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0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG TH
			DRWN	CHKD APP

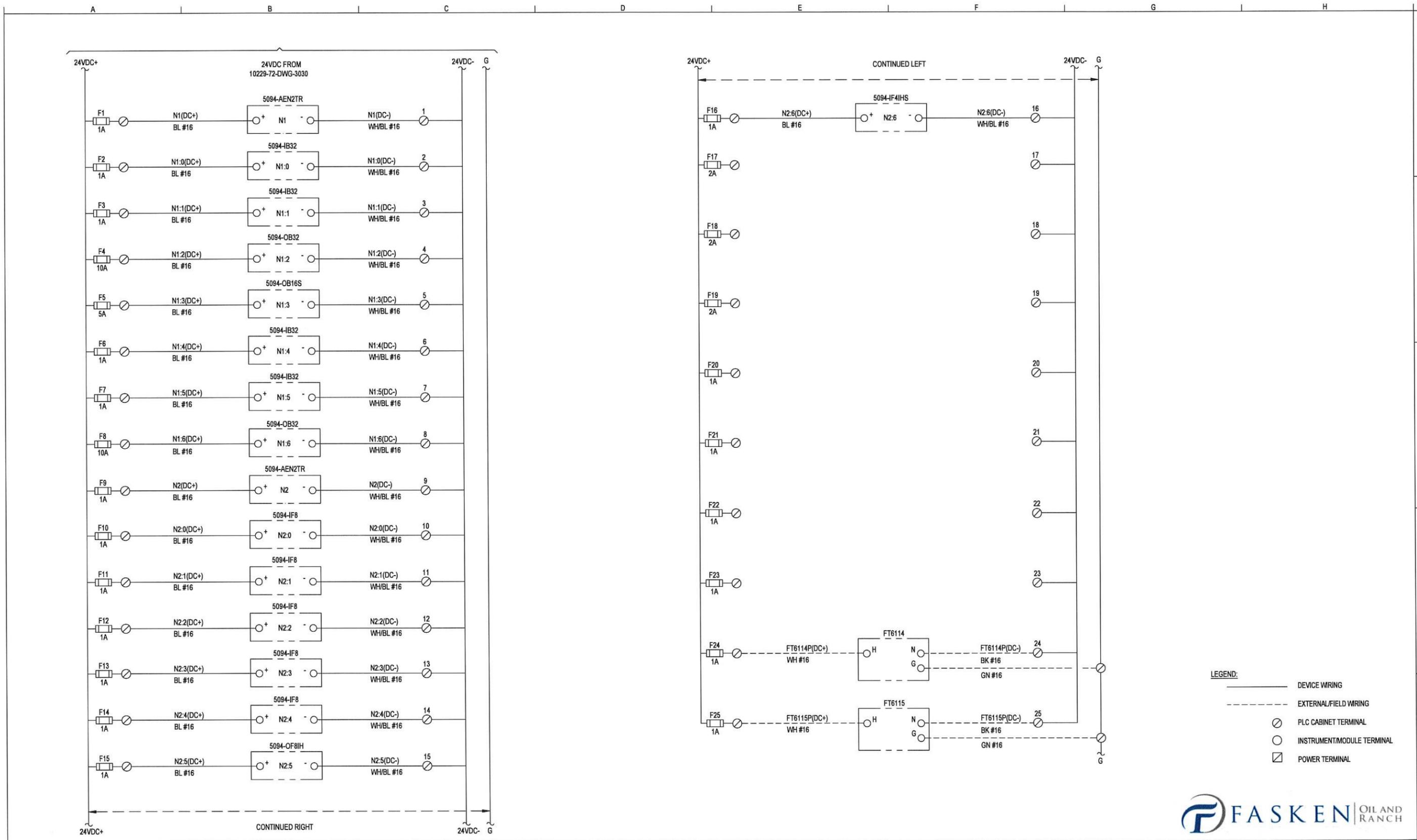

  
**ONWARD RESOURCES, LLC.**  
 TEXAS REGISTERED ENGINEERING FIRM, F-24097


  
**ATSI**  
 415 Commerce Drive  
 Amherst, NY 14228  
 716-691-9200 ATSI.COM



**FASKEN OIL AND RANCH**  
 FRAC WATER PIPELINE  
 72 - INSTRUMENTATION & CONTROLS  
 FEED BN PIT PUMP STATION PLC PANEL  
 I/O WIRING DIAGRAM (1 OF 3)

JOB No: 10229  
 DRAWING NO: 10229-72-DWG-3030  
 REV: 0



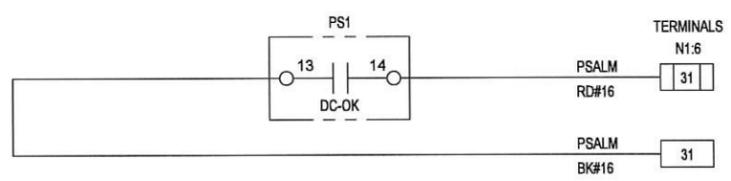
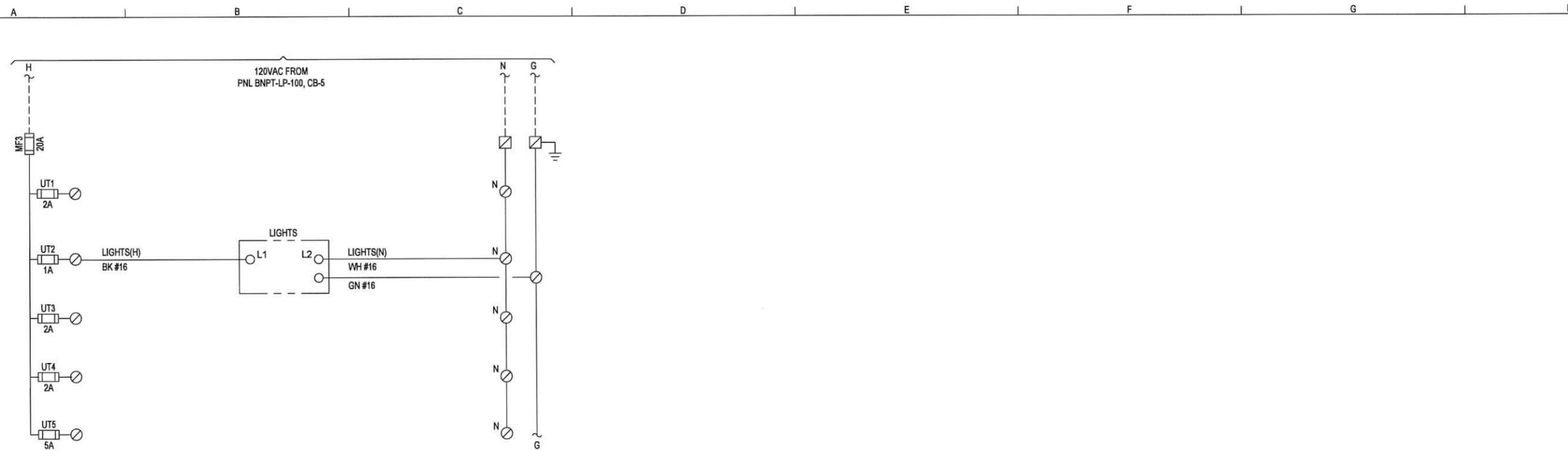
- LEGEND:**
- DEVICE WIRING
  - - - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL

REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH



FASKEN OIL AND RANCH  
 FRAC WATER PIPELINE  
 72 - INSTRUMENTATION & CONTROLS  
 FEED BN PIT PUMP STATION PLC PANEL  
 I/O WIRING DIAGRAM (2 OF 3)

JOB No: 10229	DRAWING NO: 10229-72-DWG-3031	REV: 0
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POWER SUPPLY ALARM CIRCUIT DETAIL

- LEGEND:**
- DEVICE WIRING
  - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL



REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
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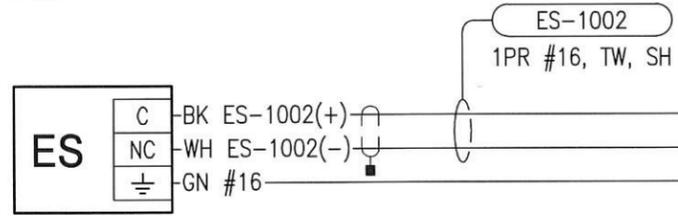
ONWARD RESOURCES, LLC.  
TEXAS REGISTERED ENGINEERING FIRM, F-24097

ATSI  
415 Commerce Drive  
Amherst, NY 14228  
716-691-9200 ATSI.COM

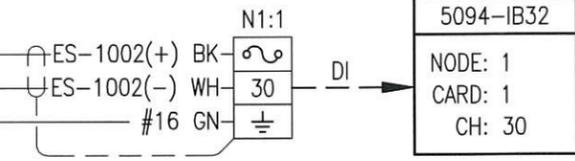
FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
FEED BN PIT PUMP STATION PLC PANEL  
I/O WIRING DIAGRAM (3 OF 3)

JOB No: 10229  
DRAWING NO: 10229-72-DWG-3032  
REV: 0

ES-1002



BNPT-PLC-100



BN PIT E-STOP LOOP

NOTES:

