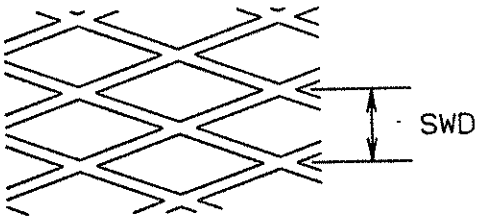
DRAWN	ERK	TITLE	ITEM NUMBER
APPRV	KCB	SHEET - ALUMINUM EXPANDED, 5005	48-00601
DATE	06/28/88	FREIGHTLINER CORPORATION PORTLAND, OREGON	SHEET 1 OF 1

SCOPE: THIS SPECIFICATION IDENTIFIES 5005 ALUMINUM EXPANDED SHEET.

APPLICATION: VARIOUS NON-SKID APPLICATIONS.

SKETCH:



SPECIFICATION NUMBERS:

STYLE	SIZE (SWD X GA.)	ALLOY AND TEMPER	FREIGHTLINER SPECIFICATION NUMBERS
STD. NOT FLAT	1/2"-.051S	* 5005 H34	48-00601-000
	1/2"-.081S		-001
	3/4"-.051S		-002
	3/4"-.081HS		-003
	3/4"-.125S		-004
	1 1/2"-.081S		-005
	1 1/2"-.125S		-
FLAT	1/2"-.051F		-007
	1/2"-.081F		-
	3/4"-.051F		-
	3/4"-.081HF		-
	3/4"-.125F		-011
	1 1/2"-.081F		-
	1 1/2"-.125F		-
STD. NOT FLAT	1/2"-.081S	** 5052 H32	-501
	3/4"-.081S		-503
	3/4"-.125S		-504
	1 1/2"-.125S		-506

* ALTERNATE MATERIAL: 3003 H14 AND 5052 H32.

** MATERIAL NOT READILY AVAILABLE.

SPECIFICATIONS:

1. MECHANICAL PROPERTIES NOT NORMALLY PUBLISHED.

CHG	JOB/RLSE NO	DATE	BY	REVISION
D	P2056H-01	05/22/91	ERK	REVISED AND REDRAWN

48-00602

Materials Specification

PRINT ISSUED	TITLE	PART NO.
7/19/71	TREAD PLATE 6061 ALUMINUM, DIAMOND	48-00602
LAST CHG. LTR B		SHEET 1 OF 1

CHG	BY	DATE	WAS

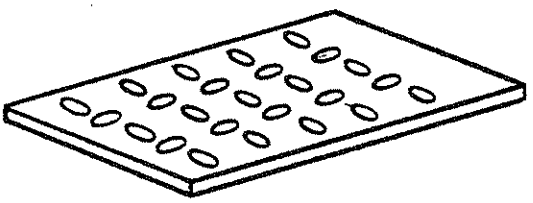
SCOPE

This specification identifies 6061 diamond aluminum tread plate.

APPLICATION

Non-skid surfaces

SKETCH



SPECIFICATION NUMBERS

SIZE	TEMPER	FREIGHTLINER SPECIFICATION NUMBER
.100	T-6	48-00602-000 -
.125	T-6	-001
.188	T-6	-002
.250	T-6	-003
.375	T-6	-004
.500	T-6	-

CHG	BY	DATE	WAS
A	MAR	6-23-71	Added Note 2
B	ERK	01/05/89	Rmvd. -003. Rev. Elong. PA2006-02

