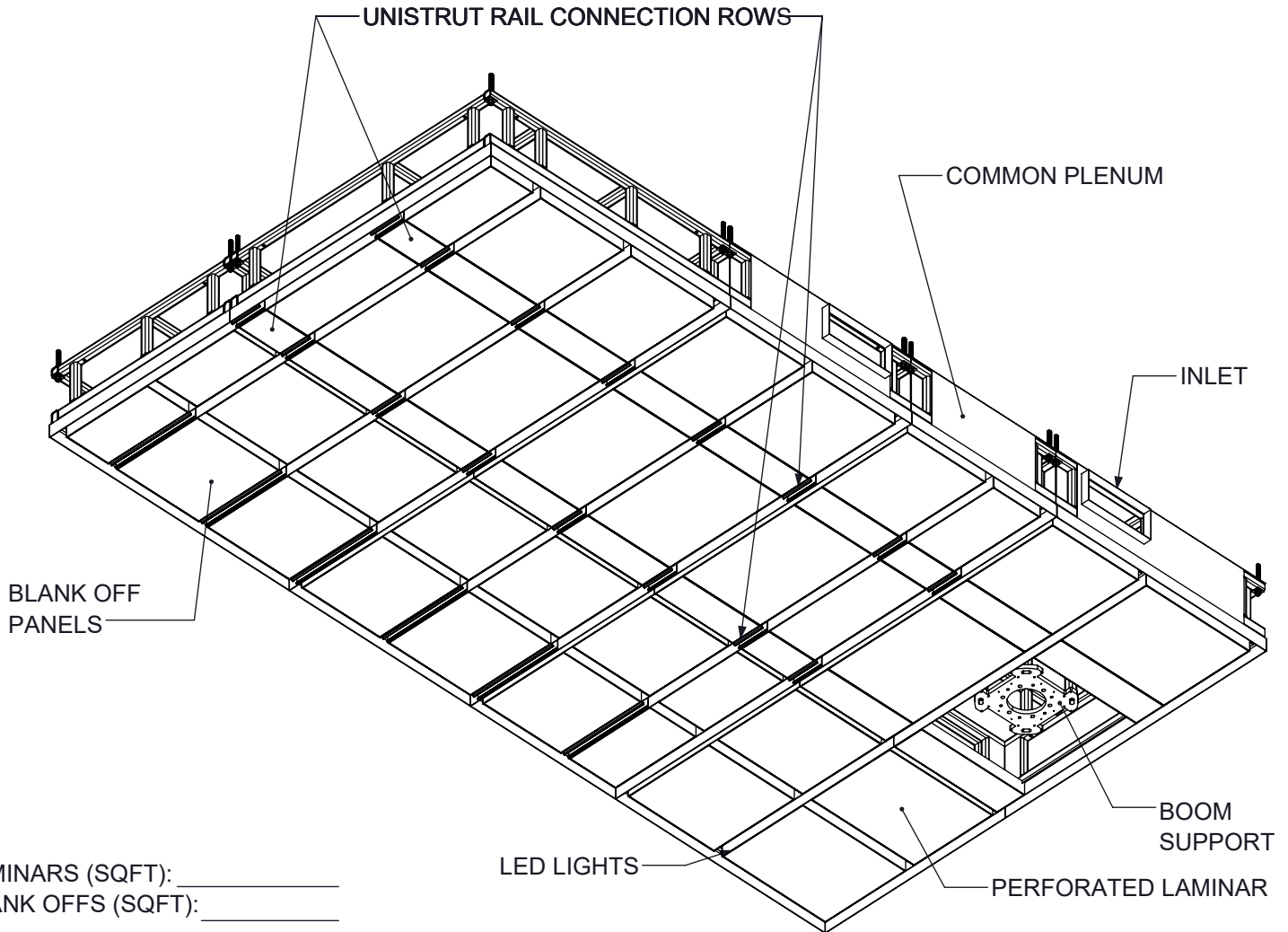


STERILSUITE-SD-H

OPERATING ROOM CEILING SYSTEM
STRUCTURAL - HYBRID

JOB NAME _____
ENGINEER _____
CONTRACTOR _____
TAG _____

SUBMITTAL SHEET



LAMINARS (SQFT): _____
BLANK OFFS (SQFT): _____

OF INLETS: _____
INLET SIZE (W x H): _____

NOTES:

1. Customizable, modular ceiling system with common plenum design and integrated LED lighting
2. Steel plenum and structure
3. Gel Seal, Knife Edge Standard
4. Laminar flow arrangement to meet ASHRAE 170 OR design requirements
5. Low profile Common plenum allows ease of integration into new or existing building
6. Integrated White LED lighting, tunable and dimmable
7. Integral Full Face Slide Damper Face accessible through laminar face
8. Hanger tabs with All-Thread Holes and Threaded Rods
9. Blank offs and Access panels provided where needed
10. Load bearing boom supports as needed
11. Load bearing Unistrut supports as needed

Laminar Construction

- ☐ Aluminum (Standard)
- ☐ 304 Stainless Steel
- ☐ 316 Stainless Steel

Optional Features

- ☐ HEPA Filter
- ☐ ULPA Filter
- ☐ 1.5" External Insulation
- ☐ Custom LED Colors

Finish

- ☐ Antimicrobial White
- ☐ Custom Colors

DIMENSIONS GIVEN AS INCHES [MM]

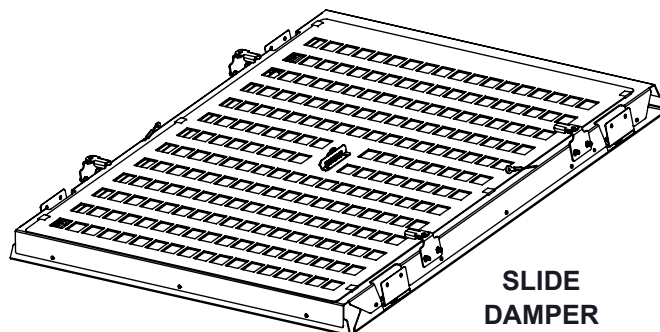
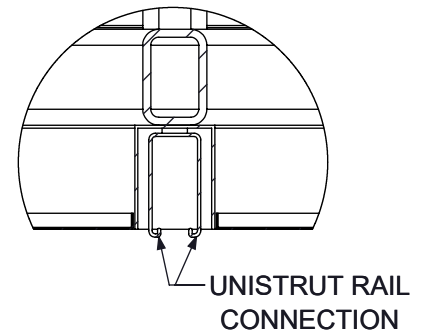
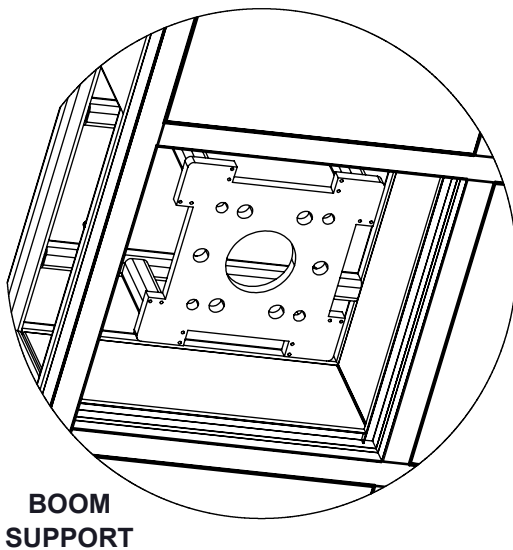
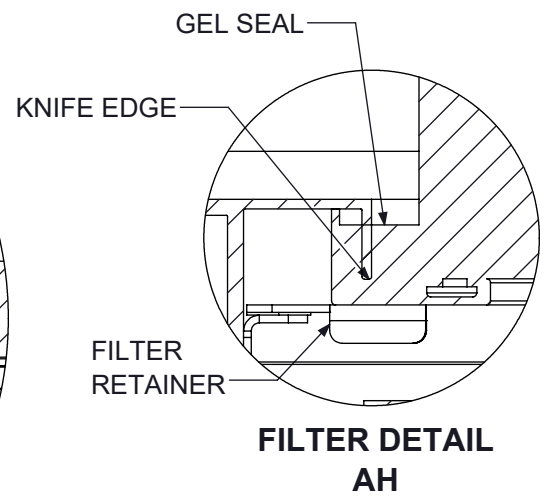
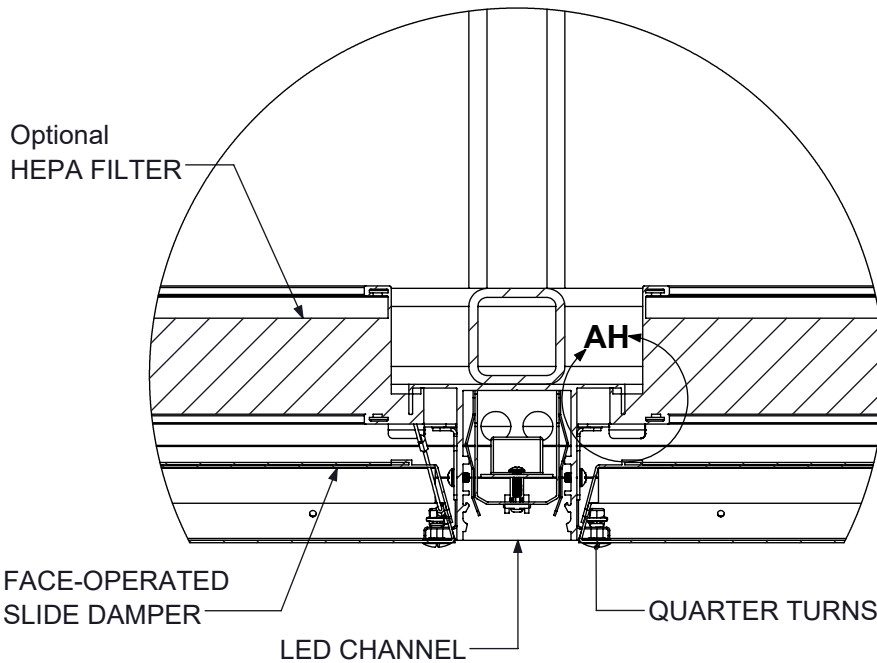
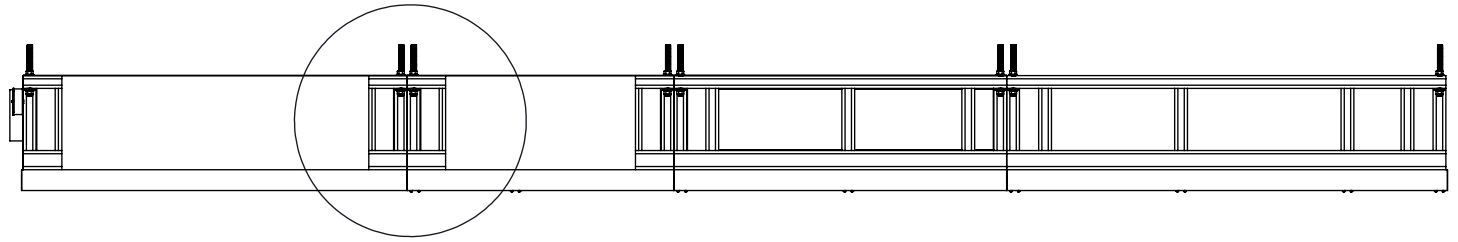
Revision Date: 9/17/2024

