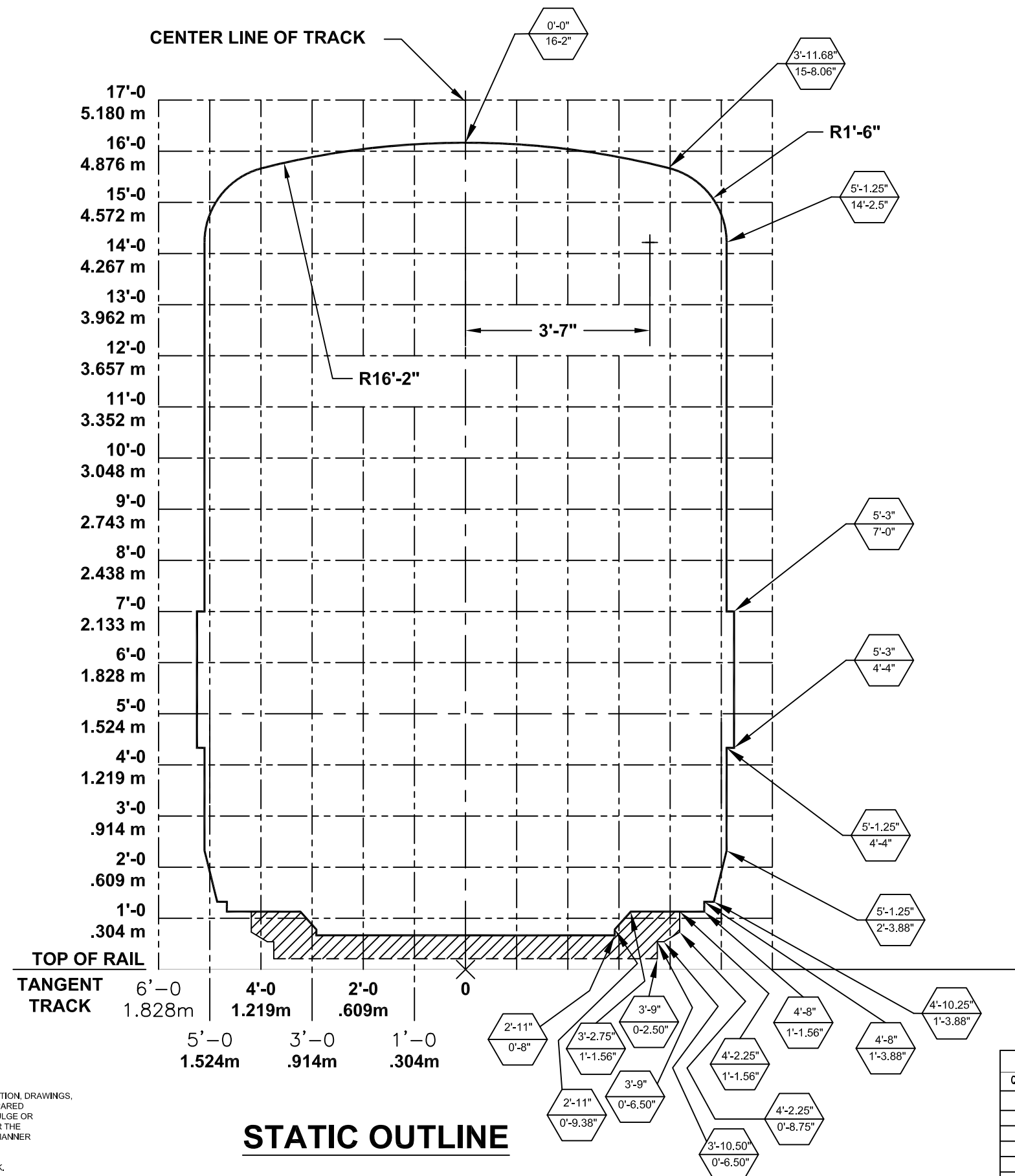


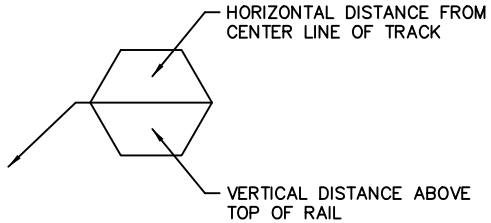
A	09000-990	B
REV.	DRAWING NUMBER	

REVISIONS				
LTR	ZONE	DESCRIPTION	DATE	APPR'D
A	-	THIS DRAWING SUPERCEDES DRAWING A-06-7577	05/15/07	M. T.



NOTES:

- VEHICLES CONFORMING TO THIS DRAWING MAY OPERATE ONLY OVER SPECIFIC ROUTES APPROVED BY THE CLEARANCE ENGINEER OR APPROPRIATE OFFICIALS OF THE HOST RAILROAD.
- ALL VERTICAL DIMENSIONS REPRESENT THE MAXIMUM EXCURSION OF THE EQUIPMENT, THEREFORE, THE CAR CONSTRUCTION OUTLINE MUST BE REDUCED TO ALLOW FOR WORN WHEELS, FULL VERTICAL TRAVEL OF THE SUSPENSION SYSTEM (INCLUDING FAILED CONDITION) AND FULL PASSENGER LOADING.
- WHEN MEASURED ON LEVEL TANGENT TRACK THE HORIZONTAL DIMENSIONS SHOWN REPRESENT THE MAXIMUM STATIC CONDITIONS OF THE EQUIPMENT SUBJECT TO THE FOLLOWING REQUIREMENTS.
 - HORIZONTAL DIMENSIONS ARE BASED ON AN OVERALL CAR LENGTH OF 85'-0" OVER BUFFERS AND TRUCK CENTER DISTANCE OF 59'-6". EQUIPMENT EXCEEDING THESE REQUIREMENTS MUST HAVE HORIZONTAL DIMENSIONS REDUCED ACCORDINGLY.
 - A MAXIMUM OF 1.50" LATERAL PLAY (JOURNAL, WHEEL TO RAIL, BOLSTER, ETC.) IS ALLOWED.
 - THE HORIZONTAL DIMENSIONS BETWEEN THE HEIGHTS OF 0'-2.50" AND 1'-1.50" ABOVE TOP OF RAIL REPRESENT THE MAXIMUM STATIC CONDITIONS OF TRUCK PARTS OR CARBODY PARTS LOCATED DIRECTLY OVER THE TRUCKS. ALL OTHER EQUIPMENT PROJECTIONS BETWEEN THESE HEIGHTS MUST BE CONSTRUCTED SO THAT THEY DO NOT SWING BEYOND THE STATICALLY PRESCRIBED LIMITS WHILE NEGOTIATING A 14° CURVE.



