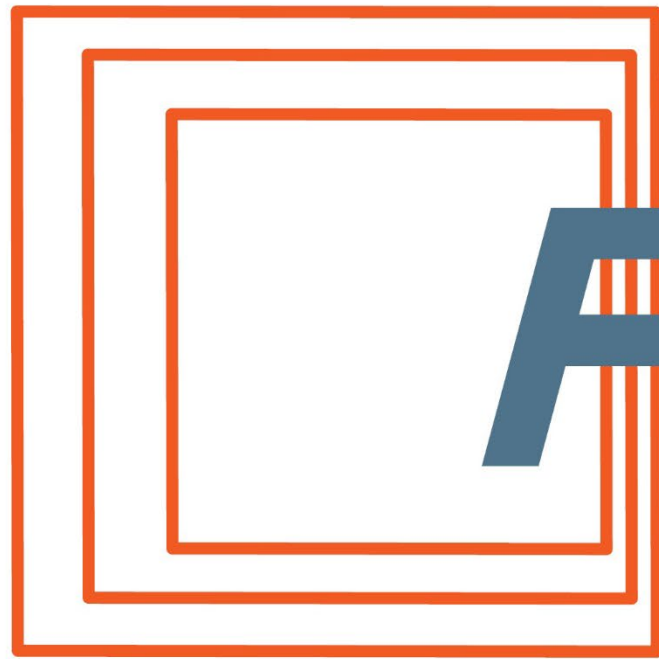


USER GUIDE

MERSEN



FUSION

Configuration Tool

■ MERSEN FUSE-ION CONFIGURATOR AND SELECTOR TOOL INTRODUCTION

- Welcome to Mersen's new configurator tool for fused selection coordination panels, elevator shunt trip enclosures and multi elevator shunt trip systems. We are pleased to bring you a new and easy to navigate selection tool.
- To get started click the link that will take you to the configurator tool on the Mersen website. Here you will "Log In" to the Configurator Tool with the credentials assigned to you by Mersen.



Please Log In

Fields marked with asterix () are required*

brian.betts@mersen.com

.....

Log In

Forgot My Password

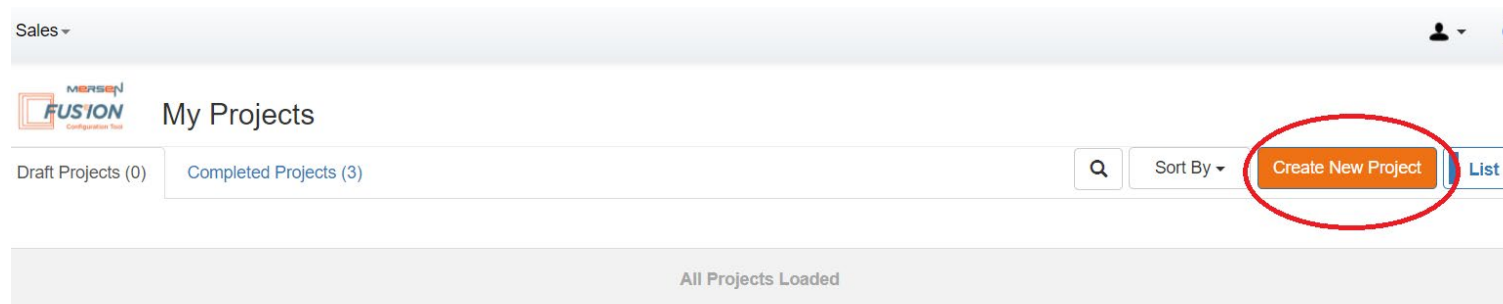
Powered by  powertrak[™]
by Axonom

© 2022 Axonom Inc.

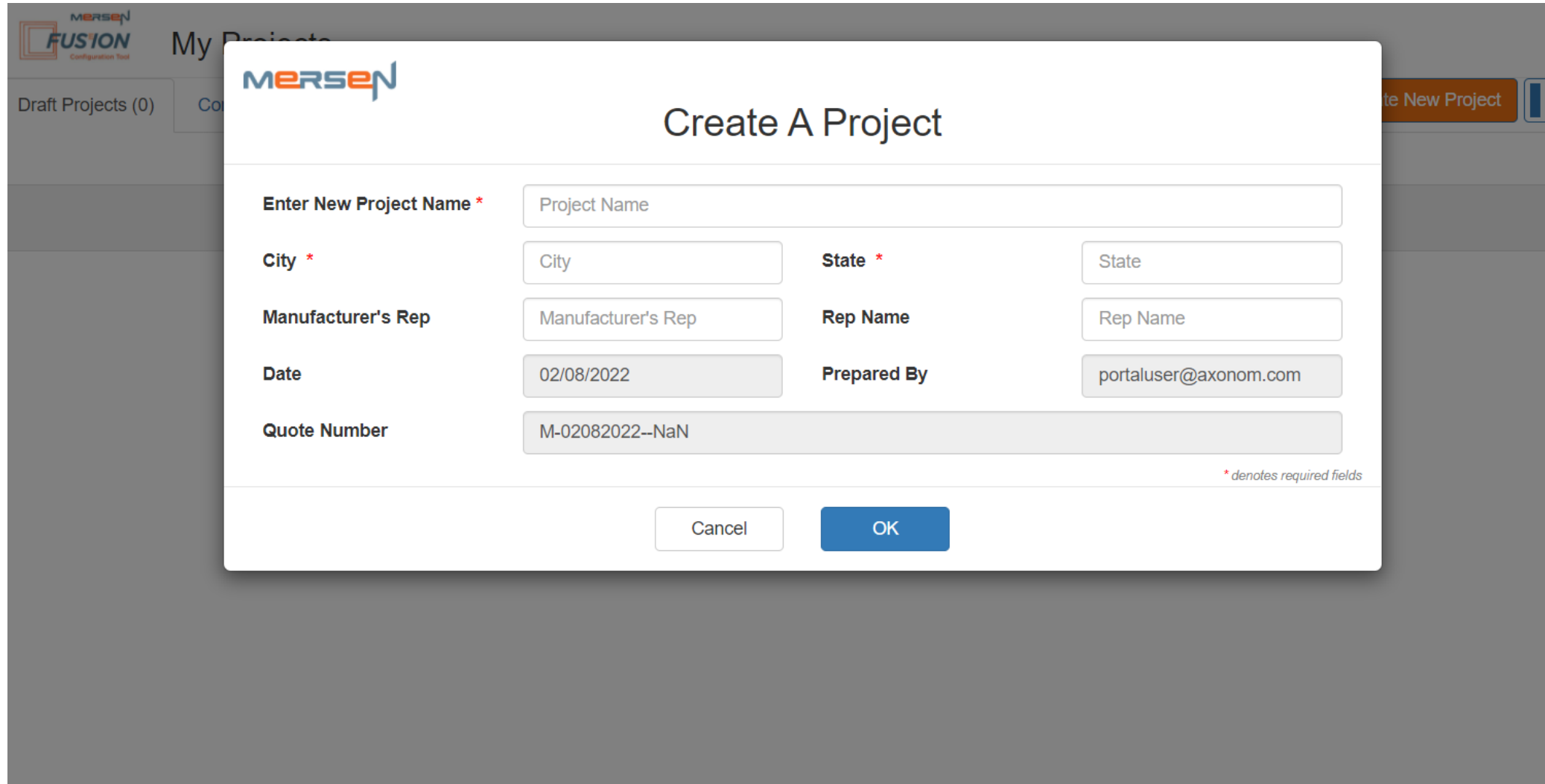
CLICK ON “CREATE NEW PROJECT”

■ STEP 1

- Select “Create New Project” button. This will open up a pop-up window where you will enter the project name and information pertaining to the project. A quote number will auto populate for you and be your reference for this project. Click “OK”.



