

Install key control
& access system
Springhill Institution
Springhill, NS
p.n. R.061860.001

SELECTIVE BLDG DEMOLITION,
CUTTING AND PATCHING

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PART 1 - GENERAL

1.1 SECTION INCLUDES

- .1 Selected demolition and removal of building material and equipment.
- .2 Relocation work.
- .3 Cutting and patching of existing building as required for work.
- .4 Restoration work.

1.2 RELATED WORK

- .1 Dust Control: Section 01 50 00
- .2 Cleaning: Section 01 74 11

1.3 WORK SCHEDULING

- .1 Work such as core drilling or jack hammering which creates excessive noise must be performed during off-hours.

1.4 EXAMINATION

- .1 Carefully examine the site and contract documents to determine the nature and extent of work.

1.5 PROTECTION

- .1 Erect and maintain dustproof partitions and drop sheets where indicated as well as for all situations where:
 - .1 Demolition work is carried out;
 - .2 Cutting and boring of existing construction is performed
 - .3 Work operations creating dust and dirt.
- .2 Provide fans or other ventilation devices when work generates fumes or strong odors.

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1.6 DISPOSAL

- .1 Material and equipment removed and not specifically designated to be reinstalled or turned over to Departmental Representative becomes the property of the Contractor for disposal off site.
- .2 Dispose of debris, waste, and equipment in accordance with section 01 74 21.
- .3 Do not encumber the site with stockpiled waste and debris. Keep work and occupied areas clean at all times.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Supply all materials necessary and required to carry out the work of this Section.

PART 3 - EXECUTION

3.1 DEMOLITION AND GENERAL REMOVALS

- .1 Remove all items indicated on drawings and as required to complete the work.
- .2 Perform work by selective and systematic demolition process, being careful not to cause excessive damage to adjacent surfaces and finishes.
- .3 Conduct demolition work in conformance with:
 - .1 National Building Code - Part 8;
 - .2 CSA S350-M1980, Code of Practice for Safety in Demolition of Structures and;
 - .3 Occupational Health and Safety requirements specified in section 01 35 28.
- .4 Prevent movement, settlement or other damage to adjacent structure, utilities and parts of building to remain in place. Provide temporary bracing when required.

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3.1 DEMOLITION AND
GENERAL REMOVALS contd

- .5 Protect adjacent finishes, building services and office furnishings during work.
- .6 Use work methods which minimizes the creation of dust.
- .7 Demolition work which require the cutting of metal by use of torch equipment or other form of hot work must be carried out to requirements of section 01 35 24.
- .8 Remove parts of existing building components as required to permit new work. Reinstate thereafter.
- .9 Where the work of this contract requires the removal or installation of equipment or service runs inside building walls or above ceilings, be responsible for cutting and removing the building fabric as necessary. Upon completion of new work and all connections made, restore disturbed surfaces to match their original condition.

3.2 REMOVAL OF
ITEMS FOR
REINSTALLATION

- .1 Carefully remove items designated to be turned over to Departmental Representative or to be reinstalled and store in locations as directed by the Departmental Representative.
- .2 Damage to these items, resulting from removal or reinstallation, shall be made good at the Contractor's expense. The decision as to whether damaged items may be repaired or must be replaced with new material shall be the Departmental Representative's decision.

3.3 CORE DRILLING
AND SAW CUTTING

- .1 Provide openings through existing walls, floors and ceilings as required for installation of services.
- .2 Holes in masonry or concrete to be cut with diamond core drills and blades. Jackhammering not allowed.

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- .3 Plan and lay out saw cutting and core drilling in advance so that openings are no larger than what is required.
- .4 Repair adjacent surfaces marred by work. Fill-in openings which are cut larger than required. Use fire stopping material in fire rated assembly as per clause 3.8 below

3.4 SERVICE LINES

- .1 Remove electrical or other services found abandoned and encountered in work.
 - .1 Removal of these services shall in no way interfere with Facility's existing operational services to remain.
- .2 Protect power, telephone, communication services and plumbing lines traversing premises of work area.
 - .1 Obtain Departmental Representative's approval before disconnecting and rerouting service lines which interfere with new work.

3.5 PROTECTION OF SURFACES TO REMAIN

- .1 Carefully protect all existing structures, finishes and materials that are to remain from damage during removal work and make good at own expense any damage thereto.

3.6 GENERAL PATCHING

- .1 Patch existing building construction and finishes where affected by:
 - .1 Demolition and removal work;
 - .2 Cutting and boring of openings to install mechanical, electrical or other services;
 - .3 Contractor's work operations and activities in the course of performing the Work.
- .2 Use same material and finish to match existing.
- .3 Patch all holes, cracks, spalls, dents and scratches in finish walls and ceilings.
- .4 Patchwork to be flush with existing surfaces, feathered out and be inconspicuous in final finish work.

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- .5 Repair and restore existing plaster and gypsum board walls and ceilings damaged by demolition and by installation of new work.
 - .1 Patch and infill all holes and openings.
 - .2 Use hard coat plaster complete with appropriate backup material for plaster repairs.
 - .3 Tape and finish gypsum board surfaces and joints.
 - .4 Install patchwork flush and blended with adjacent surfaces. Match texture and finish with existing finishes. Completed patchwork to be inconspicuous when painted.
- .6 See clause on cutting and patching specified Section 01 10 10 which also apply to the work of this Section.
- .7 Paint surfaces patched.

3.7 FLOOR PATCHING

- .1 Patch openings and holes in floor resulting from work and as encountered during removal of finish flooring.
- .2 Patch existing floor levelling material covering existing floor radiant system where damaged by the work.
- .3 Prepare and level subfloor surfaces to receive new floor finish.

3.8 FIRESTOPPING

- .1 Evaluate in conjunction with Departmental Representative each location where new service lines are being installed through existing walls and floors to determine whether such assemblies are fire rated and require fire stopping and smoke seals.
- .2 Supply and install fire stopping material around conduit, pipes, sleeves, etc. install in holes and openings cut through existing fire-rated walls, floors and ceiling construction.
- .3 Provide ULC labelled fire stopping material rated same as the building fire assembly being penetrated and filled. See Section 07 84 00.

- .1 Prior to reinstallation of existing materials or equipment, thoroughly clean those areas of items which may be inaccessible after installation.
- .2 After installation, give all reinstalled items a thorough cleaning.