

ADDENDUM # 2

PROJECT: Fore River Short Stay Hospital, Portland, Maine

PROJECT NO: 05-4898

OWNER: Mercy Health System of Maine

CONSTRUCTION
MANAGER: **Gilbane Building Company**
7 Jackson Walkway
Providence, Rhode Island 02903

ARCHITECT: **Francis Cauffman Foley Hoffmann**
2120 Arch St., Philadelphia, PA 19103

CONSULTANTS:
Associated Architect /
Structural / Landscape: **SMRT, Inc**
144 Fore St., Portland, ME 04104

Civil Engineer: **DeLuca-Hoffman Associates, Inc.**
778 Main St., Suit 8, South Portland, ME 04106

MEP Engineer: **BR+A Consulting Engineers**
311 Arsenal St., Watertown, MA 02472

Food Service: **Inman Foodservices, LLC**
1808 West End Ave, Suite 1400, Nashville, TN
37203

Equipment Planning: **Gene Burton & Associates**
1893 General George Patton Dr., Franklin, TN
37067

DATE: December 6, 2006

I GENERAL

- A. This Addendum is hereby included in and made part of the Contract Drawings and Specifications, whether or not attached thereto. It becomes effective upon receipt of written authorization from the Owner's Representative. All requirements of the original drawings and specifications shall remain in force except as modified by this Addendum.

II REFER TO PROJECT MANUAL

A. Refer to Volume 1 Table of Contents:

- 1) ADD "Section 08332 - Rolling Fire Doors"

B. Refer to Volume 2 -Table of Contents:

- 1) DELETE Section 15240 – Cooling Tower Sand Water Filter

C. Refer to Section 06402 – Interior Architectural Woodwork.

ADD the following paragraph under Section 2.3:

"P. Manufactured countertop support brackets: Equal to RAKKS by Ragine Corporation.

1. 6063 T-6 "T" shaped extruded aluminum.
2. MIG welded along both 45° mitre and across back.
3. 5/16" holes accept ¼" screws.
4. Primed mill aluminum prepared to accept paint matching adjacent wall surfaces."

D. ADD "Section 08332 - Rolling Fire Doors" to Project Manual.

E. Refer to Section 01411 - Special Inspections and Structural Testing"

ADD the Schedule of Special Inspections (6 pages) to the end of the Section.

F. Refer to Specification Section 15300, 1.6(F)(2)

1. **Modify** hose allowance from 100 GPM to 250 GPM.

G. Refer to Specification Section 15300, 1.6(F)(3)

1. **Modify** remote area from 2000 sq. ft. to 2500 sq. ft.

H. Refer to Specification Section 15300, 1.6(F)(4)

1. **Modify** remote area from 2000 sq. ft. to 2500 sq. ft.

I. Refer to Specification Section 15410, 2.1(G)(1)

1. **Add** the term "electronic" to paragraph to read "The units shall be electronic thermostatic controllers with check stops, strainers, outlet thermometer, volume control and chrome finish as detailed on the drawings."
2. **Modify** manufacturer and model number to read "Armstrong Model #665DWPP-PTWEM613 Basis 2".

J. Refer to Specification Section 15440, 2.9(B)

1. **Delete** sub-paragraphs (2), (5), (6), (8).
2. **Renumber** sub-paragraphs accordingly.

3. **Modify** cleanout model number for cleanouts in resilient tile and carpeted floors from “J.R. Smith #4146” to “Zurn #ZN-1400-BP-X” for tile, and “ZN-1400-SP-LM” for carpet.
 4. **Modify** cleanout model number for cleanouts in concrete from “J.R. Smith #4226” to “Zurn 1400-BP”.
 5. **Modify** cleanout model number for wall cleanouts from “J.R. Smith #4735” to “Zurn 2144-6-BP”.
- K. Refer to Specification Section 15440, 2.9(C)(4)
1. **Modify** paragraph to read:
“Refer to Schedule on Drawings.”
 2. **Delete** sub-paragraphs (a), (b), (c), (d).
- L. Refer to Specification Section 15440, 2.9(D)
1. **Delete** paragraph in its entirety.
- M. Refer to Specification Section 15440, 2.9(E)
1. **Renumber** paragraph from “E” to “D”.
 2. **Modify** door drain model number from “Zurn ZA-100-C-VP” to “Z-100-DP-EA”.
- N. Refer to Specification Section 15440, 2.9(F)
1. **Delete** paragraph in its entirety.
- O. Refer to Specification Section 15450, 2.1(D)(1)
1. **Modify** acceptable manufacturers from “Zurn” to “Zurn-One”.
- P. Refer to Specification Section 15450, 2.1(D)(2)
1. **Modify** weight support requirements from 250 lbs. to 500 lbs.
- Q. Refer to Specification Section 15460, 2.1
1. **Delete** paragraph in its entirety and **replace** with the following:
- “2.1 DOMESTIC WATER HEATER AND MASTER MIXING VALVE ASSEMBLY
- A. General: The parallel instantaneous water heater package with EMC shall be mounted on an angle iron frame. The package shall be pre-plumbed with all required components and pressure tested. Packages which require field assembly other than basic water, steam and electrical service shall be unacceptable. The instantaneous water heater shall operate on water differential using the feed forward principle and shall not use a feedback temperature control device with capillary system. The water controlling valve shall be mounted integral to the heat exchanger without the use of connecting piping. Only the necessary steam, water and condensate connections to the instantaneous water heater shall be pre-plumbed. Copper line storage tanks shall not be used. Temperature controller shall feature integrated circuit board technology

designed to deliver blended water economically at a safe, accurate temperature for sanitary use in re-circulated hot water systems. Electronic control box shall be supplied pre-wired, terminating at a knockout for Romex or BX cable connector. Materials of construction and items included shall be:

1. Shell of carbon steel with 3" NPT steam inlet and 1-1/4" NPT condensate exit ports
2. Tubes of 5/8" 16 gauge admiralty brass expanded into brass tube sheets
3. Water control valve body of bronze with brass and stainless steel internals and having 2" NPT water connections
4. Stand of 2" Carbon Steel Angle
5. Water pipe of Type L copper
6. Armstrong Steam Trap model 814
7. Armstrong Thermostatic Air Vent
8. 12V DC electronic temperature controller
9. 110V UL-listed transformer enclosed in a NEMA 4X enclosure
10. One electronic temperature controller to building automation interface module with interface cables and integral 4-20 mA input and output connections
11. Three temperature transmitters installed in hot and cold water inlet and re-circulation return piping and pre-wired to interface junction panel
12. One dual-mode temperature RTD providing a 4-20 mA signal for installation in the mixed downstream pipe work
13. Low voltage control wiring with protective conduit
14. All required valve fittings and isolation valves, pressure gauges, inlet combination ball valve strainers, inlet/return check valves, inlet, system blend and return line thermometers
15. 1/6 HP circulating pump rated at 15 gpm at 30 ft of head

B. Performance: The instantaneous water heater shall be of the horizontal shell and tube design providing easy access to the individual tubes without moving the heater from its installed position. No overhead clearance shall be required for servicing. The controlling valve shall fail in the closed position to prevent overheating and scalding of the water. The Electronic Mixing Center (EMC) shall deliver up to 72 gpm with no minimum system draw-off requirement. The EMC shall have a visual operation "set" and "actual" temperature display for effective commissioning, adjustment and system monitoring and a visual signal by display to show "error" mode or "out of range" system failure, coupled with output for audible alarm and/or downstream solenoid valve relay. The EMC shall have an integral two-way data port for PC and BMS interface. The temperature controller shall be compliant with ASSE Standard 1017 and CSA B125 and so certified and identified. Model shall be 665DWPP-PTWEMC13 BASIS2. The instantaneous water heater package with EMC shall include all of the following capabilities:

1. Maximum water pressure drop not exceeding 10 psi
2. Re-circulated water control within +/-2°F with minimal recirculation of 4 gpm
3. Accurate control of blended water drawn from the system at a point of use within +/-2°F measured 5m downstream of mixing valve
4. Operational steam pressure of 2-15 psig
5. Maximum allowable steam pressure of 150 psig
6. Operational water pressure of 20-150 psig
7. Maximum allowable water pressure of 150 psig
8. Automatic shutoff of hot water flow upon cold water inlet supply failure
9. Automatic shutoff of hot water flow in the event of a power failure"

- R. Refer to Specification Section 15240 – Cooling Tower Sand Water Filters
 - 1. **Delete** Section 15240 in it’s entirety without replacement.

- S. Refer to Specification Section 15518 – Package High Pressure Steam Fire-tube Boilers and Accessories
 - 1. Article 2.1, Packaged Fire-Tube High Pressure Boilers
 - a. Paragraph B.1.c.1) – Oil Pump, **Modify** second sentence to read: “Separate motor driven pump set shall be provided mounted and wired on the boiler base rail.”
 - b. Paragraphs C through K (pages 7 thru 11), **Delete** paragraphs and **replace** with the following:
 - “C. Boiler Flame Safeguard Controller and Control Panel
 - 1. Each unit shall be factory equipped with a Boiler Control System providing technology and functions equal to the Cleaver Brooks Hawk ICS Boiler Control system.
 - 2. Each Boiler Control System shall be factory equipped with a pre-configured Programmable Controller and Human Machine Interface (HMI).
 - 3. Major system components shall include:
 - a. Programmable Controller.
 - b. Touch Screen HMI.
 - c. DeviceNet™ Communication Network.
 - d. Various Controller Input/Output Modules.
 - e. Parallel positioning system
 - f. One Burner Management Controller and Wiring Sub-Base.
 - g. One Flame Scanner: Infrared, Ultra-Violet, or UV Self-Check.
 - h. One Flame Amplifier, to correspond with the selected Flame Scanner.
 - i. Various Temperature Sensors.
 - 4. Major functions that the Boiler Control System shall provide:
 - a. Automatic sequencing of the boiler through standby, pre-purge, pilot flame establishing period, main flame establishing period, run and post purge.
 - b. Flame proving and lockout on flame failure during pilot flame proving, main flame proving, or run.
 - c. Low fire damper/valve position for flame ignition trials.
 - d. Full modulating control of fuel and combustion air.
 - e. Utilize solid state controls and sensors to provide various control functions, such as:
 - 1) On/Off, and Modulating Control.
 - 2) Modulating Control algorithm shall be Proportional-Integral-Derivative (PID) type.
 - 3) Thermal Shock Protection.
 - 4) Various High and Low limit alarms and shutdowns.

