SECTION 02 42 13 (09515)

RECLAMATION OF ACOUSTICAL CEILING PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section.

1.2 SUMMARY

A. Section Includes:
   1. Reclamation Plan for acoustical ceiling panels.

B. Related Sections:
   1. Section 01 93 16 – Recycling Programs
   2. Section 09 51 00 (09510) - Acoustical Ceilings

1.3 DEFINITIONS

A. Armstrong: Armstrong World Industries, Inc.

B. Recycler: The entity providing palletized reclaimed ceilings to Armstrong.

C. Contractor: Entity removing ceilings for reclamation.

D. Common Carrier: Independent carrier utilized by Armstrong for delivering full trailers of reclaimed ceiling panels to Armstrong.

1.4 SUBMITTALS

A. Applicable LEED Credits: Meet the performance requirements for the following LEED Environmental Categories and Credits as indicated.
   1. Category 4: Material and Resources (MR)
      a. Credit MRc2: Construction Waste Management

B. LEED Documentation:
   a. Submit data and information demonstrating compliance with LEED requirements.

C. Incorporate ceilings into the project site Waste Management Plan as material to be recycled.

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1.5 QUALITY ASSURANCE

A. Materials Acceptable for Recycling:
   1. All brands of dry, pulpable mineral fiber ceiling panels or tiles. All metal splines must be removed from tiles (12”x12”).

B. Materials Acceptable for Recycling Case-by Case: (Contact the Armstrong Recycling Center at 877-276-7876 option 4)
   1. All brands of dry fiberglass panels (Facing must be easily removable.)
   2. All vinyl or scrim-faced mineral fiber panels.

C. Materials Not Acceptable for Recycling:
   1. Asbestos containing ceiling tiles, Ceiling tiles installed below friable asbestos or contaminated with any other hazardous material.
   2. Wet, moldy or weathered ceiling tiles.
   3. Ceiling tiles or pallets/boxes/bales which contain visible debris (garbage, construction waste).
   4. Ceiling tiles not packaged according to Armstrong Specifications.
   5. Any gypsum ceiling or board.
   6. Ceiling panels with paint not applied by manufacturer.
   7. Foil-backed ceiling panels.

D. Call the Armstrong Recycling Center at 877-276-7876, select option 4 to review the building where the ceilings will be removed, verify the material meets our requirements and for assistance to facilitate recycle. We are continually updating the types of ceiling panels we can recycle and methods we can receive them in.

E. Ceiling material being reclaimed may not come into contact with asbestos containing material, hazardous waste materials or special waste.

   If the area where ceilings are being removed is or has gone through abatement procedures, verification that ceilings did not come in contact with asbestos containing material is required.

F. Ceiling material being reclaimed must be kept dry and free from debris.

G. Coordination of Work: Coordinate acoustical ceiling demolition work with contractors doing related work in the building including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

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1.6 PROJECT AND MATERIAL APPROVAL

A. Register Your Recycle Project: Contact the Armstrong Ceiling Recycling Center at 877-276-7876 option 4 or visit armstrongceilings.com/recycling

B. Required Information to Approve your project for recycling:

1. Contact information for the recycle project.

2. Building information (Year of Building Construction, GC or Demo Contractor, building use, copy of an asbestos survey, details on any prior or current abatement where ceiling is removed).

3. Ceiling Information – Material type, quantity, timing

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

3.1 SCHEDULING, PACKAGING AND SHIPPING PROCEDURES

- Receive final project approval for recycling by the Armstrong Recycling Center with all inclusive quote.
- Contractor will remove ceiling tiles to be recycled from grid.
- Contact the Armstrong Recycling Center (877-276-7876 option 4) to schedule a pick up.

A. Packing and loading procedure:

1. Contractor to supply pallets, metal bands, stretch wrap.

2. Approved ceiling materials will be palletized in a manner allowing both secure shipment by trailer and the ability of Armstrong employees to safely inspect and unload the trailers' contents. For this reason, all approved ceiling materials sent to Armstrong must be neatly stacked as follows:

   4’ x 4’ pallets stacked with ceiling materials to 4 feet tall each and then stacked on top of each other in the trailer. This method is preferred but proper loading equipment must be available at the job site.

3. Contractor will neatly stack ceiling panels on 4’ x 4’ wooden pallets and secure them with metal bands or stretch wrap for stable shipment. Any variation from pallet size must be pre-approved by Armstrong.

4. Pallets must be kept dry. Wet material is not acceptable and will be returned. Pallets must be labeled per Armstrong requirements.

5. Pallets must be secured within trailers to prevent shifting in transit. Carriers will provide load stabilizers.

6. Armstrong will arrange for full trailers of approved material, all of which are defined as 44,000 square feet as follows:
   a. Forty-four 4' x 4' pallets stacked with ceiling material to 4 feet tall each and then stacked on top of each other in the trailer. This method is preferred and proper loading equipment must be available at the job site.

7. It is recycler's responsibility to ensure that trailers of approved ceiling materials are loaded correctly.

8. The recycler retains ownership of approved ceiling materials until it is received and accepted at the destination, the Armstrong Plant, as defined by the terms of shipment, F.O.B. (Free on board) destination. While the Armstrong approved common carrier is not a party to this agreement, the following describes their responsibilities. The common carrier that Armstrong has selected is responsible for the transport of the approved ceiling materials from the pick up location to Armstrong's plant. This carrier is an independent contractor utilized by Armstrong and required to demonstrate general liability insurance coverage that meets or exceeds industry standards.

END OF SECTION

Armstrong World Industries, Inc.

Ceiling & Suspension System Specification

Please understand that you are responsible for the accuracy of all project specifications, including any Armstrong guide specifications that you use.

ARMSTRONG SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS.