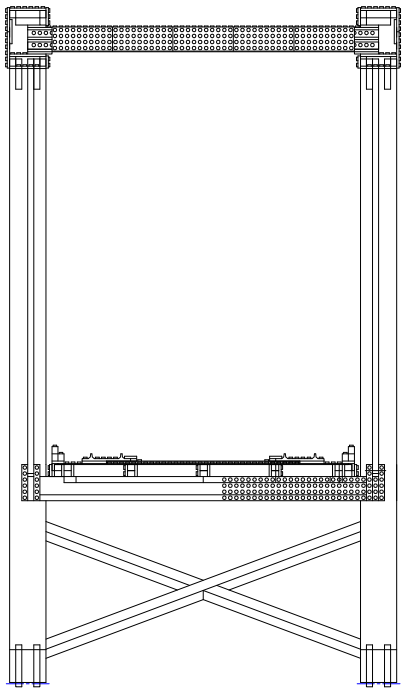
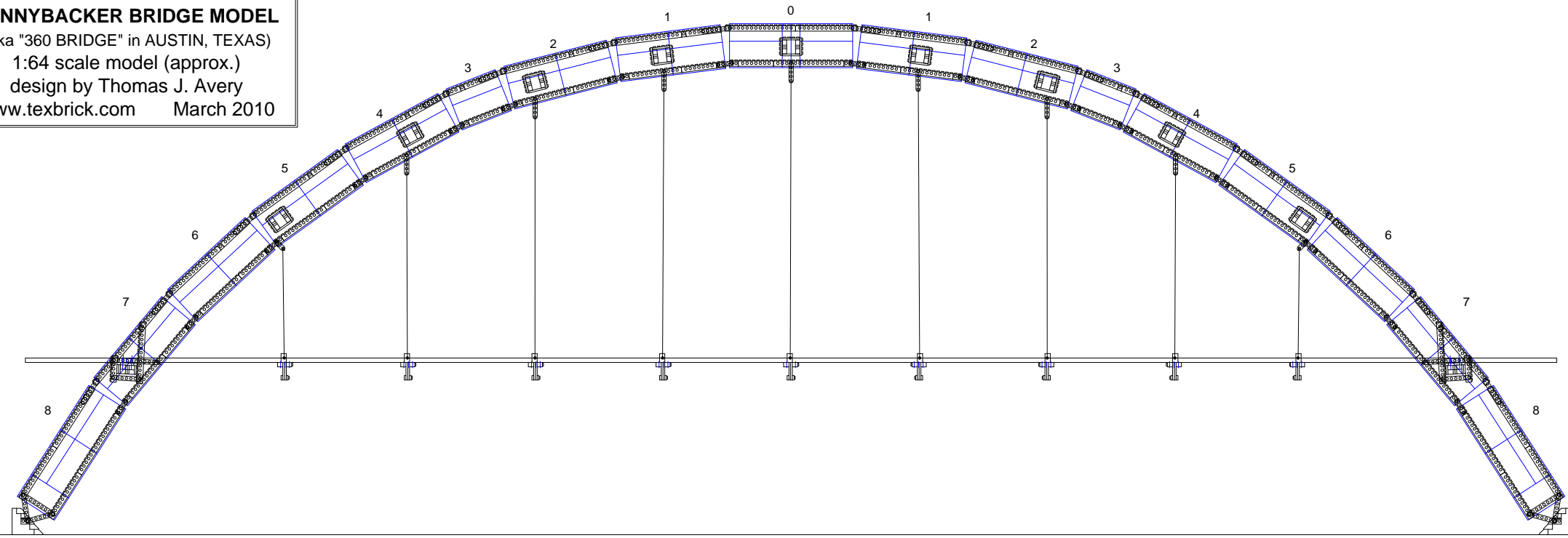
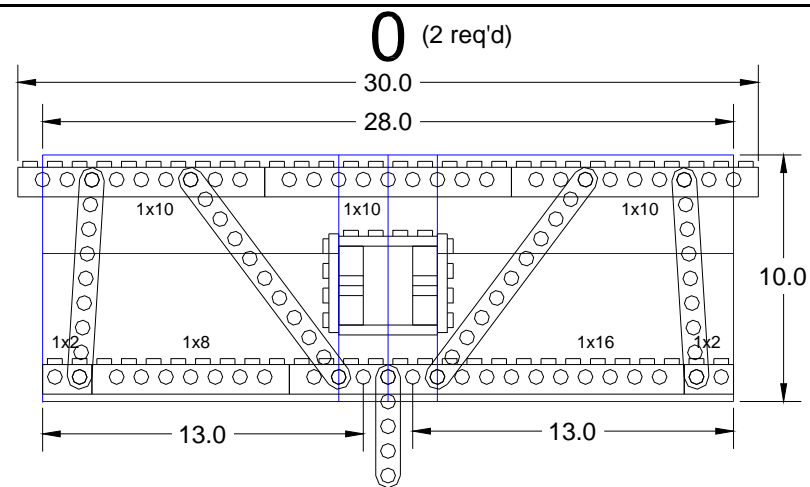
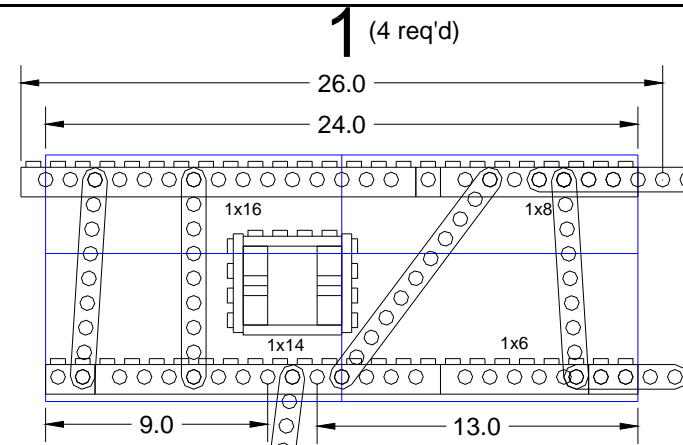


PENNYBACKER BRIDGE MODEL
(aka "360 BRIDGE" in AUSTIN, TEXAS)
1:64 scale model (approx.)
design by Thomas J. Avery
www.texbrick.com March 2010

