

Field Wiring

- 1. Motor cable to be VFD rated & shielded as supplied
- 2. Motor shield and ground wire to be connected to ground lug
- 3. Encoder cable to be shielded as supplied
- 4. All wiring to comply with NFPA 70, National Electric Code
- 5. Terminal block torque ratings
 - Main: 7.0 lb-in
 - IO: 4.4 lb-in
- 6. All DC wiring should be shielded and in separate conduit
- 7. Any item fastened to enclosure must be rated Nema 4X to maintain Type 4X rating.

Electrical Specification

- 1. All power & control wiring to be 600 volt rated, stranded copper, Type MTW
- 2. Power wiring to be black, minimum 14 AWG
- 3. AC control to be red or white, 16 AWG
- 4. DC control to be blue, 16 AWG
- 5. Low voltage wiring to be shielded, 20 AWG
- 6. Enclosure to be Nema Type 4X, unless otherwise indicated under options
- 7. Control panel shall be UL 508 listed

PAGE#	DESCRIPTION
1	COVER PAGE
2	POWER SCHEMATIC
3	INPUT/OUTPUT PHOTO-EYES
4	INPUT/OUTPUT LIGHT CURTAIN
5	PANEL LAYOUT-BOM

SERVICE VOLTAGE

✕	460V, 3PH, 50/60HZ
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OUTPUT VOLTAGE

✕	460V, 3PH, 0-200HZ
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MOTOR DATA

VOLT	HP	FLA	RECOMMENDED FUSE
✕ 460	3.3	5.7	12 AMPS

B	3216	6-6-19	DEN	UPDATED PE & LC WIRING DETAIL ADDED ACTIVATION WIRING INFO
A	2961	1-17-19	DEN	INITIAL RELEASE
REV	CHG#	DATE	BY	REVISION

ASI DOORS, INC.

5848 NORTH 95th COURT MILWAUKEE, WISCONSIN 53225



TITLE

460VAC, DGII Controller, 180VDC Brake

TOLERANCES UNLESS OTHERWISE NOTED
X.X ±.06 X.XX ±.03 X.XXX ±.010
DIA./RADIUS ±.005 ANGLES ±1°

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DEN

ECR #
2961

DATE
1-17-19

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DRAWING NO.

