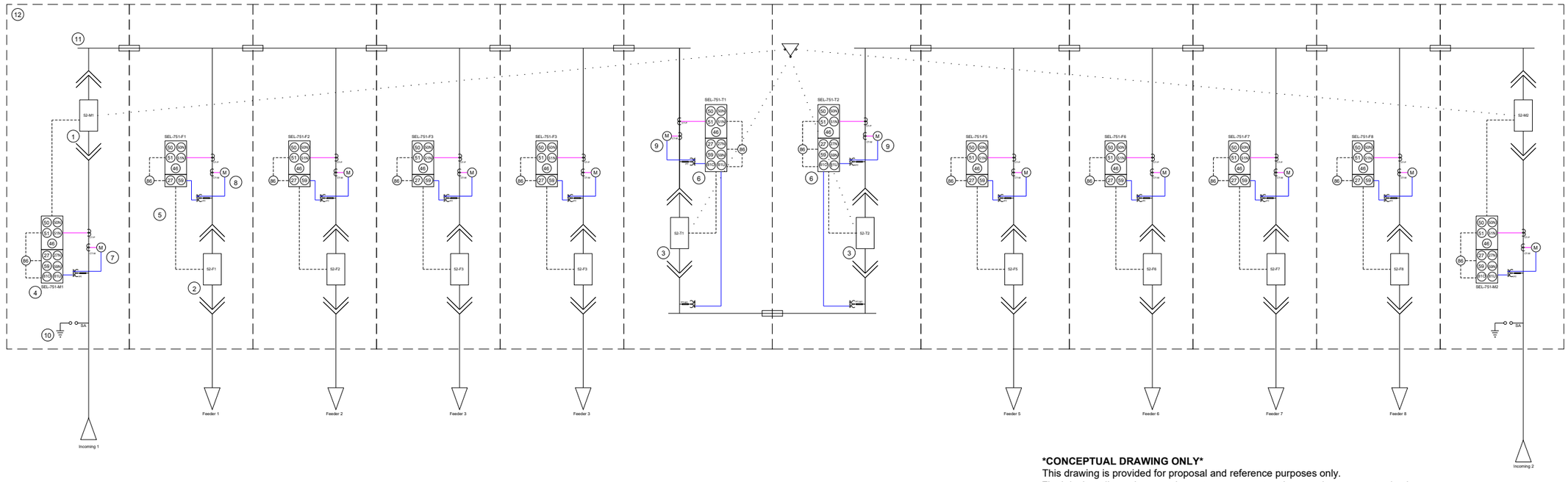
REV	DESCRIPTION	DATE
A		07.07.2026

MPD-MES-VCB-3P3W-2.8.2T-38KV-2000A-40
DO-FM-BEBE-S.R.M.-CU-N3R-LF-WOSP-M1

LARSON ELECTRONICS®

SKU: MPD-MES-VCB-3P3W-2.8.2T-38KV-2000A-40K-DO-FM-BEBE-S.R.M.-CU-N3R-LF-WOSP-M1

Unit Details: Metal Enclosed Switchgear, Vacuum Circuit Breaker, 3-Ph, 3-Wire, 2 In/ 8 Out/ 2 Tie Breakers, 38kV, 2000A, 40 kA, Draw-Out Type, Floor-Mounted, Bottom Entry/Bottom Exit, Surge Arresters + Relay + Meter, Copper, NEMA 3R, Live Front, woFeat, Model 1



1 MAIN VACUUM CIRCUIT BREAKERS:
VCB-M1 & VCB-M2
38kV Class
2000A Continuous Current
40kA Symmetrical Interrupting Rating
Draw-Out Type
Three-Pole Operation
Open / Closed Position Indication
Mechanical Operations Counter
Standard Auxiliary Contacts (52A, 52B)

2 FEEDER VACUUM CIRCUIT BREAKERS:
VCB-F1 through VCB-F8
38kV Class
1200A Continuous Current
40kA Symmetrical Interrupting Rating
Draw-Out Type
Three-Pole Operation
Open / Closed Position Indication
Standard Auxiliary Contacts (52A, 52B)

3 BUS TIE VACUUM CIRCUIT BREAKER:
VCB-T1 & VCB-T2
38kV Class
2000A Continuous Current
40kA Symmetrical Interrupting Rating
Draw-Out Type
Three-Pole Operation
Main-Tie-Main Interlocked Operation
Break-Before-Make Transfer Logic

4 MAIN PROTECTION:
(2) SEL-751 Protection Relays
Line-Side CTs & PTs
ANSI 50/51
ANSI 50/51N
ANSI 27/59
ANSI 81O/U
ANSI 86 Lockout

5 FEEDER PROTECTION:
(8) SEL-751 Protection Relays
Line-Side CTs & PTs
ANSI 50/51
ANSI 50/51N
ANSI 27/59
ANSI 86 Lockout

6 BUS TIE PROTECTION:
(2) SEL-751 Protection Relay
Line-Side CTs & PTs
ANSI 50/51
ANSI 50/51N
ANSI 27/59
ANSI 81O/U
ANSI 86 Lockout

7 MAIN METERING:
(2) Revenue Metering Packages
Metering CTs
Metering PTs
Utility Revenue Metering Provision

8 FEEDER METERING:
(8) Metering Packages
Metering CTs
Metering PTs
Feeder Power Monitoring

9 BUS TIE METERING:
(2) Metering Package
Metering CTs
Metering PTs
Bus Section Monitoring

10 INCOMING SURGE ARRESTERS:
(2) Distribution Class Surge Arresters
One (1) Per Incoming Source
38kV Class
Incoming Line Protection

11 BUS SYSTEM:
2000A Copper Main Bus
Sectionalized Dual Bus Arrangement
Copper Ground Bus
Bus Tie Connection
Medium Voltage Insulation System

12 ENCLOSURE & CONSTRUCTION:
Metal Enclosed Switchgear
NEMA 3R Outdoor Enclosure
Live Front Construction
Heavy Gauge Steel Construction
Floor Mounted
Bottom Entry / Bottom Exit
Front Accessible Compartments
Lockable Doors
Standard Manufacturer Finish

SINGLE LINE DIAGRAM
MV Switchgear by Larson Electronics

CONCEPTUAL DRAWING ONLY
This drawing is provided for proposal and reference purposes only.
Final design, dimensions, equipment arrangement, ratings, and component selection are subject to detailed engineering review, customer approval, and manufacturing standards.

NOTES:

1. Main-Tie-Main lineup consists of two (2) incoming mains, one (1) bus tie, and eight (8) feeder vacuum circuit breakers.
2. Main breakers and bus tie are mechanically and/or electrically interlocked with break-before-make transfer logic.
3. CTs and PTs are located on the line side of all vacuum circuit breakers.
4. Protection, metering, communications, and interlocking philosophy are subject to final customer approval.
5. Equipment shall comply with applicable ANSI, IEEE, NEC, and NEMA standards.

LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE		
MPD-MES-VCB-3P3W-2.8.2T-38KV-2000A-40 -DO-FM-BEBE-S.R.M.-CU-N3R-LF-WOSP-M1		
DRAWN BY: JMD	DATE: 07.07.2026	REV: A
CHECKED BY: R.DOMETITA	SHEET #: 1 OF 1	DRAWING #: 101