

LINE TYPE LEGEND

_____ PROCESS LINE

----- PNEUMATIC AIR LINE

— — — — — ENCLOSURE BOUNDRY

----- ELECTRICAL SIGNAL

FITTINGS

— — [) CAP

 REDUCER

— — —|| BLIND FLANGE

— — — NOZZLE

 FLANGED JOINT

—|— HOSE COUPLING

— — MALE CONNECTION

— — | FEMALE CONNECTION

FLOW INSTRUMENTS



FLOW TRANSMITTER


 FLOW INDICATOR

PROCESS ANALYZERS

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graph LR
    AIT200((AIT 200)) --> BMT((BMT))
    BMT --> OM((OZONE MONITOR))
  
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The diagram shows a circle labeled "AIT 200" connected by a line to a square labeled "BMT". The "BMT" square is then connected by a line to a circle labeled "OXYGEN MONITOR".

The diagram illustrates three different models of the AIT 100 monitor, each with a unique label on its front panel:

- Dissolved Ozone Monitor:** The top unit is labeled "DO3".
- PH Monitor:** The middle unit is labeled "PH".
- ORP Monitor:** The bottom unit is labeled "ORP".

Each monitor features a circular display at the top showing "AIT 100", a main rectangular body with a textured top section, and a bottom connector. A small side port with a cap is also visible on each unit.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/2/17	EW

MEANING OF FUNCTIONAL INSTRUMENT IDENTIFICATION LETTERS					
FIRST LETTER			SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER FLAME		USER CHOICE	USER CHOICE	USER CHOICE
C	USER CHOICE			CONTROL	
D	USER CHOICE	DIFFERENTIAL			
E	VOLTAGE (EMF)		PRIMARY ELEMENT		
F	FLOW RATE	RATIO			
G	GAUGING (DIMENSIONAL)		GLASS		
H	HAND (MANUALLY INITIATED)				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME OR TIME-SCHEDULE			CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW
M	MODULATING	MOMENTARY		MIDDLE OR INTERMEDIATE	
N	USER CHOICE		USER CHOICE	USER CHOICE	USER CHOICE
O	USER CHOICE		ORIFICE (RESTRICTION)		
P	PRESSURE OR VACUUM		POINT (TEST POINT)		
Q	QUANTITY OR EVENT	INTEGRATE OR TOTALIZE			
R	RADIATION		RECORD OR PRINT		
S	SPEED OR FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION OR MECHANICAL ANALYSIS			VALVE, DAMPER OR LOUVER	
W	WEIGHT OR FORCE		WELL		
X	UNCLASSIFIED		UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE		RELAY OR COMPUTE		
Z	POSITION			DRIVE, ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

REFERENCE DESIGNATION LEGEND

REF-DES #	LINE USE
000-099	COMPRESSED AIR
100-199	OXYGEN SUPPLY
200-299	OZONE SUPPLY
300-399	COOLING WATER SUPPLY
400-499	COOLING WATER RETURN
500-599	CHILLER
600-699	INJECTION
700-799	OZONE DESTRUCT
800-899	ANAYLZERS

