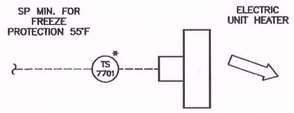
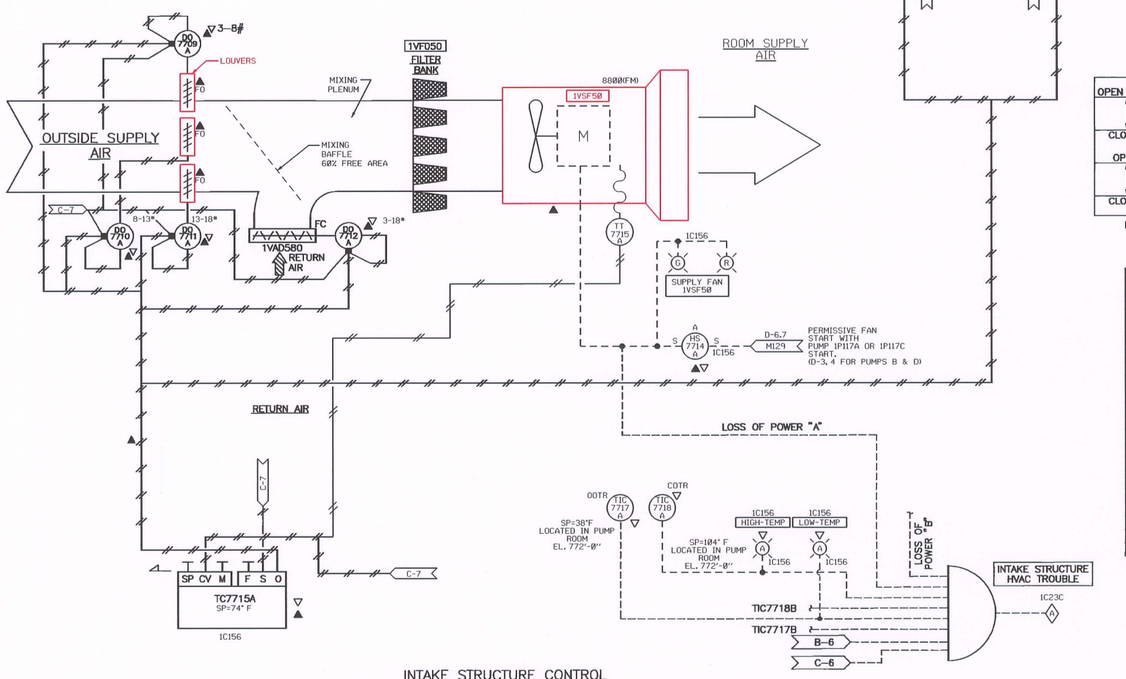
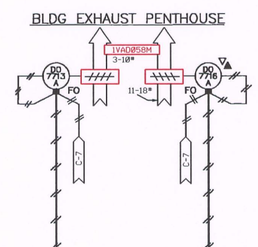
UNIT NO.	TS	LOCATION	
		COL	ELEV
1VUH052A	7701	C&4	767'-0"
1VUH052B	7702	A&4	" "
1VUH052C	7703	B,C,&2	" "
1VUH052D	7704	A,B,&2	" "
1VUH052E	7705	C&5	754'-0"
1VUH052F	7706	A&5	" "
1VUH052G	7707	B,C,&2	" "
1VUH052H	7708	A,B,&2	" "

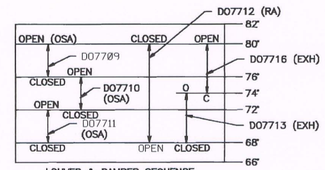


INTAKE STRUCTURE UNIT HEATERS



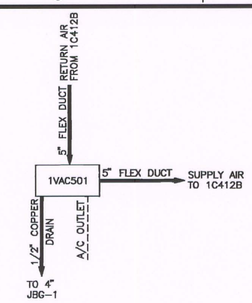
INTAKE STRUCTURE CONTROL DIAGRAM FOR SYSTEM "A"
(SYSTEM "B" IDENTICAL – SEE SYSTEM SCHEDULE)