ENTER PROJECT INFORMATION IN POPUP WINDOW



MERSEN

Create A Project

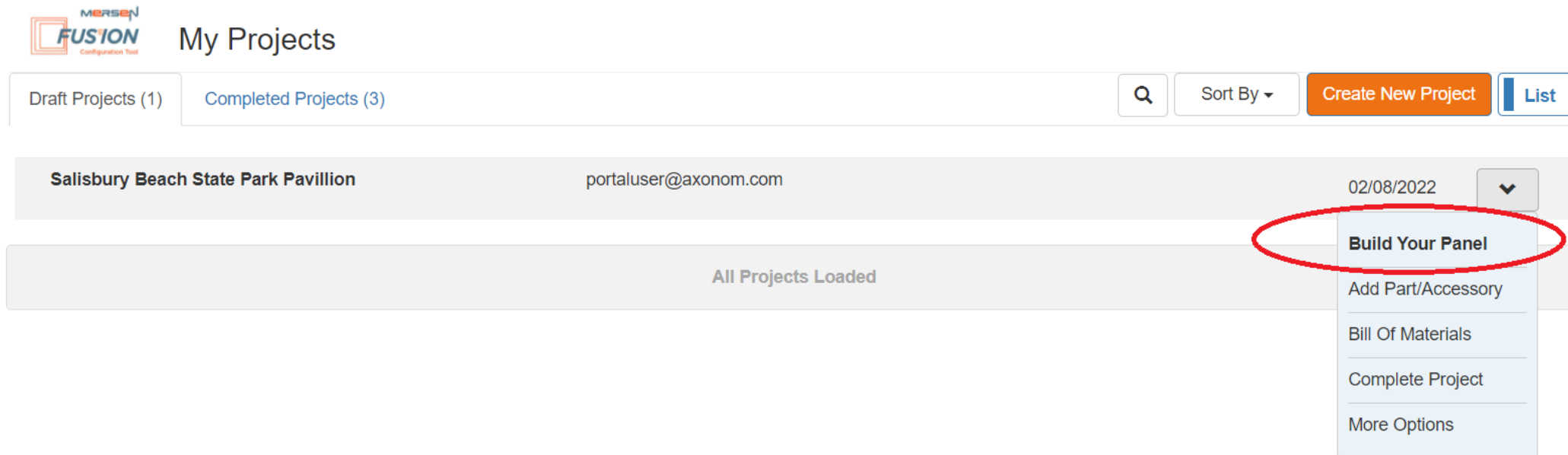
Enter New Project Name *	<input type="text" value="Project Name"/>		
City *	<input type="text" value="City"/>	State *	<input type="text" value="State"/>
Manufacturer's Rep	<input type="text" value="Manufacturer's Rep"/>	Rep Name	<input type="text" value="Rep Name"/>
Date	<input type="text" value="02/08/2022"/>	Prepared By	<input type="text" value="portaluser@axonom.com"/>
Quote Number	<input type="text" value="M-02082022--NaN"/>		

* denotes required fields

ACCESS CONFIGURATION TOOLS BY SELECTING “BUILD YOUR PANEL”

■ STEP 2

- From the drop down bar, select “Build Your Panel”. The next window that will appear is the “Product Configuration Tools”. Here you can select which type of panel you would like to start building or what parts you’d like to order. These items if selected will be added to your project and added to your proposal in a detailed BOM summary.



The screenshot displays the 'My Projects' interface. At the top left is the Mersen Fusion logo. Below it are tabs for 'Draft Projects (1)' and 'Completed Projects (3)'. To the right are search, sort, and 'Create New Project' buttons. The main table lists a project named 'Salisbury Beach State Park Pavillion' with the email 'portaluser@axonom.com' and the date '02/08/2022'. A dropdown menu is open for this project, showing options: 'Build Your Panel' (circled in red), 'Add Part/Accessory', 'Bill Of Materials', 'Complete Project', and 'More Options'. A message 'All Projects Loaded' is visible at the bottom of the table area.

CONFIGURATION TOOLS: FOR MFCP, SELECT “PANEL GENERATION AND CONFIGURATION TOOL”



Sales ▾

CPQ Settings ▾

Application Builder ▾

Administration ▾

Product Configurator Departments



Shunt Trip Guide



Panel Generation and Configuration Tool



MES-Panel



STXT Configurator

Back

ANSWER QUESTIONS ON PANEL PROPERTIES:

■ STEP 3

- If selecting the MFCP guide, in the next screen you will make selections from 4 questions based on your panel requirements.

Sales -

Select MFCP Ratings

What Panel Amperage do you need?

250A 400A 600A 800A

What Main Device do you need?

MLC 60A 100A 200A 400A 600A 800A

Do you need Feed Through Lugs?

Do you require one or more 100A Fused Sub-Feeds?

RESET SUBMIT

This includes MFCP (250A & 400A) and MFCP Feeder Panels (600A-800A)

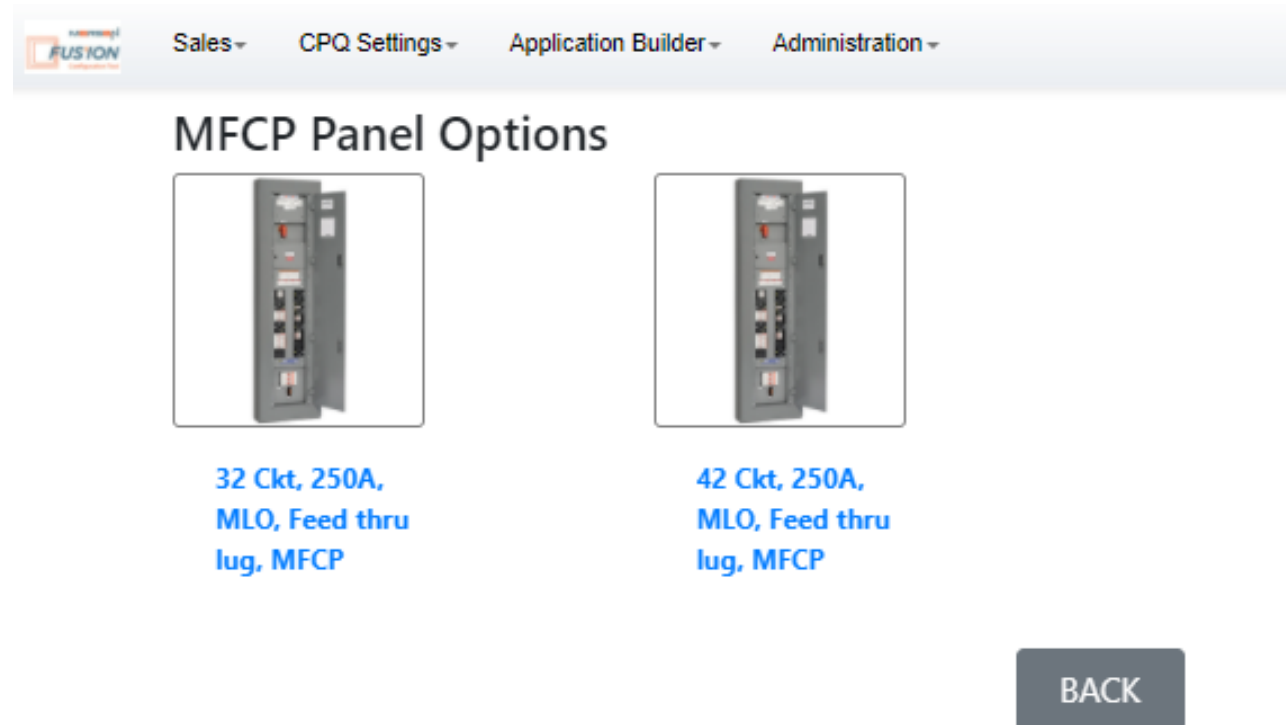
The main switch frame size is to be specified – If fuses of lower ampere rating are necessary, note this in the “notes/deviations” field of the 2D configuration screen.

Select either FTL or 100A sub feeds (100A fused switch branch circuits) exist – not both. No such designs exist.

GUIDED SELL: BASE PRODUCT FOR 2D CONFIGURATIONS


■ STEP 4

- The next screen will give a choice of panel options to select from. Choose the panel that best suits your requirements.



