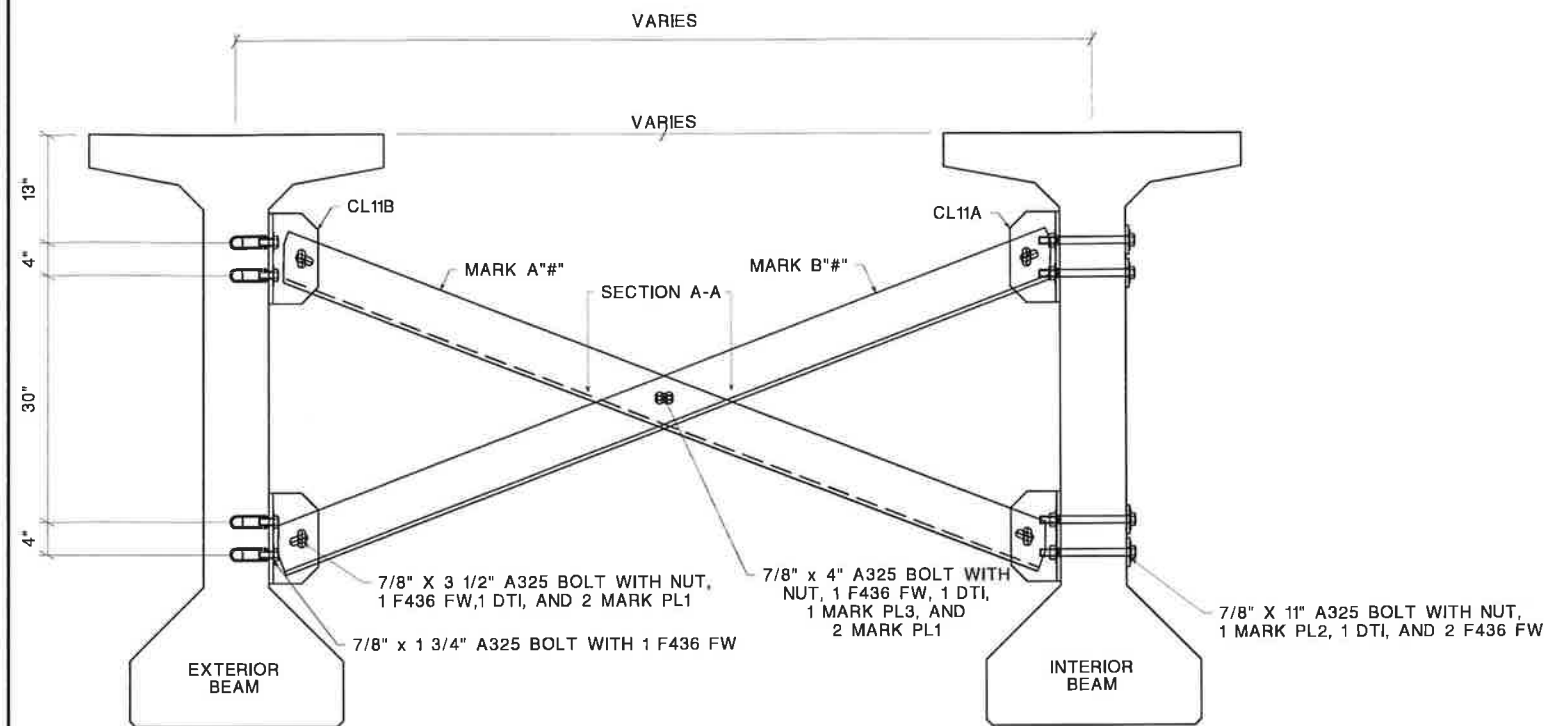
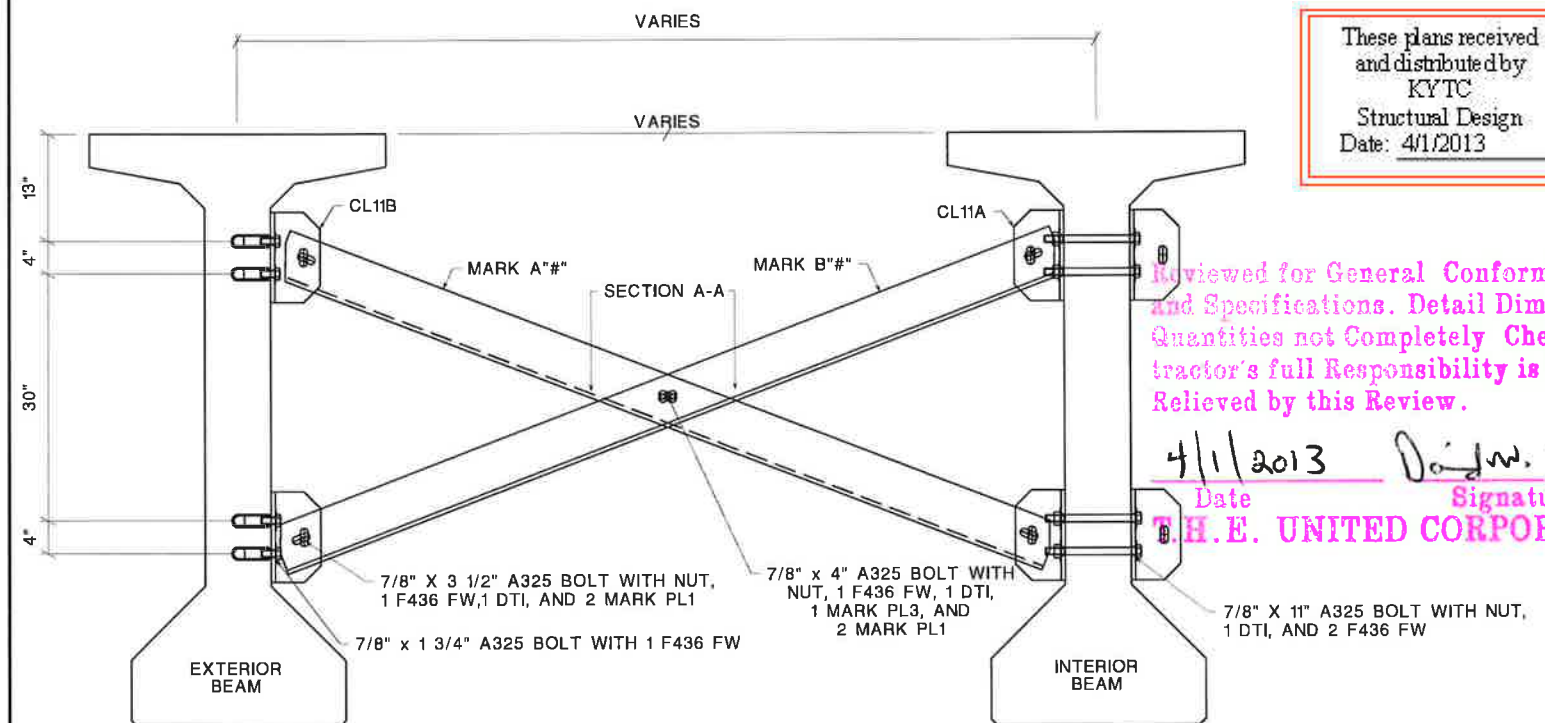




