

SIZE	DWG NO	SH	REV
	154M2621	1	-
REV	DESCRIPTION	DATE	APPROVED
-	500000390823 INITIAL RELEASE	JANICE ARNOLD 2021-01-20	IVAN HANSEN

SOLENOID VALVES

TEMP. SWITCHES

PRESS. SWITCHES

SYMBOL	DESCRIPTION	NORMAL VALVE POSITION AT NO ELECTRICAL INPUT	SYMBOL	DESCRIPTION	TEMP. SETTINGS		NORM. CONTACT CONDITION AT ATM. INPUT	SYMBOL	DESCRIPTION	PRESS. SETTINGS		NORM. CONTACT CONDITION AT ATM. INPUT
					°F OPENS	°F CLOSES				PSIG OPENS	PSIG CLOSES	
20CF	FUEL CLUTCH SOLENOID VALVE	N.O.	26QB-1	HI #1 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	26EA-1	HI EXHAUST TEMP ALARM (RIGHT) (LEFT)	MAX. DIFF. = 1.0	12.5 ± 2	N.C. + O.E.S.
20CS	STARTING CLUTCH SOLENOID VALVE	N.O.	26QB-2	HI #2 BRG. DRAIN TEMP ALARM	*	180 ± 1	N.O. S.P.	26EA-2	HI EXHAUST TEMP. ALARM (LEFT) (RIGHT)	MAX. DIFF. = 1.0	12.5 ± 2	N.C. + O.E.S.
			26QB-T2	HI #2 THR. BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	26ET-1	HI EXHAUST TEMP. TRIP (RIGHT) (LEFT)	11.0 ± 2	MAX. DIFF. = 1.0	N.O. + C.E.S.
			26QB-3	HI #3 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	26ET-2	HI EXHAUST TEMP. TRIP (LEFT) (RIGHT)	11.0 ± 2	MAX. DIFF. = 1.0	N.O. + C.E.S.
			26QB-4	HI #4 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	63CD	COMPR. DISCH. PRESS. FLAME DET. LOCK-IN	50 ± 1	53 ± 1	N.O. + C.E.S.
			26QB-5	HI #5 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	63FG-1	GAS FUEL PRESS. UPSTREAM	153 ± 3	(168 ± 3)	N.O. + C.E.S.
			26QB-6	HI #6 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.					
			26QB-7	HI #7 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.					
			26QB-8	HI #8 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	63QA-1	LOW LUBE OIL PRESS. AUX. PUMP START	(160 ± 1)	145 ± 1	N.C. + O.E.S.
			26QB-9	HI #9 BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	63QL	LOW LUBE OIL PRESS. EMER. PUMP START	(9 ± 1)	6 ± 1	N.C. + C.E.S.
20CD	CONTROL SYSTEM DUMP SOLENOID VALVE	N.C. (3) N.O. (3)	26QB-T7	HI #7 THR. BRG. DRAIN TEMP. ALARM	*	180 ± 1	N.O. S.P.	63QN	NORMAL LUBE OIL PRESS. EMER. PUMP STOP	18 ± 1	(15 ± 1)	N.C. + O.E.S.
								63QT-1	LOW LUBE OIL PRESS. TRIP	18 ± 1	(11 ± 1)	N.O. + C.E.S.

MISCELLANEOUS

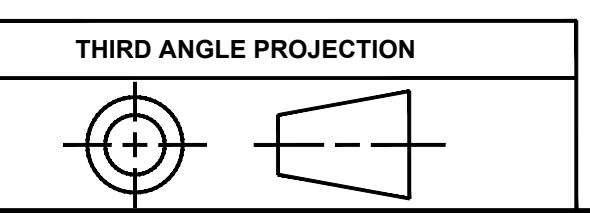
ABBREVIATIONS

12T	OVERSPEED ALARM & TRIP SWITCH	SEE CONT. SPEC.	N.O./N.C.E.S.
71QH	HI LUBE OIL LEVEL ALARM	44" BELOW TOP	N.O. S.P.
71QL	LOW LUBE OIL LEVEL ALARM	53" BELOW TOP	N.C. S.P.
84FG	SEE CONTROL SPECS.		
28FD-12	FLAME DETECTOR COMBUSTION CH. #12	} REUTER STOKES SIC 2 WIRE FLAME DETECTOR	
28FD-13	FLAME DETECTOR COMBUSTION CH. #13		

S.P.	SINGLE POLE
O.E.S.	OPEN ELECTRICALLY SEPARATE
O.E.C.	OPEN ELECTRICALLY COMMON
C.E.S.	CLOSED ELECTRICALLY SEPARATE
C.E.C.	CLOSED ELECTRICALLY COMMON
(3)	THREE WAY
N.T.	NORMALLY ON TEMP. CONTROL
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
N.A.	NOT ADJUSTABLE
*	DIFFERENTIAL NOT ADJUSTABLE (-1° - 3° ΔT)
S.P.	SINGLE POLE

