Nailor® Industries Inc.

CRITICAL ENVIRONMENT PRODUCTS

FLUSH CEILING GRID SYSTEMS FOR CLEANROOMS AND HOSPITAL OR SUITES

92 SERIES:
STERI-SUITE

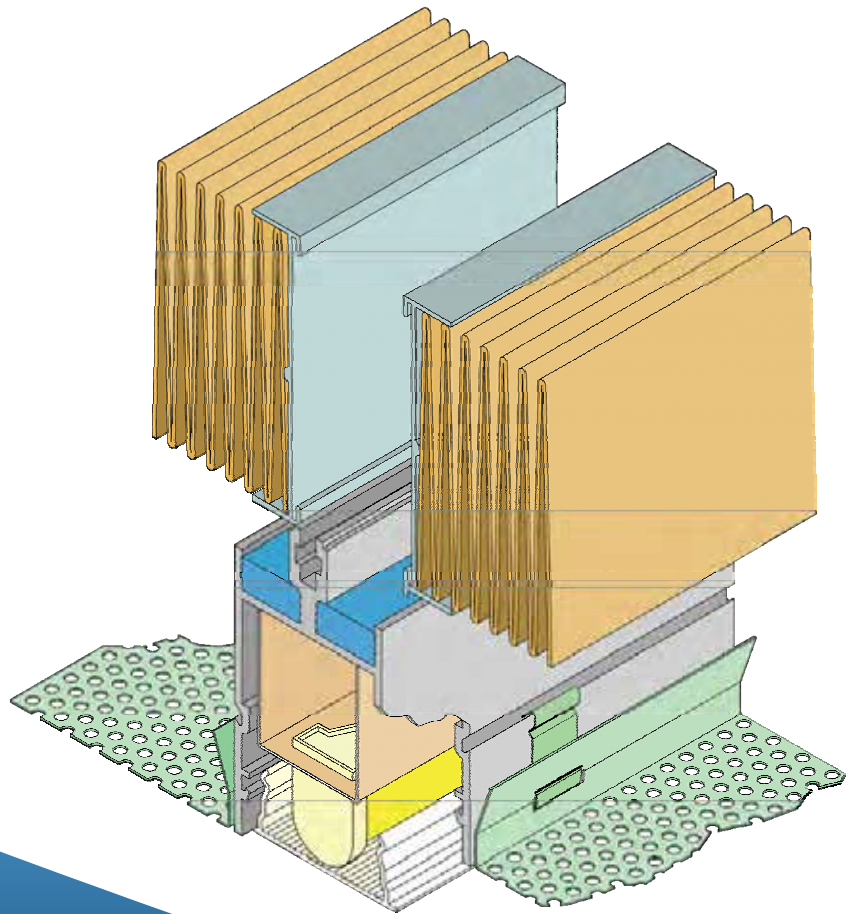## Integrated Laminar Airflow Technology and LED Lighting.

CRITICAL ENVIRONMENT PRODUCTS

TOP LOAD POWDER COATED EXTRUDED ALUMINUM FLUSH CEILING GRID SYSTEM

FEATURES:

- Laminar flow air distribution technology
- MERV 14, HEPA and ULPA filter options
- 2.5" Flush Ceiling Grid System with integrated lighting (T5, T8, LED)
- Factory welded grid modules are manufactured in sizes up to 8ft x 24ft
- Grid-to-grid connections have pre-machined bolt holes for ease of installation
- Grid modules have integrated fire protection
- Top Load with GEL seal integrated into the grid frame
- Bottom 'Snap-In' Flush Face Screen that aerodynamically evens the airflow under the grid modules
- Grid is a proven product with over 1 Million square feet installed
- Installation takes a fraction of the time, manpower, and cost of conventional stick-built systems
- Fall protection hardware available
- Seismic bracing available
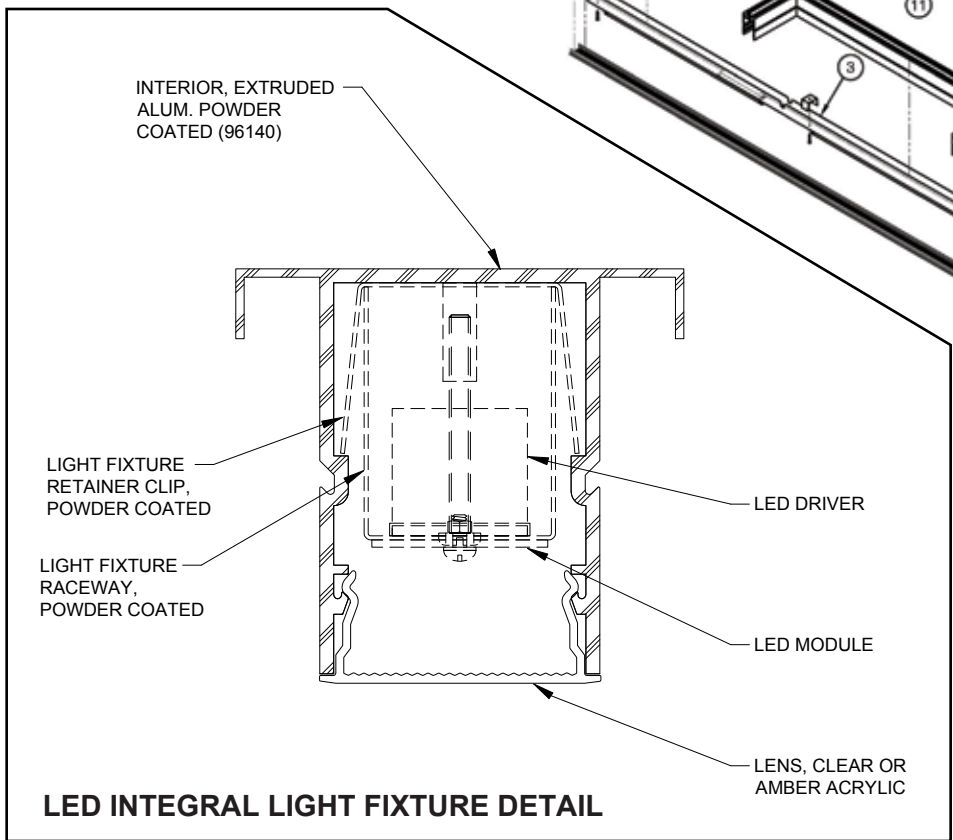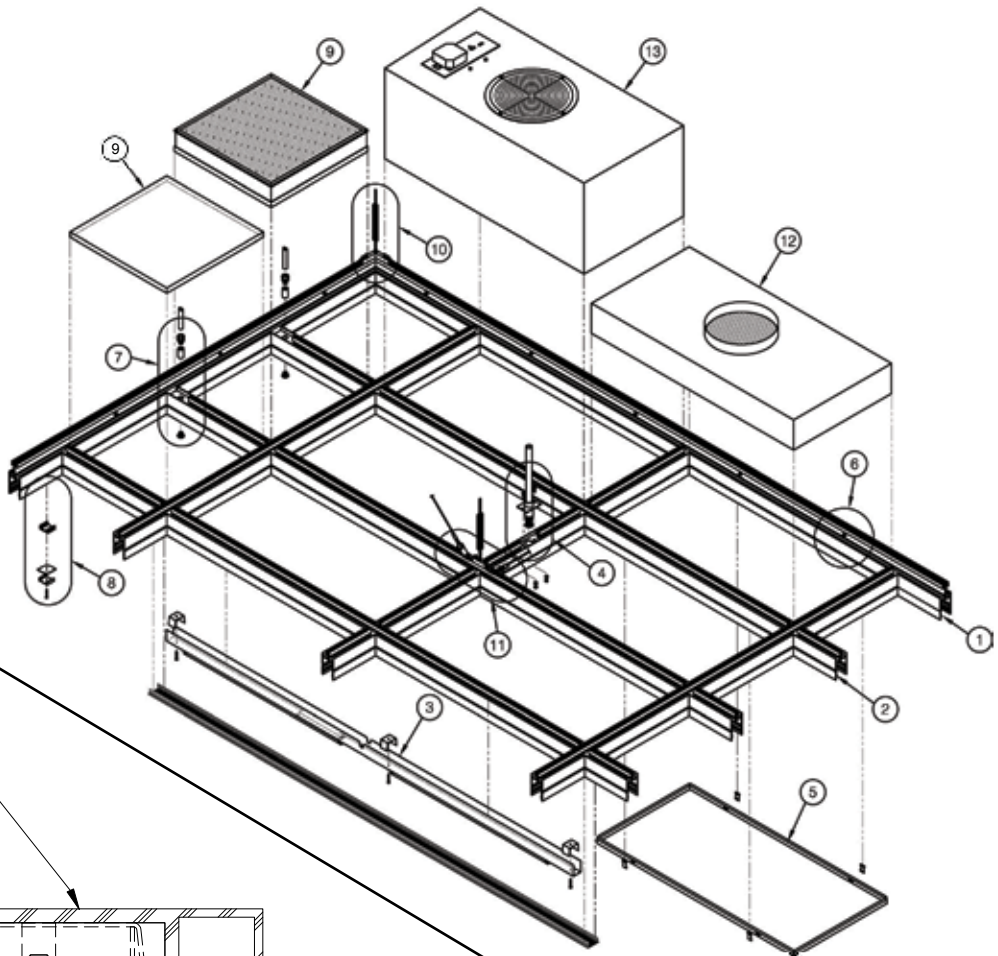- Ducted Filters and Fan Filter Units available

92 SERIES:
STERI-SUITE

Integrated Laminar Airflow Technology and LED Lighting.