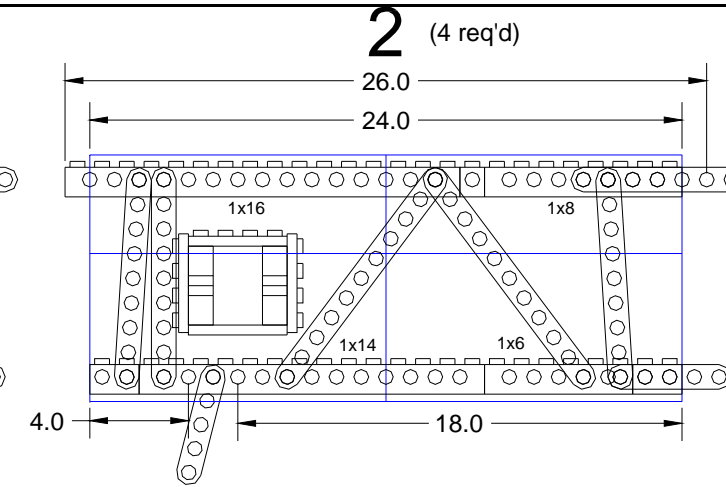




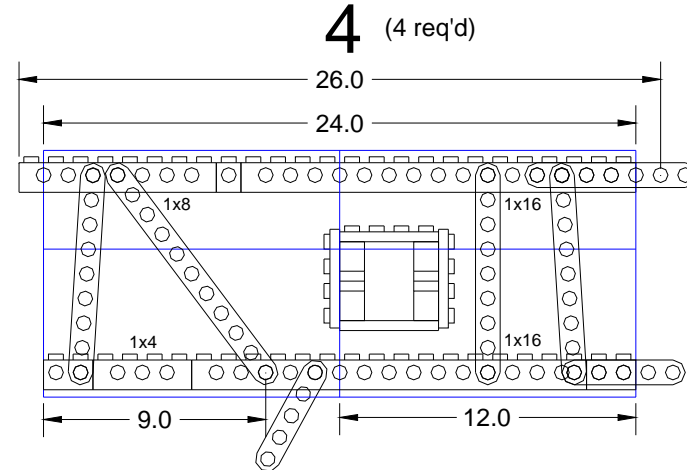
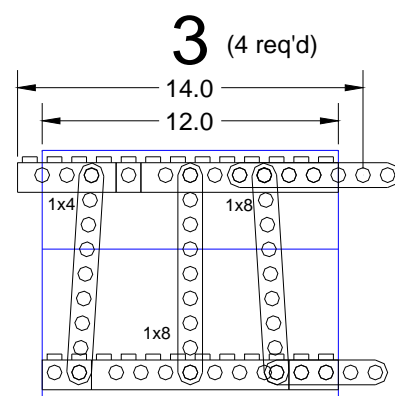
Back Cover = two 10x12 areas



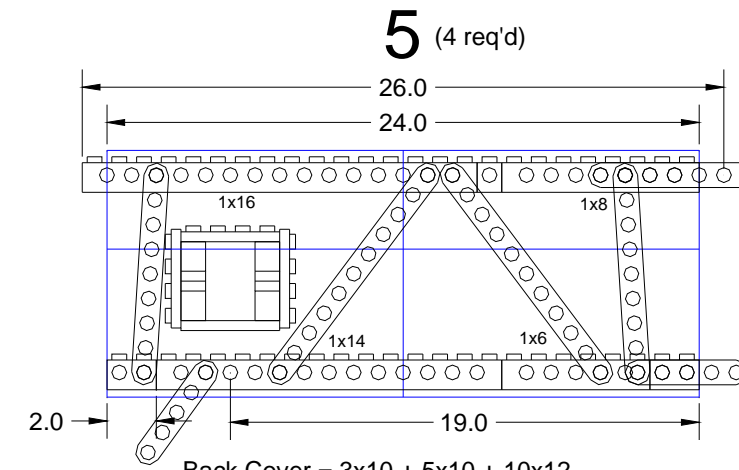
Back Cover = 10x12 + 8x10



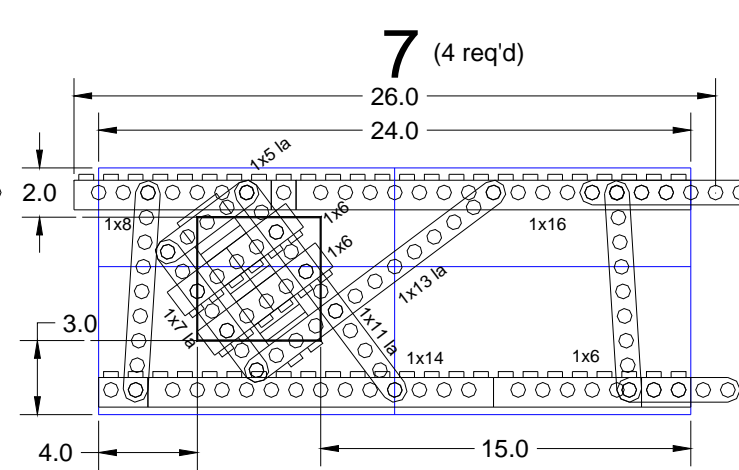
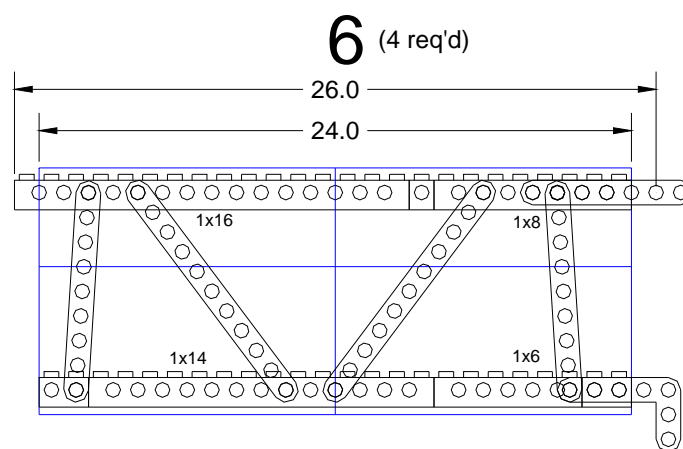
Back Cover = 10x12 + 4x10 + 4x10



