

NOTES

- 1) ALL DIMENSIONS GIVEN IN INCHES UNLESS OTHERWISE SPECIFIED.
- 2) DESIGN CONDITIONS:
 MAX PRESSURE 115 PSI
 MAX TEMPERATURE 140 °F
 98 GPM @ 70' TDH
- 3) APPROXIMATE MASS: 747 LBS (DRY)

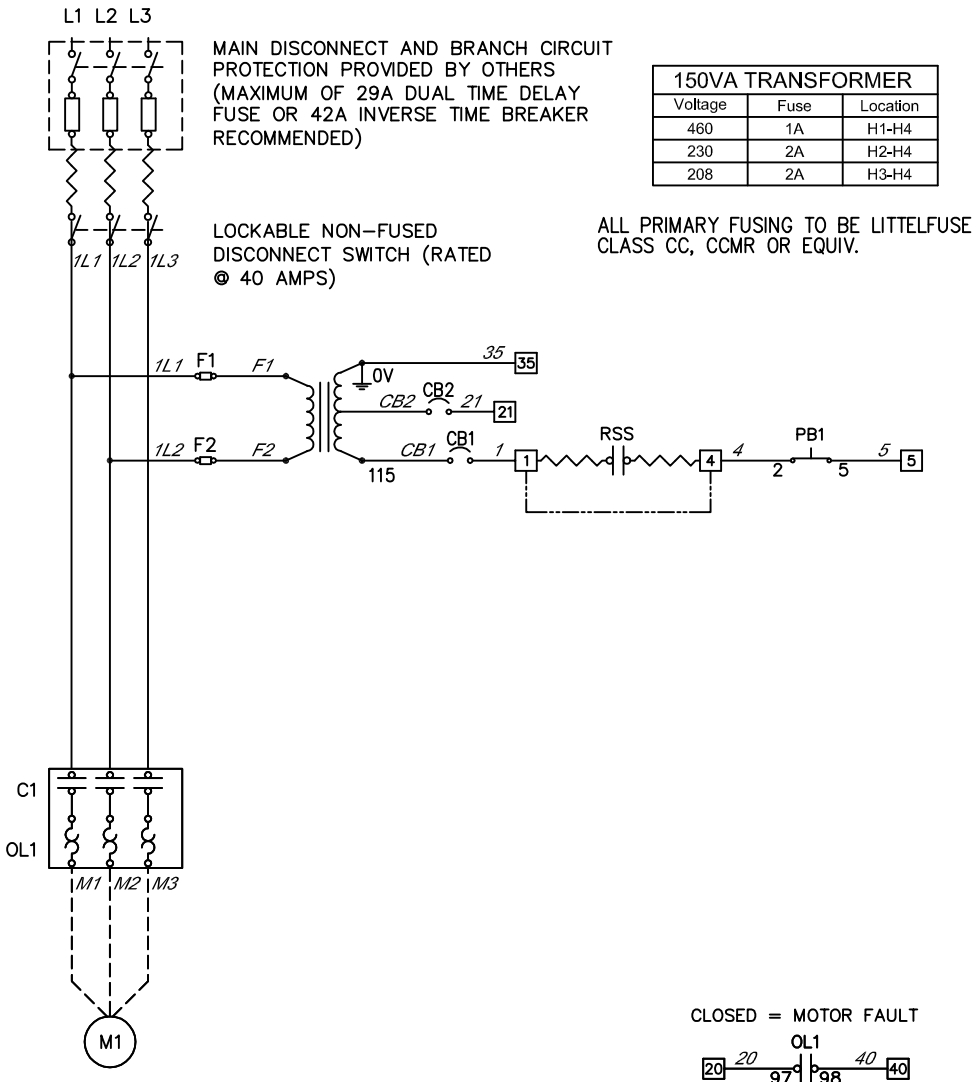
#	COMPONENT
1	NEMA 4X, UL, 460V/3PH/60Hz CONTROL PANEL
2	FILTER: (x2) 3" TAF-750, 50 MICRON SCREEN
3	PUMP: 5HP 3600RPM, 460/3/60, 98 GPM @ 70' TDH
4	PURGE: 1-1/2" FLANGED
5	BASE: EPOXY COATED CARBON STEEL
6	FACE PIPE: 4" 304SS
7	ISOLATION VALVES: (x4) 4" GRUVLOK 7600 VALVE

