



( 2 )

( 2 )

( 2 )

10

EN. NO.

90916

90978

ELLIS

GAP

SLF

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE 3/5/99

S10324

GENERAL NOTES:

- 1. THIS SCHEMATIC SHOWS THE CIRCUITRY IN A TRUCK 24 VOLT ELECTRICAL SYSTEM. THE CIRCUIT IS ILLUSTRATED USING SYMBOLS EXPLAINED IN THE FOLLOWING NOTES. THIS DOCUMENT IS FOR TRACING CURRENT FLOW AND TROUBLE SHOOTING.
2. INDIVIDUAL NUMBERS ARE ASSIGNED TO EACH WIRE AND ARE SHOWN AS FOLLOWS:
3. ZONE NUMBERS ARE USED TO LOCATE CIRCUITS AND ARE SHOWN IN THE LEFT HAND MARGIN OF EACH SHEET. THE FIRST ONE OR TWO DIGITS OF THE ZONE NUMBER REFERS TO THE SHEET NUMBER, THE LAST TWO DIGITS ARE THE LINE NUMBERS OF THE CIRCUITS.
4. A CIRCUIT CONTINUATION IS SHOWN BY A ZONE NUMBER IN A HEXAGON SOME CIRCUITS WILL CONTINUE ON THE POWER AND CONTROL SCHEMATIC AND WILL FOLLOW NOTE #3.
5. CURRENT FLOW ON THIS SCHEMATIC IS FROM LEFT TO RIGHT
6. ALL DEVICES ARE SHOWN IN THEIR NORMAL OR DE-ENERGIZED POSITION
7. A COMMON CHASSIS GROUND SYSTEM IS USED. ALL GROUND WIRES BEGIN WITH 'X' AND ARE CONNECTED TO A SPECIFIC GROUND POINT OR A 'NEAREST' GROUND POINT. 'NEAREST' DEFINES THE CLOSEST MOST DEPENDABLE CHASSIS GROUND POINT TO THE COMPONENT.
8. TERMINAL BOARD AND GROUND POINT LOCATIONS ARE AS FOLLOWS:

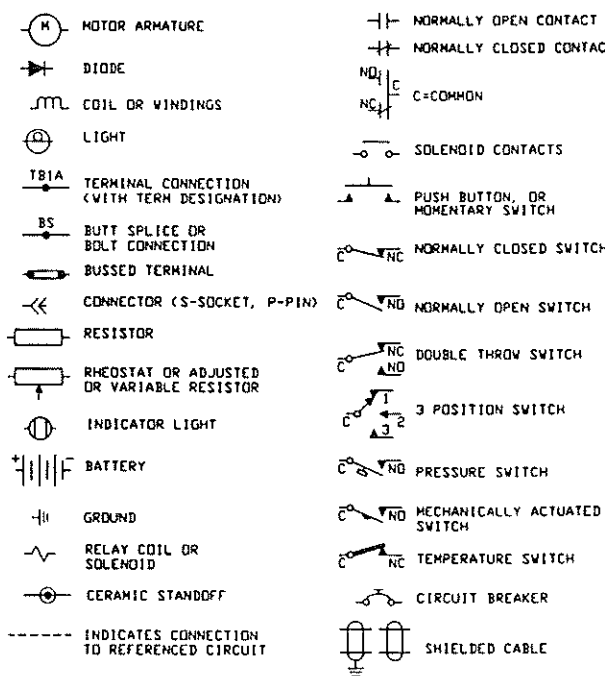
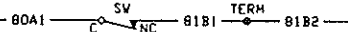


Table with columns: ITEM, DESCRIPTION, SCHEMATIC, LOCATION, TRUCK. Lists various components like 11H D, 24V ALT, AAI, AA2, etc., and their corresponding schematic and location codes.



INDEX

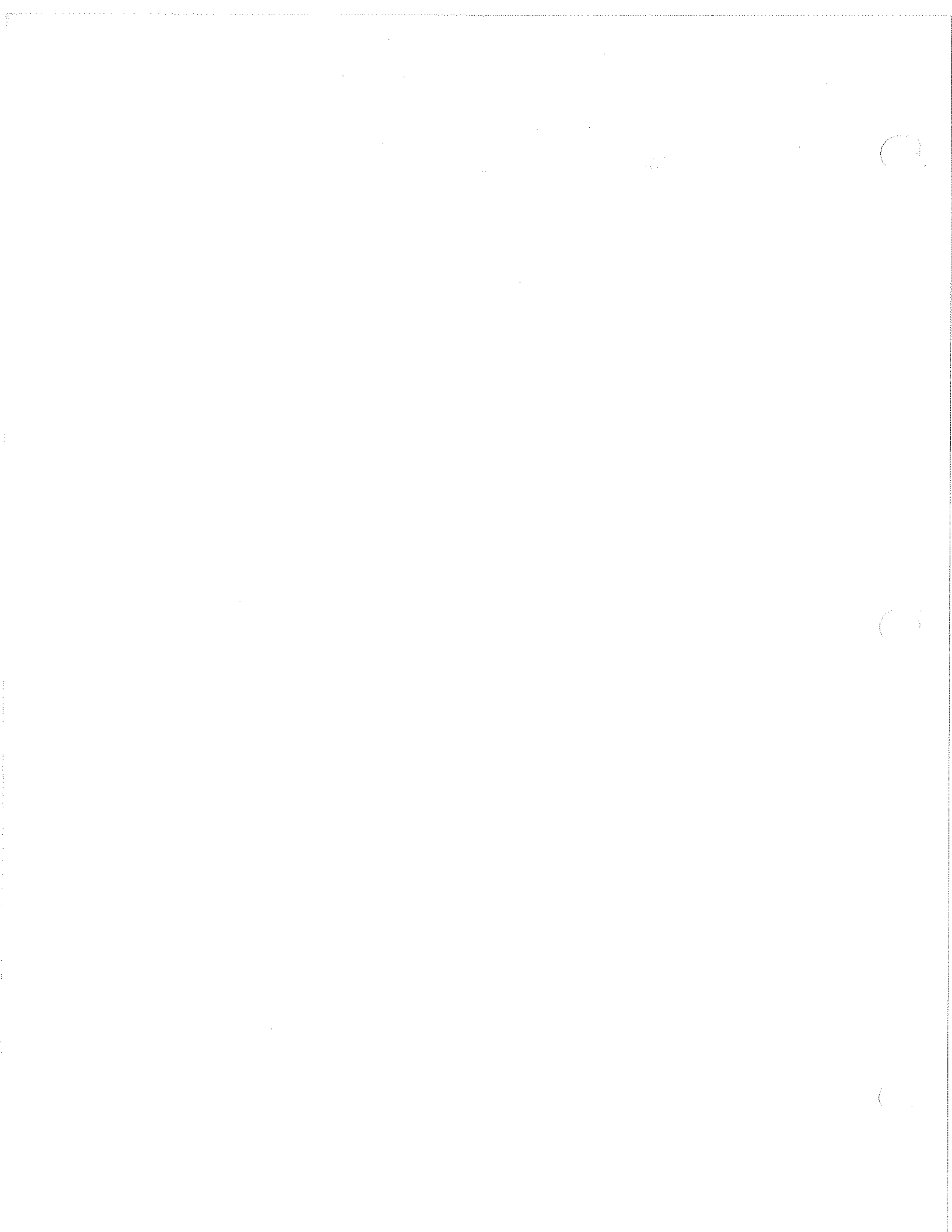
Table with columns: SHEET, CONTENTS. Lists sheets 1 through 9A and their respective contents like 'NOTES AND REFERENCE DATA', '24V DISTRIBUTION', etc.

SHEETS 2-7 COVER 'STANDARD 24V CIRCUITS'. SHEETS 8-9 COVER 'ENGINE UNIQUE CIRCUITS'.

S10324

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

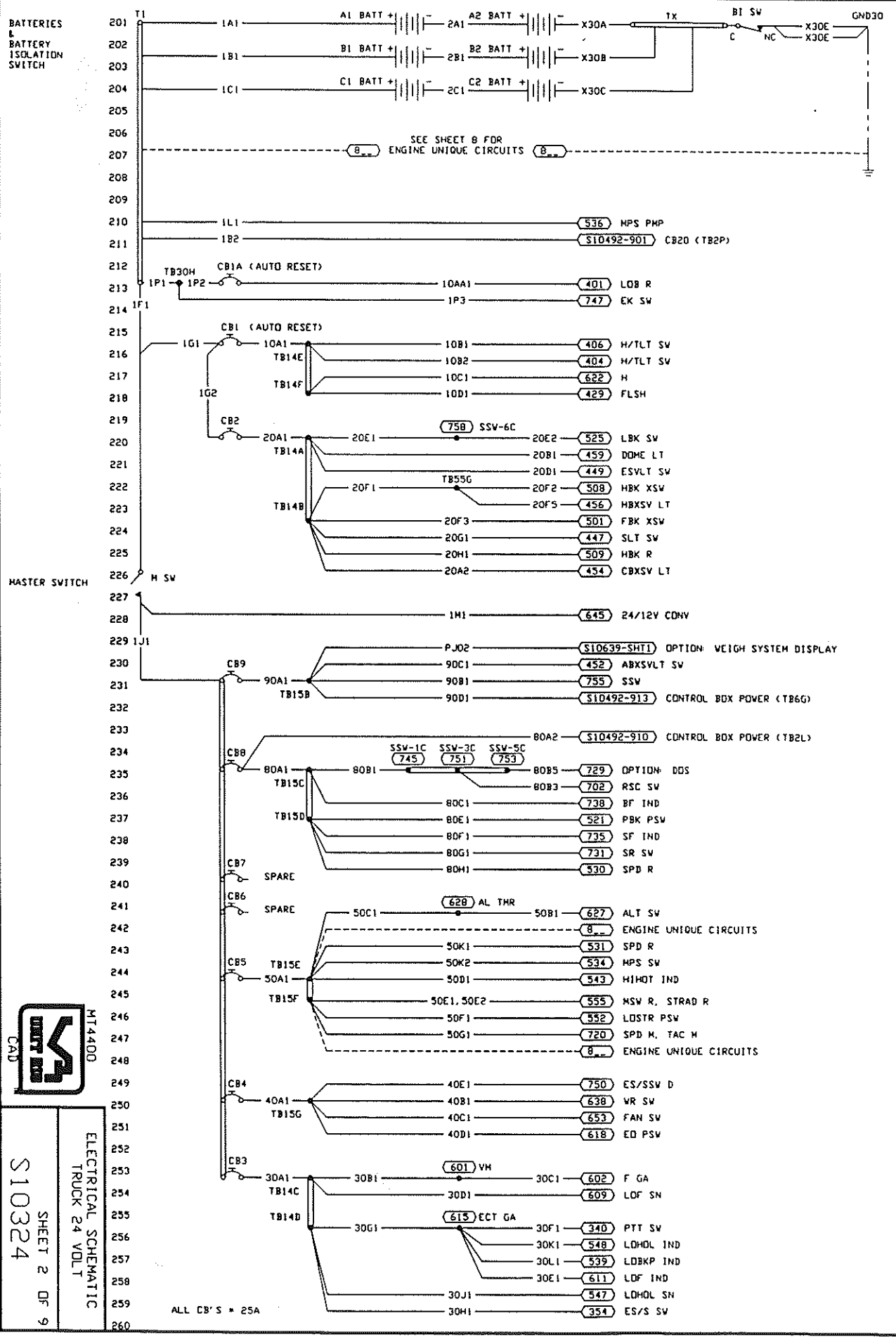
SHEET 1 OF 9



E.N. NO.  
90916  
90978

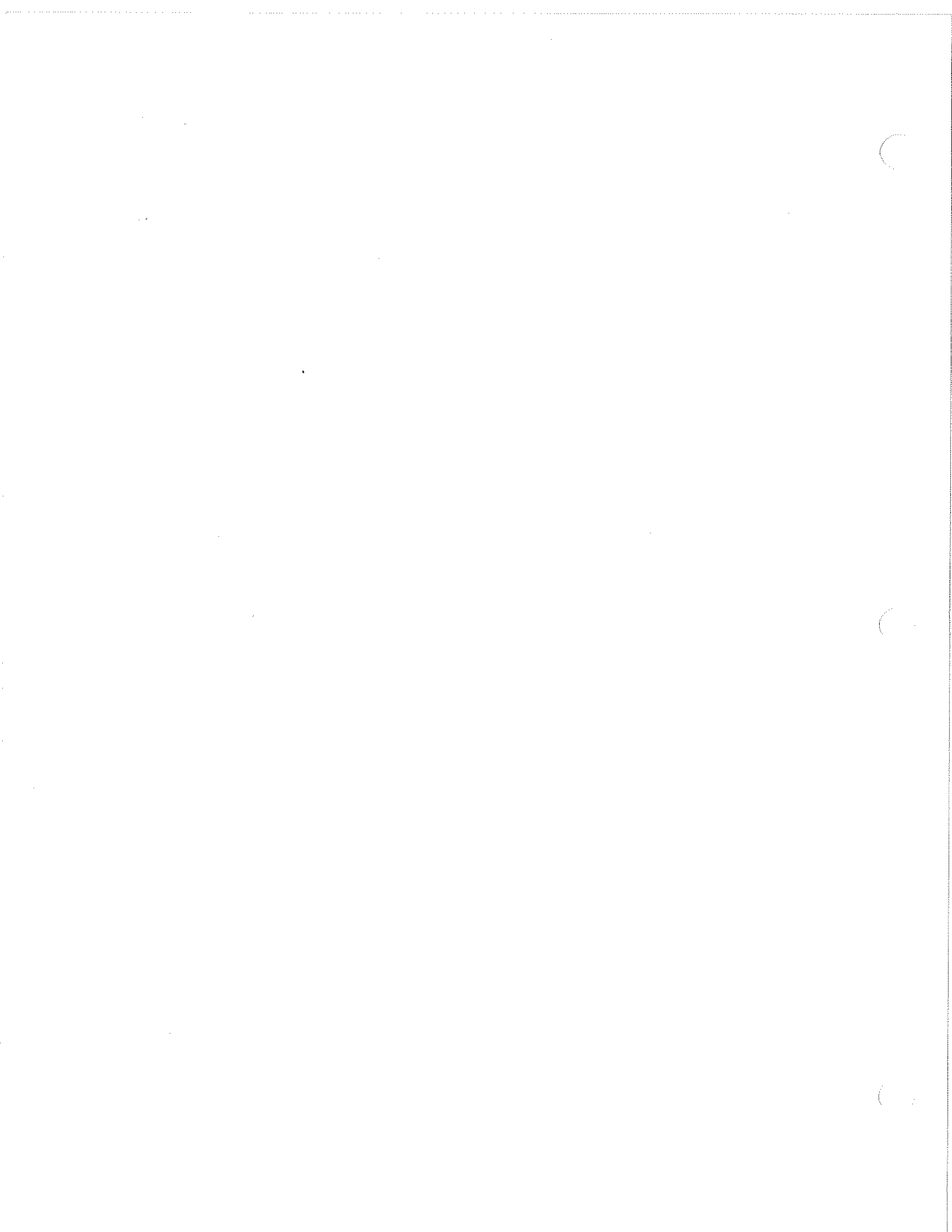
THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE

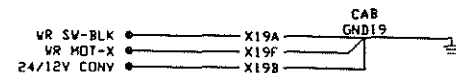
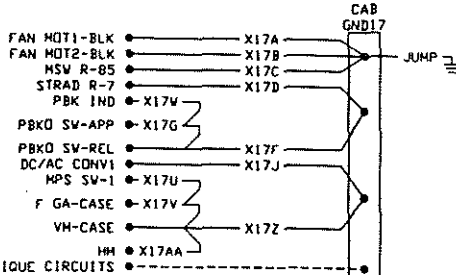
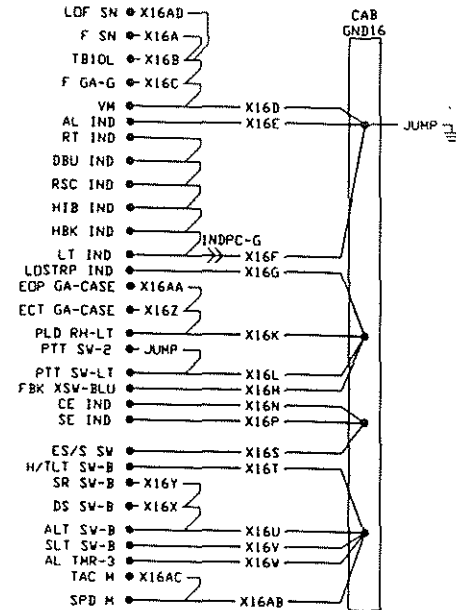
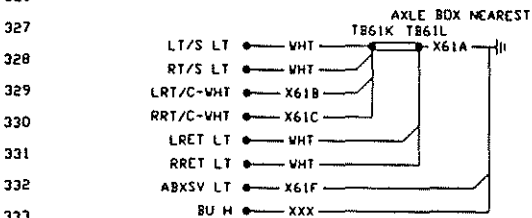
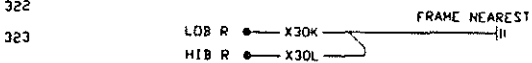
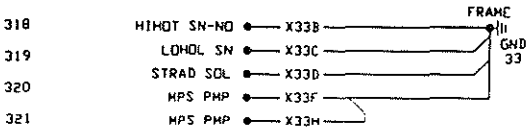
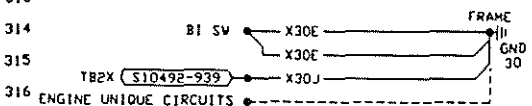
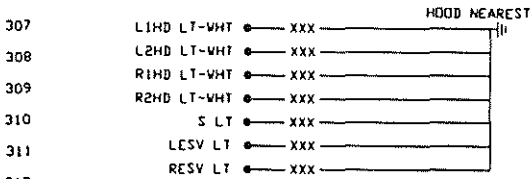
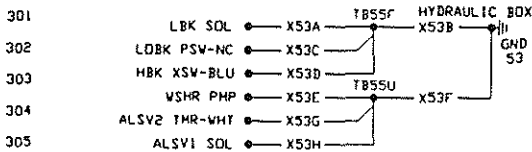
S10324



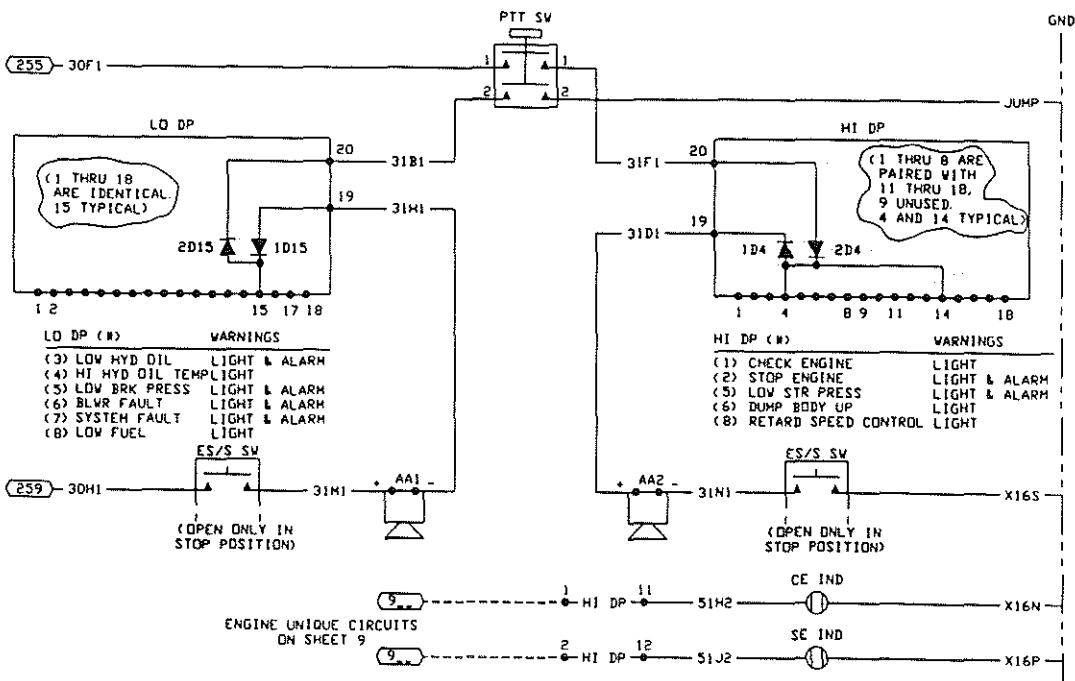
HT4400  
ELECTRICAL SCHEMATIC  
TRUCK 24 VOLT  
SHEET 2 OF 9  
S10324

ALL CB'S = 25A





PRESS TO TEST SWITCH

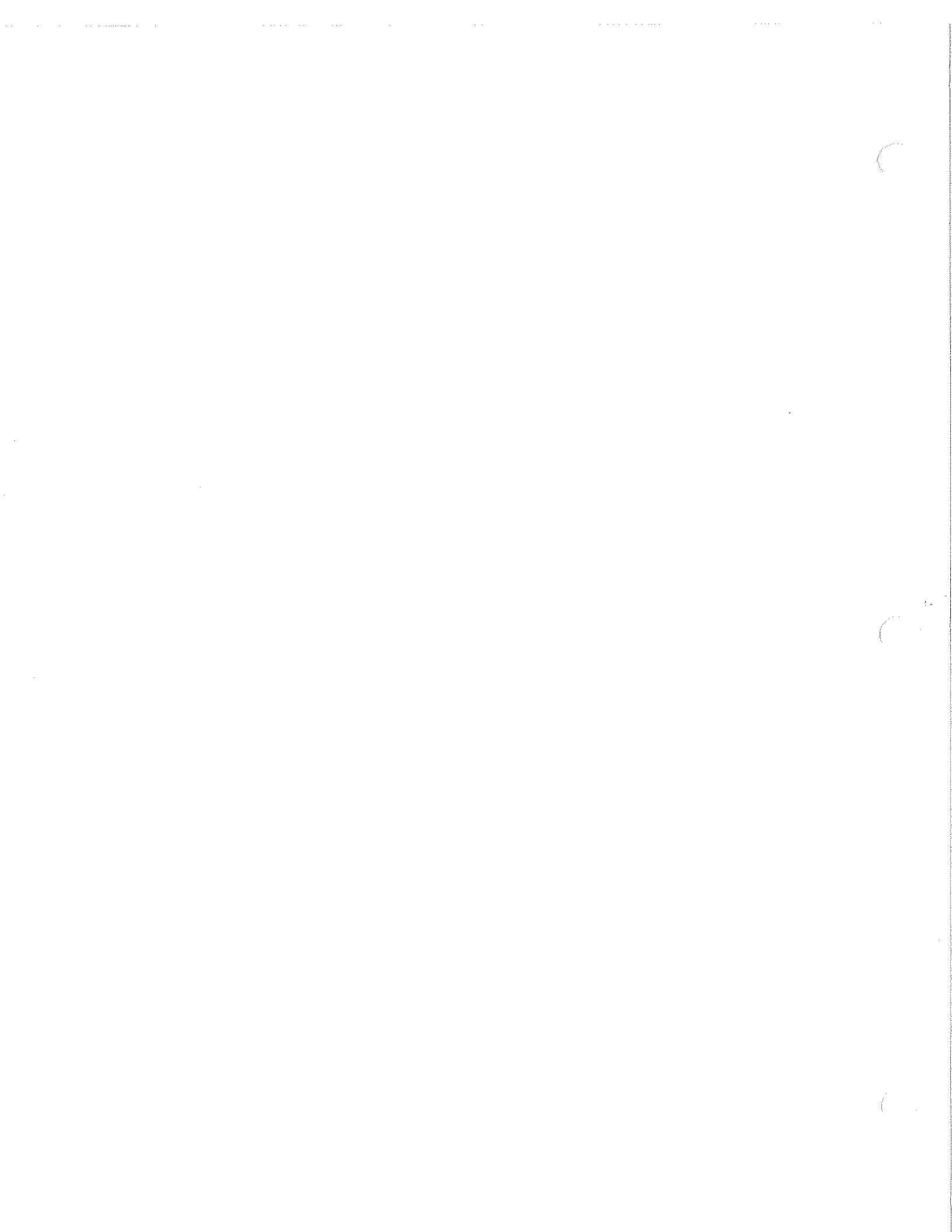


NT4400

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

S10324

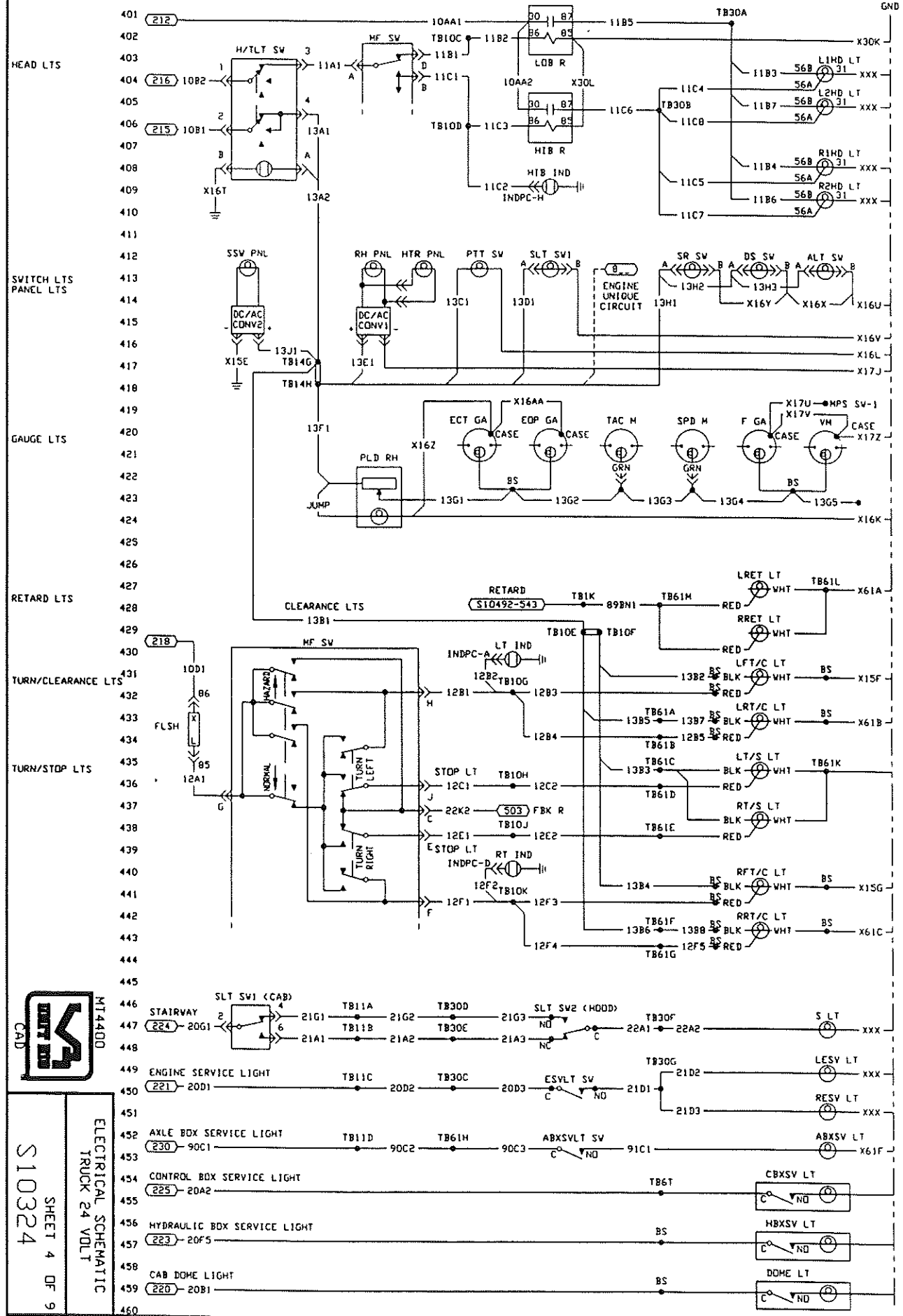
SHEET 3 OF 9



E.N. NO.  
90916  
90978

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE

S10324



MT4400  
CAD  
ELECTRICAL SCHEMATIC  
TRUCK 24 VOLT  
SHEET 4 OF 9  
S10324

(2)

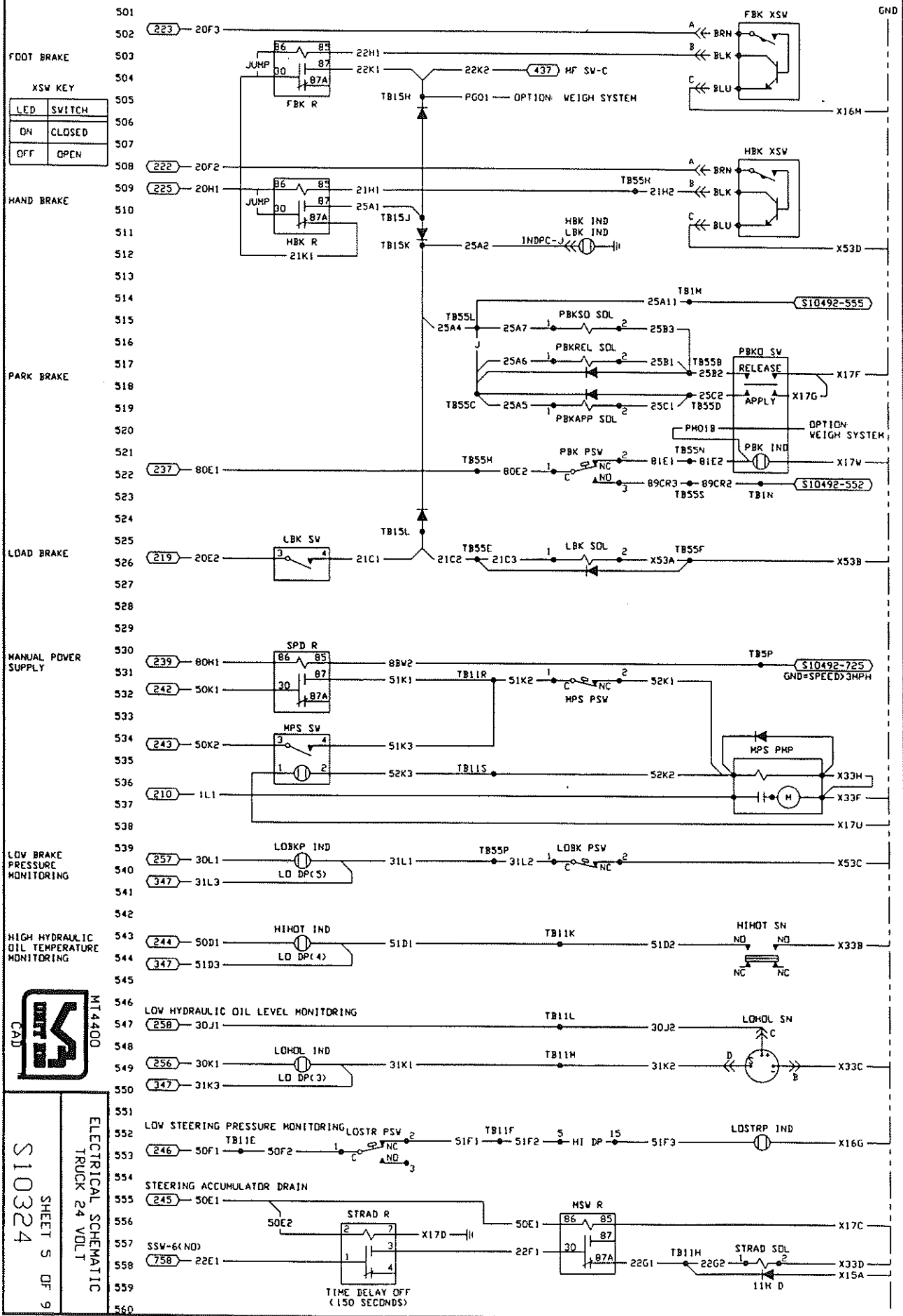
(2)

(2)

EN. NO. 90916  
90978

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE -----

S10324



MTI400

ELECTRICAL SCHEMATIC  
TRUCK 24 VOLTS

S10324

SHEET 5 OF 9

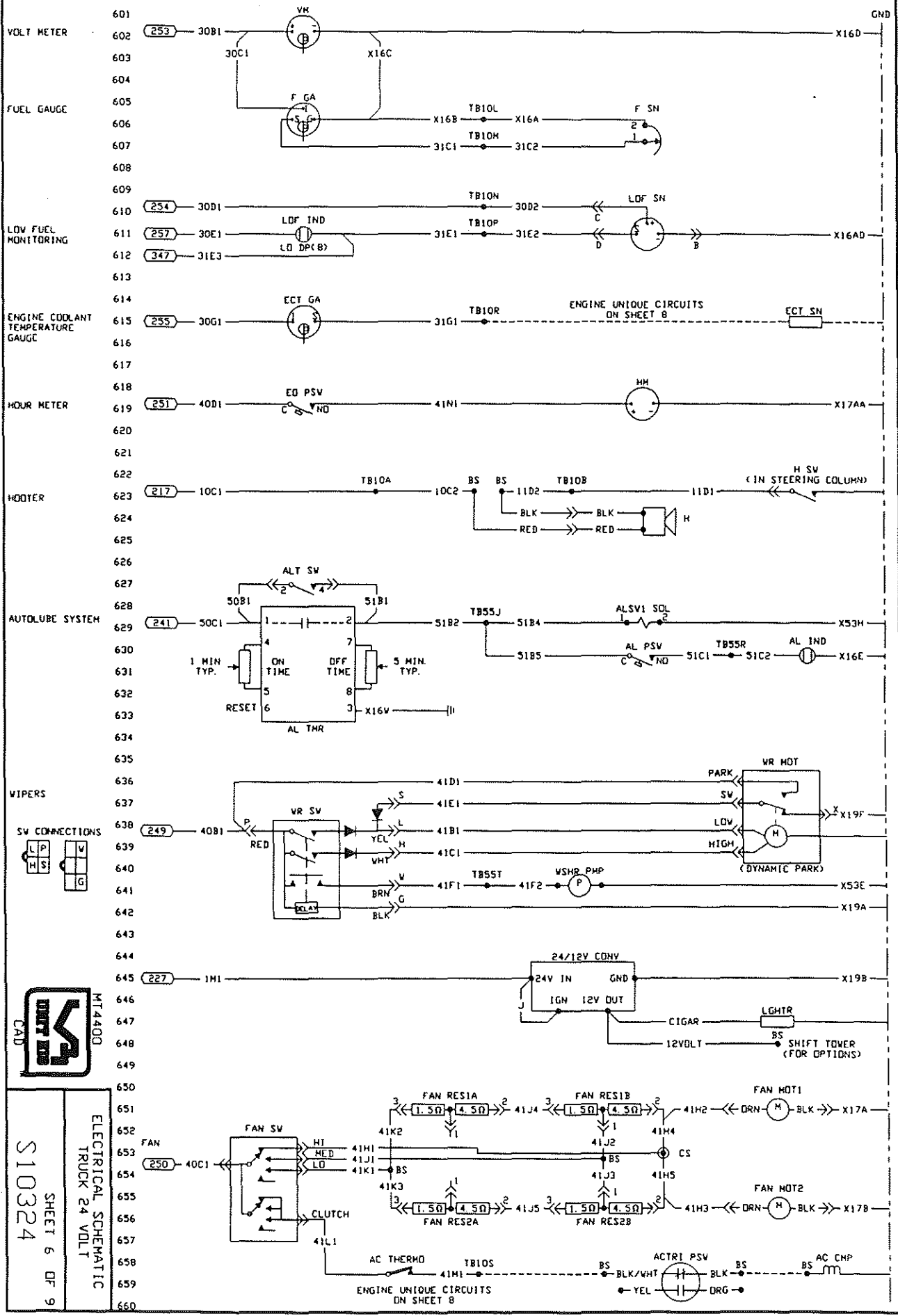
TIME DELAY OFF  
(150 SECONDS)



90978  
90916  
E.N. NO.

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE \_\_\_\_\_

S10324



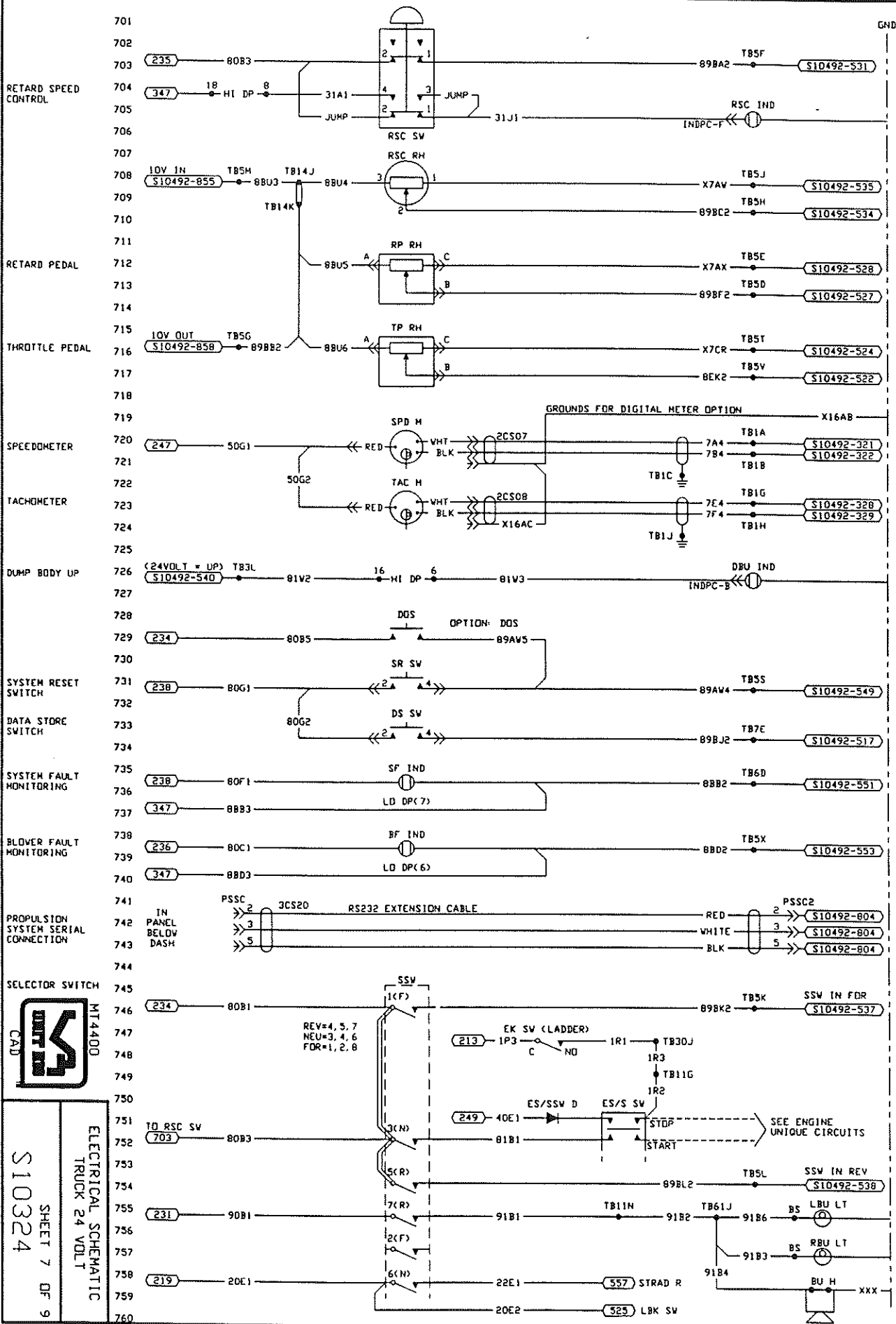
MT4400  
ELECTRICAL SCHEMATIC  
TRUCK 24 VOLT  
S10324  
SHEET 6 OF 9



EN. NO. 90916 90978

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE

S10324



MT4400  
UNIT RIG  
CAD

ELECTRICAL SCHEMATIC  
TRUCK 24 VOLT

SHEET 7 OF 9

S10324

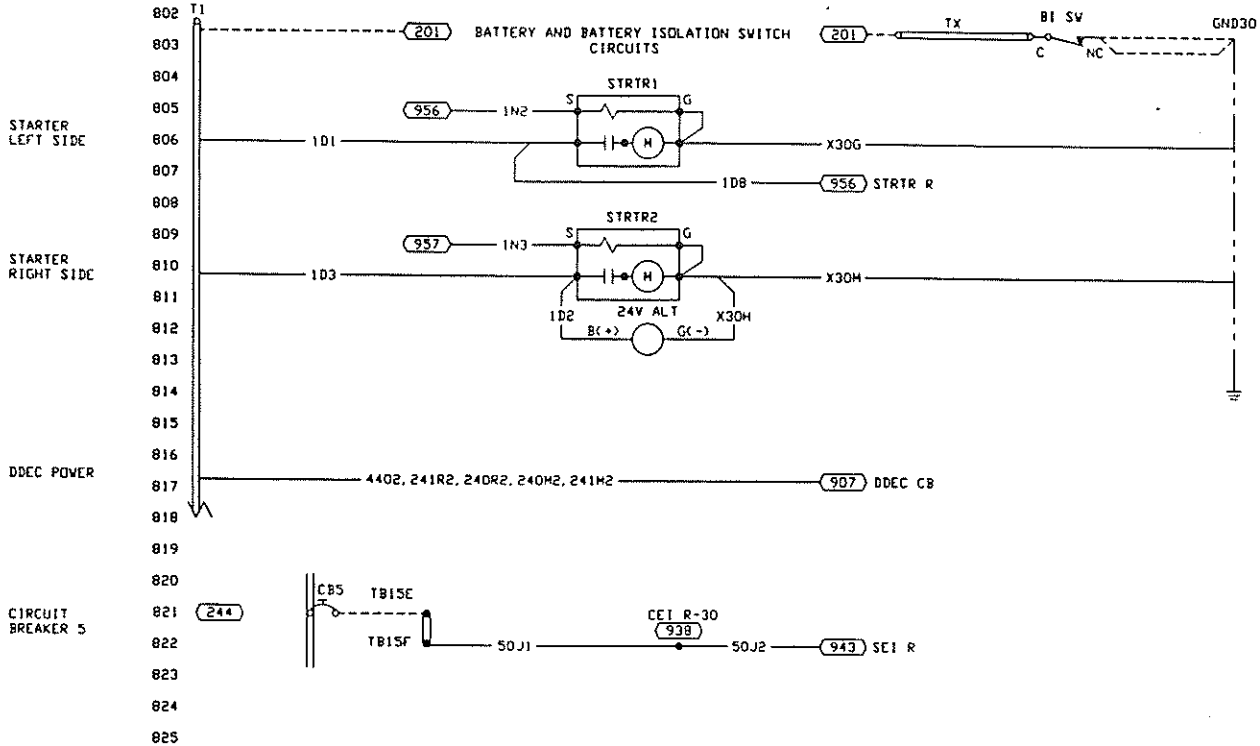


FN. NO.  
90916  
90978

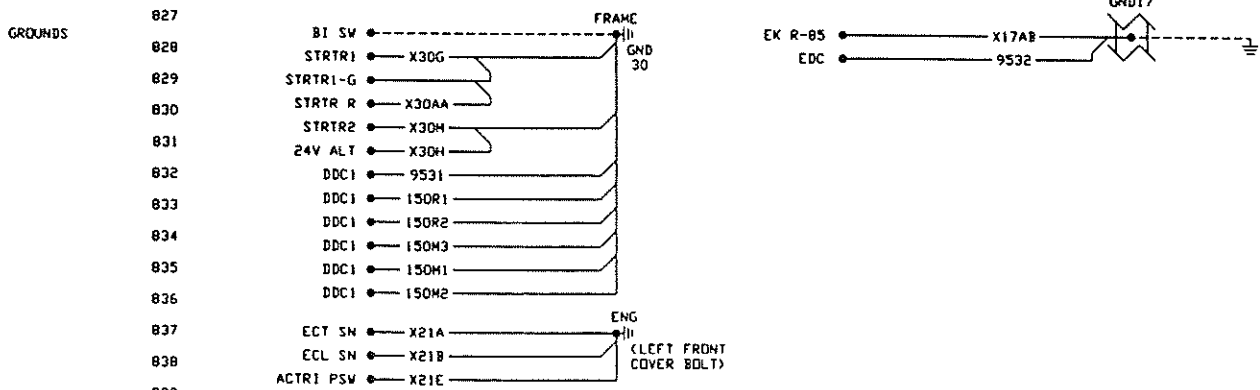
THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE

S10324

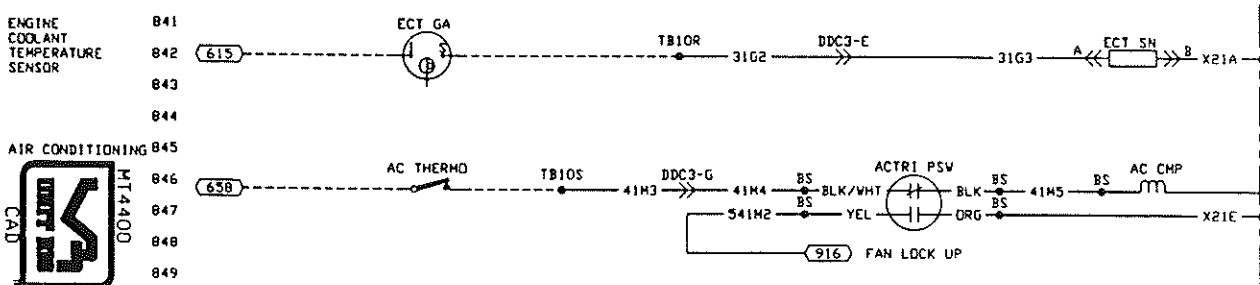
801 24V POWER DISTRIBUTION (SHEET 2 ADDITIONS)



826 GROUNDS (SHEET 3 ADDITIONS)

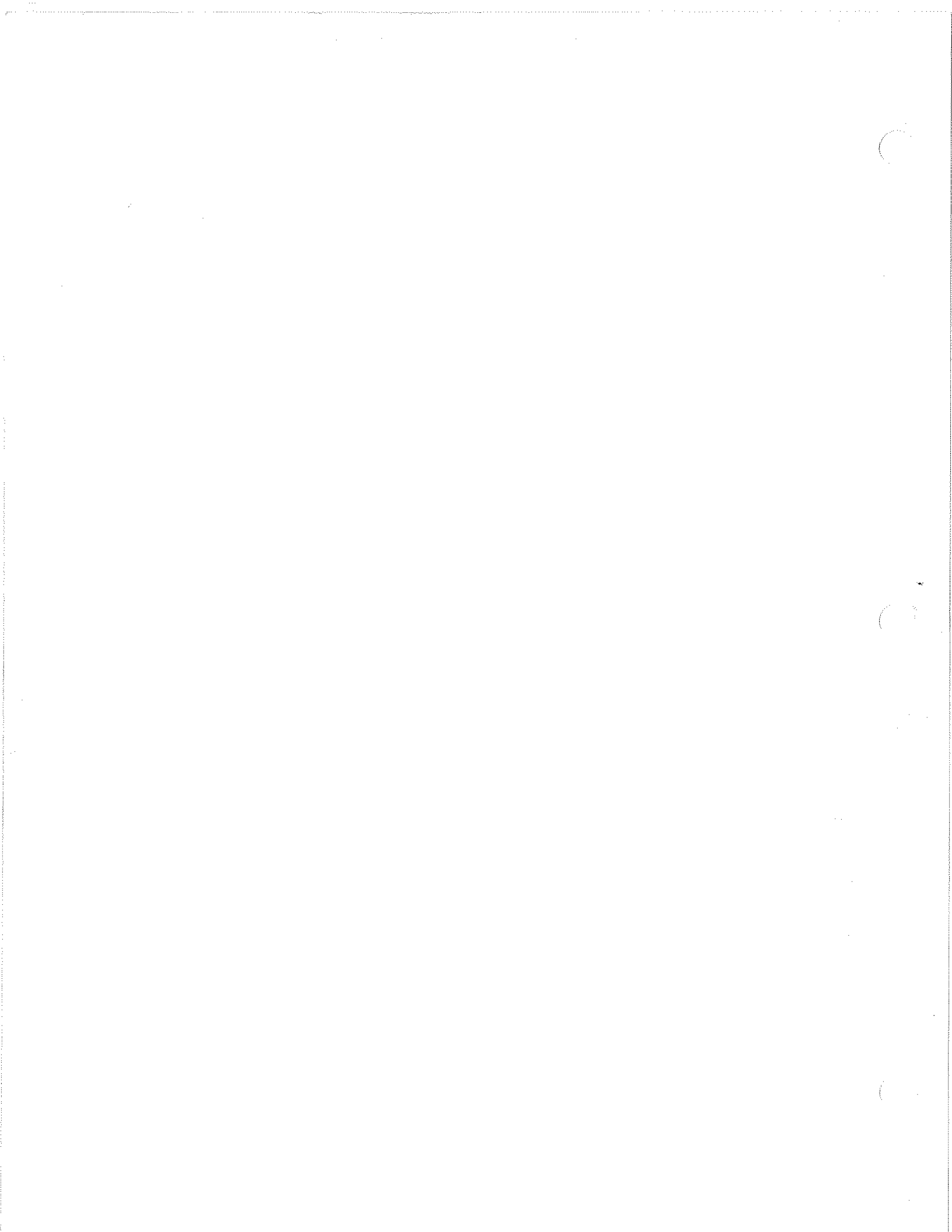


840 GAUGE (SHEET 6 ADDITIONS)



S10324 SHEET 8A OF 9

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

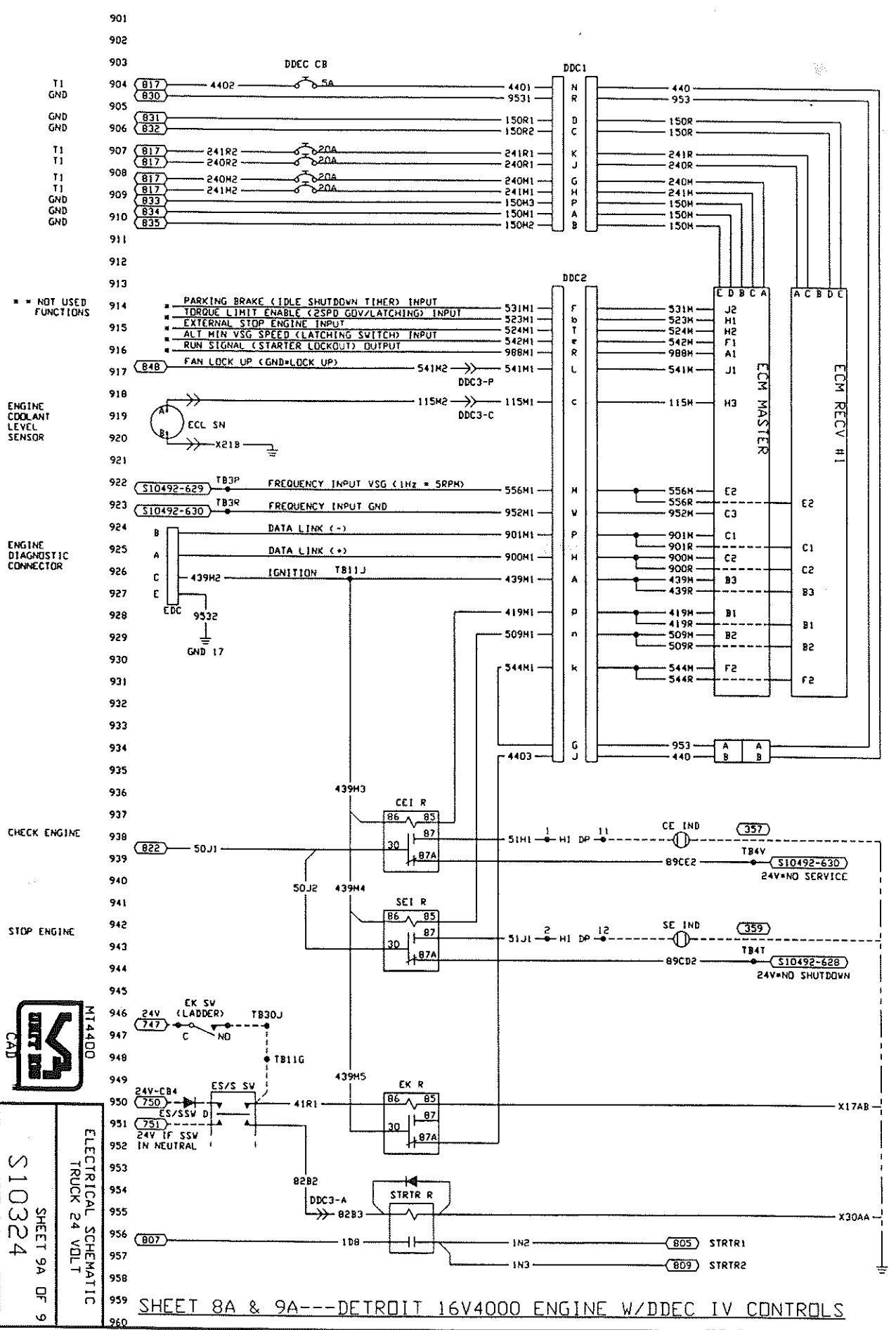


EN. NO. 90916

90978

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE

S10324



NOT USED FUNCTIONS

ENGINE COOLANT LEVEL SENSOR

ENGINE DIAGNOSTIC CONNECTOR

CHECK ENGINE

STOP ENGINE



S10324 SHEET 9A OF 9

ELECTRICAL SCHEMATIC TRUCK 24 VOLTS

SHEET 8A & 9A---DETROIT 16V4000 ENGINE W/DDEC IV CONTROLS



E.N. NO.  
91026

DESIGNED BY  
ELLS

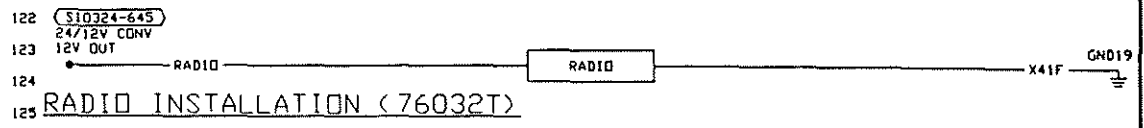
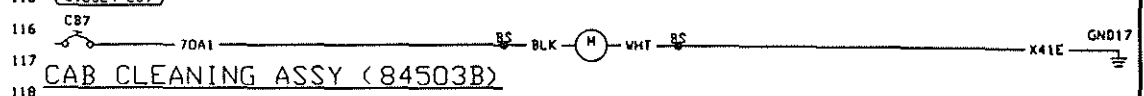
CHECKED BY  
MASSIE

DATE  
SLF

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE 5/19/99

S10324E

- 101 **NOTES:**
- 102 THIS DRAWING SHOWS 24V WIRING THAT IS UNIQUE TO A SPECIFIC CUSTOMER ORDER. THE CIRCUITS SHOWN BELOW TAKE PRECEDENCE OVER THE STANDARD CIRCUITS SHOWN ON:
- 103 S10324 ELECTRICAL SCHEMATIC, TRUCK 24V
- 103 S10492 ELECTRICAL SCHEMATIC, POWER/CONTROL
- 104 REFER TO S10324 AND S10492 SHEET 1 FOR GENERAL INFORMATION AND NOTES.
- 105 SOME FUNCTIONAL INFORMATION HAS BEEN ADDED TO AID TROUBLESHOOTING AS FOLLOWS:
- 106 B+ 24V SUPPLY FROM BATTERY
- 106 B+(MS) 24V SUPPLY FROM BATTERY THAT IS CONTROLLED BY THE MASTER SWITCH.
- 107 S10324-201 REFERS TO ANOTHER SCHEMATIC (IE S10324) AND LINE NUMBER (IE -201) WHERE THIS OPTION CONNECTS TO THE STANDARD CIRCUITS. THE LINE NUMBERS WERE ACCURATE WHEN THIS SCHEMATIC WAS RELEASED. FUTURE REVISIONS TO S10324 AND S10492 WILL NOT BE REFLECTED ON THIS SCHEMATIC.
- 108 (EXISTING) INDICATES A CONNECTION TO THE STANDARD CIRCUIT SHOWN ON S10324 OR S10492.
- 109 ----- INDICATES A CONNECTION TO THE STANDARD CIRCUIT SHOWN ON S10324 OR S10492.
- 110 24V# INDICATES THAT 24V EXISTS WHEN THE CONDITION IS TRUE.
- 111 GND# INDICATES THAT A GROUND EXISTS WHEN THE CONDITION IS TRUE.
- 112
- 113
- 114
- 115 S10324-239

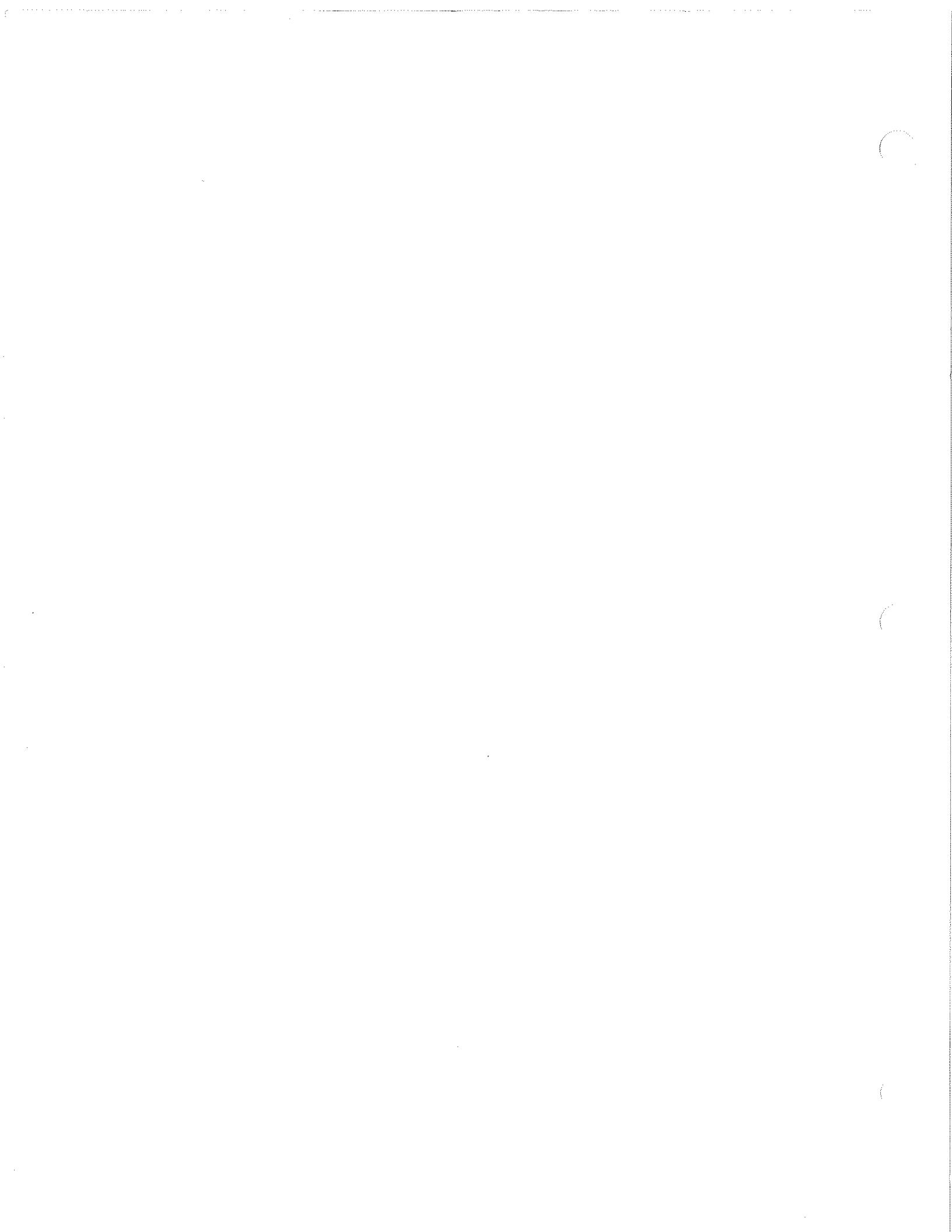


- 131 SEE SCHEMATIC S10639
- 132 WEIGH SYSTEM ASSEMBLY (83990X)
- 133
- 134
- 135
- 136
- 137
- 138
- 139
- 140
- 141
- 142
- 143
- 144
- 145
- 146
- 147
- 148
- 149
- 150
- 151
- 152
- 153
- 154
- 155
- 156
- 157
- 158
- 159
- 160

MT4400 S/N111-137  
BDRAX



ELECTRICAL SCHEMATIC  
TRUCK 24 VOLT - OPTIONS  
S10324E  
SHEET 1 OF 1



EN. NO. 86470  
88883  
90394

ELLIS  
GAP  
SLT

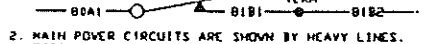
THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG. A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE 11-10-94

NO. S10492

GENERAL NOTES:  
THIS SCHEMATIC SHOWS THE CIRCUITRY IN A TRUCKS POWER AND CONTROL SYSTEM (OR PROPULSION SYSTEM). THIS DOCUMENT IS FOR TROUBLESHOOTING POWER AND CONTROL CIRCUITS. SOME CIRCUITS IN CAB ARE ONLY SHOWN FUNCTIONALLY. FOR CAB CIRCUITS (AND CIRCUITS NOT RELATED TO POWER AND CONTROL SYSTEM) USE THE TRUCK ELECTRICAL SCHEMATICS.

THE CIRCUITS ARE ILLUSTRATED USING SYMBOLS EXPLAINED IN THE FOLLOWING NOTES.

1. NUMBERS (IE B0A1 OR B1B1) ARE ASSIGNED TO EACH WIRE AND ARE SHOWN AS FOLLOWS.



2. MAIN POWER CIRCUITS ARE SHOWN BY HEAVY LINES. OPTIONAL CIRCUITS ARE SHOWN BY DASH LINES.

3. ZONE NUMBERS ARE USED TO LOCATE CIRCUITS AND ARE SHOWN IN THE LEFT HAND MARGIN OF EACH SHEET. THE FIRST DIGIT OF THE ZONE NUMBER REFERS TO THE SHEET NUMBER. THE SECOND AND THIRD DIGITS ARE THE LINE NUMBERS OF THE CIRCUITS. EXAMPLE: 321 REFERS TO SHEET 3, LINE 21.

4. A CIRCUIT CONTINUATION IS SHOWN BY A ZONE NUMBER IN A HEXAGON.



5. THE LETTERS SHOWN IN PARENTHESIS AFTER THE SELECTOR SWITCH CALL OUT INDICATE THE POSITION IN WHICH THE CONTACTS ARE CLOSED. EXAMPLE: S33(N) MEANS SWITCH IS CLOSED IN NEUTRAL.

6. ALL DEVICES ARE SHOWN IN THEIR NORMAL OR DE-ENERGIZED POSITION. THE REVERSE IS SHOWN IN THE FORWARD MOVEMENT POSITION.

- MOTOR ARMATURE OR ALT
- COMMUTATING FIELD
- SERIES FIELD
- SHUNT OR SEPARATE FIELD
- TERMINAL CONNECTION (WITH TERM DESIGNATION)
- BOLT SPLICE OR BOLT CONNECTION
- BUSSED TERMINAL
- CONNECTOR 5 PIN/SOCKET D
- RESISTOR
- ADJUSTED RESISTOR
- RHEOSTAT OR VARIABLE RESISTOR
- THYRISTOR
- BATTERY
- SHUNT
- ELECTRONIC GROUND
- FRAME GROUND
- RELAY COIL OR SOLENOID OR TEMP SENSOR
- NORMALLY OPEN SWITCH OR RELAY CONTACT
- NORMALLY CLOSED SWITCH OR RELAY CONTACT

- MAIN CONTACTOR
- SOLENOID CONTACTS
- PUSH BUTTON SWITCH
- NORMALLY CLOSED SWITCH
- NORMALLY OPEN SWITCH
- DOUBLE THROW SWITCH
- 3 POSITION TOGGLE SWITCH
- ROTARY SWITCH
- PRESSURE SWITCH
- MECH ACTUATED SWITCH
- TEMPERATURE SWITCH
- CIRCUIT BREAKER
- SUPPRESSION NETWORK
- DIODE
- SILICONE CONTROLLED RECTIFIER DIODE
- ZENER DIODE

- TRANSFORMER
- INDICATOR LIGHT
- LIGHT
- MAGNETIC PICKUP
- METER WITH CIRCUIT SYMBOL INSIDE
- CAPACITOR
- SHIELDED CABLE

ITEM	DESCRIPTION	LOCATION
GF	GEN FIELD CONTACTOR	413,505,9XX
GFBR	GEN FIELD DISCHARGE RESISTOR	415
GFIP	GROUND FAULT INPUT PANEL	250,9XX
GFN	GEN FIELD CONTACTOR NETWORK	506,9XX
GFR	GEN FIELD RELAY	402,507,9XX
GFRN	GEN FIELD RELAY NETWORK	507,9XX
GR	GROUND FAULT IND LIGHT	718
GRR	GROUND REFERENCE RESISTOR	245,9XX
HB SV	HAND BRAKE SWITCH	554
IAD	ISOLATION AMPLIFIER 3	340,9XX
IAB	ISOLATION AMPLIFIER 4	344,9XX
IAC	ISOLATION AMPLIFIER 5	348,9XX
IAD	ISOLATION AMPLIFIER 6	352,9XX
IAD	ISOLATION AMPLIFIER 7	440,9XX
IAD	ISOLATION AMPLIFIER 8	419,9XX

ITEM	DESCRIPTION	LOCATION
...	LOW BLOWER PRESS LIGHT(CAB IND)	553
...	MASTER SWITCH	905
M1	MOTOR 1 (LEFT WHEEL)	240
M1 FLD	MOTOR 1 FIELD	457
M1TS	MOTOR 1 TEMPERATURE SENSOR	307
M2	MOTOR 2 (RIGHT WHEEL)	240
M2 FLD	MOTOR 2 FIELD	457
M2TS	MOTOR 2 TEMPERATURE SENSOR	311
M	MOTOR FIELD CONTACTOR	456,504,9XX
MDR	MOTOR FIELD DISCHARGE RESISTOR	455
MFN	MOTOR FIELD CONTACTOR NETWORK	505,9XX
MFE	MOTOR FIELD STATIC EXCITER	439-456,9XX
...	MOTOR OVER TEMPERATURE LIGHT	716
MPU 1	MAGNETIC PICK-UP (WHEEL MOTOR 1)	322
MPU 2	MAGNETIC PICK-UP (WHEEL MOTOR 2)	329
MPU 3	MAGNETIC PICK-UP (ALTERNATOR)	329
MSYN	MOTOR SYNCHRONIZATION TRANSFORMER	443
...	OIL PRESSURE SENSOR	638
...	OVERSPEED LIGHT	720