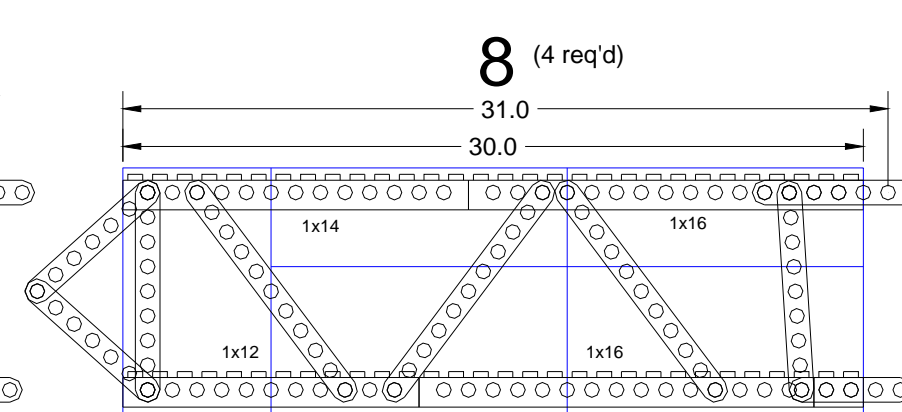
Back Cover = 10x12 + 8x10



Back Cover = 3x10 + 5x10 + 10x12

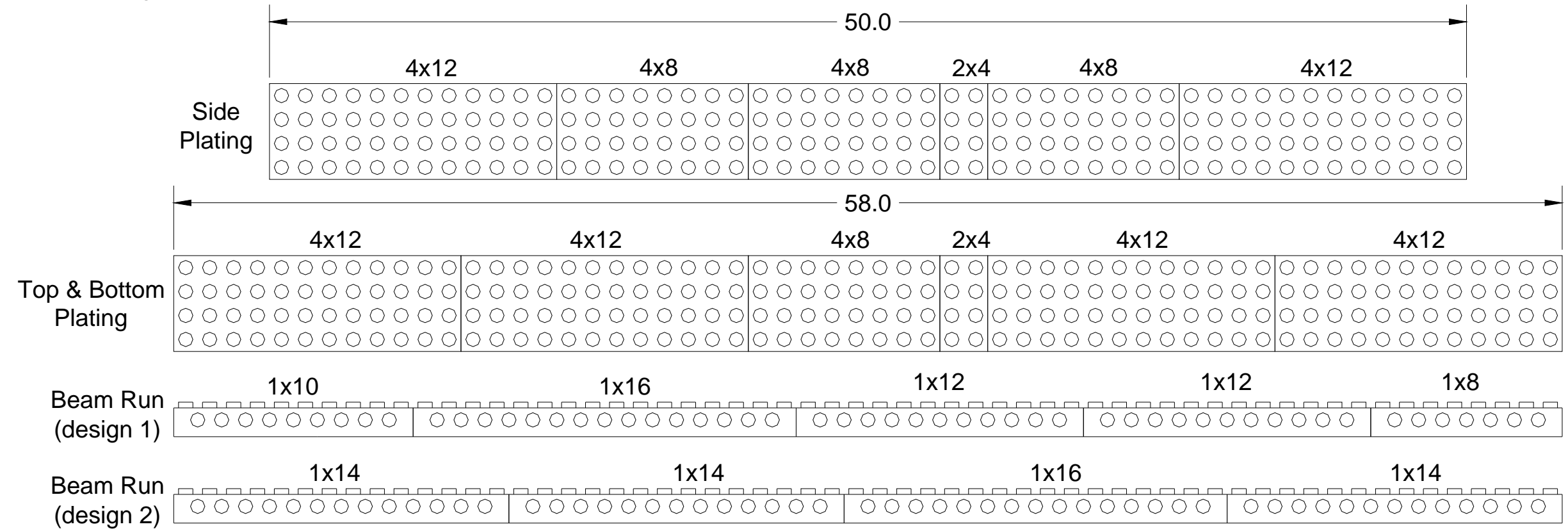
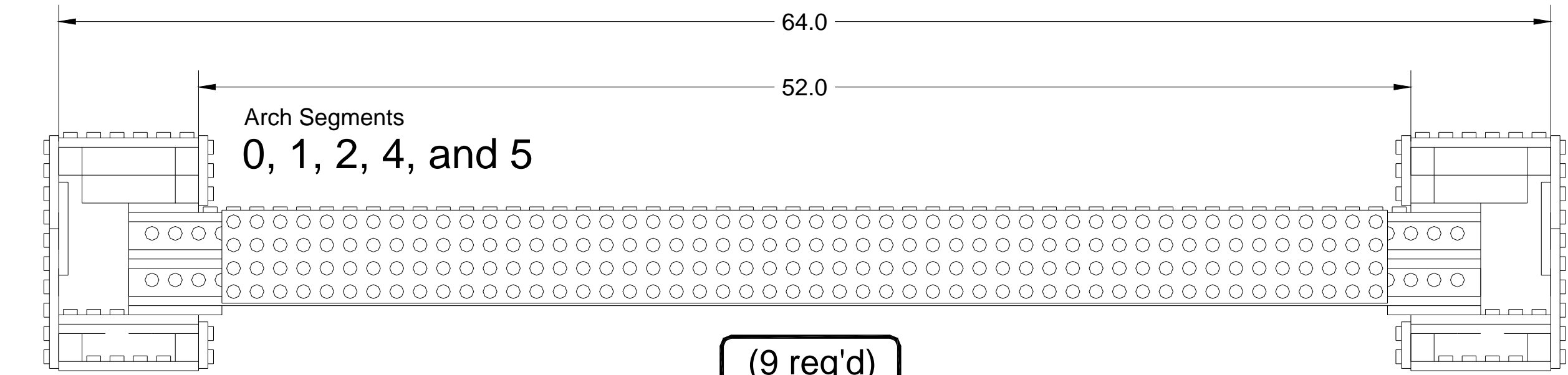