TURBINE SN 127724
SEE DRAWING # 154M2621
FOR DEMOLITION DIAGRAM PER 1LO-150004896

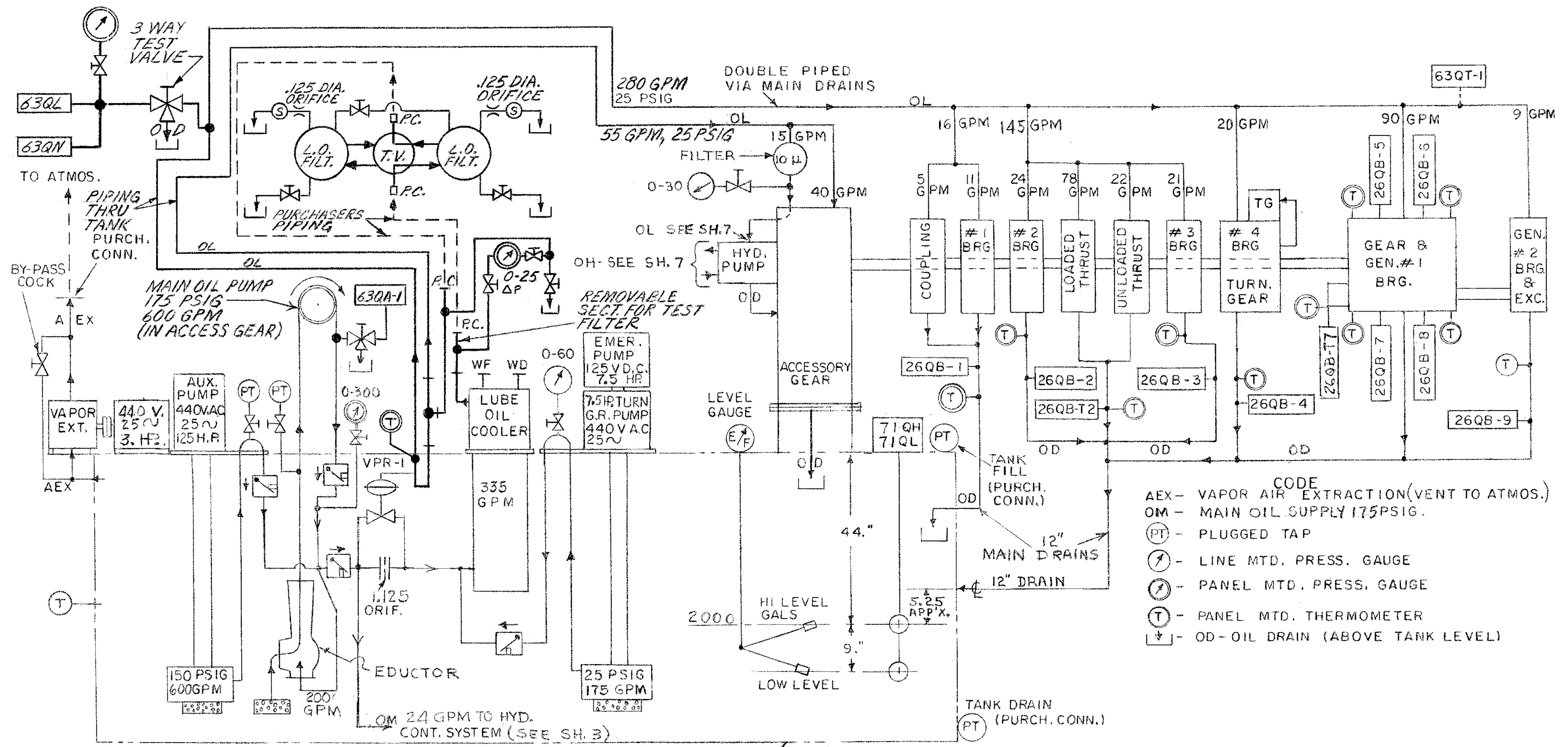
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL DECIMALS ± .030 3 PL DECIMALS ± .010 ANGLES ± 1° FRACTIONS ±	SIGNATURES	DATE	
	DRAWN	JANICE ARNOLD	
APPLIED PRACTICES 348A9200	CHECKED	BRENT DIETRICH	2021-01-20
	PROJ ENG	IVAN HANSEN	2021-01-20
	ISSUED	JANICE ARNOLD	2021-01-20
SIMILAR TO: 315B455		FMF: 1LO-150004896 SWB NOLA Carrollton US	
SCALE: NONE		SHEET 1 OF 8	

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A



CODE (CON'T.)
 OH - HYDRAULIC OIL
 (T) LINE MTD. THERMOMETER VALVE SETTING
 VPR-1 OL PRESS REG VALVE VPR-1 25 PSIG
 OL - MAIN LUBE OIL
 WD - COOLING WATER DRAIN
 WF - COOLING WATER FEED
 SEE SH.1 FOR TEMP. SW. SETTINGS

CODE
 AEX - VAPOR AIR EXTRACTION (VENT TO ATMOS.)
 OM - MAIN OIL SUPPLY 175 PSIG.
 (PT) - PLUGGED TAP
 (T) - LINE MTD. PRESS. GAUGE
 (T) - PANEL MTD. PRESS. GAUGE
 (T) - PANEL MTD. THERMOMETER
 (OD) - OIL DRAIN (ABOVE TANK LEVEL)