Sales ▾ CPQ Settings ▾ Application Builder ▾ Administration ▾

MFCP Panel Options



32 Ckt, 250A,
MLO, Feed thru
lug, MFCP



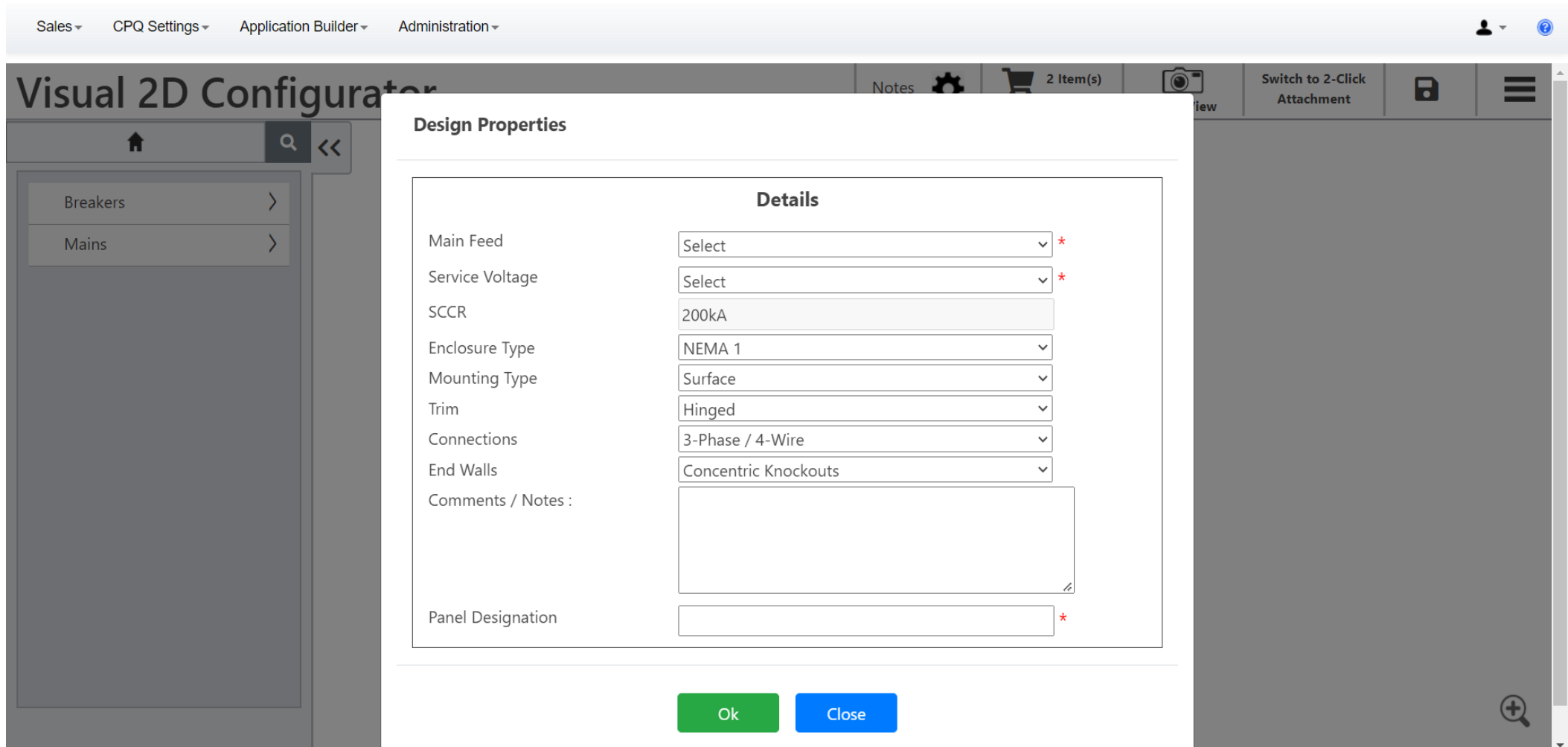
42 Ckt, 250A,
MLO, Feed thru
lug, MFCP

BACK

■ STEP 5

- Another pop-up window will appear where you will select the many options for the design properties of the panel.
- Several of these are set to a default but can be change based on the customer needs.
- Here you can add notes to the panel such as deviations or special instructions/requests.
- The panel designation or ID will be added as a suffix to a part number that will auto populate your completed panel.
- The Panel enclosure (size) will be automatically added to the BOM at this stage. Click “OK”.

DESIGN PROPERTIES



The screenshot displays the 'Visual 2D Configurator' interface. At the top, there is a navigation bar with 'Sales', 'CPQ Settings', 'Application Builder', and 'Administration'. Below this, a toolbar contains icons for 'Notes', '2 Item(s)', a camera, and 'Switch to 2-Click Attachment'. The main area is divided into a left sidebar with 'Breakers' and 'Mains' categories, and a central workspace. A 'Design Properties' dialog box is open, featuring a 'Details' section with the following fields:

Details	
Main Feed	Select *
Service Voltage	Select *
SCCR	200kA
Enclosure Type	NEMA 1
Mounting Type	Surface
Trim	Hinged
Connections	3-Phase / 4-Wire
End Walls	Concentric Knockouts
Comments / Notes :	<input type="text"/>
Panel Designation	<input type="text"/> *

At the bottom of the dialog box are two buttons: 'Ok' (green) and 'Close' (blue).



2D CONFIGURATION SCREEN



■ STEP 6





- Your 2D visual panel is now ready to configure.
- In the left column, select the option you would like to add.
- Find the desired branch device and click or click and drag to the panel. There are left and right designated devices.
- These devices can also be moved up or down to the desired location on the panel.









