GASKETED GRIDS

GORDON INCORPORATED

CANTRELL DRUG
Little Rock, AR

CG SYSTEM

Applications for CG systems include food service, food processing, pharmaceutical, and hospital industries. Designed with a 1-1/2" face tee to support HEPA filter systems, CG systems are also available in other sizes such as 15/16" and 2". Installation is simplified with a clip assembly requiring no special tools for the attachment of grid components. Choose from a wide selection of module sizes such as 2' x 2', 2' x 4', or 4' x 4'. Gordon can also supply any custom module size required. CG systems are available in powder coat white and clear anodized finish.

TECHNICAL INFORMATION

FACTORY APPLIED GASKETS:
The standard CG series gasketing is a flexible closed cell polyethylene foam which is crosslinked by means of a unique electron irradiation process.

GASKET SIZE
CG-10 - 3/32" x 3/8"
CG-15 - 3/32" x 15/32"
CG-20 - 3/32" x 23/32"

CUSTOM GASKETS
Gaskets are available with adhesive on one or both sides in polyvinyl, neoprene, polyethylene, anti-bacterial, and flame retardant. Call Gordon if custom gaskets are required.

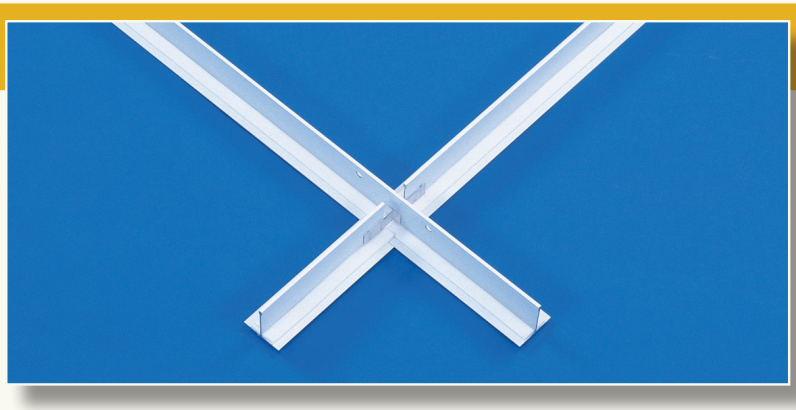
GASKET SPECIFICATIONS
Gasketing is off white in color, excellent chemical resistance, and has a 2# density per cubic foot.

- Passes fungus resistance test (Method 508.1 mill-std-810C)
- Flame-resistant (FMYSS #302 with burn rate of 4" per minute)
- Shore Hardness (ASTM D-2240) on AA scale is 7; on OO scale is 51, 2# density per cubic foot.

FINISHES
- Clear satin anodized aluminum for harsh environments.
- White high performance powder coat.
- Optional antimicrobial powder coat.
- Custom finishes.

GRID LAYOUT MODULES
- 2' x 4'
- 2' x 2'
- Metric or custom module sizes can be provided.

LIGHT FIXTURE COMPATIBILITY
CG systems require fixtures designed specifically for cleanroom applications.



CG PARTS

PART NUMBER	DESCRIPTION	A-WEB DEPTH 	B-EXPOSED GASKETED FLANGE	LENGTH	WEIGHT PER LINEAR FOOT/W GASKET	PIECES PER CARTON WITH GASKET	LINEAR FEET PER CARTON
CG-10-MT	Main Tee	1-1/2"	15/16"	12'	0.18	40	480
CG-15-MT	Main Tee	1-1/2"	1-1/2"	12'	0.24	24	288
CG-20-MT	Main Tee	2"	2"	12'	0.31	16	192
CG-10-48	Cross Tee	1-1/2"	15/16"	4'	0.18	120	480
CG-10-24	Cross Tee	1-1/2"	15/16"	2'	0.18	120	240
CG-15-48	Cross Tee	1-1/2"	1-1/2"	4'	0.24	72	288
CG-15-24	Cross Tee	1-1/2"	1-1/2"	2'	0.24	72	144
CG-20-48	Cross Tee	2"	2"	4'	0.31	48	192
CG-20-24	Cross Tee	2"	2"	2'	0.31	48	96
CG-WA-1	Wall Angle	3/4"	3/4"	12'	0.09	40	480
CG-WA-2	Wall Angle	15/16"	15/16"	12'	0.12	40	480
CG-WA-4	Wall Angle	1-1/2"	15/16"	12'	0.16	30	360
CG-WA-4S	Wall Angle	15/16"	1-1/2"	12'	0.16	30	360
CG-WA-10G	Wall Angle	1-1/2"	15/16"	12'	0.19	30	360
CG-WA-15	Wall Angle	1-1/2"	1-1/2"	12'	0.22	30	360
CG-WA-20	Wall Angle	2"	2"	12'	0.3	30	360

CG ACCESSORIES

MTS	Main Tee Splice	One Per Main Tee
CG-2Way	2 Way Clips	One per CG Cross Tee
CGHC	Steel Hold Down Clips	As needed for panel security/usually 4 per module
90 ACA	90° Angle Clip	Tee attachment to wall angle

GORDON INCORPORATED

LOAD DATA

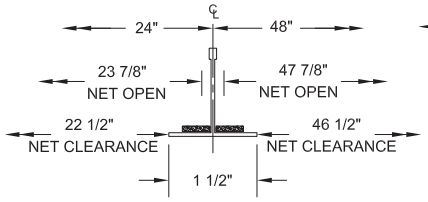
Load test recommendations outlined in the table at right should not be exceeded, nor should the components be deflected more than 1/360th of their span.

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

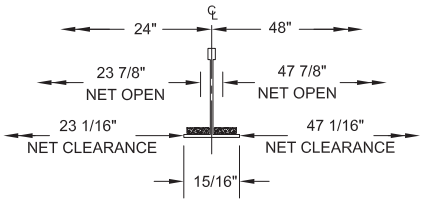
SYSTEM TYPE	WEB HEIGHT	SPAN HANGER WIRE SPACING	SPACING OF MAIN TEES	APPLIED LOAD LBS./ SQ.FT.	ASTM
CG-20	2"	48" 48"	24" 48"	10.2 5.1	Heavy Duty Heavy Duty
CG-15	1-1/2"	24" 42" 48"	48" 48" 48"	14.7 4.8 2.6	Heavy Duty Heavy Duty Light Duty
CG-10	1-1/2"	42" 48" 48"	48" 24" 48"	4.8 4.5 2.2	Heavy Duty Light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

STANDARD MODULES

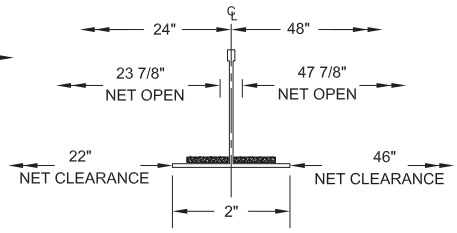
Note: Standard 2' x 4' lay-in light fixtures are not compatible with the CG-15, and CG-20 systems



CG-15 24" x 48" MODULE



CG-10 24" x 48" MODULE



CG-20 24" x 48" MODULE

CG - TECHNICAL SPECIFICATIONS

PART 1: GENERAL

1.1 INTRODUCTION

Furnish and install Gordon extruded aluminum grid ceiling systems as manufactured by Gordon, Inc. All material and workmanship shall be of the highest quality; assembly and installation shall be in accordance with Gordon detailed instructions and specifications.

1.2 DESCRIPTION OF SYSTEM

1.2.1. The Gordon extruded aluminum grid system is an integrated ceiling which has the flexibility of including architectural components, mechanical air handling (supply or return) and lighting fixtures. Designer to select components required and edit this specification to suit job requirements.

PART 2: PRODUCTS

2.1 ARCHITECTURAL COMPONENTS

The 24" x 48" modular Gordon framing members shall be extruded aluminum alloy 6063-T5. Exposed surfaces shall have a (clear anodized) (white powder coat finish).

2.2 Gordon Extruded Aluminum Grid Components shall be CG-(10) (15) (20) Series. The 24" Modular Ceiling Suspension System shall be Gordon, Inc. CG-(10) (15) (20) consisting of a 12'-0" Main Tee, and 4' and/or 2' nominal cross Tees, manufactured of extruded aluminum components by Gordon, Inc. All members shall be of standard 6063 T-5 aluminum alloy. Each Cross Tee shall be factory fabricated for independent aluminum bend-tab clips on each end.

2.3 Main runners shall be joined together at each end by means of an independent aluminum bend-tab splice member.

2.4 Cross members shall attach to main runners and other cross runners by means of an independent aluminum bend-tab clip which penetrates and slides through slots in main runners and other cross runners.

2.5 All grid components of the system shall have factory applied Polyethylene Gasket with adhesive one side.

2.6 The framing shall comply with ASTM C-635 "Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings", with (heavy duty) (light duty) designation.