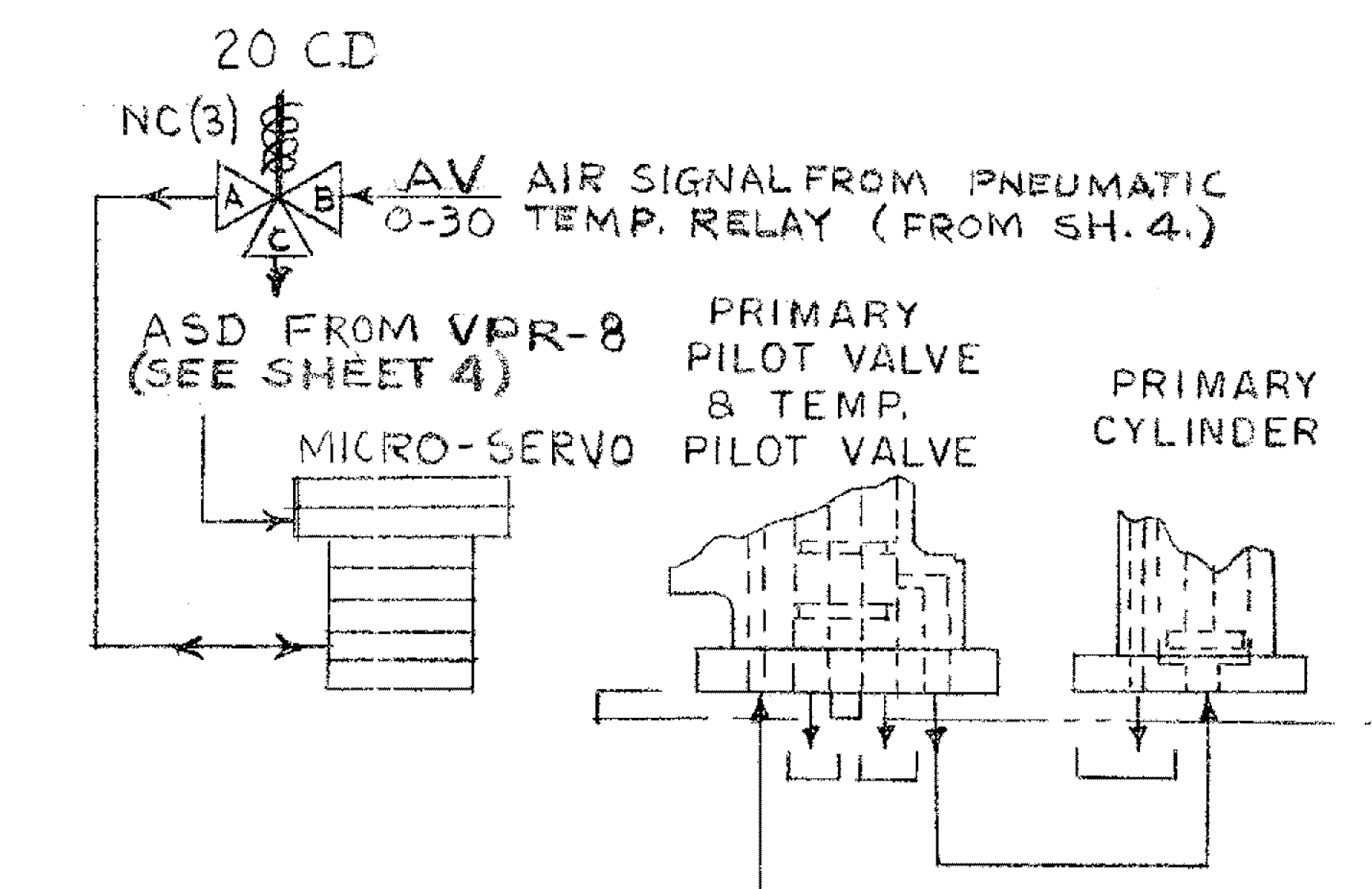
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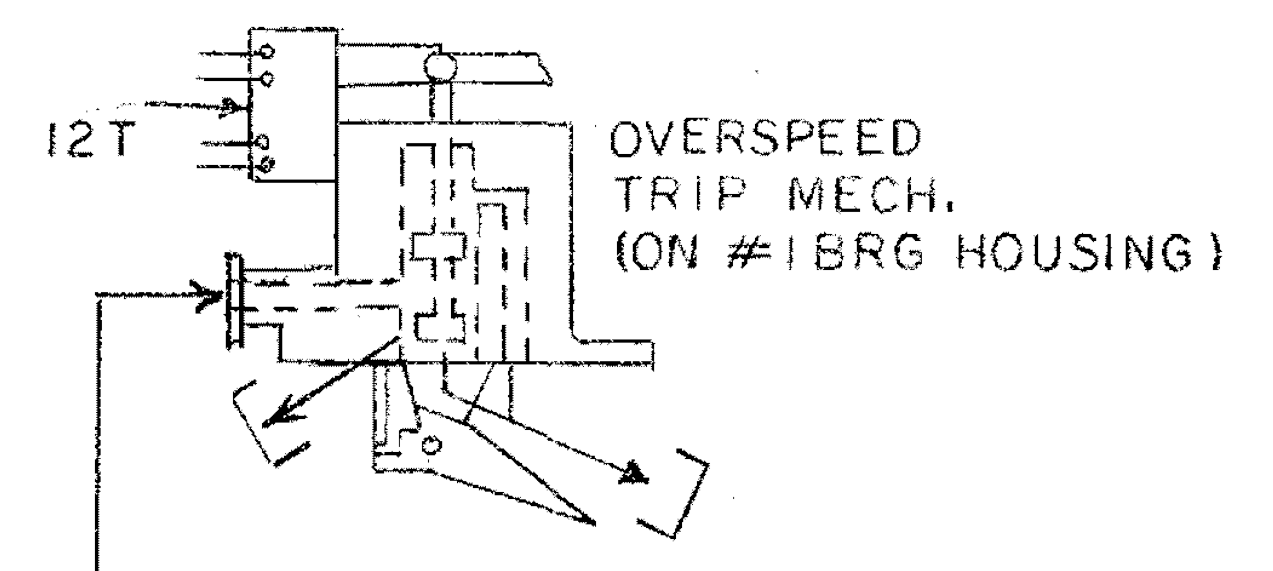
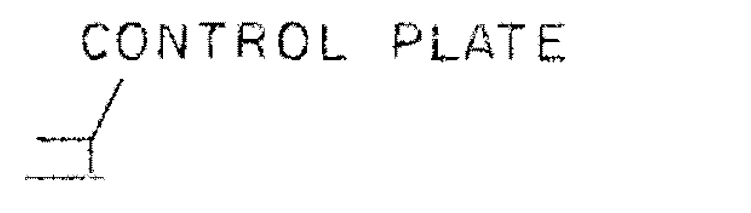
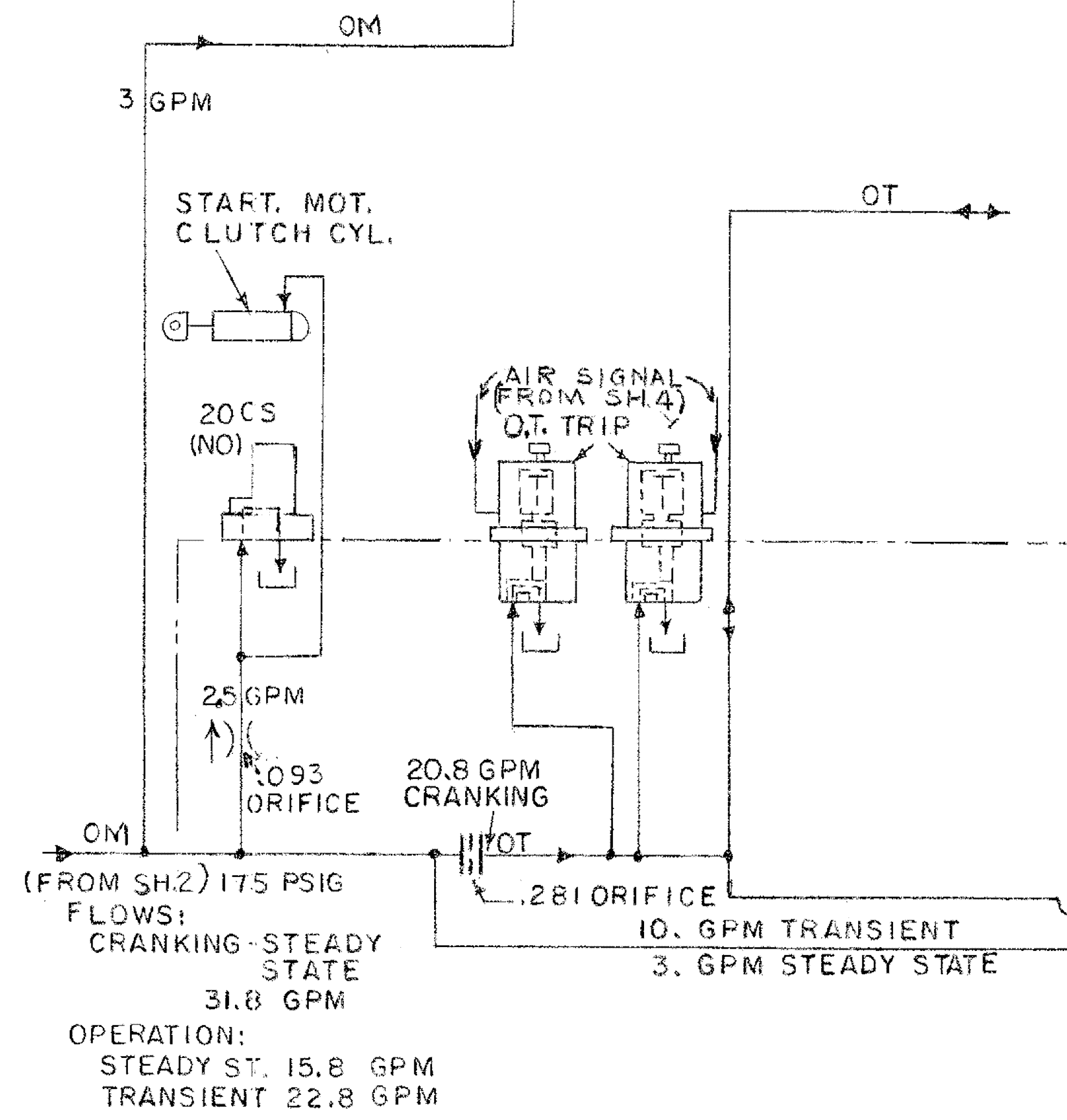
Nexus Controls		SIZE	CAGE CODE	DWG NO
D 1SW31		154M2621		2 OF 8
ISSUED	JANICE ARNOLD	2021-01-20	SCALE: NONE	SHEET