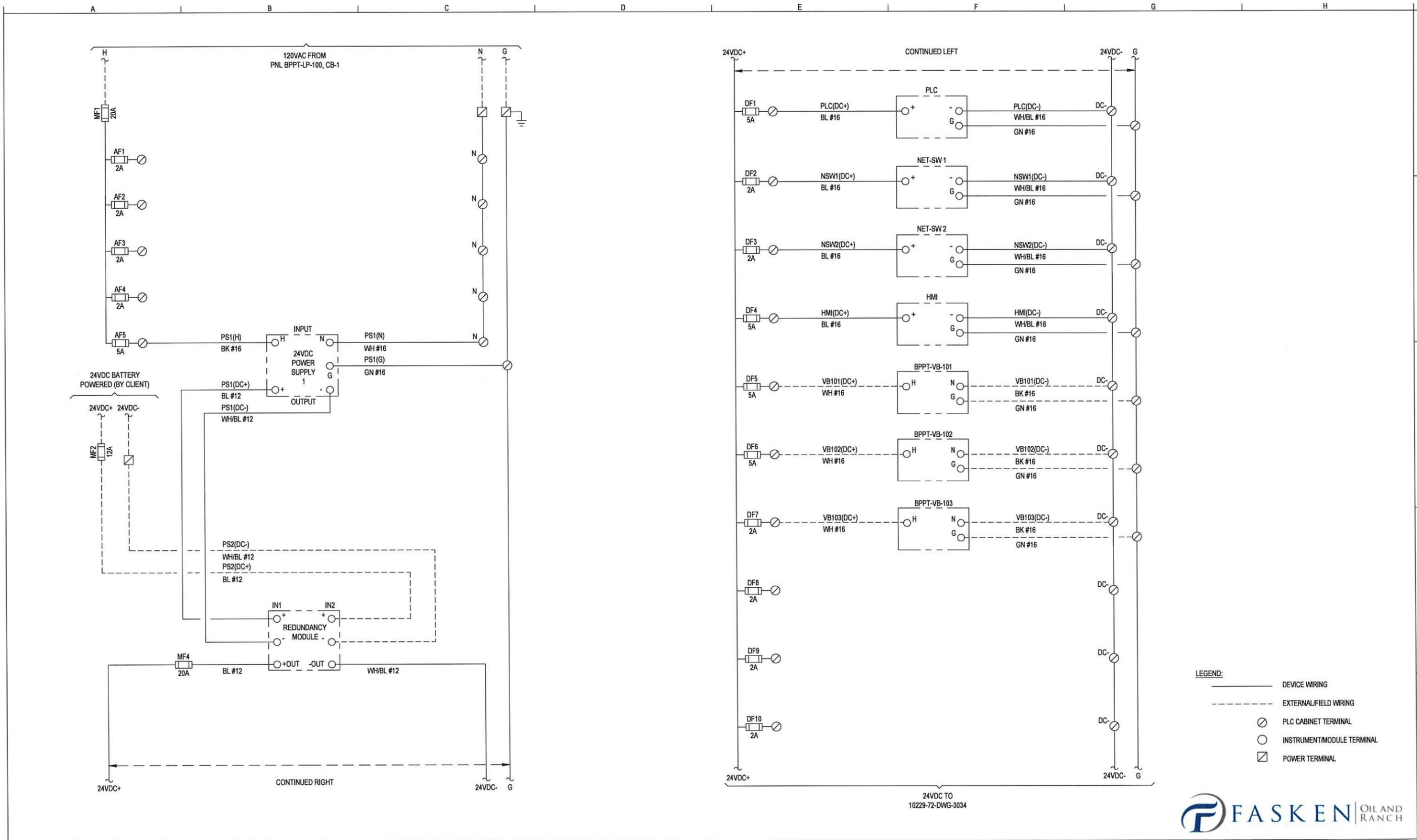
1. CONTRACTOR TO LABEL CABLES AND CONDUCTORS AS INDICATED. CABLES AND CONDUCTORS SHALL BE LABELED ON BOTH ENDS.
2. CONTRACTOR TO CUT AND TAPE SHIELDS AS INDICATED.
3. ALL CONDUCTORS ARE #16 UNLESS OTHERWISE NOTED.
4. ALL INPUTS ARE FUSED 0.1 AMPS ALL OUTPUTS ARE FUSED 0.5 AMPS.



REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	10/31/23	ISSUED FOR CONSTRUCTION	DJL	DG	TH



FASKEN OIL AND RANCH FRAC WATER PIPELINE 72- INSTRUMENTATION & CONTROLS BN PIT E-STOP LOOP DRAWING		
JOB No: 10229	DRAWING NO: 10229-72-DWG-4016	REV: 0



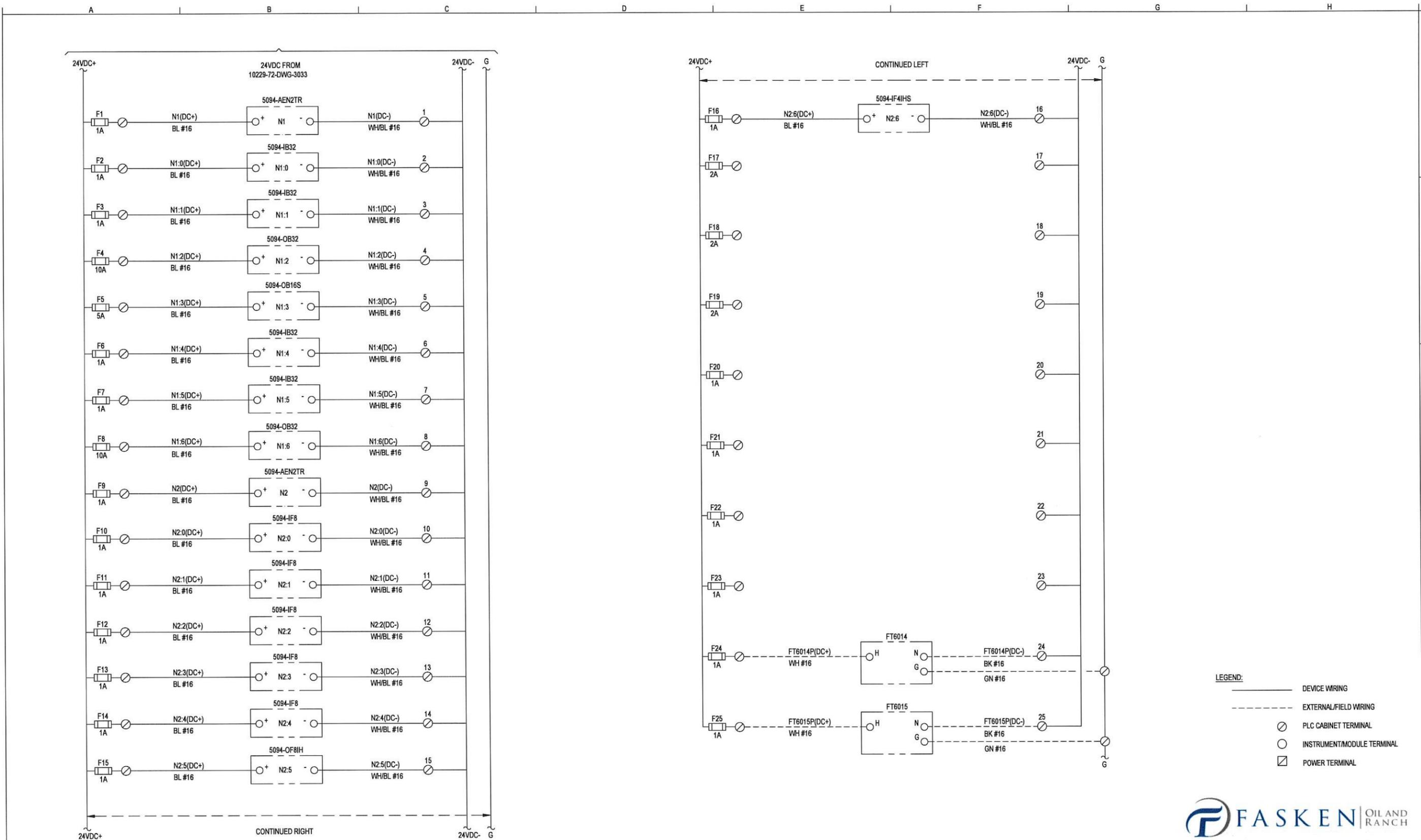
REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG TH



FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
FEED BP PIT PUMP STATION PLC PANEL  
I/O WIRING DIAGRAM (1 OF 3)

JOB No: 10229  
DRAWING No: 10229-72-DWG-3033  
REV: 0





- LEGEND:**
- DEVICE WIRING
  - - - - - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL

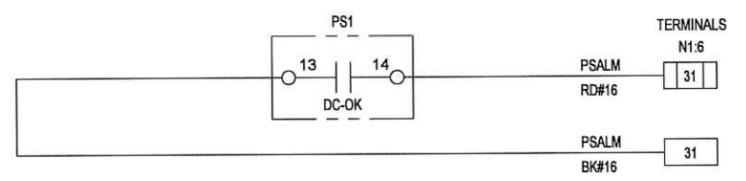
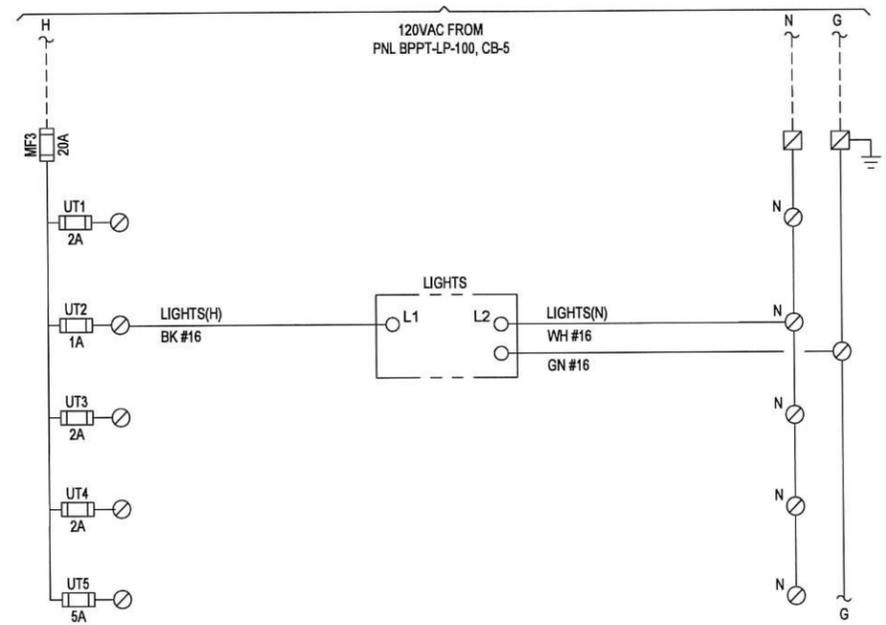
REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG



FASKEN OIL AND RANCH  
 FRAC WATER PIPELINE  
 72 - INSTRUMENTATION & CONTROLS  
 FEED BP PIT PUMP STATION PLC PANEL  
 I/O WIRING DIAGRAM (2 OF 3)

JOB No: 10229  
 DRAWING NO: 10229-72-DWG-3034  
 REV: 0

A B C D E F G H



POWER SUPPLY ALARM CIRCUIT DETAIL

- LEGEND:
- DEVICE WIRING
  - - - - - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL



REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG TH

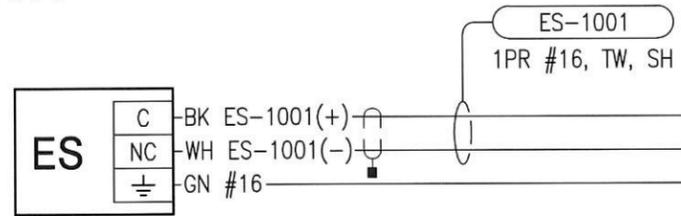
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TEXAS REGISTERED ENGINEERING FIRM, F-24097

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716-691-9200 ATSI.COM

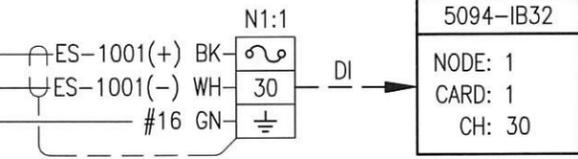
FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
FEED BP PIT PUMP STATION PLC PANEL  
I/O WIRING DIAGRAM (3 OF 3)

JOB No: 10229  
DRAWING NO: 10229-72-DWG-3035  
REV: 0

ES-1001



BPPT-PLC-100



BP PIT E-STOP LOOP

NOTES:

1. CONTRACTOR TO LABEL CABLES AND CONDUCTORS AS INDICATED. CABLES AND CONDUCTORS SHALL BE LABELED ON BOTH ENDS.
2. CONTRACTOR TO CUT AND TAPE SHIELDS AS INDICATED.
3. ALL CONDUCTORS ARE #16 UNLESS OTHERWISE NOTED.
4. ALL INPUTS ARE FUSED 0.1 AMPS ALL OUTPUTS ARE FUSED 0.5 AMPS.



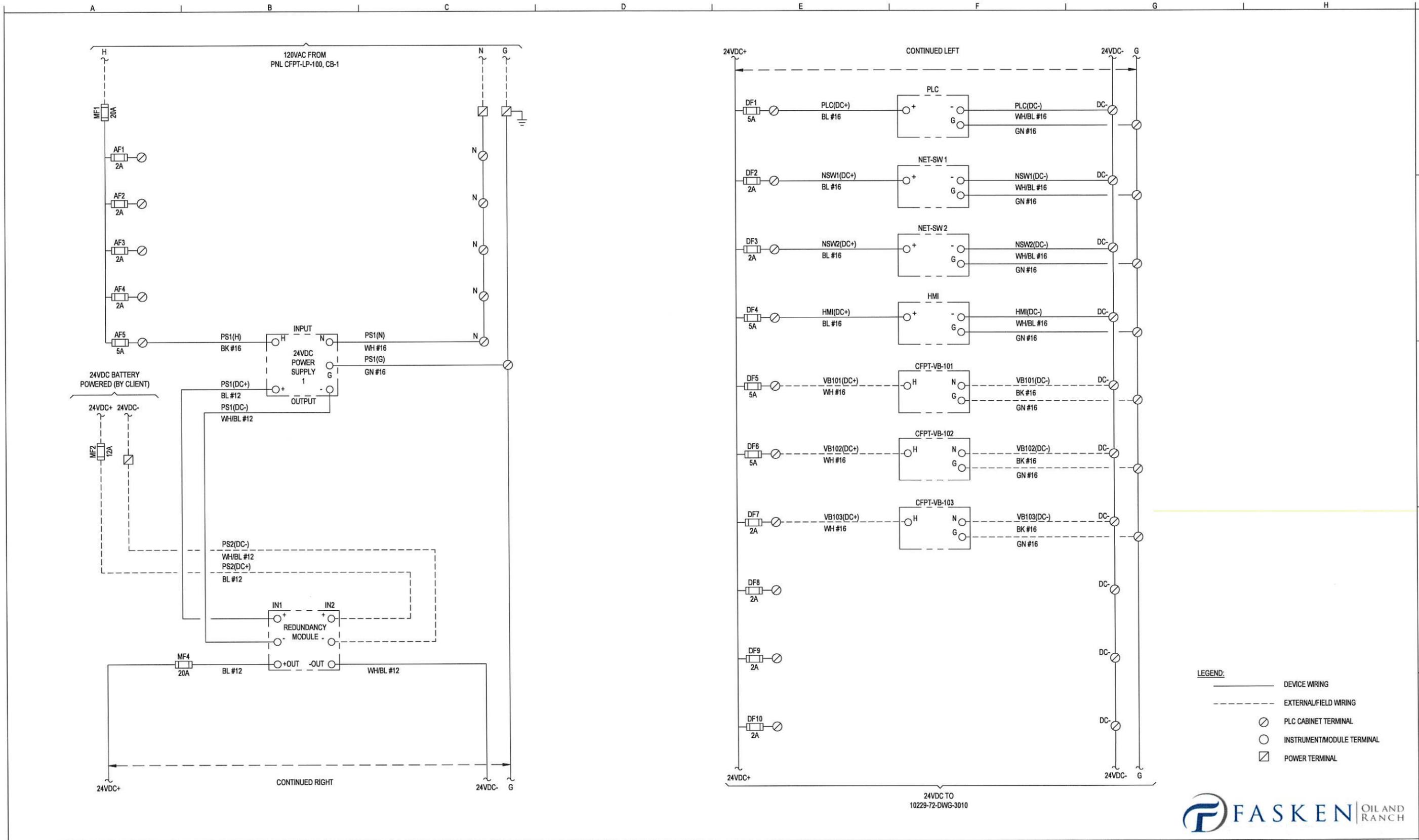
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ONWARD RESOURCES, LLC.  
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FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72- INSTRUMENTATION & CONTROLS  
PB PIT E-STOP  
LOOP DRAWING

JOB No: 10229  
DRAWING NO: 10229-72-DWG-4006  
REV: 0



**LEGEND:**

- DEVICE WIRING
- - - EXTERNAL/FIELD WIRING
- ⊗ PLC CABINET TERMINAL
- INSTRUMENT/MODULE TERMINAL
- ⊠ POWER TERMINAL

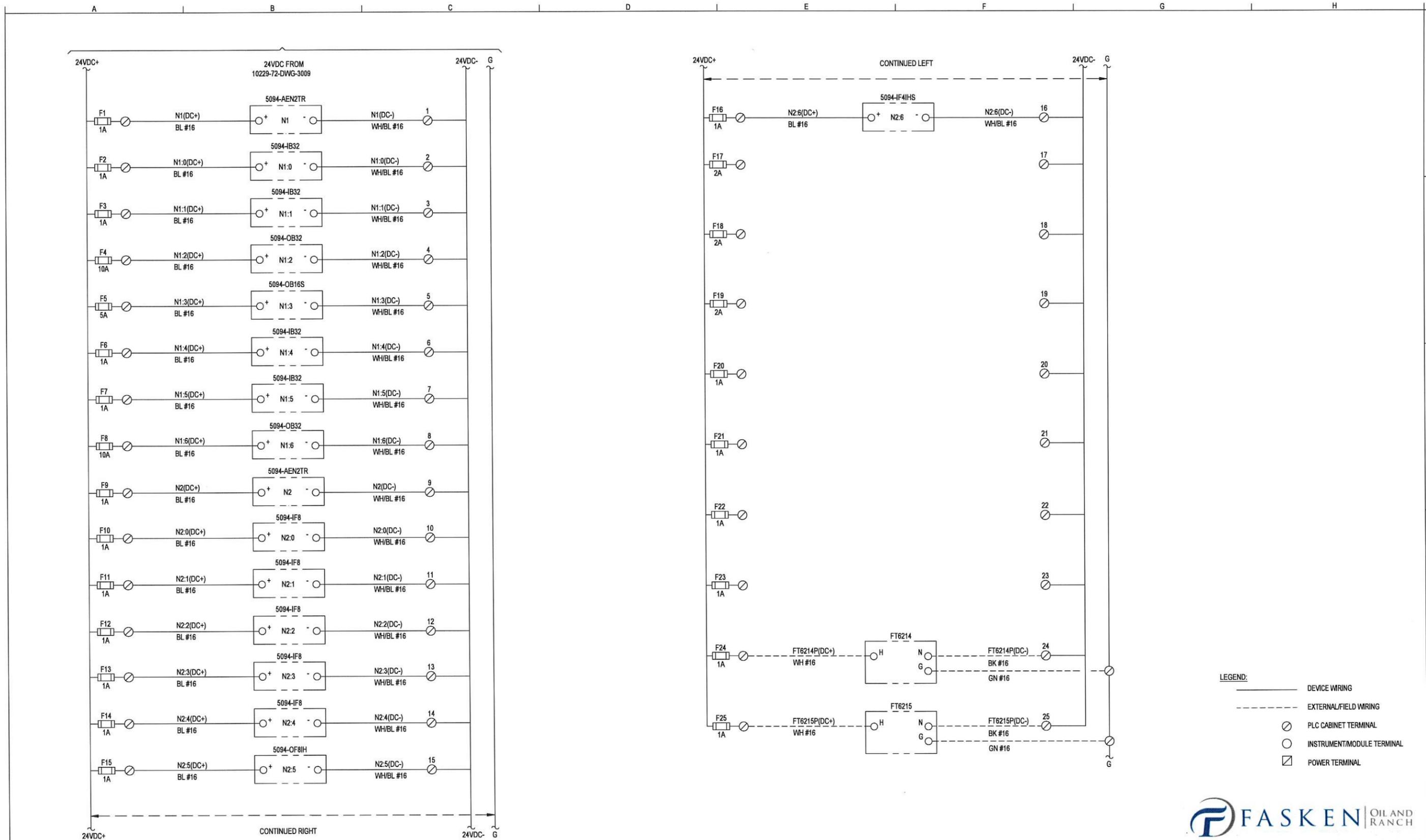
24VDC TO  
10229-72-DWG-3010



FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
CF PIT PUMP STATION PLC PANEL  
I/O WIRING DIAGRAM (1 OF 3)

REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
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JOB No: 10229  
DRAWING NO: 10229-72-DWG-3009  
REV: 0



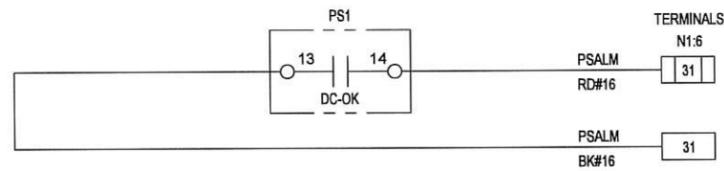
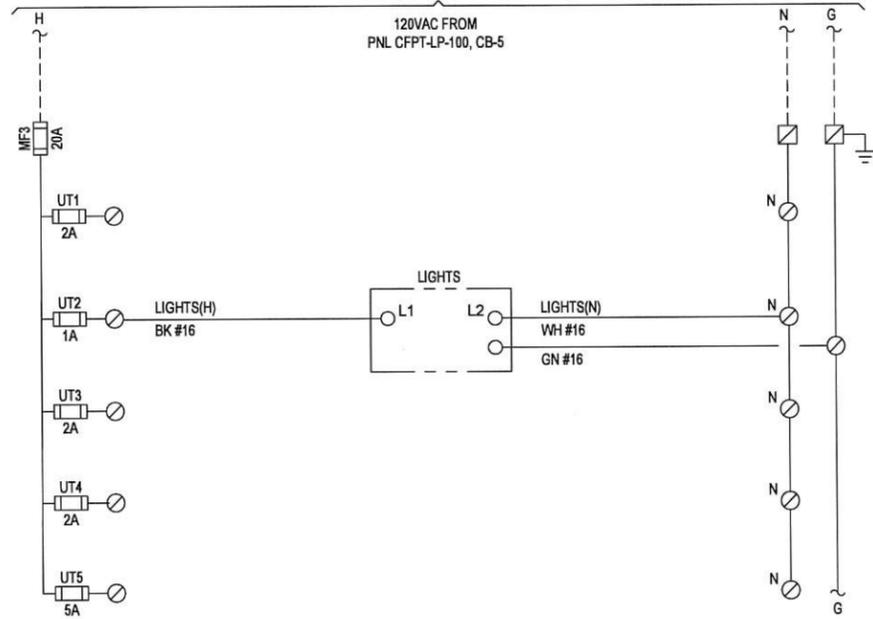
REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG



FASKEN OIL AND RANCH  
 FRAC WATER PIPELINE  
 72 - INSTRUMENTATION & CONTROLS  
 CF PIT PUMP STATION PLC PANEL  
 I/O WIRING DIAGRAM (2 OF 3)

JOB No: 10229  
 DRAWING NO: 10229-72-DWG-3010  
 REV: 0

A B C D E F G H



POWER SUPPLY ALARM CIRCUIT DETAIL

- LEGEND:
- DEVICE WIRING
  - - - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL



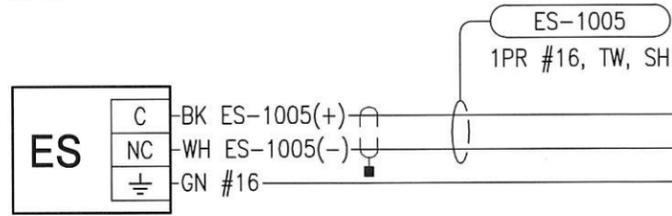
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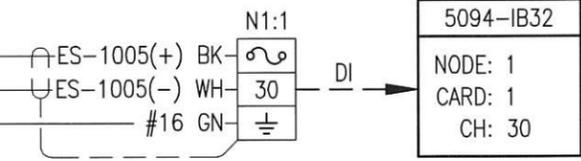
FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
CF PIT PUMP STATION PLC PANEL  
I/O WIRING DIAGRAM (3 OF 3)

JOB No: 10229  
DRAWING NO: 10229-72-DWG-3011  
REV: 0

ES-1005



CFPT-PLC-100



CF PIT E-STOP LOOP

NOTES:

1. CONTRACTOR TO LABEL CABLES AND CONDUCTORS AS INDICATED. CABLES AND CONDUCTORS SHALL BE LABELED ON BOTH ENDS.
2. CONTRACTOR TO CUT AND TAPE SHIELDS AS INDICATED.
3. ALL CONDUCTORS ARE #16 UNLESS OTHERWISE NOTED.
4. ALL INPUTS ARE FUSED 0.1 AMPS ALL OUTPUTS ARE FUSED 0.5 AMPS.



REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	10/31/23	ISSUED FOR CONSTRUCTION	DJL	DG	TH

ONWARD RESOURCES, LLC.  
TEXAS REGISTERED ENGINEERING FIRM, F-24097

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Amherst, NY 14228  
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FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72- INSTRUMENTATION & CONTROLS  
CF PIT E-STOP  
LOOP DRAWING

JOB No: 10229	DRAWING NO: 10229-72-DWG-4046	REV: 0
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PLC PANEL	CARD POSITION	I/O CARD	I/O CARD TEMPLATE
RS1-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
	N1:3	5094-IF8	10229-72-DWG-3108
RS2-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
RS3-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
RS4-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
CCR-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
PNPBR-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
CFR-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106

RISER PLC WIRING REFERENCE

PLC PANEL	CARD POSITION	I/O CARD	I/O CARD TEMPLATE
BS1-PLC-100	N1:0	5094-OB16S	10229-72-DWG-3105
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-IB32	10229-72-DWG-3101
	N1:3	5094-OB32	10229-72-DWG-3106
	N2:0	5094-IF8	10229-72-DWG-3103
	N2:1	5094-IF8	10229-72-DWG-3104
	N2:2	5094-OF8IH	10229-72-DWG-3107
	N2:3	5094-IF4IHS	10229-72-DWG-3102
	N2:4	5094-IB32	10229-72-DWG-3101
	N2:5	5094-IB32	10229-72-DWG-3101
	N2:6	5094-OB32	10229-72-DWG-3106
	BS2-PLC-100	N1:0	5094-OB16S
N1:1		5094-IB32	10229-72-DWG-3101
N1:2		5094-IB32	10229-72-DWG-3101
N1:3		5094-OB32	10229-72-DWG-3106
N2:0		5094-IF8	10229-72-DWG-3103
N2:1		5094-IF8	10229-72-DWG-3104
N2:2		5094-OF8IH	10229-72-DWG-3107
N2:3		5094-IF4IHS	10229-72-DWG-3102
N2:4		5094-IB32	10229-72-DWG-3101
N2:5		5094-IB32	10229-72-DWG-3101
N2:6		5094-OB32	10229-72-DWG-3106
BS3-PLC-100		N1:0	5094-OB16S
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-IB32	10229-72-DWG-3101
	N1:3	5094-OB32	10229-72-DWG-3106
	N2:0	5094-IF8	10229-72-DWG-3103
	N2:1	5094-IF8	10229-72-DWG-3104
	N2:2	5094-OF8IH	10229-72-DWG-3107
	N2:3	5094-IF4IHS	10229-72-DWG-3102
	N2:4	5094-IB32	10229-72-DWG-3101
	N2:5	5094-IB32	10229-72-DWG-3101
	N2:6	5094-OB32	10229-72-DWG-3106

BOOSTER PLC WIRING REFERENCE

PLC PANEL	CARD POSITION	I/O CARD	I/O CARD TEMPLATE
BNPT-PLC-100	N1:0	5094-IB32	10229-72-DWG-3101
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
	N1:3	5094-OB16S	10229-72-DWG-3105
	N1:4	5094-IB32	10229-72-DWG-3101
	N1:5	5094-IB32	10229-72-DWG-3101
	N1:6	5094-OB32	10229-72-DWG-3106
	N2:0	5094-IF8	10229-72-DWG-3103
	N2:1	5094-IF8	10229-72-DWG-3103
	N2:2	5094-IF8	10229-72-DWG-3103
	N2:3	5094-IF8	10229-72-DWG-3104
	BPPT-PLC-100	N1:0	5094-IB32
N1:1		5094-IB32	10229-72-DWG-3101
N1:2		5094-OB32	10229-72-DWG-3106
N1:3		5094-OB16S	10229-72-DWG-3105
N1:4		5094-IB32	10229-72-DWG-3101
N1:5		5094-IB32	10229-72-DWG-3101
N1:6		5094-OB32	10229-72-DWG-3106
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N2:2		5094-IF8	10229-72-DWG-3103
N2:3		5094-IF8	10229-72-DWG-3104
CFPT-PLC-100		N1:0	5094-IB32
	N1:1	5094-IB32	10229-72-DWG-3101
	N1:2	5094-OB32	10229-72-DWG-3106
	N1:3	5094-OB16S	10229-72-DWG-3105
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	N1:5	5094-IB32	10229-72-DWG-3101
	N1:6	5094-OB32	10229-72-DWG-3106
	N2:0	5094-IF8	10229-72-DWG-3103
	N2:1	5094-IF8	10229-72-DWG-3103
	N2:2	5094-IF8	10229-72-DWG-3103
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	N2:4	5094-IF8	10229-72-DWG-3104
N2:5	5094-OF8IH	10229-72-DWG-3107	
N2:6	5094-IF4IHS	10229-72-DWG-3102	