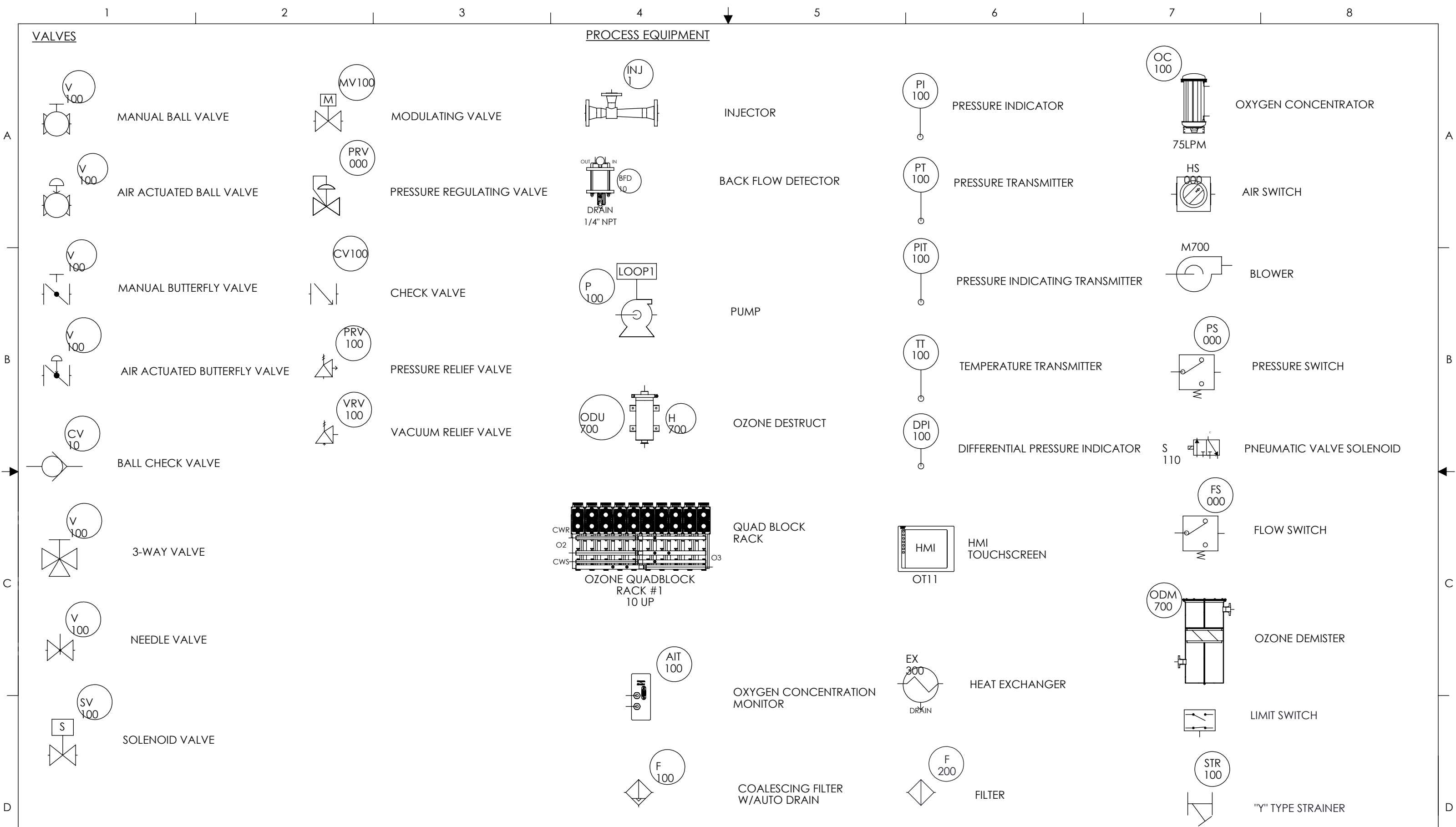
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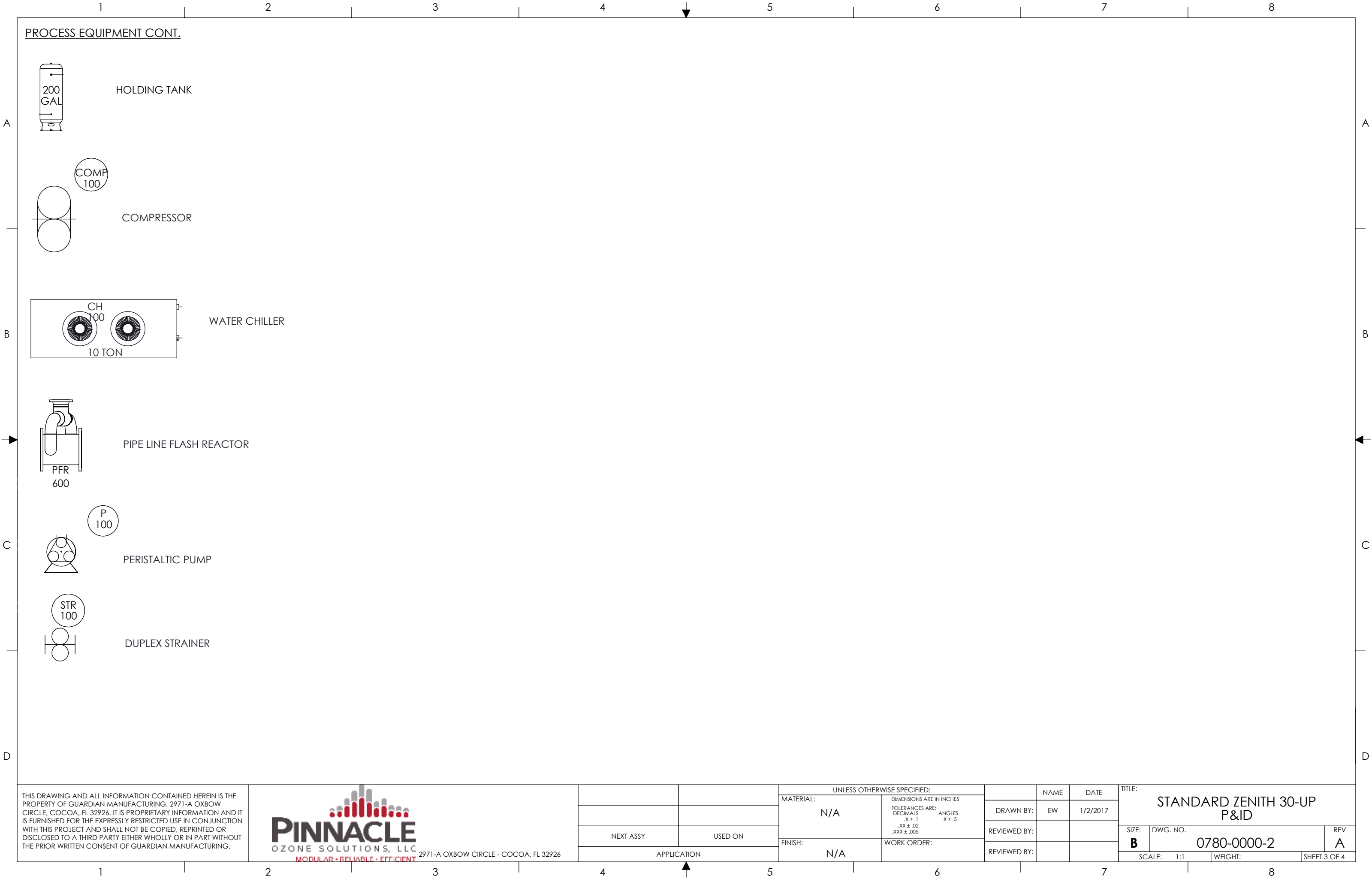
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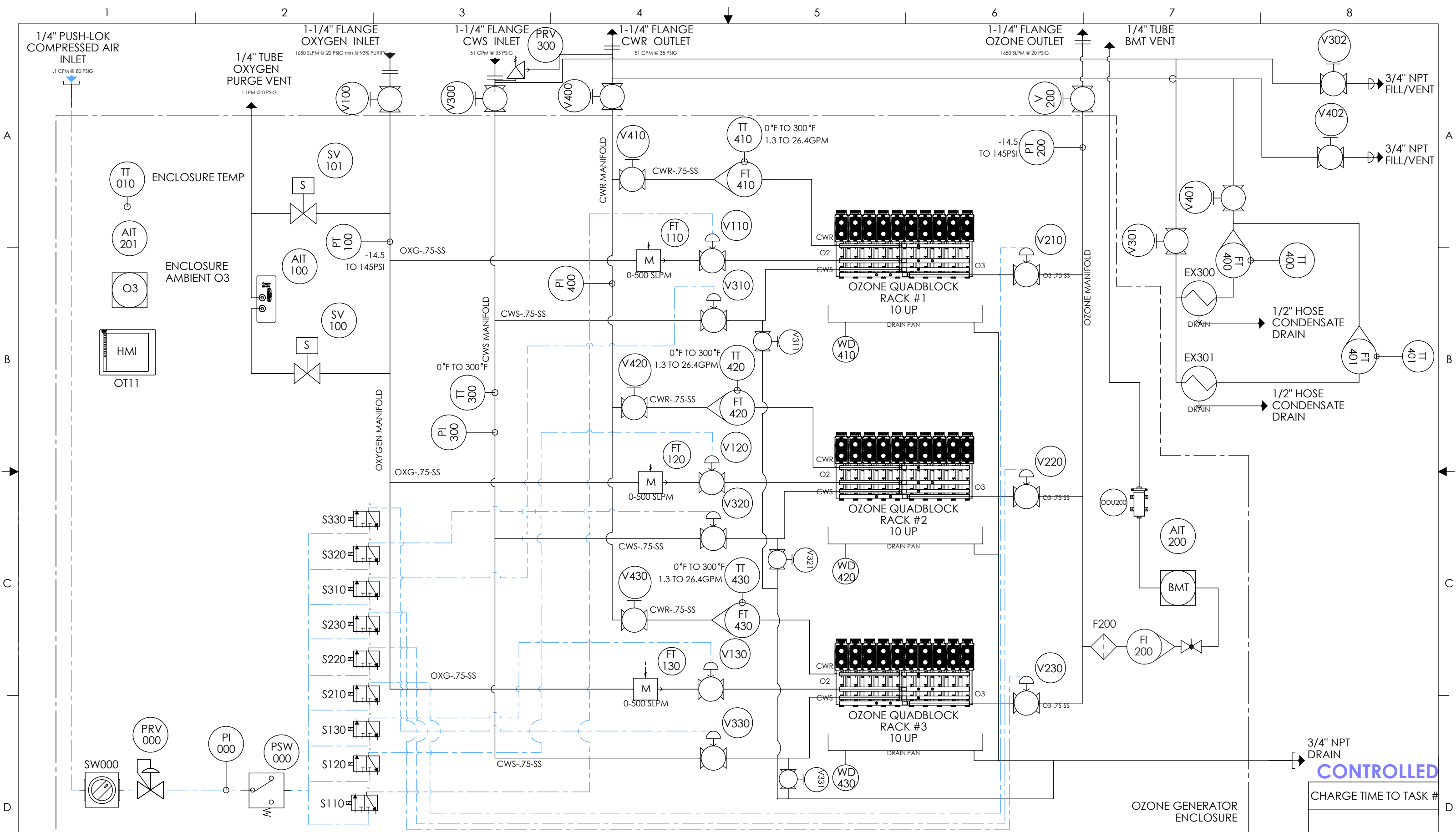
		UNLESS OTHERWISE SPECIFIED:			NAME	DATE	TITLE: STANDARD ZENITH 30-UP P&ID		
		MATERIAL: N/A	DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .X ± .1 ANGLES .X ± .5	DRAWN BY:	EW	1/2/2017			
NEXT ASSY	USED ON			REVIEWED BY:			SIZE: B	DWG. NO. 0780-0000-2	REV A