Back Cover = 4x10 + 4x10



Back Cover = 4x10 + 4x10

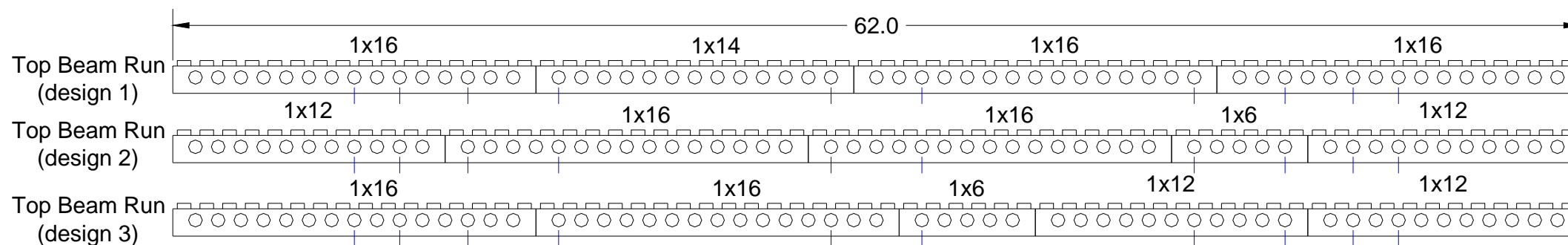
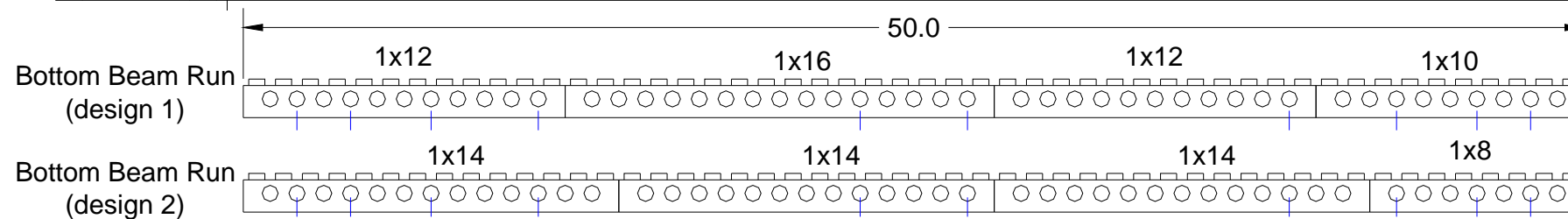
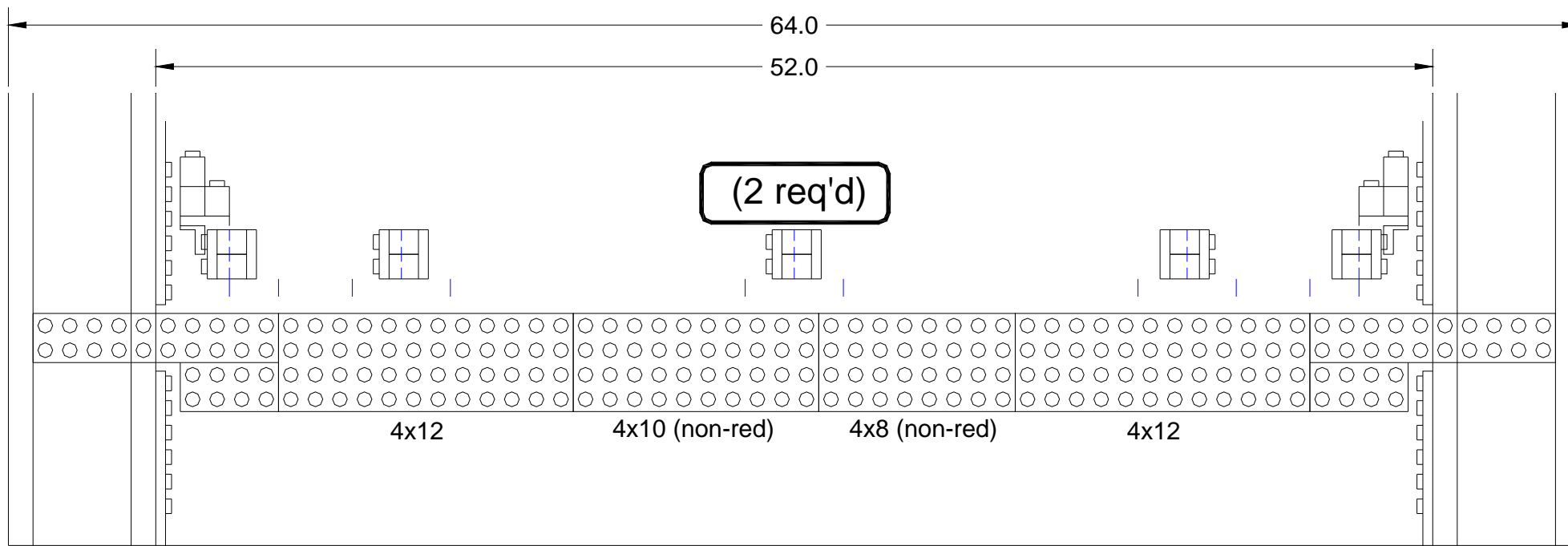
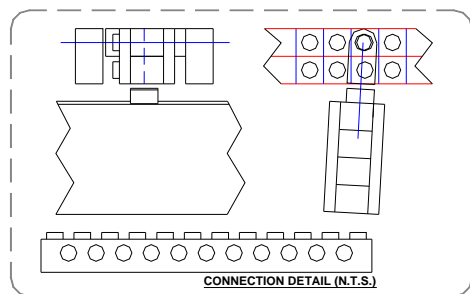
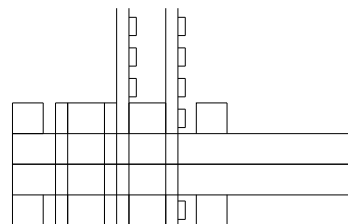
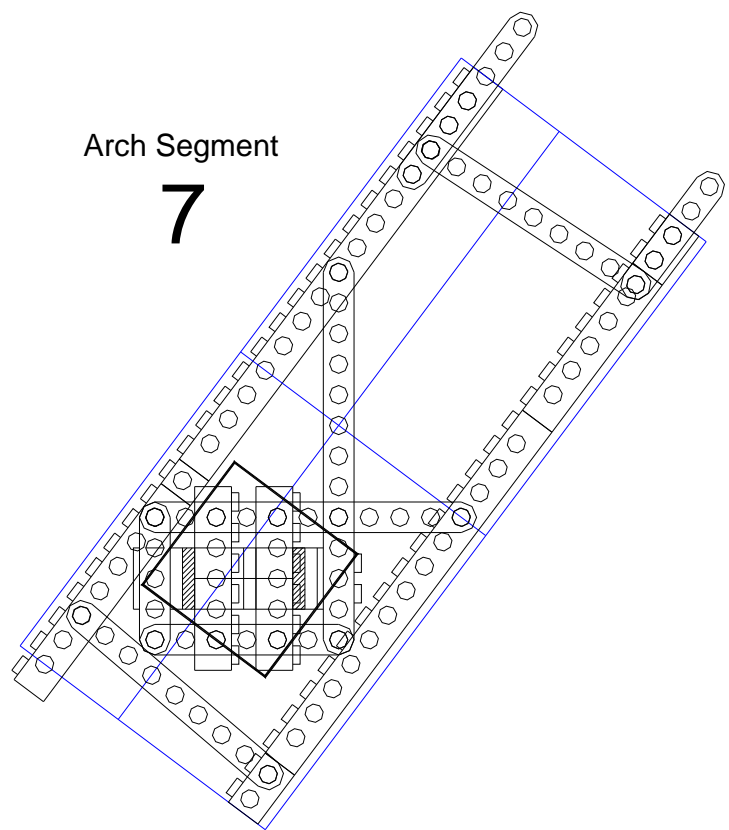
ARCH SEGMENTS - BOX GIRDERS