PIT STATION PLC WIRING REFERENCE

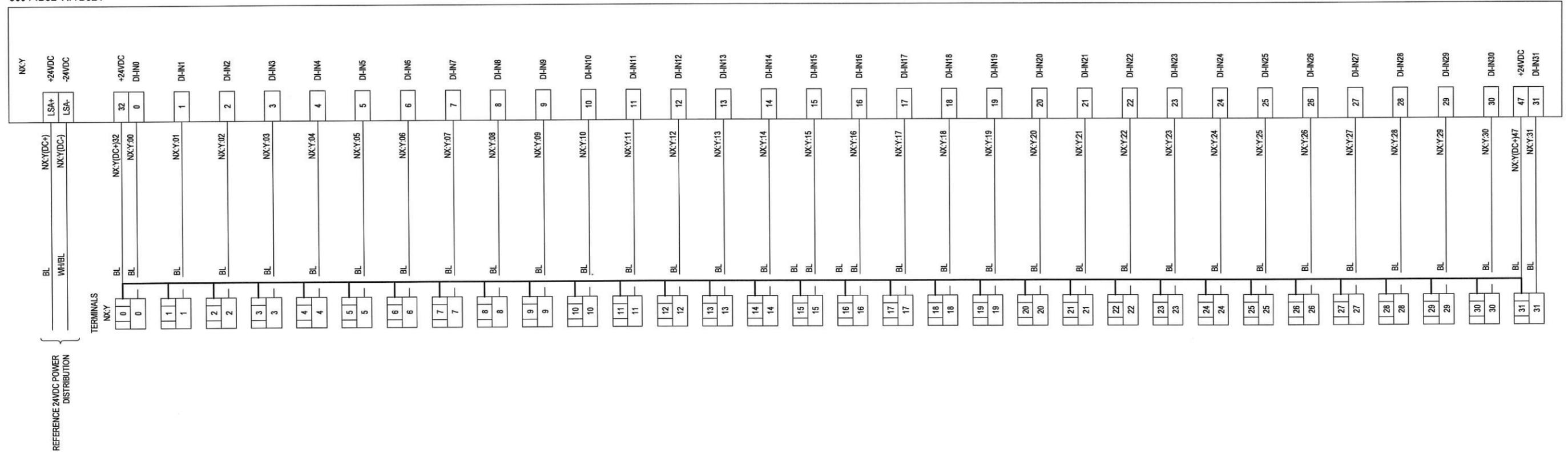
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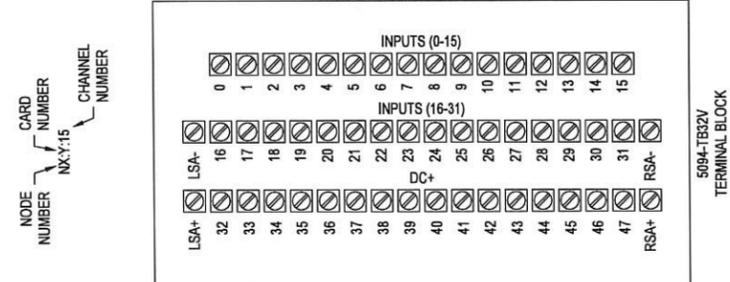
FASKEN OIL AND RANCH  
 FRAC WATER PIPELINE  
 72 - INSTRUMENTATION & CONTROLS  
 I/O MODULE WIRING  
 TEMPLATE REFERENCES

JOB No: 10229 DRAWING NO: 10229-72-DWG-3100 REV: 0

24VDC INPUTS  
5094-IB32 W/TB32V



REFERENCE 24VDC POWER DISTRIBUTION



NOTES:

- ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
- ALL FUSES ARE 100mA.
- COMMON TERMINALS ARE JUMPED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
- ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

5094-IB32 I/O CARD WIRING

REVISIONS					
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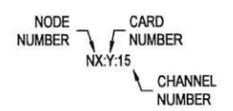
ONWARD RESOURCES, LLC.  
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716-691-9200 ATSI.COM

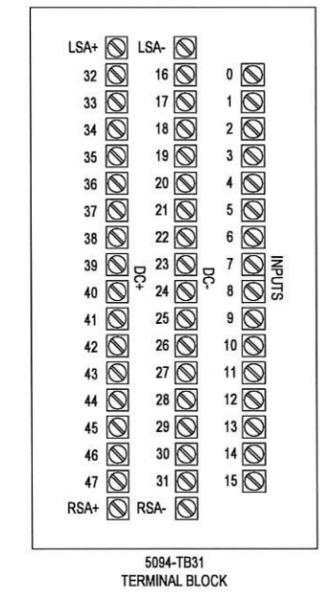
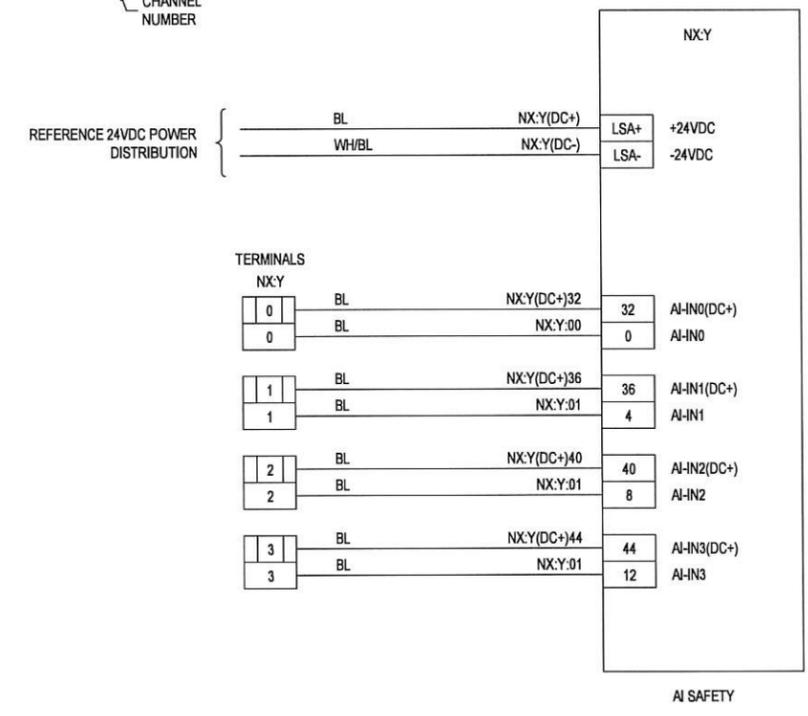
FASKEN OIL AND RANCH

FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-IB32

JOB No: 10229	DRAWING NO: 10229-72-DWG-3101	REV: 0
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**ANALOG INPUTS**  
5094-IF4IHS W/TB31



**NOTES:**

1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
2. ALL FUSES ARE 100mA.
3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

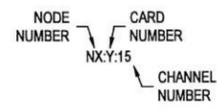
5094-IF4IHS I/O CARD WIRING



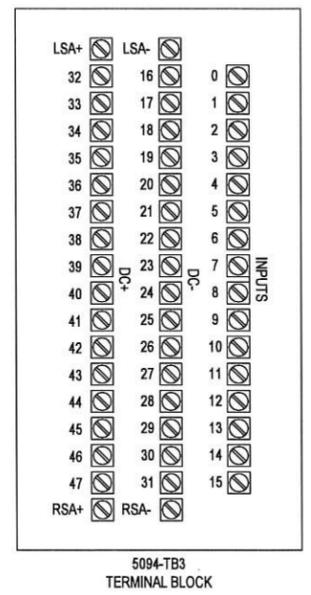
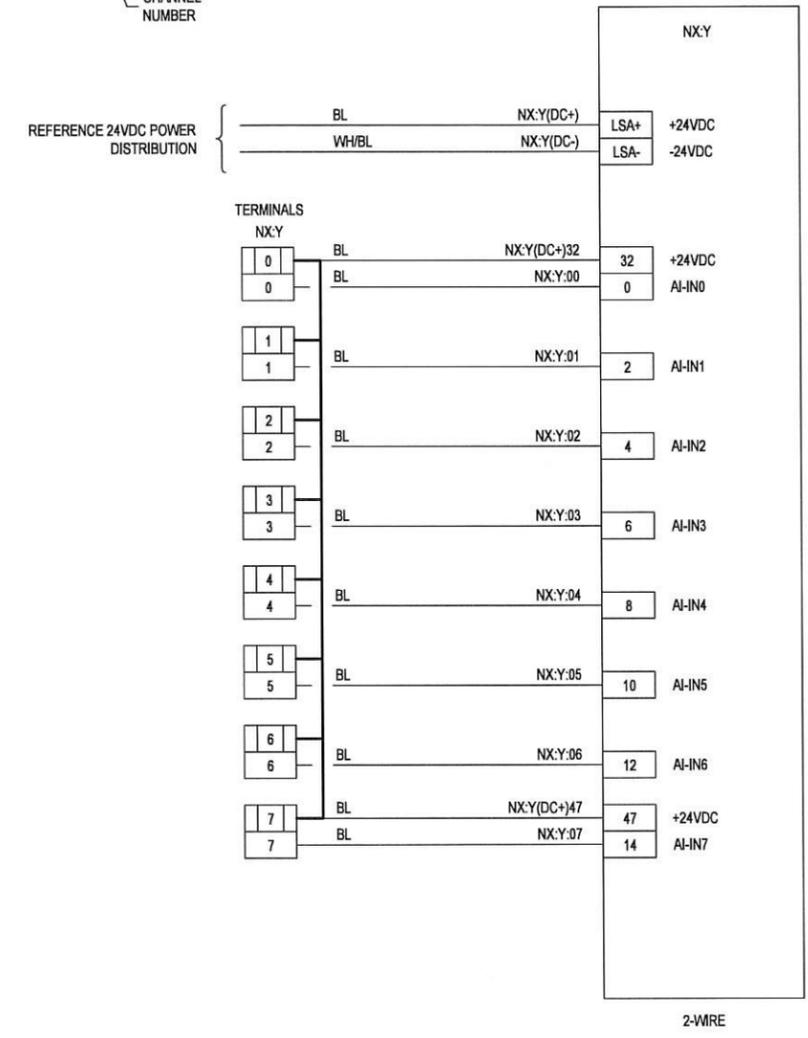
REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH



FASKEN OIL AND RANCH FRAC WATER PIPELINE 72 - INSTRUMENTATION & CONTROLS I/O MODULE WIRING 5094-IF4IHS		
JOB No: 10229	DRAWING NO: 10229-72-DWG-3102	REV: 0



**ANALOG INPUTS  
5094-IF8 W/TB3**



**NOTES:**

1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
2. ALL FUSES ARE 100mA.
3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

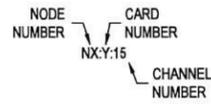
5094-IF8-2W I/O CARD WIRING



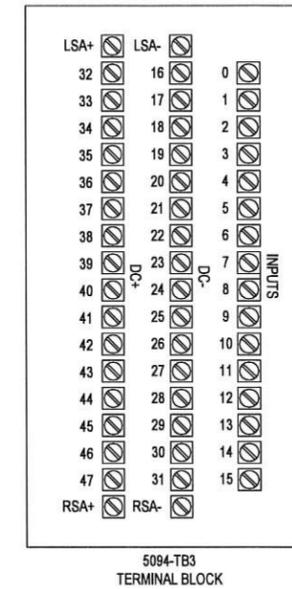
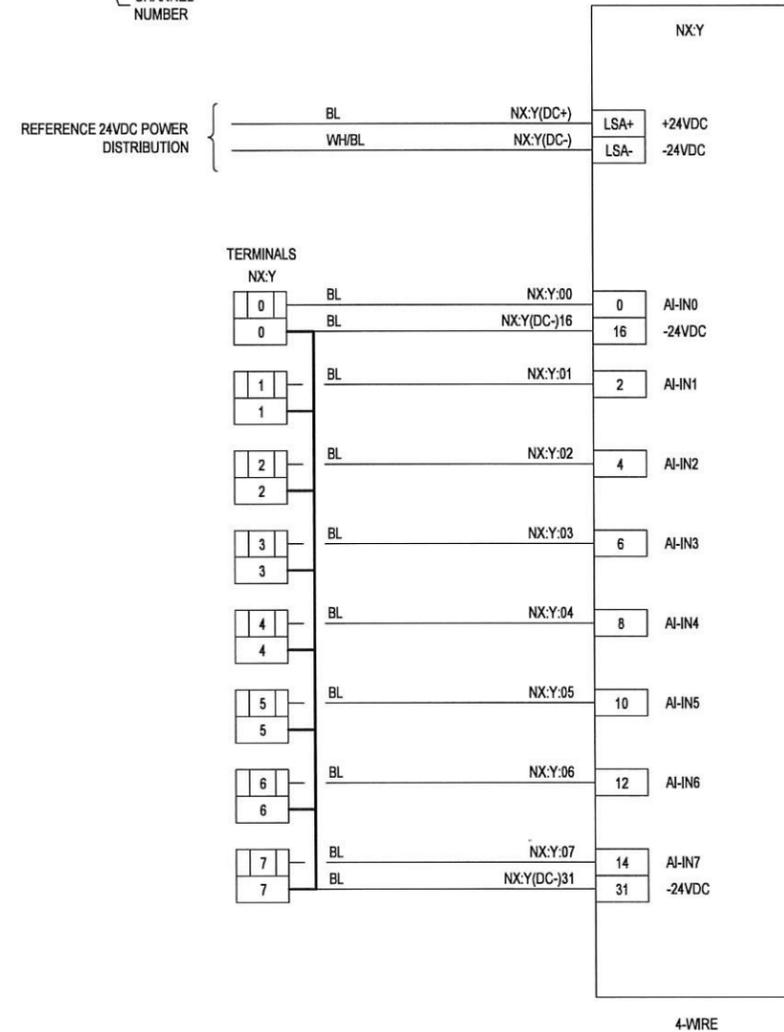
REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH

FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-IF8-2W

JOB No: 10229  
DRAWING NO: 10229-72-DWG-3103  
REV: 0



ANALOG INPUTS  
5094-IF8 WTB3



NOTES:

1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
2. ALL FUSES ARE 100mA.
3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

5094-IF8-4W I/O CARD WIRING



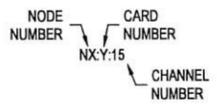
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REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH



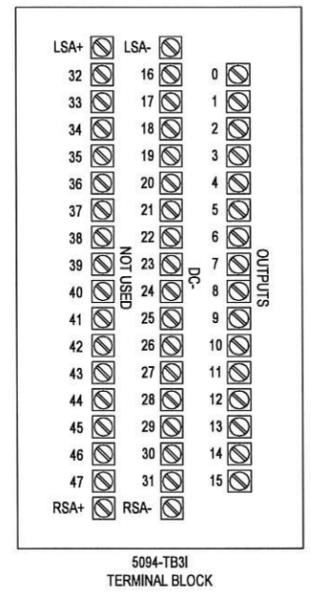
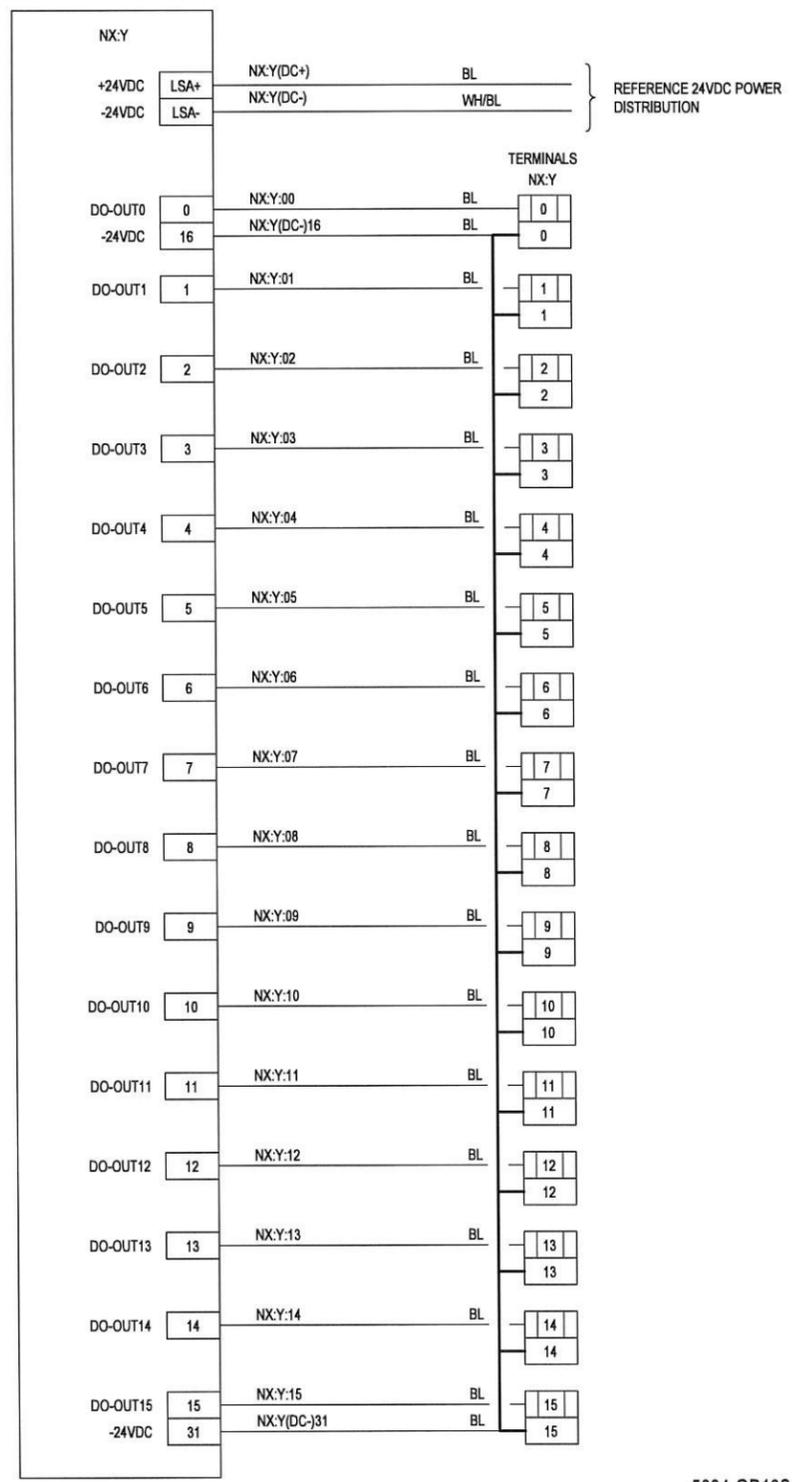
FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-IF8-4W

JOB No: 10229	DRAWING NO: 10229-72-DWG-3104	REV: 0
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A B C D E F G H



24VDC OUTPUTS  
5094-OB16S W/TB31



NOTES:

1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
2. ALL FUSES ARE 500mA.
3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