Amiad WATER SYSTEMS
 120-J TALBERT ROAD
 MOORESVILLE, NC 28117
 PH: (704) 662-3133
 FAX: (704) 662-3155

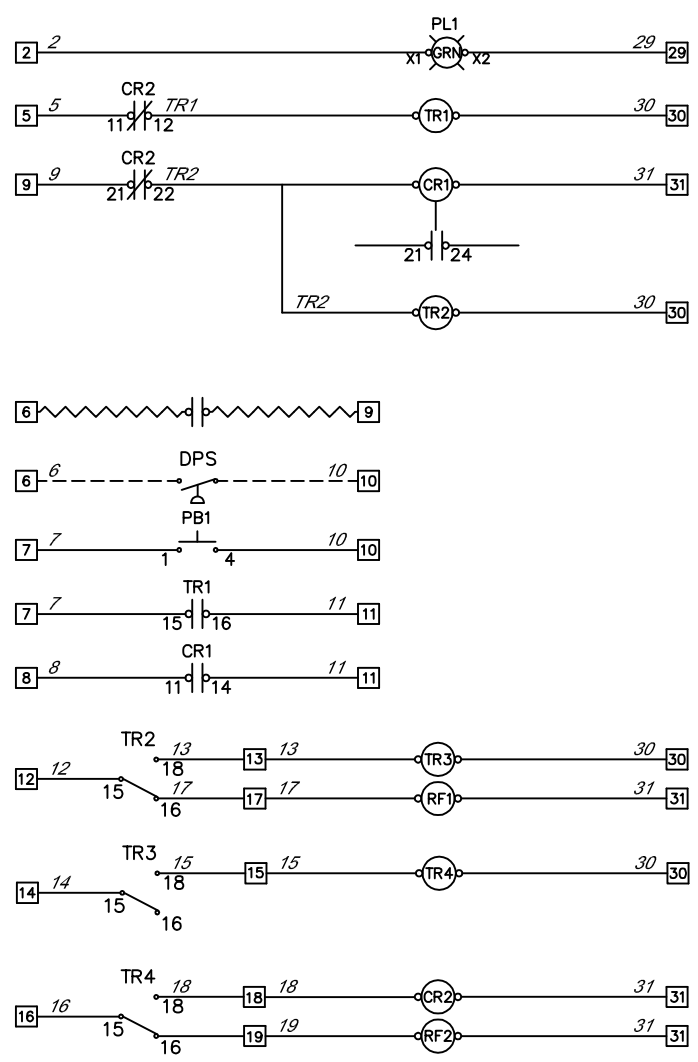
DRAWING DATE: 8/4/2016		DRAWING TITLE: FILTER SKID DUAL 3" TAF-750 With Pump and Controls	
SCALE: 1:16		DRAWING NUMBER: 700301-000037	
SHEET 1 OF 2		CAT NUMBER: 700301-000037	
DRAWN BY: MAV	CHECKED BY: SAL	REV. NO. 0	APPROVED BY: _____
GENERAL TOLERANCES (EXCEPT AS NOTED)		ANGULAR ± 1° FRACTIONAL ± 1/8" DEC: 2 PL ± 0.05", 3 PL ± 0.010"	

