

**Part 1            General**

1.1            REFERENCES

- .1            Canadian Standards Association (CSA International).
  - .1            CSA-A165 Series-94(R2000), Standards on Concrete Masonry Units.
  - .2            CSA A179-94(R1999), Mortar and Grout for Unit Masonry.
  - .3            CSA-A371-94 (R1999), Masonry Construction for Buildings.

1.2            QUALIFICATION ASSURANCE

- .1            Applicator: Company specializing in commercial masonry Work with five years experience and approved by the Materials manufacturer.
- .2            Installation of Masonry Work: CAN3-A371M, except where specified otherwise.

1.3            REPOINTING/REPAIR SCOPE OF WORK

- .1            Refer to interior elevation and section/detail Drawings for the scope of Work required for repair and repointing of existing brick masonry where new openings are being provided through existing brick walls

**Part 2            Products**

2.1            SALVAGED BRICK UNITS

- .1            Salvage existing brick units during demolition of new openings for re-use as required to complete repairs and re-pointing around openings. Typical.

2.2            MORTAR MATERIALS

- .1            All mortar for masonry shall be Type "S" mortar having a minimum strength of 13mPa @ 28 days. Mortar to be in accordance with the latest edition of CSA A179.

**Part 3            Execution**

3.1            CONSTRUCTION

- .1            Cutting.
  - .1            Refer to Structural Drawings for sequence of masonry removals, steel installations, masonry reconstruction, and grout filling required for new opening between classrooms.
  - .2            Cut out for electrical device boxes, and other recessed or built-in objects.
  - .3            Make cuts straight, clean, and free from uneven edges.
  - .4            Ease exposed edges to match existing.
- .2            Building-In.
  - .1            Build in items required to be built into masonry.
  - .2            Prevent displacement of built-in items during construction.
  - .3            Fill spaces between door jambs and masonry with mortar.
- .3            Interface with other Work.

- .1 Cut openings in existing Work as indicated.
  - .2 Openings in walls for duct and piping penetrations:
    - .1 All piping penetrations through exposed masonry walls are to be cored to suit pipe diameter, and sealed all around.
    - .2 Re-use existing piping penetrations where possible – new penetrations are to be cored, and penetrations sealed all around.
  - .3 Make good existing Work. Use Materials to match existing.
- 3.2 REPOINTING/REPAIR
- .1 Cut out damaged brick units and replace with existing brick units salvaged during demolition of existing openings.
  - .2 Fill all voids between brick wythes with mortar and provide with smooth flush surface all around opening.
  - .3 Where existing brick is to remain exposed around openings, cut out loose or disintegrated mortar in joints to a 12mm depth
  - .4 Utilize power tools only after test cuts determine no damage to masonry units will result.
  - .5 Do not damage existing masonry units. Replace damaged units with undamaged salvaged brick.
  - .6 When cutting is complete, remove dust and loose Material with water jet.
  - .7 Pre-moisten joints and apply mortar specified in this Section. Pack tightly in maximum 6mm layers. Leave a smooth, compact joint to match existing.
  - .8 Moist cure for 72 hours.
- 3.3 SITE TOLERANCES
- .1 Tolerances in notes to Clause 5.3 of CSA-A371 apply.
- 3.4 CLEANING
- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
  - .2 Upon completion of installation, remove surplus Materials, rubbish, tools and equipment barriers.
- 3.5 PROTECTION
- .1 Protect masonry and other Work from marking and other damage. Protect completed Work from mortar droppings. Use non-staining coverings.

**END OF SECTION**