Nailor® *STERI-SUITE*

1. Perimeter Grid 91249 - Extruded Aluminum
2. Interior Grid 91229 - Extruded Aluminum
3. Integral Light Fixture, Ballast, Wire Separator, Fixture Clips
4. Sprinkler Penetration
5. Face Screen and Clips
6. Module to Module Connection
7. Electrical Conduit Penetration

8. Headtrack & Grid-to-Wall Closer
9. HEPA/ULPA Filter and Blank Pan
10. Corner Suspension Hanger
11. Interior Intersection Hanger and Seismic Bracing
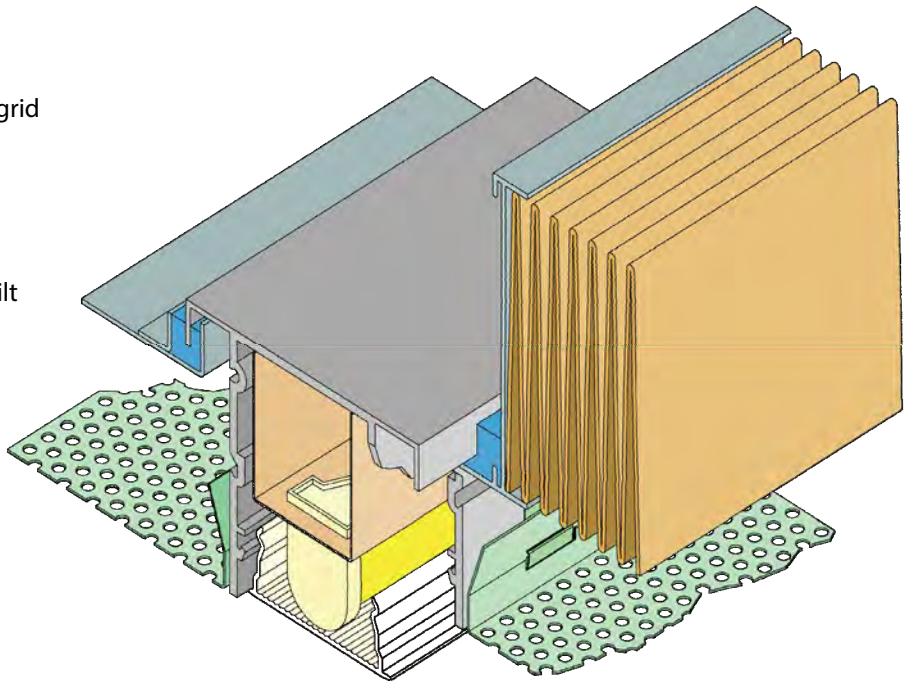12. Ducted Filter Module
13. Fan Filter Unit (FFU)

INTERIOR, EXTRUDED ALUM. POWDER COATED (96140)

LIGHT FIXTURE RETAINER CLIP, POWDER COATED

LIGHT FIXTURE RACEWAY, POWDER COATED

LED DRIVER

LED MODULE

LENS, CLEAR OR AMBER ACRYLIC

LED INTEGRAL LIGHT FIXTURE DETAIL

BOTTOM LOAD POWDER COATED
EXTRUDED ALUMINUM
FLUSH CEILING GRID SYSTEM

FEATURES:

- Laminar flow air distribution technology

- MERV 14, HEPA and ULPA filter options

- 2.5" Flush Ceiling Grid System with integrated lighting (T5, T8, LED)

- Factory welded grid modules are manufactured in sizes up to 8ft x 24ft

- Grid-to-grid connections have pre-machined bolt holes for ease of installation

- Grid modules have integrated fire protection

- Bottom Load filters with integrated GEL seal

- Bottom 'Snap-In' Flush Face Screen that aerodynamically evens the airflow under the grid modules

- Grid is a proven product with over 1 Million square feet installed

- Installation takes a fraction of the time, manpower, and cost of conventional stick-built systems

