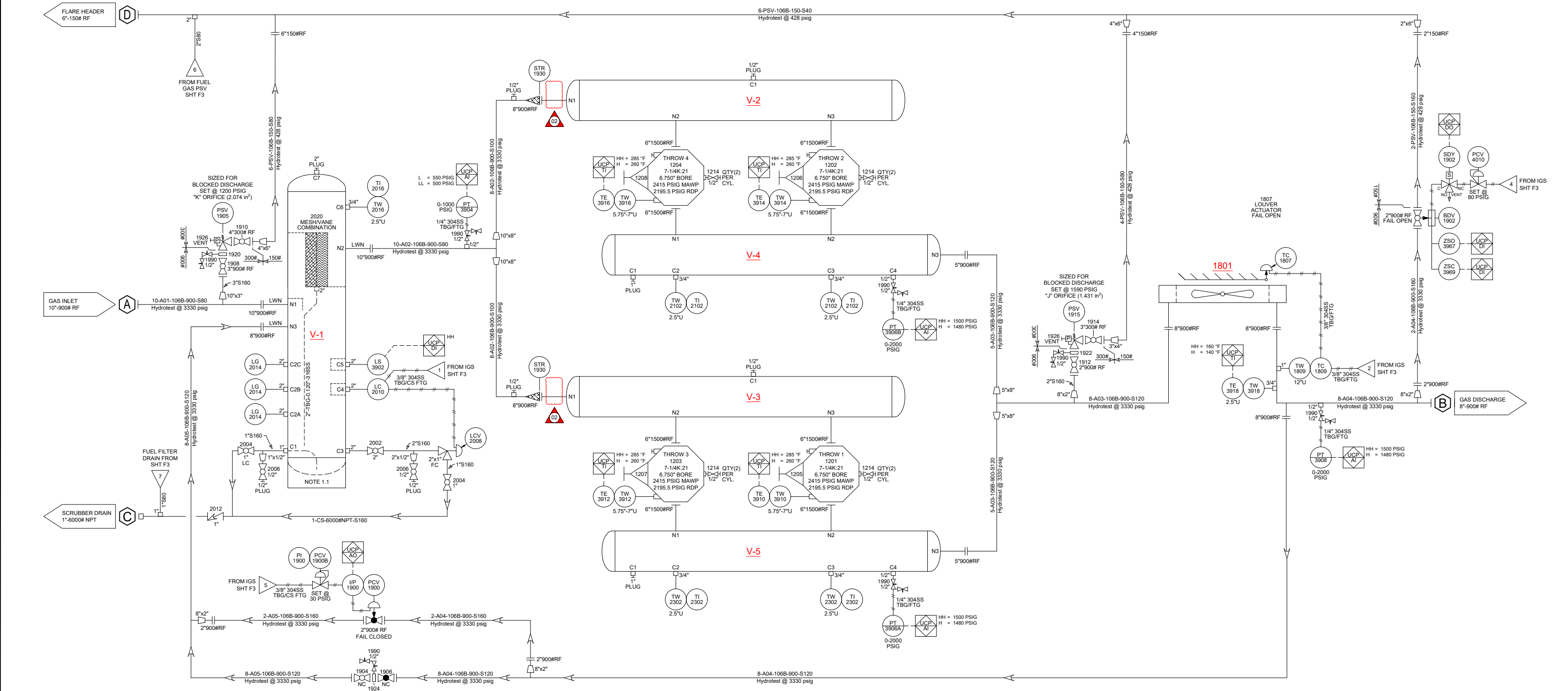


<b>V-1</b> 1ST STG SUCTION SCRUBBER 34" O.D. X 96" S/S 1440 PSIG @ -20/200 °F 0.125" CORROSION ALLOWANCE ASME CODE W / STAMP	<b>V-2/V-3</b> 1ST STG SUCTION BOTTLE 12.75" O.D. X 54" S/S 1440 PSIG @ -20/200 °F 0.0625" CORROSION ALLOWANCE ASME CODE W / STAMP	<b>V-4/V-5</b> 1ST STG DISCHARGE BOTTLE 12.75" O.D. X 54" S/S 1590 PSIG @ -20/350 °F 0.0625" CORROSION ALLOWANCE ASME CODE W / STAMP	<b>1801</b> AC COOLER 1590 PSIG @ -20/350 °F 0.125" CORROSION ALLOWANCE ASME CODE W / STAMP
*FINAL BOTTLE SIZING PENDING PULSATION STUDY RESULTS*		*FINAL BOTTLE SIZING PENDING PULSATION STUDY RESULTS*	





CONNECTION SCHEDULE OF OPENINGS		
MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-6000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	START GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY

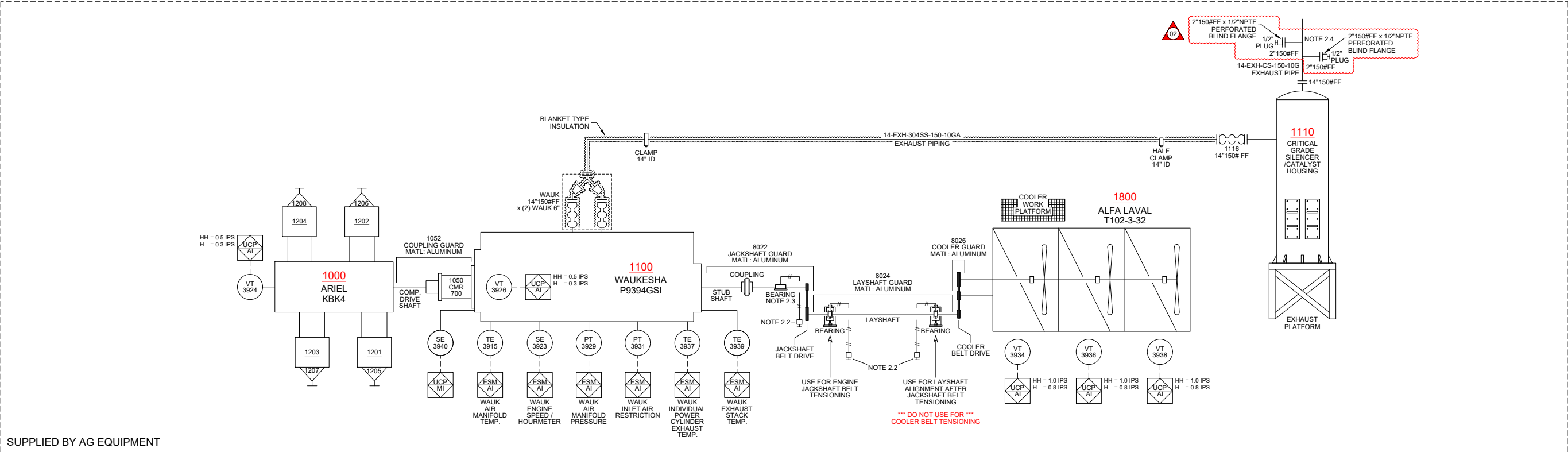
AG SUPPLIED TUBING CUSTOMER SUPPLIED	WIRED TO JUNCTION BOX WIRED TO PANEL DATA COMMUNICATION
SKID EDGE CONNECTION ENGINE SUPERVISORY SYSTEM MOUNTED IN PANEL LOCAL CONTROL PANEL MOUNTED IN PANEL	ITEM IDENTIFICATION TAG NUMBER TYPE OF INPUT/OUTPUT DO - DIGITAL OUTPUT AI - ANALOG INPUT TI - TEMP INPUT HH - HIGH SHUTDOWN H - HIGH ALARM LL - LOW SHUTDOWN BULKHEAD

NOTES	
1.1) FIRST-OFF THREADED NIPPLES TO BE SCHD 160.	
STATUS:  FOR CUSTOMER APPROVAL	
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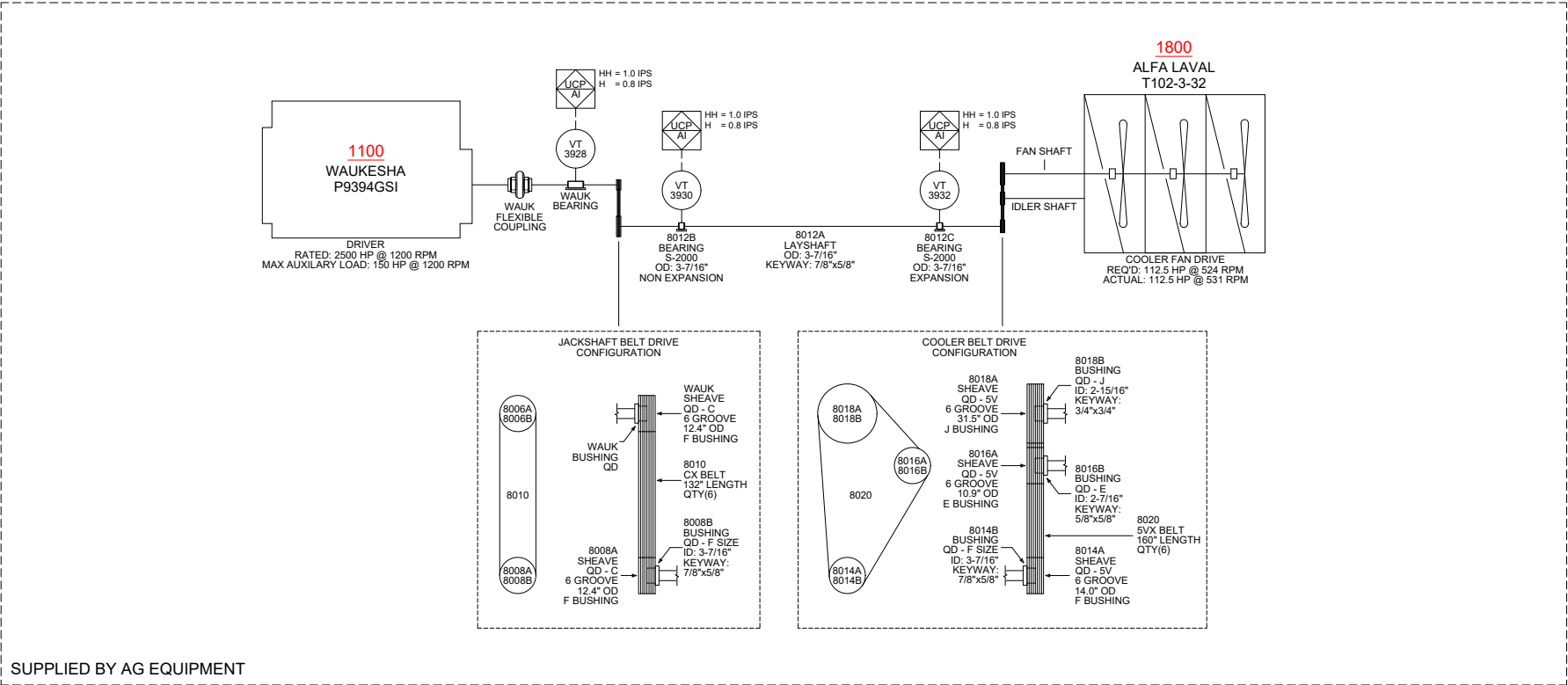
DRAWN BY		NAME	DATE
CHECKED BY		NAME	DATE
PROJECT ENG.		NAME	DATE
APPROVED BY		NAME	DATE
CERTIFIED BY		NAME	DATE

			 AG Equipment Co.			
BROKEN ARROW, OKLA. 74012			• PHONE 918-250-7386		• FAX 918-250-7393	
CUSTOMER PROJECT NO.:		CUSTOMER P.O. NO.:		SHEET:		
		000-6-20-T-ADQ		1 OF 1		
CUSTOMER:		PROJECT:		CARRASCO STATION		
YFPB				9394GSI/KBK4-1		
TRANSPORTE S.A.						
DRAWING NUMBER:				ISSUE:		
20173 - F1				02		

