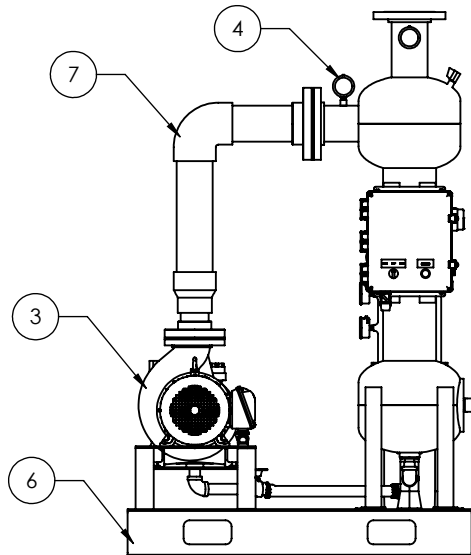
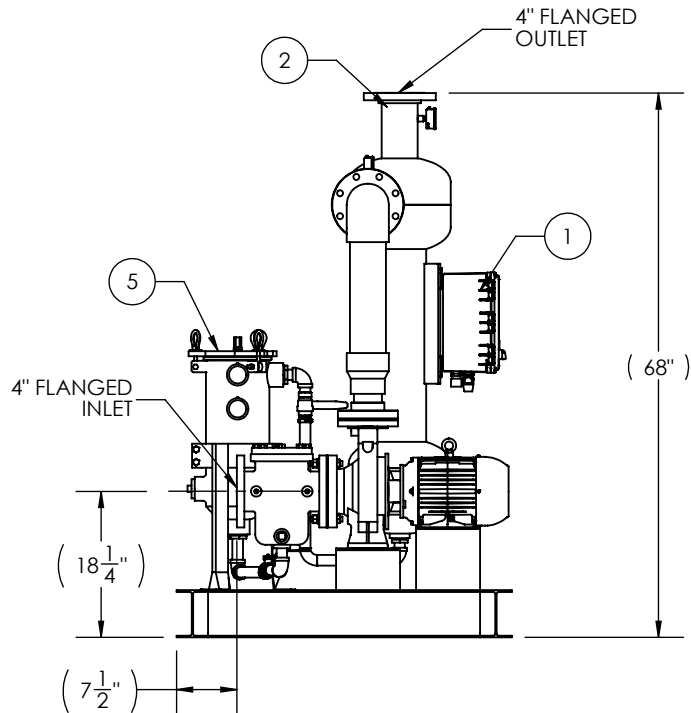
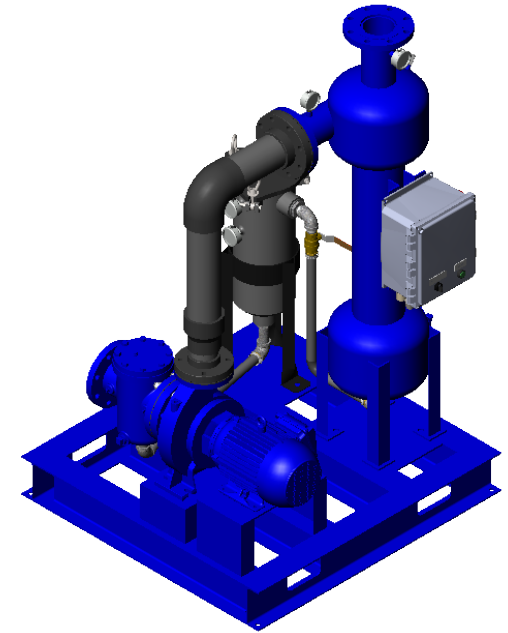


NOTES

- 1) ALL DIMENSIONS GIVEN IN INCHES UNLESS OTHERWISE SPECIFIED.
- 2) MAX OPERATING PRESSURE: 150 PSI
- 3) TANK CONSTRUCTION: CARBON STEEL
- 4) EXTERIOR: EPOXY COATED
- 5) APPROXIMATE MASS:  
SHIPPING: 919 LBS  
OPERATING: 1259 LBS



