

SECTION 02 42 51

CARPET REMOVAL AND RECLAMATION

05/09

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE/SAFE)

ASSE/SAFE A10.6 (2006) Safety Requirements for Demolition Operations

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA 340/1-90/018 (1990) Asbestos/NESHAP Regulated Asbestos Containing Materials Guidance

EPA AP-42 (1995) Compilation of Air Pollution Emission Factors

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 247 Comprehensive Procurement Guideline for Products Containing Recovered Materials

40 CFR 61-SUBPART M National Emission Standard for Asbestos

1.2 SUMMARY

Furnish a contract for used carpet reclamation, including planned procedures for removal and reclamation of used carpet.

Refer to related Section 09 68 00 CARPET for floor preparation prior to installation of new carpet.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Proposed dust-control measures

Proposed packing and transportation measures

Schedule of carpet reclamation activities indicating the following:

Detailed sequence of removal work.

Inventory of items to be removed.

[Carpet Reclamation Agency records](#) indicating receipt and disposition of used carpet.

1.4 QUALITY ASSURANCE

1.4.1 Carpet Reclamation Agency

Provide documentation of being a Carpet America Recovery Efforts (CARE) approved carpet removal contractor (or designated agent firm) providing used carpet recycling under the most current EPA recognized Carpet Reclamation Program, or equivalent from alternate recycling agent.

1.4.2 Carpet Remover Requirements

Submit details for the following:

[Proposed dust-control measures](#)

[Proposed packing and transportation measures](#)

1.4.3 Carpet Reclamation Agency Submittal

Submit a copy of [Carpet Reclamation Agency records](#) verifying disposition.

1.4.4 Regulatory Requirements

Comply with governing regulations; including, but not limited to:

[EPA 340/1-90/018](#)

[EPA AP-42](#)

[40 CFR 61-SUBPART M](#)

[ASSE/SAFE A10.6](#)

[40 CFR 247](#)

Comply with hauling and disposal regulations of authorities having jurisdiction. Record and maintain records of all off-site removal of debris and materials.

Provide the following information regarding the removed materials within the [Schedule of carpet reclamation activities](#):

- a. Time and Date of Removal.
- b. Type of Material.
- c. Weight and Quantity of Materials.
- d. Final Destination of Materials.

1.4.4.1 Carpet Reclamation Agency and Carpet Remover Certification

Certify in writing that used carpet was removed and recycled in accordance

with the most current EPA recognized Carpet Reclamation Program. Do not place removed carpet and associated materials in a landfill.

1.5 PROJECT CONDITIONS

1.5.1 Environmental Requirements

Obtain approval of Owner before performing operations which generate contaminants.

PART 2 PRODUCTS

2.1 CARPET RECLAMATION AGENCY

The current approved reclamation agency is Carpet America Recovery Effort (CARE).

2.2 CARPET REMOVERS

Submit documentation of being a CARE approved carpet removal contractor.

2.3 MATERIALS

2.3.1 Adhesive Removal Solvents

Comply with Carpet and Rug Institute Publication 104.

2.3.2 Used Carpet

Maintain possession of removed used carpet. Immediately remove from site and place in container or trailer.

Carefully remove, store, and protect designated materials and equipment for re-installation under other Sections or for retention by Owner.

2.3.3 Carpet Pad

Provide recycling of carpet padding where locally available or as designated by Carpet Reclamation Agency.

PART 3 EXECUTION

3.1 EXAMINATION

3.1.1 Verification of Conditions

Examine areas and conditions under which work is to be performed; identify conditions detrimental to proper or timely completion. Do not proceed until unsatisfactory conditions have been corrected.

3.2 PREPARATION

Provide, erect, and maintain barricades, lighting, and guardrails as required to protect general public, workers, and adjoining property.

Vacuum used carpet before removal.

3.3 CARPET REMOVAL

Remove used carpets in large pieces, roll tightly, and pack neatly in container. Include carpet scrap and waste from new installation.

Deposit only clean, dry carpet in containers. "Clean" is defined as free from demolition debris, asbestos contamination, garbage, and tack strips.

Remove adhesive according to recommendations of the Carpet and Rug Institute (CRI).

3.4 CONTAINER DISPOSAL

Place used carpet in fully-enclosed, front loading 40-yard container supplied by Carpet Reclamation Agency. Place only used commercial carpeting in collection container. Keep container locked or supervised.

Use effective packing techniques to maximize the amount of material in the container. On average, a container holds 2,000-3,000 square yards. Neatly stack carpet tiles or repack in cardboard boxes before placing in container.

When container is full, contact Carpet Reclamation Agency to coordinate pickup and drop-off of replacement container. If container is locked for security purposes, remove lock before pickup.

3.5 TRUCK TRAILER DISPOSAL

Place used carpet in a 53-foot trailer supplied by Carpet Reclamation Agency. Place only used commercial carpeting in trailer. Keep trailer locked or supervised.

Use effective packing techniques to maximize the amount of material in the trailer. Comply with Department of Transportation regulations for weight limits. Typical maximum weight of used carpet on trailers is 45,000 pounds.

Neatly stack carpet tiles or repack in cardboard boxes before placing in trailer. Do not stack higher than 6 feet. When trailer is full, contact Carpet Reclamation Agency to coordinate pickup and drop-off of replacement trailer. If trailer is locked for security purposes, remove lock before pickup.

3.6 INTERIOR OPERATIONS

Seal doors and other openings with duct tape at heads, jambs, and sills to contain contaminants from work which occurs within a single room.

Use window exhaust systems to establish negative pressure in contaminant-producing work areas, ensuring continuous flow of air into work area.

Do not open windows in work area except when an exhaust fan is used. Close windows at end of each work shift. Seal exhaust system ductwork which might leak into building or mechanical systems.

Damp mop hard surface floors in work area daily to minimize tracking of

contaminants from work area. In carpeted areas, protect carpet with plastic and plywood. Provide hard-surfaced area at entrances for daily damp mopping.

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