

Aluminum Door Hardware Submittal

Interdisciplinary Science Building **Webster University**

Coordinator
CBS Manhattan, LLC

Manufacturers & Finishes

Manufacturers

Glynn-Johnson
Ives
LCN
Rockwood Manufacturing
Schlage
Von Duprin
Zero International

Finishes

626 - Satin chromium plated
over nickel
652 - Satin chromium plated
over nickel
US26D - Satin chromium plated
over nickel
US28 - Satin aluminum, clear
anodized
US3 - Bright brass, clear coated
US32D - Satin stainless steel

Openings Schedule

Opening Number(s)	Qty	Hardware Group	Remarks	Nominal Width	Nominal Height	Type	Hand	Frame Label	Frame Catalog	Door Catalog	Door Series	Door Thickness
XC130	1	01	ALUMINUM	36"	108"	Single			<Aluminum>	<Aluminum>		1 3/4"
XC153	1	02	ALUMINUM	36", 36"	108"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC270A.1	1	03	ALUMINUM	36", 36"	96"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC270A.2	1	03	ALUMINUM	36", 36"	96"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC250	1	04	ALUMINUM	36", 36"	84"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC230	1	05	ALUMINUM	40"	84"	Single			<Aluminum>	<Aluminum>		1 3/4"
C153	1	20A	ALUMINUM	36", 36"	106"	Pair			<Aluminum>	<Aluminum>		1 3/4"
C230A	1	29	ALUMINUM	38"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
C250A	1	30	ALUMINUM	36", 36"	94 1/2"	Pair			<Aluminum>	<Aluminum>		1 3/4"
131	1	18	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
135.1	1	14A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
137	1	13A	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
140.1	1	18A	ALUMINUM	36"	106 1/4"	Single			<Aluminum>	<Aluminum>		1 3/4"
174	1	18	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
231	1	13B	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
233	1	19B	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
235	1	13A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
276.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
276.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
282.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"

Opening Number(s)	Qty	Hardware Group	Remarks	Nominal Width	Nominal Height	Type	Hand	Frame Label	Frame Catalog	Door Catalog	Door Series	Door Thickness
283.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
283.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
284.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
284.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
291.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
291.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
292.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
374A	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
378.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
378.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
383.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
383.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
386.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
388.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
388.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
389.1	1	06	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
391.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
391.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
472.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
472.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
478.1	1	06	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
480.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
480.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
483.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
488.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
488.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"

[illegible]

Hardware Schedule

Heading #1 (Group: 01)

Item #1

1 Single door XC130

36" x 108" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 36" x 108" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 36" V3 224	A
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL	

CARD READER AND PRIMUS CORE BY OTHERS

Heading #2 (Group: 02)

Item #2

1 Pair of doors XC153

36", 36" x 108" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	US3
2	Pivot	Ives 7215 - INT RH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Pivot	Ives 7215 - SET US26D - RH	US26D
1	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 108" Door	US26D
1	Exit Device	Von Duprin 3349A-NL US26D 388 US26D LH 36" x 108" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Ives 8190HD-0 US32D O	US32D
2	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Threshold	Zero 657A 72" V3 224	A

PRIMUS CORE BY OTHERS

not included in spec
087100.03

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Heading #3 (Group: 03)

Item #3

1 Pair of doors XC270A.1

Item #4

1 Pair of doors XC270A.2

x201.1 per rfi 283

x201.2 and x201.3 per
087100.01

x202.2

36", 36" x 96" x 1 3/4" - AL DR x AL FR

4	Pivot	Ives 7212 - INT LH US26D	US26D
4	Pivot	Ives 7212 - INT RH US26D	US26D
2	Pivot	Ives 7212 - SET LH US26D	US26D
2	Pivot	Ives 7212 - SET RH US26D	US26D
2	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 96" Door	US26D
2	Exit Device	Von Duprin RX-3349A-NL US26D 388 US26D LH 36" x 96" Door	US26D/US26D
2	Cylinder	Schlage 20-079 Open 626	
4	Door Pull	Ives 8190HD-0 US32D O	US32D
2	Surface Closer	LCN 4040XP S CUSH AL MC	AL
2	Electronic Closer	LCN 4642 REG AL	AL
2	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Threshold	Zero 657A 72" V3 224	A
4	Miscellaneous Hardware	LCN 8310-853T AL	AL

PRIMUS CORE BY OTHERS

Heading #4 (Group: 04)

Item #5

1 Pair of doors XC250

x200A.2 per rfi 283

xc200a.2 per
087100.01

36", 36" x 84" x 1 3/4" - AL DR x AL FR

1	Pivot	Ives 7212 - INT LH US26D	US26D
1	Pivot	Ives 7212 - INT RH US26D	US26D
1	Pivot	Ives 7212 - SET LH US26D	US26D
1	Pivot	Ives 7212 - SET RH US26D	US26D
1	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 84" Door	US26D
1	Exit Device	Von Duprin RX-3349A-NL US26D 388 US26D LH 36" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-853T AL	AL

not included in spec
087100.03

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Heading #5 (Group: 05)

Item #6

1 Single door XC230

XC250A.1

40" x 84" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Exit Device	Von Duprin RX-33A-NL US26D 388 US26D LH 40" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-853T AL	AL

PRIMUS CORE BY OTHERS

not included in spec
087100.03

Heading #6 (Group: 06)

Item #7

1 Single door 389.1

Item #8

1 Single door 478.1

Item #9

1 Single door 489.1

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND80TD RHO 626	626
3	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
3	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

size per door size

Heading #7 (Group: 06A)

Item #10

1 Single door 282.1

Item #11

1 Single door 292.1

Item #12

1 Single door 386.1

move door 292.1 to group 14

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND80TD RHO 626	626
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

size per door size

provide kickplates these doors

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Heading #8 (Group: 13A)

Item #13 1 Single door 137

36" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

card reader door

Heading #9 (Group: 13A)

Item #14 1 Single door 235

42" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

card reader door

card reader door

Heading #10 (Group: 13B)

Item #15 1 Single door 231

36" x 86" x 1 3/4" - AL DR x AL FR

1	Continuous Hinge	Ives 112HD-85" US28 EPT	US28
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Gasketing	Zero 188S-CI 36" x 86"	-CI
1	Gasketing	Zero 3551A 36"	A
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

card reader door

Heading #11 (Group: 14)

Item #16 1 Single door 276.1

Item #17 1 Single door 283.1

Item #18 1 Single door 291.1

Item #19 1 Single door 374A

Item #20 1 Single door 383.1

Item #21 1 Single door 388.1

Item #22 1 Single door 472.1

Item #23 1 Single door 483.1

add door 292.1 to this group.