TYPICAL SKEW SECTION

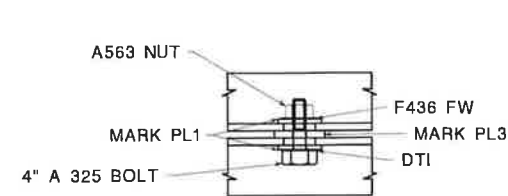


TYPICAL SQUARE SECTION

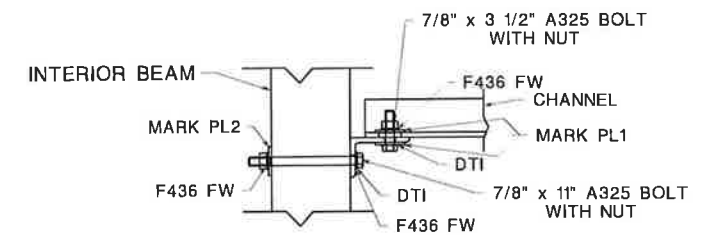
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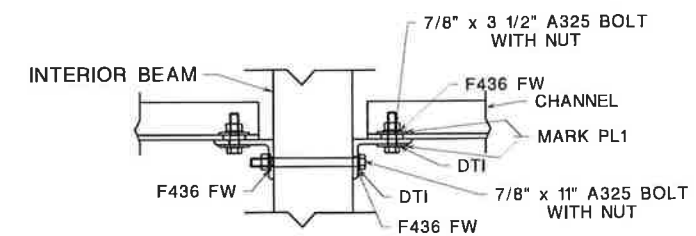
4/1/2013 *Doyle W. Simmons*
Date Signature
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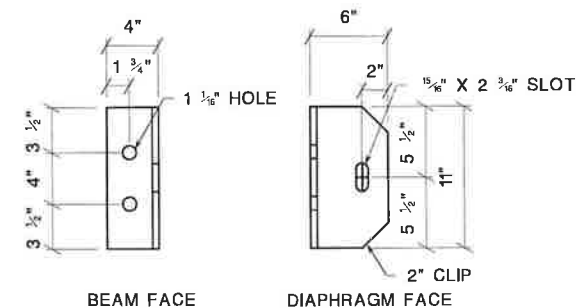
SECTION A-A



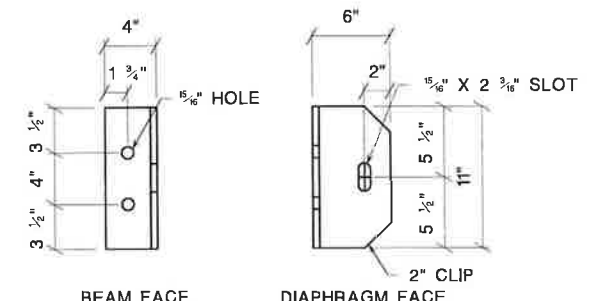
INTERIOR SKEW CONNECTION DETAIL



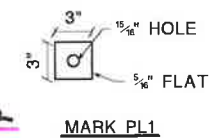
INTERIOR SQUARE CONNECTION DETAIL



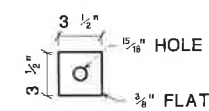
CL11A INTERIOR BEAM ONLY



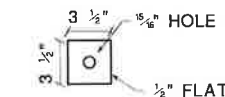
CL11B INTERIOR BEAM ONLY



MARK PL1



MARK PL2



MARK PL3

STEEL DIAPHRAGM DETAILS

LETCHER COUNTY, KENTUCKY
CONTRACT ID-121364 DWG.#25296
U.S. 119 OVER POOR FORK CUMBERLAND RIVER & CSX R.R.
CUSTOMER: PRESTRESS SERVICES INC.
DATE: MARCH 19, 2013 DETAILED BY: BSS CHECKED BY: DCT

