

Item No.	Qty.	Catalog Number / Details
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CONTACTORS AND STARTERS

101-00	1	Designation: CP-3 8538SCG14V81CFF4P51P52TX11Y1072 Class 8538 Fused Combination Starter Class 8538 Fused Combination Starter 8538SCG14V81CFF4P51P52TX11Y1072 NEMA Size 1 Fused combination starter with Class J fuse clips (Fuses not included) Non-reversing 3 phase 3 pole device Selected for 7.5 HP @ 460V 3Ph Type 1 Enclosure Melting alloy overload Starter will require 3 thermal units Standard with NC overload contact Specified for 460V 3Ph power system Fused control transformer selected with 120V 60Hz coil T - Standard capacity 480 Volt primary 120 Volt secondary Fusing F4 - 2 primary control fuses F - 1 secondary control fuse Auxiliary contacts - 1 Normally open 1 Normally closed Internal NC auxiliary contact for off pilot light Control units supplied C - HAND-OFF-AUTO selector switch Pilot lights supplied P51 - Power ON red pilot light (LED) P52 - Power OFF green pilot light (LED) Revision - 3/8/2016 - (20160314/20160314) 3/16/2016 4:32:16 PM
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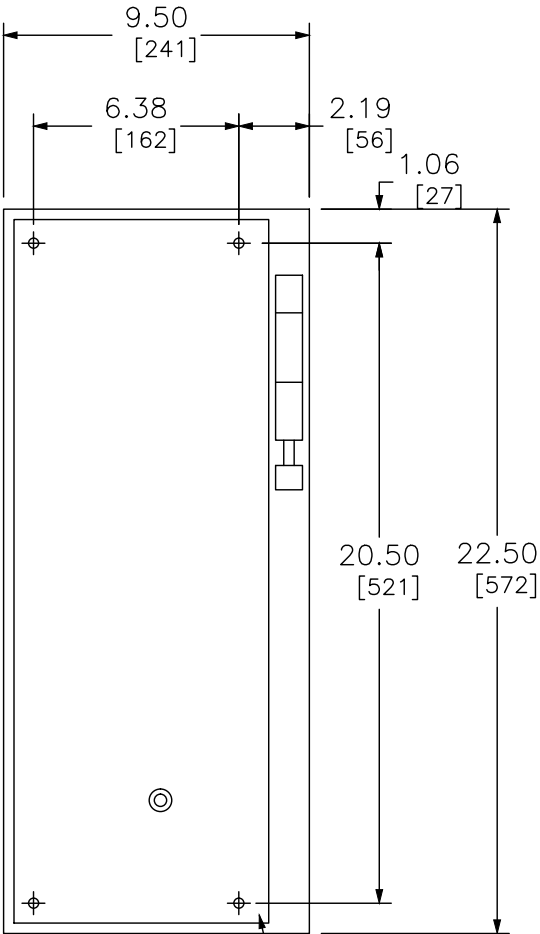
Item No.	Qty.	Catalog Number / Details
102-00	1	Designation: EF-1 8538SCA24V81CFF4P51P52TX11Y1072 Class 8538 Fused Combination Starter Class 8538 Fused Combination Starter 8538SCA24V81CFF4P51P52TX11Y1072 NEMA Size 1 Fused combination starter with Class J fuse clips (Fuses not included) Non-reversing 3 phase 3 pole device Selected for 7.5 HP @ 460V 3Ph Type 12/3R Enclosure - external reset Melting alloy overload Starter will require 3 thermal units Standard with NC overload contact Specified for 460V 3Ph power system Fused control transformer selected with 120V 60Hz coil T - Standard capacity 480 Volt primary 120 Volt secondary Fusing F4 - 2 primary control fuses F - 1 secondary control fuse Auxiliary contacts - 1 Normally open 1 Normally closed Internal NC auxiliary contact for off pilot light Control units supplied C - HAND-OFF-AUTO selector switch Pilot lights supplied P51 - Power ON red pilot light (LED) P52 - Power OFF green pilot light (LED) Revision - 3/8/2016 - (20160314/20160314) 3/16/2016 4:32:59 PM

