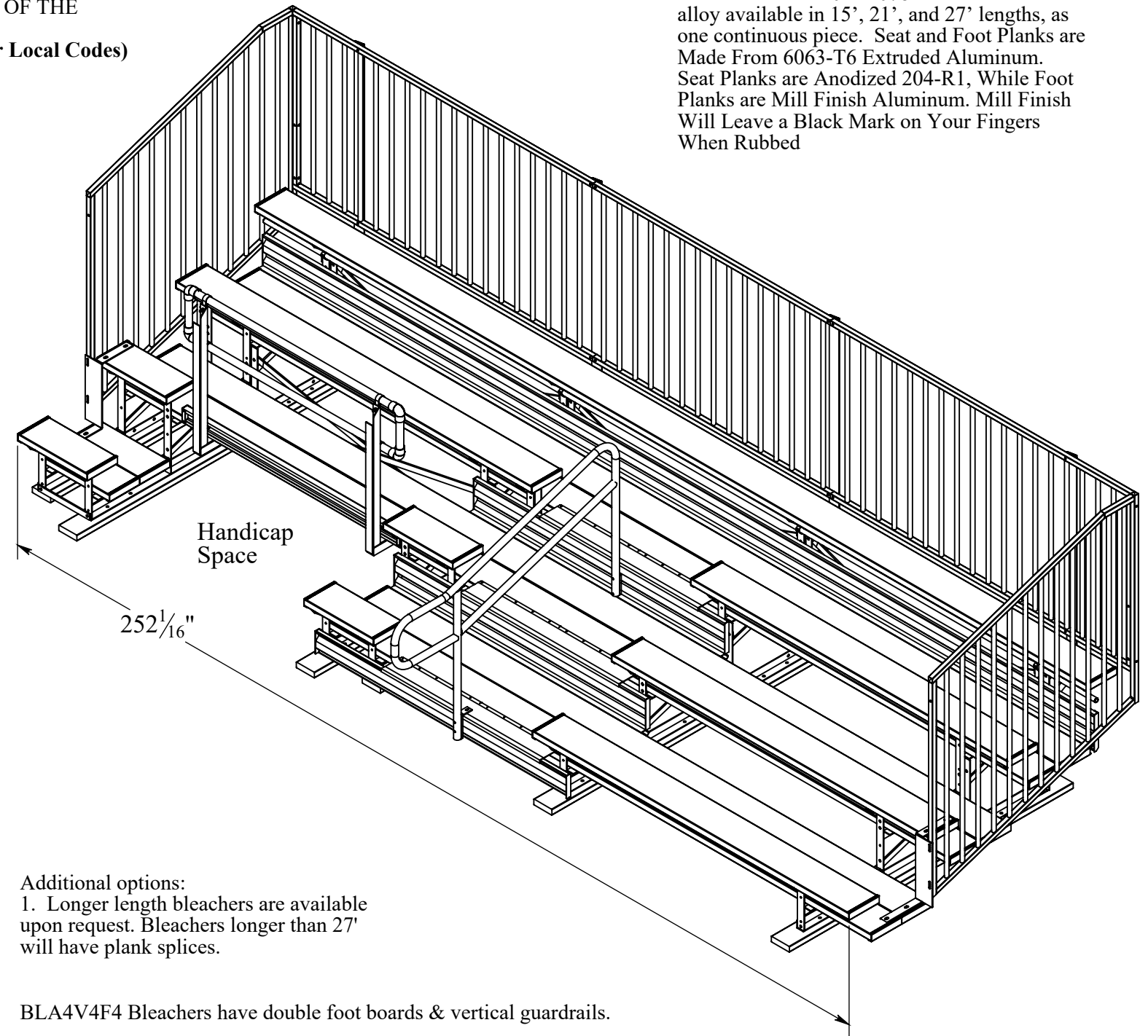


1. Frames are fabricated from 2" x 2" x 1/16" 6061-T6 aluminum angles.
2. 1st and 2nd row tube braces are 1" O.D. tubing and 1/4" thick flanges for bolting, with a galvanized finish.
3. X braces are fabricated from 3/8" x 1-1/2" 6061-T6 aluminum flat bars.
4. Seat brackets are fabricated from 1/8" 6061-T6 aluminum extrusions.
5. Vertical guard rail frames are welded using 14 gauge 1-1/4" square tubing, and the vertical bars are 18 gauge 1" O.D. tubing, with a hot dip galvanized finish.
6. All bolted joints use 1/2" diameter zinc/empigard plated nuts and bolts or 3/8" flange hex nuts.
7. We use bolts for joining rather than welds to avoid stress cracking associated with welding.
8. All bleachers have frames that are on 6' centers with 18" of plank overhang on each end.
9. 7-1/2' bleachers are 2 frames wide.
10. 15' bleachers are 3 frames wide.
11. 21' bleachers are 4 frames wide.
12. 27' bleachers are 5 frames wide.


Available planking:

1. Nominal 2" x 10" x .078" thick aluminum alloy available in 15', 21', and 27' lengths, as one continuous piece. Seat and Foot Planks are Made From 6063-T6 Extruded Aluminum. Seat Planks are Anodized 204-R1, While Foot Planks are Mill Finish Aluminum. Mill Finish Will Leave a Black Mark on Your Fingers When Rubbed



Additional options:  
1. Longer length bleachers are available upon request. Bleachers longer than 27' will have plank splices.

BLA4V4F4 Bleachers have double foot boards & vertical guardrails.

GENERAL NOTES:		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 K Industries, Inc.					
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/32 BEND ± 1/2" THREE PLACE DECIMAL ± .005  Do Not Scale Drawing		DRAWN	DAT	11/11/2016	TITLE:				
				CHECKED			DESC. 4 ROW ALUMINUM BLEACHER -48" AISLE- DOUBLE WIDE HC SPACE				
				ENG APPR.							
				MFG APPR.							
		MATERIAL		Last Saved	11/15/2016 10:48:00 AM		S:\CADDRWGS\Solidworks\Bleachers\BLA\BLA Assemblies\Bleachers (17in)\				
				COMMENTS:		SIZE <b>B</b>		PART NO. BLA4A21V4F448AHRDWCS (Spec)	REV		
		SHEET 1 OF 1									
Path to Part or Assy - BLA4A21V4F448AHRDWCS (Spec)      S:\CADDRWGS\Solidworks\Bleachers\BLA\BLA Assemblies\Bleachers (17in)\      BLA4A21V4F4											

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Specifications are Subject to Change  
without Notice