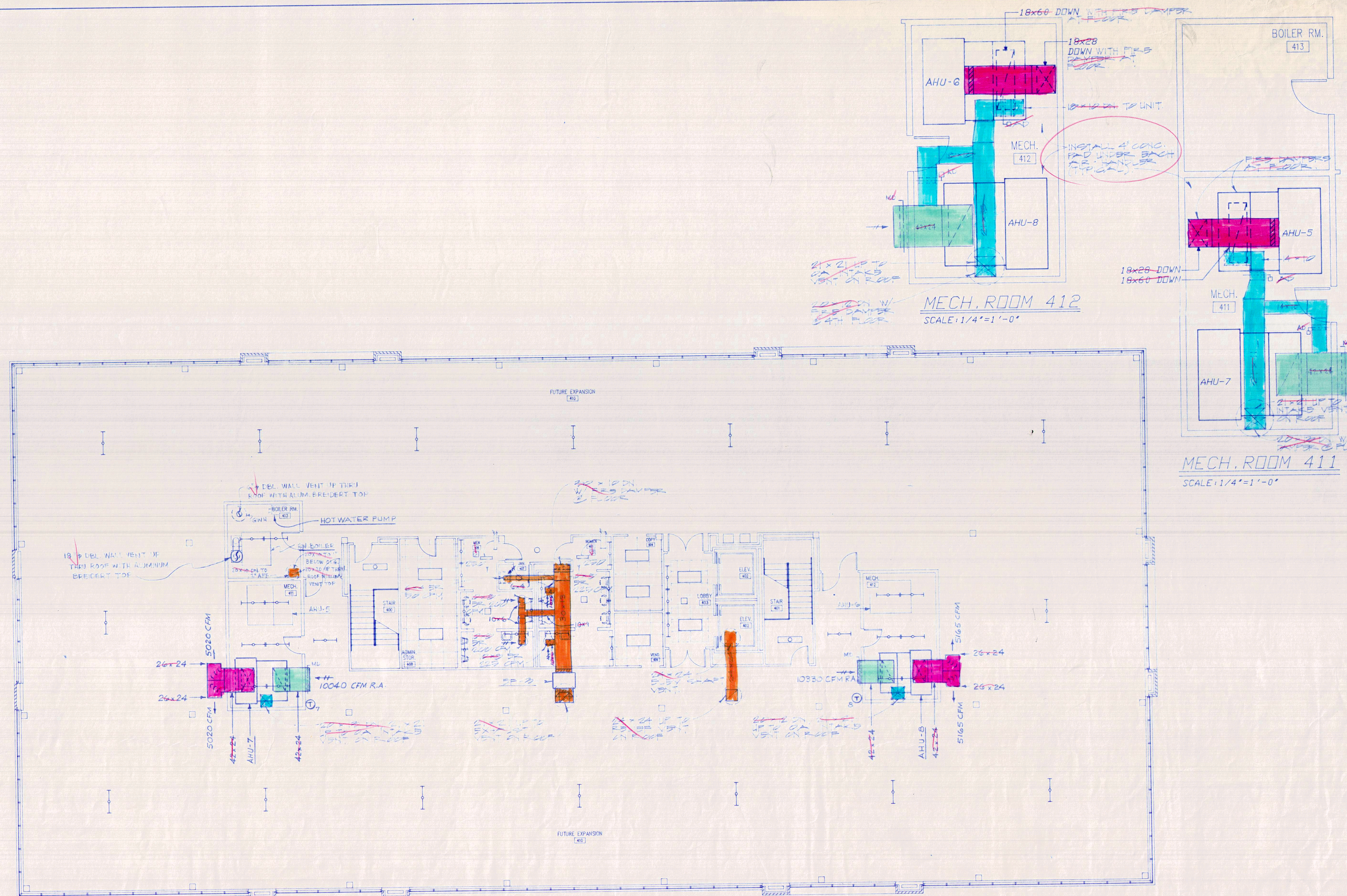


THIRD FLOOR PLAN - MECHANICAL
 SCALE: 1/8" = 1'-0"

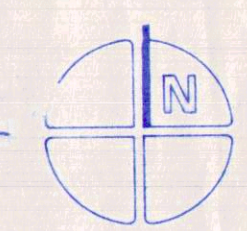
NOTE: THERMOSTATS LOCATED ON SHEET M 7

HUMBER/ALMOND/BLYTHE, INC
 CONSULTING ENGINEERS
 316 HOSPITAL DRIVE
 FORT WALTON BEACH, FLORIDA, 32548
 PHONE: 904-243-7323 243-1425

DATE 9.9.91	
REVISIONS	
NORMAN GROSS & ASSOCIATES architecture, planning, design 423 West Beach Drive Panama City, Florida 32402 Phone (904) 786-3408	
SMITH BOZARTH FULLER Architects & Planners, P.A. 4424 Grace Avenue Panama City, Florida	
SHEET TITLE PHASE III DOCUMENTS BAY COUNTY SCHOOL BOARD ADMINISTRATIVE OFFICE BUILDING Panama City, Florida	
DRAWN BY: 	CHECKED BY:
PROJECT NUMBER 9020	
DEVELOPMENT NUMBER	
SHEET NO. M3	



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

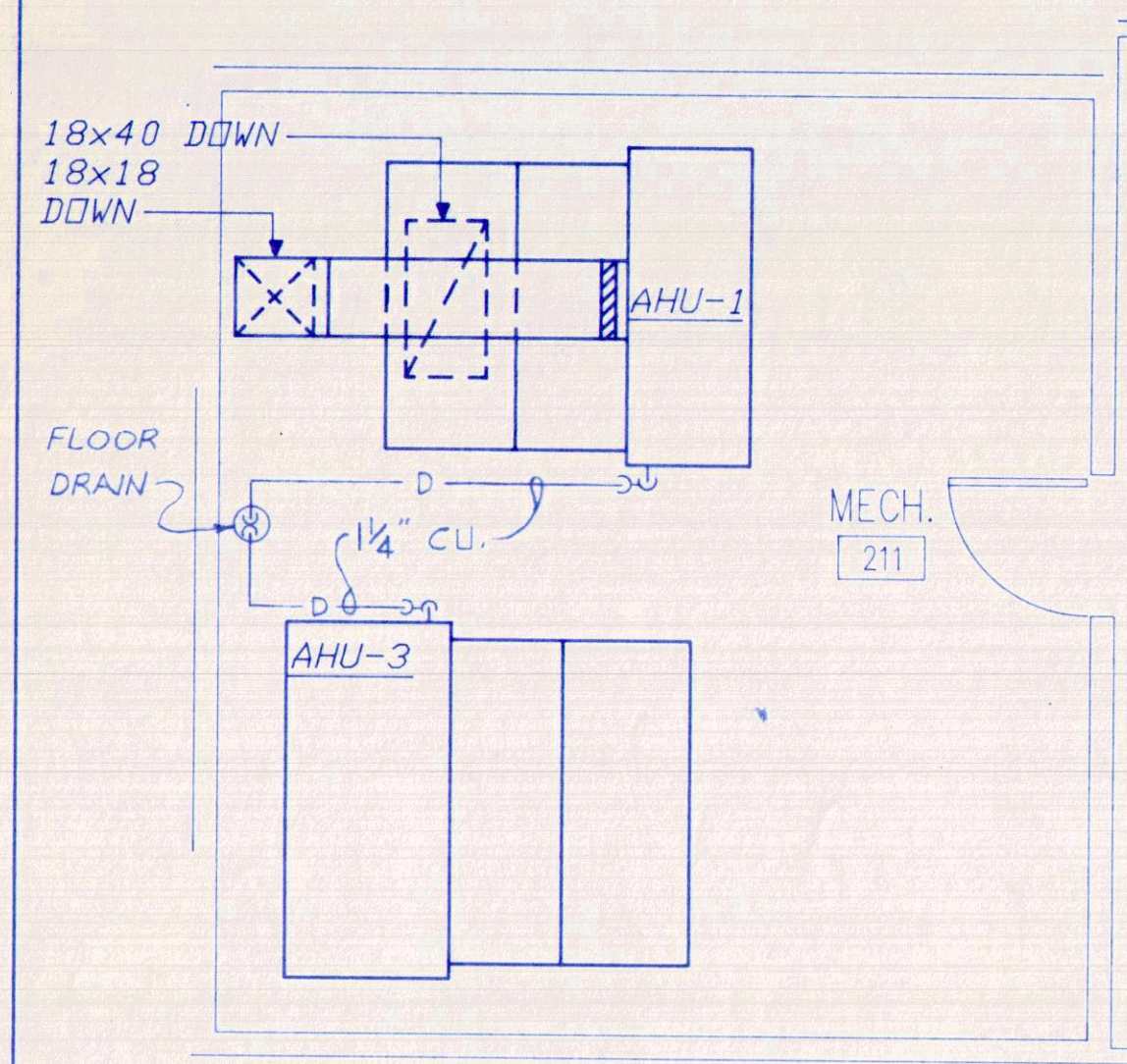


NOTES:
ROOF CURBS FOR OUTSIDE AIR INTAKE VENTS, EXHAUST VENT,
HOT WATER HEATER, HOT WATER BOILER, ETC. SHALL BE INSTALLED
AND INSTALLED BY THE METAL ROOF MANUFACTURER

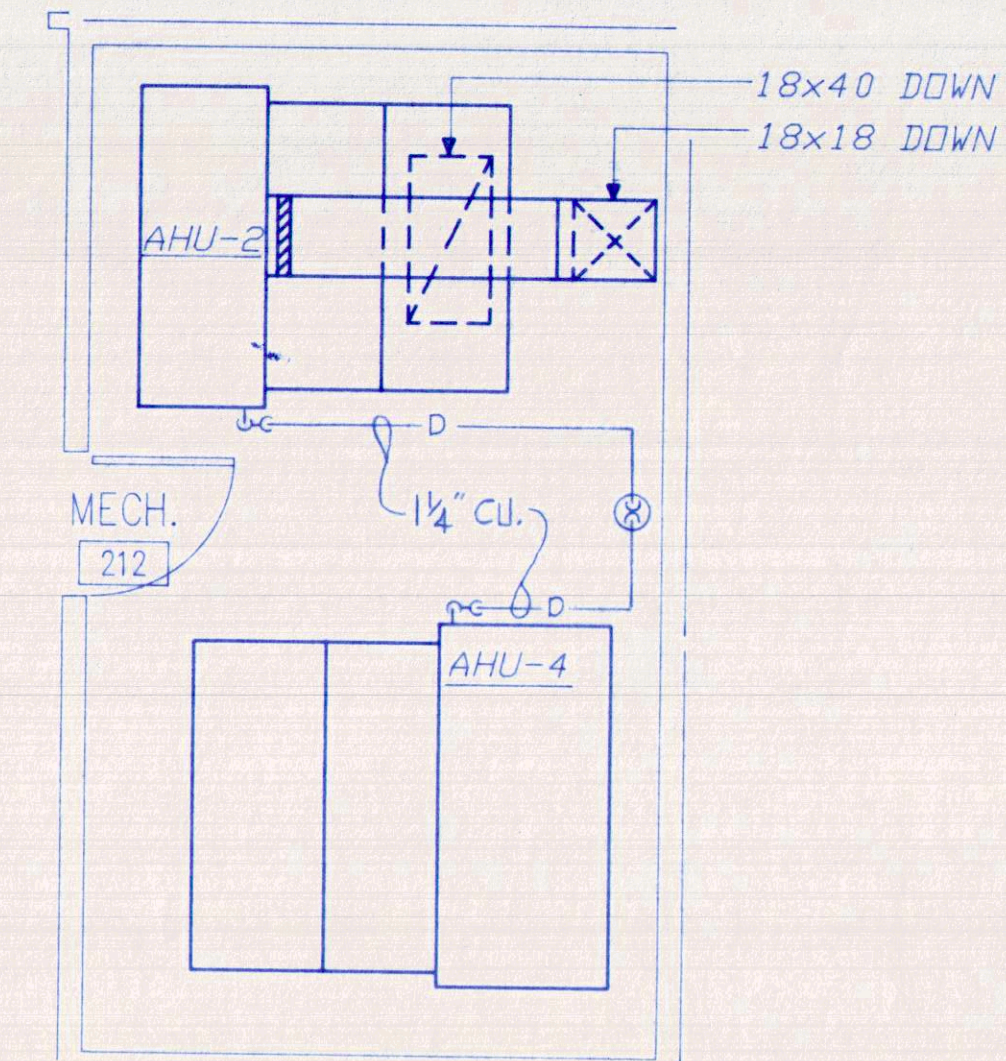
HUMBER/ALMOND/BLYTHE, INC
CONSULTING ENGINEERS
218 HOSPITAL DRIVE
FORT WALTON BEACH, FLORIDA, 32548
PHONE: 904-243-7323 243-1423