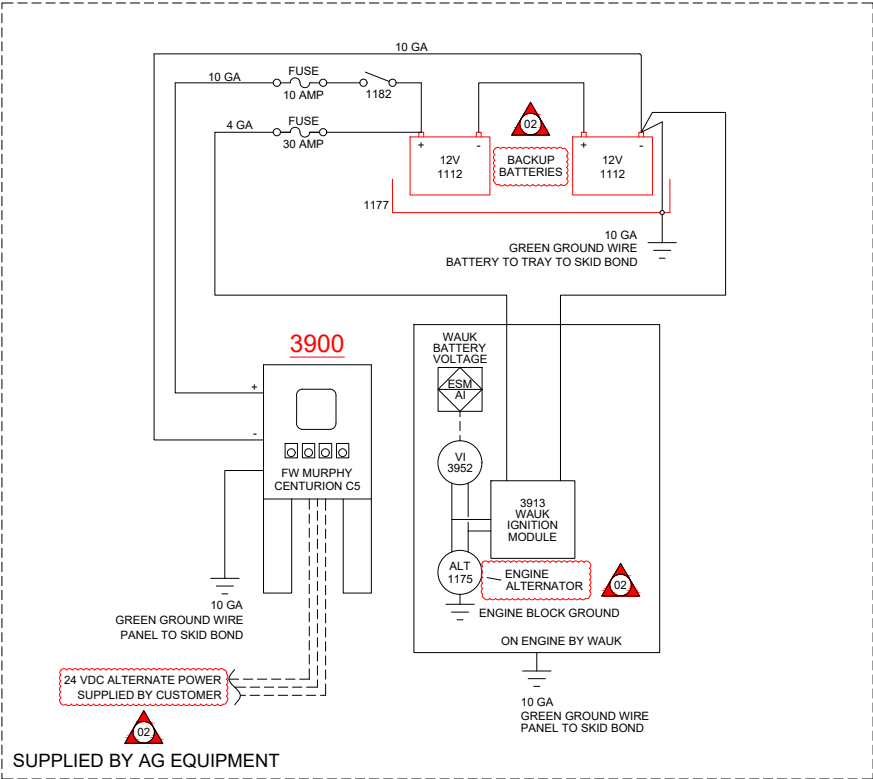
MAJOR EQUIPMENT



COOLER FAN DRIVE SYSTEM



POWER DISTRIBUTION SYSTEM



CONNECTION SCHEDULE OF OPENINGS		
MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-8000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	START GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY

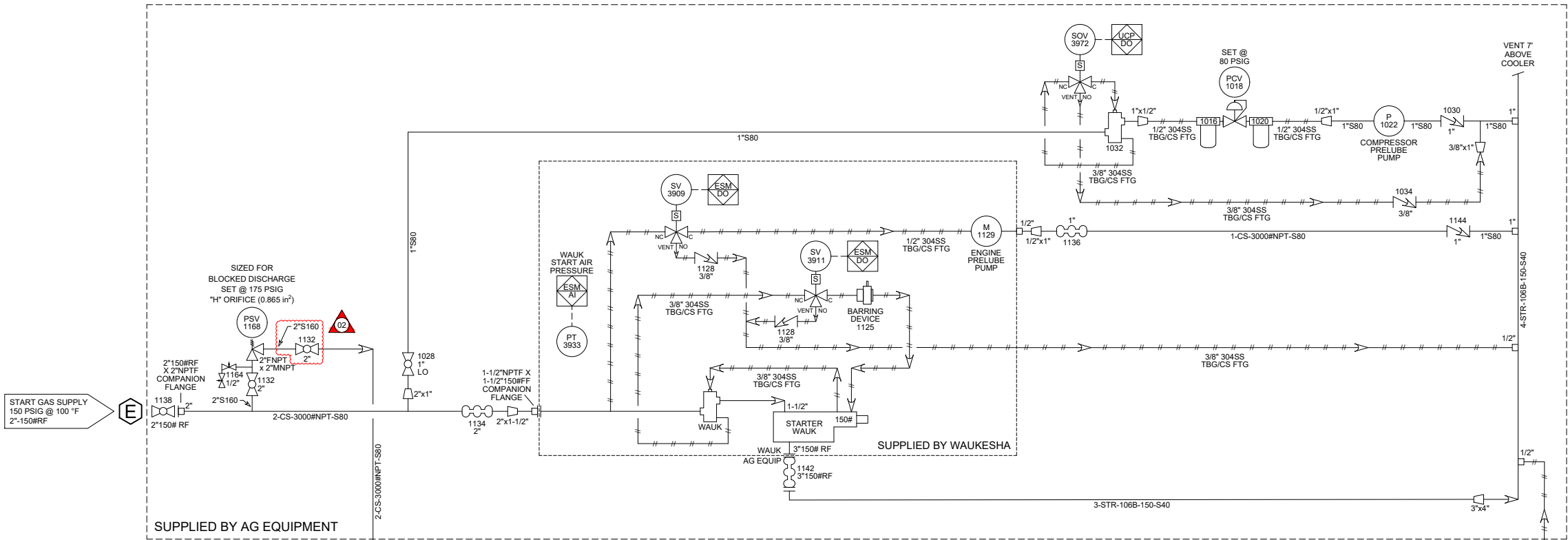
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	TUBING		WIRED TO PANEL
	CUSTOMER SUPPLIED		DATA COMMUNICATION
	SKID EDGE CONNECTION		ITEM IDENTIFICATION TAG NUMBER
	ENGINE SUPERVISORY SYSTEM MOUNTED IN PANEL		TYPE OF INPUT/OUTPUT
	LOCAL CONTROL PANEL MOUNTED IN PANEL		DO - DIGITAL OUTPUT
			AI - ANALOG INPUT
			TI - TEMP INPUT
			HH - HIGH SHUTDOWN
			HL - HIGH ALARM
			LL - LOW ALARM
			LS - LOW SHUTDOWN

NOTES	
2.1) GUARD MATERIAL IS ALUMINUM.	
2.2) BEARING LUBRICATION LINE IS TO BE RAN TO ACCESSIBLE LOCATION OUTSIDE OF GUARD.	
2.3) MACHINE SUPPORT SURFACE FLAT AND INSURE PROPER SHAFT ALIGNMENT WITH ENGINE SHAFT.	
2.4) LOCATE SAMPLING PORT IN STRAIGHT RUN OF PIPE WITH AT LEAST 5 DIAMETERS OF CLEAR LENGTH UPSTREAM AND 3 DIAMETERS OF CLEAR LENGTH DOWNSTREAM.	
STATUS: FOR CUSTOMER APPROVAL	
NOTICE: THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IT SHALL NOT BE USED OR REPRODUCED OR ITS CONTENTS DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF A G EQUIPMENT CO.	