2D CONFIGURATION SCREEN

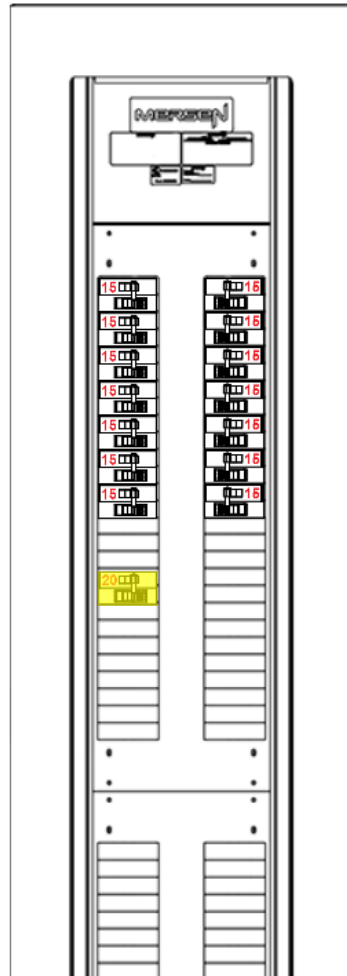
Visual 2D Configurator



Notes  Switch Mode
Free click **Step by step**  16 Item(s)
\$7,535.58



Home **Breakers**  

< Back 40 Results    

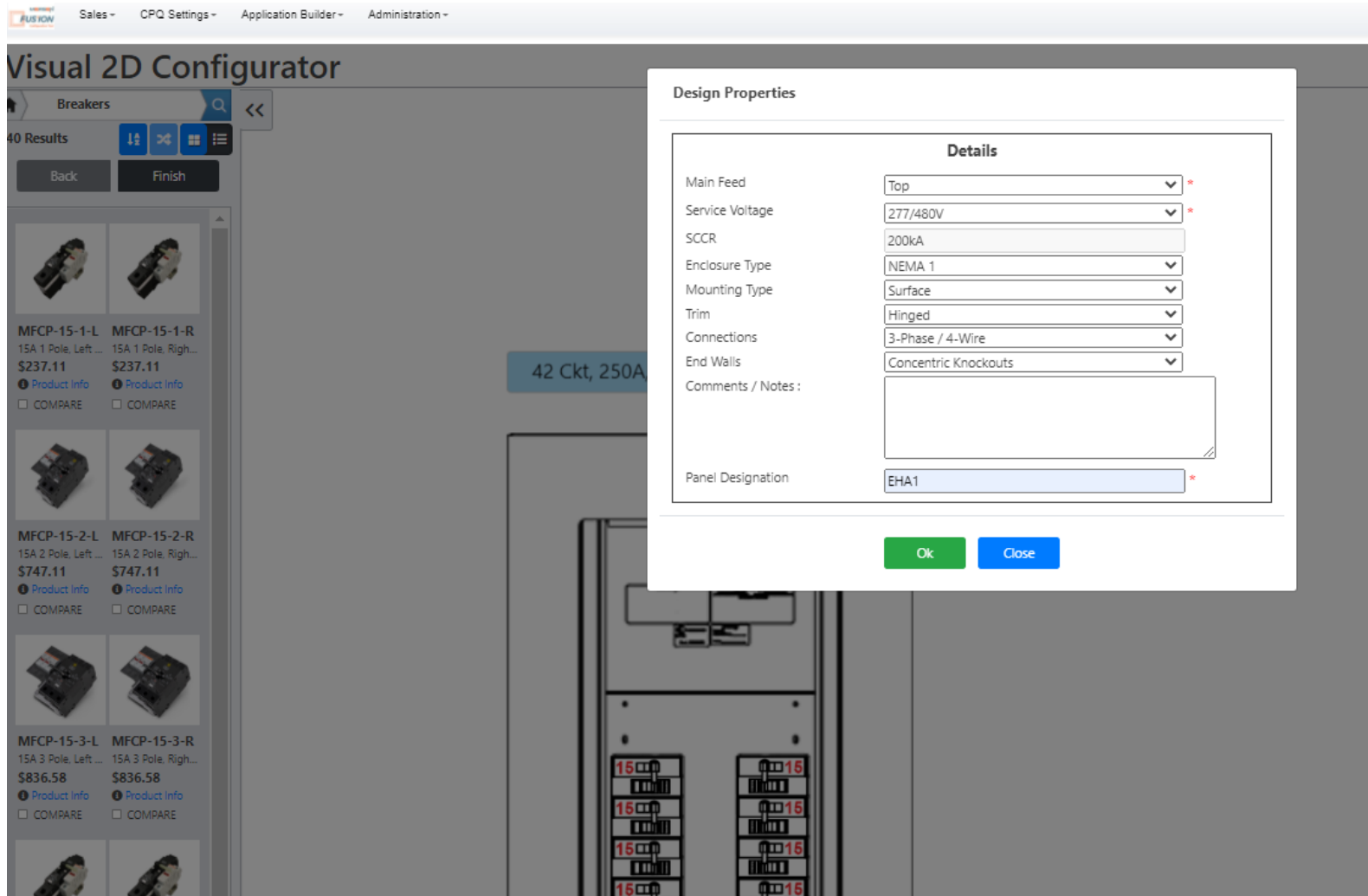
\$650.50  Product Info <input type="checkbox"/> COMPARE 	\$650.50  Product Info <input type="checkbox"/> COMPARE 
MFCP-20-1-L 20A 1 Pole, Left ... \$237.11  Product Info <input type="checkbox"/> COMPARE 	MFCP-20-1-R 20A 1 Pole, Right... \$237.11  Product Info <input type="checkbox"/> COMPARE 



MFCP-20-1-L  

 Product Info  Remove Product

PRODUCT DATA FOR FACTORY BUILD



The screenshot displays the 'Visual 2D Configurator' interface. On the left, a sidebar shows a list of breakers with images and specifications:

- MFCP-15-1-L: 15A 1 Pole, Left ... \$237.11
- MFCP-15-1-R: 15A 1 Pole, Right ... \$237.11
- MFCP-15-2-L: 15A 2 Pole, Left ... \$747.11
- MFCP-15-2-R: 15A 2 Pole, Right ... \$747.11
- MFCP-15-3-L: 15A 3 Pole, Left ... \$836.58
- MFCP-15-3-R: 15A 3 Pole, Right ... \$836.58

The main area shows a 2D panel layout with a '42 Ckt, 250A' label. A 'Design Properties' dialog box is open, containing the following fields:

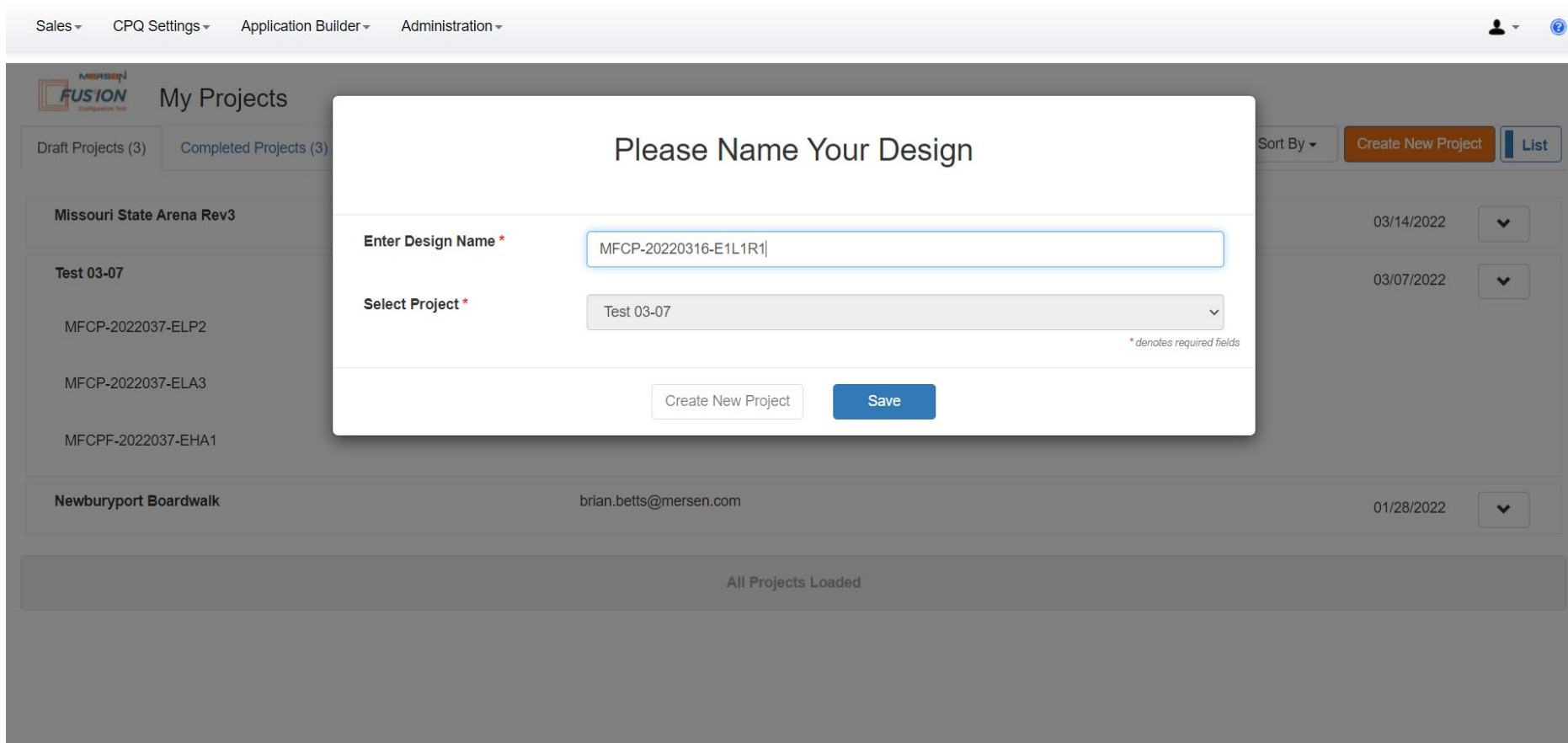
Details	
Main Feed	Top *
Service Voltage	277/480V *
SCCR	200kA
Enclosure Type	NEMA 1
Mounting Type	Surface
Trim	Hinged
Connections	3-Phase / 4-Wire
End Walls	Concentric Knockouts
Comments / Notes	
Panel Designation	EHA1 *

Buttons for 'Ok' and 'Close' are located at the bottom of the dialog box.

■ STEP 7

- Click the “Save” button when finished, another pop-up window will appear with the panel design part number ID and the project name. Click “Save”.
- Your MFCP panel is now completed and is saved in your draft projects. You can review at any time by selecting the project then selecting “Bill of Material”.

PRODUCT DATA FOR FACTORY BUILD




The screenshot displays the Mersen FUSION Configuration Tool interface. At the top, there is a navigation bar with menu items: Sales, CPQ Settings, Application Builder, and Administration. The main content area is titled 'My Projects' and features a sidebar with project categories: Draft Projects (3) and Completed Projects (3). A central dialog box titled 'Please Name Your Design' is open, containing the following fields and controls:

- Enter Design Name ***: A text input field containing 'MFCP-20220316-E1L1R1'.
- Select Project ***: A dropdown menu with 'Test 03-07' selected.
- Buttons**: 'Create New Project' and 'Save'.
- Footnote**: '* denotes required fields'.






The background interface shows a list of projects with columns for project name, email address, and date. The 'Newburyport Boardwalk' project is visible with email 'brian.betts@mersen.com' and date '01/28/2022'. A 'All Projects Loaded' message is displayed at the bottom of the project list.

