

SECTION 07070

PREPARATION FOR REROOFING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This section includes the following material reuse and/or recycling:
 - 1. Salvaging of existing concrete pavers.
 - 2. Salvaging of existing gravel ballast.
 - 3. Recycling of the [EPDM, PVC, TPO] and [polyisocyanurate, EPS, Polystyrene] insulation.
 - 4. Recycling of sheet metal.

- B. This Section includes removal of the following on roof areas indicated on the drawings in preparation for the installation of a new roof system:
 - 1. Gravel ballast surfacing.
 - 2. Aggregate surfacing.
 - 3. Roofing membrane, insulation and vapor retarder (if any).
 - 4. Tapered lightweight concrete insulating fill.
 - 5. Tapered bituminous insulating fill.
 - 6. Pitch pans.
 - 7. Vent stack flashing.
 - 8. Metal parapet wall coping fascia [roof edge gravel stops, fascias, gutters and downspouts] indicated for removal.
 - 9. Through wall scupper, conductor box and downspout.
 - 10. Metal counterflashing indicated for removal.
 - 11. Wood blocking.
 - 12. Roof drains and piping as indicated.
 - 13. Abandoned equipment as indicated on the drawings, to include all mechanical equipment, pipes and pipe supports, and curbs.
 - 14. Debris on roof.
 - 15. Installation of temporary conductor box, downspouts, and rainwater management system.

- C. This Section includes removal of all materials from the roof to expose the roof deck.

- D. This Section includes removal and reinstallation of:
 - 1. Existing mechanical equipment indicated for removal and reinstallation.
 - 2. Parapet wall copings indicated for removal and reinstallation.
 - 3. Skylights indicated for removal and reinstallation.
 - 4. Roof drain assemblies.
 - 5. Roof drain assemblies indicated for removal and replacement.

1. Remove down to existing concrete roof deck.

3.4 ROOF SYSTEM MATERIALS REMOVAL AND RECYCLING [Specify according to roof system to be removed]

A. Preparation:

1. Contractor should contact the following recycling company to arrange for pick up of [EPDM, PVC, TPO], sheet metal and [polyisocyanurate] insulation and/or whole-pieces insulation intended for disposal by Contractor.
 - a. Nationwide Foam, Inc. to arrange for trucking drop off and removal.
 - b. Contact: Nationwide Foam at (888)820-2760 or e-mail at ken@nationwidefoam.com.

B. Gravel Ballast:

1. Salvage onsite for reuse on roof.

C. Concrete Pavers:

1. Check for integrity.
2. Salvage concrete pavers free from cracks, spalling, chipping and deterioration for reuse on roof.
3. Remove deteriorated, spalled, cracked, chipped, and otherwise unsound pavers from roof.
 - a. Send concrete to [concrete] recycling plant.

D. Remove any protection fabric below pavers.

E. Roof Membrane:

1. Remove debris.
2. Cut [EPDM, PVC, TPO] into linear lengths, manageable pieces.
3. Roll or fold.
4. Do not allow ballast, wood blocking or non-[EPDM, PVC, TPO] materials to contaminate rolled / folded [EPDM, PVC, TPO] material.
5. Place on wood pallets.

OR

6. Place into Gallord or dumpster (needs to be coordinated with grinder before bidding). Stack material on pallet to a height not exceeding 4'-0" and band.
7. Store pallets on site until all material has been removed and stored.
8. Contractor to load material on truck provided by others.

9. The cost of the cartage is not the responsibility of the contractor.
- F. Insulation:
1. Remove the [polyisocyanurate] insulation; place on trailers provided by recycler.
- G. Certification:
1. Contractor to submit a final summary of the progress reports, including the percentage of recycled waste (weight) to the quantity of waste that was recycled.

3.5 UTILITY SERVICES

- A. Maintain existing utilities indicated to remain in service. Protect them against damage during selective roofing demolition operations.
1. Do not interrupt existing utilities except when authorized in writing by the Owner and those authorities having jurisdiction. Provide temporary services during any interruptions to existing utilities, as acceptable to the Owner and to governing authorities.
 2. Provide not less than 72 hours notice to Owner if shutdown of service is required during the changeover.
- B. Refer to Divisions 15 and 16 for shutting off, disconnecting, removing, sealing and/or capping utility services.

3.6 POLLUTION CONTROLS

- A. Limit spread of dust / dirt. Comply with governing environmental protection regulations.
- B. Do not use water when it may damage existing construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- C. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- D. Remove debris from building roof by chute, hoist, or other device that will convey debris to grade level.
- E. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before start of selective demolition.

3.7 SELECTIVE DEMOLITION

- A. Demolish and remove the existing construction only to the extent required by new construction and as indicated. Use methods required to complete the work within limitations of governing regulations as follows:
- B. Locate selective demolition equipment throughout structure and remove debris and materials so as not to impose excessive loads on supporting structure.
- C. Remove no more existing roofing than can be covered in one day by new roofing. See applicable Division 7 Sections for new roofing requirements.
- D. Remove air conditioning equipment without releasing refrigerants.