PART 3: LIGHTING (optional)

PART 4: AIR DIFFUSION (optional)

PART 4: ACCESSORIES

5.1 Wall angle to be 12'-0" long of extruded aluminum, alloy 6063-T5 and shall be finished to match Gordon extruded grid.

PART 6: INSTALLATION

6.1 Gordon CG-(10) (15) (20) Series Grid shall be installed in accordance with ASTM C-636, "Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Ceilings."

6.2 Acoustical panels shall be installed in accordance with the acoustical panel manufacturer's recommendations.

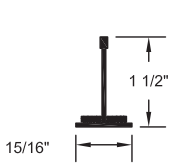
6.3 Light fixtures, and/or light fixture support frames shall be installed in framing by appropriate trade at locations as designated on the reflected ceiling and electrical plans. Wiring shall be by electrical contractor.

6.4 Air supply and return components shall be installed in framing by appropriate trade at locations as designated on the reflected ceiling and mechanical plans.

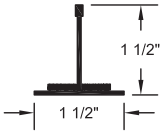
6.5 Hanger wire to be 12 gauge with appropriate attachment devices for overhead structure.

CG SYSTEM

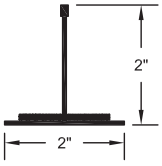
COMPONENTS & ACCESSORIES



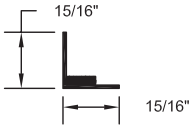
CG-10-MT
CG-10-48
CG-10-24



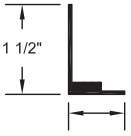
CG-15-MT
CG-15-48
CG-15-24



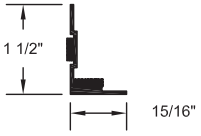
CG-20-MT
CG-20-48
CG-20-24



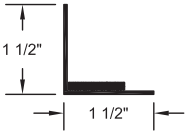
CG-WA-2



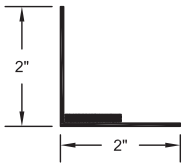
CG-WA-4



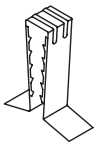
CG-WA-10G



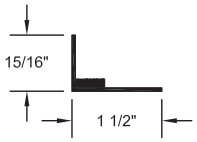
CG-WA-15



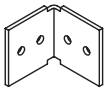
CG-WA-20



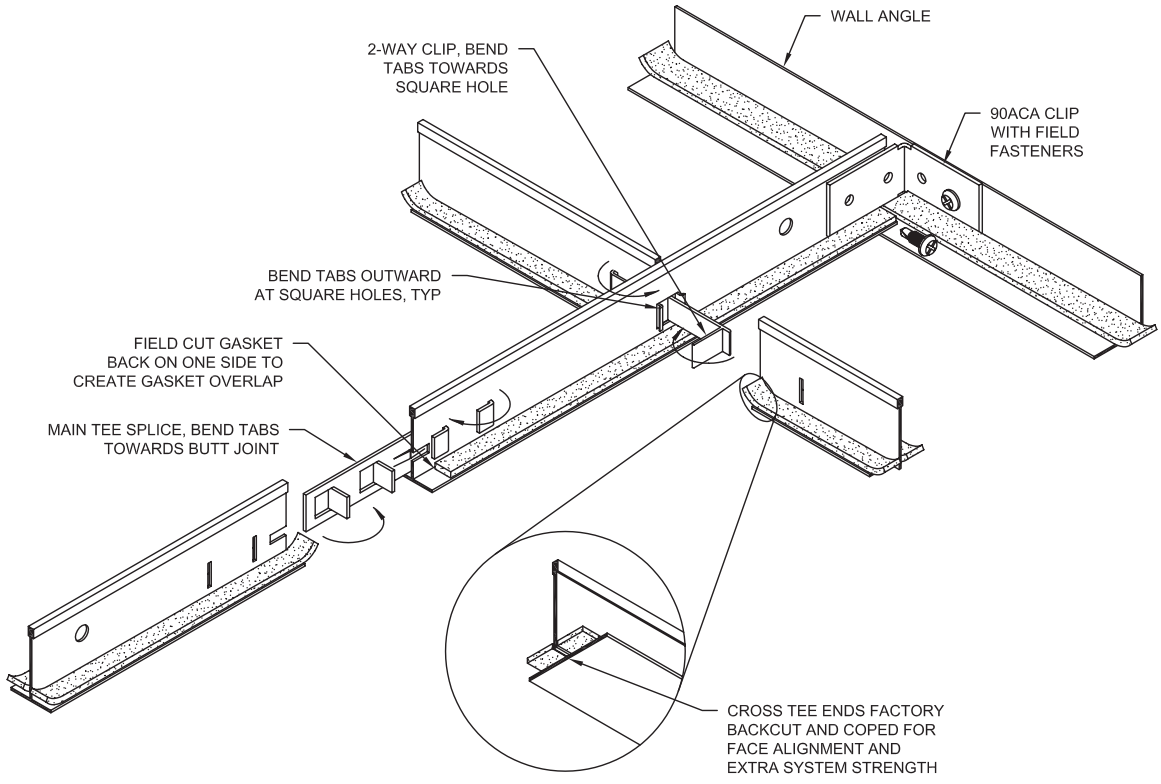
CGHC - HOLD DOWN CLIP