JOB No
751

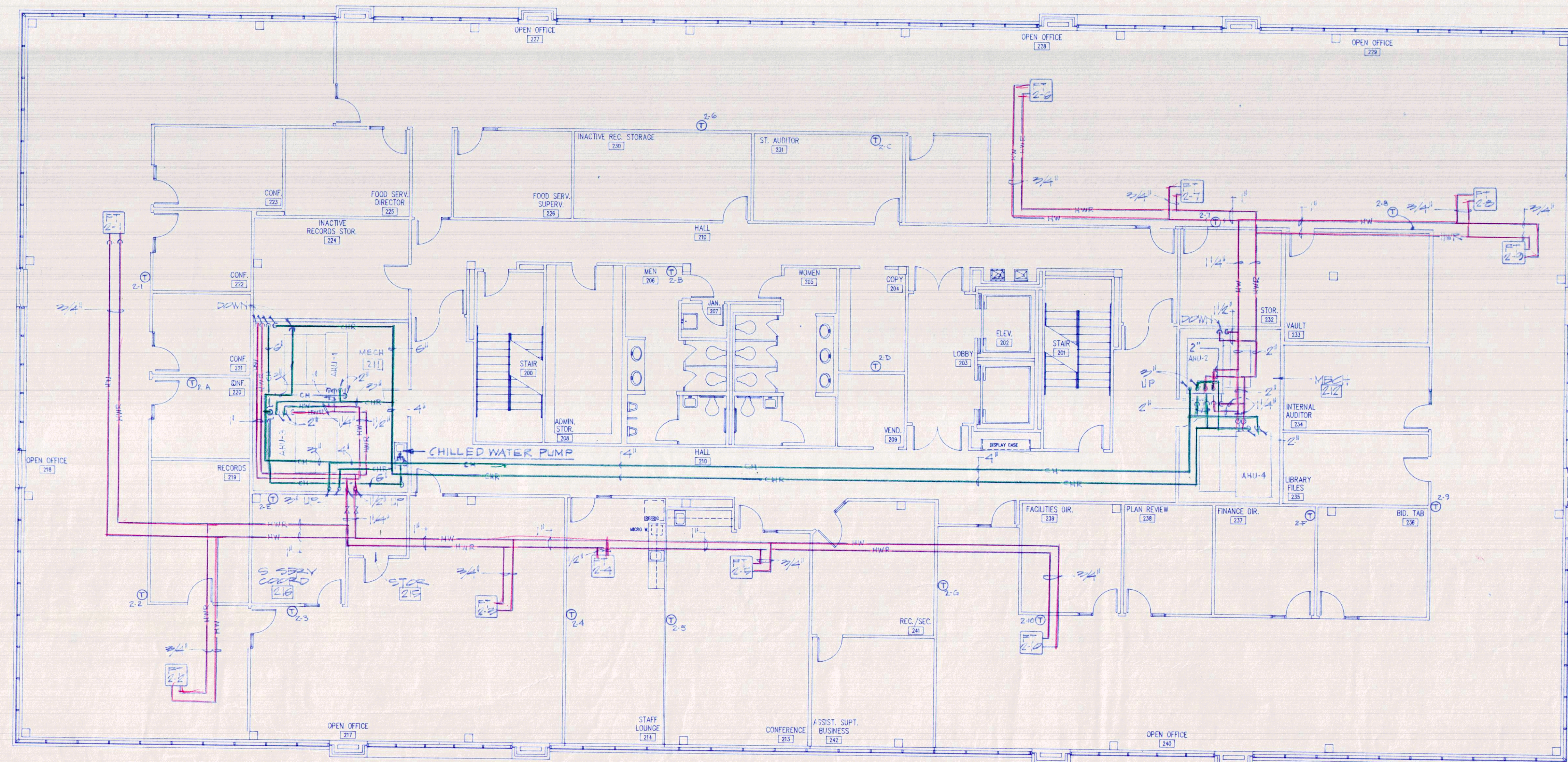
DATE 9.5.91	
REVISIONS	
NORMAN GROSS & ASSOCIATES architecture planning design 425 West Beach Drive Panama City, Florida 32402 (904) 795-3408	
SMITH BOZARTH FULLER Architects & Planners, P.A. 442a Grace Avenue Panama City, Florida	
SHEET TITLE PHASE III DOCUMENTS BAY COUNTY SCHOOL BOARD ADMINISTRATIVE OFFICE BUILDING Panama City, Florida	
DRAWN BY:	CHECKED BY:
PROJECT NUMBER 9020	
DEVELOPMENT NUMBER	
SHEET NO. M4	



MECH. ROOM 211
SCALE: 1/4" = 1' - 0"

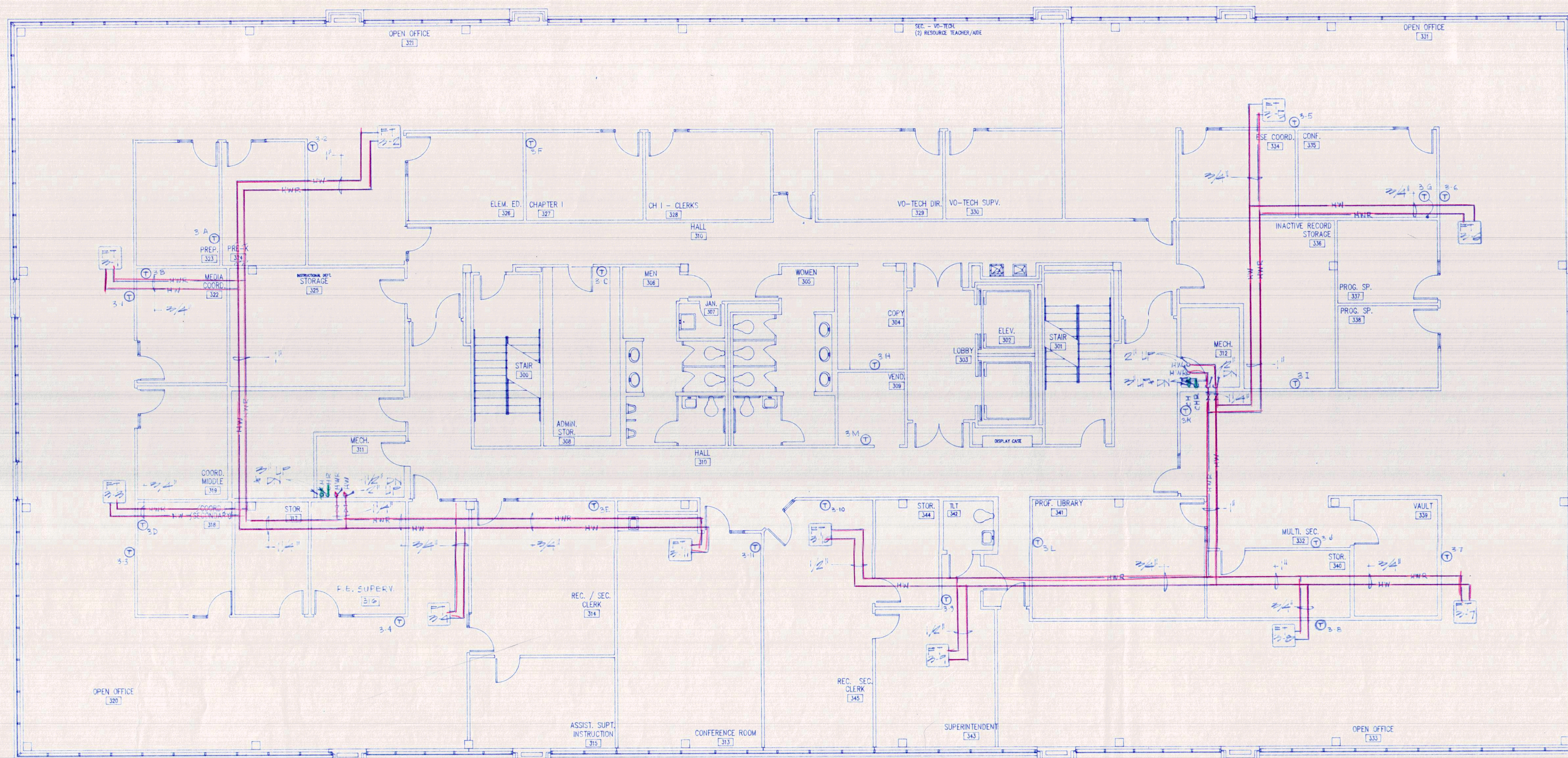


MECH. ROOM 212
SCALE: 1/4" = 1' - 0"



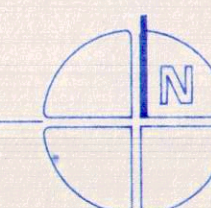
SECOND FLOOR PLAN - MECHANICAL PIPING
SCALE: 1/8" = 1' - 0"

DATE 9.9.91	
REVISIONS	
NORMAN GROSS & ASSOCIATES architecture, planning, design 423 West Beach Drive Panama City, Florida 32402 Phone: (904) 766-3408	
SMITH BOZARTH FULLER Architects & Planners, P.A. 412a Grace Avenue Panama City, Florida	
SHEET TITLE PHASE III DOCUMENTS - BAY COUNTY SCHOOL BOARD ADMINISTRATIVE OFFICE BUILDING Panama City, Florida	
DRAWN BY: VET/SS	CHECKED BY: RLB
PROJECT NUMBER 9020	
DEVELOPMENT NUMBER	
SHEET NO. M6	



THIRD FLOOR PLAN - MECHANICAL PIPING

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



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CONSULTING ENGINEERS
218 HOSPITAL DRIVE
FORT WALTON BEACH, FLORIDA 32548
PHONE: 904-242-7325 242-1425

JOB No.
751

DRAWN BY:
VET, GS

CHECKED BY:
R.L.B.

PROJECT NUMBER
9020

DEVELOPMENT NUMBER

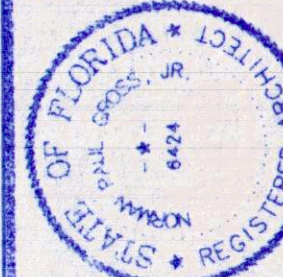
SHEET NO.