Item No.	Qty.	Catalog Number / Details
103-00	1	Designation: KEF-1 8538SCA24V81CFF4P51P52TX11Y1072 Class 8538 Fused Combination Starter Class 8538 Fused Combination Starter 8538SCA24V81CFF4P51P52TX11Y1072 NEMA Size 1 Fused combination starter with Class J fuse clips (Fuses not included) Non-reversing 3 phase 3 pole device Selected for 7.5 HP @ 460V 3Ph Type 12/3R Enclosure - external reset Melting alloy overload Starter will require 3 thermal units Standard with NC overload contact Specified for 460V 3Ph power system Fused control transformer selected with 120V 60Hz coil T - Standard capacity 480 Volt primary 120 Volt secondary Fusing F4 - 2 primary control fuses F - 1 secondary control fuse Auxiliary contacts - 1 Normally open 1 Normally closed Internal NC auxiliary contact for off pilot light Control units supplied C - HAND-OFF-AUTO selector switch Pilot lights supplied P51 - Power ON red pilot light (LED) P52 - Power OFF green pilot light (LED) Revision - 3/8/2016 - (20160314/20160314) 3/16/2016 4:33:28 PM
105-00	2	Designation: CP-4A, CP-4B 2510FG1P MANUAL STARTER 277VAC
106-00	2	Designation: FZP-1, FZP-2 2510TCG3 MANUAL STARTER 600VAC
107-00	2	Designation: FZP-1, FZP-2 9999MP1 STARTER PILOT LIGHT KIT 2510+2511+2512
108-00	2	Designation: FZP-3, FZP-4 2510FG1P MANUAL STARTER 277VAC
109-00	2	Designation: PCP-1A, PCP-1B 2510FG1P MANUAL STARTER 277VAC
110-00	1	Designation: VF-1 2510TCG3 MANUAL STARTER 600VAC

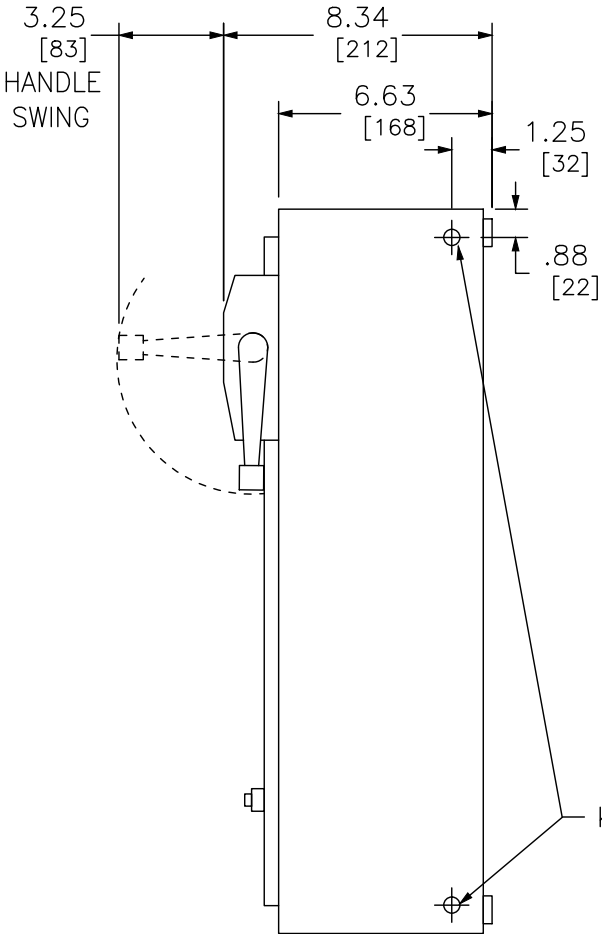
Q2C Number: 37999262**Quote Number:** 3**Revision Number:** 0**Project Name:** WEBSTER UNIVERSITY ISB**Quote Name:** REVISED PER ADD #2

Item No.	Qty.	Catalog Number / Details
111-00	1	Designation: VF-1 9999MP1 STARTER PILOT LIGHT KIT 2510+2511+2512
112-00	2	Designation: VF-2, VF-3 2510FG1P MANUAL STARTER 277VAC

