

# Finishing Hardware Schedule

Oakville #5 P.S. HDSB

used also for repeat design:

**Milton #13 Public School**

Architect

Hossack Architecture

Detailer: **RILEY RYKHOFF**

Consultant: **ROSS RUPRECHT B.A., A.H.C.**

Plan Revision: 1

Submittal Date: **May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25**



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov  
18/25, Nov 19/25

## Manufacturers & Finishes

### Manufacturers

Baron Metal  
BEST  
Camden  
Canadian Builders Hdw  
CBH  
Gallery  
Glynn-Johnson  
GYRO-TECH  
Ives  
K.N. Crowder  
LCN  
MISC  
Schlage  
Schlage E.S.  
UNK  
Von Duprin  
Zero

### Finishes

626 - Satin chromium plated  
over nickel  
628 - Satin aluminum, clear  
anodized  
630 - Satin stainless steel  
652 - Satin chromium plated  
over nickel  
689 - Aluminum painted  
*US26D* - Satin chromium plated  
over nickel  
*US28* - Satin aluminum, clear  
anodized  
*US32D* - Satin stainless steel



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## Openings Schedule

Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
101A	1	Pair	<Aluminum>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	57	LHRA/RHRA		90°	39	1	CH, ADO, ES, CR, VINT, CW1FM
101B	1	Pair	<Aluminum>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	57	LHRA/RHRA		90°	EXT ALUM PR	2	CH, CW1FM
101C	1	Pair	<Hollow Metal>	VESTIBULE	FROM	LOBBY	1000, 1000	2150	45	LHRA/RHRA		90°	41	3	ADO
101D	1	Pair	<Hollow Metal>	VESTIBULE	FROM	LOBBY	1000, 1000	2150	45	LHRA/RHRA		90°	O101C	4	
103A	1	Single	<Hollow Metal>	LOBBY	TO	GENERAL OFFICE	1050	2150	45	LH		90°	O103A	5	ADO
104A	1	Single	<Wood>	GENERAL OFFICE	TO	OFFICE	950	2150	45	LH		90°	36	6	
105A	1	Single	<Wood>	GENERAL OFFICE	TO	OFFICE	950	2150	45	LH		90°	36	6	
106A	1	Single	<Wood>	GENERAL OFFICE	TO	OFFICE	950	2150	45	LH		90°	36	6	
107A	1	Single	<Wood>	GENERAL OFFICE	TO	MEETING	950	2150	45	LH		90°	36	6	
108A	1	Single	<Wood>	GENERAL OFFICE	TO	HEALTH	950	2150	45	LH		90°	36	6	
109A	1	Single	<Hollow Metal>	HEALTH	FROM	B/F W/R	950	2150	45	RHR		90°	WR ADO PUSH	7	NOV 3/25 ADD ADO
110A	1	Single	<Hollow Metal>	GENERAL OFFICE	TO	COPY	950	2150	45	RH		90°	O110A	8	
110B	1	Single	<Hollow Metal>	LOBBY	FROM	COPY	950	2150	45	LHR		90°	29 OHS	9	
111A	1	Single	<Hollow Metal>	CORRIDOR	TO	STAFF LOUNGE	950	2150	45	RH	ULMYLX.75	90°	29	10	
112A	1	Single	<Hollow Metal>	EXTERIOR	FROM	SPRINKLER	950	2150	45	RHR		110°	EXT STORAGE SGL	11	
112B	1												NO DR	12	1100 W x 2200 H DOOR OPENING IN WALL. REFER TO ELEVATION. DOUBLE BULLNOSE BLOCK AT JAMBS
113A	1	Single	<Hollow Metal>	CORRIDOR	TO	ELECTRICAL	950	2150	45	LH	ULMYLX.75	90°	15	13	STANLEY CANADA LOCK / BEST
115A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN, CLASSROOM	950	2150	45	RH		180°	CLASS RM WS DC	14	DC FOR AUDIBLE BUZZER
116A	1	Single	<Hollow Metal>	KINDERGARTEN, CLASSROOM	FROM	B/F W/R	950	2150	45	LHR		90°	WR KINDER ADO PUSH OHS	15	
117A	1	Single	<Hollow Metal>	KINDERGARTEN, CLASSROOM	FROM	STORAGE	950	2150	45	LHR		90°	52 STORAGE NO CL	16	
118A	1	Single	<Hollow Metal>	KINDERGARTEN, CLASSROOM	FROM	STORAGE	950	2150	45	RHR		90°	52 STORAGE NO CL	16	



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Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
119A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	FROM	B/F W/R	950	2150	45	RHR		90°	WR KINDER ADO PUSH OHS	15	
120A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	LH		180°	CLASS RM WS DC	14	DC FOR AUDIBLE BUZZER
121A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	RH		180°	CLASS RM WS DC	14	DC FOR AUDIBLE BUZZER
122A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	FROM	B/F W/R	950	2150	45	LHR		90°	WR KINDER ADO PUSH OHS	15	
123A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	FROM	STORAGE	950	2150	45	LHR		90°	52 STORAGE NO CL	16	
124A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	FROM	STORAGE	950	2150	45	RHR		90°	52 STORAGE NO CL	16	
125A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	FROM	B/F W/R	950	2150	45	RHR		90°	WR KINDER ADO PUSH OHS	15	
126A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	LH		180°	CLASS RM WS DC	14	DC FOR AUDIBLE BUZZER
114A	1	Single	<Hollow Metal>	CORRIDOR	TO	RECYCLING & CUSTODIAN STORAGE AREA	1100	2150	45	LH	ULMYLX.75	90°	16	17	
114B	1	Single	<Hollow Metal>	EXTERIOR	TO	RECYCLING & CUSTODIAN STORAGE	950	2150	45	RHR		110°	EXT STORAGE SGL	11	
114C-OH	1	Single	<Hollow Metal>				1830	2135	45				OH DR	18	INSULATED STEEL OVERHEAD COILING DOOR
127AA	1	Pair	<Hollow Metal>	VESTIBULE	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA		180°, 90°	O127AA	19	ADO , LHR 180, FM
127AB	1	Pair	<Aluminum>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	57	LHRA/RHRA		110°, 100°	O128B	20	CH , ADO , CR , ES CW2FM
128A	1	Single	<Hollow Metal>	STAIR B	FROM	CORR	1000	2150	45	LHR	ULMYLX.75	90°	63 SGL	21	
128B	1	Pair	<Aluminum>	EXTERIOR	FROM	STAIR B	1000, 1000	2150	57	LHRA/RHRA		110°	EXT ALUM PR RM	22	CH, CW3 REM HRWD MULL
129A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	RH		90°	CLASS RM OHS DC	23	DC FOR AUDIBLE BUZZER
129B	1	Single	<Hollow Metal>	EXTERIOR	FROM	KINDERGARTEN CLASSROOM	1000	2150	45	LHR		90°	EXT SGL KINDER	24	DC FOR AUDIBLE BUZZER
130A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	STORAGE	950	2150	45	RH		90°	STORAGE WS NO CL	25	
131A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	W/R	950	2150	45	RH		90°	WR KINDER	26	
132A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	W/R	950	2150	45	LH		90°	WR KINDER	26	
133A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	STORAGE	950	2150	45	LH		90°	STORAGE WS NO CL	25	
134A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	LH		90°	CLASS RM OHS DC	23	
134B	1	Single	<Hollow Metal>	EXTERIOR	FROM	KINDERGARTEN CLASSROOM	1000	2150	45	RHR		90°	EXT SGL KINDER	24	
135A	1	Pair	<Hollow Metal>	VESTIBULE	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA		100°	41	3	ADO
135B	1	Pair	<Hollow Metal>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	45	LHRA/RHRA		110°	O135B	27	ADO , CR ES



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136A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	RH		90°	CLASS RM OHS DC	23	
136B	1	Single	<Hollow Metal>	EXTERIOR	FROM	KINDERGARTEN CLASSROOM	1000	2150	45	LHR		90°	EXT SGL KINDER	24	
137A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	STORAGE	950	2150	45	RH		90°	STORAGE WS NO CL	25	
138A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	W/R	950	2150	45	RH		90°	WR KINDER	26	
139A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	STORAGE	950	2150	45	LH		90°	STORAGE WS NO CL	25	
140A	1	Single	<Hollow Metal>	KINDERGARTEN CLASSROOM	TO	W/R	950	2150	45	LH		90°	WR KINDER	26	
141A	1	Single	<Wood>	CORRIDOR	TO	KINDERGARTEN CLASSROOM	950	2150	45	LH		90°	CLASS RM OHS DC	23	
141B	1	Single	<Hollow Metal>	EXTERIOR	FROM	KINDERGARTEN CLASSROOM	1000	2150	45	RHR		90°	EXT SGL KINDER	24	DC FOR AUDIBLE BUZZER
142A	1	Single	<Hollow Metal>	CORRIDOR	TO	W/R	950	2150	45	LH		90°	149A	28	
143A	1	Single	<Hollow Metal>	CORRIDOR	TO	W/R	950	2150	45	RH		90°	149A	28	
144A	1	Single	<Wood>	CORRIDOR	TO	SENSORY	950	2150	45	RH		90°	33	29	
145A	1	Single	<Hollow Metal>	CORRIDOR	TO	SPECIAL ED STORAGE & RESOURCES	950	2150	45	RH		90°	32	30	
146A	1	Single	<Wood>	CORRIDOR	TO	PRIMARY LITERACY ROOM	950	2150	45	LH		90°	CLASS RM WS	31	
146AA	1	Single	<Hollow Metal>	PRIMARY LITERACY ROOM	FROM	MACHINE ROOM	1050	2150	45	RHR	ULMYLX.75	90°	MECH RM	32	
149A	1	Multi	<Hollow Metal>	CORRIDOR	To/From	CORRIDOR	1200, 1200, 1200	2150	45	RH/RHR/LHR		90°	59	33	EMHO, CLOSER EMHO ON MIDDLE DR
150A	1	Single	<Wood>	CORRIDOR	TO	LIFESKILLS CALSSROOM	1050	2150	45	LH		90°	CLASS RM ADO	34	ADO
151A	1	Single	<Hollow Metal>	LIFESKILLS CLASSROOM	TO	KITCHENETTE	1050	2150	45	LH	ULMYLX.75	90°	CLASS RM EMHO	35	EMHO
151B	1	Single	<Hollow Metal>	LIFESKILLS CLASSROOM	TO	KITCHENETTE	1050	2150	45	RH	ULMYLX.75	90°	CLASS RM EMHO	35	EMHO
152A	1	Single	<Hollow Metal>	KITCHENETTE	TO	UTR	1000	2150	45	LH	ULMYLX.75	90°	WR ADO 19	36	ADO
154A	1	Single	<Hollow Metal>	KITCHENETTE	FROM	SENSORY	1050	2150	45	LHR	ULMYLX.75	90°	SENSORY	37	
155A	1	Single	<Wood>	CORRIDOR	TO	LIFESKILLS CALSSROOM	1050	2150	45	RH		90°	CLASS RM ADO	34	ADO
157A	1	Pair	<Hollow Metal>	STAIR A	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°, 90°	63 DBL	38	LHR 180
157B	1	Pair	<Aluminum>	EXTERIOR	FROM	STAIR A	1000, 1000	2150	57	LHRA/RHRA		110°, 90°	O157B	39	CH, CR, ES LHR 110, CW4FM
158A	1												ELEV	40	ELEVATOR
159A	1	Single	<Hollow Metal>	CORRIDOR	TO	KITCHENETTE	950	2150	45	RH	ULMYLX.75	90°	CLASS RM CL	41	



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Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
160A	1	Single	<Hollow Metal>	CORRIDOR	TO	W/R	950	2150	45	RH		90°	08	42	
161A	1	Single	<Wood>	CORRIDOR	FROM	MUSIC ROOM	950	2150	45	LHR	ULMYLX.33	90°	CLASS RM CL	43	
162AA	1	Single	<Hollow Metal>	MUSIC ROOM	TO	PRACTICE RM	950	2150	45	RH		90°	10	44	
162BA	1	Single	<Hollow Metal>	MUSIC ROOM	TO	PRACTICE RM	950	2150	45	LH		90°	10	44	162BB ON DR SCHEDULE 162BA ON FP
163A	1	Pair	<Hollow Metal>	GYMNASIUM	TO	GYM STORAGE	1000, 1000	2150	45	RHA		90°	04	45	NO MULLION
164A	1	Pair	<Hollow Metal>	CORRIDOR	FROM	GYMNASIUM	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.33	90°	01	46	REM MULLION
164B	1	Pair	<Aluminum>	EXTERIOR	FROM	GYMNASIUM	1000, 1000	2150	57	LHRA/RHRA		110°	02	47	CH, REM MULLION CW5
164C	1	Pair	<Aluminum>	EXTERIOR	FROM	GYMNASIUM	1000, 1000	2150	57	LHRA/RHRA		110°	O164C	48	CH, CW6
164AA	1	Single	<Hollow Metal>	GYMNASIUM	FROM	METAL STORAGE	1000	2150	45	RHR		100°	O164AA	49	
165A	1	Single	<Hollow Metal>	GYMNASIUM	TO	BOYS CHANGE RM	950	2150	45	RH		90°	06	50	
166A	1	Single	<Hollow Metal>	GYMNASIUM	TO	GIRLS CHANGE RM	950	2150	45	LH		90°	06	50	
167A	1	Single	<Hollow Metal>	GYMNASIUM	TO	INSTRUCTOR OFFICE	950	2150	45	RH		90°	INSTRUCTOR	51	
401A	1	Pair	<Aluminum>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	57	LHRA/RHRA		100°	O401A	54	CH, ADD. ES, CR, VINT, CW8FM
401B	1	Pair	<Hollow Metal>	VESTIBULE	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA		100°	41-ES	55	ADD, REM MULL, CR, ES
401C	1	Pair	<Hollow Metal>	VESTIBULE	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA		100°	O401C	56	ADD, REM MULL, CR, ES
402A	1	Single	<Wood>	CORRIDOR	TO	OFFICE	950	2150	45	LH		90°	CLASS RM FG	57	
405A	1	Single	<Wood>	CORRIDOR	TO	INFANT	950	2150	45	RH		90°	CLASS RM FG	57	
403A	1	Single	<Wood>	INFANT	TO	W/R	950	2150	45	RH		90°	403A	58	100MM UNDERCUT DUTCH DR
403AA	1	Single	<Hollow Metal>	INFANT	TO	STORAGE	950	2150	45	RH		90°	STORAGE WS NO CL	25	
404A	1												NO DR	12	1100 W x 2200 H DOOR OPENING IN WALL. REFER TO ELEVATION. DOUBLE BULLNOSE BLOCK AT JAMBS
406A	1	Single	<Wood>	CORRIDOR	TO	TODDLER	950	2150	45	LH		90°	CLASS RM FG	57	
407A	1	Single	<Hollow Metal>	CORRIDOR	FROM	B/F W/R	950	2150	45	LHR		90°	WRADO FG	59	ADO
408A	1	Single	<Wood>	TODDLER	TO	W/R	950	2150	45	LH		90°	20	60	1/2 DR, 100MM UC
409A	1	Single	<Wood>	TODDLER	TO	W/R	950	2150	45	RH		90°	20	60	1/2 DR, 100MM UC



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Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
410A	1	Single	<Hollow Metal>	TODDLER	FROM	COT STORAGE	950	2150	45	LHR		90°	STORAGE WS OHS	61	
410B	1	Single	<Hollow Metal>	TODDLER	FROM	COT STORAGE	950	2150	45	RHR		90°	STORAGE WS OHS	61	
411A	1	Single	<Wood>	CORRIDOR	TO	TODDLER	950	2150	45	RH		90°	CLASS RM FG	57	
412A	1	Single	<Wood>	CORRIDOR	TO	PRE-SCHOOL	950	2150	45	RH		90°	CLASS RM FG	57	
413A	1	Single	<Wood>	PRE-SCHOOL	TO	W/R	950	2150	45	LH		90°	20	60	1/2 DR , 100MM UC
414A	1	Single	<Wood>	PRE-SCHOOL	TO	W/R	950	2150	45	LH		90°	20	60	1/2 DR , 100MM UC
415A	1	Single	<Hollow Metal>	PRE-SCHOOL	FROM	COT STORAGE	950	2150	45	LHR		90°	STORAGE WS OHS	61	
415B	1	Single	<Hollow Metal>	PRE-SCHOOL	FROM	COT STORAGE	950	2150	45	RHR		90°	STORAGE WS OHS	61	
416A	1	Single	<Wood>	CORRIDOR	FROM	PRE-SCHOOL	950	2150	45	RH		90°	CLASS RM FG	57	
417A	1	Single	<Hollow Metal>	CORRIDOR	TO	STAFF	950	2150	45	LH		90°	CLASS RM FG	62	
418A	1	Single	<Hollow Metal>	CORRIDOR	FROM	LAUNDRY	950	2150	45	LHR		90°	LAUNDRY	63	
419A	1	Single	<Hollow Metal>	CORRIDOR	TO	KITCHEN	950	2150	45	RH		90°	KITCHEN	64	
421A	1	Single	<Hollow Metal>	CORRIDOR	FROM	UTILITY	1050	2150	45	LHR	ULMYLX.75	90°	211A-1067	65	
422A	1	Pair	<Hollow Metal>	EXTERIOR	FROM	VESTIBULE	1000, 1000	2150	45	LHRA/RHRA		110°	O135B	27	ADO, CR, ES
422B	1	Pair	<Hollow Metal>	VESTIBULE	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA		90°	O4BB2	66	ADO
423A	1	Pair	<Hollow Metal>	STAIR C	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	90°, 180°	O423A	67	LOCK ON BOTH SIDES. NO EXIT HW. DR IS NOT AN EXIT.
423B	1	Pair	<Aluminum>	EXTERIOR	FROM	STAIR C	1000, 1000	2150	57	LHRA/RHRA		110°, 90°	O423B	68	CH, LHR 110, CW7FM
201A	1	Pair	<Hollow Metal>	STAIR A	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°, 90°	64	69	EMHO , LHR 180
202A	1												ELEV	40	ELEVATOR
204A	1	Single	<Wood>	CORRIDOR	TO	SEMINAR ROOM	950	2150	45	LH		90°	30	70	
205A	1	Single	<Hollow Metal>	CORRIDOR	TO	HUB	1000	2150	45	LH		90°	STORAGE WS 1000	71	
206A	1	Single	<Wood>	CORRIDOR	TO	COPIER	950	2150	45	LH		90°	STORAGE	72	
207A	1	Single	<Wood>	LIBRARY	FROM	LAPTOP STORAGE	950	2150	45	LHR		90°	STORAGE OHS ONLY	73	
210AA	1	Single	<Wood>	CO-LAB	TO	SEMINAR ROOM	950	2150	45	LH		90°	CLASS RM OHS	74	
211A	1	Single	<Wood>	CORRIDOR	TO	RESOURCE ROOM	950	2150	45	RH		90°	30	70	



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211B	1	Single	<Wood>	SPECIAL EDUCATION CLASSROOM	TO	RESOURCE ROOM	950	2150	45	RH		90°	CLASS RM OHS	74	
212A	1	Single	<Wood>	CORRIDOR	TO	SPECIAL EDUCATION CLASSROOM	1050	2150	45	LH		90°	CLASS RM WS 5'	75	
213A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
214A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
214B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	LH		90°	CLASS TO CLASS	76	
215A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
216A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
216B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	LH		90°	CLASS TO CLASS	76	
217A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
218A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
220A	1	Pair	<Hollow Metal>	STAIR B	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°, 90°	64	69	EMHO, 180 DEG SWING, LHR 180
221A	1	Single	<Wood>	CORRIDOR	TO	RESOURCE ROOM	950	2150	45	RH		90°	30	70	
222A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
223A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
223B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
224A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
225A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
225B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
226A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
227A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
229A	1	Single	<Aluminum>	CORRIDOR	FROM	QUIET RM	950	2397	45	LHR		90°	QUIET RM	77	
231A	1	Single	<Aluminum>	CORRIDOR	FROM	QUIET RM	950	2397	45	LHR		90°	QUIET RM	77	
232A	1	Single	<Hollow Metal>	CORRIDOR	TO	B/F W/R	950	2150	45	LH		90°	WR ADO	78	ADO
235A	1	Single	<Hollow Metal>	CORRIDOR	TO	W/R	950	2150	45	RH		90°	149A	28	
236A	1	Single	<Hollow Metal>	CORRIDOR	FROM	CUST	1000	2150	45	RHR		90°	151A-1067	79	



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
237A	1	Single	<Hollow Metal>	CORRIDOR	TO	MECHANICAL	1100	2150	45	LH	ULMYLX.75	90°	MECH RM 1100	80	
237B	1	Single	<Hollow Metal>	CORRIDOR	TO	MECHANICAL	1100	2150	45	RH	ULMYLX.75	90°	MECH RM 1100	80	
240A	1	Single	<Aluminum>	CORRIDOR	TO	QUIET RM	950	2397	45	LH		90°	QUIET RM	77	
241A	1	Single	<Hollow Metal>	CORRIDOR	TO	WR	950	2150	45	LH		90°	149A	28	
242A	1	Single	<Hollow Metal>	CORRIDOR	TO	WR	950	2150	45	RH		90°	149A	28	
243A	1	Single	<Hollow Metal>	CORRIDOR	FROM	BF WR	950	2150	45	LHR		90°	WR ADO PUSH	7	ADO
245A	1	Single	<Aluminum>	CORRIDOR	TO	QUIET RM	950	2397	45	LH		90°	QUIET RM	77	
246A	1	Single	<Hollow Metal>	CORRIDOR	TO	WR	950	2150	45	LH		90°	149A	28	
247A	1	Single	<Hollow Metal>	CORRIDOR	TO	WR	950	2150	45	RH		90°	149A	28	
248A	1	Single	<Aluminum>	CORRIDOR	TO	QUIET RM	950	2397	45	RH		90°	QUIET RM	77	
250A	1	Pair	<Hollow Metal>	STAIR C	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°,90°	64	69	EMHO, 180 DEG SWING
251A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
252A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
252B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
253A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
254A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
254B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
255A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
256A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
256B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
301A	1	Pair	<Hollow Metal>	STAIR A	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°,90°	64	69	EMHO, 180 DEG SWING
301B	1	Single	<Hollow Metal>	STAIR A	TO	ROOF	1000	2150	45	RH		90°	58	81	
305A	1	Single	<Hollow Metal>	CORRIDOR	TO	LIBRARY MEZZANINE/SEMINAR	950	2150	45	LH	ULMYLX.75	90°	CLASS RM CL OHS	82	UL RATED HM DR IN ALUM FRAME
302A	1												ELEV	40	ELEVATOR
307AA	1	Single	<Wood>	CO-LAB	TO	SEMINAR ROOM	950	2150	45	LH		90°	CLASS RM CL OHS	83	



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
308A	1	Single	<Wood>	CORRIDOR	TO	RESOURCE	950	2150	45	RH		90°	30	70	
308B	1	Single	<Wood>	CLASSROOM	TO	RESOURCE	950	2150	45	RH		90°	CLASS RM OHS	74	
309A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
310A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
310B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	LH		90°	CLASS TO CLASS	76	
311A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
312A	1	Single	<Wood>	CORRIDOR	TO	APPLICATIONS	1050	2150	45	LH		90°	CLASS RM WS 5'	75	
312AA	1	Single	<Hollow Metal>	APPLICATIONS	FROM	DUST EXTRACTOR	1000	2150	45	LHR		90°	STORAGE CL CUSH 1000	84	
312B	1	Single	<Wood>	CORRIDOR	TO	APPLICATIONS	1050	2150	45	RH		90°	CLASS RM WS 5'	75	
313A	1	Single	<Wood>	CORRIDOR	TO	ART	1050	2150	45	LH		90°	CLASS RM WS 5'	75	
313AA	1	Single	<Hollow Metal>	ART	TO	ART STOR	1050	2150	45	RH		90°	CLASS RM WS 5'	85	
314A	1	Single	<Wood>	CORRIDOR	TO	RESOURCE ROOM	950	2150	45	RH		90°	CLASS RM WS	31	
316A	1	Pair	<Hollow Metal>	STAIR B	FROM	CORRIDOR	1000, 1000	2150	45	LHRA/RHRA	ULMYLX.75	180°, 90°	CLASS RM WS 5'	86	EMHO, 180 DEG SWING
317A	1	Single	<Wood>	CORRIDOR	TO	SCIENCE	950	2150	45	LH		90°	CLASS RM OHS	74	
317B	1	Single	<Wood>	CORRIDOR	TO	SCIENCE	950	2150	45	RH		90°	CLASS RM OHS	74	
318A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
319A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
319B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS TO CLASS	76	
320A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	LH		90°	CLASS RM WS	31	
321A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
321B	1	Single	<Wood>	CLASSROOM	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
322A	1	Single	<Wood>	CORRIDOR	TO	CLASSROOM	950	2150	45	RH		90°	CLASS RM WS	31	
323A	1	Single	<Hollow Metal>	CORRIDOR	TO	B/F W/R	950	2150	45	LH		90°	WR ADO	78	ADO
326A	1	Single	<Hollow Metal>	CORRIDOR	TO	W/R	950	2150	45	RH		90°	149A	28	
327A	1	Single	<Hollow Metal>	CORRIDOR	FROM	CUST	1000	2150	45	RHR		90°	151A-1067	79	



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Opening Number(s)	Qty	Type	Door Catalog	Location 1	To/ From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Degree of Opening	Hardware Group	Heading Num.	Remarks
329A	1	Single	<Aluminum>	CORRIDOR	FROM	QUIET RM	950	2397	45	LHR		90°	QUIET RM	77	
331A	1	Single	<Aluminum>	CORRIDOR	FROM	QUIET RM	950	2397	45	LHR		90°	QUIET RM	77	
332A	1	Single	<Hollow Metal>	CORRIDOR	FROM	ELECT	1000	2150	45	RHR		90°	STORAGE CL CUSH	87	
TC-CLOSET	1		<Wood>	TEACHERS CLOSET									TC-CLOSET	88	
MISC													MISC		



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

**GENERAL:**

**-ALL AUTO DOOR OPERATORS SPECIFIED MUST BE SUPPLIED & INSTALLED BY THE  
HARDWARE SUPPLIER SECTION 08710.**

**WARRANTIES FOR HARDWARE AND AUTO OPERATORS MUST BE FROM ONE  
SUPPLIER( HARDWARE SUPPLIER)**



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov  
18/25, Nov 19/25



Heading #2 (Group: EXT ALUM PR)

Item #2	1 Pair of doors 101B, EXTERIOR FROM VESTIBULE		90° LHRA/RHRA
	1000, 1000 x 2150 x 57 - AL DR x AL FR		
2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
1	Exit Device	Von Duprin CD-33A-NL-OP-4' -626- 57--388/626- INS-2	626/626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-021 Open 626	626
2	Door Pull	Gallery GSH 1180-2 C32D 57	US32D
2	Surface Closer	LCN 4021 REG AL	AL
2	Mounting Bracket	LCN 4020-18G	689
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
2	Threshold	Zero 625A 48"	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
 & Milton #13 P.S. HDSB  
 Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #3 (Group: 41)

Item #3 1 Pair of doors 101C, VESTIBULE FROM LOBBY 90° LHRA/RHRA  
 Item #4 1 Pair of doors 135A, VESTIBULE FROM CORRIDOR 100° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

DR 101D ADO INSTALL ON RHR LEAF.

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12	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
4	Push Bar	Von Duprin 350 -4' 628	628
2	Surface Closer	LCN 4040XP EDA ST-3068	689
2	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
4	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
2	Miscellaneous Item	LCN 4040XP-18PA 689	689
2	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
4	Actuator	Camden CM-60/4	
4	Escutcheon	Camden CM-89S	
2	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.

