



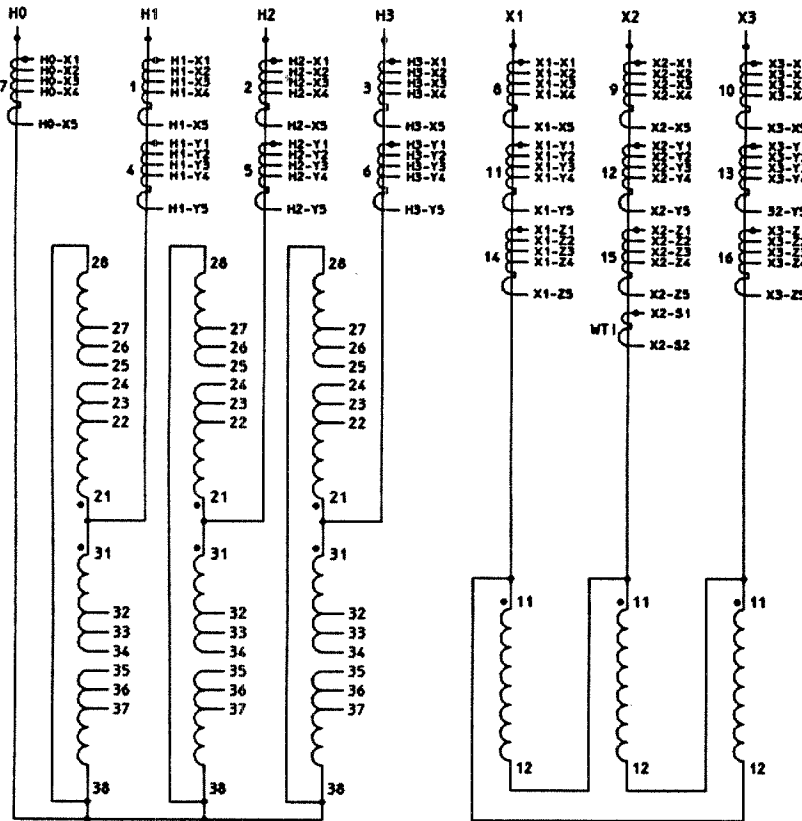
GENERATOR STEP-UP

45/60/75 MVA - 55°C - ONAN/ONAF/ONAF
 50.4/67.2/84.0 MVA - 65°C - ONAN/ONAF/ONAF
 3 PHASE - 60 HZ
 115.00 GRD Y / 66.395 HV - 14.825 DELTA LV

SERIAL NO.: 857101

IMPEDANCE AT 45 MVA 55°C:
 HV - LV: % AT TAP POSITION 3

INSTRUCTION MANUAL : XCG954400-8XA



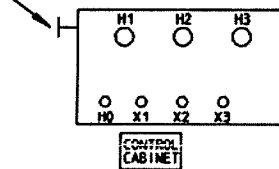
WINDING FULL WAVE IMPULSE LEVEL:
 H1, H2, H3 - 550 KV H0 - 150 KV
 X1, X2, X3 - 150 KV

BUSHING FULL WAVE IMPULSE LEVEL:
 H1, H2, H3 - 550 KV H0 - 150 KV
 X1, X2, X3 - 150 KV

CURRENT TRANSFORMERS			
CT'S	CONNECT	RATIO	ACCURACY
1, 2, 3 4, 5, 6	1 - 5	1200:5	C800 AT 1200:5 RF=2.0
	2 - 5	1000:5	
	3 - 5	900:5	
	4 - 5	800:5	
	5 - 5	600:5	
	6 - 5	500:5	
7	1 - 4	400:5	C800 AT 600:5 RF=2.0
	2 - 4	300:5	
	3 - 4	250:5	
	4 - 4	200:5	
	1 - 3	150:5	
	2 - 3	100:5	
8, 9, 10 11, 12, 13 14, 15, 16	1 - 5	6000:5	C800 AT 6000:5 RF=2.0
	2 - 5	5000:5	
	3 - 5	4500:5	
	4 - 5	4000:5	
	5 - 5	3000:5	
	6 - 5	2500:5	
WT1	1 - 2	3280:5	WT1 0.6 B 1.0
	1 - 2	3280:5	
	1 - 2	3280:5	
	1 - 2	3280:5	
	1 - 2	3280:5	
	1 - 2	3280:5	