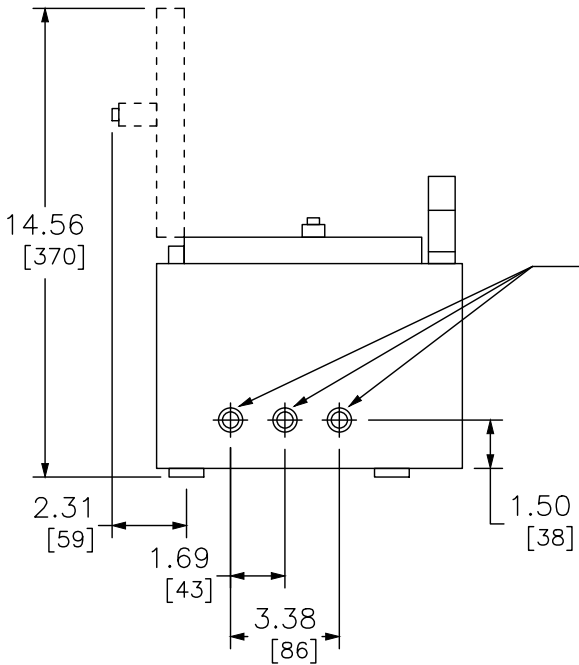
REV	DESCRIPTION	BY	DATE										
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--	-	----



(4) .31 DIA MTG HOLES
[8]



KNOCKOUT FOR .50 CONDUIT
[13]



KNOCKOUTS FOR .50 OR .75 CONDUIT (TOP AND BOTTOM)
[13] [19]

CLASS 8538/8539 COMBINATION STARTER
NEMA TYPE 1 GENERAL PURPOSE ENCLOSURE

DUAL DIMENSIONS: INCHES
MILLIMETERS

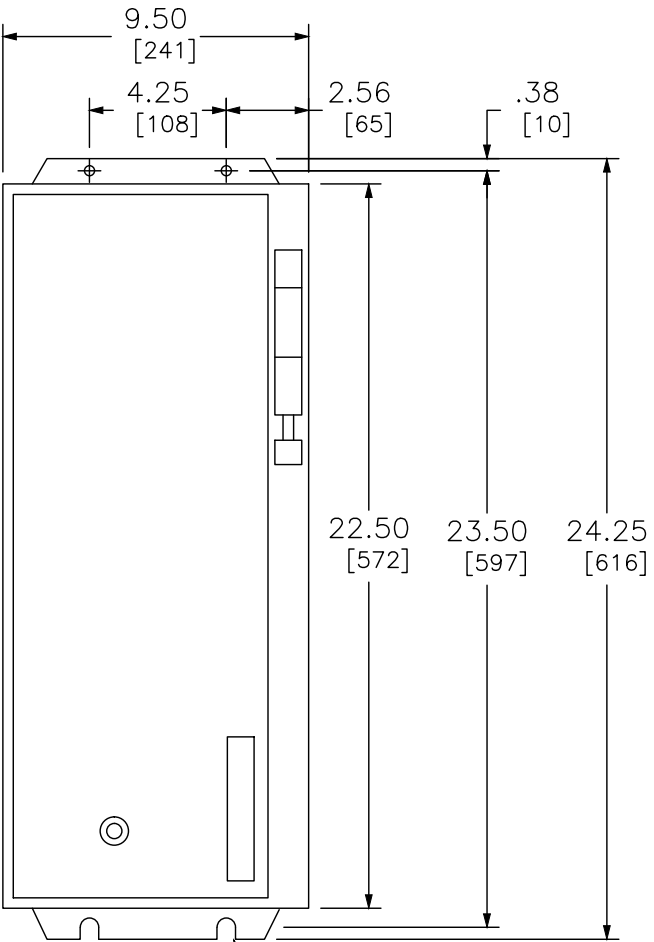
NEMA SIZE	CLASS	TYPE
0 & 1	8538 & 8539	SBG SCG

NOTE: THE DIMENSIONS INCLUDE SPACE FOR A CONTROL TRANSFORMER (FORM F4T).

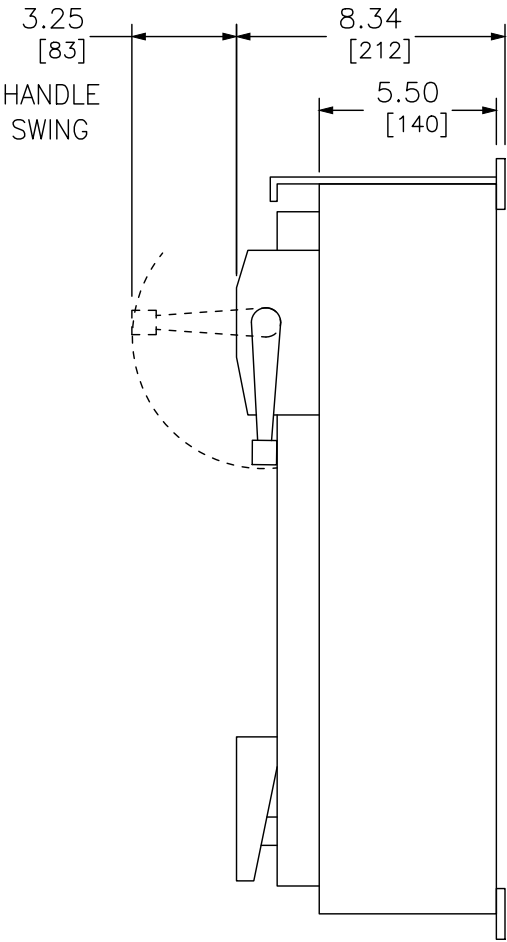
PROJ NO: G371-35003
REF NO: 710-16403D

JOB NAME:	WEBSTER UNIVERSITY ISB	EQUIPMENT DESIGNATION:	CP-3
JOB LOCATION:	WEBSTER GROVES MO	EQUIPMENT TYPE:	
DRAWN BY:	(Q2C)	DRAWING TYPE:	
ENGR:			
DATE:	June 13 2016		
DRAWING STATUS:	QUOTE	DWG#	F37999262-01
		PG 1	OF 1
		REV	-

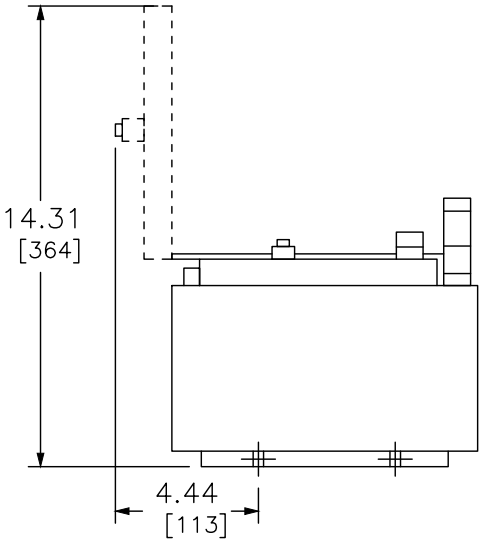
REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--



(4) .31 DIA MTG HOLES
[8]



