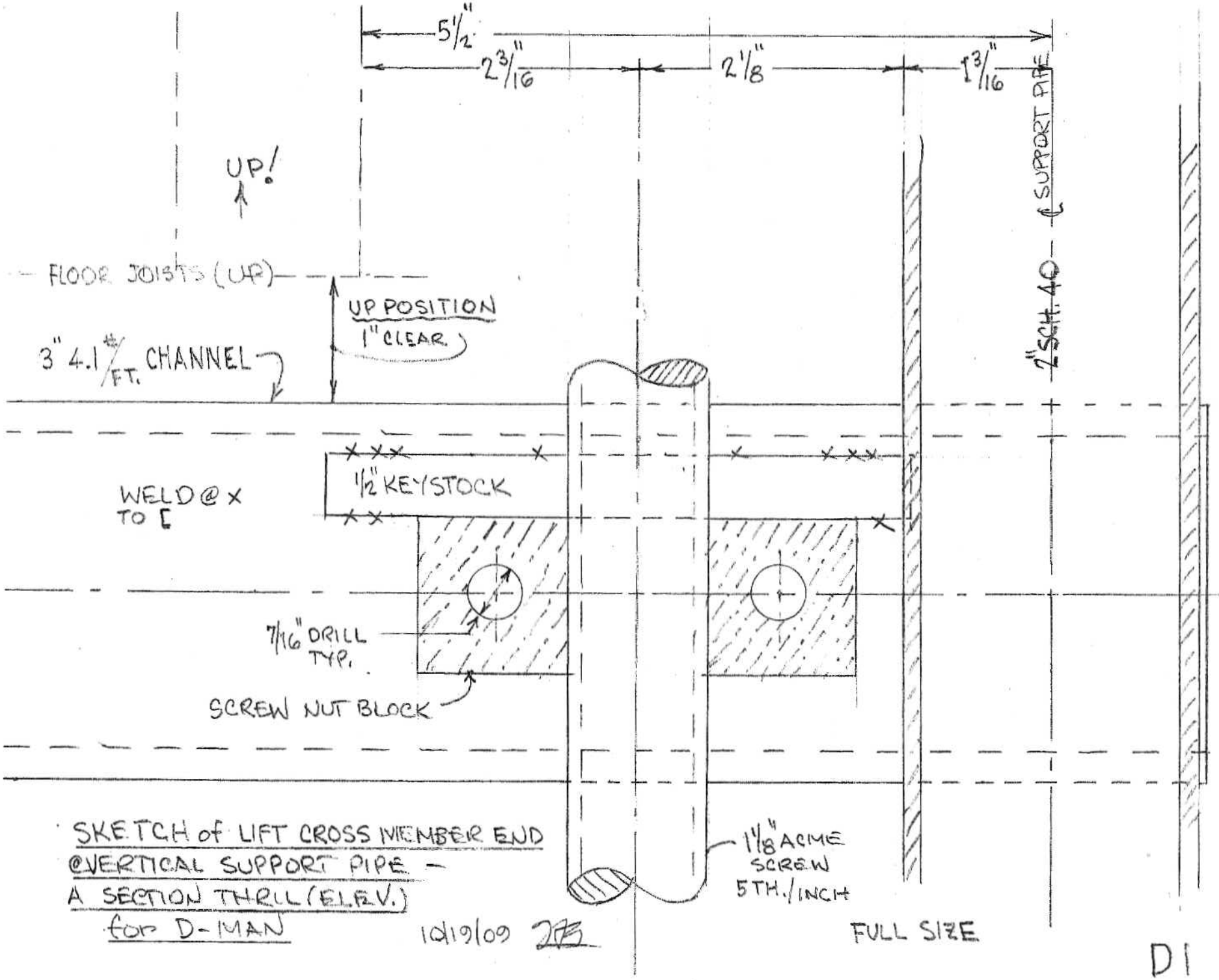
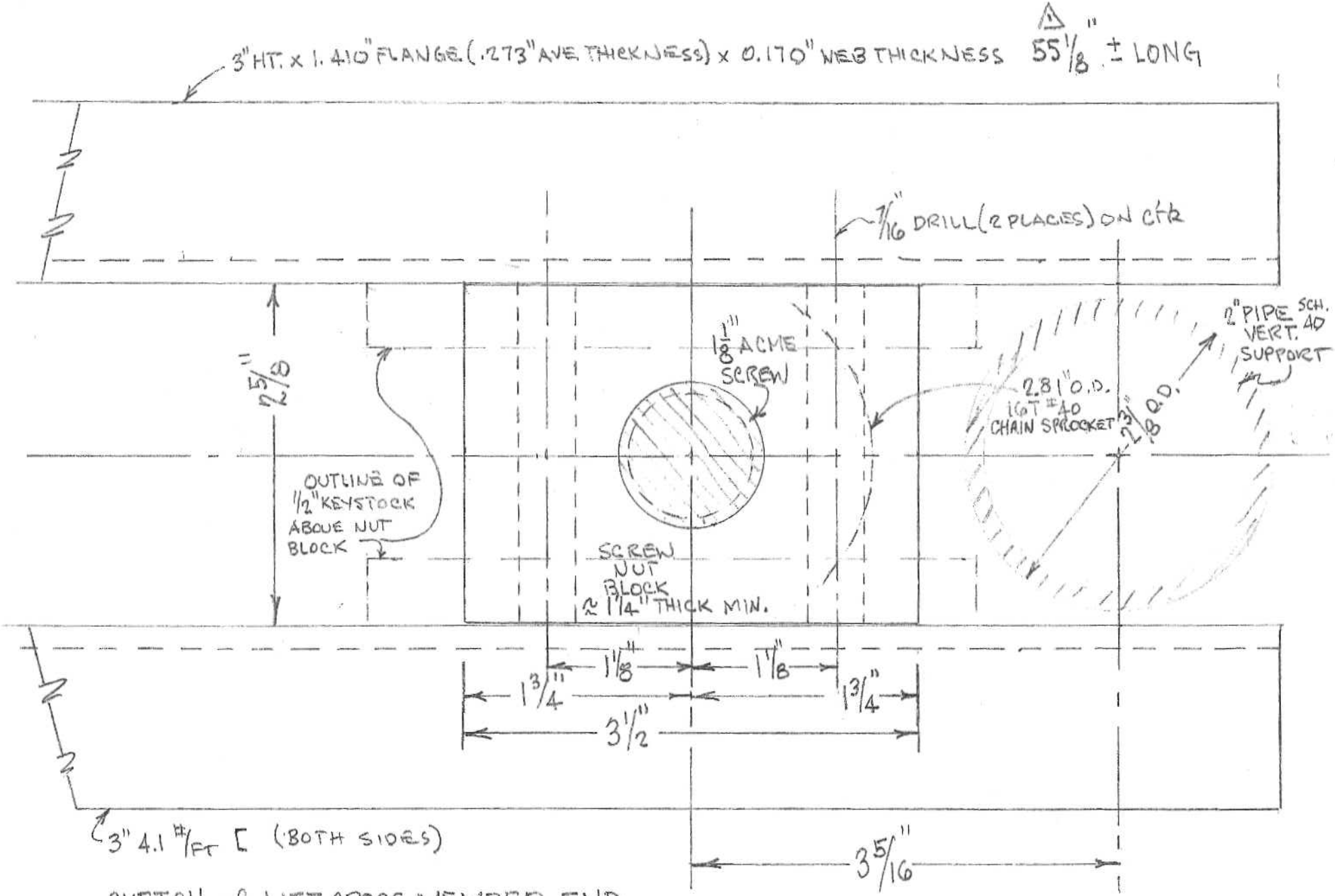


