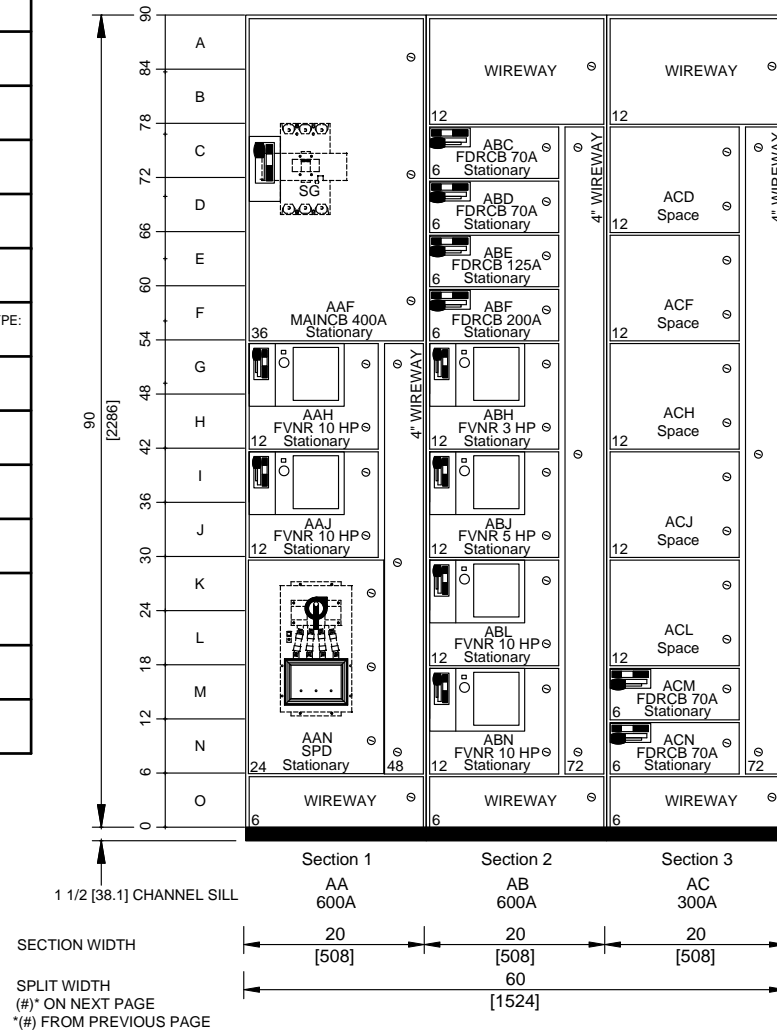


ALL DIMENSIONS SHOWN ARE IN INCHES [MM].

OVERALL EQUIPMENT
RATING

SYSTEM VOLTAGE: 208V
PHASE - WIRE 3P4W
FREQUENCY 60 Hertz
SYSTEM CURRENT RATING: 400
SHORT CIRCUIT RATING: 30000
MAIN BUS AMPS: 600
GROUND AMPS: 300A
NEUTRAL: 50% Rating
BUS BRACING: 65000
BUS MATERIAL / PLATING TYPE: COPPER/TIN (STD)
ENCLOSURE: NEMA 1G
MOUNTING TYPE: Front Only
WIRE CLASS: I-BD
CONTROL VOLTAGE: 120
VERTICAL MINIMUM BUS CURRENT RATING: 300
STANDARD: UL Listed
NUMBER OF SECTIONS 3

Main Incoming Top
(2) #2/0 AWG - 500 MCM
ALUMINUM PER PHASE



PROJECT NAME :
ACETI-OXIGENO AGUADULCE

CUSTOMER:
ELECTRICIDAD
CASTELLANOS, PANAMA

W1 Date:10/01/2021 14:27:49



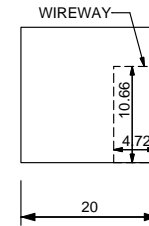
Industrial
Solutions
by ABB

DRAWING TITLE: Front View
CREATED BY: Mosquera, Luis
DATE: 09/30/2021 17:39:52
REVISION NO.