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D
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- CODE
- AV - VARIABLE AIR SIGNAL (FROM SHEET 4)
 - OM - MAIN OIL SUPPLY (FROM SHEET 2)
 - OT - TRIP CIRCUIT OIL
 - LINE MTD PRESS. GAUGE
 - OIL DRAIN ABOVE TANK OIL LEVEL
 - ORIFICE CHECK VALVE
 - (ARROW INDICATES FLOW WHICH OPENS)
 - ORIFICE (PLATE)
 - ORIFICE (TUBE)



SEE SHEET 1 FOR SOL. VALVES & SWITCHES

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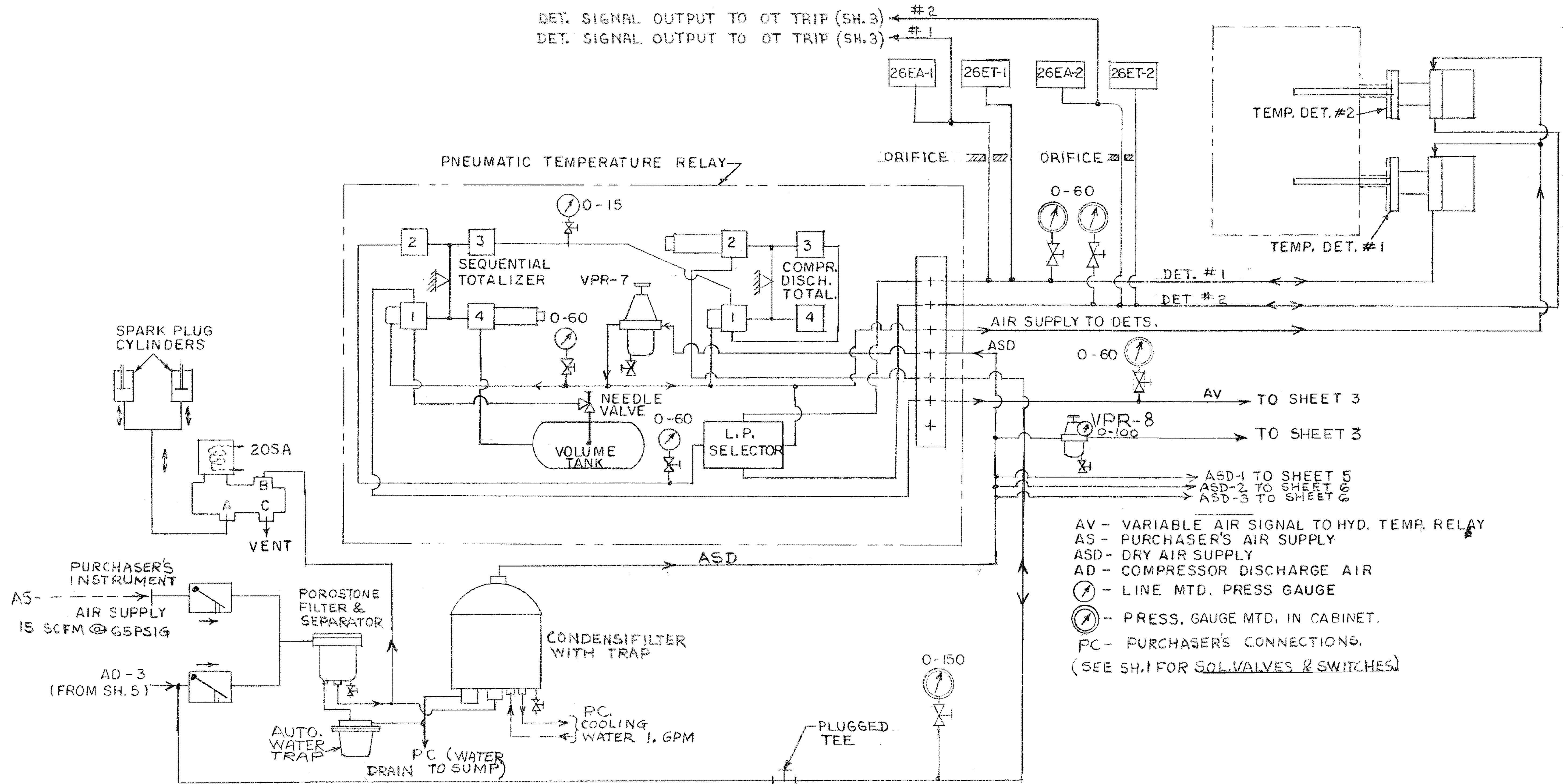
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		SIZE D	CAGE CODE 1SW31	DWG NO 154M2621
DRAWN JANICE ARNOLD	2021-01-20	SCALE: NONE		SHEET 3 OF 8
ISSUED JANICE ARNOLD	2021-01-20	PROJ.		

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D
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B
A

DET. SIGNAL OUTPUT TO OT TRIP (SH.3) #2
DET. SIGNAL OUTPUT TO OT TRIP (SH.3) #1



AV - VARIABLE AIR SIGNAL TO HYD. TEMP. RELAY
AS - PURCHASER'S AIR SUPPLY
ASD - DRY AIR SUPPLY
AD - COMPRESSOR DISCHARGE AIR
PG - LINE MTD. PRESS GAUGE
PG - PRESS. GAUGE MTD. IN CABINET.
PC - PURCHASER'S CONNECTIONS.
(SEE SH.1 FOR SOL. VALVES & SWITCHES)

