Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

PROJECT MANUAL

1. Item No. AD1-PM1
   Attachment: Narrative only – no sketch issued
   Reference: Volume 2
   Description: The following specification sections are eliminated from the Volume 2 specifications:

   Division 06 - Wood and Plastics
   06410 Wood and Plastic Laminate Casework
   06640 FRP Wall Panels

   Division 09 - Finishes
   09650 Wood Flooring

   Division 10 - Specialties
   10160 Toilet Compartments and Screens

   Division 12 - Furnishings
   12490 Roller Shades

   Division 15 - Mechanical
   15005 Fire Suppression Basic Requirements
   15006 Common Work Results for Fire Suppression
   15107 Fire Suppression Sprinkler Systems
2. Item No. AD1-PM2
   Attachment: 08330 Overhead Aluminum Coiling Counter Door
   Reference: Volume 2
   Description: Add specification section 08330-Overhead Aluminum Coiling Counter Door

3. Item No. AD1-PM3
   Attachment: 08703 Door Hardware Schedule
   Reference: Volume 2
   Description: Add specification section 08703-Door Hardware Schedule

4. Item No. AD1-PM4
   Attachment: 16860 Educational Intercommunications and Program Systems
   Reference: Volume 2
   Description: Remove specification section 16860-Educational Intercommunications and Program Systems in Volume 2 and Replace with revised specification section 16860-Educational Intercommunications and Program Systems attached.

5. Item No. AD1-PM5
   Attachment: Narrative only – no sketch issued
   Reference: Volume 1
   Description: Section 00010, Add to Table of Contents sections:
   “16000 Electrical Basic Requirements”
   “16020 Electronic Safety and Security Basic Requirements”
   “16060 Grounding and Bonding for Electrical Systems”
   “16070 Hanger and Supports for Electrical Systems and Equipment”
**DRAWINGS**

1. **Item No. AD1-D1**  
   Attachment: ASK-1  
   Reference: K-A2.13  
   Description: Add water bottle fill station and Revise Key Note 29 to read “(N) WATER BOTTLE FILLER, OASIS MODEL: SP-MWSMSBF”. Refer to ASK-1.

2. **Item No. AD1-D2**  
   Attachment: ASK-5.1 and ASK-5.2  
   Reference: Sheet K-A2.16 and K-A3.11  
   Description: Exterior Storefront Schedule, 3/K-A2.16, Revise type “GG” to read type “HH”, refer to ASK-5.1. Refer to ASK-5.2 for Revised South Elevation 4/K-A3.11.

**RFI RESPONSES**

1. **Question:** Sheet K-A2.16 interior schedule references 1/Z-A4.11 for wall ceramic tile pattern is missing in the bid doc drawing set. Please advise if wall ceramic tile is to be included in project scope.

   **Response:** At Interior Finish Schedule, Restroom T101, ceramic tile is to be CT-6. Remove Note: “SEE 1/Z-A4.11 FOR CERAMIC TILE PATTERN” and add Note: “TILE HEIGHT 5'-7" A.F.F.”

2. **Question:** Roof Demo Plan 2/K-A2.11: What is the intended method of infilling existing holes and openings in the existing roof slab due to mech equip removal? Are the existing roof drain and overflow locations the same as indicated in the roof plan on 2/K-2.13?

   **Response:** For rectangular openings in the existing roof slab, refer to ASK-2 attached. For small circular holes infill with grout. Locate existing roof drain and overflow locations as shown on attached ASK-4, approx. 2’-0” south of gridline 3.3, west of gridline 3.D and east of gridline 3.B.

3. **Question:** RCP 1/K-A6.12: What color is exposed concrete overhang soffits to be painted in?

   **Response:** Paint to be P-8, Manufacture: Kelley Moore, color to be selected during submittal phase.

4. **Question:** Roof Plan 2/K-2.13: What is the layout or quantity of roof walk pads required (Spec 07510, clause 2.3D)?

   **Response:** Refer to attached ASK-3 for roof walk pad layout and quantity.

5. **Question:** FRP Wall Panels Spec Sec. 06640: Confirm locations of FRP wall panels referenced in spec but not indicated on plans.

   **Response:** Refer to Item No. AD1-PM1. Specification Section 06640 to be removed.
ATTACHMENTS

Project Manual:
  16860 Educational Intercommunications and Program Systems
  08330 Overhead Aluminum Coiling Counter Door
  08703 Door Hardware Schedule

Drawings (Sketches):
  K-A2.13 (ASK-1)
  K-A3.21 (ASK-2)
  K-A2.13 (ASK-3)
  K-A2.13 (ASK-4)
  K-A2.16 (ASK-5.1)
  K-A3.11 (ASK-5.2)

END OF ADDENDUM
PART 1 - GENERAL

1.1 SUMMARY

A. Section includes manually-operated (crank operated), aluminum coiling counter door complete with hardware, operators and accessories.

1.2 SUBMITTALS

A. Data: Manufacturer specifications, roughing-in diagrams, and installation instructions.
B. Shop drawings: For special components and installation conditions not fully dimensioned or detailed on manufacturer data sheets. Show attachment details to adjacent construction.
C. Manufacturer instructions: Indicate installation sequence and procedures, adjustment and alignment procedures.
D. Closeout: Complete data for maintenance and operation of door.

1.3 QUALITY ASSURANCE

A. Uniformity: Furnish all counter doors made by one manufacturer.
B. Installer's qualifications: Door manufacturer or authorized distributor of the door manufacturer.

1.4 HANDLING

A. Protect finish components with clear plastic film or other form of protection to prevent damaging finish.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Model CD8-2M by the Cookson Co. (basis of design).
B. Overhead Door Co.
C. The Lawrence Co.
D. Cornell Iron Works.
E. Pacific Rolling Door Co.

