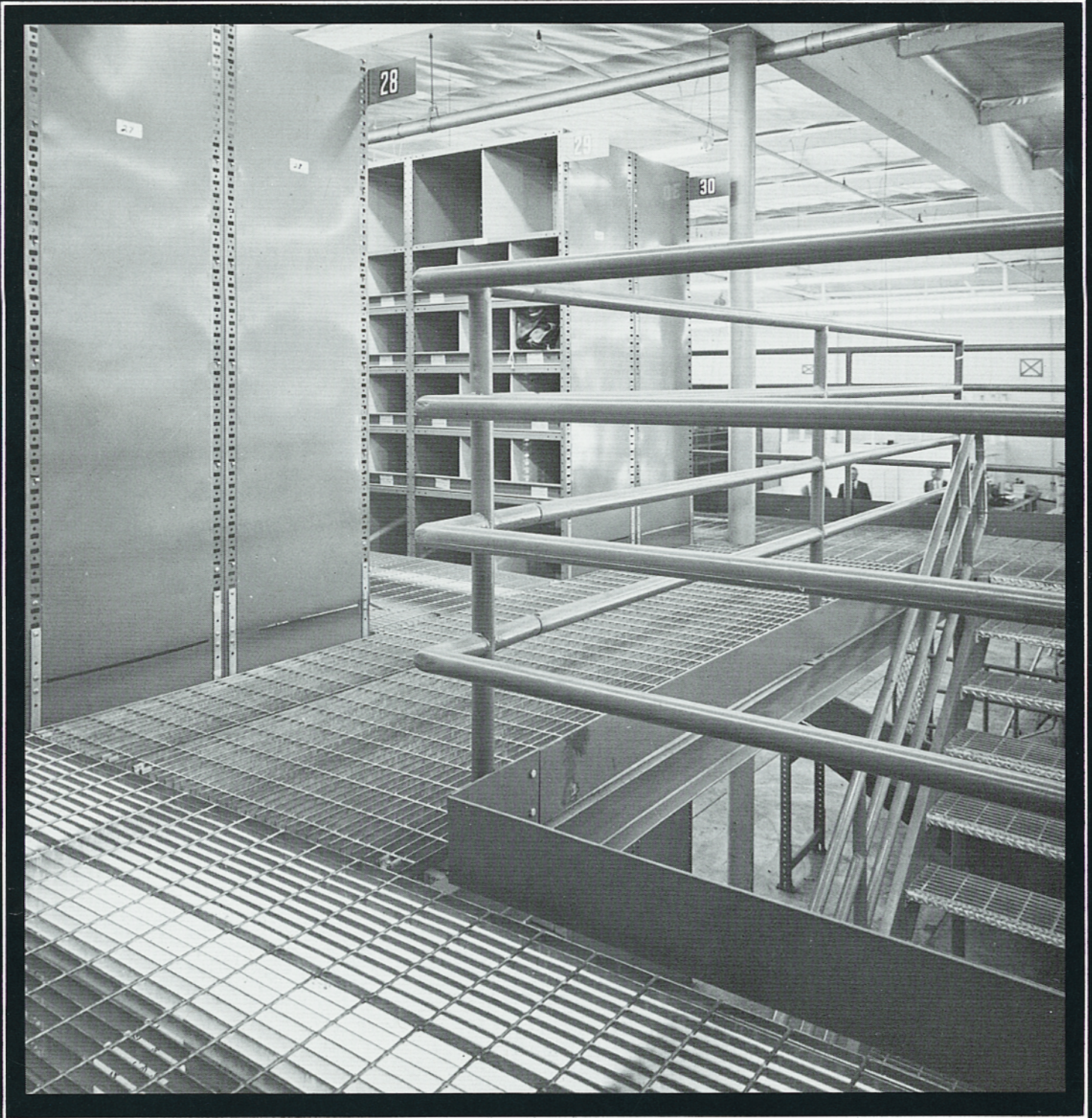


Mezzanine Grating



IKE BORDEN®
a harsco company

Load Tables

		SPAN							
SIZE	B.B. SIZE	*	2'0"	2'6"	3'0"	3'6"	4'0"	4'6"	
W/B 2	3/4 X 3/16	U	581	372	258	190	145	115	
		D	.096	.150	.216	.294	.382	.485	
		C	581	465	387	332	290	258	
W/B 3	1 X 1/8	D	.077	.120	.173	.235	.307	.388	
		U	686	439	305	224	172	136	
		D	.072	.112	.162	.220	.289	.365	
W/B 4	1 X 3/16	C	686	549	458	392	343	305	
		D	.058	.090	.130	.176	.230	.292	
		U	1030	659	458	336	257	203	
W/B 5	1 1/4 X 1/8	D	.072	.112	.162	.220	.289	.365	
		C	1030	824	686	588	515	458	
		D	.058	.090	.130	.176	.230	.292	
W/B 6	1 1/4 X 3/16	U	1072	686	477	350	268	212	
		D	.058	.090	.130	.176	.230	.292	
		C	1072	858	715	613	536	477	
W/B 7	1 1/4 X 1/2	D	.046	.072	.104	.141	.184	.233	
		U	1610	1031	716	526	403	318	
		D	.058	.090	.130	.176	.230	.292	
W/B 8	1 1/4 X 3/4	C	1610	1288	1074	920	805	716	
		D	.046	.072	.104	.141	.184	.233	
		U	2581	1610	1107	805	603	477	

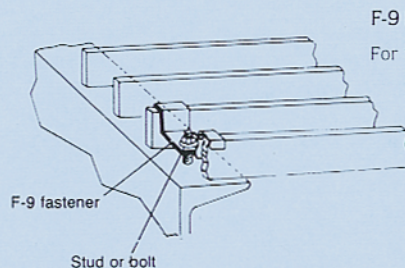
*U = safe uniform load, lb/sq ft. D = deflection in inches.

C = safe concentrated load, lb/ft of grating width at mid-span. Theoretical values based on F = 18,000 psi, E = 30,000,000 psi, cross section of bearing bar.