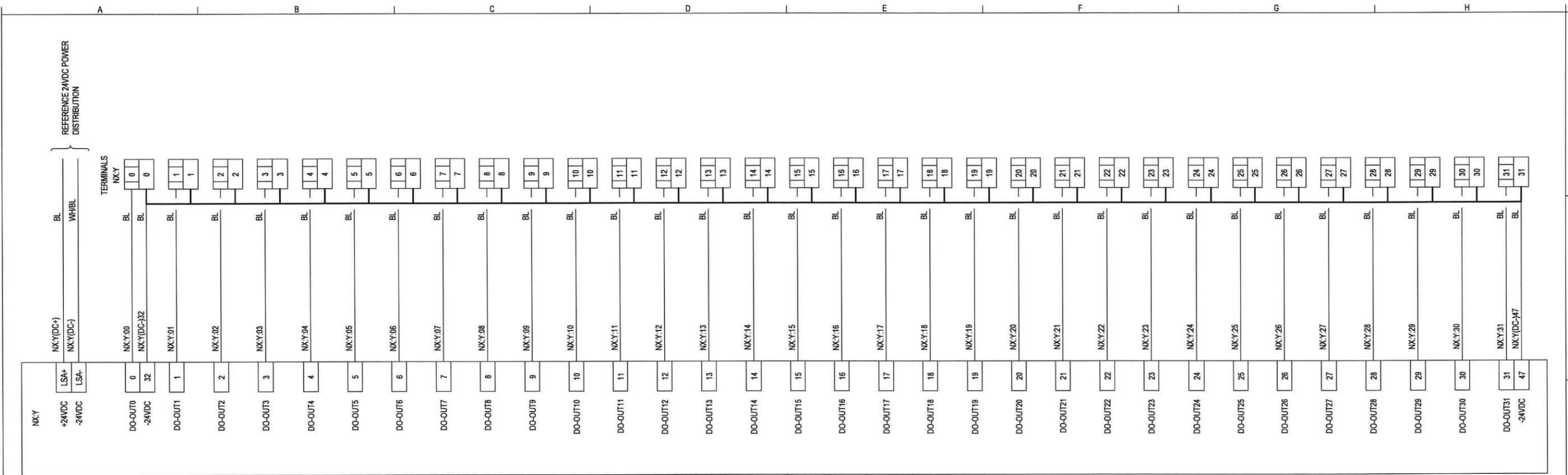
5094-OB16S I/O CARD WIRING

REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
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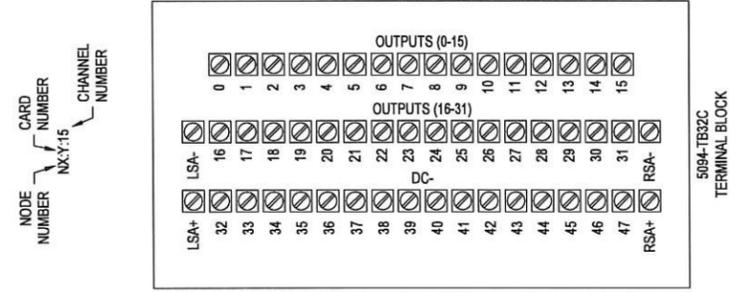


FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-OB16S

JOB No: 10229	DRAWING NO: 10229-72-DWG-3105	REV: 0
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24VDC OUTPUTS  
5094-OB32 W/TB32C



- NOTES:**
1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
  2. ALL FUSES ARE 500mA.
  3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
  4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

5094-OB32 I/O CARD WIRING

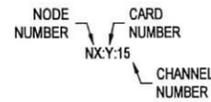
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REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH



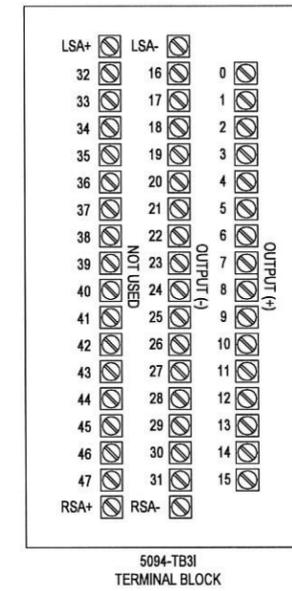
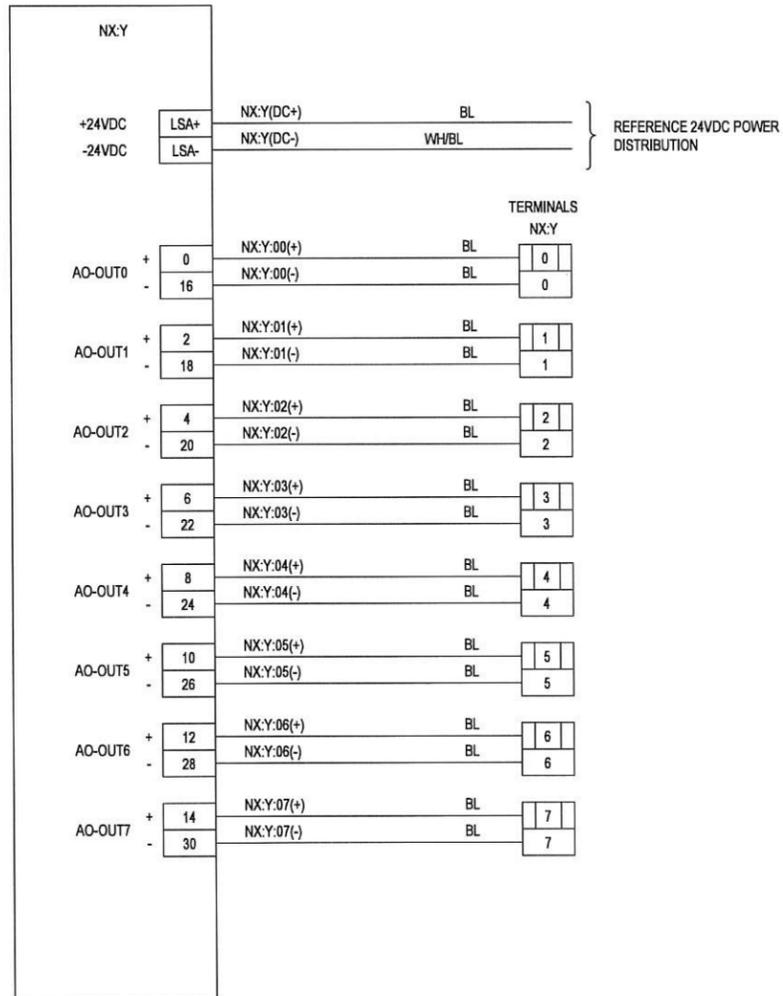
FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-OB32

JOB No: 10229  
DRAWING NO: 10229-72-DWG-3106  
REV: 0





**ANALOG OUTPUTS**  
5094-OF8IH W/TB3I



**NOTES:**

1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
2. ALL FUSES ARE 100mA.
3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

5094-OF8IH I/O CARD WIRING

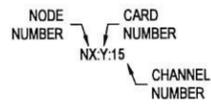


REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH

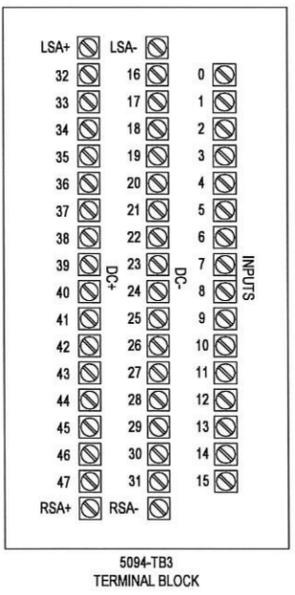
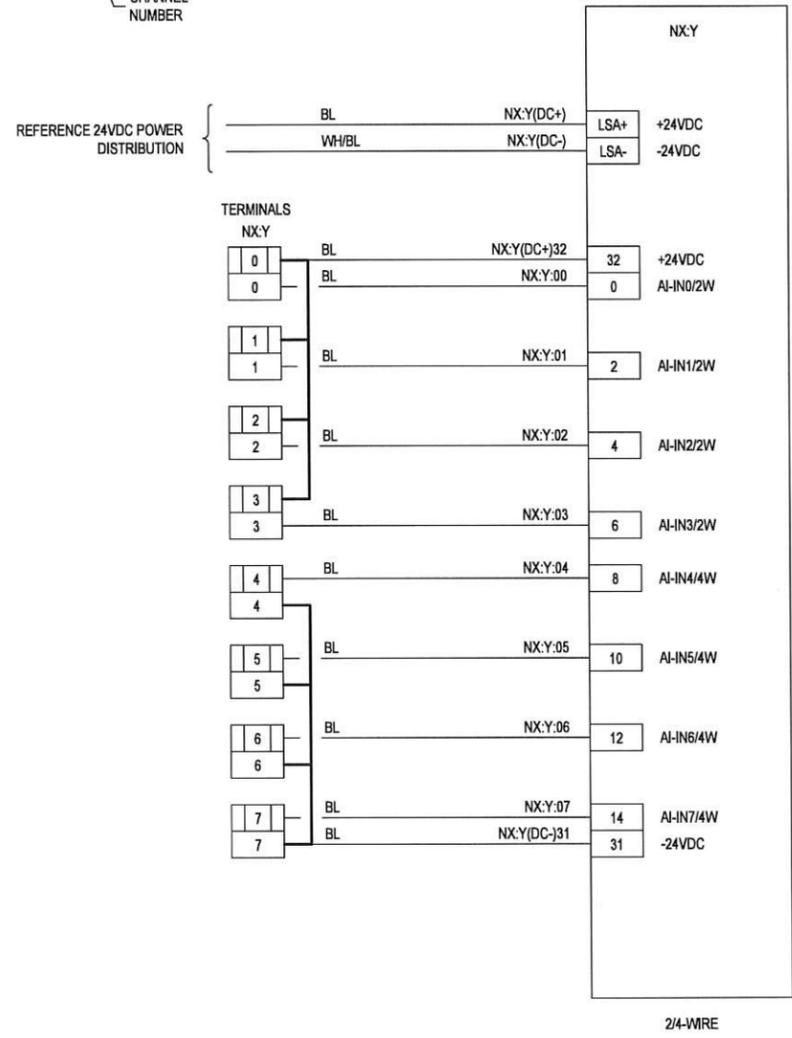


FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-OF8IH

JOB No: 10229	DRAWING NO: 10229-72-DWG-3107	REV: 0
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**ANALOG INPUTS  
5094-IF8 W/TB3**



- NOTES:**
1. ALL WIRES SHALL BE LABELED ON BOTH ENDS WITH HEAT SHRINK LABELS.
  2. ALL FUSES ARE 100mA.
  3. COMMON TERMINALS ARE JUMPERED USING PHOENIX CONTACT NO. 3032208 INSERTION BRIDGE.
  4. ALL WIRING TO BE #16 GAUGE UNLESS NOTED OTHERWISE.