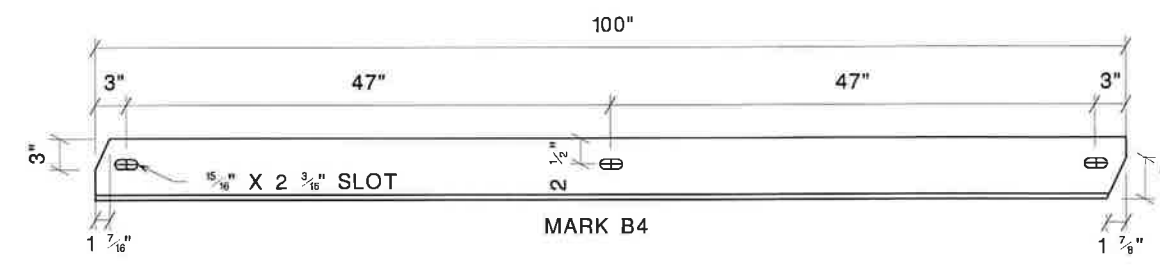
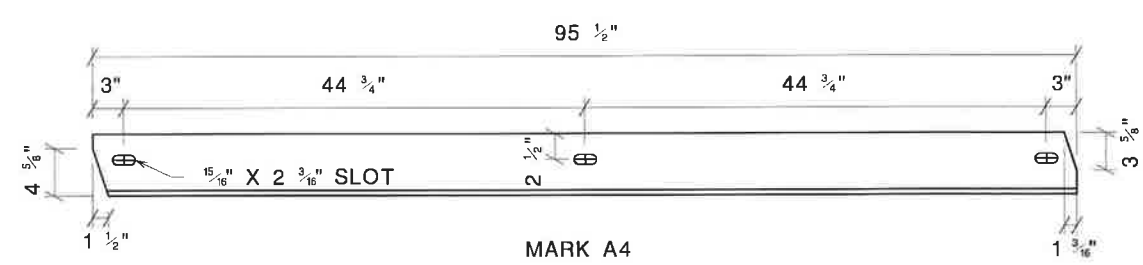
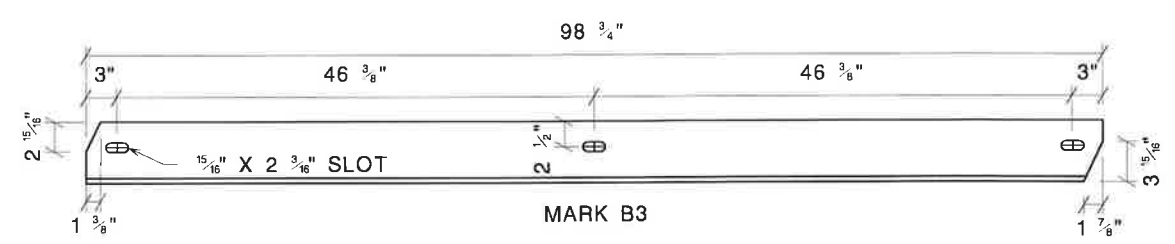
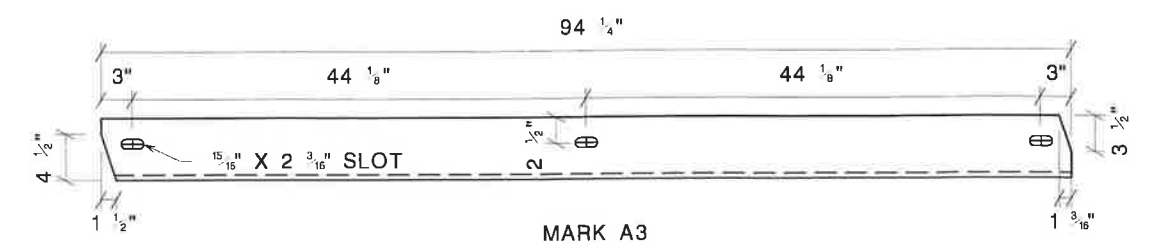
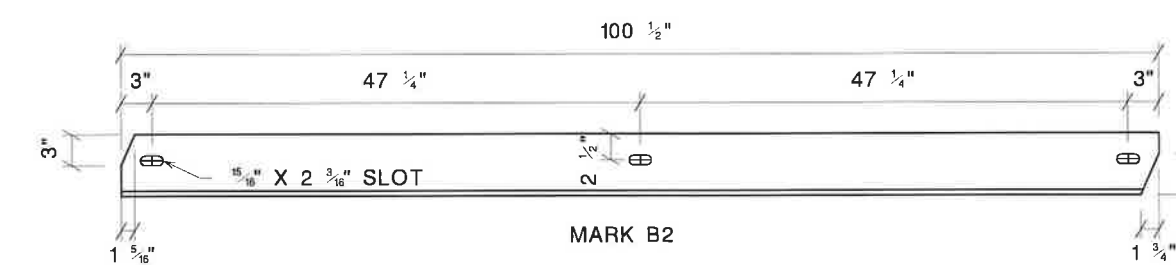
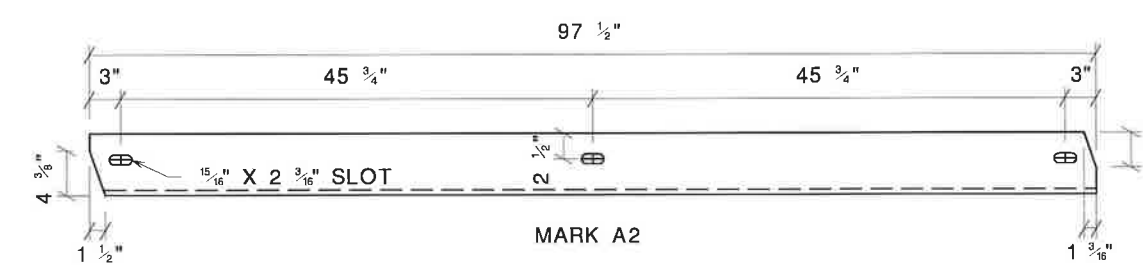
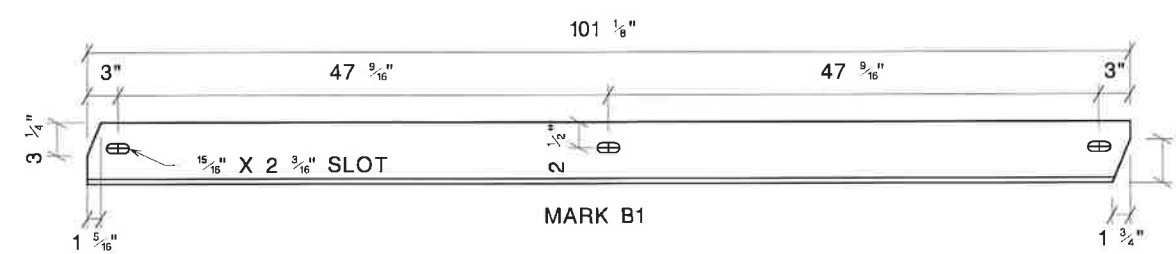
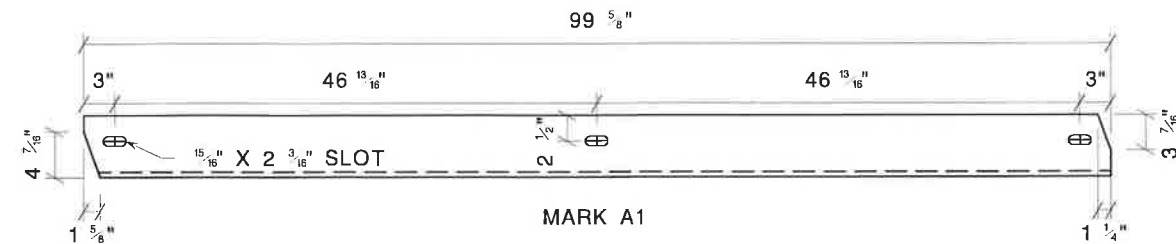
REVISIONS	DATE	BY	CHKD
1			
2			
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JOB#L3117