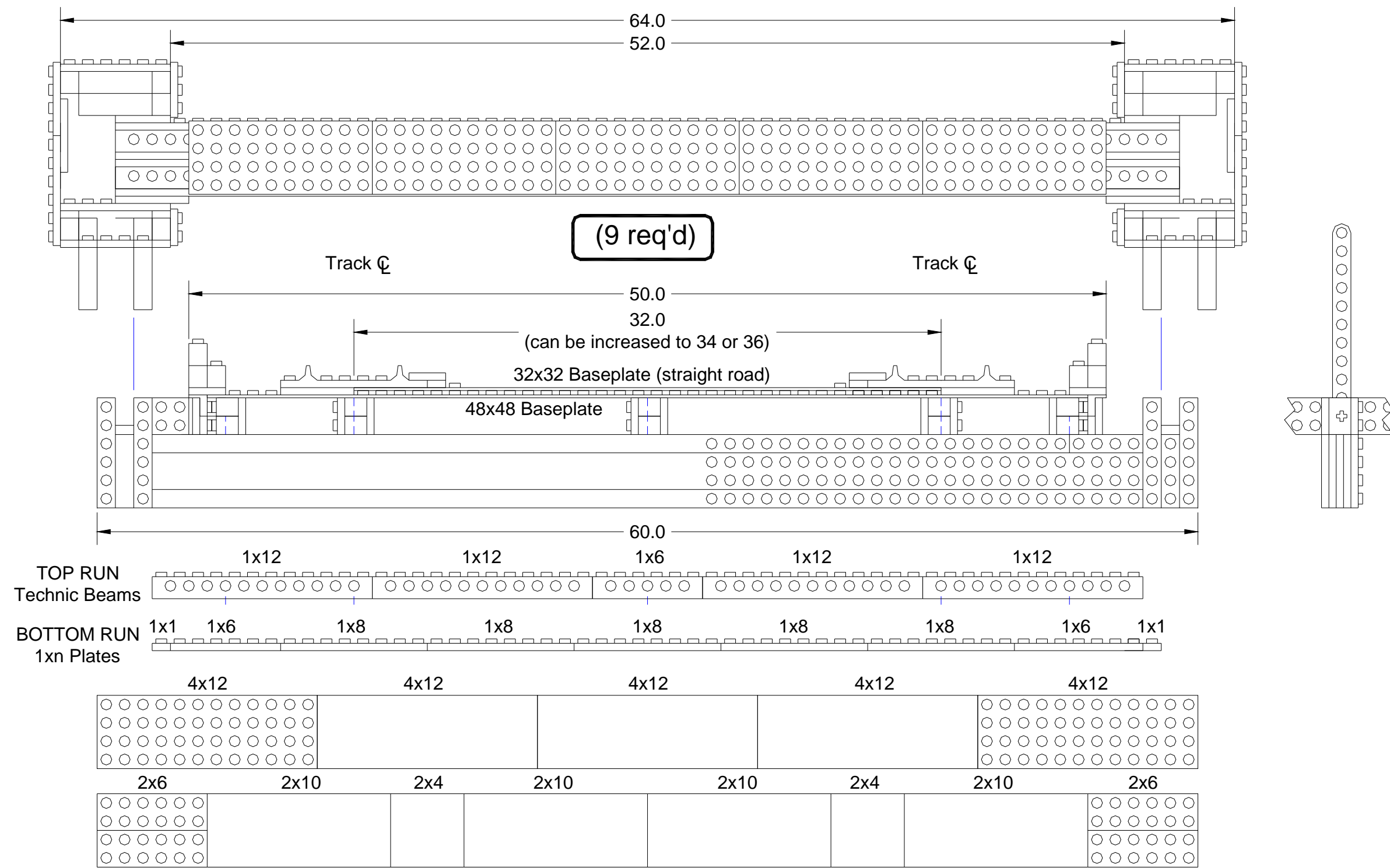
LATERAL ARCH BOX GIRDERS

Arch Segment

7



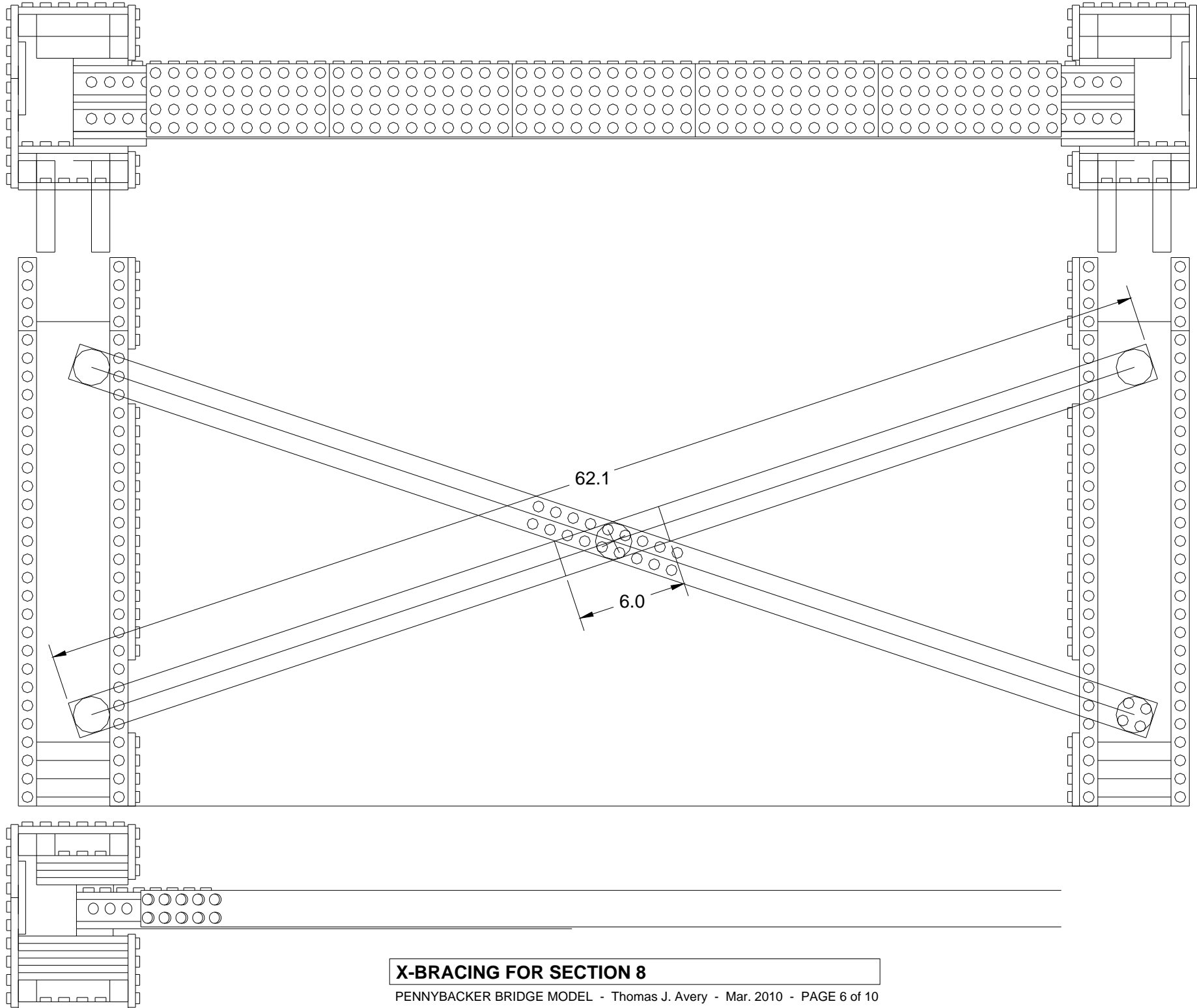
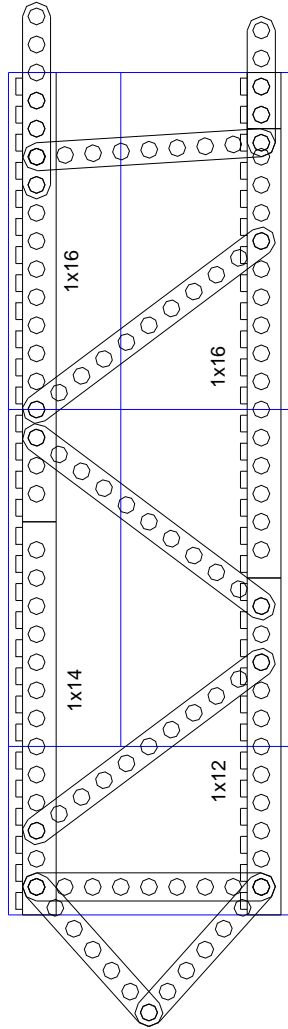
LATERAL ARCH GIRDER - SPECIAL UNDER-DECK SECT.



(9 req'd)

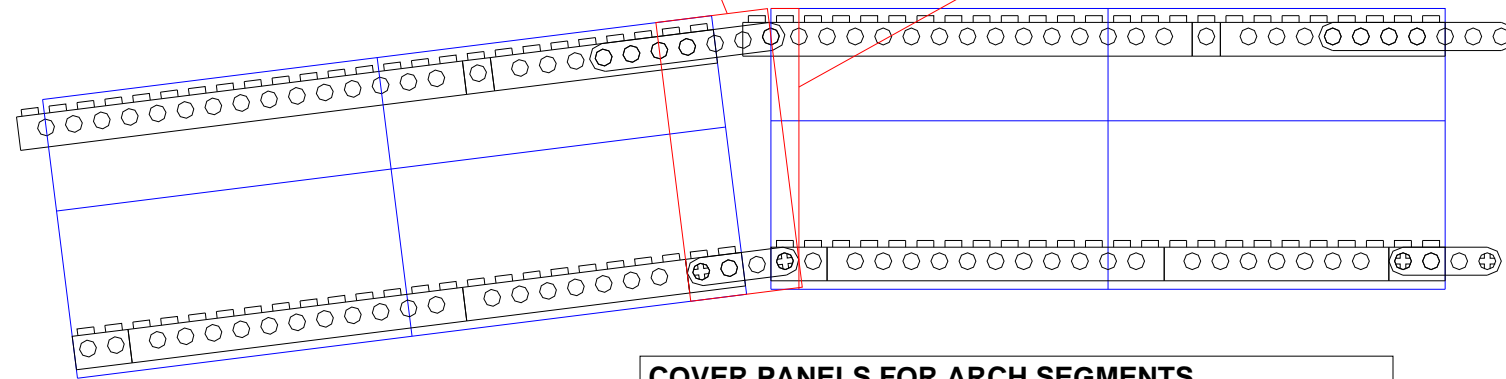
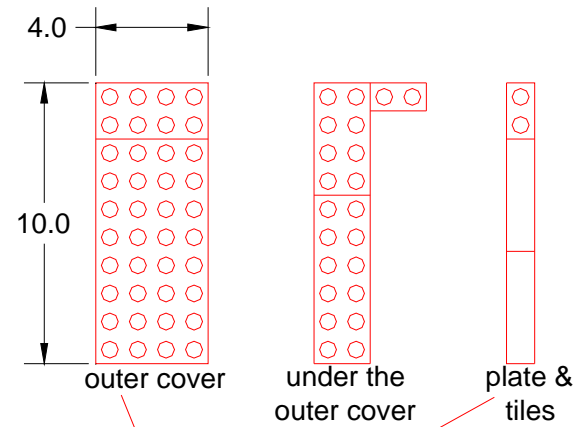
LATERAL DECK GIRDERS