Material: ASTM A-569 standard. ASTM A-570 available on specification.

Panel Widths

No. of Bars	TYPE W/B.
2	1 3/8"
3	2 3/16"
4	3 3/4"
5	4 15/16"
6	6 1/8"
7	7 5/16"
8	8 1/2"
9	9 11/16"
10	10 7/8"
11	12 1/16"
12	13 1/4"
13	14 7/16"
14	15 5/8"
15	16 13/16"
16	18"
17	19 3/16"
18	20 3/8"
19	21 9/16"
20	22 3/4"
21	23 5/16"
22	25 1/8"
23	26 5/16"
24	27 1/2"
25	28 11/16"
26	29 7/8"
27	31 1/16"
28	32 1/4"
29	33 7/16"
30	34 5/8"
31	35 3/16"

FASTENING METHODS



F-9 Fastener
For 1 3/16" B.B. Centers

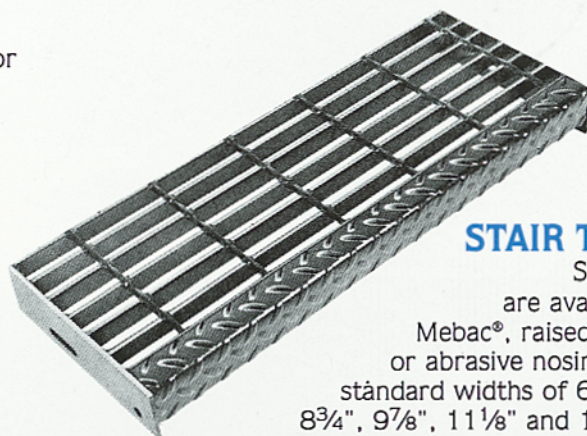
All grating must be fastened in place. Welding of the grating panel to the supporting members provides the most rigid, permanent installation. Where panels may have to be removed, the F-9 saddle clip fastener is recommended for most mezzanine installations. A nut and bolt, stud or self tapping screw can be used to fasten the clip to the supporting member.

FINISHES

Mezzanine grating is available with standard shop coat of black or red paint, special high reflectivity aluminum paint, or galvanized. A serrated slip resistant surface is available for use where dangerous footing is possible.