STATIC OUTLINE

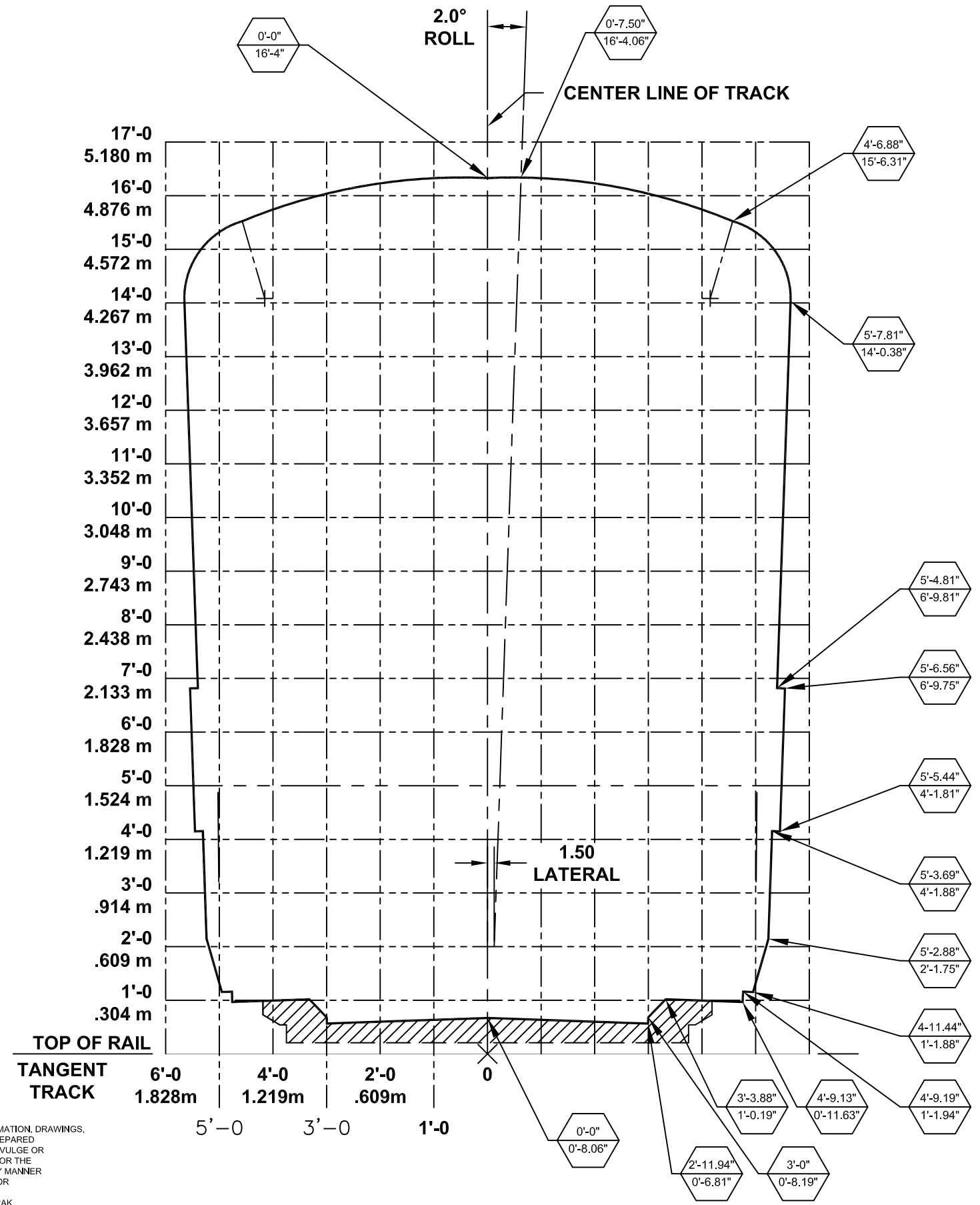
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QTY	PART NUMBER	DESCRIPTION	MATERIAL	MFG/SPEC	AMM'S NUMBER	1	ITEM
LIST OF MATERIAL							
		REFERENCE DRAWINGS			CLEARANCE DIAGRAM BI - LEVEL PASS. CAR		
		D-118 1172-12 A-06-7577	<small>Mechanical Department Bureau of Rolling Stock Engineering National Railroad Passenger Corporation 4801 Vandever Ave. Wilmington DE 19802</small>		<small>Drawn</small> J.A. CAMPBELL	<small>Date</small> 10/22/06	<small>Approved</small> M. TROSKO
		REPORT ALL CHANGES TO ENGINEERING DEPARTMENT	<small>Dimensions are in inches unless otherwise specified</small>	<small>TOLERANCES</small> xx ±.01 xxx ±.010	<small>Checked</small> T. HUXLEY	<small>Date</small> 10/31/06	<small>Approved</small> M. TROSKO
		DO NOT SCALE DRAWING	<small>Remove all burrs & break sharp edges.</small>	<small>Scale</small> 	<small>DRAWING NUMBER</small> B 066-00050	<small>For Issue</small> 	<small>REV.</small> A
		PROGRAM	NEXT ASS'Y	USED ON	SHT. 1 OF 3		

A	09000-990	B
REV.	DRAWING NUMBER	

REVISIONS				
LTR	ZONE	DESCRIPTION	DATE	APPR'D
A	-	SEE SHEET 1	05/15/07	M.T.



NOTES:

1. THIS DRAWING REPRESENTS THE DYNAMIC RANGE OF MOTION OF THE VEHICLE AND IS NOT TO BE USED AS THE STATIC CONSTRUCTION OUTLINE OF THE VEHICLE.
2. CLEARANCE OUTLINE IS REFERENCED TO PLANE OF TOP OF RAILS, FOR TRACK WITH AND WITHOUT SUPERELEVATION.
3. VEHICLE MUST REMAIN WITHIN THIS OUTLINE UNDER ALL CONDITIONS, INCLUDING LATERAL AND VERTICAL MOVEMENT OF THE VEHICLE ON ITS SUSPENSION, ROLL INDUCED BY UP TO 6" SUPERELEVATION (WITH THE VEHICLE STOPPED OR IN MOTION), ROLL INDUCED BY THE DESIGN CANT DEFICIENCY, RANGE OF MOTION OF TILT SYSTEM (IF SO EQUIPPED), NORMAL WEAR, VARIATIONS OF LOAD, FAILURE OF ANY SINGLE SUSPENSION COMPONENT AND ANY COMBINATION OF THESE CONDITIONS.
4. HORIZONTAL DIMENSIONS OF CLEARANCE OUTLINE BETWEEN 2.75" AND 13" ABOVE TOP OF RAIL MUST ALLOW FOR INSIDE AND OUTSIDE OVERHANG ON A 12°-30' CURVE AS SHOWN ON SHEET 3 AND THE SHADED AREA OF SHEET 2. ALL CAR BODY STRUCTURE, EQUIPMENT AND APPLIANCES MUST REMAIN WITHIN THIS OUTLINE UNDER ALL CONDITIONS.

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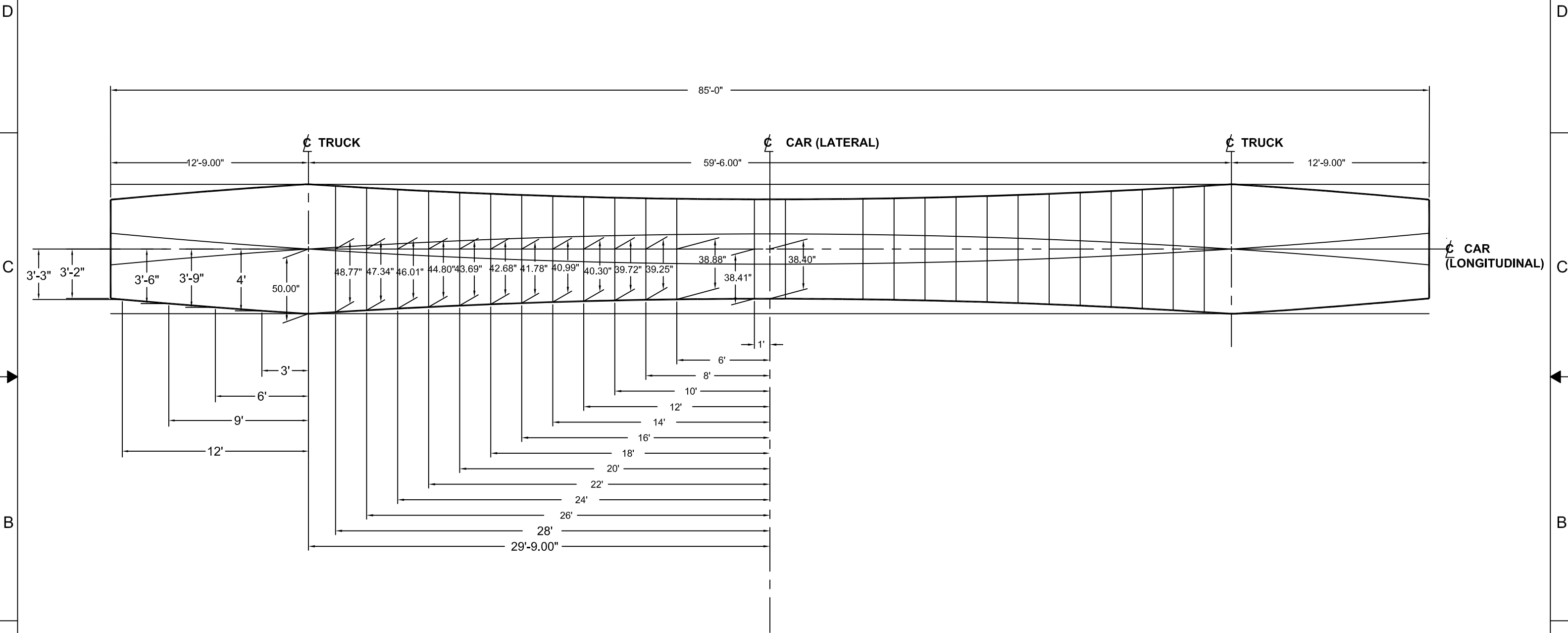
DYNAMIC OUTLINE