8

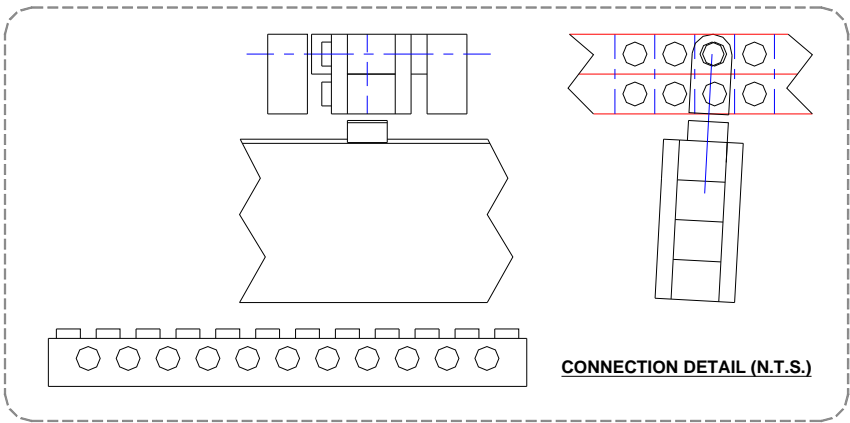
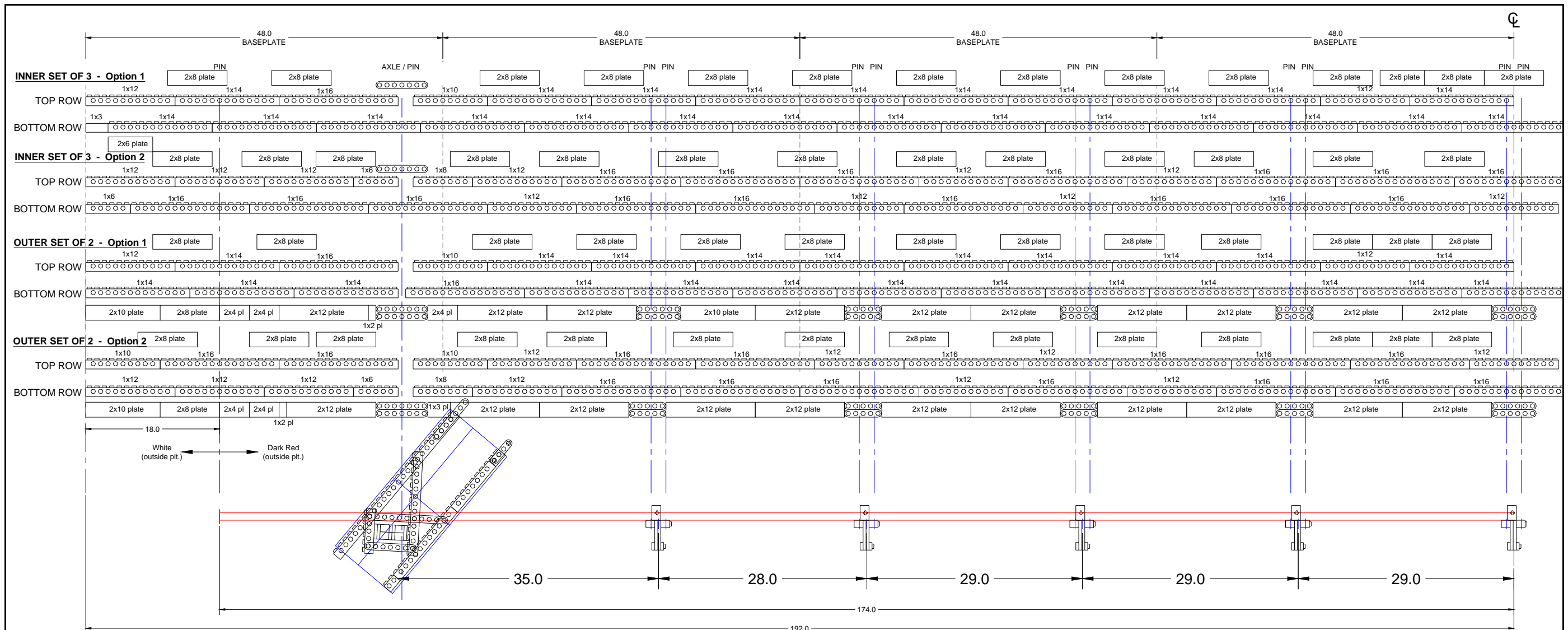


X-BRACING FOR SECTION 8

(64 req'd)



COVER PANELS FOR ARCH SEGMENTS



Technic Beams

	Inner Opt. 1	Inner Opt. 2	Outer Opt. 1	Outer Opt. 2
1x6	0	4	0	2
1x8	0	2	0	2
1x10	2	0	2	4
1x12	4	19	4	19
1x14	47	0	45	0
1x16	0	31	4	29
	3 Req'd		2 Req'd	

* Parts quantities reflect total run - i.e. girders are 384 studs long

Plates

Color		Inner Opt. 1	Inner Opt. 2	Outer Opt. 1	Outer Opt. 2
Any	2x6	4	4	0	0
	2x8	50	50	25	27
	2x10	0	0	0	0
Dk. Red	1x2			0	0
	2x3			0	2
	2x4			6	4
	2x10			2	0
White	2x12			20	22
	2x8			2	2
	2x10			2	2

* Parts quantities reflect total run - i.e. girders are 384 studs long

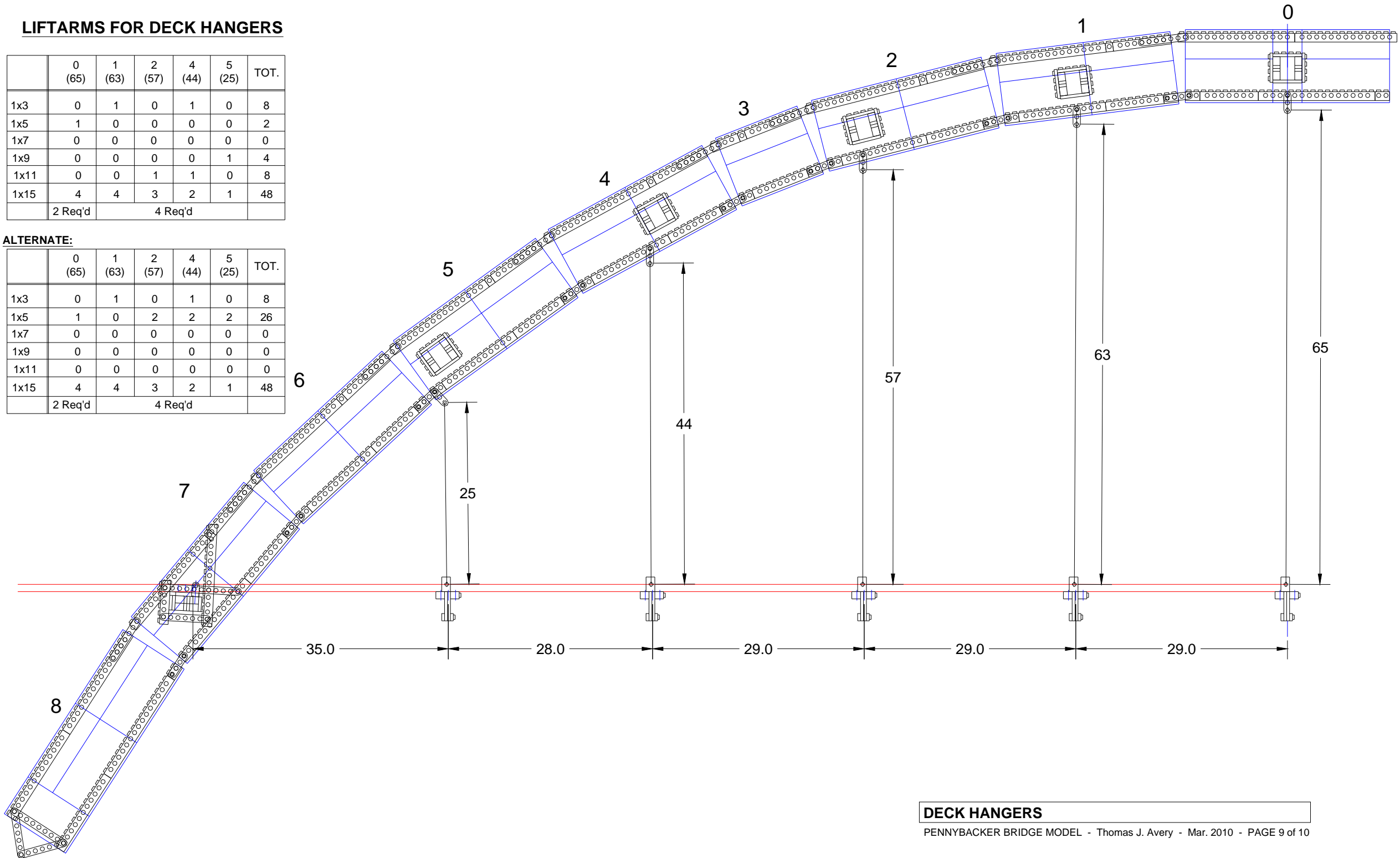
LONGITUDINAL DECK GIRDERS
PENNYBACKER BRIDGE MODEL - Thomas J. Avery - Mar. 2010 - PAGE 8 of 10

