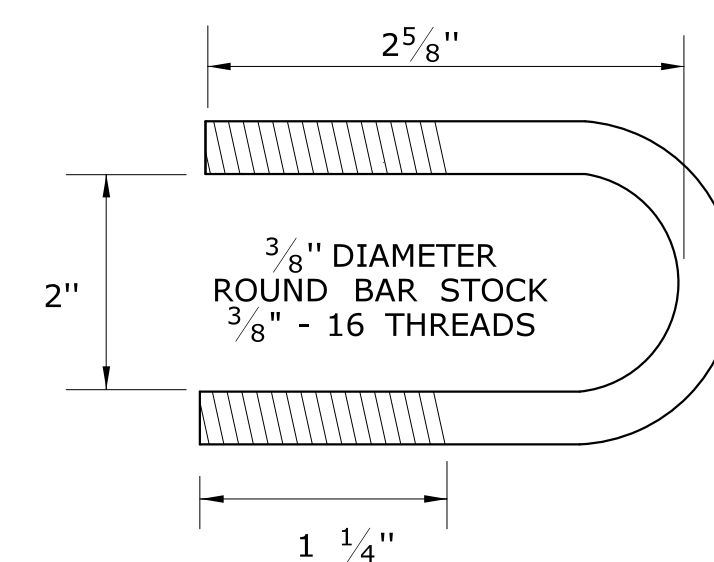
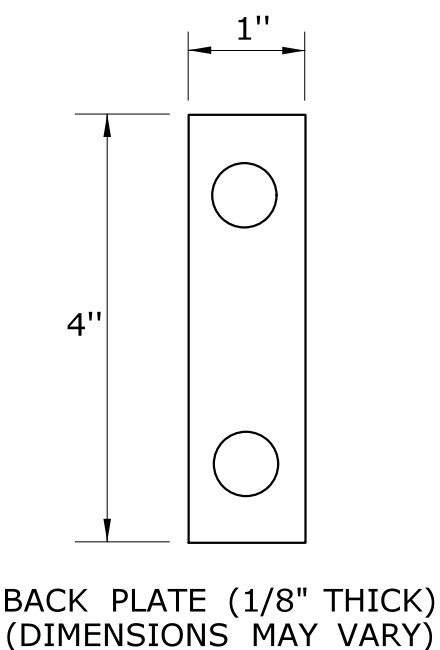


2 - 1" DIAMETER HOLES
(8" FROM TOP AND 8" BOTTOM OF CYLINDER)

STIFFENERS:
CYLINDER 1 SHALL BE EQUIPPED WITH 1/2" DIAMETER STEEL TENSION RODS AS SHOWN ON SHEET 1804-B1. CYLINDERS 5 THROUGH 7 SHALL BE PROVIDED WITH A 1-1/2" ID SCHEDULE 40 STEEL COMPRESSION PIPE AS SHOWN ON SHEET 1804 - B2. THE FIXED END OF THE PIPE SHALL HAVE A 1/2" x 1/2" V - NOTCH CUT AS SHOWN FOR VENTING, AND SHALL BE WELDED TO THE BACK-UP PLATE ON THE INSIDE OF THE CYLINDER. THE OTHER END SHALL NOT BE WELDED AND SHALL REST ON THE 1" x 2" PIPE SUPPORT AS SHOWN IN DETAIL B AND SECTION D-D ON SHEET 1804 - B2. CYLINDER 8 SHALL BE EQUIPPED WITH TWO (2) 1-1/2" ID SCHEDULE 40 STEEL COMPRESSION PIPES, EACH WITH TWO (2) 1/2" x 1/2" V-NOTCHES CUT IN OPPOSING SIDES AND ENDS AS SHOWN FOR VENTING.

CONNECTIONS:
ALL CYLINDERS SHALL BE CONNECTED TO EACH OTHER WITH TWO (2) 2" - LONG x 7/8" - DIAMETER HEAVY HEX HEAD HIGH STRENGTH BOLTS CONFORMING TO ASTM A325 TYPE 1. EACH BOLT SHALL BE PROVIDED WITH TWO (2) WASHERS CONFORMING TO ASTM F436 AND ONE (1) HEAVY HEX NUT CONFORMING TO ASTM A563 GRADE DH. ALL NUTS, BOLTS, AND WASHERS SHALL BE MECHANICALLY DEPOSITED IN ACCORDANCE WITH ASTM B695, CLASS 50 TYPE 1. EACH CYLINDER SHALL HAVE 1" DIAMETER HOLES DRILLED 8" FROM THE TOP AND BOTTOM OF THE CYLINDER WHERE THEY TOUCH EACH OTHER ALONG THE LONGITUDINAL CENTERLINE OF THE SYSTEM. THE REAR OF CYLINDER 8 SHALL HAVE FOUR (4) 1" - DIAMETER HOLES DRILLED AS SHOWN IN SECTION E-E ON SHEET 1804-B2. ALL CYLINDER CONNECTIONS SHALL BE POSITIONED TO PROVIDE THE PROPER ORIENTATION OF THE STIFFENERS AND OTHER CYLINDER APPURTENANCES AS SHOWN ON THE PLANS.



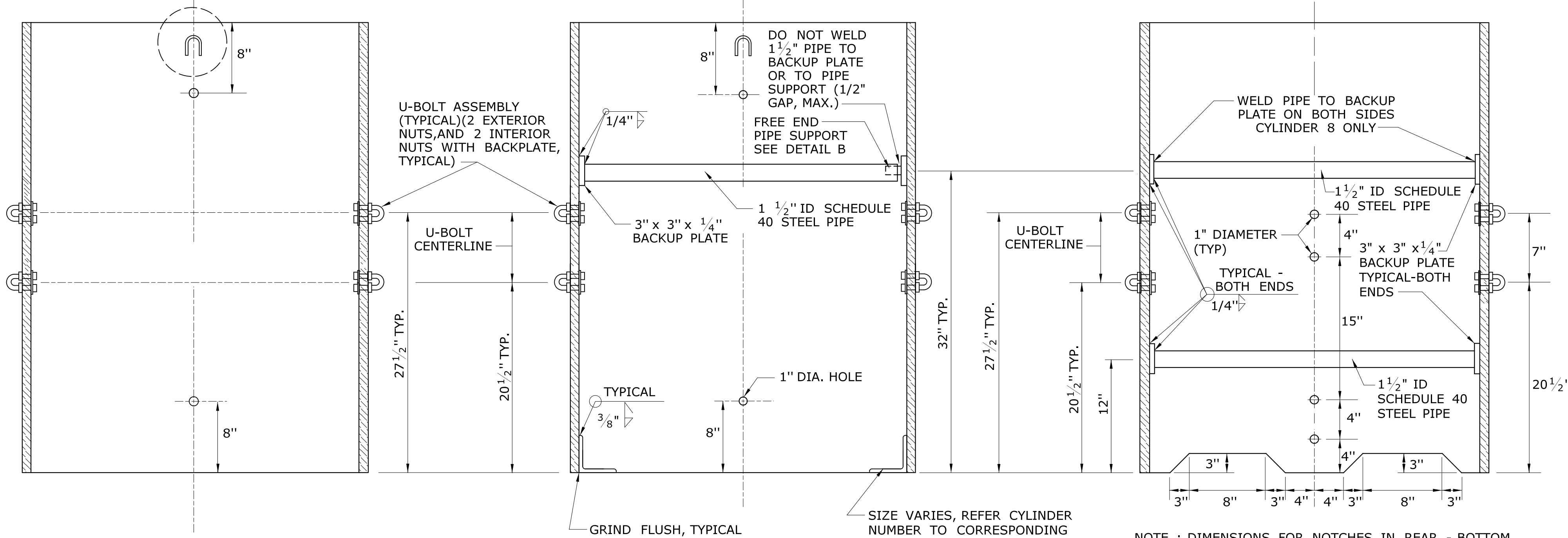
U-BOLT DETAIL

TYPICAL FOR CYLINDERS 2 - 8
(BACK PLATE AND 4 NUTS PER U-BOLT)

CYLINDER WALL THICKNESS SCHEDULE

CYL. NO.	THICKNESS
1	1/8"
2	3/16"
3	1/4"
4	1/4"
5	1/4"
6	5/16"
7	3/8"
8	1/4"