SPECIFICATIONS

1. Tread plate herein described shall meet applicable provisions of ASTM B209.

2. Mechanical Properties:

TEMPER	MINIMUM PROPERTIES		
	TENSILE ULT. KSI	YIELD KSI	ELONGATION % IN 2 INCHES
T-6	38-42*	32-35*	9-10*

*Varies with thickness

		DATE DRAWN			UNIT OF MEASURE
COMPILED	RWG	4-27-71			LB.
APPROVED					

ns

Portland FREIGHTLINER CORPORATION Oregon 97208

Materials Specification

PRINT ISSUED	TITLE	PART NO.
7/19/71	TREAD PLATE 6061 ALUMINUM, DIAMOND	48-00602
LAST CHG. LTR: A		SHEET 1 OF 1

CHG	BY	DATE	WAS

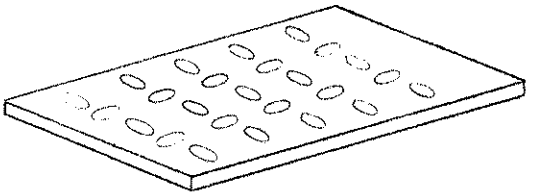
SCOPE

This specification identifies 6061 diamond aluminum tread plate.

APPLICATION

Non-skid surfaces

SKETCH



SPECIFICATION NUMBERS

SIZE	TEMPER	FREIGHTLINER SPECIFICATION NUMBER
.100	T-6	48-00602-000
.125	T-6	-001
.188	T-6	-002
.250	T-6	-003
.375	T-6	-004
.500	T-6	-005

CHG	BY	DATE	WAS
A	RLR	6-23-71	Added Note 2

SPECIFICATIONS

1. Tread plate herein described shall meet applicable provisions of ASTM B209-68.

2. Mechanical Properties:

TEMPER	MINIMUM PROPERTIES		
	TENSILE ULT. KSI	YIELD KSI	ELONGATION % IN 2 INCHES
T-6	38-42*	32-35*	6-10*

*Varies with thickness

COMPILED	RWG	DATE DRAWN			UNIT OF MEASURE
APPROVED		4-27-71			LB.

ns

Portland FREIGHTLINER CORPORATION Oregon 97208

48-00603

Materials Specification

PRINT ISSUED	TITLE	PART NO.
8/13/71	SAFETY GRATING 5052 ALUM.	48-00603
LAST CHG. LTR B		SHEET 1 OF 1

CHG	BY	DATE	WAS

SCOPE

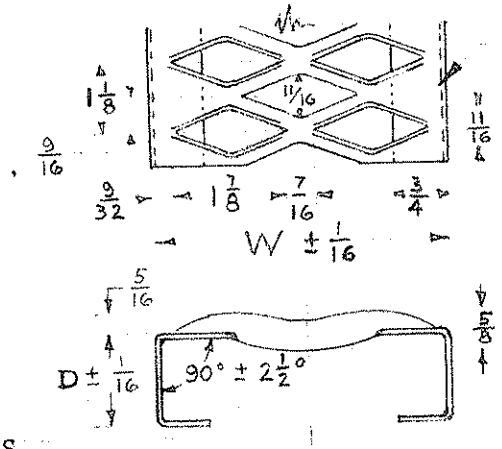
This specification identifies a serrated safety grating of 5052 Aluminum.

APPLICATION

Non-Skid steps.

SKETCH

-001 SHOWN



SPECIFICATION NUMBERS

GAUGE	D DEPTH ±.06	W WIDTH ±.06	WT LB/FT	MANUFACTURER'S NUMBER GL	TEMPER	FREIGHTLINER SPECIFICATION NUMBER
.081	2	4.75	.92	220-A-IS -0 Temper	-0	48-00603-001
		11.75	1.59	520-A-IS		-002
		7.00	1.15	320-A-IS		-003
		9.50	1.37	420-A-IS		-004
		4.75	.92	220-A-IS -H32	-H32	-201
		11.75	1.59	520-A-IS		-202
		7.00	1.15	320-A-IS		-203
		9.50	1.37	420-A-IS		-204

SPECIFICATIONS

1. Material: 5052 Aluminum Alloy (See Table)
2. Finish: Mill Finish.

ENGINEERING NOTES

1. Open area: -001 = 37%, -002 = 45%, -003 = 42%, -004 = 43%.
   -201 -202 -203 -204

CHG	BY	DATE	WAS
A	HJR	2-1-72	Add -002,-003,-004 J #84910
B	HJR	3-14-72	Add -200-series for H32 temper; J #85360

COMPILED	HJR	DATE DRAWN			UNIT OF MEASURE
APPROVED		7-28-71			FT.

