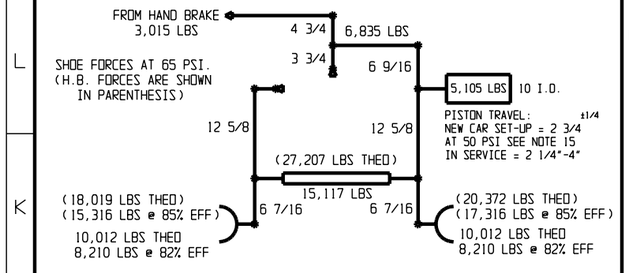
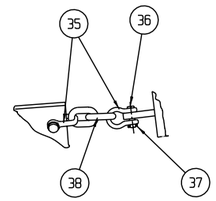


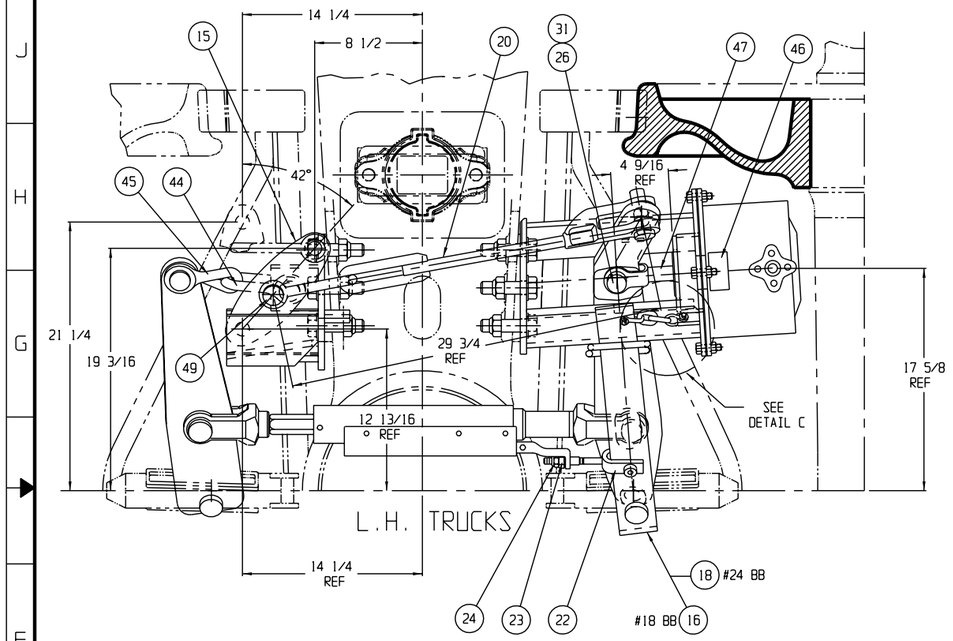

NOTES:
1. SEE PURCHASE ORDER FOR DRAWING NO. SHOWING TRUCK MOUNTED BRAKE AND LEVER LOCATIONS.
2. QUANTITIES SHOWN ARE FOR ONE TRUCK-SET OF MATERIAL.
3. THESE TRUCK MOUNTED BRAKES ARE DESIGNED FOR USE WITH NO. #18 BRAKE BEAMS.
4. THESE TRUCK MOUNTED BRAKES ARE DESIGNED FOR USE WITH NO. #24 BRAKE BEAMS.
5. BADGE PLATE WILL BE SUPPLIED BY CARBUILDER.
6. THESE PARTS MAKE ASSEMBLY P/N 31550.
7. TRUCK MOUNTED BRAKE IS SHOWN IN LIGHT CAR, BRAKE RELEASED AT HAND BRAKE TRUCK WITH LIVE LEVER.
8. DO NOT LIFT USING ANY PART OF THE T.M.B.
9. TORQUE NUTS (ITEM 42) TO 250-300 FT.LBS.
10. FOR AIR BRAKE CONNECTION THE CARBUILDER WILL USE (2) 1/2-13 UNC HEX HEAD SELF LOCKING CAP SCREWS.
11. THERE SHOULD BE SLACK ALLOWED IN HORIZONTAL CHAIN CONNECTION FOR A CAR TO NEGOTIATE A 180 FT. OR 150 FT. RADIUS CURVE FOR A.A.R. SPECIFICATION.
12. THE PISTON TRAVEL INDICATOR DECALS ITEM 48 (32804) HAVE TO BE APPLIED BY THE CAR BUILDER TO EACH SIDE OF THE CAR IN THE CYLINDER AREA. THE DECALS ARE SHIPPED LOOSE.
13. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE NOMINAL.
14. CLEVIS, CLEVIS PIN & COTTER PIN FOR HAND BRAKE CONNECTION WILL BE SUPPLIED BY THE CARBUILDER.
15. SEE ELLCON NATIONAL'S INSTALLATION AND FIELD SERVICE INSTRUCTIONS FOR SET-UP PROCEDURES.