PRODUCT DATA FOR FACTORY BUILD

Sales ▾ CPQ Settings ▾ Application Builder ▾ Administration ▾ 👤 🔔

 My Projects

Draft Projects (3) [Completed Projects \(3\)](#)

Missouri State Arena Rev3	brian.betts@mersen.com	03/14/2022	▾
Test 03-07	john.mathe@mersen.com	03/07/2022	▾
MFCP-20220316-E1L1R1	- 1 +	    	
MFCP-2022037-ELP2			
MFCP-2022037-ELA3			
MFCPF-2022037-EHA1			
Newburyport Boardwalk	brian.betts@mersen.com	01/28/2022	▾

All Projects Loaded

PRODUCT DATA FOR FACTORY BUILD

Sales ▾ CPQ Settings ▾ Application Builder ▾ Administration ▾

My Projects

Draft Projects (3) Completed Projects (3)

Missouri State Arena Rev3

Test 03-07

MFCP-20220316-E1L1R1

MFCP-2022037-ELP2

MFCP-2022037-ELA3

MFCPF-2022037-EHA1

Newburyport Boardwalk

MFCP-20220316-E1L1R1

Bill Of Materials

Quantity	Product Number	Description	Unit Price	Total
1	MFCP-25-2-L	25A 2 Pole, Left Side Fused Breaker	\$747.11	\$747.11
1	MFCP-20-3-L	20A 3 Pole, Left Side Fused Breaker	\$836.58	\$836.58
6	MFCP-30-1-L	30A 1 Pole, Left Side Fused Breaker	\$237.11	\$1,422.66
1	MFCP-MH86	PNL ENC/BOX TYPE1 86 H 20W	\$212.42	\$212.42
1	MFCP-25-3-R	25A 3 Pole, Right Side Fused Breaker	\$836.58	\$836.58
1	MFCP-20-3-R	20A 3 Pole, Right Side Fused Breaker	\$836.58	\$836.58
1	MFCP400A_40_MLO_0	40 Ckt, 400A, MLO, MFCP	\$2,715.49	\$2,715.49
1	MFCP-25-2-R	25A 2 Pole, Right Side Fused Breaker	\$747.11	\$747.11
1	MFCP-25-3-L	25A 3 Pole, Left Side Fused Breaker	\$836.58	\$836.58
1	MFCP-SPD-600V	600V Wye Connected 75kA SPD	\$1,400.00	\$1,400.00
6	MFCP-30-1-R	30A 1 Pole, Right Side Fused Breaker	\$237.11	\$1,422.66

Total: \$12,013.77

Close

Sort By ▾ Create New Project List

03/14/2022 ▾

03/07/2022 ▾

01/28/2022 ▾

PART SELECTOR: SPARE PARTS AND FUSES

■ STEP 8

- From here you can select the project and continue to add a new design, add items from the parts selector tool or complete your project.


Product and Accessory Selector

Part number Product Type Amperage Voltage

<input type="checkbox"/>	Part Number	Product Description	Product Type / Fuse Class	Price	Amperage	Quantity	Voltage	Indicating Y/N	Frame Size
<input type="checkbox"/>	A4BQ600	L TD FUSE 600V 600A A4BQ	L	822.64	600	<input type="text"/>	600	N	800
<input type="checkbox"/>	A4BQ6000	L TD FUSE 600V 6000A A4BQ	L	5296.29	6000	<input type="text"/>	600	N	6000

CPQ TOOL FOR TALKING PART NUMBERS: ELEVATOR SWITCH MODULE

Sales ▾

 My Projects

Draft Projects (0) Completed Projects (3)

Newburyport Boardwalk

3E Test







WHITEHAL COPLY

MFCP-2022027-SKKM

MFCPF-2022027-SGEN

WHITEHAL COPLY

Bill Of Materials

Quantity	Product Number	Description	Unit Price	Total	Delete
<input type="text" value="1"/>	MFCP-2022027-SKKM			\$9,754.18	
<input type="text" value="1"/>	MFCPF-2022027-SGEN			\$40,198.65	
<input type="text" value="1"/>	ES3T20R1RN1BS	Shunt Trip Switch	\$6,596.18	\$6,596.18	
<input type="text" value="6"/>	MFCP-20-1-R	MFCP-20-1-R	\$237.11	\$1,422.66	
<input type="text" value="6"/>	MFCP-20-1-L	MFCP-20-1-L	\$237.11	\$1,422.66	
<input type="text" value="3"/>	A4BQ300	L TD FUSE 600V 300A A4BQ	\$822.64	\$2,467.92	

Project Total: \$61,862.25

[Close](#)

ROADMAP

- Integration with CRM and ERP
- May allow for process change for order entry and shipment.
- 3D configuration available if useful on future products (D08 may be one example where it may help, or other engineered equipment).
- Table based functionality in background can allow for expansion of future selection tools.



WHITEHAL COPLY

Bill Of Materials

Quantity	Product Number	Description
8	MFCP-20-1-R	20A 1 Pole, Right Side Fused Breaker
1	MFCP250A_32_FS100_F	32 Ckt, 250A, 100A Main Switch, Feed thru lug
8	MFCP-20-1-L	20A 1 Pole, Left Side Fused Breaker
1	MFCP-60-3-L	60A 3 Pole, Left Side Fused Breaker
1	MFCP-SPD-480V	480V Wye Connected 75kA SPD

<input type="checkbox"/>	1	MFCPF-2022027-SGEN		\$40,198.65		
<input type="checkbox"/>	1	ES3T20R1RN1BS	Shunt Trip Switch	\$6,596.18	\$6,596.18	
<input type="checkbox"/>	6	MFCP-20-1-R	MFCP-20-1-R	\$237.11	\$1,422.66	
<input type="checkbox"/>	6	MFCP-20-1-L	MFCP-20-1-L	\$237.11	\$1,422.66	

Project Total: \$61,862.25

Close

■ STEP 9

- If you wish to add an Elevator Shunt Trip unit or a Multi Elevator Shunt Trip enclosure, click either button which will bring you to a series of screens whereby selecting your options will create a part number and price for your panel. This will also be added to your BOM under the project name you created in Step 1.



Product Configurator Departments



Shunt Trip Guide



Panel Generation and Configuration Tool



MES-Panel



STXT Configurator

NON-VISUAL TOOL SELECTION

[Back To Departments](#)

[Next](#)

< **Shunt Trip Switch** >

Series

Please select the one and only option of ES

- ES series - this is a description that will help my user

Ampere Rating

Select an amp rating for your switch

- 30A
- 60A
- 100A
- 200A
- 400A

Control XFMR

- 208VAC to 120VAC
- 240VAC to 120VAC
- 480VAC to 120VAC
- 600VAC to 120VAC

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION




■ STEP 10

- Once you have finished adding items to your project, select “Complete Project” from the drop down.
- Then go to the Completed Projects tab, select from options from the drop down tab – “Bill of Materials”--“Adjust Pricing”--“Create Proposal”.
- You can review the BOM summary, adjust pricing if sending out to your customer and create the final proposal to be issued to the customer.

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION

Sales ▾ 👤 ⓘ

 My Projects

Draft Projects (5) | Completed Projects (8) 🔍 Sort By ▾ [Create New Project](#) [List](#)

NewProject 2	portaluser@axonom.com	03/15/2022	▾
New Project1	Portaluser@axonom.com	03/15/2022	▾
Test Back box	portaluser@axonom.com		
Rev(1) Newburyport Boardwalk	portaluser@axonom.com		
TEST MFCP	brian.betts@mersen.com		
Newburyport Boardwalk	brian.betts@mersen.com	01/27/2022	▾
3E Test	portaluser@axonom.com	01/25/2022	▾
WHITEHAL COPLY	portaluser@axonom.com	01/25/2022	▾