2.2 BASIC MATERIALS

A. Structural shapes and plates: ASTM A 36.

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E. Steel tubing: Cold-formed steel tubing: ASTM A 500.
F. Iron castings:
   2. Ductile cast iron: ASTM A 536.

2.3 COMPONENT MATERIALS

A. Door curtain: 0.050-inch thick extruded aluminum slats equal to Cookson No. 8.
B. Bottom bar: Tubular extruded aluminum measuring 1-5/16 inches deep by 2-1/4 inch high with a double vinyl astragal on bottom edge.
C. Guides: 1-3/4-inch square extruded aluminum.
D. B'ackets: 3/16-inch die-cast aluminum.
E. Barrel: Steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The barrel shall receive one coat of bronze rust-inhibiting prime paint.
F. Hood: 0.040-inch thick aluminum and shall be formed to fit the square brackets. The hood shall receive a 204-R1 clear anodized finish.
G. Gears; Cast iron. The pinion gear shall not be less than a 3 inch pitch diameter. The gear ratio shall be designed for a maximum effort of not more than 30 pounds.

2.4 FABRICATION

A. Curtain: Fabricate with a tubular bottom rail attached to the lower slat, including a double vinyl astragal on the bottom edge.
B. Guides: Extruded aluminum members, each side of the channel portion capturing the curtain shall contain wool pile weatherstripping.
C. Barrel:
   1. Not less than 4-inch diameter steel tubing designed to limit maximum deflection, when fully loaded with door in the retracted position, to 0.03-inch/foot.
   2. Oil-tempered torsion springs shall be capable of correctly counterbalancing weight of curtain and be adjustable by an exterior wheel.
D. Hood: Fabricate from aluminum sheet, formed to fit the die cast brackets.

2.5 FINISHING

A. Finish exposed aluminum surfaces with a clear anodized finish complying with NAAMM M12C22A31.

2.6 OPERATION

1. Crank operated doors shall open and close utilizing a hand crank with a removable operating arm.

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OVERHEAD ALUMINUM COILING COUNTER DOOR
B. Locking Mechanisms
   1. The crank doors shall be secured by means of a concealed sliding bolt deadlock in the bottom bar operated by a cylinder lock.

PART 3 - INSTALLATION

3.1 EXAMINATION
   A. Examine adjacent construction and supports.
   B. Verify that opening is within allowable tolerances, plumb, level, clean, will provide a solid anchoring surface.
   C. Correct detrimental conditions before proceeding with installation.

3.2 INSTALLATION
   A. Install door and its operating equipment in compliance with the door manufacturer’s instructions, plumb, and square, in true alignment, free of springing, forcing, racking or distortion.
   B. Provide necessary hardware, jamb and head mold stops, anchors, inserts, hanger, equipment supports and other accessories required for a complete installation.
   C. Attach guide assembly to walls for a rigid installation.
   D. When the installation is complete, lubricate, test and adjust the door to operate easily, free from warp, twist or distortion with a tight fit for the entire perimeter.

3.3 TOUCHUP
   A. Touchup damaged surfaces when the results are acceptable to the Architect; otherwise return damaged component to the shop for refinishing.

END OF SECTION
SECTION 08703
DOOR HARDWARE SCHEDULE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section references specification sections relating to commercial door hardware for the following:

1. Swinging doors.
2. Sliding Doors.
3. Other doors to the extent indicated.

B. Commercial door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical and access control door hardware.
3. Electromechanical and access control door hardware power supplies, back-ups and surge protection.
4. Automatic operators.
5. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 01 Section “Sustainable Design Requirements”.
2. Division 08 Section “Hollow Metal Doors and Frames”.
3. Division 08 Sections “Flush and Clad Wood Doors”.
4. Division 08 Section “Stile and Rail Wood Doors”.
5. Division 08 Section “Integrated Door Opening Assemblies”.
6. Division 08 Section “Aluminum Framed Entrances and Storefronts”.
7. Division 08 Section “All-Glass Entrances”.
8. Division 08 Section “Door Hardware”.
9. Division 08 Section “Automatic Door Operators”.
10. Division 08 Section “Access Control Hardware”.
11. Division 26 Sections “Electrical”.
12. Division 28 Section “Access Control”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. State Building Codes, Local Amendments.

E. Standards: Reference Related Sections for requirements regarding compliance with applicable industry standards.

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

3. Content: Include the following information:
   a. Type, style, function, size, label, hand, and finish of each door hardware item.
   b. Manufacturer of each item.
   c. Fastenings and other pertinent information.
   d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
   e. Explanation of abbreviations, symbols, and codes contained in schedule.
   f. Mounting locations for door hardware.
   g. Door and frame sizes and materials.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
C. Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to ordering of permanent cylinders.

D. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and contact information of the manufacturers providing the hardware and their nearest service representatives. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.

F. Warranties and Maintenance: Special warranties and maintenance agreements specified in the Related Sections.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum [5] years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum [3] years documented experience installing both standard and electrified builders hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum [5] years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor in good standing by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

D. Source Limitations: Obtain each type and variety of Door Hardware specified in the Related Sections from a single source, qualified supplier unless otherwise indicated.

E. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the applicable model building code.

F. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s),
Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door and Frame Preparation: Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. Refer to “PART 3 – EXECUTION” for required specification sections.

PART 3 - EXECUTION

3.1 DOOR HARDWARE SETS

A. The door hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should 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 and functionality.

B. The supplier is responsible for handing and sizing all products as listed in the door hardware sets. Quantities listed are for each pair of doors, or for each single door.