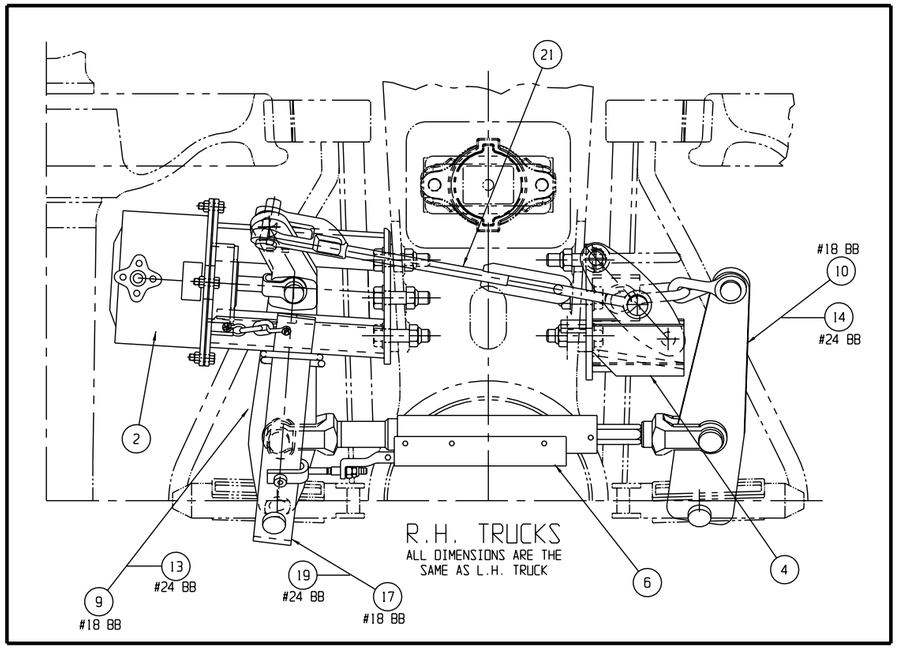


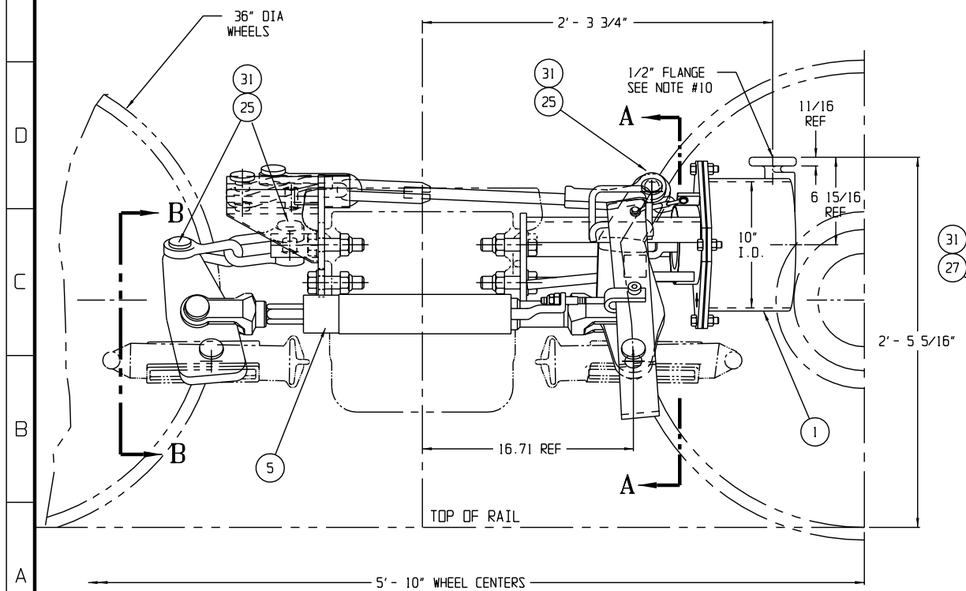

DETAIL C
SCALE: 3"- 1'-0"