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Heading #4 (Group: O101C)

Item #5 1 Pair of doors 101D, VESTIBULE FROM LOBBY 90° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

REFER TO DR 101D FOR HARDWARE ON PR DRS 101D

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Door Pull	CBH CBH 7030-1 C32D TB No. 1 45	US32D
2	Push Bar	Von Duprin 350 -4' 628	628
2	Surface Closer	LCN 4040XP EDA ST-3068	689
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
2	Miscellaneous Item	LCN 4040XP-18PA 689	689

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Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #5 (Group: O103A)

Item #6 1 Single door 103A, LOBBY TO GENERAL OFFICE 90° LH

1050 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Electric Strike	Von Duprin 6211- FSE Shim CON-630	630
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
1	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Advanced Logic Relay	Camden CX-33	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING / RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER

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Heading #6 (Group: 36)

Item #7 1 Single door 104A, GENERAL OFFICE TO OFFICE 90° LH  
 Item #8 1 Single door 105A, GENERAL OFFICE TO OFFICE 90° LH  
 Item #9 1 Single door 106A, GENERAL OFFICE TO OFFICE 90° LH  
 Item #10 1 Single door 107A, GENERAL OFFICE TO MEETING 90° LH  
 Item #11 1 Single door 108A, GENERAL OFFICE TO HEALTH 90° LH

950 x 2150 x 45 - WD DR x HM FR

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15	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
5	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
5	Wall Door Stop	Ives WS401/402CCV US26D	US26D
5	Miscellaneous Item	CBH CBH 61 C26D	US26D

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Commercial Doors & Hardware Ltd.  
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Oakville #5 P.S. HDSB

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Heading #7 (Group: WR ADO PUSH)

Item #12	1 Single door 109A, HEALTH FROM B/F W/R	90° RHR
Item #13	1 Single door 243A, CORRIDOR FROM BF WR	90° LHR

950 x 2150 x 45 - HM DR x HM FR

INSTALL WR SET UP AS FAIL SAFE .

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6	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
2	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
2	Electric Strike	Von Duprin 6211 FS CON 24 VAC/VDC	630
2	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
		MTD BOTH SIDES	
2	Wall Door Stop	Ives WS401/402CVX	626
2	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Miscellaneous Hardware	Schlage CON-6W	
2	WR Kit	Camden CX-WC13AXFM -PS	
2	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING / RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER.

Heading #8 (Group: O110A)

Item #14	1 Single door 110A, GENERAL OFFICE TO COPY	90° RH
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950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 689 - REG MTD 45	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Miscellaneous Item	CBH CBH 61 C26D	US26D



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
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Oakville #5 P.S. HDSB

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Heading #9 (Group: 29 OHS)

Item #15 1 Single door 110B, LOBBY FROM COPY 90° LHR

950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 EDA AL	AL
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #10 (Group: 29)

Item #16 1 Single door 111A, CORRIDOR TO STAFF LOUNGE 90° RH

950 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 689 - REG MTD 45	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #11 (Group: EXT STORAGE SGL)

Item #17 1 Single door 112A, EXTERIOR FROM SPRINKLER 110° RHR  
 Item #18 1 Single door 114B, EXTERIOR TO RECYCLING & CUSTODIAN STORAGE 110° RHR

950 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 630	630
2	Dead Lock	Schlage B660P 626 CMK GMK	626
2	Cylinder	CBH CBH 352 2 1/8 DIAM C26D 45	US26D
2	Push Plate	CBH CBH 923 C32D 5" x 20"	US32D
2	Surface Closer	LCN 4040XP SCUSH	689
2	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
2	Threshold	Zero 625A 48"	A
2	Gasketing	Zero HD SEAL 429AA 48 x 0	AA
4	Gasketing	Zero JS 485AA 84	AA
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK

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Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
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Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

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Heading #12 (Group: NO DR)

Item #19 1 Elevation 112B  
Item #20 1 Elevation 404A

\_\_\_ x \_\_\_ x \_\_\_ - HM DR x HM FR

NO DOOR IN OPENING

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Heading #13 (Group: 15)

Item #21 1 Single door 113A, CORRIDOR TO ELECTRICAL 90° LH

950 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	BEST 9K 3 (Pat.) 7 D 15 C S3 626	626
1	Surface Closer	LCN 1461 689 - REG MTD 45	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 904S 652	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Gasketing	Zero SWEEP 8192AA 48	AA

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Heading #14 (Group: CLASS RM WS DC)

Item #22 1 Single door 115A, CORRIDOR TO KINDERGARTEN CLASSROOM 180° RH  
Item #23 1 Single door 120A, CORRIDOR TO KINDERGARTEN CLASSROOM 180° LH  
Item #24 1 Single door 121A, CORRIDOR TO KINDERGARTEN CLASSROOM 180° RH  
Item #25 1 Single door 126A, CORRIDOR TO KINDERGARTEN CLASSROOM 180° LH

950 x 2150 x 45 - WD DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
4	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Wall Door Stop	Ives WS401/402CVX	626
4	Miscellaneous Hardware	UNK DOOR CONTACT FOR AUDIBLE ALARM BY OTHERS	

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #15 (Group: WR KINDER ADO PUSH OHS)

Item #26	1 Single door 116A, KINDERGARTEN CLASSROOM FROM B/F W/R	90° LHR
Item #27	1 Single door 119A, KINDERGARTEN CLASSROOM FROM B/F W/R	90° RHR
Item #28	1 Single door 122A, KINDERGARTEN CLASSROOM FROM B/F W/R	90° LHR
Item #29	1 Single door 125A, KINDERGARTEN CLASSROOM FROM B/F W/R	90° RHR

950 x 2150 x 45 - HM DR x HM FR

INSTALL WR SET UP AS FAIL SAFE .

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12	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
4	Latchset	Schlage ND10S RHO	626
4	Electric Strike	Von Duprin 6211 FS CON 24 VAC/VDC	630
4	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
8	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
		MTD BOTH SIDES	
4	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
4	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
4	Miscellaneous Hardware	Schlage CON-6W	
4	WR Kit	Camden CX-WC13AXFM -PS	
4	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING / RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER.

Heading #16 (Group: 52 STORAGE NO CL)

Item #30	1 Single door 117A, KINDERGARTEN CLASSROOM FROM STORAGE	90° LHR
Item #31	1 Single door 118A, KINDERGARTEN CLASSROOM FROM STORAGE	90° RHR
Item #32	1 Single door 123A, KINDERGARTEN CLASSROOM FROM STORAGE	90° LHR
Item #33	1 Single door 124A, KINDERGARTEN CLASSROOM FROM STORAGE	90° RHR

950 x 2150 x 45 - HM DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 X 4 NRP 652	652
4	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 904S 652	US32D

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #17 (Group: 16)

Item #34 1 Single door 114A, CORRIDOR TO RECYCLING & CUSTODIAN STORAGE AREA 90° LH

1100 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP REG AL	AL
1	Kick Plate	CBH CBH 903 200 X 1050 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Gasketing	Zero SWEEP 8192AA 48	AA

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Heading #18 (Group: OH DR)

Item #35 1 Single door 114C-OH

1830 x 2135 x 45 - HM DR x HM FR

OH DOOR  
HARDWARE COMPLETE BY OH DR SUPPLIER

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #19 (Group: O127AA)

Item #36      1 Pair of doors 127AA, VESTIBULE FROM CORRIDOR      180°,90° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

DR 101D ADO INSTALL ON RHR LEAF.  
REM HARDWARE MULLION

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Removable Mullion	Von Duprin KR4954	689
1	Cylinder	Schlage 20-013 Open 626 158	626
2	Push Bar	Von Duprin 350 -4' 628	628
1	Surface Closer	LCN 4040XP EDA ST-3068	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626
1	Miscellaneous Item	LCN 4040XP-18PA 689	689
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #20 (Group: O128B)

Item #37 1 Pair of doors 127AB, EXTERIOR FROM VESTIBULE 110°,100° LHRA/RHRA  
 1000, 1000 x 2150 x 57 - AL DR x AL FR

REM HARDWARE MULLION

2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Removable Mullion	Von Duprin KR4954	689
1	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
1	Exit Device	Von Duprin CD-33A-NL-OP-4' -626- 57--388/626- INS-2 RHR LEAF	626/626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-013 Open 626 158	626
1	Cylinder	Schlage 20-021 Open 626	626
1	Electric Strike	Von Duprin 6300- CON 24VAC -630 RHR LEAF	630
2	Door Pull	Gallery GSH 1180-2 C32D 57	US32D
1	Surface Closer	LCN 4021 REG AL LHR LEAF	AL
1	Mounting Bracket	LCN 4020-18G	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
2	Threshold	Zero 625A 48"	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Miscellaneous Hardware	UNK CARD READER BY SECURITY CONTRACTOR	
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Advanced Logic Relay	Camden CX-33	
1	Miscellaneous Hardware	LCN WEATHER RING8310-802	PLA

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.  
 INTEGRATION OF SECURITY INTERCOM WITH ADO BY DIV 26



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #21 (Group: 63 SGL)

Item #38 1 Single door 128A, STAIR B FROM CORR 90° LHR

1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Exit Device	Von Duprin BE98L-F O6 4' -499F US26D LHR 1000	626/626
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Gasketing	Zero SWEEP 8192AA 48	AA

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Heading #22 (Group: EXT ALUM PR RM)

Item #39 1 Pair of doors 128B, EXTERIOR FROM STAIR B 110° LHRA/RHRA

1000, 1000 x 2150 x 57 - AL DR x AL FR

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2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Removable Mullion	Von Duprin KR4954	689
2	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-001-1 1/4 " L583-477 626 CMK GMK	626
2	Surface Closer	LCN 4021 REG AL	AL
2	Mounting Bracket	LCN 4020-18G	689
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Threshold	Zero 625A 96	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
2	Miscellaneous Hardware	UNK DOOR CONTACT FOR AUDIBLE ALARM BY OTHERS	

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #23 (Group: CLASS RM OHS DC)

Item #40	1 Single door 129A, CORRIDOR TO KINDERGARTEN CLASSROOM	90° RH
Item #41	1 Single door 134A, CORRIDOR TO KINDERGARTEN CLASSROOM	90° LH
Item #42	1 Single door 136A, CORRIDOR TO KINDERGARTEN CLASSROOM	90° RH
Item #43	1 Single door 141A, CORRIDOR TO KINDERGARTEN CLASSROOM	90° LH

950 x 2150 x 45 - WD DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
4	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 904S 652	US32D
4	Miscellaneous Hardware	UNK DOOR CONTACT FOR AUDIBLE ALARM BY OTHERS	

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Heading #24 (Group: EXT SGL KINDER)

Item #44	1 Single door 129B, EXTERIOR FROM KINDERGARTEN CLASSROOM	90° LHR
Item #45	1 Single door 134B, EXTERIOR FROM KINDERGARTEN CLASSROOM	90° RHR
Item #46	1 Single door 136B, EXTERIOR FROM KINDERGARTEN CLASSROOM	90° LHR
Item #47	1 Single door 141B, EXTERIOR FROM KINDERGARTEN CLASSROOM	90° RHR

1000 x 2150 x 45 - HM DR x HM FR

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12	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 630	630
4	Exit Device	Von Duprin CD-98-EO-4' 626	626
4	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
4	Door Pull	Gallery GSH 4012-2 C32D 45	US32D
4	Surface Closer	LCN 4040XP EDA ST-3068	689
4	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
4	Threshold	Zero 625A 48"	A
4	Gasketing	Zero HD SEAL 429AA 48 x 0	AA
8	Gasketing	Zero JS 485AA 84	AA
4	Gasketing	Zero SWEEP 8192AA 48	AA
4	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
4	Miscellaneous Hardware	UNK DOOR CONTACT FOR AUDIBLE ALARM BY OTHERS	

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Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #25 (Group: STORAGE WS NO CL)

Item #48	1 Single door 130A, KINDERGARTEN CLASSROOM TO STORAGE	90° RH
Item #49	1 Single door 133A, KINDERGARTEN CLASSROOM TO STORAGE	90° LH
Item #50	1 Single door 137A, KINDERGARTEN CLASSROOM TO STORAGE	90° RH
Item #51	1 Single door 139A, KINDERGARTEN CLASSROOM TO STORAGE	90° LH
Item #52	1 Single door 403AA, INFANT TO STORAGE	90° RH

950 x 2150 x 45 - HM DR x HM FR

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15	Standard Hinge	Ives 5BB1 4.5 X 4 NRP 652	652
5	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
5	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
5	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Heading #26 (Group: WR KINDER)

Item #53	1 Single door 131A, KINDERGARTEN CLASSROOM TO W/R	90° RH
Item #54	1 Single door 132A, KINDERGARTEN CLASSROOM TO W/R	90° LH
Item #55	1 Single door 138A, KINDERGARTEN CLASSROOM TO W/R	90° RH
Item #56	1 Single door 140A, KINDERGARTEN CLASSROOM TO W/R	90° LH

950 x 2150 x 45 - HM DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
4	Latchset	Schlage ND10S RHO	626
8	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Wall Door Stop	MTD BOTH SIDES Ives WS401/402CVX	626

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #27 (Group: O135B)

Item #57 1 Pair of doors 135B, EXTERIOR FROM VESTIBULE 110° LHRA/RHRA  
 Item #58 1 Pair of doors 422A, EXTERIOR FROM VESTIBULE 110° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

CARD READER SECURITY COMPANY.

12	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP	630
2	Exit Device	Von Duprin CD-98-EO-4' 626	626
2	Exit Device	Von Duprin CD-98-NL-OP -4' 626 RHR LEAF	626
4	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
2	Cylinder	Schlage 20-021 Open	626
2	Electric Strike	Von Duprin 6300- CON 24VAC -630 RHR LEAF	630
4	Door Pull	Gallery GSH 1180-2 C32D 45	US32D
2	Surface Closer	LCN 4040XP EDA 689	689
2	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
4	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
4	Threshold	Zero 625A 48"	A
4	Gasketing	Zero HD SEAL 429AA 48 x 0	AA
8	Gasketing	Zero JS 485AA 84	AA
4	Gasketing	Zero SWEEP 8192AA 48	AA
4	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
2	Miscellaneous Hardware	UNK CARD READER BY SERURITY CONTRACTOR	
2	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
4	Actuator	Camden CM-60/4	
4	Escutcheon	Camden CM-89S	
2	Advanced Logic Relay	Camden CX-33	
2	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	
2	Miscellaneous Hardware	LCN WEATHER RING8310-802	PLA

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.  
 INTEGRATION OF SECURITY INTERCOM WITH ADO BY DIV 26



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #28 (Group: 149A)

Item #59	1 Single door 142A, CORRIDOR TO W/R	90° LH
Item #60	1 Single door 143A, CORRIDOR TO W/R	90° RH
Item #61	1 Single door 235A, CORRIDOR TO W/R	90° RH
Item #62	1 Single door 241A, CORRIDOR TO WR	90° LH
Item #63	1 Single door 242A, CORRIDOR TO WR	90° RH
Item #64	1 Single door 246A, CORRIDOR TO WR	90° LH
Item #65	1 Single door 247A, CORRIDOR TO WR	90° RH
Item #66	1 Single door 326A, CORRIDOR TO W/R	90° RH

950 x 2150 x 45 - HM DR x HM FR

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24	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
3	Lockset	Schlage L9456P 06B 626 LH L283-722 CMK GMK	626
5	Lockset	Schlage L9456P 06B 626 RH L283-722 CMK GMK	626
8	Kick Plate	CBH CBH 903 300 X 900 C32D	US32D
8	Wall Door Stop	Ives WS401/402CVX	626

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Heading #29 (Group: 33)

Item #67	1 Single door 144A, CORRIDOR TO SENSORY	90° RH
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950 x 2150 x 45 - WD DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Latchset	Schlage ND10S RHO	626
2	Kick Plate	CBH CBH 903 200 X 900 C32D MTD BOTH SIDES	US32D
1	Wall Door Stop	Ives WS401/402CVX	626

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Heading #30 (Group: 32)

Item #68	1 Single door 145A, CORRIDOR TO SPECIAL ED STORAGE & RESOURCES	90° RH
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950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 689 45	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #31 (Group: CLASS RM WS)

Item #69	1 Single door 146A, CORRIDOR TO PRIMARY LITERACY ROOM	90° LH
Item #70	1 Single door 213A, CORRIDOR TO CLASSROOM	90° LH
Item #71	1 Single door 214A, CORRIDOR TO CLASSROOM	90° RH
Item #72	1 Single door 215A, CORRIDOR TO CLASSROOM	90° LH
Item #73	1 Single door 216A, CORRIDOR TO CLASSROOM	90° RH
Item #74	1 Single door 217A, CORRIDOR TO CLASSROOM	90° RH
Item #75	1 Single door 218A, CORRIDOR TO CLASSROOM	90° RH
Item #76	1 Single door 222A, CORRIDOR TO CLASSROOM	90° RH
Item #77	1 Single door 223A, CORRIDOR TO CLASSROOM	90° LH
Item #78	1 Single door 224A, CORRIDOR TO CLASSROOM	90° RH
Item #79	1 Single door 225A, CORRIDOR TO CLASSROOM	90° LH
Item #80	1 Single door 226A, CORRIDOR TO CLASSROOM	90° RH
Item #81	1 Single door 227A, CORRIDOR TO CLASSROOM	90° RH
Item #82	1 Single door 251A, CORRIDOR TO CLASSROOM	90° RH
Item #83	1 Single door 252A, CORRIDOR TO CLASSROOM	90° LH
Item #84	1 Single door 253A, CORRIDOR TO CLASSROOM	90° RH
Item #85	1 Single door 254A, CORRIDOR TO CLASSROOM	90° LH
Item #86	1 Single door 255A, CORRIDOR TO CLASSROOM	90° RH
Item #87	1 Single door 256A, CORRIDOR TO CLASSROOM	90° LH
Item #88	1 Single door 309A, CORRIDOR TO CLASSROOM	90° LH
Item #89	1 Single door 310A, CORRIDOR TO CLASSROOM	90° LH
Item #90	1 Single door 311A, CORRIDOR TO CLASSROOM	90° RH
Item #91	1 Single door 314A, CORRIDOR TO RESOURCE ROOM	90° RH
Item #92	1 Single door 318A, CORRIDOR TO CLASSROOM	90° LH
Item #93	1 Single door 319A, CORRIDOR TO CLASSROOM	90° RH
Item #94	1 Single door 320A, CORRIDOR TO CLASSROOM	90° LH
Item #95	1 Single door 321A, CORRIDOR TO CLASSROOM	90° RH
Item #96	1 Single door 321B, CLASSROOM TO CLASSROOM	90° RH
Item #97	1 Single door 322A, CORRIDOR TO CLASSROOM	90° RH

950 x 2150 x 45 - WD DR x HM FR

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87	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
29	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
29	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
29	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #32 (Group: MECH RM)

Item #98 1 Single door 146AA, PRIMARY LITERACY ROOM FROM MACHINE ROOM 90° RHR

1050 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP SCUSH	689
1	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626
1	Gasketing	Zero 365AA 42"	AA
1	Gasketing	Zero WS 485AA 48 x 84	AA

Heading #33 (Group: 59)

Item #99 1 Multi-door opening 149A, CORRIDOR To/From CORRIDOR 90° RH/RHR/LHR

1200, 1200, 1200 x 2150 x 45 - HM DR x HM FR

9	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Dead Lock	Schlage B662 P6 626 IS-LOC OS-LOC CMK GMK @ SGL RH	626
2	Exit Device	Von Duprin CD-98-EO-4' 626 @PR RHR/LHR	626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK @PR RHR/LHR	626
1	Push Bar	Von Duprin 350 -4' 628 @ SGL RH	628
2	Surface Closer	LCN 4040XP EDA 689	689
2	Mounting Bracket	LCN 4040XP-18G	689
1	Electronic Closer	LCN 4040SE STDTRK 689 PUSH SIDE 45 24V @ CENTRE DR LEAF	689
3	Kick Plate	CBH CBH 903 200 X 1150 C32D	US32D
2	Electro-Magnetic Holder	LCN SEM 7810-514 X 3" EXTENSION 689	689
2	Electro-Magnetic Holder	LCN SEM 7850 TRI VOLT 689	689
1	Miscellaneous Item	LCN 4040SE-3210 689	689
2	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	

ELECTRICAL CONTRACTOR TO INTERFACE 2-WALL MTD EMHO AND 1 DR CLOSER EMHO WITH F/A PANEL.  
ELECTRICAL CONTRACTOR TO PROVIDE WIRING AT 2 WALL MTD LOCATIONS & TO HEADER OF FRAME AT CETRE DR LEAF.



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #34 (Group: CLASS RM ADO)

Item #100	1 Single door 150A, CORRIDOR TO LIFESKILLS CALSSROOM	90° LH
Item #101	1 Single door 155A, CORRIDOR TO LIFESKILLS CALSSROOM	90° RH

1050 x 2150 x 45 - WD DR x HM FR

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
2	Electric Strike	Von Duprin 6211- FSE Shim CON-630	630
2	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
2	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626
4	Actuator	Camden CM-60/4	
4	Escutcheon	Camden CM-89S	
2	Advanced Logic Relay	Camden CX-33	
2	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING /RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER

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Heading #35 (Group: CLASS RM EMHO)

Item #102	1 Single door 151A, LIFESKILLS CLASSROOM TO KITCHENETTE	90° LH
Item #103	1 Single door 151B, LIFESKILLS CLASSROOM TO KITCHENETTE	90° RH

1050 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
2	Surface Closer	LCN 4040XP EDA ST-3068	689
2	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
2	Electro-Magnetic Holder	LCN SEM 7810-514 X 3" EXTENSION 689	689
2	Electro-Magnetic Holder	LCN SEM 7850 TRI VOLT 689	689
2	Gasketing	Zero 188SBK PSA -18'	BK
2	Gasketing	Zero SWEEP 8192AA 48	AA

DIV 26 TO INTERFACE EMHO WITH F/A PANEL



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
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Oakville #5 P.S. HDSB

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Heading #36 (Group: WR ADO 19)

Item #104 1 Single door 152A, KITCHENETTE TO UTR 90° LH

1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

INSTALL WR SET UP AS FAIL SECURE AS OPEING IS 45 MIN LISTED.

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Electric Strike	Von Duprin 6211- FSE Shim CON-630	630
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 PULL SIDE MTD X DR WIDTH HEADER CA	
2	Kick Plate	CBH CBH 903 200 X 950 C32D MTD BOTH SIDES	US32D
1	Wall Door Stop	Ives WS401/402CVX	626
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
1	Miscellaneous Hardware	Schlage CON-6W	
1	WR Kit	Camden CX-WC13AXFM -PS	
1	Miscellaneous Hardware	Camden EMERG WR KIT CX-WEC10K2	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING /RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER.

Heading #37 (Group: SENSORY)

Item #105 1 Single door 154A, KITCHENETTE FROM SENSORY 90° LHR

1050 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Latchset	Schlage ND10S RHO	626
1	Surface Closer	LCN 4040XP SCUSH	689
2	Kick Plate	CBH CBH 903 200 X 1000 C32D MTD BOTH SIDES	US32D



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Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #38 (Group: 63 DBL)

Item #106	1 Pair of doors 157A, STAIR A FROM CORRIDOR	180°,90° LHRA/RHRA
	1000, 1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75	
<hr/>		
6	Standard Hinge Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Exit Device Von Duprin BE98L-F O6 4' -499F US26D	626/626
2	Surface Closer LCN 4040XP EDA 689	689
2	Kick Plate CBH CBH 903 200 X 950 C32D	US32D
2	Wall Door Stop Ives WS401/402CVX	626
2	Gasketing Zero 188SBK PSA -18'	BK
2	Gasketing Zero SWEEP 8192AA 48	AA
1	Miscellaneous Hardware UNK MULLION BY FRAME SUPPLIER	

Heading #39 (Group: O157B)

Item #107	1 Pair of doors 157B, EXTERIOR FROM STAIR A	110°,90° LHRA/RHRA
	1000, 1000 x 2150 x 57 - AL DR x AL FR	
<hr/>		
2	Continuous Hinge Ives 112XY-83" US28	US28
2	Exit Device Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
2	Cylinder Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Electric Strike Von Duprin 6300- CON 24VAC -630	630
2	Door Pull Gallery GSH 4012-2 C32D 57	US32D
2	Surface Closer LCN 4040XP EDA ST-3068	689
2	Overhead Door Stop Glynn-Johnson 104S US32D	US32D
2	Threshold Zero 625A 48"	A
1	Weatherstripping UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item LCN 4040XP-18PA 689	689
2	Miscellaneous Item Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Miscellaneous Hardware UNK CARD READER BY SECURITY CONTRACTOR	
1	Miscellaneous Hardware UNK MULLION BY FRAME SUPPLIER	



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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #40 (Group: ELEV)

- Item #108 1 Elevation 158A
- Item #109 1 Elevation 202A
- Item #110 1 Elevation 302A

\_\_ x \_\_ x \_\_ - HM DR x HM FR

ELEVATOR DR.  
HARDWARE COMPLETE BY ELEV DR SUPPLIER.

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Heading #41 (Group: CLASS RM CL)

- Item #111 1 Single door 159A, CORRIDOR TO KITCHENETTE 90° RH

950 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #42 (Group: 08)

- Item #112 1 Single door 160A, CORRIDOR TO W/R 90° RH

950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage L9456P 06B 626 RH L283-722 CMK GMK	626
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626

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Heading #43 (Group: CLASS RM CL)

Item #113 1 Single door 161A, CORRIDOR FROM MUSIC ROOM 90° LHR

950 x 2150 x 45 - WD DR x HM FR - ULMYLX.33

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #44 (Group: 10)

Item #114 1 Single door 162AA, MUSIC ROOM TO PRACTICE RM 90° RH

Item #115 1 Single door 162BA, MUSIC ROOM TO PRACTICE RM 90° LH

950 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
2	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
2	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 904S 652	US32D
2	Gasketing	Zero 365AA 42"	AA
2	Gasketing	Zero WS 485AA 48 x 84	AA

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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #45 (Group: 04)

Item #116 1 Pair of doors 163A, GYMNASIUM TO GYM STORAGE 90° RHA

1000, 1000 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Flush Bolt	Ives FB458	626
1	Dead Lock	Schlage B663P GMK	626
1	Door Pull	Canadian Builders Hdw CBH 353 4 X 6 C32D	630
		INSTALL PUSH SIDE	
2	Door Pull	CBH CBH 7030-1 C32D TB No. 1 45	US32D
1	Pair Accessory	Ives DP2	626
1	Surface Closer	LCN 4040XP REG AL	AL
		ACT LEAF	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626
1	Weatherstripping	K.N. Crowder W-8SP x 2150mm	
1	Miscellaneous Item	CBH CBH 353 4 X 6 C32D	US32D

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Heading #46 (Group: 01)

Item #117 1 Pair of doors 164A, CORRIDOR FROM GYMNASIUM 90° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.33

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Removable Mullion	Von Duprin KR9954	689
2	Exit Device	Von Duprin 98-L-F 06 4'-499F US26D L	626/626
1	Cylinder	Schlage 20-001 36-083 GMK	626
2	Cylinder	Schlage 20-021 Open 626	626
2	Surface Closer	LCN 4040XP EDA ST-3068	689
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Gasketing	Zero 188SBK PSA -22'	BK
1	Gasketing	Zero ASTRAGAL 328AA 2PC X 84	AA

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Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #47 (Group: 02)

Item #118 1 Pair of doors 164B, EXTERIOR FROM GYNASIUM 110° LHRA/RHRA

1000, 1000 x 2150 x 57 - AL DR x AL FR

2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Removable Mullion	Von Duprin KR4954	689
2	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-001-1 1/4 " L583-477 626 CMK GMK	626
2	Door Pull	Gallery GSH 4012-2 C32D 57	US32D
2	Surface Closer	LCN 4040XP SHCUSH	689
1	Threshold	Zero 625A 96	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
1	Gasketing	Zero ASTRAGAL 328AA 2PC X 84	AA
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	LCN 4040XP-18PA 689	689
2	Miscellaneous Item	LCN 4040XP-61 689	689
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK

Heading #48 (Group: O164C)

Item #119 1 Pair of doors 164C, EXTERIOR FROM GYNASIUM 110° LHRA/RHRA

1000, 1000 x 2150 x 57 - AL DR x AL FR

2	Continuous Hinge	Ives 112XY-83" US28	US28
2	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
2	Door Pull	Gallery GSH 4012-2 C32D 57	US32D
2	Surface Closer	LCN 4040XP SHCUSH	689
2	Threshold	Zero 625A 48"	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	LCN 4040XP-18PA 689	689
2	Miscellaneous Item	LCN 4040XP-61 689	689
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	



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Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #49 (Group: O164AA)

Item #120 1 Single door 164AA, GYMNASIUM FROM METAL STORAGE 100° RHR

1000 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Dead Lock	Schlage B663P GMK	626
1	Door Pull	Canadian Builders Hdw CBH 353 4 X 6 C32D	630
1	Push Plate	CBH CBH 923 C32D 5" x 20"	US32D
1	Surface Closer	LCN 4040XP SHCUSH	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D

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Heading #50 (Group: 06)

Item #121 1 Single door 165A, GYMNASIUM TO BOYS CHANGE RM 90° RH

Item #122 1 Single door 166A, GYMNASIUM TO GIRLS CHANGE RM 90° LH

950 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1HW 4.5 " x 4 .5 " 652	652
2	Dead Lock	Schlage B663P GMK	626
2	Door Pull	Canadian Builders Hdw CBH 353 4 X 6 C32D	630
2	Door Pull	CBH CBH 7030-1 C32D TB No. 1 45	US32D
2	Surface Closer	LCN 4040XP EDA 689	689
2	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626

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Heading #51 (Group: INSTRUCTOR)

Item #123 1 Single door 167A, GYMNASIUM TO INSTRUCTOR OFFICE 90° RH

950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 4.5 " x 4 .5 " 652	652
1	Dead Lock	Schlage B660P 626 CMK GMK	626
1	Door Pull	Canadian Builders Hdw CBH 353 4 X 6 C32D	630
1	Door Pull	CBH CBH 7030-1 C32D TB No. 1 45	US32D
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CVX	626

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
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Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #52 (Group: 41-D)

Item #124

1 Pair of doors 101C, VESTIBULE FROM LOBBY

90° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

DR 101D ADO INSTALL ON RHR LEAF.