ITEM	DESCRIPTION	LOCATION
P1	PROPULSION POWER CONTACTOR	211,508,9XX
PIA	PROPULSION POWER CONT NETWORK	309,9XX
P2	PROPULSION POWER CONTACTOR	705,9XX
P2N	PROPULSION POWER CONT NETWORK	706,9XX
PBP SW	PARK BRAKE PRESSURE SWITCH	552
PTUA	PTU CONNECTOR A	805
PTUB	PTU CONNECTOR B	810
R1	RESISTOR 1	402
R100B	RESISTORS FOR PTUB	814
R80A	RESISTORS FOR PTUA	803
R80B	RESISTORS FOR PTUB	809
R90A	RESISTORS FOR PTUA	808
RCL	CONTROL LOGIC RESISTOR	855
RECT	RECTIFIER	211
RETARD	RETRARDING ELECTRONIC RHEOSTAT	527
REV-F	REVERSER (FORWARD FEED BACK)	502,9XX
REV-R	REVERSER (REVERSE FEED BACK)	503,9XX
REV(F)	REVERSER (FORWARD)	502,9XX
REV(F)N	REVERSER (FORWARD) NETWORK	503
REV(R)	REVERSER (REVERSE)	503,9XX
REV(R)N	REVERSER (REVERSE) NETWORK	504
REVERSER	REVERSER (MAIN CONTACTS)	452
RFR	REVERSER FORWARD RELAY	545
RG1	RET GRID 1	232
RG2	RET GRID 2	232
RLR	RETRARD LIGHT RELAY	543,9XX
RP1	RET POWER CONTACTOR 1	235,511,9XX
RP1N	RET POWER CONTACTOR 1 NETWORK	512,9XX
RP2	RET POWER CONTACTOR 2	235,512,9XX
RP2N	RET POWER CONTACTOR 2 NETWORK	513,9XX
RP3	RET POWER CONTACTOR 3	227,513,9XX
RP3N	RET POWER CONTACTOR 3 NETWORK	514,9XX
RP4	RET POWER CONTACTOR 4	228,515,9XX
RP4N	RET POWER CONTACTOR 4 NETWORK	515,9XX
RP5	RET POWER CONTACTOR 5	224,516,9XX
RP5N	RET POWER CONTACTOR 5 NETWORK	517,9XX
RP6	RET POWER CONTACTOR 6	223,707,9XX
RP6N	RET POWER CONTACTOR 6 NETWORK	708,9XX
RP7	RET POWER CONTACTOR 7	222,708,9XX
RP7N	RET POWER CONTACTOR 7 NETWORK	709,9XX
RP8	RET POWER CONTACTOR 8	221,709,9XX
RP8N	RET POWER CONTACTOR 8 NETWORK	710,9XX
RP9	RET POWER CONTACTOR 9	219,711,9XX
RP9N	RET POWER CONTACTOR 9 NETWORK	711,9XX
RSC LT	RETRARD SPEED CONTROL LIGHT	530
RSC SW	RETRARD SPEED CONTROL SWITCH	534
RSR	RETRARD SPEED RHEOSTAT	534
S1	SHUNT 1	240
S2	SHUNT 2	240
S3	SHUNT 3	456
S4	SHUNT 4	412
S5	SHUNT 5	430
S6	SHUNT 6	442
S7	SHUNT 7	442
SS	SELECTOR SWITCH	537,538
...	SPEEDOMETER	318
...	SYSTEM FAULT LIGHT (CAB IND)	551
...	SYSTEM RESET SWITCH	550

ITEM	DESCRIPTION	LOCATION
2DD	2 DIGIT DISPLAY	816-841,9XX
ACF	A.C. FILTER	204
AFSE	ALT FIELD STATIC EXCITER	402-435,9XX
ALT	ALTERNATOR	202,413,432,443
ASYN	ALT SYNCHRONIZATION TRANSFORMER	429
BATT	BATTERIES A AND B	901
BIS	BATTERY ISOLATION SWITCH	902
BH1	GRID BLOWER MOTOR 1	226
BH2	GRID BLOWER MOTOR 2	226
BPS	BLOWER PRESSURE SV	356
CB2	CIRCUIT BREAKER 2	9XX
CB20	CIRCUIT BREAKER 20	9XX
CB8	CIRCUIT BREAKER 8	9XX
CB9	CIRCUIT BREAKER 9	9XX
CBSL	CONTROL BOX SERVICE LIGHT	907
CF1	CAPACITOR FILTER (+15VDC)	949
CF2	CAPACITOR FILTER (-15VDC)	954
CFR	CONTROL POWER RELAY	338,9XX
CT	CURRENT TRANSFORMER	433
CTR	CURRENT TRANSFORMER RESISTOR	431
DBU	DUMP BODY UP SWITCH	541,9XX
DDEC	DDEC (WARNING CIRCUITS)	628
DFBP	DIODE FAULT DETECTION PANEL	486,9XX
DOS	DUMPBODY OVERRIDE SWITCH	548
DR LT	DYNAMIC RETARDING LIGHT	543,545
DS SW	DATA STORE SWITCH	318
EPPA	ELECTRONIC FOOT PEDAL ASSY	522
...	ENGINE BLOWBY FLOW SENSOR	642
...	ENGINE COOLANT PRESSURE SENSOR	647
...	ENGINE COOLANT TEMP SENSOR	652
...	ENGINE SERVICE LIGHT	647
...	ENGINE SHUTDOWN LIGHT	645
...	FAILED DIODE LIGHT	722
FDT	FAULT DETECTION TRANSFORMER	412
FL275	CARD RACK 3XX,4XX,5XX,6XX,7XX,8XX,9XX	412

ITEM	DESCRIPTION	LOCATION
VDR3	VOLTAGE DIVIDER RESISTOR 3	414
VME1	VOLTAGE MEASURING MODULE 1	336,9XX
VME2	VOLTAGE MEASURING MODULE 2	332,9XX

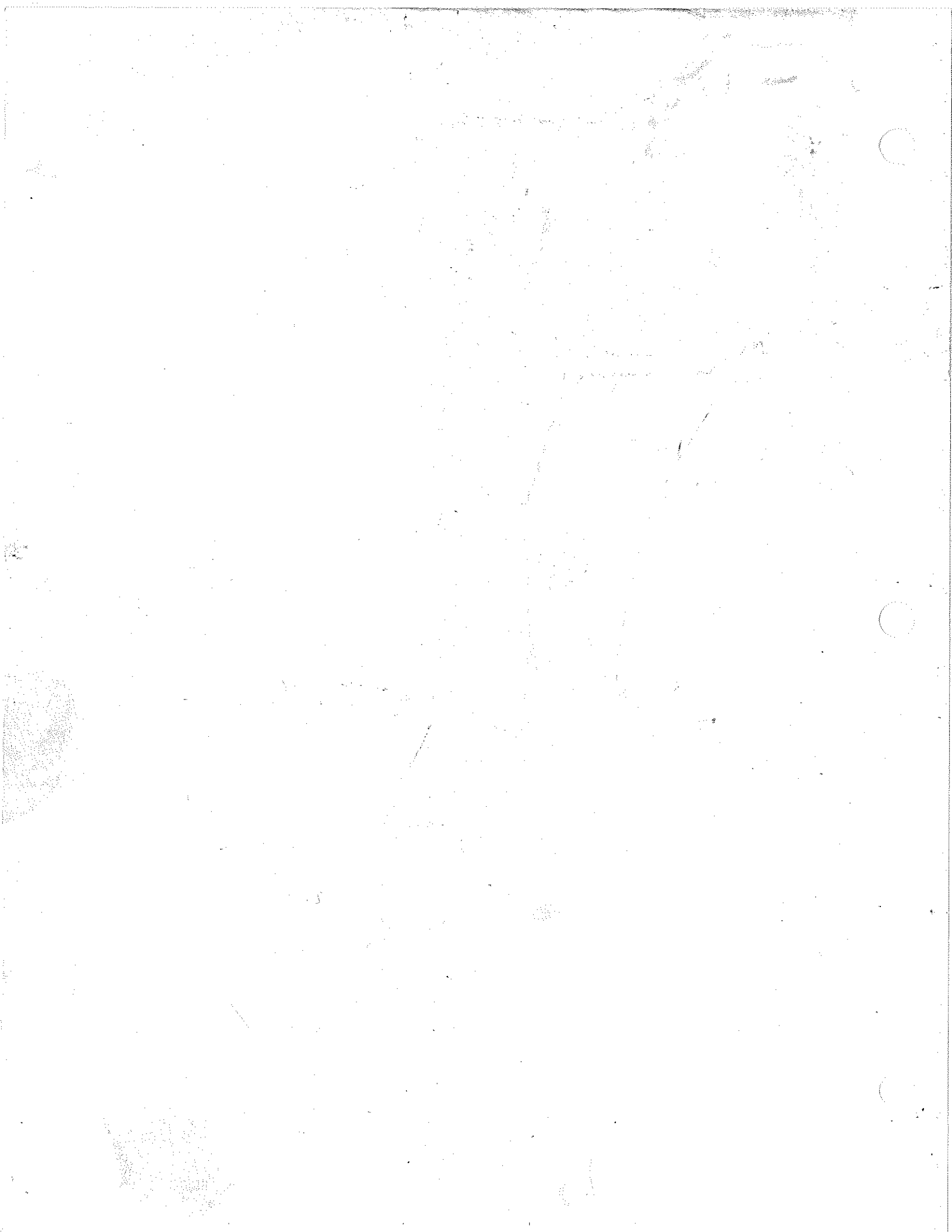
- ABBREVIATIONS FOR ABOVE LIST:
- 3xx MULTIPLE LINES OF SHEET 3
  - 4xx MULTIPLE LINES OF SHEET 4
  - 5xx MULTIPLE LINES OF SHEET 5
  - 6xx MULTIPLE LINES OF SHEET 6
  - 7xx MULTIPLE LINES OF SHEET 7
  - 8xx MULTIPLE LINES OF SHEET 8
  - ALT ALTERNATOR
  - AUTO AUTOMATIC
  - CONT CONTACTOR
  - GEN GENERATOR
  - IND INDICATOR
  - LT LIGHT
  - PRESS PRESSURE
  - PTU PORTABLE TEST UNIT
  - RET RETARD
  - SV SWITCH
  - TEMP TEMPERATURE



NUMBER S10492  
SHEET 1 OF 10  
ELECTRICAL SCHEMATIC  
POWER / CONTROL

STATUS: (1) PUBL. DRAFTED  
L200 BOX, ELECTRICAL P1 & REV  
78 CONTROL WIRE INTERFAC  
12, 18, OR 20 GRIDS

SHEET	CONTENTS
1	NOTES AND REFERENCE DATA
2A	POWER CIRCUIT & GND FAULT (12 GRIDS, 3 STEP ERR)
2B	POWER CIRCUIT & GND FAULT (18 GRIDS, 3 STEP ERR)
2C	POWER CIRCUIT & GND FAULT (18 GRIDS, 7 STEP ERR)
2D	POWER CIRCUIT & GND FAULT (20 GRIDS, 7 STEP ERR)
3	FL275 INPUTS
4	AFSE & MFSE
5	FL275 INPUTS & OUTPUTS
6	FL275 INPUTS & OUTPUT ENGINE OPTIONS
7	FL275 INPUTS & OUTPUT OPTIONS
8	FL275 +15V, +19V, +24V, DISPLAY
9	24V, +15V AND GND DISTRIBUTION
10	TERMINAL BOARDS