- Fall protection hardware available

- Head Track connections available

- Seismic bracing available
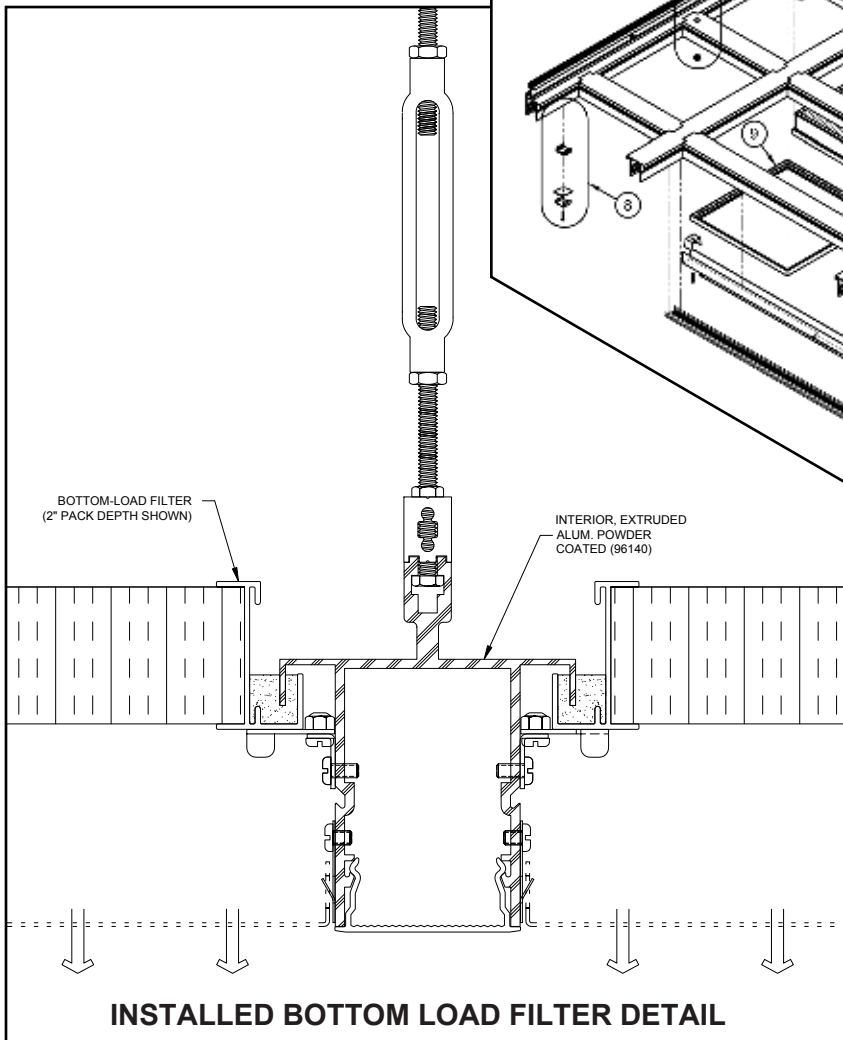
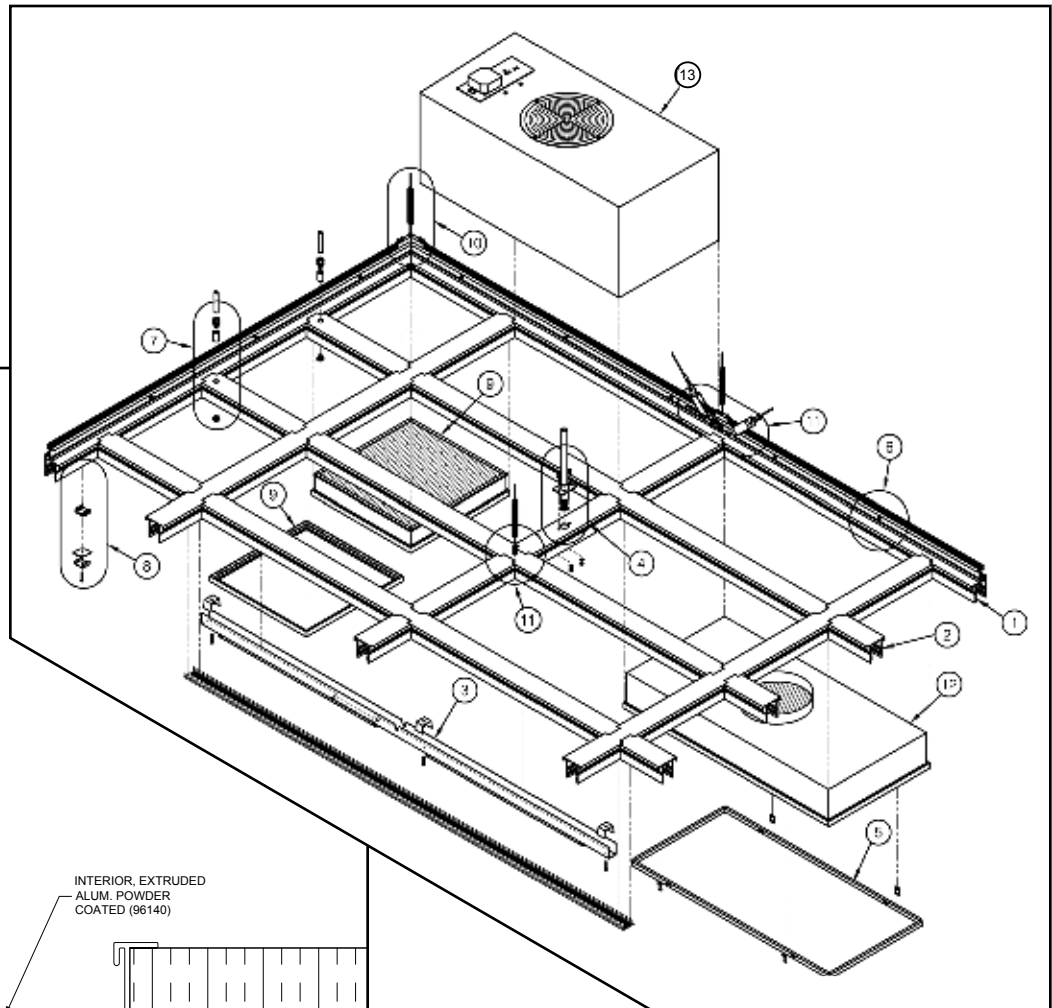- Ducted Filters and Fan Filter Units available

92 SERIES:
STERI-SUITE

Integrated Laminar Airflow Technology and LED Lighting.