CLASS 8538/8539 COMBINATION STARTER
NEMA TYPE 12 DUST-TIGHT AND DRIP-TIGHT ENCLOSURE



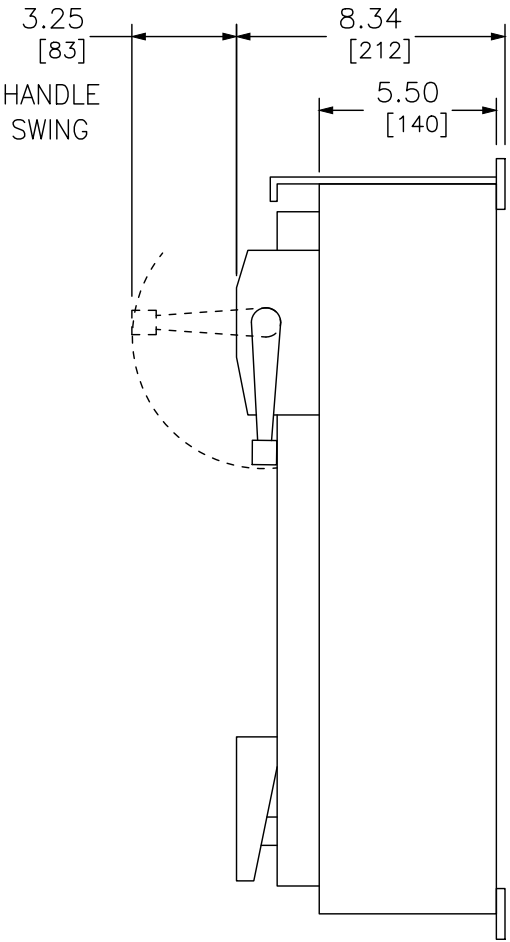
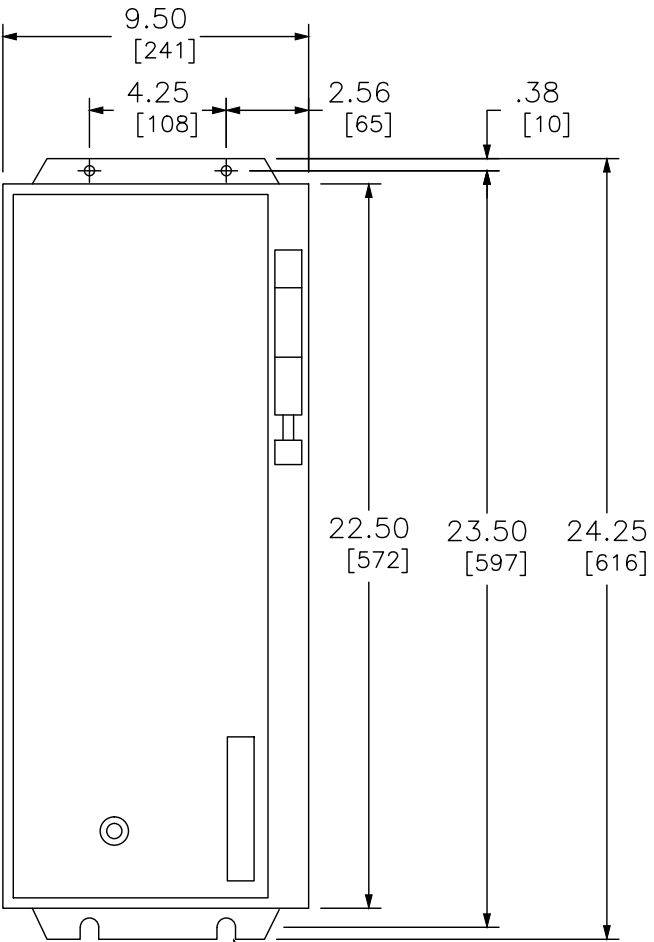
NOTE: THE DIMENSIONS INCLUDE SPACE FOR A CONTROL TRANSFORMER (FORM F4T).
CONDUIT KNOCKOUTS NOT PROVIDED.

DUAL DIMENSIONS: INCHES MILLIMETERS		
NEMA SIZE	CLASS	TYPE
0-1	8538 & 8539	SBA SCA

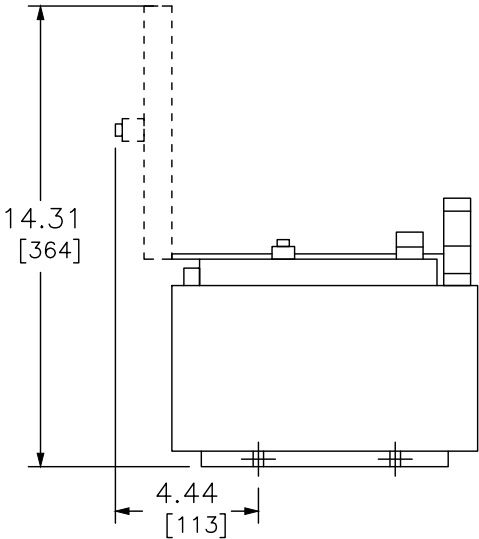
PROJ NO: J571-35003
REF NO: 160-15403D

JOB NAME:	WEBSTER UNIVERSITY ISB	EQUIPMENT DESIGNATION:	EF-1
JOB LOCATION:	WEBSTER GROVES MO	EQUIPMENT TYPE:	
DRAWN BY:	(Q2C)	DRAWING TYPE:	
ENGR:			
DATE:	June 13 2016		
DRAWING STATUS:	QUOTE	DWG# F37999262-01	PG 1 OF 1 REV -

