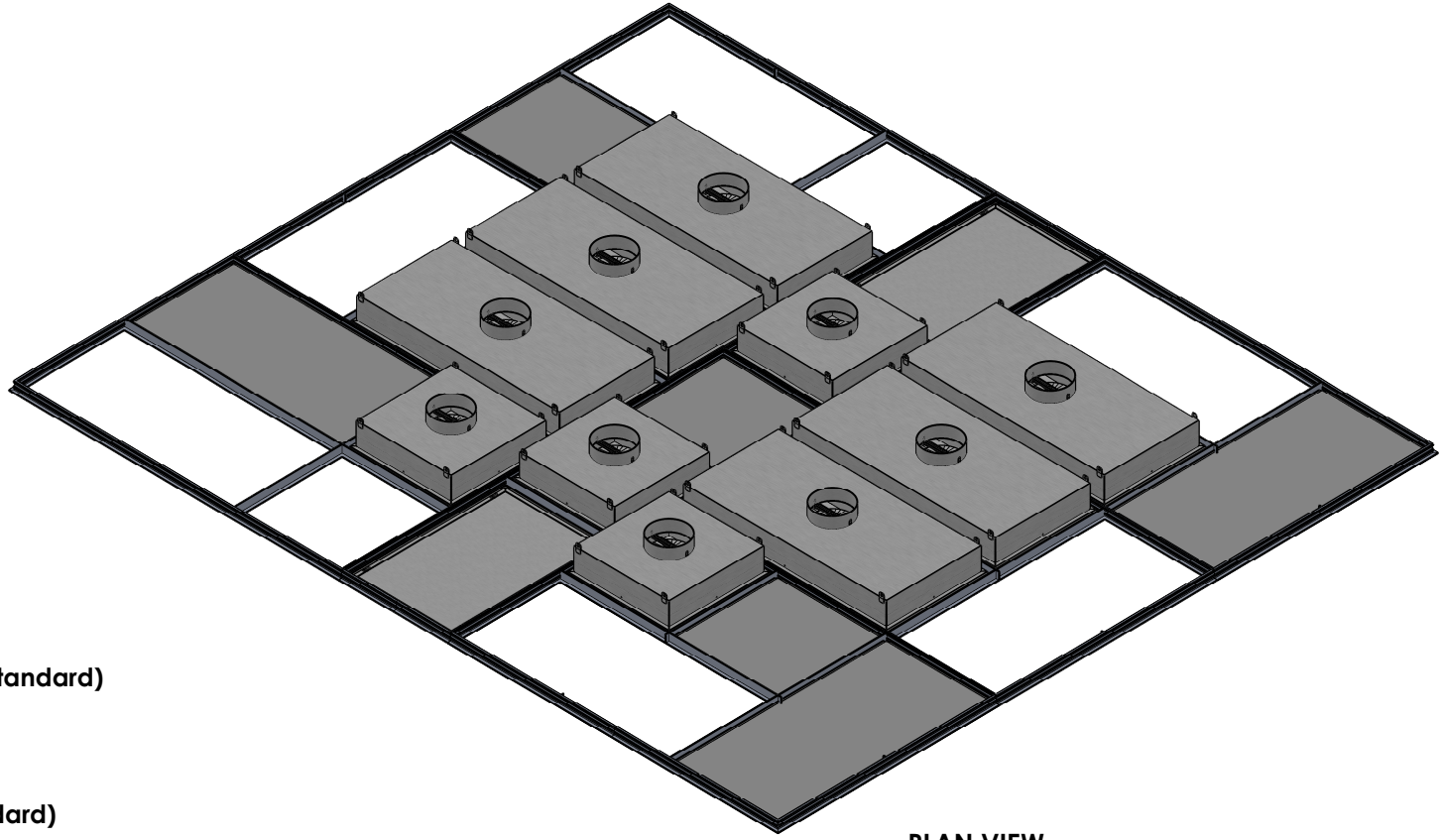
CUSTOMIZABLE CONFIGURATIONS TO FIT ANY ROOM

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

STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID



PLAN VIEW

GRID MATERIAL

☐ 304 Stainless Steel **(Standard)**
☐ Aluminum

FACE FINISH

☐ #4 Satin Finish **(Standard)**
☐ White Antimicrobial Epoxy Powdercoat Finish
☐ Other Color _____

* To maintain AJ Manufacturing's policy of continuous product improvement, we reserve the right to change any information concerning product or pricing without notice or obligation *

AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5	
APRVD:	SIZE:	CONTRACTOR:		