NO.	REVISION NOTES	DATE	BY

460V/3 ϕ /60 Hz



MAX. VOLTAGE: 600V
MAX. AMPERES: 16A



- POWER ON
- CYCLE TIMER (0.05S-60HRS)
- FLUSH CONTROL
- FLUSH IN PROGRESS
- FILTER 1 FLUSH DURATION
- REMOTE START
- DIFFERENTIAL PRESSURE
- FLUSH
- CYCLE TIMER
- TR3 DWELL TIMER
- FILTER 1 CONTROL
- TR4 FILTER 2 FLUSH DURATION
- RESET
- FILTER 2 CONTROL

POWER	POWER	460V/3~/60HZ
	TOTAL FLA	16.0
	SCCR	5 kA RMS SYMMETRICAL, 600V MAX.
	LARGEST MTR.	N/A

ENCLOSURE	STANDARD	UL 508A
	SIZE	16"L x 14"W x 7"D
	UL RATING	TYPE 4X
	MATERIAL	POLYCARBONATE

- GROUND PER 2011 NATIONAL ELECTRICAL CODE ARTICLE 250.
- PANEL WIRING: _____
FIELD WIRING: _____
CUSTOMER'S WIRING: _____
FACTORY INSTALLED JUMPER: _____
- USE COPPER WIRE RATED 60°C MINIMUM UNLESS OTHERWISE SPECIFIED.
- DISCONNECT SWITCH TORQUE REQUIREMENTS: 35 LB IN. CONTACTOR/OVERLOAD TORQUE REQUIREMENTS: 7-10 LB IN.
- SIZE THE MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION PER 2011 NATIONAL ELECTRIC CODE ARTICLE 430.

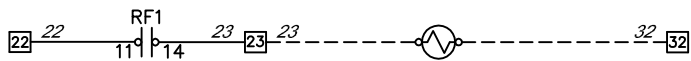
- CONDUIT HUBS AND FITTINGS MUST HAVE THE SAME UL ENVIRONMENTAL RATING AS THE CONTROL PANEL ENCLOSURE.
- WIRE COLORS ARE AS FOLLOWS-LINE=BLACK, AC=RED, NEUTRAL=WHITE, DC+=BLUE, DC-=WHITE/BLUE, GROUND=GREEN/YELLOW, EXTERNAL SOURCE=YELLOW.

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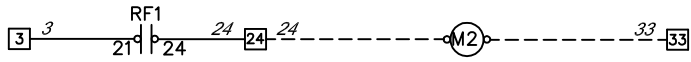
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DRAWING DATE: 11/18/2015
DRAWING TITLE: 2F 460V/3~ TAF 3.2-16A WIRING DIAGRAM
SCALE: 1" = 1"
SHT. 1 of 3
DRAWN BY: RAM
CATALOG NUMBER: 720102-000660

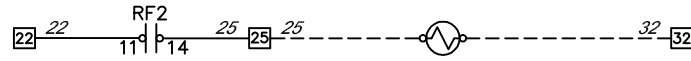
NO.	DATE	NOTES	BY	CHKD BY: ---	GENERAL TOLERANCES (EXCEPT AS NOTED)	ANGULAR ±1° FRACTIONAL ± 1/8" DEC: 2PL±0.05", 3PL±0.010"
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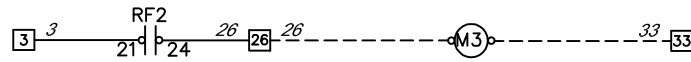
FILTER 1 FLUSH VALVE



