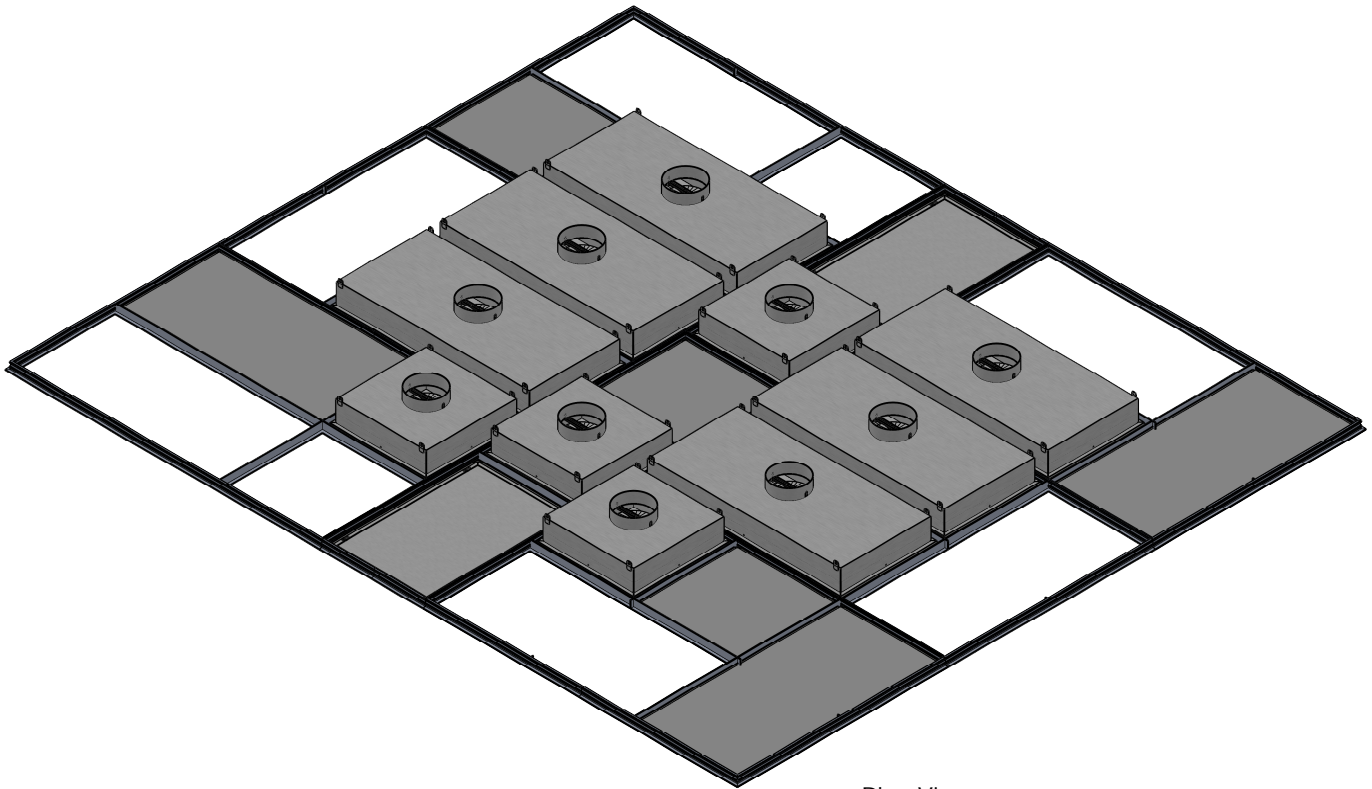


Model: HLC-HCG
Heavy-Duty Ceiling Grid System



Plan View

Construction Options

Grid Material

- Aluminum
- 304 Stainless Steel

