

**SECTION 04470  
SANDSTONE**

**PART 1 - GENERAL**

**1.1 SUMMARY:**

**A. Section Includes:**

1. Lyons sandstone.

**B. Related Sections:**

1. Section 04100 - Mortar and Grout.
2. Section 04200 - Unit Masonry: Brick and block masonry.
3. Section 04400 - Stone: Basic requirements for stone construction.
4. Section 04460 - Limestone.

**1.1 SYSTEM DESCRIPTION:**

- A. Refer to Section 04400.

**1.2 QUALITY ASSURANCE:**

- A. Refer to Section 04400.

**PART 2 - PRODUCTS**

**2.1 SANDSTONE (NATIVE STONE):**

- A. Lyons sandstone conforming to ASTM C616, Class II, quartzitic sandstone:

1. Cut stone 5" wide (tolerance of +2" to -3/4") to allow for 1" to 1-1/2" average face projection.
1. Height: 1-1/2" minimum, 14" maximum for Red; 1-1/2" minimum, 5" maximum for Pink and Buff. Provide a minimum of 20% by area of smallest specified size and a maximum of 20% by area of largest specified size.

PROVIDE PLANNING SCHEDULE FOR PURCHASE, STORAGE AND DELIVERY. OBTAIN CURRENT SAMPLES OF COLOR RANGE FROM QUARRY. PLAN IN ADVANCE TO SECURE AND STORE APPROPRIATE QUANTITIES OF MATERIALS. MAY NEED TO PURCHASE A SEASON AHEAD OF WORK BEING PLANNED.

COORDINATE SANDSTONE DIMENSIONS AND DESCRIPTIONS WITH THE DRAWINGS. DRAWINGS MUST INCLUDE A SET OF STANDARD DETAILS. AN EXAMPLE OF THE STANDARD DETAILS FOLLOWS THIS SECTION. NOTE: NEWER BUILDINGS ALLOW GREATER THAN 2" PROJECTIONS.

NOTE JUMPERS IN EXCESS OF 7" TO 9" SHOULD BE AVOIDED. LONGER PATTERNS KEEP HEIGHT SHORTER.

2. Length: Minimum of three times the height, maximum of 7'-0".

1. Color:

a. Example 1 (MCDB Addition to Porter Biosciences): 70% Lyons Red, 15% Berthoud Pink, 15% Loveland Buff.

COLOR EXAMPLES ARE LISTED TO AID DESIGNER IN VARIATIONS THAT OCCUR ON CAMPUS. VERIFY WITH UCB STAFF COLOR SELECTION FOR SPECIFIC PROJECT.

b. Example 2 (Biochemistry Addition): 50% Lyons Red, 25% Berthoud Pink, 25% Masonville Buff.

c. Example 3 (Parking Garages): 70% Lyons Red, 30% Masonville Buff.

2. Staining:

a. Black staining is not acceptable.

b. Lyons Red: Not more than 20% of faces stained.

c. Masonville or Loveland Buff: Up to 100% of faces stained.

d. Berthoud Pink: 100% of faces stained.

3. Match existing, adjacent stonework where applicable.

B. Shiners: Sandstone conforming to ASTM C616, Class II, quartzitic, Lyons red quartzitic sandstone:

1. Color range as selected by Architect and approved by the Owner.

2. Honed or split face finish as approved by the Owner.

3. Minimum thickness: 2.75" ± 0.25". Thickness shall be appropriate to size.

## PART 3 - EXECUTION

### 3.1 INSTALLATION:

A. As specified in Section 04400.

**END OF SECTION 04470**