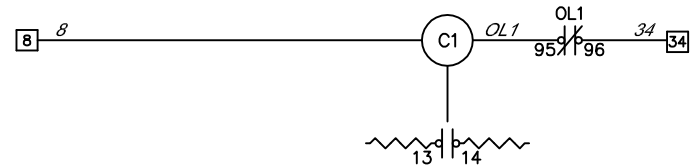
FILTER 1 DRIVE MOTOR



FILTER 2 FLUSH VALVE



FILTER 2 DRIVE MOTOR



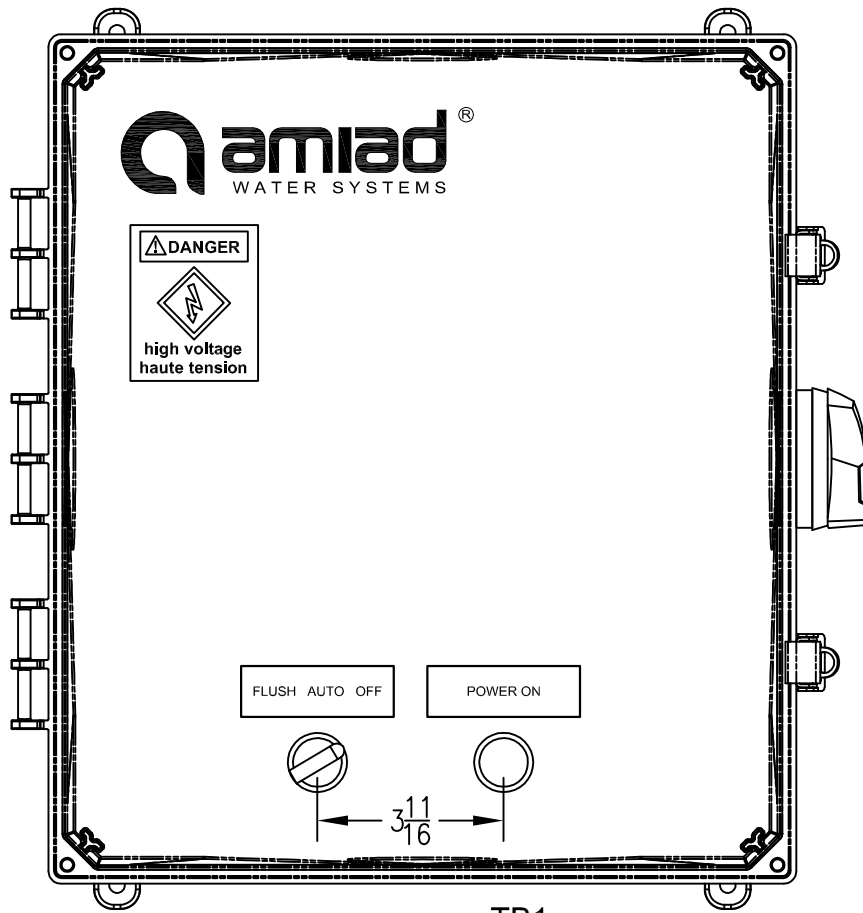
SYSTEM PUMP

MOTOR ON DRY CONTACTS

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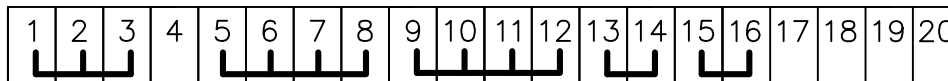
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DRAWING DATE: 11/18/2015	DRAWING TITLE: 2F 460V/3~ TAF 3.2-16A WIRING DIAGRAM	
SCALE: 1" = 1"	DRAWING NUMBER: 720102-000660-ELC	REV. NO. 0
SHT. 2 of 3	DRAWN BY: <u>RAM</u> CATALOG NUMBER: 720102-000660	
NO.	DATE	NOTES
GENERAL REVISIONS		
APP. BY: ---	CHKD BY: ---	GENERAL TOLERANCES (EXCEPT AS NOTED)
		ANGULAR ±1° FRACTIONAL ± 1/8" DEC: 2PL±0.05", 3PL±0.010"