42" x 86" x 1 3/4" - AL DR x AL FR

24	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
8	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
8	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
8	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
8	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
8	Accessory	Von Duprin EPT-10 SP28 CON	SP28
8	Miscellaneous Item	Schlage 679-05HM	
8	Miscellaneous Item	Von Duprin CON-192	
24	Door Silencer	Ives SR64 GRY	GRY

card reader door

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Heading #12 (Group: 14A)

Item #24

1 Single door 135.1

42" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
1	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

card reader door

Heading #13 (Group: 18)

Item #25

1 Single door 131

Item #26

1 Single door 174

42" x 86" x 1 3/4" - AL DR x AL FR

6	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
2	Lockset	Schlage ND70TD RHO 626	626
2	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
6	Door Silencer	Ives SR64 GRY	GRY

kickplate not required

size per 42" wide door

no kick plate in specs?

Heading #14 (Group: 18A)

Item #27

1 Single door 140.1

door switched to wood door in alum frame - cm coordinate

36" x 106 1/4" x 1 3/4" - AL DR x AL FR

4	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND70TD RHO 626	626
1	Concealed Closer	LCN 2033 STD AL LH	AL
1	Overhead Door Stop	Glynn-Johnson 904S US32D	US32D
3	Door Silencer	Ives SR64 GRY	GRY

Heading #15 (Group: 19B)

Item #28

1 Single door 233

36" x 86" x 1 3/4" - AL DR x AL FR

1	Continuous Hinge	Ives 112HD-85" US28	US28
1	Lockset	Schlage ND70TD RHO 626	626
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
3	Door Silencer	Ives SR64 GRY	GRY

Heading #16 (Group: 20A)

Item #29

1 Pair of doors C153

36", 36" x 106" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7212 - INT LH US26D Black	NL-OP	Black	US26D
2	Pivot	Ives 7212 - INT RH US26D			US26D
1	Pivot	Ives 7212 - SET LH US26D			US26D
1	Pivot	Ives 7212 - SET RH US26D			US26D
1	Exit Device	Von Duprin RX2QEL-3349A-EO US26D RH CON 36" x 106" Door			US26D Black
1	Exit Device	Von Duprin RX2QEL-3349A-NL US26D 388 US26D LH CON 36" x 106" Door			US26D/US26D Black/Black
1	Cylinder	Schlage 20-079 Open 626 Black			
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)			US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC			AL Black
1	Electronic Closer	LCN 4642 REG AL			AL Black
2	Accessory	Von Duprin EPT-10 SP28 CON		SP313-Black	SP28
2	Miscellaneous Item	Schlage 679-05HM			Black
2	Miscellaneous Item	Von Duprin CON-192			
2	Door Silencer	Ives SR64 GRY			GRY
2	Miscellaneous Hardware	LCN 8310-818T AL			AL
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL			

Provide Card Reader this door
PRIMUS CORE BY OTHERS

coordinate clearance for door pulls
prior to order

Provide operations description

Door operator actuators: Interior side - column mount; Vestibule side - wall mount

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Heading #17 (Group: 26)

Item #30 1 Single door 276.2
 Item #31 1 Single door 283.2
 Item #32 1 Single door 291.2

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND25D RHO 626	626
3	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
3	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

size per 42" wide door

Heading #18 (Group: 29)

Item #33 1 Single door C230A

38" x 86" x 1 3/4" - AL DR x AL FR

1	Pivot	Ives 7215 - INT LH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 38" x 86" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A

NL-OP

delete threshold

Provide Card Reader this door
 PRIMUS CORE BY OTHERS

Provide operations description

Door operator actuators: Interior side - wall mount; Vestibule side - column mount

Heading #19 (Group: 30)

Item #34

1 Pair of doors C250A

36", 36" x 94 1/2" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	NL-OP	US3
2	Pivot	Ives 7215 - INT RH US3		US3
1	Pivot	Ives 7215 - SET US26D - LH		US26D
1	Pivot	Ives 7215 - SET US26D - RH		US26D
1	Exit Device	Von Duprin RX2QEL-3349A-EO US26D RH CON 36" x 94 1/2" Door		US26D
1	Exit Device	Von Duprin RX2QEL-3349A-ML US26D 388 US26D LH CON 36" x 94 1/2" Door		US26D/US26D
1	Cylinder	Schlage 20-079 Open 626		
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)		US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC		AL
1	Electronic Closer	LCN 4642 REG AL		AL
2	Accessory	Von Duprin EPT-10 SP28 CON		SP28
2	Miscellaneous Item	Von Duprin CON-192		
1	Miscellaneous Hardware	LCN 8310-818T AL		AL
1	Miscellaneous Hardware	LCN 8310-855 AL		AL
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL		

PRIMUS CORE AND CARD READER BY OTHERS

[Provide operations description](#)

[Door operator actuators: Interior side - mullion mount- south wall; Vestibule side - column mount - coordinate combined operator with exterior door](#)

Heading #20 (Group: 31)

Item #35	1 Single door 284.1
Item #36	1 Single door 284.2
Item #37	1 Single door 378.1
Item #38	1 Single door 378.2
Item #39	1 Single door 383.2
Item #40	1 Single door 388.2
Item #41	1 Single door 391.1
Item #42	1 Single door 391.2
Item #43	1 Single door 472.2
Item #44	1 Single door 480.1
Item #45	1 Single door 480.2
Item #46	1 Single door 488.1
Item #47	1 Single door 488.2
Item #48	1 Single door 491.1
Item #49	1 Single door 491.2

42" x 86" x 1 3/4" - AL DR x AL FR

45	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
15	Lockset	Schlage ND70TD RHO 626	626
15	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
15	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
15	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
45	Door Silencer	Ives SR64 GRY	GRY

size per 42" wide door

Exterior Aluminum - Hardware Schedule

Openings Schedule

Heading #1 (Group: 01)

Item #1

1 Single door XC130

36" x 108" x 1 3/4" - AL DR x AL FR

*****CONFIRM EXIT DEVICES TYPE AND FINISH*****

2	Pivot	Ives 7215 - INT LH SPBLK	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - LH	SPBLK
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 36" x 108" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 613	
1	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4111 S CUSH BLACK LH DEL MC	BLACK
1	Accessory	Von Duprin EPT-10 SP313 CON	SP313
1	Threshold	Zero 657A 36" V3 224	A
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL	

why are these
required with
no card reader?

no card reader
this door

OPERATION: WHEN ACTIVE LEAF IS MECHANICALLY DOGGED, RX SWITCH TO ALLOW ACTUATORS TO BE ACTIVE, PRESSING ACTUATOR WHEN ACTIVE CYCLES ACTIVE LEAF. WHEN ACTIVE LEAF IS UNDOGGED, RX SWITCH TO SHUNT ACTUATORS. DOGGING EXIT DEVICES ALLOWS PUSH/PULL OPERATION OF DOORS. FREE EGRESS AT ALL TIMES.

