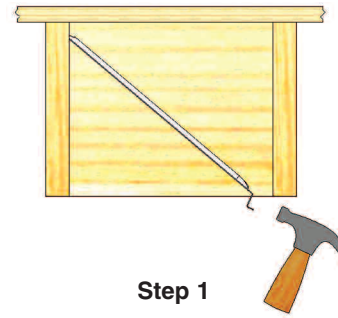
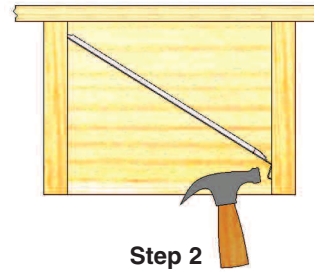


Joist Size	USP Stock No.	Ref. No.	Steel Gauge	Dimensions		Fastener Schedule <sup>1</sup>	Joist Spacing O.C. <sup>2</sup>
				W	L		
2 x 8 - 10 - 12	MB16	---	22	11/16	---	---	16
2 x 8	MBG812	NCA2X8-12	22	15/16	11-3/4	(1) 8d x 1-1/2	12
2 x 8	MBG816	NCA2X8-16	22	15/16	15-9/16	(1) 8d x 1-1/2	16
2 x 8	MBG824	---	22	1-5/16	23-1/2	(1) 8d x 1-1/2	24
2 x 10	MBG1012	NCA2X10-12	22	15/16	12-3/4	(1) 8d x 1-1/2	12
2 x 10	MBG1016	NCA2X10-16	22	15/16	16-5/16	(1) 8d x 1-1/2	16
2 x 10	MBG1024	---	22	1-5/16	24	(1) 8d x 1-1/2	24
2 x 12	MBG1212	NCA2X12-12	22	15/16	14	(1) 8d x 1-1/2	12
2 x 12	MBG1216	NCA2X12-16	22	15/16	17-1/4	(1) 8d x 1-1/2	16
2 x 12	MBG1224	---	22	1-5/16	24-3/4	(1) 8d x 1-1/2	24
2 x 14	MBG1412	---	22	15/16	16	(1) 8d x 1-1/2	12
2 x 14	MBG1416	---	22	15/16	18-7/16	(1) 8d x 1-1/2	16
2 x 14	MBG1424	---	22	1-5/16	25-5/8	(1) 8d x 1-1/2	24
2 x 16	MBG1612	---	22	15/16	17	(1) 8d x 1-1/2	12
2 x 16	MBG1616	---	22	15/16	19-5/8	(1) 8d x 1-1/2	16
2 x 16	MBG1624	---	22	15/16	26-5/8	(1) 8d x 1-1/2	24

1) 8d x 1-1/2 nails are 11 gauge (0.131" diameter) by 1-1/2" long.  
2) Joist spacing is based on a 1-1/2" joist, consult USP regarding wider joist applications.



Step 1



Step 2

**Typical G & MBG installation**

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## PROTECTION PLATES – ICPL SERIES, ID4, KNS1, & PL4

Easy-to-install plates protect plumbing and power/communication wiring from nail or screw penetration.

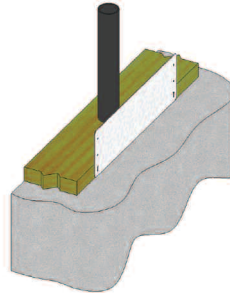
**ICPL58 & ID4** – Installs with nails.

**KNS1 & PL4** – Prongs allow for quick installation.

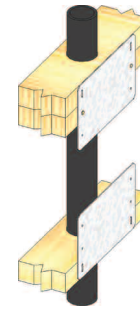
**Materials:** 16 gauge

**Finish:** ICPL516-TZ – G-185 galvanizing;  
All other – Galvanized

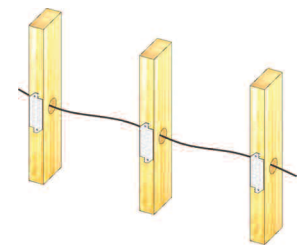
**Options:** ICPL58 is available in Triple Zinc.  
To order, add TZ, to stock number, as in ICPL58-TZ.



**Typical ICPL516-TZ installation**



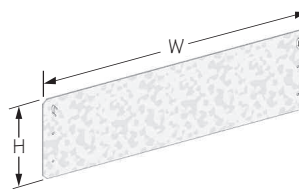
**Typical ICPL58 installation**



**Typical ID4, KNS1, & PL4 installation**

**Installation:**

- Use all specified fasteners. See Product Notes, page 16.
- 16 gauge steel conforms to protection shield plate requirements of the National Electrical Code and International Plumbing Code.



**ICPL516-TZ**



**ICPL58**

USP Stock No.	Ref. No.	Steel Thickness	Dimensions		Fastener Schedule <sup>1</sup>
			W	H	
ICPL58	PSPN58	1/16	8-1/16	5	(4) 8d or prongs
ID4	---	1/16	1-3/8	4-1/4	(2) 8d
PL4	NS2	1/16	2	5	prongs
KNS1	NS1	1/16	1-1/2	3	prongs

USP Stock No.	Ref. No.	Steel Thickness	Dimensions		Installation Type	Fastener Schedule <sup>2</sup>	Allowable Loads <sup>1</sup>			
			W	H			DF-L / SP		S-P-F	
							133%	160%	133%	160%
ICPL516-TZ	PSPN516Z	1/16	16-1/4	5	Sill Plate	(12) 16d + prongs	1130	1355	970	1160
							1505	1805	1290	1550



**ID4**



**KNS1**



**PL4**

1) Allowable loads have been increased 33-1/3% or 60% for wind or seismic loads; no further increase shall be permitted.  
2) Minimum nail penetration shall be 1-5/8" for 16d nails.

Miscellaneous