REV	DESCRIPTION	BY	DATE										
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--	-	----



CLASS 8538/8539 COMBINATION STARTER
NEMA TYPE 12 DUST-TIGHT AND DRIP-TIGHT ENCLOSURE

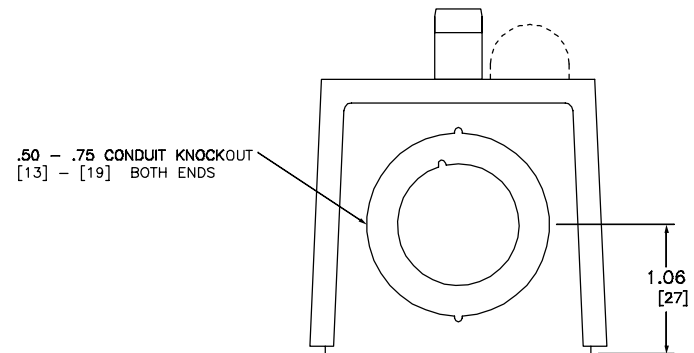
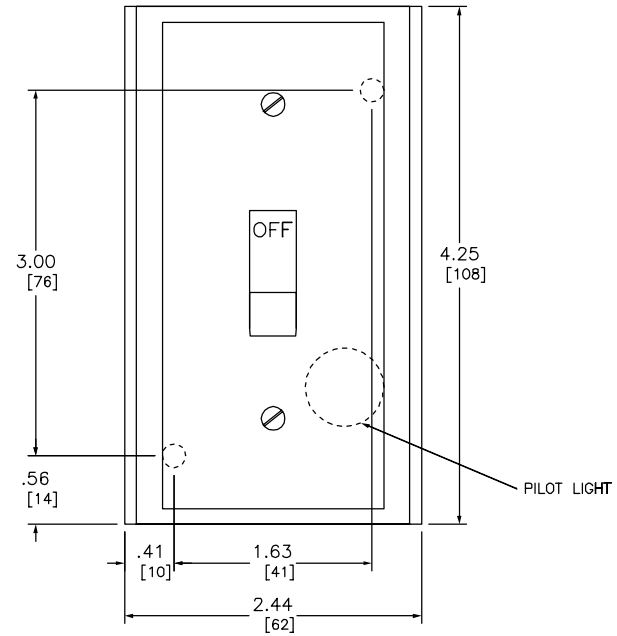
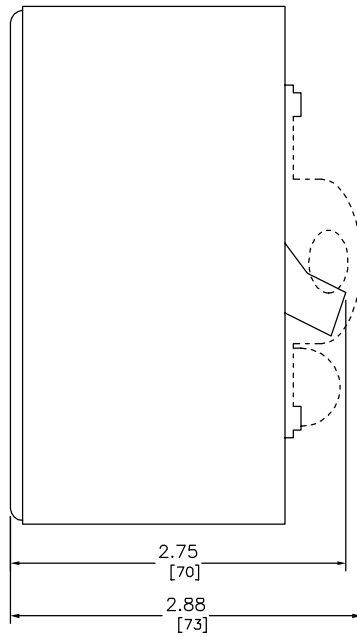


NOTE: THE DIMENSIONS INCLUDE SPACE FOR A CONTROL TRANSFORMER (FORM F4T).
CONDUIT KNOCKOUTS NOT PROVIDED.