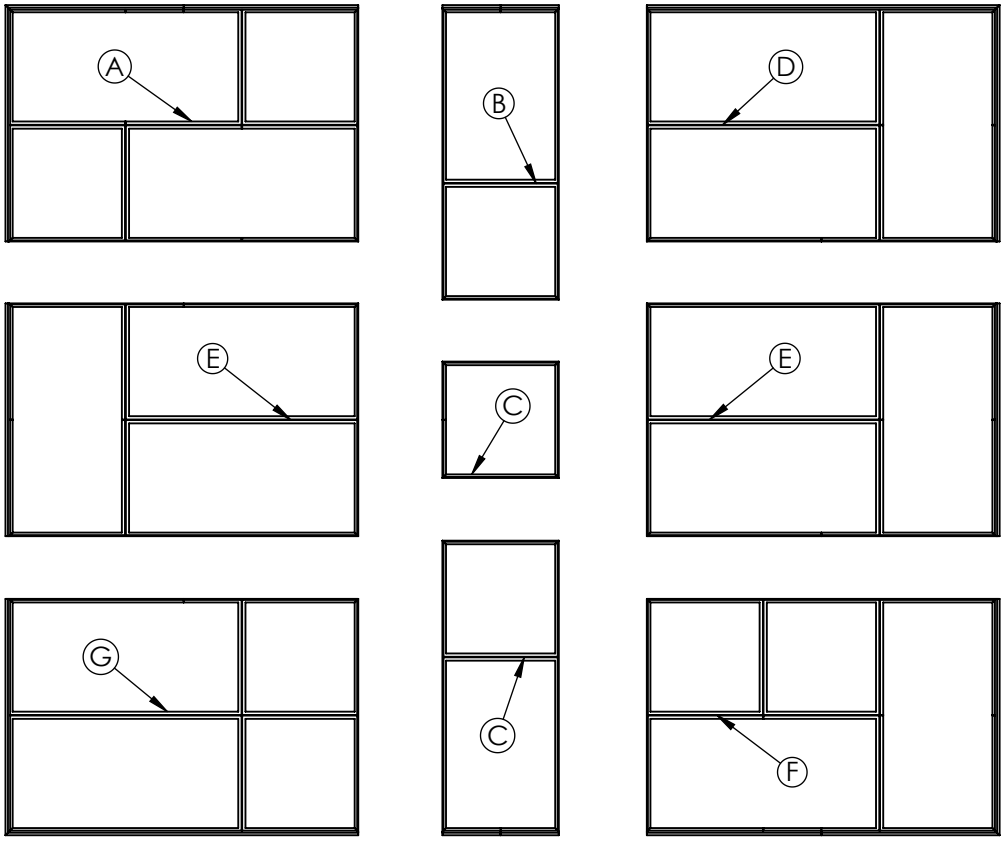
REV # A
SHT 1/10
SCL 1:30
DO NOT SCALE

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

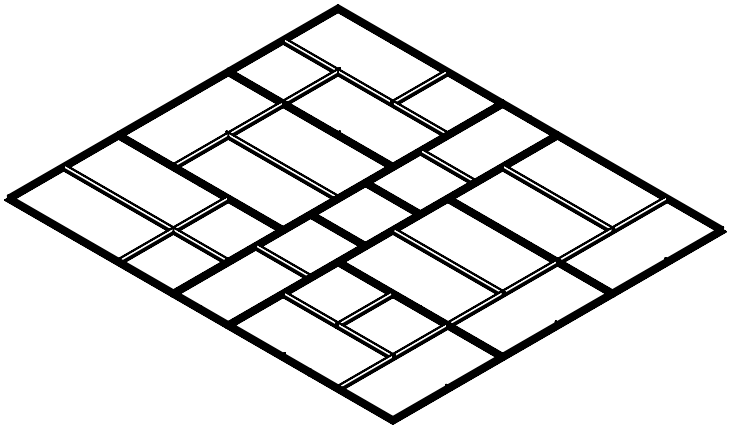
STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID



PLAN VIEW



AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

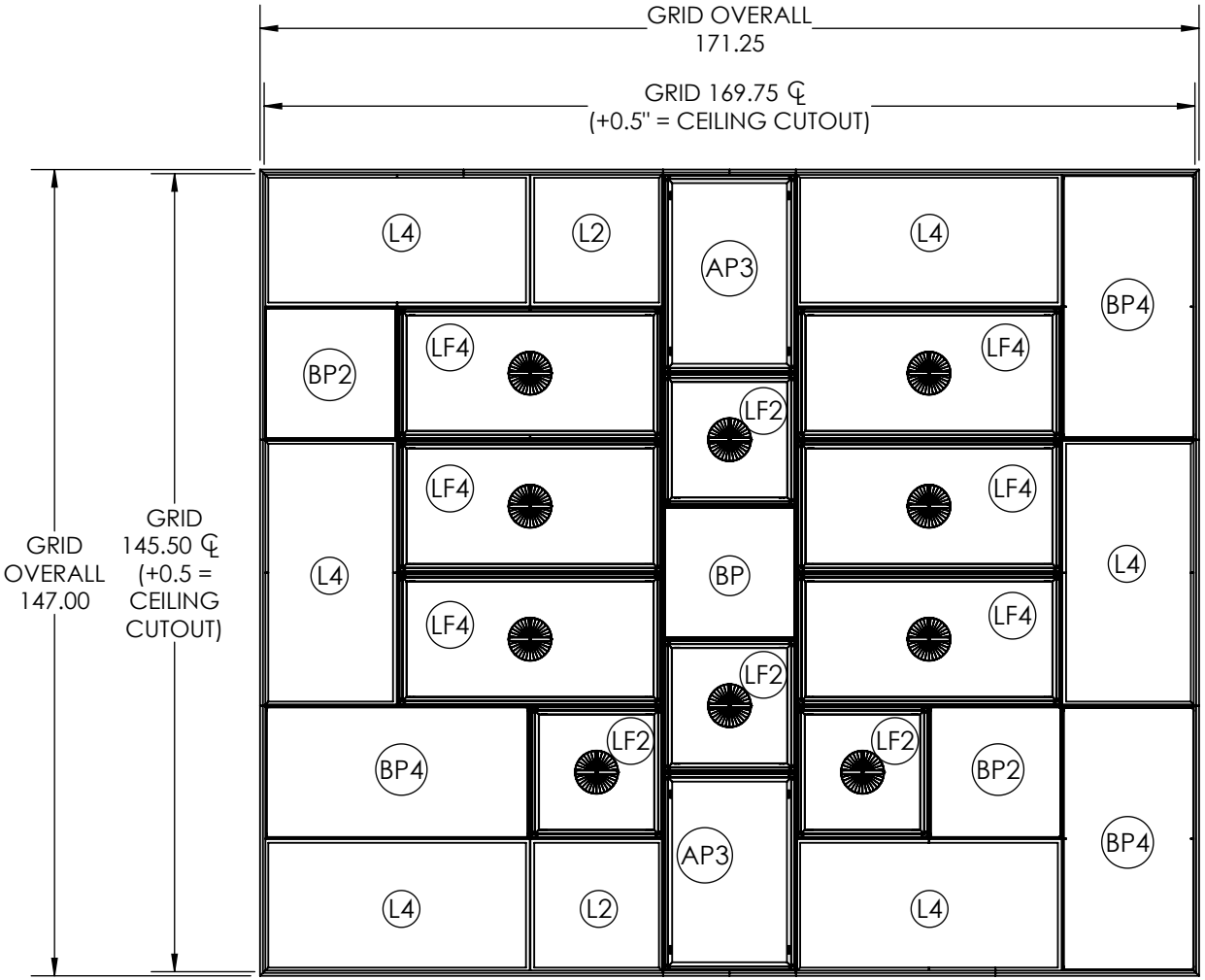
DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 2/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:60
					DO NOT SCALE

(Diffusers, Access Panels, Blank Panels, Etc. are optional and sold separately)

STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID



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

AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

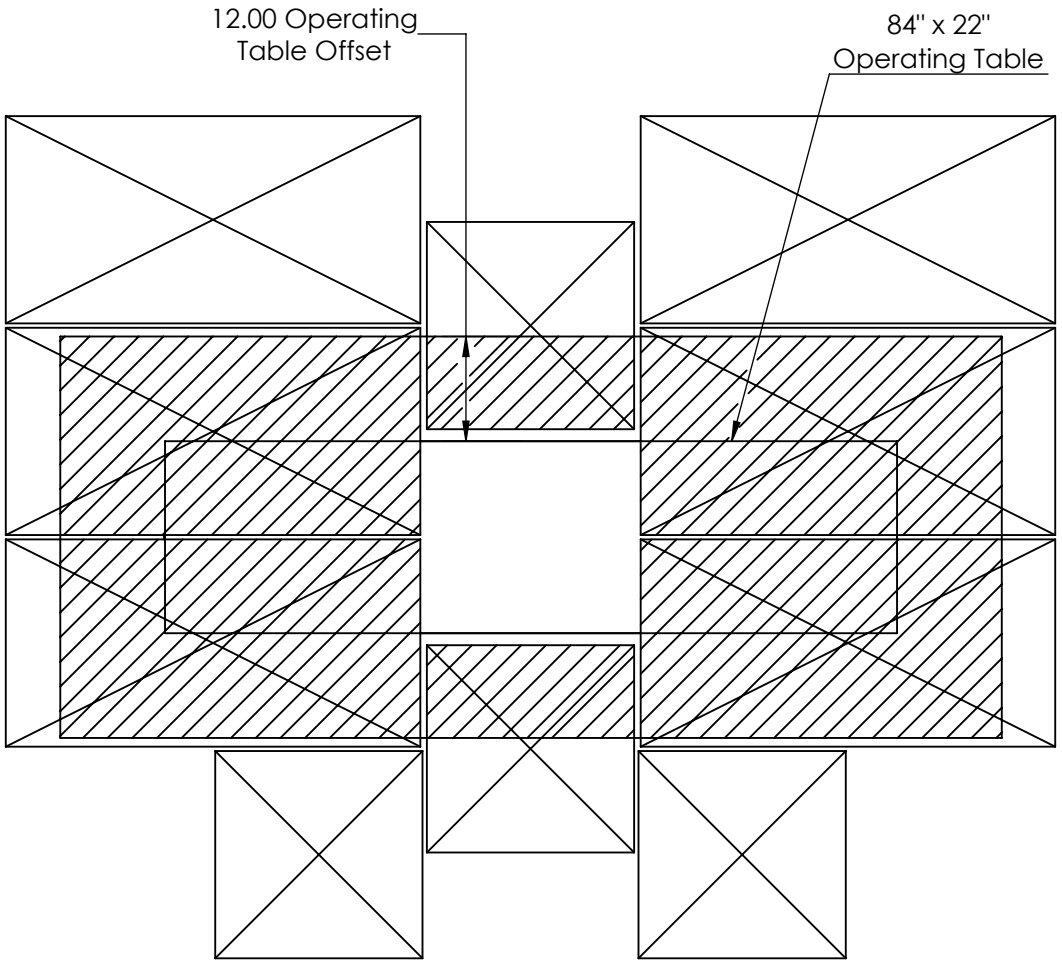
DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 3/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:34
					DO NOT SCALE