Finish

- Satin Finish
- Antimicrobial White

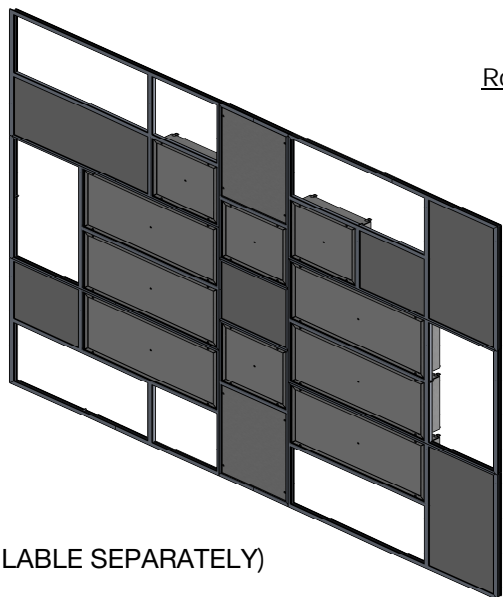
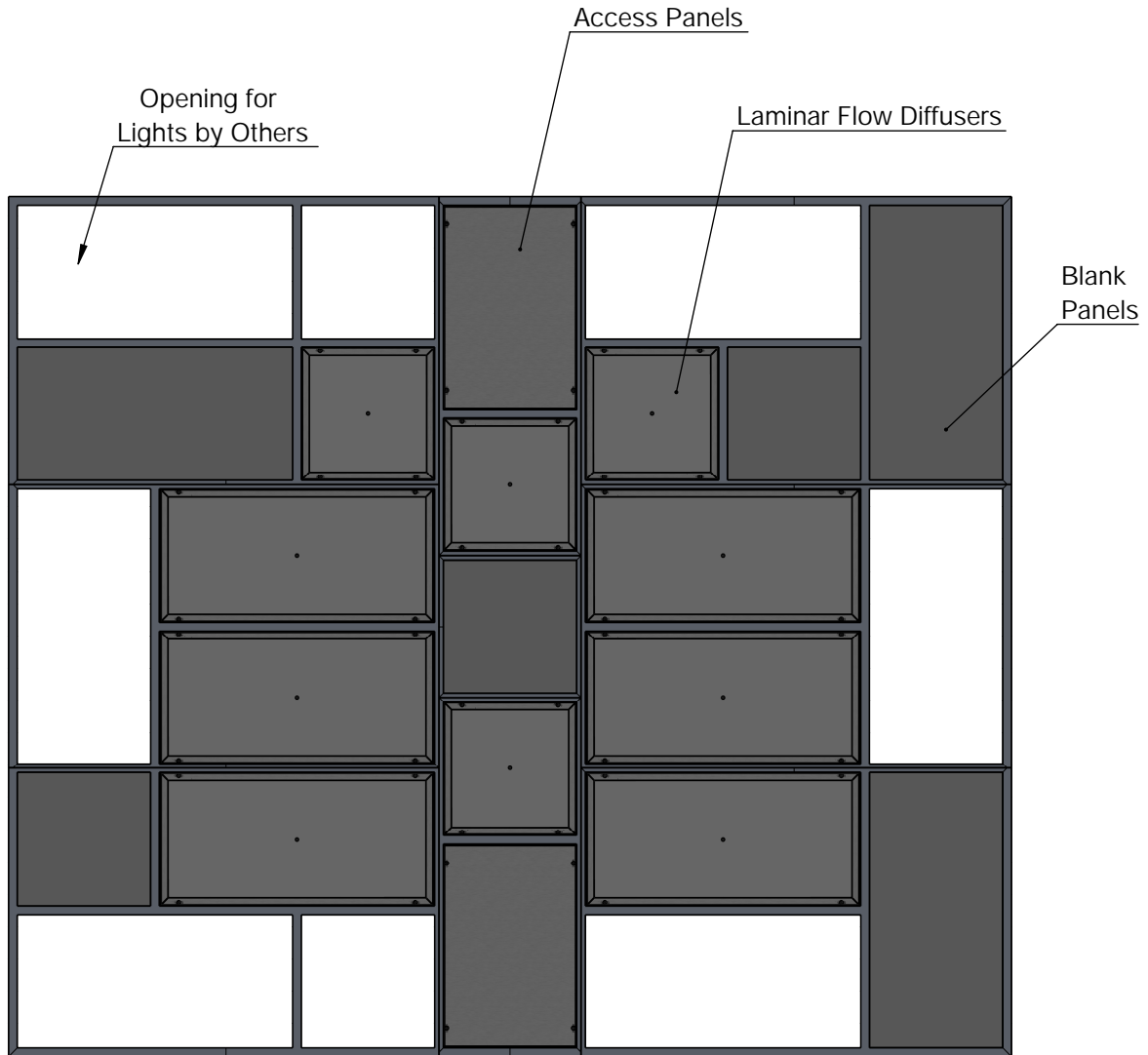
CUSTOMIZABLE CONFIGURATIONS TO FIT ANY ROOM

