Addendum One/ITB 4352

Metro
600 NE Grand Ave.
Portland, OR 97232-2736

Issued on March 25, 2025

OCC Door Access Controls and Door Replacements

The following information in this addendum, hereby become part of the Invitation to Bid . It is essential that all prospective Bidders note the content of this Addendum.

Prebid/Preproposal Conference was held on March 6, 2025 at 10 a.m. at OCC north entrance lobby.

Important Dates:
Second prebid/preproposal conference on April 2, 2025, at 1 p.m. at the OCC north entrance lobby.

Clarifications:
There is no Alternate Package 14. There are only Altenate Pakcates 1-13, you do not need to give budgetary costs for Alternate Package 14.

Additions and Deletions:
Updated drawings and specifications are attached to this Addendum.

- Descoped door 1166 and associated hardware set (No. 10) removed from the spec
- Hardware set for door 1832B (No. 18) modified to remove access controls (aligned spec with drawings)
- Hardware set for door A112B removed from the spec (No. 42) because it is getting demoed, not new hardware
- New hardware set for 3 doors (No. 38-REV) added to spec and indicated in the door schedule to capture the lack of access controls here (aligned spec with drawings)
- T612 added back to set, Access Control Matrix

Questions and Answers:

1. Question: What kind of tape off is required to keep OCC event attendees out of construction areas?
   Answer: Contractor will supply signage indicating active construction, candle sticks, clearly marked caution tape, and other similar materials will be required for tape off of construction areas.

2. Question: Should costs for drywall patching, repair and painting be included in the bid price? Or will the OCC cover these costs?
   Answer: Yes, all costs associated with drywall patching, repair, and painting must be included in the bid price. OCC is not responsible for providing coverage for these costs.

3. Question: Where should door hardware be included in the bid?

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Answer: Door hardware costs should be included in the schedule of bid prices for both base and alternate bids. Costs for each Base and Alternate Package should include all work required to complete that package.

4. Question: Please provide additional information on glass doors that were seen at the walkthrough?
   Answer: Glass doors are included in alternate packages 2, 3, and 6. Please see Question 6 for more information regarding prioritization of bid alternates.

5. Question: Is there a need for a fire alarm permit?
   Answer: Yes, a fire alarm permit is required for doors with fire/life closers or that require coordination with OCC's fire alarm system. Contractor is also responsible for all trades permits.

6. Question: Can you clarify the bid alternates? Is there a prioritization of the bid alternates?
   Answer: Alternate Packages 2, 3 and 10 are priority for construction costs.

7. Question: Are you basing the bid alternates on construction budget numbers or actual construction costs?
   Answer: Construction costs are requested for Alternate Packages 2, 3 and 10. Budgetary costs maybe given on all other Alternate Packages – Budgetary costs will not be used in the selection of Base/Alternate packages or contract award.

8. Are bid alternates in order of preference?
   Answer: Construction costs are requested for Alternate Packages 2, 3 and 10. Bid alternates have been prioritized below and indicate whether actual construction costs or budgetary costs are needed.

Priority	Description	Construction costs	Budgetary costs
4	Alt Package 1		X
1	Alt Package 2	X	
2	Alt Package 3	X	
5	Alt Package 4		X
6	Alt Package 5		X
7	Alt Package 6		X
8	Alt Package 7		X
9	Alt Package 8		X
10	Alt Package 9		X
3	Alt Package 10	X	

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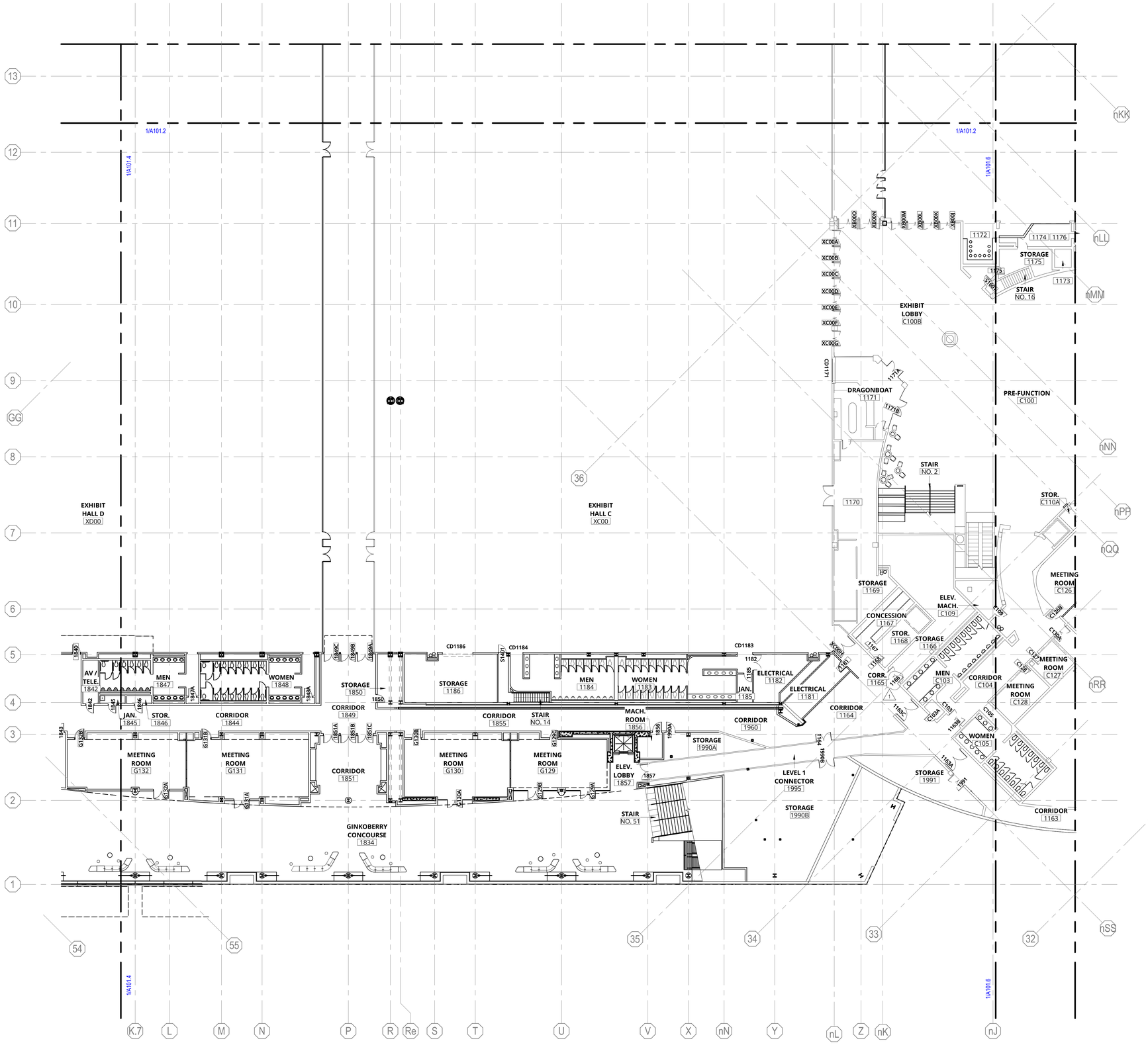
11	Alt Package 11		X
12	Alt Package 12		X
13	Alt Package 13		X
~~14~~	~~Alt Package 14~~		



1 LEVEL 1 - FLOOR PLAN SECTOR 5

SCALE: 1/16" = 1'-0"

LEGEND

- ##### DOOR NUMBER (HARDWARE TO BE UPDATED)
- ##### DOOR NUMBER (FOR REF. ONLY, NIS)
- DA DOOR ACTUATOR
- ROOM NAME / ##### ROOM NAME / ROOM NUMBER

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A COLLABORATION OF YGH & INTEGRUS ARCHITECTURE
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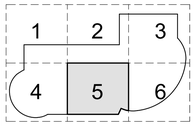

SECTOR KEY PLAN N

Oregon Metro
Metro OCC Door Access Control
777 NE Martin Luther King Jr. Blvd.
Portland, OR 97232