LIFTARMS FOR DECK HANGERS

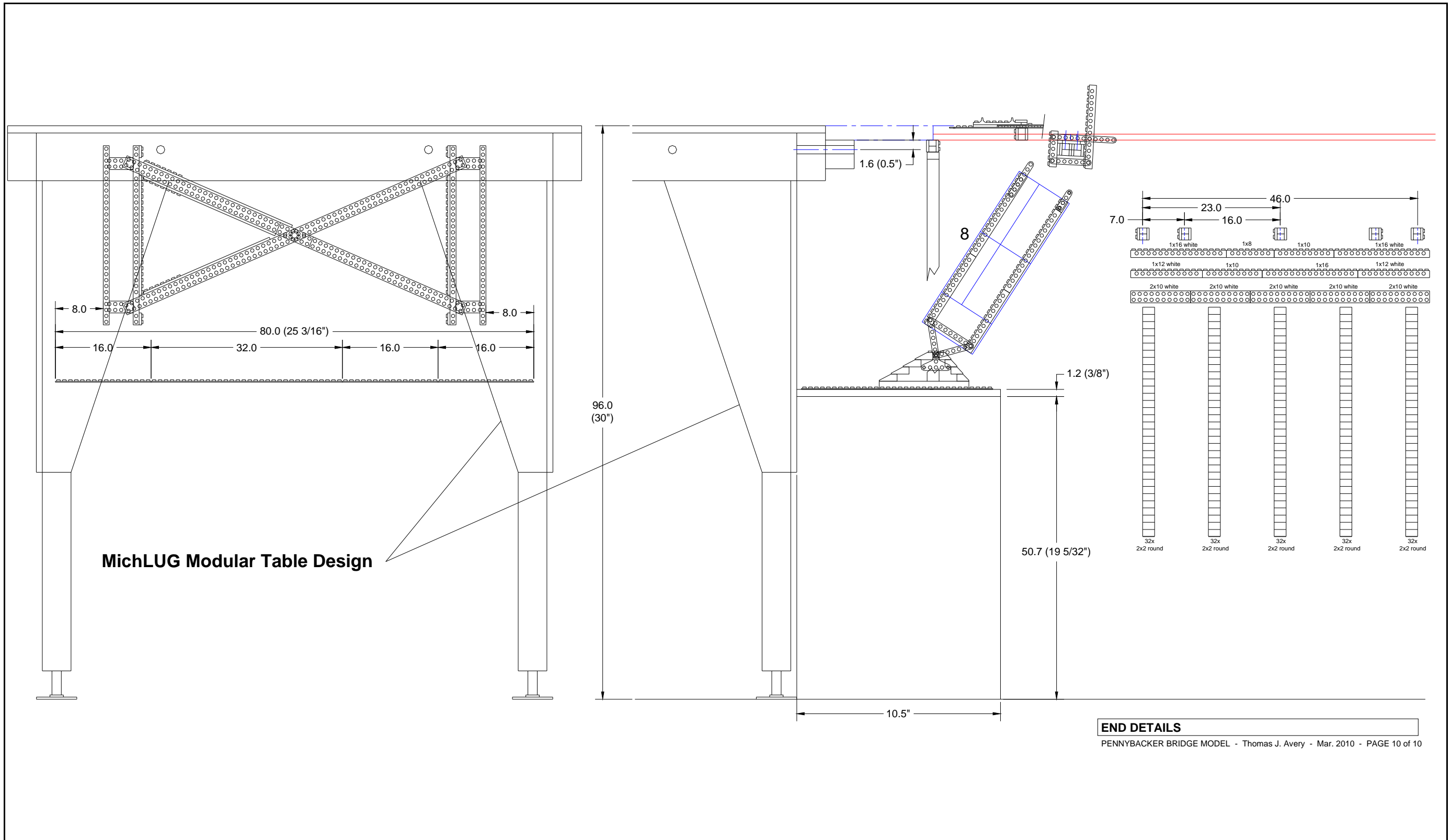
	0 (65)	1 (63)	2 (57)	4 (44)	5 (25)	TOT.
1x3	0	1	0	1	0	8
1x5	1	0	0	0	0	2
1x7	0	0	0	0	0	0
1x9	0	0	0	0	1	4
1x11	0	0	1	1	0	8
1x15	4	4	3	2	1	48
	2 Req'd		4 Req'd			

ALTERNATE:

	0 (65)	1 (63)	2 (57)	4 (44)	5 (25)	TOT.
1x3	0	1	0	1	0	8
1x5	1	0	2	2	2	26
1x7	0	0	0	0	0	0
1x9	0	0	0	0	0	0
1x11	0	0	0	0	0	0
1x15	4	4	3	2	1	48
	2 Req'd		4 Req'd			



DECK HANGERS



MichLUG Modular Table Design

END DETAILS