

ESTATE AND MULTI-NICHE COLUMBARIA DESIGN SPECIFICATION

CONSTRUCTION DESIGN AND EXTERIOR FINISHES

A) GENERAL

- 1) All external columbaria finishes shall be granite material, to be solid (lamination not permitted), architectural quality, free of cracks, chips and uniform in color. Quality of granite shall be suitable for outdoor use (interior granite is not permitted) able to withstand freeze thaw cycles of -40 - +40 degrees centigrade, new and first class in every respect to quality of work and per accepted trade practices.
- 2) All granite work shall be fabricated by skilled trade personnel, in accordance with the specification to ensure top quality finished product.
- 3) All columbaria exterior surfaces shall be polished unless specified otherwise, (i.e. see facing edges rock finish requirements) and shall include colour choices per unit.
- 4) All interior niche finishes to be smooth and flat no matter what the material from which they are manufactured.
- 5) The incorporation of Flutes and Pillars and other distinguishing features are preferred on all units.
- 6) The whole columbaria granite panel assembly to be secured together with stainless steel dowels and epoxy resin and with all joints sealed using a waterproofed architectural quality silicone. Epoxy and resin to be applied strictly in accordance with manufacturer's instructions.

B) MULTI NICHE COLUMBARIA

- 1) Columbaria base shall be a minimum 152mm/6inches thickness solid granite one piece base with minimum 102mm/4inches oversize all around and outside facing edge shall be rock face finished.
- 2) Columbaria roof shall NOT be flat design; material shall be a minimum thickness of 102mm/4inches at edges, made of solid granite with a gable overhang all around to match with base overhang.
- 3) Multi-unit cores shall be Aluminum or Stainless Steel (s/s) sheeting and appropriately extruded structural components.
- 4) Columbaria units shall have a minimum 72 niches per unit.

C) ESTATE COLUMBARIA

- 1) Each estate columbaria shall have two niches.
- 2) Estate unit cores shall be granite, Aluminum or Stainless Steel (s/s) sheeting and appropriately extruded structural components.
- 3) Estate unit bases shall be a minimum 100mm/4 inches thickness solid granite one piece base with minimum 60mm/2½ inches oversize all around.
- 4) Pedestal Estate units' roof shall NOT be flat. Pedestal Estate with Vase units' roof shall be flat design with rounded edges.
- 5) Estate unit roof front facing edge to be designed and polished so as to permit room for family name engraving using maximum 73mm/3inches height characters.
- 6) Estate units incorporating locations for vases are to be supplied with a vase attached.

NICHE COMPARTMENT DIMENSIONS

A) MULTI NICHE COLUMBARIA

- 1) Preferred minimum internal niche size twelve (12) inches X twelve (12) inches X sixteen (16) inches, though alternative dimensions will be considered.

2) ESTATE COLUMBARIA

- 1) Preferred niche Interior dimensions are minimally thirteen (13) inches cubed.

SECURITY MEASURES

- 1) Granite niche shutters must be secured in place using bronze, aluminum or stainless rosette systems, complete with security torque vandal proof screws. Stainless shall be the preferred material. Finish design patterns should not be roses.
- 2) Privacy niche sealers are to be manufactured of Stainless Steel or Aluminum plate and individual, covering one per niche opening and with all hinges hung on the same side so as all doors will open in the same direction.
- 3) All niche privacy sealers to be hinged and secured with keyed locking device. Screwed locking systems shall NOT be acceptable.
- 4) A Minimum three sets of keys to be provided for each columbarium.
- 5) Each multi-niche columbarium must be provided with a minimum of four (4) spare exterior granite shutters of matching granite as used for installed shutters.

WEATHER/ELEMENTS SEALING MEASURES

- 1) Niche compartments shall incorporate weather seals, to protect from water ingress. All seal components shall be easily replaceable.

GRANITE SHUTTERS

- 1) Granite shutters to be minimally 23mm/7/8inch thick, all granite edges to be eased; all exposed surfaces polished.
- 2) All granite shutters to be per individual niche compartment and fully cover the compartment; doubles or quad covers are not acceptable.
- 3) All shutters to finish flush from base to underside of roof and from side to side; not to be recessed so as to permit compartment divider showing and must be able to easily lift off without the need to slide or lever out of position.
- 4) All granite shutters to be black.
- 5) Each unit shall be supplied with a minimum of four (4) spare granite shutters.

MEMORIALISATION DESIGNS

- 1) The Round Multi-unit columbaria shall be supplied ready to accept engraving by others.

INSTALLATION

- 1) The contractor/supplier must provide full details of the vehicles and cranes to be used on site.
- 2) All columbaria to be installed and centralized on foundations.
- 3) Columbaria face directions to be agreed with Contract Administrator prior to placement.
- 4) The contractor shall be responsible for reinstating any damage occasioned to pathways, plant life, adjacent memorials, columbaria and grassed surfaces, within the work locale, all roadway surface damage occasioned through accessing the site and during the course of the work, where the damage is assessed by the Contract Administrator as requiring reinstatement by a specialist. The contractor is advised to photograph areas as a means of record prior to commencing work on site.