Portland FREIGHTLINER CORPORATION Oregon 97208

48-00604

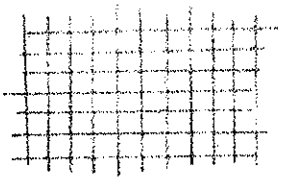
Materials Specification

PRINT ISSUED	TITLE	PART NO.
9-17-71	WIRE SCREEN, ALUMINUM	48-00604
LAST CHG. LTR.		SHEET 1 OF 1

SCOPE This specification identifies aluminum wire screen mesh.

APPLICATION Suitable for traps, guards, screens, filters, etc.

SKETCH



SPECIFICATION NUMBERS

SIZE ASTM SIEVE SIZE OR NUMBER	OPENING INCHES	WIRE DIAMETER RANGE		FREIGHTLINER SPECIFICATION NUMBER
3 (1/4 in.)	.250	.063 - .083		48-00604-000
3 (1/2 in.)	.223	.050 - .075		-001
4	.187	.045 - .066		-002
5	.157	.039 - .058		-003
6	.132	.034 - .052		-004
7	.111	.031 - .047		-005
8	.0937	.0291 - .0433		-006
10	.0787	.0268 - .0394		-007
12	.0661	.0244 - .0354		-008

SPECIFICATIONS

1. Material: Aluminum Wire Mesh

WAS	DATE	BY	CHG

WAS	DATE	BY	CHG

ns

COMPILED	RLR	DATE DRAWN			UNIT OF MEASURE
APPROVED	Orvil	8-31-71			SQ. FT.

PRINT ISSUED	TITLE	PART NO.
9-13-71	CORRUGATED SHEET, ALUMINUM, ALCLAD 3004	48-00605
LAST CHG. LTR		SHEET 1 OF 1

WAS

CHG	BY	DATE

SCOPE This specification identifies corrugated aluminum sheet commonly used for commercial roofing and siding.

APPLICATION Used where additional rigidity is required.

SKETCH



SPECIFICATION NUMBERS

THICKNESS	CORRUGATION	FINISH		FREIGHTLINER SPECIFICATION NUMBER
.024	2.67 x .875	Mill		48-00605-000
.032				-001

WAS

CHG	BY	DATE

SPECIFICATION

1. Material: Aluminum Alclad 3004 Conforming to ASTM B209 (latest)

		DATE DRAWN			UNIT OF MEASURE
COMPILED	RLR	8-26-71			LB
APPROVED					

ns

Portland FREIGHTLINER CORPORATION Oregon 97208

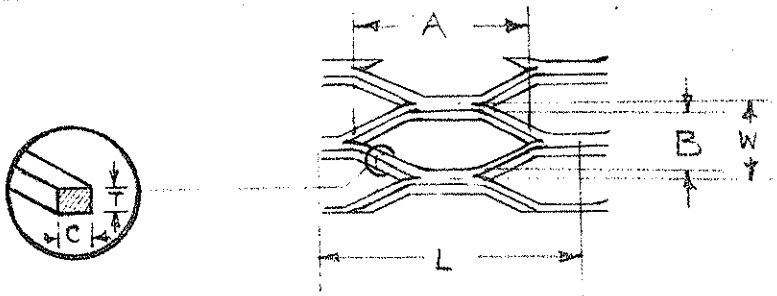
Materials Specification

PRINT ISSUED	TITLE	PART NO.
	CRATE, EXPANDED ALUM.	48-00606
LAST CHG LTR		SHEET 1 OF 1

SCOPE This specification describes cold drawn expanded aluminum grating.

APPLICATION Walkways and catwalks.