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Push Bar	Von Duprin 350 -4' 628	628
1	Surface Closer	LCN 4040XP EDA ST-3068	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Miscellaneous Item	LCN 4040XP-18PA 689	689
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.



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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #53 (Group: 0128B-D)

Item #125 1 Pair of doors 127AB, EXTERIOR FROM VESTIBULE 110° LHRA/RHRA  
 1000, 1000 x 2150 x 57 - AL DR x AL FR

REM HARDWARE MULLION

2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Removable Mullion	Von Duprin KR4954	689
1	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
1	Exit Device	Von Duprin CD-33A-NL-OP-4' -626- 57--388/626- INS-2 RHR LEAF	626/626
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-013 Open 626 158	626
1	Cylinder	Schlage 20-021 Open 626	626
1	Electric Strike	Von Duprin 6300- CON 24VAC -630 RHR LEAF	630
2	Door Pull	Gallery GSH 1180-2 C32D 57	US32D
1	Surface Closer	LCN 4021 REG AL LHR LEAF	AL
1	Mounting Bracket	LCN 4020-18G	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 RHR LEAF	
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
2	Threshold	Zero 625A 48"	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Advanced Logic Relay	Camden CX-33	
1	Miscellaneous Hardware	LCN WEATHER RING8310-802	PLA

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.  
 INTEGRATION OF SECURITY INTERCOM WITH ADO BY DIV 26



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #54 (Group: O401A)

Item #126

1 Pair of doors 401A, EXTERIOR FROM VESTIBULE

100° LHRA/RHRA

1000, 1000 x 2150 x 57 - AL DR x AL FR

CARD READER & VIDEO INTERCOM BY SECURITY COMPANY

2	Continuous Hinge	Ives 112XY-83" US28	US28
1	Exit Device	Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
1	Exit Device	Von Duprin CD-33A-NL-OP-4' -626- 57--388/626- INS-2	626/626
		LHR	
2	Cylinder	Schlage 20-001 114 XQ11-949 36-083 GMK	626
1	Cylinder	Schlage 20-021 Open 626	626
1	Electric Strike	Von Duprin 6300- CON 24VAC -630	630
		LHR LEAF	
2	Door Pull	Gallery GSH 1180-2 C32D 57	US32D
1	Surface Closer	LCN 4021 REG AL	AL
		RHR	
1	Mounting Bracket	LCN 4020-18G	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
		LHR	
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
2	Threshold	Zero 625A 48"	A
1	Weatherstripping	UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing	Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Advanced Logic Relay	Camden CX-33	
1	Miscellaneous Hardware	UNK DOOR CONTACT FOR AUDIBLE ALARM BY OTHERS	
1	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	
1	Miscellaneous Hardware	LCN WEATHER RING8310-802	PLA

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.  
INTEGRATION OF SECURITY INTERCOM WITH ADO BY DIV 26



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #55 (Group: 41-ES)

Item #127

1 Pair of doors 401B, VESTIBULE FROM CORRIDOR

100° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Removable Mullion	Von Duprin KR4854-BLANK -96 --689- 154	689
2	Exit Device	Von Duprin 98L US26D -06 -4' US26D	626/626
1	Cylinder	Schlage 20-001-1 1/4 " L583-477 626 CMK GMK	626
2	Cylinder	Schlage 20-021 Open 626	626
1	Electric Strike	Von Duprin 6300- CON 24VAC -630 LHR	630
1	Surface Closer	LCN 4040XP EDA ST-3068	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628 LHR	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Miscellaneous Item	LCN 4040XP-18PA 689	689
1	Miscellaneous Hardware	UNK CARD READER BY SERURITY CONTRACTOR	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.



Commercial Doors & Hardware Ltd.  
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Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #56 (Group: O401C)

Item #128 1 Pair of doors 401C, VESTIBULE FROM CORRIDOR 100° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Removable Mullion	Von Duprin KR4854-BLANK -96 --689- 154	689
2	Exit Device	Von Duprin 98L US26D -06 -4' US26D	626/626
1	Cylinder	Schlage 20-001-1 1/4 " L583-477 626 CMK GMK	626
2	Cylinder	Schlage 20-021 Open 626	626
1	Electric Strike	Von Duprin 6300- CON 24VAC -630	630
		LHR	
1	Surface Closer	LCN 4040XP EDA 689	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
		LHR	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Miscellaneous Item	LCN 4040XP-18PA 689	689
1	Miscellaneous Hardware	UNK CARD READER BY SERURITY CONTRACTOR	
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Advanced Logic Relay	Camden CX-33	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.

Heading #57 (Group: CLASS RM FG)

Item #129	1 Single door 402A, CORRIDOR TO OFFICE	90° LH
Item #130	1 Single door 405A, CORRIDOR TO INFANT	90° RH
Item #131	1 Single door 406A, CORRIDOR TO TODDLER	90° LH
Item #132	1 Single door 411A, CORRIDOR TO TODDLER	90° RH
Item #133	1 Single door 412A, CORRIDOR TO PRE-SCHOOL	90° RH
Item #134	1 Single door 416A, CORRIDOR FROM PRE-SCHOOL	90° RH

950 x 2150 x 45 - WD DR x HM FR

18	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
6	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
6	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
6	Wall Door Stop	Ives WS401/402CCV US26D	US26D
6	Miscellaneous Item	Zero 51A-180 72"	A
6	Miscellaneous Item	Zero 951A 72"	A



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #58 (Group: 403A)

Item #135

1 Single door 403A, INFANT TO W/R

90° RH

950 x 2150 x 45 - WD DR x HM FR

DUTCH DOOR

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4	Standard Hinge	Ives 5BB1 4.5 x 4 "	652
1	Flush Bolt	Ives FB458	626
1	Latchset	Schlage ND10S RHO	626
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 904H 652	652
		INSTALL TOP LEAF	
1	Wall Door Stop	Ives WS401/402CVX	626
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #59 (Group: WR ADO FG)

Item #136 1 Single door 407A, CORRIDOR FROM B/F W/R 90° LHR

950 x 2150 x 45 - HM DR x HM FR

INSTALL WR SET UP AS FAIL SAFE

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Electric Strike	Von Duprin 6211 FS CON 24 VAC/VDC	630
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
2	Kick Plate	CBH CBH 903 300 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A
1	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
1	WR Kit	Camden CX-WC13AXFM -PS	
1	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING / RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER.

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Heading #60 (Group: 20)

Item #137 1 Single door 408A, TODDLER TO W/R 90° LH  
 Item #138 1 Single door 409A, TODDLER TO W/R 90° RH  
 Item #139 1 Single door 413A, PRE-SCHOOL TO W/R 90° LH  
 Item #140 1 Single door 414A, PRE-SCHOOL TO W/R 90° LH

950 x 2150 x 45 - WD DR x HM FR

HALF DOOR

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8	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
4	Latchset	Schlage ND10S RHO	626
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Wall Door Stop	Ives WS401/402CVX	626
4	Miscellaneous Item	Zero 51A-180 48"	A
4	Miscellaneous Item	Zero 951A 48"	A

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Commercial Doors & Hardware Ltd.  
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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #61 (Group: STORAGE WS OHS)

Item #141	1 Single door 410A, TODDLER FROM COT STORAGE	90° LHR
Item #142	1 Single door 410B, TODDLER FROM COT STORAGE	90° RHR
Item #143	1 Single door 415A, PRE-SCHOOL FROM COT STORAGE	90° LHR
Item #144	1 Single door 415B, PRE-SCHOOL FROM COT STORAGE	90° RHR

950 x 2150 x 45 - HM DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 X 4 NRP 652	652
4	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
4	Kick Plate	CBH CBH 903 300 X 900 C32D	US32D
4	Overhead Door Stop	Glynn-Johnson 904H 652	652
4	Miscellaneous Item	Zero 51A-180 72"	A
4	Miscellaneous Item	Zero 951A 72"	A

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Heading #62 (Group: CLASS RM FG)

Item #145	1 Single door 417A, CORRIDOR TO STAFF	90° LH
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950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A

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Heading #63 (Group: LAUNDRY)

Item #146	1 Single door 418A, CORRIDOR FROM LAUNDRY	90° LHR
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950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 EDA AL	AL
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A

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Oakville #5 P.S. HDSB

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Heading #64 (Group: KITCHEN)

Item #147 1 Single door 419A, CORRIDOR TO KITCHEN 90° RH

950 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 EDA AL	AL
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 904S 652	US32D
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A

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Heading #65 (Group: 211A-1067)

Item #148 1 Single door 421A, CORRIDOR FROM UTILITY 90° LHR

1050 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP SCUSH	689
1	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK
1	Miscellaneous Item	Zero 51A-180 72"	A
1	Miscellaneous Item	Zero 951A 72"	A

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Commercial Doors & Hardware Ltd.  
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Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #66 (Group: O4BB2)

Item #149 1 Pair of doors 422B, VESTIBULE FROM CORRIDOR 90° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR

CARD READER & VIDEO INTERCOM BY SECURITY COMPANY.  
INSTALL ADO ON LHR LEAF

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP	630
2	Door Pull	Gallery GSH 1180-2 C32D	45
2	Push Bar	Von Duprin 350 -4'	628
1	Surface Closer	LCN 4040XP EDA	689
1	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 X DR WIDTH HEADER CA 628	
		LHR	
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Overhead Door Stop	Glynn-Johnson 105S	US32D
1	Key Switch	Camden CM-160/22	INSTALL ADO HEADER
2	Actuator	Camden CM-60/4	
2	Escutcheon	Camden CM-89S	
1	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE.  
INTEGRATION OF SECURITY INTERCOM WITH ADO BY DIV 26

Heading #67 (Group: O423A)

Item #150 1 Pair of doors 423A, STAIR C FROM CORRIDOR 90°,180° LHRA/RHRA

1000, 1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

THIS DOOR IS NOT AN EXIT FROM CORR 420.  
DOORS LOCKED ON BOTH SIDES.

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP	652
2	Lockset	Schlage ND66 P6 RHO	626
2	Surface Closer	LCN 4040XP EDA ST-3068	689
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626
2	Gasketing	Zero 188SBK PSA -18'	BK
2	Gasketing	Zero SWEEP 8192AA	48
2	Miscellaneous Item	LCN 4040XP-18PA	689
1	Miscellaneous Hardware	UNK MULLION BY FRAME SUPPLIER	

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Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #68 (Group: O423B)

Item #151	1 Pair of doors 423B, EXTERIOR FROM STAIR C	110°,90° LHRA/RHRA
	1000, 1000 x 2150 x 57 - AL DR x AL FR	
<hr/>		
2	Continuous Hinge Ives 112XY-83" US28	US28
2	Exit Device Von Duprin CD-33A-EO-4'-626- 57-- INS-2	626
2	Cylinder Schlage 20-001 114 XQ11-949 36-083 GMK	626
2	Door Pull Gallery GSH 1180-2 C32D 57	US32D
2	Surface Closer LCN 4021 REG AL	AL
2	Mounting Bracket LCN 4020-18G	689
2	Overhead Door Stop Glynn-Johnson 104S US32D	US32D
2	Threshold Zero 625A 48"	A
1	Weatherstripping UNK WEATHER STRP BY DOOR AND FRAME SUPPLIER	
2	Gasketing Zero SWEEP 8192AA 48	AA
2	Miscellaneous Item Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK
1	Miscellaneous Hardware UNK MULLION BY FRAME SUPPLIER	

Heading #69 (Group: 64)

Item #152	1 Pair of doors 201A, STAIR A FROM CORRIDOR	180°,90° LHRA/RHRA
Item #153	1 Pair of doors 220A, STAIR B FROM CORRIDOR	180°,90° LHRA/RHRA
Item #154	1 Pair of doors 250A, STAIR C FROM CORRIDOR	180°,90° LHRA/RHRA
Item #155	1 Pair of doors 301A, STAIR A FROM CORRIDOR	180°,90° LHRA/RHRA
	1000, 1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75	
<hr/>		
24	Standard Hinge Ives 5BB1HW 5 X 4.5 NRP 652	652
8	Exit Device Von Duprin 98L-F US26D -06 -4' US26D	626/626
8	Cylinder Schlage 20-021 Open 626	626
8	Surface Closer LCN 4040XP EDA 689	689
8	Kick Plate CBH CBH 903 200 X 950 C32D	US32D
8	Electro-Magnetic Holder LCN SEM 7810-514 X 3" EXTENSION 689	689
8	Electro-Magnetic Holder LCN SEM 7850 TRI VOLT 689	689
8	Gasketing Zero 188SBK PSA -18'	BK
8	Gasketing Zero SWEEP 8192AA 48	AA
4	Miscellaneous Hardware UNK MULLION BY FRAME SUPPLIER	



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Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #70 (Group: 30)

Item #156	1 Single door 204A, CORRIDOR TO SEMINAR ROOM	90° LH
Item #157	1 Single door 211A, CORRIDOR TO RESOURCE ROOM	90° RH
Item #158	1 Single door 221A, CORRIDOR TO RESOURCE ROOM	90° RH
Item #159	1 Single door 308A, CORRIDOR TO RESOURCE	90° RH

950 x 2150 x 45 - WD DR x HM FR

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12	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
4	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
4	Surface Closer	LCN 1461 689 - REG MTD 45	689
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
4	Wall Door Stop	Ives WS401/402CVX	626

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Heading #71 (Group: STORAGE WS 1000)

Item #160	1 Single door 205A, CORRIDOR TO HUB	90° LH
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1000 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 689 - REG MTD 45	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Heading #72 (Group: STORAGE)

Item #161	1 Single door 206A, CORRIDOR TO COPIER	90° LH
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950 x 2150 x 45 - WD DR x HM FR

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 1461 689 - REG MTD 45	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #73 (Group: STORAGE OHS ONLY)

Item #162 1 Single door 207A, LIBRARY FROM LAPTOP STORAGE 90° LHR  
 950 x 2150 x 45 - WD DR x HM FR

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3	Standard Hinge	Ives 5BB1 4.5 X 4 NRP 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Kick Plate	CBH CBH 903 300 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 904S 652	US32D

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Heading #74 (Group: CLASS RM OHS)

Item #163 1 Single door 210AA, CO-LAB TO SEMINAR ROOM 90° LH  
 Item #164 1 Single door 211B, SPECIAL EDUCATION CLASSROOM TO RESOURCE ROOM 90° RH  
 Item #165 1 Single door 308B, CLASSROOM TO RESOURCE 90° RH  
 Item #166 1 Single door 317A, CORRIDOR TO SCIENCE 90° LH  
 Item #167 1 Single door 317B, CORRIDOR TO SCIENCE 90° RH

950 x 2150 x 45 - WD DR x HM FR

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15	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
5	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
5	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
5	Overhead Door Stop	Glynn-Johnson 904S 652	US32D

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Heading #75 (Group: CLASS RM WS 5")

Item #168 1 Single door 212A, CORRIDOR TO SPECIAL EDUCATION CLASSROOM 90° LH  
 Item #169 1 Single door 312A, CORRIDOR TO APPLICATIONS 90° LH  
 Item #170 1 Single door 312B, CORRIDOR TO APPLICATIONS 90° RH  
 Item #171 1 Single door 313A, CORRIDOR TO ART 90° LH

1050 x 2150 x 45 - WD DR x HM FR

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12	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
4	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
4	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
4	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Commercial Doors & Hardware Ltd.  
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 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #76 (Group: CLASS TO CLASS)

Item #172	1 Single door 214B, CLASSROOM TO CLASSROOM	90° LH
Item #173	1 Single door 216B, CLASSROOM TO CLASSROOM	90° LH
Item #174	1 Single door 223B, CLASSROOM TO CLASSROOM	90° RH
Item #175	1 Single door 225B, CLASSROOM TO CLASSROOM	90° RH
Item #176	1 Single door 252B, CLASSROOM TO CLASSROOM	90° RH
Item #177	1 Single door 254B, CLASSROOM TO CLASSROOM	90° RH
Item #178	1 Single door 256B, CLASSROOM TO CLASSROOM	90° RH
Item #179	1 Single door 310B, CLASSROOM TO CLASSROOM	90° LH
Item #180	1 Single door 319B, CLASSROOM TO CLASSROOM	90° RH

950 x 2150 x 45 - WD DR x HM FR

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27	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
9	Lockset	Schlage ND66 P6 RHO 626 CMK GMK	626
9	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
9	Overhead Door Stop	Glynn-Johnson 904S 652	US32D

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Heading #77 (Group: QUIET RM)

Item #181	1 Single door 229A, CORRIDOR FROM QUIET RM	90° LHR
Item #182	1 Single door 231A, CORRIDOR FROM QUIET RM	90° LHR
Item #183	1 Single door 240A, CORRIDOR TO QUIET RM	90° LH
Item #184	1 Single door 245A, CORRIDOR TO QUIET RM	90° LH
Item #185	1 Single door 248A, CORRIDOR TO QUIET RM	90° RH
Item #186	1 Single door 329A, CORRIDOR FROM QUIET RM	90° LHR
Item #187	1 Single door 331A, CORRIDOR FROM QUIET RM	90° LHR

950 x 2397 x 45 - AL DR x AL FR

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28	Standard Hinge	Ives 5BB1 4.5 x 4 " 652	652
7	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
7	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
7	Gasketing	Zero SWEEP 8192AA 48	AA

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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #78 (Group: WR ADO)

Item #188	1 Single door 232A, CORRIDOR TO B/F W/R	90° LH
Item #189	1 Single door 323A, CORRIDOR TO B/F W/R	90° LH

950 x 2150 x 45 - HM DR x HM FR

INSTALL WR SET UP AS FAIL SAFE .

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6	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
2	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
2	Electric Strike	Von Duprin 6211 FS CON 24 VAC/VDC	630
2	Electronic Closer	GYRO-TECH AUTO OPERATOR 8710 PULL SIDE MTD X DR WIDTH HEADER CA	
4	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
		MTD BOTH SIDES	
2	Wall Door Stop	Ives WS401/402CVX	626
2	Key Switch	Camden CM-160/22 INSTALL ADO HEADER	
2	Miscellaneous Hardware	Schlage CON-6W	
2	WR Kit	Camden CX-WC13AXFM -PS	
2	Miscellaneous Hardware	MISC WIRING / RISER DIAGRAM	

THIS HARDWARE SUPPLIER SECTION 08710 TO SUPPLY AND INSTALL AUTO OPERATOR.

DIV 16 ELECTRICAL CONTRACTOR TO PROVIDE 120VAC TO FRAME HEADER AND SUPPLY & INSTALL ALL LVW IN CONDUIT TO ALL ACTUATORS AND ELECTRICAL COMPONENTS LISTED IN THE HARDWARE SCHEDULE. REFER TO WIRING /RISER DIAGRAM SUPPLIED BY HARDWARE SUPPLIER.

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Heading #79 (Group: 151A-1067)

Item #190	1 Single door 236A, CORRIDOR FROM CUST	90° RHR
Item #191	1 Single door 327A, CORRIDOR FROM CUST	90° RHR

1000 x 2150 x 45 - HM DR x HM FR

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6	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
2	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
2	Surface Closer	LCN 1461 S CUSH AL	AL
2	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #80 (Group: MECH RM 1100)

Item #192	1 Single door 237A, CORRIDOR TO MECHANICAL	90° LH
Item #193	1 Single door 237B, CORRIDOR TO MECHANICAL	90° RH

1100 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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6	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
2	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
2	Surface Closer	LCN 4040XP REG AL	AL
2	Kick Plate	CBH CBH 903 200 X 1050 C32D	US32D
2	Wall Door Stop	Ives WS401/402CVX	626
2	Gasketing	Zero 365AA 44" (1100DR)	AA
2	Gasketing	Zero WS 485AA 48 x 84	AA

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Heading #81 (Group: 58)

Item #194	1 Single door 301B, STAIR A TO ROOF	90° RH
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1000 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 630	630
1	Lockset	Schlage L9466 P6 06B 626 RH GMK	626
1	Surface Closer	LCN 4040XP SCUSH	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
1	Threshold	Zero 625A 48"	A
1	Gasketing	Zero HD SEAL 429AA 48 x 0	AA
2	Gasketing	Zero JS 485AA 84	AA
1	Gasketing	Zero SWEEP 8192AA 48	AA
1	Miscellaneous Item	Schlage E.S. 679-05HM BY SECURITY CONTRACTOR	BLK

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Heading #82 (Group: CLASS RM CL OHS)

Item #195	1 Single door 305A, CORRIDOR TO LIBRARY MEZZANINE/SEMINAR	90° LH
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950 x 2150 x 45 - HM DR x AL FR - ULMYLX.75

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D

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Commercial Doors & Hardware Ltd.  
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Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #83 (Group: CLASS RM CL OHS)

Item #196 1 Single door 307AA, CO-LAB TO SEMINAR ROOM 90° LH

950 x 2150 x 45 - WD DR x HM FR

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3	Standard Hinge	Ives 5BB1HW 5 X 4.5 NRP 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP EDA 689	689
1	Kick Plate	CBH CBH 903 200 X 900 C32D	US32D
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D

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Heading #84 (Group: STORAGE CL CUSH 1000)

Item #197 1 Single door 312AA, APPLICATIONS FROM DUST EXTRACTOR 90° LHR

1000 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP SCUSH	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #85 (Group: CLASS RM WS 5")

Item #198 1 Single door 313AA, ART TO ART STOR 90° RH

1050 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
1	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Heading #86 (Group: CLASS RM WS 5")

Item #199 1 Pair of doors 316A, STAIR B FROM CORRIDOR 180°,90° LHRA/RHRA  
1000, 1000 x 2150 x 45 - HM DR x HM FR - ULMYLX.75

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6	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
2	Lockset	Schlage ND70P6D RHO 626 CMK GMK	626
2	Kick Plate	CBH CBH 903 200 X 1000 C32D	US32D
2	Wall Door Stop	Ives WS401/402CCV US26D	US26D

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Heading #87 (Group: STORAGE CL CUSH)

Item #200 1 Single door 332A, CORRIDOR FROM ELECT 90° RHR  
1000 x 2150 x 45 - HM DR x HM FR

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3	Standard Hinge	Ives 5BB1 5 x 4 " 652	652
1	Lockset	Schlage ND80P6D RHO 626 CMK GMK	626
1	Surface Closer	LCN 4040XP SCUSH	689
1	Kick Plate	CBH CBH 903 200 X 950 C32D	US32D
1	Gasketing	Zero 188SBK PSA -18'	BK

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Heading #88 (Group: TC-CLOSET)

Item #201 1 Elevation TC-CLOSET, TEACHERS CLOSET  
\_\_ x \_\_ x \_\_ - WD DR x WD FR

NO TEACHER CLOSET LOCKS REQUIRED.

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov  
18/25, Nov 19/25



**9K Series**  
Heavy Duty Cylindrical Locks – Levers  
by BEST



BEST: Setting the Standard for Security



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov  
18/25, Nov 19/25

Functions					
Function & Diag.(ANSI No.)	Description	Outside Lever		Inside Lever	
		Latched operated by	Locked by	Unlocked by	Locked by
<b>Single keyed</b>					
Entrance (AB) F109 	Rotating the inside lever Rotating the outside lever—only when the inside push button is out. Turning the key in the outside lever	Pushing the inside button Pushing and turning the inside button. Turning the button keeps the outside lever locked until the button is turned back	Turning the key in the outside lever, (only when the button is not turned) Rotating the inside lever, (only when the button is not turned). Closing the door (only when the button is not turned)	Cannot be locked	Always unlocked
Storeroom (D) F86 	Turning the key in the outside lever Rotating the inside lever	Always fixed	Cannot be unlocked	Cannot be locked	Always unlocked
Service Station (E) F92 	Rotating the inside lever Rotating the outside lever only when the inside push button is out Turning the key in the outside lever	Pushing the inside button Pushing and turning the inside button. Turning the button keeps the outside lever locked until the button is turned back	Turning the key in the outside lever Rotating the inside lever Closing the door—only when the button is not turned Turning back the slotted button	Cannot be locked	Always unlocked
Hotel Guest Room (H) F93 (Indicator included) 	Rotating the inside lever Turning the key in the outside lever—only when the inside push button is out Removing the core with a control key and using a special emergency key Pushing the inside button projects an "occupied" indicator in the outside lever and blocks all operating keys.	Always fixed	Key block feature is released by: Rotating the inside lever Closing the door	Cannot be locked	Always unlocked
Hotel Guest Room (HJ) (No indicator) 	Rotating the inside lever Turning the key in the outside lever—only when the inside push button is out Removing the core with a control key and using a special emergency key Pushing the inside button blocks all operating keys, but no "occupied" indicator is projected.	Always fixed	Key block feature is released by: Rotating the inside lever Closing the door	Cannot be locked	Always unlocked
Classroom (R) F84 	Rotating the inside lever Turning the key in the outside lever Rotating the outside lever when not locked by key	Turning the key in the outside lever	Turning the key in the outside lever	Cannot be locked	Always unlocked
Dormitory (T) F90 	Rotating the inside lever Rotating the outside lever when not locked by key or push button	Turning the key in the outside lever, Pushing the button on the inside lever	Turning the key in the outside lever Rotating the inside lever (only when locked by push button) Closing the door (only when locked by push button)	Cannot be locked	Always unlocked
Entrance/Office (UA) 	Rotating the inside lever Rotating the outside lever—only when the inside push button is out Turning the key in the outside lever	Pushing the inside button Pushing and turning the inside button. Turning the button keeps the outside lever locked until the button is turned back	Turning the key in the outside lever, (only when the button is not turned) Rotating the inside lever, (only when the button is not turned).	Cannot be locked	Always unlocked
<b>Double keyed</b>					
Corridor (C) F88 	Rotating the inside lever, Rotating the outside lever when not locked by key Turning the key in the outside lever	Turning the key in the inside lever	Turning the key in the inside lever	Cannot be locked	Always unlocked

\*ATTENTION: Locksets that secure both sides of the door are controlled by building codes and the Life Safety Code. In an emergency exit situation, failure to quickly unlock the inside knob could be hazardous or even fatal.



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Oakville #5 P.S. HDSB  
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Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

## CORMAX™ Patented Keying System

BEST® CORMAX™ is the premier patented keying system offered by BEST. CORMAX will meet your needs for security, key control, and convenience. A simple solution with no compromising allowed. CORMAX is the upgrade path for existing BEST Standard, Premium, and MX8 customers; and it is an essential element of non-residential access control as security administrators strive to eliminate the unauthorized duplication of keys.

