Ventura Cast Stone, Inc

Primary Moldings 2008

www.venturacaststone.com

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THIS NUMBER = HEIGHT

FORINO 8-13 LARGE
RAVENNA 9
ALBA 10
GIOVANNI 10
ASTI 10
FLORENTINA 10
ALTAMURA 10
MORENO 10
PALERMO 10.5
CHINZANO 11
PORTONovo 11
TOSCANO 12
STRADELLA 12
ASTI 12
SUZA 12
ELBA 12
RNOLI 12.75

SCALE: 1\(\frac{1}{2}\)" = 1'-0"

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Drawn by: GG
02-21-06
BRONTE BASE 30" LONG
DOUBLE STOP 33-1/2' ATTACHMENT
DOUBLE STOP 36-3/4" OUTSIDE

LIVO BASE
KENTER BASE
CARMELINA BASE (THIN)

CARMELINA BASE

PIETRO 6 BASE
BELLAGIO 3 BASE

ADJUSTABLE TO 36"
NOT TO SCALE

BASES AND CAPITALS ARE SQUARE

ALL COLUMN ARE HEIGHT ADJUSTABLE AND CAN ALSO BE SEGMENTED.

NOTE: DEDUCT 2-1/2" FROM O.D. FOR 1"D

TUSCAN COLUMNS 1

TUSCAN STRAIGHT SHAFT

TUSCAN ENTRASIS 11/2" TUSCAN ENTRASIS

1/2 TUSCAN STRAIGHT SHAFT
SCAMOZZI COLUMNS

Note! You may use the attached drawings if you add the line: Courtesy of Ventura Cast Stone (800) 898-2332

NOTE! DEDUCT 2-1/2" FROM O.D. FOR I.D.

12" STRAIGHT SHAFT SCAMOZZI
24-1/2" DIAGONAL
1'-6"
1'-0"
6" 1'-3"

10" STRAIGHT SHAFT SCAMOZZI
21" DIAGONAL
1'-4"

8" STRAIGHT SHAFT SCAMOZZI
16-3/4" DIAGONAL
1'-1"

152" Max ht
134-1/2" Max ht
106" Max ht

NOT TO SCALE

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Drawn by: NG
09-30-05
Columns

NOT TO SCALE

14" Corinthian

All columns are height adjustable and can also be segmented.

Note: You may use the attached drawings if you add the line contour of Venice Cast Stone (600) 894-2332

Corinthian Columns

Go back to index
TUSCAN STRAIGHT SHAFT COLUMN

NOTE! DEDUCT 2-1/2" FROM O.D. FOR I.D

ALL COLUMNS ARE HEIGHT ADJUSTABLE, AND ARE SEGMENTED, BASES AND CAPITALS ARE SQUARE

Go back to index

20" TUSCAN STRAIGHT SHAFT

2'-6"
1'-0-1/8"

16" TUSCAN STRAIGHT SHAFT

1'-10-1/2"

UNLIMITED HEIGHT

2'-3-1/8"
1'-8"

1'-9-1/2"

2'-8-1/16"
1'-3-1/8"

2'-4-5/8"
1'-8"

5'-0-1/8"

5'-0-1/8"

5'-0-1/8"

1'-4"

5'-0-1/8"

5'-0-1/8"

5'-0-1/8"

NOT TO SCALE
SALERNO CAPS

SALERNO 25.5-30.25 PILASTER CAP

SALERNO 37-44 PILASTER CAP

SALERNO PILASTER CAP
SOME FLAT TOP

SALERNO WALL CAP 48" LONG

SALERNO STAIR TREAD
MAX WIDTH OF TREAD

3" 
2'-4"

STRETCHER - 52" LONG
STOP - 48" LONG AT BOTTOM (ONE SIDE)

NOT TO SCALE

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WALL-PILASTER CAPS

VERONA WALLCAP
23½"x48"
11"x28½"

VERONA PILASTER CAP 31-29
SAME DETAIL AS WALLCAP
2'-5"

BELLAGIO HEARTH 30" DEEP
2'-7½"

GENOVA WALLCAP
10½"x48"
14½"x48"

BELLAGIO 8.25-12 WALLCAP
6½"

ROMA WALLCAP
9½"x48"
14"x48"

PESARO 12-14.5 PILASTER CAP
1'-0½"

BELLAPASO WALLCAP
12½"x36"
15"x36"

PESARO 17-19.5 PILASTER CAP
1'-5½"

BELLAPASO TREAD
MAX 21"
MAX 16"x48"

MESA TREAD
2"x11½"

BELLAPASO TREAD 48" LONG
BELLAPASO TREAD NT CORNER 20¾"x20¾" OUTSIDE

BELLAPASO TREAD EXT CORNER 20¾"x20¾" OUTSIDE

BELLAPASO 27-29.5 PILASTER CAP
2'-3"

SONOMA 1.25" B/NOSE TREAD
1'-0½"x1½"

SIENA 16.6-21.5 PILASTER CAP
4½"
1'-4½"

SONOMA 2" B/NOSE TREAD 48" LONG
1'-8"
SONOMA 2 POOL COPING-STAIR TREAD

SONOMA 2 STRETCHER

WIDTH ADJUSTABLE 1'-8"
4'-0"

6" STAIR RISER

HEIGHT ADJUSTABLE 6"
4'-0"

INSIDE/OUTSIDE CORNER

2'-0"
1'-7\frac{1}{8}"
1'-8\frac{1}{8}"

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NOT TO SCALE
QUATREFOIL WINDOW SURROUNDS

Q50
QUATREFOIL WINDOW

Q50A
QUATREFOIL WINDOW

Q35
QUATREFOIL WINDOW

NOT TO SCALE
Ventura Cast Stone Specifications

MANUFACTURER
Ventura Cast Stone Inc.