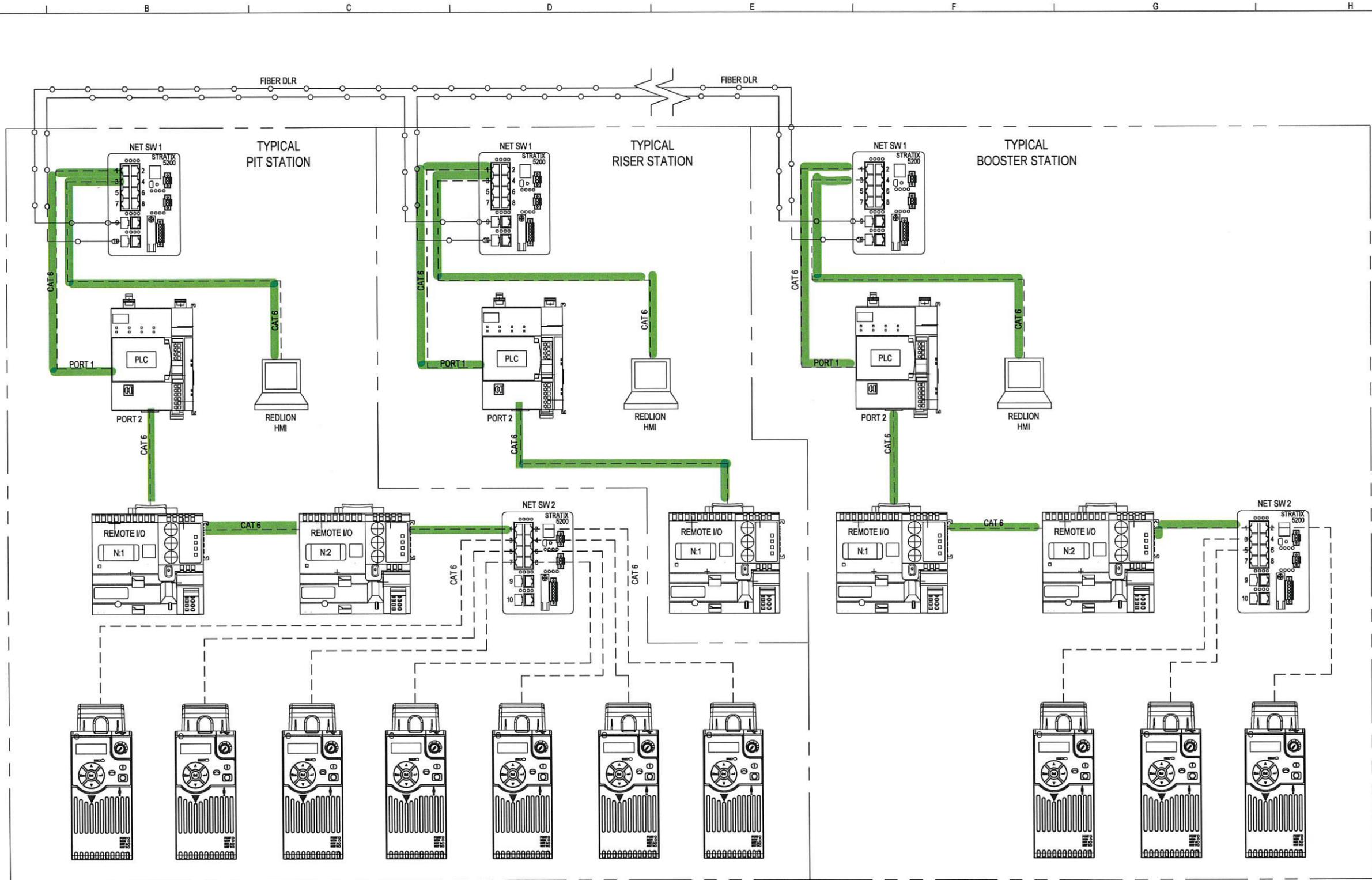
5094-IF8-2W/4W I/O CARD WIRING



FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
I/O MODULE WIRING  
5094-IF8-2W/4W

REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG TH

JOB No: 10229	DRAWING NO: 10229-72-DWG-3108	REV: 0
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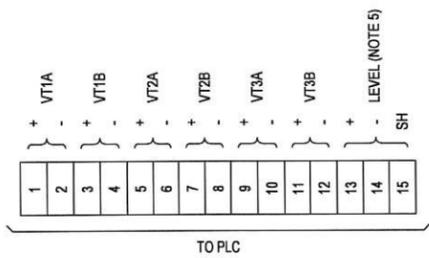
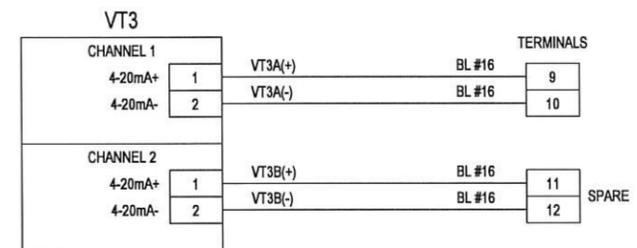
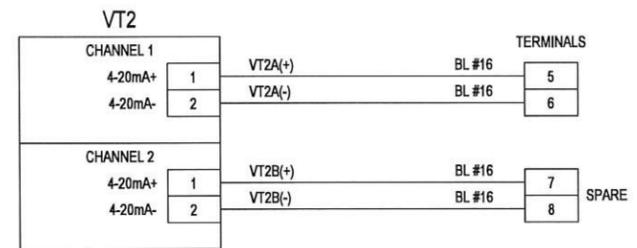
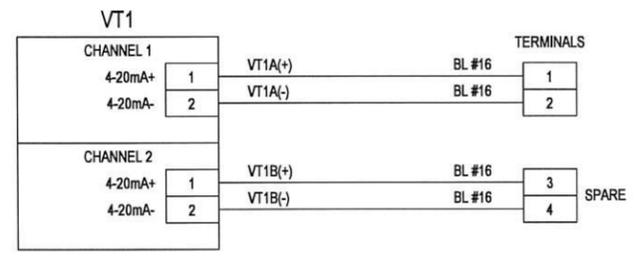
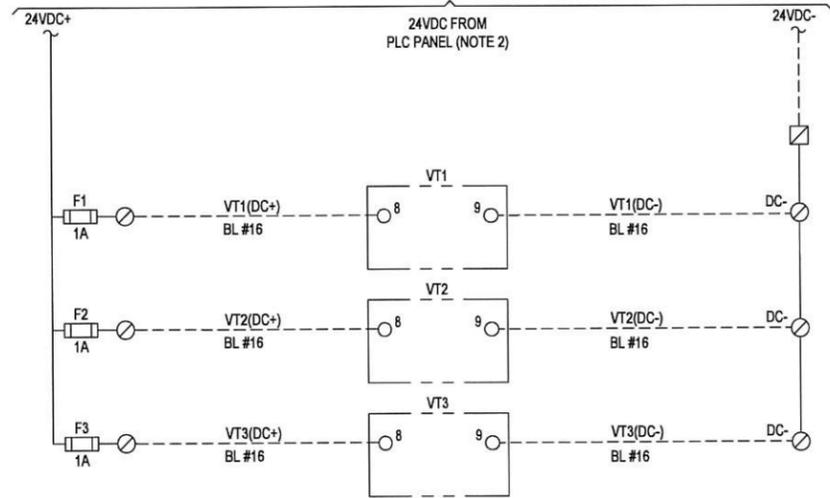


FASKEN OIL AND RANCH  
 FRAC WATER PIPELINE  
 74 - INSTRUMENTATION & CONTROLS  
 NETWORK ARCHITECTURE DRAWING

REVISIONS					
REV	DATE	DESCRIPTION	DRWN	CHKD	APP
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG	TH

415 Commerce Drive  
 Amherst, NY 14228  
 716-691-9200 ATSI.COM

JOB No: 10229  
 DRAWING NO: 10229-74-DWG-0010  
 REV: 0



NOTE 4

NOTES:

- REFER TO DRAWING 10229-71-DWG-2039 FOR INDIVIDUAL VIBRATION PANEL TRANSMITTER REQUIREMENTS AND TAG NAMES.
- REFER TO INDIVIDUAL PLC CABINET POWER DISTRIBUTION DRAWINGS FOR MAIN POWER FEED TO ASSOCIATED VIBRATION PANELS.
- CONDUCTORS SHALL BE LABELED WITH HEAT SHRINK LABELS AFFIXED TO BOTH ENDS OF THE CONDUCTOR.
- TRANSMITTER MAY NOT BE INSTALLED FOR ALL PANELS. SEE NOTE 1.
- TERMINALS USED FOR LEVEL TRANSMITTER MARSHALLING WHEN REQUIRED. SEE NOTE 1.

VIBRATION PANEL POWER DISTRIBUTION AND INTERNAL WIRING

- LEGEND:
- DEVICE WIRING
  - EXTERNAL/FIELD WIRING
  - ⊗ PLC CABINET TERMINAL
  - INSTRUMENT/MODULE TERMINAL
  - ⊠ POWER TERMINAL

REVISIONS				
REV	DATE	DESCRIPTION	DRWN	CHKD
0	09/29/23	ISSUED FOR CONSTRUCTION	CMK	DG TH

FASKEN OIL AND RANCH  
FRAC WATER PIPELINE  
72 - INSTRUMENTATION & CONTROLS  
VIBRATION PANEL  
INTERNAL WIRING

JOB No: 10229 DRAWING NO: 10229-72-DWG-3039 REV: 0