### CORMAX offers the following features and benefits:

- A long-term US utility patent that guarantees the extended useful life of the system through 2027.
- A second, independent locking mechanism that utilizes a patented set of built-in side pins to provide higher security.
- Several levels of geographical exclusivity, including national exclusivity, are available via the patented side pin feature.
- CORMAX cores and keys are available exclusively through BEST sales offices. Key blanks are only sold to individuals authorized by the customer to ensure key blanks do not end up in the possession of unauthorized personnel either inside or outside the customer's facility.
- CORMAX cores are certified to meet the security, safety, and reliability requirements of BHMA A156.5 Grade 1.
- Picking and drilling resistance options are available if higher levels of security are desired.
- Complete factory masterkeying service offered, and at no charge with purchase of BEST locksets and PHI exit devices.
- Keyways are organized in families of four keyways each, with double-milled and quad-milled key levels to facilitate the design of masterkey systems in multi-building campuses.
- BEST CORMAX cores are compatible with all existing BEST interchangeable core housings, eliminating the need for new or modified locksets.



## Deadlocking Latches & Strikes

### 8KL3 Deadlocking Latch

**Bolt throw:** 9/16"

**Backset:** 2 3/4"

**Front:** 2 1/4" x 1 1/8" beveled

**Tube:** To fit 1" diameter hole in door edge

**To order:**(with unit) designate "9K3" on How to Order (page 3).

**To order:** (without unit) designate "8KL3-SL" (Spring Latch) or DL (Deadlocking Latch) and finish.



### 8KL4 Deadlocking Latch

**Bolt throw:** 9/16"

**Backset:** 3 3/4"

**Front:** 2 1/4" x 1 1/8" beveled

**Tube:** To fit 1" diameter hole in door edge

**To order:**(with unit) designate "9K4" on How to Order (page 3).

**To order:** (without unit) designate "8KL4-SL" (Spring Latch) or DL (Deadlocking Latch) and finish.



### 8KL5 Deadlocking Latch

**Bolt throw:** 9/16"

**Backset:** 5"

**Front:** 2 1/4" x 1 1/8" beveled

**Tube:** To fit 1" diameter hole in door edge

**To order:**(with unit) designate "9K5" on How to Order (page 3).

**To order:** (without unit) designate "8KL5-SL" (Spring Latch) or DL (Deadlocking Latch) and finish.



### 8KS3-7/8 Flat Strike

**Dimension:** Conforms to ANSI A115.2 for 1 3/4" doors (4 7/8" x 1 7/8" flat)

**To order:** (with unit) designate "S3-7/8" on How to Order (page 3).

**To order:** (without unit) designate 8KS3- 7/8 and finish.



### 8KS3 Strike

**Dimension:** Conforms to ANSI A115.2 for 1 3/4" doors (4 7/8" x 1 1/4" with curved lip).

**To order:** (with unit) designate "S3" on How to Order (page 3).

**To order:** (without unit) designate 8KS3 and finish.



### 8KS2 Strike (Supplied Standard)

**Dimension:** Conforms to ANSI A115.2 for 1 3/8" doors (2 3/4" x 1 1/8" with curved lip and box)

**To order:** (with unit) designate "STK" on How to Order (page 3).

**To order:** (without unit) designate 8KS2 and finish.





# DOOR CONTROL RELAYS

## DOOR CONTROL

### CX-33: ADVANCED LOGIC RELAY

*CX-33 is a 'state of the art' door controller designed for 'universal' operation in virtually any automatic door application. This compact unit is small enough to fit inside most door operator cases. It provides a large 3 segment LED and simple push buttons for the easiest programming, and supports illuminated signage in restroom applications. It also leads the market with a range of exclusive operating features, including time duration in airlock applications and protection of automatic door operators when utilizing magnetic locks.*



#### Specifications

Voltage:	12V to 24V AC/DC
Current Draw:	105mA Typical, 320mA Max
Response Time:	0.5 Seconds
Display:	Blue Multi-Segment LED
Input:	4 x Dry 1 x Wet: min. 5V AC/DC N/O or N/C Selectable
Output:	3 x Form C (SPDT)
Contact Rating:	3A @ 30 VDC
Temp Range:	-22°F to +185°F (-30°C to +85°C)
Time Delay:	Hold 1 timer: 0-50 Seconds Delay 1 Timer: 0-15 Seconds Hold 2 timer: 0-50 Seconds Delay 2 timer: 0-60 Seconds Hold 3 Timer: 0-50 Seconds Delay on Activate: 0-10 Seconds
Dimensions:	2"H x 6"W x 7/8"D (51mm x 152mm x 22mm)

#### Features

- 15 operating modes with sub-modes
- Easily sequence multiple inputs with multiple maintain and hold outputs
- New V3.2 Features Include:
  - Lock Down Mode
  - Delayed Relay Activation
  - Selectable N.O or N.C. Inputs
- Large 3 segment (blue) LED display
- Outstanding power filtering and surge protection
- Selectable time delays with delay on input activation
- Larger terminal strips
- 12V to 24V AC/DC
- 3 year warranty

#### MODEL

CX-33	Advanced Logic Relay
-------	----------------------

### CX-33PS: ADVANCED LOGIC RELAY, POWER SUPPLY AND CABINET

*The industry leading CX-33 Advanced Logic Relay is available in a metal cabinet that centralizes all door control system components; a 12/24 VDC power supply module, and color coded termination blocks for quick and easy installation.*



#### Specifications

Voltage:	16V to 28V AC/DC
Output:	12V or 24 VDC
Current:	2 Amps
Temp Range:	32°F to +120°F (0°C to +49°C)
Dimensions:	11-1/16" H x 7-7/8"W x 2-13/16"D 281mm x 200mm x 72mm)

#### Features

- Rugged and compact metal cabinet
- Pre-wired with large terminal block for easy access
- Removable door with option for cabinet lock
- Five convenient conduit knockouts; one per side
- 12/24V DC power supply, 2 Amp. (UL listed)
- Available as part of Camden Restroom Control Kits (See pages 34-37).
- Short circuit and thermal overload protection
- 3 year warranty

#### MODEL

CX-33PS	Advanced Logic Relay, 2 Amp, Power Supply Cabinet and Transformer
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#### Option

'L'	Add suffix 'L' to model number for Cabinet Lock
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# DOOR CONTROL RELAYS

## DOOR CONTROL

### RELAY CONTROL SELECTION CHART

DESCRIPTION	 CX-33	 CX-EMF-2	 CX-12PLUS	 CX-SA1	NOTES
<b>MODES</b>					
No. of Applications / Modes	15	7	8	2	
Make/Break relay (switching network)	Yes	No	Yes	Yes	Most common application
Apartment/Condo Interfone connection	Yes	No	Yes	No	Eliminates need for separate isolating relay
Bi-directional door sequencer	Yes	Yes	Yes	No	Control of 2 doors
Restroom applications (#) (dedicated output for signage)	Yes (*2)	Yes (3*)	Yes (*2)	No	*Includes both normally unlocked and locked washroom applications
Latching relay modes	Yes	Yes	Yes	Yes	A.K.A - Impulse, sequence, or alternate action
ATM Vestibule control	No	Yes	No	No	Exterior door control on banks, etc.
Dedicated Airlock modes (# of doors)	Yes (2)	Yes (5)	No	No	Prevents more than 1 door open at a time
2 Door Mantrap	No	Yes	No	No	True security mantrap
<b>New!</b> Lock-Down Mode	Yes	No	No	No	Applications include schools
<b>New!</b> Delayed Egress mode	Yes	No	No	No	For warehouse rear emergency exits
<b>SPECIFICATIONS</b>					
No. of Adjustable Time Delays (Type)	6 (digital)	5 (analog)	3 (analog)	3 (analog)	Digital ensures greater accuracy. Larger number of timers.
Adjustable delay-on-activate feature	Yes	No	No	No	Also called a "nuisance delay"
Quantity and Type of Inputs	5 (1 Wet, & 4 Dry)	8 (7 Dry, & 1 Digital)	4 (2 Wet, & 2 Dry)	3 (1 Wet, & 2 Dry)	Larger number of inputs
User Selectable N/O or N/C Inputs	Yes	No	No	No	Camden exclusive feature
Simultaneous selectable momentary, maintained and latching inputs	Yes	Yes	No	Yes	Allows for most flexibility
Number of outputs and Relay rating	3 Form 'C' @ 3 Amps each	5 Form 'C' @ 3 Amps each	2 Form 'C' @ 3 Amps each	2 Form 'C' @ 2 Amps each	Capable of switching larger loads such as magnetic locks
12 – 24 V AC/DC Input Power	Yes	Yes	Yes	Yes	Very stable, forgiving and reliable
Case / Protection	Clear Plastic	Grey Plastic	Paper Wrap	Paper Wrap	
Dimensions	6" x 2" x 7/8"	6-7/8" x 2-7/8" x 7/8"	3-1/4" x 2-1/4" x 5/8"	4-1/8" x 3-1/2" x 5/8"	





### CX-WC: BARRIER FREE RESTROOM CONTROL KITS



MODELS	
CX-WC13AXFM	<p><b>FLUSH MOUNT COMBO ILLUMINATED PUSH PLATE SYSTEM</b></p> <p>(1) <b>CX-33</b> Advanced Logic Relay</p> <p>(1) <b>CM-2520/4854SE1</b> Combo switch, 2" x 4" narrow 'PUSH TO OPEN' &amp; 'PUSH TO LOCK', Flush mount AURA™ illuminated enclosure and sign</p> <p>(1) <b>CM-45/454SE1</b> 4-1/2" Square (concealed screws) push plate, with sounder, illuminated RED/GREEN/BLUE flush mount CM-55i box; Double sided. 'DOOR LOCKED WHEN 'RED' / 'UNLOCKED WHEN GREEN' AND 'OCCUPIED WHEN RED' / 'VACANT WHEN GREEN'; 'WHEELCHAIR' symbol and 'PUSH TO OPEN', blue</p> <p>(1) <b>CX-MDA</b> Magnetic contact, surface, SPST, white Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WC13AXSM-PS	<p><b>SURFACE MOUNT COMBO ILLUMINATED PUSH PLATE SYSTEM</b></p> <p>(1) <b>CX-33PS</b> Advanced Logic Relay, 2 Amp Power Supply, Cabinet and Transformer</p> <p>(1) <b>CM-2520/4854SE1</b> Combo switch, 2" x 4" narrow 'PUSH TO OPEN' &amp; 'PUSH TO LOCK', Surface mount AURA™ illuminated enclosure and sign</p> <p>(1) <b>CM-45/454SE1</b> 4-1/2" Push plate switch, wheelchair &amp; 'PUSH TO OPEN' with Surface mount AURA™ illuminated enclosure and sign</p> <p>(1) <b>CX-ED2079</b> Grade 2 ANSI electric strike with 3 faceplates</p> <p>(1) <b>CX-MDA</b> Magnetic contact, surface, SPST, white Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WC13AXFM-PS	<p><b>FLUSH MOUNT COMBO ILLUMINATED PUSH PLATE SYSTEM</b></p> <p>(1) <b>CX-33PS</b> Advanced Logic Relay, 2 Amp Power Supply, Cabinet and Transformer</p> <p>(1) <b>CM-2520/4855SE1</b> Combo switch, 2" x 4" narrow 'PUSH TO OPEN' &amp; 'PUSH TO LOCK', Flush mount AURA™ illuminated enclosure and sign</p> <p>(1) <b>CM-45/455SE1</b> 4-1/2" Push plate switch, wheelchair &amp; 'PUSH TO OPEN' with Flush mount AURA™ illuminated enclosure and sign</p> <p>(1) <b>CX-ED2079</b> Grade 2 ANSI electric strike with 3 faceplates</p> <p>(1) <b>CX-MDA</b> Magnetic contact, surface, SPST, white Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WC14AXSM	<p><b>SURFACE MOUNT TWO DOOR RESTROOM SYSTEM</b></p> <p>(1) <b>CX-EMF2</b> Multi-Function Relay Controller</p> <p>(2) <b>CM-2520/4854SE1</b> Combo switch, 2" x 4" narrow 'PUSH TO OPEN' &amp; 'PUSH TO LOCK', Surface mount AURA™ illuminated enclosure and sign</p> <p>(2) <b>CM-45/454SE1</b> 4-1/2" Push plate switch, wheelchair &amp; 'PUSH TO OPEN' with Surface mount AURA™ illuminated enclosure and signs</p> <p>(2) <b>CX-MDA</b> Magnetic contact, surface, SPST, white Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WC14AXFM	<p><b>FLUSH MOUNT TWO DOOR RESTROOM SYSTEM</b></p> <p>(1) <b>CX-EMF2</b> Multi-Function Relay Controller</p> <p>(2) <b>CM-2520/4854SE1</b> Combo switch, 2" x 4" narrow 'PUSH TO OPEN' &amp; 'PUSH TO LOCK', Flush mount AURA™ illuminated enclosure and sign</p> <p>(2) <b>CM-45/454SE1</b> 4-1/2" Push plate switch, wheelchair &amp; 'PUSH TO OPEN' with Flush mount AURA™ illuminated enclosure and signs</p> <p>(2) <b>CX-MDA</b> Magnetic contact, surface, SPST, white Add suffix 'F' for French and 'FE' for bilingual</p>



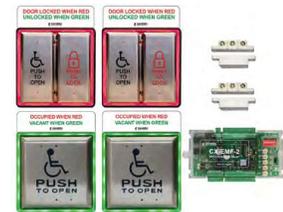
CX-WC13AXFM



CX-WC13AXSM-PS



CX-WC13AXFM-PS



CX-WC14AXSM



CX-WC14AXFM

# RESTROOM CONTROL KITS



## DOOR CONTROL

### CX-WC: BARRIER FREE RESTROOM CONTROL KITS

MODELS	
CX-WC17	<p><b>COLUMN™ SWITCH RESTROOM SYSTEM KIT</b></p> <ul style="list-style-type: none"> <li>(2) <b>CM-7536/4</b> 'Push to Open' Switches</li> <li>(1) <b>CM-7536/8B</b> 'Push to Lock' (Red) Switch</li> <li>(2) <b>CM-AF503</b> LED Annunciators (with 'Occupied' and 'Locked' Message Labels)</li> <li>(1) <b>CX-33</b> Controller</li> <li>(1) <b>CX-MDA</b> Surface Magnetic Contacts</li> </ul> <p>Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WC17VR-PS	<p><b>COLUMN™ SWITCH RESTROOM SYSTEM KIT WITH POWER SUPPLY &amp; HANDS-FREE SENSORS</b></p> <ul style="list-style-type: none"> <li>(2) <b>CM-7536VR/4</b> 'Push to Open' Column™ Switches and Signs</li> <li>(1) <b>CM-7536VR/8B</b> 'Push to Lock' (Red) Column™ Switch and Sign</li> <li>(1) <b>CX-33PS</b> Controller and Power Supply Cabinet</li> <li>(1) <b>CX-ED2079</b> Grade 2 Electric Strike</li> <li>(1) <b>CX-MDA</b> Surface Magnetic Contacts</li> </ul> <p>Add suffix 'F' for French and 'FE' for bilingual</p>



### CX-WEC SERIES: EMERGENCY CALL SYSTEMS FOR UNIVERSAL RESTROOMS



Listed Components



Compliant

*CX-WEC Series are equipment packages designed to meet the latest building code requirements for universal restrooms. Emergency Call Systems may be installed in restrooms without an automatic door operator, or with Camden CX-WC Series barrier-free restroom kits (with operator).*

#### Specifications

Current Draw: CX-WEC Series: 165mA

MODELS	
CX-WEC10	<p><b>UNIVERSAL EMERGENCY CALL KIT</b></p> <ul style="list-style-type: none"> <li>(1) <b>CM-450R/12</b> Mushroom Push button, single gang, stainless steel faceplate, push/pull, 'PRESS FOR EMERGENCY ASSISTANCE'</li> <li>(1) <b>CM-AF501SO</b> Single gang LED annunciator with adjustable sounder 'ASSISTANCE REQUESTED'</li> <li>(1) <b>CM-AF141SO</b> Single Gang LED Dome Light with sounder</li> <li>(1) <b>CM-SE21A</b> English, solid white sign, 'IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE'; For use without automatic door operator, or with CX-WC 10, 11, 12, 13 &amp; 14 barrier-free restroom control kit.</li> </ul> <p>Add suffix 'F' for French and 'FE' for bilingual</p>
CX-WEC10K2	<p><b>UNIVERSAL EMERGENCY CALL SYSTEM KIT, WITH WHITE DOME LIGHT</b></p> <ul style="list-style-type: none"> <li>(1) <b>CM-AF540SO</b> Double gang, push/pull mushroom push button, red, 'Assistance Required', with LED annunciator &amp; adjustable sounder, 'Assistance Requested'</li> <li>(1) <b>CM-AF141SO</b> Single Gang LED Dome Light with sounder</li> <li>(1) <b>CM-SE21A</b> English, solid white sign, 'IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE'</li> </ul> <p>Add suffix 'F' for French and 'FE' for bilingual</p>



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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

# ALL-ACTIVE SWITCHES



## DOOR ACTIVATION DEVICES



### CM-40, CM-41 & CM-60 SERIES: ROUND PUSH PLATE SWITCHES

CM-40, CM-41 and CM-60 Series 'All-Active' push plate switches are heavy-duty, ADA-compliant door controls. Faceplates are stainless steel or solid brass, and the assembly is designed for easy installation. The CM-41 4-1/2" square stainless steel backplate is large enough to cover a poorly installed electrical box. Also fits Camden 4-1/2" square surface boxes.



Listed Components



ADA Compliant



CM-40/2



CM-41/3



CM-60/4

Features	
<ul style="list-style-type: none"> <li>Durable stainless steel or brass construction</li> <li>4 stud switch design and rubber dampers for quieter operation</li> <li>All-Active design requires minimal actuation force</li> </ul>	<ul style="list-style-type: none"> <li>Weather resistant boot included</li> <li>Large variety of graphics options</li> <li>Available in a range of architectural finishes</li> <li>3 year 'Camden Tough' warranty with '2 for 1' replacement</li> </ul>

ROUND SWITCHES	
CM-40	4-1/2" Round push plate switch, brushed stainless steel finish
CM-41	4-1/2" Round push plate switch, with square back plate, brushed stainless steel finish
CM-60	6" Round push plate switch, brushed stainless steel finish

NO-BATTERY KINETIC BY CAMDEN™ WIRELESS ROUND SWITCHES with built-in transmitter. Receiver required.	
CM-40K	4-1/2" Round push plate switch, brushed stainless steel finish
CM-41K	4-1/2" Round push plate switch, with square back plate, brushed stainless steel finish
CM-60K	6" Round push plate switch, brushed stainless steel finish

### Specifications

Voltage:	12/24V AC/DC
Contact Rating:	15A @ 30 VDC
Contact Type:	SPDT Form 'C'
Mounting:	<b>CM-40/41:</b> Single Gang <b>CM-60:</b> Single/Double Gang or 4 x 4
Switch Type:	Momentary
Std. Finish:	US32 / 630
Dimensions:	<b>CM-40:</b> 4-1/2" Diameter x 1-3/4"D (114mm x 44mm) <b>CM-41:</b> 4-1/2"H x 4-1/2"W x 1-3/4"D (114mm x 114mm x 44mm) <b>CM-60:</b> 6" Diameter x 1-1/8"D (152mm x 28.6mm)

OPTIONS (Add suffix to model above)							
Faceplate Graphic Options							
CM-xx/1	CM-xx/2	CM-xx/A2	CM-xx/2AL	CM-xx/2AR	CM-xx/3	CM-xx/3F	CM-xx/4
CM-xx/A4	CM-xx/4AL	CM-xx/4AR	CM-xx/4F	CM-xx/8	CM-xx/8B	CM-xx/8F	CM-xx/8D
Architectural Finishes				Water Tight Option		Contact Option	
CM-xxx-AB Antique Brass	CM-xxx-OB Oil Rub Bronze	CM-xxx-SB Satin Brass	CM-xxx-PB Polished Brass	CM-xxx-WT Boot & watertight coating	CM-xxx-DP DPDT switch instead of SPDT		

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25



# ENCLOSURES AND MOUNTING BOXES

## DOOR ACTIVATION DEVICES

### CM-49, 79, 59S AND 89S: SURFACE AND FLUSH MOUNT ESCUTCHEONS (FOR ROUND PUSH PLATE SWITCHES)

Camden offers a range of **flame and vandal resistant** low profile escutcheons for mounting 4-1/2" and 6" round push plate switches. ABS escutcheons feature a patented 2-piece design and may be ordered as complete 'kits' or individual parts. Stainless steel escutcheons feature one piece heavy gauge construction.

#### Features

- Exclusive 2 piece ABS escutcheons can be surface mounted or mounted on in-wall single gang, double gang or 4" square electrical boxes
- Heavy gauge stainless steel escutcheons provide an attractive, rugged look
- ABS models are designed for use with Lazerpoint RF™ 915 Mhz. wireless wall switch transmitters

#### FOR 4-1/2" ROUND SWITCH - STAINLESS STEEL ESCUTCHEON

CM-59S Surface, Round, Standard Depth. Heavy gauge stainless steel, 7-3/4" x 1-1/18"D

#### FOR 4-1/2" ROUND SWITCH - ABS SPACESHIP ESCUTCHEON

CM-49 Surface/Flush Mount Kit, includes **CM-49A, CM-49B, CM-49C & CM-49G**, 8-3/4" x 2"D

CM-49A Flush enclosure only (fits single gang box), 7" x 13/16"D

CM-49AK Flush Mount Kit, includes **CM-49A, CM-49C & CM-49G**, (fits single, double and 4 x 4 boxes), 7" x 13/16"D

CM-49B Surface mount enclosure only (must be used with **CM-49A**), 8-3/4" x 1"D

CM-49C Adapter plate for mounting on double gang or 4" Square box, 4" x 1/16"D

CM-49G Gasket for **CM-49A** OR **CM-49B**, 6-1/4" x 1/8"D

#### FOR 6" ROUND SWITCH - STAINLESS STEEL ESCUTCHEON

CM-89S Surface, round standard depth. Heavy gauge stainless steel, 9-5/8" x 1-1/2"D

#### FOR 6" ROUND SWITCH - ABS SPACESHIP ESCUTCHEON

CM-79 Surface/Flush Mount Kit, includes **CM-79A, CM-79B, CM-49C & CM-79G**, 9-5/8" x 2"D

CM-79A Flush enclosure only (fits single gang box), 8" x 3/4"D

CM-79AK Flush Mount Kit, includes **CM-79A, CM-49C & CM-79G**, (fits single, double and 4 x 4 boxes), 8" x 3/4"D

CM-79B Surface mount enclosure only (must be used with **CM-79A**), 9-5/8" x 1-1/8"D

CM-79G Gasket for **CM-79A** or **CM-79B**, 7-1/4" x 1/8"D



CM-59S



CM-49A CM-49B  
(Shown with TX-9 Transmitter)



CM-89S



CM-79A CM-79B  
(Shown with TX-9 Transmitter)



# AUTOMATIC DOOR CONTROL SWITCHES

## DOOR ACTIVATION DEVICES

### CM-160 / 170 / 180 SERIES: KEY SWITCHES

Key switches for automatic doors are designed for mounting on the door operator cabinet or door frame, and are available in a range of 2 or 3 position momentary or maintained models. The key cylinder and 2 keys are included.

#### Features

- Black lamacoid (plastic) or stainless steel faceplates
- Key removable in all maintained positions
- 2, 3, 4 position maintained and 2 position momentary models
- All switches are keyed alike

#### MODELS

CM-160	Key switch with plastic lamacoid (mini) faceplate
CM-170	Key switch with stainless steel (narrow stile) faceplate
CM-180	Key switch with stainless steel (single gang) faceplate

#### OPTIONS (Add suffix to model above)

##### Faceplate Graphics

MOMENTARY	MAINTAINED	MAINTAINED	MAINTAINED	MAINTAINED
CX-xx/20	CX-xx/21	CX-xx/22	CX-xx/23	CX-xx/24

##### Extra Keys

CM-A126	(2) Extra keys for CM-160, 170 and 180 series key switches
---------	--



CM-160/23



CM-170/21



CM-180/23

#### Specifications

Voltage:	12/24 VDC
Contact Rating:	4A @ 28 VDC
Switch Life:	100,000 cycles
Dimensions:	<b>CM-160:</b> 3" H x 1-11/16" W x 1-3/8" D (76mm x 42mm x 35mm)
	<b>CM-170:</b> 4-1/2" H x 1-3/4" W x 1-3/8" D (114mm x 44mm x 35mm)
	<b>CM-180:</b> 4-1/2" H x 2-3/4" W x 1-3/8" D (114mm x 70mm x 35mm)

### CM-190 SERIES: TOGGLE SWITCH

CM-190 Series maintained toggle switches are designed to control automatic door operators, featuring a choice of faceplates, for mounting on the operator cabinet/wall.

#### Features

- Mini metal faceplate designed to install on door operator cabinet or door frame
- 2 or 3 position maintained operation
- Single gang faceplate for mounting on standard electrical box
- Heavy duty 6 Amp. contacts

#### MODELS

CM-190	Mini aluminum faceplate
CM-195	Single gang stainless steel faceplate

#### OPTIONS (Add suffix to model above)

##### Faceplate Graphics

	CX-xx/30		CX-xx/31
--	----------	--	----------



CM-190/30



CM-195/31

#### Specifications

Voltage:	12/24 VDC
Contact Rating:	6A @ 30 VDC
Switch Life:	50,000 cycles
Temp Range:	-4°F - 185°F (-20°C - 85°C)
Dimensions:	<b>CM-190:</b> 2-5/8" H x 1-1/2" W x 2" D (59mm x 38mm x 51mm)
	<b>CM-195:</b> 4-1/2" H x 2-3/4" W x 2" D (114mm x 70mm x 51mm)



## GSH 1180 - (1, 2, 3 OR 4) 12" C/C

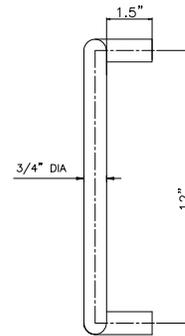
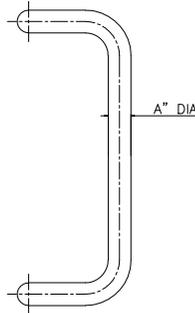
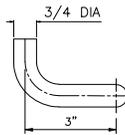
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1.800.267.1236

- Wrought Brass, Bronze, Aluminum and Stainless Steel
- Fasteners for 1 3/4" Door provided
- C3, C4, C9, C10, C10B, C14, C15, C26, C26D, C28 and C32D
- 1=3/4" DIA
- 2=1" DIA
- 3=1-1/4" DIA
- 4=1-1/2" DIA



676 Petrolia Road, Toronto, ON, Canada M3J 2V2  
Tel: 416.667.9593 Fax: 416.667.0806  
Email: info@galleryspecialty.com

All product specifications are subject to change. For the most updated product features, contact our customer service department Toll Free at 1.800.267.1236

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# CDH

Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

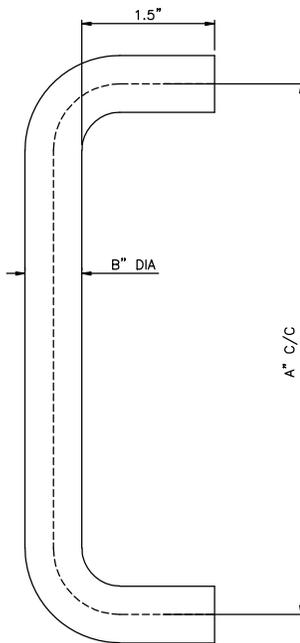
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Submittal Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

GSH 4007 7"-4009 9"-4012 12" (1, 2, 3 OR 4)



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- Wrought Brass, Bronze, Aluminum and Stainless Steel
- Fasteners for 1 3/4" Door provided
- C3, C4, C9, C10, C10B, C14, C15, C26, C26D, C28 and C32D
- 1=3/4" DIA
- 2=1" DIA
- 3=1-1/4" DIA
- 4=1-1/2" DIA

676 Petrolia Road, Toronto, ON, Canada M3J 2V2  
Tel: 416.667.9593 Fax: 416.667.0806  
Email: info@galleryspecialty.com

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Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

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# 90 Series surface overhead door holders/stops



## 90 Series heavy-duty

Glynn-Johnson 90 Series holders and stops are the most rugged models available for heavy-duty applications. The channel is surface-mounted to the door, most often with sex bolts, and the jamb bracket is surface mounted to the jamb, requiring minimal door and frame preparation.

These versatile units can be used in conjunction with most surface-applied door closers. The provided templates allow for variable mounting positions, ranging from 85° to 110° hold-open/stop angle. These templates are designed for installation in almost all types of doors, including doors with conventional butt-type hinges or specialty hinges.