All Projects Loaded

- Bill Of Materials
- Adjust Pricing
- Create Proposal
- More Options

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION

Sales ▾

My Projects

Draft Projects (5) Completed Projects

NewProject 2

New Project1

MFCP-20220315-EHA1

Test Back box

Rev(1) Newburyport Boardwalk

TEST MFCP

Newburyport Boardwalk

3E Test

WHITEHAL COPLY

New Project1

Bill Of Materials

Quantity	Product Number	Description	Unit Price	Total	Delete
<input type="text" value="1"/>	MFCP-20220315-EHA1			\$8,175.80	
Quantity	Product Number	Description	Unit Price	Total	Delete
1	MFCP-MH50	PANEL BOARD ENCLOSURE			
10	MFCP-20-1-R	20A 1 Pole, Right Side Fused Breaker			
1	MFCP-20-3-R	20A 3 Pole, Right Side Fused Breaker			
2	MFCP-15-1-L	15A 1 Pole, Left Side Fused Breaker			
10	MFCP-20-1-L	20A 1 Pole, Left Side Fused Breaker			
1	MFCP250A_26_MLO_0	26 Ckt, 250A, MLO, MFCP			
<input type="text" value="1"/>	ES6T20R1KRN1CS	Shunt Trip Switch	\$6,886.62	\$6,886.62	

Project Total: \$15,659.64

Sort By ▾ Create New Project List

03/15/2022 ▾

03/15/2022 ▾

03/14/2022 ▾

03/03/2022 ▾

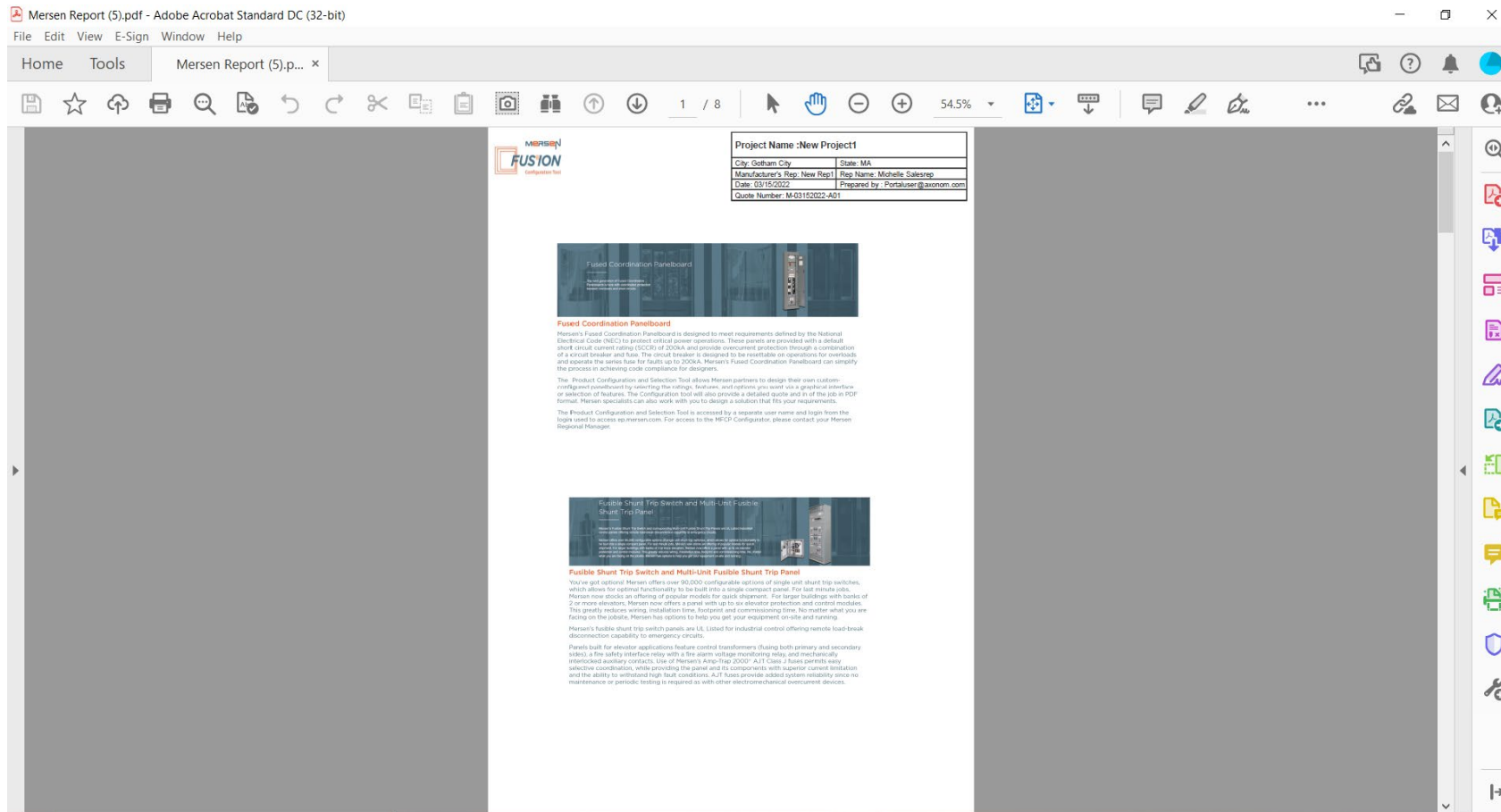
02/18/2022 ▾

01/27/2022 ▾

01/25/2022 ▾

01/25/2022 ▾

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION



Mersen Report (5).pdf - Adobe Acrobat Standard DC (32-bit)

File Edit View E-Sign Window Help

Home Tools Mersen Report (5).p... x

1 / 8 54.5%

Project Name :New Project1	
City: Osham City	State: MA
Manufacturer's Rep: New Rep1	Rep Name: Michelle Salesrep
Date: 03/15/2022	Prepared by: Portaluser@axonom.com
Quote Number: M-03102022-401	

Fused Coordination Panelboard

Mersen's Fused Coordination Panelboard is designed to meet requirements defined by the National Electrical Code (NEC) to protect critical power operations. These panels are provided with a default short circuit current rating (SCCR) of 200kA and provide overcurrent protection through a combination of a circuit breaker and fuse. The circuit breaker is designed to be resettable on operations for overloads and operates the series fuse for faults up to 200kA. Mersen's Fused Coordination Panelboard can simplify the process in achieving code compliance for designers.

The Product Configuration and Selection Tool allows Mersen partners to design their own custom-configured panelboard by selecting the ratings, features, and options you want via a graphical interface, or selection of features. The Configuration tool will also provide a detailed quote and a PDF of the job in PDF format. Mersen specialists can also work with you to design a solution that fits your requirements.

The Product Configuration and Selection Tool is accessed by a separate user name and login from the right hand to access rep.axonom.com. For access to the MFCP Configurator, please contact your Mersen Regional Manager.

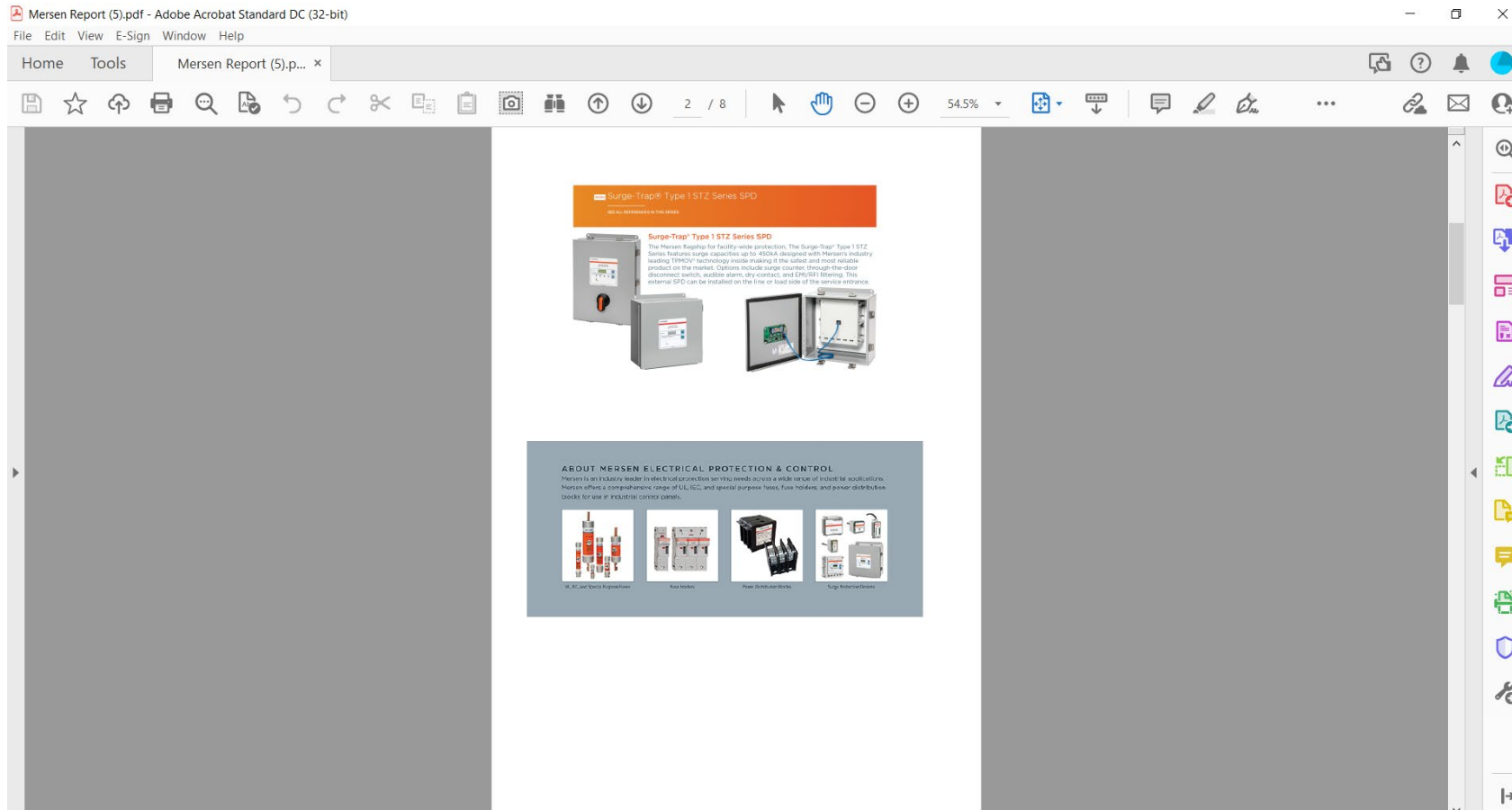
Fusible Shunt Trip Switch and Multi-Unit Fusible Shunt Trip Panel

