

1. The Building 9 drawing 2012-1.2, note #1 says to remove the existing EPDM roof system.

Question: Other than the EPDM membrane, what are the components of the existing roof system/assembly that is to be removed and how was it attached?

**Answer: Existing flat roof is black EPDM fully adhered to poured concrete deck.**

2. Specification section 07 53 23.2.2.1 specifies white EPDM and that it is to be .045" thickness.

Question: .045" white EPDM is not available. Will .060" white EPDM be acceptable to the government?

**Answer: .045 is minimum specified thickness for EPDM roofing. White is specified color.**

3. The building #9 drawing 2012-1.2, note #3 calls for a mill finish aluminum cap over stone caps. However, specification section 07 60 00 does not specify what gauge of aluminum to use for the cap.

Question: What gauge of mill finish aluminum is acceptable to the government? Also, the gravel stop for the EPDM roof at the shingle roofs below it is specified to be 16 oz. copper. Would the government like for the gravel stop to match the coping cap (mill finish aluminum)?

**Answer: Aluminum flashing to be 1.25 mm (0.050 inch).**

**Answer: No ballast, so gravel stop is not necessary. But, will need transition flashing at these locations, to be 16 oz copper.**

4. Building #31, drawing 2012-1.3 note #6 says to repair standing seam roof joints on equipment dormers.

Question: Can we get close-up photos of the existing standing seam roof panels so that we can see what is wrong?

**Answer: Existing roof is single crimp standing seam, with seams lifting up. Weather has not permitted access for photos, none will be available for these locations.**

5. The roof plan drawing indicates "new 6" roof drains" at the existing main entrance canopy roof which appears to be a membrane roof.

Question: Are we responsible for installing and flashing two new 6" roof drains in the canopy roof and piping them through the structure to downspouts?

**Answer: New roof drains where shown on plan.**

6. a. Building #35, drawing 2012-1.5, note #2 states that we are to install new ice & water shield underlayment copper valley metal, step flashings, etc. around all dormers.

b. There are specific details on drawing 2012-1.5 showing the built-in gutter.

c. There are also details showing built-in gutter work on the Cover Sheet/Detail Drawing 2012-1.1.

Question: Is there any gutter work required on building #35?

**Answer: As previously stated, 'Construction Notes' lists work involved at a particular building.**

7. Building #35, drawing 2012-1.5 note #3 calls for repairing the standing seam roof joints on equipment dormers.

Question: Can we get close-up photos of the existing standing seam roof panels so that we can see what is wrong?

**Answer: Existing roof is single crimp standing seam, with seams lifting up. Weather has not permitted access for photos, none will be available for these locations.**

8. Specification section 07 22 00 does not address the method of attachment of the insulation materials to a concrete roof deck. How does the government want the insulation attached (i.e.: mechanically fastened or adhered)?

**Answer: Adhered is recommended. But, attachment method for insulation to follow manufacturer's recommendations.**

9. Specification sections 07 22 00 and 0753 23 both mention vapor retarders. The vapor retarder specified (07 53 23.2.5.A) is polyethylene film. This type of vapor retarder was appropriate for a loosely ballasted system as originally specified. However, it is not appropriate for a fully adhered system unless the insulation is mechanically attached. Even then, the polyethylene will be punched full of holes by the fasteners. The question is, what, if any, type of vapor barrier is required by the government?

**Answer: Vapor barrier is not necessary with fully adhered EPDM roof system.**

10. 07 53 23 Protection Mat... this was appropriate for a ballasted system but serves no purpose if the system is fully adhered. Can this be ignored?

**Answer: Protection mat is not necessary with fully adhered EPDM roof system.**