NOT TO SCALE

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.

MULTI W SYSTEMS, INC.
WATER & WASTE WATER EQUIPMENT SUPPLIER
2655 STROZER AVENUE, EL MONTE, CA 91733  PH: (626) 401-2827  FAX: (626) 445-9898

DWG TITLE: CONTROL PANEL LAYOUT
PROJECT: STANDARD TRIPLEX MOTOR STARTER

DATE: 4/25/2019
ASSEMBLER: N/A
TRIPLEX MOTOR STARTER WITH 6 LOUVERS

DRAWN BY: N/A
APPROVED BY: N/A
SOL: N/A

1 OF 11
NOTE:
WHITE LIGHT: PLC ON
GREEN LIGHT: MOTOR RUN
RED LIGHT: MOTOR STOP, SMOKE/FIRE, AC RUN, LOUVER FAULT
NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.

MULTI W SYSTEMS, INC.
WATER & WASTE WATER EQUIPMENT SUPPLIER
2015 STROUZER AVENUE, EL MONTE, CA 91733 PH (626) 401-2027 FAX (626) 442-0830

DWG TITLE: CONTROL PANEL LAYOUT
PROJECT: STANDARD TRIPLEX MOTOR STARTER
DATE: 4/25/2019
DRAWN BY: N/A
APPROVED BY: N/A
SHEET 2 OF 11
MISSING TERMINAL BLOCKS FOR LOUVER #4, 5, AND 6.

NOTE:
1. MCB1-3i: CIRCUIT BREAKER
2. M1-3i: MAGNETIC MOTOR CONTROLLER
3. F3i: CONTROL CIRCUIT FUSE
4. LV1-6i: LOUVER POWER RELAY
5. PLC: PROGRAMMABLE LOGIC CONTROLLER

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.
POWER: AWG #12
CONTROL: AWG #16

LINE VOLTAGE: 120V
PHASE: 1-PHASE
HERTZ: 60 Hz
MOTOR: 2 HP
MOTOR: 17.6 FLA
TOTAL AMPS: 60.7 A

MULTI W SYSTEMS, INC.
WATER & WASTE WATER EQUIPMENT SUPPLIER
2015 STRODER AVENUE, EL MONTE, CA 91733 PH: (626) 401-2627 FAX: (626) 462-0639

DWG TITLE: WIRING DIAGRAM
PROJECT: STANDARD TRIPLEX MOTOR STARTER
TRIPLEX MOTOR STARTER WITH 6 LOUVERS
SO:
N/A

CONTINUED ON SHEET 5

LEGEND
- - INDICATES TERMINAL BLOCK
- - INDICATES FIELD WIRING
- - ALL N/O CONTACTS SHOWN IN THE DE-ENERGIZED STATE
- - ALL N/C CONTACTS SHOWN IN THE DE-ENERGIZED STATE

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.
PLC INPUT EXPANSION, SLOT 1

PLC INPUT, MOTOR 1 REMOTE START
PLC INPUT, MOTOR 2 REMOTE START
PLC INPUT, MOTOR 3 REMOTE START
SPARE

PLC INPUT, MOTOR 1 REMOTE STOP
PLC INPUT, MOTOR 2 REMOTE STOP
PLC INPUT, MOTOR 3 REMOTE STOP
SPARE

PLC OUTPUT EXPANSION, SLOT 2

PLC OUTPUT, AC 1 ON LIGHT
PLC OUTPUT, AC 2 ON LIGHT
PLC OUTPUT, SMOKE/FIRE LIGHT
SPARE

SPARE
SPARE
SPARE
SPARE

CONTINUED ON SHEET 9

LEGEND
- Indicates terminal block
- Indicates field wiring
- All N/O contacts shown in the de-energized state
- All N/C contacts shown in the de-energized state

NOTE: Main circuit protection and disconnect switch provided by the installer.
LEGEND

- INDICATES TERMINAL BLOCK
- INDICATES FIELD WIRING
- ALL N/O CONTACTS SHOWN IN THE DE-ENERGIZED STATE
- ALL N/C CONTACTS SHOWN IN THE DE-ENERGIZED STATE

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.

MULTI W SYSTEMS, INC.
WATER & WASTE WATER EQUIPMENT SUPPLIER
2615 STROHER AVENUE, EL MONTE, CA 91733 PH (626) 491-2927 FAX (626) 442-0839

DWG TITLE: PLC EXPANSION SLOTS
PROJECT: STANDARD TRIPLEX MOTOR STARTER
TRIPLEX MOTOR STARTER WITH 6 LOUVERS

DATE: 4/15/2009
ASSEMBLER: DAVE ERNE
APPROVED BY: WEN C. WANG
DRAWN BY: YI-KANG

N/A
N/A
9 OF 11
### BOM, 120V/1 Ph/60Hz/2 HP/17.6 FLA

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<tr>
<th>#</th>
<th>Description</th>
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<td>WEG</td>
<td>MRX-330-E</td>
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<td>7</td>
<td>Magnetic Motor Contactor</td>
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<td>2A Fuse</td>
<td>Ferraz Shawmut</td>
<td>ATMR2</td>
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<td>1/4A Time Delay Fuse</td>
<td>Bussmann</td>
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<td>C3 Controls</td>
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<td>Subpanel</td>
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<td>Dead Front Panel</td>
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**MISSING TERMINAL BLOCKS FOR LOUVER #4, 5, AND 6.**
NEMA 4 ENCLOSURE,
30Hx30Wx10D

EXTERIOR PANEL - FRONT VIEW
NOT TO SCALE

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.
DEADFRONT PANEL - FRONT VIEW
NOT TO SCALE

NOTE:
WHITE LIGHT: PLC ON
GREEN LIGHT: MOTOR RUN
RED LIGHT: MOTOR STOP, SMOKE/FIRE, AC RUN, LOUVER FAULT
NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.

MULTIW SYSTEMS, INC.
WATER & WASTE WATER EQUIPMENT SUPPLIER
2015 STROKER AVENUE, EL MONTE, CA 91733 PH: (626) 401-2827 FAX: (626) 642-0839

DWG TITLE: CONTROL PANEL LAYOUT
PROJECT: STANDARD TRIPLEX MOTOR STARTER
DATE: 4/25/2019
ASSEMBLER: WANG, WEN C
SIGN: WANG, WEN C
TRIPLEX MOTOR STARTER WITH 6 LOUVERS
SHEET #: 1 OF 11
MISSING TERMINAL BLOCKS FOR LOUVER #4, 5, AND 6.

NOTE:
1. MCB1-3: CIRCUIT BREAKER
2. M1-3: MAGNETIC MOTOR CONTACTOR
3. FU1: CONTROL CIRCUIT FUSE
4. LVI-6: LOUVER POWER RELAY
5. PLC: PROGRAMMABLE LOGIC CONTROLLER

NOTE: MAIN CIRCUIT PROTECTION AND DISCONNECT SWITCH PROVIDED BY THE INSTALLER.
POWER: AWG #12
CONTROL: AWG #16

LINE VOLTAGE: 120V
PHASE: 1-PHASE
HERTZ: 60 HZ
MOTOR: 2 HP
MOTOR: 17.6 FLA
TOTAL AMPS: 60.7 A

CONTINUED ON SHEET 5

LEGEND
Θ - INDICATES TERMINAL BLOCK
--- - INDICATES FIELD WIRING
- - ALL N/O CONTACTS SHOWN IN THE DE-ENERGIZED STATE
- - ALL N/C CONTACTS SHOWN IN THE DE-ENERGIZED STATE

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