SKETCH



SPECIFICATION NUMBERS

T	DIAMOND		OPENING		STRAND WIDTH C	WT. LB/FT² (APPROX.)		FREIGHTLINER SPECIFICATION NUMBERS
	L	W	A	B				
.250	5.33	1.412	3.26	.914	0.400	2.0		48-00606-025

SPECIFICATIONS

1. Material: Aluminum 5052-H32
2. Finish: As formed.

CHG	BY	DATE	WAS

CHG	BY	DATE	WAS
1	—	—	Job No. 84100

COMPILED	HJR	DATE DRAWN			UNIT OF MEASURE
APPROVED	Rollins	12-30-71			SQ. FT.

ns

Portland FREIGHTLINER CORPORATION Oregon 97208

48-00608

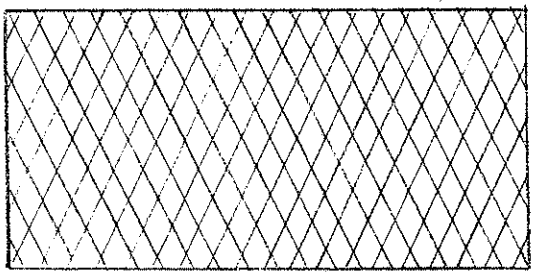
Materials Specification

PRINT ISSUED	TITLE	PART NO.
	SHEET, PATTERNED, ALUMINUM (DIAMOND)	48-00608
LAST CHG. LTR		SHEET 1 OF 1

SCOPE This specification identifies two-surface diamond-patterned aluminum flat or coiled sheet.

APPLICATION Decorative paneling, kick-plate on doors, etc.

SKETCH



SPECIFICATION NUMBERS

T NOMINAL * THICKNESS		ALLOY (1) & TEMPER	MANUFACTURER'S NUMBER ALU		FREIGHTLINER SPECIFICATION NUMBER***
.050		5052-H	E-13 **		48-00608-050

* Thickness after pattern rolling will be approximately .006 - .010 in. heavier than nominal thickness specified.

** Specify thickness, alloy and temper when ordering this pattern.

***Dash number is nominal thickness in thousandths of an inch.

SPECIFICATIONS

(1) Material: See table.

2. Finish: Mill finish.

ENGINEERING NOTES

1. Note that pattern No. E-13 has certain directional properties. During pattern rolling the leading edge of the diamonds is rounded while the trailing edge remains pointed. For maximum uniformity of appearance, abutting panels of E-13 pattern sheet should be installed with the trailing edge of the pattern in the same direction.

CHG	BY	DATE	WAS

CHG	BY	DATE	WAS
-	-	-	J # A0479

ns

COMPILED	HJR	DATE DRAWN			UNIT OF MEASURE
APPROVED	Rollins	6-21-73			SQ. FT.

Portland FREIGHTLINER CORPORATION Oregon 97208

48-00610

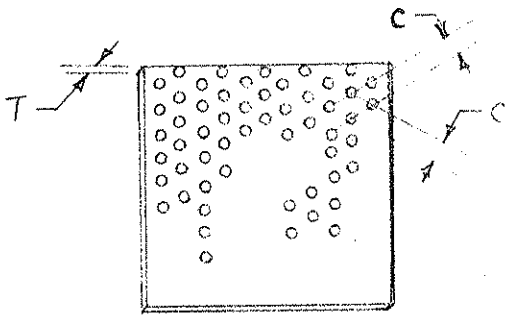
Materials Specification

PRINT ISSUED		TITLE	PART NO.
		SHEET, PERFORATED ALUMINUM	48-00610
LAST CHG. LTR.	–		SHEET 1 OF 1

SCOPE This specification identifies perforated aluminum sheet.

APPLICATION Fuel screen, etc.