SKETCH of LIFT CROSS MEMBER END @VERTICAL SUPPORT PIPE — A SECTION THRU (ELEV.) for D-MAN

10/19/09 JS

D1



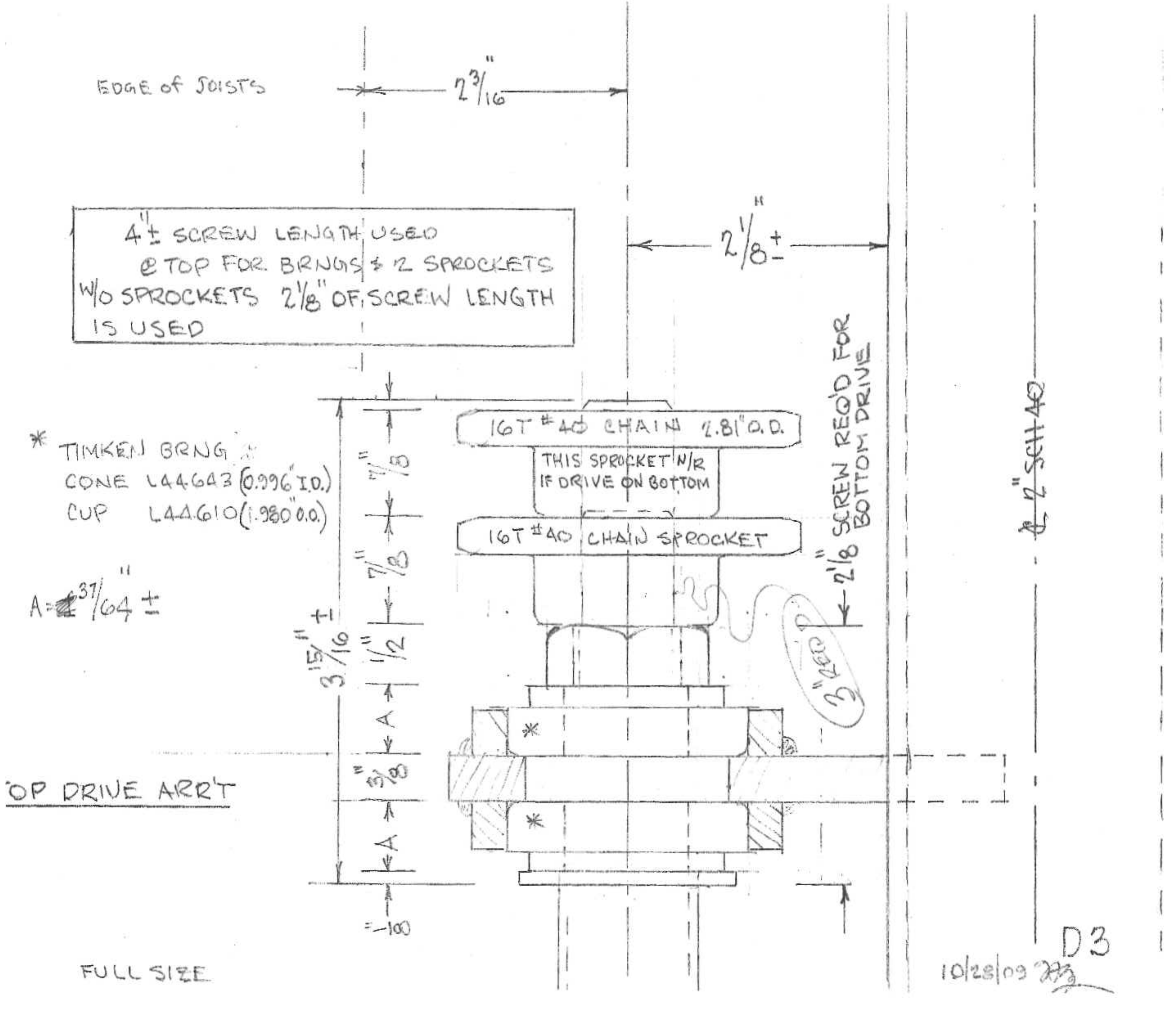
SKETCH of LIFT CROSS MEMBER END AT VERTICAL SUPPORT PIPE PLAN VIEW for D-MAX