APPLICATION		FINISH: N/A	WORK ORDER:	REVIEWED BY:			SCALE: 1:1	WEIGHT:	SHEET 1 OF 4

CONTROLLED



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					MATERIAL: N/A	DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XX ± .1 ANGLES .X ± .5 WORK ORDER:	DRAWN BY: EW	1/2/2017		
					FINISH: N/A		REVIEWED BY:		SIZE: B DWG. NO. 0780-0000-2 REV A	
							REVIEWED BY:		SCALE: 1:1 WEIGHT: SHEET 2 OF 4	





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NEXT ASSY	USED ON	FINISH:	WORK ORDER:	REVIEWED BY:	REVIEWED BY:	REVIEWED BY:	REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
		N/A							
APPLICATION									

UNLESS OTHERWISE SPECIFIED:

MATERIAL:	DIMENSIONS ARE IN INCHES
N/A	TOLERANCES ARE:
	DECIMALS ANGLES
	.XX ± .02 .X ± .5
	.XXX ± .005

NAME	DATE	TITLE:
EW	1/2/2017	STANDARD ZENITH 30-UP P&ID
DRAWN BY:		
REVIEWED BY:		
REVIEWED BY:		

SIZE:	DWG. NO.	REV
B	0780-0000-2	A
SCALE:	1:1	WEIGHT:
		SHEET 4 OF 4