### Four models:

- 90H Series hold-open model
- 90S Series stop-only model
- 90F Series friction hold-open model
- 90SE Series special stop-only model

### Five sizes:

- Simple
- Standardized
- Each model is available in five sizes

### Three options:

- J—Angle jamb bracket
- SHIM—Blade stop shim kits
- SOC—Pin-in-socket security screw package

### Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single-acting doors
- Interior/exterior applications
- Durable
- Easy to install
- Improved corrosion resistance
- Function conversion kits available

### Materials and finishes

In 300 Series stainless steel, brass and steel substrates, these models are available in the largest selection of finishes in the industry. Stainless steel models offer the highest resistance to corrosion. Available in the following finishes:

Finish	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black
652	Chrome-like coating

## Models

Glynn-Johnson 90 Series door holders and stops provide long-lasting protection for doors, frames and hardware. All models incorporate a heavy-duty channel/slide-arm design and offset jamb bracket. This unique design allows for simple field modification of functions, should user requirements change.

### 90H Series hold-open

(Suffix H) Hold-open models provide a convenient method of holding the door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow through the opening. The hold-open function can easily be turned on or off by simply rotating the serrated knob on the bottom of the channel. This knob engages the hold-open mechanism, allowing the door to be held open at a predetermined position ranging from 85° to 110°. When the knob is flipped over, it acts as a stop and shock absorber.

The tension on the hold-open mechanism can be adjusted using a phillips screwdriver to offset air currents or other exterior conditions. The hold-open tension adjustment is located on the top of the slider in the channel.

## 100 Series concealed overhead door holders/stops



### 100 Series heavy-duty

Glynn-Johnson offers a complete line of overhead door holders and stops, accommodating virtually all openings with solutions for even the most complex door control problems. These concealed holders and stops provide the most attractive and reliable heavy-duty door control available.

Glynn-Johnson 100 Series holders and stops provide the most reliable and versatile concealed overhead door control. They are designed for installation on virtually all types of doors mounted on conventional type butt hinges, pivots, continuous hinges, swing clear hinges and numerous other specialty hinges. When used in conjunction with many surface-applied door closers, 100 Series holders and stops provide the most effective control for entrance doors and vestibule doors of all types, as well as heavy or often used interior doors. Templates provided allow for variable mounting positions, ranging from 85° - 110° of opening.

#### Five models:

- 100H Series hold-open model
- 100HP Series internal hold-open model
- 100F Series friction hold-open model
- 100S Series stop-only model
- 100SE Series special stop-only model

#### Six sizes:

- Each model comes in six sizes.
- Simple
- Standardized

#### Three options:

- ADJ—Adjustable jamb bracket
- CJ—Jamb Bracket for use with LCN 5030 closer
- SOC—Pin-in-socket security screw package

#### Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single/double-acting doors
- Interior/exterior applications

- Reduced door prep
- Durable
- Improved corrosion resistance
- Function conversion kits are available

#### Materials and finishes

In heavy gauge brass or 300 Series stainless steel, these models offer the broadest range of finishes in the industry, complementing any design and offering the highest resistance to corrosion. Available in the following finishes:

Finishes	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coat brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black

### Models

These models provide a wide range of optional features, and are ideal for use on entrance and vestibule doors, large doors, doors opened frequently, or doors subject to abuse. These models are also furnished with an offset-style jamb bracket.

Designed for heavy-duty applications, 100 Series models will provide long-lasting protection to doors, frames, hinges, related hardware and surrounding walls or obstructions.

#### 100H Series hold-open

(Suffix H) The hold-open function should be used where it is desired to hold a door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow through the opening.

These models are both selective and adjustable, featuring the most reliable hold-open mechanism available. They feature a control knob which protrudes from the face of the door and turns the hold-open function on or off. Set in the inactive position, the unit acts as a stop and shock absorber. The tension on the hold-open mechanism can be adjusted using an allen wrench to offset air currents or other exterior conditions. The hold-open tension adjustment is located in the bottom of the track in the top of the door.



**5BB1 5 Knuckle, ball bearing full mortise hinge**

- Recommended for medium weight doors (<150 lbs)
- Recommended for medium frequency usage (<400 cycles per day)
- Made with two ball bearing assemblies
- Recommended for use with a door closer
- Packed with fasteners for hollow metal and wood doors
  - 12-24 x 1/2 UFPHMS, 12 x 1 1/4 FPHWS
  - 10-24 x 1/2 UFPHMS, 10 x 1 FPHWS (3.5x3.5 hinge size only)

**Certifications**

- Certified to ANSI/BHMA A156.1 for performance standards
- Meets ANSI/BHMA 156.7 for template hinge dimensions
- UL Classified for windstorm rated assemblies - R37965
- UL Listed, 3 hour fire doors

**Material substrate**

- Made from brass, 1040 steel, or 304 series stainless steel

**Dimensions**

Height x Width	Size (mm)	Gauge
3,5 x 3,5	89 x 89	0,123
4 x 4	102 x 102	0,130
4,5 x 4	114 x 102	0,134
4,5 x 4,5	114 x 114	0,134
5 x 4,5	127 x 114	0,146
5 x 5	127 x 127	0,146

*Refer to General Hinge Information page to determine proper hinge for application*

**5BB1 Finishes**

BHMA	Description	Substrate	Finish
600	Primer paint	Steel	USP
605	Bright brass	Brass	US3
606	Satin brass	Brass	US4
612	Satin bronze	Brass	US10
613	Oil rubbed bronze	Brass	US10B
614	Oxidized bronze	Brass	US10A
616	Blackened bronze	Brass	US11
619	Satin nickel	Brass	US15
622	Matte black	Brass	B-BLK
625	Bright chrome	Brass	US26
626	Satin chrome	Brass	US26D
643e/716	Aged bronze	Brass	B-643e/716
629	Bright stainless	Stainless steel	US32
630	Satin stainless	Stainless steel	US32D
631	Matte black	Steel	F-BLK
632	Bright brass	Steel	US3
633	Satin brass	Steel	US4
639	Satin bronze	Steel	US10
640	Oil rubbed bronze	Steel	US10B
641	Oxidized bronze	Steel	US10A
643	Blackened bronze	Steel	US11
646	Satin nickel	Steel	US15
651	Bright chrome	Steel	US26
652	Satin chrome	Steel	US26D
643e/716	Aged bronze	Steel	F-643e/716

*For other colors, consult factory.*

\*TW and MON options are not available on 3.5x3.5.

A11  
Hinges & pivots

B  
Pulls & plates

C  
Flush bolts & coordinators

D  
Latches, catches & bolts

E  
Stops

F  
Exterior hardware

G  
Miscellaneous hardware

**A11**

Ives Architectural hardware products

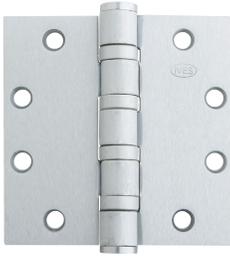


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Oakville, L6H 5V1

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Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

<b>A12</b>	Hinges & pivots
<b>B</b>	Pulls & plates
<b>C</b>	Flush bolts & coordinators
<b>D</b>	Latches, catches, & bolts
<b>E</b>	Stops
<b>F</b>	Exterior hardware
<b>G</b>	Miscellaneous hardware



### 5BB1HW 5 Knuckle, ball bearing, heavy weight full mortise hinge

- Recommended for heavier weight doors (>150 lbs)
- Recommended for high frequency usage (400 cycles per day)
- Made with four ball bearing assemblies
- Recommended for use with a door closer
- Packed with fasteners for hollow metal and wood doors  
12-24 x 1/2 UFPHMS, 12 x 1 1/4 FPHWS

#### Certifications

- Certified to ANSI/BHMA A156.1 for performance standards
- Meets ANSI/BHMA 156.7 for template hinge dimensions
- UL Classified for windstorm rated assemblies - R37965
- UL Listed, 3 hour fire doors

#### Material substrate

- Made from brass, 1040 steel, or 304 series stainless steel

#### Options

- NRP .....Non-removable pin
- HT .....Hospital tip
- SH .....Security stud - comes standard with NRP
- RC-1/4, RC-5/8 .....Rounded corners
- SEC .....Security fasteners - pin-in-socket
- TW4 .....Four wire
- TW4M .....Four wire with monitor
- TW8 .....Eight wire
- TW8M .....Eight wire with monitor
- TW12 .....Twelve wire
- MON .....Monitor

#### Dimensions

Height x Width	Size (mm)	Gauge
4,5 x 4	114 x 102	0,180
4,5 x 4,5	114 x 114	0,180
5 x 4,5	127 x 114	0,190
5 x 5	127 x 127	0,190

Refer to General Hinge Information page to determine proper hinge for application

#### 5BB1HW Finishes

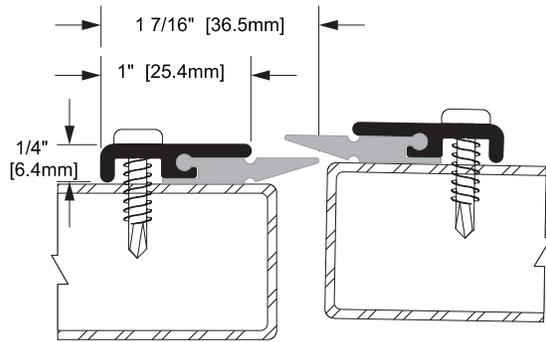
BHMA	Description	Substrate	Finish
600	Primer paint	Steel	USP
605	Bright brass	Brass	US3
606	Satin brass	Brass	US4
612	Satin bronze	Brass	US10
613	Oil rubbed bronze	Brass	US10B
614	Oxidized bronze	Brass	US10A
616	Blackened bronze	Brass	US11
619	Satin nickel	Brass	US15
622	Matte black	Brass	B-BLK
625	Bright chrome	Brass	US26
626	Satin chrome	Brass	US26D
643e/716	Aged bronze	Brass	B-643e/716
629	Bright stainless	Stainless steel	US32
630	Satin stainless	Stainless steel	US32D
631	Matte black	Steel	F-BLK
632	Bright brass	Steel	US3
633	Satin brass	Steel	US4
639	Satin bronze	Steel	US10
640	Oil rubbed bronze	Steel	US10B
641	Oxidized bronze	Steel	US10A
643	Blackened bronze	Steel	US11
646	Satin nickel	Steel	US15
651	Bright chrome	Steel	US26
652	Satin chrome	Steel	US26D
643e/716	Aged bronze	Steel	F-643e/716

For other colors, consult factory.

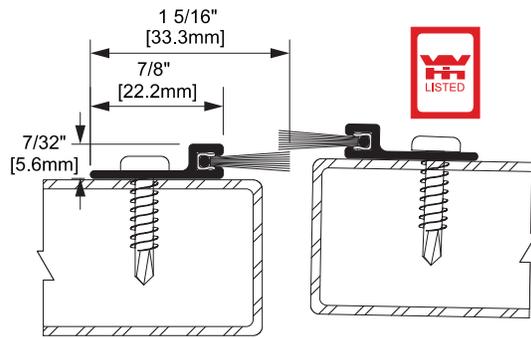
## A12

Ives Architectural hardware products

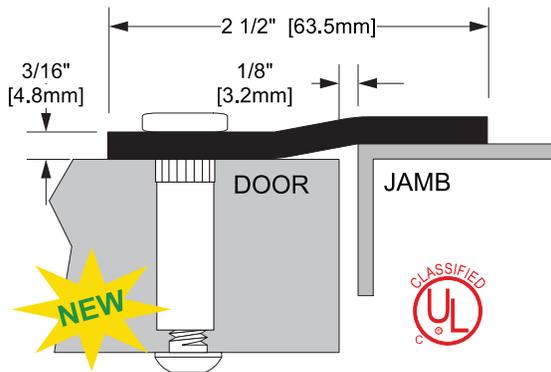
# ASTRAGALS



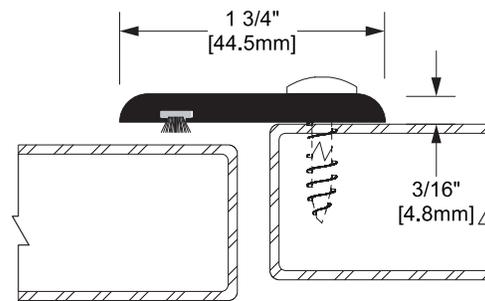
**W-5** CLEAR ANODIZED ALUMINUM AND VINYL



**W-25** CLEAR ANODIZED ALUMINUM AND NYLON BRUSH



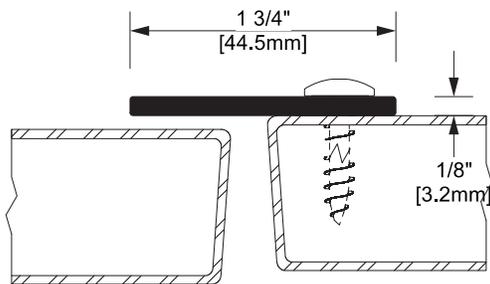
**W-7** SECURITY ASTRAGAL  
PRIMED C.R. STEEL c/w SECURITY SLEEVE



**W-8** EXTRUDED ALUMINUM

**W-8P** EXTRUDED ALUMINUM WITH PILE

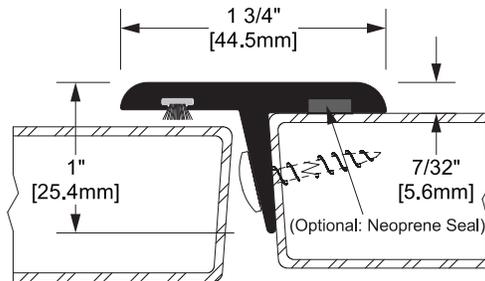
**W-8SL** EXTRUDED ALUMINUM WITH SILICONE



**W-8S** C.R. STEEL WITH CONDITIONED EDGES

**W-8SP** AS ABOVE, PRIMED FINISH

**W-8SS** STAINLESS STEEL, SEE PG. 20



**W-9** EXTRUDED ALUMINUM WITH PILE

**W-9S** EXTRUDED ALUMINUM WITH SILICONE



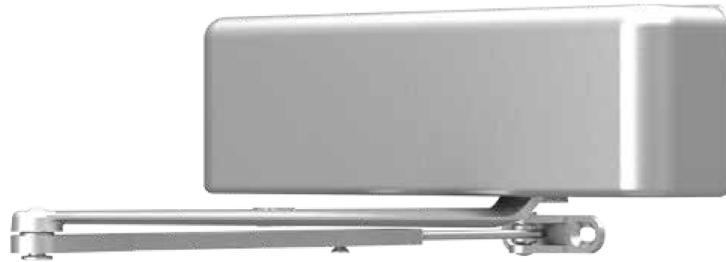
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Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

# 4020 Series

Features

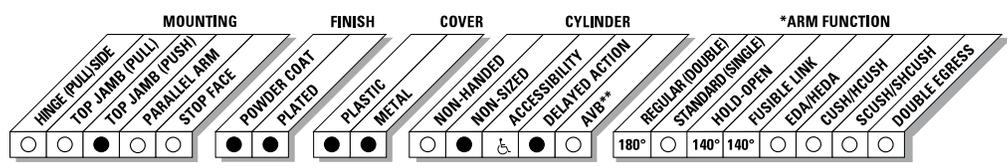


The 4020 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

<b>Certifications</b>	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
<b>Body Construction</b>	<ul style="list-style-type: none"> <li>■ Cast Iron Body</li> <li>■ Full Complement Bearing</li> <li>■ 1-1/2" Diameter Piston</li> <li>■ 11/16" Diameter Double Heat Treated Pinion Journal</li> </ul>
<b>Fluid</b>	All Weather Fluid
<b>Handing</b>	Handed
<b>Templating</b>	Peel-n-Stick templates - 2-1-2" x 6" Mounting Hole Pattern
<b>Size</b>	Adjustable 1-5 or Sized 6
<b>Warranty</b>	30 years

<b>Cover</b>	<ul style="list-style-type: none"> <li>■ Plastic, Standard</li> <li>■ Metal, Optional</li> </ul>
<b>Fasteners</b>	Self Reaming and Tapping Screws (SRT)
<b>Mounting</b>	Top Jamb (Push Side)
<b>Arms</b>	Regular arm
<b>Finishes/Colors/ Powder Coat</b>	<ul style="list-style-type: none"> <li>■ Aluminum (689)</li> <li>■ Statuary Bronze (690)</li> <li>■ Light Bronze (691)</li> <li>■ Black (693)</li> <li>■ Dark Bronze (695)</li> <li>■ Brass (696)</li> <li>■ Custom colors optional</li> <li>■ Optional SRI primer - powder coat only</li> <li>■ Optional plated finishes</li> </ul>

**Special Templates** | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE  
○ NOT AVAILABLE  
♿ Closer available with less than 5.0 lbs. opening force on 36" door.  
\* Maximum opening/hold-open point with standard template.  
\*\* Advanced Variable Backcheck.

LCN Door Control Catalog  
phone: 877-671-7011 ■ fax: 800-248-1460 ■ www.allegion.com/us ■ 009426 rev. 2/16

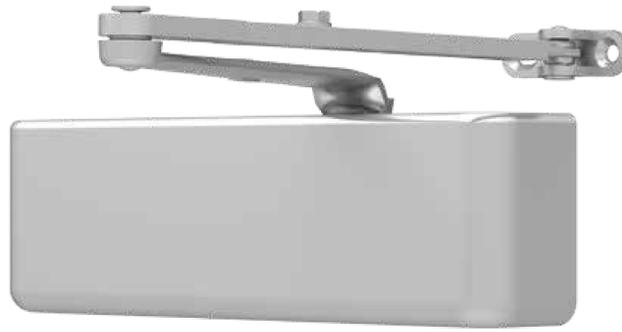


Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

# 4040XP Series

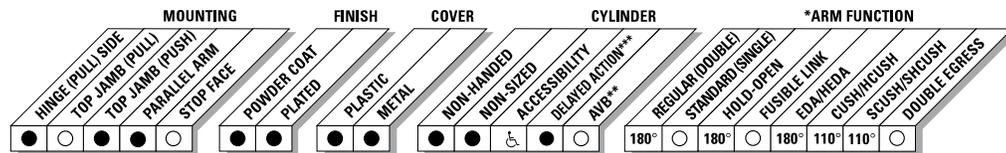
Features



The 4040XP is LCN's most durable and flexible heavy duty closer designed for institutional and other demanding high traffic applications.

<b>Certifications</b>	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	<b>Cover</b>	<ul style="list-style-type: none"> <li>Plastic, Standard</li> <li>Metal, Optional</li> </ul>
<b>Body Construction</b>	<ul style="list-style-type: none"> <li>Cast Iron Body</li> <li>Full Complement Bearings</li> <li>1-1/2" Diameter Piston</li> <li>3/4" Diameter Double Heat Treated Pinion Journal</li> </ul>	<b>Fasteners</b>	Self Reaming and Tapping Screws (SRT)
<b>Fluid</b>	All Weather Liquid X Fluid	<b>Mounting</b>	Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)
<b>Handing</b>	Non-Handed	<b>Arms</b>	Regular Arm
<b>Templating</b>	Peel-n-Stick templates - 2-1/4" x 5" Mounting Hole Pattern	<b>Finishes/Colors/ Powder Coat</b>	<ul style="list-style-type: none"> <li>Aluminum (689)</li> <li>Statuary Bronze (690)</li> <li>Light Bronze (691)</li> <li>Black (693)</li> <li>Dark Bronze (695)</li> <li>Brass (696)</li> <li>Custom colors optional</li> <li>Optional SRI primer - powder coat only</li> <li>Optional plated finishes</li> </ul>
<b>Size</b>	Adjustable Spring Size 1-6, includes Patented Green Dial		
<b>Warranty</b>	30 years		

**Special Templates** | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE  
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.  
\* Maximum opening/hold-open point with standard template.  
\*\* Advanced Variable Backcheck.  
\*\*\* Delay feature incorporates standard 4040 cylinder (not XP).

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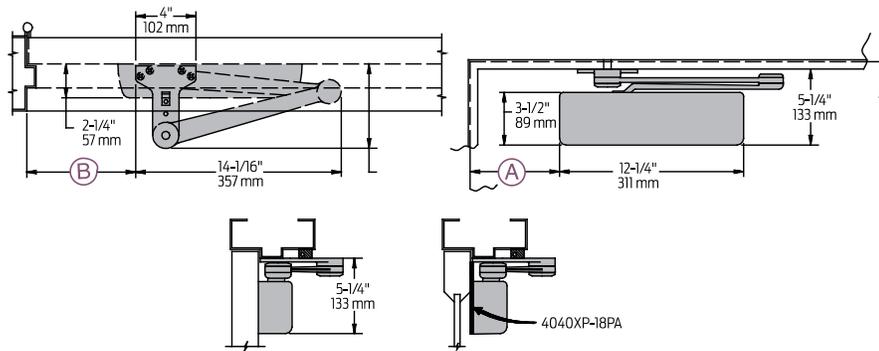
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## 4040XP Series

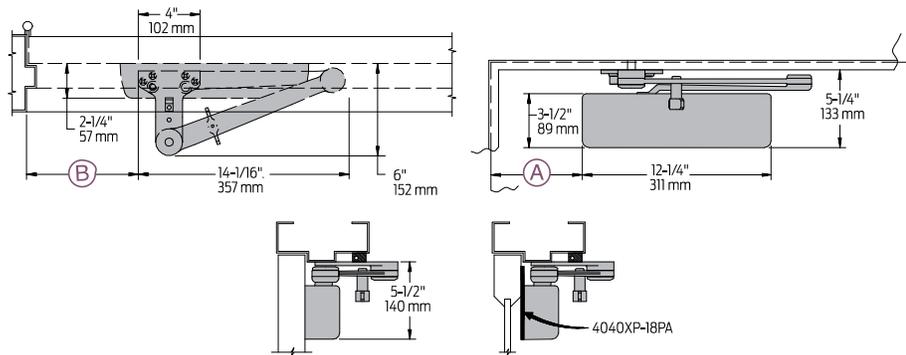
### Mounting details

EDA and CUSH Mounting

#### EDA mount



#### CUSH mount



<b>Clearance</b>	4040XP-62EDA is 5-1/2" (140 mm) from door face. 6" (152 mm) for CUSH	
<b>Head Frame</b>	Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 4040XP-419	
<b>CUSH ARM</b>	Requires SHOE SUPPORT, 4040XP-30 for fifth screw anchorage for narrow frames	
<b>Delayed Action</b>	<ul style="list-style-type: none"> <li>■ Incorporates standard 4041 cylinder, without XP cylinder.</li> <li>■ Delays closing from maximum opening to ; 115° with 180° template, 95° with 110° template, 85° with 100° template, 75° with 90° template. Delay time adjustable up to approximately 1 minute.</li> </ul>	
<b>Maximum Opening</b>	EDA arm can be templated for points at:	CUSH arms can be templated for opening/hold-open point at:
	110°: A = 6-3/8" (162 mm) B = 7-3/4" (197 mm)	85°: A = 7-15/16" (202 mm) B = 9-1/8" (232 mm)
	or 180°: A = 2-7/8" (73 mm) B = 4-1/4" (108 mm)	90°: A = 7-3/16" (183 mm) B = 8-1/2" (216 mm)
	Hold-open points up to maximum opening with HEDA arm	100°: A = 6-1/16" (154 mm) B = 7-1/4" (184 mm)
		or 110°: A = 5-1/16" (129 mm) B = 6-3/8" (162 mm)

#### Notes:

- 4040XP Series closers ordered with EDA or CUSH arms include 4040XP-201 FIFTH HOLE SPACER to support the shoe
- Spring Cush stop points are approximately 5° more than templated stop point
- Hold open at templated stop points

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## Arms

## 4040XP Series

### Accessories



**4040XP-3077**  
Regular Arm

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA SHOE, 4040XP-62PA required for parallel arm mounting



**4040XP-3077L**  
Long Arm

- Non-handed
- Includes LONG ROD AND SHOE, 4040XP-79LR for top jamb mount
- Optional



**4040XP-3077ELR**  
Extra Long Arm

- Non-handed
- Includes EXTRA LONG ROD AND SHOE, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



**4040XP-3049**  
Hold-Open Arm

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold-open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



**4040XP-3049L**  
Long Hold-Open Arm

- Non-handed
- Includes LONG HEAD AND TUBE, 4040XP-3048L for top jamb mount
- Optional



**4040XP-3077EDA**  
Extra Duty Arm

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



**4040XP-3049EDA**  
Hold-Open Extra Duty Arm

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold-open function is adjusted at the shoe
- Optional



**4040XP-3077EDA/62G**  
Extra Duty Arm with 62G

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



**4040XP-3049EDA/62G**  
Hold-Open Extra Duty Arm with 62G

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance. Hold-open function is adjusted at the shoe
- Optional



**4040XP-3077CNS**  
Cush-N-Stop® Arm

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe.
- Optional



**4040XP-3049CNS**  
HCUSH Arm

- Non-handed
- Hold-open function with templated stop/hold-open points
- Handle controls hold-open function
- Optional



**4040XP-3077SCNS**  
Spring CUSH Arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional



**4040XP-3049SCNS**  
Spring HCUSH Arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold-open function
- Optional

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**LCN**

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**CDH**

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# 1460 Series

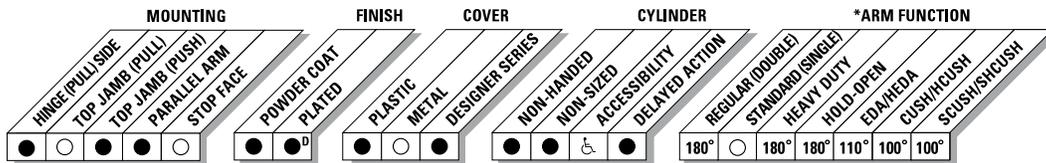
## Features



Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.

<b>Certifications</b>	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	<b>Cover</b>	<ul style="list-style-type: none"> <li>■ Slim Line Plastic, Standard</li> <li>■ Full Plastic and Metal Designer Series, Optional</li> </ul>
<b>Body Construction</b>	<ul style="list-style-type: none"> <li>■ Cast Iron Body</li> <li>■ Full Complement Bearing</li> <li>■ 1-1/4" Diameter Piston</li> <li>■ 3/4" Diameter Single Heat Treated Pinion Journal</li> </ul>	<b>Fasteners</b>	Self Reaming and Tapping Screws (SRT)
<b>Fluid</b>	All Weather Fluid	<b>Mounting</b>	Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)
<b>Handing</b>	Non-Handed	<b>Arms</b>	Standard regular pull side, and top jamb
<b>Templating</b>	Peel-n-Stick templates - 1" x 7-1/2" Mounting Hole Pattern	<b>Finishes/Colors/ Powder Coat</b>	<ul style="list-style-type: none"> <li>■ Aluminum (689)</li> <li>■ Statuary Bronze (690)</li> <li>■ Light Bronze (691)</li> <li>■ Black (693)</li> <li>■ Dark Bronze (695)</li> <li>■ Brass (696)</li> <li>■ Custom colors optional</li> <li>■ Optional SRI primer - powder coat only</li> <li>■ Optional plated finishes</li> </ul>
<b>Size</b>	Adjustable Spring Size 1-6, Includes Patented Green Dial		
<b>Warranty</b>	30 years		

**Special Templates** | Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



● AVAILABLE ○ NOT AVAILABLE  
 ⚠ Closer available with less than 5.0 lbs. opening force on 36" door.  
 \* Maximum opening/hold-open point with standard template.  
 D = For designer series only.