Date:	3/19/25
Job No.:	22349.00
Drawn By:	WB
Checked by:	EC

Revisions

#	Date	Description
0	2/28/25	BID SET
1	3/19/25	ADDENDUM 1

LEVEL 1 - FLOOR PLAN SECTOR 5

A101.5

BID SET

DOOR ACCESS CONTROL SCHEDULE

DOOR NUMBER	LEVEL	TO ROOM	TO ROOM NUMBER	DOOR				NEW OR EXISTING DOOR	HARDWARE SET	RATING	FRAME		FINISH	DSM	CR	DAC	COMMENTS
				TYPE	WIDTH	HEIGHT	MATERIAL				TYPE	MATERIAL					
ALTERNATE 6																	
1106	LEVEL 1	FIRST AID	1106	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	4	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
1110	LEVEL 1	STORAGE	1110	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	5	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
1113	LEVEL 1	STORAGE	1113	F1	3'-0"	8'-0"	HM	MODIFY EXISTING	6	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	DOOR SWING PAST 90 DEG.
1129	LEVEL 1	STORAGE	1129	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	7	NR?	E	HM	PAINT TO MATCH EXISTING				
1168	LEVEL 1	STORAGE	1168	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
1171B	LEVEL 1	DRAGONBOAT	1171	F2	6'-0"	8'-0"	GLASS	MODIFY EXISTING	63	20 MIN	CW		GLASS		•		PUSH TO EXIT BUTTON ADJACENT TO DOOR, REF. DETAIL 1/A612
1175	LEVEL 1	STORAGE	1175	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
1176	LEVEL 1	URBAN CHEESE	1176	F2	5'-0"	8'-0"	HM	MODIFY EXISTING	51	90 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
1180A	LEVEL 1	PORTLAND COFFEE ROASTER	1180	F2	6'-0"	8'-0"	GLASS	MODIFY EXISTING	64	20 MIN	CW		GLASS		•		PUSH TO EXIT BUTTON ADJACENT TO DOOR, REF. DETAIL 1/A612
1181	LEVEL 1	ELEC.	1181	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	12	20 MIN	F	HM	PAINT TO MATCH EXISTING	•		•	
1191B	LEVEL 1	SERVICE CORRIDOR	1191	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	13	60 MIN	E	HM	PAINT TO MATCH EXISTING	•			DOOR IS PART OF VERTICAL LIFT ASSEMBLY
1191C	LEVEL 1	SERVICE CORRIDOR	1191	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	13	60 MIN	E	HM	PAINT TO MATCH EXISTING	•			DOOR IS PART OF VERTICAL LIFT ASSEMBLY
1836A	LEVEL 1	CONCESSION	1836	F2	6'-0"	8'-0"	GLASS	MODIFY EXISTING	63	20 MIN	CW		GLASS		•		PUSH TO EXIT BUTTON ADJACENT TO DOOR, REF. DETAIL 1/A612
1836B	LEVEL 1	CONCESSION	1836	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
1839	LEVEL 1	PORTLAND COFFEE ROASTER	1839	F2	6'-0"	8'-0"	GLASS	MODIFY EXISTING	64	20 MIN	CW		GLASS		•		PUSH TO EXIT BUTTON ADJACENT TO DOOR, REF. DETAIL 1/A612
1840	LEVEL 1	SERVICE CORRIDOR	1840	F1	4'-0"	8'-0"	HM	REPLACE DOOR AND FRAME	19	90 MIN	B	HM	PAINT TO MATCH EXISTING	•	•	•	EXISTING DOOR IS 36" WIDE. REPLACE WITH 48" DOOR.
1844	LEVEL 1	CORRIDOR	1844	F2	6'-0"	8'-0"	HM	REPLACE DOOR	20	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
1849A	LEVEL 1	CORRIDOR	1849	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	21	90 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
1849B	LEVEL 1	CORRIDOR	1849	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	21	90 MIN	E	HM	PAINT TO MATCH EXISTING	•		•	
1849C	LEVEL 1	CORRIDOR	1849	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	21	90 MIN	E	HM	PAINT TO MATCH EXISTING	•		•	
1871A	LEVEL 1	CONCESSION	1871	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	NR	B	HM	PAINT TO MATCH EXISTING	•	•	•	
1871B	LEVEL 1	CONCESSION	1871	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	NR	B	HM	PAINT TO MATCH EXISTING	•	•	•	
1871D	LEVEL 1	CONCESSION	1871	F1	3'-0"	8'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
CD1836A	LEVEL 1	CONCESSION	1836	CD	18'-4"	10'-0"	HM	MODIFY EXISTING	61	90 MIN	CD	CD	PAINT TO MATCH EXISTING	•			
CD1836B	LEVEL 1	CONCESSION	1836	CD	10'-0"	11'-3"	HM	MODIFY EXISTING	61	60 MIN	CD	CD	PAINT TO MATCH EXISTING	•			
CD1871A	LEVEL 1	CONCESSION	1871	CD	24'-0"	10'-0"	HM	MODIFY EXISTING	61	NR	CD	CD	PAINT TO MATCH EXISTING	•			
CD1871B	LEVEL 1	CONCESSION	1871	CD	20'-0"	10'-0"	HM	MODIFY EXISTING	61	NR	CD	CD	PAINT TO MATCH EXISTING	•			
G129C	LEVEL 1	MEETING ROOM	G129	F1	4'-0"	7'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
G130B	LEVEL 1	MEETING ROOM	G130	F1	4'-0"	7'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
G131B	LEVEL 1	MEETING ROOM	G131	F1	4'-0"	7'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
G132B	LEVEL 1	MEETING ROOM	G132	F1	4'-0"	7'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
S0901	LEVEL 1	STAIR	NO. 9	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
S1601	LEVEL 1	STAIR	NO. 16	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
ALTERNATE 6: 33																	
ALTERNATE 7																	
1191A	LEVEL 1	SERVICE CORRIDOR	1191	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	13	60 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	DOOR IS PART OF VERTICAL LIFT ASSEMBLY
XA00A	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	PAINT TO MATCH EXISTING	•	•	•	
XA00B	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00C	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00D	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00E	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00F	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00G	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XA00Q	LEVEL 1	EXHIBIT HALL A	XA00	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	50	NR	A	HM	PAINT TO MATCH EXISTING	•	•	•	
XA00R	LEVEL 1	EXHIBIT HALL A	XA00	F2	8'-0"	8'-0"	HM	REPLACE DOOR AND FRAME	51	90 MIN	G	HM	PAINT TO MATCH EXISTING	•	•	•	
XA10A	LEVEL 1	EXHIBIT HALL A1	XA10	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	52	20 MIN	A	HM	PAINT TO MATCH EXISTING				
XA10B	LEVEL 1	EXHIBIT HALL A1	XA10	F1	3'-0"	8'-0"	HM	MODIFY EXISTING	53	20 MIN	B	HM	PAINT TO MATCH EXISTING	•	•	•	
XB00A	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-10"	8'-10"	HM	MODIFY EXISTING	48	90 MIN	H	HM	PAINT TO MATCH EXISTING	•	•	•	DOOR IS PART OF VERTICAL LIFT ASSEMBLY
XB00B	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-10"	8'-10"	HM	MODIFY EXISTING	49	90 MIN	H	HM	PAINT TO MATCH EXISTING	•			DOOR IS PART OF VERTICAL LIFT ASSEMBLY
XB00C	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	PAINT TO MATCH EXISTING	•	•	•	
XB00D	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XB00E	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XB00F	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XB00G	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	PAINT TO MATCH EXISTING	•	•	•	
XB00H	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	54	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XB00I	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	54	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XB00J	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	ACCENT COLOR	•	•	•	
XB00K	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XB00L	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XB00M	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XB00N	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-10"	8'-10"	HM	MODIFY EXISTING	55	90 MIN	H	HM	ACCENT COLOR	•	•	•	DOOR IS PART OF VERTICAL LIFT ASSEMBLY
XB00O	LEVEL 1	EXHIBIT HALL B	XB00	F2	6'-10"	8'-10"	HM	MODIFY EXISTING	56	90 MIN	H	HM	ACCENT COLOR				DOOR IS PART OF VERTICAL LIFT ASSEMBLY
XC00A	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	ACCENT COLOR	•	•	•	
XC00B	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XC00C	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XC00D	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XC00E	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XC00F	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	ACCENT COLOR				
XC00G	LEVEL 1	EXHIBIT HALL C	XC00	F2	6'-0"	9'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XC00H	LEVEL 1	EXHIBIT HALL C	XC00	F2	8'-0"	7'-0"	HM	MODIFY EXISTING	3	90 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
XC10A	LEVEL 1	EXHIBIT HALL C1	XC10	F2	6'-0"	8'-0"	HM	REPLACE DOOR	52	20 MIN	A	HM	PAINT TO MATCH EXISTING				
XC10B	LEVEL 1	EXHIBIT HALL C1	XC10	F1	3'-0"	8'-0"	HM	REPLACE DOOR	53	20 MIN	B	HM	PAINT TO MATCH EXISTING	•	•	•	
XC10C	LEVEL 1	EXHIBIT HALL C1	XC10	F2	6'-0"	8'-0"	HM	REPLACE DOOR	52	20 MIN	A	HM	PAINT TO MATCH EXISTING				
XC10D	LEVEL 1	EXHIBIT HALL C1	XC10	F1	3'-0"	8'-0"	HM	REPLACE DOOR	53	20 MIN	B	HM	PAINT TO MATCH EXISTING	•	•	•	
XD00A	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	PAINT TO MATCH EXISTING	•	•	•	
XD00B	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XD00C	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XD00D	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XD00E	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XD00F	LEVEL 1	EXHIBIT HALL D	XD00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XD10A	LEVEL 1	EXHIBIT HALL D1	XD10	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	52	60 MIN	A	HM	PAINT TO MATCH EXISTING	•	•	•	
XD10B	LEVEL 1	EXHIBIT HALL D1	XD10	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	52	60 MIN	A	HM	PAINT TO MATCH EXISTING	•			
XD10C	LEVEL 1	EXHIBIT HALL D1	XD10	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	52	60 MIN	A	HM	PAINT TO MATCH EXISTING	•			
XE00A	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	57	90 MIN	H	HM	PAINT TO MATCH EXISTING	•	•	•	
XE00B	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	58	90 MIN	H	HM	PAINT TO MATCH EXISTING				
XE00C	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	48	90 MIN	C	HM	PAINT TO MATCH EXISTING	•	•	•	
XE00D	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XE00E	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XE00F	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	49	90 MIN	C	HM	PAINT TO MATCH EXISTING				
XE00G	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	59	60 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	USE EXISTING J-BOX
XE00H	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	60	60 MIN	H	HM	PAINT TO MATCH EXISTING	•	•	•	USE EXISTING J-BOX
XE00I	LEVEL 1	EXHIBIT HALL E	XE00	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	60	60 MIN	H	HM	PAINT TO MATCH EXISTING	•			
ALTERNATE 7: 57																	

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DOOR ACCESS CONTROL GENERAL NOTES

1. Door thickness is 2", typ.
2. Verify door width and height dimensions in field. Match to existing width and heights UNO.
3. Replace door signage as needed, per owner's requirements.

ABBREVIATIONS
DSM = Door Sensor Monitor
CR = Card Reader
DAC = Door Access Controls

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A COLLABORATION OF YGH & INTEGRUS ARCHITECTURE
727 SW WASHINGTON, SUITE 1200 · PORTLAND, OR 97205
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Oregon Metro
Metro OCC Door Access Control
777 NE Martin Luther King Jr. Blvd.
Portland, OR 97232