- f. Touch Screen graphical operator interface and monitoring.
- g. Manual control of the boiler-firing rate utilizing control screens on the HMI to increment and decrement the firing rate.
- h. On screen indication of burner management controller status and diagnostics.
- i. On screen real-time display of all connected process parameters.
- j. On screen display of system alarms and faults.
- k. On screen history of alarms and faults.
- l. Printing capabilities.
- m. On screen recommendation for troubleshooting fault conditions.
- n. On screen water level indication and alarm(s).

- 1) Building and Plant Automation System interface
- 2) Tamper resistant control logic and password protection.
- 3) Night/Day Setback control.
- 4) Stack Flue Gas, Combustion Air, and Shell (water) temperatures.
- 5) Boiler Efficiency calculation
- 6) Outdoor Reset for Hot Water Boilers.
- 7) Remote Modulation or Firing Rate Set Point control.
- 8) Assured Low Fire Cut-Off (ALFCO).

5. The Boiler Control System shall provide the following safety provisions for:

a. Integrated Burner Management

- 1) Examine all load terminals to assure it is capable of recognizing the true status of the external controls, limits and interlocks. If any input fails this test, the burner management system should lockout on safety shutdown.
- 2) Closed-loop logic test verifies integrity of safety critical loads (ignition, pilot, and main fuel valves) and must be able to lockout on safety. shutdown if any safety critical load is identified as proper or improper.
- 3) Pre-ignition interlocks (fuel valve proof of closure, etc.) and flames signal checked during Standby and Pre-Purge.
- 4) Dynamic checking of the flame signal amplifier. The control flame signal amplifier must be able to recognize a no flame signal during this dynamic amplifier check.
- 5) Safe start check and expand check to include monitoring flame signal during standby.
- 6) High and Low fire switches checked for proper sequencing.
- 7) Tamper-proof Purge Timing and safety logic.

b. Integrated Boiler Controls

- 1) Operating and High Limit Control.
- 2) Primary and Secondary Low Water Cut-Off.
- 3) Variable Speed Drive fault shutdown.
- 4) Parallel Positioning Controls
- 5) Password protection of Programmable Controller logic.
- 6) Password protection of Parallel Positioning Control

6. The Boiler Control System shall provide annunciation and diagnostics:
 - a. First out annunciation, plus time and cycle, in sequence of fault occurrence.
 - b. Indication of failures at start up or during normal operation.
 - c. Provide historical alarm information for on screen display or printout.
 - d. Detects and isolates an alarm, and reports internal circuit faults.
 - e. English text description of the system fault and troubleshooting procedures.
 - f. Water Level alarms and/or indication.
 - g. Dynamic Self Checking.

7. The Boiler Control System shall be able to operate in these environmental conditions.
 - a. Supply Voltage: 120vac (+10%/-15%) 50 or 60 Hz.
 - b. Maximum total connected load:2000 VA.
 - c. Operating temperature limits: 32 to 130 F
 - d. 85% RH continuous, non-condensing, humidity.
 - e. 0.5G continuous vibration.

8. All Boiler Control System wiring shall be in accordance with the National Electrical Codes and local electrical codes.
9. Boiler Control System component functions shall be as follows:
 - a. Burner Management Controller: Provides boiler sequencing logic to meet FM/IRI/UL approval body requirements.
 - b. Touch Screen Graphical Interface: Provides user interface to the control system, boiler overview screen with connected boiler parameter readouts, Burner Management Control status screen, alarm screens, diagnostic screens for fault troubleshooting, alarm history screen, water level control screen, and system firing rate screen.
 - c. DeviceNet™ Communication Network: Provides communication between the Programmable Controller and other peripheral devices.
 - d. Various Programmable Controller Input/Output modules: Provides interface for discrete powered and/or isolated relay signals, as well as for analog signals, from and/or to other input/output devices.
 - e. Stack Temperature Sensor: Measures and transmits a signal to the Programmable Controller in relation to boiler exit flue gas temperature for indication and for use in the calculation of boiler efficiency. Also can be used for high stack temperature alarm and shutdown.
 - f. Water Temperature Transmitter for Hot Water Boilers: Provides an analog signal to the Programmable Controller for indication of boiler water temperature. Utilized for thermal shock protection, on/off, and modulating control of the burner.
 - g. Water (shell) Temperature Sensor: Measures and transmits a signal to the Programmable Controller in relation to boiler water temperature. Used for indication and thermal shock protection.

10. Combustion Air Temperature Probe - Type J thermocouple
 - a. Shall be of the Integrated Type (in probe head)

- b. Provide 4 – 20mA DC Signal output in relation to process variable for remote display
11. Each boiler shall incorporate parallel positioning actuators – one for each fuel valve, and one for the rotary air damper assembly.
 12. Combustion Air Thermocouple to be Type J - The system shall continuously monitor oxygen concentration in the boiler's exit flue gas and provide indication of O2 percentages and alarm points on a Human Machine Interface (HMI) type display.

D. Communications Interface

1. The Boiler Manufacturer shall furnish and install a control module capable of Ethernet communications between the boiler's programmable logic control system and other Ethernet compatible devices, as needed, and provide the following minimum requirements:
 - a. Interface with the Compact Logix Programmable Controller Protocol
 - b. Ethernet Industrial Protocol (Allen-Bradley EPIC)
 - c. Follows Ethernet Rules and Practices
 - d. High Noise Rejection
 - e. Open Industrial Network Standards
 - f. IEEE 802.3 Physical and Data Link Standard
 - g. Ethernet TCP/IP protocol suite industry standard
 - h. Control and Information Protocol (CIP) Compliant

E. Lead-Lag Controller

2. Lead/Lag and full modulation control
3. Boilers' Start and Stop
4. Hot water temperature, is compared with the setpoint and controller's processor executes PID algorithm. Lead boiler is commanded to come on line first. Lag boiler is commanded to come on line when a firing rate signal for the lead boiler reaches lag boiler start point. Lag boiler is commanded to stop when a firing rate signal for the lag boiler reaches lag boiler stop point.
5. Lead/Lag Modulation - Lag boiler starts modulation after lead boiler reaches maximum firing rate.
6. Hot Standby - System shall have a provision for keeping lag boiler in hot standby. Standby routine shall be based on a water temperature signal.
7. This option is applicable to full modulation burners utilizing the CBHAWK ICS advanced boiler control system and modulating controls.
8. All logic for Lead/Lag Control shall reside in the boiler controller. No additional control panels shall be required.

F. VFD Drives

9. The Boiler Manufacturer shall provide a Variable Speed Drive controller for use on the burner's Combustion Air Fan blower motor for the purpose of providing Improved Boiler Efficiency and Reduced Electrical Energy consumption.
10. The Drive's voltage, frequency, and current ratings shall be rated in accordance with the electrical requirements as dictated by job site specifics, and for the properly rated motor horsepower.

11. The Variable Speed Drive must be capable of communicating over the DeviceNet™ protocol.
 12. A pressure transmitter shall be supplied to measure the Wind Box Pressure of the Burner and shall be capable of supplying a 4 – 20mA process variable input signal to the VSD.
 13. A Motor suitable for variable speed drive service must be supplied for use in conjunction with the Variable Speed Drive, and sized to match the motor requirements of the Combustion Air Fan Blower.
 14. Variable Speed Drive shall be interlocked with boiler control to ensure safe operation.
 15. Boiler to be supplied with a control circuit transformer and fuse protection for the control circuit.
 16. In compliance with insurance requirements, include a 4” alarm bell with silence push-button. Alarm bell to sound during any and all abnormal boiler conditions. In addition to the local alarm bell being activated, a set of contacts shall be provided to sound a remote alarm.”
- O. Refer to Specification Section 15550 – Breeching and Freestanding Chimney
1. Article 2.2 – Stack Accessories
 - a. Paragraph B.2.1), **Change** “350” to “400”.
 - b. Paragraph B.2.2), **Change** “500” to “400” and “1700” to “1600”.
- P. Refer to Specification Section 15763 – Steam Humidifiers
1. Article 2.1 – **Retitle** Article to read “STEAM HUMIDIFIERS MOUNTED IN AHU’s”.
 2. Article 2.1 – Paragraph F, **Title to read** “Controls in-unit type”.
 3. Article 2.2:
 - a. **Insert** new Article 2.2 – Steam Humidifiers Mounted In-Ducts, directly following Paragraph 2.2.F, as follows:

“2.2 STEAM HUMIDIFIERS MOUNTED IN-DUCTS

- A. Acceptable manufacturers subject to compliance with the specifications shall be as follows:
 1. Armstrong
 2. Dri-Steem
 3. Pure Humidifier
- B. Provide steam humidifiers for electronic modulating control, of the steam separator type, providing full separation ahead of an integral steam jacketed control valve which discharges through an internal steam jacketed drying chamber, a silencing chamber, and a multiple steam jacketed distribution manifold. Humidifiers shall be single or multiple tube(s) as scheduled. Tube length shall match width of ductwork.

- C. Humidifiers shall receive steam at supply pressure (low pressure) and discharge at atmospheric pressure. Humidifiers shall be provided with inlet strainer and external inverted bucket steam traps. Humidifiers shall be constructed as follows:
1. Separating chamber shall be designed to remove all water droplets and all particulate matter larger than (3) microns when humidifier is operating at maximum capacity without objectionable noise.
 2. Chamber shall be cast iron or stainless steel.
 3. A stainless steel modulating valve shall be provided. This control valve shall have a minimum turn down ratio:
 - a. 1/2" 25:1
 - b. 3/4" to 2" 50:1
 4. The internal drying chamber shall be jacketed by steam at supply pressure.
 5. The silencing chamber shall be steam jacketed and utilize a stainless steel silencing medium.
 6. Multiple distribution manifold shall provide uniform distribution over its entire length and be jacketed by steam at supply pressure to ensure that vapor discharged is free of water droplets. A full-length stainless steel internal silencing screen shall be provided. Provide as a minimum of one control for every 5 manifolds. See details for additional information. Provide steam trapping in strict accordance with manufacturer's details and instructions.
- D. In addition provide with each humidifier kettle a temperature safety switch, which prevents operation when the condensate temperature returning from the manifold jacket is too low.
- E. Provide access doors downstream of humidifiers for visual verification of humidifier operation.”
- b. **Re-number** Paragraph “2.1.G” as “2.2.F”.
- Q. Refer to Specification Section 15855 – Registers, Grilles and Diffusers
1. Article 2.2, Paragraph E.1 regarding Type I diffusers, **Delete** “or Metalaire Model 2000D’.
- R. Refer to Specification Section 15625 – Centrifugal Water Chillers
1. Article 2.11, Performance Test and Requirements
 - a. Paragraph A.9, **Revise** to read:

“Verification of Capacity and Efficiency Test shall include ARI tolerances except as follows:”
 - b. Paragraphs A.9.a thru A.9.d, **Replace** current paragraphs with the following:

“a. The manufacturer shall supply a certified test report to confirm performance as specified. Proper ARI certification documents for the test loop shall be made available upon request from the manufacturer for

inspection. The performance test shall be conducted in accordance with ARI Standard 550-98 procedures and tolerances.