QTY	PART NUMBER	DESCRIPTION	MATERIAL	MFG/SPEC	AMM'S NUMBER	1	ITEM
LIST OF MATERIAL							
		REFERENCE DRAWINGS			CLEARANCE DIAGRAM BI - LEVEL PASS. CAR		
		SEE SHEET 1					
PROJ.1577		REPORT ALL CHANGES TO ENGINEERING DEPARTMENT	TOLERANCES		<small>Drawn: J.A. CAMPBELL Date: 10/22/06 Approved: M. TROSHKO</small> <small>Checked: T. HUXLEY Date: 10/31/06 Approved: M. TROSHKO</small>		
PROGRAM	NEXT ASS'Y	USED ON	<small>Dimensions are in inches unless otherwise specified</small> <small>Decimals: xx.x0 xxx.x00</small> <small>Angles: ±.1°</small> <small>Remove all burrs & break sharp edges.</small>		<small>Scale: -</small> <small>Drawn: -</small> <small>Checked: -</small> <small>Approved: -</small> <small>For Issue: -</small>		
DO NOT SCALE DRAWING		SHT. 2 OF 3		DRAWING NUMBER			REV.
				B 066-00050		A	

6 5 4 3 2 1

A	09000-990	B
REV.	DRAWING NUMBER	

REVISIONS				
LTR	ZONE	DESCRIPTION	DATE	APPR'D
A	-	SEE SHEET 1	05/15/07	M. T.



TANGENT OFFSETS
FOR 85'-0" CAR WITH 59'-6" TRUCK CENTERS
SEE SHEET 2, NOTE 4

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THE AMTRAK DRAWING IS THE GOVERNING DOCUMENT, AND SUPERSEDES ANY LIKE INFORMATION ON REFERENCE DRAWINGS, PART NUMBERS, SPECIFICATIONS, ETC.

QTY	PART NUMBER	DESCRIPTION	MATERIAL	MFG/SPEC	AMM'S NUMBER	ITEM
LIST OF MATERIAL						
		REFERENCE DRAWINGS			TITLE CLEARANCE DIAGRAM BI - LEVEL PASS. CAR	
		SEE SHEET 1				
PROJ. 1577		REPORT ALL CHANGES TO ENGINEERING DEPARTMENT	Mechanical Department Bureau of Rolling Stock Engineering National Railroad Passenger Corporation 4501 Vandeventer Ave., Washington DC 20002		Drawn J. CAMPBELL Date 10/22/06	Approved M. L. BURSHTIN Date 10/31/06
PROGRAM	NEXT ASS'Y	USED ON	TOLERANCES Decimals xx ± .03 Angles ± .1° Remove all burrs & break sharp edges.		Checked T. HUXLEY Date 10/31/06	Approved For Issue
		DO NOT SCALE DRAWING	Dimensions are in inches unless otherwise specified.		Scale: - SHT. 3 OF 3	DRAWING NUMBER B 066-00050
						REV. A

6 5 4 3 2 1 FILED AS 066-00050_rA_s1-3