CG-WA-4S



90° ANGLE CLIP



RG SYSTEM

GORDON INCORPORATED

Applications for RG systems include the pharmaceutical, food processing, and hospital industries. The RG system differs from the CG system in that the 1-1/2" extruded aluminum face tee is designed with an 1/4" upturned flange that closes the gap caused by the gasket between panels, light fixtures, and tee flange and provides a sharp architectural detail. Panels or filters contact the gasket first to complete a seal prior to settling on the tee flange. The RG upturned flange also provides a caulkable surface.

TECHNICAL INFORMATION

FACTORY APPLIED GASKETS:
RG Series gasketing: The standard RG-15 series gasket is 1/4" x 1/2" closed cell PVC, gray in color, with small cells and a smooth surface.

GASKET SIZE
RG-15 - 1/4" x 1/2"

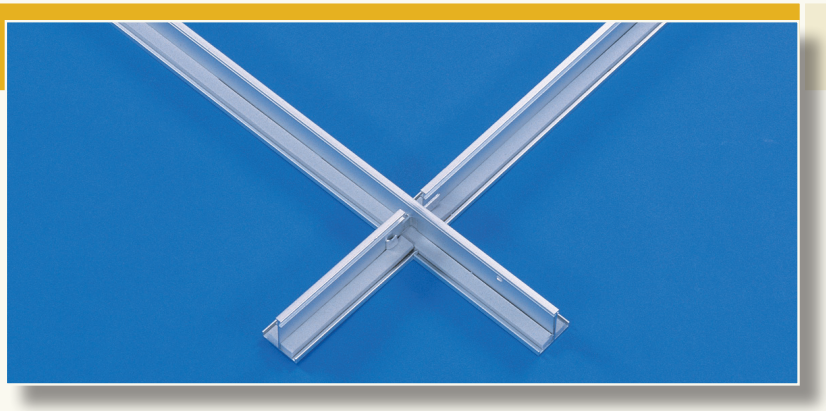
CUSTOM GASKETS
Gaskets are available with adhesive on one or both sides in polyvinyl, neoprene, polyethylene, anti-bacterial, and flame retardant. Call Gordon if custom gaskets are required.

GASKET SPECIFICATIONS
- Passes fungus resistance test (Method 508.1 mill-std-810C)
- Flame-resistant (FMYSS #302) with burn rate of 4" per minute
- Shore Hardness (ASTM D-2240) on AA scale is 7; on OO scale is 51
- 8# density per cubic foot
- U.S.D.A. approved.

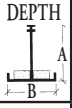
FINISHES
- Clear satin anodized aluminum for harsh environments.
- White high performance powder coat.
- Optional antimicrobial powder coat.
- Custom finishes.

GRID LAYOUT MODULES
- 2' x 4'
- 2' x 2'
- Metric or custom module sizes can be provided.

LIGHT FIXTURE COMPATIBILITY
RG systems require fixtures designed specifically for cleanroom applications.



