

LG CLEANROOM GRID SYSTEMS



LIGHT-DUTY, GASKETED, WIRE-SUSPENDED CEILINGS



CANTRELL DRUG
Little Rock, AR

LG CLEANROOM GRID SYSTEMS

Gordon Cleanroom products model LG-15 is a 1-1/2" face ceiling grid designed to meet the exacting standards of light to intermediate duty cleanroom applications. Grid members are fabricated of extruded aluminum for maximum structural integrity and corrosion resistance, even in harsh environments. Aluminum assembly clips simplify installation and require no special tools to attach grid components. Factory-applied gaskets provide an airtight seal between cleanroom and interstitial spaces when compressed by the weight of filter modules, light fixtures and blank panels. LG cleanroom grids are also available in 15/16" (LG-10) and 2" (LG-20) face widths. Optional hold-down clips are available to secure blank panels in the grid.

TECHNICAL INFORMATION

SIZES

- Standard: LG-15 = 1-1/2" Wide
- Also available: LG-10 = 15/16" Wide
- LG-20 = 2" Wide

EXTRUDED GRID COMPONENTS

- 6063 T-5 aluminum alloy

FINISHES

- Clear satin anodized for harsh environments
- High durability Cleanroom White powder coat
- Optional antimicrobial powder coat

FACTORY-APPLIED GASKETS

- Closed-cell polyethylene foam, 2# density
- Fungus-resistant (Method 508.1 Mil Std 810-C)
- Flame-resistant (FMYSS #302; burn rate 4" per minute)
- Color: Off white
- Contact factory for custom gasket availability

GRID LAYOUT MODULES

- 2' x 4'
- 2' x 2'
- Metric or custom module sizes can be provided

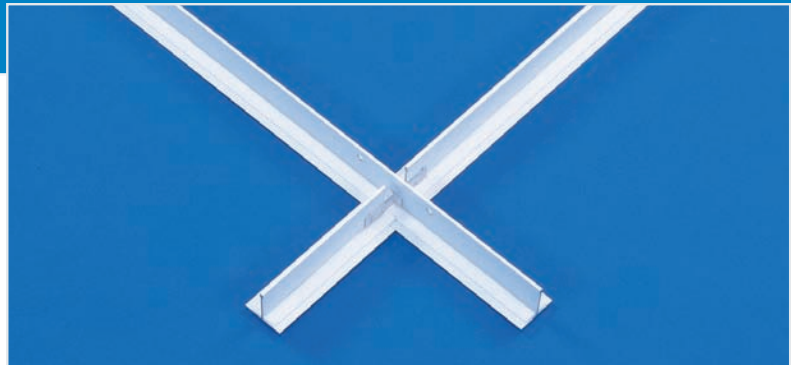
LG APPLICATION GUIDELINES

Appropriate for cleanrooms designed to:

- ISO-7 (Class 10,000) or higher
- Use ducted terminal filter modules
- Use cleanroom standard size filters and light fixtures

SUSPENSION AND LOAD DATA

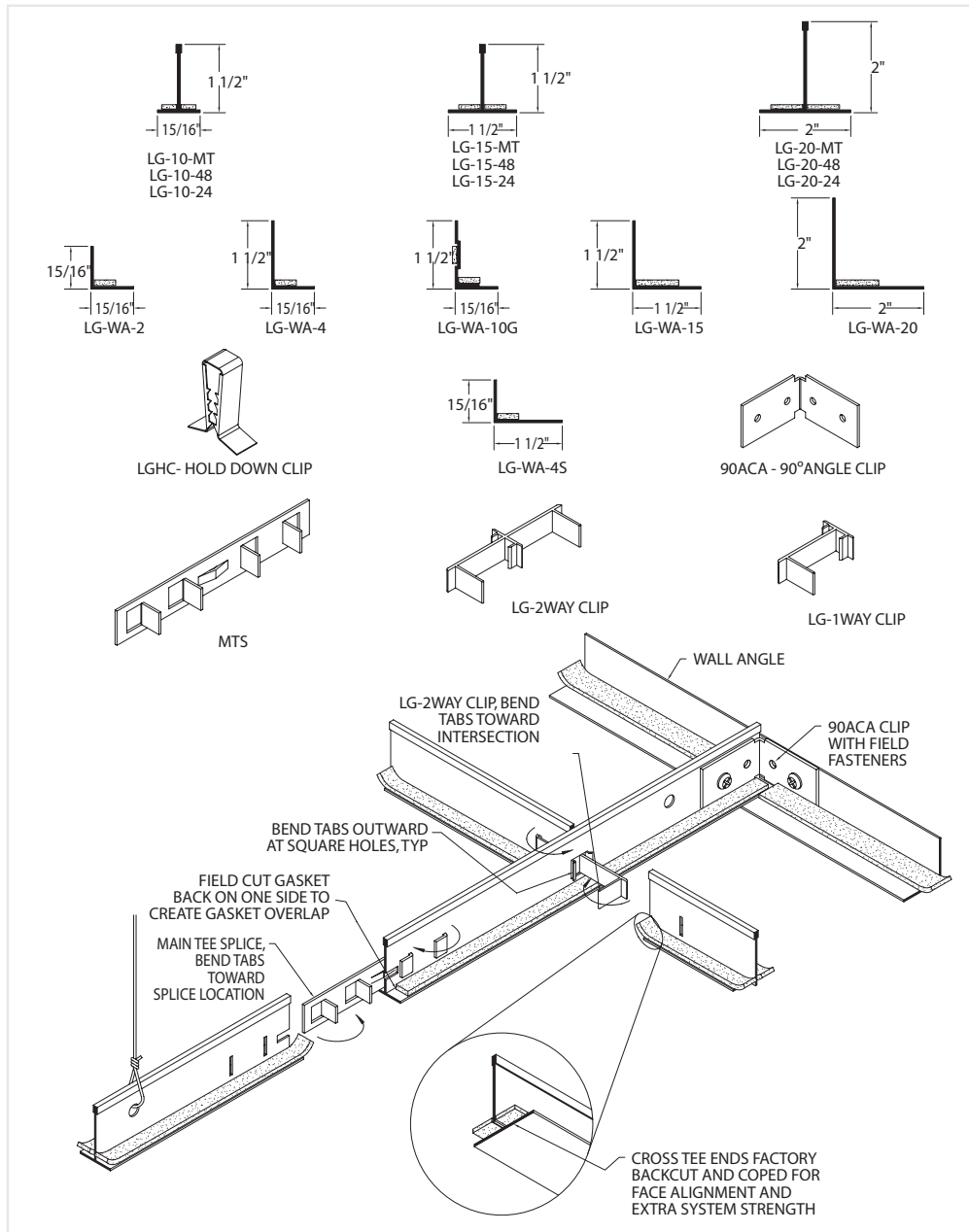
- Minimum 12 gauge hanger wire (furnished by others)
- Hanger Wire Spacing:
 - 4' o.c. for panels up to 5 lbs. per square foot
 - At all 4 corners of filter module and light fixture locations
- Load test recommendations: See Table
- **NOTE:** *Gordon does not recommend wire-suspended grid systems for use with fan-powered filter modules (FFU's). Consider Gordon rod-suspended grid systems for FFU applications.*