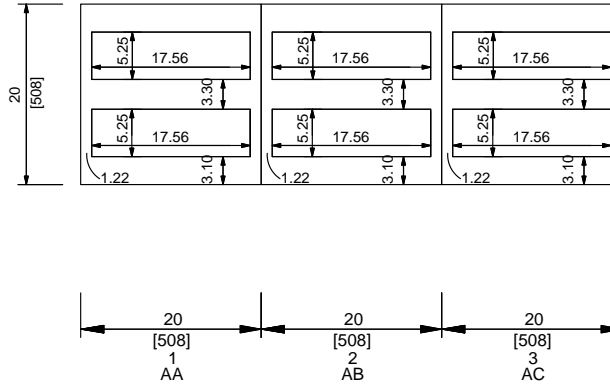
PRODUCT NAME:
ReliaGear LV MCC
Motor Control Center

DRAWING NO:
ITEM NO: 1
MARKS: MCC
QUOTE NO: UX9-00015119
SHEET: 1 of 5

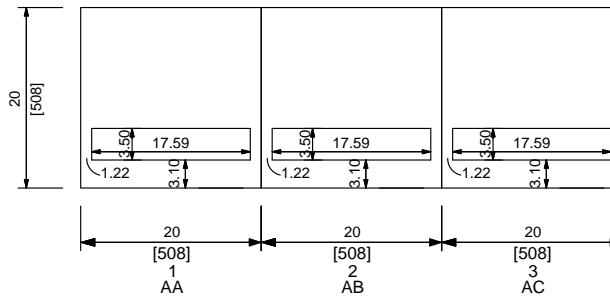
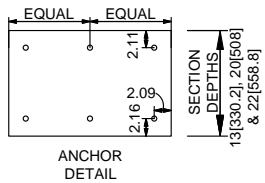
ALL DIMENSIONS SHOWN ARE IN INCHES [MM].



TOP VIEW



BOTTOM VIEW



PROJECT NAME :
ACETI-OXIGENO AGUADULCE

CUSTOMER:
ELECTRICIDAD
CASTELLANOS, PANAMA

W1 Date:10/01/2021 14:27:49



Industrial
Solutions **by ABB**

DRAWING TITLE: Conduit View
CREATED BY: Mosquera, Luis
DATE: 09/30/2021 17:39:52
REVISION NO.

PRODUCT NAME:
ReliaGear LV MCC
Motor Control Center

DRAWING NO:
ITEM NO: 1
MARKS: MCC
QUOTE NO: UX9-00015119
SHEET: 2 of 5

UNIT LOC	CIRCUIT NAME	WIRE DIAGRAM	FUNCTION	HEIGHT	SIZE	HP, KW, K=KW	FULL LOAD AMPS	RPM	SERVICE FACTOR	OVERLOAD HEATER	OVERLOAD RELAY	CIRCUIT BREAKER/ SWITCH	TRIP FUSE/ CLIP	FUSES BY	TOTAL INTERLOCK NO NC	CPT VA	INDICATING LIGHTS	SWITCH	PUSH BUTTON	NOTES
AAF	BLANK NP		MAINCB	36								SGL4T	400A							
Device furnished with (LI) characteristics only Instantaneous is adjustable. Stationary Stab.																				
AAH	BLANK NP		FVNR	12	2	10HP	27.5	1800	1.15	25-50 SSOL - DXJ(Y)	SOLID STATE	SELI	50A		2	1	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
AAJ	BLANK NP		FVNR	12	2	10HP	27.5	1800	1.15	25-50 SSOL - DXJ(Y)	SOLID STATE	SELI	50A		2	1	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
AAN	BLANK NP		SPD	24																
ABC	BLANK NP		FDRCB	6								XT2N125	70A							
Thermal Magnetic Fixed trip unit with LI protection. The load of the unit will support cable range of #10 - 1/0 AWG and (1) cables per phase. Stationary Stab.																				
ABD	BLANK NP		FDRCB	6								XT2N125	70A							
Thermal Magnetic Fixed trip unit with LI protection. The load of the unit will support cable range of #10 - 1/0 AWG and (1) cables per phase. Stationary Stab.																				
ABE	BLANK NP		FDRCB	6								XT2N125	125A							
Thermal Magnetic Adjustable trip unit with LI protection. The load of the unit will support cable range of #10 - 1/0 AWG and (1) cables per phase. Stationary Stab.																				
ABF	BLANK NP		FDRCB	6								XT4N250	200A							
Thermal Magnetic Fixed trip unit with LI protection. The load of the unit will support cable range of #4 - 300 MCM and (1) cables per phase. Stationary Stab.																				
ABH	BLANK NP		FVNR	12	1	3HP	9	1800	1.15	6.5-13.5 SSOL - CXG	SOLID STATE	SELI	15A		2	1	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
ABJ	BLANK NP		FVNR	12	1	5HP	14.4	1800	1.15	13-27 SSOL - CXH	SOLID STATE	SELI	20A		3	2	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
ABL	BLANK NP		FVNR	12	2	10HP	27.5	1800	1.15	25-50 SSOL - DXJ(Y)	SOLID STATE	SELI	50A		2	1	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
ABN	BLANK NP		FVNR	12	2	10HP	27.5	1800	1.15	25-50 SSOL - DXJ(Y)	SOLID STATE	SELI	50A		2	1	150	2	1	2
Unit is provided with: Run Red LED Standard Light(s). Stop Green LED Standard Light(s). Hand / Off / Auto and Stop / Start Non Illuminated Black / (Red / Black) Switch and Push Button Provided. Control Power for the Unit is provided via a Control Power Transformer. Stationary Stab.Device furnished with (LI) characteristics only Instantaneous is adjustable.																				
ACD	BLANK NP		SPACE	12																
ACF	BLANK NP		SPACE	12																
ACH	BLANK NP		SPACE	12																
ACJ	BLANK NP		SPACE	12																
ACL	BLANK NP		SPACE	12																
ACM	BLANK NP		FDRCB	6								XT2N125	70A							
Thermal Magnetic Fixed trip unit with LI protection. The load of the unit will support cable range of #10 - 1/0 AWG and (1) cables per phase. Stationary Stab.																				
ACN	BLANK NP		FDRCB	6								XT2N125	70A							
Thermal Magnetic Fixed trip unit with LI protection. The load of the unit will support cable range of #10 - 1/0 AWG and (1) cables per phase. Stationary Stab.																				