- b. All proposals for chiller performance must include an ARI approved selection method for the specified refrigerants.
- c. The performance test shall be run with clean tubes in accordance with ARI 550-98 to include the following:
 - 1) A downward temperature adjustment shall be made to the design leaving evaporator water temperature to adjust from the design fouling to the clean tube condition.
 - 2) An upward temperature adjustment shall be made to the design entering condenser water temperature to adjust from the design fouling to the clean tube condition.
 - 3) There shall be no exceptions to conducting the performance test with clean tubes and with temperature adjustments in (1) and (2). The manufacturer shall clean tubes, if necessary, prior to test to obtain a test fouling factor of .0000 hr. sq. ft. F/BTU.
- d. A certified test report of all data shall be submitted to the Project Owner and Construction Manager prior to completion of the project. The factory certified test report shall be signed by an officer of the manufacturer's company. Preprinted certification will not be acceptable; certification shall be in the original.”
- c. Paragraphs A.9.e, **Delete** “(not 5% over)”, and **Replace** with “, plus 5% over”.
- d. Paragraph A.9.g, **Replace** current paragraph with the following:
 - “g. The equipment will be accepted if the test procedures and results are in conformance with ARI Standard 550-98. If the equipment fails to perform within allowable tolerances, the manufacturer will be allowed to make necessary revisions to his equipment and retest as required. The manufacturer shall assume all expenses incurred by the owner or his representative to witness the retest. In the event that these revisions do not achieve submitted performance, the following penalties will be imposed:
 - 1) **CAPACITY TEST:** For each ton below the specified capacity, one thousand dollars per ton will be deducted from the contract price.

Allowable capacity = [(1 - tolerance) x design capacity]
 - 2) **POWER CONSUMPTION TEST:** The power consumption penalty for all load points shall be based upon the tolerances set forth in paragraph above. The power consumption penalty (P.C.P.) will be calculated based upon the following formula:

P.C.P. = [Measured KW - (Measured Tons x Allowable KW/Ton*)] x \$2000/KW

* Allowable KW/Ton = [(1 + tolerance) x design KW/Ton]

- 3) TOTAL PERFORMANCE PENALTY: The total performance penalty will be the sum of CAPACITY PENALTY AND POWER CONSUMPTION PENALTY.”

S. Refer to Specification Section 17000 – Direct Digital/Automatic Temperature Controls

1. Article 2.1, General

a. Paragraph A, **Modify** paragraph to read:

“Acceptable manufacturer’s subject to full compliance with the specifications. The entire ATC System, including distribution network, shall be fully UL Listed and labeled for Energy Management (UL 916) and Fire Control/Smoke Management (UL 864).”

b. **Add** paragraph A.6 to read:

“6. Trane”

III REFER TO THE DRAWINGS

A. ARCHITECTURAL:

- 1) Refer to Drawing A1.07, Loading Dock Plans & Elevations
 - a) Change Note on Elevation 4/A1.07 “sloped parapet with cast stone coping” to read “Sloped parapet with metal coping”.
- 2) Refer to Drawing A1.00 – Ground Floor Plan (Core & Shell)
 - a) ADD General Note “Note: See Plumbing Drawings for Floor Drain locations. Construction Contractor to coordinate.”
- 3) REPLACE the following Drawings:
 - a) Drawing CS-2 Drawing List
 - b) Drawing A1.07 Loading Dock Plans & Elevations
Revised aluminum guardrail elevations and added
 - c) Drawing A7.14 Miscellaneous Details
Revise Chimney Details.

B. HVAC:

- 1) REPLACE the following drawings
 - a) Drawing H0.02
Revised Boiler Feed Pump, Steam Boiler & Cabinet Heater Schedule.
 - b) Drawing H0.03
Revised Schedules.
 - c) Drawing H1.04
Revised Duct Plan for coordination.
 - d) Drawing H2.00
Revised CFM's & GPM's to Box Schedule.
Added expansions loop for MPS.
Add PC piping serving CAC-1.
Revised piping plan.
 - e) Drawing H2.02
Revisions made to CFM's & GPM's on Box Schedule.
Coordinated boxes locations and control wiring.
 - f) Drawing H2.04
Revised supply and return box locations.
Revised piping and thermostat control wiring.
 - g) Drawing H3.01
Revised boiler piping.
Added non-return valves.
 - h) Drawing H3.03
Revised piping for cooling towers.
Added cooling tower part plans.
 - i) Drawing H3.04
Coordinated flow diagram with plans.
 - j) Drawing H3.05
Revised pipe sizes.
 - k) Drawing H4.03
Revised/coordinated Mechanical Room part plan.
 - l) Drawing H4.04
Revised/Coordinated Level 5 part plan.
 - m) Drawing H4.05
Revised/Coordinated Level 5 part plan.
 - n) Drawing H4.06

Revised part plans.

C. PLUMBING

1) REPLACE the following Drawings:

- a) Drawing P0.00
Modified schedules.
- b) Drawing P0.01
Modified schedules.
- c) Drawing P0.02
Modified Details
- d) Drawing P1.UG
Modified underground storm and sanitary routing.
- de Drawing P1.00
Modified rain water piping.
Added vent piping at open end drain.
- f) Drawing P1.01
Added sizing information.
- g) Drawing P1.02
Added sizing information.
- h) Drawing P1.03
Added sizing information.
- i) Drawing P1.04
Modified vent piping.
Added sizing information.
- j) Drawing P1.05
Modified vent piping.
Added sizing information.
- k) Drawing P2.00
Modified pipe sizing.
Added HVAC make-up backflow preventers.
Added Gas piping at shaft.
Modified water heater arrangement.
- l) Drawing P2.01
Modified pipe sizing.
Added Gas piping at shaft.
- m) Drawing P2.02
Modified pipe sizing.

Added sizing info.

- n) Drawing P2.03
Modified pipe sizing.
Added sizing info.
- o) Drawing P2.04
Modified pipe sizing.
Added sizing info.
- p) Drawing P2.05
Added hose bibbs in Mechanical Room.
- q) Drawing P3.01
Added sizing information.

D. FIRE PROTECTION

1) REPLACE the following Drawings:

- a) Drawing FP1.00
Modified density notes based on FM Global requirements.
- b) Drawing FP1.01
Modified density notes based on FM Global requirements.
- c) Drawing FP1.02
Modified density notes based on FM Global requirements.
- d) Drawing FP1.03
Modified density notes based on FM Global requirements.
- e) Drawing FP1.04
Modified density notes based on FM Global requirements.
- f) Drawing FP1.05
Modified density notes based on FM Global requirements.

IV. ADD the following Sketches

A. ARCHITECTURAL

Sketch SKA-7 – Ground Floor Plan

- 1. Added door GX045A
- 2. Revised door GX045
- 3. Revised Dimensions

Sketch SKA-8 - Ground Floor Plan

- 1. Door GM04c lengthened to 12'
- 2. Door GM04d relocated
- 3. Revisions to dimension

Sketch SKA-9 – First Floor Plan

1. Addition of wall and partition tag
2. Partition type revision
3. Partition type and wall revision

Sketch SKA-10 - First Floor Plan

1. Addition of wall and partition tag
2. Addition of wall and partition tag
3. Partition tag revision

Sketch SKA-11 - First Floor Plan

1. Addition of Detail Bubble 5/A1.29
2. Addition of elevation tag 26,27/A8.11

Sketch SKA-12 - Second Floor Plan

1. Revision of wall and dimensions
2. Revision of door 2X120 and dimensions

Sketch SKA-13 - Second Floor Plan

1. Revision of door 2X130, wall and dimensions
2. Revision of door 2X040b and dimensions

Sketch SKA-14 - Elevator Lobby Elevation

1. Revision to elevation 2/A1.28

Sketch SKA-15 - Partition Note Revision

1. Revision of Note from 1HR to 2 HR for wall partition

Sketch SKA-16 - Door and Frame Schedule

1. Revised storefront frame types 7 and 8/A6.02
2. Addition of FG-1

Sketch SKA-17 - Ground RCP

1. Addition of exit signs
2. Addition of exit sign
3. Remove exit sign
4. Addition of exit sign

Sketch SKA-18 - First RCP

1. Revision of ceiling
2. Addition of exit sign
3. Revision to ceiling

Sketch SKA-19 - Second RCP

1. Revision to ceiling
2. Addition of exit sign and revision to ceiling
3. Addition of exit sign and revision to ceiling
4. Addition of exit sign and revision to ceiling

Sketch SKA-20 - Pastoral Care Elevations

1. Addition of elevations 26 and 27/A8.11

Sketch SKA-21 – Fourth Floor Revision Plan

1. Add Ante Room Sliding Door

Sketch SKA-22 – Fourth Floor Revision Plan

1. Add Ante Room Sliding Door

Sketch SKA-23 – Fourth Floor Corridor Revision

1. Add Ante Room Sliding Door

Sketch SKA-24 – Fourth Floor Roof Plan – Core & Shell

1. Chimney/Window Revision

Sketch SKA-25 – Partial South Building Elevation

1. Added Control Joint

Sketch SKA-26 – Wall Sections

1. Detail Revision @ Foundation Wall

Sketch SKA-27 – Revision – Typical Hatch Detail

1. Deleted Ladder

Sketch SKA-28 – Window Schedule

1. Revised Window Elevations

B. HVAC

Sketch SKM-1 (H0.01)

1. Revised Air Handling Unit Schedule.
2. Revised Centrifugal Chiller Schedule.

Sketch SKM-2 (H1.00)

1. Revisions made to CFM's on Box Schedules.

Sketch SKM-3 (H1.01)

1. Revisions made to CFM's on Box Schedules.

Sketch SKM-4 (H1.02)

1. Revisions made to CFM's on Box Schedules.

Sketch SKM-5 (H1.03)

1. Revisions made to CFM's on Box Schedules.

Sketch SKM-6 (H2.01)

1. Revisions made to CFM's on Box Schedule.

Sketch SKM-7 (H2.03)

1. Revisions made to CFM's & GPM's on Box Schedule.
2. Revised thermostat control wiring.

Sketches SKM-8, SKM-9 & SKM-10 (H4.02)

1. Revised hot water supply and return at ground, First and Second Floor part plans.

Sketches SKM-11, SKM-12 (H5.03)

1. Added and revised details.

C. ELECTRICAL

Sketch SKE-1

- 1) Added manual override switch to site lighting control detail.