Date:	3/19/25
Job No.:	22349.00
Drawn By:	WB
Checked by:	EC

Revisions

#	Date	Description
0	2/28/25	BID SET
1	3/19/25	ADDENDUM 1

ACCESS CONTROL DOOR TYPES & SCHEDULE

A604

BID SET

DOOR ACCESS CONTROL SCHEDULE

DOOR NUMBER	LEVEL	TO ROOM	TO ROOM NUMBER	DOOR				NEW OR EXISTING DOOR	HARDWARE SET	RATING	FRAME		FINISH	DSM	CR	DAC	COMMENTS
				TYPE	WIDTH	HEIGHT	MATERIAL				TYPE	MATERIAL					
ALTERNATE 8																	
3005A	LEVEL 2	STORAGE	3005	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3005B	LEVEL 2	STORAGE	3005	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3016A	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	29	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
3016B	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3016C	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3016D	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3016E	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3016F	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3016G	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	29	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
3016H	LEVEL 2	SKYVIEW TERRACE	3016	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	30	20 MIN	E	HM	PAINT TO MATCH EXISTING				
3088	LEVEL 2	SEC. STOR.	3088	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3090A	LEVEL 2	CORRIDOR	3090	F1	3'-0"	7'-0"	HM	REPLACE DOOR	11	90 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3090B	LEVEL 2	CORRIDOR	3090	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3091	LEVEL 2	AV CONTROL RM	3091	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3092	LEVEL 2	AV	3092	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3094	LEVEL 2	OCC EQUIP STOR.	3094	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
3900A	LEVEL 2	CORRIDOR	3900	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	33	NR	E	HM	PAINT TO MATCH EXISTING	•	•	•	
3900B	LEVEL 2	CORRIDOR	3900	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	33	NR	E	HM	PAINT TO MATCH EXISTING	•	•	•	
ALTERNATE 8: 18																	
ALTERNATE 9																	
1199	LEVEL 1	??	1199	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	5	20MIN	A	HM	PAINT TO MATCH EXISTING	•	•	•	
1200A	LEVEL 1	TOOL ROOM	1200	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	5	20MIN	A	HM	PAINT TO MATCH EXISTING	•	•	•	
1200B	LEVEL 1	TOOL ROOM	1200	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	5	NR	E	HM	PAINT TO MATCH EXISTING	•	•	•	
1200C	LEVEL 1	TOOL ROOM	1200	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	4	NR	F	HM	PAINT TO MATCH EXISTING	•	•	•	
1201	LEVEL 1	TECHNICAL SERVICE DEPARTMENT	1201	F2	6'-0"	7'-0"	HM	MODIFY EXISTING	5	20MIN	A	HM	PAINT TO MATCH EXISTING	•	•	•	
S1201	LEVEL 1	STAIR	NO. 12	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	11	NR	B	HM	PAINT TO MATCH EXISTING	•	•	•	
ALTERNATE 9: 6																	
ALTERNATE 10																	
S6510	PARKING LEVEL 1	STAIR	NO. 65	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	38-REV	90 MIN	F	HM	PAINT TO MATCH EXISTING				
S6520	PARKING LEVEL 2	STAIR	NO. 65	F1	3'-0"	7'-0"	HM	MODIFY EXISTING	38-REV	90 MIN	F	HM	PAINT TO MATCH EXISTING				
ALTERNATE 10: 2																	
ALTERNATE 11																	
1832B	LEVEL 1	VESTIBULE	1832	F2	6'-0"	8'-0"	HM	REPLACE DOOR	18	20 MIN	E	HM	PAINT TO MATCH EXISTING				
D133B	LEVEL 1	MEETING ROOM	D133	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	45	NR	F	HM	PAINT TO MATCH EXISTING	•	•	•	
D134B	LEVEL 1	MEETING ROOM	D134	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	45	NR	F	HM	PAINT TO MATCH EXISTING	•	•	•	
F149B	LEVEL 1	MEETING ROOM	F149	F2	8'-0"	8'-0"	HM	MODIFY EXISTING	46	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
F150B	LEVEL 1	MEETING ROOM	F150	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
F151B	LEVEL 1	MEETING ROOM	F151	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
F152B	LEVEL 1	MEETING ROOM	F152	F2	8'-0"	8'-0"	HM	MODIFY EXISTING	46	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
ALTERNATE 11: 7																	
ALTERNATE 12																	
D135B	LEVEL 1	MEETING ROOM	D125	F2	8'-0"	8'-0"	HM	MODIFY EXISTING	46	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
D136B	LEVEL 1	MEETING ROOM	D136	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
D137B	LEVEL 1	MEETING ROOM	D137	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
D138B	LEVEL 1	MEETING ROOM	D138	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
D139B	LEVEL 1	MEETING ROOM	D139	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
D140B	LEVEL 1	MEETING ROOM	D140	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E141B	LEVEL 1	MEETING ROOM	E141	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E142B	LEVEL 1	MEETING ROOM	E142	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E143B	LEVEL 1	MEETING ROOM	E143	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E144B	LEVEL 1	MEETING ROOM	E144	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E145B	LEVEL 1	MEETING ROOM	E145	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	47	20 MIN	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E146B	LEVEL 1	MEETING ROOM	E146	F2	8'-0"	8'-0"	HM	MODIFY EXISTING	46	20 MIN	E	HM	PAINT TO MATCH EXISTING	•	•	•	
E147B	LEVEL 1	MEETING ROOM	E147	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	45	NR	F	HM	PAINT TO MATCH EXISTING	•	•	•	
E148B	LEVEL 1	MEETING ROOM	E148	F1	4'-0"	8'-0"	HM	MODIFY EXISTING	45	NR	F	HM	PAINT TO MATCH EXISTING	•	•	•	
S6501	LEVEL 1	STAIR	NO. 65	F1	3'-0"	8'-0"	HM	MODIFY EXISTING	38-REV	90 MIN	F	HM	PAINT TO MATCH EXISTING				
ALTERNATE 12: 15																	
ALTERNATE 13																	
1864	LEVEL 1	SERVICE CORRIDOR	1864	F2	6'-0"	8'-0"	HM	MODIFY EXISTING	24	90 MIN	E	HM	PAINT TO MATCH EXISTING	•			
ALTERNATE 13: 1																	
Grand total: 285																	

DOOR ACCESS CONTROL GENERAL NOTES

1. Door thickness is 2", typ.
2. Verify door width and height dimensions in field. Match to existing width and heights UNO.
3. Replace door signage as needed, per owner's requirements.

ABBREVIATIONS
DSM = Door Sensor Monitor
CR = Card Reader
DAC = Door Access Controls

INTEGRUS
A COLLABORATION OF YGH & INTEGRUS ARCHITECTURE
707 SW WASHINGTON, SUITE 1200 · PORTLAND, OR 97205
TELEPHONE: (503)221-0150 FAX: (503)295-0840

Oregon Metro
Metro OCC Door Access Control
777 NE Martin Luther King Jr. Blvd.
Portland, OR 97232