Form: SS0021

Replaces: NEW

SHEET 1 OF 5

Product Information is Subject to Change Without Notice





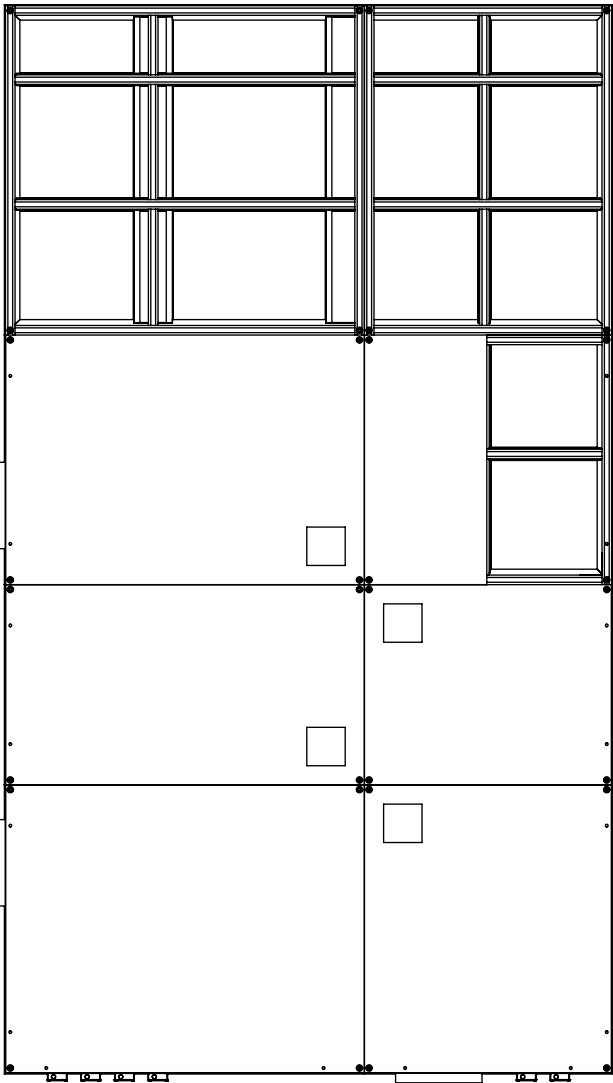
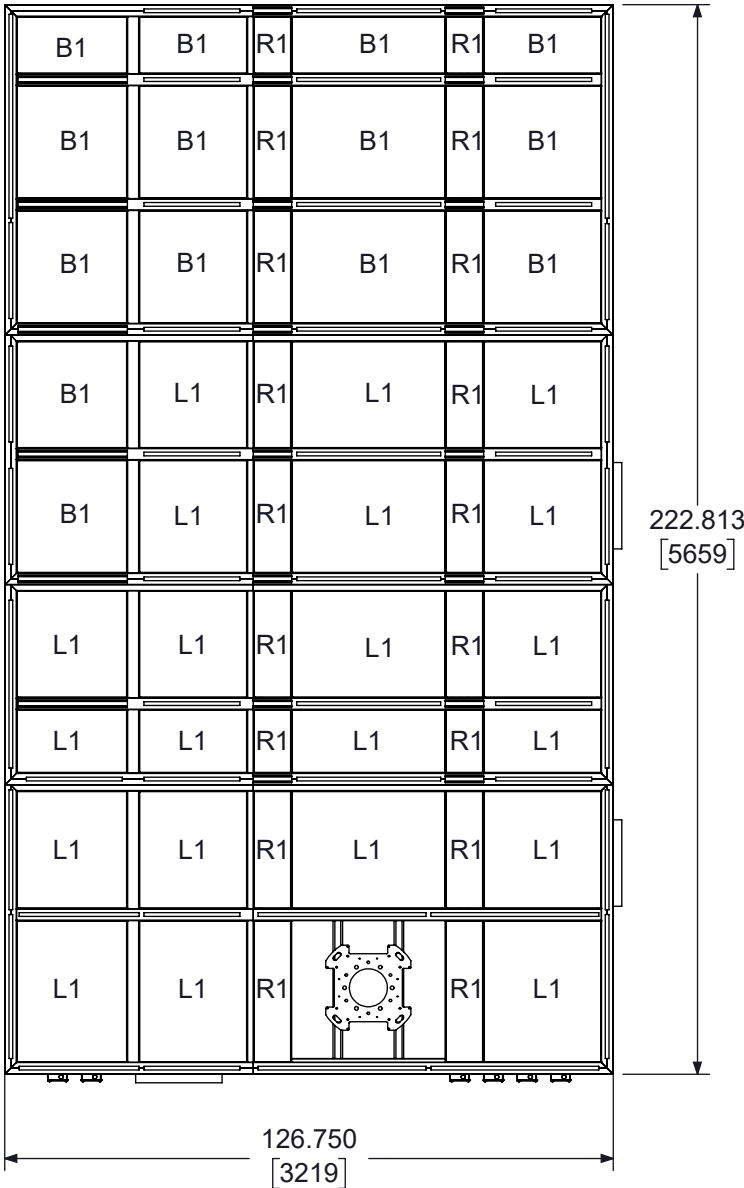
STERILSUITE-SD-H

