



STATE OF NEW YORK  
OFFICE OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242



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**ADDENDUM NO. 1 TO PROJECT NO. 43957**

**CONSTRUCTION WORK, ELECTRICAL WORK AND HVAC WORK**

**PROVIDE SECURITY SYSTEMS UPGRADES  
BROOKWOOD SECURE CENTER  
419 SPOOK ROCK RD  
CLAVERACK, NY 12513**

February 14, 2013

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

C CONTRACT:

SPECIFICATIONS

1. 081102 STEEL DOORS AND FRAMES: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 081102-1 thru 081102-8) noted "Revised 2/13/2013".
2. Page 087100-9 Article 2.04: Change Article 2.04 to read:

"2.04 FINISH HARDWARE

A. HW Set 1:

1. Continuous Hinge: 1ea – Zero 919 STST x HT x marked "Top" x torx with center security pin x 630.
2. Mortise Lockset: 1ea - Corbin Russwin ML2024 x YWM x curved lip strike x wrought box x torx with center security pin x 630.
3. Mortise Lock Cylinder: 2ea - Compatible with existing Best interchangeable core and specified lock above x 626. Owner shall furnish cores.
4. Closer: 1ea – LCN 4513T x SRI x thru-bolt x torx with center security pin x AL.
5. Kick Plate: 2 ea – Rockwood K1062 10" x 1 ½" LDW x B4E x torx with center security pin x 630.
6. Wall stop: 1 ea – Rockwood 400/402 as required x torx with center security pin x 626."

## **ADDENDUM NO. 1 TO PROJECT NO. 43957**

3. 123216 PLASTIC LAMINATE CLAD CASEWORK: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 123216-1 thru 123216-5) noted "Revised 2/13/2013".

### **DRAWINGS:**

4. Revised Drawings:
  - a. Drawing Nos. AD-101 and A-101 noted "Revised 2/13/2013" accompany this addendum and supersede the same numbered originally issued drawings.

### **E CONTRACT:**

### **SPECIFICATIONS**

5. Page 271524-7 Change Paragraph 2.02 A-1c: to read: c. Fiber Type: single mode fiber.
6. Page 275112-4 Change Paragraph 2.01 Title to read: INTERCOM SYSTEMS (FURNISHED BY TYCO)
7. Page 275112-6 Delete Paragraph 2.02 in its entirety.
8. Page 281300-25 Change Paragraph 2.03 Title to read: PROGRAMMABLE LOGIC CONTROLLERS (FURNISHED BY TYCO)
9. Page 281300-33 Change Paragraph 2.04 Title to read: REDUNDANT COMMUNICATIONS NETWORK (FURNISHED BY TYCO)
10. Page 281300-34 Change Paragraph 2.05 Title to read: INTERFACE BOARDS (FURNISHED BY TYCO)
11. Page 281300-35 Change Paragraph 2.03 Title to read: REQUIRED SPARE PARTS (FURNISHED BY TYCO)
12. 281301 SECURITY CONTROL AND MONITORING SYSTEM: Accompanies this addendum and forms part of the Contract Documents. (281301-1 thru 281301-5)
13. Page 282304-13 Change Paragraph 2.03 Title to read: FLAT PANEL HIGH DEFINITION LCD MONITOR (FURNISHED BY TYCO)
14. Page 282304-16 Add to Paragraph 2.03-L:
  1. PMCL523A 23 inch( 583mm) LCD Monitor, 1366 x 786 resolution.
  2. PMCL542BL 42inch (1168mm) LCD Monitor

**ADDENDUM NO. 1 TO PROJECT NO. 43957**

**DRAWINGS:**

15. Drawing No. E-101

- a. Site Plan: Add pedestrian gate references 209 and 210 to existing pedestrian gates in the vehicle sally port. Gate 209 is on the south corner of the west fence and gate 210 is in the south corner of the east fence.

16. Revised Drawing:

- a. Drawing Nos. ED-102, E-102, E-103, and E-604 , noted "REVISED 2/13/2013" accompany this Addendum and supersede the same numbered originally issued drawings.

17. Addendum Drawing:

- a. Drawing No. E-605, noted "ADDENDUM DRAWING 2/13/2013" accompanies this Addendum and forms part of the Contract Documents.

**HVAC CONTRACT:**

NO ADDENDUM AT THIS TIME

**END OF ADDENDUM**

James Dirolf, P.E.  
Director of Design

## SECTION 081102

### STEEL DOORS AND FRAMES

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Steel frames, including exterior fixed windows; and stops; hardware reinforcements; and accessories as shown in the contract documents.

##### 1.02 REFERENCES

- A. ANSI- American National Standard Institute
  1. A240: Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications.
  2. A250.4-2001 Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcings.
- B. NAAMM National Association of Architectural Metal Manufacturers
  1. HMMA 830-1997 Hardware Preparations and Locations for Hollow Metal Doors and Frames.
  2. HMMA 831-1997 Recommended Hardware Locations for Hollow Metal Doors and Frames.
  3. HMMA 840-1999 Guide Specification for Installation and Storage of Hollow Metal Doors and Frames.
  4. HMMA 861-2000 Guide Specification for Commercial Hollow Metal Doors and Frames.
- C. NFPA National Fire Protection Association
  1. NFPA 80- 2010 Standard for Fire Doors and other Opening Protectives.

##### 1.03 DEFINITIONS

- A. Steel Door and Frame Manufacturer: Manufacturer of steel doors and frames regularly engaged in the manufacturing of such products for use in commercial, institutional, educational and other similar applications.
- B. Company Field Advisor(s): An employee of the steel door and frame manufacturer who is certified in writing by the manufacturer to be technically qualified in design, installation, and servicing of products.
- C. Steel Door and Frame Distributor: Distribution Company who regularly engages in the distribution of steel doors and frames of the manufacturer whose doors and frames are submitted for this project.
- D. Certified Installation Supervisor: Designated supervisor/installer, who has a minimum three years experience in steel frame and door installation, and is certified in writing by the steel door and frame manufacturer as qualified and responsible to ensure approved steel frames and doors are installed, adjusted, and operate properly.

## 1.04 SUBMITTALS

- A. Waiver of Submittals: "Waiver of Certain Submittal Requirements" in Section 01330 does not apply to this Section.
- B. Submittals Packages
  - 1. Door and Frame Schedule and Shop Drawings Package: Submit as a complete package. Incomplete packages will be returned unreviewed.
    - a. Quality Assurance Submittal
      - 1) Certification of Compliance as described in the Quality Assurance Article.
      - 2) Company Field Advisor's Qualification Data
        - a) Name of Company Field Advisor and Employer's name, business address and telephone number and e-mail address.
        - b) Names and addresses of 3 similar projects Company Field Advisor has worked on during the past three years.
        - c) Written certification on steel door and frame manufacturer's letterhead that Company Field advisor is technically qualified in design, installation, and servicing of the products furnished for this Project.
      - 3) Certified Supervisor's and Installer's Qualification Data
        - a) Name of Supervisor and each Installer performing Work, and Employer's name, business address and telephone number.
        - b) Names and addresses of 3 similar projects Supervisor and each Installer has worked on during the past three years.
        - c) Written certification on steel door and frame manufacturer's letterhead that Supervisor/Installer is technically qualified to ensure approved steel frames and doors are installed, adjusted, and operate properly.
    - b. Door and Frame Schedule:
      - 1) Include a Cover Sheet that lists:
        - a) OGS project name, project number, and project address.
        - b) Manufacturer's name, address, and telephone number.
        - c) Distributor's name, address, and telephone number.
        - d) Shop drawing preparer's name, and telephone number and e-mail address.
        - e) Submission date.
      - 2) List by opening
        - a) Door and Frame number and location by building and room name. Use same reference numbers for openings and as those shown on Contract Drawings.
        - b) Door width, height, thickness, type, gage, and options
        - c) Frame type, width, height, jamb depth, gage, anchor type and options.
        - d) Door and frame elevations; head and jamb

- profiles and details; welding requirements; and reinforcements.
- e) Fire Rating.
- f) Glass type.
- g) Undercut.
- h) Electric preparations, if any.
- i) Hardware Set.
- j) Show dimensioned elevations; construction details of each door including vertical and horizontal edge details; and frame details for each type, including dimensions profiles; locations for finish hardware, including cutouts and reinforcements; gage of reinforcements; details of connections; anchors and accessories; and details of conduit and preparations for electrified door hardware and controls.
- 3) Product Data: Manufacturer's catalog sheets, specifications, and detailed installation instructions. Highlight products and options pertaining to this Project. Cross out information irrelevant to this Project.
- 4) Manufacturer's Written Certification of Compliance that their products conform to the requirements of the references named in the References Article of this specification section, and as modified by this specification.
- 5) Samples:
  - a) Frames: Corner sample of each type, 18 x 18 inches, with mortises and reinforcements, factory primed or factory finished, as required.
- 2. Closeout Submittals: Submit as a complete package.
  - a. Operation and Maintenance Manuals: Furnish 2 (two) hard cover three ring binders with project name and number prominently displayed on the front cover and the spine.
  - b. Listing of Manufacturer, address and contact information
  - c. Approved Door and Frame Submittal including shop drawings and product data sheets
  - d. Manufacturer's dated warranty for this specific project identified by Facility, OGS project number, and manufacturer's order number.
  - e. Certification: Written certification from the Company Field Advisor that their products are installed according to manufacturer's printed installation instructions, and are operating properly.

## 1.05 QUALITY ASSURANCE

- A. Uniformity and single source responsibility:
  - 1. Provide steel frames from a single source manufacturer who specializes in this type of work.
- B. Certification of Compliance: A statement, written on steel frame manufacturer's letterhead, that certifies their products, submitted for this Project, have been tested and comply with references named in the References Article of this specification section, and as modified by other requirements this specification.

- C. Construction Verification: In order to determine if the products furnished comply with the specifications, the Director may choose one or more doors and frames for examination. The examination may involve cutting doors to expose the internal construction to inspect reinforcements, cores, welds and other construction details.
- D. Field Measurements: Verify existing openings by field measurements before fabrication and indicate measurements on shop drawings.
- E. Pre-Submittal Conference: Pre-Submittal Conference: Before the steel frame submittals are written, the contractor, the steel frame distributor, the steel frame shop drawing preparer, and the steel frame designer shall attend a conference to discuss the contract requirements for the steel frame submittal package, including but not limited to, quality assurance items to be submitted, the cover sheet, index, page numbering, schedule formatting, product nomenclature, installation notes, preparations for electric hardware, and product data sheets.
- F. Pre-installation Conference: When steel frames are on site, and before steel frame installation begins, the Director's Representative shall call a conference at the site to review the approved Steel Frame Submittal, approved Finish Hardware Submittals, and proper installation procedures for the Work as well as:
  - 1. Pre-installation inspection of Frames
    - a. Use and coordination of approved Steel Frame submittals with approved Door and Finish Hardware Submittals in the pre-installation inspection process
    - b. Reading and understanding manufacturer's Frame tags
    - c. Inspection and verification of labeling and label placement
      - 1) Specified fire labels (attached metal labels) on frames,
      - 2) Label locations
      - 3) Label legibility
    - d. Inspection and verification of proper welding of frames
    - e. Inspection and verification of hardware reinforcement and preparations in frame head and jambs.
    - f. Inspection and verification of required anchors and fasteners.
    - g. Inspection and verification of glass kit preparations in doors
    - h. Inspection and verification of Electric hardware preparation in frames
  - 2. Review of maximum allowable clearances between frames and doors; doors and floor; and meeting stiles of doors, and verification methods.
  - 3. Verification of plumb, square and level frame installation with jamb rabbets parallel to one another.
  - 4. Review of proper frame installation tools.

The contractor, frame installers, certified Company Field Advisor, OGS designer; and OGS inspector shall attend the conference. Facility personnel may attend. The OGS designer will present installation information.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver frames in heavy paper cartons or other protective packaging. Remove any plastic protective wrap from the package.
- B. Store frames under cover, in a dry area, on raised platforms in vertical position with minimum 4 inch blocking between units to allow air circulation.

- C. Clearly label packaging, and frames, for identification and installation location.

## **PART 2 PRODUCTS**

### **2.01 MATERIALS**

- A. Hot-Rolled Steel Sheets and Strip: Commercial quality carbon steel, pickled and oiled, complying with ASTM A 569 and ASTM A 568
- B. Cold-Rolled Steel Sheets: Commercial quality carbon steel complying with ASTM A1008/A1008M-04b 2004.
- C. Galvannealed Steel Sheets: Zinc Iron Alloy-Coated carbon steel sheets of commercial quality complying with ASTM A 653/653M, with A 60 zinc coating.
- D. Anchors and Supports: Fabricate of not less than 16 gage sheet steel unless otherwise indicated.
  - 1. Galvanized Units: Galvanize anchors and supports to be used with galvanized frames, complying with ASTM A 153, Class B.

### **2.03 FRAMES**

- A. General:
  - 1. Furnish steel frames for doors, fixed exterior windows, and other openings, as shown, of size and profile as indicated.
  - 2. Construction: Full welded unit construction, with corners mitered and continuously welded full depth and width of frame, unless otherwise specified or shown. Knock-down type frames will not be accepted.
    - a. Fixed Stops: Integral 5/8 inch stop unless otherwise shown.
    - b. Removable Beads: Removable steel beads secured with machine screws. Form corners with butted hairline joints.
  - 3. Do not drill frames for silencers.
  - 4. Weld steel shipping spreaders to the underside of the jamb legs, requiring removal of the spreaders prior to frame installation.
- B. Interior and Exterior Frames: Form of hot-rolled steel sheets, not less than 14 gage, zinc alloy iron coated A60 galvannealed.
- C. Wall Anchors at interior doors: Unless otherwise specified or shown, formed of not less than 16 gage galvannealed steel.
  - 1. Steel Stud Construction: Weld-in type welded to back of frame unless otherwise indicated or approved. Furnish at least 4 anchors per jamb up to 7'-6" jamb height; 5 anchors per jamb to 8 foot jamb height; one additional anchor per jamb for each 24 inches or fraction thereof over 8 feet high.
- D. Wall Anchors at exterior fixed windows: Unless otherwise specified or shown, formed of not less than 16 gage galvannealed steel.
  - 1. Anchors for Completed Openings: Anchorage devices designed to secure frame to in-place concrete or in-place masonry construction, as applicable. Furnish at least 5 anchors per jamb up to 7'-6" jamb height;

6 anchors per jamb to 8 foot jamb height; one additional anchor per jamb for each 12 inches or fraction thereof over 8 feet high.

- E. Floor Anchors: Furnish floor anchor for each jamb and mullion which extends to floor, formed of not less than 16 gage steel, with 2 holes to receive fasteners, welded to bottom of jamb or mullion, and galvanized if used with galvanized frames

## **2.04 FABRICATION**

- A. Fabricate steel frame units to be rigid, neat in appearance, and free from warp, buckle and defects. Accurately form metal to required sizes and profiles, with minimum radius for thickness of metal. Where practical, fit and assemble units in manufacturer's plant. To assure proper assembly at Project site, clearly identify items that cannot be permanently factory-assembled before shipment.
- B. Exposed Fasteners: Countersunk flat, or oval head torx center pin screws and bolts. Unless otherwise indicated, locate fasteners 2 inches from ends of members and not more than 12 inches apart.
- C. Finish Hardware Reinforcements:
  - 1. Minimum 10 gage continuous reinforcement for continuous hinges.
  - 2. Install 7 gage reinforcement for butt hinges, or hinge reinforcement in door edge may be one piece 12 gage channel full door height with extruded hinge screw holes having an average minimum thread pull-out strength of 1600 pounds per hole.
  - 3. Minimum 12 gage reinforcement for other hardware.
  - 4. Weld 14 gage steel tongues, 1-1/2 inches high, inside lock mortise to keep lock body centered in door.
  - 5. Closer reinforce doors and provide full profile closer reinforcement in frames for full width of opening, whether or not closers are specified.
- D. Finish Hardware Preparation:
  - 1. Factory prepare frames to receive mortised and concealed hardware, including cutouts; reinforcing; drilling and tapping, in accordance with approved Finish Hardware Schedule and templates furnished by hardware manufacturers.
  - 2. Factory reinforced frames to receive surface applied hardware. Drill and tap for surface applied hardware at project site.
- E. Finish Hardware Locations: Locate hardware reinforcements and mortises so hardware locations comply with requirements of HMMA 831, "Recommended Hardware Locations for Custom Hollow Metal Doors and Frames", and as follows:
  - 1. Knobs, Levers, Crescents : Centerline 3'2" from finished floor.
  - 2. Mortise Deadlocks: Centerline not to exceed 48" above finished floor.
- F. Factory Prefinish Painting:
  - 1. Chemically wash, rinse, and dry exposed and concealed surfaces of fabricated units.
  - 2. Apply one coat of primer with vinyl binder to surfaces and oven-bake units.
  - 3. Units shall be capable of passing the following tests:
    - a. Salt Spray Test complying with ASTM B 117-97 for 120

- continuous hours.
      - b. Water Fog Test complying with ASTM D 1735-97 for 240 continuous hours.
    - 4. Factory pre-finish doors and frames where indicated on the Door Schedule.
      - a. Provide custom color(s) as selected by the Director's Representative.
      - b. Provide 3 (three) touch-up paint kits for field repair. Turn over remaining paint to the Facility. omit
  - G. Factory Prime Painting:
    - 1. Chemically wash, rinse, and dry exposed and concealed surfaces of fabricated units.
    - 2. Apply one coat of primer with vinyl binder to surfaces and oven-bake units.
    - 3. Units shall be capable of passing the following tests:
      - a. Salt Spray Test complying with ASTM B 117-97 for 120 continuous hours.
      - b. Water Fog Test complying with ASTM D 1735-97 for 240 continuous hours.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verification of Conditions: Examine substrates, areas and conditions, with installer present under which frames are to be installed for defects that will adversely affect execution and quality of Work. Do not proceed until unsatisfactory conditions are corrected.

### **3.02 PREPARATION**

- A. Prior to installation adjust and securely brace frames for squareness, alignment, twist, and plumb to the following tolerances:
  - 1. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
  - 2. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
  - 3. Twist: Plus or minus 1/16", measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
  - 4. Plumbness: Plus or minus 1/16 inch, measured at jamb face on a perpendicular line from head to floor.
- B. Drill and tap doors and frames to receive non-templated mortised and surface mounted hardware.

### **3.03 INSTALLATION**

- A. General: Install steel frames plumb, rigid, properly aligned, and securely fastened in place; comply with Drawings and manufacturer's written instructions.
  - 1. Frames: Install frame of size and profile indicated. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set.
    - a) Remove temporary braces necessary for installation only after frames have been properly set and secured.

- b) Check plumb, squareness, and twist of frames as walls are constructed. Adjust as necessary to comply with installation tolerances.
  - 2. Installation Tolerances: Adjust door frames for squareness, alignment, twist, and plumb to the following tolerances:
    - a) Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
    - b) Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
    - c) Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
    - d) Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.
- B. Doors: Fit non-fire-rated doors accurately in frames with the following clearances:
  - 1. Jambs and Head: 1/8 inch plus or minus 1/16 inch.
  - 2. Between Bottom of Door and Top of Threshold: Maximum 3/8 inch.
  - 3. Between Bottom of Door and Top of Finish Floor (No Threshold): Maximum 3/4 inch.

### **3.04 ADJUSTING AND CLEANING**

- A. Final Adjustments:
  - 1. Remove and replace defective work including frames that are warped, bowed, or otherwise unacceptable.
- B. Clean foreign materials off steel frames immediately after installation.

### **3.05 FINAL INSPECTION**

- A. Upon completion of the project, the Director's representative will schedule a final inspection to verify doors and frames are properly installed and adjusted. The contractor, frame installer, and design representative will attend.
- B. Upon verification, the design representative will certify in writing components are properly installed and adjusted within referenced tolerances in accordance with this specification. Include this certification in the Close-out Submittals.

**END OF SECTION**

CEH

## SECTION 123216

### PLASTIC LAMINATE CLAD CASEWORK

#### PART 1 GENERAL

##### 1.01 SUMMARY

- A. Section Includes:
  - 1. Plastic-laminate-faced wood cabinets of stock design.
  - 2. Plastic-laminate countertops.

##### 1.02 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Samples: For cabinet finishes and for each type of top material indicated.

##### 1.03 QUALITY ASSURANCE

- A. Quality Standard: Unless otherwise indicated, comply with requirements for modular cabinets in AWI's "Architectural Woodwork Quality Standards."
  - 1. Provide AWI Quality Certification Program certificate indicating that manufactured wood casework complies with requirements.

##### 1.04 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of manufactured wood casework that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Delamination of components or other failures of glue bond.
    - b. Warping of components.
    - c. Failure of operating hardware.
    - d. Deterioration of finishes.
  - 2. Warranty Period: Five years from date of Substantial Completion.

## **1.05 FIELD CONDITIONS**

- A. Field Measurements: Where countertops are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- B. Established Dimensions: Where countertops are indicated to fit to other construction, establish dimensions for areas where countertops are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide product by one of the following:
  - 1. Plastic-Laminate-Faced Manufactured Casework:
    - a. Architectural Cabinet Systems; a division of Windham Millwork, Inc.
    - b. Case Systems Inc.
    - c. Fisher Hamilton L.L.C.
    - d. Goelst USA, LLC.
    - e. Hausmann Industries, Inc.
    - f. International Office Products Cooperative.
    - g. Mott Manufacturing.
    - h. Stevens Industries, Inc.
    - i. Techline USA, LLC.
    - j. Terrill Manufacturing Company.

### **2.02 MATERIALS, GENERAL**

- A. Softwood Plywood: DOC PS 1.
- B. Particleboard: ANSI A208.1, Grade M-2.
- C. Hardboard: AHA A135.4, Class 1 Tempered.
- D. Plastic Laminate: High-pressure decorative laminate complying with NEMA LD 3.
- E. Edgbanding for Plastic Laminate: Rigid PVC extrusions, through color with satin finish, 3 mm thick at doors and drawer fronts, 1 mm thick elsewhere.

## **2.03 CABINET MATERIALS**

### **A. Exposed Cabinet Materials:**

1. Plastic Laminate: Grade HGL.

### **B. Semiexposed Cabinet Materials:**

1. Plastic Laminate: Grade VGS.
  - a. Provide plastic laminate for semiexposed surfaces unless otherwise indicated.
  - b. Provide plastic laminate for interior faces of doors and drawer fronts.

## **2.04 DESIGN, COLOR, AND FINISH**

A. Plastic-Laminate Colors, Patterns, and Finishes: As selected by Architect from plastic-laminate manufacturer's full range.

B. PVC Edgebanding Color: As selected from casework manufacturer's full range.

## **2.05 CASEWORK HARDWARE**

A. Hardware, General: Unless otherwise indicated, provide manufacturer's standard satin-finish, commercial-quality, heavy-duty hardware.

1. Use threaded metal or plastic inserts with machine screws for fastening to particleboard except where hardware is through-bolted from back side.

B. Frameless Concealed Hinges (European Type): BHMA A156.9, Type B01602, self-closing.

C. Pulls: Solid stainless-steel wire pulls.

D. Door Catches: Nylon-roller spring catch or dual, self-aligning, permanent magnet catch.

E. Drawer Slides: BHMA A156.9, Type B05091.

1. Box Drawer Slides: Grade 1HD-100.
2. File Drawer Slides: Grade 1HD-100.
3. Pencil Drawer Slides: Grade 1.

F. Drawer and Hinged Door Locks: Cylindrical (cam) type, 5-pin tumbler, complying with BHMA A156.11, Grade 1.

## **2.06 COUNTERTOPS**

A. Countertops, General: Provide smooth, clean exposed tops and edges in uniform plane free of defects. Provide vertical front and end overhang of 1 inch (25 mm) over base cabinets.

- B. Plastic-Laminate Tops: Plastic-laminate sheet, bonded to 1-1/8-inch (29-mm) exterior grade plywood
  - 1. Plastic Laminate for Flat Tops and Edge Treatment: Grade HGL.
- C. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
  - 1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.

## **PART 3- EXECUTION**

### **3.01 CASEWORK INSTALLATION**

- A. Install level, plumb, and true; shim as required, using concealed shims. Where manufactured wood casework abuts other finished work, apply filler strips and scribe for accurate fit, with fasteners concealed where practical.
- B. Base Cabinets: Set cabinets straight, level, and plumb. Adjust subtops within 1/16 inch of a single plane. Fasten cabinets to masonry or framing, wood blocking, or reinforcements in walls and partitions with fasteners spaced 24 inches on center. Bolt adjacent cabinets together with joints flush, tight, and uniform. Align similar adjoining doors and drawers to a tolerance of 1/16 inch.
- C. Adjust casework and hardware so doors and drawers operate smoothly without warp or bind. Lubricate operating hardware as recommended by manufacturer.

### **3.02 INSTALLATION OF TOPS**

- A. Field Jointing: Where possible make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.
  - 1. Secure field joints in plastic-laminate countertops with concealed clamping devices located within 6 inches of front and back edges and at intervals not exceeding 24 inches. Tighten according to manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.
- B. Field Jointing: Where possible, make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.

1. Secure field joints in plastic-laminate countertops with concealed clamping devices located within 6 inches of front and back edges and at intervals not exceeding 24 inches. Tighten according to manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.
- C. Secure tops to cabinets with Z- or L-type fasteners or equivalent, using two or more fasteners at each front, end, and back.
- D. Seal junctures of tops and walls with mildew-resistant silicone sealant or another permanently elastic sealing compound recommended by countertop material manufacturer.

### **3.03 CLEANING AND PROTECTING**

- A. Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish, as approved by Architect.
- B. Protection: Provide 6-mil plastic or other suitable water-resistant covering over countertop surfaces. Tape to underside of countertop at a minimum of 48 inches on center. Remove protection at Substantial Completion.

**END OF SECTION**

## SECTION 281301

### SECURITY CONTROL AND MONITORING SYSTEM

#### PART 1 - GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Section Includes:
  - 1. Security access control components replacing some existing access control components. Includes Gate Access Control Panel, Relays, wiring, LEDs and Key Switches.
  
- B. Related Sections:
  - 1. Section 282304 – Indoor and Outdoor Video Surveillance CCTV System
  - 2. Section 323115 - Sliding Gate Operator

##### 1.02 REFERENCES (Most Current Editions of the Following)

- A. NFPA 70 (National Fire Protection Association) - National Electrical Code
  
- B. NFPA (National Fire Protection Association) 262 – Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces
  
- C. IEEE (Institute of Electrical and Electronics Engineers) C62.41 – Recommended Practice for Surge Voltages in Low-Voltage AC Power Circuits
  
- D. FM (Factory Mutual) Global – Class 4991 – FM Approval Standard of Firestop Contractors
  
- E. FCIA (Firestop Contractors International Association) – Manual of Practice
  
- F. UL (Underwriters Laboratories, Inc.) 294 – Standard for Access Control System Units
  
- G. UL (Underwriters Laboratories, Inc.) 305 – Standard for Panic Hardware
  
- H. UL Qualified Contractor Program for Firestop Systems and Spray-Applied Fire Resistive Materials (SFRM's)

##### 1.03 PROJECT SCOPE

- A. Provide all of the access control equipment called out in this specification and shown on the project drawings. This project consists of but is not limited to the install and setup of all the necessary controllers, electric strikes, sliding gate operators, relays, network wiring, and human interface devices. Gate Access control system is a non-typical access control system meaning that the system is completely comprised of hard wired relays, electric strikes and push buttons to

operate the opening and closing of all gates. Communication with the Central Service Unit (CSU) is done by intercoms at each location.

#### **1.04 SUBMITTALS**

- A. Security Vendor to submit proof of state licensure for installation of Security Systems.
- B. Security Vendor to submit proof of installer certification for all equipment to be installed on project.
- C. Shop Drawings:
  - 1. Diagrams for cable management system.
  - 2. System labeling schedules.
  - 3. Detailed wiring diagrams, to include a detailed non-typical system one-line along with detailed device wiring.
  - 4. Cable administration drawings.
  - 5. Battery and charger calculations for central station, workstations, and controllers.
  - 6. Floor Plan drawings indicating all field device locations including unique architectural numbers or labels
  - 7. Door Schedule
  - 8. Project specific, typical, field device wiring diagrams
  - 9. Termination Schedules
  - 10. Equipment Room enclosures, equipment layout information
  - 11. System Load Calculations
  - 12. Individual Equipment wiring details

#### **1.05 GENERAL DESCRIPTION:**

- A. The Gate Access System is a hard wired door control system.
- B. The Security Control and Monitoring System interfaces directly with the following systems:
  - 1. Closed Circuit Television System (282304)

#### **1.06 SYSTEM PERFORMANCE:**

- A. The systems shall be configured to affect the following system performance criteria:
  - 1. CONTROL: Outputs to field devices such as door locks shall activate within 250 milliseconds of the discrete control switch activation.
  - 2. ANNUNCIATION: Inputs from field devices such as alarms or intercom calls shall annunciate at the master station or control panel within 250 milliseconds or the device being activated.
  - 3. SYSTEM FAULTS: System faults, crashes, reset or reboots shall not be capable of activating field outputs such as door locks.

## **PART 2 - PRODUCTS**

### **2.01 CONTROL PANEL PARTS**

- A. Momentary Push Button
  - 1. Double Pull Single Throw Momentary normally open push button actuator, 22mm, projecting button
  - 2. DPST contact block required
  - 3. Actuator Specified: McMaster-Carr 9029K12
  - 4. Contact Block Specified: McMaster Carr 9209K146
  - 5. Acceptable: Submit per Specifications
  
- B. Momentary Lever Control Switch
  - 1. Double Pull Single Throw momentary, normally closed lever switch, McMaster Carr 9209K521 with 9209K137 Contact Block
  
- C. Key Switch
  - 1. Single Pull Single Throw key switch
  - 2. Specified: McMaster-Carr 9209K63
  - 3. Contact Block: McMaster-Carr SPST- NO -9209K127
  - 4. Acceptable: Submit per Specifications
  
- D. Relays
  - 1. Compact Spade-Terminal Relays
  - 2. Specified Relays: McMaster-Carr 69585K66
  - 3. Specified Sockets: McMaster-Carr 69585K1
  - 4. Acceptable: Submit per Specifications
  
- E. LEDs
  - 1. Panel Cutout indicating lights
  - 2. Specified: McMaster-Carr 5453T12
  - 4. Acceptable: Submit per Specifications

- F. Nameplates: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inch high, engraved with door/gate number.
  - 1. Phenolic: Two color laminated engravers' stock, 1/16 inch minimum thickness, machine engraved to expose inner core color (white).
  - 2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.
  - 3. Self-Adhesive.
  
- G. Control Console:
  - 1. Control console shall be suitable for connection to 15 ampere, 4 wire 120v, 60Hz circuit.
  - 2. Enclosure: Hoffman Engineering Co.'s Style PBA sloping front, to be sized according to the number of switches and LED's to accommodate.

## **2.02 REQUIRED SPARE PARTS:**

- A. Two push buttons of each type
- B. Two LEDs
- C. One Relay
- D. One Keyswitch
- E. One lever switch
- F. Two contacts of each type
- G. One of each type of power supply used

## **PART 3 -EXECUTION**

### **3.01 EXECUTION**

- A. All components/equipment shall be fabricated into racks conforming to the UL 508A standard. (Enclosure and all internal equipment and wiring as a single entity)
- B. Prior to the installation of Security Control equipment:
  - 1. Verify that all construction activities within the Control & Equipment rooms are complete. Rooms should be temperature / humidity controlled, dust free, and secure. Do not install equipment until these conditions are met.
  - 2. When conditions dictate storing equipment prior to installation, the temporary storage location should meet the requirements of item 1. (Above)
  - 3. Verify that the permanent, surge protected, power source is available for connection to the equipment.

- C. Configure equipment with modules as required for the system to support the specific functions or applications.
- D. Provide equipment enclosures for installation of the control equipment and cable terminations to the equipment.
- E. Install all equipment in accordance with manufacturer's recommendations.
- F. Contractor shall ensure that cabinets are adequately ventilated for console mounted equipment and provide exhaust fans in each console section if required.

### **3.02 COMPLETION**

- A. Contractor shall inspect and test the installation and operations of the entire system prior to initiating acceptance tests.

**END OF SECTION 281300**

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CONTRACT: **CONSTRUCTION**

TITLE: SECURITY IMPROVEMENTS DESIGN  
BROOKWOOD SECURE CENTER

LOCATION: 419 SPOOK ROCK ROAD  
P.O. BOX 265  
CLAVERACK, NY 12534

CLIENT: OFFICE OF CHILDREN  
AND FAMILY SERVICES

OCFS PROJECT NO. - CFS2199

MARK	DATE	DESCRIPTION
	2/13/2013	ADDENDUM 1
	10/30/2012	BID DOCUMENTS

PROJECT NUMBER: **43957 - C**

DESIGNED BY: J.S.SCHUMAKER

DRAWN BY: M.J. MEANEY

FIELD CHECK: R.S.SLADE

APPROVED:

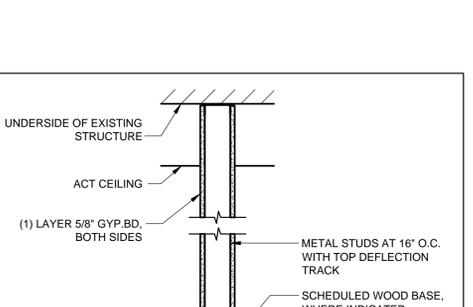
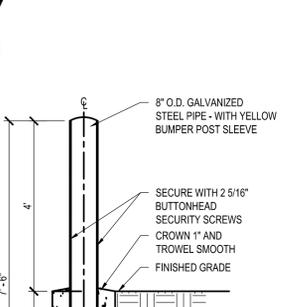
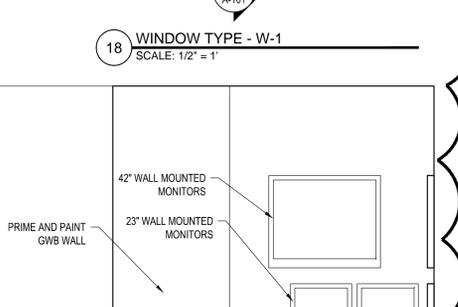
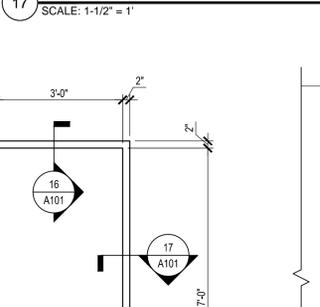
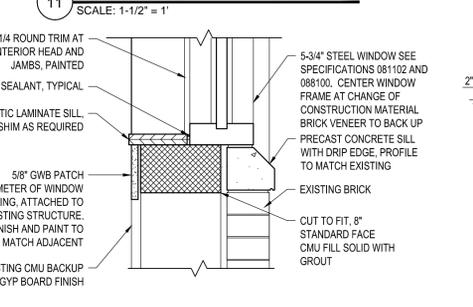
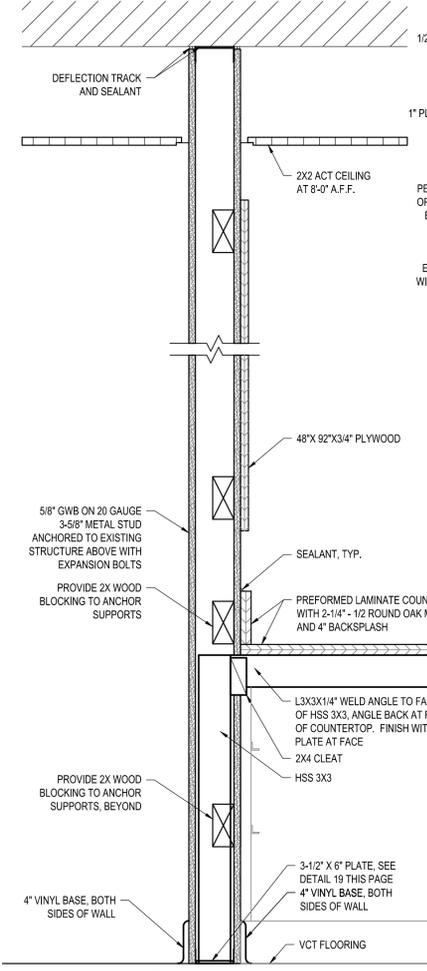
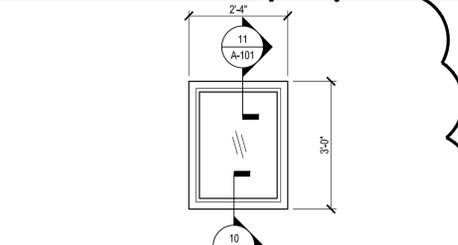
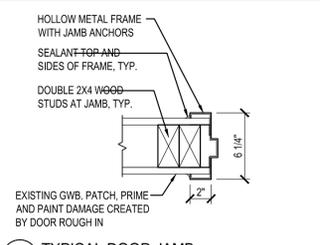
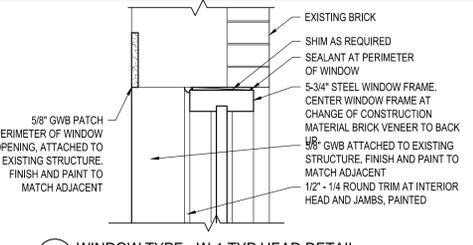
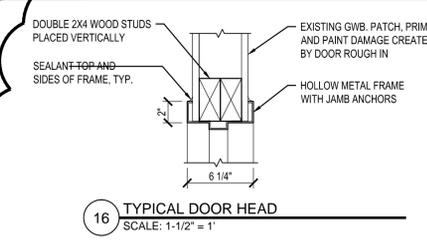
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FLOOR PLAN**

DRAWING NUMBER:  
**A-101**

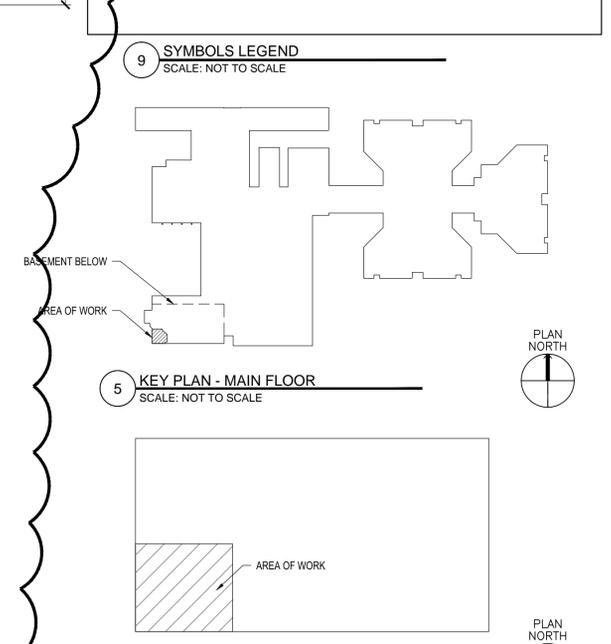
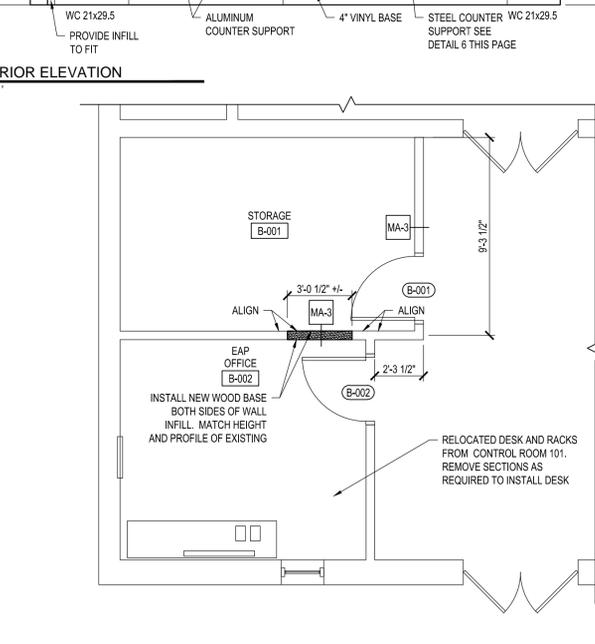
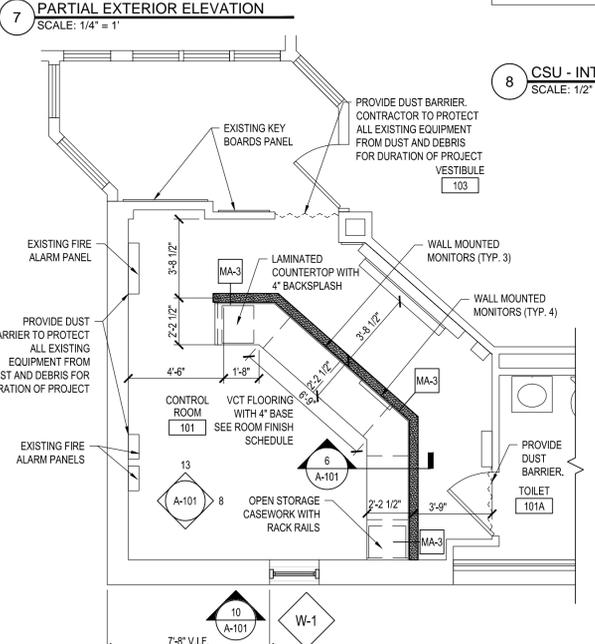
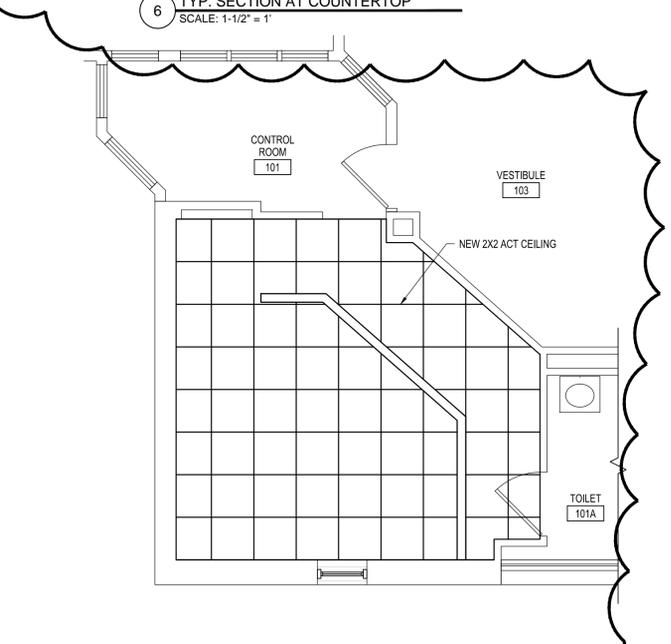
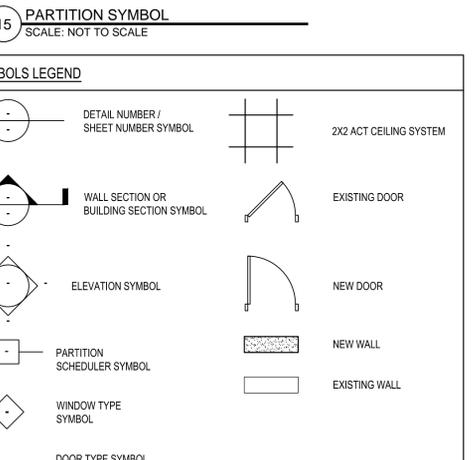
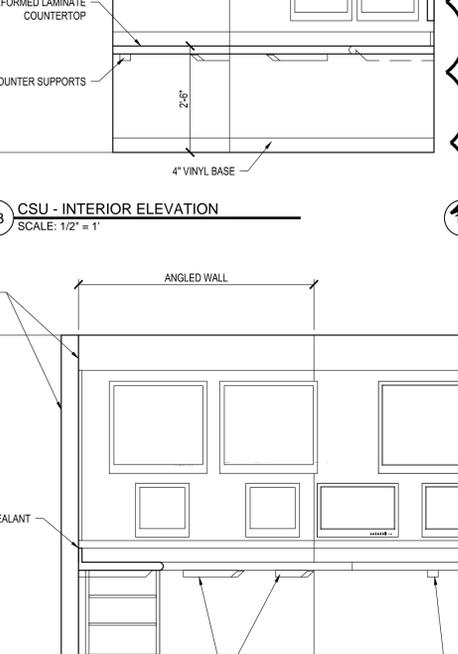
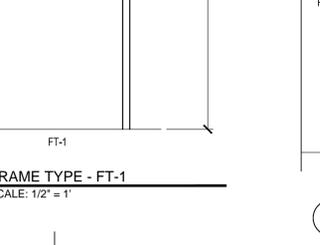
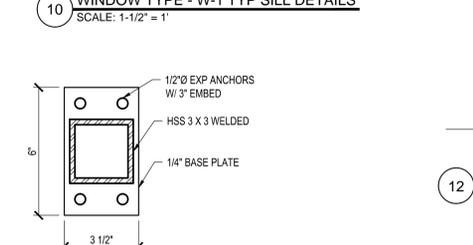
SHEET 3 OF 17

DOOR NO.	ROOM NO.	DOOR							FRAME			FIRE RATING	REMARKS
		TYPE	W	H	TH	MAT	FIN	HW SET	TYPE	MAT	FIN		
B-001	B-001	SF	3'-0"	7'-0"	1.34"	HM	PNT	HW-1	HM	PNT		--	--
B-002	B-002	SF	3'-0"	7'-0"	1.34"	HM	PNT	HW-1	HM	PNT		--	--

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS (SUBSTRATE/FINISH)				CEILING		NOTES
				NORTH	SOUTH	EAST	WEST	SUBSTRATE/FINISH	HEIGHT	
101	CONTROL ROOM	VCT	VB	PNT	PNT	PNT	PNT	EXTRACT	7'-10"	--



MA-	TYPE	MATERIAL	DEPTH	STUD	FIRE RATING	UNBRACED HEIGHT	DESCRIPTION
MA-3	GYP.BD.		4-7/8"	3-5/8"			1 HR RATING - UL DESIGN U465 (WHERE INDICATED)



1 ENLARGED REFLECTED CEILING PLAN - CSU SCALE: 1/4" = 1"

2 ENLARGED PLAN - CSU SCALE: 1/4" = 1"

3 ENLARGED PARTIAL PLAN - BASEMENT SCALE: 1/4" = 1"

4 KEY PLAN - BASEMENT SCALE: NOT TO SCALE

CONSULTANT



C&S Engineers, Inc.  
499 Col. Eileen Collins Blvd.  
Syracuse, New York 13212  
Phone: 315-455-2000  
Fax: 315-455-9667  
www.cscos.com

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CONTRACT:

**CONSTRUCTION**

TITLE:  
SECURITY IMPROVEMENTS DESIGN  
BROOKWOOD SECURE CENTER

LOCATION:  
419 SPOOK ROCK ROAD  
P.O. BOX 265  
CLAVERRACK, NY 12534

CLIENT:  
OFFICE OF CHILDREN  
AND FAMILY SERVICES

OCFS PROJECT NO. - CFS2199


2/13/2013 ADDENDUM 1

10/30/2012 BID DOCUMENTS

MARK DATE DESCRIPTION

PROJECT NUMBER: **43957 - C**

DESIGNED BY: J.S. SCHUMAKER

DRAWN BY: M.J. MEANEY

FIELD CHECK: R.S. SLADE

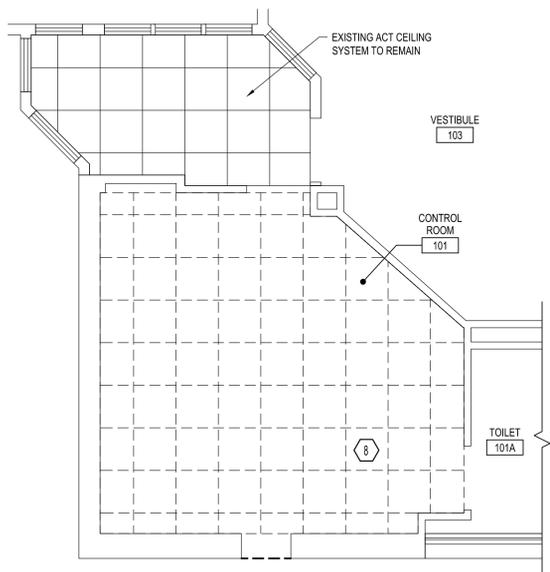
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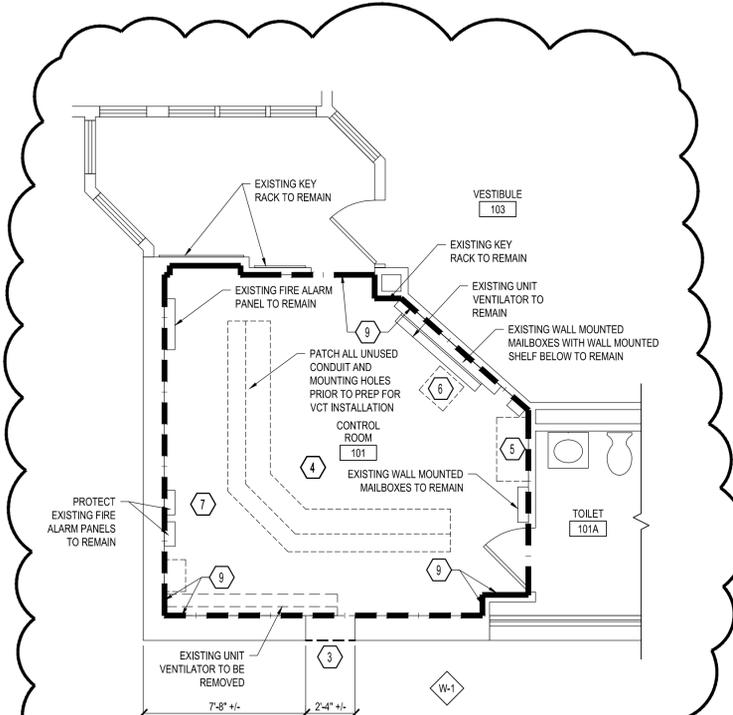
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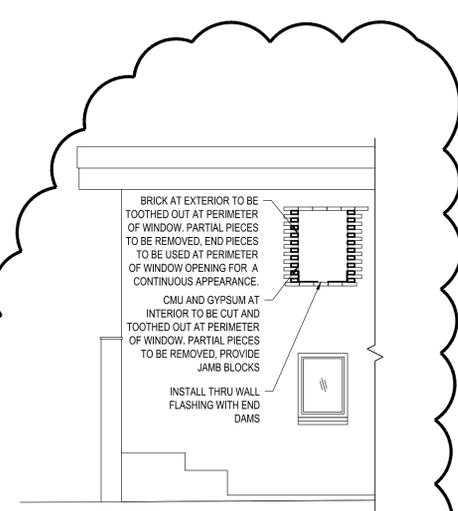
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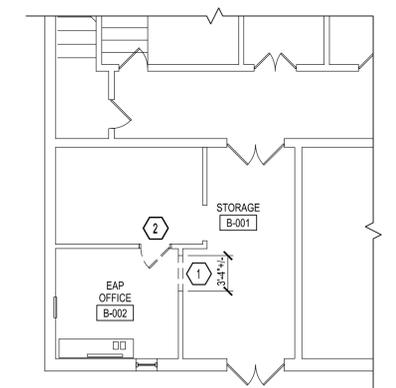
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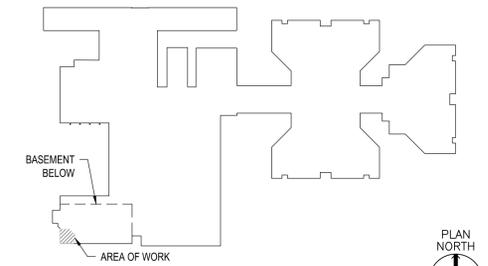
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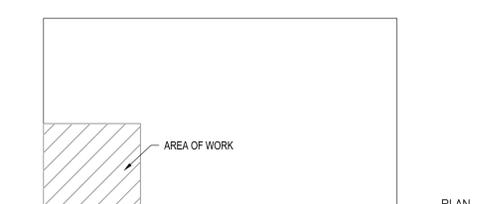
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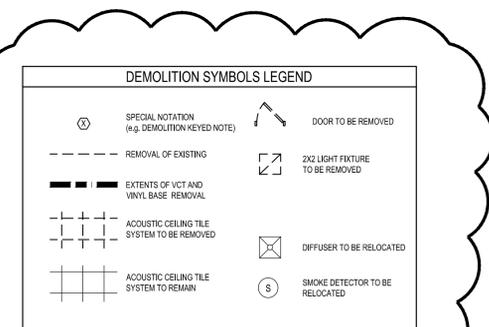
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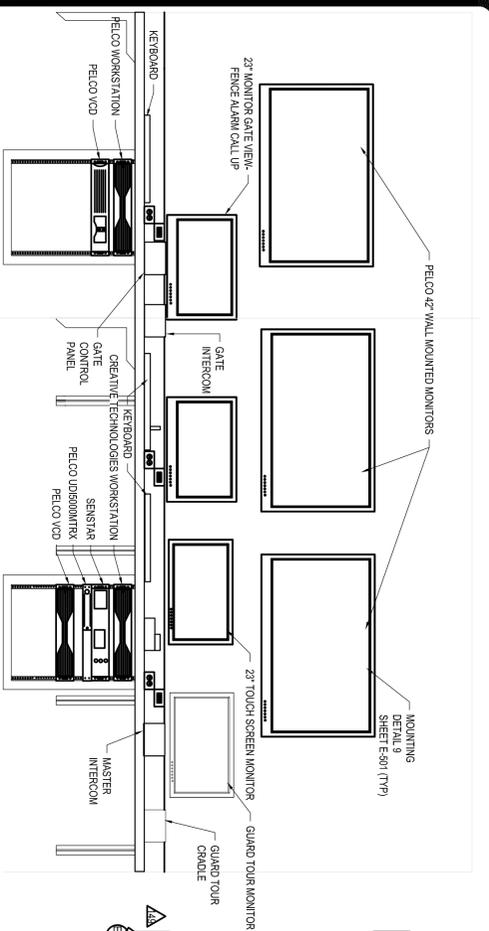
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SCALE: N.T.S.



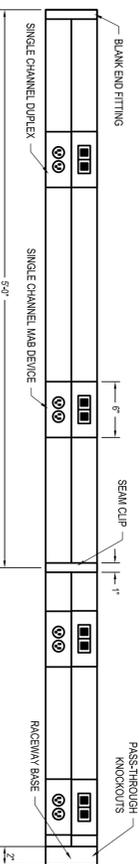
4 KEY PLAN - BASEMENT  
SCALE: N.T.S.



- DEMOLITION KEYED NOTES**
- CUT AND REMOVE EXISTING 2X4 GWB WALL, 4" WOOD BASE AND 6" WOOD CHAIR RAIL TO THE EXTENTS SHOWN ON FLOOR PLANS AND AS NECESSARY TO INSTALL NEW DOOR
  - REMOVE WOOD DOOR, WOOD FRAME, CASING AND HARDWARE
  - REMOVE EXISTING BRICK, CMU, STUD AND GWB WALL TO THE EXTENTS NECESSARY TO INSTALL NEW WINDOW AND SILL. ALIGN OPENING WITH WINDOW BELOW, SEE 6. ELEVATION THIS PAGE
  - REMOVE, SALVAGE AND RELOCATE EXISTING EQUIPMENT AS NEEDED FOR TEMP CSU TO ROOM B-002 IN BASEMENT
  - 18X48 METAL STORAGE CABINET TO BE REMOVED BY FACILITY
  - DORM SIZE REFRIGERATOR TO BE REMOVED BY FACILITY
  - 12X18 LOCKER TO BE REMOVED BY FACILITY
  - REMOVE 2X4 ACOUSTIC CEILING AND SUPPORT SYSTEM, RETAIN LIGHTS AND SMOKE DETECTORS FOR REUSE
  - REMOVE EXISTING VCT FLOORING AND VINYL BASE. PREPARE EXISTING CONCRETE SLAB TO RECEIVE NEW FLOORING

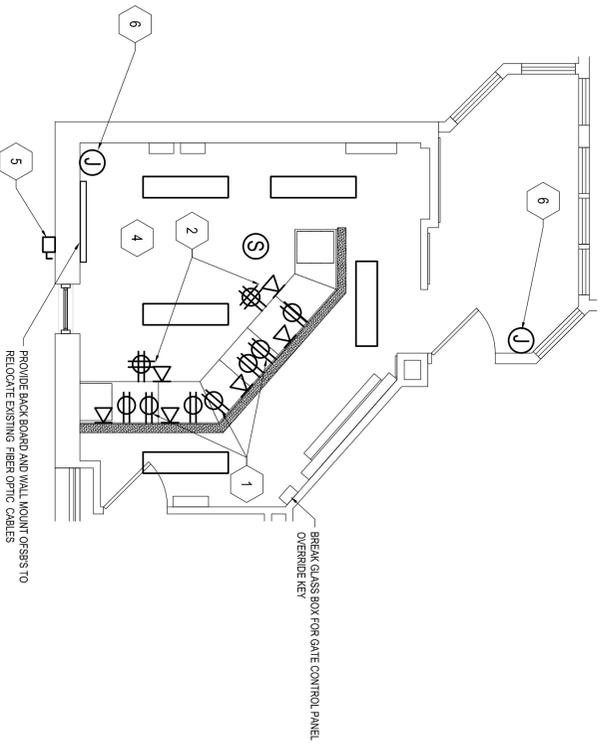


4 CSU GUARD STATION  
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5 DIVIDED POWER/COMMUNICATIONS SURFACE RACEWAY  
SCALE: NOT TO SCALE

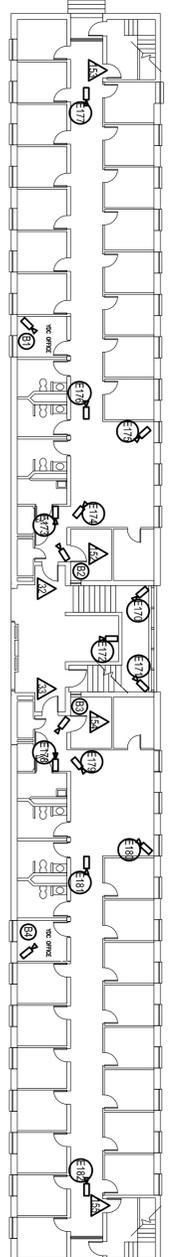
3 CSU PLAN  
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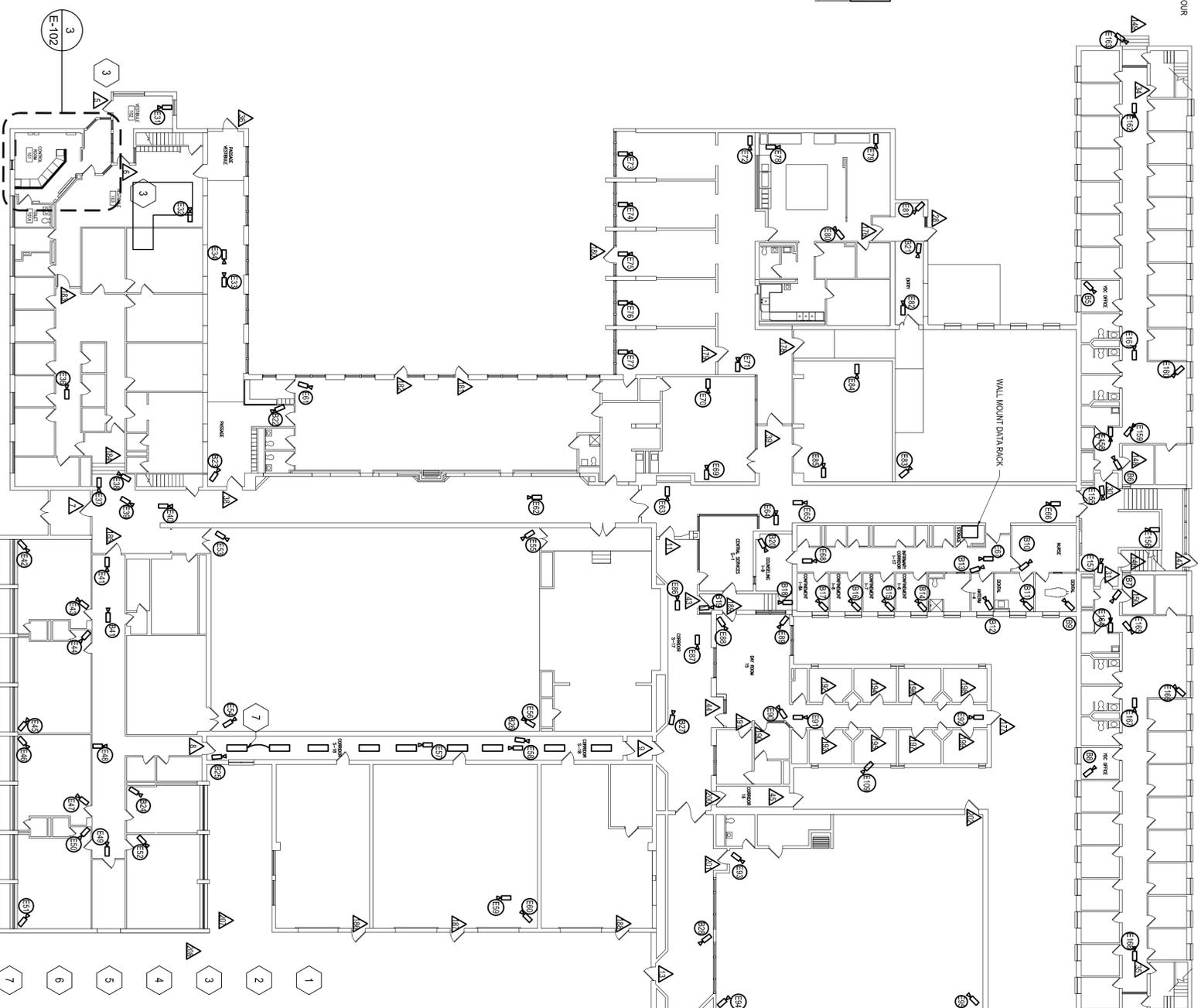
6 KEY PLAN - MAIN FLOOR AND BASEMENT  
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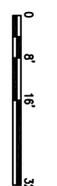
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SCALE: 1/16\"/>



1 PARTIAL FIRST FLOOR PLAN  
SCALE: 1/16\"/>



1 PARTIAL FIRST FLOOR PLAN  
SCALE: 1/16\"/>



6 KEYED NOTES  
SCALE: NOT TO SCALE

- 1 PROVIDE RECESSED DIVIDED BOX FOR WALL MOUNTED MONITORS. PROVIDE (1) 120V/20A OUTLET FED FROM PFI AND (1) JACK AND AV CABLE PATHWAY TO BELOW DESKTOP FOR VIDEO CABINET. REFER TO DETAIL 3, SHEET E-103.
- 2 PROVIDE (1) 120V/20A QUAD OUTLET TO EACH RACK CABINET BELOW COUNTER FEED FROM POWER PANEL PFI. PROVIDE (4) FOUR PORT DATA REFER TO DETAIL 3, SHEET E-103.
- 3 DOORS 5 AND 6 WIRING LOCKS AND CONTROLS EXISTING TO BEHIND.
- 4 REMOVE ALL LIGHTS AND SMOKE DETECTORS IN NEW CEILING.
- 5 PROVIDE NEMA 3R DISCONNECT FOR HVAC COMPENSING UNIT. PROVIDE 20A 1410 GND IN 3/4\"/>

OCS PROJECT NO. - CFS2199

MARK	DATE	DESCRIPTION
	2/13/2013	ADDENDUM 1
	10/30/2012	BID DOCUMENTS

PROJECT NUMBER: **43957 - E**  
 DESIGNED BY: W.R. BARLEY  
 DRAWN BY: D.W. BARLEY  
 FIELD CHECK: T.L. HEATH

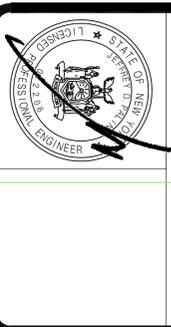
APPROVED: \_\_\_\_\_  
 SHEET TITLE:  
**REVISED 2/13/2013**  
**PARTIAL FLOOR**  
**PLAN**

DRAWING NUMBER: **E-102**  
 SHEET 9 OF 17

**OCS**  
 NYS OFFICE OF GENERAL SERVICES  
*Serving New York*  
 ANDREW M. CLOMO  
 Governor  
 ROYANN M. DESTITO  
 Commissioner

**C&S Engineers, Inc.**  
 499 Col. Eileen Collins Blvd.  
 Syracuse, New York 13212  
 Phone: 315-452-2000  
 Fax: 315-452-8801  
 www.cses.com

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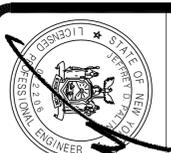


**ELECTRICAL**  
 TITLE: SECURITY IMPROVEMENTS DESIGN  
 BROOKWOOD SECURE CENTER

LOCATION: 419 SPOOK ROCK ROAD  
 P.O. BOX 265  
 CLAYTON, NY 12534

CLIENT: OFFICE OF CHILDREN AND FAMILY SERVICES

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**CONTRACT:**  
**ELECTRICAL**

**TITLE:**  
SECURITY IMPROVEMENTS DESIGN  
BROOKWOOD SECURE CENTER

**LOCATION:**  
419 SPOOK ROCK ROAD  
P.O. BOX 265  
CLAWVERACK, NY 12534

**CLIENT:**  
OFFICE OF CHILDREN  
AND FAMILY SERVICES

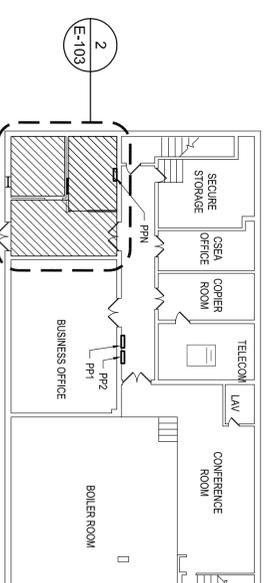
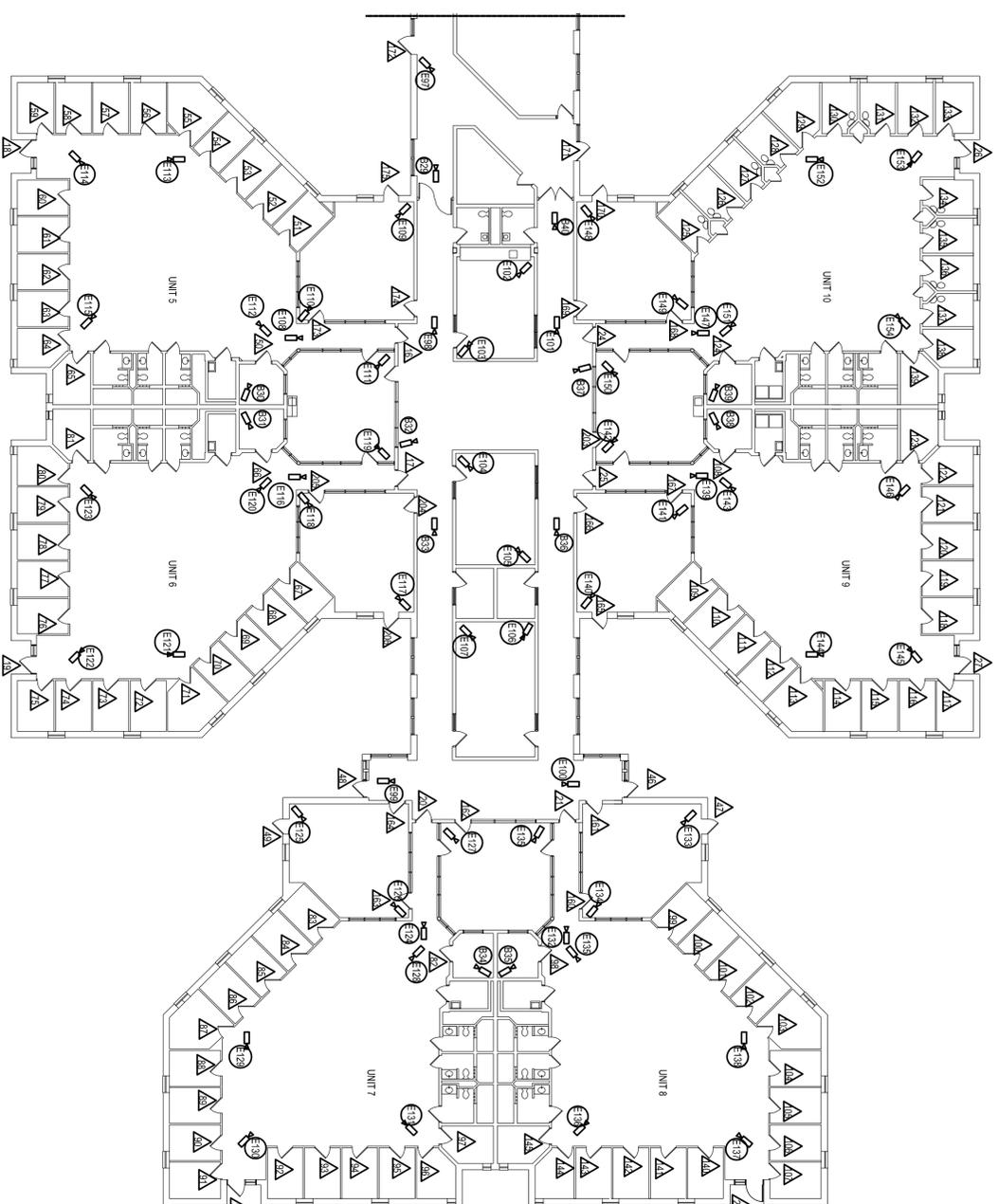
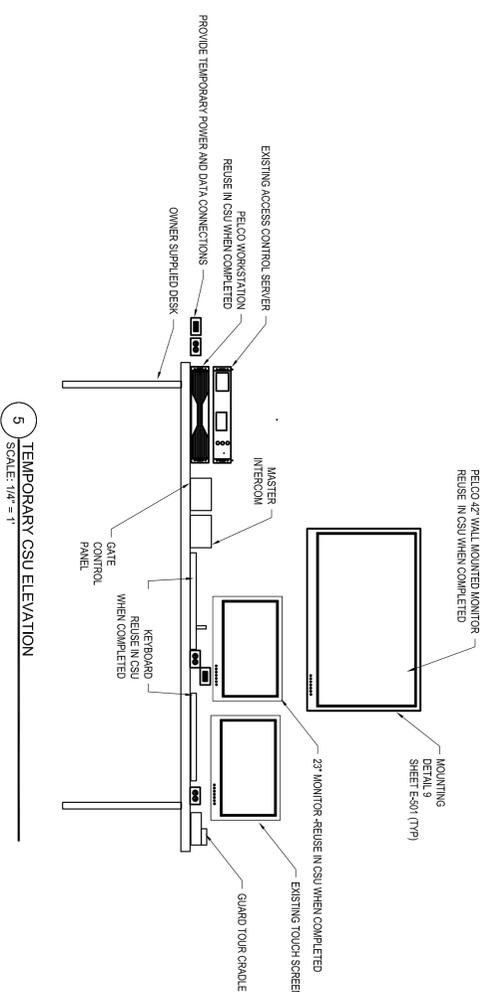
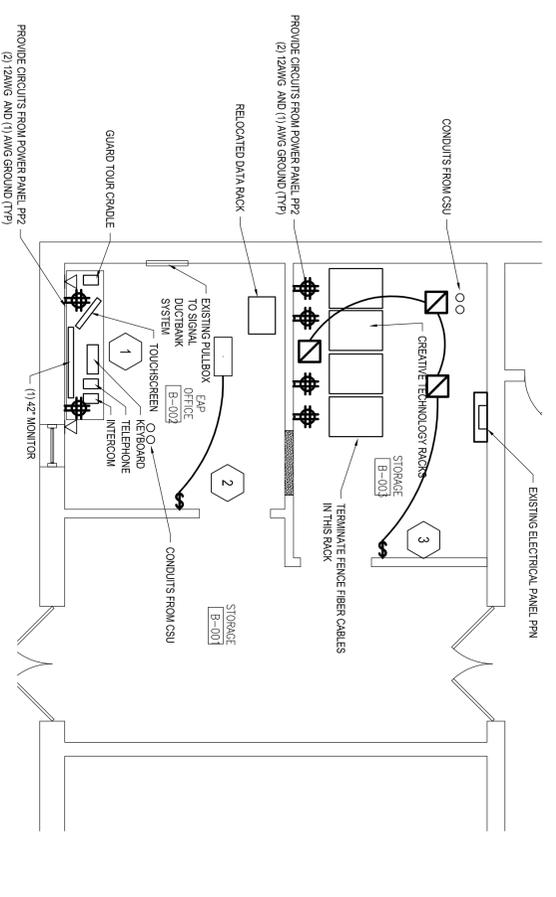
OCS PROJECT NO. - CFS2199

MARK	DATE	DESCRIPTION
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	10/30/2012	BID DOCUMENTS
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<b>DESIGNED BY:</b>	W.R. BARLEY	
<b>DRAWN BY:</b>	D.W. BARLEY	
<b>FIELD CHECK:</b>	T.L. HEATH	
<b>APPROVED:</b>		
<b>SHEET TITLE:</b>		

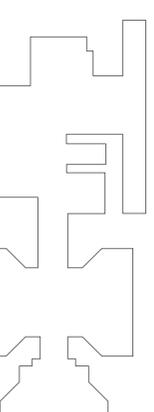
REVISED 2/13/2013  
PARTIAL FLOOR  
PLAN

DRAWING NUMBER:  
**E-103**

SHEET 10 OF 17



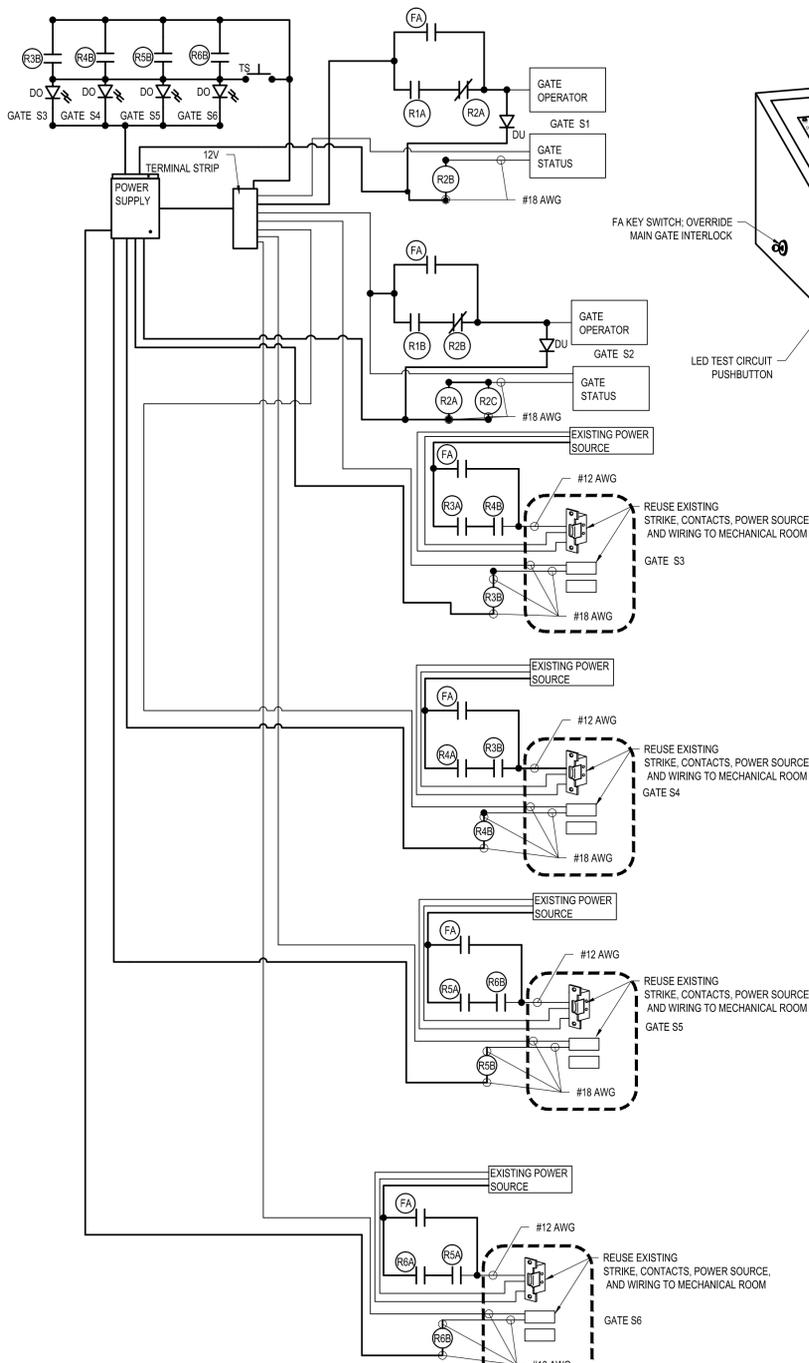
- TEMPORARY CSU - MOVE VIDEO MONITORING EQUIPMENT AND DOOR ACCESS EQUIPMENT TO THIS ROOM. UTILIZE EXISTING CONDUITS PENETRATING CSU FLOOR. TRY TO MOVE AND SETUP EQUIPMENT. CONTRACTOR TO PROVIDE AND EXTEND CABLING AND WIRING AND PROVIDE POWER. UTILIZE ONE 42" MONITOR AND WALL MOUNT BRACKET. ONE DESK MOUNT 27" MONITOR AND ONE WORKSTATION AND ANY OTHER PARTS AND EQUIPMENT. BE SURE TO PROVIDE CSU IN THE CORNER OF THE ROOM. BE SURE TO PROVIDE ENOUGH HANGOVER SO CSU IS NOT DOWN MORE THAN 18 INCHES. LIGHTING IN TEMPORARY CSU TO BE DISCONNECTED FROM EXISTING CIRCUIT. A NEW CIRCUIT SHALL BE RUN FROM PANEL PPM AND A LIGHT SWITCH SHALL BE ADDED AT LOCATION SHOWN.
- NEW LIGHTING FOR STORAGE RACKS TO BE INSTALLED. POWER TO BE SUPPLIED FROM PANEL PPM AND LIGHT SWITCH FOR LIGHTS TO BE INSTALLED AS SHOWN. COORDINATE EXACT LOCATION OF NEW LIGHT FIXTURES IN THE FIELD WITH INSTALLATION OF NEW DATA RACKS.
- NEW LIGHTING FOR STORAGE RACKS TO BE INSTALLED. POWER TO BE SUPPLIED FROM PANEL PPM AND LIGHT SWITCH FOR LIGHTS TO BE INSTALLED AS SHOWN. COORDINATE EXACT LOCATION OF NEW LIGHT FIXTURES IN THE FIELD WITH INSTALLATION OF NEW DATA RACKS.
- KEYED NOTES  
SCALE: NOT TO SCALE



**6 KEY PLAN - MAIN FLOOR AND BASEMENT**  
SCALE: NOT TO SCALE

0' 8' 16' 32'



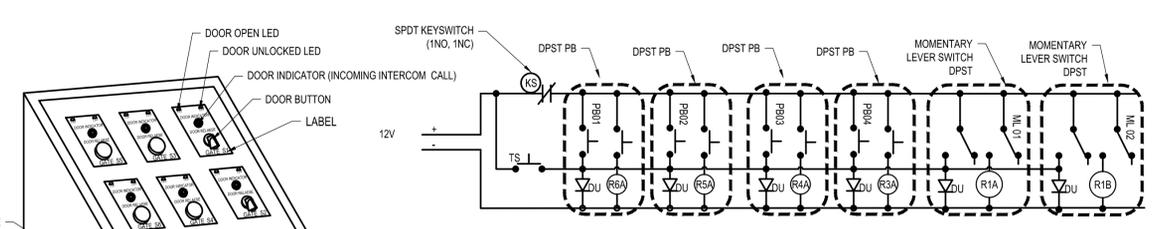


2 GATE ACCESS ONE LINE  
SCALE: NOT TO SCALE

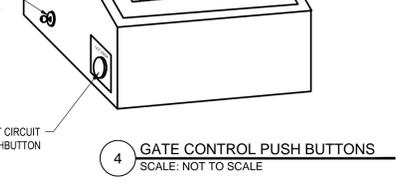
SYMBOLS AND ABBREVIATIONS FOR THIS SHEET ONLY:

- KS: KEY SWITCH
- FA: FIRE ALARM SWITCH
- RX: RELAY
- GS: GATE STATUS
- IC: INTERCOM
- NO: NORMALLY OPEN
- NC: NORMALLY CLOSED
- DPST: DOUBLE PULL, SINGLE THROW
- SPST: SINGLE PULL, SINGLE THROW
- PB: PUSHBUTTON
- DO: NORMALLY OPEN PUSHBUTTON
- DU: NORMALLY CLOSED PUSHBUTTON
- DU: DOOR OPENED LED
- DU: DOOR UNLOCKED LED
- IC: INTERCOM LED
- NO: NORMALLY OPEN CONTACT
- NC: NORMALLY CLOSED CONTACT
- RELAY
- LED TEST SWITCH

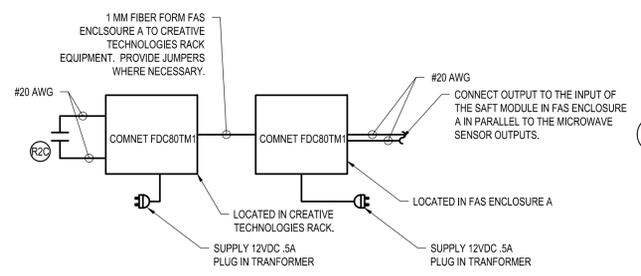
- GATE GENERAL NOTES:
- ALL ELECTROMECHANICAL LOCKS SHALL HAVE A SPST PUSH BUTTON ASSOCIATED WITH UNLOCKING THE GATES.
  - AN LED WILL LIGHT UP IF:
    - A DOOR IS OPENED (1 LED)
    - A DOOR IS UNLOCKED (1 LED)
    - AN INCOMING CALL FROM AN INTERCOM (1 LED)
    - THE TEST LED PUSH BUTTON (ALL LEDES)
  - WHEN THE KEY SWITCH IS UTILIZED, THE DOOR CONTROL CONSOLE WILL BE LOCKED DOWN AND UNUSABLE WITHOUT COMPROMISING THE LOCKING INTEGRITY (I.E. STRIKES AND MAGLOCKS SHALL REMAIN LOCKED WHEN CONTROL CONSOLE IS LOCKED DOWN).



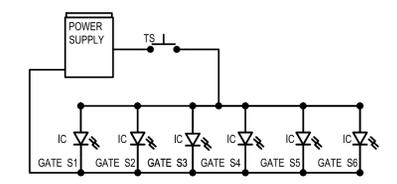
3 GATE COMMAND SWITCH PANEL ONE LINE  
SCALE: NOT TO SCALE



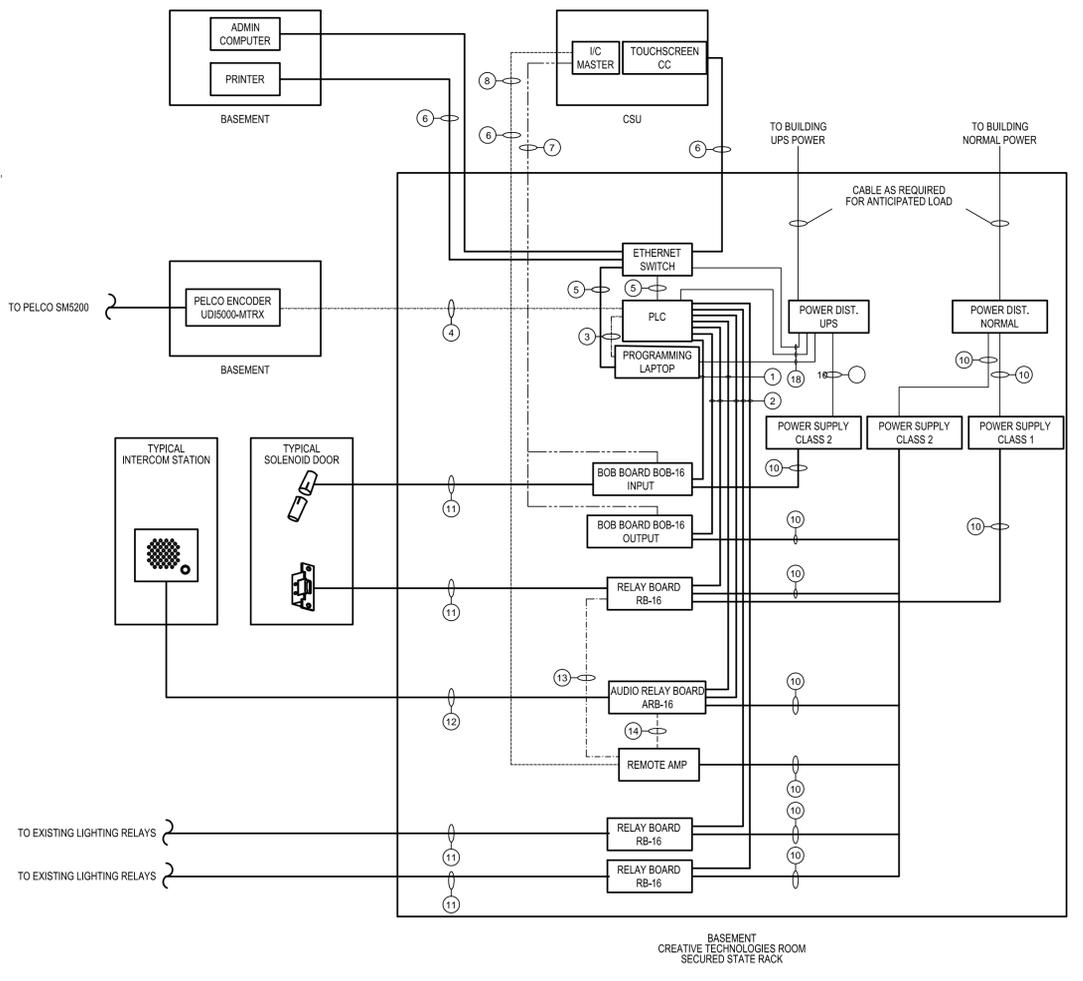
4 GATE CONTROL PUSH BUTTONS  
SCALE: NOT TO SCALE



7 MICROWAVE SENSOR BYPASS CIRCUIT  
SCALE: NOT TO SCALE



6 INTERCOM LED TEST SWITCH ONE LINE  
SCALE: NOT TO SCALE



1 ACCESS CONTROL SYSTEM  
SCALE: NOT TO SCALE

CONTROL PANEL SEQUENCE OF OPERATIONS:

- GATE OPERATIONS:
  - WHEN AN INTERCOM IS PRESSED THE SPECIFIED GATE INDICATOR LED SHALL BE ILLUMINATED ON THE CONTROL PANEL.
  - WHEN THE MOMENTARY PUSH BUTTON IS PRESSED THE CORRESPONDING GATE SHALL BE UNLOCKED AND THE GATE UNLOCKED LED SHALL BE ILLUMINATED.
  - WHEN THE GATE IS OPEN THE CORRESPONDING GATE OPEN LED SHALL BE ILLUMINATED.
  - WHEN THE MOMENTARY PUSH BUTTON IS RELEASED THE CORRESPONDING GATE SHALL BE LOCKED AND THE GATE UNLOCKED LED SHALL GO OUT.
  - WHEN THE GATE IS CLOSED THE CORRESPONDING GATE OPEN LED SHALL GO OUT.
- GATE INTERLOCK:
  - GATES S1 AND S2 SHALL ACT AS INTERLOCKED DOORS. IF S1 IS OPEN THEN S2 SHALL NOT HAVE THE ABILITY TO OPEN UNTIL S1 IS SHUT. THE SAME OPERATION SHALL REMAIN IN EFFECT FOR THE REVERSE.
  - THE DOOR UNLOCK MECHANISM FOR GATES S1 AND S2 SHALL ALSO ACT AS DOOR OPENERS.
  - THE GATES WILL OPEN ONLY SO LONG AS THE MOMENTARY TOGGLE LEVER IS DEPRESSED. AS SOON AS THE LEVER IS RELEASED, THE GATE SHALL BEGIN TO SHUT.
  - GATES S3 AND S4 SHALL ALSO BE INTERLOCKED AND ACT IN A SIMILAR WAY. THE EXCEPTION IS THAT THESE GATES ARE NOT MOTORIZED AND WILL HAVE MOMENTARY PUSH BUTTONS.
- OVERRIDES AND LOCKOUTS:
  - THE KEY SWITCH PUSHBUTTON DISENGAGE SHALL LOCK OUT ALL BUTTONS TO MAKE THEM INOPERABLE.
  - ALL GATES SHALL REMAIN LOCKED WHEN BUTTONS ARE INOPERABLE.
  - THE FA KEY SWITCH OVERRIDE SHALL OVERRIDE THE INTERLOCK SYSTEM ON GATES S1 AND S2. THIS WILL OPEN BOTH GATES AT THE SAME TIME WHEN THE KEY SWITCH IS TURNED TO THE ON POSITION IN ORDER TO ALLOW FIRE TRUCKS ACCESS TO THE FACILITY DURING AN EMERGENCY.
- TESTING:
  - A CIRCUIT SHALL BE SET UP WITHIN THE MAIN CONTROL CONSOLE THAT CONNECTS ALL THE LEDES TO A TEST CIRCUIT.
  - WHEN THE LED TEST CIRCUIT PUSH BUTTON IS PRESSED ALL LEDES ON THE CONTROL BOARD SHALL LIGHT UP WITHOUT EFFECTING ANY OTHER CONTROLS.
  - IF ANY LED DOES NOT LIGHT UP, IT SHOULD BE REPLACED.

5 GATE CONTROL PANEL SEQUENCE OF OPERATION  
SCALE: NOT TO SCALE

GYMNASIUM MAINTENANCE ROOM 13 SECURED STATE RACK

NO	LINE	TYPE	DESCRIPTION	F&I BY
1	---	G79-XX-00	INPUT IO CABLE	FACTORY
2	---	G79-O-XX-00	OUTPUT IO CABLE	FACTORY
3	---	PRE-MADE	HOST/PERIPH. CABLE (DIAG. ONLY)	FACTORY
4	---	BELDEN 9940	RS-232 INTERFACE CABLE	FIELD
5	---	CAT 5	ETHERNET PATCH CABLE	FACTORY
6	---	CAT 5	ETHERNET CABLE	FIELD
7	---	WEST PENN 254	IC MASTER CONTROL CABLE	FIELD
8	---	WEST PENN 293 (x2)	IC MASTER AUDIO CABLE	FIELD
9	---	62.5 FIBER (x4)	ETHERNET FIBER BACKBONE	FIELD
10	---	2#14 THHN	RACK POWER WIRING	FACTORY
11	---	#14 THHN	CLASS 1 FIELD CABLE QTY AS REQUIRED	FIELD
12	---	WEST PENN 355	INTERCOM STATION CABLE	FIELD
13	---	BELDEN 9421	REMOTE AMP CONTROL CABLE	FACTORY
14	---	WEST PENN 293	SHIELDED AUDIO CABLE	FACTORY
15	---	WEST PENN 293	SHIELDED AUDIO CABLE	FIELD
16	---	WEST PENN 225	TW PAIR AUDIO CABLE	NOT USED
17	---	WEST PENN 225	TW PAIR AUDIO CABLE	NOT USED
18	---	WEST PENN 225	POWER CORD	NOT USED

- ACCESS CONTROL GENERAL NOTES:
- SYMBOLS FOR THIS DETAIL DRAWING ONLY.
  - ALL FIELD WIRING BY ELECTRICAL CONTRACTOR.
  - QUANTITIES AS REQUIRED.



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CONTRACT: ELECTRICAL  
TITLE: SECURITY IMPROVEMENTS DESIGN  
BROOKWOOD SECURE CENTER  
LOCATION: 419 SPOOK ROCK ROAD  
P.O. BOX 265  
CLAVERACK, NY 12534  
CLIENT: OFFICE OF CHILDREN  
AND FAMILY SERVICES

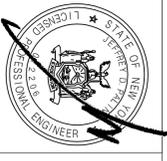
OCFS PROJECT NO. - CFS2199

MARK	DATE	DESCRIPTION
	2/13/2013	ADDENDUM 1
	10/30/2012	BID DOCUMENTS

PROJECT NUMBER: **43957 - E**  
DESIGNED BY: W.R.BARLEY  
DRAWN BY: D.W.BARLEY  
FIELD CHECK: C.R.BARNES  
APPROVED: \_\_\_\_\_  
SHEET TITLE: REVISED 2/13/2013  
SECURITY ONE LINE DIAGRAM  
DRAWING NUMBER: E-604  
SHEET 17 OF 17

CONSULTANT

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**ELECTRICAL**  
 TITLE  
 SECURITY IMPROVEMENTS DESIGN  
 BROOKWOOD SECURE CENTER

LOCATION: 419 SPOOK ROCK ROAD  
 P.O. BOX 265  
 CLAYTON, NY 12534

CLIENT: OFFICE OF CHILDREN AND FAMILY SERVICES

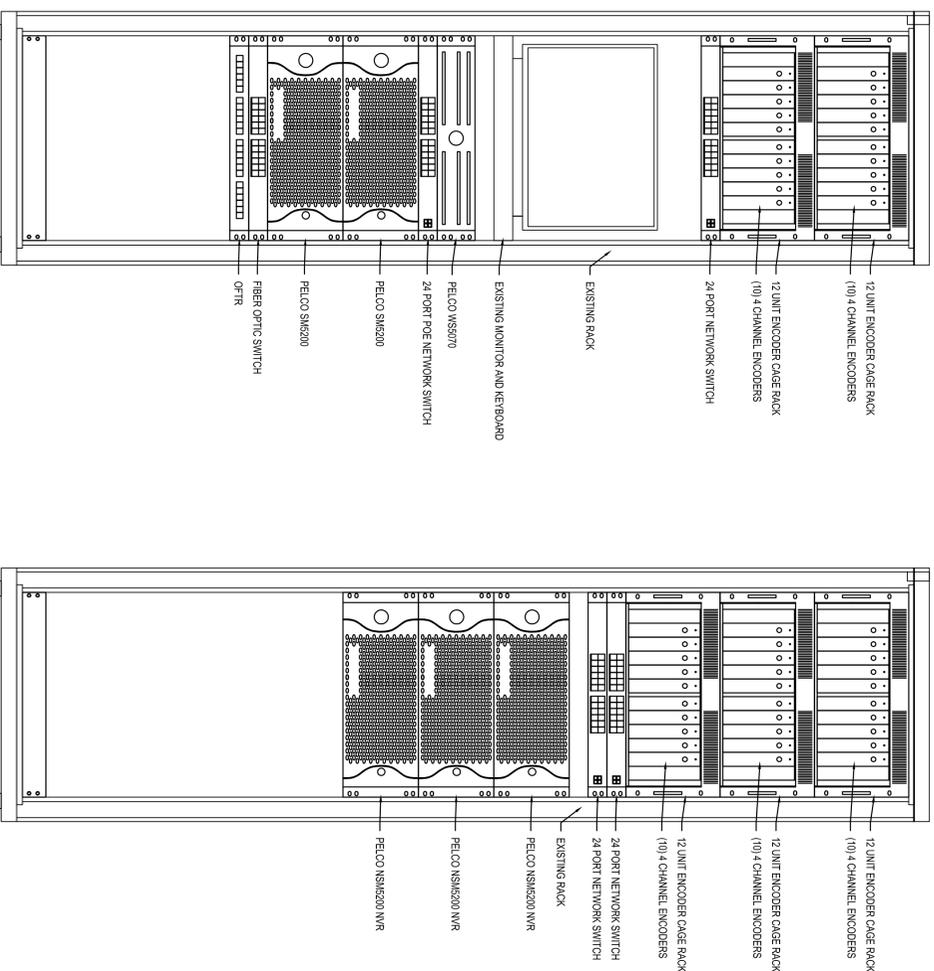
OFCFS PROJECT NO. - CFS2199

DATE	2/13/2013	ADDENDUM 1
DATE	10/20/2012	BID DOCUMENTS
MARK		
PROJECT NUMBER	<b>43957 - E</b>	
DESIGNED BY:	W.R.BARLEY	
DRAWN BY:	D.W.BARLEY	
FIELD CHECK:	T.L.WEAH	
APPROVED:		
SHEET TITLE:	ADDENDUM NO. 1 SCHEDULES & RACK ELEVATIONS	

DRAWING NUMBER: **E-605**

SHEET 18 OF 18

NOTE: EXISTING RACKS REMOVE EXISTING DWTS AND ENCODERS. LABEL ALL CAMERA CABLE RACK TO EQUIPMENT RACKS. INSTALL NEW ENCODERS COORDINATE WITH DIRECTORS REPRESENTATIVE TO SCHEDULE E CAMERA DOWN TIME. CAMERAS TO BE MOVED IN BLOCKS IF 4 AT A TIME.



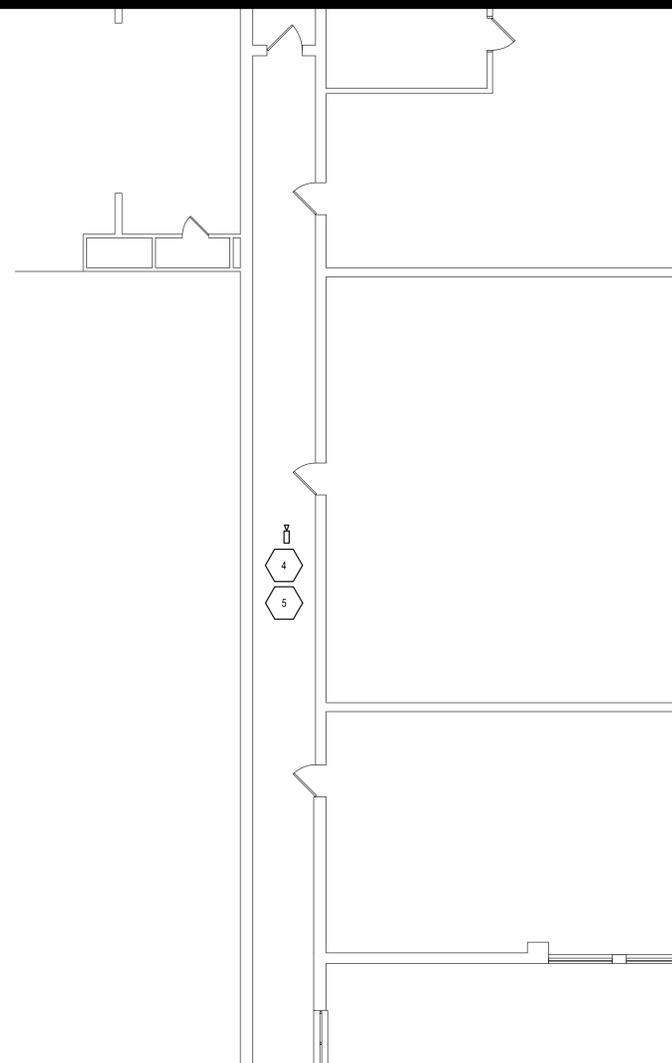
**3** BASEMENT DATA/TELECOM ROOM RACK ELEVATIONS  
 SCALE: NOT TO SCALE

CAMERA NUMBER	CAMERA LOCATION	TERMINATION LOCATION	MECHANICAL ROOM	CAMERA TYPE	MOUNT TYPE	CAMERA FORMAT	VIEWING DISTANCE	LENS FOCAL LENGTH	CAMERA MODEL
B41	CLASSROOMS HALLWAY			FIXED	CEILING	1/3"	40'	VARIFOCAL 2.8 - 10MM	PELCO E50

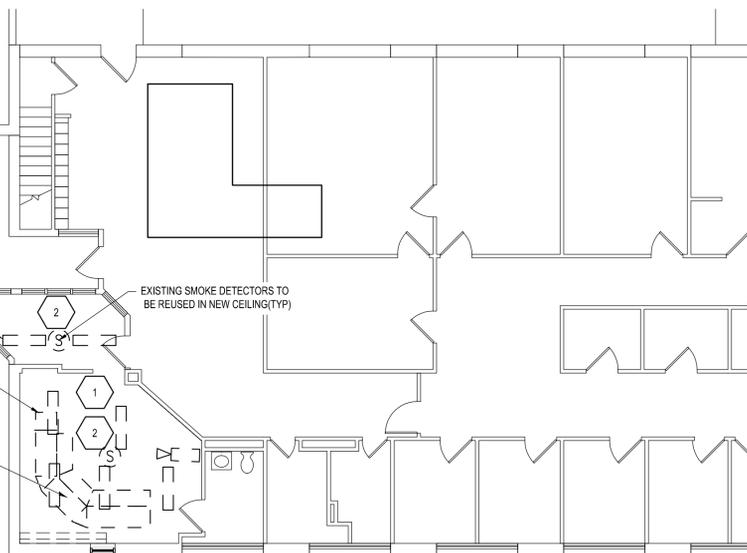
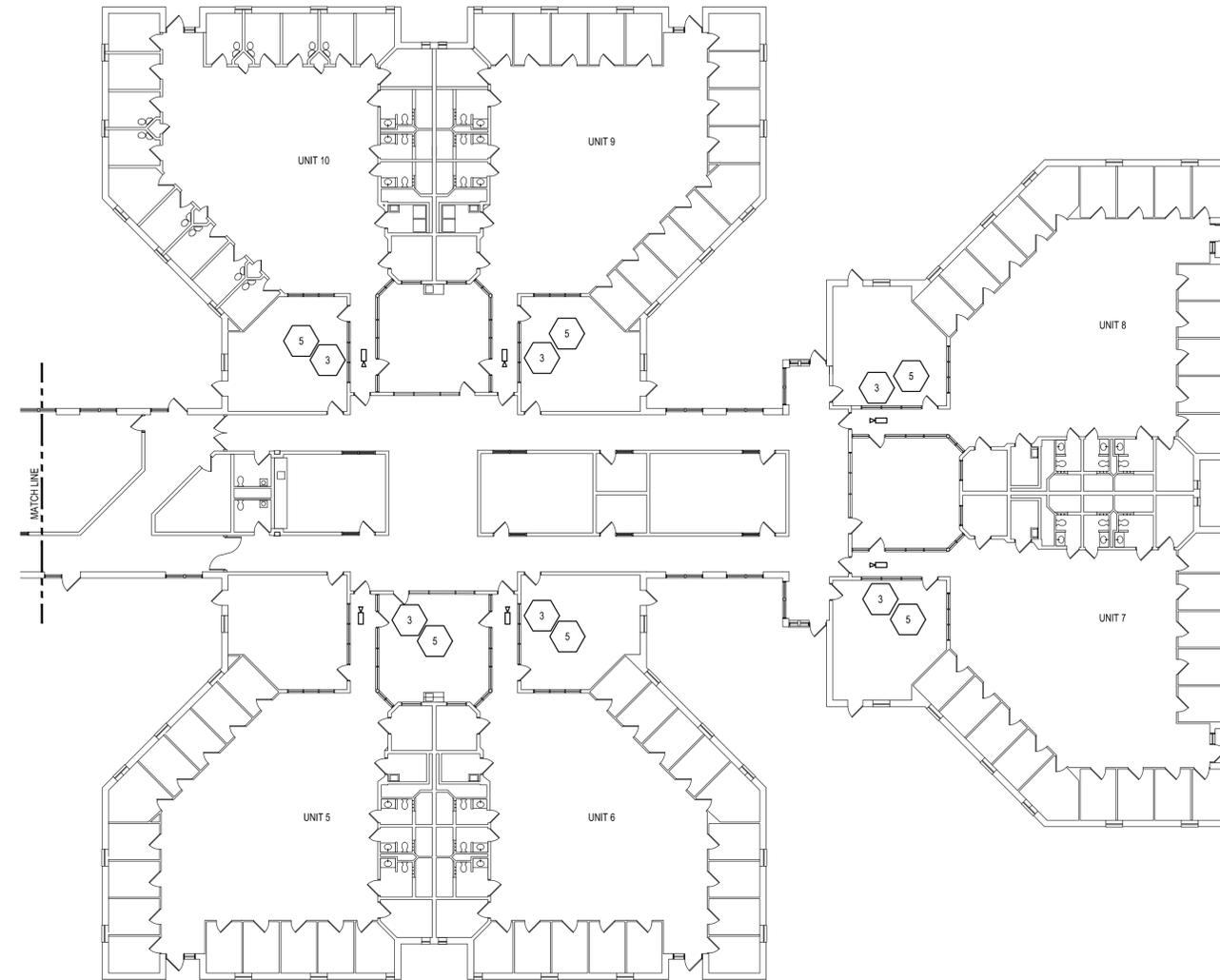
**2** CAMERA SCHEDULE E (CONTINUED FROM E-501)  
 SCALE: NOT TO SCALE

DOOR NUMBER	DOOR LOCATION	SWITCH LOCATION	DOOR STATUS	QTY	INTERCOM	QTY	ELECTRO MECH LOCK	DOOR TYPE	NOTES
160	UNIT 8	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
161	UNIT 8	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
162	UNIT 7	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
163	UNIT 7	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
164	UNIT 7	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
165	UNIT 9	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
166	UNIT 9	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
167	UNIT 9	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
168	UNIT 10	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
169	UNIT 10	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
170	UNIT 10	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
171	CORRIDOR S-16	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
172	CORRIDOR S-16	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
173	UNIT 5	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
174	UNIT 5	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
175	UNIT 5	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
176	UNIT 5	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
177	KITCHEN	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
178	DINING ROOM	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
179	DINING ROOM	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
180	DINING ROOM	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
181	VISITOR/MAIL/PURPOSE	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
182	VISITOR/MAIL/PURPOSE	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
183	CONTROL RM/CORRIDOR	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
184	CORRIDOR S-21	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
185	CORRIDOR S-21	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
186	PRINT SHOP	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
187	WOOD SHOP	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
188	BLDG MAINT SHOP	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
189	DAIRY ROOM 13	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
190	CONTROL 12	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
191	CONTROL 14	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
192	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
193	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
194	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
195	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
196	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
197	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
198	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
199	DAIRY ROOM 15 HALLWAY	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
200	CORRIDOR 16	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
201	CORRIDOR S-2	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
202	ACTIVITY S-3	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
203	UNIT 9	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
204	UNIT 6	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
205	UNIT 6	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
206	UNIT 6	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
207	BY GREENHOUSE	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
208	BY GREENHOUSE	STORAGE B-03	GE-0706G	1	CREATIVE TECHNOLOGY	1	REUSE EXISTING	SINGLE DOOR	
209	VEHICLE SALYPORT	STORAGE B-03	GE-0706G	1	REUSE EXISTING	1	REUSE EXISTING	SINGLE DOOR	
210	VEHICLE SALYPORT	STORAGE B-03	GE-0706G	1	REUSE EXISTING	1	REUSE EXISTING	GATE	

**1** DOOR SCHEDULE (CONTINUED FROM E-501)  
 SCALE: NOT TO SCALE

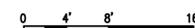


1 CORRIDOR S-18 DEMOLITION PLAN  
SCALE: 1/8" = 1'



NOTE: TEMPORARY CSU TO BE SET UP AND FUNCTIONAL BEFORE 1ST FLOOR CSU IS TAKEN OUT OF SERVICE. ALL SECURITY SYSTEMS AND MONITORS TO REMAIN FUNCTIONAL. REFER TO E-103. CONTRACTOR AND TYCO TO PROVIDE ENOUGH MANPOWER SO CSU IS NOT OUT OF SERVICE FOR MORE THAN 4 HOURS.

1 MONITOR ROOM DEMOLITION PLAN  
SCALE: 1/8" = 1'



- 1 EQUIPMENT IN MONITOR ROOM TO BE COMPLETELY REMOVED, INCLUDING BUT NOT LIMITED TO: MONITORS, MONITOR VIEWING STATION, COMPUTERS, KEYBOARDS, CONDUIT, CABLES, CONNECTORS, CABINETS AND MOUNTING HARDWARE. SOME HARDWARE TO BE USED IN TEMP CSU. DOOR ACCESS AND CAMERA CABLING TO BE EXTENDED TO TEMPORARY CSU IN BASEMENT. CABLING TO INCLUDE FIBER, COAX, CAT5 COPPER, RELAY CONTROL WIRING (APPROXIMATELY 90), COORDINATE WITH DIRECTOR'S REPRESENTATIVE BEFORE REMOVING. CSU DEMOLITION TO BE PHASED WITH THE CONSTRUCTION OF THE TEMP CSU.
- 2 REMOVE LIGHTS, CAMERA AND SMOKE DETECTOR. RETAIN FOR REUSE IN NEW CEILING.
- 3 CAMERA TO BE RELOCATED TO LOCATION SHOWN ON SHEET E-103. REUSE ALL EQUIPMENT AND EXTEND WIRING WHERE NECESSARY.
- 4 CAMERA TO BE ROTATED TO CAPTURE VIEW AS SHOWN ON SHEET E-102.
- 5 PATCH AND PAINT CEILING TO MATCH EXISTING.

2 KEYED NOTES  
SCALE: NOT TO SCALE

CONSULTANT

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CONTRACT: **ELECTRICAL**

TITLE: SECURITY IMPROVEMENTS DESIGN  
BROOKWOOD SECURE CENTER

LOCATION: 419 SPOOK ROCK ROAD  
P.O. BOX 265  
CLAVERACK, NY 12534

CLIENT: OFFICE OF CHILDREN  
AND FAMILY SERVICES

OCFS PROJECT NO. - CFS2199

MARK	DATE	DESCRIPTION
	2/13/2013	ADDENDUM 1
	10/30/2012	BID DOCUMENTS
PROJECT NUMBER:	<b>43957 - E</b>	
DESIGNED BY:	W.R.BARLEY	
DRAWN BY:	D.W.BARLEY	
FIELD CHECK:	T.L.HEATH	
APPROVED:		

SHEET TITLE:  
**REVISED 2/13/2013  
MONITOR ROOM  
DEMOLITION PLAN**

DRAWING NUMBER:  
**ED-102**