RG PARTS

PART NUMBER	DESCRIPTION	A-WEB DEPTH 	B-EXPOSED GASKETED FLANGE	LENGTH	WEIGHT PER LINEAR FOOT/W GASKET	PIECES PER CARTON WITH GASKET	LINEAR FEET PER CARTON
RG-15-MT4	4' Notch Main Tee	1-3/4"	1-1/2"	12'	0.31	16	192
RG-15-MT2	2' Notch Main Tee	1-3/4"	1-1/2"	12'	0.31	16	192
RG-15-48CN	Cross Tee Center Notch	1-3/4"	1-1/2"	4'	0.31	48	192
RG-15-48NN	Cross Tee No Notch	1-3/4"	1-1/2"	4'	0.31	48	192
RG-15-48HN	Cross Tee Half Notch	1-3/4"	1-1/2"	4'	0.31	48	192
RG-15-24	Cross Tee	1-3/4"	1-1/2"	2'	0.31	48	96
RG-WA-48	4' Notch Wall Angle	1-1/2"	3/4"	12'	0.23	24	288
RG-WA-24	2' Notch Wall Angle	1-1/2"	3/4"	12'	0.23	24	288

RG ACCESSORIES

MTS	Main Tee Splice	One per main tee
RG-2 Way Clips	2 Way Clips	One per cross tee
RGHC	Hold Down Clips	As needed for panel security/usually 4 per module
90 ACA	90° Angle Clip	Tee attachment to wall angle
RGHGR	Sliding Hanger Clip	Optional hanger clip slides along web of the tee allowing hanger wire attachment when special clearances for filters or fixtures are required

RG SYSTEM

LOAD DATA

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

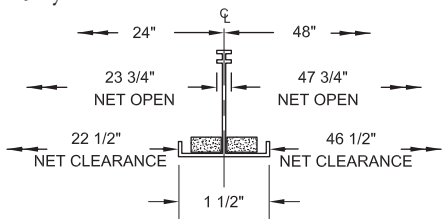
A minimum 12 gauge hanger wire should support all four corners of the filter unit or light fixture.

SYSTEM TYPE	WEB HEIGHT	SPAN HANGER WIRE SPACING	SPACING OF MAIN TEES	APPLIED LOAD LBS./ SQ.FT.	ASTM C-635
RG-15	1-3/4"	48"	24" 48"	8.9 4.4	Heavy Duty Heavy Duty

METAL PANELS

Custom .032" aluminum panels are manufactured in all sizes to allow for non-standard module sizes, fill-in perimeter panels, and sprinkler panels.

Note: Standard 2' x 4' lay-in light fixtures are not compatible with the RG-15 system



RG-15 24" x 48" MODULE

RG - TECHNICAL SPECIFICATIONS

PART 1: GENERAL

1.1 INTRODUCTION

Furnish and install Gordon extruded aluminum grid ceiling systems as manufactured by Gordon, Inc. All material and workmanship shall be of the highest quality; assembly and installation shall be in accordance with Gordon detailed instructions and specifications.

1.2 DESCRIPTION OF SYSTEM

1.2.1. The Gordon extruded aluminum grid system is an integrated ceiling which has the flexibility of including architectural components, mechanical air handling (supply or return); and lighting fixtures. Designer to select components required and edit this specification to suit job requirements.

PART 2: PRODUCTS

2.1 ARCHITECTURAL COMPONENTS

The 24" x 48" modular Gordon framing members shall be extruded aluminum alloy 6063-T5. Exposed surfaces shall have a (clear anodized) (white powder coat finish).

2.2 Gordon Extruded Aluminum Grid Components shall be RG-15 Series. The 24" Modular Ceiling Suspension System shall be Gordon, Inc. RG-15 consisting of a 12'-0" Main Tee, and 4' and/or 2' nominal Cross Tees, manufactured of extruded aluminum components by Gordon, Inc. All members shall be of standard 6063 T-5 aluminum alloy. Each Cross Tee shall be factory fabricated for independent aluminum bend-tab clips on each end.

2.3 Main runners shall be joined together at each end by means of an independent aluminum bend-tab splice member.

2.4 Cross members shall attach to main runners and other cross runners by means of an independent aluminum bend-tab clip which penetrates and slides through slots in main runners and other cross runners.

2.5 All grid components of the system shall have factory applied 1/4" x 1/2" PVC gasket with adhesive one side.

2.6 The framing shall comply with ASTM C-635 "Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings", with heavy duty designation.

PART 3: LIGHTING (optional)

PART 4: AIR DIFFUSION (optional)

PART 5: ACCESSORIES

5.1 Wall angle to be RGWA-15, 12'-0" long of extruded aluminum, alloy 6063-T5 and shall be finished to match Gordon extruded grid.

PART 6: INSTALLATION

6.1 Gordon RG-15 Series Grid shall be installed in accordance with ASTM C-636, "Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Ceilings."