M7

PHASE III DOCUMENTS
BAY COUNTY SCHOOL BOARD
ADMINISTRATIVE OFFICE BUILDING
Panama City, Florida

SMITH
BOZARTH
FULLER Architects & Planners, P.A.
442a Grace Avenue Panama City, Florida

NORMAN GROSS & ASSOCIATES
architecture-planning-design
425 West Beach Drive
Panama City, Florida 32402
Phone Office Box 2207
(904) 795-3408

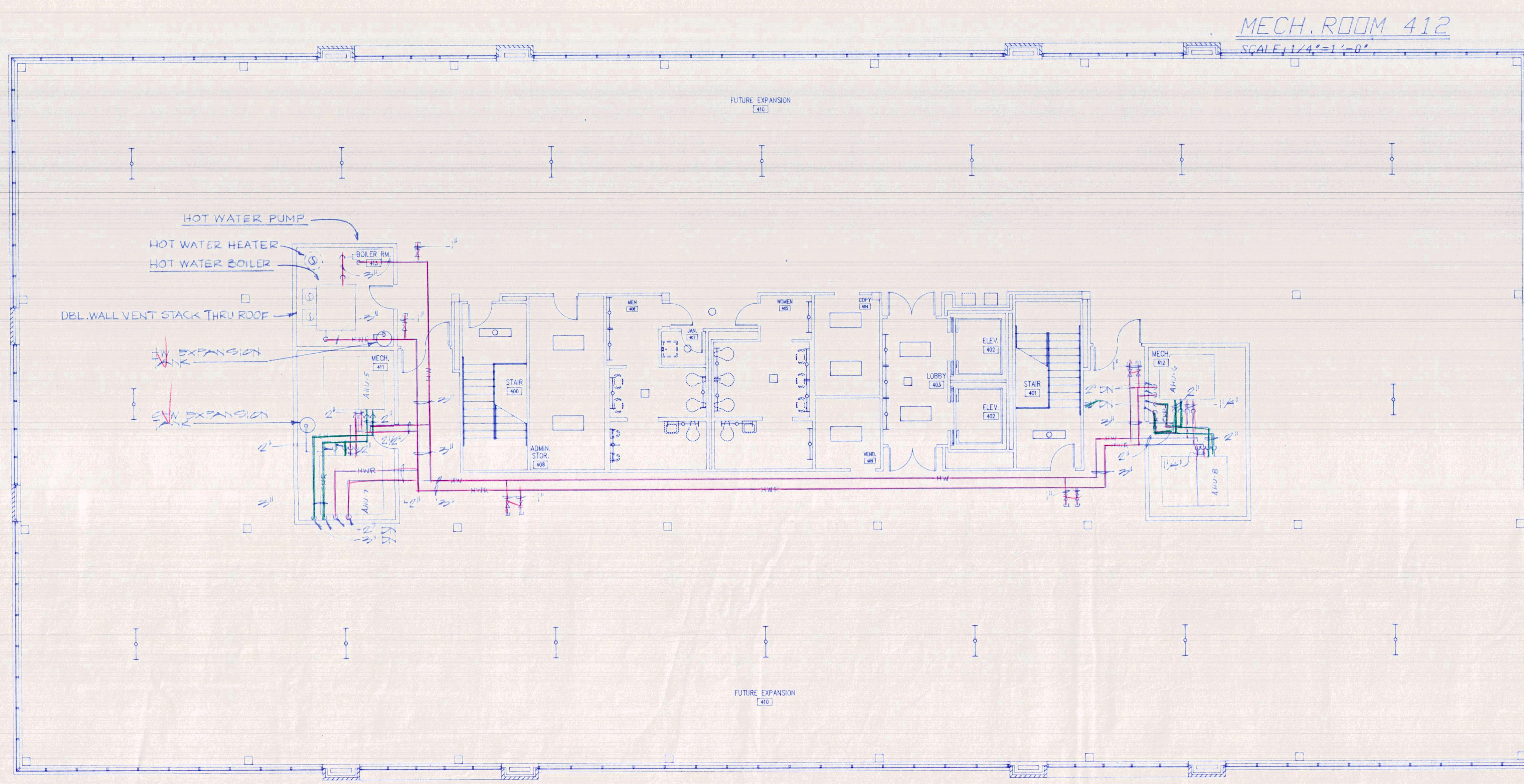


REVISIONS

NO.	DATE	DESCRIPTION
1	9.5.91	

DATE

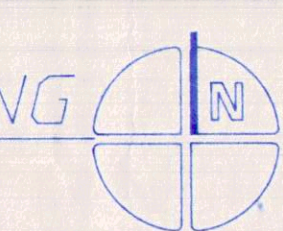
9.5.91



MECH. ROOM 412
SCALE: 1/4" = 1'-0"

MECH. ROOM 411
SCALE: 1/4" = 1'-0"

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



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CONSULTING ENGINEERS
218 HOSPITAL DRIVE
FORT WALTON BEACH, FLORIDA, 32548
PHONE: 904-243-7325 243-1425

JOB NO
751

SHEET NO.

DEVELOPMENT NUMBER

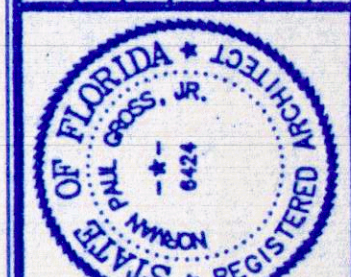
PROJECT NUMBER
9020

DRAWN BY: VPT/SG
CHECKED BY: FLS

SHEET TITLE
PHASE III DOCUMENTS
BAY COUNTY SCHOOL BOARD
ADMINISTRATIVE OFFICE BUILDING
Panama City, Florida

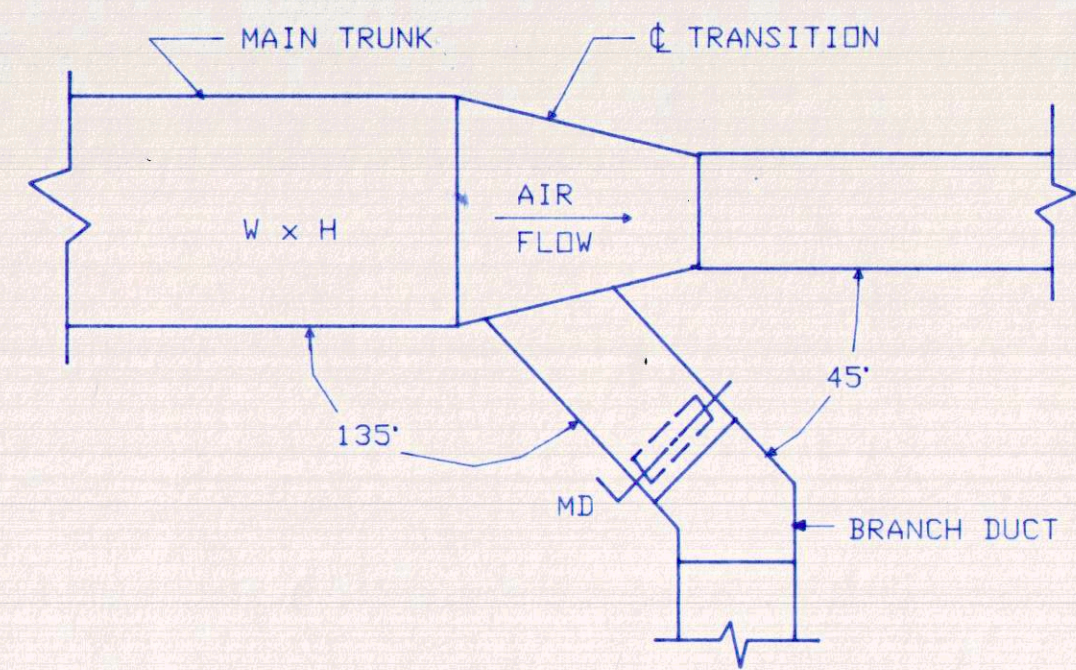
SMITH
BOZARTH
FULLER Architects & Planners, P.A.
442a Grace Avenue Panama City, Florida

NORMAN GROSS & ASSOCIATES
architecture-planning-design
425 West Beach Drive
Panama City, Florida 32402
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(904) 760-5400