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# 1460 Series

Accessories

## Arms



### 1460-3077

#### Regular Arm

- Non-handed
- Mounts hinge side or top jamb
- P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting



### 1460-3077L

#### Long Arm

- Non-handed
- Includes LONG ROD AND SHOE, 1460-79LR for top jamb mount with deep reveals
- Optional



### 1460-3077HD

#### Heavy Duty Regular Arm

- Non-handed
- Mounts hinge side, top jamb or parallel arm
- Optional



### 1460-3077HDL

#### Heavy Duty Long Arm

- Non-handed
- Includes long rod and shoe, 1460-79LR for top jamb mounts with deep reveals
- Optional



### 1460-3049

#### Hold-Open Arm

- Non-handed
- Mounts hinge side, top jamb or parallel arm (62PA required)
- Hold-open adjustable at shoe
- Optional



### 1460-3049L

#### Long Hold-Open Arm

- Non-handed
- Includes LONG HEAD AND TUBE, 1460-3048L for top jamb mount with deep reveals
- Optional



### 1460-3077EDA

#### Extra Duty Arm

- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1460-3077EDA/62G for blade stop clearance



### 1460-3077EDA/62G

#### Extra Duty Arm w/ 62G

- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations



### 1460-3049EDA

#### Hold-Open Extra Duty Arm

- Handed arm
- Provides hold-open function adjustable at shoe
- Optional



### 1460-3077CNS

#### Cush-N-Stop® Arm

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe
- Optional



### 1460-3049CNS

#### HCUSH Arm

- Non-handed
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function
- Optional



### 1460-3077SCNS

#### Spring CUSH Arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional



### 1460-3049SHCNS

#### Spring HCUSH Arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe. Handle controls hold-open function
- Optional

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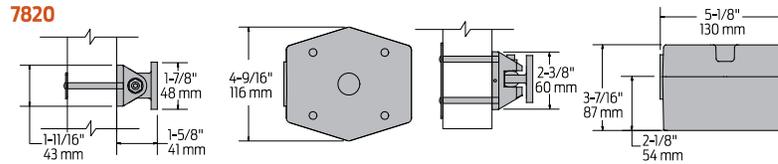
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## SEM7800 Series

Magnets

Features and mounting details

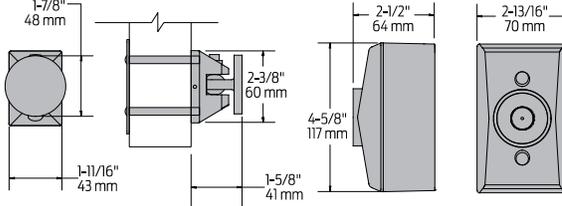
### 7820



**Mounting** Floor mounted

**Total Projection** 6-3/4" (171 mm)

### 7830

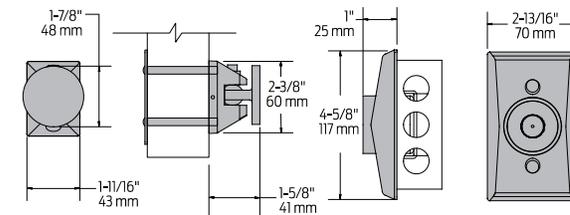


**Mounting** Surface wall mounted

**Total Projection** 4-1/8" (105 mm)

- Suitable for use in pocket door installations

### 7840



**Mounting**

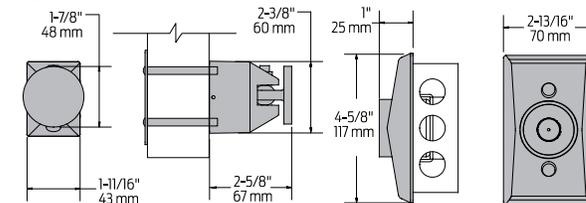
- Low profile recessed wall mount
- 2" (51 mm) x 4" (102 mm) x 1-1/2" (38 mm)

**Total Projection** 2-5/8" (67 mm)

- Suitable for use in pocket door installations

*Note:*  
Outlet box not included.

### 7850



**Mounting**

- Standard profile recessed wall mount
- 2" (51 mm) x 4" (102 mm) x 1-1/2" (38 mm)

**Total Projection** 3-5/8" (92 mm)

- Suitable for use in pocket door installations

*Note:*  
Outlet box not included.

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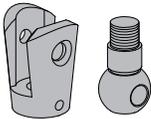
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**Extensions**



**SEM7810-514**  
Coupler Assembly Kit

- Required for each door needing extension(s)
- Kit includes coupler link and ball pivot (alone serves as a 1-1/2" extension)



**SEM7810-E050**  
Extension - 1/2"

- Metal
- Standard



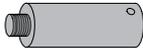
**SEM7810-E075**  
Extension - 3/4"

- Metal
- Standard



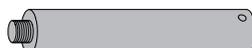
**Extension, SEM7810-E100**  
Extension - 1"

- Metal
- Standard



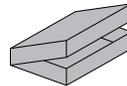
**SEM7810-E200**  
Extension - 2"

- Metal
- Standard



**Extension, SEM7810-E400**  
Extension - 4"

- Metal
- Standard



**SEM7810-517**  
Extension kit

- Extension kit includes:
- 10 .....7810SEM-E050
  - 10 .....7810SEM-E075
  - 10 .....7810SEM-E100
  - 5 .....7810SEM-E200
  - 20 .....7810SEM-514

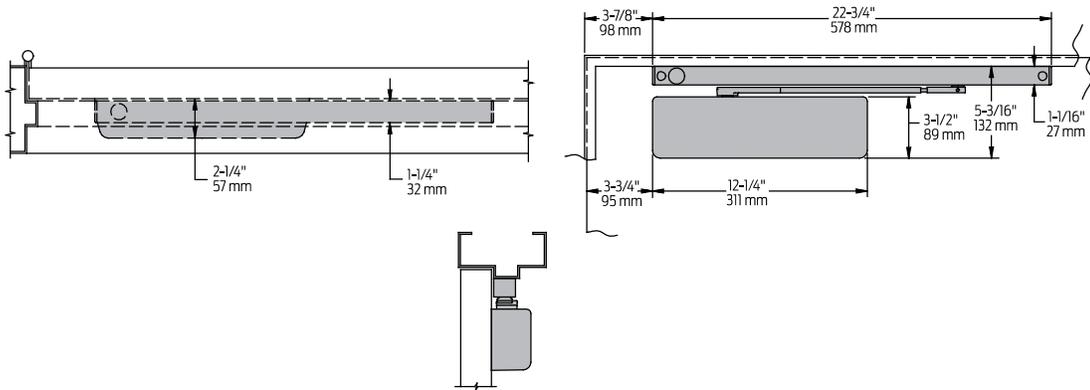
*Note: Using just the Coupler Assembly Kit (SEM7810-514) will create a 1-1/2" link.  
Extension Links are available in different lengths and can be combined together to achieve the desired length. Max. recommended length = 12"*



# 4040SE Series

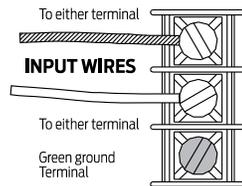
## Mounting details

Stop Face (Push Side) Mounting



<b>Butt Hinges</b>	Should not exceed 5" (127 mm) in width
<b>Auxiliary Stop</b>	Recommended at hold-open point
<b>Top Rail</b>	<ul style="list-style-type: none"> <li>Minimum 5-3/4" (146 mm)</li> <li>Installation with PLATE, 4040SE-18PA requires SPECIAL TEMPLATE and 2" (51 mm) minimum top rail</li> </ul>
<b>Stop Width</b>	1-1/4" (32 mm) minimum
<b>Door Width</b>	<ul style="list-style-type: none"> <li>2' 4" (711 mm) minimum for single door with SE</li> <li>4' 8" (1422 mm) minimum for paired doors with SE</li> </ul>
<b>Maximum Opening</b>	<ul style="list-style-type: none"> <li>Templating allows 110°</li> <li>Hold-open points between 85° and 110° in approximately 3° increments</li> <li>SEL track provides hold-open points between 90° and 120°, in approximately 3° increments</li> </ul>
<b>SE, SEL Electrical Options</b>	<ul style="list-style-type: none"> <li>These track assemblies require a single power circuit for the holding solenoid</li> <li>SE or SEL holding solenoid is either 24V or 120V input, please specify</li> <li>An optional 4040SE-3210 or 8310-824 TRANSFORMER reduces 120V AC line voltage to 24V AC</li> <li>Circuitry accepts either AC or DC input</li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>Long (SEL) track</li> </ul>

### SE Wiring Diagram



### Notes:

- Information applies to 4040 SE closers unless otherwise specified
- Momentary on/off switch board assembly for testing door release also provides over-voltage protection. Field replaceable
- Functions as a full rack and pinion closer when hold-open is not engaged or current is interrupted

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**Switch**



**4040SE-3436**  
Test Switch

**Installation Accessories**



**4040SE-18**  
Plate

- Required where top rail is less than 3-1/2" (89 mm)
- Requires minimum 2" (51 mm) top rail
- Installations require a SPECIAL TEMPLATE



**4040SE-18PA**  
Plate

- Required where top rail is less than 5-3/4" (146 mm)
- Requires minimum 2" (51 mm) top rail
- Installations require a SPECIAL TEMPLATE



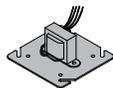
**4040SE-81**  
Conduit Quick-Connector

- Two piece connector for use with 1/2" conduit



**4040SE-3034SE**  
Track Roller & Track Slider

- Quiet, low friction roller assembly
- Shoulder dimension "X" = 1/8" (3 mm)
- Alloy metal slider for use in SE series tracks only



**4040SE-3210**  
Transformer

- Reduces line voltage from 120V to 24V AC
- Mounted on cover for 4" (102 mm) x 4" x 2-1/8" (54 mm) junction box (by others)

## Deadbolt designs

### B600 Series

Schlage's toughest heavy duty Grade 1 commercial deadbolt.

Furnished with conventional cylinder standard.

Also available with full size interchangeable core cylinder or small format interchangeable core (SFIC) cylinder.

Requires 2 1/8" (54mm) prep. UL10B and UL 10C listing standard for auxiliary lock on A label fire doors. Not all functions available as fire rated auxiliary locks. See function charts for required cross bore dimensions.



### B700 Series

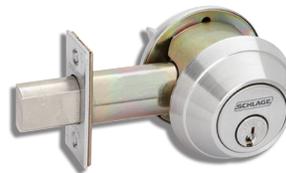
Same lock as B600 Series but furnished with Primus XP controlled access cylinder for patented key control, geographical exclusivity and resistance to picking and impressioning. Also available with Primus XP full size interchangeable core cylinder.



### B800 Series

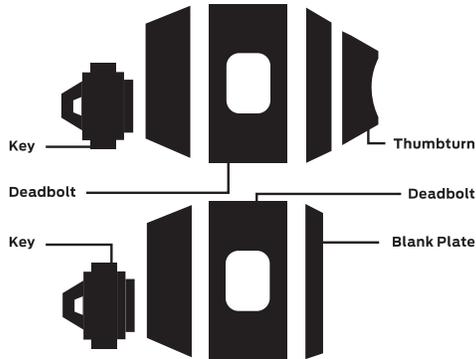
Same lock as B700 Series but Primus XP high security cylinder is UL437 listed to resist drilling and other forms of physical attack. Not available in interchangeable core.

All designs shown in 626 satin chrome



# Deadbolt functions

ANSI A156.36 bored deadbolt locks grade 1



-  Standard cylinder.
-  FSIC - full size interchangeable core option.
-  SFIC - small format interchangeable core option.
-  Complies with ADA accessibility guidelines.

**\*Caution:**

Double cylinder locks on any door are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

**ADA compliant:**

Schlage Lock Company offers a wide selection of locks designed to meet the Americans with Disabilities Act.

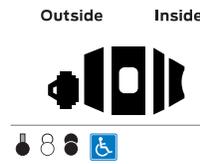
Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

## B600 Series

Schlage ANSI  
**B660P E0151**

### Single cylinder deadbolt

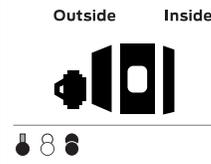
- Deadbolt thrown or retracted by key outside or thumbturn inside



Schlage ANSI  
**B661P E0161**

### One-way deadbolt

- Deadbolt thrown or retracted by key outside
- Blank plate with exposed screws inside

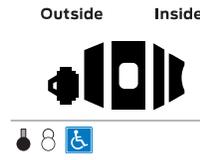


## B700 Series

Schlage ANSI  
**B760P E0151**

### Single cylinder deadbolt

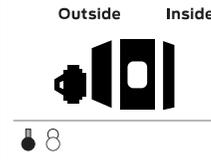
- Deadbolt thrown or retracted by key outside or thumbturn inside



Schlage ANSI  
**B761P E0161**

### One-way deadbolt

- Deadbolt thrown or retracted by key outside
- Blank plate with exposed screws inside

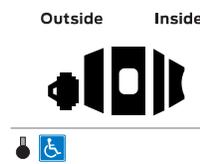


## B800 Series

Schlage ANSI  
**B860P E0151**

### Single cylinder deadbolt

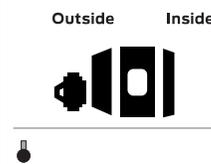
- Deadbolt thrown or retracted by key outside or thumbturn inside



Schlage ANSI  
**B861P E0161**

### One-way deadbolt

- Deadbolt thrown or retracted by key outside
- Blank plate with exposed screws inside



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## Mortise lock comparison

## L mechanical

**Applications**

The Schlage L Series has long been the benchmark for mortise locks. Beyond strength and security – it offers tremendous flexibility to allow it to meet the needs of most every application.

The ability to suite across electronic, tubular, exit trim, and multi-point locks allows the Schlage L Series mortise lock to integrate seamlessly into any environment.

**Key features**

- Exceeds ANSI/BHMA Grade 1 operational and security standards
- Expansive list of configurations and options, including retrofit indicators
- 50 standard mechanical functions, custom functions also offered
- “The Original” universal lock case allows creation of 10 functions from a single lock body
- 14 finishes and 33 levers, two knobs, five roses and three escutcheon designs
- Supports standard, SFIC and FSIC cylinder formats
- Multiple key systems available – open, patented, restricted, geographic exclusive, UL 437

4 • Schlage • L Series

## L wired electrified

**Applications**

The wired electrified L Series is ideal for new construction and high traffic areas where hardwired power ensures continuous operation and where electrified door prep, hinges and wiring can easily be incorporated into the building.

The electrified L Series is regularly used as part of an access control system for high security areas, or independently in areas that require a remote access switch.

**Key features**

All mechanical features plus:

- Auto-detect 12/24 VDC
- Selectable EL/EU
- 10 electrified functions
- Advanced features: RX, DPS, latchbolt monitor and deadbolt monitor for application flexibility
- Leading energy efficiency that eliminates “hot levers”
- Advanced motor-driven electrified functions – quieter, smoother, more secure operation

## LE wireless electronic

**Applications**

The Schlage LE wireless mortise lock with ENGAGE™ technology is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings.

The LE is ideal for commercial real estate, K-12, higher education, assisted living, medical offices, or multi-family applications. Facilities can benefit from the enhanced security, efficiency, and convenience of upgrading to electronic credentials.

**Key features**

All mechanical features' plus:

- Six functions with LED indicator, deadbolt, and interior pushbutton options
- Sectional and escutcheon trim options
- 31 levers, 2 knobs and 9 finishes
- Integrated multi-technology card reader, door position sensor (DPS) and request to exit (RX)
- Built-in Bluetooth® enables wireless configuration from smart phones/tablets
- Built-in Wi-Fi® enables automatic daily updates sent directly from host software
- Capable of networked real-time communication with the ENGAGE Gateway and software alliances
- Up to 2 years of battery life

Designs and finishes

The Standard Collection

The Standard Collection levers can be paired with exit devices and locks from our trusted Schlage and Von Duprin brands. And, they are built to the same exacting standards. Our Standard Collection levers offer a more traditional style that is appropriate for use in a number of commercial applications.

<p><b>01</b> ♿</p>	<p><b>02</b> ♿</p>	<p><b>03</b> ♿</p>
<p><b>05</b> ♿</p>	<p><b>06</b> ♿</p>	<p><b>07</b> ♿</p>
<p><b>12</b> ♿</p>	<p><b>17</b> ♿</p>	<p><b>18</b> ♿</p>
<p><b>Accent</b> ♿</p>	<p><b>Asti</b> ♿</p>	<p><b>Latitude</b> ♿</p>

Note: Levers shown with Schlage L Series mortise "A" rose. Knobs shown with rose that is unavailable in the L Series. Additional rose and escutcheon designs available.

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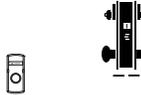
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L Series mechanical lock functions

Double cylinder non-deadbolt functions

Schlage	ANSI	Schlage	ANSI	Schlage	ANSI	Schlage	ANSI
<b>L9060</b> <b>LV9060</b>	<b>F09</b>	<b>L9071</b> <b>LV9071</b>	<b>F32</b>	<b>L9077</b> <b>LV9077</b>	<b>-</b>	<b>L9082</b> <b>LV9082</b>	<b>F30</b>
<b>Apartment entrance lock</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside</li> <li>When locked, latchbolt retracted by outside key or inside knob/lever</li> <li>Auxiliary latch deadlocks latchbolt when door is closed</li> <li>Inside lever always free for immediate egress</li> </ul>		<b>Classroom security lock</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side</li> <li>When locked, latchbolt retracted by outside key or inside knob/lever</li> <li>Auxiliary latch deadlocks latchbolt when door is closed</li> <li>Inside lever always free for immediate egress</li> </ul>		<b>Classroom security holdback lock</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side</li> <li>When locked, latchbolt retracted by outside key or inside knob/lever</li> <li>Auxiliary latch deadlocks latchbolt when door is closed</li> <li>Rotate inside lever/knob and turn key 360° to enable holdback feature</li> <li>Inside lever always free for immediate egress</li> </ul>		<b>Institution lock*</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by key from either side</li> <li>Knob/lever on both sides always inoperative</li> <li>Auxiliary latch deadlocks latchbolt when door is closed</li> </ul>	
							
<b>Double cylinder deadbolt functions</b>		<b>L9457</b> <b>LV9457</b> <b>F33</b> <b>Classroom security lock with deadbolt</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by lever/knob from either side</li> <li>Deadbolt actuated by either key</li> <li>Throwing deadbolt locks outside lever/knob</li> <li>Actuating inside lever/knob retracts both deadbolt and latchbolt and unlocks outside lever</li> <li>Inside lever always free for immediate egress</li> </ul>		<b>L9458</b> <b>LV9458</b> <b>F34</b> <b>Classroom security lock w/ deadbolt and auxiliary latch</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by knob/lever from either side</li> <li>Deadbolt actuated by either key</li> <li>When door is locked outside lever inoperative</li> <li>Inside lever retracts deadbolt and latchbolt and unlocks outside lever</li> <li>Auxiliary latch deadlocks latchbolt when door is closed</li> <li>Inside lever always free for immediate egress</li> </ul>		<b>L9466</b> <b>F14</b> <b>Store/utility room lock with deadbolt*</b> <ul style="list-style-type: none"> <li>Latchbolt retracted by knob/lever from either side</li> <li>Deadbolt actuated by either key</li> </ul>	
							

\* **Caution:** Double cylinder locks on residences and any door in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

- Overview
- Key features
- Trims and finishes
- Mechanical**
- Wired electrified
- Wireless electronic
- Multi-point
- Key systems and credentials
- Parts
- Ordering and specifications



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Selection guide

Key features

Trims and finishes

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Wired electrified

Wireless electronic

Keys and credentials

Parts

Specifications

# The Schlage® ND Series cylindrical locks

Walter Schlage invented the cylindrical lock in 1920. Since then, Schlage Lock Company has consistently delivered innovation and continuous improvement. In that tradition, we are extremely proud to introduce the redesigned ND Series cylindrical lock.

Most manufacturers' approach to locks ends with simply meeting industry standards like Grade 1. With the Schlage ND, Grade 1 is just the beginning.

### Performance beyond Grade 1

The Schlage® ND family significantly exceeds BHMA Grade 1 requirements for cycle, lever torque, hammer blow, lever pull and other tests. This means confidence that the lock will last—whether the application calls for high abuse resistance or just operation over millions of cycles—without any degradation in performance.

### Comprehensive offering for every opening

Mechanical, wired electrified and wireless electronic solutions allow a common aesthetic and consistent user experience throughout the building while lowering the total cost of ownership.

### World-class design

A proven, easy to install product with extensive function, keying, trim and finish capabilities that work in nearly any applications.



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Cylindrical lock comparison

ND  
mechanical



**Applications**

The Schlage ND is extremely versatile and is regularly used in healthcare, education, government, office, retail and other commercial applications.

With 31 mechanical functions, the ND's range spans from the simple (non-locking passage) to complex (double-cylinder security) to specialized (school time-out lock).

Because the ND uses an ANSI 161 door prep, commonly used across cylindrical locks, it is ideal for both new construction and retrofit applications.

**Key features**

- Significantly exceeds ANSI/BHMA A156.2 requirements for Grade 1 cylindrical locks
- 31 mechanical functions (see adjacent columns for wired electrified and electronic options)
- Nine lever designs, two rose designs
- 10 available finishes
- Supports standard, SFIC and FSIC cylinder formats
- Multiple key systems available – open, patented, restricted, geographic exclusive, UL437
- Support for 10 non-Schlage cores (see cylinder section)

1 NDE wireless electronic lock available in seven lever designs, one rose design, and nine finishes only.  
2 Requires ENGAGE™ Gateway and alliance access control software.

ND wired  
electrified



**Applications**

Wired electrified locks complement the mechanical offering and are typically incorporated into a wired access control system or used independently with a remote access switch (e.g. switch behind a receptionist desk).

The electrified ND is ideally used in:

- high traffic areas, where line power ensures continuous operation
- new construction, where electrified door prep, hinges and wiring can easily be incorporated into the building

**Key features**

All mechanical features plus:

- auto-detecting 12-24VDC input
- selectable EL/EU operation
- low 0.23 amp max current draw that allows multiple locks on a single power supply
- low 0.010 amp holding current that eliminates “hot levers” in electrically locked applications
- modular Request to Exit (RX) that can be added at any time
- inventory friendly—one lock supports 12-24V, EL or EU, with or without RX
- six electrified functions for application flexibility

NDE wireless  
electronic



**Applications**

Wireless electronic locks complete the offering by delivering all of the access control system hardware components required at the door in a single integrated design.

NDE wireless lock applications include:

- retrofit applications where electronic credentials can be used for improved visibility and control
- new construction to expand the scope of access control to interior openings
- low to medium traffic areas, where battery power delivers long life

**Key features**

All mechanical features<sup>1</sup> plus:

- Fits standard ANSI 161L mechanical door prep
- Installs in minutes with only a Phillips screwdriver
- Integrated card reader, door position sensor and Request to Exit (RX) switch
- Built-in Bluetooth® enables wireless configuration from smart phones and tablets
- Built-in Wi-Fi enables automatic updates to access rights
- Capable of networked real-time communication<sup>2</sup>
- Up to 2 years of battery life (4 AA)

3 • Schlage • ND Series

Selection guide

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Mechanical

Wired electrified

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Keys and credentials

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Specifications



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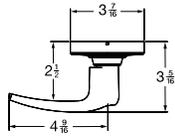
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Designs and finishes

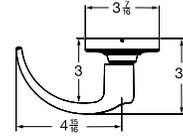
# Lever designs and finishes

Athens (ATH)<sup>2</sup>



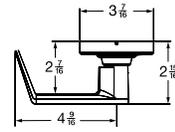
- Mechanical
- Wired electrified
- Wireless electronic

Sparta (SPA)<sup>1,2</sup>



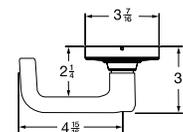
- Mechanical
- Wired electrified
- Wireless electronic

Rhodes (RHO)<sup>1,2</sup>



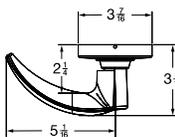
- Mechanical
- Wired electrified
- NDE wireless electronic

Tubular (TLR)<sup>1,2</sup>



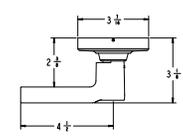
- Mechanical
- Wired electrified
- Wireless electronic

Omega (OME)<sup>1</sup>



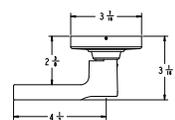
- Mechanical
- Wired electrified
- Wireless electronic

Latitude (LAT)



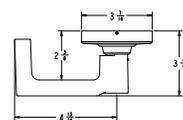
- Mechanical
- Wired electrified
- Wireless electronic

Broadway (BRW)



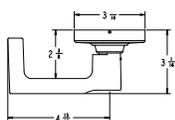
- Mechanical
- Wired electrified
- Wireless electronic

Longitude (LON)



- Mechanical
- Wired electrified
- Wireless electronic

Boardwalk (BWK)



- Mechanical
- Wired electrified
- Wireless electronic

All levers comply with the Americans with Disabilities Act (ADA).

- 1 Boardwalk, Longitude, Omega, Rhodes, Sparta and Tubular levers comply with California State code for return within 1/2" of door face.
- 2 Athens, Rhodes, Sparta and Tubular levers support cylinders from other manufacturers, see cylinder section on page 24 for details.

Finish options										
Color	Bright brass	Satin brass	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Aged bronze	
ANSI/BHMA number	605	606	612	613	619	622	625	626/626AM	643e	
US number	US3	US4	US10	US10B	US15	US19	US26	US26D	US11	
Mechanical	■	■	■	■	■	■	■	■	■	■
Wired electrified	■	■	■	■	■	■	■	■	■	■
Wireless electronic	■	■	■	—	■	■	■	■	■	■

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.



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# ND Series mechanical lock

The ND mechanical lock, along with being Schlage's best selling mechanical lock, is the foundation for both the wired electrified and NDE wireless electronic lock. Not only did Schlage invent the cylindrical lock, but we continue to make it better with capabilities such as:

- Unparalleled strength - the lock prevents access even when subjected to torque loads up to 3,100 in-lbs (2.6x BHMA<sup>1</sup>), withstands pry bar attacks of 1,600 lbs (8x BHMA requirements<sup>1</sup>), and withstands 100 hammer blows (20x BHMA requirements<sup>1,2</sup>)
- Exceptional durability - cycle tested to over 16M cycles (16x BHMA requirements<sup>1</sup>) with near zero droop or wobble - without the use of set screws or O-rings
- Improved feel - improved strength and durability are more than numbers, you can actually feel it in the lock
- Improved installation - installation is even easier than before (and without any set screws or O-rings)

All this is in addition to what you know and expect with the Schlage ND: 31 mechanical functions (plus wired electrified and wireless electronic) to meet the needs of any application; nine lever designs that suite with other Schlage locks and Von Duprin exit devices; renowned sales, customer and technical support.



1 Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC & SFIC). Performance with non-Schlage cylinders will exceed BHMA grade 1 requirements but may be less than the performance of products with Schlage cylinders.

2 Vertical impact testing stopped after 100 blows with no sign of failure or stress.



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**ND Series mechanical lock**  
**Keyed function list**

<p>Schlage ANSI <b>ND50PD F82</b> <b>Entrance/office lock</b></p> <ul style="list-style-type: none"> <li>• Push-button locking.</li> <li>• Push-button locks outside lever until it is unlocked with key or by turning inside lever.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND53PD F109</b> <b>Entrance lock</b></p> <ul style="list-style-type: none"> <li>• Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked.</li> <li>• Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND60PD F88</b> <b>Vestibule lock</b></p> <ul style="list-style-type: none"> <li>• Latch retracted by key from outside when outside lever is locked by key in inside lever.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND66PD F91</b> <b>Store lock†</b></p> <ul style="list-style-type: none"> <li>• Key in either lever locks or unlocks both levers.</li> </ul> <p>Outside Inside</p> 
<p>Schlage ANSI <b>ND70PD F84</b> <b>Classroom lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever locked and unlocked by key.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND73PD F90</b> <b>Corridor lock</b></p> <ul style="list-style-type: none"> <li>• Locked or unlocked by key from outside.</li> <li>• Push-button locking from inside.</li> <li>• Turn inside lever or close door to release button.</li> <li>• When outside lever is locked by key it can only be unlocked by key.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND75PD -</b> <b>Classroom security lock</b></p> <ul style="list-style-type: none"> <li>• Key in either lever locks or unlocks outside lever.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p> 	<p>Schlage ANSI <b>ND80PD F86</b> <b>Storeroom lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever is fixed.</li> <li>• Entrance by key only.</li> <li>• Inside lever always free for immediate egress.</li> </ul> <p>Outside Inside</p>  <p>Available with RX</p>

**Conventional cylinders**

# Cylinders for exit devices, aluminum doors, etc.



**Cylinders for Adams Rite MS 4500 and 4700 Series  
Lori 4500 Series and Corbin Russwin DL3000 Series**

Number	Pins	Cylinder mechanism
26-072	6	Standard pin and tumbler
20-013	6	Standard pin and tumbler with 3/8" blocking ring
91-060	7	SL cylinder (restricted Everest 29 R and Everest B only)
20-706	6	Primus cylinder with 3/8" blocking ring
20-718	6	Primus lockout cylinder
20-506	6	Primus UL 437 listed high security cylinder with 3/8" blocking ring
20-518	6	Primus UL 437 listed lockout cylinder
20-706-XP	6	Primus XP cylinder with 3/8" blocking ring
91-758-XP	7	Primus XP SL cylinder (restricted Everest 29 R and Everest B only)
20-718-XP	6	Primus XP lockout cylinder
20-506-XP	6	Primus XP UL 437 listed high security cylinder with 3/8" blocking ring
20-518-XP	6	Primus XP UL 437 listed lockout cylinder

**Notes:**

- These cylinders include set screw pack B220-050 for Adams Rite locks.
- 1 1/8" length standard. Optional lengths available in 1/8" (4mm) increments up to 1 3/4" (44mm).
- Lockout keys must be ordered separately and lockout cylinders will not be master keyed by Schlage.