(Diffusers, Access Panels, Blank Panels, Etc. are optional and sold separately)

STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID



PLAN VIEW

(Diffuser Array and Operating Table)

ASHRAE 170-2021 CRITERIA

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

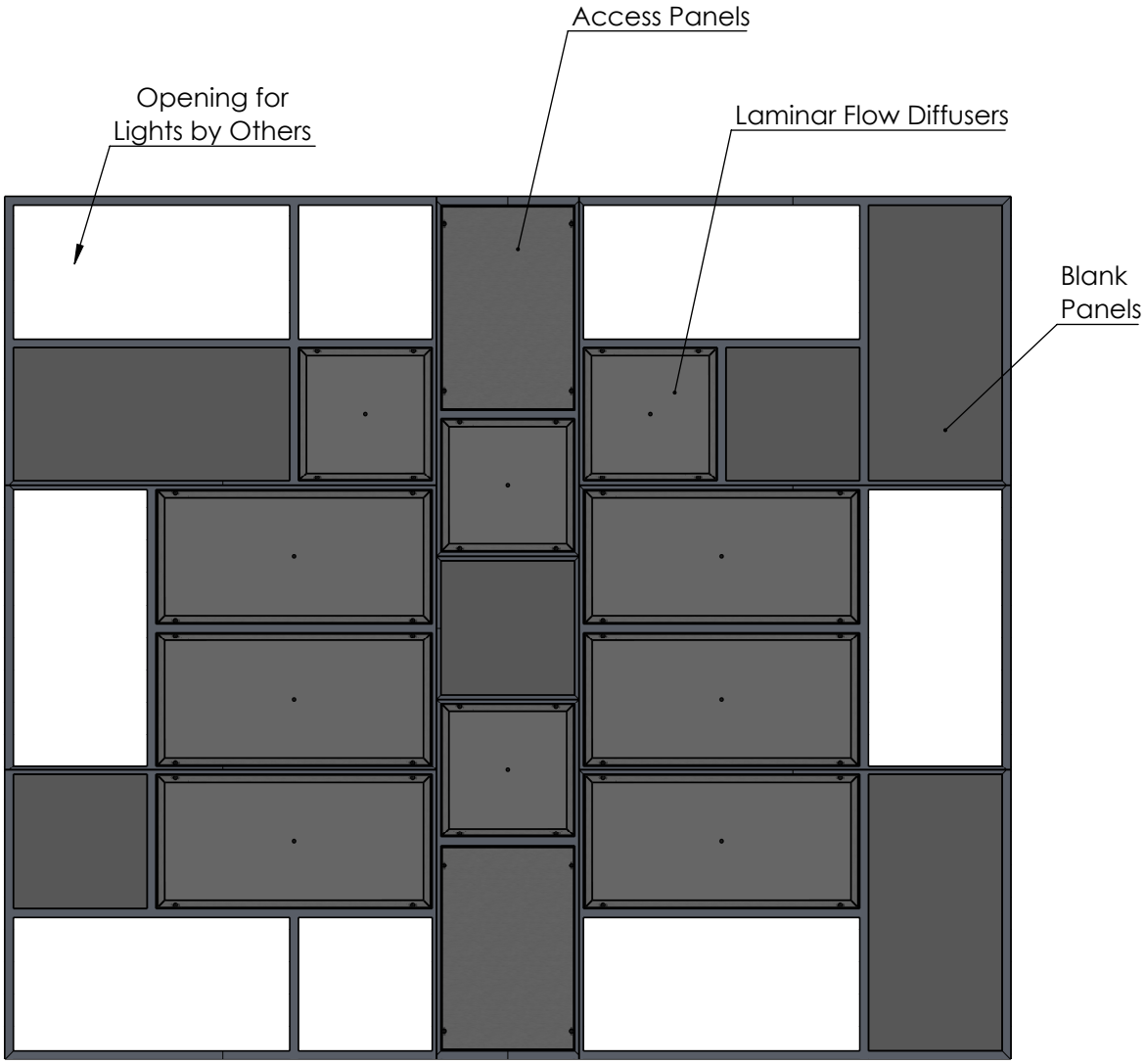
AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 4/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:22
					DO NOT SCALE