Weights per Sq. Ft.

SIZE #	B.B. SIZE	W/B lb/ft
3	1 X 1/8	5.2
4	1 X 3/16	7.5
5	1 1/4 X 1/8	6.3
6	1 1/4 X 3/16	9.1



STAIR TREADS

Stair treads are available with Mebac®, raised lug plate, or abrasive nosings, and in standard widths of 6 3/8", 7 1/2", 8 3/4", 9 7/8", 11 1/8" and 12 1/4" with raised lug plate nosings. Treads with abrasive or Mebac nosings are 1/8" less in width.

For more information on IKG Borden products call or write the sales office listed below:

IKG BORDEN®

a harsco company

Executive Offices:

IKG INDUSTRIES
Harsco Corporation
270 Terminal Avenue
Clark, NJ 07066
732-815-9500
Fax: 732-815-9557
E-mail:
sales@ikgindustries.com
Website:
www.ikgindustries.com

P.O. Box 549
Leeds, AL 35094
205-699-5008
Fax: 205-699-5007

P.O. Box 449
Madera, CA 93639
800-545-4463
Fax: 209-673-1492

49-15 27th Street
Long Island City, NY 11101
718-729-8810
Fax: 718-937-5624

1400 Metals Drive
Charlotte, NC 28206
704-596-4095
Fax: 704-597-9129

2020 West 21 Street South
Tulsa, OK 74107
800-324-8417
Fax: 281-457-6054

P.O. Box 100930
Nashville, TN 37224
800-467-2345
Fax: 615-244-2235

P.O. Box 310
Channelview, TX 77530
281-452-0709
Fax: 281-457-6054

Canada
4325 Steeles Avenue W.
Downsview, Ont. M3N 1V7
416-739-9597
Fax: 416-739-8309

IKG GREULICH®

a harsco company
R.D. 2, Route 910
Cheswick, PA 15024
412-828-2223
Fax: 412-828-4103

IKG FIBERGLASS SYSTEMS

a harsco company
1033 Herman St.
Nashville, TN
615-782-4700
Fax: 615-726-2023

Associate Member Steel Service Center Institute

MEMBER
NAMM
THE NATIONAL ASSOCIATION
OF ARCHITECTURAL METAL
MANUFACTURERS

MEZZANINES OF IKG BORDEN GRATING REDUCE OVERHEAD AND S

With the cost of storage space at an all time high, the use of mezzanines as both storage and work areas is increasing. Previously unused air space offers an ideal way of providing greatly expanded floor areas . . . up to well over 100% with multi-level mezzanines.

The use of IKG Borden metal bar grating for mezzanine construction offers the advantages of high strength, light weight, low maintenance, easy installation and efficiency in day to day operation, plus the assurance of high quality and exact fabrication from the country's leading manufacturer of metal grating.

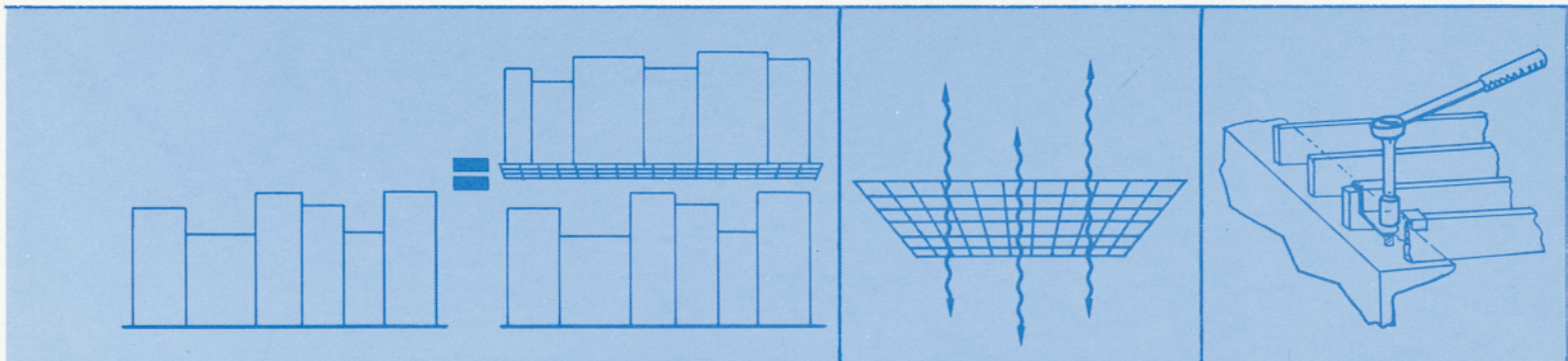
We invite you to discuss your requirements with a member of the IKG Borden engineering staff to find how we can work with you, your contractor or engineer to produce and fabricate the mezzanine installation that will increase your useable space at minimum cost.