**Cylinders for Adams Rite 4070 Series**

Number	Pins	Cylinder mechanism
26-073	6	Standard pin and tumbler
91-061	7	SL cylinder (restricted Everest 29 R and Everest B only)
20-708	6	Primus
91-759-XP	6	Primus UL 437 listed high security
20-708-XP	6	Primus XP
91-759-XP	7	Primus XP SL cylinder (restricted Everest 29 R and Everest B only)
20-508-XP	6	Primus XP UL 437 listed high security

**Note:**

- 1 1/8" length standard. Optional lengths available in 1/8" (4mm) increments up to 1 3/4" (44mm).



**B502-292**

Cam for classic conventional prior to July 2010



**L583-446**

Modular cylinder lengths 1 1/8", 1 3/8" and 1 5/8"



**L583-773**

Modular SL cylinder length 1 1/8"



**B502-944**

Cam for Everest 29 and Primus XP prior to July 2010



**L583-447**

Modular cylinder lengths 1 1/4", 1 1/2" and 1 3/4"



**L583-774**

Modular SL cylinder length 1 1/4"



**B502-380**

Cam for classic conventional prior to July 2010



**B520-743**

Modular cylinder lengths 1 1/8", 1 3/8" and 1 5/8"



**B520-788**

Modular SL cylinder length 1 1/8"



**B502-945**

Cam for Everest 29 and Primus XP prior to July 2010



**B520-744**

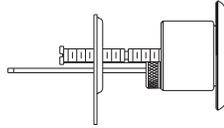
Modular cylinder lengths 1 1/4", 1 1/2" and 1 3/4"



**B520-789**

Modular SL cylinder length 1 1/4"

Cylinders for exit devices, aluminum door, etc.



Rim cylinders			
Number	Tailpiece	Pins	Cylinder mechanism
20-021	Vertical	6	Standard pin and tumbler
20-022	Horizontal		
91-074	Vertical	7	SL cylinder (restricted Everest 29 R and Everest B only)
91-075	Horizontal		
20-709	Vertical	6	Primus
20-710	Horizontal		
20-716	Horizontal	6	Primus lockout
20-509	Vertical	6	Primus UL 437 listed high security
20-510	Horizontal		
20-516	Horizontal	6	Primus UL 437 listed lockout
20-709-XP	Vertical	6	Primus XP
20-710-XP	Horizontal		
91-774-XP	Vertical	7	Primus XP SL cylinder (restricted Everest 29 R and Everest B only)
91-775-XP	Horizontal		
20-716-XP	Horizontal	6	Primus XP lockout
20-509-XP	Vertical	6	Primus XP UL 437 listed high security
20-510-XP	Horizontal		
20-516-XP	Horizontal	6	Primus XP UL 437 listed lockout

Notes

- 1 1/8" length standard. Optional lengths available in 1/8" (4mm) increments up to 1 3/4" (44mm).
- Lockout keys must be ordered separately and lockout cylinders will not be master keyed by Schlage.

Mortise and rim cylinder finish options

Bright brass (605)	Satin brass (606)	Antique brass (609)	Satin bronze (612)	Oil rubbed bronze (613)	Satin nickel (619)	Matte black (622)	Bright chrome (625)	Satin chrome (626)	Bright stainless steel (629)	Satin stainless steel (630)	Aged bronze (643e)
Faceplate	Faceplate and plug	Faceplate	Faceplate	Faceplate	Faceplate	Faceplate and plug	Faceplate	Faceplate and plug	Faceplate	Faceplate	Faceplate and plug

Selection guide

Classic

Everest 29

Primus XP

Cylinders | Cores

Camls | Keys

Equipment

Ordering | Other



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25



# B600/700/800 Series

## Grade 1 Deadbolts

### OVERVIEW

Schlage® commercial grade 1 deadbolts are designed for security, durability and beauty. They feature a thick, anti-saw hardened steel bolt with anti-pry, anti-wrench and other protections to make it one tough lock. Optional single- or dual-sided lock status indicator trim features Schlage's patented 180-degree visibility. The large window size and red/white background messaging assures easy readability for even the color blind.

**600 Series:** Grade 1 deadbolt furnished with Conventional cylinder standard. Also available with Full Size Interchangeable Core (FSIC) or Small Format Interchangeable Core (SFIC).

**700 Series:** Features the upgraded security of patented Primus RP in Classic Obverse keyways (FSIC or Conventional) or Primus XP in patented Everest 29 keyways (FSIC or Conventional including SL cylinders). Primus levels of security add an independent sidebar and finger pin locking mechanism for resistance to picking, bumping and impressioning.

**800 Series:** Utilizes a Conventional format Primus XP UL 437 high security cylinder which features added hardened steel drill pins to resist drilling and other forms of physical attack.



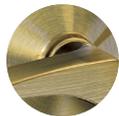
### FINISHES



605  
Bright Brass



606  
Satin Brass



609  
Antique Bronze



612  
Satin Bronze



613  
Oil Rubbed  
Bronze



619  
Satin Nickel



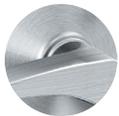
622  
Matte Black



625  
Bright Chrome



626  
Satin Chrome



626AM  
Satin Chrome  
Antimicrobial



643e  
Aged Bronze

e = an equivalent finish to the BHMA standard.



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## INDICATORS

### Inside Trims



Thumbturn



Key cylinder

### Outside Trims



Coin turn



Key cylinder

#### Available Messages

	LOCKED	OCCUPIED
	UNLOCKED	VACANT
Inside trim	IS-LOC	IS-OCC
Outside trim	OS-LOC	OS-OCC
Inside trim (Française)	IS-LOCFR	IS-OCCFR
Outside trim (Française)	OS-LOCFR	OS-OCCFR

Note: Spanish language options available via RFQ.

## DIMENSIONS

### Standard Trim

#### Conventional Key Cylinder

Thumbturn side		Cylinder side	
Rose diameter	2.57"	Trim ring diameter	2.54"
Projection	1.22"	Projection	0.85"

#### FSIC/SFIC Key Cylinder

Thumbturn side		Cylinder side	
Rose diameter	2.57"	Trim ring diameter	2.54"
Projection	1.22"	Projection	1.12"

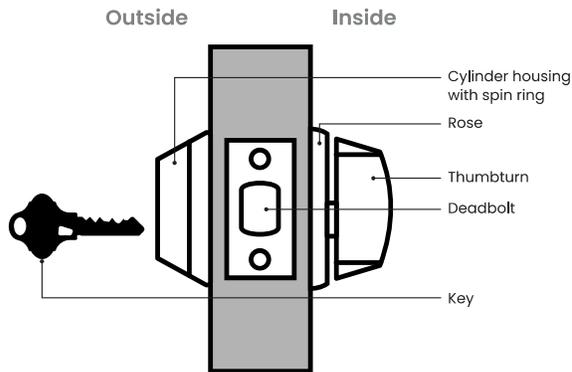
### Indicator Trim

#### Conventional/FSIC/SFIC Key Cylinder

Escutcheon		Projection	
Height	4.125"	Thumbturn side	1.32"
Width	2.54"	Cylinder side	1.28"

## LOCK FUNCTIONS

### Legend



### Key



Inside lock status indicator available



Outside lock status indicator available

### Product Identification Guide

**B660**

Lock series

Function code

B600 = Basic and enhanced security  
B700 = Primus upgraded security  
B800 = Primus high security



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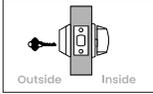
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## LOCK FUNCTIONS

**Schlage**  
B660  
B760  
B860



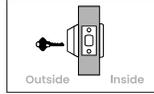
**Single cylinder deadbolt**

- Key cylinder outside; thumbturn inside
- Deadbolt thrown or retracted by key outside or thumbturn inside
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
E0151

**Schlage**  
B661  
B761  
B861



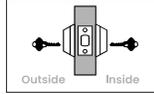
**Cylinder x blank plate deadbolt**

- Key cylinder outside; blank plate inside
- Deadbolt thrown or retracted by key outside
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
E0161

**Schlage**  
B662  
B762  
B862



**Double cylinder deadbolt**

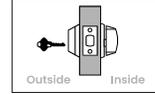
- Key cylinder both sides
- Deadbolt thrown or retracted by key from either side
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

Caution: Double cylinder locks on any door, in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
E0141

**Schlage**  
B663  
B763  
B863

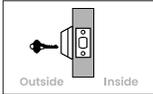


**Classroom deadbolt**

- Key cylinder outside; thumbturn inside
- Deadbolt thrown or retracted by key outside
- Thumbturn inside can only retract deadbolt
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**Schlage**  
B664  
B764  
B864



**Cylinder only deadbolt**

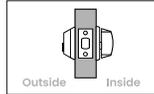
- Key cylinder outside; no inside trim
- Deadbolt thrown or retracted by key outside

Note: Available in Conventional cylinder format only.

Note: 1-1/2" bore only.

**ANSI**  
E0101

**Schlage**  
B672



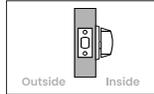
**Door bolt with coin turn**

- Coin turn outside; thumbturn inside
- Deadbolt thrown or retracted by thumbturn inside
- A flat screwdriver inserted in the coin turn outside can also retract deadbolt
- When installed with optional lock status indicator trim, in unlocked state message displays on white background; in locked state on red background

To order configured with indicator specify function and note indicator code as a special option.

**ANSI**  
-

**Schlage**  
B680



**Door bolt**

- No outside trim; thumbturn inside
- Deadbolt thrown or retracted by thumbturn inside

Note: 1-1/2" bore only.

**ANSI**  
E0191

## 33A/35A Rim device



**1439** Roller strikes standard, optional strikes available



**299** Strike needs to be specified for Hollow Metal Frames

**33A and 35A** for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

**Finishes** – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

### Specifications

Device lengths	<b>3'</b> 2' 4" to 3' (711mm to 914 mm) Door size <b>4'</b> 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 9/16" (1011 mm) 39 7/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 1/16" x 2 13/32" (208mm x 40mm x 62mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 1/2" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	<b>ALK</b> Alarm kit <b>CX</b> Chexit delayed exit <b>EL</b> Electric latch retraction <b>HD-EL</b> Electric latch retraction with hex dogging <b>QEL</b> Quiet electric latch retraction <b>RX</b> Request to exit, WP-RX waterproof option <b>LX</b> Latchbolt monitoring <b>LX-RX</b> Request to exit / latchbolt monitoring <b>RX-LC, LX-LC, LX-RX-LC</b> Low current option for RX, LX, LX-RX <b>SS</b> Signal switch <b>CON</b> Allegion Connect
Mechanical options	<b>AX</b> Accessible device
Miscellaneous options	<b>GBK</b> Glass bead kit <b>PN</b> Pneumatic <b>SG</b> Safety glow <b>SEC</b> Security screws <b>SNB</b> Sex bolts
Dogging feature	<b>Hex Dogging standard</b> <b>CD</b> Cylinder dogging <b>LD</b> Less dogging
Strikes	<b>1439</b> – Dull black <b>Optional strikes</b>

**QEL**  
**Quiet electric latch retraction**

- Bolt retraction via switch
- Converts exit door to push-pull operation

**AX**  
**Accessible device**

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

**CX**  
**Chexit delayed exit**

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

**ALK**  
**Alarm exit kit**

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

**EL**  
**Electric latch retraction**

- Enables remote unlatching
- Alternative to manual dogging

**RX**  
**Pushpad monitor switch**

- Signals use of an opening
- SPDT switch to monitor pushpad

**E (E360L)**  
**Electric lever trim**

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

**CON**  
**Allegion Connectors**

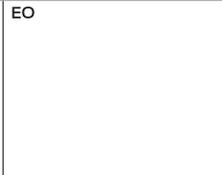
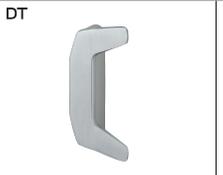
- Common connectors to connect various door hardware all the way to the power supply

**PN**  
**Pneumatic latch retraction**

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

**CD**  
**Cylinder dogging**

- Replaces hex key dogging
- Requires standard 1 1/2" mortise cylinder

Standard trim				
	EO	DT	NL	NL-OP
				
	No outside trim Exit only	Dummy trim Pull when dogged	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP
Trim description	—	386DT	386NL	388
Base size	—	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>16</sub> " (190x43mm)
Grip size	—	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	—
Projection	—	2 <sup>7</sup> / <sub>16</sub> " (62mm)	2 <sup>7</sup> / <sub>16</sub> " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x360L-DT x550DT x IVES 8190	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
	Lever Key Locks and Unlocks	Lever Blank Escutcheon Always Operable (No Cylinder)	Thumbturn Key Locks and Unlocks	Thumbturn Always Operable (No Cylinder)
Product description	33A-L 35A-L	33A-L-BE 35A-L-BE	33A-T 35A-T	33A-T-BE 35A-T-BE
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 <sup>1</sup> / <sub>4</sub> " Mortise	—	1 <sup>1</sup> / <sub>4</sub> " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate

**Notes**



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Oakville, L6H 5V1

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**CDH**

Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

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## Device types

### 98-F/99-F Rim exit device



98-F and 99-F Rim fire exit devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch).

#### Specifications

Device functions	Device ships EO/DT/N; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors; Optional 425 SNB available for metal doors; 425 and 825 SNB required on wood doors without SLM blocking (See page 64 for quantities)

#### Accessories



**299F Strike**  
Ships standard, optional strikes available



**499F Strike**  
With 9854/9954 mullion

#### Features and options

##### Electrified options

<b>LX</b>	Latch bolt monitor switch
<b>RX</b>	Request to exit
<b>RX2</b>	Double request to exit
<b>E</b>	Electric locking and unlocking trim
<b>EL</b>	Electric latch retraction
<b>ESL</b>	Emergency secure lockdown
<b>QEL</b>	Quiet electric latch retraction
<b>SS</b>	Signal switch
<b>CX</b>	Chexit delayed exit
<b>ALK</b>	Alarm exit kit
<b>WP-RX</b>	Waterproof request to exit
<b>CON</b>	Alliegion Connect

##### Mechanical options

<b>-2</b>	Double cylinder
<b>-2SI</b>	Double cylinder with security indicator
<b>AX</b>	Accessible device
<b>GBK</b>	Glass bead kit
<b>PN</b>	Pneumatic latch retraction
<b>QM</b>	Quiet mechanical
<b>SNB</b>	Sex bolts
<b>SEC</b>	Security screws
<b>SLM</b>	Special laminate material blocking
<b>WH</b>	Weep holes
<b>XP</b>	Extra protection

##### Dogging option

No mechanical dogging;  
QEL options available

##### Strikes

**299F** – Dull black, 499F with mullions

Introduction

How to order

Device types

Trim options

Mechanical options

Electrified options

Accessories

Additional Information

## Trim options

### 996 trim



#### Trim description

Nomenclature	996EO	996L*	996L-NL*	996L-BE*	996L-DT
Trim function	Exit only plate	Lever	Lever-night latch	Lever-blank escutcheon	Lever-dummy trim
Function description	Exit only plate	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged
ANSI function	01	08	03	14	02

#### Device compatibility

98/99 Rim/Rim-F	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■
98/9927/27-F	■	■	■	■	■
98/9947/47-F	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■
98/9948/48-F	■	■	■	■	■
98/9949/49-F	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■
98/9952†	†	†	†	†	†
98/9957/57-F	■	■	■	■	■
98/9975/75-F	■	■	■	■	■

#### Dimensions

Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70 x 273 x 21mm)				
Pull center to center	—				
Projection	—	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)

#### Handing

—	Handed/reversible	Handed/reversible	Handed/reversible	Handed/reversible
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#### Cylinder type

Rim or vertical device	—	Rim	Rim	—	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—	—

\* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996L-R/V or 996L-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

## Mullions

### Mullions

**Removable steel mullions** Mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of  $\frac{1}{8}$ " (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

**KR – Keyed removable steel mullions** make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses a  $\frac{1}{4}$ " mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR".

**Removable aluminum mullions** are  $\frac{1}{16}$ " (27mm) wide on face closest to the door and  $2\frac{1}{8}$ " (60mm) at the widest point. The depth is  $3\frac{1}{8}$ " (79mm) with a wall thickness of  $\frac{1}{8}$ " (3mm).

Aluminum mullions are available in 606, 612, 628, 710 and 622/711 finishes. Consult factory for other powder coat finish options.

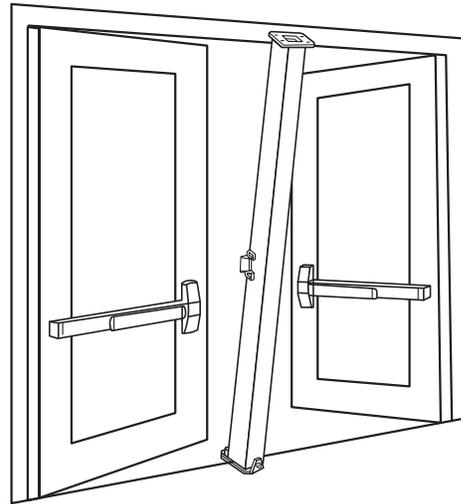
Stock Hollow Metal Applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

Blank Mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

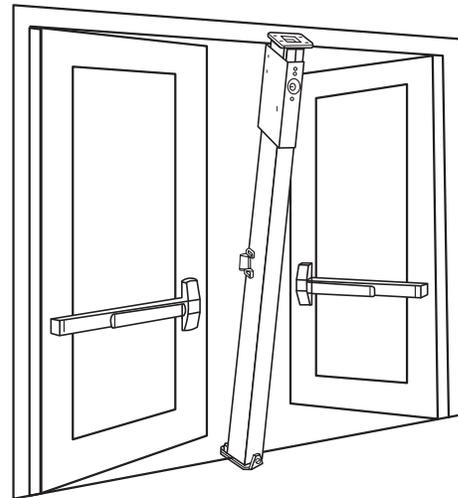
#### To order, specify:

1. For keyed removable option on steel mullions, prefix model number with "KR"
2. Model number.
3. Height of opening
4. Finish
5. Handing if required.
6. Centerline deviation (refer to device template for standard centerline).
7. Strikes, when required, should be ordered with device.

Removable mullions



Keyed removable steel mullions



237 & 237L Two Point Latch

## Mullions

### Steel mullions

**1654** Prepared for two 1606 strikes. **If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.**

**4954** Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices. **Note: specify strike choice with device.**

**9954** Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 33/35, 98-F, 99F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings,

22-F and 88-F devices are rated up to 8' x 8" (2438mm x 2438mm).

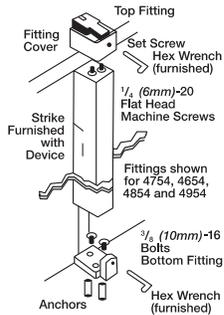
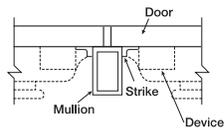
33A-F and 35A-F devices are rated up to 10'0" (3048 mm).

98-F and 99-F devices are rated up to 10'0" (3048mm).

**9954-XP** Prepared for two 954 strikes, for XP device.

**HH9954** Heavy-duty mullion for use in impact-rated hurricane assembly.

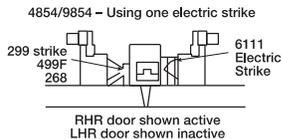
**Note:** If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.



**4754** Prepared for two 4263 monitor strikes.

**4854** Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.

**9854** Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin Fire Exit Rim Devices



### Aluminum mullions

**5654** Prepared for two 264 or 299 strikes. Includes one set of 154 stabilizers.

**5654-XP** Prepared for two 909 strikes, for XP device.

**5754** Prepared and furnished with one 1408 double door strike. Includes one 154 stabilizer set. Note: specify devices "less strike".

**Note:** All furnished with weatherstrip edging.

### Sizes for mullions

**1654, 4954, 4754, 4854, 5654, 5754 9854, 9954**

7' 2" (2184mm) 7' 3" (2210mm)

\*8' 2" (2489mm) 8' 3" (2475mm)

\*10' 2" (3099mm) 10' 3" (3124mm)

**KR1654, KR4954, KR4754, KR4854 KR9854\*\*, KR9954\*\*\***

7' 6" (2286mm) 7' 5" (2261mm)

8' 6" (2591mm) \*8' 5" (2565mm)

10' 6" (3200mm) \*10' 5" (3175mm)

\* Only qualifying applications will be provided with UL Label.  
\*\* Fire rated same as 9854  
\*\*\* Fire rated same as 9954

**Angle plate** is used with narrow transom frames. The plate attaches to the transom extending the surface area needed to mount the mullion. Must be ordered separately. Specify finish.



**154 Stabilizer** is a two-piece interlocking set. One piece mounts on the mullion with the top mounting hole 5<sup>3</sup>/<sub>16</sub>" (148mm) below the centerline of the strike; the other piece mounts on the door. Shims are provided to adjust for misalignment between the door and mullion.

The set maintains integrity between the door and mullion to prevent vandalism and to ensure contact between the device and strike as the doors expand and contract with temperature changes.

Furnished standard on aluminum mullions; optional for steel mullions.

**MT54 Storage kit** is a set of floor and wall brackets that provide convenient storage of the keyed removable mullion when removed from the opening.



### To order, specify

1. Model MT54.
2. Finish SP28, SP313, or SPBLK

## 6200 Series strikes for mortise or cylindrical devices

### Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6200 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C listed.

6200 Series electric strikes are designed for use with a variety of mortise or cylindrical locksets. It interfaces with the latch mechanism of the exit device. The 6200 Series movable lip (keeper) allows a door to open, even when the latch bolt is extended. This feature, called remote release provides added benefits such as increased convenience and efficiency. The 6200 Series also provides added security and traffic control.

6200 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown below. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

### Features and benefits

- Non handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- UL1034 Burglary-Resistant and UL10C Electric Strike for Fire Door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional

### 6200 Series power requirements

Models	Voltage	Current	Duty	Amps	Ohms
All	12V	DC	Continuous	0,60	21
All	16V	DC	Continuous	0,40	38
All	24V	DC	Continuous	0,33	83
All	28V	DC	Continuous	0,25	111

Continuous duty = Energized 1 minute or more

### Cylindrical lockset compatibility<sup>1,2,3</sup>

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 and 6226 Strikes

Manufacturer	Cylindrical latchbolt projection
Baldwin	1/2" - 3/4" (13mm - 19mm)
Best	3/8" - 3/4" (10mm - 19mm)
Corbin	1/2" - 3/4" (13mm - 19mm)
Falcon	1/2" - 3/4" (13mm - 19mm)
Russwin	1/2" - 3/4" (13mm - 19mm)
Sargent	1/2" - 3/4" (13mm - 19mm)
Schlage	3/8" - 3/4" (10mm - 19mm)
Yale	1/2" - 3/4" (13mm - 19mm)



### Mortise lockset compatibility<sup>1,2,3</sup>

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 and 6226 Strikes

Manufacturer	Model number
Von Duprin	7500
Adams Rite	4510, 4710
Baldwin	6000
Best	24H, 30H
Corbin	9000
Falcon	M2300, M2500, M2600, M3300, M3500, M3600
Precision	Mortise
Russwin	Mortise
Sargent	7700, 8100, 9000
Schlage	L9000, K30, K40, K50, K60
Yale	7030, 7130, 8600, 8700

### Mortise lockset compatibility<sup>1,3</sup>

6210

Manufacturer	Model number
Von Duprin	7500
Best	30H (not 45H/47H)
Corbin/Russwin	ML2200, 5000, 9000, CR2200 (not 2000)
Falcon	M100, M200, M300, M400, M500, M600
Sargent	7700, 8100 (not 7800/8200)
Schlage	L9000
Yale	8700 (not 8800)

1. Von Duprin cannot guarantee compatibility as other manufacturer's designs may change without notice.
2. Signalling may not function when using 3/8" (10mm) throw bolt. Deadlocking cannot be guaranteed with all locks.
3. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for assistance.

## 6300 Series surface mounted strike for rim exit devices

### Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6300 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed.

6300 Series electric strikes are designed for use with a variety of rim devices. It interfaces with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6300 Series also provides added security and traffic control.

6300 Series electric strikes are ideal for aftermarket applications. It is easy to install without modifying or altering the door frame. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The 6300 is fail-secure (FSE) only to achieve compliance with UL10C for fire-rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. The 6300 strike can be used with either 12VDC or 24VDC. There are 2 connectors that ship with it and the appropriate connector for either 12VDC or 24VDC will be used, based upon the available voltage at the opening.

### Features and benefits

- Non-handed design provides greater flexibility
- Requires no alteration or cutting to existing frame
- UL1034 burglary-resistant and
- UL10C electric strike for fire door
- Stainless steel (satin) finish
- Durable stainless steel construction
- Field selectable voltage 12VDC or 24VDC
- Dynamic strength 70 ft-lbs
- Endurance 2,000,000 cycles

### 6300 Series power requirements

Model	Voltage	Current	Duty	Amps	Ohms
6300	12V	DC	Continuous	0.50	22
6300	24V	DC	Continuous	0.24	89



### Rim exit device compatibility 6300 strikes

Manufacturer	Model Number
Von Duprin	VD 22/22-F Rim
Von Duprin	VD 33A/35A Rim*
Von Duprin	VD 55 Rim
Von Duprin	VD 88 Rim
Von Duprin	VD 98/99 and 98/99-F Rim
Falcon	Falcon 24/24-F Rim*
Falcon	Falcon 25/25-F Rim
Falcon	Falcon 19/19-F Rim
Falcon Doromatic	Falcon Doromatic 1590*
Falcon Doromatic	Falcon Doromatic 1790*
Falcon Doromatic	Falcon Doromatic 2090*

\* Style and frame condition may affect compatibility.

### Model specifications

Model number	6300
Retrofits model	N/A
Latchbolt throw	3/4"
Face plate length	9"
Projection	3/4"
Lockset	Rim exit device
Number of doors	Single or pair with mullion
Door/frame type	Hollow metal, aluminum and wood
EB (entry buzzer)	Optional
Certifications	UL1034, UL10C, UL 294, CSFM
Application notes	Surface mounted electric strike ideal for aftermarket applications. Strike designed for use with Von Duprin 98/99, however it can be used with most rim exit devices.

