

GENERAL NOTES:

- A. **HARDWARE SET #12**
ARM OFFICE AND MANAGERS OFFICE
EACH LEAF SHALL HAVE: HINGES - LOCKSET(I) - CLOSER
- KICKPLATE - DOOR STOP
- 1.1 **HINGES**
- A. **Manufacturers:** Subject to compliance with requirements, provide products by one of the following:
1. **Hinges:**
 - a. Hager Companies
 - b. McKinney Products Company; Div. of ASSA ABLOY Group
 - c. Stanley Commercial Hardware; Div. of The Stanley Works
 - B. **Hinge Base Metal:** Unless otherwise indicated, provide the following:
 1. Interior Hinges: Steel, with steel pin
 - C. **Non-removable Pins:** Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for out-swinging exterior doors and out-swinging interior doors with locks.
 - D. **Size:** Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
- | Maximum Door Size (inches) | Hinge Height (inches) | Metal Thickness (inches) | Standard Weight | Heavy Weight |
|----------------------------|-----------------------|--------------------------|-----------------|--------------|
| 40 and under by 1-3/4 | 4-1/2 | 0.134 | | 0.180 |
- E. **Hinge Weight:** Unless otherwise indicated, provide the following:
 1. Doors with Closers: Standard-weight ball bearing hinges.
 - F. **Quantity:** Provide the following, unless otherwise indicated:
 1. Three Hinges: For doors with heights 61 to 90 inches
 - G. **Self-Closing Hinges:** Standard-weight adjustable spring hinge. Provide door leaf with minimum of two self-closing hinges and one ball-bearing hinge.

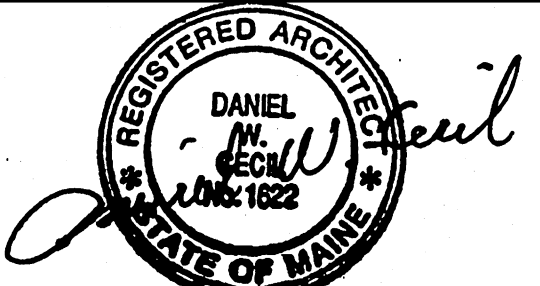
- 1.2 **CYLINDRICAL LOCKS AND LATCHES**
- A. **Bored Locks:** BHMA A156.2, Grade 1 Heavy duty; Series 4000, interchangeable core to receive 6 pin Best cores. Lever shall be a minimum of 3-1/2 inches long, with an angle return, and a minimum of 2 9/16inch Rose. Furnish locks with construction cores. Permanent cores provided by Owner.
1. **Manufacturers:**
 - a. Arrow USA; an ASSA ABLOY Group company, Q Series
 - b. Best Access Systems; Div. of The Stanley Works, 93K Series
 - c. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group Company, CL3300 Series
 2. Cylindrical locks functions shall be as scheduled to the following:

FUNCTION	OPERATION
I (Storeroom Function)	Outer lever fixed. Entrance by key only. Inner lever always free

- 1.3 **CLOSERS**
- A. **Accessibility Requirements:** Comply with the following maximum opening-force requirements:
1. Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.
- B. **Size of Units:** Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.
- D. **Surface Closers:**
1. All door closers for this project shall be the product of one manufacturer. Door closers shall be full rackandpinion type with cast aluminum body.
 2. Closers shall be surface mounted (with mounting screws exposed). Closers mounted to hollow doors shall be through bolted.
 3. Closers shall be nonhanded to permit installation on either hand door, and supplied with a standard show and soffit plate to allow regular arm, parallel arm or top jamb mounting.
 4. Hydraulic fluid shall be nongumming and nonfreezing.
 5. Closer shall have a combination noncritical regulating valve to adjust both the sweep and the latch speed. Closer to have adjustable backcheck cushioning.
 6. The regular and top jamb nonholdopen arm show shall permit a 15 percent adjustment (+/- 1/2%) by relocation of the forearm pivot.
 7. Closer shall be enclosed in a full molded cover.
 8. Hardware contractor shall insert in the hardware schedule, beside each door listing, the required degree of opening for each door. If the door swing is over 140 degrees, parallel arm type closers shall be used. Door closers mounted on brackets, or top jamb application, shall not be permitted.
 9. Installing contractor shall be responsible for proper installation of door closers in accordance with degree of opening indicated on hardware schedule. Adjustment of all valves, for proper control of closing speed, latching speed, delayed action, backcheck, and spring power adjustments, shall be the responsibility of the installing contractor.
 10. **Manufacturers:**
 - a. DORMA Architectural Hardware; Member of The DORMA Group North America; 8916 Series
 - b. Norton Door Controls; an ASSA ABLOY Group company; Series 8501/8501BF
 - c. Yale Commercial Locks and Hardware; an ASSA ABLOY Group company; 3501/3501BF Series

- 1.4 **PROTECTIVE TRIM UNITS**
- A. **Kick Plates:** BHMA A156.6; beveled 4 sides; fabricated from the following material:
1. Plastic Laminate: 1/8 inch thick; NEMA LD 3, Grade HGS
 2. Color and Texture: Black, unless indicated otherwise.
 3. Size: Unless indicated otherwise, provide 16 inches high by 1-1/2 inches less door width for single doors and 1 inch less door width for pairs.
 - a. Hager Companies
 - b. IVES Hardware; an Ingersoll-Rand Company
 - c. Rockwood Manufacturing Company

- 1.5 **STOPS AND HOLDERS**
- A. **Stops and Bumpers:** Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders. Provide door stops for all doors in accordance with the following requirements.
1. Wall type bumpers with a concealed type flange shall be used wherever possible and shall be one of the following:
 - a. Hager Companies; 236W
 - b. IVES Hardware; an Ingersoll-Rand Company; 407 1/2
 - c. Rockwood Manufacturing Company; 409
- B. **Door Holders:** Kick-down door stop, resilient non-marring tip.
1. Hager Companies; 270D
 2. IVES Hardware; an Ingersoll-Rand Company; 452
 3. Rockwood Manufacturing Company; 461
- C. **Silencers for Door Frames:** BHMA A156.16, Grade 1; neoprene or rubber; fabricated for drilled-in application to frame.



NO	REVISIONS	DATE	BY
0	ISSUED FOR REVIEW	11-10-16	MJW
0	ISSUED FOR CONSTRUCTION	11-14-16	MJW

HARRIMAN

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Project No. 16166

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 Portland, ME 207.775.0053
 Portsmouth, NH 603.626.1242
 Boston, MA 617.426.5050

DWG TITLE: DOOR SPECIFICATIONS AND NOTES

LOCATION: PRODUCE COOLER AND RESTROOMS
PORTLAND, ME

SCALE AS NOTED

DRAWN MJW

DATE: 11-14-2016

DRAWING NO.

A601.1

Store No. 8351