CEILING GRID IS DESIGNED FOR USE WITH DIFFUSERS,
BLANK PANELS, ACCESS PANELS AND LIGHT FIXTURES

(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)

1. Available Finishes	2. Available Accessories	3. Available Options	4. Construction Details
01 White 01 SS White 23 Satin Polish	Solid Blank-off Panels Lay-in Access Panels	UniStrut Integration for Imaging Rooms	<ul style="list-style-type: none"> • Modular, Factory Welded Grid System • Modular sections up to 72 inches by 60 inches • Supports minimum of 10 lbs/ft² • Hold-down Clips for Blank-off & Access Panels • Support holes on 6-inch centers for suspension per ASTM C636. • Full-tee and Half-tee profiles • 12 1/8 inch module sizes - Ex: 48 1/2 inches by 24 1/4 inches <p style="text-align: right; font-size: small;">All Dimensions ±1/16"</p>

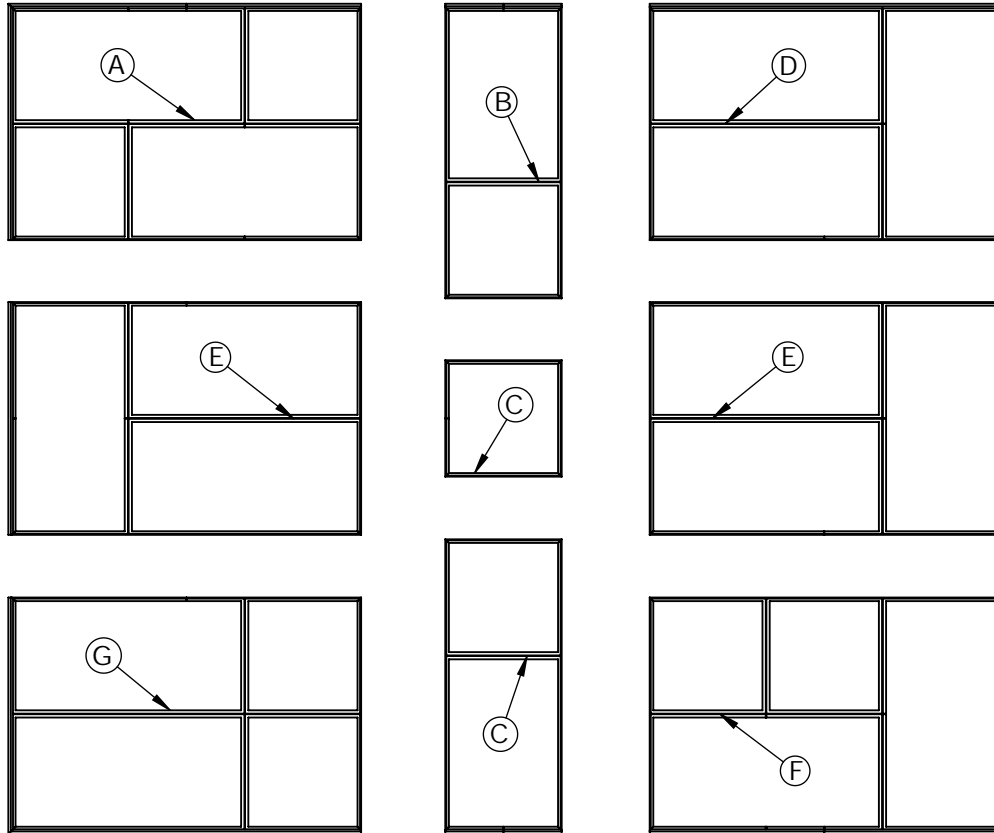
Model: HLC-HCG
Heavy-Duty Ceiling Grid System



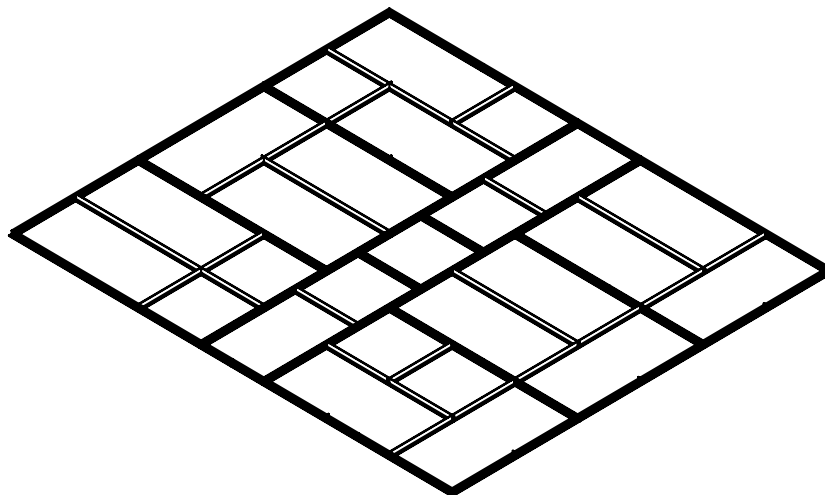
(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)

Model: HLC-HCG
Heavy-Duty Ceiling Grid System

Grids will be shipped in multiple sections as required to be assembled in the field