All panics will come with "OP" Optional Pull where specified in the spec. The hardware schedule generator will not allow me to show it on the schedule but they will come this way.

ok

Black is not an option for the Schlage 20-079 cylinders - they will come with a dark bronze finish

Heading #2 (Group: 02)

Item #2

1 Pair of doors XC153

36", 36" x 108" x 1 3/4" - AL DR x AL FR

*****CONFIRM ADDED AUTO OPERATOR IS ON THE ACTIVE LEAF ONLY***** ok
*****CONFIRM HARDWARE FINISHES ARE CORRECT*****

2	Pivot	Ives 7215 - INT LH SPBLK	SPBLK
2	Pivot	Ives 7215 - INT RH SPBLK	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - LH	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - RH	SPBLK
1	Exit Device	Von Duprin 3349A-EO 315 RH 36" x 108" Door	315
1	Exit Device	Von Duprin 3349A-NL 315 388 SPBLK LH 36" x 108" Door	SPBLK/315
1	Cylinder	Schlage 20-079 Open 613	
2	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL black
1	Electronic Closer	LCN 4642 REG BLACK	BLACK
1	Threshold	Zero 657A 72" V3 224	A
1	Miscellaneous Hardware	LCN 8310-853T AL PROVIDE SURF. MOUNT BOX AND WEATHER RING	
1		LCN 8310-818T - RECESS MOUNT (VESTIBULE SIDE)	
1			

2" DIA. STAINLESS STEEL BOLLARD POST W/ FLAT SS CAP - SATIN STAINLESS

2" +/- DIAMETER STAINLESS STEEL BOLLARD POST W/
MOUNTING PLATE AND FLAT SS CAP. MATCH CURRAN
ENGINEERING CE-911-MP - SEE INFORMATION ON LAST
3 PAGES ADDED TO SUBMITTAL

EXTERIOR ACTUATOR SURFACE MOUNTED TO BOLLARD.
SURFACE MOUNT TO PLATE PROVIDED WITH BOLLARD POST.
PROVIDE SURFACE BOX W/ WEATHER RING.

Item #3 1 Pair of doors X201.1 aka XC270A.1 ON DRAWINGS
 Item #4 1 Pair of doors X202.2 aka XC270A.2 ON DRAWINGS

36", 36" x 96" x 1 3/4" - AL DR x AL FR DOOR XC270A.2: NO AUTOMATIC OPENER

*****CONFIRM HARDWARE FINISHES ARE CORRECT*****

4	Pivot	Ives 7215 - INT LH US10B	US10B
4	Pivot	Ives 7215 - INT RH US10B	US10B
2	Pivot	Ives 7215 - SET US10B - LH	US10B
2	Pivot	Ives 7215 - SET US10B - RH	US10B
2	Exit Device	Von Duprin 3349A-EO 313 RH 36" x 96" Door	313
2	Exit Device	Von Duprin RX-3349A-NL 313 388 US10B LH 36" x 96" Door	US10B/313
2	Cylinder	Schlage 20-079 Open 613	
4	Door Pull	Ives 8190HD-0 US10B O	US10B
2	Surface Closer	LCN 4111 S CUSH DRKBRNZ RH DEL MC	DRKBRNZ
2	Electronic Closer	LCN 4642 REG DRKBRNZ	DRKBRNZ
2	Accessory	Von Duprin EPT-10 SP313 CON	SP313
2	Threshold	Zero 657A 72" ORB 224	A
1	Miscellaneous Hardware	LCN 8310-818T DRKBRNZ	DRKBRNZ
1	Miscellaneous Hardware	LCN 8310-853T DRKBRNZ	DRKBRNZ
2	Miscellaneous Hardware	LCN 8310-800 DRKBRNZ (BOLLARD POST)	

OPERATION: WHEN ACTIVE LEAF IS MECHANICALLY DOGGED, RX SWITCH TO ALLOW ACTUATORS TO BE ACTIVE, PRESSING ACTUATOR WHEN ACTIVE CYCLES ACTIVE LEAF. WHEN ACTIVE LEAF IS UNDOGGED, RX SWITCH TO SHUNT ACTUATORS. DOGGING EXIT DEVICES ALLOWS PUSH/PULL OPERATION OF DOORS. FREE EGRESS AT ALL TIMES.

ADJUST QUANTITY : DOOR XC270A.2: NO AUTOMATIC OPENER

3 (DOOR XC270A.2: NO AUTOMATIC OPENER)

1 (DOOR XC270A.2: NO AUTOMATIC OPENER)

SURFACE MOUNTED WIRELESS. MOUNT TO FACE OF BRICK LOCATE AS INDICATED ON ASI-044 - E0102A

EXTERIOR LOCATION: SURFACE MOUNTED WIRELESS. MOUNT TO FACE OF BRICK PROVIDE WEATHER RING LOCATE AS INDICATED ON ASI-044 - E0102A

Heading #4 (Group: 04)

Item #5

1 Pair of doors XC250

36", 36" x 84" x 1 3/4" - AL DR x AL FR

*****CONFIRM HARDWARE FINISHES*****

1	Pivot	Ives 7215 - INT LH US26D	US26D
1	Pivot	Ives 7215 - INT RH US26D	US26D
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Pivot	Ives 7215 - SET US26D - RH	US26D
1	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 84" Door	US26D
1	Exit Device	Von Duprin RX-3349A-NL US26D 388 US26D LH 36" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	LCN 8310-853T AL	AL
1	Miscellaneous Hardware	LCN 8310-866 AL (BOLLARD POST)	

2" DIA. STAINLESS STEEL BOLLARD POST W/ FLAT SS CAP - SATIN STAINLESS

OPERATION: WHEN ACTIVE LEAF IS MECHANICALLY DOGGED, RX SWITCH TO ALLOW ACTUATORS TO BE ACTIVE. PRESSING ACTUATOR WHEN ACTIVE CYCLES ACTIVE LEAF. WHEN ACTIVE LEAF IS UNDOGGED, RX SWITCH TO SHUNT ACTUATORS. DOGGING EXIT DEVICES ALLOWS PUSH/PULL OPERATION OF DOORS. FREE EGRESS AT ALL TIMES.