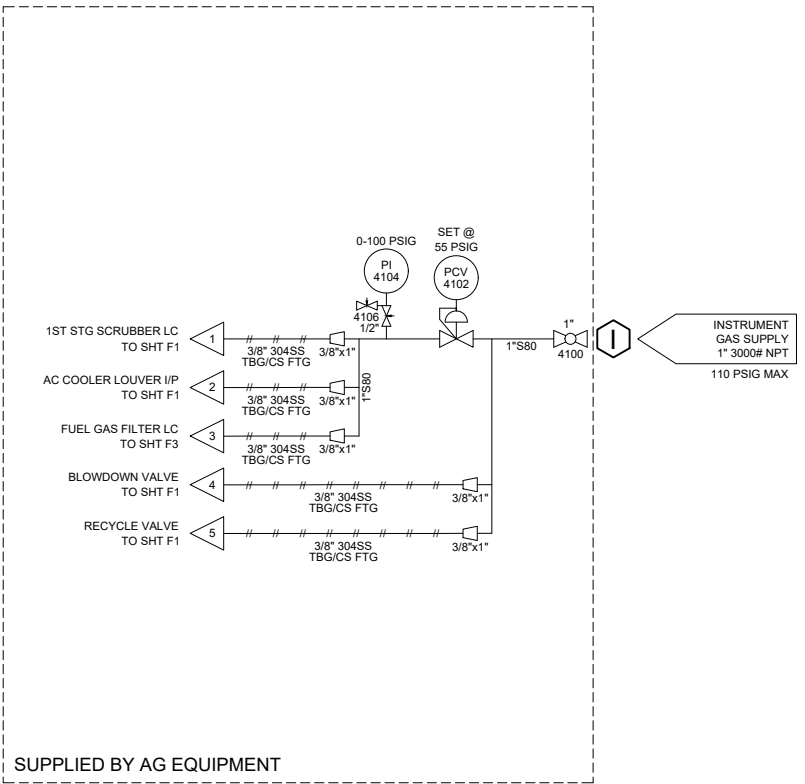
ISSUED FOR APPROVAL			
DESCRIPTION: PIPING & INSTRUMENTATION DIAGRAM MAJOR EQUIPMENT		A G EQUIPMENT PROJECT: AG20168-170	
REVISIONS		NAME	DATE
NO	DATE	DESCRIPTION	BY
00	11/06/20	FOR CUSTOMER APPROVAL	RLV
01	11/30/20	REVISED PER CUSTOMER COMMENTS	RLV
02	12/15/20	REVISED PER CUSTOMER COMMENTS	RLV
APPROVED BY		PROJECT ENG.	RLV
CERTIFIED BY		NAME	DATE
		RLV	11/06/20

		BROKEN ARROW, OKLA. 74012 • PHONE 918-250-7386 • FAX 918-250-7393	
CUSTOMER PROJECT NO.: YPFB TRANSPORTE S.A.		CUSTOMER P.O. NO.: 000-6-20-T-ADQ	
PROJECT: CARRASCO STATION 9394GSI/KBK4-1		SHEET: 1 OF 1	
DRAWING NUMBER: 20173 - F2		ISSUE:	

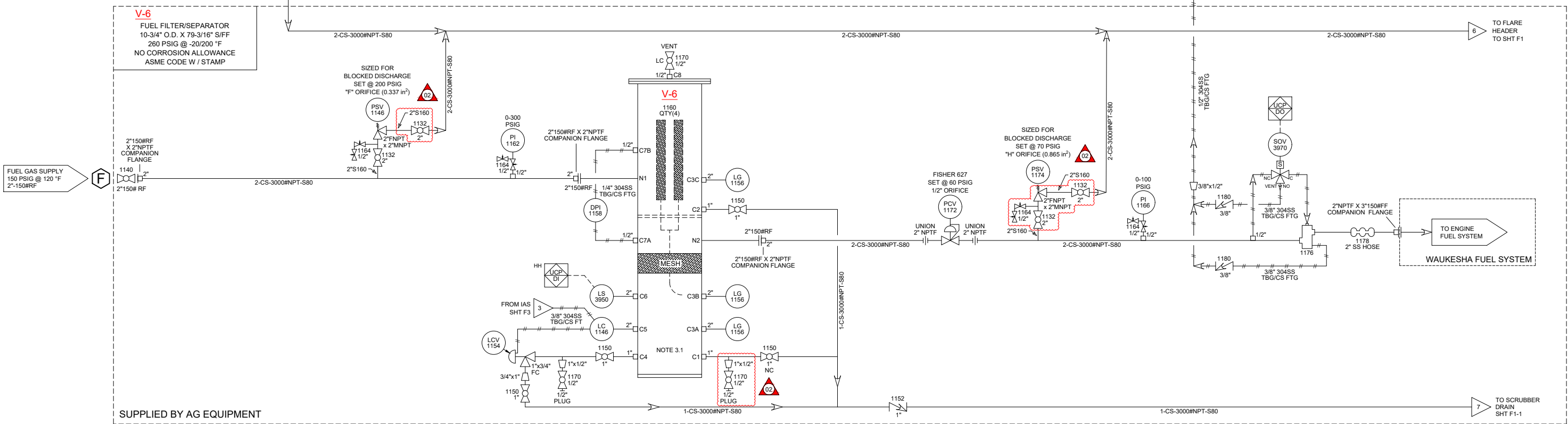
START GAS SYSTEM



INSTRUMENT GAS SYSTEM



FUEL GAS SYSTEM



CONNECTION SCHEDULE OF OPENINGS		
MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-6000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	START GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY

	AG SUPPLIED		WIRED TO JUNCTION BOX
	TUBING		WIRED TO PANEL
	CUSTOMER SUPPLIED		DATA COMMUNICATION
	SKID EDGE CONNECTION		ITEM IDENTIFICATION TAG NUMBER
	ENGINE SUPERVISORY SYSTEM MOUNTED IN PANEL		TYPE OF INPUT/OUTPUT
	LOCAL CONTROL PANEL MOUNTED IN PANEL		DO - DIGITAL OUTPUT
			AI - ANALOG INPUT
			TI - TEMP INPUT
			HH - HIGH SHUTDOWN
			H - HIGH ALARM
			L - LOW ALARM
			LL - LOW SHUTDOWN

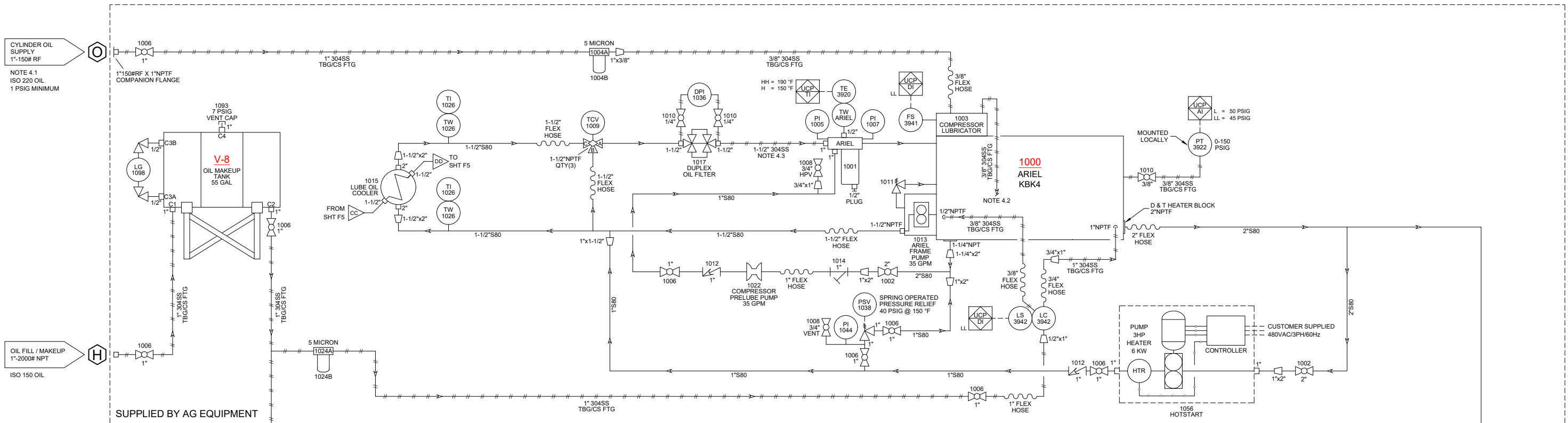
NOTES	
3.1) FIRST-OFF THREADED NIPPLES TO BE SCHD 160.	
STATUS: FOR CUSTOMER APPROVAL	
NOTICE: THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IT SHALL NOT BE USED OR REPRODUCED OR ITS CONTENTS DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF A G EQUIPMENT CO.	

DESCRIPTION: PIPING & INSTRUMENTATION DIAGRAM AUXILIARY GAS & AIR UTILITIES			
REVISIONS			
NO	DATE	DESCRIPTION	BY
00	11/06/20	FOR CUSTOMER APPROVAL	RLV
01	11/30/20	REVISED PER CUSTOMER COMMENTS	RLV
02	12/15/20	REVISED PER CUSTOMER COMMENTS	RLV

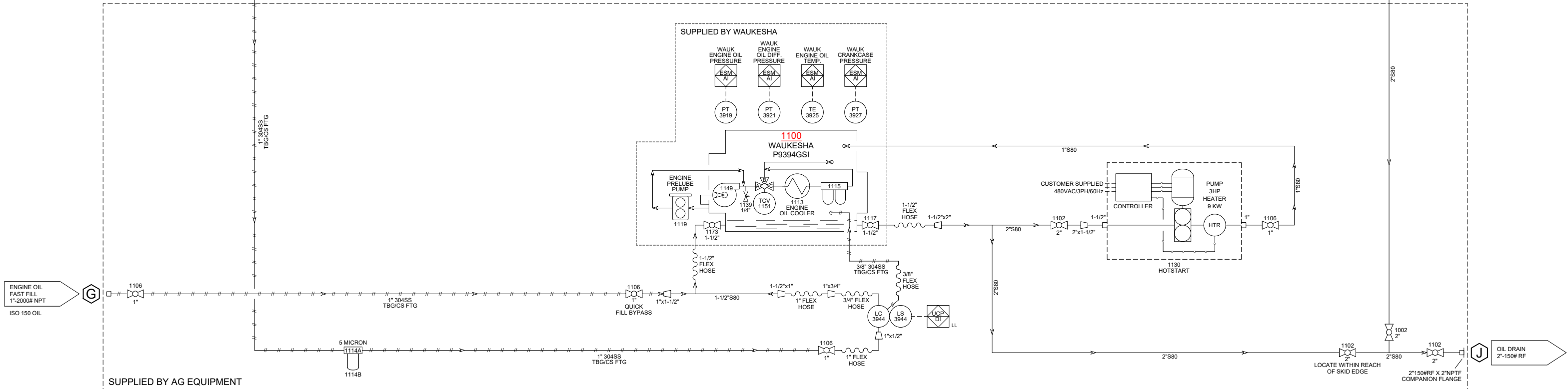
A G EQUIPMENT PROJECT: AG20168-170		
NAME	DATE	
DRAWN BY	RLV	11/06/20
CHECKED BY	RLV	11/06/20
PROJECT ENG.	RLV	11/06/20
APPROVED BY		
CERTIFIED BY	RLV	11/06/20

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CUSTOMER PROJECT NO.:	CUSTOMER P.O. NO.:	SHEET: 1 OF 1	
CUSTOMER: YPFB TRANSPORTE S.A.		PROJECT: CARRASCO STATION 9394GSI/KBK4-1	
DRAWING NUMBER: 20173 - F3		ISSUE: 02	