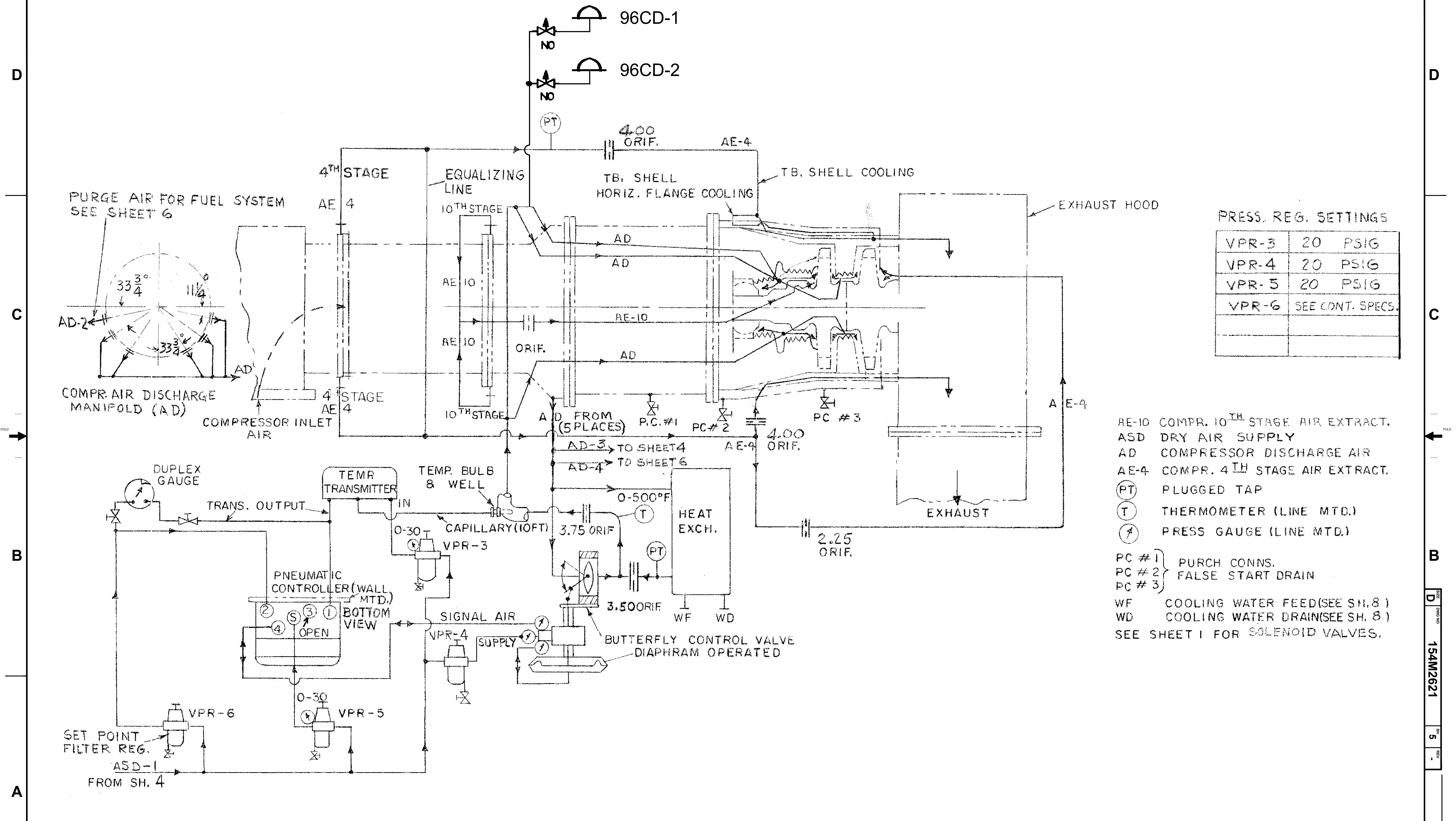
PRESS. REGULATOR SETTING

VPR-7	32 ± 5 PSIG
VPR-8	62 ± 5 PSIG

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	D	1SW31	154M2621
DRAWN	JANICE ARNOLD	2021-01-20	
ISSUED	JANICE ARNOLD	2021-01-20	
SCALE	NONE		SHEET 4 OF 8



PRESS. REG. SETTINGS

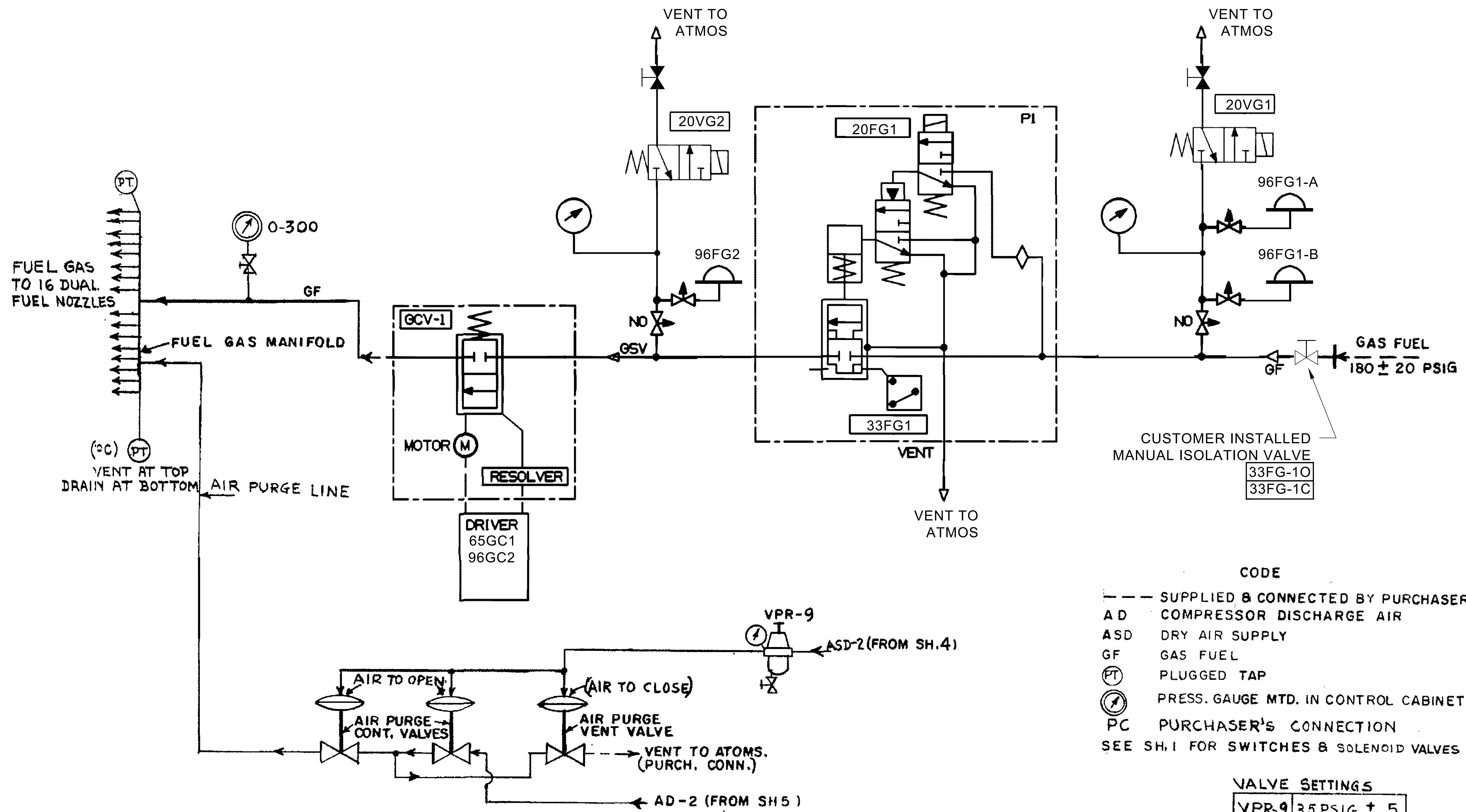
VPR-3	20 PSIG
VPR-4	20 PSIG
VPR-5	20 PSIG
VPR-6	SEE CONT. SPECS.