2" +/- DIAMETER STAINLESS STEEL BOLLARD POST W/ MOUNTING PLATE AND FLAT SS CAP. MATCH CURRAN ENGINEERING CE-911-MP - SEE INFORMATION ON LAST 3 PAGES ADDED TO SUBMITTAL

SURFACE MOUNTED ACTUATOR - SURFACE MOUNT TO PLATE PROVIDED WITH BOLLARD POST.

VESTIBULE SIDE ACTUATOR: COORDINATE WITH DOOR C250 - GROUP 30- - CONFIRM THAT DOUBLE ACTUATOR NOTED FOR C250 WILL OPERATE XC 250 AS WELL. IF THAT IS CONFIRMED ONLY EXTERIOR ACTUATOR NEEDED FOR XC250.

Heading #5 (Group: 05)

Item #6

1 Single door XC230

40" x 84" x 1 3/4" - AL DR x AL FR

*****BOLLARD ADDED??*****

2	Pivot	Ives 7215 - INT LH SPBLK	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - LH	SPBLK
1	Exit Device	Von Duprin RX-33A-NL US26D 388 US26D LH 40" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	LCN 8310-853T AL	AL
1	Miscellaneous Hardware	LCN 8310-866 AL (BOLLARD POST)	

2" DIA. STAINLESS STEEL BOLLARD POST W/ FLAT SS CAP - SATIN STAINLESS

OPERATION: WHEN EXIT DEVICE IS MECHANICALLY DOGGED, RX SWITCH TO ALLOW ACTUATORS TO BE ACTIVE. PRESSING ACTUATOR WHEN ACTIVE CYCLES DOOR LEAF. WHEN EXIT DEVICES IS UNDOGGED, RX SWITCH TO SHUNT ACTUATORS. DOGGING EXIT DEVICE ALLOWS PUSH/PULL OPERATION OF DOOR. FREE EGRESS AT ALL TIMES.

2" +/- DIAMETER STAINLESS STEEL BOLLARD POST W/ MOUNTING PLATE AND FLAT SS CAP. MATCH CURRAN ENGINEERING CE-911-MP - SEE INFORMATION ON LAST 3 PAGES ADDED TO SUBMITTAL

SURFACE MOUNTED ACTUATOR - SURFACE MOUNT TO PLATE PROVIDED WITH BOLLARD POST.

Heading #6 (Group: 20A)

Item #7

1 Pair of doors C153

36", 36" x 106" x 1 3/4" - AL DR x AL FR

*****CONFIRM HARDWARE FINISHES***** OK

2	Pivot	Ives 7212 - INT LH SPBLK	SPBLK
2	Pivot	Ives 7212 - INT RH SPBLK	SPBLK
1	Pivot	Ives 7212 - SET LH SPBLK	SPBLK
1	Pivot	Ives 7212 - SET RH SPBLK	SPBLK
1	Exit Device	Von Duprin RX2QEL-3349A-EO 315 RH CON 36" x 106" Door	315
1	Exit Device	Von Duprin RX2QEL-3349A-NL 315 388 SPBLK LH CON 36" x 106" Door	SPBLK/315
1	Cylinder	Schlage 20-079 Open 613	
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Surface Closer	LCN 4040XP S CUSH BLACK MC	BLACK
1	Electronic Closer	LCN 4642 REG BLACK	BLACK
2	Accessory	Von Duprin EPT-10 SP313 CON	SP313
2	Miscellaneous Item	Schlage 679-05HM	
2	Miscellaneous Item	Von Duprin CON-192	
2	Door Silencer	Ives SR64 GRY	GRY
2	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL	

OPERATION: VALID CREDENTIAL OR ACCESS CONTROL SYSTEM TO ELECTRONICALLY DOG EXIT DEVICES. WHEN ACTIVE LEAF IS ELECTRONICALLY DOGGED, RX SWITCH TO ALLOW EXTERIOR ACTUATORS TO BE ACTIVE. PRESSING ACTUATOR WHEN ACTIVE CYCLES ACTIVE LEAF. WHEN ACTIVE LEAF IS UNDOGGED, RX SWITCH TO SHUNT EXTERIOR ACTUATORS. PRESSING INTERIOR ACTUATOR ELECTRONICALLY RETRACTS LATCH AND CYCLES AUTO OPERATOR. FREE EGRESS AT ALL TIMES.

Heading #7 (Group: 29)

Item #8

1 Single door C230A

38" x 86" x 1 3/4" - AL DR x AL FR

1	Pivot	Ives 7215 - INT LH SPBLK	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - LH	SPBLK
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 38" x 86" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	LCN 8310-853T AL	AL

OPERATION: VALID CREDENTIAL OR ACCESS CONTROL SYSTEM TO ELECTRONICALLY DOG EXIT DEVICES. WHEN ACTIVE LEAF IS ELECTRONICALLY DOGGED, RX SWITCH TO ALLOW EXTERIOR ACTUATORS TO BE ACTIVE. PRESSING ACTUATOR WHEN ACTIVE LEAF CYCLES ACTIVE LEAF. WHEN ACTIVE LEAF IS UNDOGGED, RX SWITCH TO SHUNT EXTERIOR ACTUATORS. PRESSING INTERIOR ACTUATOR ELECTRONICALLY RETRACTS LATCH AND CYCLES AUTO OPERATOR. FREE EGRESS AT ALL TIMES.

Heading #8 (Group: 30)

Item #9

1 Pair of doors C250A

36", 36" x 94 1/2" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH SPBLK	SPBLK
2	Pivot	Ives 7215 - INT RH SPBLK	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - LH	SPBLK
1	Pivot	Ives 7215 - SET SPBLK - RH	SPBLK
1	Exit Device	Von Duprin RX2QEL-3349A-EO 315 RH CON 36" x 94 1/2" Door	315
1	Exit Device	Von Duprin RX2QEL-3349A-NL 315 388 SPBLK LH CON 36" x 94 1/2" Door	SPBLK/315
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
2	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Miscellaneous Item	Von Duprin CON-192	
1	Miscellaneous Hardware	LCN 8310-818T AL (MULLION MOUNT)	AL
1	Miscellaneous Hardware	LCN 8310-855 AL (COL COVER MOUNT)	AL
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL	

OPERATION: VALID CREDENTIAL TO RETRACT LATCHES ALLOWING ENTRY AND TRIGGERING RX SWITCH. WHEN ACTIVE LEAF IS ELECTRONICALLY DOGGED, RX SWITCH TO ALLOW EXTERIOR ACTUATOR TO BE ACTIVE. PRESSING EXTERIOR ACTUATOR WHEN ACTIVE CYCLES ACTIVE LEAF. RX SWITCH TO SHUNT EXTERIOR ACTUATORS WHEN EXIT DEVICE IS NOT RETRACTED. INTERIOR ACTUATOR IS ALWAYS ACTIVE AND RETRACTS ELECTRIC LATCH PRIOR TO CYCLING AUTO OPERATOR. FREE EGRESS AT ALL TIMES.