Sketch SKE-2

- 1) Added circuit numbers to panel designations.

Sketch SKE-3

- 1) Added circuit numbers to panel designations.

Sketch SKE-4

- 1) Added duplex receptacle for microwave.
- 2) Revised branch circuits.

Sketch SKE-5

- 1) Revised key note tags.
- 2) Revised branch circuits and EX-19 horsepower.

Sketch SKE-6

- 1) Added connections for nitrous oxide and nitrogen panel control circuits.
- 2) Revised branch circuits, AHU-3 and dearator horsepowers.

Sketch SKE-7

- 1) Revised branch circuits.

Sketch SKE-8

- 1) Revised branch circuits.

Sketch SKE-9

- 1) Revised branch circuits.

Sketch SKE-10

- 1) Revised branch circuits.

Sketch SKE-11

- 1) Revised circuit breaker and panel tags.

Sketch SKE-12

- 1) Revised branch circuits.

Sketch SKE-13

- 1) Revised Mechanical equipment horsepowers.

Sketch SKE-14

- 1) Added switches.
- 2) Revised switching and branch circuit wiring.

Sketch SKE-15

- 1) Added switches and revised branch circuit wiring.

Sketch SKE-16

- 1) Revised branch circuit wiring and added switch legs to fixtures.

Sketch SKE-17

- 1) Added missing fixtures and revised branch circuit wiring in OR #5.

Sketch SKE-18

- 1) Revised branch circuit wiring.

Sketch SKE-19

- 1) Revised branch circuit wiring.

Sketch SKE-20

- 1) Revised lighting in alcoves, branch circuit wiring and corrected fixture types.

Sketch SKE-21

- 1) Provided fused switch for future Electrical service for Maintenance Building.
- 2) Provided a feeder from Maintenance Building to Panel DP4G4 in Ground Floor of Hospital.

Sketch SKE-22

- 1) Revised panelboard circuit breakers.

Sketch SKE-23

- 1) Revised panelboard circuit breakers and Exhaust Fan horsepower.

Sketch SKE-24

- 1) Revised circuit breaker for ice maker per Kitchen Equipment consultant.

End of Addendum # 2

SECTION 08332 – ROLLING FIRE DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. All of the Contract Documents, including General and Supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.

1.2 SUMMARY

- A. The work of this Section includes rolling fire doors.

1.3 SUBMITTALS

- A. **Product Data:** Submit manufacturer's product data and installation instructions for each type of rolling fire door. Include both published data and any specific data prepared for this project.
- B. **Shop Drawings:** Submit shop drawings for approval prior to fabrication. Include detailed plans, elevations, and details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.

1.4 QUALITY ASSURANCE

- A. **Manufacturer:** Rolling fire doors shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of rolling fire doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified, and include a list of five projects of similar design and complexity completed within the past five years.
- B. **Installer:** Installation of rolling fire doors shall be performed by an authorized representative of the manufacturer.
- C. **Single-Source Responsibility:** Provide doors, guides, motors, and related primary components from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacture of primary components.
- D. **Pre-Installation Conference:** Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

1.5 DELIVERY, STORAGE and HANDLING

- A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. Provide rolling fire doors by Overhead Door Corporation, Pennsylvania Division; Telephone 800-929-2553 or 717-248-0131; Fax 800-929-1274.

2.2 ROLLING FIRE DOORS

- A. Basis of Design Product: Series 631 Fire Doors by Overhead Door Corporation or approved equal.
- B. Label: Provide fire doors certified with the following listing.
 - 1. Rolling fire doors up to 144 sq. ft. and 12' in width or height shall bear the UL 1-1/2 Hour Class B Label for masonry fire walls.
- C. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.
 - 1. Flat profile type F-265 for doors thru 14'-0" wide, fabricated of 24 gauge galvanized steel.
- D. Glazing: Not required.
- E. Finish:
 - 1. Galvanized Steel: Slats and hood shall be galvanized steel in accordance with ASTM A 525 and receive rust-inhibitive, roll coating process, including bonderizing, 0.2 mils thick baked-on primer paint, and 0.6 mils thick baked-on polyester (powder coated) top coat. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer.
- F. Color: Gray polyester top coat. (Powder coating finish in color as selected by Architect from manufacturer's standard colors).
- G. Bottom Bar: Two (galvanized) structural steel angles 1-1/2" by 1-1/2" by 1/8" minimum. (Single angle for conveyer applications).
- H. Guides: Roll-formed steel shapes attached to continuous steel wall angle for doors thru 12' wide. Three structural steel angles with minimum thickness of 3/16" for doors over 12' wide.
 - 1. Fastening Guides to Masonry Fire Walls: UL listed expansion anchors, or by through-bolts on soft brick or hollow block walls, or by bolts on steel jambs, or welded in accordance with manufacturer's listing.
- I. Brackets: Steel plate to support counterbalance, curtain and hood.

- J. Counterbalance: Helical torsion spring type. Counterbalance shall be housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03” per foot of span.
 - 1. Counterbalance shall be adjustable by means of an adjusting tension wheel.
- K. Hood: 24-gauge galvanized primed steel. Provide one intermediate support bracket for wall openings over 13’6” wide.
- L. Manual Operation: Chain hoist.
- M. Automatic Closure:
 - 1. Provide automatic-closing device that is inoperative during normal door operations, with [oscillating] [viscous-speed] governor unit complying with requirements of NFPA 80 and with an easily tested and reset release mechanism, and designed to be activated by the following:
 - a. Replaceable fusible links with temperature rise and melting point of 165 deg F interconnected and mounted on both sides of door opening.
- N. Locking: Interior bottom bar slide bolt.
- O. Wall Mounting Condition: Face-of-wall mounting.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Take field dimensions and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Strictly comply with manufacturer’s installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- B. Install rolling fire doors in compliance with requirements of NFPA 80. Test fire-release system and reset components after testing.
- C. Instruct Owner’s personnel in proper operating procedures and maintenance schedule.

3.3 ADJUSTING AND CLEANING

- A. Test rolling fire doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.

- B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

END OF SECTION 08332

SCHEDULE OF SPECIAL INSPECTIONS

MERCY HOSPITAL - FORE RIVER CAMPUS

MATERIAL/ACTIVITY		ITEM	SERVICE	APPLICABLE TO THIS PROJECT		AGENT #
				EXTENT	COMMENTS	
				(All, Sample, Other, None)		
SECTION 1 - STEEL CONSTRUCTION (IBC 2003)						
STRUCTURAL STEEL - Fabrication						
<p>NOTE: SER may waive Fabricator shop inspection if Fabricator is currently certified through the AISC Quality Certification Program.</p> <p>If shop inspection is waived, the Fabricator shall submit a letter certifying that the fabricated steel complies with the contract documents.</p>	1.1a	Review Fabricator QA/QC procedures manual.	One shop inspection required.			
	1.1b	Review Fabricator QA/QC procedures implementation and conformance.	One shop inspection required. Visual inspection of shop conformance.			
	1.1c	Review material certificates of compliance (bolts, nuts, washers, structural steel and weld filler material).	Verify that certificates of compliance have been approved.			
	1.1d	Review welder certification.	Obtain certification numbers for all welders and all steel. Verify welder qualification in accordance with AWS D1.1.			
	1.1e	Review shop drawings.	Verify approval.			
	1.1f	Inspect welded connections.	Verify correct weld filler processes and weld rod storage. Provide continuous inspection of complete and partial penetration groove welds and for fillet welds greater than 5/16". Periodically inspect fillet welds equal to or less than 5/16". Visually inspect all welds.	Inspector shall be qualified according to AWS D1.1.		
	1.1g	Inspect bolted connections.	During installation, verify bolts, nuts, washers, paint, bolted parts and installation and tightening procedures are in compliance with referenced standards. Periodically inspect the installation of snug-tightened connections. Verify that all piles of all snug-tightened connections are drawn together. At pretensioned bolted connections, observe the pre-installation testing and calibration procedures when such procedures are required for the installation method. Provide continuous monitoring for pretensioned connections utilizing calibrated wrench method or turn of the nut method without matchmarking. Provide periodic monitoring of pretensioned bolted connections utilizing the turn of the nut method with matchmarking techniques, the direct tension indicator method, or the twist-off bolt method.			
	1.1h	Review structural steel and fabrication for conformance to approved shop drawings.	Verify member sizes, piece marks and connection details match approved shop drawings. Visually inspect bolts and welds.			
	1.1i	Review Certificate of Compliance.	Verify submission of certificate of compliance that fabricated material complies with contract documents.			