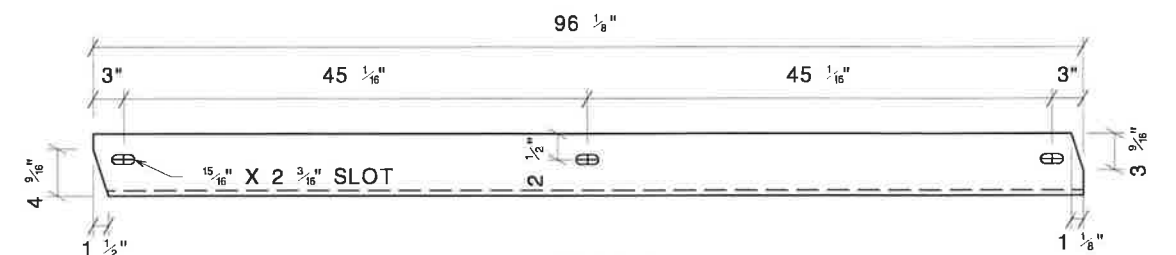
SHEET NUMBER:
1 of 10



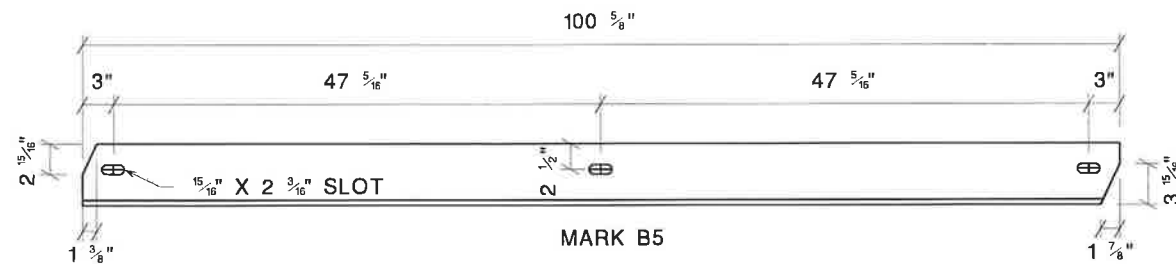
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4/1/2013 Date Signature
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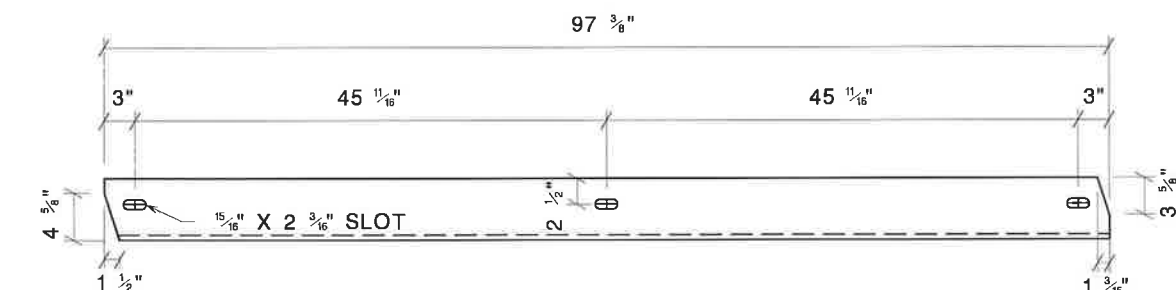
STEEL DIAPHRAGM DETAILS			
LETCHER COUNTY, KENTUCKY			
CONTRACT ID-121364 DWG.#25296			
U.S. 119 OVER POOR FORK CUMBERLAND RIVER & CSX R.R.			
CUSTOMER: PRESTRESS SERVICES INC.			
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JOB#L3117		SHEET NUMBER: 2 of 10	



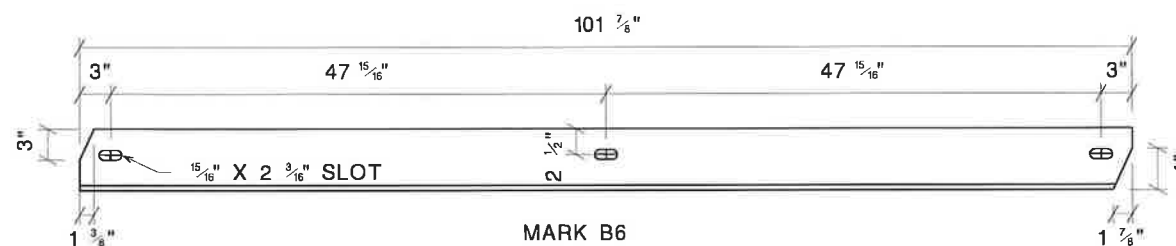
MARK A5



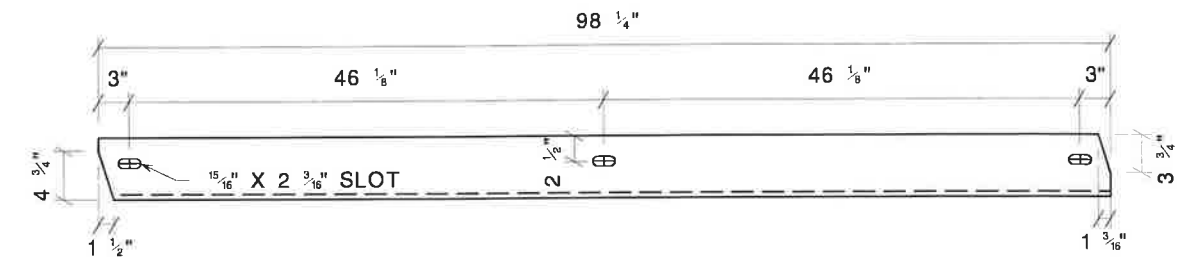
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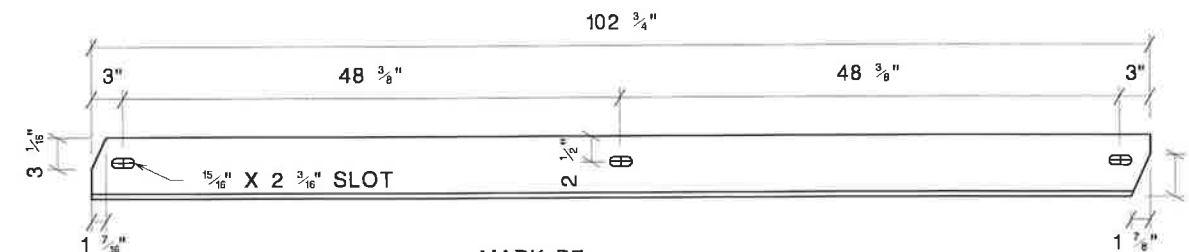
MARK A6



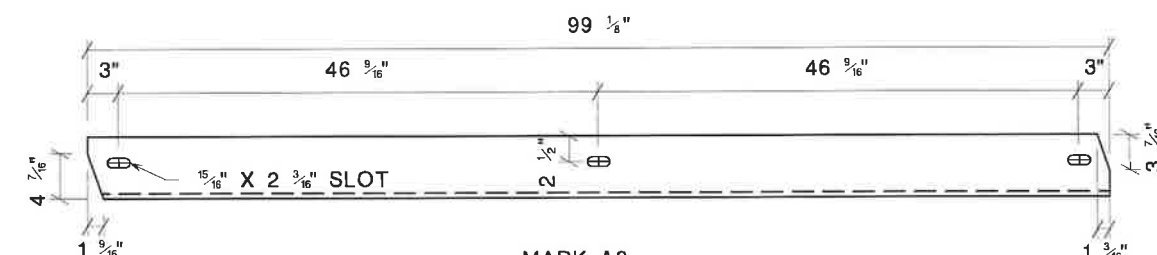
MARK B6



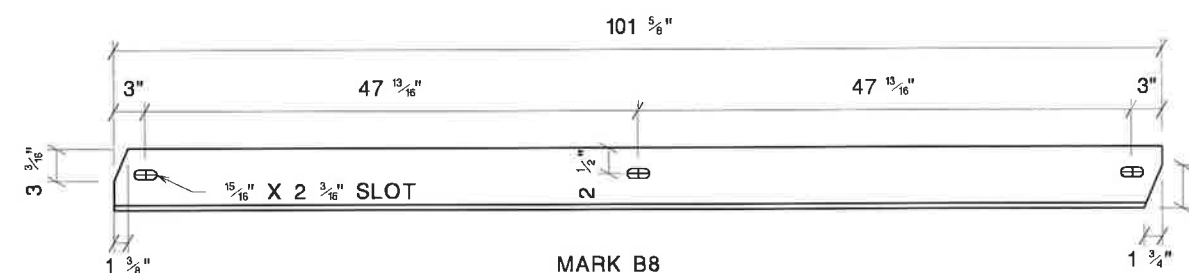
MARK A7



MARK B7



MARK A8



MARK B8

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4/1/2013 Date *David W. Simon* Signature
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STEEL DIAPHRAGM DETAILS

LETCHER COUNTY, KENTUCKY
CONTRACT ID-121364 DWG.#25296
U.S. 119 OVER POOR FORK CUMBERLAND RIVER & CSX R.R.
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DATE: MARCH 19, 2013 DETAILED BY: BSS CHECKED BY: DCT