Nailor® *STERI-SUITE*

1. Perimeter Grid 96141 - Extruded Aluminum
2. Interior Grid 96140 - Extruded Aluminum
3. Integral Light Fixture, Ballast, Wire Separator, Fixture Clips
4. Sprinkler Penetration Detail
5. Face Screen and Clips
6. Module to Module Connection
7. Electrical Conduit Penetration

8. Headtrack & Grid-to-Wall Closer
9. HEPA/ULPA Filter and Blank Pan
10. Corner Suspension Hanger
11. Interior Intersection Hanger and Seismic Bracing
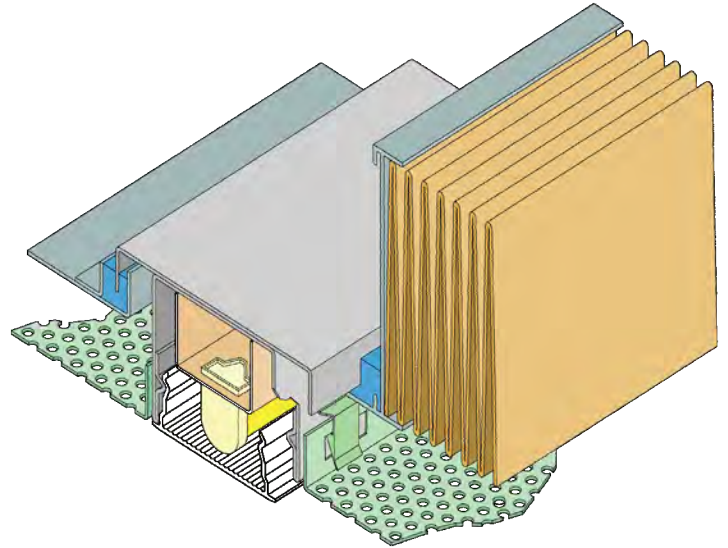12. Ducted Filter Module
13. Fan Filter Unit (FFU)

BOTTOM-LOAD FILTER
(2" PACK DEPTH SHOWN)

INTERIOR, EXTRUDED
ALUM. POWDER
COATED (96140)

INSTALLED BOTTOM LOAD FILTER DETAIL

CRITICAL ENVIRONMENT PRODUCTS

BOTTOM LOAD
STAINLESS STEEL
FLUSH CEILING GRID SYSTEM

FEATURES:

- Laminar flow air distribution technology

- MERV 14, HEPA and ULPA filter options

- 2.5" Flush Ceiling Grid System with integrated lighting (T5, T8, LED)

- Factory welded grid modules are manufactured in sizes up to 8ft x 24ft

- Grid-to-grid connections have pre-machined bolt holes for ease of installation

- Stainless steel grid modules are constructed from 304 or 316 grade material

- Grid modules have integrated fire protection

- Bottom load filters with integrated GEL seal

- Bottom 'Snap-In' Flush Face Screen that aerodynamically evens the airflow under the grid modules

- Grid is a proven product with over 1 Million square feet installed

- Installation takes a fraction of the time, manpower, and cost of conventional stick-built systems

- Head Track connections available
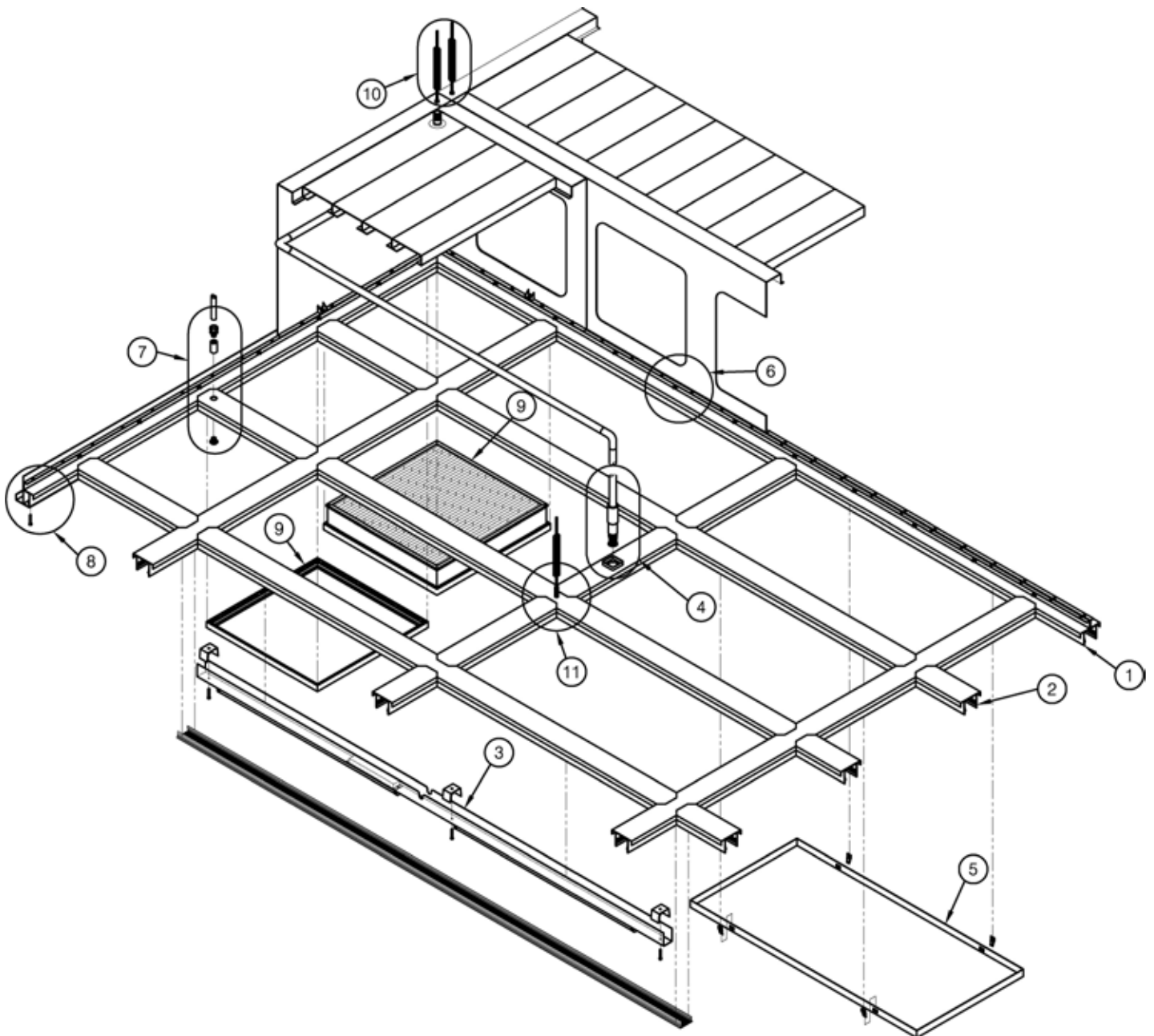
- Seismic bracing available