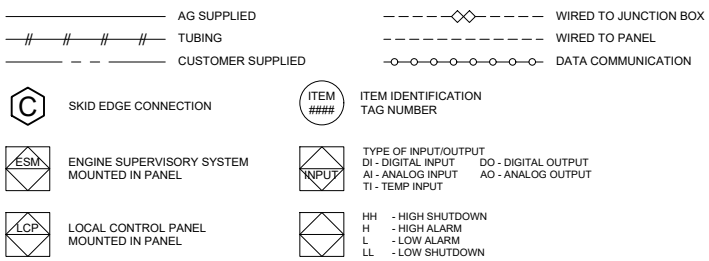
## COMPRESSOR OIL SYSTEM



## ENGINE OIL SYSTEM



MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-6000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	STURT GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY



NOTES
<p>4.1) INDEPENDENT CYLINDER LUBE OIL SUPPLY REQUIRED PER ARIEL.</p> <p>4.2) COMPRESSOR LUBRICATOR OVERFLOW RAN TO SKID DRAIN PAN.</p> <p>4.3) STAINLESS STEEL TUBING BETWEEN DUPLEX AND STANDARD OIL FILTER REQUIRED PER ARIEL.</p>

STATUS: FOR CUSTOMER APPROVAL

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DESCRIPTION:	PIPING & INSTRUMENTATION DIAGRAM OIL UTILITIES
--------------	---

REVISIONS			
NO	DATE	DESCRIPTION	BY
00	11/06/20	FOR CUSTOMER APPROVAL	RL
01	11/30/20	REVISED PER CUSTOMER COMMENTS	RL
02	12/15/20	REVISED PER CUSTOMER COMMENTS	RL


SUED FOR APPROVAL

A G EQUIPMENT PROJECT:  
AG20168-170

	NAME	DATE
DRAWN BY	RLV	11/06/20
CHECKED BY	RLV	11/06/20
PROJECT ENG.	RLV	11/06/20
APPROVED BY		
CERTIFIED BY	RLV	11/06/20

A G EQUIPMENT PROJECT:  
AG20168-170

	NAME	DATE
DRAWN BY	RLV	11/06/20
CHECKED BY	RLV	11/06/20
PROJECT ENG.	RLV	11/06/20
APPROVED BY		
CERTIFIED BY	RLV	11/06/20

 <b>AG Equipment Co.</b>		
BROKEN ARROW, OKLA. 74012      • PHONE 918-250-7386      • FAX 918-250-7393		
CUSTOMER PROJECT NO.:	CUSTOMER P.O. NO.:	SHEET:
	000-6-20-T-ADQ	1 OF 1
CUSTOMER:	YPFB TRANSPORTE S.A.	PROJECT: CARRASCO STATION 9394GSI/KBK4-1
DRAWING NUMBER:		ISSUE:
20173 - F4		02



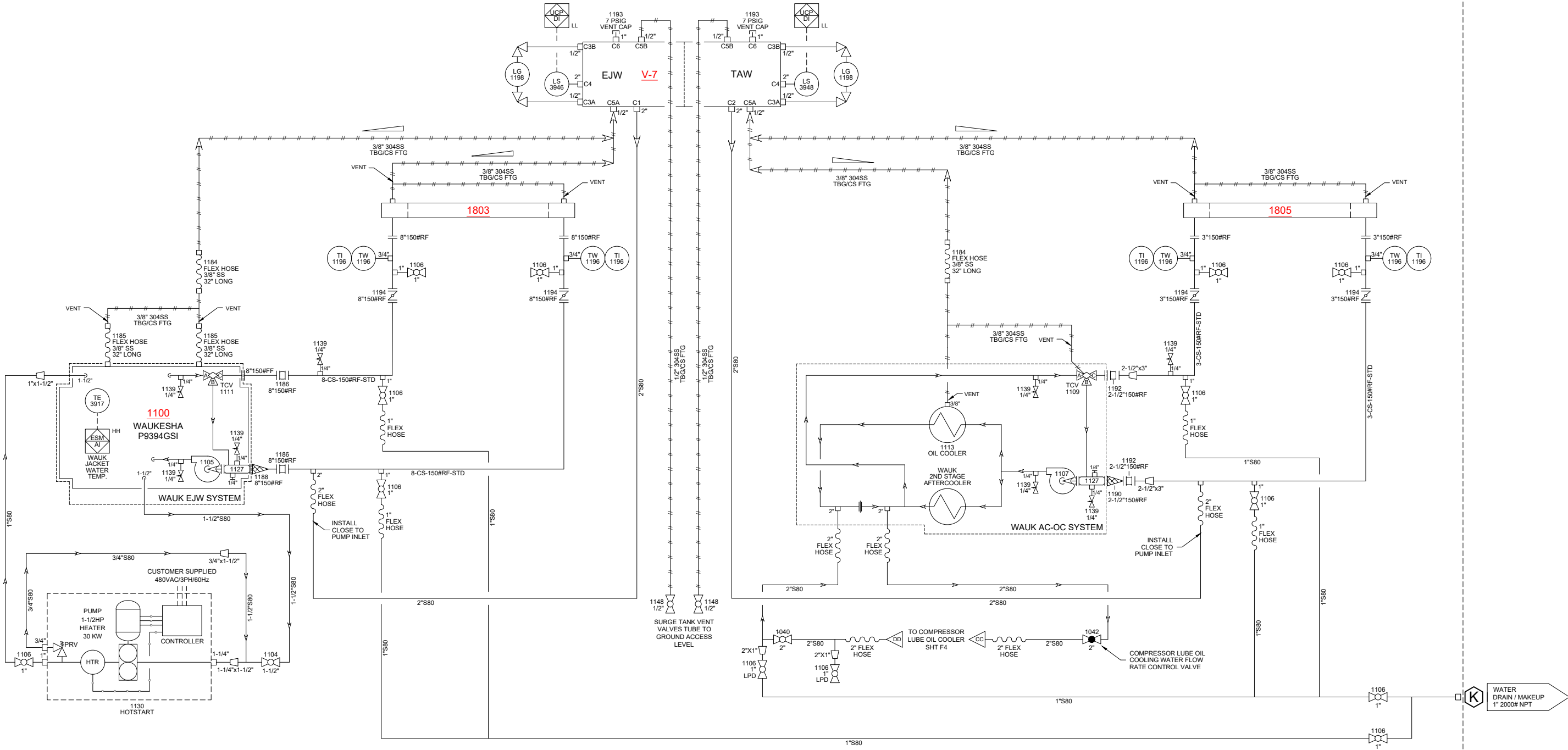
V-7  
JACKET / AUX SURGE TANK  
20" O.D. X 114" S/S  
15 PSIG @ -20/160 °F  
NO CORROSION ALLOWANCE  
NON-CODE STAMPED