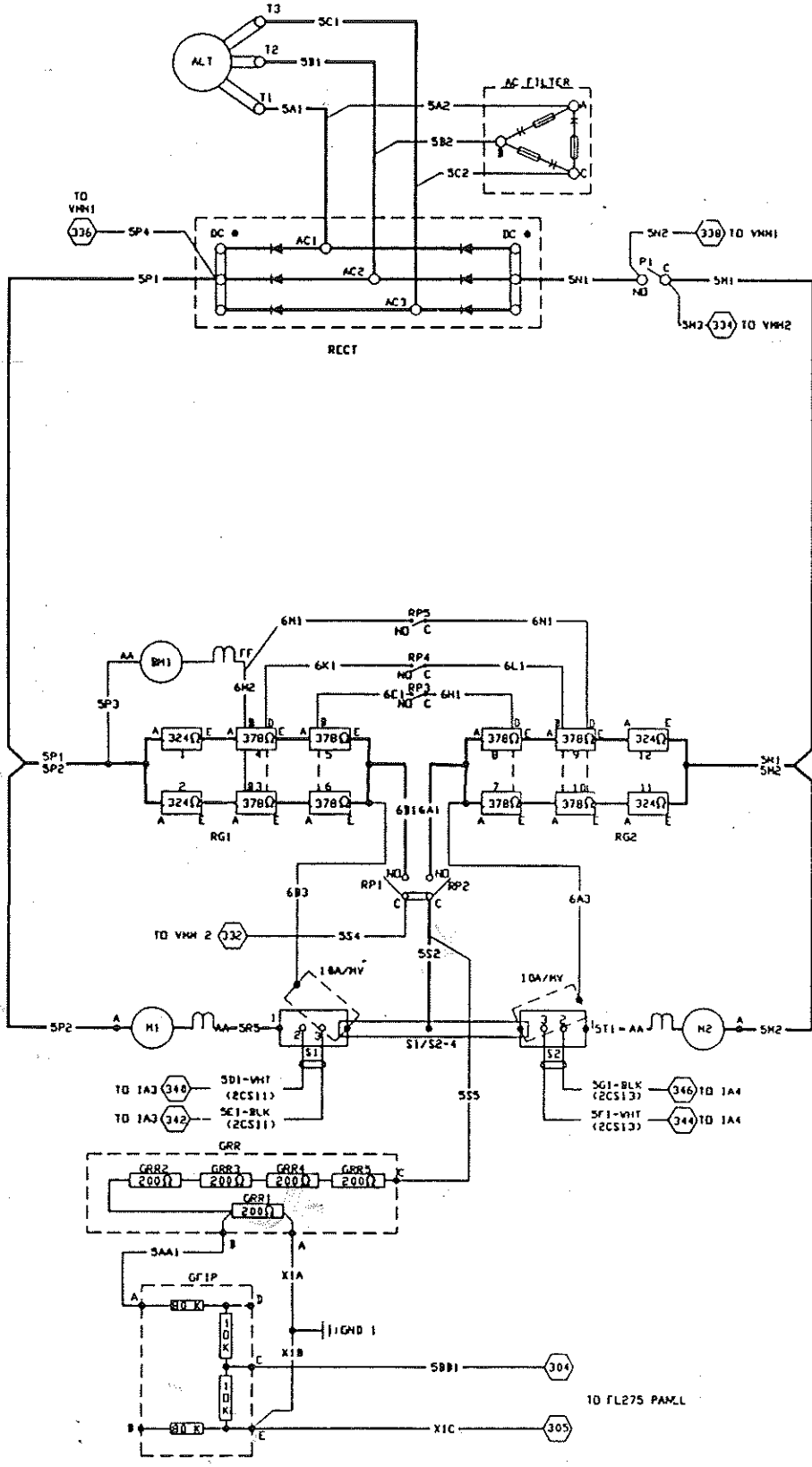


EN. NO. 88470  
 88883  
 90394

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
 COPYRIGHT DATE

NO. S10492

201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259

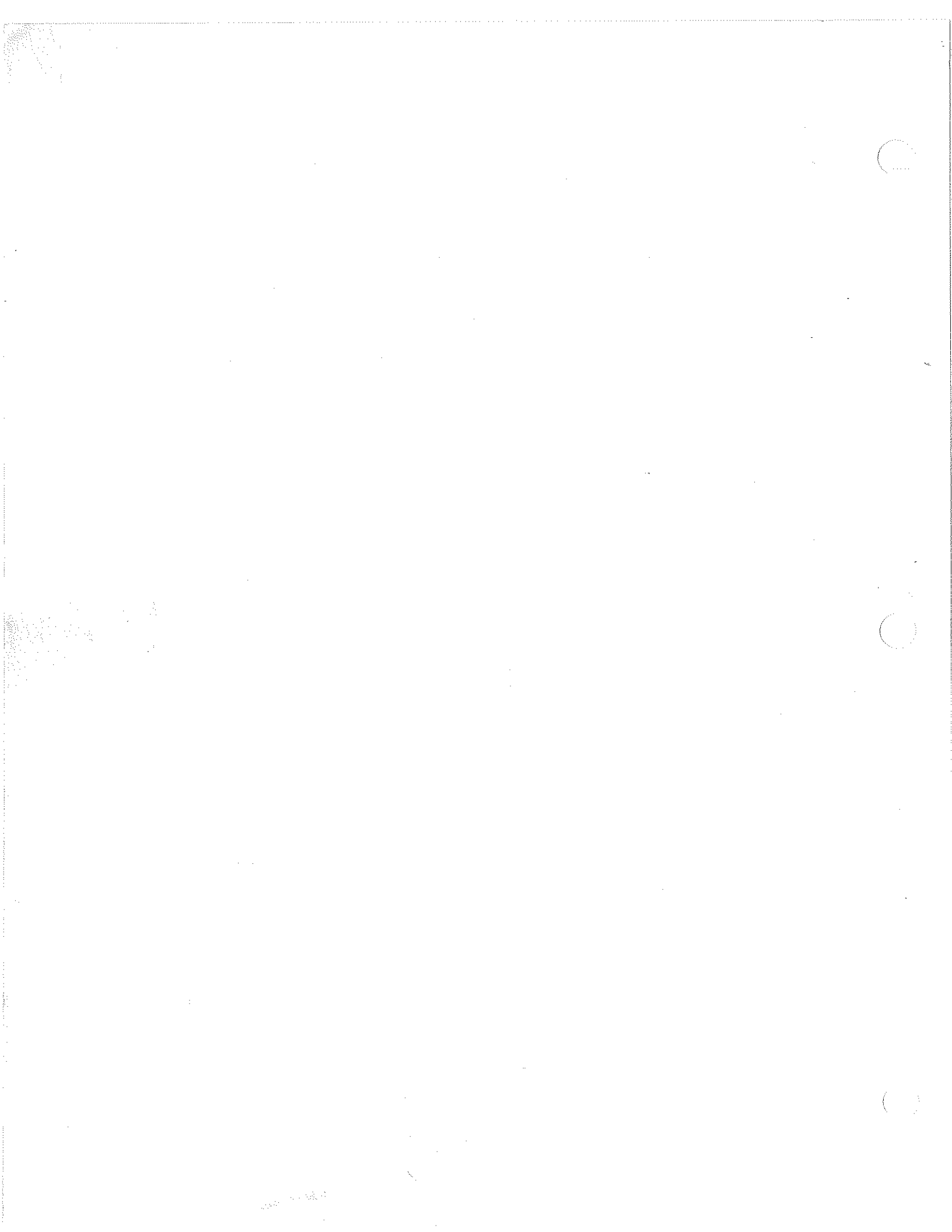


12 GAUGE 3 STEP EMB  
 SVING-SHUNT  
 LOAD BOX



NUMBER S10492  
 SHEET 2A OF 10  
 ELECTRICAL SCHEMATIC  
 POWER / CONTROL

TO FL275 PANEL

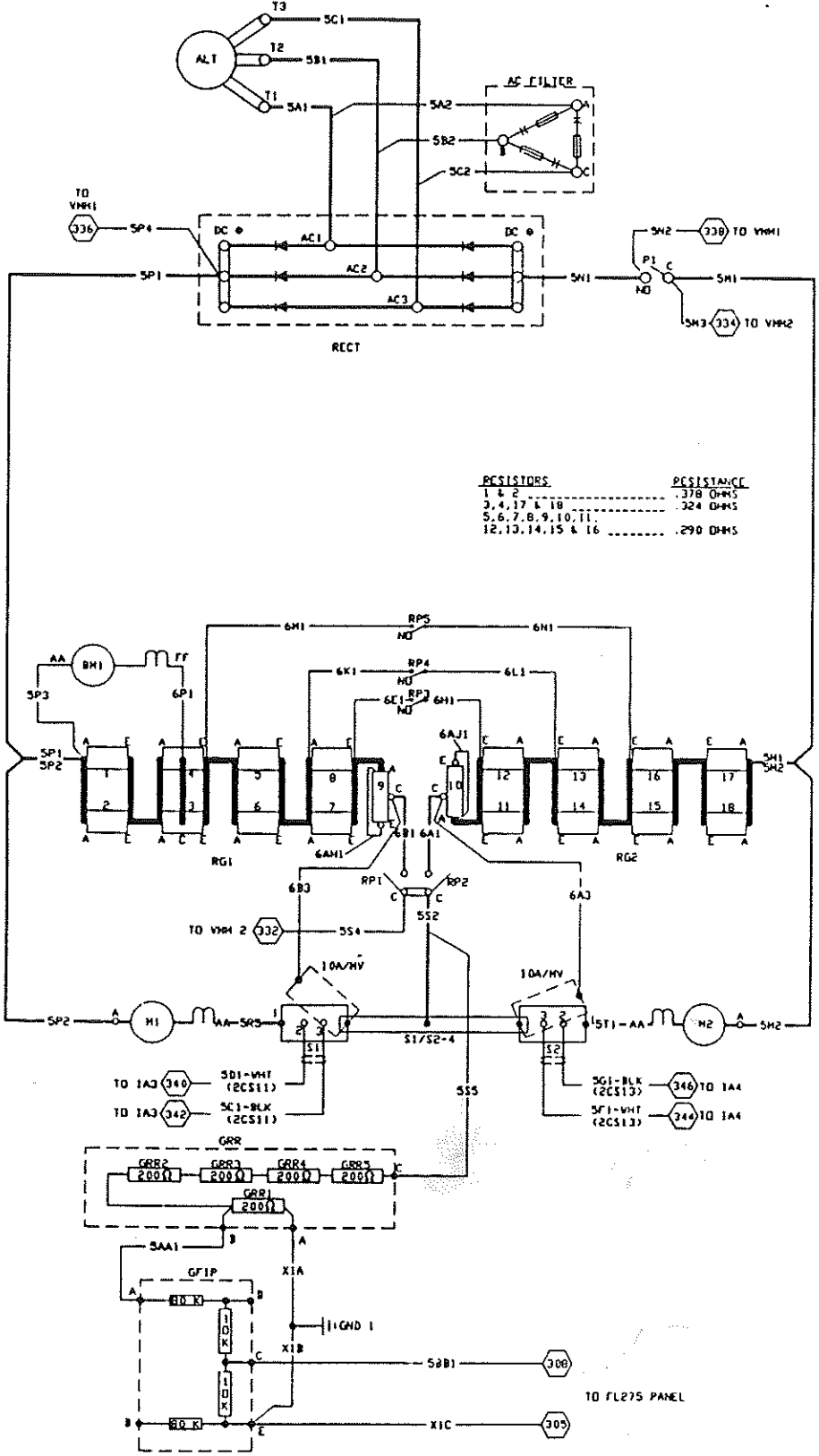


90394  
 88883  
 88470  
 E.N. NO.

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO  
 UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE  
 REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR  
 WRITTEN PERMISSION OF UNIT RIG.  
 COPYRIGHT DATE

NC. S10492

201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257

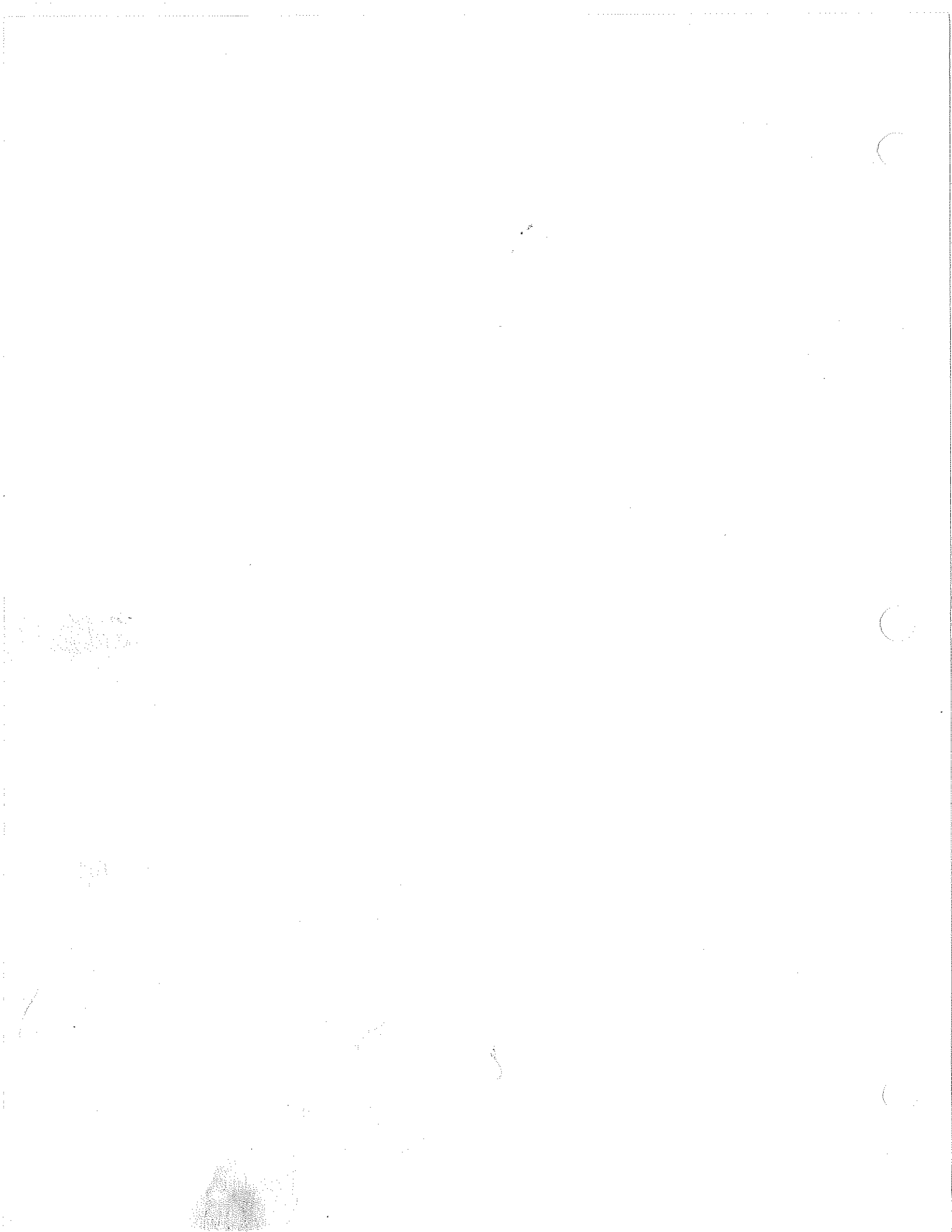


RESISTORS	PERSISTANCE
1 & 2	.378 OHMS
3, 4, 17 & 18	.324 OHMS
5, 6, 7, 8, 9, 10, 11	
12, 13, 14, 15 & 16	.290 OHMS

18 GAUSS. 3 STEP ERR. & P1 ONLY



ELECTRICAL SCHEMATIC  
 POWER / CONTROL  
 SHEET 28 OF 10  
 NUMBER S10492

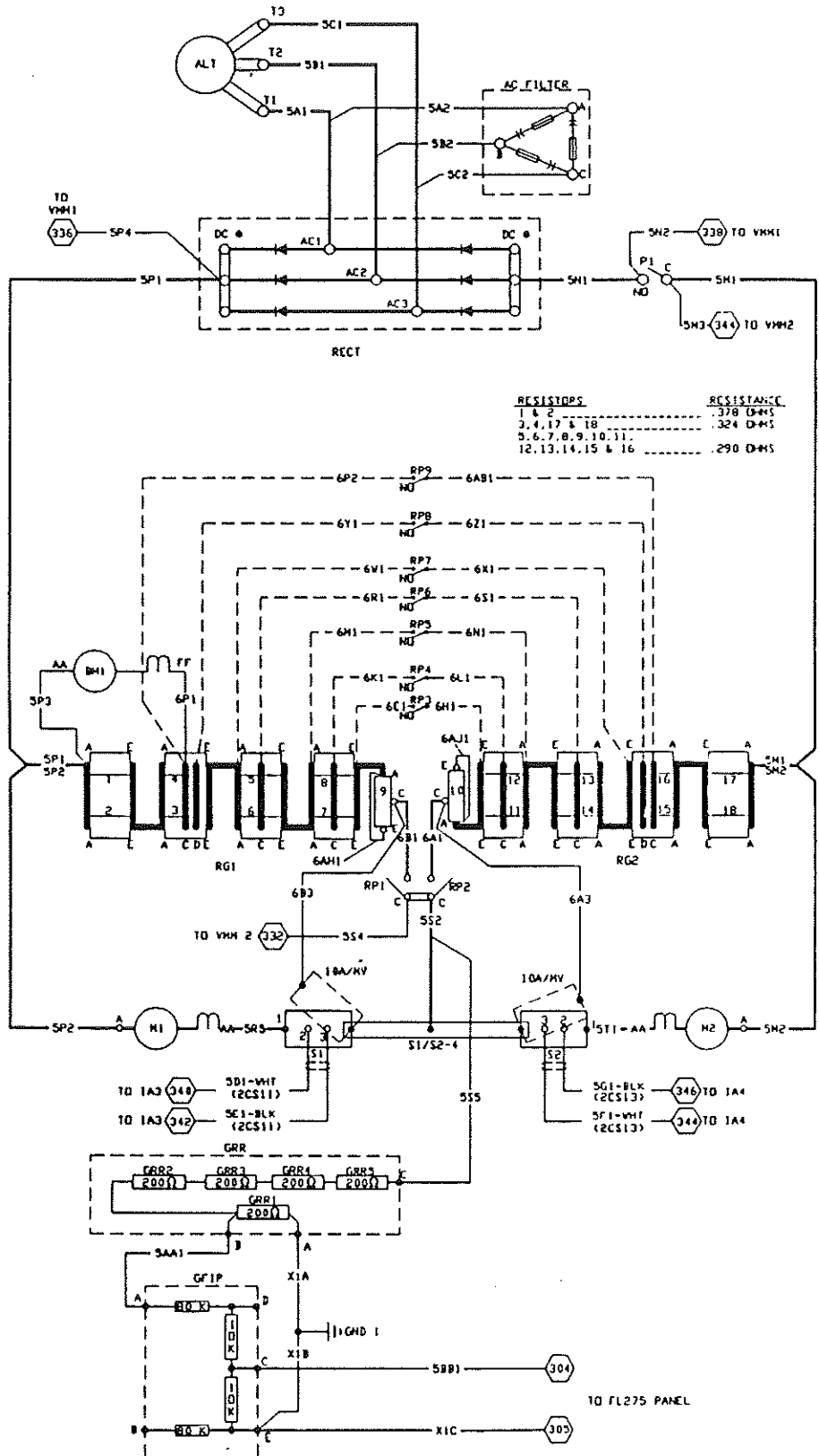


90394  
88893  
88470  
E.N. NO.