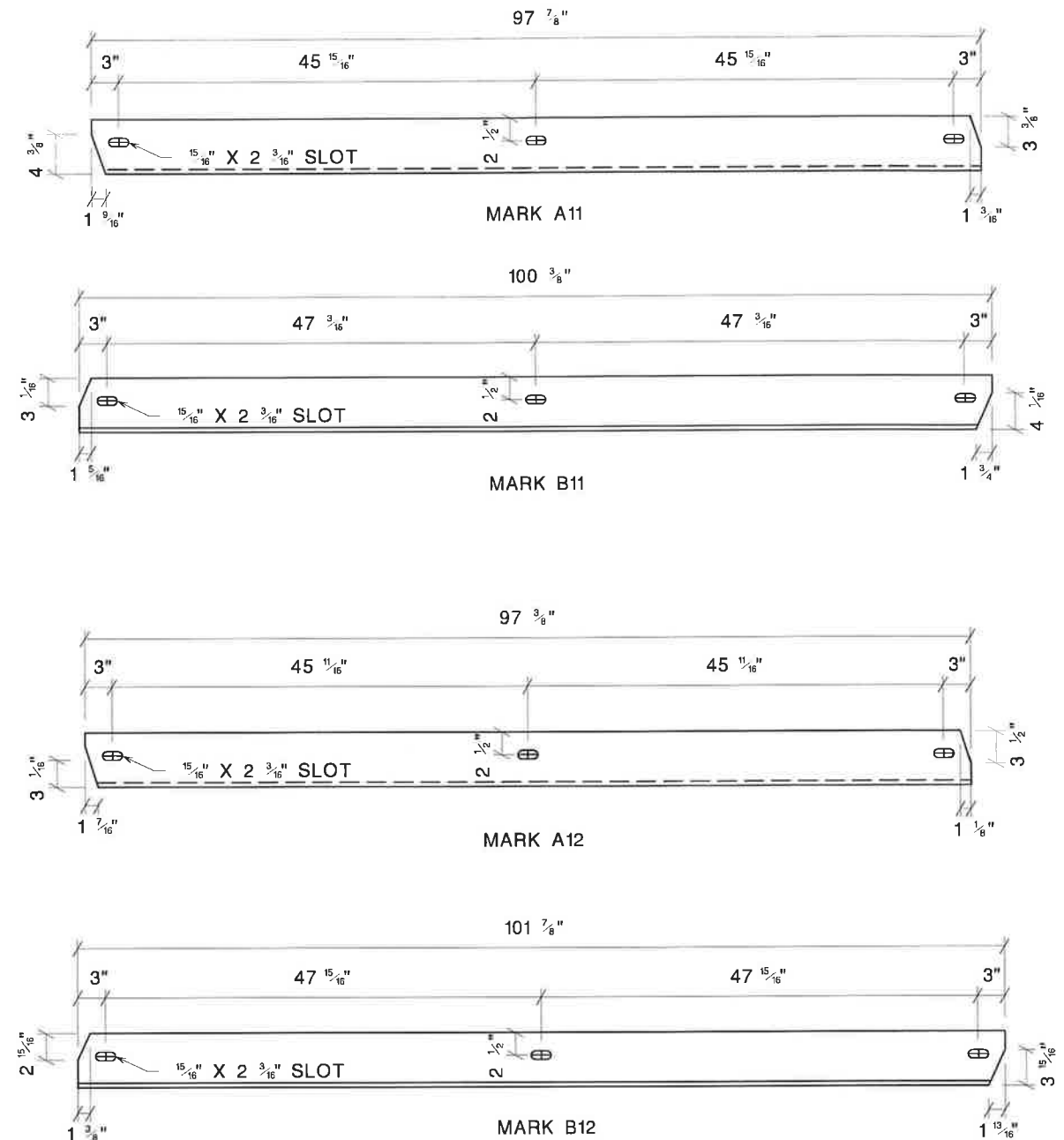
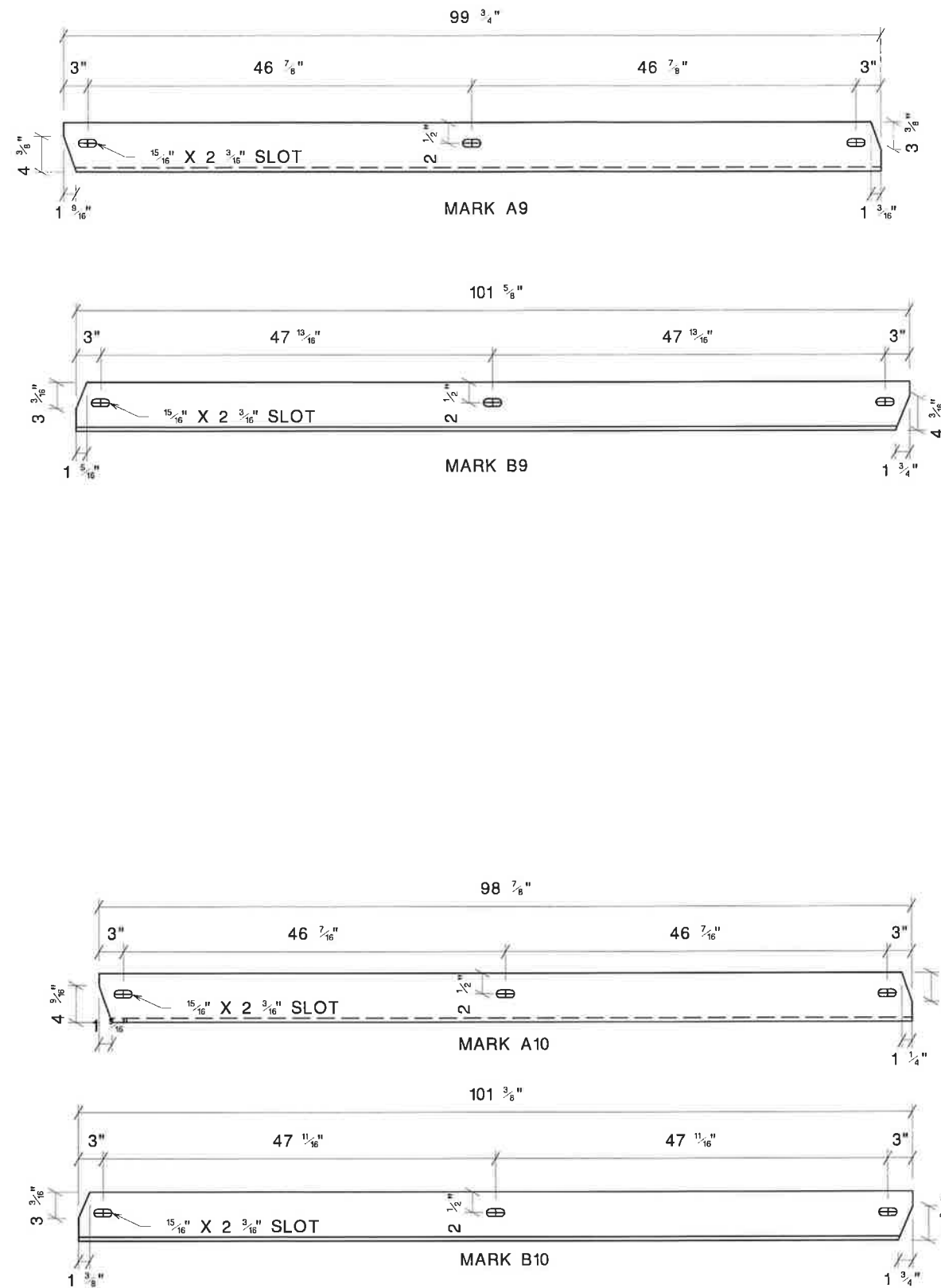
REVISIONS	1		
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4/1/2013 Date
Signature
T.H.E. UNITED CORPORATION