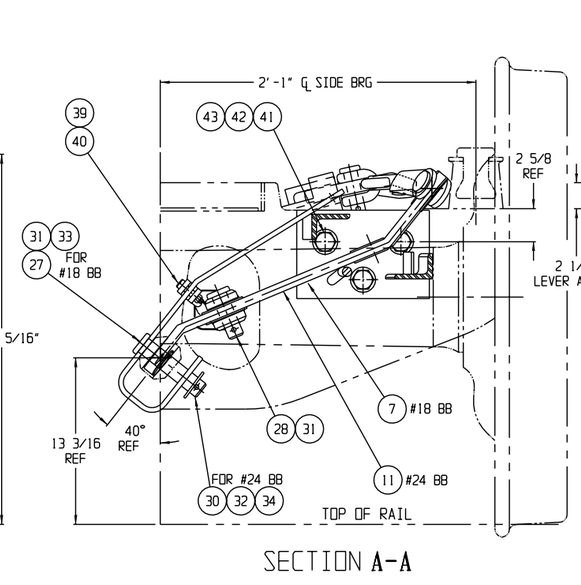
COVERED BY PATENTS
U.S. 4312428
CANADA 1163931

| REVISIONS | | | |
|---|---|---|---|
| LTR | DATE | DESCRIPTION | BY |
| | | ISSUED PER ECN #4257 | |
| A | 8/28/02 | PULL ROD P/N 34721-1/-2 WAS 34392-1/-2 CHANGED PICTURE. DIM 19 3/16 WAS 19, 8 1/2 WAS 8 5/16 AND 29 3/4 WAS 30 1/2 & 42° WAS 44°. ECN #4390 | PS |

