



PRODUCT SPECIFICATIONS

Section _____

THIN STONE VENEER

PART 1 – GENERAL

1.01 Quality Assurance

A. Materials, anchors and installation standards

1. Installer, Company specializing in installing cut stone approved by the manufacturer.
2. Design of anchors and supports shall be provided under the direct supervision of a Professional Engineer registered in the State of _____
3. Show by engineering calculation that proposed anchors and connection hardware can safely support the anticipated loads. When approved by Architect, load tests may be substituted for calculations.
4. Design anchors and connection hardware for dead load, wind load and seismic load in accordance with applicable building codes.

1.02 Submittals

A. Per Specification Section _____

B. Shop drawings:

1. Setting drawing
2. Indicate on shop drawings layout, pertinent dimensions, anchorages, and jointing methods
3. Engineering design calculations and test results

C. Samples:

1. Two sets of samples of minimum 24” square of each type of material proposed for use.
 - a. Submit samples in sufficient quantity to show extreme variation which may reasonably occur in each kind of stone, regarding color, texture and quality.
 - b. Architect reserves right to approve more limited range of variation
 - (1) Job mockup: Construct mockup per _____
 - (2) Accepted mockup will not be part of building

1.03 Product delivery, storage and handling

- A. During transport and storage, do not stack pallets on top of each other.**
- B. Do not allow stone to rest on earth.**
- C. Store so that markings corresponding to setting drawings are easily discernible.**
- D. Cover stone with waterproof covering and protect from weather and dirt.**
- E. Handle thin units carefully.**
- F. Store safe area, not prone to damage**



PART 2 – PRODUCTS

2.01 MATERIALS

A. Acceptable manufacturers:

Oasis Stone Company
PO Box 586, 10540 Old Redwood Highway
Windsor, California 95492
(888) 785-1222

B. Stone Type: _____

1. Name: _____
2. Color: _____
3. Sound and free from defects which would materially impair strength, durability or appearance.
4. Split Face or Weathered Face Stone.
5. Thickness: 1” to 2”.
6. Length: _____
7. Matching 90 degree outside corners.

C. Mortars and grout:

1. Type S mortar with acrylic additive.

D. Board Backing

1. _____

E. Moisture Barrier _____

1. Secure to cement board backing overlapping joints a minimum of 4”.

F. Expanded Metal Lath

1. Secure metal lath to board backing with # 8 screws at 6” o.c.
Additionally install another row of # 8 screws full height equal distant between studs.

G. 90 degree corner shapes

1. Provide at all outside corners.

H. Sealer

1. Use sealer designed for natural stone.

I. Caulking: Section _____



2.02 FABRICATION

- A. Weathered and/or Split stone face and then cut stone to remove thin face veneer.**
- B. Perform fitting and other preparations of stone.**
 - 1. Include work as required to accommodate or fit work of other trades, such as cutting and fitting for pipes, conduits, structural work, etc.
- C. Completely cut and finish before delivery to site except as necessary for fitting.**
- D. Cut accurately to shape and dimensions as indicated.**
 - 1. Joints: _____
 - 2. Pattern: _____
 - 3. Blend stones from different pallets for random coloring and sizing.
- E. Saw or dress backs parallel to wall face.**
 - 1. Where bonding occurs, arrange backs to lay flat to backing.
- F. Cut stone to set on its natural bed.**

PART 3 – EXECUTION

3.01 INSPECTION

- A. Verify suitability of substrates to accept installation of stone work.**
- B. Start of installation constitutes acceptance of substrate conditions and responsibility for performance.**

3.02 PREPARATION

- A. When ready for setting, clean stones, removing dirt or foreign matter from edges and surfaces.**

3.03 INSTALLATION

- A. Erect stone in accordance with stone supplier's instructions and erection drawings.**
- B. Arrange stone pattern to provide _____ look throughout.**
- C. Once the installation of stone has begun, do not allow any construction to occur on the opposite side of the wall for a period of 72 hours after completion of the installation process.**
- D. Avoid having "running joints", that is, vertical joints running in a straight line for more than 2 or 3 stones.**
- E. Apply a 1/2 – 3/4 inch thick scratch coat of mortar over the wall over an area of 2 to 10 square feet at a time.**
- F. Rough up the surface of the mortar using a trowel, rake or other tool while still wet.**



- G. Spread a layer of mortar to the entire back of the stone, pressing the mortar on firmly with the trowel. This layer should be $\frac{1}{2}$ inch thick at the edges over and $\frac{3}{4}$ inch thick at the center, with a pyramid type appearance. The entire back of the stone must be covered.
- H. Press the stone firmly in place moving it slightly back and forth expelling the air and causing a vacuum-like adhesion.
- I. Ensure that you push hard enough to cause the mortar to ooze out around the stone. To obtain a dry-pack look, keep the joints as tight as possible. The stone can be cut or split to fit using common stone working tools. After cutting the stone, place the cut side facing up above eye level and facing down below eye level. Trowel the joints if visible or use a grout bag. Take care to avoid spilling mortar onto finished stonework. Remove any mortar off of the stone by using a soft to medium dry brush, as a wet brush will just spread the mortar out more thinly and may cause staining.
- J. Install flashing of longest practical length and seal watertight to back-up. Lap end joint minimum 6" and seal watertight.

3.04 PROTECTION AND CLEANING

- A. Just before project is completed, clean with fiber brushes, mild detergent and water.
- B. Remove and replace units having stains which cannot be removed by cleaning.
- C. Remove and replace units requiring patching or repairing.