STEEL DIAPHRAGM DETAILS

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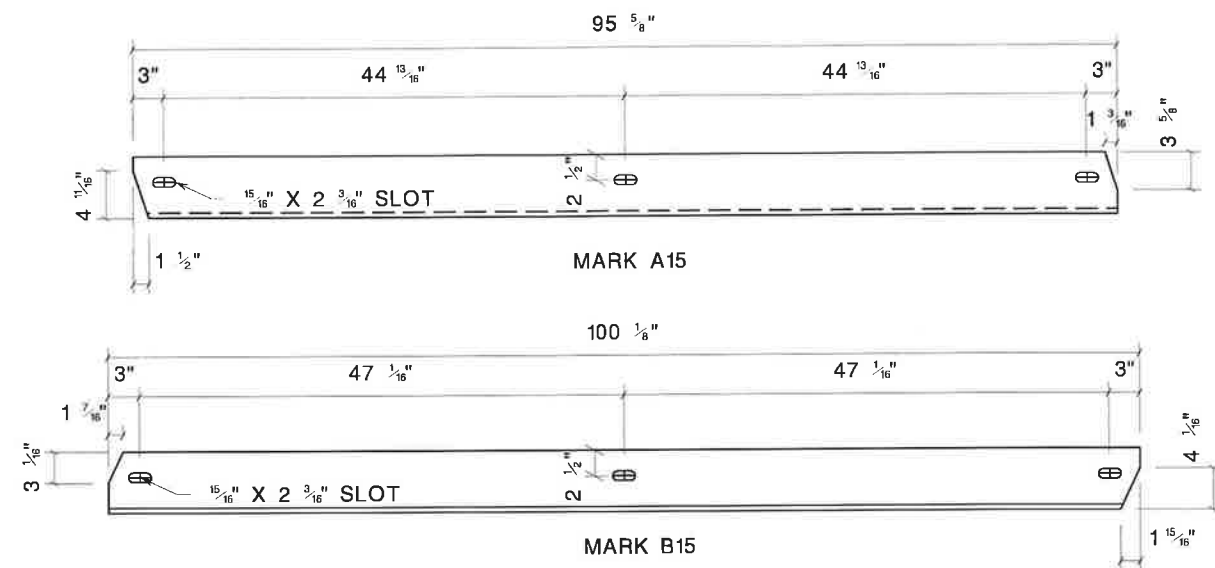
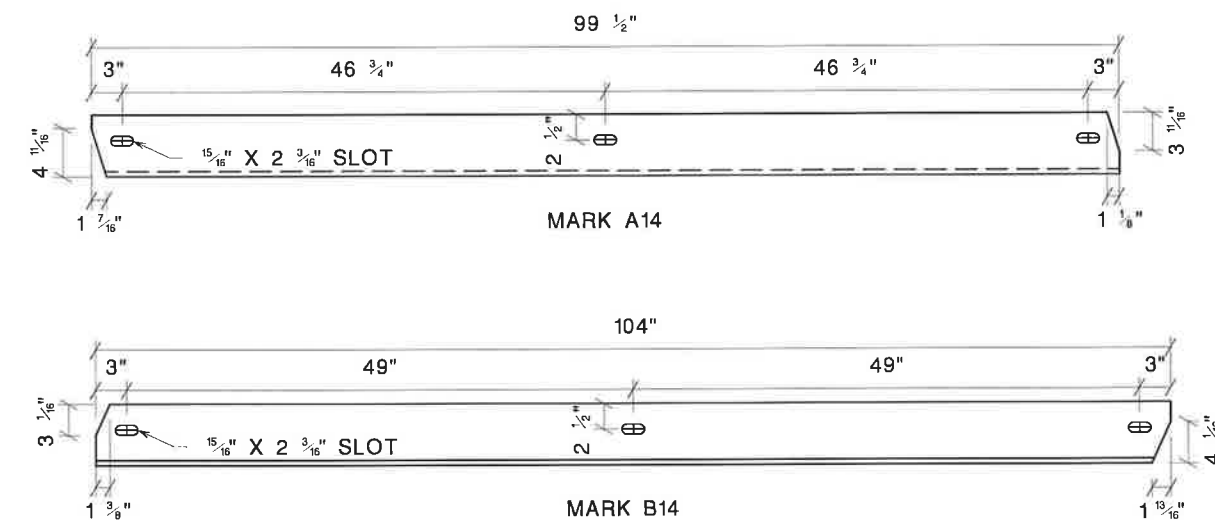
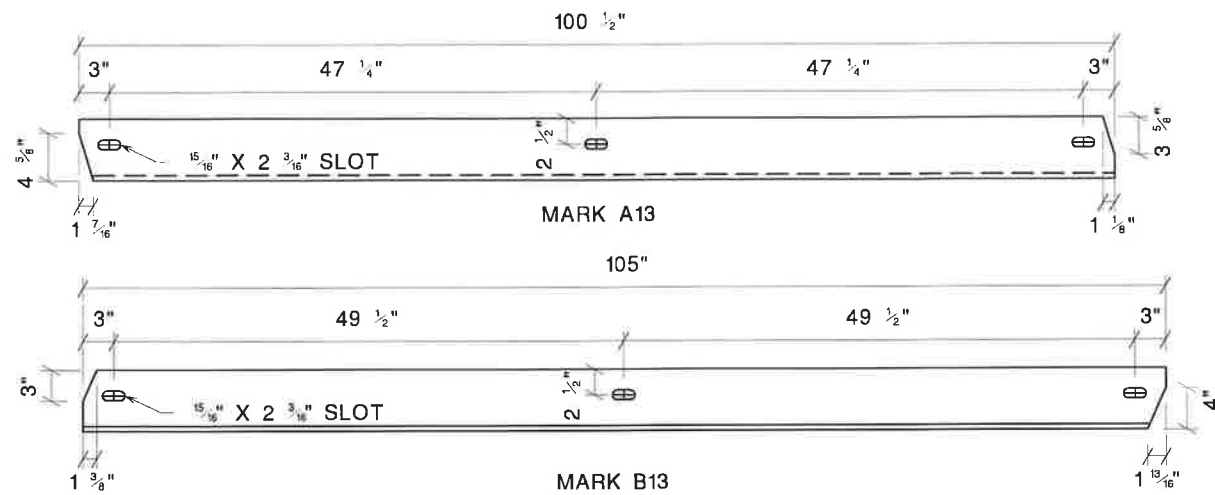
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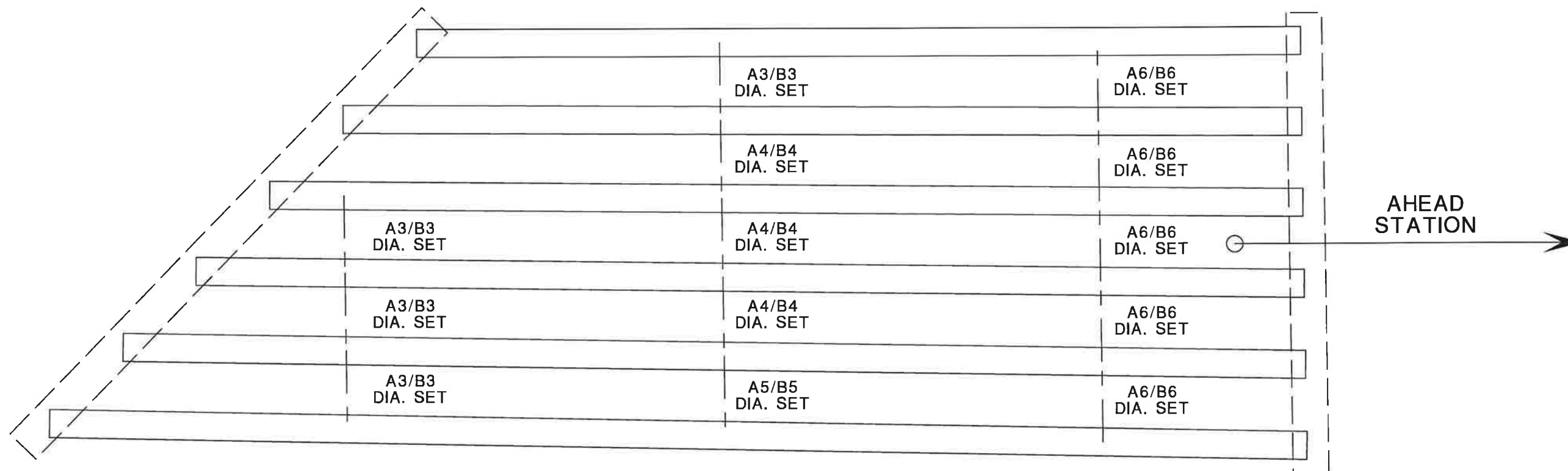
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STEEL DIAPHRAGM DETAILS			
LETCHER COUNTY, KENTUCKY			
CONTRACT ID-121364 DWG.#25296			
U.S. 119 OVER POOR FORK CUMBERLAND RIVER & CSX R.R.			
CUSTOMER: PRESTRESS SERVICES INC.			
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JOB#L3117		SHEET NUMBER: 5 of 10	