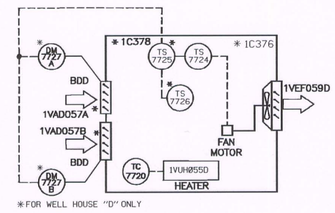


LOUVER & DAMPER SEQUENCE

SYSTEM SCHEDULE	
"A"	"B"
1VSF050	1VSF051
1C156	1C157
DO7709A	DO7709B
DO7710A	DO7710B
DO7711A	DO7711B
DO7712A	DO7712B
DO7713A	DO7713B
TT7715A	TT7715B
TC7715A	TC7715B
DO7716A	DO7716B
TIC7717A	TIC7717B
TIC7718A	TIC7718B
1VF050	1VF051
1P117A	1P117B
1P117C	1P117D
1VAD058O	1VAD058P
1VAD058H	1VAD058N

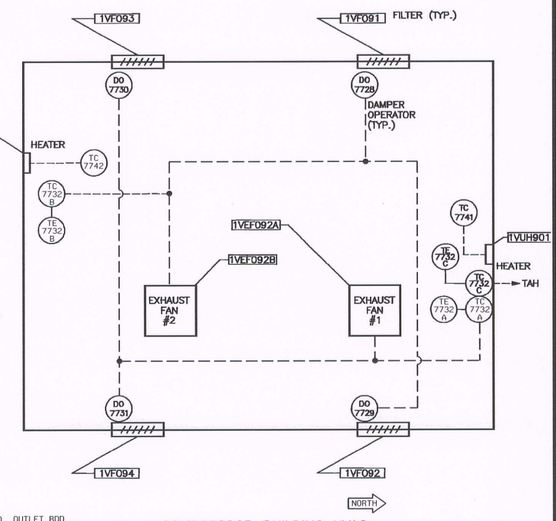


LOCAL AIR CONDITIONER FOR METEOROLOGICAL PANEL 1C412B



WELL HOUSE CONTROL DIAGRAM FOR WELL HOUSE "D"
(SEE TABLE FOR WELL HOUSE A,B,C & D)

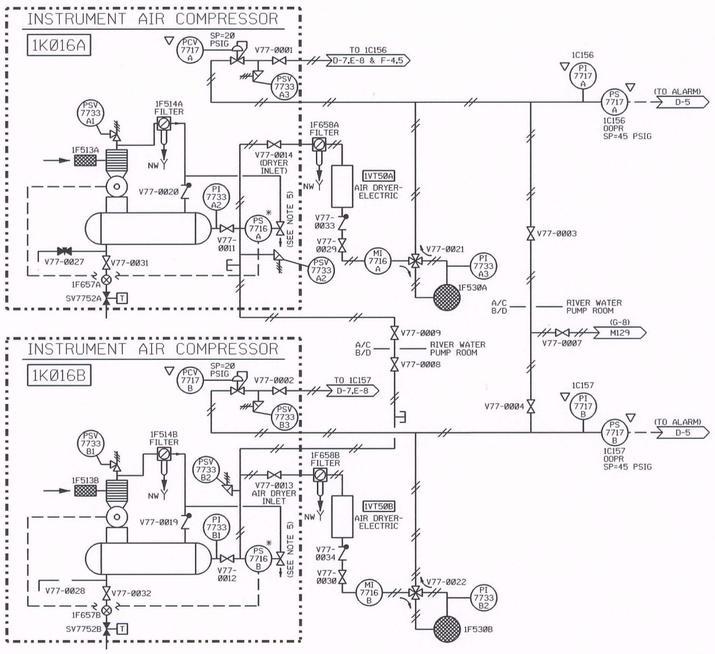
	TC	TS	TS	HTR	COOLING FAN	TS	INLET BDD	OUTLET BDD
WELL HOUSE A	TC7720A	—	TS9905A	1VUH055A	1VEF059A	—	1VAD060A	1VAD059A
B	TC7720B	—	TS9905B	1VUH055B	1VEF059B	—	1VAD060B	1VAD059B
C	TC7720C	—	TS9905C	1VUH055C	1VEF059C	—	1VAD060C	1VAD059C
D	TC7720	TS7726	TS7724	1VUH055D	1VEF059D	TS7725	1VAD057A/B	1VAD059D