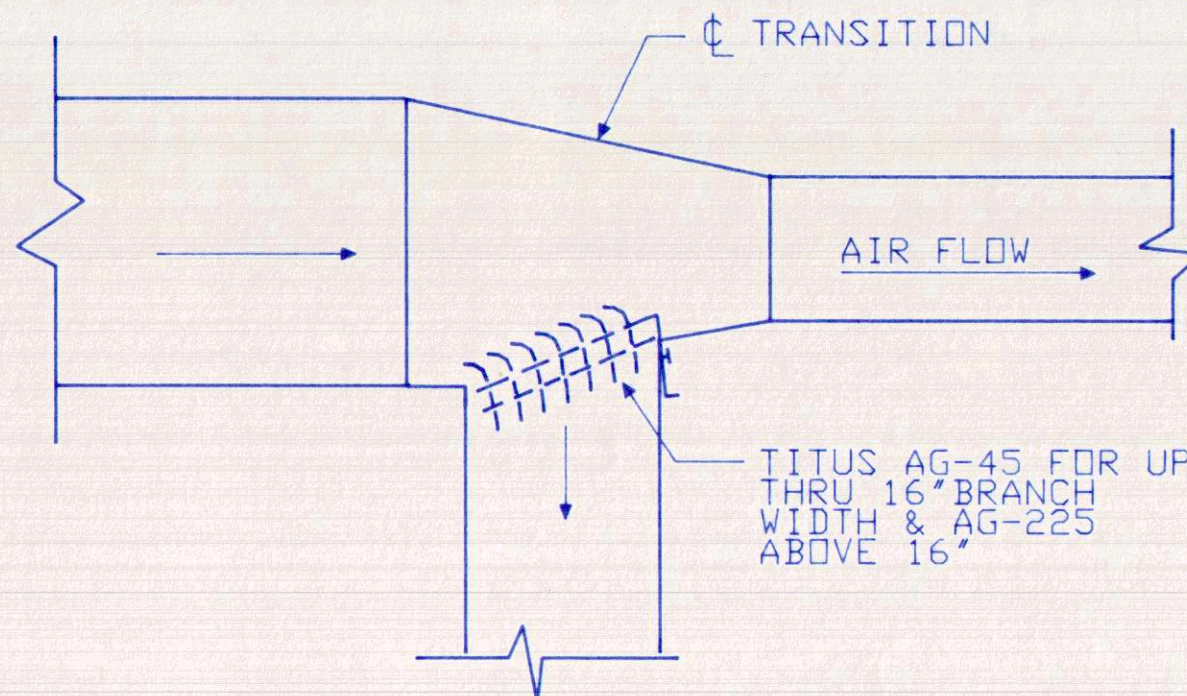


REVISIONS

DATE
9.5.91

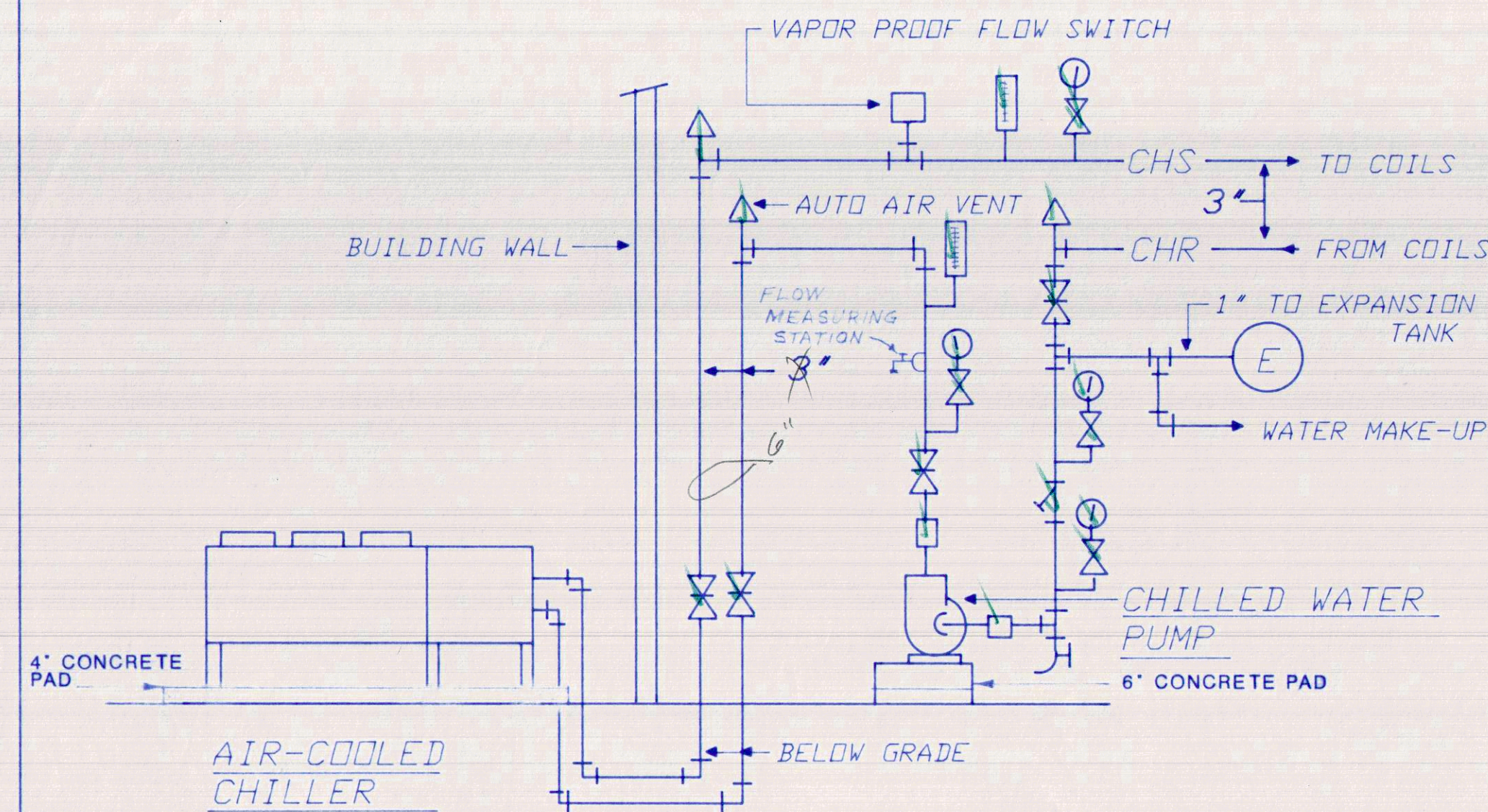


BRANCH DUCT TAKE-OFF
NOT TO SCALE

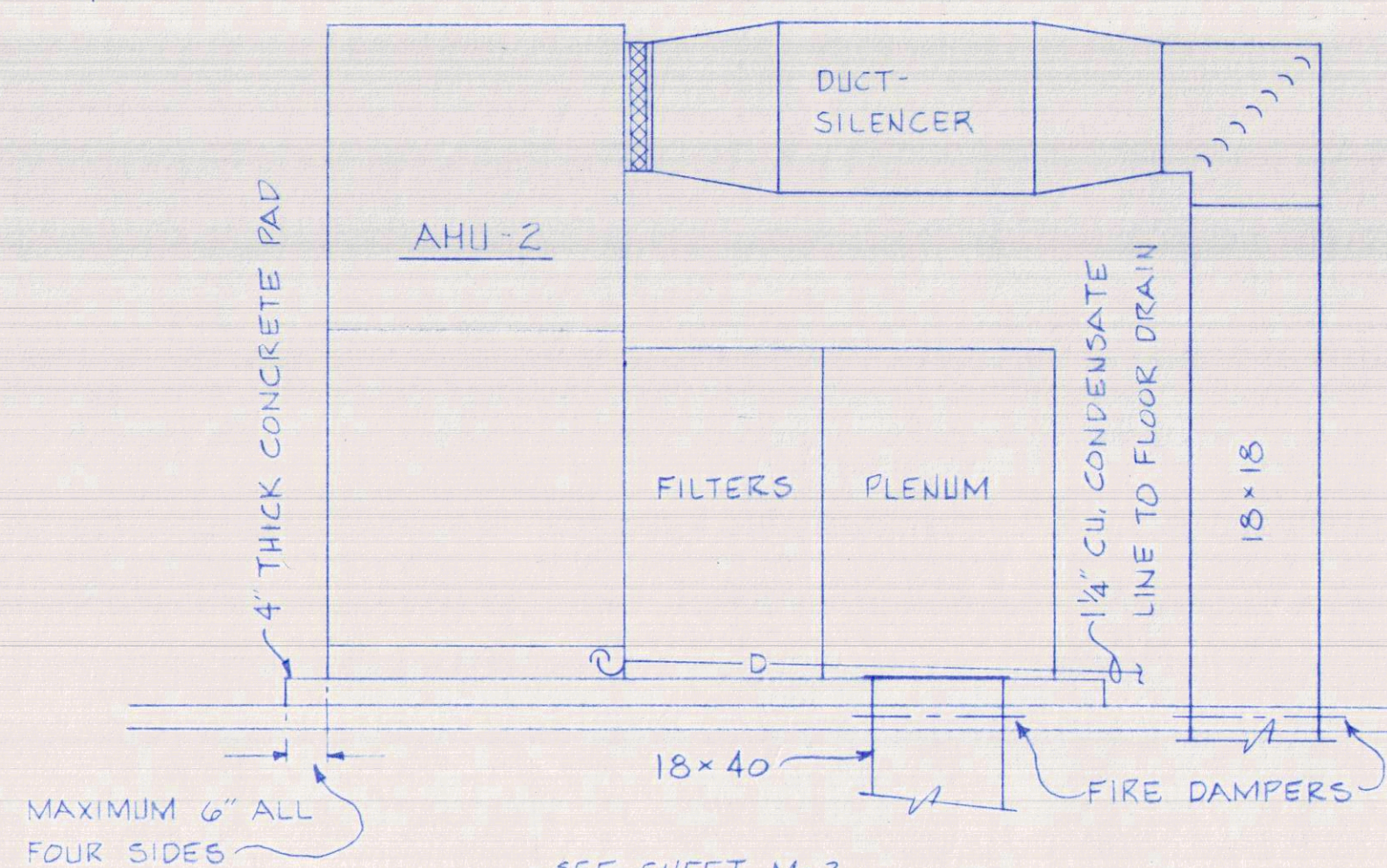


AIR EXTRACTOR AT 90° TAKE-OFF

NO SCALE
INSTALL IN ACCORDANCE WITH
MANUFACTURERS RECOMMENDATIONS



CHILLED WATER PIPING DIAGRAM
NOT TO SCALE

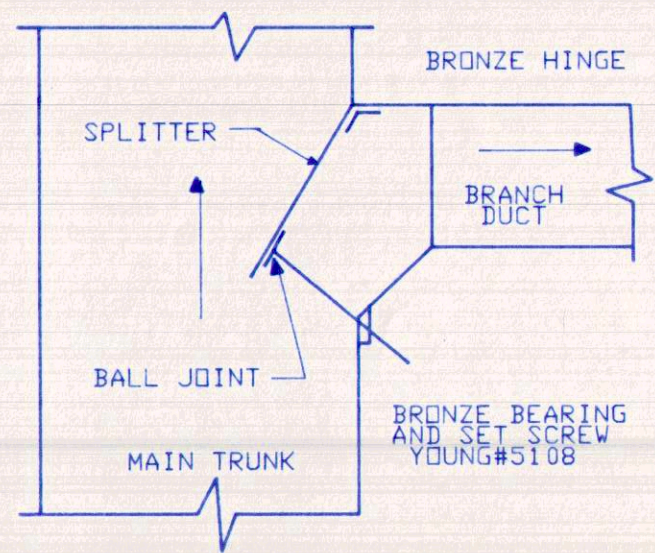


SECTION "A-A"