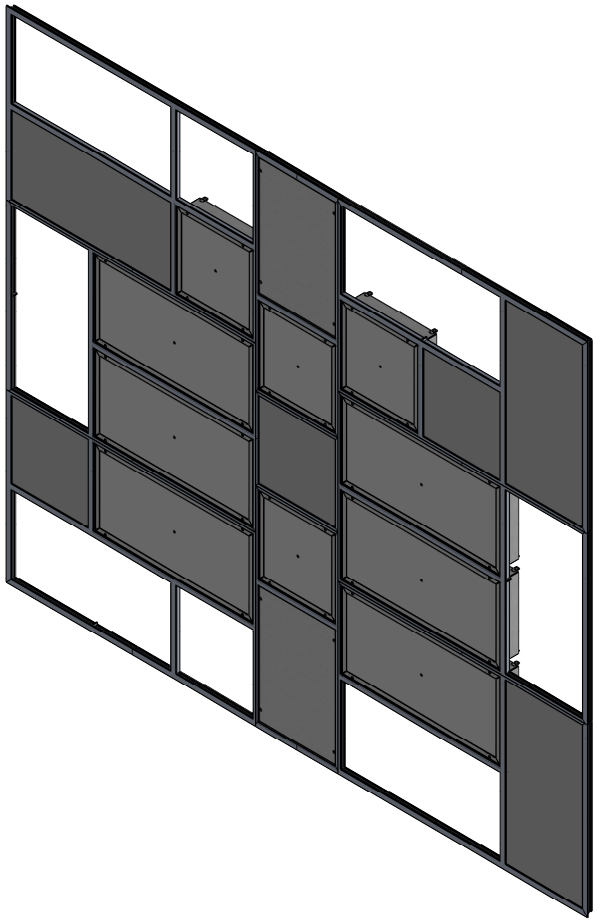
STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID



ROOM SIDE VIEW

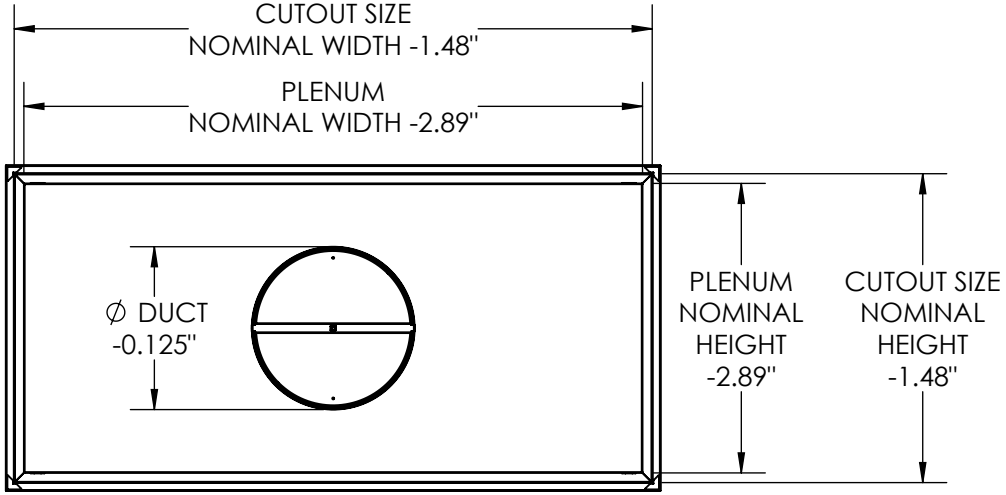


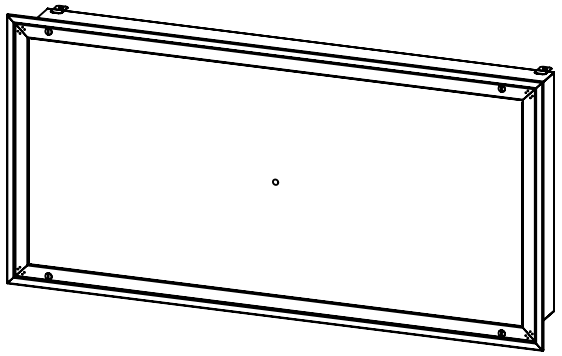
AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