SHOP DRAWINGS
Shop drawings are submitted for verification of profiles, dimensions and surrounding construction of cast stone units. Recommended attachment details are indicated on the shop drawings. Attachment methods shown on shop drawings are suggestions only. It is the responsibility of the installer to meet all local, State and Federal building codes.

CASTING METHOD
Vibrant dry tamped method – vibratory compacting, using “earth dry or zero slump mixture. Note! Wet pour is not allowed.

INGREDIENTS
- ASTM Type I or II white Portland cement (low alkali)
- Course and fine aggregates – natural sand aggregate carefully graded and washed, silica sand
- Color – natural inorganic or synthetic iron oxide pigments
- Admixtures – ASTM C 494
- Potable water

FINISH
All exposed areas are to exhibit fine grain detail not containing any “bugholes” or “potholes”.

REQUIREMENTS
- Architectural Cast Stone: High density concrete; designed by manufacturer to achieve specified strength, color, and texture, desired handling characteristics, and to resist effects of temperature changes.
- Thickness: 1-1/4 inches minimum.
- Compressive Strength: 5000 psi (34 MPa), minimum, at 28 days, when tested in accordance with ASTM C 39/C 39M using specimens made in accordance with ASTM C 31/C 31M, determined by average of 3 specimens.
- Products must conform to ASTM C 31, ASTM C 39, ASTM 642.
- Water absorption = 6% - minimum of 4% and maximum 8% when tested in accordance with ASTM C 642.
- Modules of rupture/flexural strength = 900 PSI.
- Abrasive wear index of 104 or greater, SS-T-308B.
- Bond strength SS-T-90B to 285 PSI.
- Freeze thaw of less than 1% maximum of 3%.