C. Products listed in the Door Hardware Sets must meet the requirements described in the specification sections noted.

1. Section 08 71 00 – Door Hardware.

D. Manufacturer’s Abbreviations:

1. MK - McKinney
2. RO - Rockwood
3. VD - Von Duprin
4. SA - Sargent
5. SC - Schlage
6. RF - Rixson
7. LC - LCN Closers
8. PE - Pemko

Hardware Schedule

Set: 1.0

Doors: 100, 101, 211, 213

2 Continuous Hinge MCK-25HD 628 MK

MARCH 25, 2013 08703 - 5 DOOR HARDWARE SCHEDULE
<table>
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<th>Item Description</th>
<th>Model/Model No.</th>
<th>Notes</th>
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<td>1 Rim Exit Device</td>
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<tr>
<td>2 Door Closer / Stop</td>
<td>4111 SCUSH</td>
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<td>689</td>
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<td>1 Threshold</td>
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<tr>
<td>1 Mullion Gasketing</td>
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Notes: Weatherstrip by door & frame manufacturer

**Set: 2.0**

Doors: 104.1

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**Set: 3.0**

Doors: 111A.1, 112A.1

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Notes: Weatherstrip by door & frame manufacturer

**Set: 4.0**

Doors: A2

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DOOR HARDWARE SCHEDULE
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<tr>
<td>Door Closer</td>
<td>4111 EDA</td>
<td>689</td>
<td>LC</td>
</tr>
<tr>
<td>Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
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<tr>
<td>Wall Stop</td>
<td>403</td>
<td>626</td>
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MARCH 25, 2013
08703-7
DOOR HARDWARE SCHEDULE
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<th>Item</th>
<th>Description</th>
<th>Code</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
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<td>Doors: 214, E3</td>
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<td>3 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
<td>652</td>
<td>MK</td>
</tr>
<tr>
<td>1 Storeroom Lock</td>
<td>28 30 11G04 OL</td>
<td>626</td>
<td>SA</td>
</tr>
<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626</td>
<td>SC</td>
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<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
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<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
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<tr>
<td>1 Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
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<td>Doors: 212</td>
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<td>MK</td>
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<td>1 Office Lock</td>
<td>28 30 11G05 OL</td>
<td>626</td>
<td>SA</td>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626</td>
<td>SC</td>
</tr>
<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
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<td>1 Classroom Lock</td>
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<td>SC</td>
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<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
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<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
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<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
</tr>
<tr>
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March 25, 2013

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Door Hardware Schedule
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<th>Item Description</th>
<th>Model/Description</th>
<th>Quantity</th>
<th>Code</th>
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<tr>
<td>1 Classroom Security Lock</td>
<td>28 30 11G38 OL</td>
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<td>SA</td>
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<td>2 Primus Cylinder</td>
<td>20-765 x 50-213</td>
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<td>SC</td>
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<tr>
<td>1 Door Closer</td>
<td>4111 EDA</td>
<td>689</td>
<td>LC</td>
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<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
</tr>
<tr>
<td>1 Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
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**Set: 12.0**

Doors: 205A

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<td>MK</td>
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<tr>
<td>1 Classroom Security Lock</td>
<td>28 30 11G38 OL</td>
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<tr>
<td>2 Primus Cylinder</td>
<td>20-765 x 50-213</td>
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<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
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<tr>
<td>1 Door Stop</td>
<td>482</td>
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<tr>
<td>1 Gasketing</td>
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**Set: 13.0**

Doors: T101A, T102A, T201, T202

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<td>LB 50 8225 OL x LC</td>
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<td>1 Mortise Cylinder</td>
<td>30-002 x B520-256 x 50-210</td>
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<td>1 Door Closer</td>
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<td>1 Kick Plate</td>
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**Set: 14.0**

Doors: 103

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<td>MK</td>
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<td>1 Passage Set</td>
<td>28 11U15 OL</td>
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<td>LC</td>
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<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
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<tr>
<td>1 Door Stop</td>
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**Set: 15.0**

Doors: 110A, 111A, 111B, 112A, T101.1

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<td>28 30 11G04 OL</td>
<td>626 SA</td>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626 SC</td>
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<tr>
<td>1 Wall Stop</td>
<td>403</td>
<td>626 RO</td>
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<tr>
<td>3 Silencer</td>
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**Set: 16.0**

Doors: 104

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<tr>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626 SC</td>
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<tr>
<td>1 Surface Overhead Stop</td>
<td>10-X36</td>
<td>652 RF</td>
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<tr>
<td>1 Threshold</td>
<td>PER DETAIL x FHSL</td>
<td>628 PE</td>
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<tr>
<td>1 Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
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**Set: 17.0**

Doors: 207A, 207B, 207C, NW-101A

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<td>3 Hinge</td>
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<td>20-765 x 50-213</td>
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<td>1 Wall Stop</td>
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**Set: 18.0**

Doors: 109A

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<td>557</td>
<td>626 RO</td>
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<tr>
<td>1 Dustproof Strike</td>
<td>570</td>
<td>626 RO</td>
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<tr>
<td>1 Storeroom Lock</td>
<td>28 30 11G04 OL</td>
<td>626 SA</td>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626 SC</td>
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<tr>
<td>2 Surface Overhead Stop</td>
<td>10-X36</td>
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<tr>
<td>1 Astragal</td>
<td>355CS</td>
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<tr>
<td>2 Silencer</td>
<td>608</td>
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Set: 19.0

2 Continuous Hinge MCK-25HD 628 MK
1 Key Removable Mullion KR4954 689 VD
1 Rim Exit Device CD 98DT x 990DT 626 VD
1 Rim Exit Device CD 98NL x 990NL 626 VD
1 Rim Cylinder 20-057 ICX 626 SC
3 Mortise Cylinder 20-061 ICX 626 SC
4 Primus Core 20-740 x 50-213 626 SC
2 Door Closer / Stop 4111 SCUSH 689 LC
1 Threshold PER DETAIL x FHSL 628 PE
1 Mullion Gasketing 5110BL PE