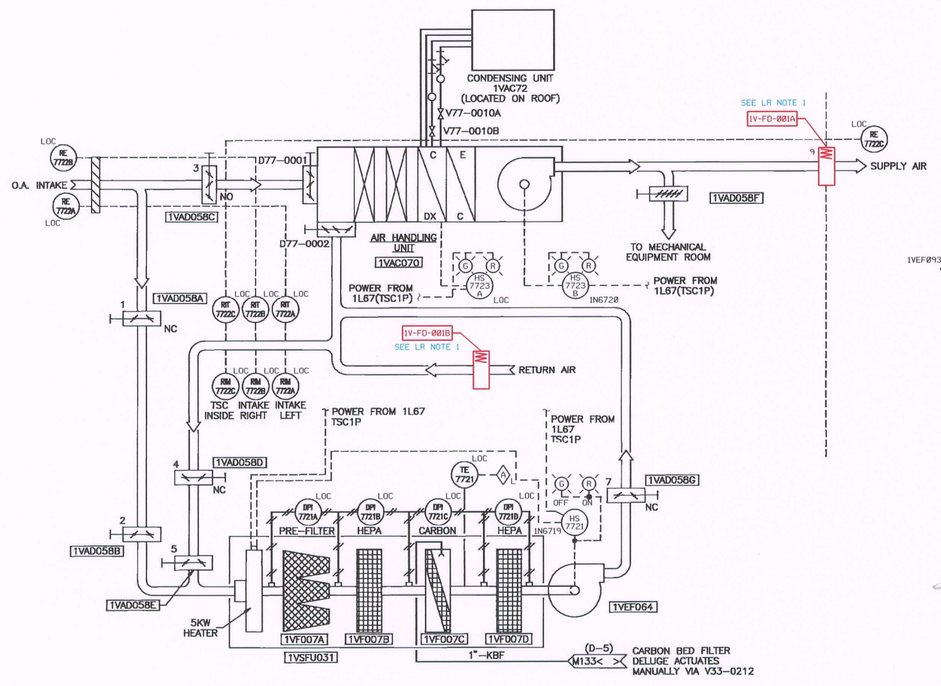
COMPRESSOR BUILDING HVAC CONTROL DIAGRAM

NOTES

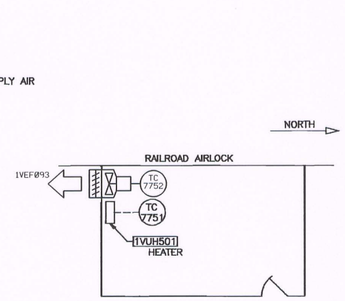
1. ALL DAMPER MOTORS MUST BE SPRING RETURN TO FAIL POSITIONS.
2. FOR SYMBOLS & ABBREVIATIONS NOT ON THIS SHEET SEE M179.
3. ▲SEISMIC CLASS 1 & QA.
4. ▽SUPPLIED BY H.V.A.C. INSTRUMENT SUBCONTRACTOR
5. TO EASE THE STARTING OF COMPRESSORS 1K016A AND 1K016B, PRESSURE SWITCHES PS7716A AND PS7716B (SQUARE D MODEL NO. 9013-GHG-2) ARE EACH EQUIPPED WITH A PRESSURE RELEASE VALVE. WHEN A PRESSURE SWITCH OPENS, STOPPING A COMPRESSOR, THE RELEASE VALVE ALSO OPENS TO EXHAUST HIGH-PRESSURE AIR TRAPPED UPSTREAM OF THE CHECK VALVE, V77-0020 (1K016A) AND V77-0019 (1K016B). THE COMPRESSOR IS THEN FREE TO START AGAINST NO LOAD. (REF. VENDOR MANUAL S345SQD).



INSTRUMENT AIR SUPPLY



P & ID T.S.C. BUILDING HVAC SYSTEM



BREATHING AIR BUILDING

D-096

NO.	DATE	REVISION	DRFTR.	CHKD.	ENGR.	LEAD
0	9/9/08	INITIAL RELEASE	KB	JVS	TH	CLB

D.A.E.C.
DUANE ARNOLD ENERGY CENTER
PALO, IA

P. & I.D.
INTAKE STRUCTURE, TSC, COMPRESSOR BLDG, H&V, BREATHING AIR BLDG. COMPRESSOR DIAG.

Scale: NONE | Dwg. No. BECH-M177-LR | Rev. 0

LR NOTES:
1. FIRE DAMPERS (FD) ARE EVALUATED IN 13.01 FIRE PROTECTION.

LR LEGEND:
- COMPONENTS IN SCOPE PER 10CFR54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(a)(2) AND SUBJECT TO AMR PER 54.21
- SYSTEM BOUNDARY INTERFACE
  - 10.03 PLANT VENTILATION
  - 13.01 FIRE PROTECTION

BASE P&ID REV 44