6300 Series surface mounted strike for rim exit devices

Von Duprin Door control and security hardware • 17

# CDH

Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

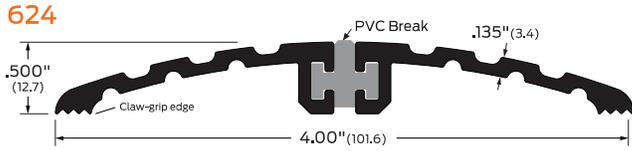
Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Thresholds

# Thermal break thresholds

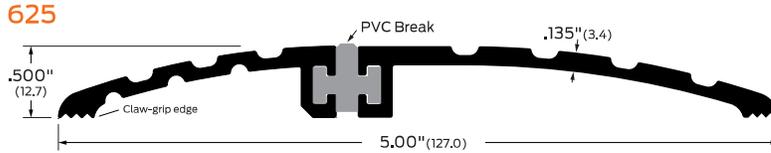


Automatic door bottoms



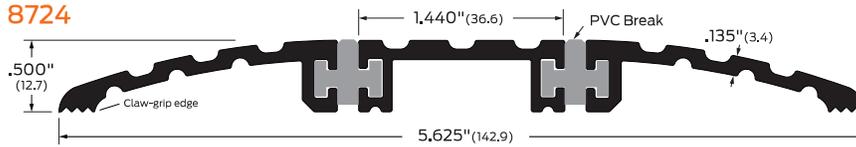
**624**  
**Finishes:** A, BK, D, G  
**Options:** E, EL, V3, EV3, ELV3  
**BHMA CERTIFIED**  
**ANSI/BHMA:** 624A, 624D, 624G, 624BK, 624A-E, 624D-E, 624G-D, 624BK-E  
 J32139  
 J32239

Perimeter seals



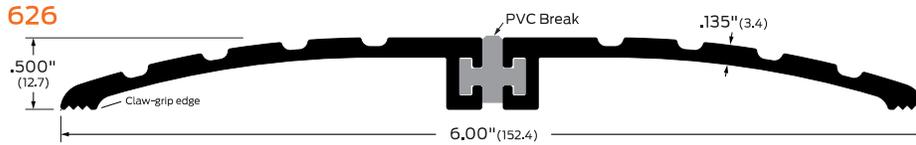
**625**  
**Finishes:** A, BK, D, G  
**Options:** E, EL, V3, EV3, ELV3  
**BHMA CERTIFIED**  
**ANSI/BHMA:** 625A, 625BK, 625D, 625G, 625A-E, 625BK-E, 625D-E, 625G-E  
 J32139  
 J32239

Weatherstripping



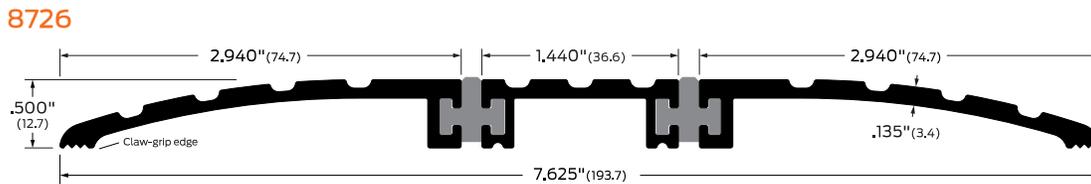
**8724**  
**Finishes:** A, BK, D, G  
**Options:** E, EL, V3, EV3, ELV3  
**BHMA CERTIFIED**  
**ANSI/BHMA:** 8724A, 8724D, 8724G, 8724BK, 8724A-E, 8724D-E, 8724G-E, 8724BK-E  
 J32139  
 J32239

Intumescent



**626**  
**Finishes:** A, BK, D, G  
**Options:** E, EL, V3, EV3, ELV3  
**BHMA CERTIFIED**  
**ANSI/BHMA:** 626A, 626D, 626G, 626BK, 626A-E, 626D-E, 626G-D, 626BK-E  
 J32139  
 J32239

Sound control



**8726**  
**Finishes:** A, BK, D, G  
**Options:** E, EL, V3, EV3, ELV3  
**BHMA CERTIFIED**  
**ANSI/BHMA:** 8726A, 8726D, 8726G, 8726BK, 8726A-E, 8726D-E, 8726G-E, 8726BK-E  
 J32139  
 J32239

Specialty applications

See Thresholds Accessories & options page for details.

**Finishes:**

- A** Aluminum mill finish
- BK** Aluminum black anodized
- D** Aluminum dark bronze anodized
- G** Aluminum gold anodized
- B** Bronze, architectural mill finish
- B-ORB** Oil-rubbed bronze

**Options:**

- E** Epoxy abrasive tread
- EL** Photoluminescent and abrasive epoxy tread
- V3** Full body strength fill
- EV3** Epoxy and full body strength fill
- ELV3** Photoluminescent and abrasive epoxy tread, full body strength fill

**Note:**

Special anchors available for mounting most thresholds on concrete surfaces.  
 Width dimensions for thresholds on this page are nominal. Slight variations may result from thermal break manufacturing.

Appendix



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25



Automatic door bottoms

# Heavy duty

Thresholds

Automatic door bottoms

Perimeter seals

Weatherstripping

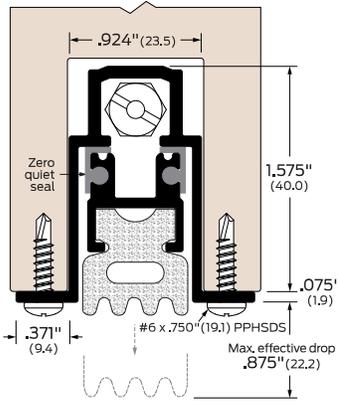
Intumescent

Sound control

Specialty applications

Appendix

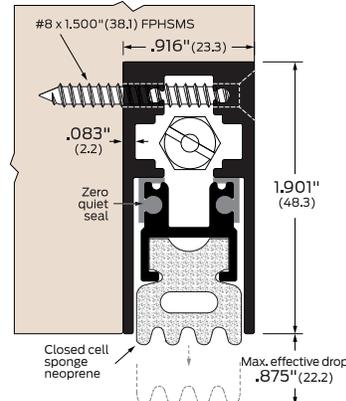
## 360



**Finishes:** AA  
**Options:** LS, Z49 End Cap, PL, NH  
**ANSI/BHMA:** 360AA R3C324

Mortised. Supplied with closed cell sponge neoprene. Note: Consult your local AHJ for maximum allowable door undercut.

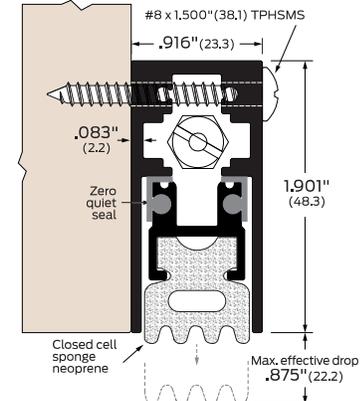
## 362



**Finishes:** AA, BK, D, G  
**Options:** LS, PL, SEC, LK, NH  
**ANSI/BHMA:** 362AA, 362BK, 362D, 362G R3B344

Semi-mortised applications. Supplied with closed cell sponge neoprene. Note: Consult your local AHJ for maximum allowable door undercut.

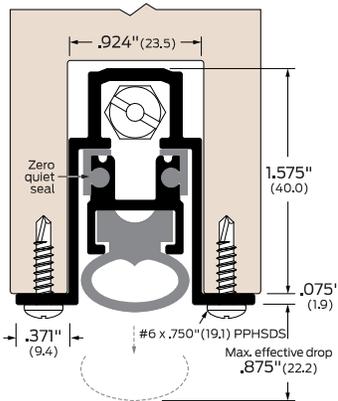
## 361



**Finishes:** AA, BK, D, G  
**Options:** LS, PL, NH, LK, SEC  
**ANSI/BHMA:** 361AA, 361BK, 361D, 361G R3C334

Surface-mounted applications. Supplied with closed cell sponge neoprene.

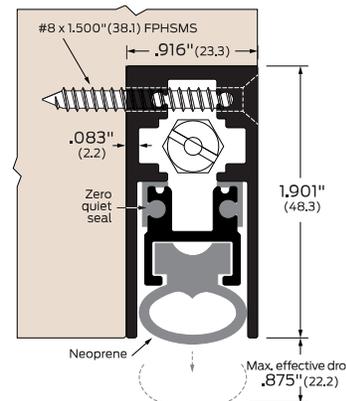
## 364



**Finishes:** AA  
**Options:** LS, Z49 End Cap, PL, NH  
**ANSI/BHMA:** 364AA R3B324

Mortised. Supplied with solid neoprene extrusion. Note: consult your local AHJ for maximum allowable door undercut.

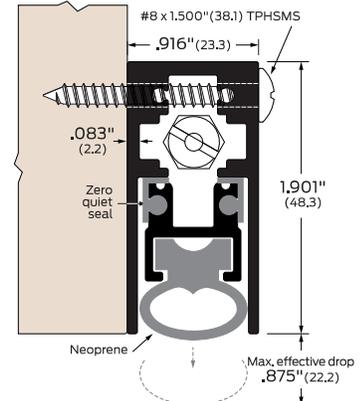
## 366



**Finishes:** AA, BK, D, G  
**Options:** LS, PL, SEC, LK, NH  
**ANSI/BHMA:** 366AA, 366BK, 366D, 366G R3B344

Semi-mortised applications. Supplied with solid neoprene extrusion. Note: Consult your local AHJ for maximum allowable door undercut.

## 365



**Finishes:** AA, BK, D, G  
**Options:** LS, PL, SEC, LK, NH  
**ANSI/BHMA:** 365AA, 365BK, 365D, 365G R3B334

Surface-mounted applications. Supplied with solid neoprene extrusion.

See ADB Accessories & options page for details.

**Finishes:**

- AA Aluminum clear anodized
- BK Aluminum black anodized
- D Aluminum dark bronze anodized
- G Aluminum gold anodized

**Options:**

- LS Light spring
- FLO Air flow/ sound block
- Z49 Removable end cap
- PL Pull out
- SEC Torx security screws
- LK Locking key
- NH No holes

**Note:**

Maximum order length is 60" unless noted otherwise. Lengths up to 96" on some models available as engineering special order.  
Lengths 10" - 18" available only with light spring drop mechanism. Not recommended for maximum drop greater than .500".  
Except where noted, all models on this page are shipped in standard LH/RHR configuration with locking screw concealed (facing the door). Handing is reversible.



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

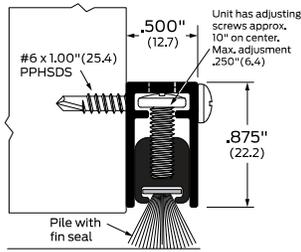
Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

# Door sweeps

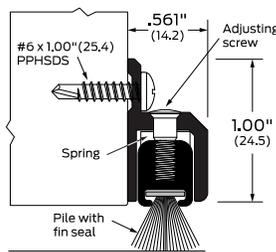


## 871



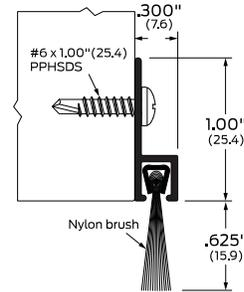
Finishes: AA, BK, D, G  
Options: S, SEC  
ANSI/BHMA: 871AA, 871BK, 871D, 871G  
R3F436  
Adjustable  
**BHMA** REGISTERED

## 255



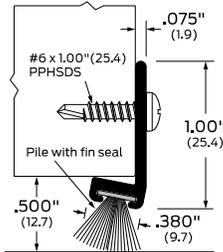
Finishes: AA, BK, D, G  
Options: SEC  
ANSI/BHMA: 255AA, 255BK, 255D, 255G  
R3F434  
Adjustable  
**BHMA** REGISTERED

## 8192



Finishes: AA, BK, D, G  
Options: PSA, SEC  
ANSI/BHMA: 8192AA, 8192BK, 8192D, 8192G  
R3A436  
**BHMA** REGISTERED

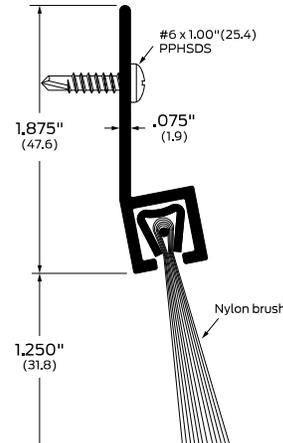
## 98



Finishes: A, BK, D, G  
Options: PSA, S, SEC  
ANSI/BHMA: 98A, 98BK, 98D, 98G  
R3F436  
**BHMA** REGISTERED



## 96



Finishes: A, BK, D, G  
Options: SEC  
ANSI/BHMA: 96A, 96BK, 96D, 96G  
R3A436  
Suitable for mixed-use commercial, hospitality, multi-family, as well as sliding barn doors.  
**BHMA** REGISTERED

See Perimeter seals Accessories & options page for details.

**Finishes:**

- A Aluminum mill finish
- AA Aluminum clear anodized
- BK Aluminum black anodized
- D Aluminum dark bronze anodized
- G Aluminum gold anodized
- B Bronze, architectural mill finish
- B-ORB Oil-rubbed aged bronze

**Options:**

- FLO Air flow/ sound block
- PSA Pressure-sensitive adhesive
- ZAG Ligature resistant gasketing
- S Order as a set
- SEC Security screws

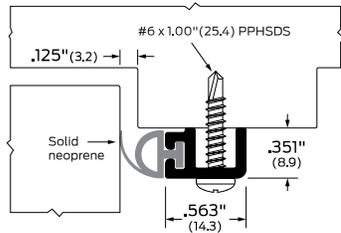
**Note:**

Perimeter seals

# Head and jamb gasketing



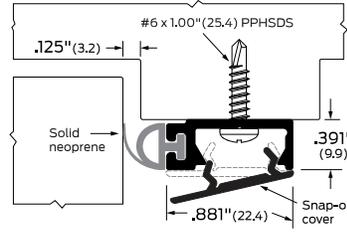
## 485



Finishes: AA, BK, D, G  
Options: ZAG, S, SEC  
ANSI/BHMA: 485AA, 485BK, 485D, 485G R3B164

ZAG option for mental health applications includes security screws. Extruded Bulb/Finger for double-sealing protection.

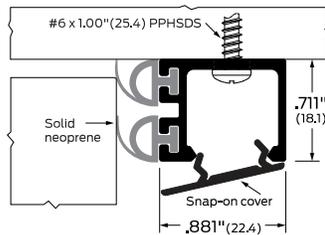
## 475



Finishes: AA, BK, D, G  
Options: S, SEC  
ANSI/BHMA: 475AA, 475BK, 475D, 475G R3B164

Extruded Bulb/Finger for double-sealing protection. Channel may be used for low-voltage wiring, subject to local building codes.

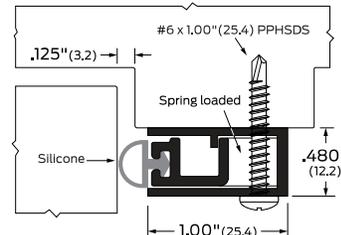
## 478



Finishes: AA, BK, D, G  
Options: S, SEC  
ANSI/BHMA: 478AA, 478BK, 478D, 478G R3B154

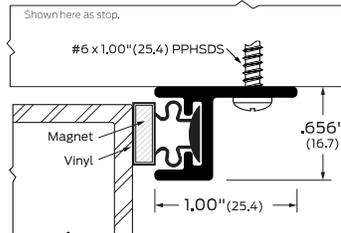
Extruded Bulb/Finger for double-sealing protection. Channel may be used for low-voltage wiring, subject to local building codes.

## 570



Finishes: AA, BK, D, G  
Options: S, SEC  
ANSI/BHMA: 570AA, 570BK, 570D, 570G R3E264

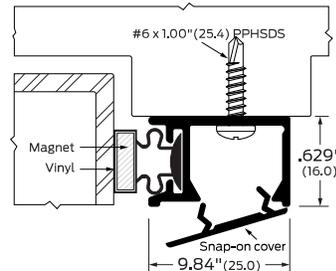
## 370



Finishes: A, BK, D, G  
ANSI/BHMA: 370A, 370BK, 370D, 370G R3L155

Magnetic head & jamb gasketing. For use with interior metal doors only. Available to order as engineering special.

## 375



Finishes: A, BK, D, G  
ANSI/BHMA: 375A, 375BK, 375D, 375G R3L155

Magnetic Head & Jamb Gasketing. For use with interior metal doors only. Available to order as engineering special.

See Perimeter seals Accessories & options page for details.

**Finishes:**

- A Aluminum mill finish
- AA Aluminum clear anodized
- BK Aluminum black anodized
- D Aluminum dark bronze anodized
- G Aluminum gold anodized
- B Bronze, architectural mill finish
- B-ORB Oil-rubbed aged bronze

**Options:**

- FLO Air flow/sound block
- PSA Pressure-sensitive adhesive
- ZAG Ligature resistant gasketing
- S Order as a set
- SEC Security screws

**Note:**



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB

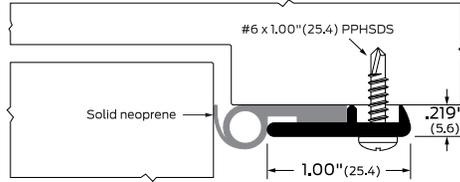
Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Perimeter seals

# Head and jamb gasketing



### 326

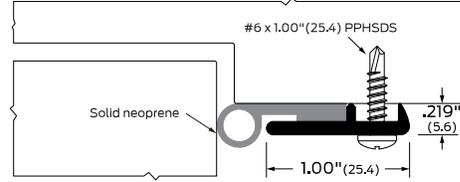


**Finishes:** AA, BK, D, G, B, B-ORB  
**Options:** ZAG, S, SEC  
**ANSI/BHMA:** 326AA, 326BK, 326D, 326G, 326B  
**R3R164**  
**R1R164**



Extruded Bulb/Finger for double-sealing protection.

### 328

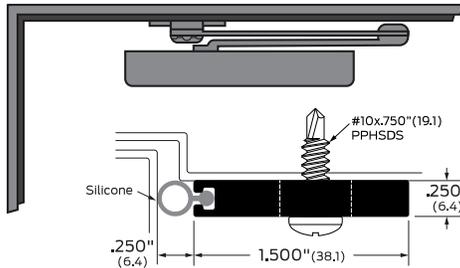


**Finishes:** AA, BK, D, G, B, B-ORB  
**Options:** ZAG, S, SEC  
**ANSI/BHMA:** 328AA, 328BK, 328D, 328G, 328B  
**R3R164**  
**R1R164**



ZAG option for mental health applications includes security screws

### 429

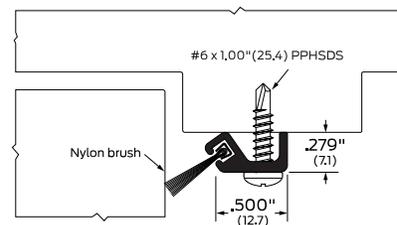


**Finishes:** AA, BK, D, G  
**Options:** S, SEC  
**ANSI/BHMA:** 429AA, 429BK, 429D, 429G  
**R3E164**



Gasketing protection for closer bracket or door coordinator.

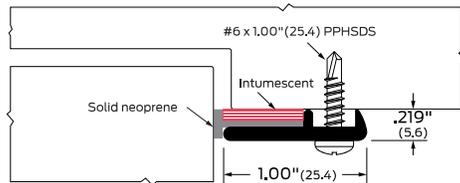
### 8305



**Finishes:** AA, BK, D, G  
**Options:** S, SEC  
**ANSI/BHMA:** 8305AA, 8305BK, 8305D, 8306G  
**R3A166**



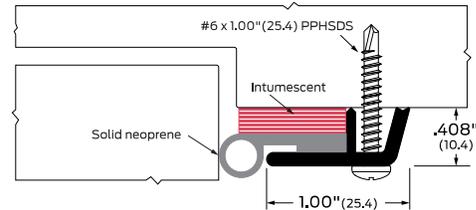
### 302FS



**Finishes:** AA, BK, D, G, B, B-ORB  
**Options:** S, SEC  
**ANSI/BHMA:** 302FS-AA, 302FS-BK, 302FS-D, 302FS-G, 302FS-B  
**R3R164**  
**R1R164**



### 328FS



**Finishes:** AA, BK, D, G  
**Options:** S, SEC  
**ANSI/BHMA:** 328FS-AA, 328FS-BK, 328FS-D, 328FS-G  
**R3R164**



See Perimeter seals Accessories & options page for details.

**Finishes:**

- A** Aluminum mill finish
- AA** Aluminum clear anodized
- BK** Aluminum black anodized
- D** Aluminum dark bronze anodized
- G** Aluminum gold anodized
- B** Bronze, architectural mill finish
- B-ORB** Oil-rubbed aged bronze

**Options:**

- FLO** Air flow/ sound block
- PSA** Pressure-sensitive adhesive
- ZAG** Ligature resistant gasketing
- S** Order as a set
- SEC** Security screws

**Note:**



Commercial Doors & Hardware Ltd.  
 2150 Winston Park Drive, Unit 16  
 Oakville, L6H 5V1

Oakville #5 P.S. HDSB

Submission Date: May 1/24, Nov 3/25, Nov 14/25, Nov 18/25, Nov 19/25

Thresholds

Solutions and specialty products

# Finger guards



Automatic door bottoms

## Finger guards

Hand and finger protection for heavy-duty industrial applications, child care, school safety, hospitals, and workplaces.

A commercial-quality, maintenance-free product. Aluminum and flexible rubber available in grey color.

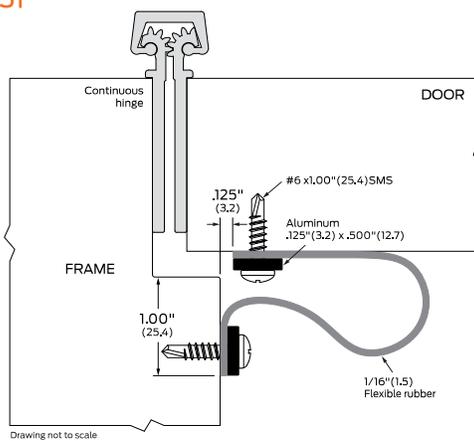
**51A-90 (6.5" wide)** For door opening up to 90°

**51A-180 (8.5" wide)** For door opening up to 180°

**951** Cover for mortise type hinges

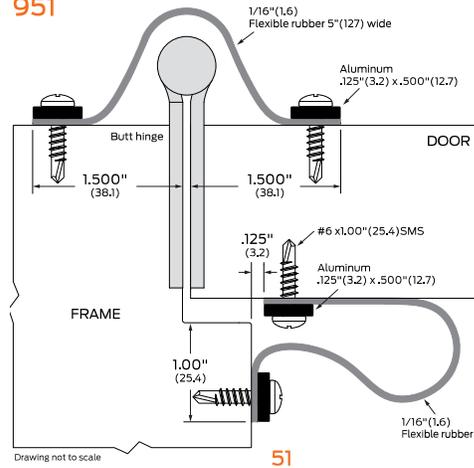


51



Finishes: A, BK, D, G Options: SEC Opening degree: 90, 180

951



Finishes: A, BK, D, G Options: SEC

Intumescent

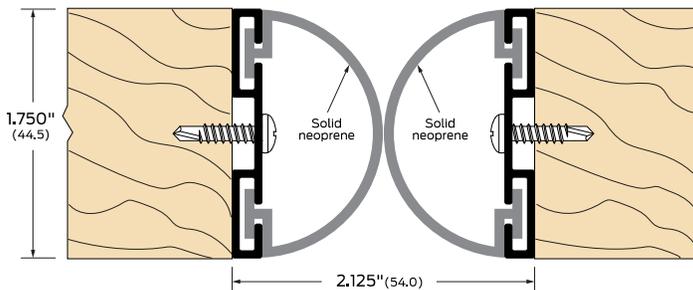
Weatherstripping

Perimeter seals

Automatic door bottoms

Thresholds

72



Finishes: A Options: SEC



Specialty applications

Sound control

Intumescent

Weatherstripping

Perimeter seals

Automatic door bottoms

Thresholds

<b>Finishes:</b>	<b>Options:</b>
<b>A</b> Aluminum Mill Finish	<b>SEC</b> Torx security screws
<b>BK</b> Black Anodized Aluminum	
<b>D</b> Dark Bronze Anodized Aluminum	
<b>G</b> Gold Anodized Aluminum	



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# GT710/8710

Low-Energy  
ADA Swing Door Operator  
Where SOLUTIONS are AUTOMATIC



### Product Features and Benefits

- Hydraulic design offers **proven reliability**
- Adjustable closing speeds to **enhance energy savings**
- Manual mode requires very little pressure to open **promoting ease of operation**
- Approved on fire door assemblies rated up to 3 hours, **maintaining security and safety**
- Hydraulic back-check during windy conditions **protects the door and operator from damage**

# CDH

Commercial Doors & Hardware Ltd.  
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Oakville, L6H 5V1

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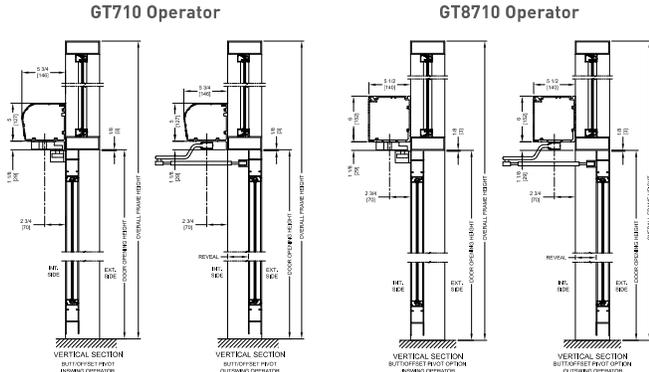


## GT710/8710 Low-Energy ADA Swing Door Operator

The NABCO GT710/8710 Low-Energy Operator is engineered for interior and exterior use, and designed to automate essentially any new or existing door frame. The GT710/8710 operates in both automatic and manual modes with a hydraulic back-check that protects the door and mechanical operator from damage when forced open in windy conditions or when manually operated. The GT710/8710 Operator has been approved for use on fire door assemblies rated up to 3 hours. The low-energy performance, combined with the adjustable opening and closing speeds, reduces energy consumed, which offers a prompt return on your investment.

- Powder-coated steel swing arm with attractive finish
- Hydraulic closer maintains complete control even if power is off or when door is used manually
- Has hydraulic back-check even when door is manually opened
- Hydraulic closer has maximum closing adjustability
- Adjustable spring tension to match closing force to application needs
- Heavy-duty chain with 2000 lb. tensile strength for low maintenance and quiet operation
- Splined output shaft allows precise positioning of arm for multiple applications
- Splined connection on steel output shaft will not slip
- Steel spiral bevel gears for greatest durability
- Passed the one-million-cycle endurance test
- Separate components allow for lower repair costs

PRODUCT INFORMATION	
<b>Header dimensions</b>	Side load - 5" H X 5 3/4" D [GT710] curved header Side load - 6" H X 5 1/2" D [GT8710]
<b>Standard finish</b>	Clear and dark bronze anodized
<b>Optional finishes</b>	Painted, clad, special anodized
<b>Mounting</b>	Surface applied or overhead concealed
<b>Installation types</b>	Push or pull
<b>Operating voltage</b>	120 VAC @ <5 amps
<b>Auxiliary power output</b>	12VDC 750mA
<b>Operator drive</b>	Electro-hydraulic
<b>Motor voltage</b>	Pulse width modulated
<b>Motor type</b>	1/8th HP @ peak
<b>Control type</b>	Microprocessor
<b>Door panel weight</b>	300 lbs.
<b>Adjustable open</b>	Force and speed
<b>Adjustable close</b>	Force and speed
<b>Closing method</b>	Spring/hydraulic (with selectable power assist)
<b>Adjustable opening angle</b>	Up to 145°
<b>Power boost close</b>	Selectable
<b>Basic features</b>	Low-energy operation Push and go Obstacle detection in opening and closing cycles Sequential or timer mode operation LCD display for programming and diagnostics Open- or closed-circuit safety inputs Momentary or maintained activation
<b>Switch modes</b>	On, off, hold-open
<b>Opening and closing speed</b>	Adjustable
<b>Hold-open time</b>	Adjustable (0-30 seconds)
<b>Code compliances</b>	ANSI A156.19/ANSI A117.1
<b>Approvals</b>	UL, ULC



**CONFIGURATIONS:**  
The GT710/8710 is available for multiple configurations, such as single doors, simultaneous pairs, and dual-egress, as well as the Opman configuration, which is a single continuous header for a pair of doors containing a manual closer on one side and an automatic operator on the other.

### NABCO Service and Specifications

Along with the NABCO factory branches, NABCO has the largest independently owned network of automatic door distributors in North America. Their friendly, qualified installers and technicians always strive to exceed your expectations from install to after-sales service. NABCO's factory branches and independent distributors provide AAADM-certified technicians to ensure your doors meet all ANSI A156.10/A156.19 standards.

Complete three-part specifications and CAD drawings are available on the NABCO website.



Member of the Nabtesco Group

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Distributed by:

06/15



Commercial Doors & Hardware Ltd.  
2150 Winston Park Drive, Unit 16  
Oakville, L6H 5V1

Oakville #5 P.S. HDSB  
& Milton #13 P.S. HDSB  
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