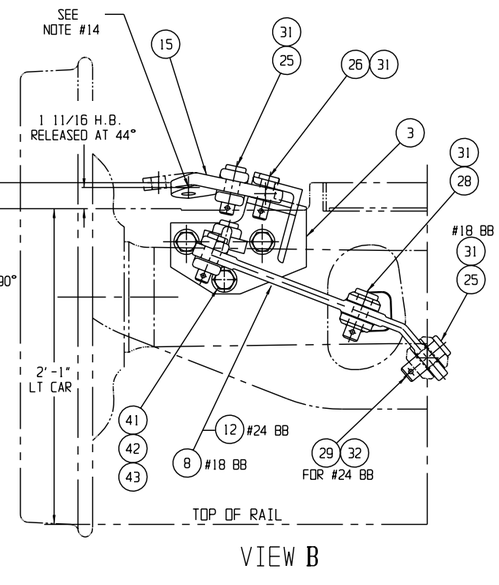



SECTION A-A




VIEW B

| SEE NOTES | -R24 | -L24 | -R18 | -L18 | PART NO | DESCRIPTION | ITEM |
|---|---|---|---|---|---|---|---|
| | QTY | | | | | BILL OF MATERIAL | |
| | 1 | 1 | 1 | 1 | 32315 | CLEVIS | 49 |
| 12 | 2 | 2 | 2 | 2 | 32804 | P.T. INDICATOR DECAL (NOT SHOWN) | 48 |
| | 1 | 1 | 1 | 1 | 30218 | PUSH ROD (PART OF IT. 1 & 2) | 47 |
| | 1 | 1 | 1 | 1 | 30252 | NAMEPLATE (PART OF IT. 1 & 2) | 46 |
| | 1 | 1 | 1 | 1 | 31411 | CLEVIS (90 R.H. TWIST) | 45 |
| | 1 | 1 | 1 | 1 | 8819 | CLEVIS | 44 |
| | 6 | 6 | 6 | 6 | 3958-48 | WASHER, PLAIN HARDENED 1" | 43 |
| 9 | 6 | 6 | 6 | 6 | 4493-31 | NUT (ESNA), 1-8 | 42 |
| | 6 | 6 | 6 | 6 | 3442-137 | BOLT, 1-8 UNC X 3 3/4 LG (GR.5) | 41 |
| | 1 | 1 | 1 | 1 | 5340-4 | SHOULDER BOLT, 3/8-16 | 40 |
| | 1 | 1 | 1 | 1 | 4493-8 | NUT (ESNA), 3/8-16 | 39 |
| 6 | 1 | 1 | 1 | 1 | 31439 | CHAIN | 38 |
| 6 | 2 | 2 | 2 | 2 | 31438-3 | COTTER PIN | 37 |
| 6 | 2 | 2 | 2 | 2 | 31438-2 | PIN — ASSY P/N 31438 | 36 |
| 6 | 2 | 2 | 2 | 2 | 31438-1 | SHACKLE | 35 |
| | 1 | 1 | - | - | 3958-35 | WASHER, PLAIN, 1 3/8 | 34 |
| | - | - | 1 | 1 | 3958-28 | WASHER, PLAIN, 1 1/4 | 33 |
| | 2 | 2 | - | - | 9008-3 | COTTER PIN, WEDGE FAST, 5/16 X 3 | 32 |
| | 8 | 8 | 10 | 10 | 9008-2 | COTTER PIN, WEDGE FAST, 5/16 X 2 1/2 | 31 |
| | 1 | 1 | - | - | 30538-2 | CLEVIS PIN, 1 11/32 X 5 3/8 TO CL HOLE | 30 |
| | 1 | 1 | - | - | 30538-1 | CLEVIS PIN, 1 11/32 X 3 TO CL HOLE | 29 |
| | 2 | 2 | 2 | 2 | 30167-1 | CLEVIS PIN, 1 7/32 X 3 TO CL HOLE | 28 |
| | - | - | 1 | 1 | 30166-4 | CLEVIS PIN, 1 3/32 X 5 3/8 TO CL HOLE | 27 |
| | 2 | 2 | 2 | 2 | 30166-2 | CLEVIS PIN, 1 3/32 X 2 1/2 TO CL HOLE | 26 |
| | 4 | 4 | 5 | 5 | 30166-1 | CLEVIS PIN, 1 3/32 X 3 TO CL HOLE | 25 |
| | 1 | 1 | 1 | 1 | 4493-35 | NUT (ESNA), 1/2-13 (PART OF IT. 5 & 6) | 24 |
| | 1 | 1 | 1 | 1 | 33158 | CONTROL ARM NUT (PART OF IT. 5 & 6) | 23 |
| | 1 | 1 | 1 | 1 | 31139 | CONTROL ARM (PART OF IT. 5 & 6) | 22 |
| | 1 | - | 1 | - | 34721-2 | PULL ROD R.H. | 21 |
| | - | 1 | - | 1 | 34721-1 | PULL ROD L.H. | 20 |
| | 1 | - | - | - | 31157-1 | ACTUATOR LEVER R.H. #24 B.B. | 19 |
| | - | 1 | - | - | 31157 | ACTUATOR LEVER L.H. #24 B.B. | 18 |
| | - | - | 1 | - | 31141-1 | ACTUATOR LEVER R.H. #18 B.B. | 17 |
| | - | - | - | 1 | 31141 | ACTUATOR LEVER L.H. #18 B.B. | 16 |
| 1 | A/R | A/R | A/R | A/R | 32361-20 | MULTIPLYING LEVER (8 1/2 X 3 3/4) | 15 |
| 1 | A/R | - | - | - | 9578-2124 | DEAD LEVER R.H. #24 B.B. | 14 |
| 1 | A/R | - | - | - | 9548-2624 | LIVE LEVER R.H. #24 B.B. | 13 |
| 1 | - | A/R | - | - | 9578-1124 | DEAD LEVER L.H. #24 B.B. | 12 |
| 1 | - | A/R | - | - | 9548-1624 | LIVE LEVER L.H. #24 B.B. | 11 |
| 1 | - | - | A/R | - | 9578-21 | DEAD LEVER R.H. #18 B.B. | 10 |
| 1 | - | - | A/R | - | 9548-26 | LIVE LEVER R.H. #18 B.B. | 9 |
| 1 | - | - | - | A/R | 9578-11 | DEAD LEVER L.H. #18 B.B. | 8 |
| 1 | - | - | - | A/R | 9548-16 | LIVE LEVER L.H. #18 B.B. | 7 |
| | 1 | - | 1 | - | 7100-26R | SLACK ADJUSTER (DOUBLE ACTING), R.H. | 6 |
| | - | 1 | - | 1 | 7100-26 | SLACK ADJUSTER (DOUBLE ACTING), L.H. | 5 |
| | 1 | - | 1 | - | 34025-2 | DEAD LEVER BRACKET, R.H. | 4 |
| | - | 1 | - | 1 | 34025 | DEAD LEVER BRACKET, L.H. | 3 |
| | 1 | - | 1 | - | 31155-2 | BOLSTER SADDLE AND CYLINDER ASSY, R.H. | 2 |
| | - | 1 | - | 1 | 31155-1 | BOLSTER SADDLE AND CYLINDER ASSY, L.H. | 1 |
| 4 | X | - | - | - | TMB-901-R24 | 100 TMB ASSEMBLY, #24 B.B., R.H. | - |
| 4 | - | X | - | - | TMB-901-L24 | 100 TMB ASSEMBLY, #24 B.B., L.H. | - |
| 3 | - | - | X | - | TMB-901-R18 | 100 TMB ASSEMBLY, #18 B.B., R.H. | - |
| 3 | - | - | - | X | TMB-901-L18 | 100 TMB ASSEMBLY, #18 B.B., L.H. | - |

EST WT: 280 LBS
PER TRUCK MOUNTED BRAKE
WITH HANDBRAKE LEVER
(LESS BRAKE BEAMS, SHOES,
KEYS AND CYLINDER HOSE)

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ELLCON NATIONAL
50 BEECHTREE BLVD. GREENVILLE, S.C. 29605

# 100 TON ASSEMBLY
# 3 RD LEVER SERIES 8500
# TRUCK MOUNTED BRAKE

| SCALE | 2"=1'- 0" | DATE | 7/25/02 | REV. |
|---|---|---|---|---|
| DRAWN | PS | TMB-901 | | A |
| CHECKED | P.SOPT | | | |