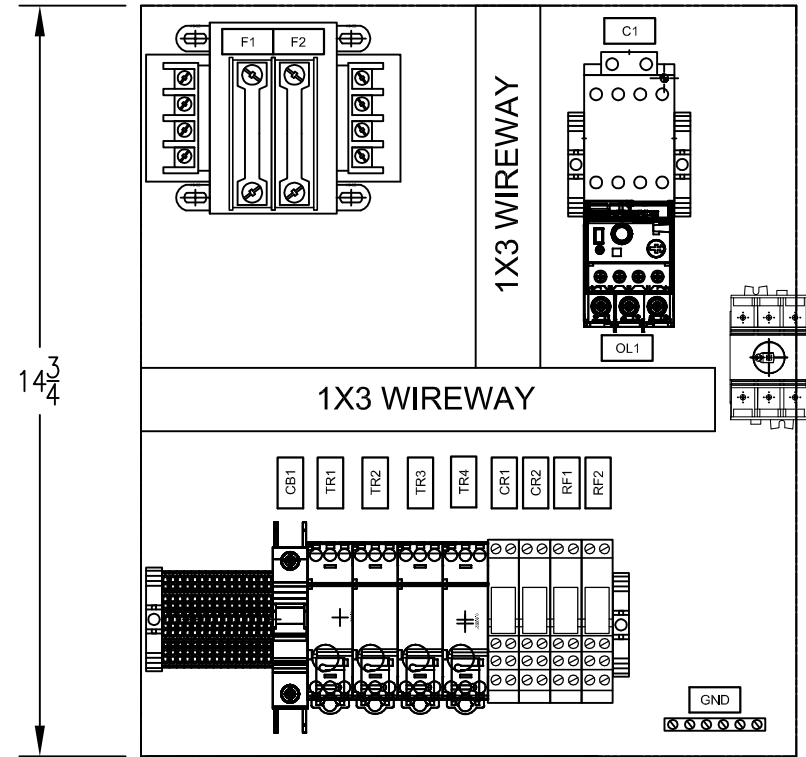
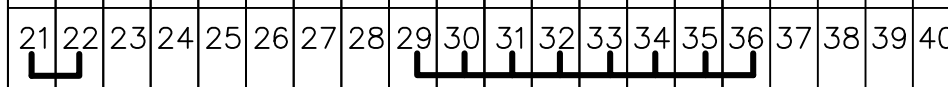


TB1

UPPER LEVEL



LOWER LEVEL



NOTE

1. ALL HARDWARE WILL INCLUDE ONE MECHANICAL LOCK AND A FLAT WASHER.
2. THE ONLY EXCEPTION IS IF THE MECHANICAL SCREW IS A SELF-THREADING SCREW.
3. IF BOLT/SCREW NEEDS TO GO THROUGH A THROUGH-HOLE, THE BOLT/SCREW WILL NEED A FLAT WASHER ON BOTH SIDES OF THE MATERIAL AND MECHANICAL LOCK BEFORE THE NUT.
4. ALL HARDWARE HAS TO THREAD AT LEAST TWO COMPLETE TURNS THROUGH THE NUT/THREADED HOLE
5. IF VISIBLE, NO HARDWARE WILL EXTEND PAST THREE THREADS OUT OF THE NUT/THREADED HOLE.
6. BACKPLANE AND DEAD FRONT IF REQUIRED ARE TO BE GROUNDED ACCORDING NEC 70E.
7. UNLESS OTHERWISE NOTED, ALL CONTACTORS WILL BE AB 100-C, OVERLOADS AB 193 E-1, CONTROL RELAYS AB 700-HLT, AND CIRCUIT BREAKERS AB 1489.

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DRAWING DATE: 11/18/2015	DRAWING TITLE: 1F 460V/3~ TAF 3.2-16A WIRING DIAGRAM	
SCALE: 1" = 4"	DRAWING NUMBER: 720102-000660-ELC	REV. NO. 0
SHT. 3 of 3	DRAWN BY: <u>RAM</u> CATALOG NUMBER: 720102-000660	
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GENERAL REVISIONS		
APP. BY: ---	GENERAL TOLERANCES (EXCEPT AS NOTED)	ANGULAR ±1° FRACTIONAL ± 1/8" DEC: 2PL±0.05", 3PL±0.010"