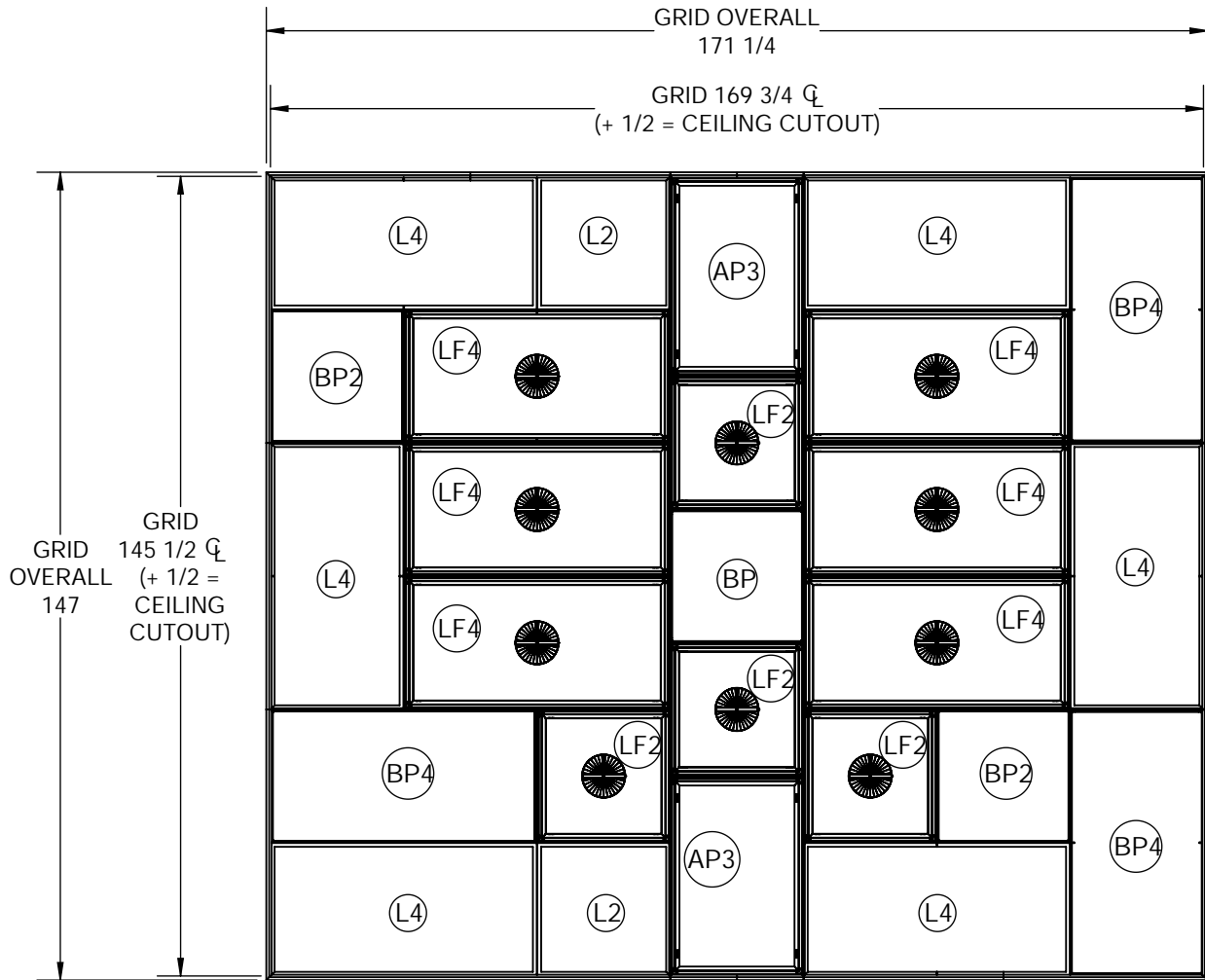


Plan View



(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)