Date: 3/19/25
Job No.: 22349.00
Drawn By: WB
Checked by: EC

Revisions

#	Date	Description
0	2/28/25	BID SET
1	3/19/25	ADDENDUM 1

ACCESS CONTROL DOOR TYPES & SCHEDULE

A605

BID SET

ACCESS CONTROL MATRIX - OREGON CONVENTION CENTER

SHEET #	DOOR #	ROOM/SPACE ORIGINATION	EXISTING NODE CAPACITY PROVIDE NEW ACM	NEW NODE W/ ACM REQUIRED	DOOR HARDWARE SET
T101.1	XE00G	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1863	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1864	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1867B	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1868	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1871A	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1871B	IDF D1	YES	NO	SEE DIVISION 08
T101.1	1871D	IDF D1	YES	NO	SEE DIVISION 08
T101.1	XE00H	IDF E1	YES	NO	SEE DIVISION 08
T101.1	XE00I	IDF E1	YES	NO	SEE DIVISION 08
T101.2	XD10A	IDF E1	YES	NO	SEE DIVISION 08
T101.2	XD10B	IDF E1	YES	NO	SEE DIVISION 08
T101.2	XD10C	IDF E1	YES	NO	SEE DIVISION 08
T101.2	1911A	IDF E1	YES	NO	SEE DIVISION 08
T101.2	1911B	IDF E1	YES	NO	SEE DIVISION 08
T101.2	1911C	IDF E1	YES	NO	SEE DIVISION 08
T101.2	S1201	IDF 7	YES	NO	SEE DIVISION 08
T101.2	XA10B	IDF 7	YES	NO	SEE DIVISION 08
T101.2	1201	IDF 7	YES	NO	SEE DIVISION 08
T101.2	1199	IDF 6	NO	YES	SEE DIVISION 08
T101.2	1200A	IDF 6	NO	YES	SEE DIVISION 08
T101.2	1200B	IDF 6	NO	YES	SEE DIVISION 08
T101.2	1200C	IDF 6	NO	YES	SEE DIVISION 08
T101.2	XC10B	IDF 6	NO	YES	SEE DIVISION 08
T101.2	XC10D	IDF 6	NO	YES	SEE DIVISION 08
T101.3	XA00Q	IDF 7	YES	NO	SEE DIVISION 08
T101.3	XA00A	IDF 6	NO	YES	SEE DIVISION 08
T101.3	XB00A	IDF 6	NO	YES	SEE DIVISION 08
T101.3	XB00C	IDF 6	NO	YES	SEE DIVISION 08
T101.3	1106	IDF 6	NO	YES	SEE DIVISION 08
T101.3	S0901	IDF 6	NO	YES	SEE DIVISION 08
T101.3	XA00B	IDF 5	NO	YES	SEE DIVISION 08
T101.3	1110	IDF 5	NO	YES	SEE DIVISION 08
T101.3	1113	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A101	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A102	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A103A	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A103B	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A104A	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A104B	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A108A	IDF 5	NO	YES	SEE DIVISION 08
T101.3	A109A	IDF 5	NO	YES	SEE DIVISION 08
T101.4	1550	IDF A1	YES	NO	SEE DIVISION 08
T101.4	1650	IDF A1	YES	NO	SEE DIVISION 08
T101.4	1660	IDF A1	YES	NO	SEE DIVISION 08
T101.4	1670	IDF A1	YES	NO	SEE DIVISION 08
T101.4	1570	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D133A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D133B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D134A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D134B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D135A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D135B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D136A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D136B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D137A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D137B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D138A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D138B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D138A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D139B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D140A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	D140B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E141A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E141B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E142A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E142B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E143A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E143B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E144A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E144B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E145A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E145B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E146A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E146B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E147A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E147B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E148A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	E148B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F150A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F150B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F151A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F151B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F152A	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	F152B	CORRIDOR 1710	NO	YES	SEE DIVISION 08
T101.4	1836A	IDF C1	YES	NO	SEE DIVISION 08
T101.4	1836B	IDF C1	YES	NO	SEE DIVISION 08
T101.4	CD1836B	IDF C1	YES	NO	SEE DIVISION 08
T101.4	1839	IDF C1	YES	NO	SEE DIVISION 08
T101.4	1840	IDF C1	YES	NO	SEE DIVISION 08
T101.4	1844	IDF C1	YES	NO	SEE DIVISION 08
T101.4	G132B	IDF C1	YES	NO	SEE DIVISION 08
T101.4	XD00A	IDF D1	YES	NO	SEE DIVISION 08
T101.4	XE00A	IDF D1	YES	NO	SEE DIVISION 08
T101.4	XE00C	IDF D1	YES	NO	SEE DIVISION 08
T101.4	1862	IDF D1	YES	NO	SEE DIVISION 08
T101.5	G131A	IDF C1	NO	YES	SEE DIVISION 08
T101.5	G131B	IDF C1	NO	YES	SEE DIVISION 08
T101.5	G132A	IDF C1	NO	YES	SEE DIVISION 08
T101.5	1849A	IDF C1	NO	YES	SEE DIVISION 08
T101.5	1849B	IDF C1	NO	YES	SEE DIVISION 08
T101.5	1849C	IDF C1	NO	YES	SEE DIVISION 08
T101.5	1851C	IDF C1	NO	YES	SEE DIVISION 08
T101.5	G129A	IDF 1	NO	YES	SEE DIVISION 08
T101.5	G129B	IDF 1	NO	YES	SEE DIVISION 08
T101.5	G130A	IDF 1	NO	YES	SEE DIVISION 08
T101.5	G130B	IDF 1	NO	YES	SEE DIVISION 08
T101.5	XC00H	IDF 1	YES	NO	SEE DIVISION 08
T101.5	1168	IDF 1	YES	NO	SEE DIVISION 08
T101.5	C126B	IDF 1	YES	NO	SEE DIVISION 08
T101.5	C127	IDF 1	YES	NO	SEE DIVISION 08
T101.5	C128	IDF 1	YES	NO	SEE DIVISION 08
T101.5	1175	IDF 3	NO	YES	SEE DIVISION 08
T101.5	1171B	IDF 3	NO	YES	SEE DIVISION 08
T101.5	XB00N	IDF 3	NO	YES	SEE DIVISION 08
T101.5	XC00A	IDF 3	NO	YES	SEE DIVISION 08
T101.5	XB00J	IDF 3	NO	YES	SEE DIVISION 08
T101.6	1176	IDF 3	NO	YES	SEE DIVISION 08
T101.6	1180A	IDF 3	NO	YES	SEE DIVISION 08
T101.6	XB00G	IDF 3	NO	YES	SEE DIVISION 08
T101.6	C126A	IDF 1	NO	YES	SEE DIVISION 08
T101.6	A105A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A105B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A106A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A106B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A106C	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A107A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A107B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A108A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A108B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A109A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	A109B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B110A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B110B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B111A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B111B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B112A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B112B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B113A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B113B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B113C	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B113D	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B114A	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B114B	CORRIDOR 1133	NO	YES	SEE DIVISION 08
T101.6	B115A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B115B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B115C	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B116C	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B116D	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B117B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B118B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	B119B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C120A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C120B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C121A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C121B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C122A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C122B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C123A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C123B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C123C	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C124A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C124B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C125A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	C125B	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	1142A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	1151	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	1161	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T101.6	1161A	CORRIDOR 1152	NO	YES	SEE DIVISION 08
T103.1	3900	IDF G3	NO	YES	SEE DIVISION 08
T103.1	3920	IDF G3	NO	YES	SEE DIVISION 08
T103.3	3005A	IDF 10	YES	NO	SEE DIVISION 08
T103.3	3005B	IDF 10	YES	NO	SEE DIVISION 08
T103.3	3016G	IDF 10	YES	NO	SEE DIVISION 08
T103.3	3026	IDF 10	YES	NO	SEE DIVISION 08
T103.3	3034	IDF 10	YES	NO	SEE DIVISION 08
T103.3	3042	IDF 10	YES	NO	SEE DIVISION 08
T103.4	251A	IDF F3	NO	YES	SEE DIVISION 08
T103.4	251B	IDF F3	NO	YES	SEE DIVISION 08
T103.4	251C	IDF F3	NO	YES	SEE DIVISION 08
T103.4	252A	IDF F3	NO	YES	SEE DIVISION 08
T103.4	252B	IDF F3	NO	YES	SEE DIVISION 08
T103.4	253A	IDF F3	NO	YES	SEE DIVISION 08
T103.4	253B	IDF F3	NO	YES	SEE DIVISION 08
T103.4	254A	IDF G3	NO	YES	SEE DIVISION 08
T103.4	254B	IDF G3	NO	YES	SEE DIVISION 08
T103.4	255A	IDF G3	NO	YES	SEE DIVISION 08
T103.4	255B	IDF G3	NO	YES	SEE DIVISION 08
T103.4	256A	IDF G3	NO	YES	SEE DIVISION 08
T103.4	256B	IDF G3	NO	YES	SEE DIVISION 08
T103.4	256C	IDF G3	NO	YES	SEE DIVISION 08
T103.4	257	IDF G3	NO	YES	SEE DIVISION 08
T103.4	258	IDF F3	NO	YES	SEE DIVISION 08
T103.4	3511	MECHANICAL MEZZANINE	YES	NO	SEE DIVISION 08
T103.4	3514B	MECHANICAL MEZZANINE	YES	NO	SEE DIVISION 08
T103.4	3531A	MECHANICAL MEZZANINE	YES	NO	SEE DIVISION 08
T103.4	3537	IDF G3	NO	YES	SEE DIVISION 08
T103.4	3545	IDF G3	NO	YES	SEE DIVISION 08
T103.4	3547	IDF G3	NO	YES	SEE DIVISION 08
T103.4	3900A	IDF G3	NO	YES	SEE DIVISION 08
T103.4	3909	IDF G3	NO	YES	SEE DIVISION 08
T103.4	3910	IDF G3	NO	YES	SEE DIVISION 08
T103.5	3090B	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.5	3091	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.5	3503	MECHANICAL MEZZANINE	YES	NO	SEE DIVISION 08
T103.5	3507	MECHANICAL MEZZANINE	YES	NO	SEE DIVISION 08
T103.6	3000A	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3000B	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3090A	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3088	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3092	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3094	MECHANICAL 3095	NO	YES	SEE DIVISION 08
T103.6	3043	IDF 10	YES	NO	SEE DIVISION 08
T103.6	3043A	IDF 10	YES	NO	SEE DIVISION 08
T103.6	3053	IDF 9	YES	NO	SEE DIVISION 08
T103.6	3053A	IDF 9	YES	NO	SEE DIVISION 08
T103.6	3054	IDF 9	YES	NO	SEE DIVISION 08
T103.6	3063	IDF 9	YES	NO	SEE DIVISION 08

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Metro OCC Door Access Control
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Portland, OR 97232

Date: 2/28/25
Job No.: 22349.00
Drawn By: ED
Checked by: DT

Revisions

#	Date	Description
1	2/28/25	BID SET
2	3/19/25	ADDENDUM 1

DETAILS - TECHNOLOGY

T612

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets.
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
   a. "Metal Doors and Frames"
   b. "Flush Wood Doors"
   c. "Stile and Rail Wood Doors"
   d. "Interior Aluminum Doors and Frames"
   e. "Aluminum-Framed Entrances and Storefronts"
   f. "Stainless Steel Doors and Frames"
   g. "Special Function Doors"
   h. "Entrances"
6. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
7. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
   a. Review drawings and Sections from related trades to verify compatibility with specified hardware.
   b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
   a. Wiring Diagrams: For power, signal, and control wiring and including:
      1) Details of interface of electrified door hardware and building safety and security systems.
      2) Schematic diagram of systems that interface with electrified door hardware.
      3) Point-to-point wiring.
      4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.

a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule:
   a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
   b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
   c. Indicate complete designations of each item required for each opening, include:
      1) Door Index: door number, heading number, and Architect's hardware set number.
      2) Quantity, type, style, function, size, and finish of each hardware item.
      3) Name and manufacturer of each item.
      4) Fastenings and other pertinent information.
      5) Location of each hardware set cross-referenced to indications on Drawings.
      6) Explanation of all abbreviations, symbols, and codes contained in schedule.
      7) Mounting locations for hardware.
      8) Door and frame sizes and materials.
      9) Degree of door swing and handing.
      10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

5. Key Schedule:
   a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
   b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
   c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
   d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
   e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
   f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:
   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
   b. Include warranties for specified door hardware.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
b. Catalog pages for each product.
c. Final approved hardware schedule edited to reflect conditions as installed.
d. Final keying schedule
e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
   a. Fire door assemblies, in compliance with NFPA 80.
   b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
   a. For door hardware: DHI certified AHC or DHC.
   b. Can provide installation and technical data to Architect and other related subcontractors.
   c. Can inspect and verify components are in working order upon completion of installation.
   d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.

4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
   a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.

b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

2. Smoke and Draft Control Door Assemblies:
   a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
   b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

3. Electrified Door Hardware
   a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

4. Accessibility Requirements:
   a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference
   a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
      1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
      2) Preliminary key system schematic diagram.
      3) Requirements for key control system.
      4) Requirements for access control.
      5) Address for delivery of keys.

2. Pre-installation Conference
   a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
   b. Inspect and discuss preparatory work performed by other trades.
   c. Inspect and discuss electrical roughing-in for electrified door hardware.
   d. Review sequence of operation for each type of electrified door hardware.
   e. Review required testing, inspecting, and certifying procedures.
   f. Review questions or concerns related to proper installation and adjustment of door hardware.

3. Electrified Hardware Coordination Conference:
   a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.

C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.07 WARRANTY

A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
    a. Mechanical Warranty
        1) Locks
            a) Schlage L Series: 10 years
        2) Exit Devices
            a) Von Duprin: 10 years
        3) Closers
            a) LCN 4000 Series: 30 years
            b) LCN Concealed: 15 years
        4) Automatic Operators

a) LCN: 2 years

b. Electrical Warranty
   1) Locks
      a) Schlage: 3 year
   2) Exit Devices
      a) Von Duprin: 3 year
   3) Closers
      a) LCN: 2 years

1.08 MAINTENANCE

A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."

   1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.

B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.

C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fabrication

   1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer’s recognized installation standards for application intended.

2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with “Metal Doors and Frames”, “Flush Wood Doors”, “Stile and Rail Wood Doors” to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.

B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

C. Cable and Connectors:

1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Ives 5BB series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
   b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
   a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

5. 2 inches or thicker doors:
   a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.

8. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
   a. Steel Hinges: Steel pins
   b. Non-Ferrous Hinges: Stainless steel pins
   c. Out-Swinging Exterior Doors: Non-removable pins
   d. Out-Swinging Interior Lockable Doors: Non-removable pins
   e. Interior Non-lockable Doors: Non-rising pins

9. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.04 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. Ives 700 series

2. Acceptable Manufacturers:
   a. Markar

B. Requirements:

1. Provide pin and barrel continuous hinges conforming to ANSI/BHMA A156.26., Grade 1.
2. Provide pin and barrel continuous hinges fabricated from 14-gauge, type 304 stainless steel.
3. Provide twin self-lubricated nylon bearings at each hinge knuckle, with 0.25-inch (6 mm) diameter stainless steel pin.
4. Provide hinges capable of supporting door weights up to 600 pounds, and successfully tested for 1,500,000 cycles.
5. On fire-rated doors, provide pin and barrel continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide pin and barrel continuous hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. Ives 600 series

2. Acceptable Manufacturers:
   a. Markar

B. Requirements:

1. Provide pin and barrel continuous hinges conforming to ANSI/BHMA A156.26., Grade 1.

2. Provide pin and barrel continuous hinges fabricated from type 1012 cold rolled steel.
3. Provide twin self-lubricated nylon bearings at each hinge knuckle, with 0.25-inch (6 mm) diameter stainless steel pin.
4. Provide hinges capable of supporting door weights up to 600 pounds, and successfully tested for 1,500,000 cycles.
5. On fire-rated doors, provide pin and barrel continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide pin and barrel continuous hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.06 ELECTRIC POWER TRANSFER

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. Von Duprin EPT-10

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.07 PIVOT SETS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Rixson

B. Requirements:

1. Provide pivot sets complete with oil-impregnated top pivot, unless indicated otherwise.
2. Where offset pivots are specified, Provide one intermediate pivot for doors less than 91 inches (2311 mm) high and one additional intermediate pivot per leaf for each additional 30 inches (762 mm) in height or fraction thereof. Intermediate pivots spaced equally not less than 25 inches (635 mm) or not more than 35 inches (889 mm) on center, for doors over 121 inches (3073 mm) high.
3. Provide appropriate model where pivot sets are scheduled at fire rated openings.

4. Provide pivots with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electrified pivot nearest to electrified locking component. If manufacturer of electrified locking component requires another device for power transfer, then provide recommended power transfer device and appropriate quantity of pivots.
5. Provide mortar guard for each electric pivot specified, unless specified in hollow metal frame specification.

2.08 FLUSH BOLTS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. DCI
   b. Trimco

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.09 COORDINATORS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Trimco
   b. DCI

B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes, or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.10 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Schlage L9000 series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2-3/5-inch x 3/5 inch with 180-degree visibility. Provide messages color-coded using ANSI Z535 Safety Red with full text and/or symbols, as scheduled, for easy visibility. When applicable allows for lock status indication on both sides of the door.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches.
7. Provide motor based electrified locksets that comply with the following requirements:
   a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.
   b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case.
   c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
   d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
   e. Connections – provide quick-connect Molex system standard.

8. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
   a. Lever Design: <17A>.

2.11 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Von Duprin 98/35A series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide smooth touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.12 ELECTRIC STRIKES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Von Duprin 6000 Series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide electric strikes designed for use with type of locks shown at each opening.
2. Provide electric strikes UL Listed as burglary resistant that are tested to a minimum endurance test of 1,000,000 cycles.
3. Where required, provide electric strikes UL Listed for fire doors and frames.
4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

2.13 MAGNETIC LOCKS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Schlage

2. Acceptable Manufacturers:
   a. No Substitute

B. Requirements:

1. Provide magnetic locks certified to meet ANSI/BHMA A156.23 classification criteria, UL10C, and UL1034 for burglary-resistant electronic locking mechanisms.
2. Provide magnetic locks equipped with SPDT Magnetic Bond Sensing device, where specified, to monitor whether enough magnetic holding force exists to ensure adequate locking and SPDT Door Status Monitor device, where specified, to monitor whether door is open or closed. Provide bond sensors fully concealed within electromagnet to resist tampering or damage.
3. Provide fasteners, mounting brackets, and spacer bars required for mounting and details.
4. Provide power supply recommended and approved by manufacturer of magnetic locks.
5. Where magnetic locks are scheduled, provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of magnetic locks for each individual leaf. Switches control both doors simultaneously at pairs. Locate controls as directed by Architect.

2.14 PASSIVE INFRARED MOTION SENSORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Schlage SCAN II Series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide motion sensors as specified in hardware groups.

2.15 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. <Best Small Format - Verify Keyway>

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide cylinders/cores to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.

2.16 KEYING

A. Scheduled System:

1. Existing factory registered system:
   a. Provide cylinders/cores keyed into Owner's existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

B. Requirements:

1. Construction Keying:
   a. Replaceable Construction Cores.
      1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
         a) 3 construction control keys
         b) 12 construction change (day) keys.
      2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.

2. Permanent Keying:
   a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
      1) Master Keying system as directed by the Owner.
   b. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
   c. Provide keys with the following features:
      1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
      2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
   d. Identification:
      1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
      2) Identification stamping provisions must be approved by the Architect and Owner.
      3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
      4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
      5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
   e. Quantity: Furnish in the following quantities.
      1) Permanent Control Keys: 3.
      2) Master Keys: 6.
      3) Change (Day) Keys: 3 per cylinder/core that is keyed differently.
      4) Key Blanks: Quantity as determined in the keying meeting.

2.17 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN 4040XP series

2. Acceptable Manufacturers and Products:
   a. No Substitute
   b. Corbin-Russwin DC8000 series
   c. Sargent 281 series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, which secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.18 ELECTRO-MECHANICAL CLOSER/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. LCN

2. Acceptable Manufacturers:
   a. Rixson

B. Requirements:

1. Provide single-point or multi-point hold-open electro-mechanical closer/holders as specified. Coordinate voltage requirements and provide transformer if necessary.
2. Provide closer/holders that function as full rack and pinion door closer when current is interrupted or continuous hold-open is not engaged.
3. Provide door closers with fully hydraulic, full rack and pinion action with high strength cylinder and full complement bearings at shaft.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.19 ELECTRO-HYDRAULIC AUTOMATIC OPERATORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN 4600 series

2. Acceptable Manufacturers and Products:
   a. Besam Power Swing

B. Requirements:

1. Provide low energy automatic operator units with hydraulic closer complying with ANSI/BHMA A156.19.
2. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
3. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back-check, and opening and closing speed adjustment valves to control door.
4. Provide units with on/off switch for manual operation, motor start up delay, vestibule interface delay, electric lock delay, and door hold open delay.
5. Provide drop plates, brackets, and adapters for arms as required for details.
6. Provide actuator switches and receivers for operation as specified.
7. Provide weather-resistant actuators at exterior applications.
8. Provide key switches with LED's, recommended and approved by manufacturer of automatic operator as required for function described in operation description of hardware group below. Cylinders: Refer to "KEYING" article, herein.
9. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.
10. Provide units with vestibule inputs that allow sequencing operation of two units, and SPDT relay for interfacing with latching or locking devices.

2.20 ELECTRO-MECHANICAL AUTOMATIC OPERATORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN Senior Swing

2. Acceptable Manufacturers and Products:
   a. Besam Swingmaster MP

B. Requirements:

1. Provide low energy automatic operator units that are electro-mechanical design complying with ANSI/BHMA A156.19.
   a. Opening: Powered by DC motor working through reduction gears.
   b. Closing: Spring force.
   c. Manual, hydraulic, or chain drive closers: Not permitted.
   d. Operation: Motor is off when door is in closing mode. Door can be manually operated with power on or off without damage to operator. Provide variable adjustments, including opening and closing speed adjustment.
   e. Cover: Aluminum.

2. Provide units with manual off/auto/hold-open switch, push and go function to activate power operator, vestibule interface delay, electric lock delay, hold-open delay adjustable from 1 to 32 seconds, and logic terminal to interface with accessories, mats, and sensors.
3. Provide drop plates, brackets, and adapters for arms as required to suit details.
4. Provide motion sensors and/or actuator switches, and receivers for operation as specified. Provide weather-resistant actuators at exterior applications.
5. Provide key switches, with LED's, recommended and approved by manufacturer of automatic operator as required for function as described in operation description of hardware sets. Cylinders: Refer to "KEYING" article, herein.
6. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.

2.21 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Burns
   b. Trimco

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.

2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.22 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
   a. Glynn-Johnson

2. Acceptable Manufacturers:
   a. Rixson

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

2.23 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Burns
   b. Trimco

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other, and overhead stop cannot be used.

2.24 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Zero International

2. Acceptable Manufacturers:
   a. National Guard
   b. Reese
   c. Pemko

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.25 MAGNETIC HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. LCN

2. Acceptable Manufacturers:
   a. Rixson

B. Requirements:

1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

2.26 FINISHES

A. FINISH: BHMA 625/651 (US26); EXCEPT:

1. Hinges at Exterior Doors: BHMA 629 (US32)
2. Push Plates, Pulls, and Push Bars: BHMA 629 (US32)
3. Protection Plates: BHMA 629 (US32)
4. Overhead Stops and Holders: BHMA 629 (US32)
5. Door Closers: Powder Coat to Match
6. Wall Stops: BHMA 629 (US32)
7. Latch Protectors: BHMA 630 (US32D)
8. Weatherstripping: Clear Anodized Aluminum
9. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
2. Replace construction cores with permanent cores as indicated in keying section.
3. Furnish permanent cores to Owner for installation.

J. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:

1. Conduit, junction boxes and wire pulls.
2. Connections to and from power supplies to electrified hardware.
3. Connections to fire/smoke alarm system and smoke evacuation system.
4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
5. Connections to panel interface modules, controllers, and gateways.
6. Testing and labeling wires with Architect's opening number.

K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

L. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.

M. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

N. Overhead Stops/Holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

O. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

P. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

Q. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

R. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

S. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

T. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.
2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.04 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items per manufacturer's instructions to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.05 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Hardware Group No. 01

For use on Door #(s):

251A	251B	252A	252B	253A	253B
254A	254B	255A	255B	256A	256B
3511	B110A	B111A	B112A	B113A	B113B
B114A	B114B	B115A	B115B	B116A	B116B
B117A	B118A	B119A	D133A	D134A	D135A
D136A	D137A	D138A	D139A	D140A	E141A
E142A	E143A	E144A	E145A	E146A	E147A
E148A	F149A	F150A	F151A	F152A	

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	INTERMEDIATE PIVOT	7226F PT_INT TW8 CON_Y		630	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9847-L-DT-F-17-CON 24 VDC		626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9947-L-NL-F-17-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER		626	BES
1	EA	GASKETING	488SBK PSA		BK	ZER
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28			
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

PATCH, PLUG AND REPAIR FRAME AS REQUIRED.

Hardware Group No. 02

For use on Door #(s):
251C 256C 258

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS AND ADJUST AS REQUIRED PRIOR TO ORDERING. REUSE EXISTING CYLINDER. REPLACE DOORS AS REQUIRED.

Hardware Group No. 03

For use on Door #(s):
257 XC00H

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS AND ADJUST AS REQUIRED PRIOR TO ORDERING. REUSE EXISTING CYLINDER. REPLACE DOORS AS REQUIRED.

Hardware Group No. 04

For use on Door #(s):
1106 1200C

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
1	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED.

Hardware Group No. 05

For use on Door #(s):
1110 1199 1200A 1200B 1201

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
2	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH, PLUG AND REPAIR DOOR AS REQUIRED.