COORDINATE WITH ACTUATOR FOR EXT. DOOR

BOLLARD WITH PUSH PLATE: INTENDED FINAL APPEARANCE

EXCEPT
SATIN
FINISH

CE-911-615 **Narrow Push Plate Post** **Surface Mount**



Stainless Steel Post
With CE-615 Push Plate Switch
38" High, Overall
For Surface Mount Installation

Add to Part Number to Specify:

"-M" #8 Mirror Finish

"-S" #4 Satin Finish

Radio Control Available:

"-318" 318 MHz Transmitter (Digital)

"-300" 300 MHz Transmitter (10 Dip
Switch)

Additional Information

 [Cut Sheet \(PDF\)](#)

PROPOSED PRODUCT

REVISIONS

SYM.	DESCRIPTION	DATE	APPROVAL

STAINLESS STEEL CAP

MOUNTING PLATE (TYP)
11 GA. STAINLESS STEEL
STANDARD: 4" SQUARE

DOOR XC 250 AND XC 230: SIZE PLATE
TO 1 1/2" X 4" JAMB PUSH PLATE
8310-818T ACTUATOR IN SURFACE
MOUNT BOX.

DOOR XC 153: SIZE PLATE FOR
8310-853 IN SURF. MTD BOX

P/N CE-910-MP IS
4" LONGER FOR
CORE INSTALLATION.

(CE-910-F FINISH
PLATE IS OPTIONAL)
PROVIDE IF THIS
ONE IS USED

CM COORDINATE MOUNTING TYPE

P/N CE-911-MP INCLUDES
CE-910-F FINISH PLATE AND
WELDED STAINLESS STEEL
SURFACE MOUNTING PLATE

CE-910-MP

SATIN STAINLESS

CE-911-MP

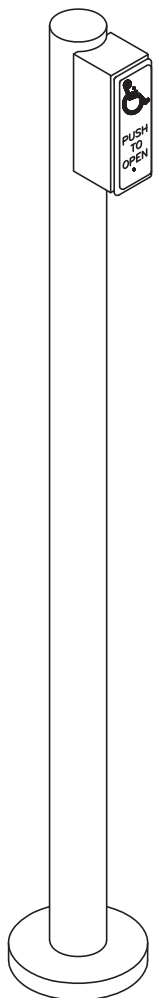
NOTES:

1. Do not scale drawing.
2. All dimensions in inches unless noted otherwise.
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MATERIAL: #1.900 DIA STAINLESS STEEL			FINISH MIRROR, SATIN OR POWDER COAT		WEIGHT A/R	
DIMENSIONAL TOLERANCES UNLESS NOTED OTHERWISE			TITLE		CURRAN ENGINEERING COMPANY, INC.	
			GUIDE POST WITH MOUNTING PLATE		28727 INDUSTRY DRIVE VALENCIA, CA 91355 TELEPHONE (800) 643-6353 FACSIMILE (877) 782-5979	
FRAC.	DEC.	ANG.	SCALE	NO. REQ.	DRAWN	DATE
± 1/16"	± 0.087	± 1/2°	NTS	A/R	PSC	12/18/02
NEXT ASSY.			CHECKED	RDC	DATE	12/18/02
			APPROVED	RDC	DATE	12/18/02
SIZE A					DRAWING NUMBER	ISSUE
					10296	2
					CE-910-MP/911-MP	

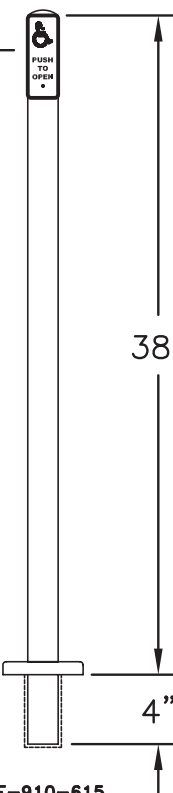
EXAMPLE PRODUCT FROM MANUFACTURER USING THEIR PUSH PLATE



PUSH PLATE DETAIL



CE-911-615
SURFACE MOUNTING



CE-911-615
RECESSED MOUNTING

36"

38"

4"

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL

NOTES:

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MATERIAL: #1.900 DIA STAINLESS STEEL			FINISH TO BE SPECIFIED		WEIGHT A/R	
DIMENSIONAL TOLERANCES UNLESS NOTED OTHERWISE			TITLE GUIDE POST WITH CE-615 PUSH PLATE		CURRAN ENGINEERING COMPANY, INC. 28727 INDUSTRY DRIVE VALENCIA, CA 91355 TELEPHONE (818) 785-1383 FACSIMILE (818) 782-5979	
FRAC.	DEC.	ANG.				
±1/16"	± 0.087"	±1/2°				
SCALE NTS	NO. REQ.	A/R	DRAWN	PSC	DATE	4/29/97
NEXT ASSY.			CHECKED	RDC	DATE	4/29/97
			APPROVED	RDC	DATE	4/29/97
			SIZE	DRAWING NUMBER	ISSUE	
			B	10255 CE-911-615	1	

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB	
PROJECT NAME	
8274 BIG BEND BLVD	
ADDRESS	
NUMBER	
WEBSTER UNIVERSITY	
OWNER	
CANNON DESIGN	
ARCHITECT / ENGINEER	
DEVIN D GATES	
SUBMITTED BY	
087100.01-001	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
	087100
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
	CRITICAL

ITEM BEING SUBMITTED (check only one)

- | | | |
|---|--|--|
| ☐ Shop Drawings | ☐ Certification / Qualifications | ☐ Coordination Drawing |
| ☐ Samples (____ copies) | ☐ Record Documents | ☐ Calculations |
| ☐ LEED Submittal | ☒ Product Data | ☐ Schedules |
| ☐ Other _____ | | ☐ O&M Manuals |

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

This was previously approved as noted but to clarify some items we have submitted again for final approval.