MATERIAL/ACTIVITY		ITEM	SERVICE	APPLICABLE TO THIS PROJECT		AGENT #
				EXTENT	COMMENTS	
				(All, Sample, Other, None)		
STRUCTURAL STEEL - Erections		1.2a	Review welder certification.	Obtain certification numbers for all welders and all steel. Verify welder qualification in accordance with AWS D1.1		
		1.2b	Review materials certificates of compliance (bolts, nuts, washers, and weld filler material).	Verify that certificates of compliance have been approved.		
		1.2c	Review structural steel and erection for conformance to approved shop drawings	Verify all member sizes, piece marks and connection details.		
		1.2d	Inspect welded connections.	Verify correct weld filler processes and weld rod storage. Provide continuous inspection of complete and partial penetration groove welds and for fillet welds greater than 5/16". Periodically inspect fillet welds equal to or less than 5/16". Visually inspect all welds.	Inspector shall be qualified according to AWS D1.1	
		1.2e	Inspect field bolting installation in accordance with Section 9 of RCSC Specification for Structural Joints Using ASTM A325 or A490 Bolts.	Visually inspect all bolts. During installation, verify bolts, nuts, washers, paint, bolted parts and installation and tightening procedures are in compliance with referenced standards. Periodically inspect the installation of snug-tightened connections. Verify that all piles of all snug-tightened connections are drawn together. At pretensioned bolted connections, observe the pre-installation testing and calibration procedures when such procedures are required for the installation method. Provide continuous monitoring for pretensioned connections utilizing calibrated wrench method or turn of the nut method without matchmarking. Provide periodic monitoring of pretensioned bolted connections utilizing the turn of the nut method, or the twist-off bolt method.		
STEEL STAIRS AND GUARDRAILS NOTE: special inspector may waive Fabricator shop inspection if the fabricator is currently certified through the AISC Quality Certification program.		1.2f	Review Bracing connections.	Visually inspect all.		
		1.2g	Review Column splices.	Visually inspect all.		
		1.2h	Review shear connections	Visually inspect all.		
		1.5a	Review Fabricator QA/QC Procedures manual.	Special Inspector to review.		
		1.5b	Review Fabricator QA/QC procedures implementation and conformance.	One shop inspection required. Visual inspection of shop conformance.		
		1.5c	Review welder certifications.	Verify welder qualification in accordance with AWS D1.1. Obtain certification numbers for all welders.		
		1.5d	Review shop drawings.	Verify approval		
		1.5e	Inspect welded connections.	Perform continuous inspection of complete and partial penetration groove welds and fillet welds larger than 5/16". Perform periodic inspection of fillet welds 5/16" and smaller. Visually inspect all welds after completion.		
		1.5f	Inspect bolted connections utilizing high-strength bolts.	Periodically inspect installation of high-strength bolts. Verify that all piles of all connections are drawn together.		

SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	ITEM	SERVICE	EXTENT (All, Sample, Other, None)	APPLICABLE TO THIS PROJECT	COMMENTS	AGENT #
Steel Stairs and Guardrail Systems - Erection	1.6a	Review welder certification.	Verify welder qualification in accordance with AWS D1.1. Obtain certification numbers for all welders.			
	1.6b	Inspect welded connections.	Perform continuous inspection of complete and partial penetration groove welds and fillet welds larger than 5/16". Perform periodic inspection of installation of fillet welds 5/16" and smaller. Visually inspect all welds after completion.			
	1.6c	Inspect bolted connections utilizing high-strength bolts.	Periodically inspect installation of high strength bolts. Verify that all plies are drawn together.			
	1.6d	Inspect installation.	Perform periodic inspection in progress and complete inspection at completion verifying all members and connections conform with the contract documents and approved shop drawings.			
	1.7a	Review girts connections.	Visually inspect all.			
	1.7b	Review welder certification.	Obtain certification numbers for all welders.			
	1.7c	Review brick relieving angle connections/installation.	Visually inspect all. Verify member size and connections to structure.			
SECONDARY / MISC STRUCTURAL STEEL	1.7d	Review details of steel frames.	Visually inspect all.			
	1.7e	Inspect bolted connections utilizing high-strength bolts.	Periodically inspect installation of high-strength bolts. Verify that all plies of all connections are drawn together.			
	1.7f	Review fabrication for conformance with approved shop drawings.	Verify member sizes, piece marks, and connection details match approved shop drawings.			
	1.8a	Review steel deck shop drawings.	Verify approval.			
	1.8b	Review welder certification.	Verify welder qualification in accordance with AWS D1.1. Obtain certification numbers of all welders.			
	1.8c	Verify number, type, and location of steel deck connection to framing and side lap fasteners.	Visually inspect all. Verify welds comply with AWS D1.3 requirements.			
	1.8d	Inspect installation of shear connectors.	Prior to starting, verify materials and weld processes are in compliance with AWS requirements and construction documents. Periodically inspect shear connector installation. Inspect soundness of all welds. Verify number and location of all. Random test 20% of all connectors in accordance with AWS Chapter 5.			
SECTION 2 - CONCRETE CONSTRUCTION (IBC 2003 - 1704.4)						
CONCRETE MATERIALS	2.1a	Review mix design.	Verify approval of all mixes intended for use.			
	2.1b	Review reinforcement grade.	Inspect identifying marks on reinforcing steel.			
	2.1c	Review submittals.	Verify acceptance of propriety products and reinforcing steel shop drawings. Review requirements of reinforcing steel on placement drawings.			
REINFORCING AND PRESTRESSING STEEL	2.2a	Inspect condition and placement of reinforcing steel.	All reinforcing steel at walls, spread footings, columns and beams and column piers. Check prior to each concrete placement.			

SCHEDULE OF SPECIAL INSPECTIONS

MERCY HOSPITAL - FORE RIVER CAMPUS

MATERIAL/ACTIVITY		ITEM	SERVICE	APPLICABLE TO THIS PROJECT		AGENT #
				EXTENT	COMMENTS	
				(All, Sample, Other, None)		
ANCHOR BOLTS		2.2b	Inspect bolt types, verify bolts embedment for compliance with contract documents.	Visually inspect at all steel column locations.		
FORAWORK		2.3a	Verify acceptability of substrate.	Prior to each concrete placement.		
		2.3b	Verify dimensions and materials acceptability.	Prior to each concrete placement.		
EMBEDMENTS		2.4a	Inspect installation of anchor bolts, masonry dowels and other embedded items.	Inspect for each concrete placement.		
CONCRETE OPERATIONS		2.5a	Field testing of concrete slump, temperature, and air content.	All concrete placements.		
		2.5b	Take concrete cylinder samples and perform compressive strength test.	All concrete placements.		
		2.5c	Observe concrete placement.	Inspect placement procedures at all concrete placements.		
		2.5d	Observe concrete curing technique and temperature.	Once daily when air temperature is above 32°F. Twice daily when temperature is below 32°F.		
ELEVATED CONCRETE		2.9a	Inspect placement of elevated concrete for compliance with contract documents.	Visually inspect all placement and curing.		
SECTION 3 - MASONRY CONSTRUCTION (IBC 2003 - 1704.5)						
REINFORCED MASONRY AND MASONRY VENEER		3.1a	Review submittals.	Verify approval of mortar mixes, mortar ingredients, reinforcing, steel shop drawings, veneer anchor assemblies, and other items requiring SER approval per the Construction Documents.		
		3.1b	Inspect mixing of site-prepared mortar.	Periodically verify mix proportions for compliance with approved mix.		
		3.1c	Inspect mortar placement.	Periodically inspect.		
		3.1d	Inspect installation of veneer anchors.	Periodically inspect material, location, and attachment of veneer anchors.		
		3.1e	Inspect deformed bar reinforcement.	Periodically inspect reinforcement grade size, location of placement, method of securing in place, and lap splices during installation and prior to grout placement.		
		3.1f	Inspect joint reinforcement.	Verify product installed complies with approved submittal. Periodically check spacing and additional requirements at openings.		
		3.1g	Inspect size and location of structural elements.	Verify member sizes and layout of all structural members.		
		3.1h	Inspect cold weather and hot weather installation.	Inspect procedures daily when air temperature is below 40 degrees F or above 90 degrees F at any time in the day.		
		3.1i	Inspect grout placement.	Periodically inspect grout spaces prior to grout placement. Periodically inspect grout mixing and placement.		
		3.1j	Field testing of mortar, grout, and prisms.	Perform construction testing in accordance with the Contract Documents.		

