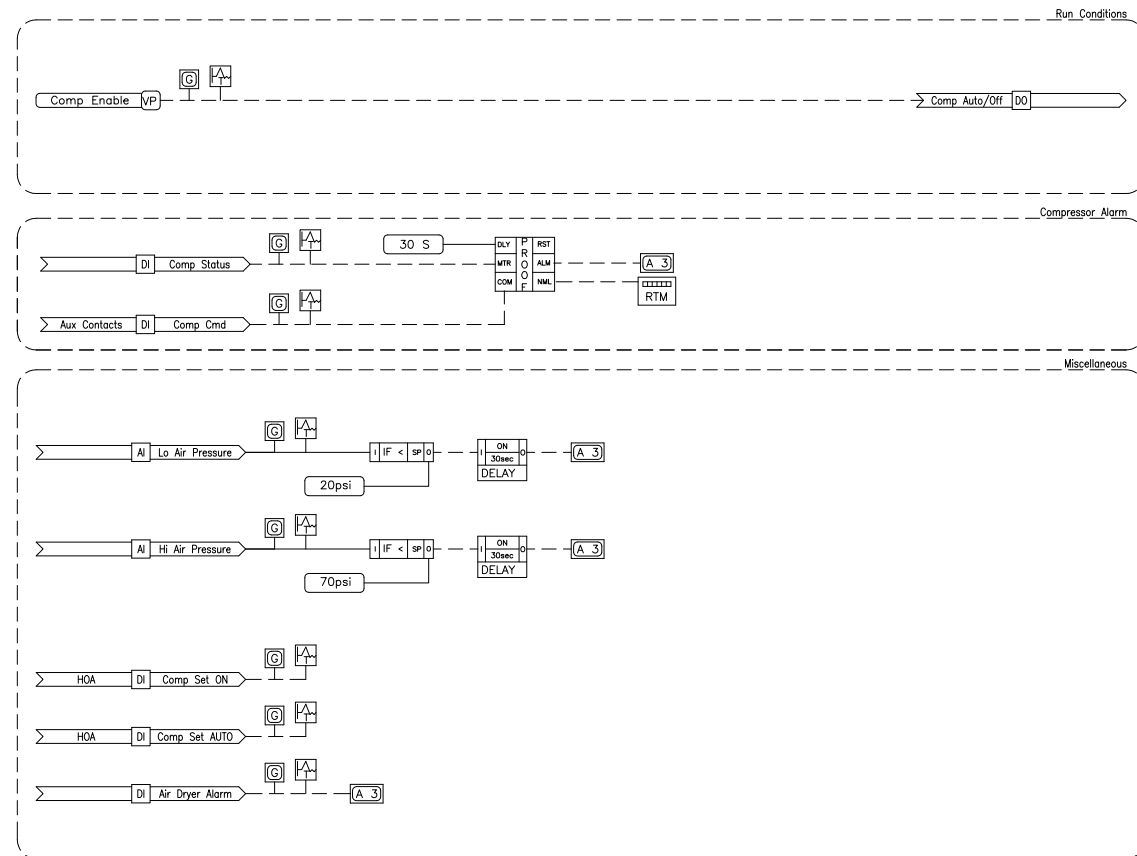


CONTROL SCHEMATIC



CONTROL LOGIC

POINTS LIST

POINT NAME	POINT DESCRIPTOR	POINT TYPE				REMARKS
		DI	AI	DO	AO	
CMPrxx.LO-A-P	Low Air Pressure		1			
CMPrxx.HI-A-P	High Air Pressure		1			
CMPrxx.C	Compressor Command	1				Starter Aux Contacts
CMPrxx.STS	Compressor Status	1				
CMPrxx.ON-STs	HOA ON Status	1				
CMPrxx.AUTO-STs	HOA AUTO STATUS	1				
CMPrxx.C	Compressor Auto/Off			1		
AIRDRYERx.ALARM	Air Dryer Alarm	1				
TOTALS		5	2	1	0	

BILL OF MATERIAL

DESIG	QTY	MODEL NO.	DESCRIPTION
PT 1	1		Pressure Transmitter, Air
PE 1	1		Pressure-Electric Switch
CS 1	1		Current Switch

SEQUENCE OF OPERATION

General: The air compressor shall be enabled and monitored by the BAS.

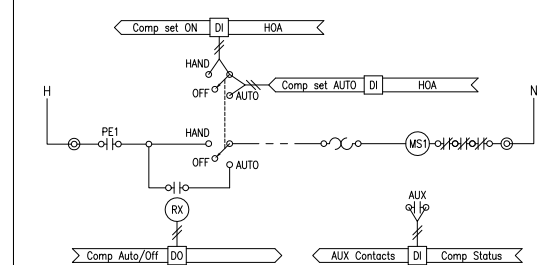
Enable/Disable:
The compressor shall be enabled (manual operator command) by the BAS system

Alarming:
An auxiliary contact in the starter shall be monitored to indicate compressor start/stop. BAS shall prove compressor operation and use the status indication to accumulate runtime.

System air pressure shall be monitored and if it drops below its setpoint of 20psi (adj.) an alarm shall be indicated.

Tank air pressure shall be monitored and if it drops below its setpoint of 70psi (adj.) an alarm shall be indicated.

ELECTRIC LADDER DIAGRAMS



TYPICAL COMPRESSOR STARTER

Developed in Association with
Facility Dynamics
 ENGINEERING
 6700 Alexander Bell Drive - Suite 220
 Columbia, MD - 21046 - (410) 290-0800

UNIVERSITY of VIRGINIA
 FACILITIES MANAGEMENT

Eng **DMC**
 Drawn **DMC**
 Chkd **HJN**
 Appd **---**
 Issued **8/4/11**
 Job No. **10080**
 Scale **N/A**
 Proj Code

STANDARD

AIR
 COMPRESSOR

28 OF 30
 SHEET NUMBER

C-5.0

DWG NUMBER