

DOOR SCHEDULE											
DOOR NUMBER	LOCATION		DOOR DATA				FRAME DATA		MISC.		REMARKS
	FROM	TO	TYPE	SIZE		MATERIAL	FINISH	MATERIAL	FINISH	GLAZING	
				WIDTH	HEIGHT						
41	CLERICAL AREA	STAIR NO. 2	A1	910	2134	45					
42	CLERICAL AREA	COMPUTER ROOM	A1	810	2030	45					
43	CLERICAL AREA	OFFICE NO. 2	A1	810	2030	45					
44	SECRETARY	OFFICE NO. 1	A1	810	2030	45					
45	CLERICAL AREA	HALLWAY	C	910	2134	45					
46	LUNCH AREA	WASHROOM NO. 3	A	810	2030	45					
47	CLERICAL AREA	CONFERENCE ROOM	A1	910	2030	45					
48	PARTS STORAGE	HALLWAY	E	910	2030	45					
49	OFFICE NO 1	CONFERENCE ROOM	A1	810	2030	45					
50	OFFICE NO 1	WASHROOM NO. 4	A1	810	2030	45					
51	CONFERENCE ROOM	STORAGE	A	810	2030	45					
52	PARTS STORAGE	SERVICE AREA	E	910	2030	45					

HARDWARE SCHEDULE											
DOOR NUMBER	HINGE		LOCKING			MISCELLANEOUS					REMARKS
	PAIRS	TYPE	LATCHSET	LOCKING BAR	LOCK BOLT ASSEMBLY	DOOR CLOSER	PULL	STOP OR HOLDER	KICK PLATE	BUMPER	
41	1/2	3	2			6		17			
42	1/2	11	3					17			
43	1/2	11	3					17			
44	1/2	11	3					17			
45	1/2	3	2			6		17			
46	1/2	3	4					18			
47	1/2	11	3					17			
48	1/2	11	5			6		17			
49	1/2	11	3					17			
50	1/2	11	4					17			
51	1/2	11	2					17			
52	1/2	11	5					17			

This drawing shall not be used for construction purposes unless countersigned by: *G. D. Xiggoros*

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1. WEATHERSHIELD INSULATED SLAT ROLLING DOORS

WORK COVERED BY THIS CONTRACT

Weathershield insulated rolling service doors where indicated. Doors to be as manufactured by Richards-Wilcox of Canada. Workmanship and material to be guaranteed for one year. Doors to include weatherstripping on both sides of guide grooves, neoprene astragal on bottom bar, hood baffles, and insulation.

WORK NOT INCLUDED unless otherwise specified; preparation of openings, steel jamba or other miscellaneous iron, trim, access panels, field painting, electrical wiring or conduit.

CURTAINS to be formed of 3" 22 Gauge galvanized steel, prime painted flat slats with galvanized prime painted steel back slat enclosing 5/8" THERMAX insulation. Steel slats to be galvanized per ASTM standards, and prime painted with baked enamel finish. Both ends of alternate slats are to be equipped with endlocks to serve as wearing surfaces in the guides and to prevent horizontal slat movement. Slats to be flat faced design, with special endlocks. Both bottom bars shall be complete with a neoprene double contact tubular bottom weatherstrip.

GUIDES are to be fabricated of formed steel and standard structural angles not less than 3/16" thick. The guide angles are to be assembled by means of 3/8" bolts. The guide assembly is to be bolted to the jamb, set plumb, using 1/2" bolts not over 3'-0" on centers. Guides to be furnished with weatherstripping on both sides of guide groove.

SHAFT to which the curtain is fastened is to be standard pipe of adequate diameter to prevent deflection exceeding .03" per foot of door width. The shaft is to enclose oil tempered helical torsion springs of a design to ensure proper counterbalancing action. Springs are to be mounted on a single solid torsion rod. The spring tension adjustment is to be by means of an adjusting wheel and pin on the outside of the bracket plate.

BRACKET PLATES are to be fabricated of steel plate. The brackets shall support the door shaft and form an end closure for the hood. The ends of the door shaft are to be supported by sealed ball bearings of sufficient capacity for shaft and curtain loading. Brackets to be supplied with clips to which the hoods are to be fastened.

HOODS are to be fabricated of not lighter than #24 gauge galvanized steel and reinforced at the top and lower edges by formed flanges. Internal neoprene header weather baffle is to be furnished.

FINISH for all steel surfaces is to be one shop coat of primer, except on galvanized surfaces and bearings, etc.

INSTALLATION of the doors is to be performed by qualified erectors, the manufacturer or his authorized representative.

2. MULTIPLEX VERTICAL LIFT DOORS

SCOPE:

The vertical lift door shall be a 22-200 series Multiplex as manufactured by Richards-Wilcox of Canada Limited, and shall be supplied in accordance with the drawings, specifications and door schedule.

GUARANTEE:

The entire door and hardware shall be guaranteed against defects in materials and workmanship for a period of one year from the date of acceptance by the Architect or Engineer.