WINDING	MVA	VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER			ON LEADS
				POS.	CONNECT	CONNECT	
HIGH VOLTAGE	84	120,750	401.6	1	24 - 25	34 - 35	H1 H2 H3
		117,875	411.4	2	24 - 26	34 - 36	
		115,000	421.7	3	23 - 26	33 - 36	
		112,125	432.5	4	23 - 27	33 - 37	
		109,250	443.9	5	22 - 27	32 - 37	
LOW VOLTAGE	84	14,825	3,271.3	---	---	---	X1 X2 X3

HV DE-ENERGIZED TAP CHANGER



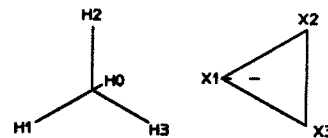
AT FACTORY FIRST FILLING TRANSFORMER FILLED WITH MINERAL OIL. COOLING LIQUID MUST BE MAINTAINED AT THE PROPER LEVEL. DO NOT OPERATE DE-ENERGIZED TAP CHANGER WITH TRANSFORMER ENERGIZED. TRANSFORMER TANK WITHSTAND 10 PSI POSITIVE AND 14.7 PSI NEGATIVE. BUILT TO ANSI C57 STANDARDS. OIL LEVEL AT 25°C IS 12.0 IN. BELOW THE COVER. OIL LEVEL CHANGES .75 IN. PER 10°C. AT FACTORY FIRST FILLING OF OIL THE PCB CONTENT WILL BE LESS THAN 1 PPM. WINDINGS - COPPER

SOUND LEVEL

___ dBA AT ONAN (THIS UNIT)
 77.0 dBA AT ONAN (NEMA)
 ___ dBA AT TOP RATING (THIS UNIT)
 80.0 dBA AT TOP RATING (NEMA)

WEIGHTS -
 CORE AND COILS _____ LBS.
 TANK AND FITTINGS _____ LBS.
 OIL IN TANK (_____ US GAL) _____ LBS.
 TOTAL _____ LBS.

COOLING PER STAGE
 FIRST STAGE: 44400 CFM
 SECOND STAGE: 44400 CFM



BUILT - 2005

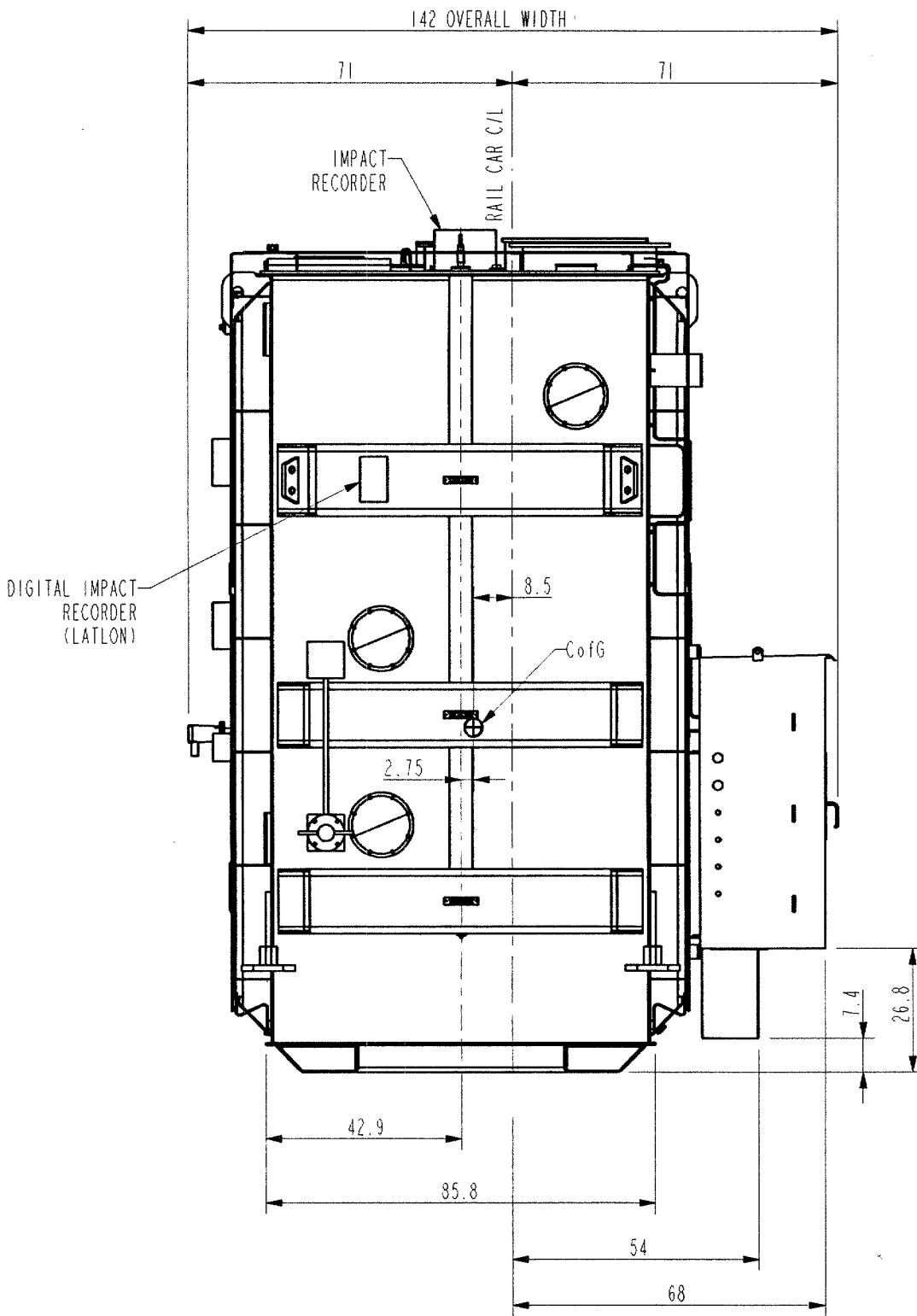
ABB Inc.
 MADE IN CANADA AT GUELPH, ONTARIO

XCG294200-8XA REV. 1

HOLE CENTERS 13.15 OVER PLATE

(4) HOLES 0.314 DIA.

ITEM	QTY	NAME OF ITEM
1	1	RATING NAMEPLATE



SHIPPING NOTE:

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- UNIT TO BE SHIPPED BY RAIL, DRY AIR FILLED
- OIL TO BE SHIPPED TO SITE BY TRUCK LATER

ESTIMATED SHIPPING WEIGHTS	MASS (kg)	MASS (lbs)
CORE AND COILS	43260 kg	95370 lbs
TANK AND FITTINGS	13172 kg	29040 lbs
BALLAST FOR SHIPPING	13600 kg	30000 lbs
TOTAL WEIGHT	70032 kg	154410 lbs

4	Add Digital Impact Recorder
3	Rev. dims. for RAIL CAR C/L
2	Add note for Temporary Ship. Cover. (XCG469270-BXA Qty. 3)
1	Rev. dims and weights
Rev. Ind.	Revision