10/19/09

1 REVISED LENGTH 11/19/09

FULL SIZE

D2


EDGE of JOISTS
2 3/16"
4"± SCREW LENGTH USED @ TOP FOR BRNGS & 2 SPROCKETS W/O SPROCKETS 2 1/8" OF SCREW LENGTH IS USED
2 1/8"±
* TIMKEN BRNG
CONE L44643 (0.996" I.D.)
CUP L44610 (1.980" O.D.)
A = 37/64"±
16T #40 CHAIN 2.81" O.D.
THIS SPROCKET N/R IF DRIVE ON BOTTOM
16T #40 CHAIN SPROCKET
7/8"
7/8"
1/2"
A
3/8"
A
1/8"
3 15/16"±
2 1/8" SCREW REQ'D FOR BOTTOM DRIVE
3" REQ'D
℄ 2" SCH 40
OP DRIVE ARR'T
FULL SIZE
D3
10/28/09

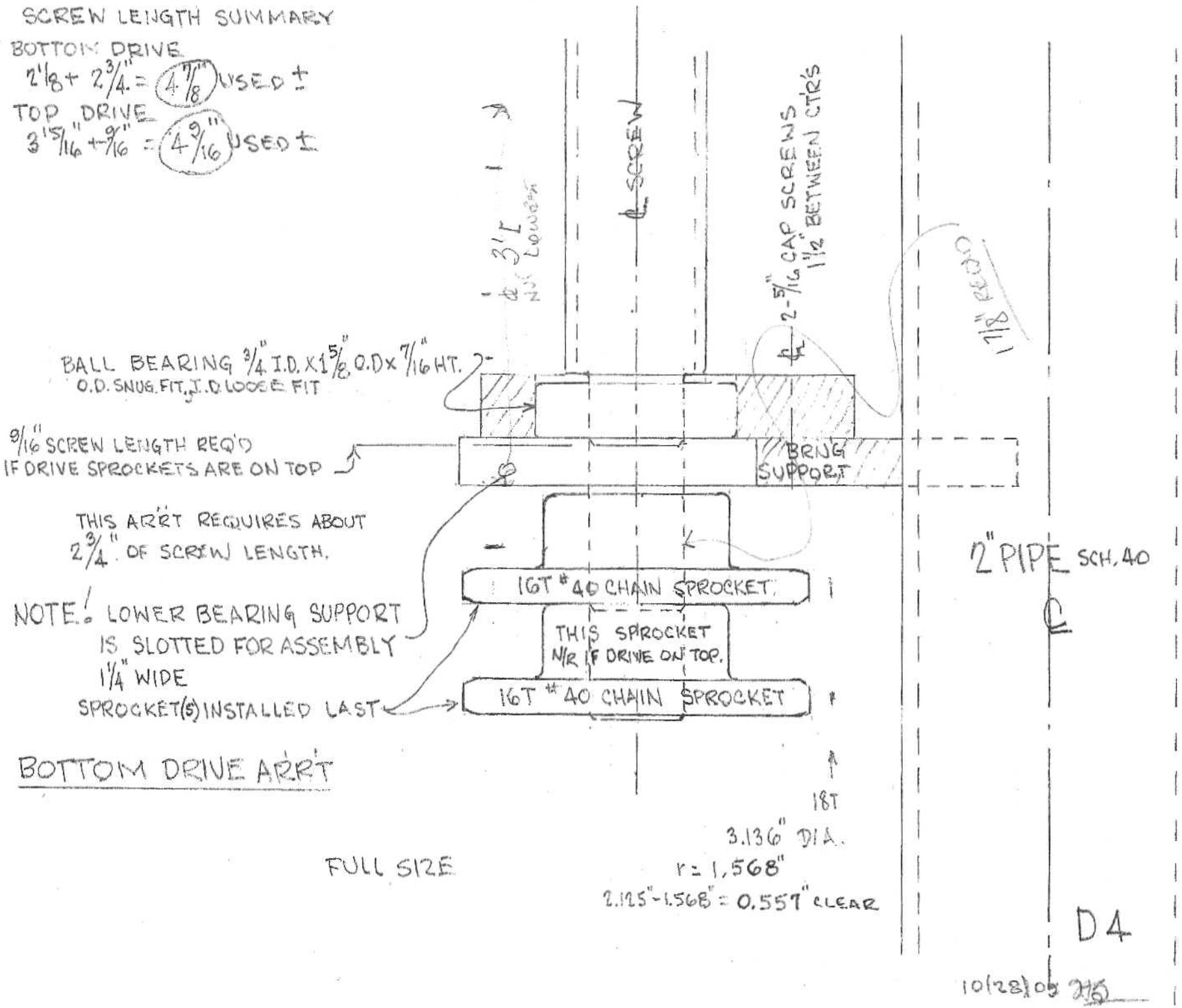
SCREW LENGTH SUMMARY

BOTTOM DRIVE

$2\frac{1}{8} + 2\frac{3}{4} = (4\frac{7}{8})$ USED ±

TOP DRIVE

$3\frac{15}{16} + \frac{9}{16} = (4\frac{9}{16})$ USED ±

