

TuffWrap[®] Installations Projects AEROSPACE



Total Enclosure Protects Aerospace Facility

OVERVIEW

TuffWrap[®] Installations Custom Total Enclosure Solution protected a large aerospace manufacturing facility and enabled the client to maneuver products without obstacles.

CHALLENGE

TuffWrap had to create an enclosure solution with walls that could automatically open and close. Typically the Total Enclosure is mechanically attached to the floor, but this would have been difficult to maneuver the client's large crane (with the capacity to carry 300 tons of products) in and out of the enclosure. In addition, the enclosure ceiling could not impede the sprinkler system. TuffWrap's had to meet these needs while also protecting products and equipment from the dust produced by the addition the client was constructing.

SOLUTION

TuffWrap created a Total Enclosure Solution that incorporated C.O.R.E. Frameless Walls[®] and SmartSeam[®] Suspended Cover. To make the walls retractable, an electric winch pulley system was built, allowing the client to pulley the walls up via remote control. To provide stability when the walls were closed, piping and a removable floor anchor system were fitted at the bottom of the walls. Cables distinguished the top of the walls when they were open. Each of the three walls could be opened and closed individually, and no impediments to the floor meant the client had an accessible way to transport products and equipment with ease.

The ceiling portion of the Total Enclosure was assembled using TuffWrap's patented SmartSeam[®] Suspended Cover which is 100% Code Compliant and can

Project Details

INDUSTRY

Aerospace

LOCATION

CLIENT(S)

Aerospace
Manufacturing
Facility

SOLUTION

Total Enclosure
(SmartSeam[®]
Suspended Cover &
C.O.R.E. Frameless
Walls)

SIZE

256 LF of Walls, 5000
sq. ft. of Suspended
Cover

DURATION



be installed below fire sprinklers. Its signature heat-reactive seam breaks away in case of fire, keeping fire sprinklers operational.

CONCLUSION

The Aerospace Manufacturing Facility requested a safe multifunctional containment accessible to equipment, products, and personnel. A custom Total Enclosure Solution provided versatility when conventional methods would not have worked. TuffWrap’s innovative Smart Seam Suspended Cover combined with C.O.R.E. Frameless Walls provided a total seal for the affected area, providing 100% protection from dust migration while keeping fire sprinklers functional.

There’s no stopping industrial construction, but TuffWrap is here to stop the dust and debris damage it can cause. TuffWrap® Installations’ innovative dust, debris, and construction containment solutions keep companies safe, clean, and operational during construction and repairs.

INNOVATIVE TUFFWRAP INSTALLATIONS PRODUCTS

SmartSeam® Suspended Cover • C.O.R.E. Frameless Walls® • TuffWrap® Hybrid Walls • TuffWrap EXT® Exterior Protection
TuffWrap® Total Enclosure Solution • HSDR (High Structured Dust Removal) • TuffWrap® Functional Construction Doors

TuffWrap® Installations, Inc.

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Made in USA

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