Notes: Weatherstrip by door & frame manufacturer

Set: 20.0
Doors: MP-102

2 Continuous Hinge MCK-25HD 628 MK
1 Exit Device LD 9847EO 626 VD
1 Exit Device LD 9847L-NL x 996L-NL 626 VD
1 Rim Cylinder 20-057 ICX 626 SC
1 Primus Core 20-740 x 50-213 626 SC
2 Door Closer / Stop 4111 SCUSH 689 LC
2 Kick Plate K1050 10" x 2" LDW 4BE CSK 630 RO
1 Threshold PER DETAIL x FHSL 628 PE
1 Mullion Gasketing 5110BL PE
1 Gasketing S88BL (Head & Jambs) PE
2 Door Sweep 315CN PE
2 Astragal 29324CNB PE

Set: 21.0
Doors: K-102.1, K-102.2

1 Continuous Hinge MCK-25HD 628 MK
1 Classroom Security Lock 28 30 11G38 OL 626 SA
2 Primus Cylinder 20-765 x 50-213 626 SC

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### Set: 22.0

Doors: K-104

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<td>4111 SCUSH</td>
<td>689 LC</td>
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<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
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<tr>
<td>1 Threshold</td>
<td>PER DETAIL x FHSL</td>
<td>628 PE</td>
</tr>
<tr>
<td>1 Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
<td>PE</td>
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<tr>
<td>1 Door Bottom</td>
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### Set: 23.0

Doors: K-102.3

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<td>628 MK</td>
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<td>1 Storeroom Lock</td>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626 SC</td>
</tr>
<tr>
<td>1 Surface Overhead Stop</td>
<td>9-X36</td>
<td>630 RF</td>
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<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630 RO</td>
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<td>1 Threshold</td>
<td>PER DETAIL x FHSL</td>
<td>628 PE</td>
</tr>
<tr>
<td>1 Gasketing</td>
<td>S88BL (Head &amp; Jambs)</td>
<td>PE</td>
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<tr>
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Notes: Weatherstrip by door & frame manufacturer

### Set: 24.0

Doors: MP-102.1, MP-102.2, MP-102.3

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<td>6 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
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<td>1 Auto Flush Bolt Set</td>
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<td>1 Dustproof Strike</td>
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<td>1 Exit Device</td>
<td>9875L-BE x 996L-BE</td>
<td>626 VD</td>
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<td>1 Coordinator</td>
<td>NX1600 SERIES</td>
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<td>1601AB/C</td>
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<tr>
<td>2 Door Closer / Stop</td>
<td>4111 SCUSH</td>
<td>689 LC</td>
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</table>
2 Kick Plate	K1050 10" x 2" LDW 4BE CSK	630 RO
1 Astragal	355CS	PE
2 Silencer	608	RO

Set: 25.0
Doors: K-101B, K-102B.1, K-103B, MP-102B

3 Hinge	T4A3786 x NRP 4-1/2" x 4-1/2"	652 MK
1 Storeroom Lock	28 30 11G04 OL	626 SA
1 Primus Cylinder	20-765 x 50-213	626 SC
1 Door Closer / Stop	4111 SCUSH	689 LC
1 Kick Plate	K1050 10" x 2" LDW 4BE CSK	630 RO
3 Silencer	608	RO

Set: 26.0
Doors: K-102B, K-103A, K-104.1, MP-103A, MP-T102A

3 Hinge	T4A3786 4-1/2" x 4-1/2"	652 MK
1 Storeroom Lock	28 30 11G04 OL	626 SA
1 Primus Cylinder	20-765 x 50-213	626 SC
1 Door Closer	4011 REG	689 LC
1 Kick Plate	K1050 10" x 2" LDW 4BE CSK	630 RO
1 Door Stop	482	626 RO
3 Silencer	608	RO

Set: 27.0
Doors: MP-105.1

1 Continuous Hinge	MCK-25HD	628 MK
1 Exit Lock	28 11G15-3 OL	626 SA
1 Surface Overhead Stop	10-X36	652 RF

Notes: Weatherstrip by door & frame manufacturer

Set: 28.0
Doors: K-102

3 Hinge	T4A3786 x NRP 4-1/2" x 4-1/2"	652 MK
1 Classroom Security Lock	28 30 11G38 OL	626 SA

MARCH 25, 2013	08703 - 13	DOOR HARDWARE SCHEDULE
<table>
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<th>Model/Code</th>
<th>Quantity</th>
<th>Spec Grade</th>
<th>Door Type</th>
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<td>20-765 x 50-213</td>
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<tr>
<td>1 Door Closer / Stop</td>
<td>4111 SCUSH</td>
<td>689</td>
<td>LC</td>
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<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
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<td>3 Silencer</td>
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### Set: 29.0

Doors: MP-105

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<td>3 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
<td>652</td>
<td>MK</td>
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<tr>
<td>1 Classroom Security Lock</td>
<td>28 30 11G38 OL</td>
<td>626</td>
<td>SA</td>
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</tr>
<tr>
<td>2 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626</td>
<td>SC</td>
<td></td>
</tr>
<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
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</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
<td></td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
<td></td>
</tr>
<tr>
<td>3 Silencer</td>
<td>608</td>
<td>RO</td>
<td></td>
<td></td>
</tr>
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</table>

### Set: 30.0

Doors: MP-T102, MP-T103

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Model/Code</th>
<th>Quantity</th>
<th>Spec Grade</th>
<th>Door Type</th>
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<tbody>
<tr>
<td>3 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
<td>652</td>
<td>MK</td>
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<tr>
<td>1 Classroom Lock</td>
<td>28 30 11G37 OL</td>
<td>626</td>
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<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626</td>
<td>SC</td>
<td></td>
</tr>
<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
<td>LC</td>
<td></td>
</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
<td></td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
<td>RO</td>
<td></td>
</tr>
<tr>
<td>3 Silencer</td>
<td>608</td>
<td>RO</td>
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</table>