SKETCH



SPECIFICATION NUMBERS

T THICKNESS (IN.)	HOLES DIA (IN.)	HOLES CENTERS (IN.)	HOLES OPENING %	HOLES PATTERN	MATERIAL (1)	MFR	FREIGHTLINER SPECIFICATION NUMBER
0.050	1/4	.38	40.28	Staggered	Alum 3003-H14	DUC	48-00610-050

SPECIFICATIONS

(1) Material: (See table above)

2. Finish: Mill.

WAS	CHG	BY	DATE

WAS	CHG	BY	DATE
J #A0524	—	—	—

COMPILED	H.J.R.	DATE DRAWN			UNIT OF MEASURE
APPROVED	Rollins	9-18-73			SQ. FT.

Portland FREIGHTLINER CORPORATION Oregon 97208

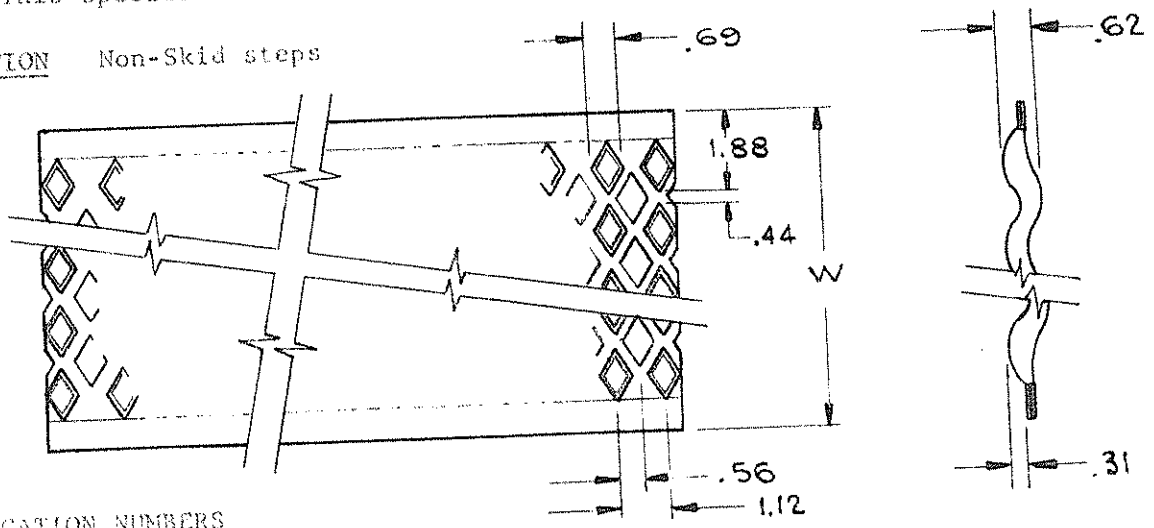
Materials Specification

PRINT ISSUED	TITLE	PART NO.
	SAFETY GRATING ALUM	48-00611
LAST CHG. LTR.		SHEET 1 OF 1

SCOPE This specification identifies a serrated safety grating

APPLICATION Non-Skid steps

SKETCH



SPECIFICATION NUMBERS

THICKNESS	W	MANUFACTURERS NUMBER GL		FREIGHTLINER SPECIFICATION NUMBER
.081	8.81	215-A-1S-F		48-00611-002
	11.25	315-A-1S-F		-003
	13.56	415-A-1S-F		-004
	15.88	515-A-1S-F		-005
	23.06	815-A-1S-F		-008

SPECIFICATIONS

1. Material: 5052-0 Aluminum
2. Finish: Mill finish

ENGINEERING NOTES

COMPILED	D. LeL.	DATE DRAWN		MATERIAL	UNIT OF MEASURE
APPROVED	Jim S	2-14-74			FT.