92 SERIES:
STERI-SUITE

Integrated Laminar Airflow Technology and LED Lighting.

Nailor® STERI-SUITE

1. Perimeter Grid - Stainless Steel
2. Interior Grid - Stainless Steel
3. Integral Light Fixture, Ballast, Wire Separator, Fixture Clips
4. Sprinkler Penetration Detail
5. Face Screen and Clips
6. Module to Module Connection
7. Electrical Conduit Penetration
8. Grid-Wall Connection Detail
9. HEPA/ULPA Filter and Blank Pan
10. Corner Connection Hanger
11. Interior Intersection Hanger
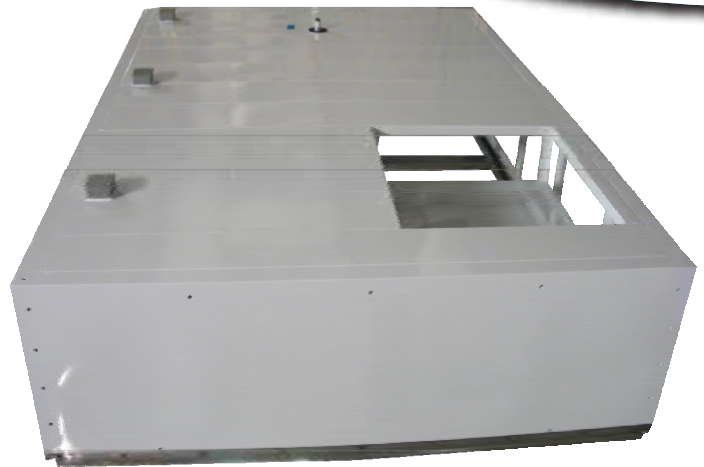
![Nailor Industries Inc. logo]

CRITICAL ENVIRONMENT PRODUCTS

PLENUM MODULES
FLUSH CEILING GRID SYSTEM

FEATURES:

- Plenum modules provide direct support for recirculation air handlers

- Plenum modules eliminate the need for field built plenums

- Plenum modules reduce pressure drop within the cleanroom ceiling system

- Modules can be manufactured with shared air openings to balance air flow to adjacent plenums

- Plenum modules can be attached to either top load, bottom load, or stainless steel flush grid systems

- Plenum-to-plenum connections have pre-punched bolt holes for ease of installation

- Plenum modules are suspended from existing structure or a custom floor mounted structure can be provided