OPERATING ROOM CEILING SYSTEM
STRUCTURAL - HYBRID

JOB NAME _____
ENGINEER _____
CONTRACTOR _____
TAG _____

SUBMITTAL SHEET

222.8" x 126.75"
Example System
Shown



PLENUM VIEW

| TAG | TYPE | QUANTITY |
|-----|------------|----------|
| B1 | BLANK OFF | 14 |
| L1 | LAMINAR | 21 |
| R1 | RAIL PANEL | 18 |

DIMENSIONS GIVEN AS INCHES [MM]

222.8" x 126.75"
Example System
Shown

ASHRAE 170-2021 CRITERIA

Coverage of the primary supply diffuser array shall extend a minimum of 12" beyond the surgical table foot print on all sides.
 >70% of this area shall be covered by unidirectional, non-aspirating supply diffusers

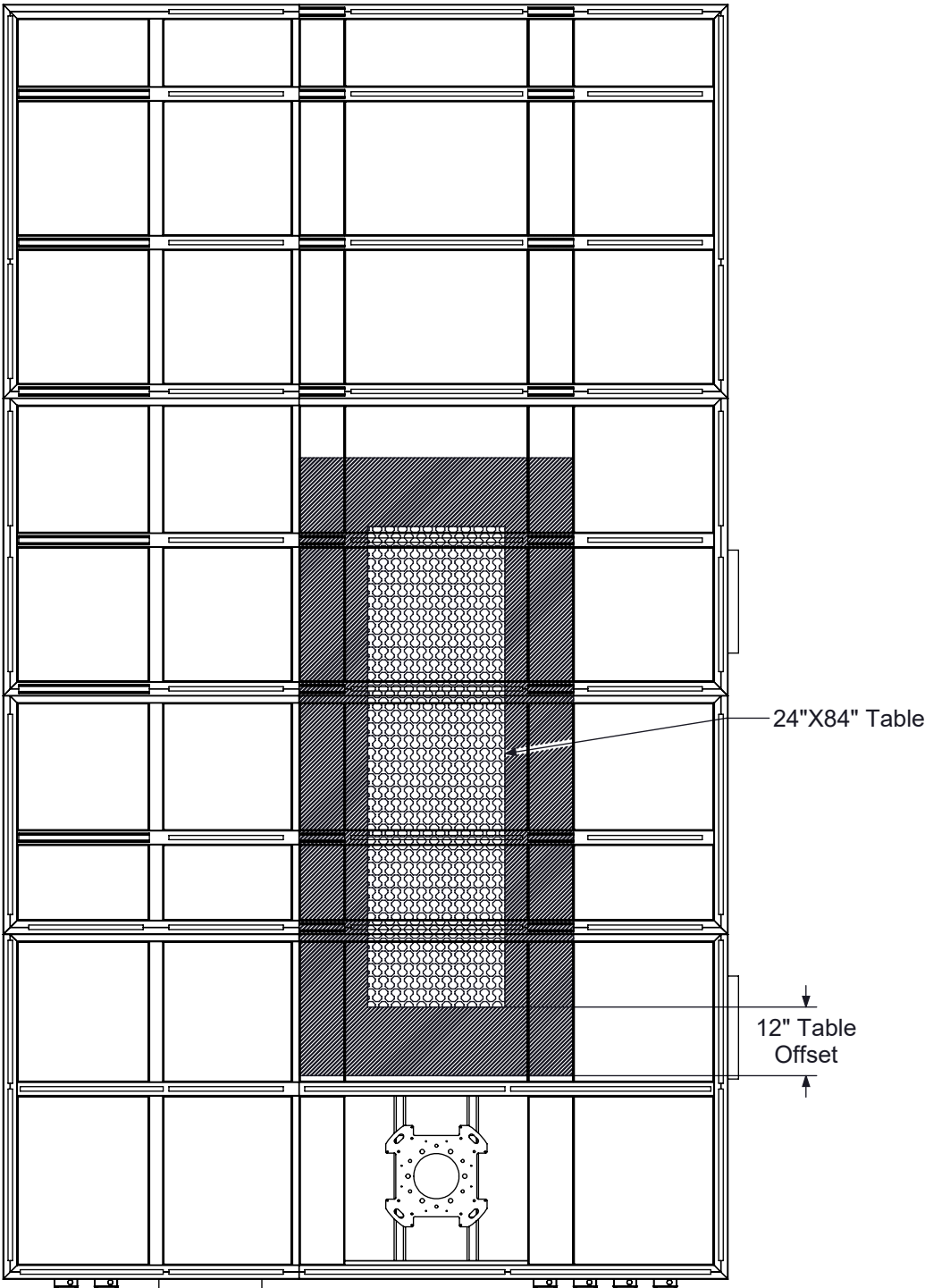
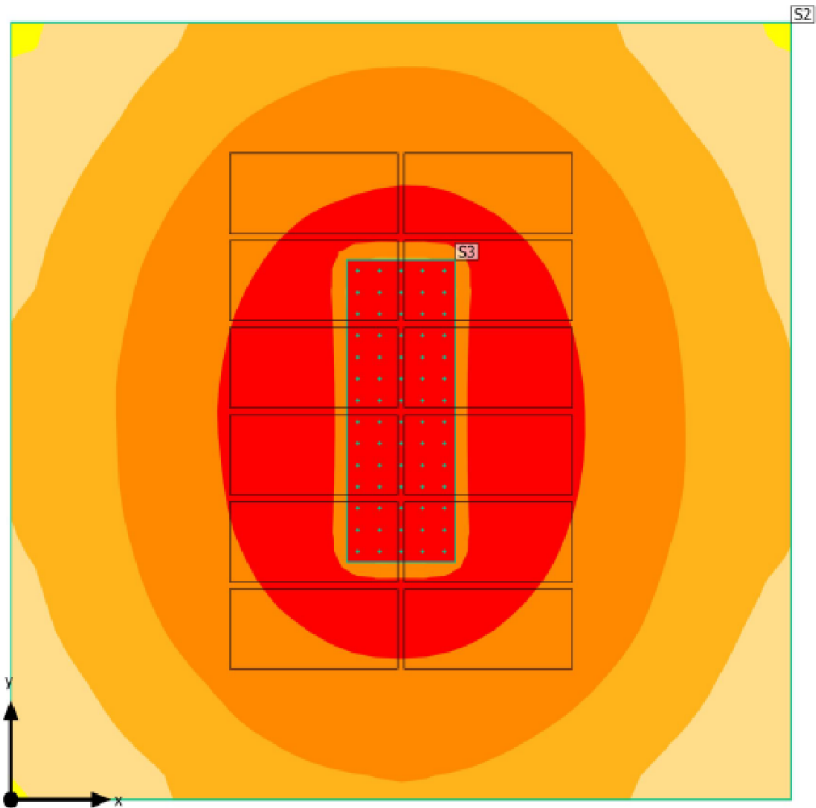


Table w/ Offset = 36 SQ FT (100%)
 Supply Diffuser Coverage = 30 SQ FT (83%)

Example
Photometric
Analysis System
Shown

Building 1 · Storey 1 · Room 1 (Light scene 1)
Calculation objects



Calculation objects

Work planes

| Properties | E (Target) | E _{min} | E _{max} | g ₁ | g ₂ | Index |
|---|----------------------------|------------------|------------------|----------------|----------------|-------|
| Workplane (Room 1) Perpendicular Illuminance (adaptive) Height: 2.625 ft, Wall zone: 0.000 ft | 199 fc (≈ 92.9 fc) ✓ | 0.00 fc | 377 fc | 0.00 | 0.00 | S2 |

Calculation surfaces

| Properties | E | E _{min} | E _{max} | g ₁ | g ₂ | Index |
|---|--------|------------------|------------------|----------------|----------------|-------|
| OR Table Perpendicular Illuminance Height: 2.625 ft | 406 fc | 364 fc | 428 fc | 0.90 | 0.85 | S3 |