AE-10 COMPR. 10TH STAGE AIR EXTRACT.
 ASD DRY AIR SUPPLY
 AD COMPRESSOR DISCHARGE AIR
 AE-4 COMPR. 4TH STAGE AIR EXTRACT.
 (PT) PLUGGED TAP
 (T) THERMOMETER (LINE MTD.)
 (PG) PRESS GAUGE (LINE MTD.)
 PC #1 } PURCH CONNS.
 PC #2 } FALSE START DRAIN
 PC #3 }
 WF COOLING WATER FEED(SEE SH. 8)
 WD COOLING WATER DRAIN(SEE SH. 8)
 SEE SHEET 1 FOR SOLENOID VALVES.

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DRAWN	JANICE ARNOLD	2021-01-20	
ISSUED	JANICE ARNOLD	2021-01-20	
SCALE	NONE	SHEET	5 OF 8



CUSTOMER INSTALLED
 MANUAL ISOLATION VALVE
 33FG-10
 33FG-1C

- CODE**
- SUPPLIED & CONNECTED BY PURCHASER
 - AD COMPRESSOR DISCHARGE AIR
 - ASD DRY AIR SUPPLY
 - GF GAS FUEL
 - PT PLUGGED TAP
 - ⊙ PRESS. GAUGE MTD. IN CONTROL CABINET
 - PC PURCHASER'S CONNECTION
- SEE SH.1 FOR SWITCHES & SOLENOID VALVES

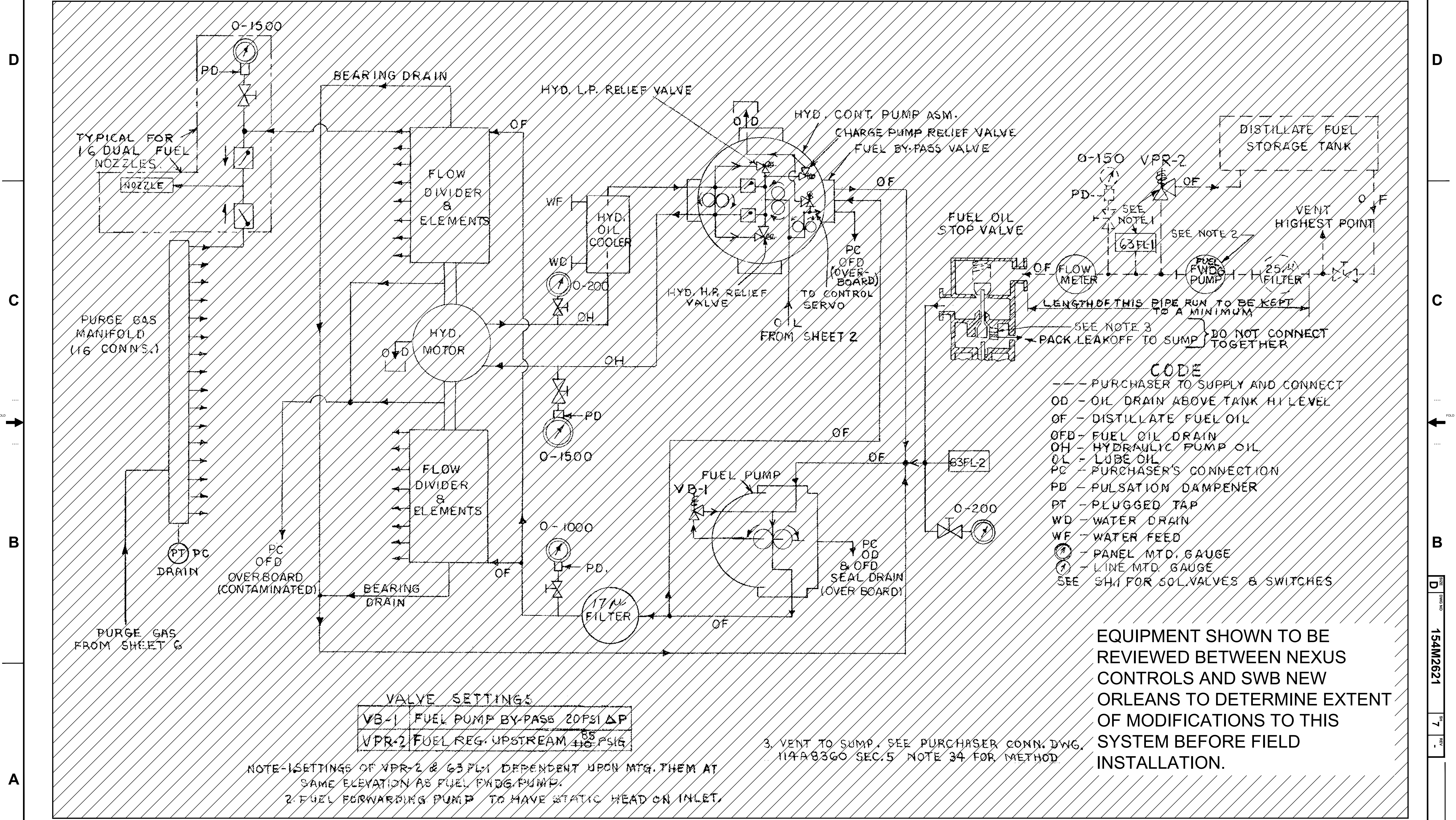
VALVE SETTINGS

VPR-9	35 PSIG ± .5
VPR-10	20 PSIG ± .5

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	SIZE	CAGE CODE	DWG NO
	D 154M2621		154M2621
ISSUED	SCALE	SHEET	
JANICE ARNOLD	NONE	6 OF 8	



CODE

- PURCHASER TO SUPPLY AND CONNECT
- OD - OIL DRAIN ABOVE TANK HI LEVEL
- OF - DISTILLATE FUEL OIL
- OFD - FUEL OIL DRAIN
- OH - HYDRAULIC PUMP OIL
- OL - LUBE OIL
- PC - PURCHASER'S CONNECTION
- PD - PULSATION DAMPENER
- PT - PLUGGED TAP
- WD - WATER DRAIN
- WF - WATER FEED
- ⊗ - PANEL MTD. GAUGE
- ⊙ - LINE MTD. GAUGE
- SEE SH.1 FOR SOL VALVES & SWITCHES

VALVE SETTINGS

VB-1	FUEL PUMP BY-PASS	20PSI ΔP
VPR-2	FUEL REG. UPSTREAM	85 PSIG

NOTE-1 SETTINGS OF VPR-2 & 63FL-1 DEPENDENT UPON MFG. THEM AT SAME ELEVATION AS FUEL FWDG. PUMP.
 2. FUEL FORWARDING PUMP TO HAVE STATIC HEAD ON INLET.