Model: HLC-HCG
Heavy-Duty Ceiling Grid System

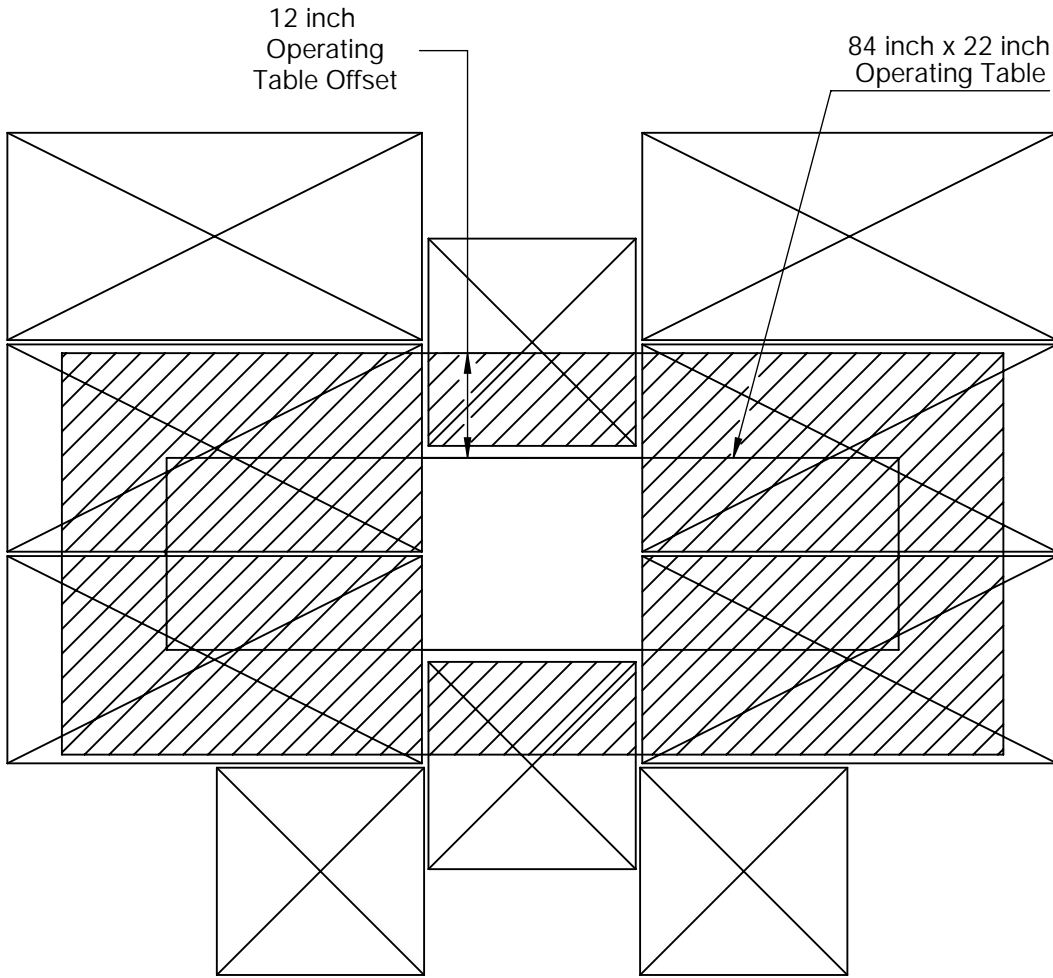


Plan View

TAG	SIZE - DESCRIPTION	QTY
LF2	24 x 24 - Laminar Flow Diffuser	4
LF4	48 x 24 - Laminar Flow Diffuser	6
AP2	24 x 24 - Access Panel	2
AP3	36 x 24 - Access Panel	2
BP	24 x 24 - Boom Panel	1
BP2	24 x 24 - Blank Panel	2
BP4	48 x 24 - Blank Panel	3
L2	24 x 24 - Light Fixture (By Others)	2
L4	48 x 24 - Light Fixture (By Others)	6

(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)

Model: HLC-HCG
Heavy-Duty Ceiling Grid System



Diffuser Array and Operating Table
Plan View

ASHRAE 170-2021 CRITERIA

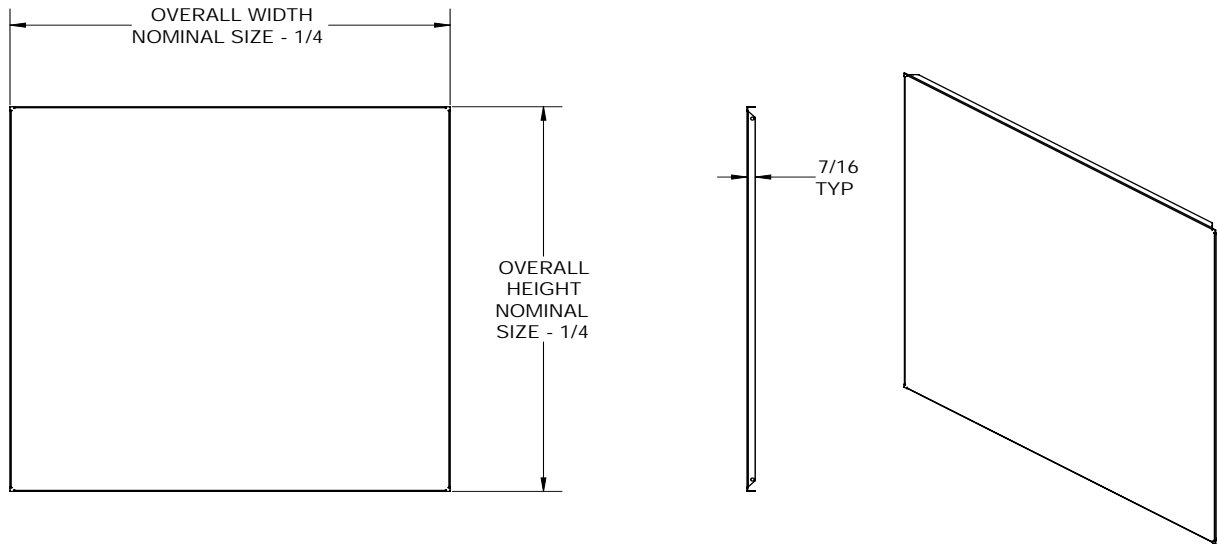


Coverage area of the primary supply diffuser array shall extend a minimum of 12" beyond the footprint of the surgical table on each side.
>70% of this area shall be within the primary diffuser supply area.

