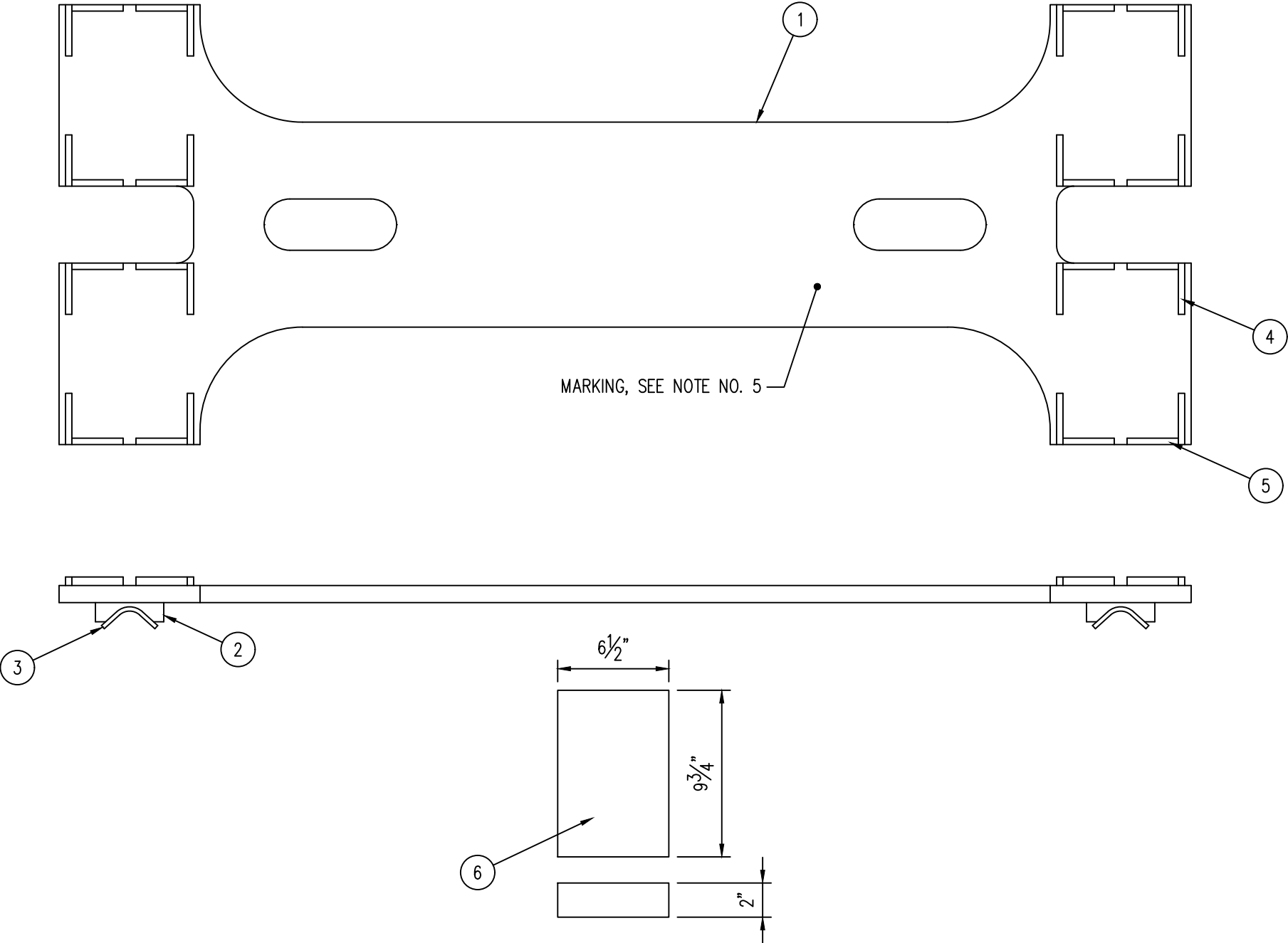


BILL OF MATERIALS				
ITEM NO.	NO. REQUIRED	DESCRIPTION	SIZE	MATERIAL
1	1	SPRING PLANK BODY	2' 1 3/4" X 1" X 5' 6 1/4"	ASTM A514
2	4	SPRING PLANK SEAT	4" X 1 1/8" X 9 5/8"	ASTM A36
3	4	SPRING PLANK WEAR PLATE	3 1/16" X 1/4" X 9 5/8"	ASTM AR235
4	16	RETAINING LUG	3/8" X 1/2" X 3"	ASTM A36
5	16	RETAINING LUG	3/8" X 1/2" X 3"	ASTM A36
6	4	SPRING PERCH SPACER	9 3/4" X 6 1/2" X 1"	ASTM A36
7	N/A	PAINTING SPEC.	SINGLE STAGE EPOXY PRIMER (ANY COLOR)	

- NOTES:
1. MATERIAL CERTIFICATION AND METALLURGICAL TEST REPORTS TO BE PROVIDED FOR ALL MATERIAL SUPPLIED.
 2. CUT SPRING PLANK BODY FROM RAW MATERIAL WITH GRAIN ALIGNED TO THE 5'-6 1/4" DIRECTION USING WATER JET CUTTER TO MINIMIZE PART HEATING.
 3. BREAK SHARP CORNERS.
 4. THIRD PARTY MAGNETIC PARTICLE INSPECTION PER ASTM E709, ACCEPTANCE CRITERIA PER ASTM TYPE I, DEGREE I.
 5. STENCIL ONE SIDE WITH LOW STRESS STAMP 3/8" HIGH CHARACTERS:
MANUFACTURER'S IDENTIFICATION
DATE MADE
MANUFACTURER'S SERIAL NO.
PART NUMBER – ARRC36633
 6. ALL WELDS TO BE MADE WITH GMAW ER70S-XXX-XX ELECTRODES OR EQUIVALENT UNLESS OTHERWISE NOTED.
 7. ALL WELDERS SHALL BE QUALIFIED FOR THE WELD PROCEDURE PER AWS D15.1.
 8. ALL WELD SPATTER AND SLAG SHALL BE REMOVED.
 9. PROVIDE CHARPY V-NOTCH IMPACT TOUGHNESS FOR A514 PLATE PER ASTM E23; MINIMUM VALUE OF 35 FT/LB @ 0°F.
 10. PREHEAT SPRING PLANK BODY TO MINIMUM INTERPASS TEMP OF 125°F, MAX 400° F DURING WELDING OPERATIONS.

MATERIAL SPECIFICATION:
STEEL – ASTM A514 OR EQUIVALENT – 1" PLATE

MECHANICAL PROPERTIES:
YIELD 100,000 PSI
TENSILE 115,000 PSI
ELONGATION IN 8" 16%





ALASKA RAILROAD CORPORATION
ENGINEERING SERVICES
P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

PROJECT :

**MOTIVE POWER AND EQUIPMENT
PASSENGER EQUIPMENT**

TITLE:

**B.O.M. AND NOTES
BUCKEYE TRUCK SPRING PLANK**

DESIGNED BY: ARRC

DRAWN BY: CDL

CHECKED BY:

APPROVED BY:

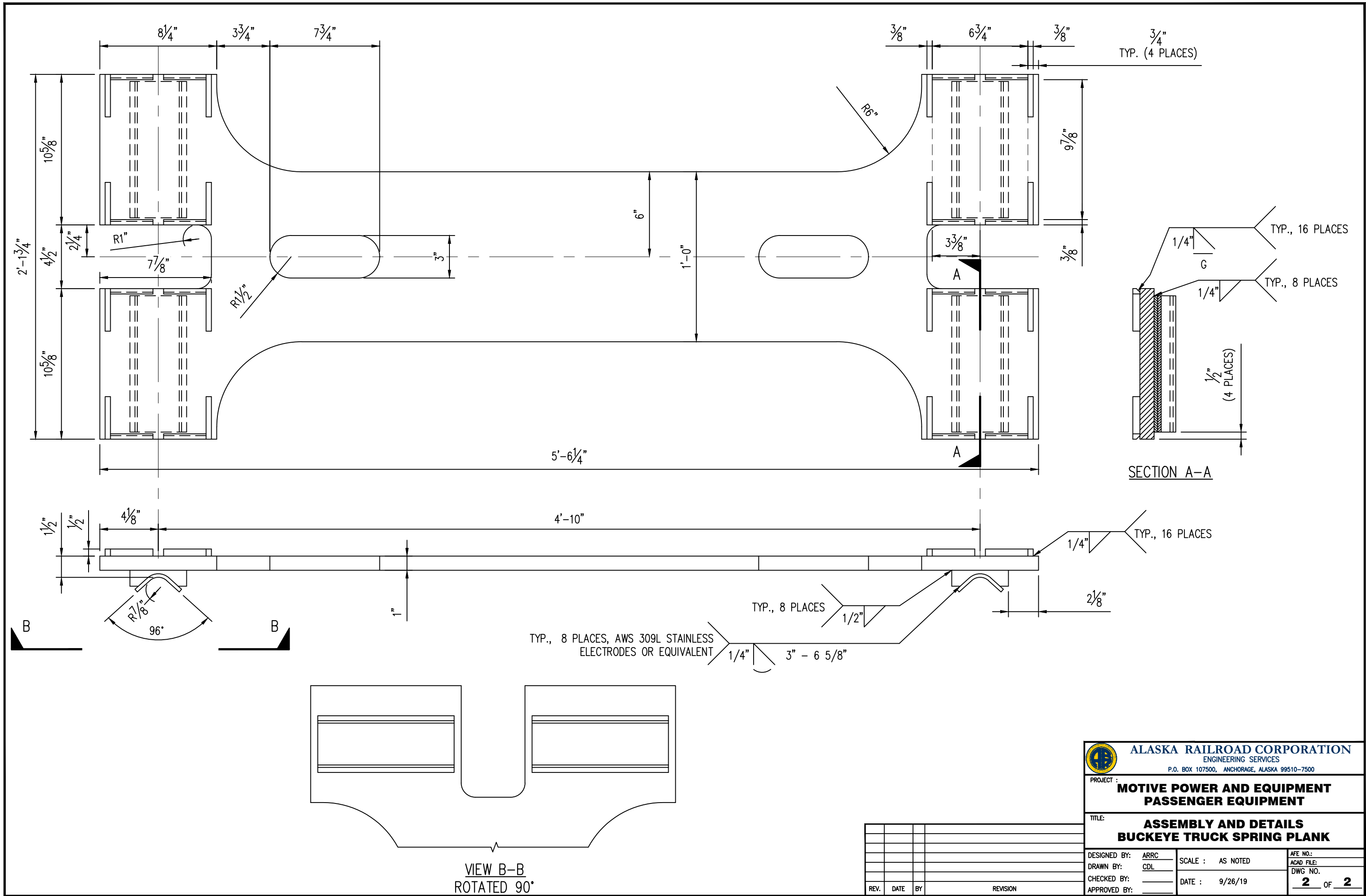
SCALE : AS NOTED

DATE : 9/26/2019

APE NO.:

ACAD FILE:

DWG NO. **1** OF **2**



			
ALASKA RAILROAD CORPORATION			
ENGINEERING SERVICES			
P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500			
PROJECT : MOTIVE POWER AND EQUIPMENT PASSENGER EQUIPMENT			
TITLE: ASSEMBLY AND DETAILS BUCKEYE TRUCK SPRING PLANK			
DESIGNED BY: <u>ARRC</u>	SCALE : <u>AS NOTED</u>	AFE NO.: <u> </u>	
DRAWN BY: <u>CDL</u>		ACAD FILE: <u> </u>	
CHECKED BY: <u> </u>	DATE : <u>9/26/19</u>	DWG NO. 2 OF 2	
APPROVED BY: <u> </u>			