Hardware Group No. 06

For use on Door #(s):
1113 3026

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8		652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC		626	SCH
1	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ			SCH
1	EA	WIRE HARNESS	CON-6W			SCH
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28			
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. VERIFY HOLDER TYPE REQUIRED PRIOR TO ORDERING.

Hardware Group No. 07

For use on Door #(s):
1129

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		689	LCN
			REMAINDER OF HARDWARE EXISTING			

Hardware Group No. 08

For use on Door #(s):
1136 1142A 1151

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
2	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS			630	IVE
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. CUT HOLES FOR HARDWARE IN ARMOR PLATE AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. DOORS MAY NEED REPLACING.

Hardware Group No. 09

For use on Door #(s):
1161 1161A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
2	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH, PLUG AND REPAIR DOOR AS REQUIRED.

~~Hardware Group No. 10~~

~~For use on Door #(s):~~
~~1166~~

~~Provide each PR door(s) with the following:~~

~~QTY~~		~~DESCRIPTION~~	~~CATALOG NUMBER~~			~~FINISH~~	~~MFR~~
~~1~~	~~EA~~	~~ELECTRIC HINGE~~	~~5BB1HW 4.5 X 4.5 CON TW8~~			~~652~~	~~IVE~~
~~1~~	~~EA~~	~~EU MORTISE LOCK~~	~~L9092BDEU 17A RX CON 12/24 VDC~~			~~626~~	~~SCH~~
~~2~~	~~EA~~	~~SURFACE CLOSER~~	~~4040XP REG WMS~~			~~689~~	~~LCN~~
~~1~~	~~EA~~	~~WIRE HARNESS (DOOR)~~	~~CON-LENGTH AS REQ~~				~~SCH~~
~~1~~	~~EA~~	~~WIRE HARNESS~~	~~CON-6W~~				~~SCH~~
			~~ACCESS CONTROL - WORK OF DIVISION 28~~				
			~~DOOR CONTACT(S) - WORK OF DIV. 28~~				
			~~COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME~~				
			~~POWER SUPPLY - WORK OF DIVISION 28~~				
			~~REMAINDER OF HARDWARE EXISTING~~				

~~VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH, PLUG AND REPAIR DOOR AS REQUIRED. REPLACE ASA STRIKE.~~

Hardware Group No. 11

For use on Door #(s):

1168	1175	1836B	1871A	1871B	3005A
3005B	3088	3090A	3090B	3091	3092
3094	3514	3531A	3545	A101	A102
C127	C128	S0901	S1201	S1601	

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8		652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC		626	SCH
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ			SCH
1	EA	WIRE HARNESS	CON-6W			SCH
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28			
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. ADD 689 CLOSER COVER AND REPAINT ARMS AS REQUIRED.

Hardware Group No. 12

For use on Door #(s):
1181

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
1	EA	MAGNET	SEM7850 12V/24V/120V			689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. ADD CLOSER COVER AS REQUIRED. DO NOT RECOMMEND MAGNETIC HOLDER AT ELECTRICAL ROOMS DUE TO LIABILITY REASONS,

Hardware Group No. 13

For use on Door #(s):
1191A 1191B 1191C

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
2	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9827-L-DT-F-LBRAFL-17-499F-CON 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9827-L-NL-F-LBR-17-499F-CON 24 VDC			626	VON
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR DOORS AS REQUIRED. USE 5BB1HW X TW8 TRANSFER HINGES IF POSSIBLE OVER THE USE OF K-DL38A

Hardware Group No. 14

For use on Door #(s):
1516 1832A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8		652	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC		626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17 24 VDC		626	VON
1	EA	SURF. AUTO OPERATOR	9553 REG/STD STD72 MS AS REQ (120/240 VAC)		ANCLR	LCN
2	EA	ACTUATOR, TOUCH	8310-856T		630	LCN
2	EA	MOUNT BOX	8310-868S			LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	488SBK PSA		BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)		AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 15

For use on Door #(s):
1550 1570

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17 24 VDC			626	VON
2	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 16

For use on Door #(s):

1580 1590 1862 1863 3503 3507

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	EU MORTISE LOCK	L9492BDEU 17A 626 625 L583-363 RX LX DM CON 12/24 VDC			626	SCH
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC			630	VON
2	EA	ACTUATOR, TOUCH	8310-856T			630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR DOOR AND FRAME AS REQUIRED. FRAME WILL NEED TO BE REPLACED OR THE EXISTING FRAME WILL NEED TO BE RE-LABELED / CERTIFIED DUE TO THE NEW ELECTRIC STRIKE NEEDING TO BE ADDED. REUSE EXISTING AUTO OPERATOR.

Hardware Group No. 17

For use on Door #(s):
1650

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	ARMORED DOOR CORD	K-DL38A		689	KEE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC		626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17 24 VDC		626	VON
1	EA	SURF. AUTO OPERATOR	9553 REG/STD STD72 MS AS REQ (120/240 VAC)		ANCLR	LCN
2	EA	ACTUATOR, TOUCH	8310-856T		630	LCN
2	EA	MOUNT BOX	8310-868S			LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	488SBK PSA		BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)		AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 18

For use on Door #(s):
1832B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
~~1~~2	EA	CONT. HINGE	705			630	IVE
~~1~~	~~EA~~	~~CONT. HINGE~~	~~705 EPT~~			~~630~~	~~IVE~~
~~1~~	~~EA~~	~~POWER TRANSFER~~	~~EPT10 CON~~			~~689~~	~~VON~~
1	EA	AUTO FLUSH BOLT	~~FB31T~~FB32			630	IVE
1	EA	~~EU MORTISE~~CLASSROOM LOCK	~~L9092BDEU 17A RX CON 12/24 VDC~~ L9070BD 17A			626	SCH
1	EA	COORDINATOR	COR X FL			628	IVE
2	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
2	EA	MAGNET	SEM7850 12V/24V/120V			689	LCN
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	ASTRAGAL	383AA			AA	ZER
~~1~~	~~EA~~	~~WIRE HARNESS (DOOR)~~	~~CON-LENGTH AS REQ~~		~~X~~		~~SCH~~
~~1~~	~~EA~~	~~WIRE HARNESS~~	~~CON-6W~~		~~X~~		~~SCH~~
			~~ACCESS CONTROL - WORK OF DIVISION 28~~		~~X~~		
			~~DOOR CONTACT(S) - WORK OF DIV. 28~~		~~X~~		
			~~COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME~~				
			~~POWER SUPPLY - WORK OF DIVISION 28~~		~~X~~		
			~~REMAINDER OF HARDWARE EXISTING~~				

~~VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. CUT HOLES FOR HARDWARE IN ARMOR PLATE AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. DOORS MAY NEED REPLACING.~~

Hardware Group No. 19

For use on Door #(s):
1840

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	OH STOP	90S J			630	GLY
1	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
21	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VTRACK HOLDER CLOSER TO BE MOUNTED PUSH SIDE. SURFACE OVERHEAD STOP TO BE MOUNTED PULL SIDE. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 20

For use on Door #(s):
1844

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8		✓	652	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC		✓	626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC		✓	626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S J			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		✓	689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28		✓		
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME		✓		
			POWER SUPPLY - WORK OF DIVISION 28		✓		

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 21

For use on Door #(s):
1849A 1849B 1849C

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S J			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NOT HOLD LABELING FROM PANIC DEVICE CHANGES. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. CUT ARMOR PLATE FOR HARDWARE AS REQUIRED.

Hardware Group No. 22

For use on Door #(s):
1851A 1851B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
8	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06			626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06-LBLAFL			626	VON
2	EA	OH STOP	90S J			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NOT HOLD LABELING FROM PANIC DEVICE CHANGES.

Hardware Group No. 23

For use on Door #(s):
1851C

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8		652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9847-L-DT-F-17-CON 24 VDC		626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER		626	BES
2	EA	OH STOP	90S J		630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	488SBK PSA		BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S		AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NOT HOLD LABELING FROM PANIC DEVICE CHANGES. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. CUT ARMOR PLATE FOR HARDWARE AS REQUIRED.

Hardware Group No. 24

For use on Door #(s):
1864

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17		626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17-LBLAFL		626	VON
2	EA	MAGNET	SEM7850 12V/24V/120V		689	LCN
1	EA	GASKETING	488SBK PSA		BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S		AA	ZER
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			

PATCH, PLUG AND REPAIR DOORS AND FRAME AS REQUIRED.

Hardware Group No. 25

For use on Door #(s):
1867B 3909

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC			630	VON
1	EA	SURF. AUTO OPERATOR	4642 TBWMS			689	LCN
2	EA	ACTUATOR, TOUCH	8310-856T			630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR DOOR AND FRAME AS REQUIRED. FRAME WILL NEED TO BE REPLACED OR THE EXISTING FRAME WILL NEED TO BE RE-LABELED / CERTIFIED DUE TO THE NEW ELECTRIC STRIKE NEEDING TO BE ADDED.

Hardware Group No. 26

For use on Door #(s):
1868

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
1	EA	OH STOP	90S			630	GLY
1	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED.

Hardware Group No. 27

For use on Door #(s):
3000A G131A G132A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-EO-F-CON			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17 24 VDC			626	VON
2	EA	FIRE/LIFE HOLDER	4040SEH SEH AC/DC			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED.

Hardware Group No. 28

For use on Door #(s):
3000B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	FIRE/LIFE HOLDER	4040SEH SEH AC/DC			689	LCN
2	EA	SURFACE CLOSER	4040XP SCUSH WMS			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING

Hardware Group No. 29

For use on Door #(s):
3016A 3016G

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	FIRE/LIFE HOLDER	4040SEH SEH AC/DC		✓	689	LCN
2	EA	SURFACE CLOSER	4040XP SCUSH WMS			689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS			630	IVE
			ACCESS CONTROL - WORK OF DIVISION 28		✓		
			DOOR CONTACT(S) - WORK OF DIV. 28		✓		
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28		✓		
			REMAINDER OF HARDWARE EXISTING				

COORDINATE HARDWARE PREPS IN ARMOR PLATES AS REQUIRED. ACCESS CONTROL EXISTING. COORDINATE / TEMPLATE TRACK HOLDERS AND SCUSH CLOSERS.

Hardware Group No. 30

For use on Door #(s):
3016B 3016C 3016D 3016E 3016F 3016H

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	FIRE/LIFE HOLDER	4040SEH SEH AC/DC		✓	689	LCN
2	EA	SURFACE CLOSER	4040XP SCUSH WMS			689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS			630	IVE
			REMAINDER OF HARDWARE EXISTING				

COORDINATE HARDWARE PREPS IN ARMOR PLATES AS REQUIRED.