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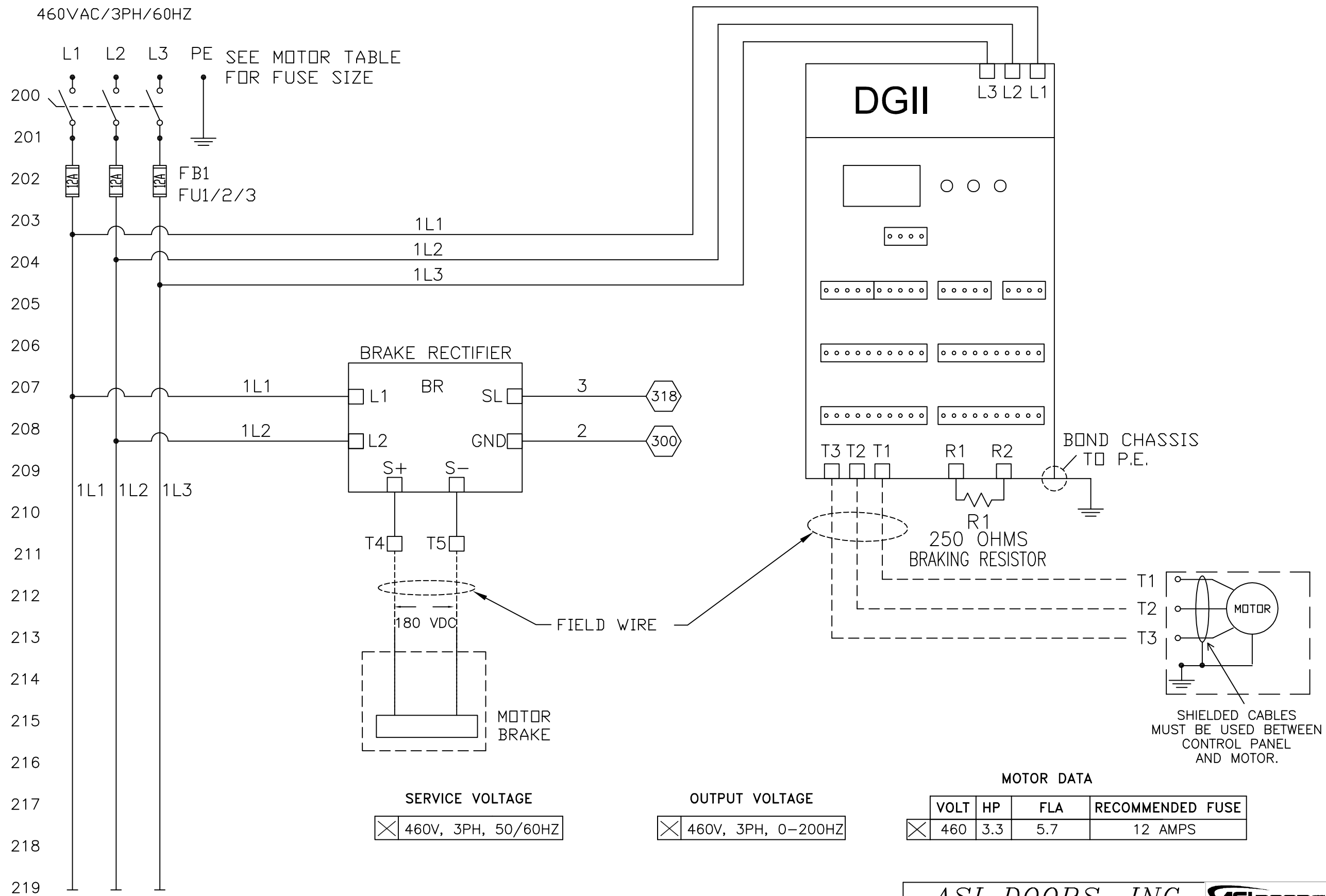
NEXT ASM.

SCALE
NTS

96-125-0001

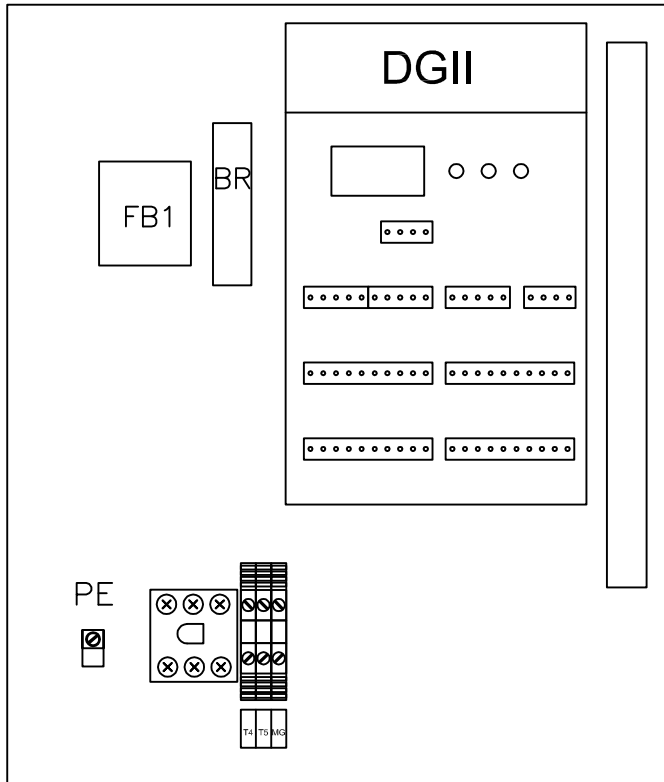
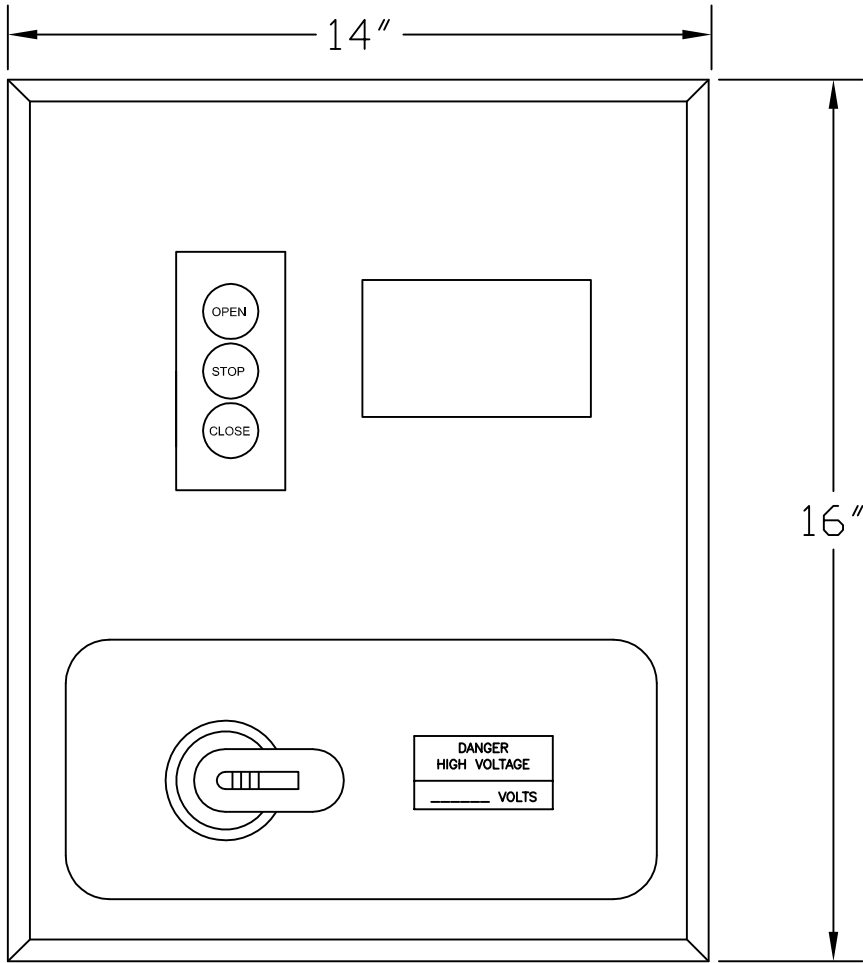
18D0310

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NEXT ASM.	SCALE	NTS					



Bill of Materials - 18D0310 - 3.3 Hp/460 Volt			
Item	Qty	Part Number	Description
Encl	1	CA7981	Enclosure, 16" X 14" X 8". Nema Type 4X
Pnl	1	23-118-0002	Sub-panel for above, Painted
Pnl	1	23-118-0001	Sub-panel for above, Steel
VDB	1	CA7981 AVBK7	Variable depth brackets -set of 4
DGII	1	95-125-4650	Digital Gateway II controller, 460V 5HP
MEM	1	30-111-0002	Membrane switch, open/stop/close
	1	70-111-0000	Membrane cable, 32"
DS1	1	OT40F3U	Disconnect, non-fusible, 600 volt, 40 amp
	1	EXP6X210	Disconnect shaft
	1	OHB45L6	Disconnect Handle
RS1	1	81-118-0000	Resistor, 250 ohm, 500 watt
BR	1	50003	Rectifier, module
FB1	1	LPSC003	Fuseholder, 600V, 3 pole, Class CC
FU1/2/3	1 ea	CCMR 12	Fuse, 600 volt, 12 amp, Class CC or equivalent
PE	1	LAMA2-14-QY	Lug, ground
TB	2	1492-J4-B	Terminal block, 35 amp, blue
	1	1492-JG4	Terminal block, ground, green
	3	1492-EAJ35	End anchor

SERVICE VOLTAGE
X 460V, 3PH, 50/60HZ

OUTPUT VOLTAGE
X 460V, 3PH, 0-200HZ

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X 460	3.3	5.2	12 AMPS

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5848 NORTH 95th COURT MILWAUKEE, WISCONSIN 53225

TITLE
460V DGII Controller, 180VDC Brake, LD06

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DIA./RADIUS ±.005 ANGLES ±1°

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