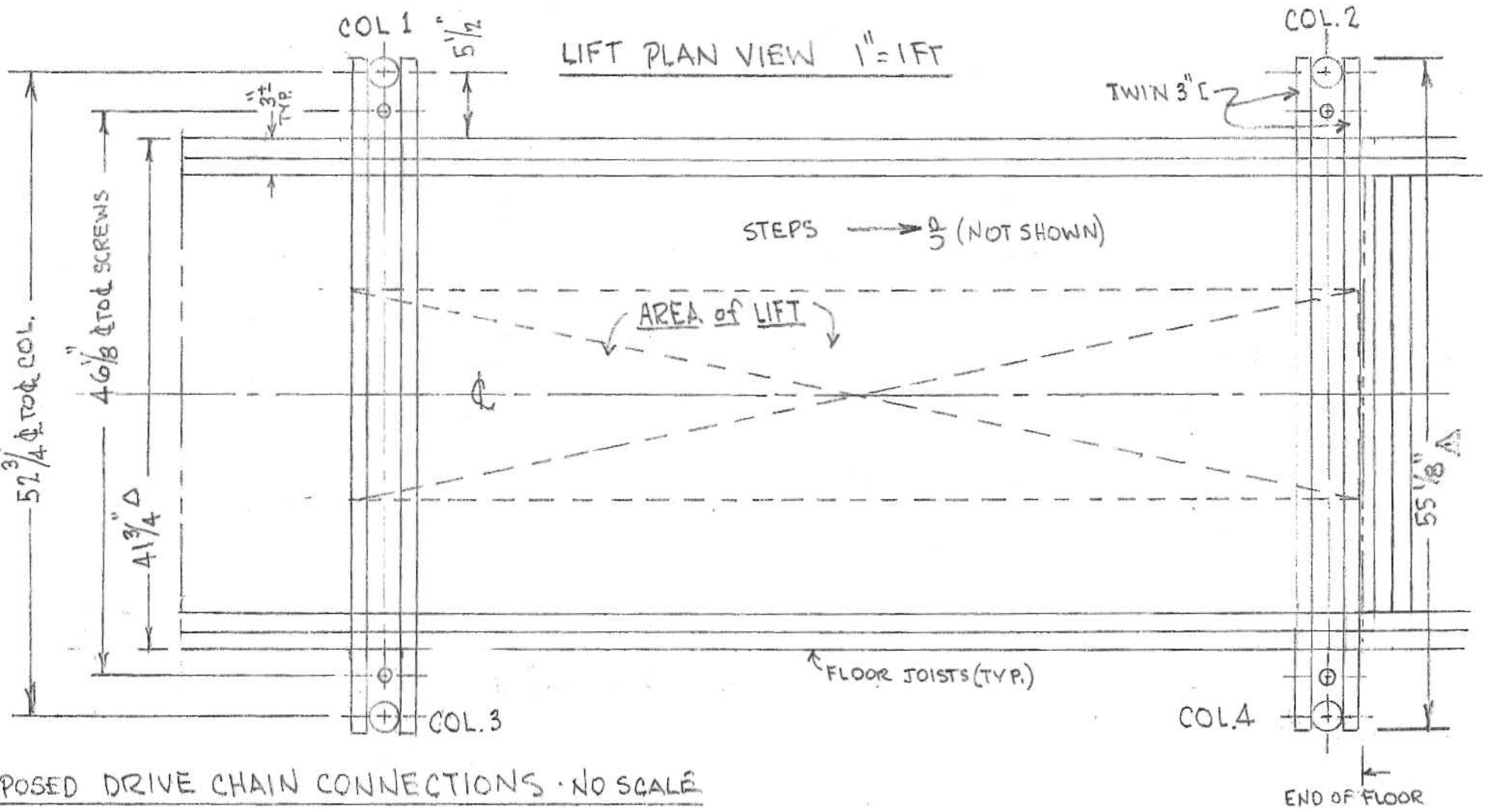


BOTTOM DRIVE ARR'T

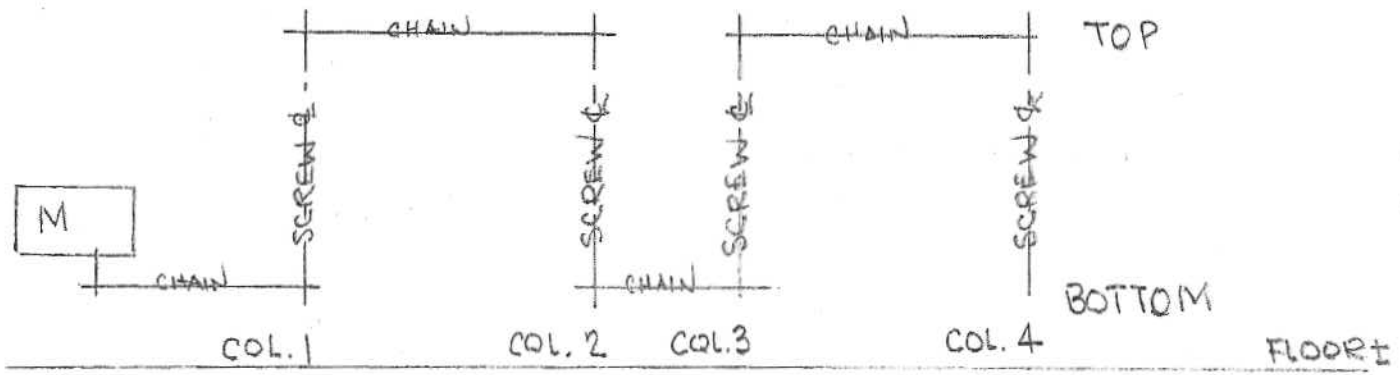
FULL SIZE

D4

10/28/05 JH



PROPOSED DRIVE CHAIN CONNECTIONS · NO SCALE



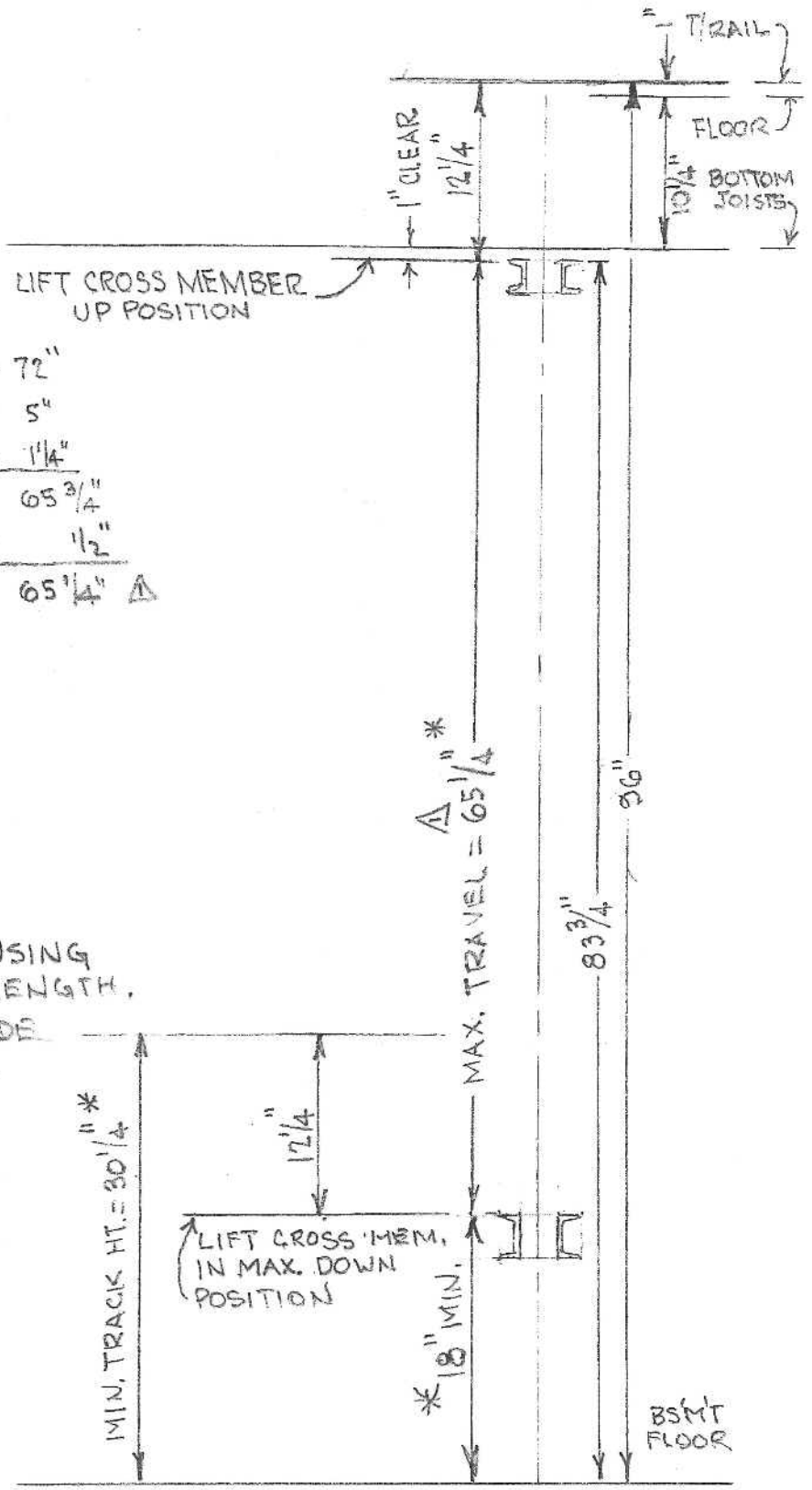
Δ PER D-MAN 9/20/09
Δ ADDED DIMENSION

D5
10/28/09

DIMENSION SHEET & DATA

MOTOR GEARBOX:
1/2 H.P. 38 R.P.M.
610 IN. LB. RATED TORQUE (50.83 FT.-LB.)

5TH./INCH 1:1 DRIVE RATIO
IS 7.6"/1 MINUTE OR
8.65' 1 MIN FOR TOTAL LIFT.



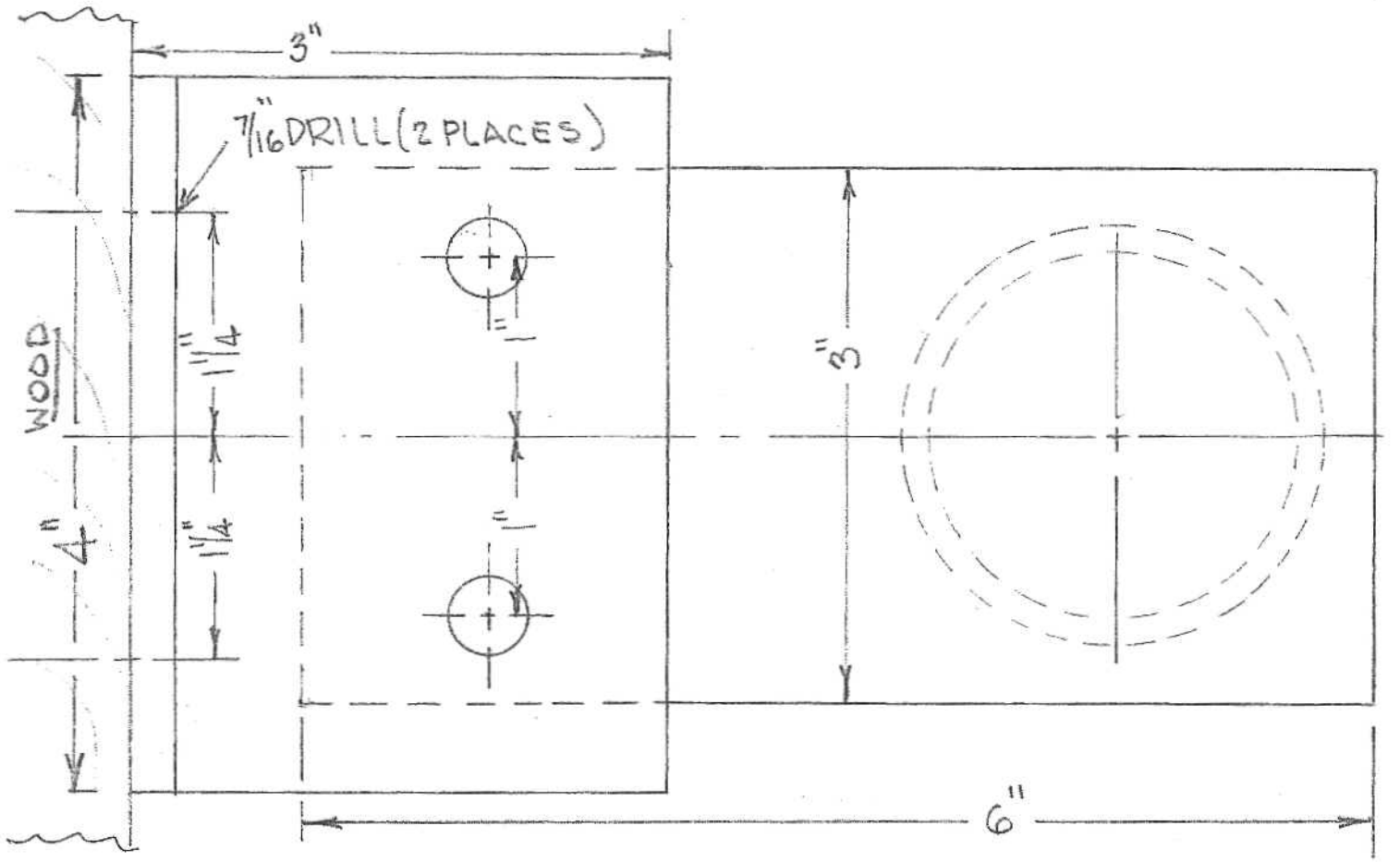
SCREW LENGTH = 72"
- 5" FOR SUPPORT ASSYS - 5"
- 1 1/4" NUT - 1 1/4"
MAX. LIFT AVAIL = 65 3/4"
MINUS KEYSTOCK - 1/2"
NEW MAX. LIFT AVAIL. 65 1/4" ⚠