Hardware Group No. 31

For use on Door #(s):
3034A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	MAGNETIC LOCK	M490P ATS/LED 12/24 VDC		628	SCE
1	EA	PUSH BUTTON	621GREX DA 12/24 VDC		630	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC		WHT	SCE
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			

INTERCOM BY DIV 028

Hardware Group No. 32

For use on Door #(s):
3537 3547

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-EO-F-CON 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17 24 VDC			626	VON
1	EA	SURF. AUTO OPERATOR	9553 REG/STD STD72 MS AS REQ (120/240 VAC)			ANCL R	LCN
2	EA	ACTUATOR, TOUCH	8310-856T			630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 33

For use on Door #(s):
3900A 3900B

Provide each PR door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER		FINISH	MFR
		ACCESS CONTROL - WORK OF DIVISION 28			
		DOOR CONTACT(S) - WORK OF DIV. 28			
		COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
		POWER SUPPLY - WORK OF DIVISION 28			
1		REMAINDER OF HARDWARE EXISTING			

VERIFY IF EXTERIOR EMERGENCY CALL STATION / BOX TO BE INSTALLED BY CODE. OPENINGS COULD BE EASILY MISTAKEN FOR AN EXIT.

Hardware Group No. 34

For use on Door #(s):
3910 3920

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	PASSAGE SET	L9010 17A LESS LOCK CASE 625			626	SCH
1	EA	ELECTRIC RETRACTION MORTISE LOCK CASE-	Z7835- LESS TRIM			626	SDC
2	EA	ACTUATOR, TOUCH	8310-856T			630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
1	EA	GASKETING	488SBK PSA			BK	ZER
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR FRAME AS REQUIRED. REPLACE HM DOOR AS FIRE LABELING HAS BEEN VOIDED WITH ALL OF OWNER MODIFICATIONS. VERIFY ACTUATOR TYPE REQUIRED. REUSE EXISTING AUTO OPERATOR. REPLACE STRIKE IN FRAME AND PLUG DEADBOLT STRIKE HOLE. VERIFY HINGE THICKNESS AND HEIGHT REQUIRED PRIOR TO ORDERING. ADJUST AS NEEDED.

Hardware Group No. 35

For use on Door #(s):
3930

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	711		630	IVE
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17		626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17-LBLAFL		626	VON
2	EA	SURFACE CLOSER	4040XP EDA WMS		689	LCN
2	EA	KICK PLATE	8400 16" X 1" LDW B-CS		630	IVE
2	EA	WALL STOP	WS406/407CVX		626	IVE
2	EA	MAGNET	SEM7850 12V/24V/120V		689	LCN
1	EA	GASKETING	488SBK PSA		BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S		AA	ZER

Hardware Group No. 36

For use on Door #(s):
A103A A104A A109A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	INTERMEDIATE PIVOT	7226F PT_INT TW8 CON_Y			630	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-DT-17-CON 24 VDC			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S J			630	GLY
2	EA	FIRE/LIFE CLOSER	3134SE AC/DC			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	DOOR BOTTOM	355AA			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY PIVOT SPECIFIED AND REUSE OR REPLACE AS REQUIRED (VERIFY PRIOR TO ORDERING). VERIFY SIZE AND TEMPLATING OF 3130SE CONCEALED CLOSER HOLDERS PRIOR TO ORDERING OR TEMPATING DOOR. SURFACE OVERHEAD STOPS TO BE MOUNTED PULL SIDE TO AVOID SOUND GASKETING. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER. CUSTOM SHIM MAY BE REQUIRED TO WIDEN STOP WIDTH FOR MOUNTING OF GASKETING TO HM STOP.

Hardware Group No. 37

For use on Door #(s):
A103B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 38

For use on Door #(s):

A104B A108B ~~S6501~~ ~~S6510~~ ~~S6520~~

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9875-L-F-M996-17-FS-CON			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
1	EA	MAGNET	SEM7850 12V/24V/120V			689	LCN
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	EA	DOOR BOTTOM	355AA			AA	ZER
1	EA	MOUNTING BRACKET	870SPB				ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 38-REV

For use on Door #(s):

S6501 S6510 S6520

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	FIRE EXIT HARDWARE	9875-L-F-17		626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER		626	BES
1	EA	SURFACE CLOSER	4040XP EDA WMS		689	LCN
1	EA	MAGNET	SEM7850 12V/24V/120V		689	LCN
1	EA	GASKETING	488SBK PSA		BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)		AA	ZER
1	EA	DOOR BOTTOM	355AA		AA	ZER
1	EA	MOUNTING BRACKET	870SPB			ZER
			REMAINDER OF HARDWARE EXISTING			

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING

Hardware Group No. 39

For use on Door #(s):

A105A	A106A	A107A	A108A	C120A	C121A
C122A	C123A	C124A	C125A	C126A	

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	PIVOT SET	7226F SET			630	IVE
2	EA	INTERMEDIATE PIVOT	7226F PT_INT TW8 CON_Y			630	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-EO-F-LBLAFL-CON			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S J			630	GLY
2	EA	FIRE/LIFE CLOSER	3134SE AC/DC			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	DOOR BOTTOM	355AA			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY PIVOT SPECIFIED AND REUSE OR REPLACE AS REQUIRED (VERIFY PRIOR TO ORDERING). VERIFY SIZE AND TEMPLATING OF 3130SE CONCEALED CLOSER HOLDERS PRIOR TO ORDERING OR TEMPATING DOOR. SURFACE OVERHEAD STOPS TO BE MOUNTED PULL SIDE TO AVOID SOUND GASKETING. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER. CUSTOM SHIM MAY BE REQUIRED TO WIDEN STOP WIDTH FOR MOUNTING OF GASKETING TO HM STOP.

Hardware Group No. 40

For use on Door #(s):

A106B	A106C	B113C	B113D	B114C	B115C
B116C	B116D	C123B	C123C	C124B	

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	MOUNTING PLATE	4040SE-18 WMS			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	DOOR BOTTOM	355AA			AA	ZER
2	EA	MOUNTING BRACKET	870SPB				ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS AND ADJUST AS REQUIRED PRIOR TO ORDERING. TRACK HOLDER CLOSERS TO BE MOUNTED PULL SIDE. SURFACE OVERHEAD STOPS TO BE MOUNTED PUSH SIDE TO THE MOUNTING BRACKETS SPACED OVER SOUND GASKETING. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER. REPLACE DOORS AS REQUIRED.

Hardware Group No. 41

For use on Door #(s):

A107B	A109B	B110B	B111B	B112B	B117B
B118B	B119B	C120B	C121B	C122B	C126B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	OH STOP	90S			630	GLY
1	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
1	EA	MOUNTING PLATE	4040SE-18 WMS			689	LCN
21	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	EA	DOOR BOTTOM	355AA			AA	ZER
1	EA	MOUNTING BRACKET	870SPB				ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS AND ADJUST AS REQUIRED PRIOR TO ORDERING. TRACK HOLDER CLOSERS TO BE MOUNTED PULL SIDE. SURFACE OVERHEAD STOP TO BE MOUNTED PUSH SIDE TO THE MOUNTING BRACKETS SPACED OVER SOUND GASKETING. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 42

For use on Door #(s):

A112B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	CONT. HINGE	705 EPT			630	IVE
2	EA	POWER TRANSFER	EPT10 CON			689	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9847-L-DT-F-17-CON 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER HOUSING	12E72-S2-RP3			626	BES
2	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
2	EA	WALL STOP	WS406/407CVX			626	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				

Hardware Group No. 43

For use on Door #(s):
C125B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8		652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC		626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER		626	BES
1	EA	SURFACE CLOSER	4040XP EDA WMS		689	LCN
1	EA	GASKETING	488SBK PSA		BK	ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ			SCH
1	EA	WIRE HARNESS	CON-6W			SCH
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			
			REMAINDER OF HARDWARE EXISTING			

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 44

For use on Door #(s):
C130B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17	626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-BE-F-17-LBLAFL	626	VON
2	EA	SURFACE CLOSER	4040XP EDA WMS	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP	WS406/407CVX	626	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S	AA	ZER

VERIFY IF ACCESS CONTROL IS REQUIRED.

Hardware Group No. 45

For use on Door #(s):
D133B D134B E147B E148B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	OH STOP	90S J			630	GLY
1	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
1	EA	ARMOR PLATE	8402 34" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	EA	DOOR BOTTOM	355AA			AA	ZER
1	EA	MOUNTING BRACKET	870SPB				ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VTRACK HOLDER CLOSER TO BE MOUNTED PUSH SIDE. SURFACE OVERHEAD STOP TO BE MOUNTED PULL SIDE. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 46

For use on Door #(s):
D135B E146B F149B F152B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	DOOR BOTTOM	355AA			AA	ZER
2	EA	MOUNTING BRACKET	870SPB				ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS AND ADJUST AS REQUIRED PRIOR TO ORDERING. REUSE EXISTING CYLINDER. REPLACE DOORS AS REQUIRED.

Hardware Group No. 47

For use on Door #(s):

D136B	D137B	D138B	D139B	D140B	E141B
E142B	E143B	E144B	E145B	F150B	F151B
G129C	G130B	G131B	G132B		

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ARMORED DOOR CORD	K-DL38A			689	KEE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9875-L-NL-F-17-CON 24 VDC			626	VON
1	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	SURFACE CLOSER	4040XP EDA WMS			689	LCN
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	SOUND GASKETING	870AA-S (HEAD AND JAMBS)			AA	ZER
1	EA	DOOR BOTTOM	365AA			AA	ZER
1	EA	MOUNTING BRACKET	870SPB				ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED.

Hardware Group No. 48

For use on Door #(s):

XA00A	XB00A	XB00C	XB00G	XB00J	XC00A
XD00A	XE00C				

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
2	EA	OH STOP	100S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
1			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR DOORS AND FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNES PRIOR TO ORDERING. REPLACE DOORS AS REQUIRED.

Hardware Group No. 49

For use on Door #(s):

XA00B	XA00C	XA00D	XA00E	XA00F	XA00G
XB00B	XB00D	XB00E	XB00F	XB00K	XB00L
XB00M	XC00B	XC00C	XC00D	XC00E	XC00F
XC00G	XD00B	XD00C	XD00D	XD00E	XD00F
XE00D	XE00E	XE00F			

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
8	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06		626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06-LBLAFL		626	VON
2	EA	OH STOP	100S		630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC		689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	488SBK PSA		BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S		AA	ZER

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NO HOLD LABELING FROM PANIC DEVICE CHANGES.