SCHEDULE OF SPECIAL INSPECTIONS

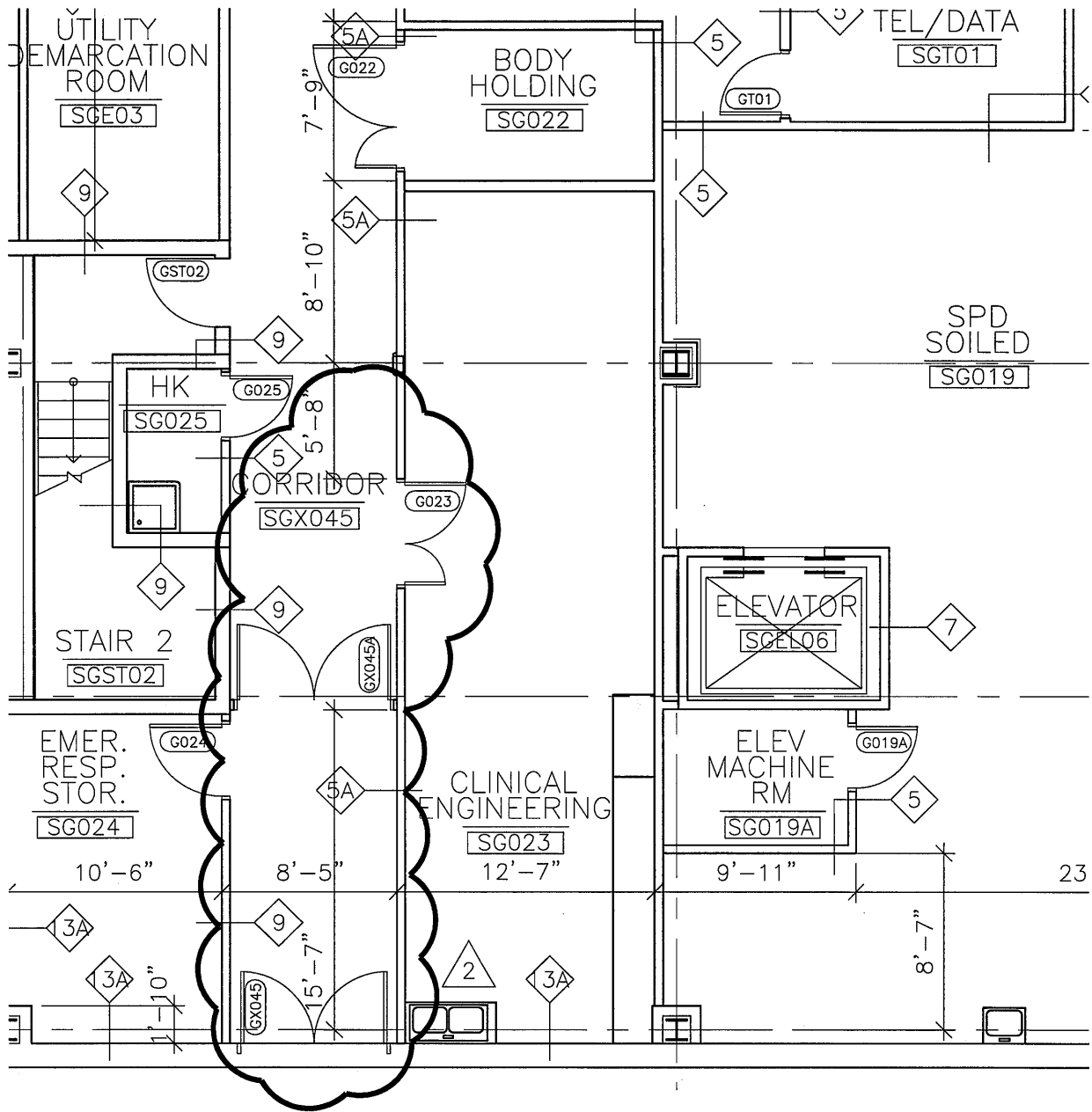
MERCY HOSPITAL - FORE RIVER CAMPUS

MATERIAL/ACTIVITY	ITEM	SERVICE	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #
SECTION 5 - SOILS (IBC 2003 - 1704.7)					
SOILS	5.1a	inspect site preparation and soil conditions prior to placement of fill under building footprint.			
	5.1b	inspect testing and placement of fill material for conformance with contract documents and soils report.		Required for all fill more than 12" deep.	
	5.1c	Review soils compaction testing for compliance with contract documents and soils report.		See contract documents for testing frequency.	
SECTION 7 - SPRAYED-FIRE-RESISTANT MATERIALS (IBC 2003 - 1704.11)					
SPRAYED-ON FIREPROOFING	7.1a	Inspect surface of structural members to be sprayed for conformance with contract documents.		Visually inspect all.	
	7.1b	Observed application conditions for conformance with the approved manufacturer's written instructions.		At each fireproofing application.	
	7.1c	Observe field-testing of thickness, density, and bond strength of the sprayed fire resistive material for compliance with contract documents.		As specified in IBC 2003, Section 1704.11.3 and 4.	
SECTION 8 - EIFS (IBC 2003 - 1704.12)					
EIFS Special inspections are not required for EIFS applications installed over a water-resistive barrier with a means of draining moisture to the exterior.	8.1a	Inspect EIFS installation		Visually inspect all.	
	9.1a 9.1b				
SECTION 9 - SPECIAL CASES (IBC 2003 1704.13)					
SECTION 10 - SMOKE CONTROL (IBC 2003 - 1704.14)					
SMOKE CONTROL	10.1a	Test scope shall be as follows: 1. During erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device location. 2. Prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurements and detection and control verification.		To be coordinated by the project mechanical engineer.	
				Special inspection agencies for smoke control shall have expertise in fire protection engineering, mechanical engineering and certification as air balancers.	

SCHEDULE OF SPECIAL INSPECTIONS

MERCY HOSPITAL - FORE RIVER CAMPUS

MATERIAL/ACTIVITY	ITEM	SERVICE	EXTENT (All, Sample, Other, None)	APPLICABLE TO THIS PROJECT	COMMENTS	AGENT #
MEP	11.a	SECTION 11 - QUALITY ASSURANCE OF SEISMIC RESISTANCE (BC 2003 - 1705)	Quality assurance plan for seismic requirements shall be provided in accordance with Sections 1705, 1707.7 and 1708.5.		To be coordinated by the project MEP engineers.	



1
SKA-7

GROUND FLOOR PLAN
1/8"=1'-0"

Francis
Cauffman
Foley
Hoffmann

Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title
Ground Floor Plan

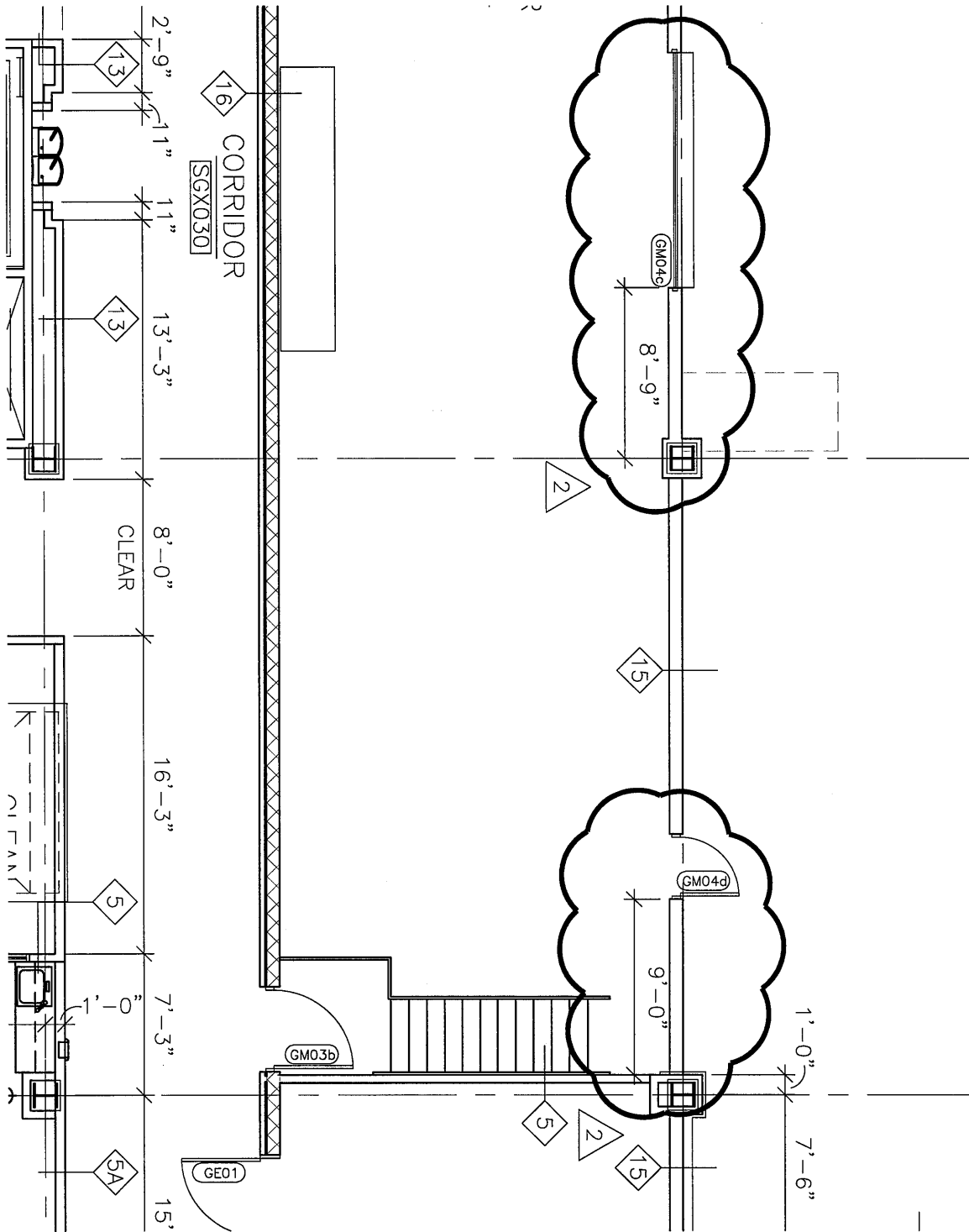
Revisions
ADDENDUM #2
Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-7
Revision To:
A1.00A, A1.00B
Project No.
F05-4898
Drawn By
EWG

2120 Arch Street
Philadelphia, PA 19103
215-568-8250

1
SKA-8

GROUND FLOOR PLAN
1/8"=1'-0"



Francis
Cauffman
Foley
Hoffmann

2120 Arch Street
Philadelphia, PA 19103
215-568-8250

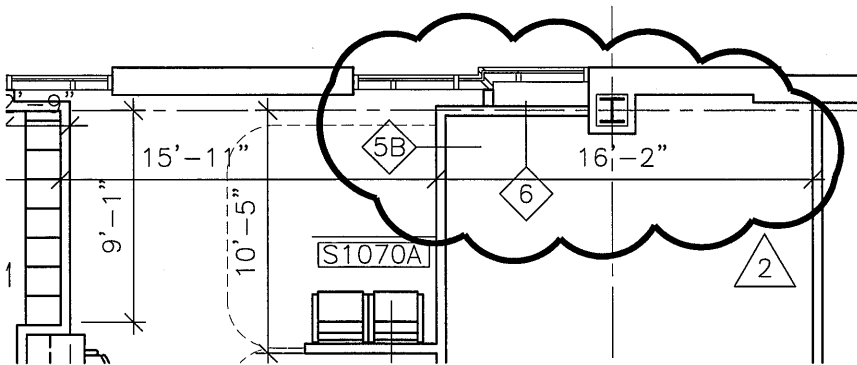
Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



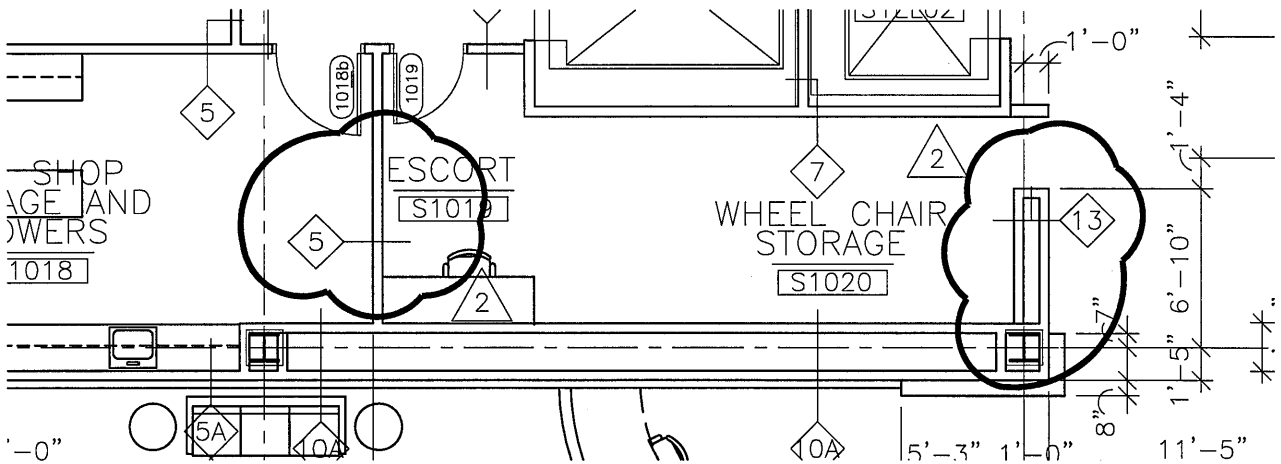
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Revisions
ADDENDUM #2
Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-8
Revision To:
A1.00A, A1.00B
Project No.
F05-4898
Drawn By
EWG