Portland FREIGHTLINER CORPORATION Oregon 97208

CHG	BY	DATE	WAS

CHG	BY	DATE	WAS
1			#A0573

Material Specification

ORIGINAL JOB NO.	TITLE	PART NO.
E0685	BRIGHT TREAD PLATE, 5086 ALUMINUM DIAMOND	48-00613
LAST CHG LTR		SHEET 1 OF 1

LTR	JOB NO.	BY	DATE	CHANGE INFORMATION

LTR	JOB NO.	BY	DATE	CHANGE INFORMATION

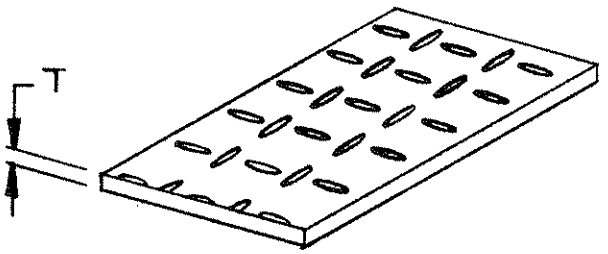
SCOPE

This specification identifies 5086 diamond bright aluminum tread plate

APPLICATION

Non- Skid Surfaces

SKETCH



SPECIFICATION NUMBERS:

Thickness T (inches)	Temper	FREIGHTLINER SPECIFICATION NUMBER
.100	H34	48-00613-000
.125	H34	-001
.156	H34	-002

SPECIFICATIONS

1. Tread plate herein described shall meet applicable provisions of ASTM B209-78

2. Mechanical Properties:

Temper	MINIMUM PROPERTIES		
	Tensile KSI	Yield KSI	Typical Elongation
H34	47	37	10%

COMPILED	MDJS/TN	DATE DRAWN			UNIT OF MEASURE
APPROVED	FE/AQ	10-23-81			LB.

48-00

Materials Specification

PRINT ISSUED	TITLE	PART NO.
7/19/71	CIRCLE, ALUMINUM 3003	48-00651
LAST CHG LTR: D		SHEET 1 OF 1

CHG	BY	DATE	WAS

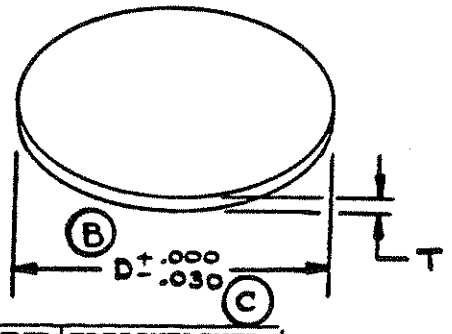
SCOPE

This specification identifies 3003 aluminum circle.

APPLICATION

Sheet metal work requiring good workability, weldability, and corrosion resistance.

SKETCH



SPECIFICATION NUMBERS

THICKNESS T	DIAMETER D	TEMPER	FREIGHTLINER SPECIFICATION NUMBERS
			48-00651-
.091	25.50	H-14	-004
.091	30.25	H-14	-006

CHG	BY	DATE	WAS
A	RLR	6-23-71	Added Note 2
B	JB	10-30-84	ADDED TOLERANCE
C	SJ	3-20-86	-.062 TO -.030
D	ERK	12/08/88	Rmvd Inactive #s-P*A078-95

SPECIFICATIONS

1. Circle herein described shall meet applicable provisions of ASTM B209.
2. Mechanical properties:

TEMPER	MINIMUM PROPERTIES		
	TENSILE ULT. KSI	YIELD KSI	ELONGATION % IN 2 INCHES
H-14	20	17	5

ns

COMPILED	RWG	DATE DRAWN	MASTER #	MASTER #	UNIT OF MEASURE
APPROVED	RWG	4-28-71			LB.

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E-183

48-00653

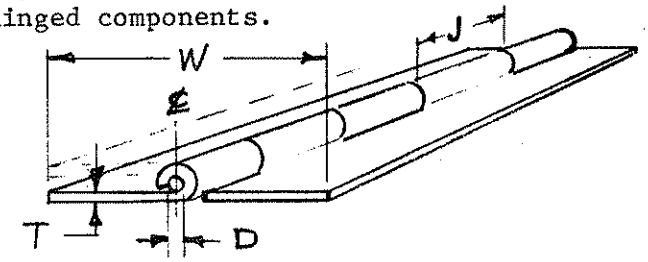
Materials Specification

PRINT ISSUED	TITLE	PART NO.
10/13/71	HINGE, BUTT ALUM.	48-00653
LAST CHG. LTR. G		SHEET 1 OF 1

SCOPE This specification identifies continuous strip light duty hinge.