Efficient Use of Space

Mezzanines of IKG Borden grating increase useable storage or work space without increasing the size of your building. Installations from coast to coast show that mezzanines can expand the useable area of an existing building by 75% or more, without increasing rents, taxes, utilities or personnel. Compared with stamped or bent metal deck systems, IKG Borden metal bar grating provides greater stability, eliminates rattle and gives you a smoother walking/rolling surface that doesn't collect dust . . . all at a lower installed cost.

Efficient Use of Energy

IKG Borden metal bar grating mezzanines



Efficient Utilization of Existing Space

A single level mezzanine installation can nearly double your useable area, and a two level installation adds even more, without any increase in property costs, taxes or utilities.

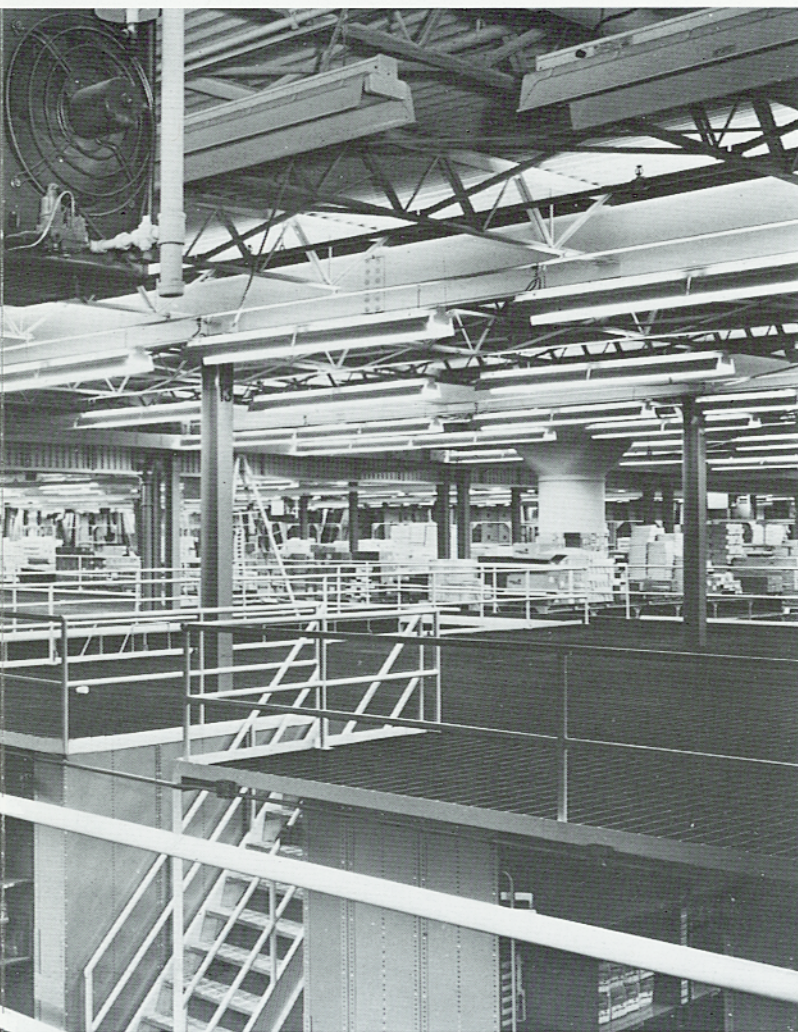
Free Passage of Heat & Air

Metal bar grating mezzanines permit free passage of heat and air, so that your added storage area does not add to your heating and cooling costs.