PROJECT NAME :
ACETI-OXIGENO AGUADULCE

CUSTOMER:
ELECTRICIDAD
CASTELLANOS, PANAMA

W1 Date:10/01/2021 14:27:49



Industrial
Solutions **by ABB**

DRAWING TITLE: Unit Summary
CREATED BY: Mosquera, Luis
DATE: 09/30/2021 17:39:52
REVISION NO.

PRODUCT NAME:
ReliaGear LV MCC
Motor Control Center

DRAWING NO:
ITEM NO: 1
MARKS: MCC
QUOTE NO: UX9-00015119
SHEET: 3 of 5

GENERAL NOTES FOR ENTIRE JOB:

1. MCC Enclosure is furnished per Nema Type 1 Gasketed specifications.
2. Tin-Plated Stabs are furnished with stab units.
3. Hi-Density Pull-Apart Control Terminal Boards will be supplied.
4. All unused stab holes in vertical bus will be plugged.
5. MTW VW1 wire required for all control wire.
6. MTW VW1 wire required for all power wire.
7. Standard Stripped wire connections on all power wire.
8. Standard stripped wire connections on all control wires.
9. Standard power terminal boards will be supplied.
10. Communication wiring will NOT be provided from the factory for any devices in the lineup.
11. Standard blank doors provided for starter units without any pilot lights, selector switches or push buttons selected.
12. MCC Furnished with Black with White Text Unit Nameplates.
13. Main, Vertical, Ground and Neutral Bus will be furnished with Double Bolt Joints.
14. Each vertical section will be provided with Rear Covers.
15. Seismic Rating will NOT be provided with this Lineup.
16. MCC Furnished with Type 2 SPD ME 65kA per mode / 130kA per phase, 200KAIC. SPD Furnished with Indicating Lights, Alarm, Form C Contacts, Surge Counter & Disconnect Switch.
17. Customer will NOT provide Specifications or Drawings to the Factory.
18. MCC Lineup will be provide with 2" Main bus.