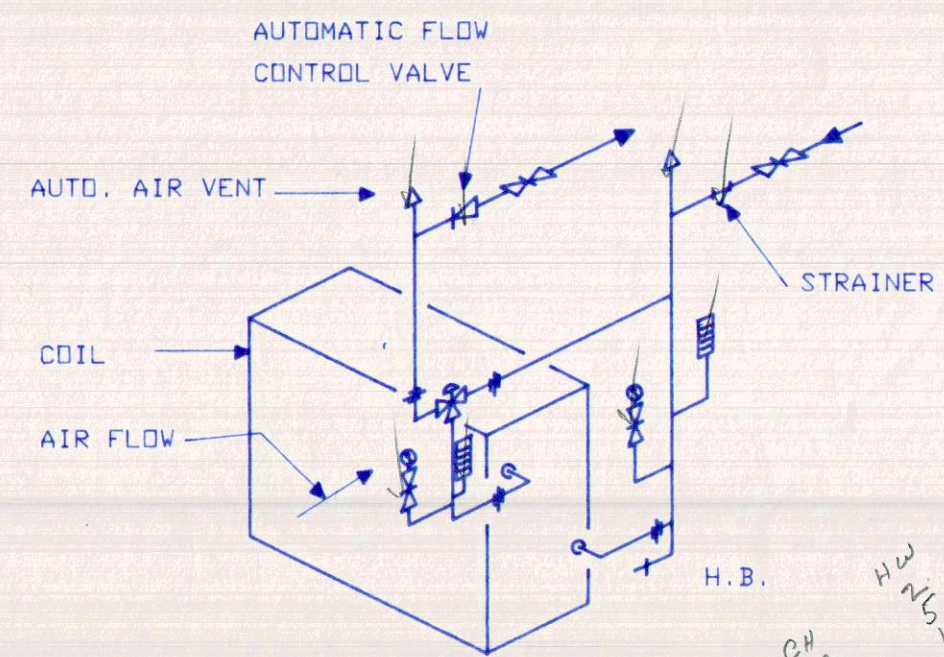
SECTION THRU AHU-2 ALL OTHERS SIMILAR

LEGEND

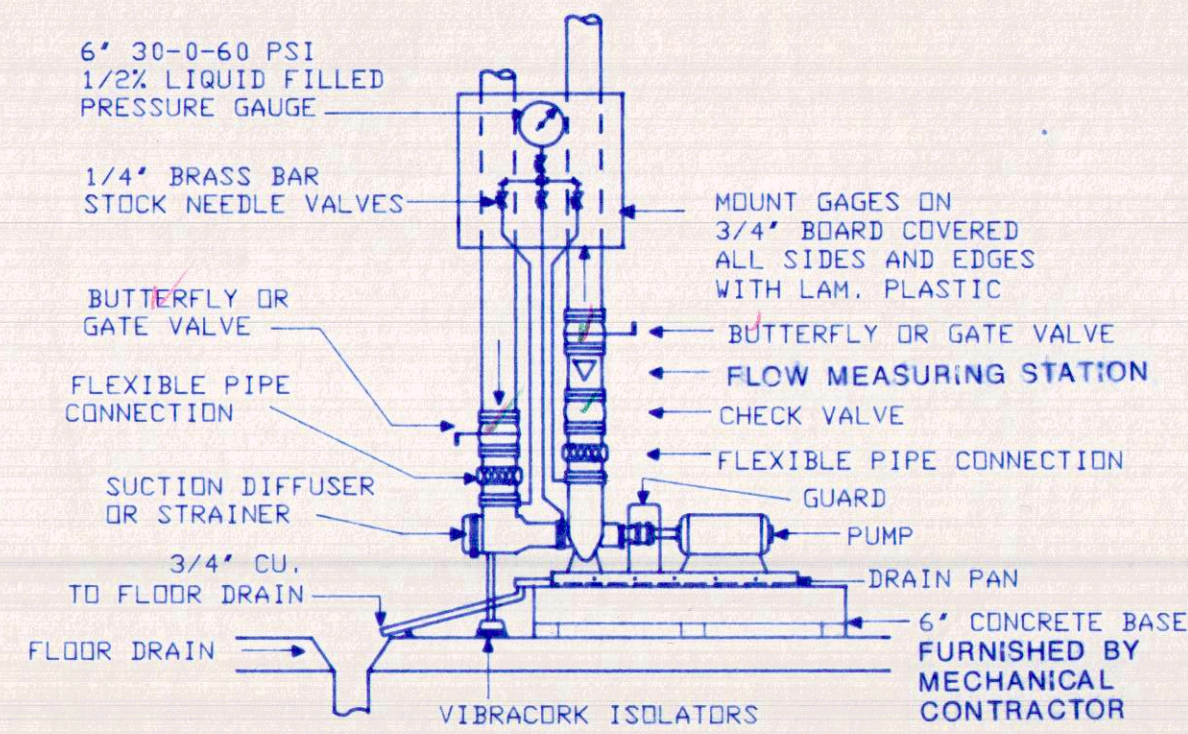
CFM	CUBIC FEET PER MINUTE		SUPPLY OR OUTSIDE AIR DUCT IN SECTION
CU	COPPER		RETURN OR EXHAUST AIR DUCT IN SECTION
DN	DOWN		DUCT SIZE (FIRST DIMENSION AS VIEWED)
CD	CEILING DIFFUSER		FLEXIBLE DUCT CONNECTION
ER	EXHAUST REGISTER		CEILING TYPE AIR DIFFUSER RECTANGULAR 4 WAY SHOWN
RA	RETURN AIR		CEILING EXHAUST OR RETURN AIR REGISTER
DA	OUTSIDE AIR		WALL TYPE SUPPLY OUTLET WITH AIR TURNING DEVICE
EF	EXHAUST FAN		TURNING VANES IN DUCT
RR	RETURN REGISTER		SPLITTER DAMPER IN DUCT
RG	RETURN GRILLE		AUTO DAMPER IN DUCT (PROVIDE ACCESS)
REG	REGISTER		MANUAL DAMPER (PROVIDE ACCESS)
AFF	ABOVE FINISHED FLOOR		FIRE/SMOKE DAMPER (PROVIDE ACCESS)
AHU	AIR HANDLING UNIT		UNION
HW	HOT WATER HEATER		STRAINER
FD	FLOOR DRAIN		AUTO AIR VENT
→	SUPPLY AIR		THERMOMETER
←	RETURN OR EXHAUST AIR		PRESSURE GAGE
⊕	THERMOSTAT		GATE VALVE
⊙	ROUND		GLOBE VALVE
—D—	DRAIN		CHECK VALVE
GR	GRILLE		AUTO 3-WAY VALVE
VAV	VARIABLE AIR VOLUME		SQUARE HEAD COCK
DPN	OPENING		HOSE BIBB
CLG	CEILING		
EG	EXHAUST GRILLE		
AD	AUTO DAMPER		
EX	EXISTING		
EXH	EXHAUST		
DPR	DAMPER		
GA	GAUGE		
ALUM.	ALUMINUM		
W/FD	WITH FIRE DAMPER		
MT	MARK TIME SWITCH		
R	REFRIG. LINES (ROUTE ONLY)		
CH	CHILLED WATER SUPPLY		
CHR	CHILLED WATER RETURN		
HW	HOT WATER SUPPLY		
HWR	HOT WATER RETURN		
⊕	PIPE TURNING DOWN		
⊙	PIPE TURNING UP		



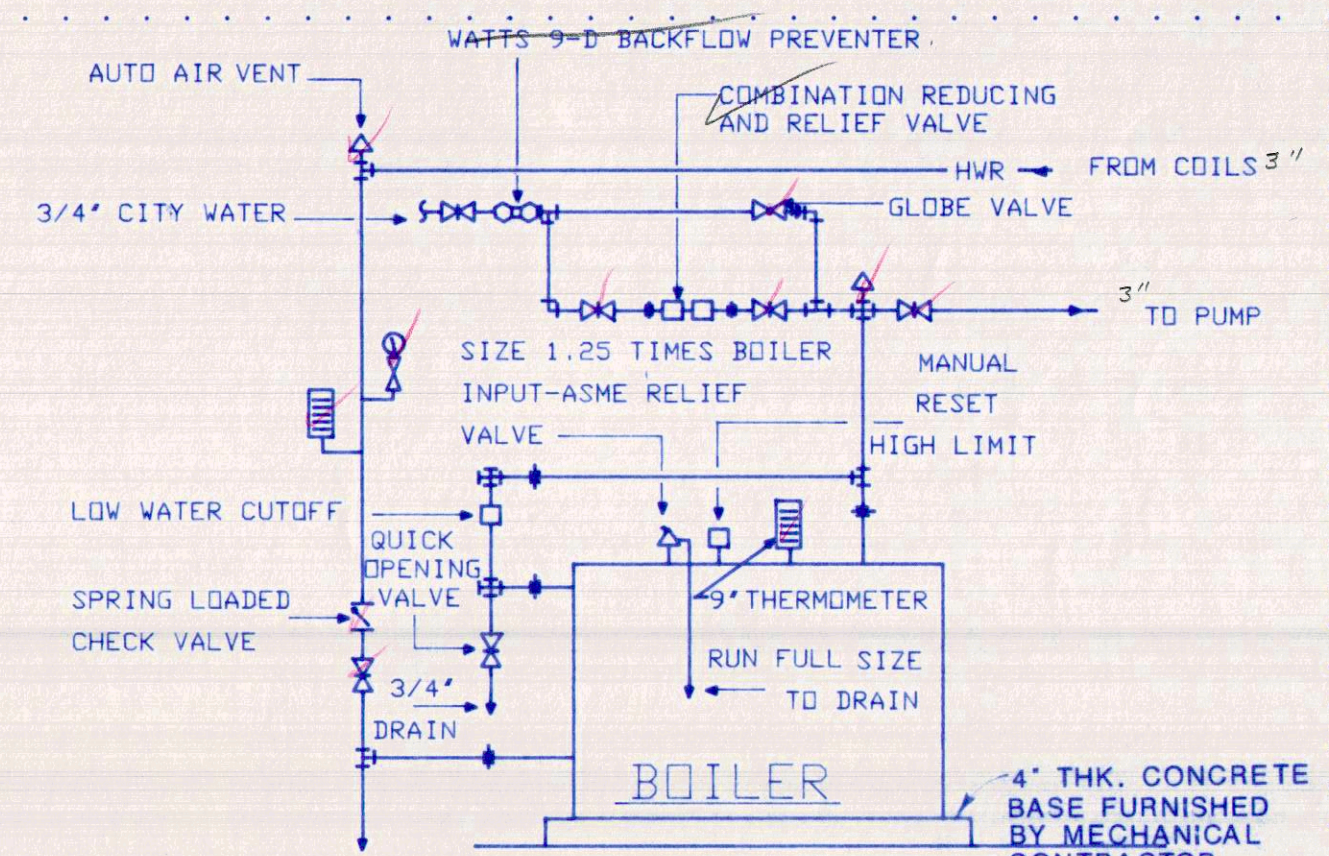
NOTE: THIS DETAIL FOR BRANCH DUCT TAKEOFFS.
SPLITTER DAMPER DETAIL
 NOT TO SCALE