Easy Installation

IKG Borden mezzanines can be fabricated to your specifications and shipped with key number for fast and easy installation. For local fabrication, stock panels are available for fast shipment.

ING INCREASE USEABLE SPACE, SAVE ON ENERGY COSTS.



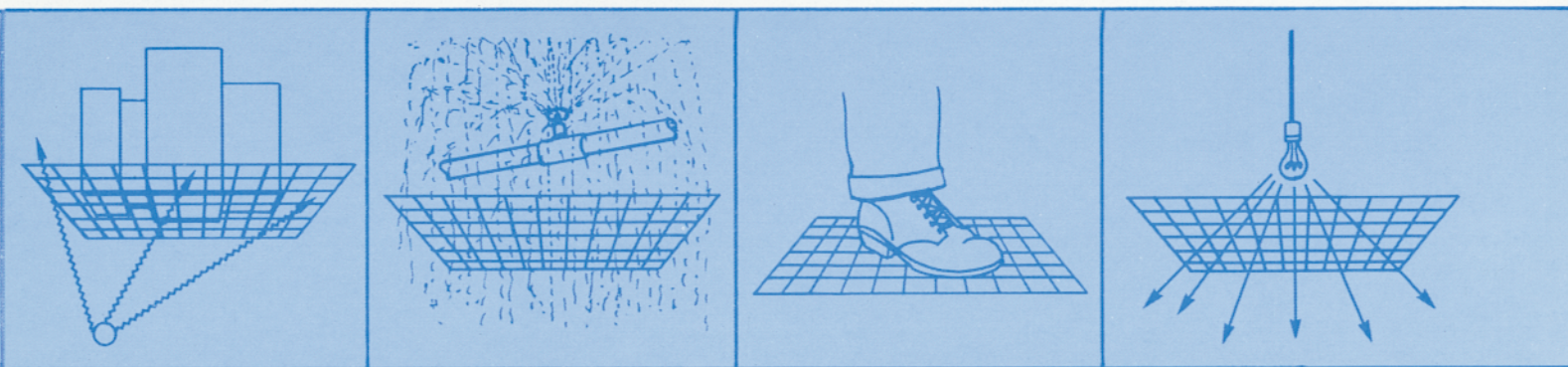
have an 80% open area to permit passage of heat, light and cooling. In fact, the reduction of empty air space reduces the volume of heating and cooling required. For added brightness a special aluminum paint is available, providing high reflectivity and increased illumination on the lower level. Other advantages are that ceiling mounted fire sprinkler units can control both levels without the need for extra installations, and fire insurance requirements are actually reduced. Also, the visibility through the grating permits checking upper level aisles from the first level for maximum security.

Easy, Economical Installation

IKG Borden grating is available in stock panels or fabricated to your specifications and keyed for fast, easy installation. The larger panel sizes available and the built-in strength of metal bar grating eliminates the need for many of the supports required by other flooring systems, resulting in a lower installed cost than other types of deck systems. Stair treads with matching pattern and a selection of nosings are available.

IKG Borden: The Added Benefit

In addition to the high quality and features of IKG Borden grating, users get the benefit of IKG Borden engineering, the convenience of plants from coast to coast and the assurance that all IKG Borden grating is guaranteed for both product quality and fit. It will pay you to go over your requirements with an IKG Borden representative. Let him show you the efficiency IKG Borden grating mezzanines can add to your operation.



Efficient Visual Security

The open deck area permits two level visibility for security and operating checks.

Sprinklers do double duty.

Grating permits water from ceiling mounted sprinklers to fall through and reach the base level. Insurance underwriters and some local fire codes may waive the requirement for additional sprinklers if the percentage of open space is sufficient to meet their standards.

Smooth, Level Surface

IKG Borden metal bar grating provides a strong, flat deck that is comfortable under foot.

Use of Existing Lighting

In most cases, existing lighting will handle a two-level storage area. Where required, the grating can be provided with a highly reflective aluminum paint for increased illumination below the grating deck.