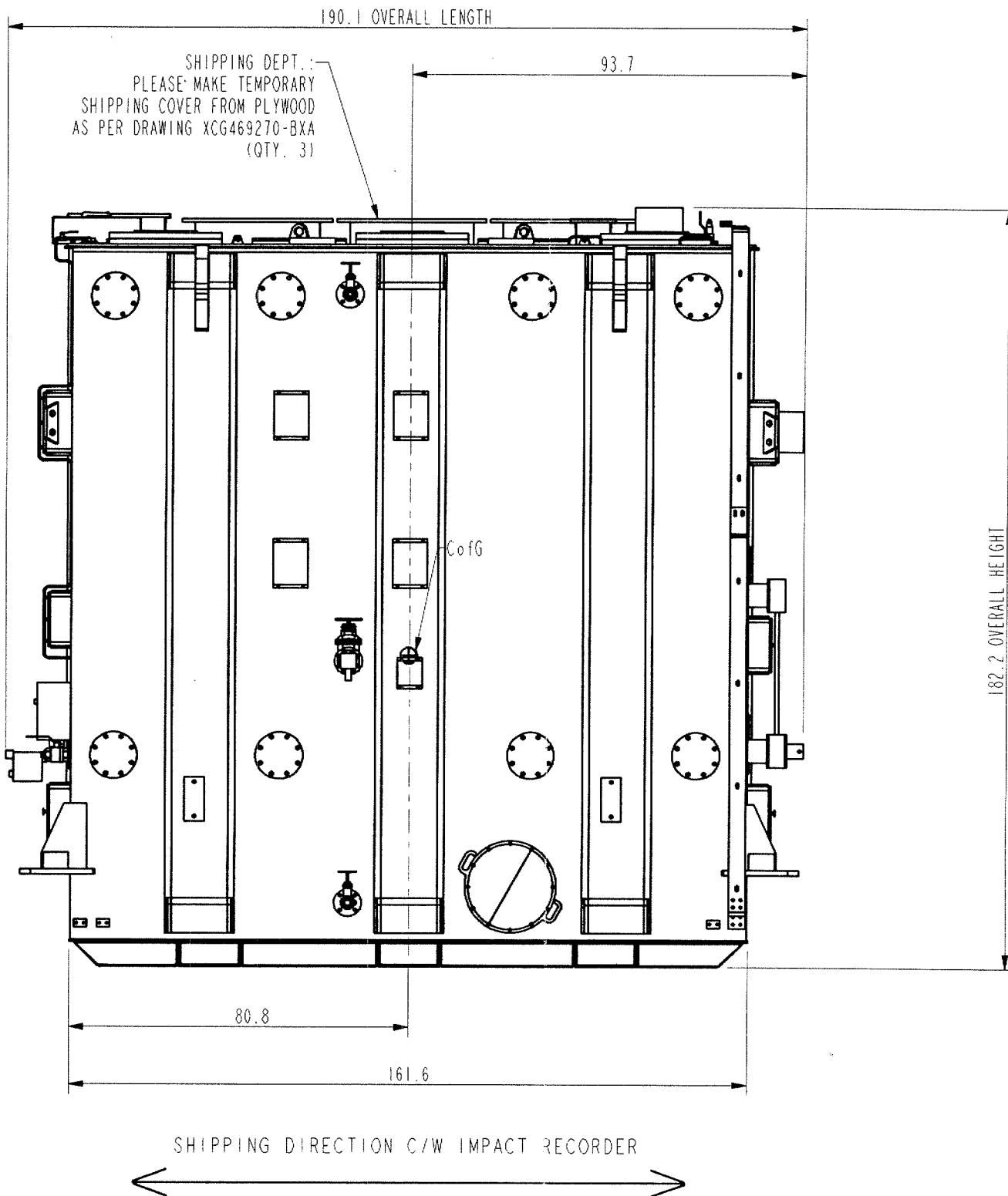
ABB
is strictly forbidden

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Released for Production; 15Mar2005

CUSTOMER: PROGRESS ENERGY
 SUB STATION NAME: BARTOW PLANT, ST. PETERSBURG, FLA.
 CUST. P.O. No. #00204620
 ABB SERIAL No. 857101

Based on	N/A	Reg. No.	N/A	Title	Scale 0.040
Prepared	C. ADAMS	Responsible department	CATRN-D	SHIPPING OUTLINE	
Approved		Take over department	N/A		Language

CA.	2005/03/14	Production engineering review
CA.	2005/01/25	