WORK UNDER OTHER DIVISIONS:

- 1) Steel frames and framing materials, framing extensions.
- 2) Electrical wiring, including the supply and installation of a fused line disconnect switch.
- 3) Finish painting.

MATERIALS:

The multiple lift door shall be Richards-Wilcox 22-200 series Multiplex. The door shall consist of several blades, running on formed steel, sloped guide angles. The guide angles are mounted to a weight box and to a guide assemble, both of which are secured at the jamb.

The weight box shall be constructed of 10 gauge steel sheet and shall have a 1/2" thick steel base plate. The weight box and the guides shall be adequately reinforced with formed horizontal stiffeners.

The guide assembly shall also be constructed of 10 gauge steel sheet and shall have a 1/2" thick steel base plate. Horizontal stiffeners shall be placed at not more than 2'-0" centres on the back of the guide assembly.

The drive mechanism shall be mounted on top of the weight box and shall consist of bearing loaded sheaves running on a 1 1/2" diameter cold rolled steel shaft.

The "capstan" type drive unit shall be such that in the event that the door is blocked by an obstruction, the cables will be held in tension, preventing the blade from dropping when the obstruction is removed.

The limit switch shall be automatically reset after elimination of any interference of the normal operation of the door.

The blades shall be constructed of either 16 gauge steel sheet welded to formed steel rails, stiles and muntins.

The blade at eye level shall be fitted with standard size (22" x 14") sash. The sash shall be 1/8" plexiglass. The sash shall be located at 2'-4" centres across the blade width.

The door shall be insulated with 1/2" semi-rigid fiberglass and shall be fitted with a back-up sheet. The back-up sheet shall be 22 gauge steel.

MANUAL OPERATION:

Manual operation of the doors shall be by means of a handchain hoist, located at the weight box, driving through a reduction to the drive mechanism.

PAINTING:

All components, the door, hardware, electric operators, etc., shall receive one coat of prime paint at the factory.

3. ROLLING COUNTER SHUTTERS

Rolling counter shutters, where shown shall be by Richards-Wilcox of Canada Limited.

Hoods formed metal to match curtain, 24 gauge.

Counter Balances shall be provided by an enclosed torsion spring balance assembly encased in a steel tube designed to support curtain weight with deflection not exceeding .03" per foot of width.

Rolling counter shutters shall be push up operation with cylinder locking.

Curtains shall be interlocking 1 1/2" flat slats of galvanized steel 22 gauge, baked prime finish.

Guides extruded aluminum with pile linings and snap-in cover moulds or formed of material to match steel or stainless curtain.

4. Overhead Doors (DIMENSIONS IN MM)

(a) Provide 2182 wide x 2325 high overhead door to suit. 2100 wide x 2300 high clear opening.

(b) Door shall be 44 MM to 50 thick, with exterior face panels made of 20Ga. Galv. roll formed steel sections, insulated with rigid urethane or fiberglass, and with 24Ga. metal back panel. All sections to be degreased and prime coated.

(c) Provide full width weatherstrip of "U" type neoprene or rubber on door bottom.

(d) Door to be accurately counterbalanced with heavy duty torsion springs, on a solid 1" OD CR steel shaft with posi-tension cable drums and multi-strand galvanized aircraft lifting cables.

(e) The 76 heavy duty 10Ga Galv. steel track shall be reinforced with continuous angles. Provide high lift hardware giving 750 clearance above head of jamb with door in open position.

(f) Install spring steel bumpers at the rear of each track. Use heavy duty hardware with 76 rollers with ball bearings and adjustable end hinges and top fixtures secured to structure.

(g) Door shall be operated with simple chain hoist. Chain lock shall hold door open or shut. Door shall have one pull handle at bottom door panel.

(h) Equip door with double side locks drilled for padlocks.

(i) All door sections shall be degreased and prime coated.

Approved Manufacturers  
Toronto Door Systems (1982) Ltd., or Richard-Wilcox of Canada Ltd.

REFER TO DRAWING NO A-11 FOR HARDWARE LEGEND, DOOR AND FRAME TYPES.

Issued For Tender *Jul/2/85*

NO.	REVISIONS	DATE
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PROJECT TITLE  
PROPOSED WAREHOUSE HEADQUARTERS AND DISTRIBUTION CENTRE FOR HOLDER OF NORTH AMERICA OTTAWA CANADA

DRAWING TITLE  
DOOR AND HARDWARE SCHEDULES

DRAWN BY *R.S.* DATE *May 1985*

CHECKED BY *G.X.* DATE *May, 1985*

PROJECT NO. *84-11* DRAWING NO. *A-12*

DATE ISSUED *May/85*

RECEIVED  
CITY OF OTTAWA BUILDINGS BRANCH  
JUL 10 1985

RECEIVED  
CITY OF OTTAWA BUILDINGS BRANCH  
JUL 16 1985

REVISIONS  
A-12

MICROFILMED