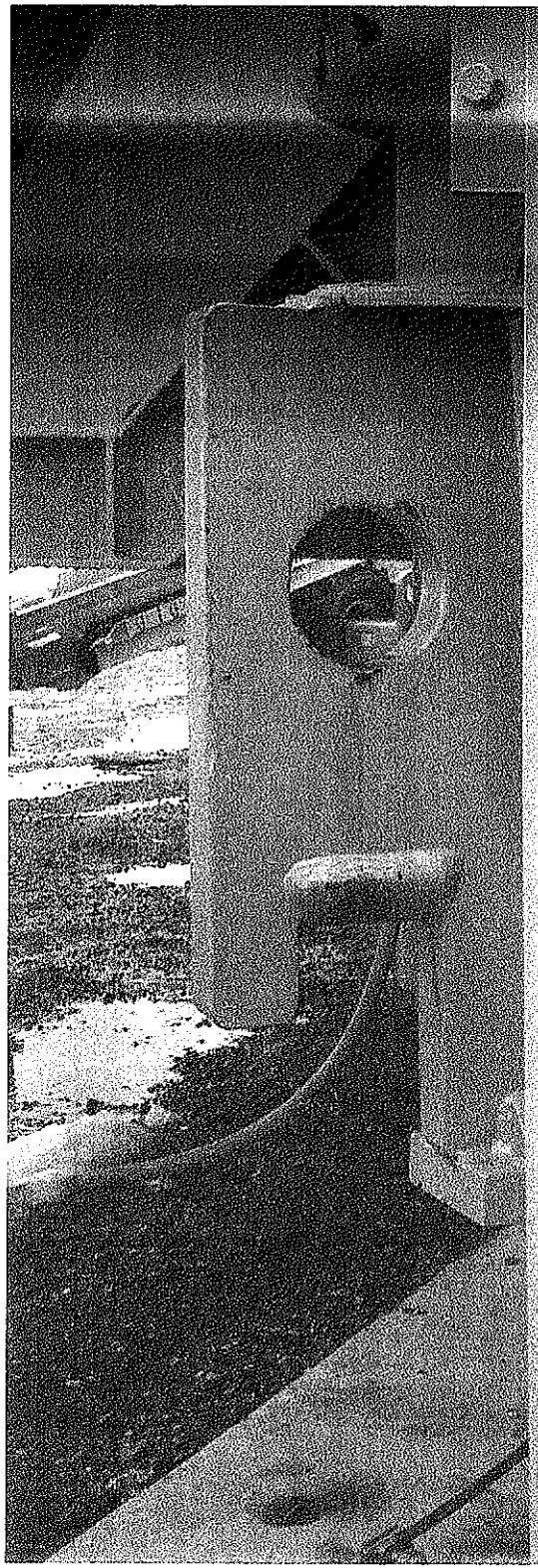
Exhibit "7"



HICO

VOLTAGE RATING	
H.V	345000 V
X.V	230000 V
Y.V	13800 V

THREE PHASE SHELL TYPE AUTO TRANSFORMER

RATED FREQUENCY	60Hz		
SOUND LEVEL	ONAN	ODAF	ODAF
	70 dB	73 dB	75 dB

BIL OF WINDING	
H.V	1050 kV
HoXo	150 kV
X.V	750 kV
Y.V	110 kV

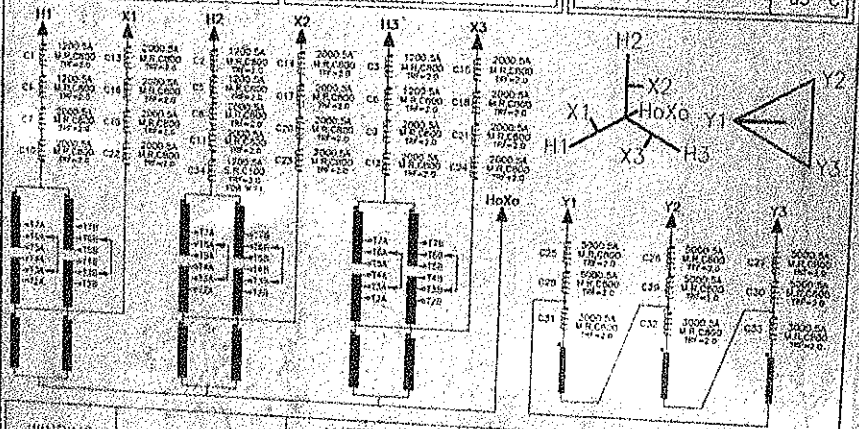
% IMPEDANCE(AT 336MVA)	
H – X	[illegible] %
H – Y	[illegible] %
X – Y	[illegible] %

WEIGHT		
	CORE & COIL	375,000 LBS
	TANK & FITTING	217,000 LBS
	OIL	161,000 LBS 21,350 GAL
	SHIPPING	501,000 LBS
	TOTAL	252,000 LBS

MVA RATING, 65°C @2000m			
	ONAN	ODAF	ODAF
H.V	336	448	560
X.V	336	448	560
Y.V	60	80	100

MATERIAL	
INSULATING OIL	MINERAL OIL (ASTM Type II)
CONDUCTOR	COPPER

TEMPERATURE RISE	
WINDING AVERAGE	65 °C
WINDING HOTTEST SPOT	80 °C
TOP OIL	65 °C



WINDING	VOLTS(V)	AMPERES(A)	DE-ENERGIZED TAP CHANGER	
		560 MVA	POSITION	CONNECTION
H.V	362000	893.1	1	T4-T5
	354000	913.3	2	T3-T5
	345000	937.1	3	T3-T6
	336000	962.3	4	T2-T6
	328000	985.7	5	T2-T7
X.V	230000	1405.7	DETC TYPE : HS-3/2000A (HICO)	
Y.V	13800	4182.2(1003MVA)	A type of manufacturer for the DETC used	

FOR DE-ENERGIZED OPERATION ONLY *

1 SUITABLE FOR STEP-UP/STEP-DOWN OPERATION AND THE TAPS ON THE H.V IS CALCULATED BY VECTOR
2 MVA RATING @ 30/0K ALTITUDE 3 SAUER/OPERATING FACTOR 95%
4 THE TRANSFORMER TANK IS DESIGNED TO WITHSTAND COMPLETE VACUUM AND AN INTERNAL PRESSURE OF 10 POUND PER SQUARE INCH (CONSERVATOR RUBBER BAG CANNOT WITHSTAND FULL VACUUM)

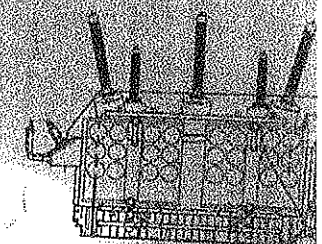
APPLIED STD : ANSI C57 SERIAL NO. TR01624901
TR. OIL NO. DOOSAN 10 DATE OF MFG.

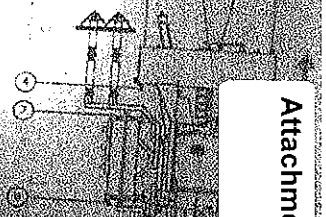
HICO HYOSUNG CORPORATION

VALV

POS. NO.	NO. IN OUTLINE	DE
1	12	VALVE FOR BUCHHOLZ
2	13	VACUUM VALVE FOR MA
3	14	EQULIZING VALVE FOR M
4	15	DRAIN VALVE FOR CONS
5	16	OIL FILL VALVE FOR CO
6	17	AIR VENT PLUG FOR CO
7	25	AIR RELEASE PLUG FOR
8	26	VALVE FOR RADIATOR
9	27	DRAIN VALVE FOR MAIN R
10	31	VALVE FOR OIL PUMP
11	39	DRAIN VALVE WITH 3/8"
12	40	UPPER FILTER VALVE
13	56	SAMPLING VALVE FOR GA
14	57	BYPASS VALVE FOR PUMP
15	58	VALVE FOR SPARE RADIATO

※ CAUTION : OPERATORS MUST REA
ANY VACUUM TREATMEN





Attachment D