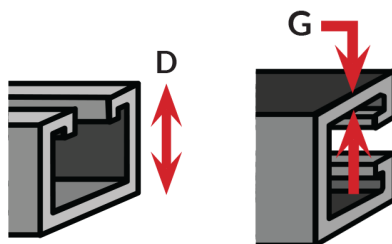
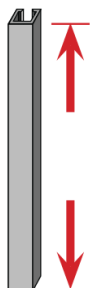


Gauge and Depth



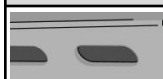
12 GAUGE 0.102
1-5/8" x 13/16" D

Length



- **STANDARD 10'** (Shorter runs for easy handling)
- **STANDARD 20'** (Typical for longer runs)
- **6'8"** (Typical for commercial joists distance)
- **CUSTOM CUT-TO-LENGTH**

Perforation



OVAL SLOT (Half slot) [9/16" x 11/8" x 2" on ctr.]



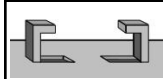
LONG SLOT (Elongated slot) [13/32" x 3" x 4" on ctr.]



ROUND HOLE [9/16" DIAM x 1-7/8" on ctr.]



KNOCK OUT [7/8" DIAM x 6" on ctr.]

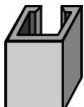


CONTINUOUS CONCRETE INSERT

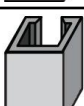


SOLID (No perforation)

Material

	STEEL (Carbon steel, structural grade, 33,000 min yield)
	STAINLESS STEEL [304 or 316]
	ALUMINUM
	FIBERGLASS

Finish

	PRE-GALVANIZED (Continuous galvanized) - G90 zinc coating weight for cost-effective long-term galvanic and barrier corrosion protection
	HOT DIPPED Galvanized (HDG – after fabrication, batch dip) where aqueous or exterior applications require greater corrosion protection
	GREEN Powder or “e”-coated painted topical coating
	PVC COAT Heavy PVC coat for extended barrier protection or cosmetic effects (May PVC coat over plain or galvanized)
	WIZCoat™ GALVANNEAL Paintable pregalvanized material requires no pre-treatment. Easily spray painted post-installation
	PLAIN Untreated, “plain” steel with no topical/barrier coating
	GOLD Yellow zinc dichromate electro-galvanized
	CUSTOM COLORS Custom powder coating available in virtually any color variations



G132 SERIES METAL FRAMING STRUT CHANNEL

Gregory G-STRUT Submittal Form

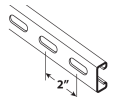
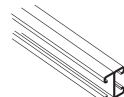
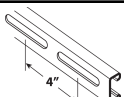
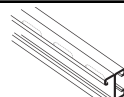
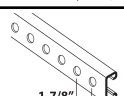
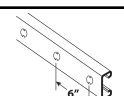
Project Name	
Project Start Date	
Architect or Engineer	
Phone	
Contractor(s)	
Address	
City	
State	
Zip	

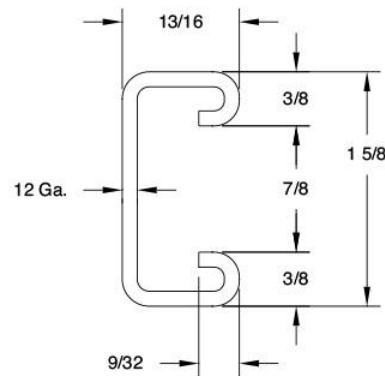
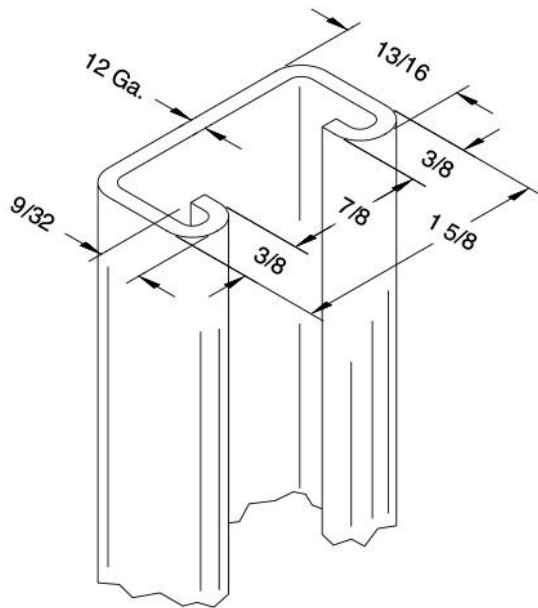
Approval