#	COMPONENT
1	NEMA 4X, UL, 460V/3PH/60HZ CONTROL PANEL
2	SEPARATOR: 5" ICS, EPOXY COATED CARBON STEEL
3	PUMP: 5HP 3600RPM, 460/3/60, 400 GPM @ 35' TDH
4	INLET/OUTLET PRESSURE GAUGES: 2.5" 0-160 PSI, LIQ FILLED
5	BAG FILTER: PALL CS
6	BASE: EPOXY COATED STEEL I-BEAM
7	FACE PIPE: 6" PVC SCH 80

**amiad**<sup>®</sup> WATER SYSTEMS  
 120-J TALBERT ROAD  
 MOORESVILLE, NC 28117  
 PH: (704) 662-3133  
 FAX: (704) 662-3155

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DRAWING DATE: 1/2/2019	DRAWING TITLE: ICSR 400 GPM LH WITH FACE PIPING AND PUMP
SCALE: 1:24	DRAWING NUMBER: <b>200208-000013 ASY-400GPM LH-R</b>
SHEET 1 OF 3	CAT NUMBER: 200208-000013
DRAWN BY: MAV	REV. NO. 0
CHECKED BY: SAL	GENERAL TOLERANCES (EXCEPT AS NOTED)
APPROVED BY: _____	ANGULAR ± 1° FRACTIONAL ± 1/8" Dec: 2 PL ± 0.05', 3 PL ± 0.010"

NO.	REVISION NOTES	DATE	BY

5

4

3

2

1

460V/3 $\phi$ /60 Hz

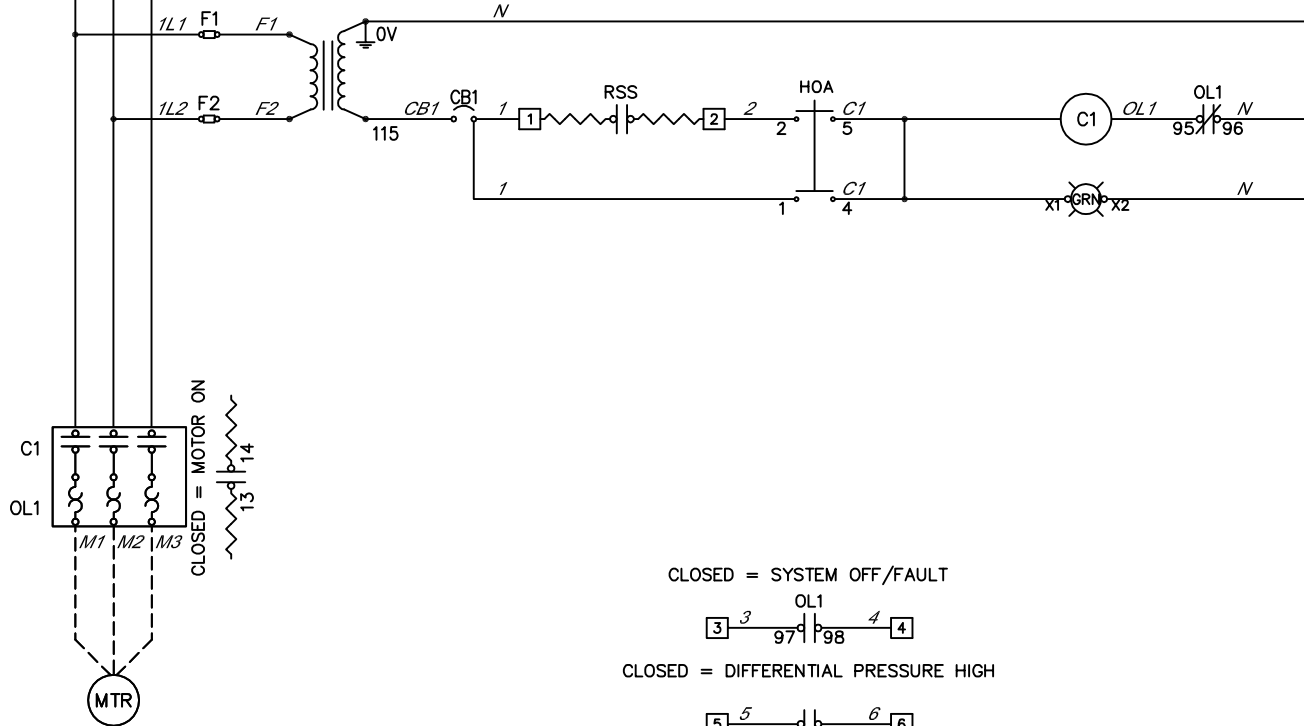
L1 L2 L3

MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION PROVIDED BY OTHERS (MAXIMUM OF 29A DUAL TIME DELAY FUSE OR 41A INVERSE TIME BREAKER RECOMMENDED)