NOTE!

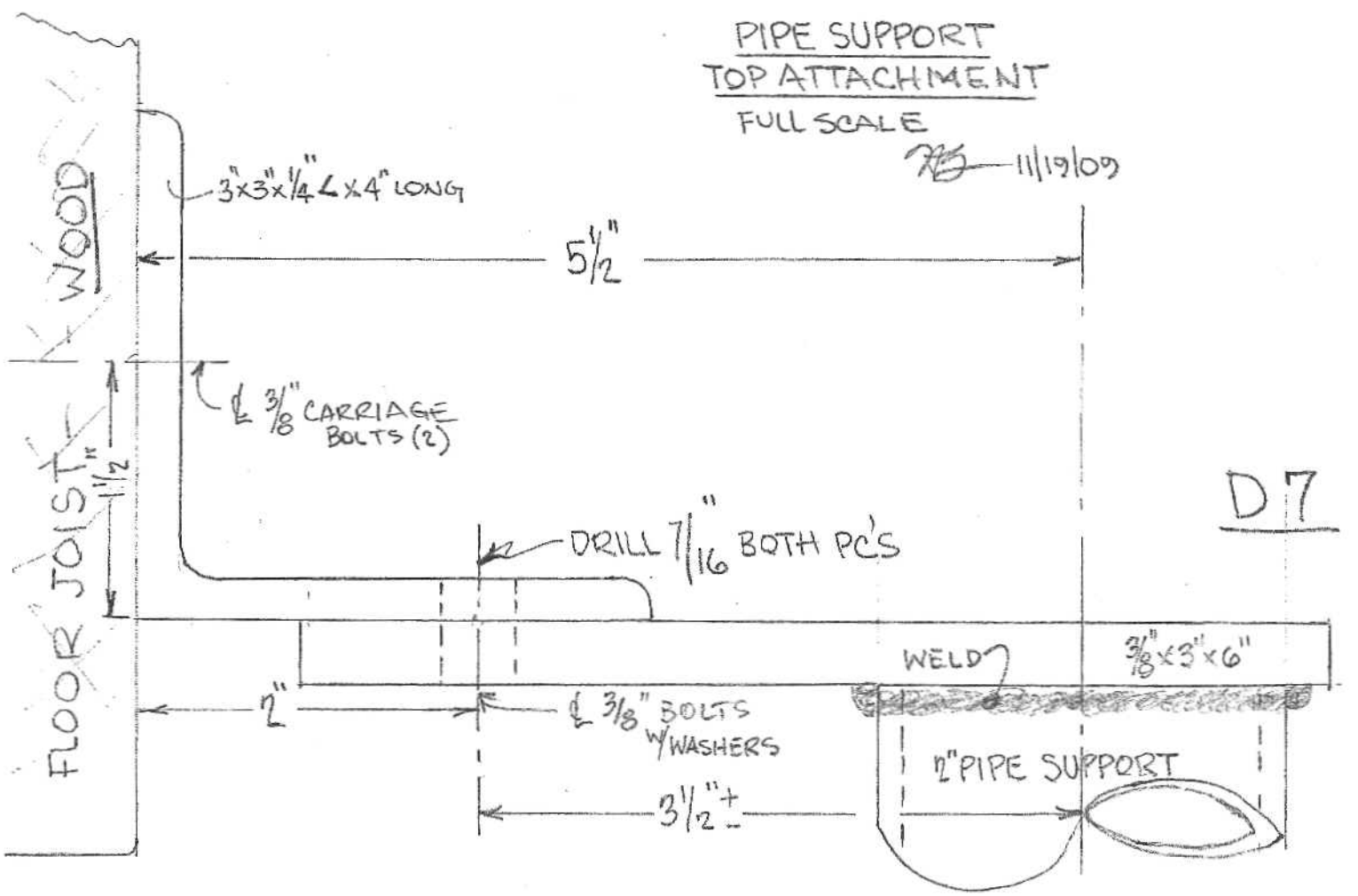
* THESE DIMENSIONS ARE USING ALL AVAILABLE SCREW LENGTH. ALLOWANCES MUST BE MADE TO PROVENT OVERTRAVEL WHICH WILL REDUCE AVAILABLE LIFT HT.