LG PARTS

PART NUMBER	DESCRIPTION	A- WEB DEPTH	B- EXPOSED GASKETED FLANGE	PART LENGTH	PIECES PER CARTON	LINEAL FEET PER CARTON	LBS PER CARTON	WEIGHT PER LINEAR FOOT/W GASKET	
LG-15									
LG-15-MT	Main Tee	1-1/2"	1-1/2"	12'	24	288	66	0.25	
LG-15-MT	Cross Tee	1-1/2"	1-1/2"	4'	72	288	66	0.25	
LG-15-24	Cross Tee	1-1/2"	1-1/2"	2'	72	144	35	0.25	
LG-10									
LG-10-MT	Main Tee	1-1/2"	15/16"	12'	40	480	88	0.18	
LG-10-48	Cross Tee	1-1/2"	15/16"	4'	120	480	72	0.18	
LG-10-24	Cross Tee	1-1/2"	15/16"	2'	120	240	37	0.18	
LG-20									
LG-20-MT	Main Tee	2"	2"	12'	16	192	55	0.31	
LG-20-48	Cross Tee	2"	2"	4'	48	192	55	0.31	
LG-20-24	Cross Tee	2"	2"	2'	48	96	28	0.31	
WALL ANGLES									
LG-WA-2	Wall Angle	15/16"	15/16"	12'	40	480	50	0.12	
LG-WA-4	Wall Angle	1-1/2"	15/16"	12'	30	360	80	0.16	
LG-WA-4S	Wall Angle	15/16"	1-1/2"	12'	30	360	80	0.16	
LG-WA-10G	Wall Angle	1-1/2"	15/16"	12'	30	360	70	0.19	
LG-WA-15	Wall Angle	1-1/2"	1-1/2"	12'	30	360	80	0.22	
LG-WA-20	Wall Angle	2"	2"	12'	30	360	108	0.30	
CLIPS									
MTS	Main Tee Splice Clip					One Per Main Tee	0.02		
LG-2 WAY	2-Way Clip					One Per LG Cross Tee	0.01		
LG-1 WAY	1-Way Clip					As Required	0.01		
LGHC	Panel Hold-down Clip - Steel					As Required	0.01		
90AC	90-Degree Angle Clip					As Required	0.01		

LG COMPONENTS & ACCESSORIES



LG LOAD DATA

Load test recommendations outlined in the table at right should not be exceeded, nor should the components be deflected more than 1/360th of their span.

A minimum 12 gauge hanger wire should support all four corners of the filter unit or light fixture.

SYSTEM TYPE	WEB HEIGHT	SPAN HANGER WIRE SPACING	SPACING OF MAIN TEES	APPLIED LOAD LBS. / SQ.FT
LG-15	2"	48"	24"	10.2
		48"	48"	5.1
LG-10	1-1/2"	24"	48"	14.7
		42"	48"	4.8
		48"	48"	2.6
LG-20	1-1/2"	42"	48"	4.8
		48"	24"	4.5
		48"	48"	2.2

GREEN BY DESIGN

- LEED®¹ credits available
- 66% recycled aluminum
 - 33% pre-consumer content
 - 33% post consumer content
- Finishes
 - No phosphate / biodegradable pre-treatment
 - No hazardous waste
 - No VOC's
 - No heavy metals

¹ LEED® is a registered trademark of the U.S. Green Building Council.

Also From **GORDON:**

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