CONTRACTOR / CM CERTIFICATION (SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

To be completed by Reviewer

08 7100.01-001 REV002
CANNON DESIGN SUBMITTAL NUMBER
1/11/17
RECEIVED DATE

- ☐ A. No Exceptions Taken
No further review of submittal is required.
- ☒ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
- ☐ C. Revise and Resubmit
Revise as noted, and resubmit for review.
- ☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
- ☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
- ☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

See proposed bollard mount added to submittal (last three pages)
Actuators: We prefer 1 3/4 x 4 actuators where possible but have indicated 4 3/4 sq. actuators where exterior and not under cover for increased weather resistance. Please advise if there are issues with 1 3/4 x 4 actuators in other locations.

DEVIN D GATES	1/11/16
REVIEWED BY	DATE

Lynn Grossman	02.23.17
REVIEWED BY	DATE

Digitally signed by Lynn Grossman
DN: C=US, E=lgrossman@cannondesign.com, O=Cannon Design, CN=Lynn Grossman
Date: 2017.02.23 18:43:46-06'00'

Aluminum Door Hardware Submittal

Interdisciplinary Science Building **Webster University**

Coordinator
CBS Manhattan, LLC

General Notes:

- Revise all closers to 4010/4110 DEL series per revision
- Provide Exit Devices with NL-OP trim where specified versus the submitted NL trim

Manufacturers & Finishes

Manufacturers

Glynn-Johnson
Ives
LCN
Rockwood Manufacturing
Schlage
Von Duprin
Zero International

Finishes

626 - Satin chromium plated
over nickel
652 - Satin chromium plated
over nickel
US26D - Satin chromium plated
over nickel
US28 - Satin aluminum, clear
anodized
US3 - Bright brass, clear coated
US32D - Satin stainless steel

Openings Schedule

Opening Number(s)	Qty	Hardware Group	Remarks	Nominal Width	Nominal Height	Type	Hand	Frame Label	Frame Catalog	Door Catalog	Door Series	Door Thickness
XC130	1	01	ALUMINUM	36"	108"	Single			<Aluminum>	<Aluminum>		1 3/4"
XC153	1	02	ALUMINUM	36", 36"	108"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC270A.1	1	03	ALUMINUM	36", 36"	96"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC270A.2	1	03	ALUMINUM	36", 36"	96"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC250	1	04	ALUMINUM	36", 36"	84"	Pair			<Aluminum>	<Aluminum>		1 3/4"
XC230	1	05	ALUMINUM	40"	84"	Single			<Aluminum>	<Aluminum>		1 3/4"
C153	1	20A	ALUMINUM	36", 36"	106"	Pair			<Aluminum>	<Aluminum>		1 3/4"
C230A	1	29	ALUMINUM	38"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
C250A	1	30	ALUMINUM	36", 36"	94 1/2"	Pair			<Aluminum>	<Aluminum>		1 3/4"
131	1	18	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
135.1	1	14A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
137	1	13A	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
140.1	1	18A	ALUMINUM	36"	106 1/4"	Single			<Aluminum>	<Aluminum>		1 3/4"
174	1	18	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
231	1	13B	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
233	1	19B	ALUMINUM	36"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
235	1	13A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
276.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
276.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
282.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"

Opening Number(s)	Qty	Hardware Group	Remarks	Nominal Width	Nominal Height	Type	Hand	Frame Label	Frame Catalog	Door Catalog	Door Series	Door Thickness
283.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
283.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
284.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
284.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
291.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
291.2	1	26	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
292.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
374A	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
378.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
378.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
383.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
383.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
386.1	1	06A	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
388.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
388.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
389.1	1	06	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
391.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
391.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
472.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
472.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
478.1	1	06	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
480.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
480.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
483.1	1	14	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
488.1	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"
488.2	1	31	ALUMINUM	42"	86"	Single			<Aluminum>	<Aluminum>		1 3/4"

[illegible]

Hardware Schedule

Heading #1 (Group: 01)

Item #1

1 Single door XC130 **See revised hardware set and resubmit**

36" x 108" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	Black	US3
1	Pivot	Ives 7215 - SET US26D - LH		US26D
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 36" x 108" Door		US26D/US26D
1	Cylinder	Schlage 20-079 Open-626	Black	
1	Door Pull	Ives 8190HD-0 US32D O		US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC		AL BLACK
1	Accessory	Von Duprin EPT-10 SP28 CON		SP28 BLACK
1	Threshold	Zero 657A 36" V3 224		A
1	Miscellaneous Item	Schlage 679-05HM		
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL		

~~card reader not required this door~~
~~CARD READER AND PRIMUS CORE BY OTHERS~~
~~Provide operations description.~~

Provide 4110 DEL SCUSH MC per revision

is delayed action advisable for exterior (primarily exit) door?

Heading #2 (Group: 02)

Item #2

1 Pair of doors XC153

36", 36" x 108" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	Black	US3
2	Pivot	Ives 7215 - INT RH US3		US3
1	Pivot	Ives 7215 - SET US26D - LH		US26D
1	Pivot	Ives 7215 - SET US26D - RH		US26D
1	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 108" Door		US26D BLACK
1	Exit Device	Von Duprin 3349A-NL US26D 388 US26D LH 36" x 108" Door		US26D/US26D BLACK/BLACK
1	Cylinder	Schlage 20-079 Open 626	Black	
2	Door Pull	Ives 8190HD-0 US32D O		US32D
2	Surface Closer	LCN 4040XP S CUSH AL MC		AL BLACK
1	Threshold	Zero 657A 72" V3 224		A

PRIMUS CORE BY OTHERS

Exterior operator: bollard mount.
Interior operator: wall mount

this door requires automatic opener
match auto operators XC 250 - heading #4

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Heading #3 (Group: 03)

Item #3

1 Pair of doors XC270A.1

Item #4

1 Pair of doors XC270A.2

x201.1 per rfi 283

x201.2 and x201.3 per
087100.01

x202.2

36", 36" x 96" x 1 3/4" - AL DR x AL FR

7215 series as spec'd

4	Pivot	Ives 7212 -INT LH US26D	US26D
4	Pivot	Ives 7212 -INT RH US26D	US26D
2	Pivot	Ives 7212 -SET LH US26D	US26D
2	Pivot	Ives 7212 -SET RH US26D	US26D
2	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 96" Door	US26D
2	Exit Device	Von Duprin RX-3349A-NL US26D 388 US26D LH 36" x 96" Door	US26D/US26D
2	Cylinder	Schlage 20-079 Open 626	
4	Door Pull	Ives 8190HD-0 US32D O	US32D
2	Surface Closer	LCN 4040XP S CUSH AL MC	AL
2	Electronic Closer	LCN 4642 REG AL	AL
2	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Threshold	Zero 657A 72" V3 224	A
4	Miscellaneous Hardware	LCN 8310-853T AL	AL

NL-OP

match EAB
existing
hardware - dark
bronze.