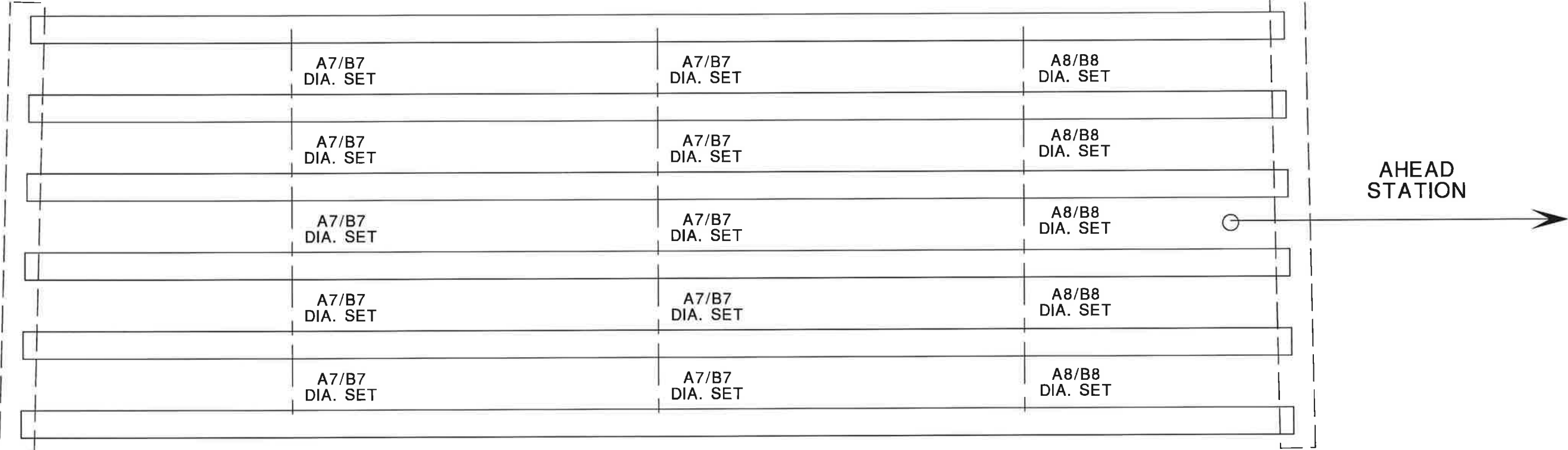
SPAN 3 DIAPHRAGM LAYOUT

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SPAN 3 LAYOUT		
LETCHER COUNTY, KENTUCKY		
CONTRACT ID-121364 DWG.#25296		
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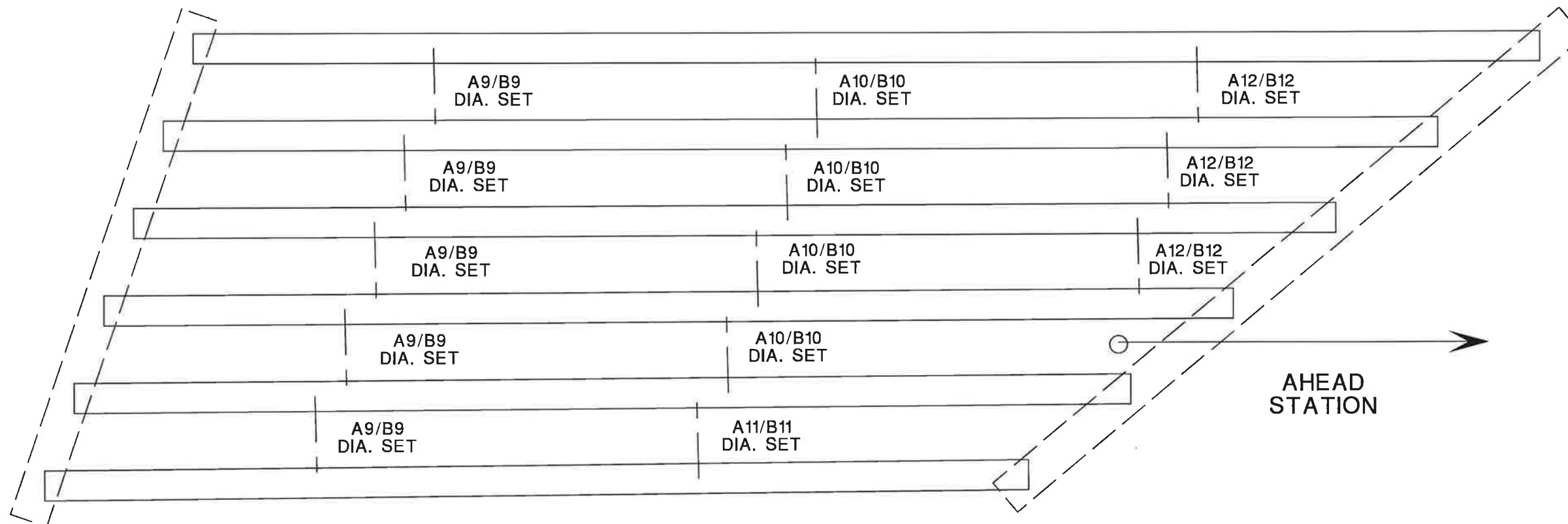
SPAN 8 DIAPHRAGM LAYOUT