DUAL DIMENSIONS: INCHES MILLIMETERS		
NEMA SIZE	CLASS	TYPE
0-1	8538 & 8539	SBA SCA

PROJ NO: J571-35003
REF NO: 160-15403D

JOB NAME:	WEBSTER UNIVERSITY ISB	EQUIPMENT DESIGNATION:	KEF-1
JOB LOCATION:	WEBSTER GROVES MO	EQUIPMENT TYPE:	
DRAWN BY:	(Q2C)	DRAWING TYPE:	
ENGR:			
DATE:	June 13 2016		
DRAWING STATUS:	QUOTE		
DWG# F37999262-01		PG 1 OF 1	REV -



CATALOG NUMBER: **2510 FG**
 RATINGS: **1 HP**
 UL FILE/CCN: **E42243, CCN NLRV**
 CSA FILE/CLASS: **LR25490 CLASS 3211 05**
 WEIGHT: **2 LBS**
 WIRE SIZE: **POWER #10**
 TERMINAL TORQUE: **20 LBS IN.**

NEMA FRACTIONAL HORSEPOWER
 MANUAL STARTERS
 2510_FG

SQUARE D
Schneider Electric

DWG# 25100008
 NO.

DUAL DIMENSIONS: INCHES
 MILLIMETERS

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
1GH1	I-LINE	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	418	Ship Together, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar, Standard Mains and Feeders Mechanically Restrained Branch User Placement Standard Nameplate: Engraved as Follows Line 1: 1GH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	701A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NH2	NF	480Y/277V 3Ph 4W 60Hz	22kA	Top Trim: Surface with Door	550	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NH2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	701A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
1SL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1SL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
3LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
4LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553T	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4SH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553T	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4SH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
BNH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	554	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: BNH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
BNL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: BNL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PLEASE CONFIRM THAT THE PANEL DETAILS MATCHES THE PLANS AND SPECIFICATIONS.

ALL LUGS ON PANELBOARDS AND CIRCUIT BREAKERS ARE RATED AT 75 DEGR C.

ALL LUGS ARE SIZED PER UL STANDARDS. PLEASE CONFIRM THAT THEY ARE APPROPRIATE FOR THE QUANTITY AND SIZE OF THE CABLE BEING CONNECTED.

PLEASE CONFIRM TOP OR BOTTOM FEED, AND SURFACE OR FLUSH COVERS.

PANEL INFORMATION IS FOR ENGINEERING APPROVAL ONLY.
DO NOT USE FOR CONSTRUCTION PURPOSES.

DIMENSIONS ARE SUBJECT TO CHANGE PRIOR TO FINAL ENGINEERING FOR PRODUCTION

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 19, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	264000E01	(Submittal No. 264000-001) Electrical Distribution

Submittal Review Comments

Circuit breaker size and position shall match panel schedules on sheets E0503, 504, 505, & 506.

c: Kelvin Patel
Kpatel@cannondesign.com

☐ Furnish as Submitted

☐ Furnish as Noted

☐ Rejected

☒ ***Revise & Resubmit**

☐ Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 26 4000-001

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 7/5/2016 11:40 AM
Subject: Webster ISB - 26 4000-001
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...>
Attachments: 264000-001 Electrical Distribution.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICALITY	

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings
☐ Samples
 (_____ copies)
☐ LEED Submittal
☐ Other
- ☐ Certification /
 Qualifications
☐ Record Documents
☐ Product Data
- ☐ Coordination Drawing
☐ Calculations
☐ Schedules
☐ O&M Manuals

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0114

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Electrical Distribution

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		264000-001	1		07/05/2016	Electrical Distribution	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Transmittal

To Paric Corporation

Date 7/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-005

We are sending you:

☒ Attached

☐ Under separate cover, the following:

☐ Preliminary Drawings

☐ Samples

☐ Construction Drawings

☐ Copy of Letter

☐ Specifications

☐ Other _____

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Distribution - Spec Section
			26 40 00

These are transmitted as checked:

☒ For Your Review & Comment

☐ Approved As Noted

☒ For Approval

☐ Returned For Corrections

☐ For Your File

☐ Approved As Submitted

☐ As Requested

☐

Copy:

Transmittal

Enclosure

Rick Branstetter

Signed: Rick Branstetter, Project Manager

Webster University ISB

Approval Drawing Package

Factory Order #: 37999262

06/13/2016

Distributor:
Graybar

Contractor/Installer:
Guarantee Electric / TD4

Consulting Engineer:
Wm Tao & Associates

Lou Feldhaus
Sales Representative

Jake Kaufman
Project Manager
North American Operating Division
(636) 329-2265
jacob.kaufman@schneider-electric.com

Life Is On

Schneider
Electric

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2510FG

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