818T

Exterior operator: bollard mount.
Interior operator: mullion mount

PRIMUS CORE BY OTHERS

Provide operations description.

(no delayed if
automatic opener)

Heading #4 (Group: 04)

Item #5

1 Pair of doors XC250

x200A.2 per rfi 283

xc200a.2 per
087100.01

36", 36" x 84" x 1 3/4" - AL DR x AL FR

7215 series as spec'd

1	Pivot	Ives 7212 -INT LH US26D	US26D
1	Pivot	Ives 7212 -INT RH US26D	US26D
1	Pivot	Ives 7212 -SET LH US26D	US26D
1	Pivot	Ives 7212 -SET RH US26D	US26D
1	Exit Device	Von Duprin 3349A-EO US26D RH 36" x 84" Door	US26D
1	Exit Device	Von Duprin RX-3349A-NL US26D 388 US26D LH 36" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-853T AL	AL

NL-OP

Exterior operator: bollard mount.
Interior operator: See interior vestibule
group (Group 30)

Provide operations description.

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Heading #5 (Group: 05)

Item #6 1 Single door XC230

XC250A.1

Are 2 required for door ?

40" x 84" x 1 3/4" - AL DR x AL FR

NL-OP

2	Pivot	Ives 7215 - INT LH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Exit Device	Von Duprin RX-33A-NL US26D 388 US26D LH 40" x 84" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Ives 8190HD-0 US32D O	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A
2	Miscellaneous Hardware	LCN 8310-853T AL	AL

818T

Exterior operator: bollard mount.
Interior operator: mullion mount

PRIMUS CORE BY OTHERS

Provide operations description.

Heading #6 (Group: 06)

Item #7 1 Single door 389.1

Item #8 1 Single door 478.1

Item #9 1 Single door 489.1

spec section
087100.03

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND80TD RHO 626	626
3	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
3	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

Heading #7 (Group: 06A)

Item #10 1 Single door 282.1

Item #11 1 Single door 292.1

Item #12 1 Single door 386.1

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND80TD RHO 626	626
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

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Heading #8 (Group: 13A)

Item #13

1 Single door 137

36" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

Heading #9 (Group: 13A)

Item #14

1 Single door 235

42" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

spec section
087100.03

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Heading #10 (Group: 13B)

Item #15

1 Single door 231

36" x 86" x 1 3/4" - AL DR x AL FR

1	Continuous Hinge	Ives 112HD-85" US28 EPT	US28
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Gasketing	Zero 188S-CI 36" x 86"	-CI
1	Gasketing	Zero 3551A 36"	A
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

Heading #11 (Group: 14)

Item #16

1 Single door 276.1

Item #17

1 Single door 283.1

Item #18

1 Single door 291.1

Item #19

1 Single door 374A

Item #20

1 Single door 383.1

Item #21

1 Single door 388.1

Item #22

1 Single door 472.1

Item #23

1 Single door 483.1

42" x 86" x 1 3/4" - AL DR x AL FR

24	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
8	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
8	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
8	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
8	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
8	Accessory	Von Duprin EPT-10 SP28 CON	SP28
8	Miscellaneous Item	Schlage 679-05HM	
8	Miscellaneous Item	Von Duprin CON-192	
24	Door Silencer	Ives SR64 GRY	GRY

spec section
087100.03

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Heading #12 (Group: 14A)

Item #24

1 Single door 135.1

42" x 86" x 1 3/4" - AL DR x AL FR

3	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND80TDEU RHO 626 N123-062 (RX)	626
1	Surface Closer	LCN 4040XP Rw/PA AL MC	AL
1	Overhead Door Stop	Glynn-Johnson 105S US32D	US32D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Miscellaneous Item	Schlage 679-05HM	
1	Miscellaneous Item	Von Duprin CON-192	
3	Door Silencer	Ives SR64 GRY	GRY

Heading #13 (Group: 18)

Item #25

1 Single door 131

Item #26

1 Single door 174

spec section
087100.03

42" x 86" x 1 3/4" - AL DR x AL FR

6	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
2	Lockset	Schlage ND70TD RHO 626	626
2	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
2	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
6	Door Silencer	Ives SR64 GRY	GRY

no kick plate in specs?

Heading #14 (Group: 18A)

Item #27

1 Single door 140.1

36" x 106 1/4" x 1 3/4" - AL DR x AL FR

4	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
1	Lockset	Schlage ND70TD RHO 626	626
1	Concealed Closer	LCN 2033 STD AL LH	AL
1	Overhead Door Stop	Glynn-Johnson 904S US32D	US32D
3	Door Silencer	Ives SR64 GRY	GRY

Heading #15 (Group: 19B)

Item #28

1 Single door 233

36" x 86" x 1 3/4" - AL DR x AL FR

1	Continuous Hinge	Ives 112HD-85" US28	US28
1	Lockset	Schlage ND70TD RHO 626	626
1	Wall Door Stop	Ives WS401/402CCV US26D	US26D
3	Door Silencer	Ives SR64 GRY	GRY

Heading #16 (Group: 20A)

Item #29

1 Pair of doors C153

spec section 087100.03

36", 36" x 106" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7212 - INT LH US26D	US26D
2	Pivot	Ives 7212 - INT RH US26D	US26D
1	Pivot	Ives 7212 - SET LH US26D	US26D
1	Pivot	Ives 7212 - SET RH US26D	US26D
1	Exit Device	Von Duprin RX2QEL-3349A-EO US26D RH CON 36" x 106" Door	US26D
1	Exit Device	Von Duprin RX2QEL-3349A-NL US26D 388 US26D LH CON 36" x 106" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
2	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Miscellaneous Item	Schlage 679-05HM	
2	Miscellaneous Item	Von Duprin CON-192	
2	Door Silencer	Ives SR64 GRY	GRY
2	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	Von Duprin PS904-900-4RL	

PRIMUS CORE BY OTHERS

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Heading #17 (Group: 26)

Item #30 1 Single door 276.2
 Item #31 1 Single door 283.2
 Item #32 1 Single door 291.2

42" x 86" x 1 3/4" - AL DR x AL FR

9	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
3	Lockset	Schlage ND25D RHO 626	626
3	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
3	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
3	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
9	Door Silencer	Ives SR64 GRY	GRY

spec section
087100.03

Heading #18 (Group: 29)