You've got options! Mersen offers over 90,000 configurable options of single unit shunt trip switches, which allows for optional functionality to be built into a single compact panel. For fast release jobs, Mersen now stocks an offering of popular models for quick shipment. For larger buildings with banks of 2 or more elevators, Mersen now offers a panel with up to six elevator protection and control modules. This greatly reduces wiring, installation time, footprint, and commissioning time. No matter what you are facing on the job, Mersen has options to help you get your equipment online and running.

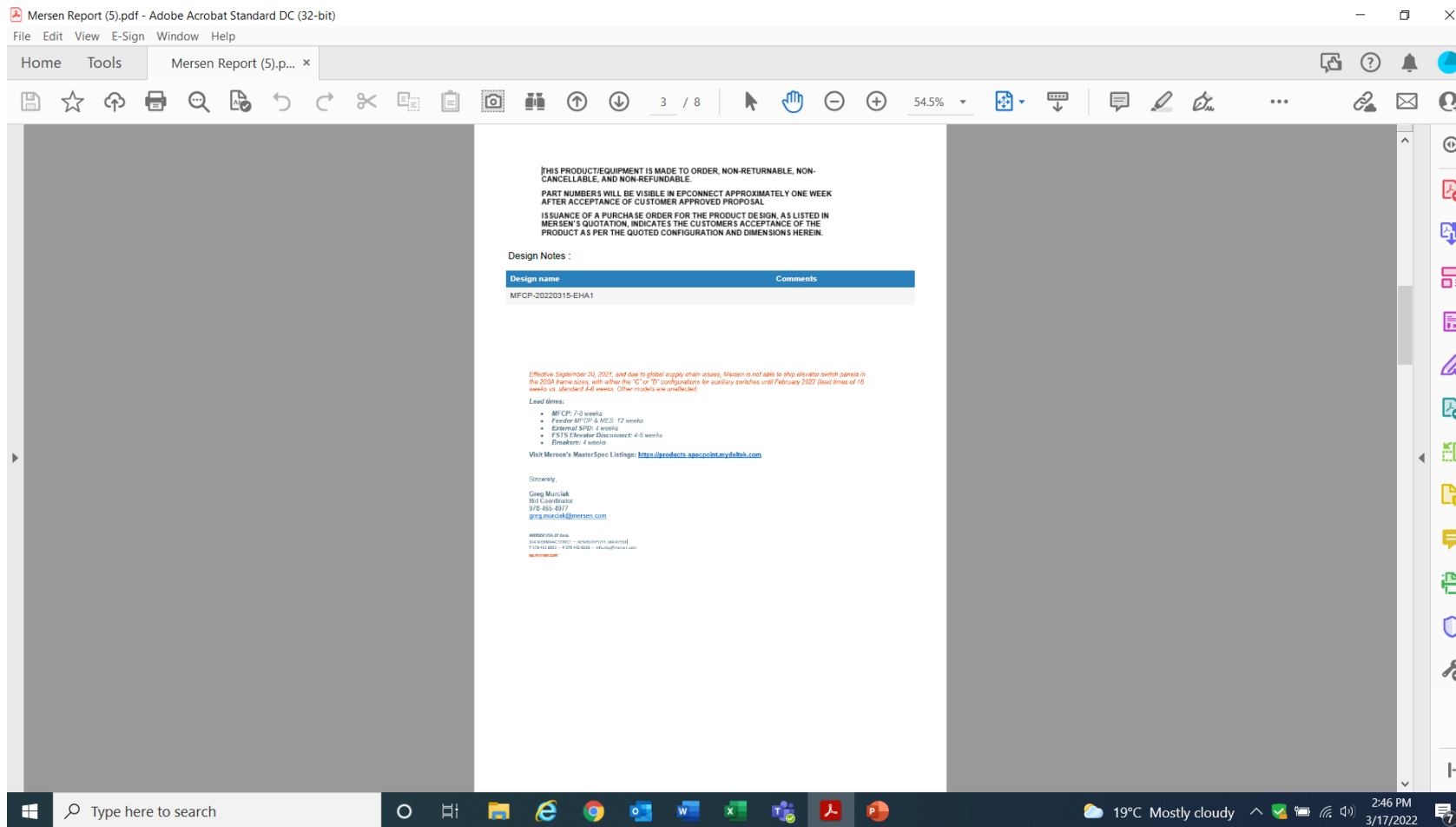
Mersen's fusible shunt trip switch panels are UL Listed for industrial control offering remote load-break disconnection capability to emergency circuits.

Panel built for elevator applications feature control transformers (having both primary and secondary sides), a safety interface relay with a fire alarm voltage monitoring relay, and mechanically interlocked auxiliary contacts. Use of Mersen's shunt-trip (ST) 2000-A ST Class 2 fuses permits easy selective coordination, while providing the panel and its components with superior current limitation and the ability to withstand high fault conditions. All fuses provide added system reliability since no maintenance or periodic testing is required as with other electromechanical overcurrent devices.

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION



SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION



SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION

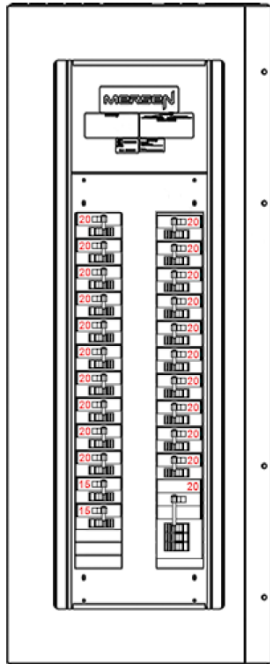
Mersen Report (5).pdf - Adobe Acrobat Standard DC (32-bit)