⚠ REVISED MAX. LIFT

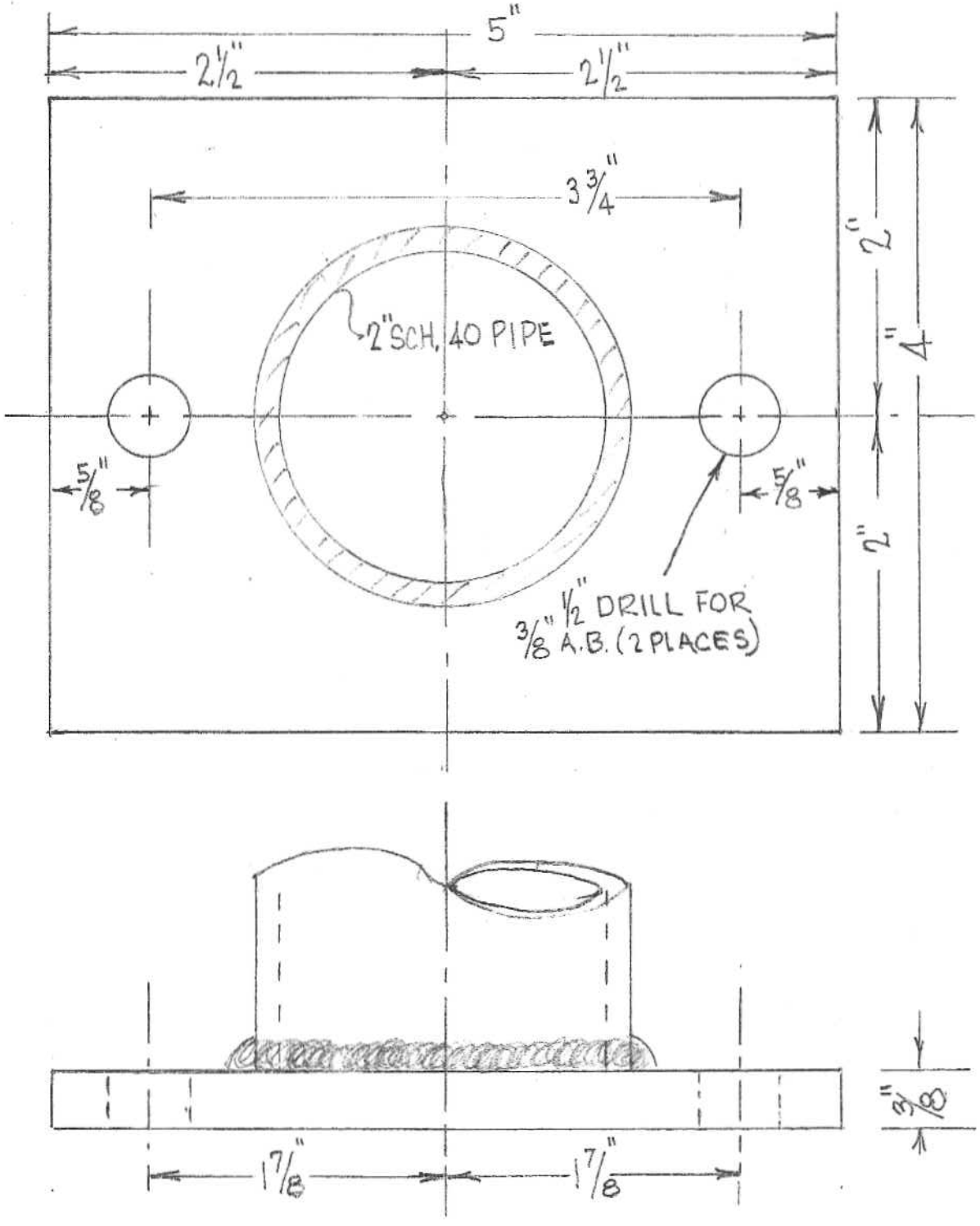
D6 10/30/09



PIPE SUPPORT
TOP ATTACHMENT
FULL SCALE
11/19/09



D7



NOTE!
USE 3/16 THICK WASHERS
UNDER A.B. NUTS

FULL SCALE

SUPPORT PIPE
BASE PLATE

11/19/09 D8