Item #33 1 Single door C230A

38" x 86" x 1 3/4" - AL DR x AL FR

1	Pivot	Ives 7215 - INT LH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Exit Device	Von Duprin RXQEL-33A-NL US26D 388 US26D LH CON 38" x 86" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
1	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Electronic Closer	LCN 4642 REG AL	AL
1	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
1	Accessory	Von Duprin EPT-10 SP28 CON	SP28
1	Threshold	Zero 657A 72" V3 224	A

PRIMUS CORE BY OTHERS

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Heading #19 (Group: 30)

Item #34

1 Pair of doors C250A

36", 36" x 94 1/2" x 1 3/4" - AL DR x AL FR

2	Pivot	Ives 7215 - INT LH US3	US3
2	Pivot	Ives 7215 - INT RH US3	US3
1	Pivot	Ives 7215 - SET US26D - LH	US26D
1	Pivot	Ives 7215 - SET US26D - RH	US26D
1	Exit Device	Von Duprin RX2QEL-3349A-EO US26D RH CON 36" x 94 1/2" Door	US26D
1	Exit Device	Von Duprin RX2QEL-3349A-NL US26D 388 US26D LH CON 36" x 94 1/2" Door	US26D/US26D
1	Cylinder	Schlage 20-079 Open 626	
2	Door Pull	Rockwood RM3340-60" US32D (60" CTC)	US32D
1	Surface Closer	LCN 4040XP S CUSH AL MC	AL
1	Electronic Closer	LCN 4642 REG AL	AL
2	Accessory	Von Duprin EPT-10 SP28 CON	SP28
2	Miscellaneous Item	Von Duprin CON-192	
1	Miscellaneous Hardware	LCN 8310-818T AL	AL
1	Miscellaneous Hardware	LCN 8310-855 AL	AL
1	Miscellaneous Hardware	Von Duprin PS904- 900-4RL	

PRIMUS CORE AND CARD READER BY OTHERS

spec section
087100.03

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Heading #20 (Group: 31)

- Item #35 1 Single door 284.1
- Item #36 1 Single door 284.2
- Item #37 1 Single door 378.1
- Item #38 1 Single door 378.2
- Item #39 1 Single door 383.2
- Item #40 1 Single door 388.2
- Item #41 1 Single door 391.1
- Item #42 1 Single door 391.2
- Item #43 1 Single door 472.2
- Item #44 1 Single door 480.1
- Item #45 1 Single door 480.2
- Item #46 1 Single door 488.1
- Item #47 1 Single door 488.2
- Item #48 1 Single door 491.1
- Item #49 1 Single door 491.2

42" x 86" x 1 3/4" - AL DR x AL FR

45	Standard Hinge	Ives 5BB1HW 4 1/2" x 4 1/2" 652	652
15	Lockset	Schlage ND70TD RHO 626	626
15	Surface Closer	LCN 4040XP Rw/PAAL MC	AL
15	Kick Plate	Ives 8400 US32D B-CS 10" x 40"	US32D
15	Overhead Door Stop	Glynn-Johnson 104S US32D	US32D
45	Door Silencer	Ives SR64 GRY	GRY



Allegion, PLC
6810 Hillsdale Ct.
Indianapolis, IN 46250 USA
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allegion.com

Submittal Review

Specification Section: 087100 Door Hardware

Date: 11/10/2016

Project: Webster University - ISB
Webster, MO

Firm: Cannon Design
Attn: Kelvin Patel
1100 Clark Ave
St. Louis, MO 63102
(314) 425-8756

Kelvin,

I have reviewed this submittal for the door hardware per specification section 087100. This review is for specification compliance based on the specifications submitted to you for the above referenced project. I did not review for doors and frames and nor did I respond to any questions or comments regarding doors and frames. The Contractor remains responsible for the accuracy and completeness of submittal including, but not limited to, dimensions, quantities, fabrication, and construction techniques. General Conditions of contract documents apply.

You will need to review the door and frame submittal for compliance based on your plans, door schedule, and door/frame elevations. If any changes were made through addenda or RFI please update my comments appropriately.

Submittal Action:

Door Hardware Submittal dated 10/31/16 -

Reviewed / Reviewed As Noted

Submittal Notes/Comments:

- Revise all closers to 4010/4110 DEL series per email revision
- Provide Exit Devices with NL-OP trim where specified versus the submitted NL trim

Door Hardware Submittal—

Note: The general comments are listed to save time for repetitious items, comments, and/or concerns. The specific comments listed for individual headings are subject to the general comments listed below.

1. General:
 - a. I did not review submittal for handing.
 - b. Operational Description: Operational Description, of openings with electrified hardware, needs to be included in the door hardware schedule. [Reference Section 087100, Article 1.3.C.3.]

Please remind the contractor to coordinate the hardware being supplied by the Aluminum Door supplier with the hardware from this package. The hardware for aluminum doors is specified in Section 087100. This submittal references aluminum hardware as “by others”. All the hardware is required to be of the same manufacturer and model and meet the requirements of Section 087100.

- ✓ Single Source Responsibility: Obtain each type of hardware (ie. latch and locksets, hinges, exit devices, closers, etc.) from a single manufacturer. [Reference Section 087100, Article 1.4.D.]

The door hardware specification includes some project controls to assist in a smooth project. Please remind the general contractor of the following specification items in Section 087100:

- ✓ Article 1.3.C.3.I.3. Riser and Wiring Diagram – Please advise hardware supplier to provide riser and (point-to-point) Wiring Diagrams per approved finish hardware schedule.
- ✓ Articles 1.3.D. and 2.6. Keying – Please advise the hardware supplier to schedule and complete the keying conference prior to ordering hardware to avoid issues with keying or lock functions.
- ✓ Articles 1.6. and 1.7. Coordination – Please advise general contractor to schedule pre-installation, installation coordination, and electrified hardware coordination conferences prior to installation of any finish hardware.

Also, put the following items on the check-list at project completion time:

- ✓ Article 3.1 Installation
- ✓ Articles 3.1.L and 3.2 Adjustment and Field Inspections

As a reminder the following services are available to you for this project:

- ✓ Provide product training to installers.
- ✓ Assist you with “Jobsite Inspection” and creation of a detailed punch-list.
- ✓ Provide product training to owner.

Please review and contact us at the above telephone number or via email at aaron.owens@allegion.com with any questions or if you need further assistance. Thank you for your time and allowing me to follow up on this project.

Sincerely,

Aaron Owens

<Aaron Owens>