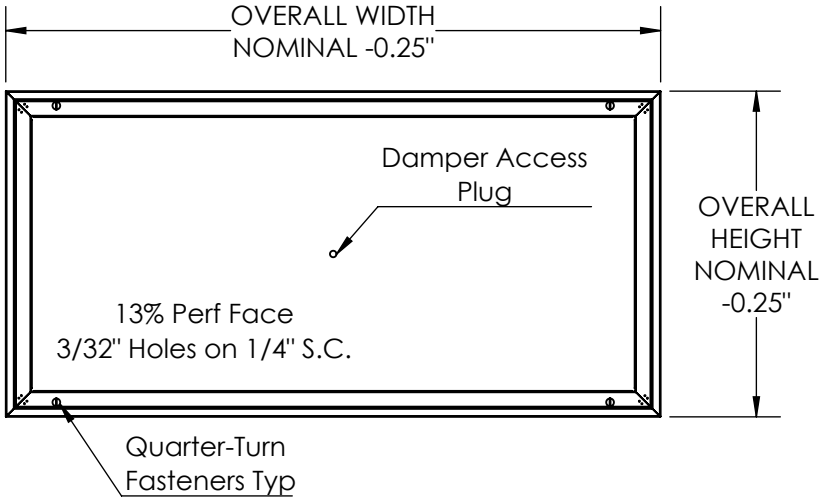
DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 5/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:32
					DO NOT SCALE

For More Diffuser Options: Click Here

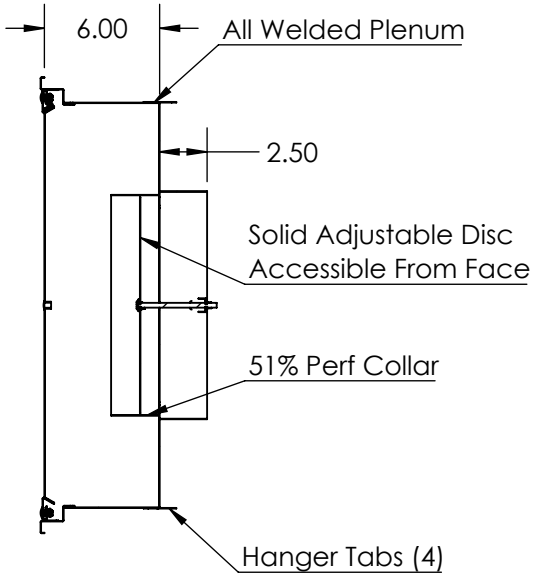
STAINLESS STEEL
SSLF
LAMINAR FLOW DIFFUSER







Safety Cables (2)
(Not Shown)



SECTION A-A
SCALE 1 : 10

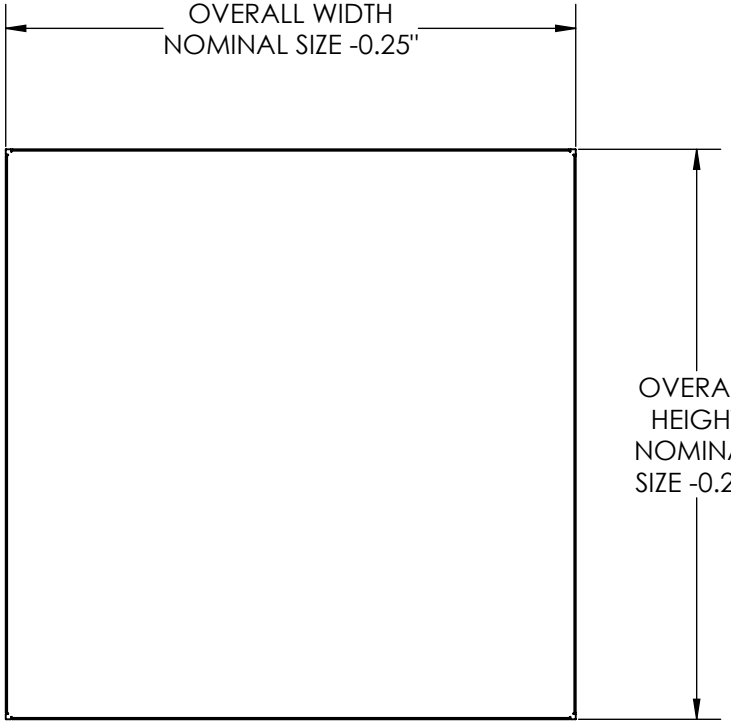
AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

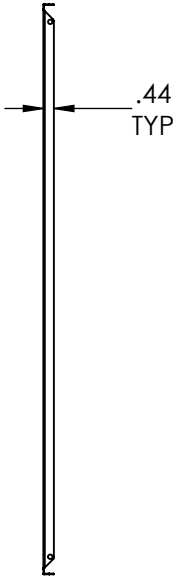
DRAWN SLG	MATERIAL 304SS	JOB NAME	TAG	QTY	REV # A
CHKD RH	FINISH #4 SATIN	ENGINEER	DRAWING NAME THD-1.5		SHT 6/10
APRVD	SIZE	CONTRACTOR			SCL 1:14
					DO NOT SCALE