TOLERANCE
Dimensional – all direction ± 1/32".
LIVORNO WINDOW/DOOR TRIM

SEE PAGES 17-18 FOR PROFILES

MILANO 6 HEAD

LIVORNO TRIM

ZIANO 6 SILL

NOT TO SCALE
MILANO 30X6 STRETCHER

MILANO 6 LEFT DROPSTOP

MILANO 6 RIGHT DROPSTOP

MILANO 6 DOUBLE STOP

CUT FOR TRANSITIONS AT RAD WINDOWS

NOT TO SCALE
CARARRA 6 MULLION WINDOW

VALENZA 4

CARARRA 8

PORTONONO 11
INSTALLATION

NOT TO SCALE

Typical Window Surround Treatment

Window Section After Stone

Window Frame Flush With Wall Line

Window Frame Set Back From Wall Line

Go back to index
SS SCREW

1/8" SS STRAP

DRILL HOLES IN CAST STONE

WOOD FRAMING

SS SCREW

STUCCO

3/16" SS DOWEL WELDED

1/8" X 3/4" SS STRAP

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CAST STONE SILL

GALV LAG BOLT 2 PER SILL PIECE

DRILL HOLE AND FILL WITH EPOXY WHEN INSTALLING SILL

THINSET/ACRYLIC SETTING BED
INSTALLATION DETAIL
STRAP AND PIN AT EACH JOINT

CAST STONE

STUCCO

THINSET/ACRYLIC SETTING BED

GROUT JOINT

DRILL HOLES AND FILL WITH EPOXY WHEN INSTALLING CAST STONE

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6-21-02

Drawn by: NG
CAST STONE TO BE ATTACHED TO BROWNCOAT

VERTICAL ATTACHMENT

BROWN COAT

COLOR COAT TO STONE

3/8" GALV LAG OR GALV METAL BRICK TIE EPOXIED INTO CUT IN BACK OF STONE

COLOR COAT TO STONE GROUT

ACRYLIC MODIFIED THINSET/ FULL BED

GROUT

HORIZONTAL ATTACHMENT

GALV METAL TIES EPOXIED INTO CUT AT REAR OF STONE
LARGE MOLDING ATTACHMENT

3/8" x 5" GALV LAG SET INTO BACK OF STONE W/EPoxy

GAV ANGLE IRON SET INTO CUT IN BACK OF STONE W/EPoxy

ACRYLIC MODIFIED THINSET

FRAMING

BROWCOAT

GROUT

COLOR COAT TO GROUT

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Drawn by: NG
07-10-03
Make sure wood post is bituthaned.
Measure overall height needed.
Lay base, shaft and capital on flat concrete area as if the column would be standing up, and cut bottom of shaft to adjust height.
Never cut top of shaft for height adjustment.
Attach galv metal lath to bituthaned post with wire (no nails). Drill holes in top of columns to accept the galv wire "U" clip. Mask tape at outside of joints of base, shaft and cap.
Set bases with thinset plugs inside and PL400 adhesive (Home Depot) where parts meet (do not try to remove adhesive for 24 hrs, masking tape will protect column shaft) and if needed, leave to set overnight. Lay column shafts down in place to install, trowel 2 thinset plugs inside shaft of first half shaft at same height as galv metal lath. Trowel thinset onto galv metal lath on post. Raise shaft and push until thinset meets thinset, secure shaft temporarily with rope. Wrap the galvanized wires around the post. Do the same with other half shaft but before halves meet, caulk both half shafts with PL2000 subfloor adhesive.
Push second shaft against first until adhesive squeezes out. Do not try to remove excess adhesive until next day. Drill holes for "U" wire clip and push wire down to secure halves. Use above process to install capital halves. Leave set for 24 Hrs. If open above (no ceiling as a trellis would be) fill top solid with spec-mix sloping top for water to run off. Remove adhesive from joints, leaving 1/4" deep for grout.
Grout all joints and remove masking tape.
Plug top of column with grout material if open to sky (i.e. trellis) leaving slope for water runoff.
PESARO 12 PEDESTAL INSTALLATION #2

CONCRETE FILL TO TOP IF RAILING ATTACHED
CONCRETE FILL TO THIS HEIGHT IF NO RAILING ATTACHED

1/4" STEEL TUBE PAINTED WELDED TO PLATE

6"X6"X1/4" PLATE

THINSET

6"

6"

3"X8" BLOCKING BETWEEN JOISTS

3/8" LAG BOLTS

WELD STRIP OF RAILING

BASE HEIGHT ADJUSTABLE

NOT TO SCALE

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McDADE
04-27-05
Drawn by: JG
CONCRETE FILL TO TOP IF RAILING ATTACHED

1/2" ALLTHREAD

LAG & COUPLING

3"x8" BLOCKING BETWEEN JOISTS

LAG BOLT

BASE HEIGHT ADJUST IN FIELD

THINSET

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NOT TO SCALE
3/8" REBAR
ALL ALONG PINS AND INTO FRAMING

SOLID THINSET

3/8" REBAR 1" OFF CENTER
ALL ALONG BOLTS AND
INTO PEDESTAL OR FRAMING

SOLID MORTAR
THINSET

PASTE WITH THINSET
THINSET

3/8" PLYWOOD DECK AND
WATERPROOFING

TILE

2"X8" BLOCKING
FLOOR JOISTS

½"X6" LAGBOLTS @ 18" O.C.

OFF CENTER OF BALUSTER BASE RAIL 1"

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NOT TO SCALE

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04-27-05
Drawn by: JG
3/8" ZINC PLATED ALLTHREADED ROD ALL ALONG TOPS BALUSTERS AND 1/2" ABOVE BOTTOM OF TOP RAIL

3/8" PIPE INSIDE EVERY 3RD BALUSTER PIN

3/8" ZINC PLATED ALLTHREADED ROD SCREWED INTO FRAMING EVERY THIRD BALUSTER PIN

3/8" REBAR ALL ALONG BOLTS AND INTO PEDESTAL OR FRAMING

3/8" COUPLER

3/8" PLYWOOD DECK AND WATERPROOFING

TILE

FLOOR JOISTS

2"X8" BLOCKING

STUCCO

3/8" THREADED PLATED LAGBOLT

OFF CENTER OF BALUSTER BASE RAIL 1"

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NOT TO SCALE
3/8" REBAR
ALL ALONG PINS AND INTO PEDESTAL

PESARRO 12 PEDESTAL BEHIND

3/8" REBAR OFF CENTER 1"
ALL ALONG BOLTS AND
INTO PEDESTAL OR FRAMING

SOLID MORTAR

THINSET

3/4" PLYWOOD DECK AND
WATERPROOFING

TILE

2"X8" BLOCKING
AT BOLTS

FLOOR JOISTS

½"X6" LAGBOLTS @ 18" O.C.

OFF CENTER OF BALUSTER BASE RAIL 1"

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NOT TO SCALE

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Drawn by: JG
BALUSTER INSTALLATION DETAIL FOR WOOD DECK
25% OF PINS TO HAVE THIS DETAIL

WHITE THINSET

ALLTHREADED ROD

1" HOLES DRILLED AFTER PLACEMENT

8" REBAR EMBEDDED IN BALUSTER

WHITE THINSET AND SPECMIX FILL

WATERPROOFING

SHEET METAL

2"X8" BLOCKS BETWEEN JOISTS

STUCCO

PLYWOOD

NOT TO SCALE

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Drawn by: NG
12-09-04
Corbel

TOP 1' - 0 1/8"

RIGHT SIDE 5"

FRONT 5"

1' - 1"

NOT TO SCALE

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Drawn by: JG
03-18-08
Go back to miscellaneous molding page