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE

NO. S10492

201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259



RESISTORS	RESISTANCE
1 & 2	378 OHMS
3, 4, 17 & 18	324 OHMS
5, 6, 7, 8, 9, 10, 11	
12, 13, 14, 15 & 16	290 OHMS

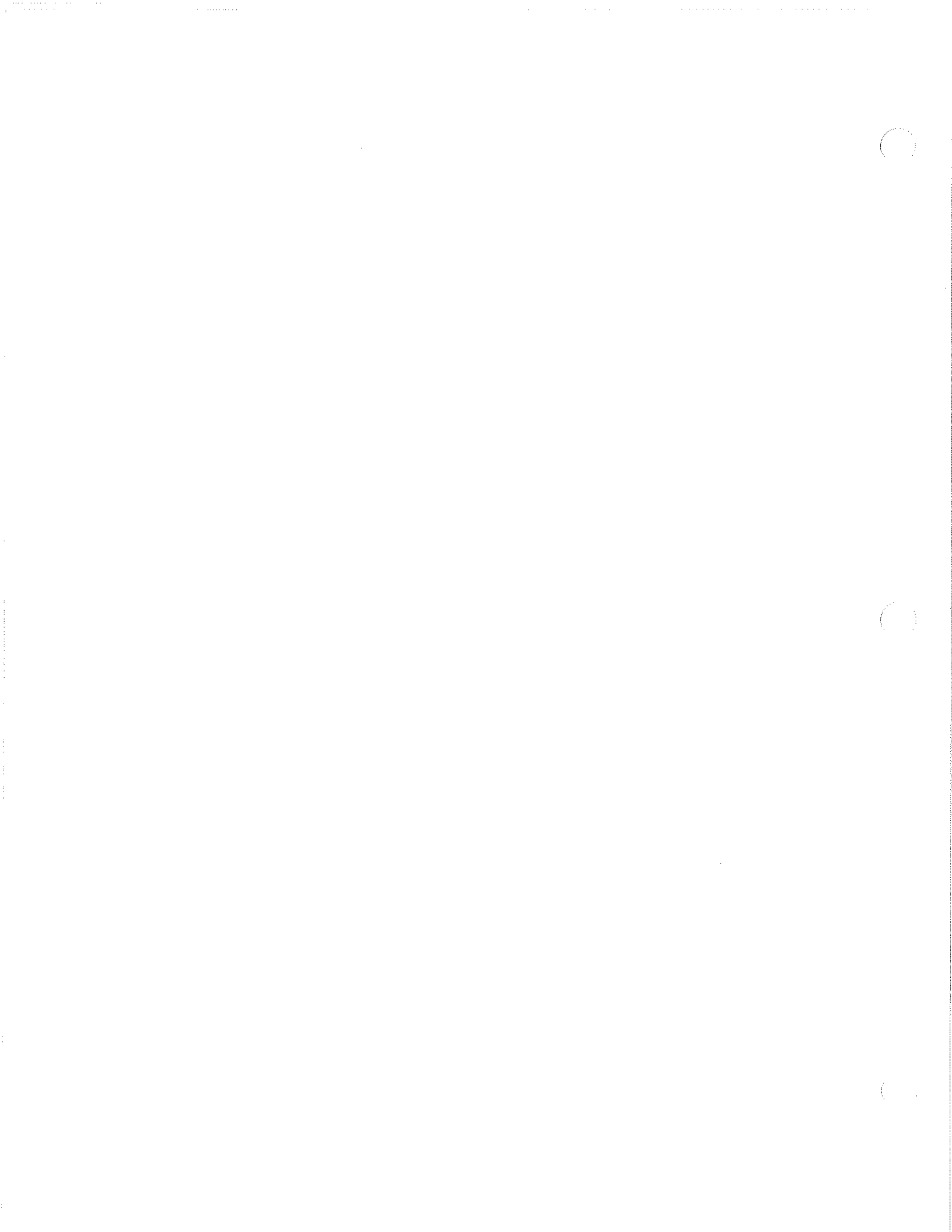
18 GRIDS, 7 STEP CEM, & P1 DMS 1

SWING-SHUNT  
LOAD BOX



UNIT RIG  
ELECTRICAL SCHEMATIC  
POWER / CONTROL  
SHEET 2C OF 10  
NUMBER S10492

TO FL275 PANEL

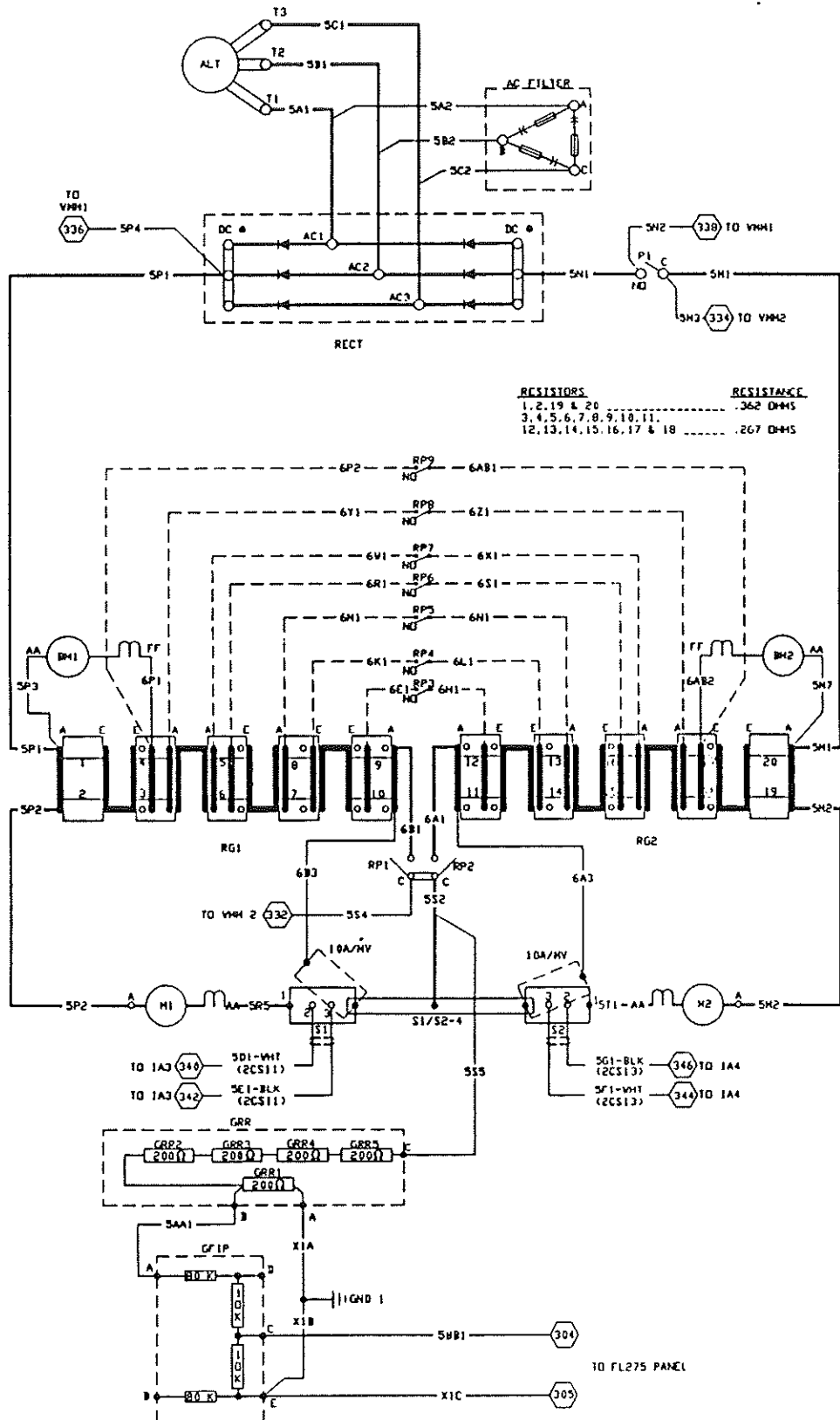


90394  
 88883  
 88470  
 EN. NO.

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO  
 UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE  
 REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR  
 WRITTEN PERMISSION OF UNIT RIG.  
 COPYRIGHT DATE \_\_\_\_\_

NO. S10492

201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259



RESISTORS	RESISTANCE
1, 2, 19 & 20	.362 OHMS
3, 4, 5, 6, 7, 8, 9, 10, 11,	
12, 13, 14, 15, 16, 17 & 18	.267 OHMS

20 GRIDS, 7 STEP CRR



ELECTRICAL SCHEMATIC  
 POWER / CONTROL  
 SHEET 20 OF 10  
 NUMBER S10492



E.M. NO. 88470  
 88883  
 90394

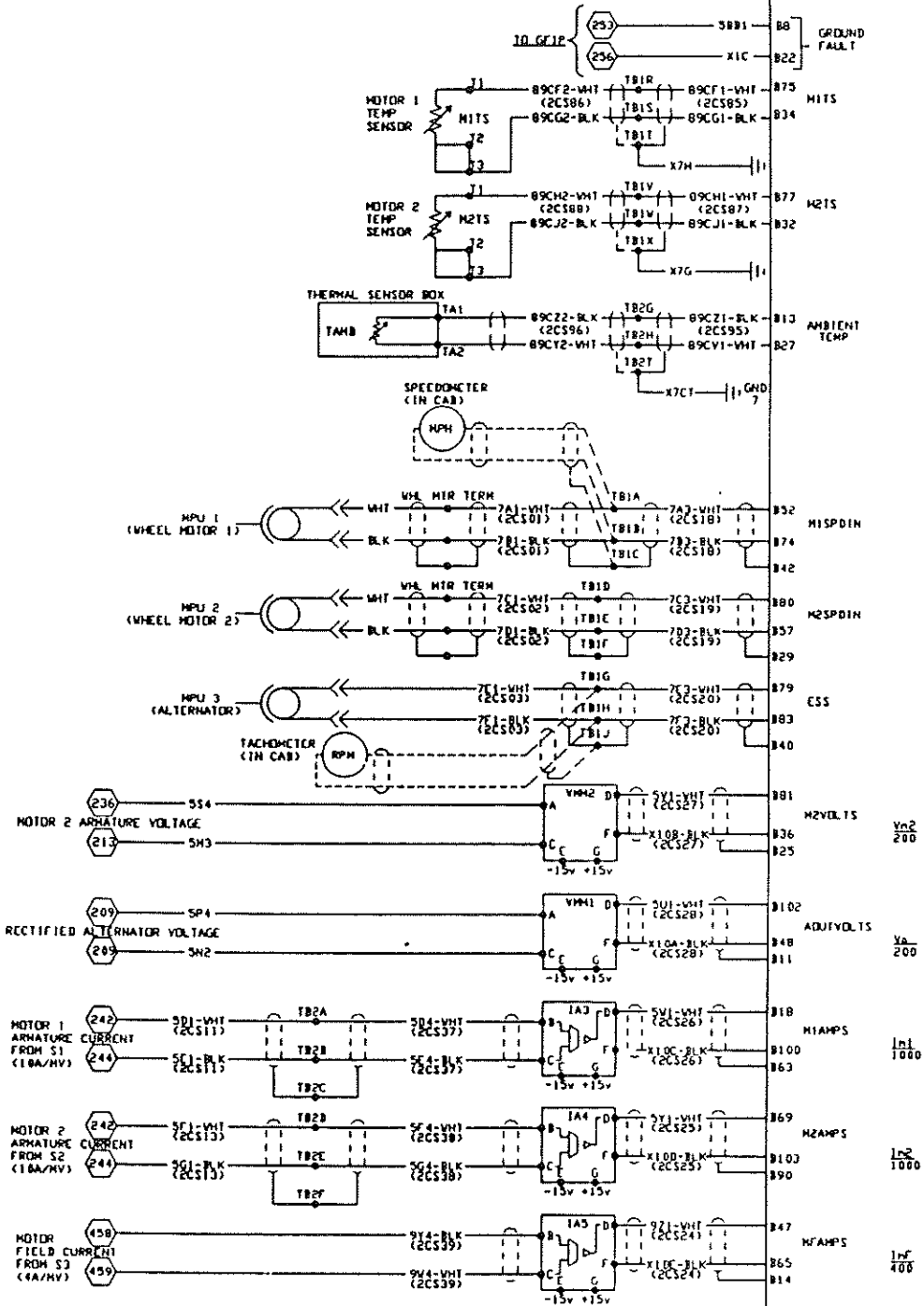
THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE

FIG. S10492

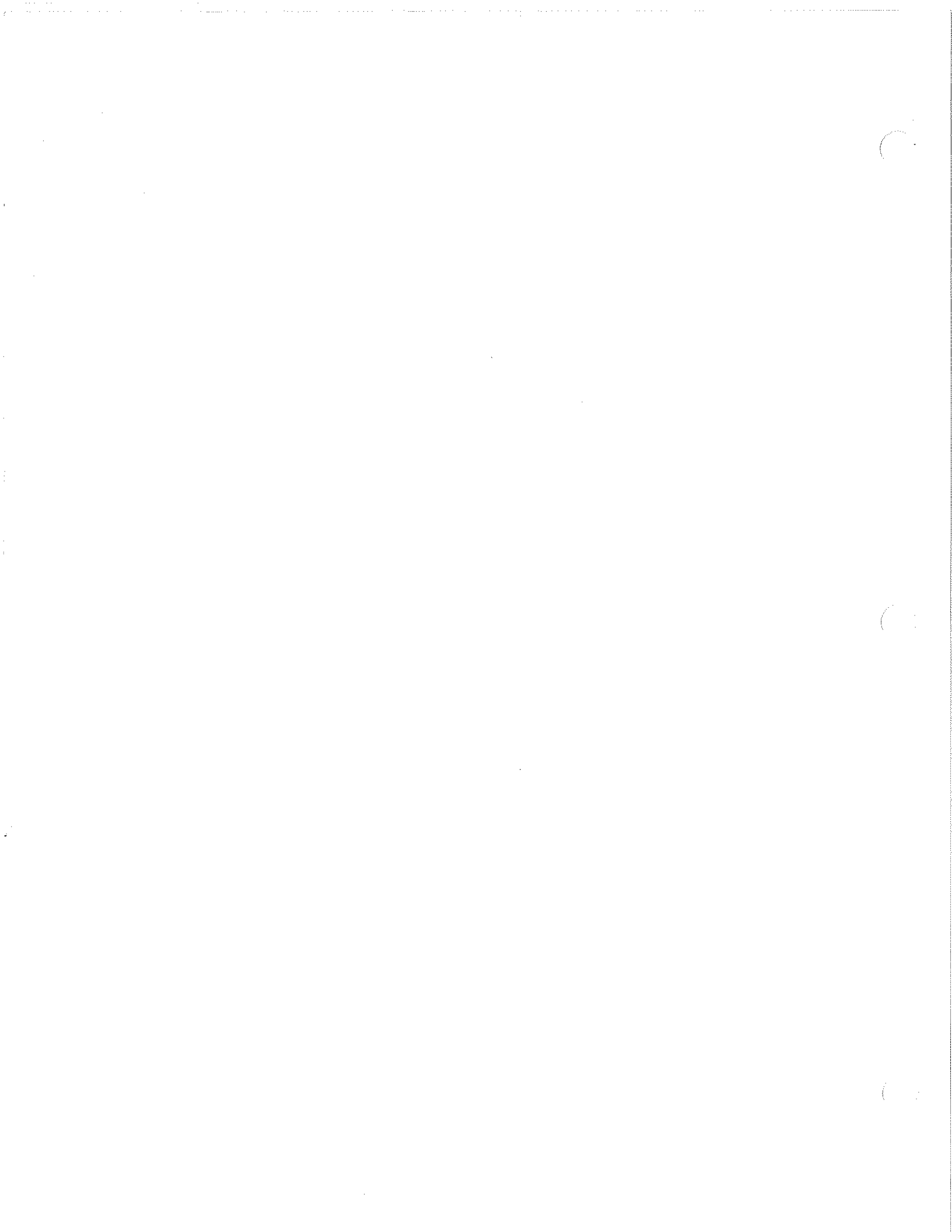
301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359

FL275-INPUTS

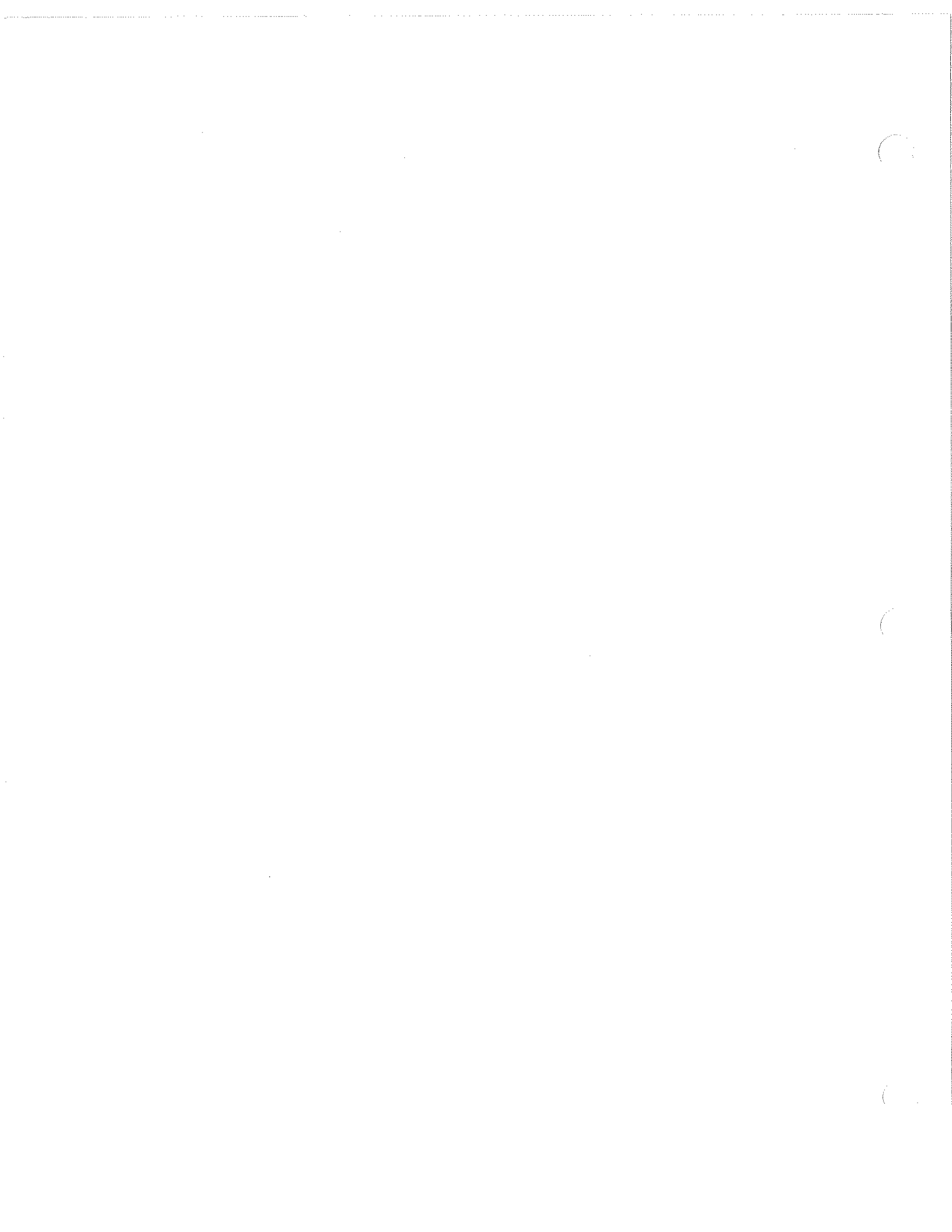
FL275



ELECTRICAL SCHEMATIC  
 POWER / CONTROL  
 SHEET 3 OF 10  
 NUMBER S10492



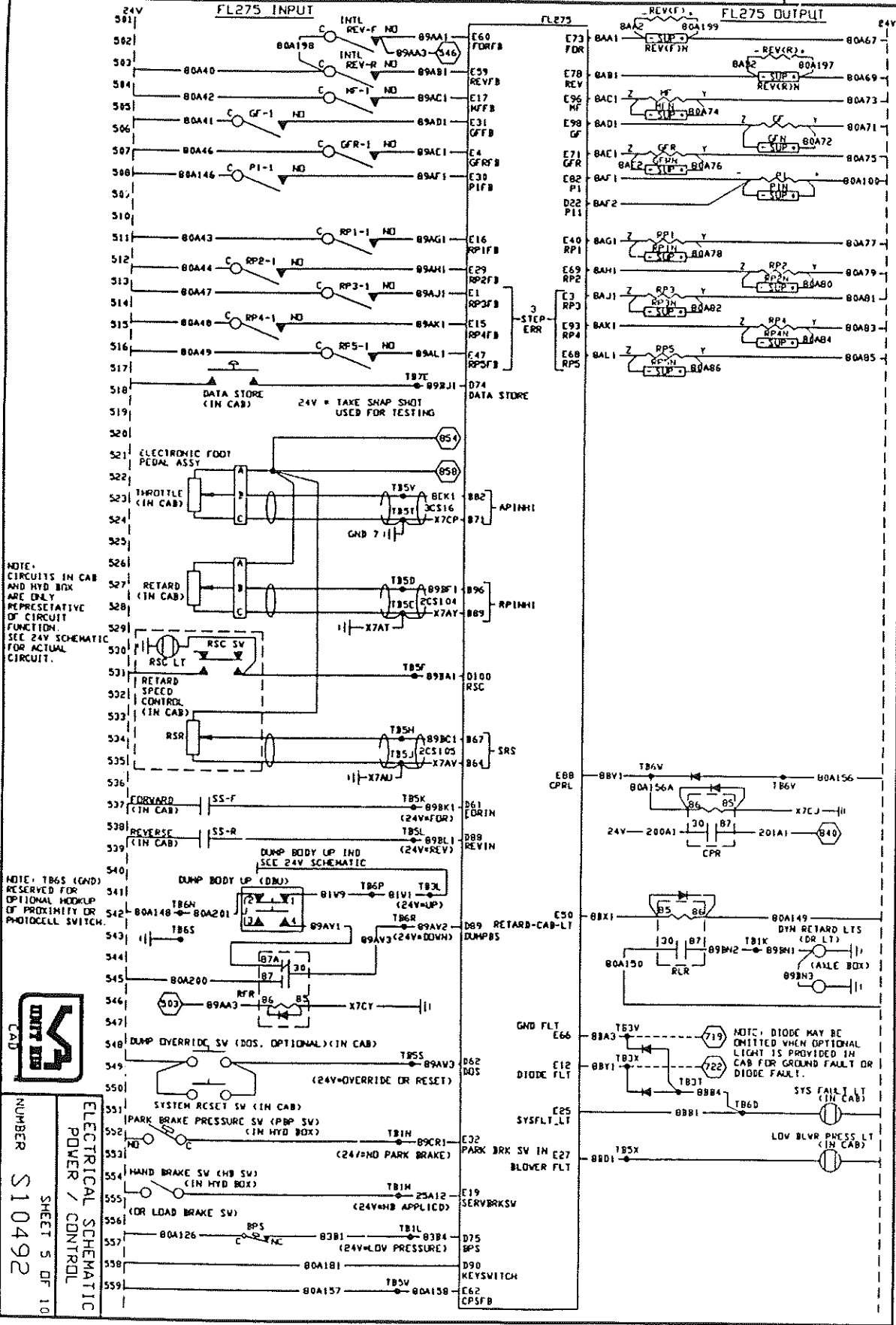




E.N. NO.  
88470  
88883  
90394

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG. COPYRIGHT DATE \_\_\_\_\_

NO. S10492

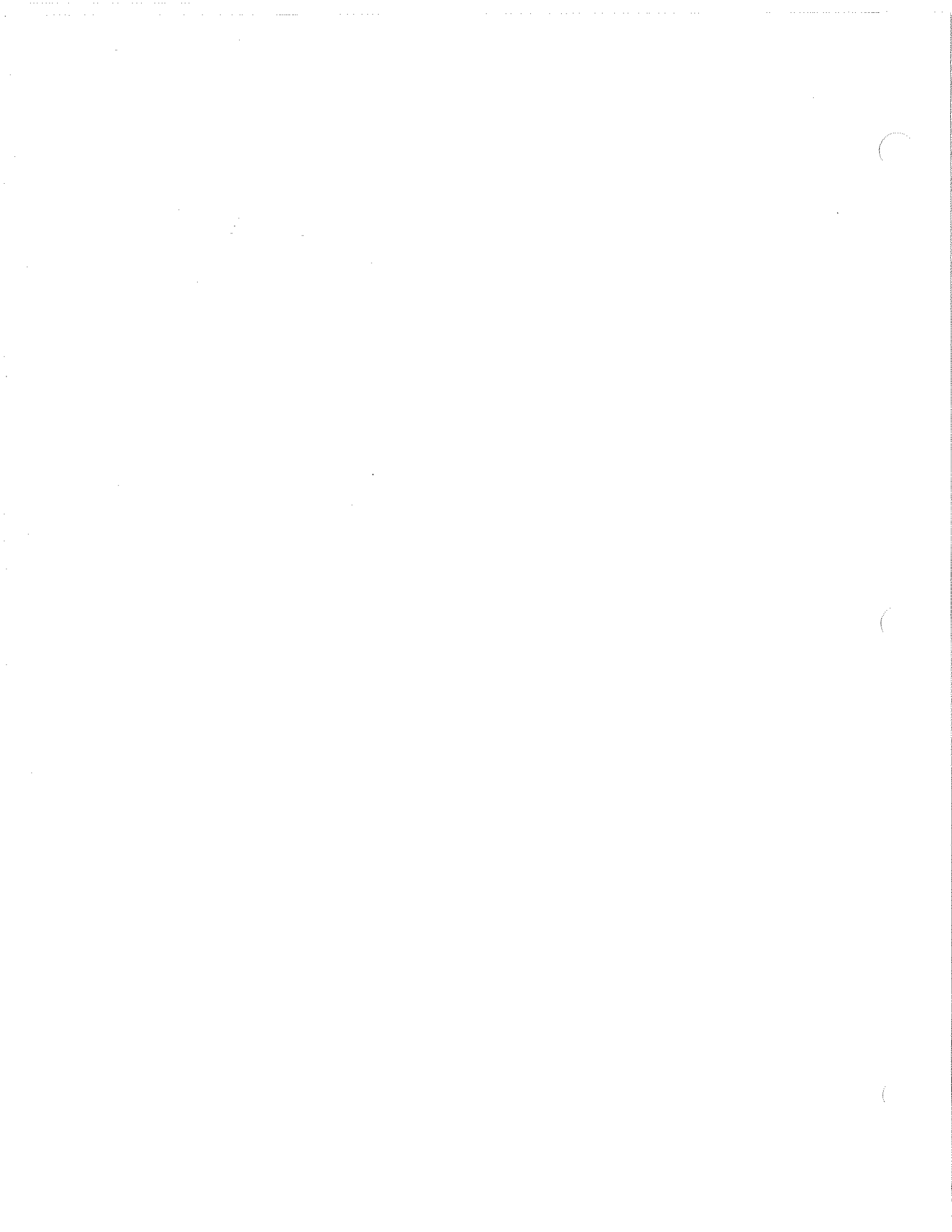


NOTE: CIRCUITS IN CAB AND HYD BOX ARE ONLY REPRESENTATIVE OF CIRCUIT FUNCTION. SEE 24V SCHEMATIC FOR ACTUAL CIRCUIT.

NOTE: TB65 (GND) RESERVED FOR OPTIONAL HOOKUP OF PROXIMITY OR PHOTOCELL SWITCH.



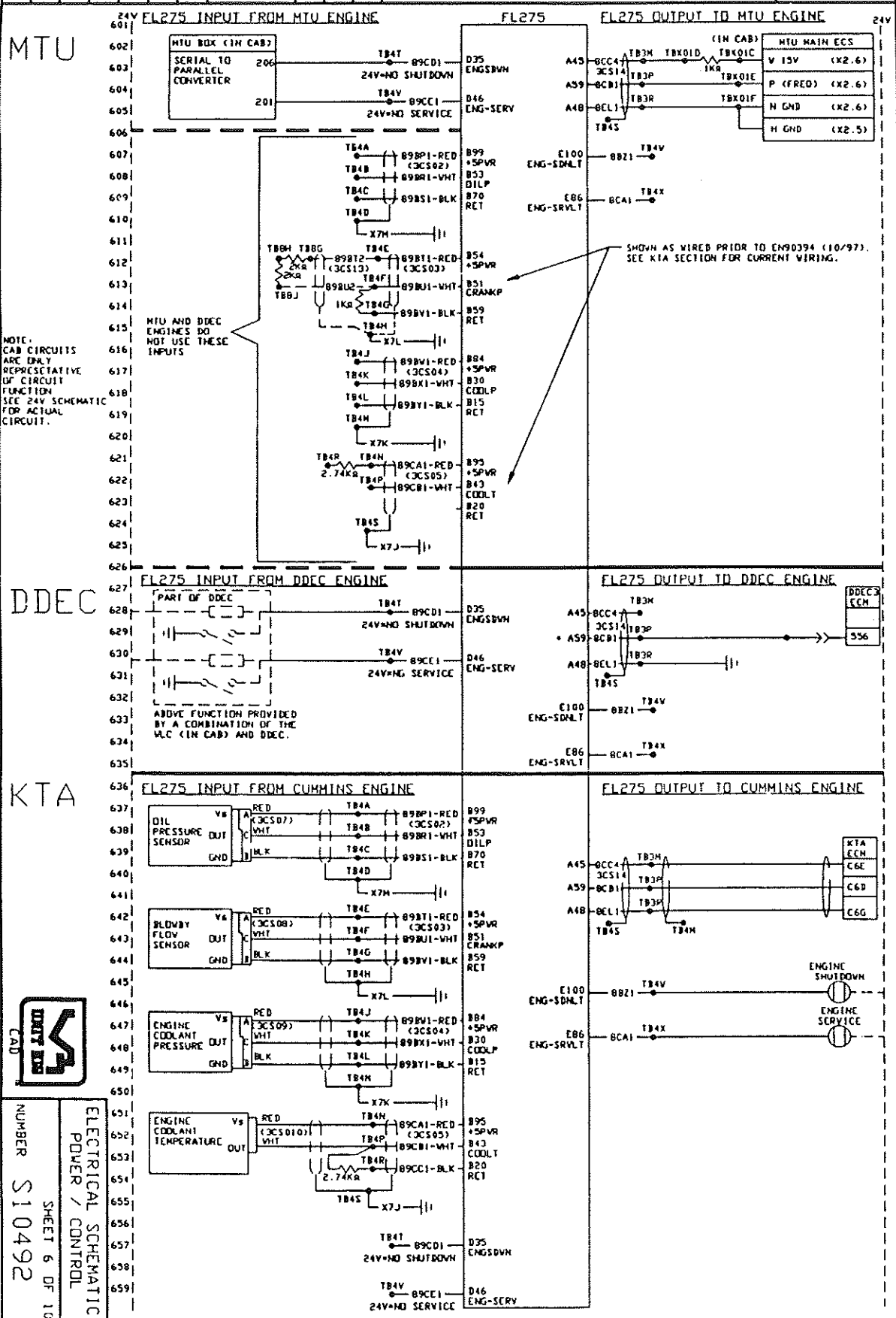
UNIT RIG  
ELECTRICAL SCHEMATIC  
POWER / CONTROL  
SHEET 5 OF 10  
NUMBER S10492



EM. NO. 88470  
88883  
90394

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION OF UNIT RIG.  
COPYRIGHT DATE

NO. S10492



NUMBER S10492  
ELECTRICAL SCHEMATIC  
POWER / CONTROL  
SHEET 6 OF 10

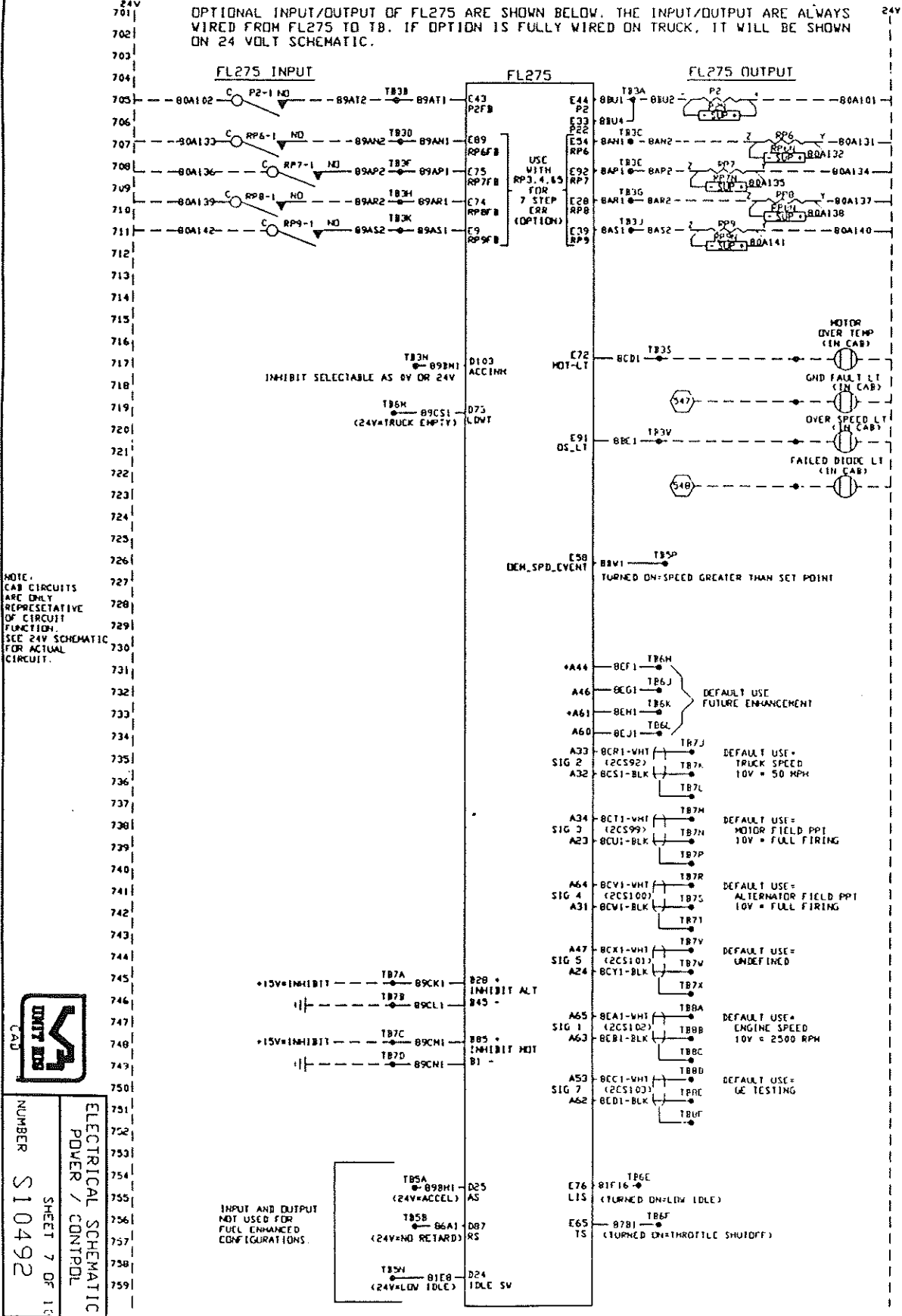


E.N. NO. 88470  
 88883  
 90394

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO  
 UNIT RIG, A DIVISION OF TEREX CORPORATION. IT SHALL NOT BE  
 REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT PRIOR  
 WRITTEN PERMISSION OF UNIT RIG.  
 COPYRIGHT DATE \_\_\_\_\_

NO. S10492

OPTIONAL INPUT/OUTPUT OF FL275 ARE SHOWN BELOW. THE INPUT/OUTPUT ARE ALWAYS  
 WIRED FROM FL275 TO TB. IF OPTION IS FULLY WIRED ON TRUCK, IT WILL BE SHOWN  
 ON 24 VOLT SCHEMATIC.



NOTE:  
 CAB CIRCUITS  
 ARE ONLY  
 REPRESENTATIVE  
 OF CIRCUIT  
 FUNCTION.  
 SEE 24V SCHEMATIC  
 FOR ACTUAL  
 CIRCUIT.



ELECTRICAL SCHEMATIC  
 POWER / CONTROL  
 SHEET 7 OF 13  
 NUMBER S10492