G132 SERIES METAL FRAMING STRUT CHANNEL

1-5/8" x 13/16" (1.625" x 0.8125") • 12 gauge (0.102" thick)

	G132OS [Oval-Slot] 9/16" x 1-1/8" - 2" ON CTR		G132A [Back-to-Back] WELDED
	G132LS [Long-Slot] 13/32" x 3" - 4" ON CTR		G132AOS [Back-to-Back Oval-Slot] WELDED
	G132H [Holes] 9/16" DIAM. - 1-7/8" ON CTR		G132KO [KNOCK OUT] 7/8" DIAM. - 6" ON CTR



ITEM	QNT'Y	DESCRIPTION	MATERIAL
		ROLLFORM TOLERANCES	
SCALE	FULL	CHK'D BY	LENGTH $\pm 0.125"$
DWN BY	IDI	APP'D BY	ALL OTHER DIMENSIONS $\pm 0.020"$
G-STRUT CHANNEL, PART # G132			
CAD FILENAME G132	GREGORY STRUT PRODUCTS Division of GRegory Industries		REF. No.
LAST PLOT DATE 02-02-02	4100 13th Street SW, Canton, OH 44710 PH: 330-477-4800 • FX: 330-477-0626		DRWG No. G132

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G132 SERIES METAL FRAMING STRUT CHANNEL

ELEMENTS OF SECTION

Strut Section No.	Weight/Foot lbs.	Area of Section in. ²	X-X AXIS			X-Y AXIS		
			Moment of Inertia in. ⁴	Section Modules in. ³	Radius of Gyration in.	Moment of Inertia in. ⁴	Section Modules in. ³	Radius of Gyration in.
G132	1.262	0.371	0.029	0.06	0.28	0.134	0.165	0.601
G132A	2.64	0.75	0.145	0.18	0.435	0.28	0.345	0.6

BEAM & COLUMN LOADS

Strut Section Number	Beam Span or Column Height	Maximum Column Load	Total Uniform Load @ 25,000 psi	Deflection @ 25000 psi	Uniform Load @ 1/240 Span Deflection
	in.	lbs.	lbs.	in.	lbs.
G132	12	6430	1000	0.02	-
	18	5860	660	0.05	-
	24	5180	500	0.1	-
	30	4410	400	0.16	290
	36	3530	330	0.23	200
	42	2630	280	0.32	150
	48	2020	250	0.42	110
	54	1590	220	0.53	90
	60	1290	200	0.66	70
	66	1060	180	0.8	60
	72	-	160	0.92	50
	84	-	140	1.28	30
	96	-	120	1.64	20
	108	-	110	2.14	20
	120	-	100	2.67	10
	132	-	90	3.2	10
	144	-	80	3.69	10
	156	-	70	4.11	10
	168	-	70	5.13	0
	180	-	60	5.41	0
	192	-	60	6.57	0
	204	-	50	6.57	0
	216	-	50	7.8	0
	228	-	50	9.17	0
	240	-	50	10.7	0



G132 SERIES METAL FRAMING STRUT CHANNEL

BEAM & COLUMN LOADS					
Strut Section Number	Beam Span or Column Height	Maximum Column Load	Total Uniform Load @25,000 psi	Deflection @ 25000 psi	Uniform Load @ 1/240 Span Deflection
	in.	lbs.	lbs.	in.	lbs.
G132A	12	13720	3000	0.01	-
	18	13240	2000	0.03	-
	24	12690	1500	0.06	-
	30	12080	1200	0.1	-
	36	11400	1000	0.14	-
	42	10670	850	0.19	760
	48	9880	750	0.25	580
	54	9030	660	0.32	460
	60	8120	600	0.4	370
	66	7150	540	0.48	300
	72	6110	500	0.57	250
	84	4490	420	0.77	190
	96	3440	370	1.01	140
	108	2710	330	1.28	110
	120	-	300	1.6	90
	132	-	270	1.92	70
	144	-	250	2.31	60
	156	-	230	2.7	50
	168	-	210	3.08	40
	180	-	200	3.61	40
	192	-	180	3.94	30
	204	-	170	4.46	30
	216	-	160	4.99	20
	228	-	150	5.5	20
	240	-	150	6.42	20

For Perforated Channels, Reduce Total Beam Load Values as Follows:

G812/G812A	OS	22%
G812/G812A	LS	35%
G812/G812A	H	14%
G812/G812A	KO	6%
E = 29000; Fy = 42700; K = 0.8		



G132 SERIES METAL FRAMING STRUT CHANNEL

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.

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.