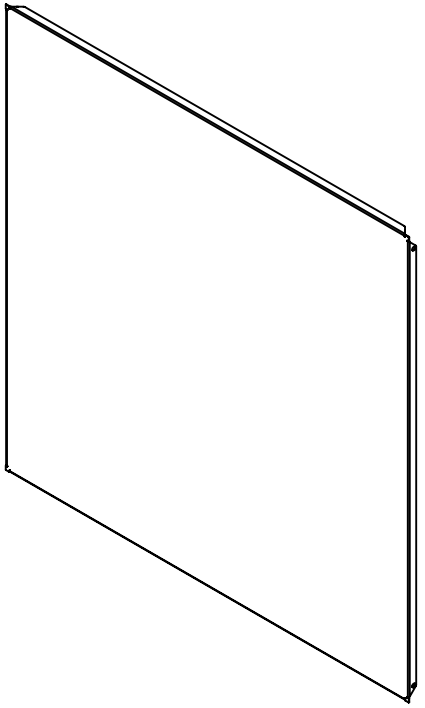
STAINLESS STEEL

SSLay-In

LAY-IN PANEL



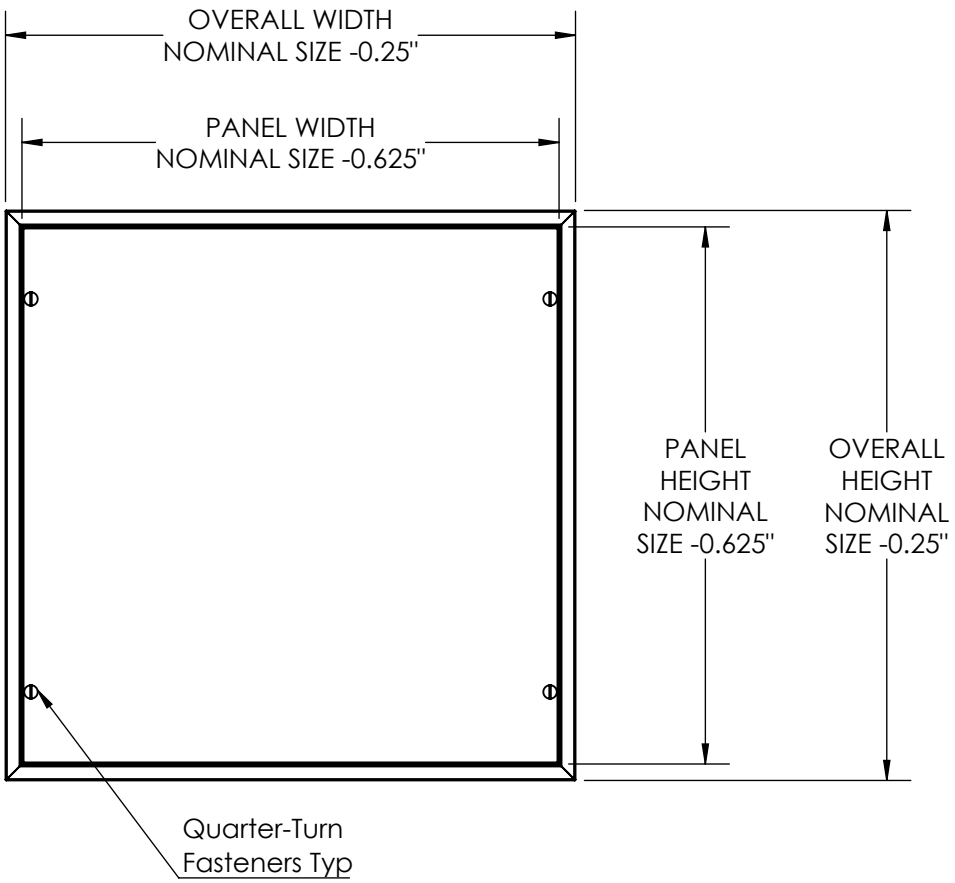


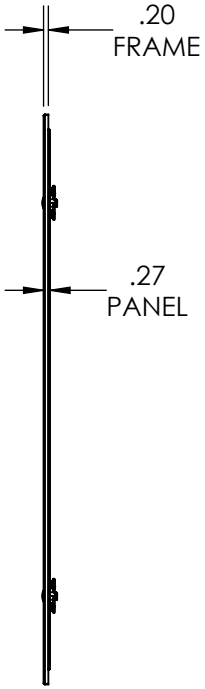


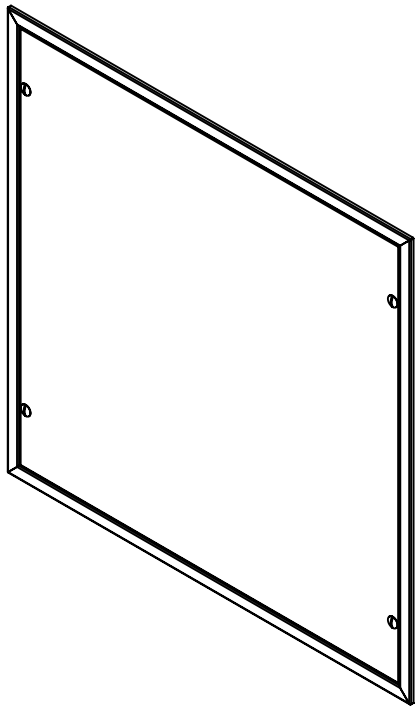
AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN SLG	MATERIAL 304SS	JOB NAME	TAG	QTY	REV # A
CHKD RH	FINISH #4 SATIN	ENGINEER	DRAWING NAME THD-1.5		SHT 7/10
APRVD	SIZE	CONTRACTOR			SCL 1:8
					DO NOT SCALE