1803  
ENGINE JACKET WATER COOLER  
150 PSIG @ -20/300 DEG F  
NO CORROSION ALLOWANCE  
NON-CODE STAMP

1805  
ENGINE TURBO WATER COOLER  
150 PSIG @ -20/300 DEG F  
NO CORROSION ALLOWANCE  
NON-CODE STAMP

ENGINE JACKET WATER SYSTEM

ENGINE TURBO WATER SYSTEM



SUPPLIED BY AG EQUIPMENT

ISSUED FOR APPROVAL

CONNECTION SCHEDULE OF OPENINGS		
MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-6000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	START GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY

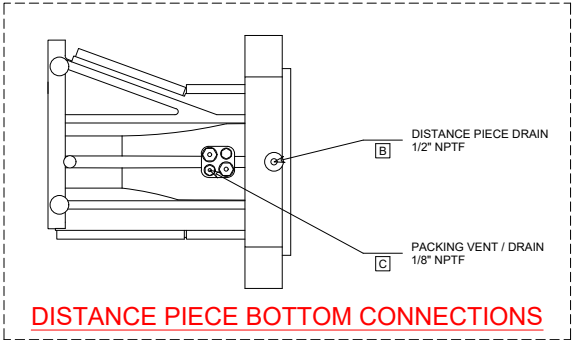
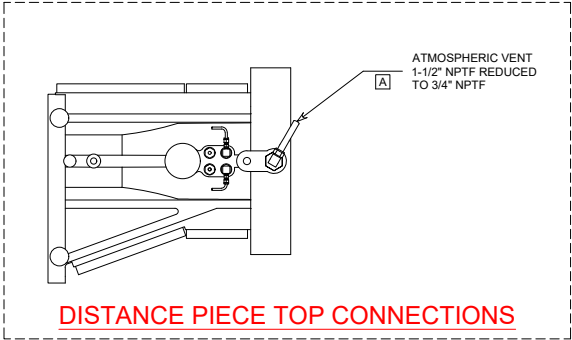
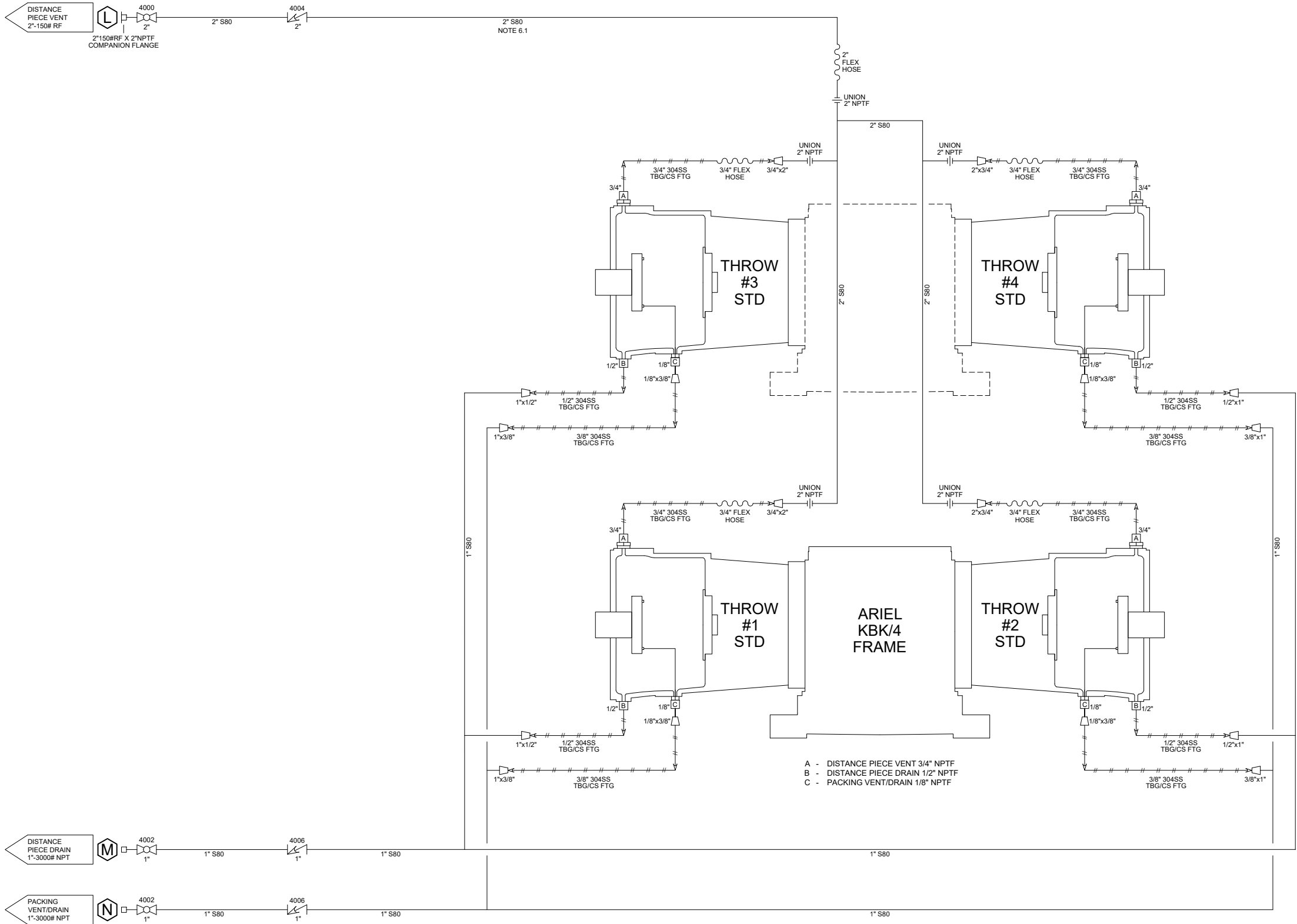
	AG SUPPLIED		WIRED TO JUNCTION BOX
	TUBING		WIRED TO PANEL
	CUSTOMER SUPPLIED		DATA COMMUNICATION
	SKID EDGE CONNECTION		ITEM IDENTIFICATION TAG NUMBER
	ENGINE SUPERVISORY SYSTEM MOUNTED IN PANEL		TYPE OF INPUT/OUTPUT
	LOCAL CONTROL PANEL MOUNTED IN PANEL		DI - DIGITAL INPUT
			DO - DIGITAL OUTPUT
			AI - ANALOG INPUT
			AO - ANALOG OUTPUT
			TI - TEMP INPUT
			HH - HIGH SHUTDOWN
			H - HIGH ALARM
			L - LOW ALARM
			LL - LOW SHUTDOWN