NOTE: ALL CYLINDERS ARE 48" LONG AND 36" OUTSIDE DIAMETER



**SECTION C-C
CYLINDERS 3 - 4**

(GALVANIZED)

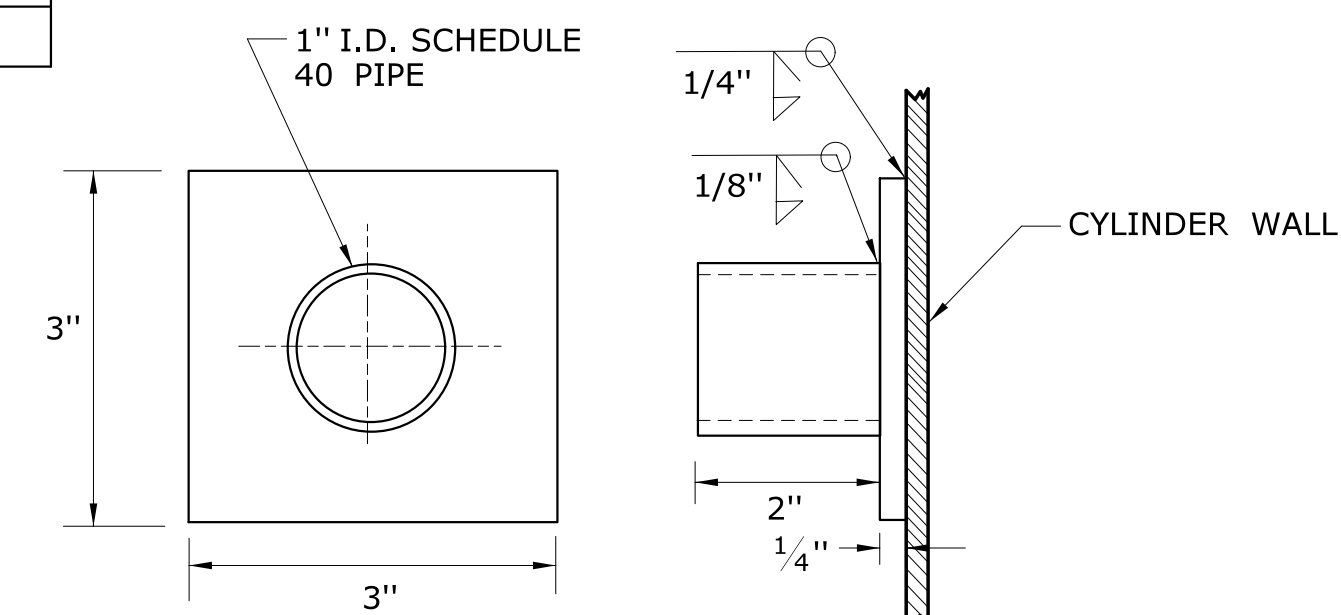
**SECTION D-D
CYLINDERS 5 - 7**

(GALVANIZED)

CYLINDER DIMENSIONS : 48" HIGH ; 36" DIAMETER ; 1/4" WALL THICKNESS; ASTM A36 STEEL PLATE
COATING : GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.

NCIAS - CYLINDER 8

(Revised Jan. 1999)



COMPRESSION PIPE SUPPORT
FREE END, 1 PER CYLINDER 5,6,7

DETAIL B

Revised 5/14/08

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/17/2013	DESIGNER/DRAFTER: -	CHECKED BY: -	SCALE AS NOTED	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>File name: ...Wclas2_2008.dgn</p>	<p>SIGNATURE/ BLOCK: -</p> <p>OFFICE OF ENGINEERING</p> <p>APPROVED BY: -</p> <p>DATE: -</p>	PROJECT TITLE: -	TOWN: -	PROJECT NO. -
								<p>DRAWING TITLE: MISCELLANEOUS CONNECTICUT DETAIL NCIAS CYLINDER FABRICATION DETAILS</p>		<p>DRAWING NO. 1804-B2</p> <p>SHEET NO. \$\$</p>		