3. VENT TO SUMP. SEE PURCHASER CONN. DWG. 114A8360 SEC.5 NOTE 34 FOR METHOD

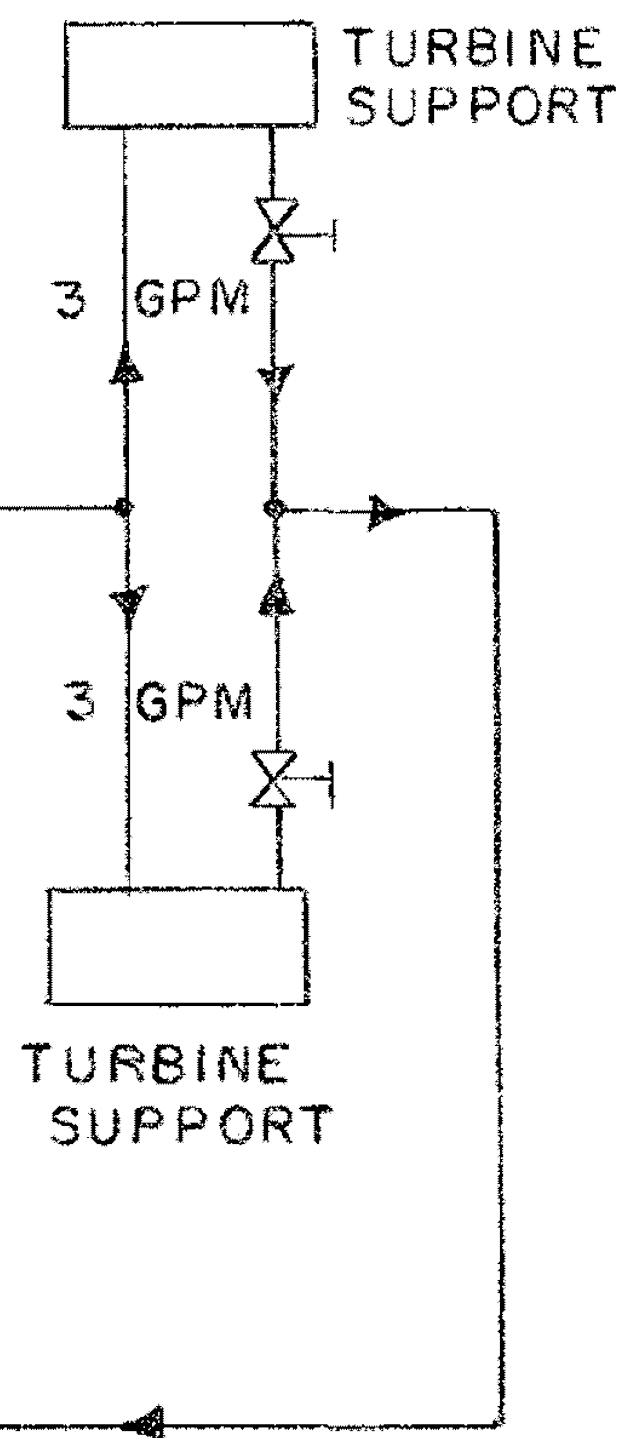
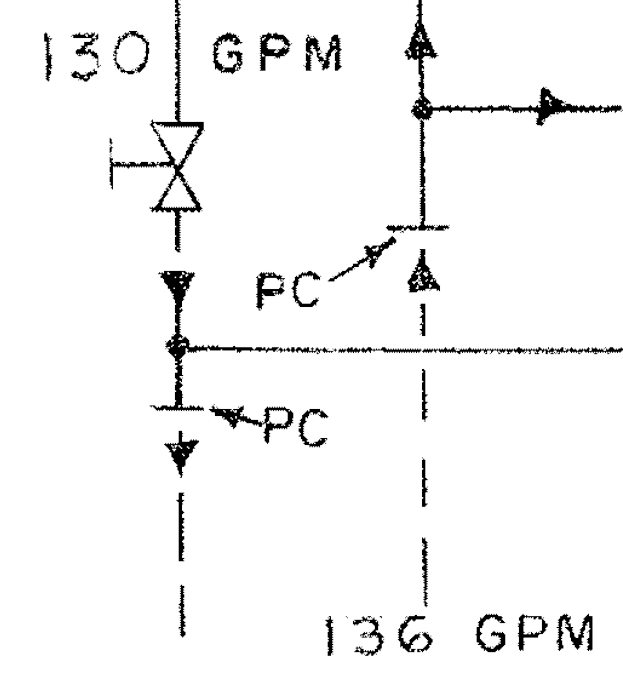
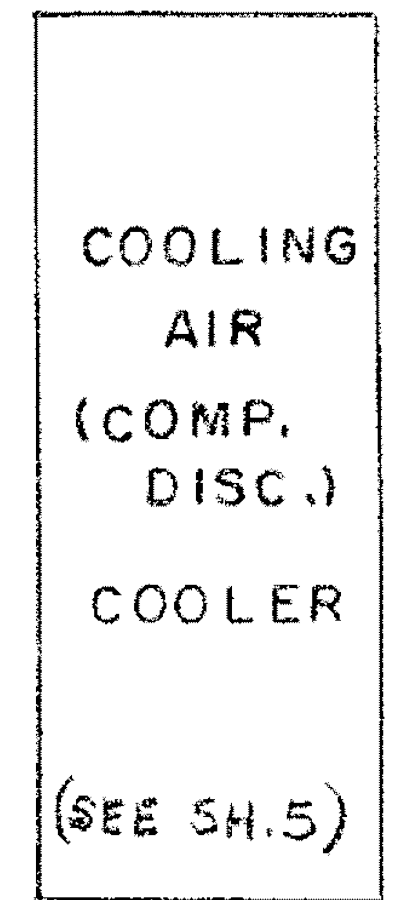
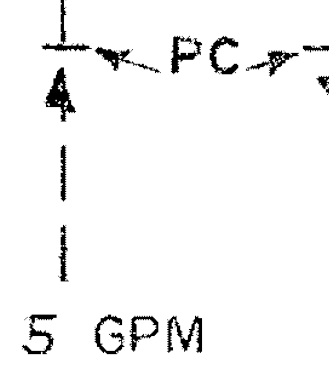
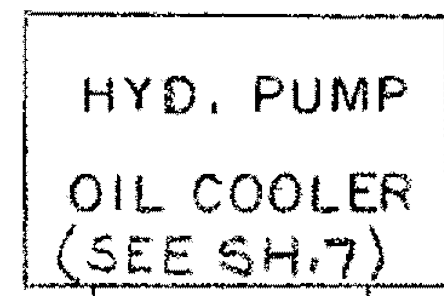
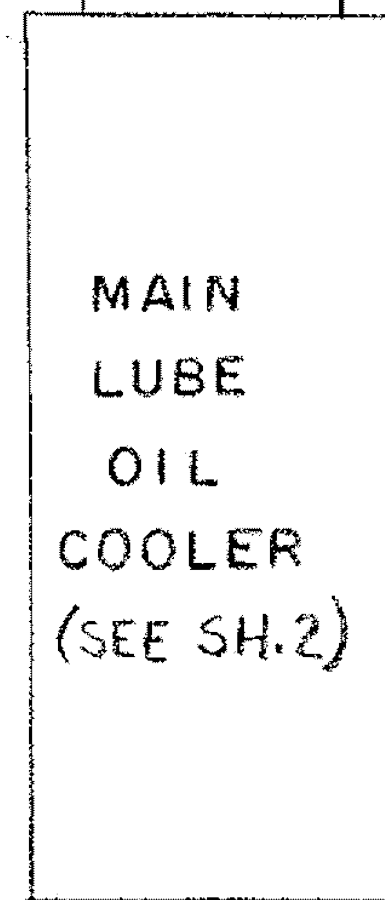
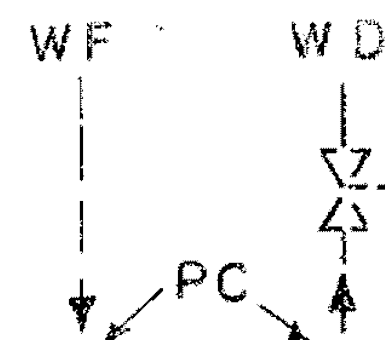
EQUIPMENT SHOWN TO BE REVIEWED BETWEEN NEXUS CONTROLS AND SWB NEW ORLEANS TO DETERMINE EXTENT OF MODIFICATIONS TO THIS SYSTEM BEFORE FIELD INSTALLATION.