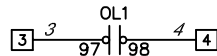
150VA TRANSFORMER		
Voltage	Fuse	Location
460	1A	H1-H4
230	2A	H2-H4
208	2A	H3-H4

LOCKABLE NON-FUSED DISCONNECT SWITCH (RATED @ 40 AMPS)

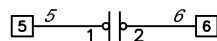
ALL PRIMARY FUSING TO BE LITTELFUSE CLASS CC, CCMR OR EQUIV.



CLOSED = SYSTEM OFF/FAULT



CLOSED = DIFFERENTIAL PRESSURE HIGH



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

POWER	POWER	460V/3~/60HZ	STANDARD	UL 508A	
	TOTAL FLA	16.33 AMPS		SIZE	12"L x 10"W x 6"D
	SCCR	5 kA RMS SYMMETRICAL, 600V MAX.		UL RATING	TYPE 4X
	LARGEST MTR.	15 HP		MATERIAL	POLYCARBONATE

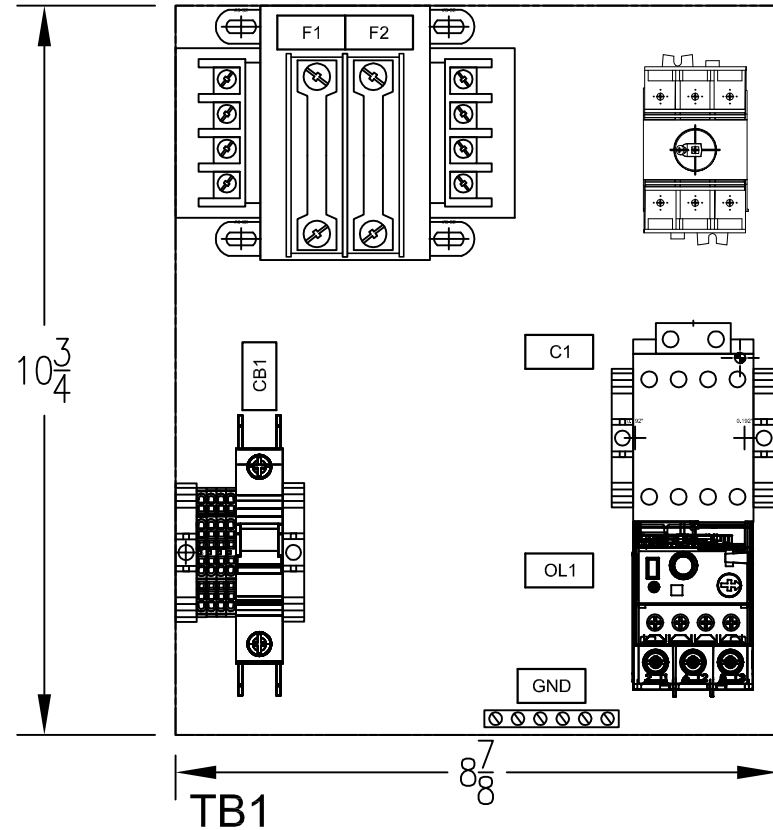
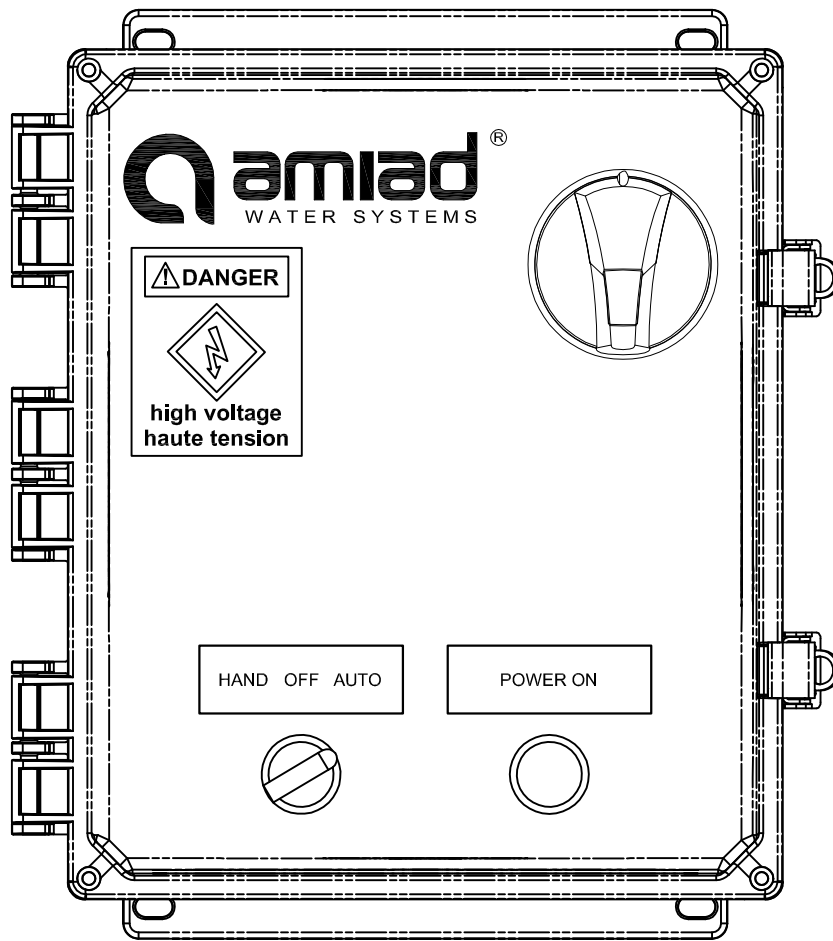
- GROUND PER 2011 NATIONAL ELECTRICAL CODE ARTICLE 250.
- PANEL WIRING: \_\_\_\_\_  
SHOP WIRING: \_\_\_\_\_  
CUSTOMER'S WIRING: \_\_\_\_\_  
FACTORY INSTALLED JUMPER: \_\_\_\_\_
- USE COPPER WIRE RATED 60°C MINIMUM UNLESS OTHERWISE SPECIFIED.
- DISCONNECT SWITCH TORQUE REQUIREMENTS: 35 LB IN. CONTACTOR/OVERLOAD 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.
- SET MOTOR OVERLOADS ACCORDING FLA ON MOTOR DATA PLATE
- ALL MOTOR WIRING TO BE AT LEAST CU. 75° RATED.