APPLICATION Typically used on baggage door, dash panel, oil fill and other small hinged components.

SKETCH



SPECIFICATION NUMBERS

W WIDTH (INCHES)	T THICKNESS (INCHES)	D PIN (INCHES)	MATERIAL ① LEAF	MATERIAL ① PIN	J JOINT	FIN-ISH	MFR'S NUMBER LAD	MFR'S NUMBER HDB	FREIGHTLINER SPECIFICATION NUMBER
1.50	0.040	.095	A	B	0.50	M			48-00653-001
2.00	0.051	.095	A	B	0.50	M			-002
2.00	0.062	.125	A	S	0.50	M			-003
1.50	0.040	.095	A	S	0.50	M			-004
2.50	0.060	.125	A	S	0.50	M		A-10752SS	-005
3.00	0.071	.250	A	S	2.00	M			-007
1.06	0.040	.095	A	B	0.50	BA	A401069A5		-101
2.00	0.062	.125	A	B	0.50	M			-006

SPECIFICATIONS

① Material: Leaves: Aluminum 5052-H34 = A
Pin: Brass = B, Stainless Steel = S

2. Finish: M= Mill (-0xx)
BA= Black Anodized (-1xx)

3 Manufacturer's standard length for continuous hinge is 72".

CHG	BY	DATE	WAS
D	HJR	7-2-74	Add -005; J#A0636
E	RC	5-13-77	Add -006; J#C1111
F	DL	7-18-77	Add -007; J#A0868
G	TD	8/24/79	3.50 to 3.00 74785

CHG	BY	DATE	WAS
A	HJR	5-12-72	Add Mat'l data & -003 J #85610
B	DL	4-10-73	Add -004; J #A0227
C	HJR	4-18-74	.090; add -101; J#A0609

COMPILED	HJR	DATE DRAWN			UNIT OF MEASURE
APPROVED		10-1-71			FT.

Portland FREIGHTLINER CORPORATION Oregon 97208

48-00654

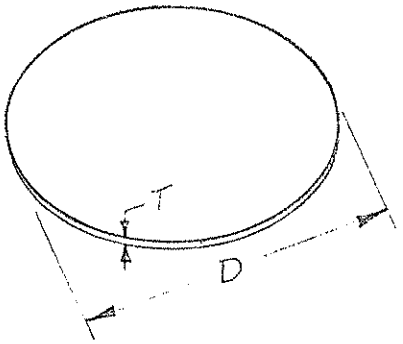
Materials Specification

PRINT ISSUED		TITLE	PART NO.
		CIRCLE, ALUMINUM 5052	48-00654
LAST CHG. LTR.			SHEET 1 OF 1

SCOPE This specification identifies 5052 aluminum circles.

APPLICATION Blanks for fuel tank ends, baffles, etc.

SKETCH



SPECIFICATION NUMBERS

T THICKNESS (INCHES)	D DIAMETER BLANK	TEMPER 1		FREIGHTLINER SPECIFICATION NUMBERS
0.125	25.50	H32		48-00654-204
0.125	30.25	H32		-206
0.125	32.25	H32		-208

SPECIFICATIONS

1 Material: 5052 Aluminum (see table for temper).

2. Mechanical Properties:

TEMPER	TENSILE ULT KSI RANGE	YIELD KSI MIN	ELONGATION % IN 2 INCHES
-H32	31.0-38.0	23.0	9

CHG	BY	DATE	WAS

CHG	BY	DATE	WAS
-	-	-	J #60110

COMPILED	HJR	DATE DRAWN			UNIT OF MEASURE
APPROVED	Rollins	10-31-72			LB.

Portland FREIGHTLINER CORPORATION Oregon 97208

E-183