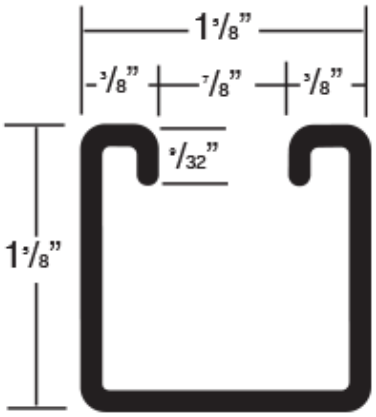
APPROVAL FORM

Note: If you have a special or custom order for a hard-to-find part, you can request it through our Special Order Request Form.

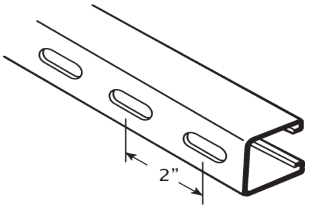
G-STRUT®
METAL FRAMING CHANNEL
WIZARD® ACCESSORIES & G-FORCE® HANGERS

584 SERIES (14 GAUGE) With 9/16 in x 1-1/8 in Slot, 10 ft

G584OS1



Description: With 9/16 in x 1-1/8 in Slot, 10 ft
Gauge: 14 g
Dimensions: 1-5/8'' x 1-5/8''
Finish: Pre-Galvanized
Slot Type: OS (Oval Slot)
Slot Dimension: 9/16' x 1-1/8' - 2' ON CTR
Standard Bundle: 500
Weight (per 100): 140
List Price (per 100'): $405.00 **



* weight is pounds/100 pieces

** These prices are subject to change.

Project Name: _____

Project Start Date: _____

Architect or Engineer: _____

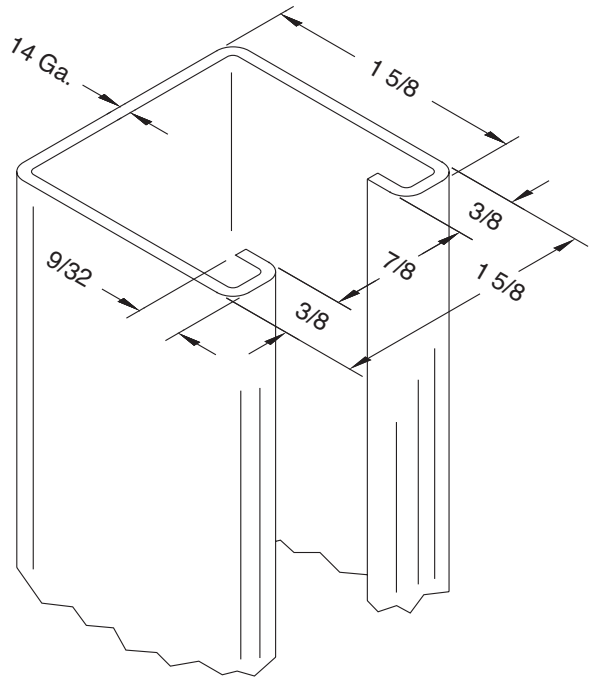
Phone: _____

Contractor(s): _____

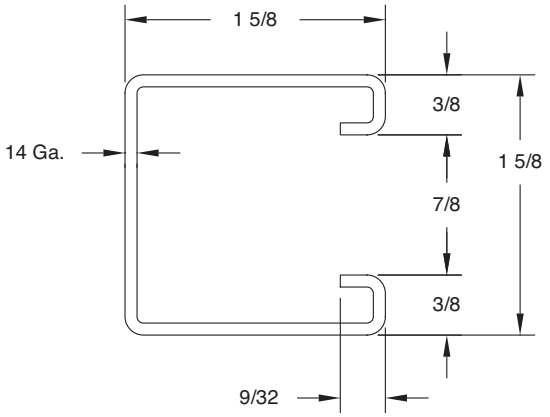
Address: _____

Notes: _____

Approval:



	**G584OS** [Oval-Slot] **9/16" x 1-1/8" – 2" ON CTR**
	**G584LS** [Long-Slot] **13/32" x 3" – 4" ON CTR**
	**G584H** [Holes] **9/16" DIAM. – 1-7/8" ON CTR**
	**G584A** [Back-to-Back] **WELDED**
	**G584KO** [Knock-Out] **7/8" DIAM. – 6" ON CTR**



ITEM	QNT'Y	DESCRIPTION	MATERIAL
			ROLLFORM TOLERANCES
SCALE FULL		CHK'D BY	LENGTH ± 0.125
DWN BY IDI	02-02-02	APP'D BY	ALL OTHER DIMENSIONS ± 0.020"

G-STRUT CHANNEL, PART # G584

CAD FILENAME: G584

LAST PLOT DATE: 02-02-02

GREGORY STRUT PRODUCTS
Division of Gregory Industries
4100 13th Street SW; Canton, OH 44710
PH: 330-477-4800 FX: 330-477-0626

REF. No.

DRWG No.

G584

G-STRUT Channel – G584

1-5/8” x 1-5/8” (1.625” x 1.625”)
14 gauge (0.077” thick)

Elements of Section

Strut Section No.	Weight/ Foot lbs.	Area of Section in.^{2}	X-X Axis			Y-Y Axis		
			Moment of Inertia in.^{4}	Section Modulus in.^{3}	Radius of Gyration in.	Moment of Inertia in.^{4}	Section Modulus in.^{3}	Radius of Gyration in.
G584	1.429	0.42	0.146	0.16	0.59	0.184	0.226	0.662
G584A	2.800	0.824	0.722	0.444	0.936	0.361	0.444	0.661

Beam & Column Loads

Strut Section Number	Beam Span or Column Height	Maximum Column Load	Total Uniform Load at 25,000 PSI	Deflection at 25,000 PSI	Uniform Load at 1/240 Span Deflection
	in.	lbs.	lbs.	in.	lbs.
G584	12	8630	2660	0.01	-
	18	8370	1770	0.03	-
	24	8090	1330	0.05	-
	30	7760	1060	0.08	-
	36	7410	880	0.12	-
	42	7030	760	0.17	-
	48	6620	660	0.22	580
	54	6190	590	0.28	460
	60	5720	530	0.35	370
	66	5230	480	0.42	310
	72	4710	440	0.5	260
	84	3590	380	0.69	190
	96	2750	330	0.89	140
	108	2170	290	1.12	110
	120	1760	260	1.38	90
G584A	24	16250	2700	0.10	2700
	30	15350	2160	0.13	2160
	36	14640	1800	0.15	1800
	42	13850	1540	0.18	1540
	48	13100	1360	0.20	1360
	60	11800	1250	0.25	1250
	72	10770	1250	0.34	1250
	84	9880	1070	0.39	970
	96	8090	940	0.51	740
	108	6390	830	0.63	590
	120	5170	750	0.80	470

For perforated channels, reduce total beam load values as follows:

G584	OS	21%
G584	LS	34%
G584	H	13%
G584	KO	5%

E = 29000; Fy = 42700; K = 0.8

BEAM LOADS: Loads listed are distributed uniformly. For loads concentrated at center of span, multiply uniform load by 0.5 and deflection by 0.8. Where deflection is not a factor, use stress of 25,000 PSI. When deflection is a factor, use deflection of 1/240 span.

COLUMN LOADS: Column loads are for allowable axial loads for the unsupported heights listed (including a K value of 0.80). Column loads must be reduced for eccentric loading.