STAINLESS STEEL
SSAP
LAY-IN ACCESS PANEL







AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 8/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:8
					DO NOT SCALE

STAINLESS STEEL
THD-1.5
SUSPENDED CEILING GRID

PRODUCT FEATURES
- Heavy Duty grid system
- Factory welded grid system on 12-1/8" Modulus (Ex. 24-1/4" x 48-1/2" Centerlines)
- Individual sections fabricated up to 60" x 72" as standard for ease of transport, handling, and installing. Larger sections available as applicable / practical
- Designed via structural analysis software for rigidity - ensures a tight seal from the contaminated plenum space above
- Supports a minimum of 10 lbs load / square foot
- Sections are provided with Support Clamps to lock section together
- Factory furnished compression clips hold diffusers tight to frame to prevent leakage (optional - field installed)

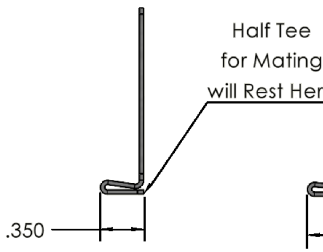
FULL TEE FEATURES
- 1-1/2" Wide Full T-Beams exceeding 0.52 lbs/lineal foot
- 1-1/2" high vertical leg minimizes interference with installed ceiling components and hanger wire or threaded rod
- Minimum wall thickness of 1/8"

HALF TEE FEATURES
- 3/8" Half Tees with mating to Full Face Tee design for positive alignment between mating sections. Eliminates need for gaskets between sections.
- Pairs of Half Tees mate together to form a dimensional equivalent of a Full Tee

SUPPORT METHODS
- Holes die punched at 6" intervals in vertical legs of Full Tee members for hanger wire supports. Half Tee clamps are included for support of mating sections of the grid system
- 24" to 48" support intervals in both directions are typical. Ceiling load, support specifications, and building codes will dictate requirements.

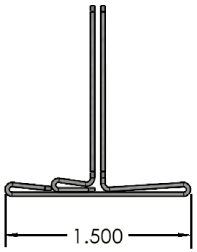
MATERIALS
- Stainless Steel and/or Aluminum for strength/rigidity, corrosion protection, and clean lines.
- Closed-cell Neoprene gasket tape material is provided for field installation.

FINISHES
- White Antimicrobial Epoxy powder coat finish
- #4 Satin finish

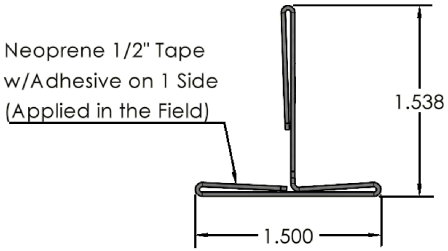


Half Tee For Mating Section

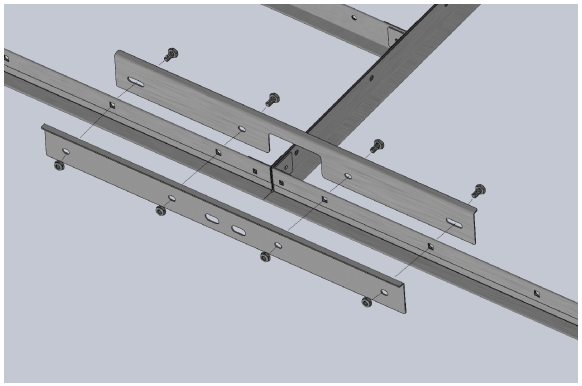
Half Tee w/Full Tee Face Section



Mating Half Tee Section



Full Tee Section


Connecting Tee Section Support Clamp

AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5	
APRVD:	SIZE:	CONTRACTOR:		

REV # A | SHT 9/10 | SCL 1:24 | DO NOT SCALE

STAINLESS STEEL

THD-1.5

SUSPENDED CEILING GRID

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, pre-fabricated assembly or sub-assembly. 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 subassemblies. The sub-assemblies are constructed so that Half Tee members are used where sub-assemblies 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 sub-assemblies 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" 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.

AJ MFG
8701 Elmwood Ave #400
Kansas City, MO 63132
Ph:816-231-5522 Fax:816-231-8437
800-247-5746 Email:robhaake@ajmfg.us
Please Visit Our Web Site At: www.ajmfg.com

DRAWN: SLG	MATERIAL: 304SS	JOB NAME:	TAG:	QTY:	REV # A
CHKD: RH	FINISH: #4 SATIN	ENGINEER:	DRAWING NAME: THD-1.5		SHT 10/10
APRVD:	SIZE:	CONTRACTOR:			SCL 1:24
					DO NOT SCALE