NOTES	
STATUS: FOR CUSTOMER APPROVAL	
NOTICE: THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IT SHALL NOT BE USED OR REPRODUCED OR ITS CONTENTS DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF A G EQUIPMENT CO.	

DESCRIPTION: PIPING & INSTRUMENTATION DIAGRAM WATER UTILITES			
AG EQUIPMENT PROJECT: AG20168-170			
REVISIONS			
NO	DATE	DESCRIPTION	BY
00	11/06/20	FOR CUSTOMER APPROVAL	RLV
01	11/30/20	REVISED PER CUSTOMER COMMENTS	RLV
02	12/15/20	REVISED PER CUSTOMER COMMENTS	RLV

A G EQUIPMENT PROJECT: AG20168-170		
	NAME	DATE
DRAWN BY	RLV	11/06/20
CHECKED BY	RLV	11/06/20
PROJECT ENG.	RLV	11/06/20
APPROVED BY		
CERTIFIED BY	RLV	11/06/20

BROKEN ARROW, OKLA. 74012 • PHONE 918-250-7386 • FAX 918-250-7393		
CUSTOMER PROJECT NO.:	CUSTOMER P.O. NO.: 000-6-20-T-ADQ	SHEET: 1 OF 1
CUSTOMER: YPFB TRANSPORTE S.A.	PROJECT: CARRASCO STATION 9394GSI/KBK4-1	
DRAWING NUMBER: 20173 - F5	ISSUE:	02



A - DISTANCE PIECE VENT 3/4" NPTF  
B - DISTANCE PIECE DRAIN 1/2" NPTF  
C - PACKING VENT/DRAIN 1/8" NPTF

ISSUED FOR APPROVAL

CONNECTION SCHEDULE OF OPENINGS		
MARK	SIZE/RATING	SERVICE
A	10"-900# RF	UNIT GAS INLET
B	8"-900# RF	UNIT GAS DISCHARGE
C	1"-6000# NPT	SCRUBBER DRAIN
D	6"-150# RF	FLARE HEADER
E	2"-150# RF	START GAS SUPPLY
F	2"-150# RF	FUEL GAS SUPPLY
G	1"-2000# NPT	ENGINE OIL FAST FILL
H	1"-2000# NPT	OIL FILL/MAKE-UP
I	1"-3000# NPT	INSTRUMENT AIR SUPPLY
J	2"-150# RF	OIL DRAIN
K	1"-2000# NPT	EJW/TAW FILL/DRAIN
L	2"-150# RF	DISTANCE PIECE VENT
M	1"-3000# NPT	DISTANCE PIECE DRAIN
N	1"-3000# NPT	PACKING VENT/DRAIN
O	1"-150# RF	CYLINDER LUBE OIL SUPPLY

AG SUPPLIED	WIRED TO JUNCTION BOX
TUBING	WIRED TO PANEL
CUSTOMER SUPPLIED	DATA COMMUNICATION
SKID EDGE CONNECTION	ITEM IDENTIFICATION TAG NUMBER
ENGINE SUPERVISORY SYSTEM MOUNTED IN PANEL	TYPE OF INPUT/OUTPUT
LOCAL CONTROL PANEL MOUNTED IN PANEL	DI - DIGITAL INPUT DO - DIGITAL OUTPUT
	AI - ANALOG INPUT AO - ANALOG OUTPUT
	T1 - TEMP INPUT
	HH - HIGH SHUTDOWN
	H - HIGH ALARM
	L - LOW ALARM
	LL - LOW SHUTDOWN

NOTES  
6.1) NO LIQUID TRAPS IN DISTANCE PIECE VENT LINE.

STATUS:  
FOR CUSTOMER APPROVAL


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DESCRIPTION:  
PIPING & INSTRUMENTATION DIAGRAM  
COMPRESSOR DISTANCE PIECE

REVISIONS			
NO	DATE	DESCRIPTION	BY
00	11/06/20	FOR CUSTOMER APPROVAL	RLV
01	11/30/20	REVISED PER CUSTOMER COMMENTS	RLV
02	12/15/20	REVISED PER CUSTOMER COMMENTS	RLV

A G EQUIPMENT PROJECT:  
AG20168-170

NAME	DATE
DRAWN BY	RLV 11/06/20
CHECKED BY	RLV 11/06/20
PROJECT ENG.	RLV 11/06/20
APPROVED BY	
CERTIFIED BY	RLV 11/06/20



BROKEN ARROW, OKLA. 74012 • PHONE 918-250-7386 • FAX 918-250-7393

CUSTOMER PROJECT NO.:	CUSTOMER P.O. NO.: 000-6-20-T-ADQ	SHEET: 1 OF 1
CUSTOMER: YPFB TRANSPORTE S.A.	PROJECT: CARRASCO STATION 9394GSI/KBK4-1	
DRAWING NUMBER: 20173 - F6	ISSUE:	02