



ADDENDUM 1

PROJECT: 01-19-001 Von Ohlen Re-roof Bid - Addendum 1

BID / TIME DUE: January 17, 2019 @ 2:00 p.m.

Bidder must acknowledge receipt of this addendum on Bid Form.

QUESTIONS

1. The existing roof insulation is tapered isocyanurate - approximately $\frac{1}{4}$ inch per foot slope with a 1 inch minimum on a concrete deck. The existing roof membrane is ballasted EPDM.
2. Clarification for the abandoned curb to be removed: the opening in the concrete deck for the $\frac{1}{4}$ inch steel plate is 30 in. x 72 in.
3. Contractors are to:
 - a. Install tapered system at $\frac{1}{4}$ inch per foot with a 1.5 inch minimum per the attached drawing. (**See attached drawing**).
 - b. Delete 1.3B 1c from the specification, as no base layers of flat stock insulation required.
 - c. Delete 2.6B from the specification - $\frac{1}{4}$ inch per foot with a 1 inch minimum. Changing to 1.5 inch minimum thickness.
 - d. Delete section 3.3 –1 from the specification. No temporary roof is required.
 - e. Extend all soil stacks to a minimum of 8 inches above the roof membrane.
 - f. Provide a new roof hatch.
 - g. Provide new cast iron drain strainer baskets.
 - h. Provide new curb approximately 18 in. x 18 in. for one existing vent.
 - i. Install one base ply in lieu of two plies.
4. **Delete** 2.3A, 2.4A – **Replace** with modified sheet properties listed below.
5. **Delete** 2.4B – **Replace** with backer sheet properties listed below for flashing backer sheet and base ply under modified membrane.
6. **Delete** 2.5C – **Replace** with cold adhesive properties listed below.

ADD THE FOLLOWING

2.3 A – 2.4 A SBS-MODIFIED ASPHALT-SHEET MATERIALS/FLASHING SHEET

- A. Modified Bituminous Membrane Cap Sheet: Granule surfaced, fire rated modified bitumen membrane with SBS/SEBS elastomers and combination polyester and fiberglass mat and scrim reinforcement exceeding the requirements of ASTM D 6163, Type III, Grade G, with the following ASTM D 5147 characteristics:
- B.
 1. Thickness: 3.4 mm (138 mils).
 2. Tensile Strength: 220 lbf/in. at 0 deg F in MD.
 3. Tensile Strength: 220 lbf/in at 0 deg F in XMD.

4. Elongation: 6.4 at 0 deg F in MD.
Elongation: 6.0% at 0 deg. F in XMD.
5. Tear Strength: 280 lbf at 77°F MD
6. Tear Strength: 300 lbf at 77°F XMD
7. Low-Temperature Flexibility: Pass at minus -25 deg F.
8. Granule Color: White.

2.4

- B. Backer Sheet and Base Ply under modified membrane: Smooth Surfaced, High Tensile Modified Bitumen Base Sheet: ASTM D 26163, Type III, Grade S, with the following ASTM D 5147 characteristics:

1. Thickness: 3.0 mm (120 mils).
2. Tensile Strength: 220 lbf/in. at 0 deg F in MD.
3. Tensile Strength: 190 lbf/in at 0 deg F in XMD.
4. Elongation: 3% at 0 deg F in MD.
5. Elongation: 3.5% at 0 deg F in XMD.
6. Low-Temperature Flexibility: Pass at minus -5 deg F.
7. Tear Strength: 220 lbf at 77°F MD
8. Tear Strength: 240 lbf at 77°F XMD

2.5 AUXILIARY ROOFING MEMBRANE MATERIALS

- C. Cold Applied Adhesive for modified membrane, base ply and flashing.
1. Density: 11.1 lbs. per gallon
 2. Indentation Hardness: 88 Shore A
 3. Volume Solids: 100%
 4. Weight Solids: 100%
 5. Volatile Organic Content: 1g/L
 6. Viscosity: 2,500 – 5,500 cp

This addendum does not change the bid due date or time.

END OF DOCUMENT