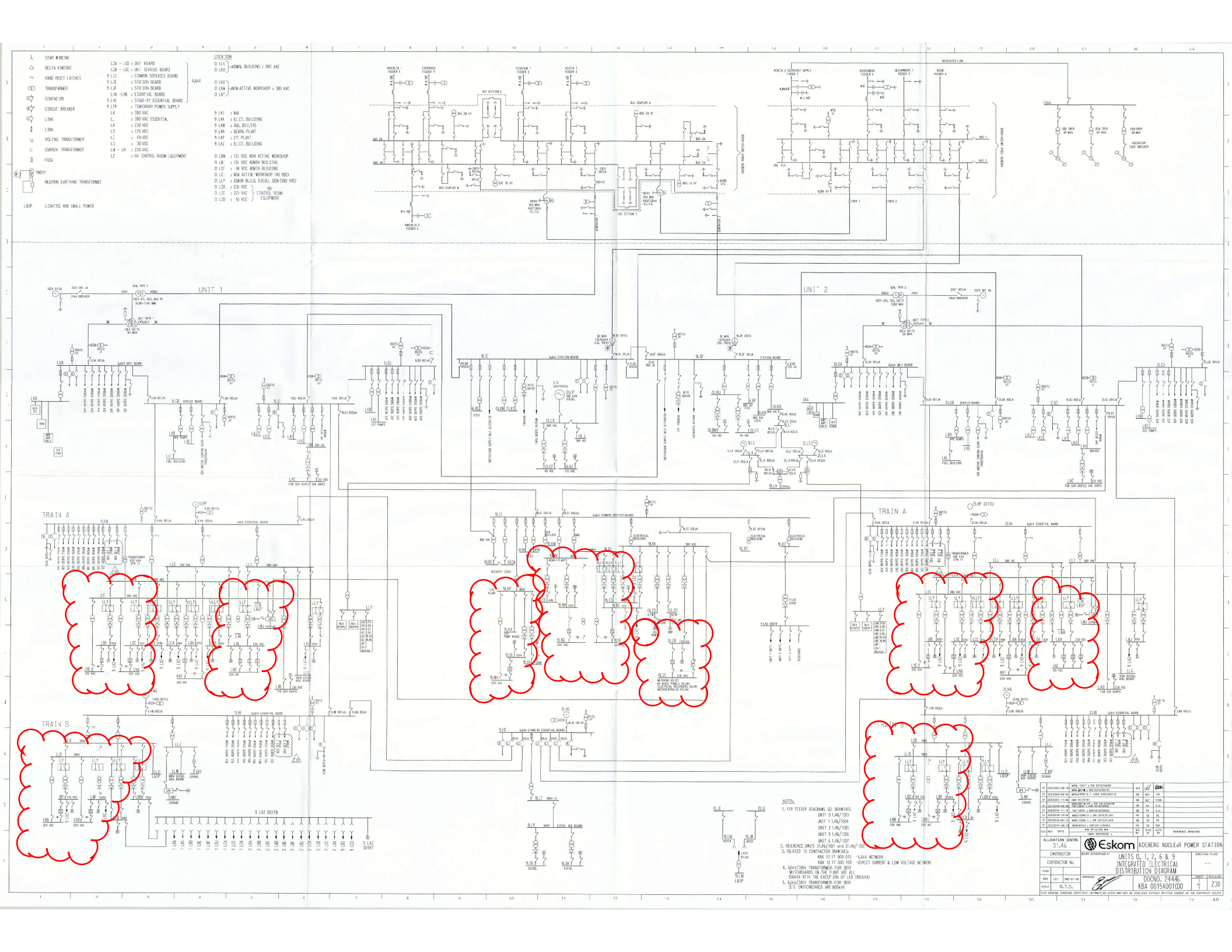
STAR WINDING
DELTA WINDING
HAND RESET LATCHES
TRANSFORMER
CONTACTOR
CIRCUIT BREAKER
LINK
LINK
VOLTAGE TRANSFORMER
CURRENT TRANSFORMER
FUSE
YND11
NEUTRAL EARTHING TRANSFORMER
L&SP LIGHTING AND SMALL POWER
LOCATION
LCA - LCD : UNIT BOARD
LCB - LCC : UNIT SERVICE BOARD
9 LCI : COMMON SERVICES BOARD
9 LCE : STATION BOARD
9 LCF : STATION BOARD
LHA -LHB : ESSENTIAL BOARD
9 LHC : STAND-BY ESSENTIAL BOARD
9 LFP : TEMPORARY POWER SUPPLY
LK : 380 VAC
L. : 380 VAC ESSENTIAL
LA : 230 VDC
LB : 125 VDC
LC : 48 VDC
LD : 30 VDC
LM - LN : 220 VAC
LZ : HV CONTROL ROOM EQUIPMENT
6,6kV
LKA : ADMIN. BUILDING : 380 VAC
LKB : NON ACTIVE WORKSHOP : 380 VAC
9 LKI : NAI
9 LKH : ELECT. BUILDING
9 LKM : AUX. BOILERS
9 LKN : DEMIN. PLANT
9 LKP : CT. PLANT
9 LKQ : ELECT. BUILDING
LBM : 12V VDC NON ACTIVE WORKSHOP
LBI : 12V VDC ADMIN BUILDING
LCF : 48 VDC ADMIN BUILDING
LCI : NON ACTIVE WORKSHOP (48 VDC)
LLP : ADMIN BUILD. DIESEL GEN (380 VAC)
LZB : 230 VDC
LZC : 220 VAC
LZD : 50 VDC
HV CONTROL ROOM EQUIPMENT
UNIT 1
UNIT 2
TRAIN A
TRAIN B
9 LKZ 001TB
NOTES:
1. FOR FEEDER DIAGRAMS SEE DRAWINGS
UNIT 0 1.46/1003
UNIT 1 1.46/1004
UNIT 2 1.46/1005
UNIT 9 1.46/1006
UNIT 6 1.46/1007
2. REFERENCE DWGS 31.46/1001 and 31.46/1002
3. RELATED TO CONTRACTOR DRAWINGS
KBA 12 17 000 012 -6,6kV NETWORK
KBA 12 17 000 109 -DIRECT CURRENT & LOW VOLTAGE NETWORK
4. 6,6kV/380V TRANSFORMER FOR 380V SWITCHBOARDS ON THE PLANT ARE ALL 6,6kVA WITH THE EXCEPTION OF LKB (800kVA)
5. 6,6kV/380V TRANSFORMER FOR 380V SITE SWITCHBOARDS ARE 800kVA
ALLOCATION CENTRE 31.46
Eskom
KOEBERG NUCLEAR POWER STATION
CONTRACTOR
CONTRACTOR No
UNITS 0, 1, 2, 6 & 9
INTEGRATED ELECTRICAL DISTRIBUTION DIAGRAM
DOCNO. 24446
KBA 00154001000
SCALE N.T.S.
SHEET 1 OF 1
REVISION Z30
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