### Set: 31.0

Doors: K-103C

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Model/Code</th>
<th>Quantity</th>
<th>Spec Grade</th>
<th>Door Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
<td>652</td>
<td>MK</td>
<td></td>
</tr>
<tr>
<td>1 Privacy Set</td>
<td>28 11U65 OL</td>
<td>626</td>
<td>SA</td>
<td></td>
</tr>
<tr>
<td>1 Door Closer</td>
<td>4111 EDA</td>
<td>689</td>
<td>LC</td>
<td></td>
</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
<td>RO</td>
<td></td>
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<tr>
<td>1 Wall Stop</td>
<td>403</td>
<td>626</td>
<td>RO</td>
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</table>

### Set: 32.0

Doors: K-T101, MP-T101

MARCH 25, 2013

08703 - 14  DOOR HARDWARE SCHEDULE
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Hinge</td>
<td>T4A3786 4-1/2&quot; x 4-1/2&quot;</td>
<td>652</td>
</tr>
<tr>
<td>1 Privacy Set</td>
<td>28 11U65 OL</td>
<td>626</td>
</tr>
<tr>
<td>1 Door Closer</td>
<td>4011 REG</td>
<td>689</td>
</tr>
<tr>
<td>1 Kick Plate</td>
<td>K1050 10&quot; x 2&quot; LDW 4BE CSK</td>
<td>630</td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>482</td>
<td>626</td>
</tr>
<tr>
<td>3 Silencer</td>
<td>608</td>
<td>RO</td>
</tr>
</tbody>
</table>

**Set: 33.0**

Doors: K-101.1, K-101.2, K-102.4

**1 Note:** ALL HARDWARE BY DOOR MANUFACTURER

**Set: 34.0**

Doors: G1

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Removable Mullion</td>
<td>4954</td>
<td>689</td>
</tr>
<tr>
<td>1 Exit Device</td>
<td>LD 98EO</td>
<td>630</td>
</tr>
<tr>
<td>1 Exit Device</td>
<td>98L x 996L</td>
<td>630</td>
</tr>
<tr>
<td>1 Rim Cylinder</td>
<td>20-057 ICX</td>
<td>626</td>
</tr>
<tr>
<td>1 Primus Core</td>
<td>20-740 x 50-213</td>
<td>626</td>
</tr>
<tr>
<td>2 Door Closer</td>
<td>4111 EDA</td>
<td>689</td>
</tr>
<tr>
<td>2 Door Stop</td>
<td>467</td>
<td>BLK</td>
</tr>
</tbody>
</table>

Notes: Hinges by gate manufacturer

**Set: 35.0**

Doors: G2

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Storeroom Lock</td>
<td>28 30 11G04 OL</td>
<td>626</td>
</tr>
<tr>
<td>1 Primus Cylinder</td>
<td>20-765 x 50-213</td>
<td>626</td>
</tr>
<tr>
<td>1 Door Stop</td>
<td>467</td>
<td>BLK</td>
</tr>
</tbody>
</table>

Notes: Hinges by gate manufacturer

**Set: 36.0**

Doors: G3, G4, G5, G6

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Padlock</td>
<td>KS23D2200</td>
<td>626</td>
</tr>
<tr>
<td>1 Primus Padlock Cylinder</td>
<td>47-413 x 50-210</td>
<td>626</td>
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</tbody>
</table>

MARCH 25, 2013

08703 - 15  DOOR HARDWARE SCHEDULE
Notes: Balance of hardware by gate manufacturer

**Set: 37.0**

Doors: B2

1 Continuous Hinge MCK-25HD 628 MK
1 Classroom Lock 28 30 11G37 OL 626 SA
1 Primus Cylinder 20-765 x 50-213 626 SC
1 Door Closer 4011 REG 689 LC
1 Door Stop 482 626 RO
1 Threshold PER DETAIL x FHSL 628 PE

Notes: Weatherstrip by door & frame manufacturer

**Set: 38.0**

Doors: MP-103

1 Continuous Hinge MCK-25HD 628 MK
1 Classroom Security Lock 28 30 11G38 OL 626 SA
2 Primus Cylinder 20-765 x 50-213 626 SC
1 Door Closer 4111 EDA 689 LC
1 Door Stop 483 x EXP 626 RO
1 Threshold PER DETAIL x FHSL 628 PE

Notes: Weatherstrip by door & frame manufacturer

**Set: 39.0**

Doors: NW-101, NW-104, NW-104.1, NW-105, NW-105.1, NW-201, NW-201.1, NW-202, NW-202.1, NW-203, NW-203.1

1 Continuous Hinge MCK-25HD 628 MK
1 Classroom Security Lock 28 30 11G38 OL 626 SA
2 Primus Cylinder 20-765 x 50-213 626 SC
1 Door Closer 4011 REG 689 LC
1 Door Stop 482 626 RO
1 Threshold PER DETAIL x FHSL 628 PE

Notes: Weatherstrip by door & frame manufacturer
Set: 40.0

Doors: NW-102, NW-103

1 Continuous Hinge  MCK-25HD  628  MK
1 Keyed Privacy Lock x Indicator  LB 50 8225 OL x LC  626  SA
1 Mortise Cylinder  30-002 x B520-256 x 50-210  626  SC
1 Door Closer  4011 REG  689  LC
1 Door Stop  482  626  RO
1 Threshold  PER DETAIL x FHSL  628  PE

Notes: Weatherstrip by door & frame manufacturer

END OF SECTION 080671
PART 1 - GENERAL

1.1 SUMMARY

A. Furnish and install all equipment including, but not limited to, outlet boxes, conduit (with pull strings), wiring, telephones, annunciators, speakers, and microphones as shown on the plans, and all other equipment necessary to provide a complete and operating system.

B. Equipment supplied by SimplexGrinnell (Referenced as the “Supplier”) to be considered as meeting these specifications and as the base bid. The specifying authority must approve any alternate system. Bidders supplying an alternate system must make the authority aware of their intentions and provide adequate information, including catalog cuts, working shop drawings and a demonstration of the proposed system at least 10 days prior to bid date. Any prior approval of an alternate system does not exempt the supplier from meeting the intent of these specifications. If the alternate system fails to provide all the requirements specified in this document, Contractor to be responsible for all costs associated with the removal and replacement of said equipment.

1.2 RELATED SECTIONS

A. Contents of Division 16, Electrical, and Division 1, General Requirements, apply to this Section.

1.3 REFERENCES AND STANDARDS

A. References and Standards as required by Section 16700, Communications Basic Requirements, and Division 1, General Requirements.

1.4 SUBMITTALS

A. Submittals as required by Section 16700, Communications Basic Requirements and Division 1, General Requirements.

B. In addition, provide:

1. Data sheets on all equipment being provided.
2. Internal control cabinet drawings showing internal block diagram connections.
3. Wiring diagrams showing typical field wiring connections.
4. FCC registration number.
1.5 QUALIFICATIONS

A. Contractor to be from an established and locally run business which has been operating in the area for a minimum of five years.

B. System Supplier to show evidence that he/she maintains a service organization and parts inventory to adequately support the supplied equipment.

1.6 QUALITY ASSURANCE

A. Quality assurance as required by Section 16700, Communications Basic Requirements, and Division 1, General Requirements.

B. In addition, meet the following:
   1. Supplier to maintain a locally run business for a minimum of five years as authorized distributor of the supplied equipment with full warranty privileges.
   2. Maintain the necessary spare parts in the proper proportion locally, as recommended by the equipment manufacturer, to maintain and service the equipment being supplied. This facility to be available for inspection by the engineer.
   3. System Supplier to have attended the manufacturer's installation and service school.
   4. System Supplier to furnish manufacturer's manuals of the completed system including individual specification sheets, inter-panel and intra-panel wiring diagrams. Additionally, include all information necessary for the proper operation of the system. Any bidder using equipment other than what is specified must provide this information prior to bidding.
   5. Upon completion of project, supply as built drawings which include any changes to wiring, wiring designations, junction box labeling and any other pertinent information.

1.7 WARRANTY

A. Warranty of materials and workmanship as required by Section 16700, Communications Basic Requirements, and Division 01, General Requirements.

1.8 MAINTENANCE SERVICE

A. Provide a two-year guarantee of the installed system against defects in material and workmanship. Provide all labor and materials at no expense to the Owner. Guarantee period to begin on the date of acceptance by the Owner or engineer.

B. A maintenance contract offering continued factory authorized service of this system to be made available if requested by the Owner.
1.9 IN SERVICE TRAINING

A. System Supplier to furnish a minimum of four hours of in service training with the system. These sessions to be broken into segments that will facilitate the training of individuals in operating station equipment, administrative devices, user programming functions, and program distribution equipment. Provide operating manuals and users’ guides at the time of the training.

1.10 WIRING

A. System wiring to be in accordance with good engineering practices as established by the EIA and NEC.

B. Wiring to meet all established state and local electrical codes.

C. All wiring to test free from grounds and shorts.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Simplex 5100 Series BCS

2.2 FEATURES AND INSTALLATION

A. General:
   1. Include a comprehensive programmable microprocessor based communications system consisting of a central switching exchange capable of handling up to 120 remote stations.
   2. Locate all programmable functions in battery backed ram to prevent loss in a power failure condition.
   3. System to have provisions for battery back-up and charger specifically designed for use with system power supplies. Systems that use an uninterruptible AC power supply (UPS) system will not be accepted.
   4. Provide eight internal relays which can be activated manually from any administrative phone or automatically via an optional integral Master Time Control Center.
   5. Provide provisions for program distribution of three audio program sources simultaneously to any one or group of staff stations. Base bid must support a minimum of two active programs.
   6. Provide nine built in software definable signaling tones may be used for signal distribution.
B. Central Switch:
   1. The central switch to utilize standard dual tone multi-frequency type decoding (DTMF) for conformance with standard telephone practices.
   2. Central switch to provide an RS-232 port to accommodate on or off site optional system management software for programming and/or diagnostic operations. Software to be Microsoft Windows based, compatible with Windows 95, 98, 2000 or NT, and loaded on a user’s Personal Computer (PC). The user will have the ability to access and change all system parameters as necessary and to save the complete system architecture on its storage medium. It will be possible to connect the central switch directly to the PC via serial cable (supplied with the software), optional telephony-based modem, or optional LAN/WAN device server using industry standard TCP/IP addressing over an Ethernet or Token-Ring networking environment. When using telephony-based modem or LAN/WAN connection schemes, it must be possible to program and/or run diagnostics for multiple systems.

C. Amplification:
   1. Provide individual, independent amplification for each remote station to allow absolute flexibility for simultaneous paging, program distribution and time tone schedules. Equipment requiring a single power amp for these functions shall size such an amp as to deliver a minimum of (1.5) watt per station to compensate for inherent transformer losses.
   2. Additional power will be required for hallway speakers, outside horns and common areas.

D. Printers:
   1. Provide facilities for a printer output to create a log of system activity.
   2. If supplied with TCP/IP addressing, the system to provide real time industry standard SMDR formatted event logging that can be stored at a PC with system management software.

E. Phones:
   1. Provide system with four multifunction ports for connection of administrative phones and or any loop start trunk port of a key or PBX telephone system. All communication between administrative phones to be non-blocking. Provide a minimum of one PBX port interface as part of this basic bid specification.
   2. Provide capabilities of zoning incoming calls from any staff station location to any of four multifunction ports.
   3. Provide four telephonic links between DTMF telephone locations.
   4. Provide eight unrestricted audio paths for private communication between administrative phones, administrative phones and staff stations, program or time tone distribution and paging.
F. Intercom:
   1. Provide one direct dialing, two-way voice amplified intercom link with automatic gain control for every twenty-four stations allowing multiple open voice conversations.