- Plenum modules have integrated fire protection

- Plenum modules have integrated electrical wiring

- Modules are available in sizes up to 8ft x 24ft

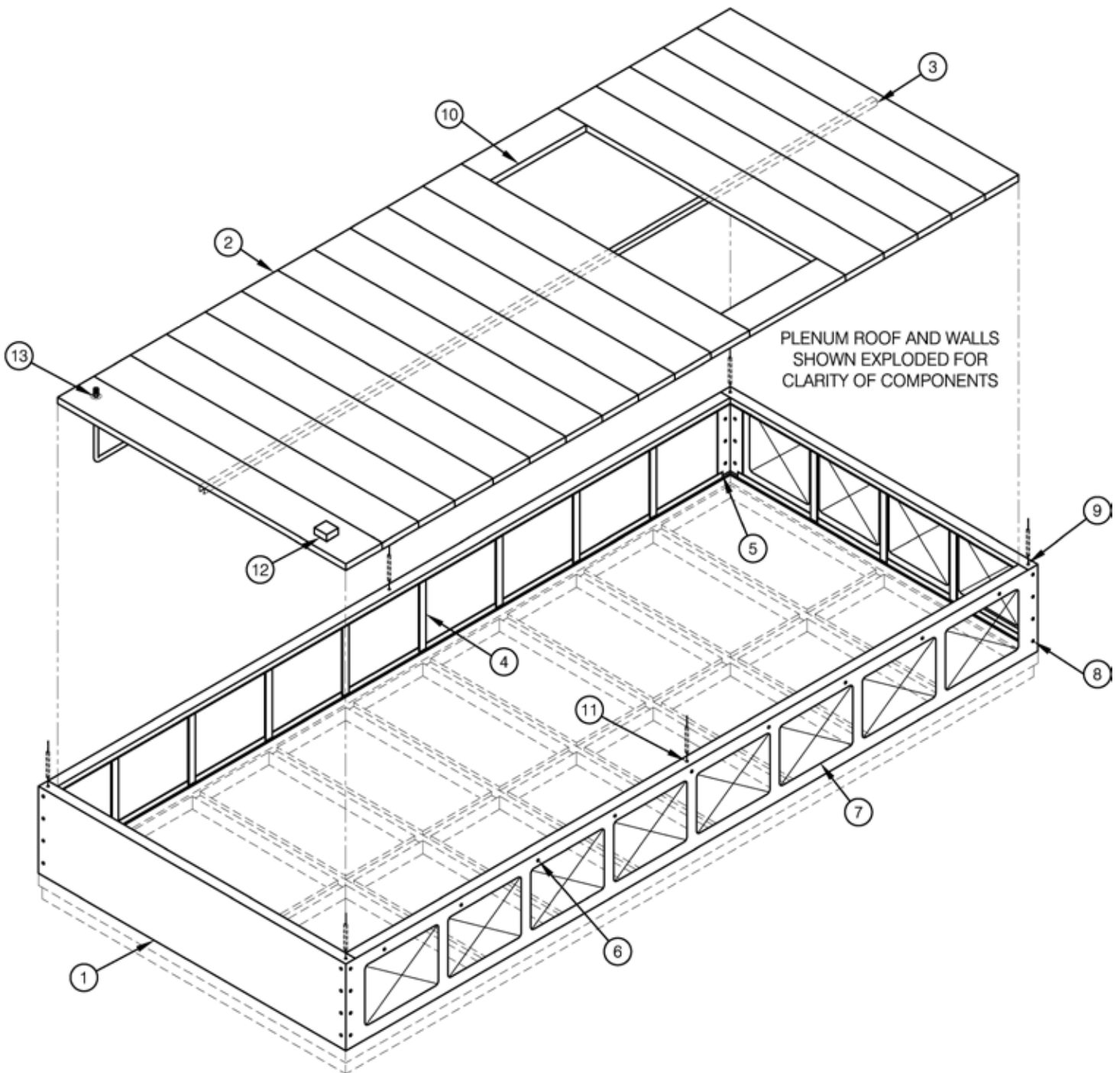**TOP OF PLENUM MODULE SHOWN WITH DIFFUSION SCREEN AND STAINLESS GRID**

BOTTOM FACE OF PLENUM MODULE SHOWN WITH SPRINKLER AND LIGHTS

92 SERIES:
STERI-SUITE

Integrated Laminar Airflow Technology and LED Lighting.

Nailor® STERI-SUITE

1. Plenum Side and End Wall
2. Plenum Roof Panels
3. Reinforcement for Roof Support and Leveling Grid Below
4. Vertical Plenum Stiffeners
5. Corner Connection Angle
6. Module to Module Connection
7. Module to Module Shared Air Opening
8. Module to Module Connection or Structural Column Support Point
9. Corner Suspension Point
10. Plenum Supply Air Opening
10. Mid-Span Suspension Point
11. Electrical Junction Box
12. Sprinkler Drop Penetration

PLENUM ROOF AND WALLS SHOWN EXPLODED FOR CLARITY OF COMPONENTS

CRITICAL ENVIRONMENT PRODUCTS

FAN POWERED PLENUM MODULES
FLUSH CEILING GRID SYSTEM

FEATURES:

- Fan powered plenums are ideal for retrofits with no space available for recirculation air handlers

- Provides great redundancy in the system

- Available with complete control system, controlled by a PC with interface to building management systems

- Wall Mount Fan Controller - can control up to 200 fan and motor assemblies

- Available with handheld controller to individually set and control each fan/motor assembly

- Plenum modules eliminate the need for field built plenums

- Modules can be manufactured with shared air openings to balance air flow to adjacent plenums

- Plenum modules are suspended from existing structure or a custom floor mounted structure can be provided

- Plenum modules have integrated fire protection

- Plenum modules have integrated electrical wiring

- Modules are available in sizes up to 8ft x 24ft

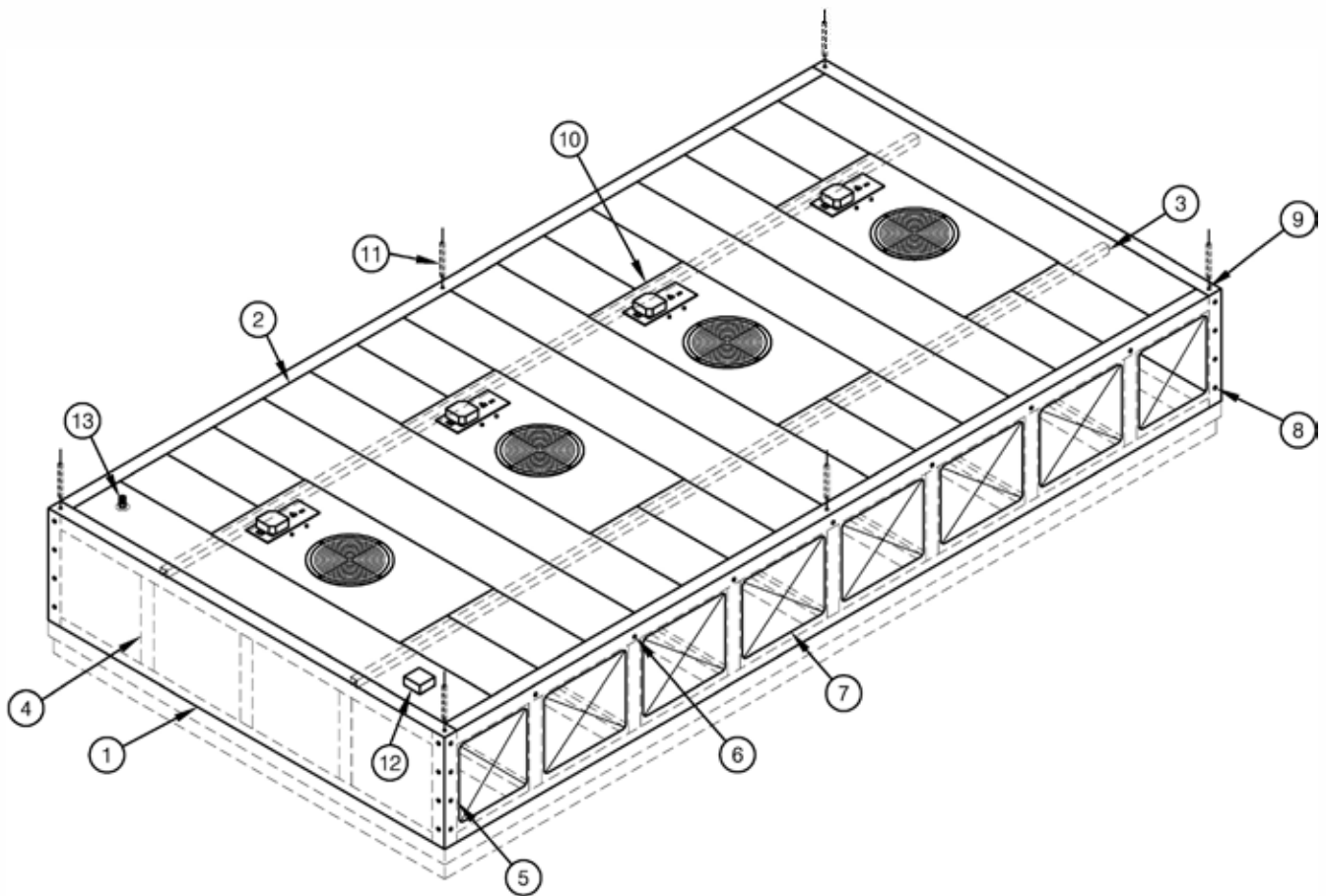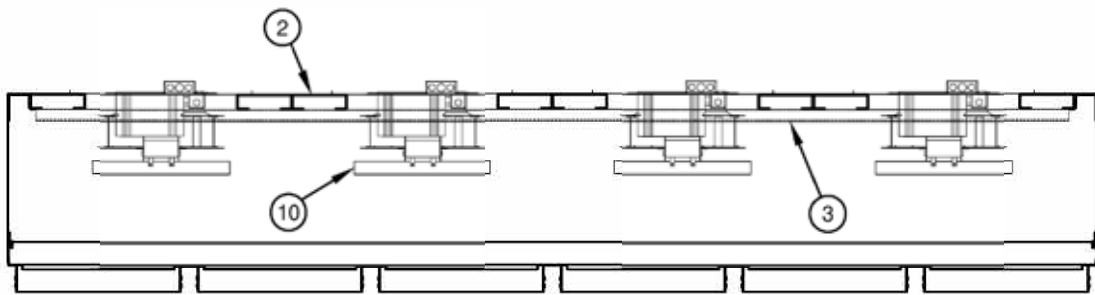

**SHOWN WITH
RETURN AIR PLENUM**

INSIDE FAN POWERED PLENUM MODULE

92 SERIES:
STERI-SUITE

Integrated Laminar Airflow Technology and LED Lighting.

Nailor® *STERI-SUITE*

1. Plenum Side and End Wall
2. Plenum Roof Panels
3. Reinforcement for Roof Support and Leveling Grid Below
4. Vertical Plenum Stiffeners
5. Corner Connection Angle
6. Module to Module Connection
7. Module to Module Shared Air Opening
8. Module to Module Connection or Structural Column Support Point
9. Corner Suspension Point
10. TPA - Fan Powered Plenum
11. Mid-Span Suspension Point
12. Electrical Junction Box
13. Sprinkler Drop Penetration

FLUSH CEILING GRID SYSTEMS
Top Load extruded aluminum ceiling grid system
Bottom Load extruded aluminum ceiling grid system
Bottom Load stainless steel ceiling grid system
PLENUM MODULES
Plenum Modules with integrated lighting, fire protection and filtration systems
Fan Powered Plenum Modules with integrated custom control systems
AIR HANDLERS BY THERMAL CORPORATION
Recirculation Air Handlers with Direct Drive fans
Custom Make-up Air Handlers.
LAMINAR FLOW AND RADIAL PATTERN HOSPITAL/CLEANROOM DIFFUSERS
Aluminum and Stainless Steel Models
Steri-System OR Air Curtain Systems