Hardware Group No. 50

For use on Door #(s):
XA00Q

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			630	IVE
1	EA	REMOVABLE MULLION	KR4954 STAB			689	VON
1	EA	ELEC PANIC HARDWARE	LD-RX-98-EO-CON			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-NL-OP-110MD-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	MULLION SEAL	8780NBK PSA			BK	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REUSE EXISTING CYLINDER. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 51

For use on Door #(s):
1176 XA00R

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
7	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 CON TW8			652	IVE
1	EA	AUTO FLUSH BOLT	FB31T			630	IVE
1	EA	EU MORTISE LOCK	L9092BDEU 17A RX CON 12/24 VDC			626	SCH
1	EA	COORDINATOR	COR X FL			628	IVE
1	EA	OH STOP	90S			630	GLY
2	EA	SURFACE CLOSER	4040XP REG WMS			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	WALL STOP	WS406/407CVX			626	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	ASTRAGAL	383AA			AA	ZER
1	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. ADJUST AS REQUIRED. CUT HOLES FOR HARDWARE IN ARMOR PLATE AS REQUIRED. PATCH PLUG AND REPAIR DOOR AS REQUIRED. DOORS MAY NEED REPLACING.

Hardware Group No. 52

For use on Door #(s):
XA10A XC10A XC10C XD10A XD10B XD10C

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	MOUNTING PLATE	4040SE-18 WMS			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. REPLACE DOORS AS REQUIRED. TRACK HOLDER CLOSERS TO BE MOUNTED PULL SIDE. SURFACE OVERHEAD STOPS TO BE MOUNTED PUSH SIDE. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 53

For use on Door #(s):
XA10B XC10B XC10D

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-L-NL-17 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
1	EA	OH STOP	90S			630	GLY
1	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
1	EA	MOUNTING PLATE	4040SE-18 WMS			689	LCN
1	EA	ARMOR PLATE	8402 34" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING. REPLACE DOOR AS REQUIRED. TRACK HOLDER CLOSER TO BE MOUNTED PULL SIDE. SURFACE OVERHEAD STOP TO BE MOUNTED PUSH SIDE. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 54

For use on Door #(s):
XB00H XB00I

Provide each PR door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1		EXISTING HARDWARE TO REMAIN		

Hardware Group No. 55

For use on Door #(s):
XB00N

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9847-L-DT-F-17-CON 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
2	EA	OH STOP	100S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NOT HOLD LABELING FROM PANIC DEVICE CHANGES. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 56

For use on Door #(s):
XB00O

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
8	EA	HINGE	5BB1HW 5 X 4.5 NRP			652	IVE
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06			626	VON
1	EA	FIRE EXIT HARDWARE	9849-L-DT-F-06-LBLAFL			626	VON
2	EA	OH STOP	100S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	SET	MEETING STILE ASTRAGAL	8878AA-S			AA	ZER

PATCH, PLUG AND REPAIR DOORS AS REQUIRED. REPLACE DOORS IF NOT REPAIRABLE OR WILL NOT HOLD LABELING FROM PANIC DEVICE CHANGES.

Hardware Group No. 57

For use on Door #(s):
XE00A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9827-L-DT-F-LBRAFL-17-499F 24 VDC			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9827-L-NL-F-LBR-17-499F 24 VDC			626	VON
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THIKCKNESS PRIOR TO ORDERING.

Hardware Group No. 58

For use on Door #(s):
XE00B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9827-L-DT-F-LBRAFL-17-499F			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-9827-L-NL-F-LBR-17-499F			626	VON
2	EA	ARMOR PLATE	8402 34" X 1" LDW B-CS			630	IVE
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH PLUG AND REPAIR DOORS AS REQUIRED. VERIFY HINGE HEIGHT AND THIKCKNESS PRIOR TO ORDERING.

Hardware Group No. 59

For use on Door #(s):
XE00G

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
2	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 CON TW8			652	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-EO-F-CON			626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-9849-L-NL-17-CON 24 VDC			626	VON
2	EA	SURFACE CLOSER	4040XP SCUSH WMS			689	LCN
2	EA	ARMOR PLATE	8402 48" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
2	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REPLACE DOORS AS REQUIRED. CUT ARMOR PLATE FOR HARDWARE AS REQUIRED. VERIFY HINGE HEIGHT AND THICKNESS PRIOR TO ORDERING.

Hardware Group No. 60

For use on Door #(s):
XE00H XE00I

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
1	EA	ELEC FIRE EXIT HARDWARE	RX-9849-L-DT-F-17-LBLAFL-CON			626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9849-L-NL-F-17-CON 24 VDC			626	VON
1	EA	RIM CYLINDER	REUSE EXISTING CYLINDER			626	BES
2	EA	OH STOP	90S			630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE WMS AC/DC			689	LCN
2	EA	MOUNTING PLATE	4040SE-18 WMS			689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	MEETING ASTRAGAL	8193AA (ONE SET)			AA	ZER
2	EA	WIRE HARNESS (DOOR)	CON-LENGTH AS REQ				SCH
2	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
			REMAINDER OF HARDWARE EXISTING				

PATCH, PLUG AND REPAIR FRAME AS REQUIRED. REUSE EXISTING HINGES AND POWER TRANSFERS. REPLACE DOORS AS REQUIRED. TRACK HOLDER CLOSERS TO BE MOUNTED PULL SIDE. SURFACE OVERHEAD STOPS TO BE MOUNTED PUSH SIDE. TEMPLATE AS REQUIRED FOR PROPER HOLDING AND STOPPING. REUSE EXISTING CYLINDER.

Hardware Group No. 61

For use on Door #(s):
CD1836A CD1836B CD1871A CD1871B

Provide each RU door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	MORTISE CYLINDER	REUSE EXISTING CYLINDER	626	BES
			REMAINDER OF HARDWARE EXISTING		

Hardware Group No. 62

For use on Door #(s):
G129A G129B G130A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
4	EA	DUMMY CYLINDER	38-070 118			626	SCH
1	EA	MAGNETIC LOCK	M492P ATS/LED-2 12/24 VDC			628	SCE
1	EA	PUSH BUTTON	621GREX DA 12/24 VDC			630	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC			WHT	SCE
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				

Hardware Group No. 63

For use on Door #(s):
1171B 1836A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
4	EA	DUMMY CYLINDER	38-070 118			626	SCH
1	EA	MAGNETIC LOCK	M492P ATS/LED-2 12/24 VDC			628	SCE
1	EA	PUSH BUTTON	621GREX DA 12/24 VDC			630	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC			WHT	SCE
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				

CUSTOM BOLLARD TO BE SUPPLIED AND INSTALLED BY CONTRACTOR AS DIRECTED BY ARCHITECT. BOLLARDS TO BE MOUNTED BOTH SIDES OF GLASS TO HOUSE THE CARD READER AND REQUEST TO EXIT SWITCH. TRENCHING UNDER GLASS CHANNEL TO BE CONCEALED BY THE BOLLARDS. SURFACE WIRE MOLD OR OTHER METHODS TO CONCEAL WIRING A MUST. MAG HOLDERS ARE EXISTING.

Hardware Group No. 64

For use on Door #(s):
1180A 1839

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
4	EA	DUMMY CYLINDER	38-070 118		626	SCH
1	EA	MAGNETIC LOCK	M492P ATS/LED-2 12/24 VDC		628	SCE
2	EA	MAGNET	SEM7820 12V/24V/120V		689	LCN
1	EA	PUSH BUTTON	621GREX DA 12/24 VDC		630	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC		WHT	SCE
			ACCESS CONTROL - WORK OF DIVISION 28			
			DOOR CONTACT(S) - WORK OF DIV. 28			
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
			POWER SUPPLY - WORK OF DIVISION 28			

Hardware Group No. 65

For use on Door #(s):

1660 1670 3042 3043 3053 3054

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	POWER TRANSFER	EPT10 CON			689	VON
1	EA	PASSAGE SET	L9010 17A LESS LOCK CASE 625			626	SCH
1	EA	ELECTRIC RETRACTION MORTISE LOCK CASE-	Z7835- LESS TRIM			626	SDC
1	EA	SURF. AUTO OPERATOR	4631 WMS 120 VAC			689	LCN
2	EA	ACTUATOR, TOUCH	8310-856T			630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	WIRE HARNESS	CON-6W				SCH
			ACCESS CONTROL - WORK OF DIVISION 28				
			DOOR CONTACT(S) - WORK OF DIV. 28				
			COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME				
			POWER SUPPLY - WORK OF DIVISION 28				
1			PROVIDE RISER & POINT TO POINT WIRING DIAGRAMS				

NEW DOOR AND FRAME REQUIRED. FRAME TO HAVE A MIN OF 2" FACES FOR EPT. WHEN PRGRAMMED FOR USE LOCK TO BE INFULLY RETRACTED MODE AND BOTH ACTUATORS TO OPPERATE DOOR. WHEN THE RESTROOMS ARE TO BE LOCKED THE LATCH BOLT WILL BE IN NORMAL LOCKED AND LATCHED MODE AND ONLY THE INTERIOR ACTUATOR WILL MOMENTARILY ACTIVATE THE LATCH RETRACTION MORTISE LOCK AND ACTIVATE THE DOOR. EXTERIOR ACTUATOR IN NIGHT MODE WILL NOT ACTIVATE THE LOCK OR THE AUTO OPERATOR

Hardware Group No. 66

For use on Door #(s):
3043A 3053A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	FAC RESTRM /HOTEL W/IND W/ OUTSIDE INDICATOR	L9486L 17A L583-363 L583-375			626	SCH
1	EA	MORTISE CYLINDER	1E74 C265 RP3			626	BES
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC		✓	630	VON
1	EA	SURF. AUTO OPERATOR	4642 TBWMS		✓	689	LCN
2	EA	ACTUATOR, TOUCH	8310-856T		✓	630	LCN
2	EA	MOUNT BOX	8310-868S				LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	WALL STOP	WS406/407CVX			626	IVE
1	EA	GASKETING	488SBK PSA			BK	ZER
1	EA	WIRE HARNESS	CON-6W		✓		SCH
			ACCESS CONTROL - WORK OF DIVISION 28		✓		
			DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME		✓		
			POWER SUPPLY - WORK OF DIVISION 28		✓		

EXISTING FRAME WILL NEED TO BE RE-LABELED / CERTIFIED DUE TO THE NEW ELECTRIC STRIKE NEEDING TO BE ADDED. FRAME TO HAVEA 2" FACED FRAME MIN.

END OF SECTION