File Edit View E-Sign Window Help

Home Tools Mersen Report (5).p... x

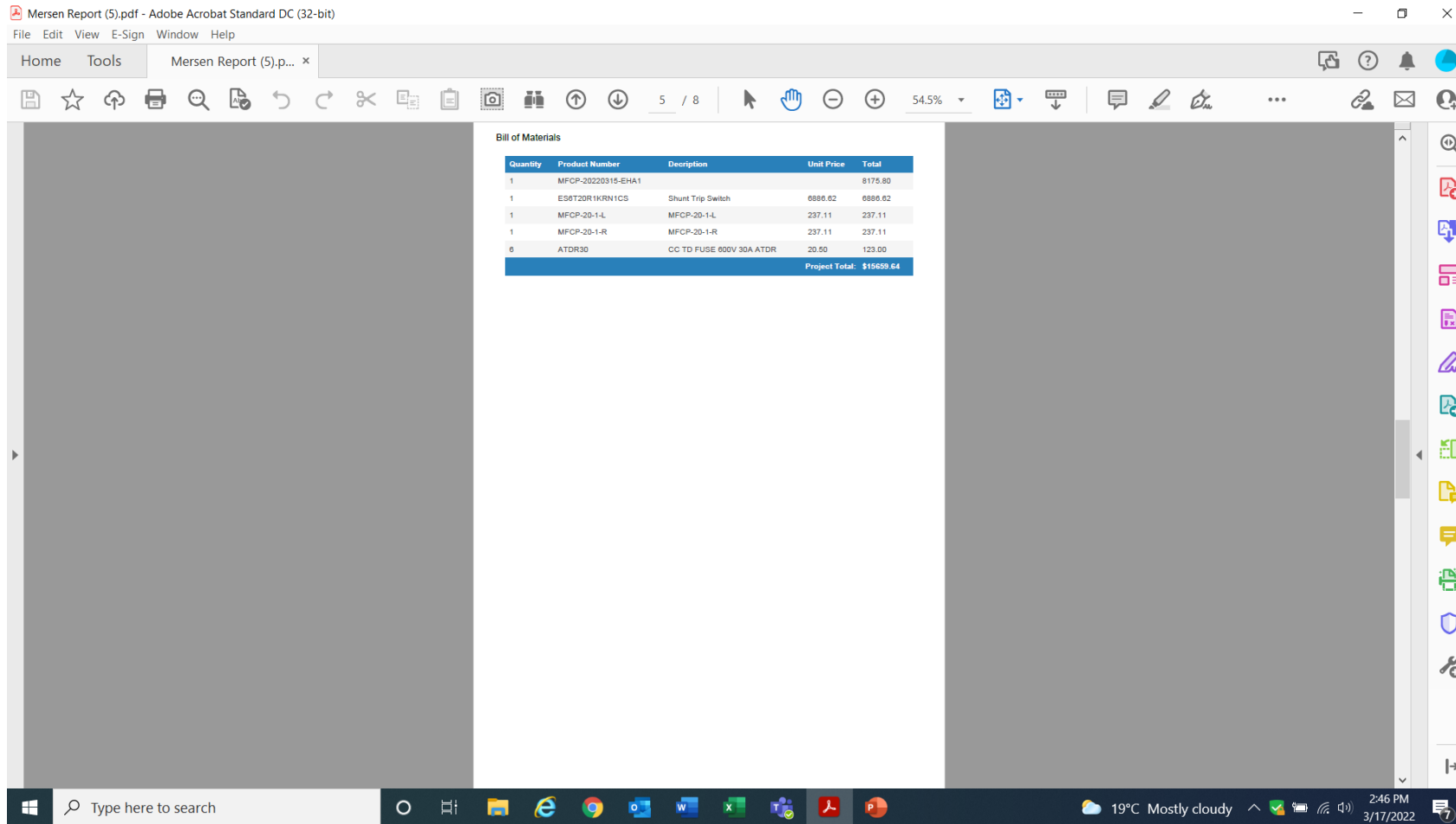
4 / 8 54.5%

Designs :
Design name : MFCP-20220315-EHA1



Design Properties	
Main Feed :	Top
Service Voltage :	277480V
SCCR :	200kA
Enclosure Type :	NEMA 1
Mounting Type :	Surface
Trim :	Hinged
Connections :	3-Phase / 4-Wire
End Walls :	Concentric Knockouts
Comments / Notes :	
Panel Designation :	EHA1

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION



Mersen Report (5).pdf - Adobe Acrobat Standard DC (32-bit)

File Edit View E-Sign Window Help

Home Tools Mersen Report (5).p... x

5 / 8 54.5%

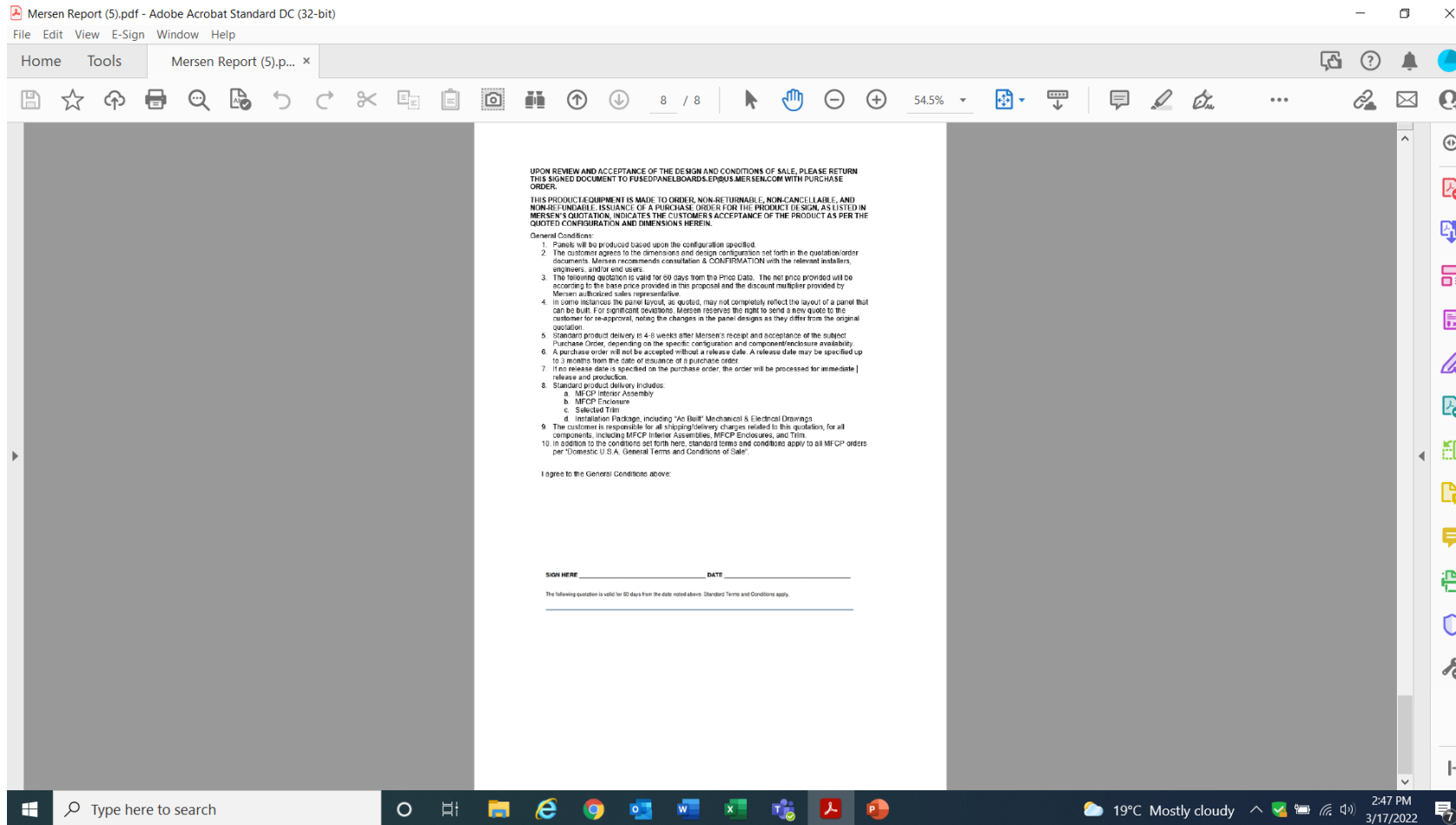
Bill of Materials

Quantity	Product Number	Description	Unit Price	Total
1	MFCP-20220315-EHA1			8175.80
1	ES6T20R1KRN1CS	Shunt Trip Switch	6886.62	6886.62
1	MFCP-20-1-L	MFCP-20-1-L	237.11	237.11
1	MFCP-20-1-R	MFCP-20-1-R	237.11	237.11
6	ATDR30	CC TD FUSE 600V 30A ATDR	20.50	123.00
Project Total:				\$15659.64

Type here to search

19°C Mostly cloudy 2:46 PM 3/17/2022

SUMMARY AND REVIEW: COMPLETING PROJECT AND PROPOSAL GENERATION





MERSEN
Expertise, our source of energy