REV	DESCRIPTION	BY	DATE									
A	AS BUILT	KL	09/16/04	–	----	--	--/--/--	–	----	--	--/--/--

GENERAL NOTES:

PRODUCT DESCRIPTION AND RATINGS:

POWER SYSTEM DATA:

4160 VOLTS, 3 PHASE, 3 WIRE DELTA UNGROUNDED
60 KV BIL, 60 HERTZ FREQUENCY

BUS SYSTEM DATA:

1200 AMPERES, SILVER PLATED COPPER, EPOXY INSULATED
36 KA RMS SYMMETRICAL BUS BRACING
EPOXY STAND–OFF INSULATORS
GLASS POLYESTER BETWEEN SECTION BUS BARRIER
BREAKER BUSHINGS IN CELL ARE POLYESTER
BARE COPPER GROUND BUS

ENCLOSURE DATA:

NEMA 1 INDOOR CONSTRUCTION
ANSI #61 FINISH, PROCEDURES: ZINC PHOSPHATE WITH NON–CHROMIC SEAL,
RUST INHIBITED TREATMENT WITH BAKED POLYESTER COATING.
REAR ACCESS BY HINGED DOOR WITH PADLOCK PROVISIONS
WHITE INTERIOR LOW VOLTAGE PANELS, LOCKING T–HANDLES, PLASTIC WHITE MIMIC BUS SECURED WITH PLATED SCREWS

HANDLING:

SWITCHGEAR SECTIONS ARE FURNISHED WITH FOUR LIFTING
LUGS AND ARE SHIPPED ON SKIDS. ROLLERS SHALL ONLY BE
USED WITH SKID IN PLACE.

SWITCHGEAR SHIPPING WEIGHT WITH BREAKERS INSTALLED:

SHIPPING SPLIT 1 WEIGHT: 3120 LBS 1418 KG
SHIPPING SPLIT 2 WEIGHT: 3120 LBS 1418 KG
SHIPPING SPLIT 3 WEIGHT: 3120 LBS 1418 KG
SHIPPING SPLIT 4 WEIGHT: 2850 LBS 1295 KG
SHIPPING SPLIT 5 WEIGHT: 3120 LBS 1418 KG

BREAKER WEIGHT:

1200A, 380 LBS 173 KG
2000A, 430 LBS 196KG
3000A, 700 LBS 318KG

CODE STANDARDS:

ANSI, NEMA, UL

PRODUCT INFORMATION:

WIRING:

CONTROL WIRING IS # 14 AWG, TYPE SIS
CURRENT CIRCUIT WIRING IS # 12 AWG, TYPE SIS

WIRE LABELING:

WIRES SHALL BE LABELED WITH DESTINATION MARKING. (POINT TO POINT)

TERMINATIONS:

UNINSULATED RING TYPE LUGS SHALL BE USED (WHERE APPLICABLE) ON ALL LOW VOLTAGE SCREW/STUD TERMINALS.
TERMINAL BLOCKS ARE SQUARE D COMPRESSION SOLDERLESS BOX LUGS (TYPE GR6).

BREAKER SPECIFICATION:

BREAKER TYPE IS SERIES 5 – VACUUM
BREAKER KV/KA/(MVA): 4.76/36/(250)
CLOSE CONTROL POWER IS 125VDC BY SQUARE D
TRIP CONTROL POWER IS 125VDC BY SQUARE D
MOC PROVISIONS

RELAY REQUIREMENTS:

RELAYS REQUIREMENTS PER QUOTE

OPTIONS/ACCESSORIES:

GENERAL OPTIONS:

AUXILIARY CONTROL POWER 120VAC BY CUSTOMER

LIST OF MISC. ACCESSORIES:

SHORTING TERMINAL BLOCKS FOR ALL CT CIRCUITS
STRIP HEATERS WITH THERMOSTAT
BREAKER LIFT TRUCK
BREAKER TEST CABINET

LIST OF MISC. STRUCTURE OPTIONS:

SPECIAL FEATURES–(OVERAL DIMENSIONS ARE SUBJECT TO CHANGE.)

IF SPECIAL FEATURES ARE INCLUDED IN THIS BILL OF MATERIAL, THEY WILL NOT APPEAR ON THE FRONT– ELEV OR ONE– LINE DRAWING AND MAY ALTER THE FINAL LAYOUT AND DIMENSIONS.

GENERAL RECORD

1 – POWERFLOW NAMEPLATE TO BE MOUNTED BY CUSTOMER.

JOB NAME:	VA COCHRAN – 5 KV ROOM A20	EQUIPMENT DESIGNATION:	**INDOOR MCLD**
JOB LOCATION:	ST LOUIS MO	EQUIPMENT TYPE:	MASTERCLAD SWITCHGEAR
DRAWN BY:	C.COOPER	DRAWING TYPE:	GENERAL NOTES
ENGR:	C.COOPER		SQUARE D Schneider Electric
DATE:	JUN 3, 2004		
DRAWING STATUS:	RECORD	DWG#	**F18619646–002–03** PG 1 OF 1 REV A