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4/1/2013 *David W. Linn*
Date Signature
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SPAN 8 LAYOUT		
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CONTRACT ID-121364 DWG.#25296		
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SPAN 13 DIAPHRAGM LAYOUT

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4/1/2013 *D. W. Simmons*
Date Signature
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SPAN 13 LAYOUT

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CONTRACT ID-121364 DWG.#25296
U.S. 119 OVER POOR FORK CUMBERLAND RIVER & CSX R.R.
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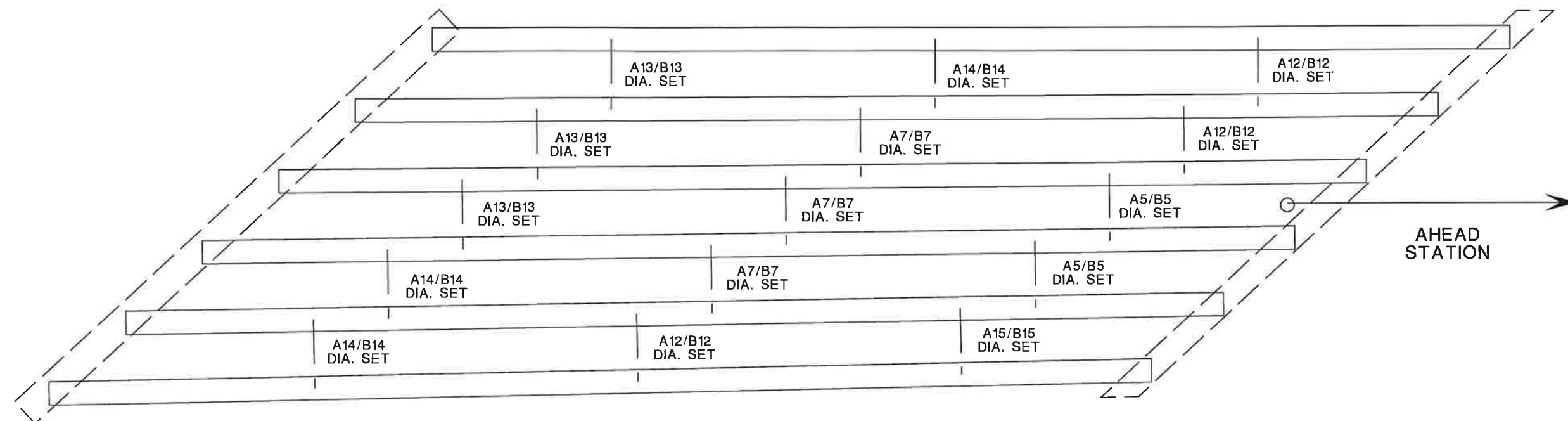
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SPAN 14 DIAPHRAGM LAYOUT

NOTE: USE DIAPHRAGMS A1/B1 FOR SPANS 1, 9, 10, 11, AND 12
 USE DIAPHRAGMS A2/B2 FOR SPAN 2
 USE DIAPHRAGMS 7A/7B FOR SPANS 4, 5, 6, AND 7

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SPAN 14 LAYOUT

LETCHER COUNTY, KENTUCKY
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SHEET NUMBER:

9 of 10

BILL OF MATERIALS							
QTY	SHAPES	MATERIAL	LENGTH	MARK	GRADE	REMARKS	
75	ANGLE	6 x 4 x 1/2"	99 5/8"	A1	A36	HDG	
75	ANGLE	6 x 4 x 1/2"	101 1/8"	B1	A36	HDG	
15	ANGLE	6 x 4 x 1/2"	97 1/2"	A2	A36	HDG	
15	ANGLE	6 x 4 x 1/2"	100 1/2"	B2	A36	HDG	
4	ANGLE	6 x 4 x 1/2"	94 1/4"	A3	A36	HDG	
4	ANGLE	6 x 4 x 1/2"	98 3/4"	B3	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	95 1/2"	A4	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	100"	B4	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	96 1/8"	A5	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	100 5/8"	B5	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	97 3/8"	A6	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	101 7/8"	B6	A36	HDG	
73	ANGLE	6 x 4 x 1/2"	98 1/4"	A7	A36	HDG	
73	ANGLE	6 x 4 x 1/2"	102 3/4"	B7	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	99 1/8"	A8	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	101 5/8"	B8	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	99 3/4"	A9	A36	HDG	
5	ANGLE	6 x 4 x 1/2"	101 5/8"	B9	A36	HDG	
4	ANGLE	6 x 4 x 1/2"	98 7/8"	A10	A36	HDG	
4	ANGLE	6 x 4 x 1/2"	101 3/8"	B10	A36	HDG	

BILL OF MATERIALS CONTINUED							
QTY	SHAPES	MATERIAL	LENGTH	MARK	GRADE	REMARKS	
1	ANGLE	6 x 4 x 1/2"	97 7/8"	A11	A36	HDG	
1	ANGLE	6 x 4 x 1/2"	100 3/8"	B11	A36	HDG	
6	ANGLE	6 x 4 x 1/2"	97 3/8"	A12	A36	HDG	
6	ANGLE	6 x 4 x 1/2"	101 7/8"	B12	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	100 1/2"	A13	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	105"	B13	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	99 1/2"	A14	A36	HDG	
3	ANGLE	6 x 4 x 1/2"	104"	B14	A36	HDG	
1	ANGLE	6 x 4 x 1/2"	95 5/8"	A15	A36	HDG	
1	ANGLE	6 x 4 x 1/2"	100 1/8"	B15	A36	HDG	
660	ANGLE	6 x 4 x 1/2"	11"	CL11A	A36	HDG	
164	ANGLE	6 x 4 x 1/2"	11"	CL11B	A36	HDG	
2060	FLAT	5/16" x 3"	3"	PL1	A36	HDG	
472	FLAT	3/8"X3 1/2"	3 1/2"	PL2	A36	HDG	
206	FLAT	1/2"X3 1/2"	3 1/2"	PL3	A36	HDG	
328	BOLT	7/8"	1 3/4"		A325	GALV	
824	BOLT	7/8"	3 1/2"		A325	GALV	
206	BOLT	7/8"	4"		A325	GALV	
896	BOLT	7/8"	11"		A325	GALV	
1854	NUT	7/8"			A563	GALV	
2678	WASHER	7/8"			F436	GALV	
1322	DTI					GALV	

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STEEL DIAPHRAGM DETAILS

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