G. Time-Tone Schedules:
   1. Provide eight separate time-tone schedules with a minimum of 1024 events.
   2. Individual events of each schedule to be capable of sounding one of nine user defined tone types. These schedules can be run individually or simultaneously.

H. Paging Zones:
   1. Provide twenty-four paging zones with two priority levels of all call capability. Paging into any one zone is not to interrupt any program(s) previously distributed.
   2. If the areas receiving program are part of the page zone the program will be interrupted during the page and returned automatically when the page is completed.

I. Clock:
   1. Provide integral internal program clock for time tone distribution and other time related functions.
   2. Provide capability to synchronize the program clock from an external GPS Wireless Clock Controller.

J. Voice Synthesized Call-In:
   1. Provide system with voice synthesized call-in, which provides any administrative telephone audible annunciation of the calling parties’ architectural room number.
   2. Optional hand-sets or call stations are required for this feature.
   3. Provide two, three, or four-digit programmable architectural room numbers for administrative and staff station locations.

K. Caller ID:
   1. Provide optional Caller ID information for use with specific administrative phones and PBX interface port as part of base system.

L. Ring Tones:
   1. Provide discriminating ringing to distinguish different priority levels of incoming calls.
   2. Optional hand-sets or call stations are required for this feature.
   3. Provide selective pre-announce tones:
      a. Single Chime-Page
      b. Dual Chime-Intercom Call
M. Call Tones

1. General:
   a. Provide call confirmation tone at the intercom speaker location when a call is placed. This tone verifies that the call has been placed into the system queue.
   b. Optional hand-sets or call stations are required for this feature.

2. Emergency Calls:
   a. A second confirmation tone to be activated if the call is upgraded to an emergency call.
   b. Equipment which does not notify the caller that the system has accepted the upgraded call will require the use of a supplemental LED indicator at each calling location.
   c. After a user-determined time, unanswered emergency calls will have their architectural room number automatically announced over any one or group of speakers. This automatic page notifies nearby staff of an emergency condition and ensures immediate response. Simply answering the call will restore system to normal.
   d. Optional hand-sets or call stations are required for this feature.

2.3 Administrative Telephone:

A. Administrative telephone to be a standard DTMF set, which may be equipped with an optional 4 x 20 LCD display for visual display of incoming calls.

B. Provide the following features by the administrative telephone: Simplex 5120 Series.
   1. Three Levels of System Access:
      a. Level 1: Dialing of any administrative or speaker station, all call, emergency all call, zone paging, school/erase call waiting queue, transfer and conference.
      b. Level 2: Same as Level 1 with select and distribute program capabilities, set/reset alarm and relay functions.
      c. Level 3: Same as Level 2 plus the capability to bump or join a conversation in progress and to access system set-up menu for all programming features.

C. General:
   1. Provide speaker and microphone for hands-free communication. Administrative phones requiring a push to talk switch will not be accepted.
   2. Provide sixteen single-touch programmable function buttons for frequently dialed functions, page groups, bell schedules, program distribution, etc.
   3. Provide three emergency programmable buttons for alert and evacuation tones.
   4. Provide mute function for privacy.
   5. Provide selective monitoring of program sources being distributed to staff locations.
6. Provide facilities to transfer or hold calls.
7. Provide adjustable ringer volume.
8. Provide hands-free speaker volume control.

D. Operator's Display:
1. Provide an operator's display at each designated administrative phone. This 4 x 20 LCD display will continually show time, day, date and current operating time schedule(s) unless it is in the programming mode. Programming menus, time schedules and complete system architecture can also be displayed when in the programming mode.
   a. Simplex 5130 Series.
2. Additionally, show up to three incoming calls (the fourth line shows how many additional calls are in the queue).
3. Optional hand-sets or call stations are required for this feature.

2.4 STAFF STATION CALL-IN ASSEMBLY

A. General:
1. The staff station call-in assembly to be a momentary contact spring return type switch and an integral volume control mounted to a stainless steel single gang plate. This volume control will compensate for varying room sizes and acoustical conditions.
2. The call-in switch will be capable of 6 different access levels.
3. Optional hand-sets or call stations are required for these features:
   a. Level 0 - Normal: Normal calls are initiated when activated.
   b. Level 1 - Security: Allows activation of a common system relay.
   c. Level 2 - Normal/Emergency: Normal calls are initiated by simply depressing the call-in switch. These stations can initiate an emergency call by depressing the call-in switch 4 times within 5 seconds. Emergency calls will display "HELP" on administrative displays and provide a special ring signal. This emergency call can be programmed to ring a special emergency phone.
   d. Level 3 - Urgent/Emergency: Same as Level 2 except depressing the call switch once will initiate an "Urgent" call, which would be a higher priority than a "Normal" call.
   e. Level 4 - Night: Allows for the ringing of the proper Administrative Telephone as well as all speakers in the building.
   f. Level 5 - Emergency: Depressing the call switch will immediately place an emergency call.
   g. Level 6 - Ignore: Allows the call switch to be bypassed while not affecting the staff station speaker.
4. Provide an 8-inch dual cone design staff station speaker with a minimum frequency response of 30Hz-18kHz. It is to have a minimum voice coil diameter of 3/4-inch, a 5.0 ounce magnet and be capable of handling 10 watts of program power:
   a. Simplex 5120 Series.

5. Weatherproof outside paging loudspeakers to have a minimum power rating of five watts. Speaker to have a minimum frequency response of 275-14kHz and a dispersion angle of 120 x 60 degrees.
   a. Simplex 5120 Series.

6. Provide provisions for the automatic distribution of paging announcements from an optional remote microphone. Keying the microphone to automatically mute all other audio sources and transmit the microphone signal to all rooms or specific groups of rooms as programmed into the system software.