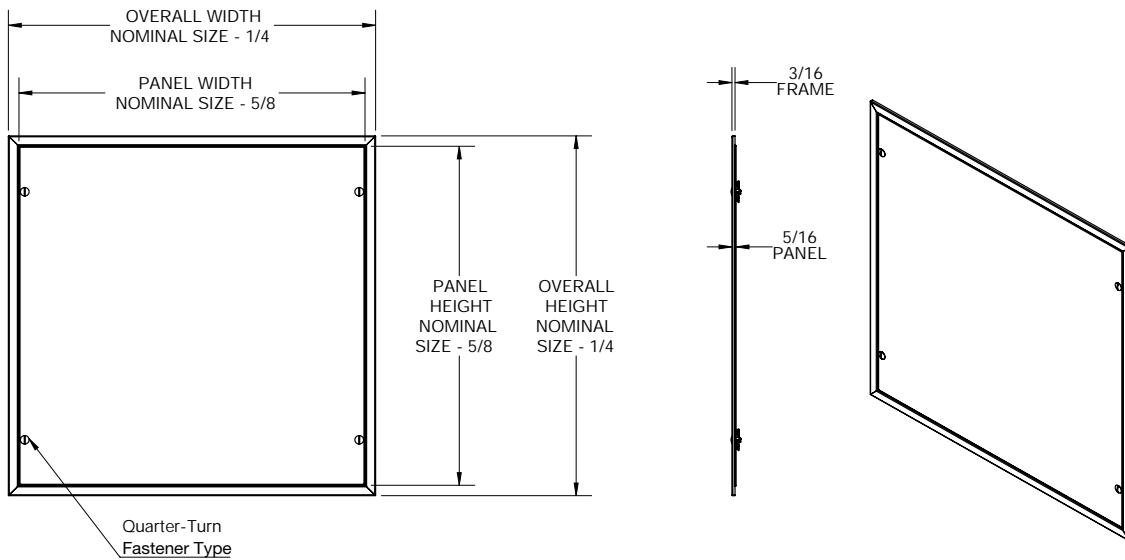
(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)

Model: HLC-HCG
Heavy-Duty Ceiling Grid System

Solid Blank-off Panels



Lay-in Access Panels



Model: HLC-HCG
Heavy-Duty Ceiling Grid System

General Installation Instructions

Grid systems are constructed from heavy, stainless steel and/or aluminum Tee or Half Tee framing members, and are welded to form a rigid, prefabricated assembly or subassembly. Refer to the specific submittal sheet(s) that depict the geometry of the specific grid layout for the designed system. When the overall grid system size exceeds the maximum for a one-piece assembly, the system is broken into sub-assemblies. The subassemblies are constructed so that Half Tee members are used where subassemblies adjoin.

The grid system is installed as typical for any commercial grid system. The difference in a welded assembly is that the entire grid is positioned in the ceiling cutout opening as one assembly, rather than as "stick construction." Lay out the assemblies on the floor with the Tee face down. Cover the floor with plastic, cloth, etc. so as not to scratch or mar the visible grid face. Use the connecting tee section support clamps, shipped separately, to attach the subassemblies where the half tees meet.

The entire grid assembly should be lifted and positioned into the ceiling opening so the back of the face tee contacts the ceiling surface. A good quality, silicone-based caulking is recommended on the backside of the perimeter tee where it contacts the ceiling to prevent air leakage and migration of contaminants and particles. If caulking is applied before the grid is hoisted, then positioning must be performed quickly. If access permits, caulking from above the ceiling may be preferred. Also, a small bead of caulking at the perimeter of the face tee and ceiling may also be acceptable to the engineer/architect/owner. 1/4-inch diameter holes are located in the vertical legs of the grid for attachment of straps or hanger wire, as appropriate to support the anticipated load of the system. The support hangers should be sized and uniformly spaced to provide support for a minimum ceiling load of 10 lbs/ft², and should be vertical to prevent distortion of the grid. It is not recommended to screw attach the perimeter of the grid system to the perimeter framing or structure, as this may distort the grid, and prevent devices from properly laying into the grid modules. The grid should be shimmed as required to prevent shifting where the grid meets the ceiling. All units installed in the grid should be supported independently of the grid system.

The assembly of the grid should be installed into the ceiling opening before installing the diffusers, lights, etc. The grid assumes ample plenum height to insert devices through the grid opening AFTER grid installation. Due to variation in device dimensions and configurations, a minimum plenum height cannot be given. Careful consideration should be given before installation so the installer is satisfied that the devices can be moved through the grid openings and positioned onto the grid.

(DIFFUSERS AND FILTERS AVAILABLE SEPARATELY)