6.2 Acoustical panels shall be installed in accordance with the acoustical panel manufacturer's recommendations.

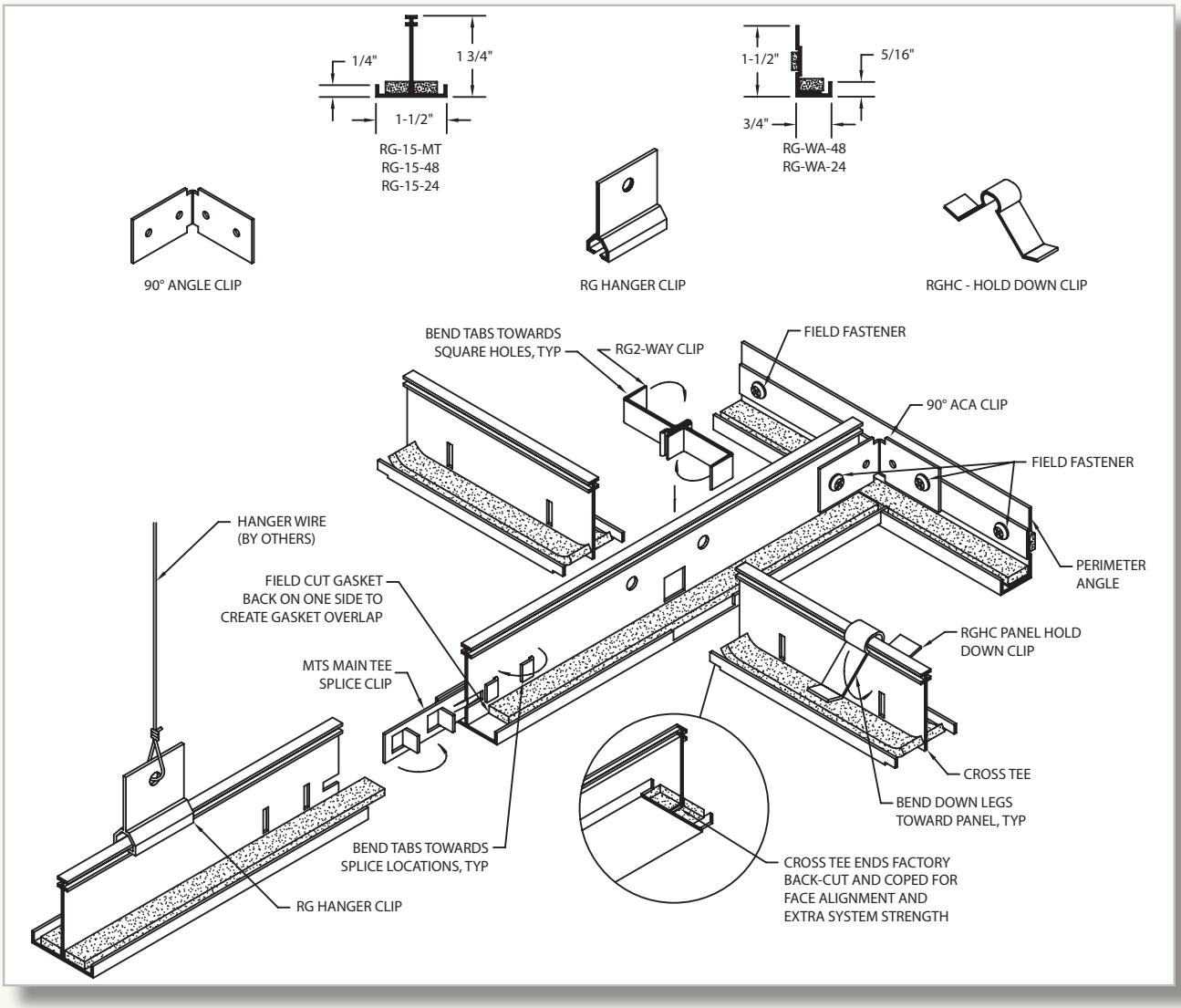
6.3 Light fixtures, and/or light fixture support frames shall be installed in framing by appropriate trade at locations as designated on the reflected ceiling and electrical plans. Wiring shall be by electrical contractor.

6.4 Air supply and return components shall be installed in framing by appropriate trade at locations as designated on the reflected ceiling and mechanical plans

6.5 Hanger wire to be 12 gauge with appropriate attachment devices for overhead structure.

GORDON INCORPORATED

COMPONENTS & ACCESSORIES



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5023 HAZEL JONES ROAD, BOSSIER CITY, LA 71111
800.747.8954
800.877.8746 FAX
SALES@GORDON-INC.COM
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