**Amiad**® WATER SYSTEMS  
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DRAWING DATE: 08/25/2014		DRAWING TITLE: 1F 460V/3~ DP NO TIMER 3-16A WIRING DIAGRAM	
SCALE: 1" = 1"		DRAWING NUMBER: 720102-000539-ELC	
SHT. 1 of 2		REV. NO. 1	
DRAWN BY: JTE		CATALOG NUMBER: 720102-000539	
NO. 1	DATE 11/14/2016	NOTES MOVE DISCONNECT TO DOOR	BY RAM
APP. BY: _____		GENERAL TOLERANCES (EXCEPT AS NOTED)	ANGULAR ±1° FRACTIONAL ± 1/8" DEC: 2PL±0.05", 3PL±0.010"

NO.	DATE	NOTES	BY
1	11/14/2016	MOVE DISCONNECT TO DOOR	RAM
GENERAL REVISIONS			



UPPER LEVEL

LOWER LEVEL

1	2	3	4
5	6	7	8

**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: 08/25/2014		DRAWING TITLE: 1F 460V/3~ DP NO TIMER 3-16A WIRING DIAGRAM	
SCALE: 1" = 3"		DRAWING NUMBER: 720102-000539-ELC	
SHT. 2 of 2		REV. NO. 1	
DRAWN BY: JTE		CATALOG NUMBER: 720102-000539	
APP. BY: ---		GENERAL TOLERANCES (EXCEPT AS NOTED)	
CHKD BY: ---		ANGULAR ±1° FRACTIONAL ± 1/8" DEC: 2PL±0.05", 3PL±0.010"	

NO.	DATE	NOTES	BY
GENERAL REVISIONS			