

PART E
SPECIFICATIONS

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GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. SERVICES

E2.1 The Contractor shall provide Boarding Up and/or securing vacant buildings in accordance with the requirements attached.

E2.2 All labour and material, plant and equipment necessary to complete the work shall be provided by the Contractor including power source (generator).

E2.3 All buildings to be secured in accordance to Appendix "A", By-Law No. 4555/87.

E2.3.1 Doors, windows and other openings at the basement and first floor levels shall be covered with a solid piece of plywood, at least 11 mm thick. This plywood shall be secured with Ardox nails at least 50 mm long, spaced not more than 150 mm on centre, unless otherwise specified.

E2.3.2 Unless otherwise accepted by the Contract Administrator or their designate, all doors, windows, and other openings above the main floor shall be covered with a solid piece of plywood, at least 8 mm thick. This plywood shall be adequately nailed or otherwise secured.

E2.3.3 Plywood applied to openings shall be installed from the exterior, shall be fitted within the frames in a manner accepted as good workmanship, and shall be painted with two coats of white paint on the exterior side.

E2.3.4 Openings that are not covered with plywood shall be cleared of broken glass and any other loose material.

E2.3.5 Exterior access to floor areas above the first floor, such as fire escapes and ladders shall be:

- (a) removed up to the second floor level or to a height of 4 m above the ground whichever is lesser, or;
- (b) guarded to the satisfaction of the by the Contract Administrator or their designate.

E2.3.6 Openings to areaways shall be adequately secured and protected. Openings in a street or sidewalk to an areaway shall be covered with an appropriate metal plate, having a thickness not less than 8 mm and the plate shall be anchored or secured to prevent it from shifting. Alternatively, the areaway may be filled with concrete or unshrinkable fill to the satisfaction of the authority having jurisdiction.

E2.3.7 Facia signs, overhanging signs, roof signs and all other appurtenances, such as sun visors or awnings shall be removed if they are in a dangerous condition or could create such a condition.

E2.3.8 All loose or defective material on the exterior of the building shall be removed and any condition which may become a hazard or danger to the public shall be corrected.

E3. OTHER TRADES

- E3.1 The Contract shall be read by the Contractor to acquaint them with the nature of the Work required. Failure to do so will not relieve them of any responsibilities for co-operation in coordinating the Work and preventing delay and for the supply and installation of materials required for this Work.

E4. CO-OPERATION

- E4.1 Further to D2.3.2 the Contractor shall respond on request within 1 hour to Contract Administrator for complete instruction.
- E4.2 The Contractor shall co-operate with the owners and other trades and arrange procedures so that the work, storage of materials, use of accesses, etc. will permit the existing functions of the building and grounds to continue without interference.

E5. CODES AND STANDARDS

- E5.1 The Contractor agrees to comply with all applicable Federal and Provincial Laws and By-laws of the City of Winnipeg and all orders and regulations made pursuant thereto.
- E5.2 Conform to the latest issue of codes and standards as amended and published to date for receipt of quotations.

E6. PAYMENT

- E6.1 Payment will be made once Work has been completed to the satisfaction of the Contract Administrator. A mandatory holdback as stipulated by the Builders' Liens Act could be accounted for in the invoicing. In addition, the Contract Administrator reserves the right to maintain a performance holdback if deemed necessary in his/her opinion.
- E6.2 Payment to the Contractor shall be monthly, per calendar month, on submission of invoices for each site.

E7. DELAY IN COMPLETING WORK

- E7.1 Should the Contractor be delayed in completion of the Work by reasons of strikes, lock-outs (including lock-outs decreed by a recognized contractors association for its members of which the Contractor is a member), an act of God, or any other cause which the Contractor satisfies the Owner to be totally beyond his control, then the time of completion shall be extended for a period of time equal to the time lost due to such delays.
- E7.2 Further to E7.1, time shall be deemed to be of the essence of this contract and the Contractor agrees to pay the City the sum of Twenty-five Dollars, (\$25.00), per day as liquidated damages, (and not as a penalty), for each day after that fixed for the completion of the Works, during which they shall not have been fully completed to the satisfaction of the Owner. The Owner's certificate as to such number of days and the amount payable by the Contractor shall be final and binding as between the parties.
- E7.3 The Contractor shall not have any claim or demand against the City by reason of any delay on the part of the Architect or Engineer or on the part of the City or any of its officers.

E8. INSPECTING AND TESTING MATERIALS

- E8.1 The City reserves the right to inspect and test all materials at its own expense and to reject any materials which are not in accordance with the requirements of the specifications. The

Contractor shall furnish at his own expense such specimens and samples of materials as may be required for testing.

E8.2 The Contractor shall allow the Owners to test any equipment, and shall provide power, fuel or material required for these standard performance tests on the equipment.

E9. MATERIAL

E9.1 All material shall be new and both workmanship and material supplied shall be of the best and most suitable quality and to the satisfaction of the Contract Administrator.

E9.2 All materials, where applicable, shall be CSA approved.

E10. CLEAN-UP

E10.1 The Contractor shall maintain the areas of his operations clean and free from all debris, surplus materials, etc. All installed items and areas shall be left in a clean acceptable condition.

E11. GENERAL INFORMATION/HISTORY ON BUILDINGS SECURED

YEAR	APPROXIMATE NUMBER OF HOUSES/ YEAR	APPROXIMATE NUMBER OF APARTMENTS/ YEAR
1992	71	1
1993	81	1
1994	74	1
1995	67	2
1996	92	2
1997	73	2
1998	75	2
1999	67	2
2000	74	2
2001	51	1
2002	62	1
AVERAGE	72	1.5