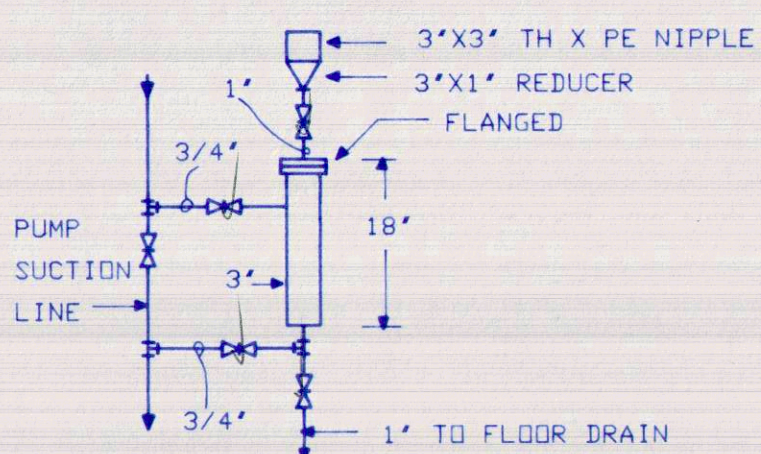
WATER COIL CONNECTIONS
 NO SCALE



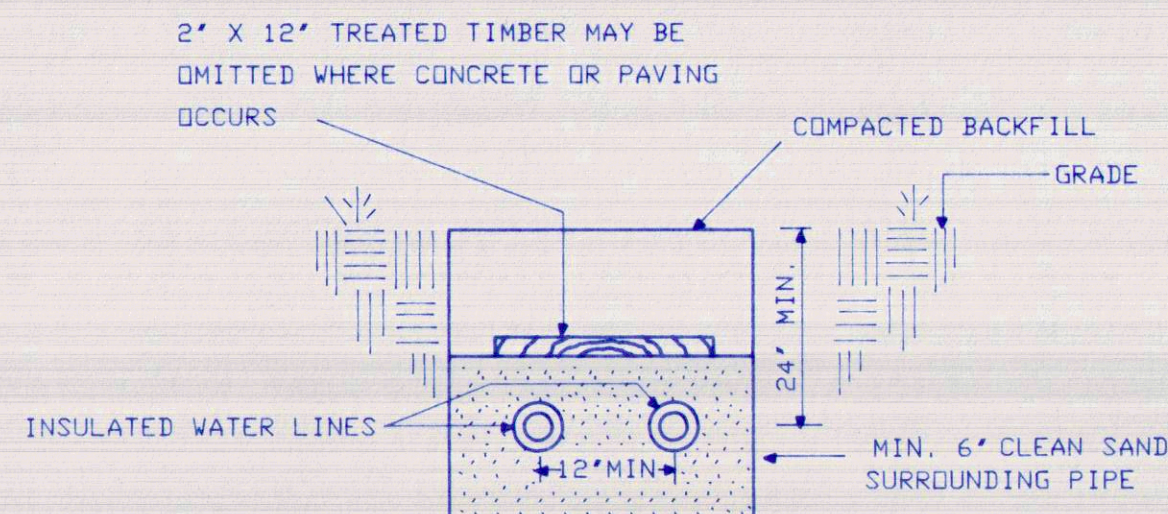
BASE MOUNTED PUMP DETAIL
 NO SCALE



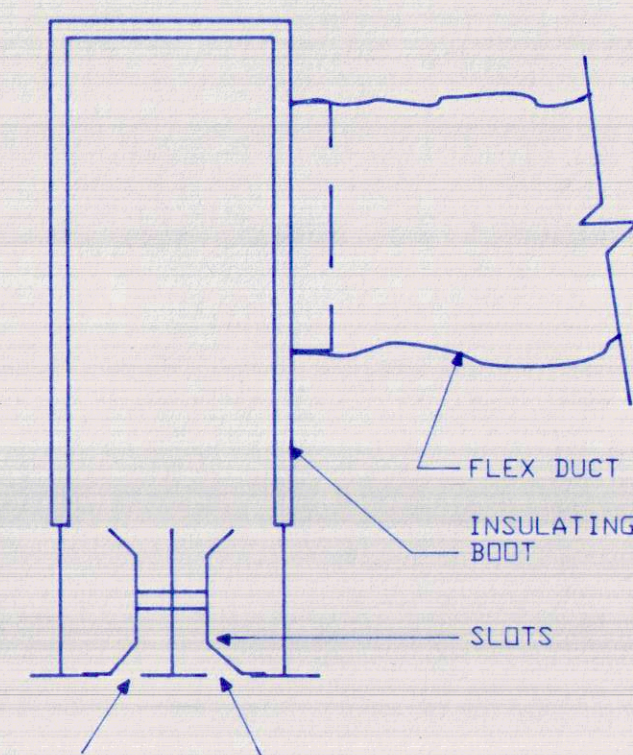
BOILER PIPING DETAIL
 NO SCALE



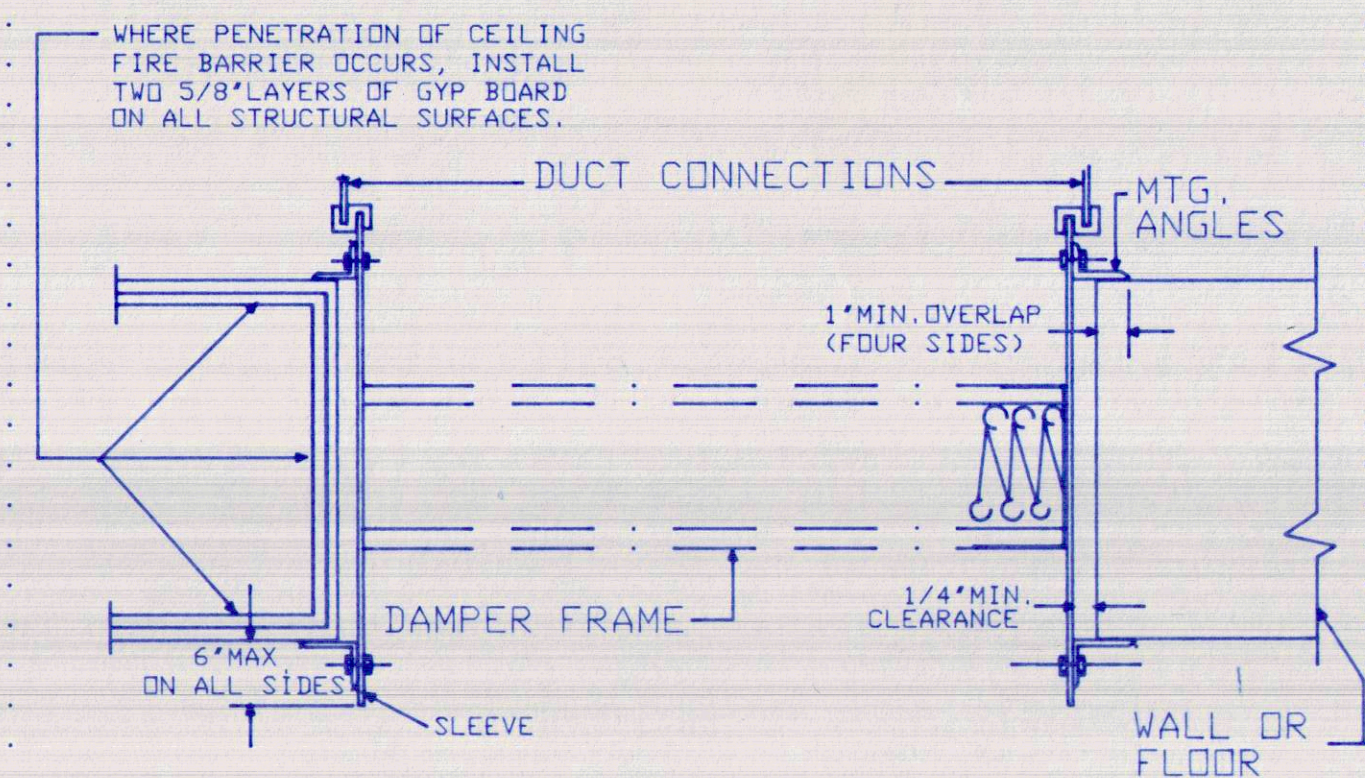
CHEMICAL POT FEEDER
 NO SCALE



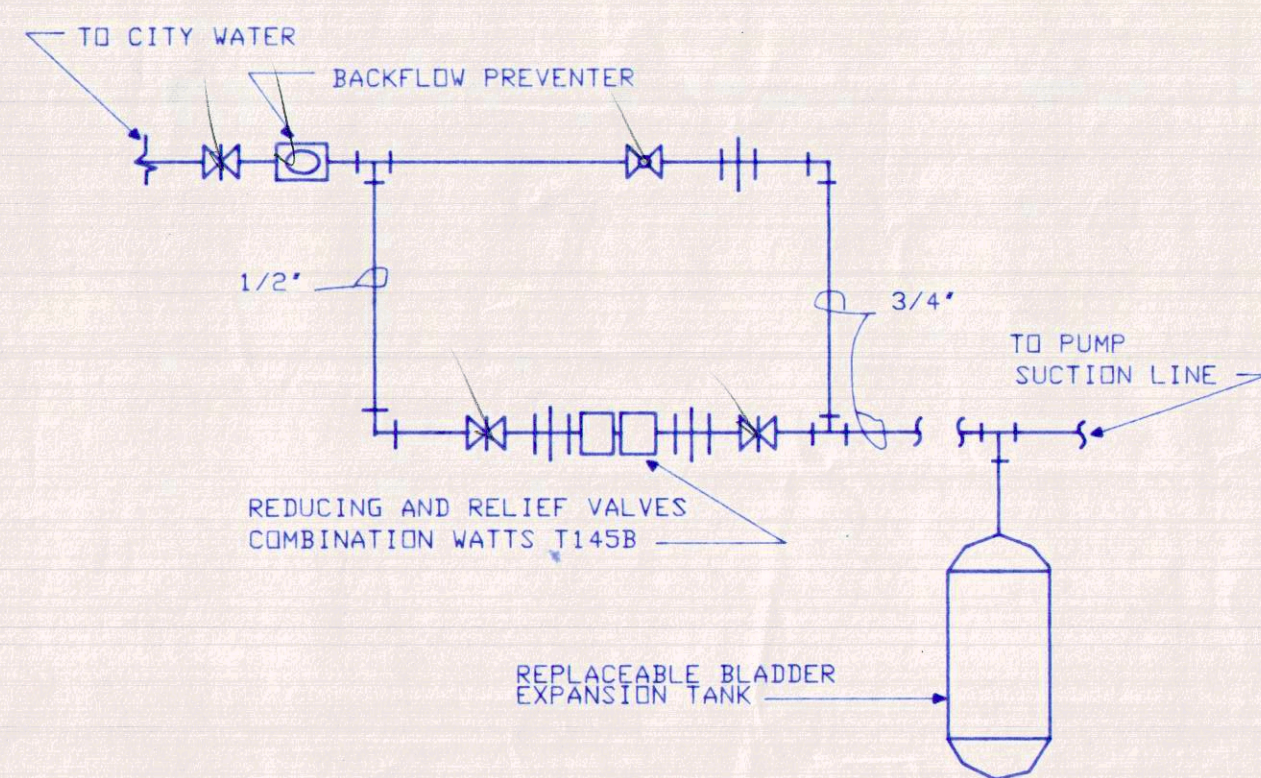
UNDERGROUND CHILLED WATER LINES
 NO SCALE



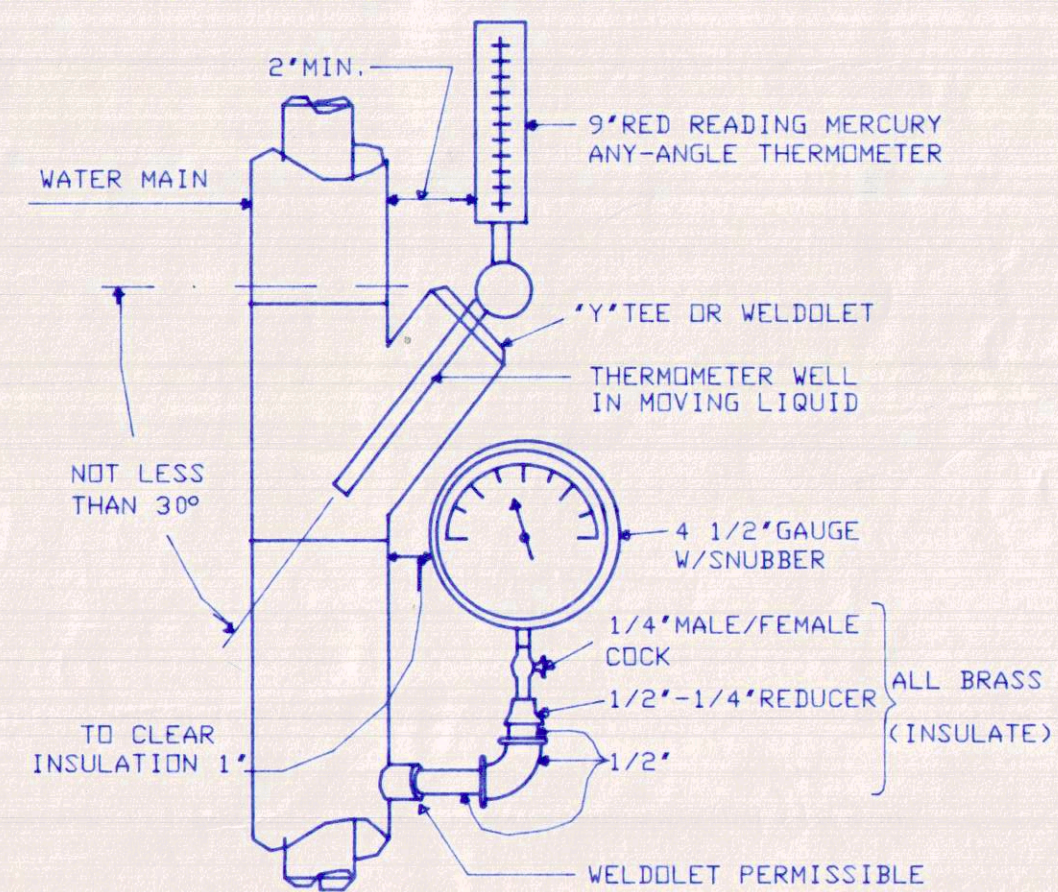
LINEAR SLOT DIFFUSER
 NOT TO SCALE



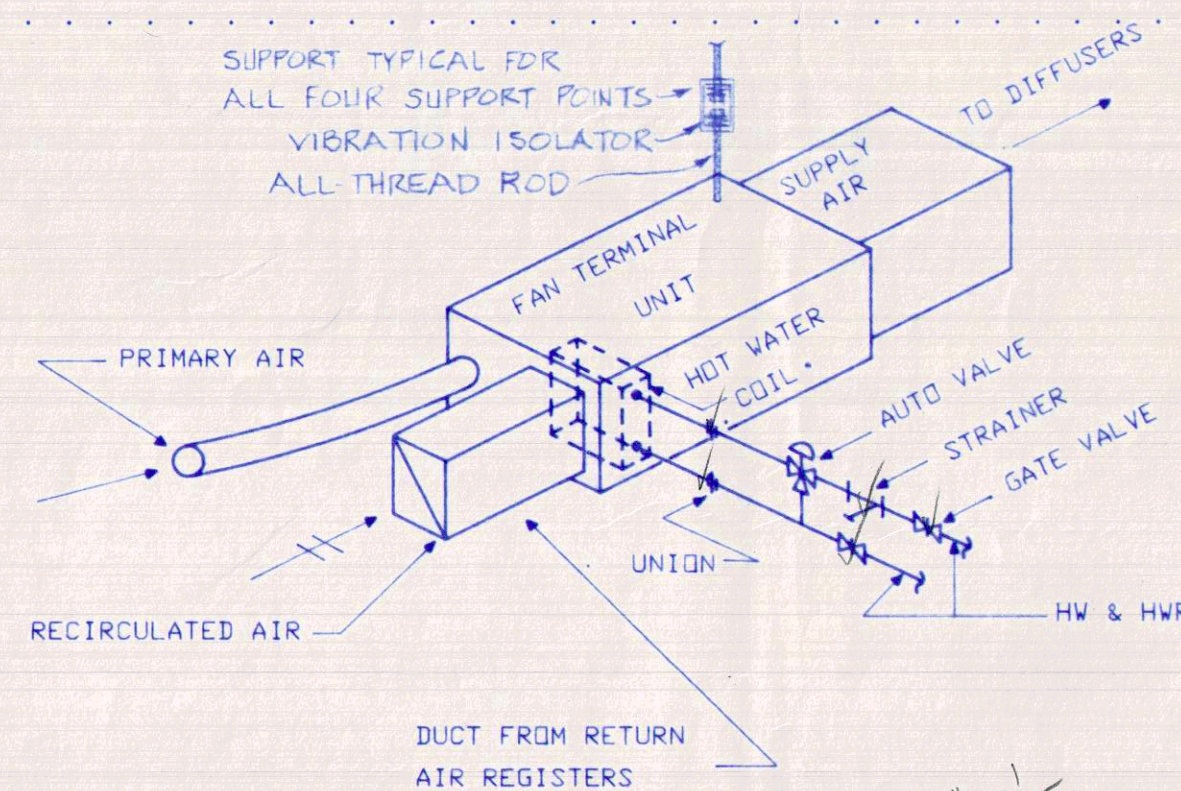
FIRE DAMPER
 NOT TO SCALE



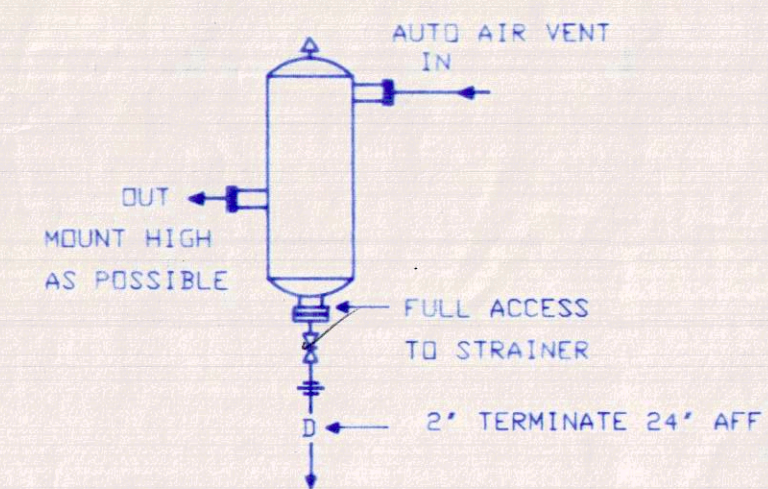
WATER MAKE-UP SYSTEM
 NO SCALE



THERMOMETER & GAUGE DETAILS
 NO SCALE



FAN TERMINAL UNIT DETAIL
 NOT TO SCALE



SEPARATOR TANK PIPING DIAGRAM
 NOT TO SCALE (TANGENTIAL TYPE)

AIR CONDITIONING UNIT SCHEDULE															
AHU		FAN		COOLING COIL				HEATING COIL				FILTER		MANUFACTURE INFO.	
UNIT NO.	LOCATION	OA	CFM	ESP	MIN.	ENT.	TEMP.	LVG.	TEMP.	COIL	GPM	ENT.	LVG.	COIL	GPM
NO.	RM. NO.	CFM	AIR	IN	HP	DB	WB	DB	WB	AREA	CFW 45F	AIR F	AIR F	AREA	HW 180°F
1	211	660	5760	4.06	7.5	77.2	64.9	57.3	55.5	11.5	26.0	66.6	70.5	11.5	7.0
2	212	680	6470	3.95	7.5	77.0	64.7	56.6	54.8	13.2	32.0	67.1	90.0	11.5	16.1
3	211	940	11460	3.68	15.0	76.6	64.3	54.9	54.3	22.9	57.0	68.1	78.2	20.4	12.4
4	212	720	7800	3.88	10.0	76.8	64.5	55.4	54.6	14.8	38.5	67.7	82.6	14.8	12.6
5	411	660	9280	3.99	10.0	76.4	63.9	53.4	53.0	17.3	49.5	68.7	93.6	17.3	25.0
6	412	995	10040	4.18	15.0	76.9	64.6	56.5	55.0	20.4	48.5	67.4	80.3	17.3	14.0
7	411	660	9280	3.99	10.0	76.4	63.9	51.1	50.9	17.3	51.2	68.7	96.1	17.3	27.5
8	412	995	10040	4.18	15.0	76.9	64.6	54.4	53.9	20.4	53.5	67.4	81.1	17.3	15.0
9	130	785	10330	4.22	15.0	76.5	64.1	56.5	54.9	20.4	47.0	68.5	79.6	17.3	12.4

- NOTES: 1. ALL UNITS SHALL BE CENTRAL STATION TYPE COMPLETE WITH SEPARATE COOLING AND HEATING COILS, MEDIUM PRESSURE FILTERS, INTERNAL ISOLATORS, EXTENDED LIFE TUBES, ETC.
2. COOLING COILS SHALL HAVE A MINIMUM OF 6 ROWS WITH MAXIMUM OF 8 FINS PER INCH.
3. HEATING COILS SHALL HAVE A MINIMUM OF 2 ROWS WITH MAXIMUM OF 8 FINS PER INCH.
4. PRESSURE DROP THRU WATER COILS SHALL NOT EXCEED 12 FT.

VARIABLE AIR VOLUME AIR TERMINAL UNITS				
FAN NUMBER	NOM. FAN CFM	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL
AHU-1				
1-A	720	8"	.08	23
1-B	505	7"	.05	21
1-C	410	6"	.02	22
1-D	645	7"	.07	22
1-E	500	7"	.05	21
1-F	655	8"	.07	22
1-G	255	5"	.01	18
AHU-2				
1-H	420	6"	.02	22
1-I	330	5"	.01	25
1-J	490	7"	.05	25
1-K	500	7"	.05	25
1-L	320	5"	.01	25
1-M	450	6"	.02	23
1-N	375	6"	.02	21
1-O	1140	10"	.13	23
1-P	1485	12"	.15	23
1-R	1330	12"	.13	21
EQUAL TO TEMPMASER TYPE S-7 (HSW-7)				

VARIABLE AIR VOLUME AIR TERMINAL UNITS				
FAN NUMBER	NOM. FAN CFM	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL
2-A	690	8"	.08	23
2-B	680	8"	.08	23
2-C	1420	12"	.15	24
2-D	560	7"	.05	22
2-E	640	7"	.06	26
2-F	1260	12"	.12	23
2-G	590	7"	.05	24
EQUAL TO TEMPMASER TYPE S-7 (HSW-7)				

VARIABLE AIR VOLUME AIR TERMINAL UNITS				
FAN NUMBER	NOM. FAN CFM	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL
3-A	430	6"	.02	26
3-B	750	8"	.09	23
3-C	440	6"	.02	23
3-D	410	6"	.02	22
3-E	310	5"	.01	25
3-F	980	10"	.13	24
3-G	410	6"	.02	22
3-H	1270	12"	.13	24
3-I	520	7"	.05	25
3-J	450	6"	.02	23
3-K	230	5"	.01	19
3-L	480	6"	.02	26
3-M	360	6"	.01	19
EQUAL TO TEMPMASER TYPE S-7 (HSW-7)				

LINEAR SLOT DIFFUSERS							
MARK NUMBER	NO. SLOTS	LENGTH INCHES	MAX. STATIC PRESSURE	MAX. N.C. LEVEL	MIN. INLET SIZE INCHES	DIRECTION OF BLOW	MIN/MAX CFM
A	1	24	.02	22		1	30/100
B	2	24	.02	23	SEE	1 OR 2	100/200
C	3	24	.03	24	BELOW	1	200/300
D	4	24	.03	25		1 OR 2	300/400
EQUAL TO TEMPMASER TYPE "TLD" WITH TERMINAL AND ACOUSTIC LINED PLENUM							
INLET SIZES: UP TO 100 CFM - 5" INLET							
100 TO 150 CFM - 6" INLET							
150 TO 250 CFM - 7" INLET							
250 TO 325 CFM - 8" INLET							
325 TO 400 CFM - 9" INLET							

VENTILATION FAN SCHEDULE									
FAN NUMBER	FAN LOCATION	AIR CFM	APPROX. SP	MIN. HP	MAX. RPM	MAX. SONES	FAN TYPE	EQUAL TO GREENHECK NO.	CONTROL OR INTERLOCK INFORMATION
1	115, 116, 117, 126, 127	1410	0.5	1/4	860	8.9	CENTR., D.D.	G-170-C	AHU-9
2	146	170	0.3	76 WATTS	1030	3.0	CENTR., D.D.	SP-125	THERMOSTAT SET AT 85 F
3	2ND, 3RD, 4TH FLR.	2700	0.5	600 WATTS	1690*	8.3	CENTR., B.D.	BGF-208	AHU-5
4	NOT USED								
5	342	75	0.2	41 WATTS	1070	1.5	CENTR., D.D.	SP-115	AHU-5
* - SOLID STATE SPEED CONTROLLER - B.D. - BELT DRIVE D.D. - DIRECT DRIVE C - CENTRIFUGAL MOUNTED NEAR FAN, CONCEALED, FOR ADJUSTMENT BY TEST AND BALANCE ONLY.									