7. Optional Program sources for distribution to be a combination Cassette Tape/AM-FM Radio. Provide Program Monitor Assembly to preview audio material prior to distribution. Provide a roof top antenna to ensure proper reception on the FM band. Provide appropriate wall or desk rack mounting of this device as shown on drawings.

8. Time Tone Units: Simplex 6331 Series as indicated on drawings.

9. Provide an integral Master Clock: Simplex 5120 Series Compatible

10. Provide low power digital clocks compatible with Simplex 5120 Series BCS integral Master Clock for a completely synchronized clock and bell system.

PART 3 - EXECUTION

3.1 CABLES

A. System Wiring:
   1. All wiring to be in accordance with current new construction wiring guidelines published by the manufacturer, including telephones, displays, staff speaker and call switches.

B. Obtain written instruction from Communications Systems Manufacturer regarding the appropriate wire/cable to be used for this installation. Make no deviation from the written instruction without the prior written approval of the Communications Systems Manufacturer.

C. Transient suppression is required on all wiring leaving the building.

D. All cables run in underground conduits must be rated as suitable for wet locations.

3.2 INSTALLATION

A. Install complete system in strict accordance with manufacturer's recommendations.

B. Install all wiring in raceways where routed through plenum ceiling areas.
3.3 INSPECTION AND TEST UPON COMPLETION

A. Check-out and final connections to the system to be made by a factory trained technician in the employ of a manufacturer of the products installed. In addition, factory trained technicians to demonstrate operation of the complete system and each major component to the Owner.

B. Provide system field wiring diagrams to this subcontractor by the system manufacturer prior to installation.

C. Guarantee all materials and installation to be free of defects in material and workmanship for one year after final acceptance of installation and test.

D. Upon completion of the installation, furnish four copies of complete operational instructions, complete with record drawings. Include part numbers and names, addresses, and telephone numbers of parts source. Final payment will not be made until operational manuals have been received.

E. Upon completion of the installation of the equipment, the electrical contractor to provide to the engineer a signed statement from the equipment supplier that the system has been wired, tested, and functions properly according to the specifications.

F. If requested by the owner and recommended by the engineer, a one-time occupancy adjustment service will be made by the contractor within 90 days after system acceptance. This service to include the re-tapping of amplified speakers and all amplifier adjustments as identified by the engineer to provide the owner with a well-balanced public address system. All materials required, which includes any specialty tools, lifts, etc., will be provided by the contractor at time of service. The system supplier will accompany the contractor to assist with the testing of all occupancy adjustments.

G. Nothing contained in these specifications is to be construed to relieve the Contractor from furnishing a complete and acceptable electrical wiring system in all its categories. The engineer will condemn and reject any materials or labor which are or may become detrimental to the accomplishment of the intentions of these specifications.

END OF SECTION
KEY NOTES

NOTE: ALL ARCHITECTURAL KEY NOTES ON PLANS TO BE REPRESENTED BY SYMBOL

- N27 (N) STAINLESS STEEL COUNTERTOPS FULLY FORMED ROLLED O GRADE PLYWOOD. SEE 2/K-A9.02
- N28 (N) HANDWASH SINK
- N29 (N) WATER BOTTLE FILLER, OASIS MODEL: SP-MWSMSBF
- N30 NOT USED
- N31 (N) SOAP DISPENSER
ROOF INFILL DETAIL
SCALE: 3" = 1'-0"

BUILT-UP ROOFING SYSTEM
HIGH DENSITY FIBER BOARD
RIGID FOAM INSULATION

3/4" PLYWOOD

3X JOIST, 16" O.C.

P.T. 3X LEDGER WITH 1/2" DIA. ANCHOR BOLT @12" O.C.

(E) CONCRETE ROOF

(E) OPENING

NEW ACADEMIC CAMPUS AT 300 SENECA
KITCHEN BUILDING ALTERATION
DSA # 01-113664

DATE: 04/07/14
DRAWING REFERENCE: K-A3.21

ASK-2

Dsk architects
926 NATOMA ST. SUITE 200
SAN FRANCISCO, CA 94103
(415) 849-6418
KEY NOTES

NOTE: ALL ARCHITECTURAL KEY NOTES ON PLANS TO BE REPRESENTED BY SYMBOL

N30 (N) ROOF WALK PADS (25) 32"X32"

NEW ACADEMIC CAMPUS AT 300 SENECA
KITCHEN BUILDING ALTERATION
DSA # 01-113664

DRAWING REFERENCE: K-A2.13
DATE: 04/07/14
SCALE: 1/8" = 1'-0"

ROOF PLAN

N30 (N) ROOF WALK PADS (25) 32"X32"
ROOF PLAN
SCALE: 1/8" = 1'-0"

NEW ACADEMIC CAMPUS AT 300 SENECA
KITCHEN BUILDING ALTERATION
DSA # 01-113664

DATE: 04/07/14
DRAWING REFERENCE: K-A2.13

ASK-4
NOTE: STOREFRONT IS A DEFERRED APPROVAL ITEM

FOR DOOR TYPE, SEE DOOR SCHEDULE

EXTERIOR STOREFRONT SCHEDULE
SCALE: 1/4" = 1'-0"

NEW ACADEMIC CAMPUS AT 300 SENECA
KITCHEN BUILDING ALTERATION
DSA # 01-113664

DATE: 04/07/14
DRAWING REFERENCE: K-A2.16

ASK-5.1
SOUTH ELEVATION
SCALE: NTS

NEW ACADEMIC CAMPUS AT 300 SENECA
KITCHEN BUILDING ALTERATION
DSA # 01-113664
ASK-5.2

DATE: 04/07/14
DRAWING REFERENCE: K-A3.11


(E) LEVEL 2 FLR.  
195'-0"

(E) KITCHEN ROOF H.P.  
207'-10"

SOUTH ELEVATION