PROJECT NAME :
ACETI-OXIGENO AGUADULCE



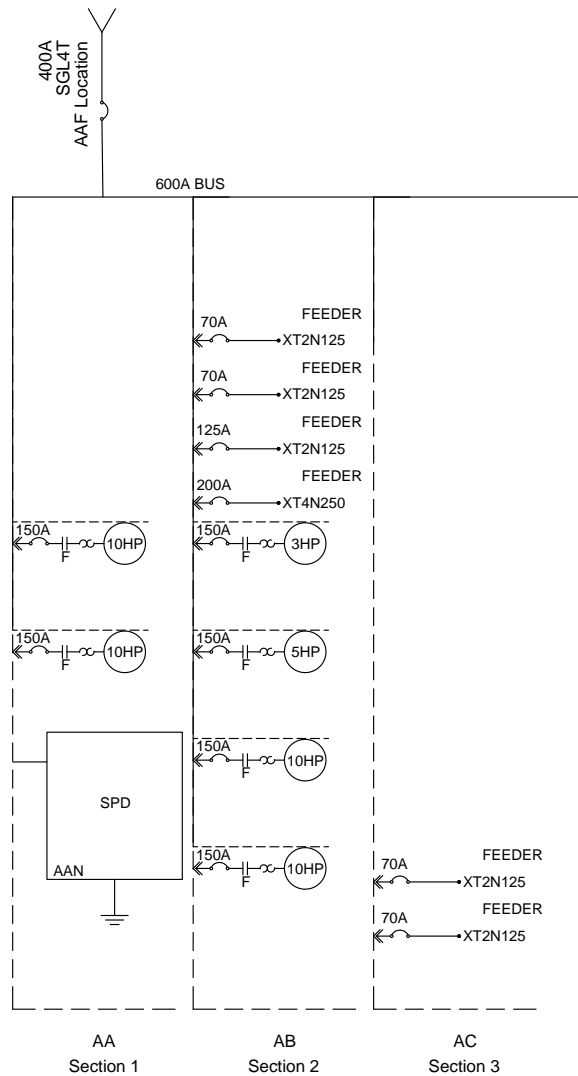
Industrial
Solutions **by ABB**

DRAWING TITLE:	Notes Sheet
CREATED BY:	Mosquera, Luis
DATE:	09/30/2021 17:39:52
REVISION NO.	

PRODUCT NAME:
ReliaGear LV MCC
Motor Control Center

DRAWING NO:	
ITEM NO:	1
MARKS:	MCC
QUOTE NO:	UX9-00015119
SHEET:	4 of 5

CUSTOMER:
ELECTRICIDAD
CASTELLANOS, PANAMA
W1 Date:10/01/2021 14:27:49



PROJECT NAME :
ACETI-OXÍGENO AGUADULCE

CUSTOMER:
ELECTRICIDAD
CASTELLANOS, PANAMA



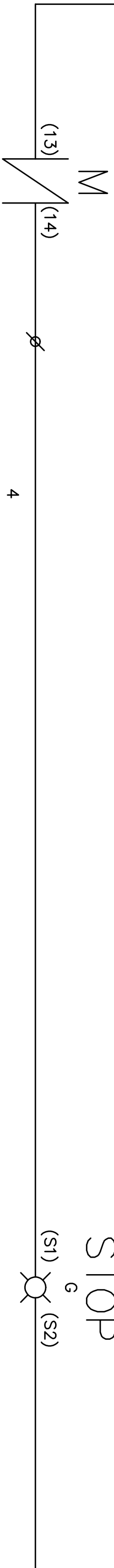
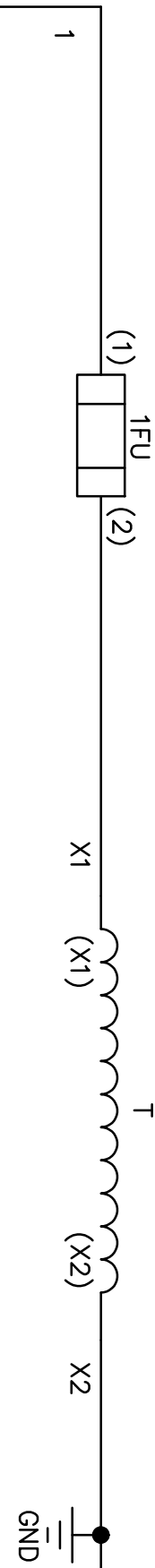
Industrial
Solutions **by ABB**

DRAWING TITLE: Line Diagram
CREATED BY: Mosquera, Luis
DATE: 09/30/2021 17:39:52
REVISION NO.

PRODUCT NAME:
ReliaGear LV MCC
Motor Control Center

DRAWING NO:
ITEM NO: 1
MARKS: MCC
QUOTE NO: UX9-00015119
SHEET: 5 of 5

W1 Date:10/01/2021 14:27:49



Aceti-Oxigeno, S.A.
FABRICANTES DE GASES PARA USO MEDICO E INDUSTRIAIS