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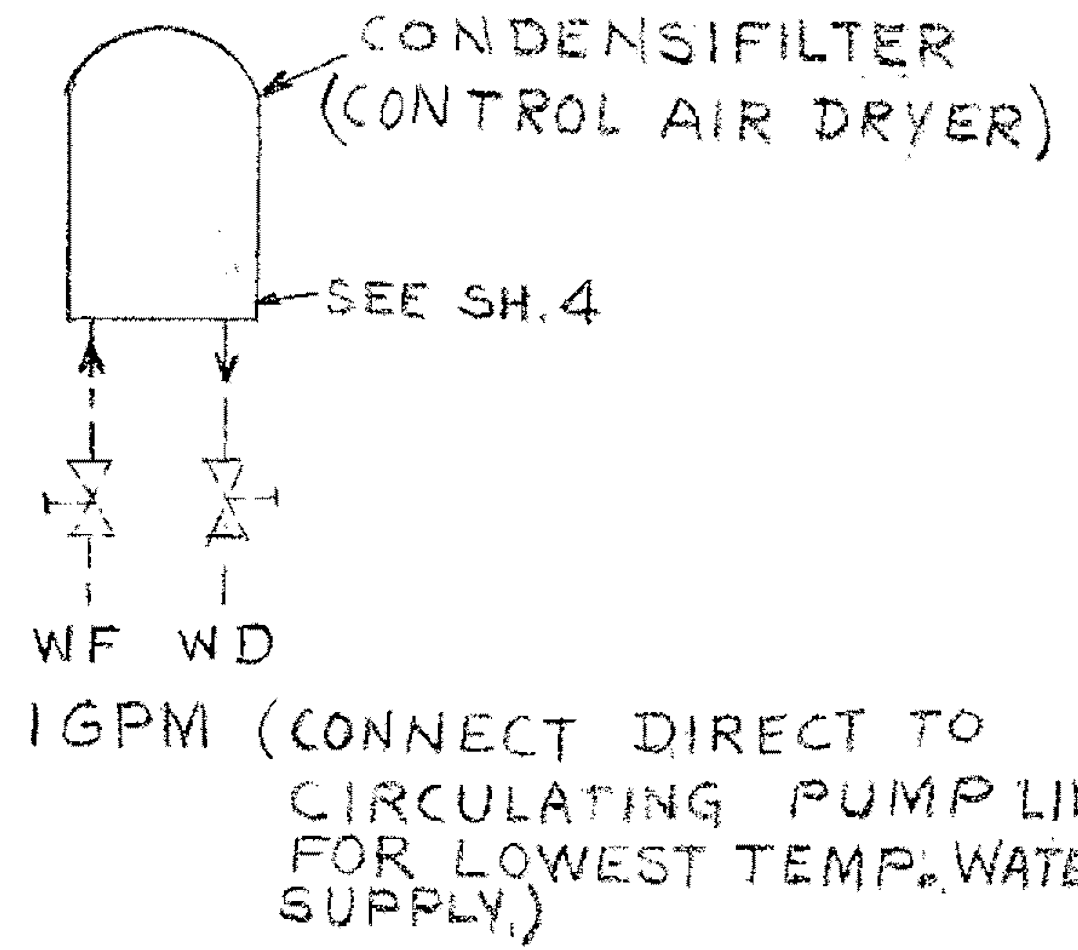
	SIZE	CAGE CODE	DWG NO
	D 1SW31		154M2621
DRAWN	JANICE ARNOLD	2021-01-20	
ISSUED	JANICE ARNOLD	2021-01-20	
SCALE:	NONE		SHEET 7 OF 8

560 GPM



CODE

- PC PURCHASER'S CONNECTION
- WD COOLING WATER DRAIN
- WF COOLING WATER FEED
- SUPPLIED & CONNECTED BY PURCHASER



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		SIZE D	CAGE CODE 1SW31	DWG NO 154M2621
DRAWN JANICE ARNOLD 2021-01-20	ISSUED JANICE ARNOLD 2021-01-20	SCALE NONE	SHEET 2 OF 8	