- NOTE: 1. FAN NO. 1 SHALL BE COMPLETE WITH PREFAB ROOF CURB, BACKDRAFT DAMPER, BIRDSCREEN, ALUMINUM HOUSING, DISCONNECT, ETC.
2. FANS 2 THRU 5 SHALL HAVE BACKDRAFT DAMPERS AND DISCONNECTS.

FAN TERMINAL UNITS						
FAN NUMBER	NOM. FAN CFM	MOTOR HP	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL	H.W. COIL IN UNIT GPM OF 180 WATER
1-1	1130	1/6	10"	.12	31	2.5
1-2	770	1/10	8"	.08	30	3.0
1-3	805	1/10	8"	.09	31	3.0
1-4	635	1/10	7"	.03	29	2.5
1-5	400	1/10	6"	.01	29	2.5
1-6	520	1/10	7"	.02	27	1.1
1-7	970	1/6	10"	.13	31	2.0
1-8	400	1/10	6"	.01	29	2.0
1-9	800	1/10	8"	.09	31	3.0
1-10	260	1/12	6"	.01	24	0.5
1-11	975	1/6	10"	.13	31	1.0
1-12	975	1/6	10"	.13	31	1.0
1-13	300	1/12	6"	.01	24	1.0
1-14	975	1/6	10"	.13	31	1.0
1-15	1690	1/3	14"	.16	28	3.0
EQUAL TO TEMPMASER TYPE HFB						

FAN TERMINAL UNITS						
FAN NUMBER	NOM. FAN CFM	MOTOR HP	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL	H.W. COIL IN UNIT GPM OF 180 WATER
2-1	2530	1/3	16"	.25	30	3.9
2-2	2100	1/3	16"	.18	28	3.1
2-3	1120	1/6	10"	.17	33	2.2
2-4	700	1/10	8"	.07	29	1.2
2-5	1020	1/6	10"	.15	31	1.7
2-6	1250	1/6	12"	.14	27	2.9
2-7	1030	1/6	10"	.15	31	1.8
2-8	870	1/6	10"	.09	28	2.1
2-9	1360	1/4	12"	.18	29	2.9
2-10	1450	1/4	12"	.19	30	2.9
EQUAL TO TEMPMASER TYPE HFB						

FAN TERMINAL UNITS						
FAN NUMBER	NOM. FAN CFM	MOTOR HP	SUPPLY INLET	STATIC PRESSURE	N.C. LEVEL	H.W. COIL IN UNIT GPM OF 180 WATER
3-1	1760	1/3	14"	.18	28	2.3
3-2	1710	1/3	14"	.18	28	4.8
3-3	2270	1/3	16"	.18	28	2.8
3-4	1200	1/6	12"	.13	27	2.7
3-5	680	1/10	8"	.06	27	2.0
3-6	1160	1/6	12"	.13	27	2.0
3-7	710	1/10	8"	.07	29	2.0
3-8	980	1/6	10"	.09	28	2.3
3-9	330	1/12	6"	.01	25	0.8
3-10	490	1/10	7"	.01	26	0.9
3-11	990	1/6	10"	.13	30	1.5
EQUAL TO TEMPMASER TYPE HFB						

✓ DEHUMIDIFIER - HERMETIC COMPRESSOR, ADJUSTABLE HUMIDISTAT CONTROL TO OPERATE UNIT AS NECESSARY, SEPARATE COMPRESSOR RELAY CONTROL, TWO-SPEED MOTOR, CAPABLE OF REMOVING 41 PINTS PER DAY, CONTINUOUS OR FAN CYCLING CONTROLS, 3/4" DRAIN CONNECTION, 5 YEAR WARRANTY ON SEALED SYSTEM, 115/1/60, 7.6 AMPS, 280 CFM. EQUAL TO DAYTON MODEL 31324.

✓ DUCT SILENCERS - SIMILAR AND EQUAL TO IAC TYPE ML, MAXIMUM STATIC PRESSURE DROP OF 0.15" H.O.

AHU	CFM	IAC MODEL
1	5470	3ML824
2	6470	3ML830
3	11460	3ML3630
4	7800	3ML836
5	9280	3ML3624
6	10040	3ML3624
7	9280	3ML3624
8	10040	3ML3624
9	10330	3ML3624

✓ BOILER - HOT WATER AGA CERTIFIED CAST IRON BOILER, ATMOSPHERIC BURNER NATURAL GAS-FIRED BOILER WITH A CAPACITY OF 1560 MBH INPUT AND 1263 MBH OUTPUT, FACTORY ASSEMBLED AND FACTORY FIRE TESTED, COLLECTOR HOOD DISCHARGE, COMPLETE WITH BOILER TRIM, FLAME SUPERVISOR, 100% PILOT SHUT-OFF, AUTOMATIC SPARK IGNITION, ELECTRICAL CONTROLS MOUNTED AND WIRED, SIMILAR AND EQUAL TO WEIL-MCLAIN MODEL LGB-13.

✓ VENTS - VENTS FROM GAS-FIRED EQUIPMENT SHALL BE DOUBLE WALL (STAINLESS STEEL AND ALUMINIZED STEEL) METAL PIPE AND FITTINGS FROM DRAFT DIAPHRAGM TO ROOF CAP, ALL BY SAME MANUFACTURER, SIMILAR AND EQUAL TO DURAVENT, AMCO, OR METALBESTOS. ALL FITTINGS, SPACERS, CLAMPS, SUPPORTS, ROOF FLASHING AND STORM COLLARS SHALL BE STANDARD CATALOG ITEMS. ROOF CAP SIMILAR AND EQUAL TO BREIDERT OR PENN OF ALUMINUM CONSTRUCTION.

✓ HOT WATER PUMP - BASE MOUNTED, END SUCTION, FLEXIBLE COUPLED, MECHANICAL SEAL, CAST-IRON, BRONZE TRIMMED, NON-OVERLOADING, 1750 RPM, 7.5 H.P. MOTOR, 142 GPM AT 90 FT. HEAD. SIMILAR AND EQUAL TO ALLIS-CHAMBERS 3 X 2.5 X 9 SERIES 2000.

✓ COMPUTER ROOM A.C. UNIT - SELF CONTAINED DUAL SOURCE COOLING FACTORY ASSEMBLED UNIT WITH DOWN-FLOW AIR DELIVERY, WITH ~~WATER COOLING COILS~~ **WATER COOLING COILS** WITH MINIMUM 22.2 G.P.M. FACE AREA, MINIMUM 4 ROWS DEEP, MAXIMUM 540 FPM FACE VELOCITY FOR 12000 CFM SUPPLY AIR, CHILLED WATER COIL SHALL BE CONTROLLED BY A 3-WAY MODULATING CONTROL VALVE, 7.5 H.P. FAN MOTOR, MINIMUM 0.5" ESP, CAPACITY OF 294.9 MBH TO TOTAL COOLING, 235.6 MBH SENSIBLE COOLING WHEN SUPPLIED WITH 59.5 GPM OF CHILLED WATER AT 44 F ENTERING WATER WITH

A 12 F TEMPERATURE RISE. ROOM CONDITIONS OF 75 FDB, 62.5 FWB AND AMBIENT AIR TEMPERATURE OF 95 FDB. FILTERS SHALL BE 60-65% EFFICIENT BASED ON ASHRAE 52-76 METHOD WITH 2" PREFILTERS. REHEAT SECTION SHALL BE 115 MBH CAPACITY ~~WITH 30 KW 3-STEP ELECTRIC HEATER~~ **WITH 30 KW 3-STEP ELECTRIC HEATER**. HUMIDIFIER SHALL HAVE A CAPACITY TO EVAPORATE 22.1 LB/HR WITH 9.6 KW INFRARED HEATER. SIMILAR AND EQUAL TO LIEBERT MODEL FUD-245A FOR DESIGN PURPOSE, WITH LIEBERT MODEL CPE-308C **OUTDOOR CONDENSER**, ALSO FURNISHED: SEVEN-DAY, 12" CHART, TEMPERATURE AND HUMIDITY RECORDER, ADJUSTABLE FLOOR STAND, AUTOFLUSH CONTROL SYSTEM, TWO LIQUID-TECT SENSORS, NON-LOCKING ELECTRIC DISCONNECT SWITCH, FIRE PROTECTION INTERLOCKS, CIRCUITRY SOFTWARE TO INTERFACE WITH OWNER'S EXISTING LIEBERT SITESCAN 50 SYSTEM, FACTORY INSTALLED SMOKE DETECTORS AND ELECTRONIC CONTROL DISPLAY SYSTEM.

✓ CHILLER - TOTAL CAPACITY OF 226 TONS TO COOL 465 GPM OF WATER FROM 56 F TO 44 F WITH 95 F AMBIENT AIR. FACTORY ASSEMBLED ONE-PIECE UNIT, AIR-COOLED LIQUID CHILLING PACKAGE, COMPLETELY CHARGED, FACTORY WIRED AND PIPED 8-STEP CAPACITY REDUCTION, MAXIMUM P.D. THRU COOLER - 15 FT., POOLING FACTOR OF 0.0005, VERTICAL AIR DISCHARGE, SIMILAR AND EQUAL TO CARRIER FLOTTRONIC 30GT225.

✓ CHILLED WATER PUMP - BASE MOUNTED, END SUCTION, FLEXIBLE COUPLED, MECHANICAL SEAL, CAST-IRON BASE, NON-OVERLOADING MOTOR, BRONZE FITTED, 1750 RPM, 20 H.P. MOTOR, 465 GPM AT 110 FT. HEAD. SIMILAR AND EQUAL TO ALLIS-CHAMBERS 4 X 4 X 11 SERIES 2000.

✓ AIR SEPARATOR - TANGENTIAL TYPE, HOT WATER SYSTEM SIMILAR AND EQUAL TO B&G MODEL R-3, CHILLED WATER SYSTEM SIMILAR AND EQUAL TO B&G MODEL R-5.

✓ HEAT TAPE - ALL CHILLED WATER PIPING EXPOSED TO OUTSIDE TEMPERATURE SHALL BE WRAPPED WITH A MINIMUM OF 3 WATTS PER LINEAR FOOT UNDER PIPE INSULATION FOR FREEZE PROTECTION. THERMOSTAT SET AT 35 F.

✓ EXPANSION TANKS - HOT WATER SYSTEM - 24 GALLON ACCEPTANCE, CHILLED WATER SYSTEM - 31 GALLON ACCEPTANCE, EACH TANK SHALL HAVE ASME LABEL, WITH FULL REPLACEABLE BLADDER. SIMILAR AND EQUAL TO TACO MODEL "CA".

✓ GRAVITY VENTS - FOR COMBUSTION AIR TO BOILER, AND ELEVATOR SHAFT VENT. ALUMINUM CONSTRUCTION, WITH ALUMINUM BIRDSCREEN AND PREFAB ROOF CURBS. SEE DRAWINGS FOR SIZE.

DATE
9-5-91

REVISIONS

FLORIDA

PROFESSIONAL ENGINEER

10000

10000

SEAL

10000

10000

NORMAN GROSS & ASSOCIATES

architecture-planning-design

423 West Beach Drive
Panama City, Florida 32402

SMITH
BOZARTH
FULLER

Architects & Planners, P.A.

442a Grace Avenue
Panama City, Florida

SHEET TITLE
PHASE III DOCUMENTS

BAY COUNTY SCHOOL BOARD
ADMINISTRATIVE OFFICE BUILDING

Florida
Panama City, Florida

DRAWN BY
RJR

CHECKED BY
KLB

PROJECT NUMBER
9020

DEVELOPMENT NUMBER

SHEET NO.
M 11