1 FIRST FLOOR PLAN
 SKA-9 1/8"=1'-0"



2 FIRST FLOOR PLAN
 SKA-9 1/8"=1'-0"

Francis
 Cauffman
 Foley
 Hoffmann

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 Philadelphia, PA 19103
 215-568-8250

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

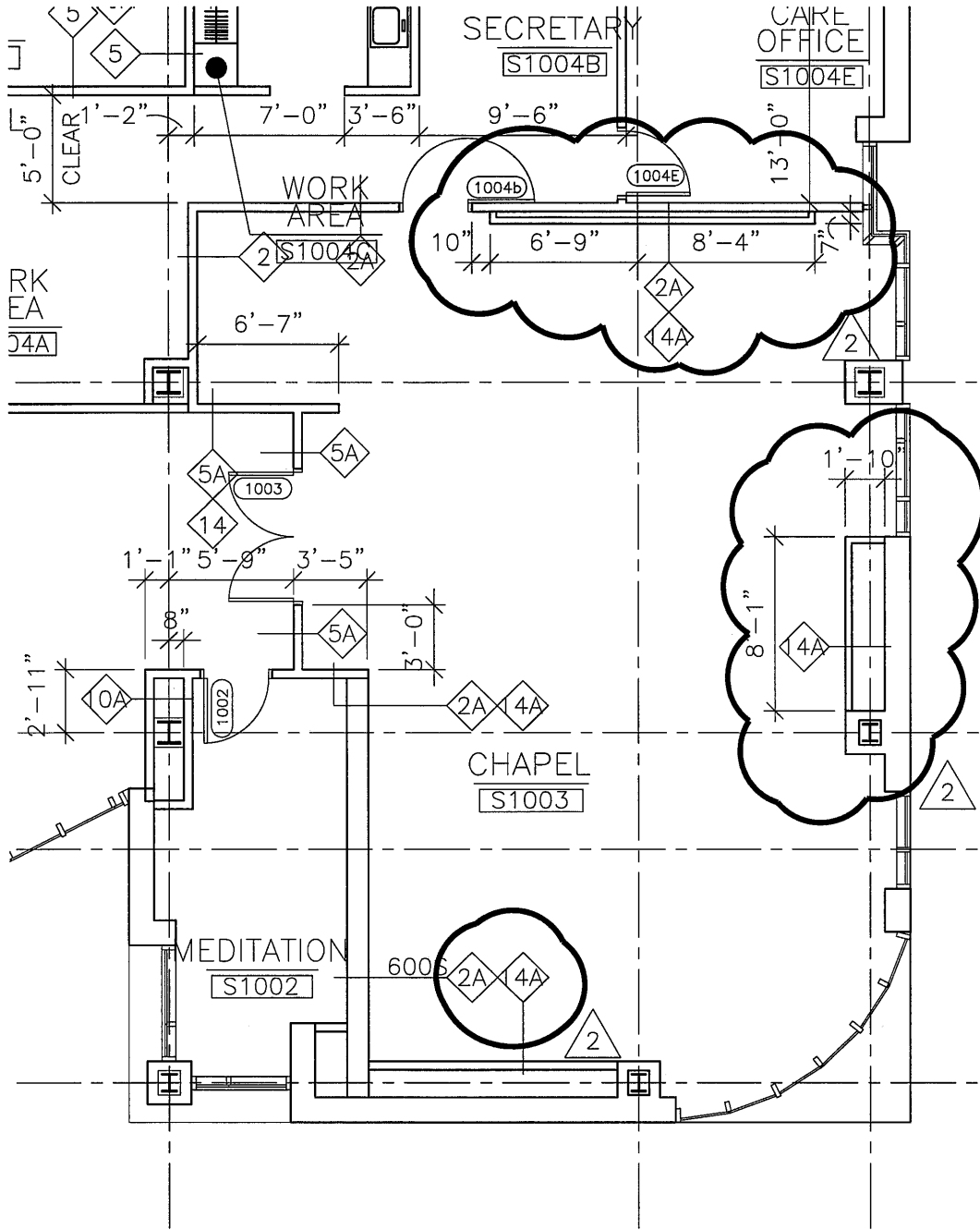


Drawing Title
 First Floor Plan-
 Partition revision

Revisions
 ADDENDUM #2

Date
 12.06.06
 Scale
 AS NOTED

Drawing No.
 SKA-9
 Revision To:
 A1.01A, A1.01B
 Project No.
 F05-4898
 Drawn By
 EWG



1 FIRST FLOOR PLAN
 SKA-10 1/8"=1'-0"

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 Hoffmann

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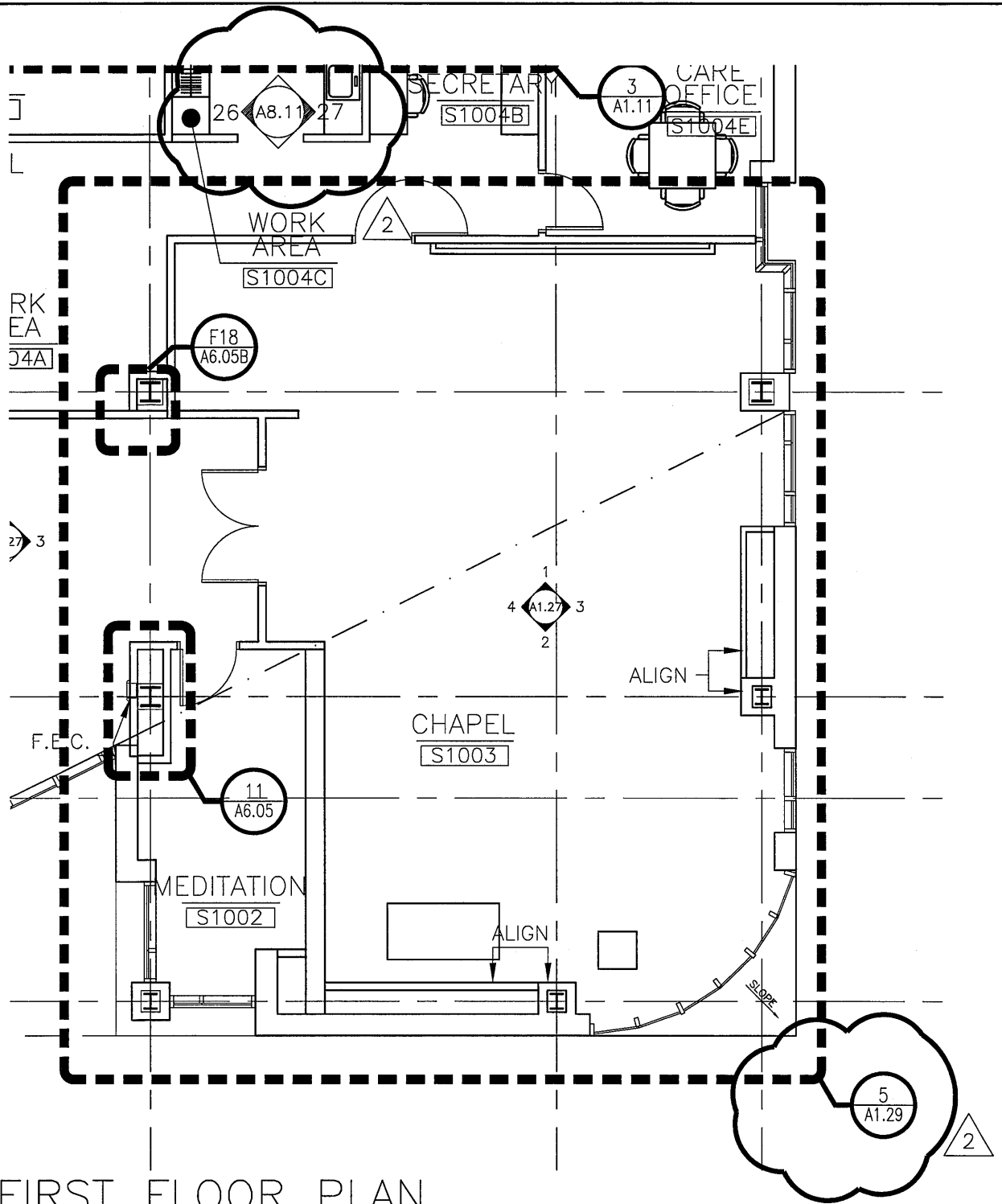
Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 First Floor Plan-
 Partition revision

Revisions
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 12.06.06
 Scale
 AS NOTED

Drawing No.
 SKA-10
 Revision To:
 A1.01A, A1.01B
 Project No.
 F05-4898
 Drawn By
 EWG



1
SKA-11

FIRST FLOOR PLAN

1/8"=1'-0"

Francis
Cauffman
Foley
Hoffmann

2120 Arch Street
Philadelphia, PA 19103
215-568-8250

Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL

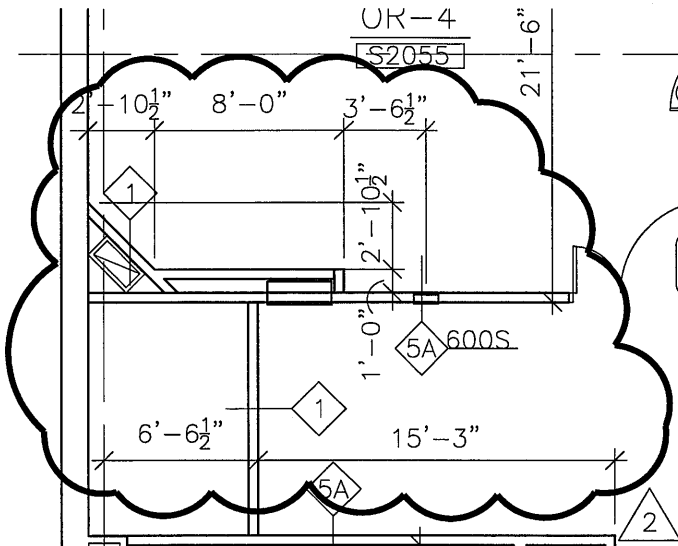


Drawing Title
First Floor Plan—
Detail Bubble and Elevation Tag

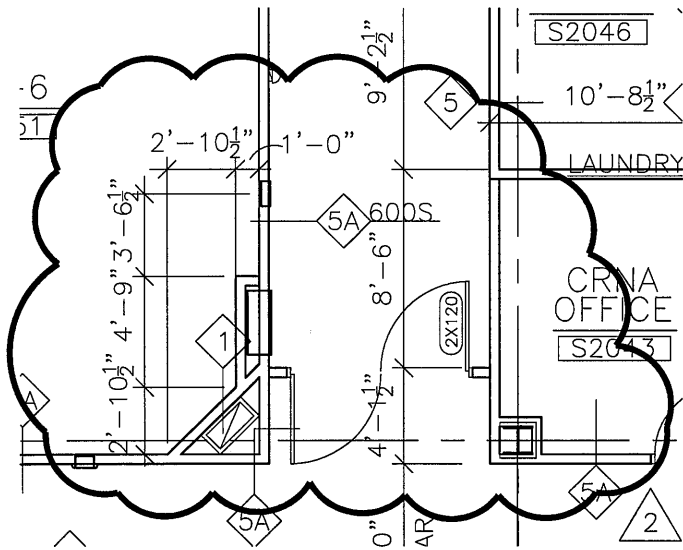
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△ ADDENDUM #2

Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-11
Revision To:
A1.01B
Project No.
F05-4898
Drawn By
EWG



1 SECOND FLOOR PLAN
 SKA-12 1/8"=1'-0"




2 SECOND FLOOR PLAN
 SKA-12 1/8"=1'-0"

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Cauffman
Foley
Hoffmann

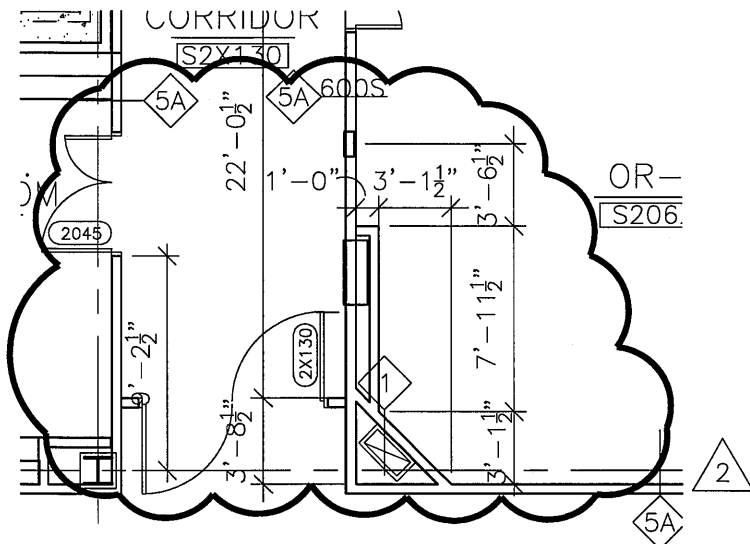
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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

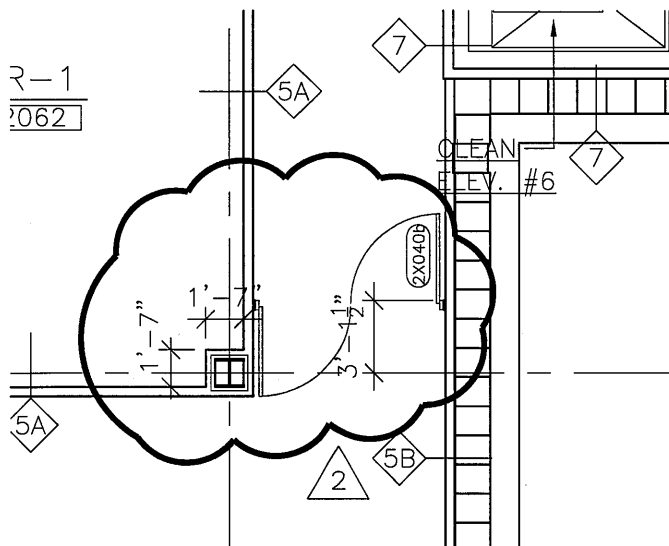
 **MERCY**

Drawing Title
 Second Floor Plan--
 Dimension, wall and door revisions

Revisions	Drawing No.
△ADDENDUM #2	SKA-12
	Revision To:
	A1.02A, A1.02B
Date	Project No.
12.06.06	F05-4898
Scale	Drawn By
AS NOTED	EWG



1 SECOND FLOOR PLAN
 SKA-13 1/8"=1'-0"



2 SECOND FLOOR PLAN
 SKA-13 1/8"=1'-0"

Francis
 Cauffman
 Foley
 Hoffmann

2120 Arch Street
 Philadelphia, PA 19103
 215-568-8250

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 Second Floor Plan—
 Dimension, wall and door revisions

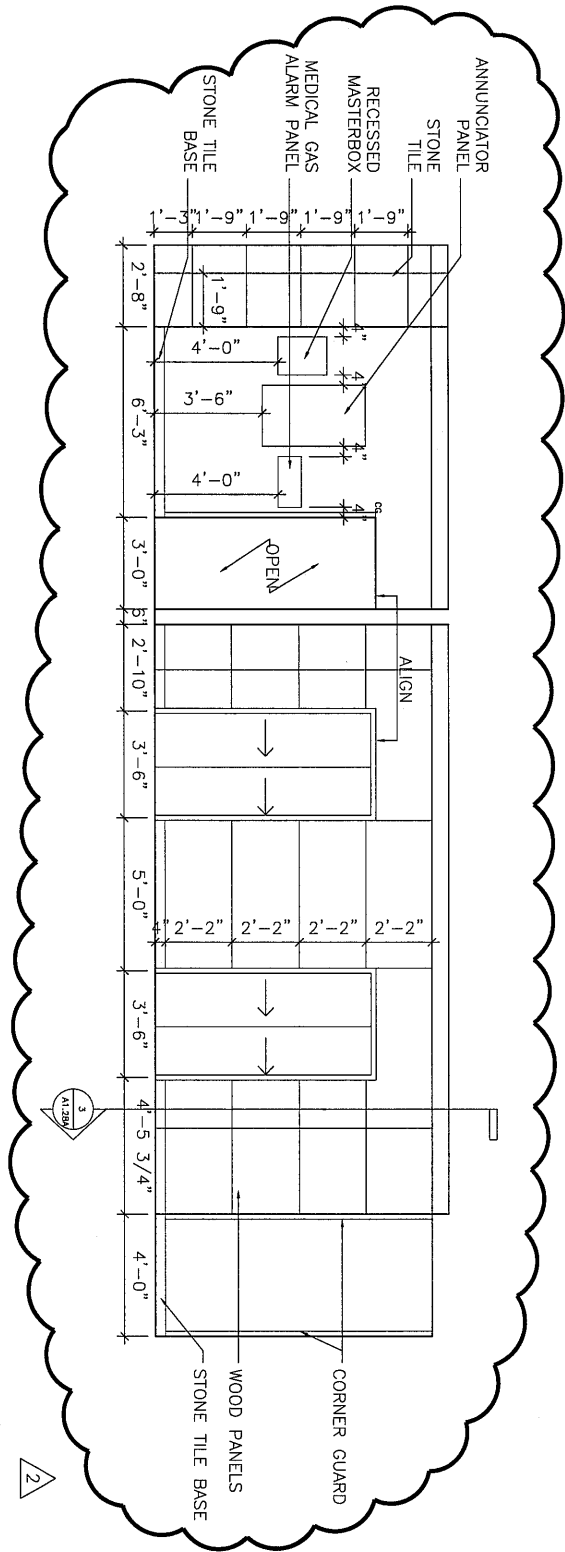
Revisions
 ADDENDUM #2

Date
 12.06.06
 Scale
 AS NOTED

Drawing No.
SKA-13
 Revision To:
 A1.02A, A1.02B
 Project No.
 F05-4898
 Drawn By
 EWG

1
SKA-14

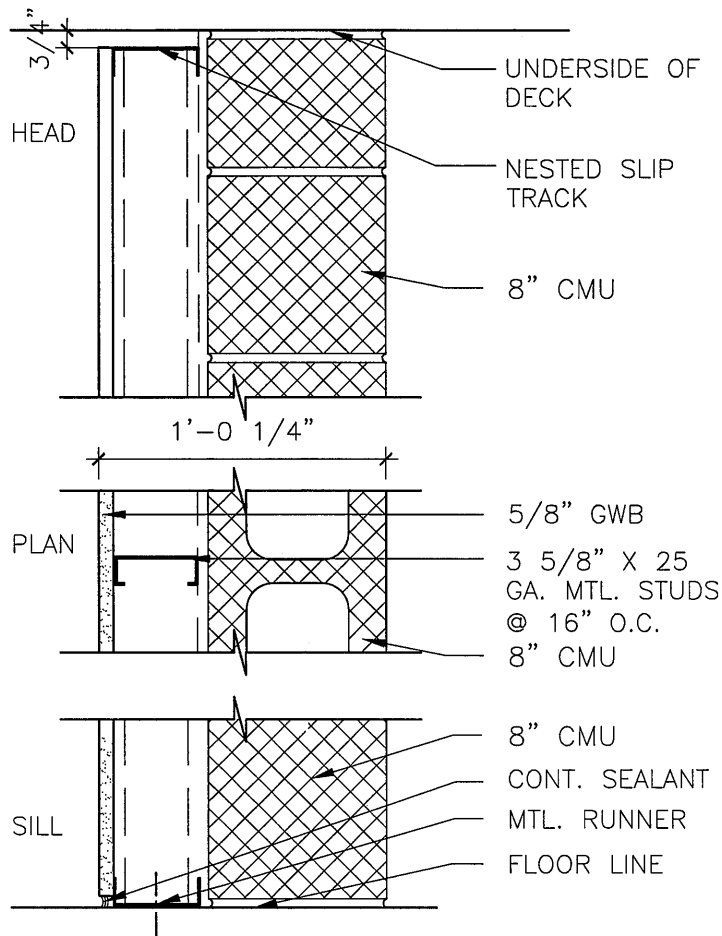
ELEVATOR LOBBY ELEVATION
1/4" = 1'-0"



Francis
Cauffman
Foley
Hoffmann
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Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL
MERCY
Drawing Title
Elevator Lobby Elevation Revision

Revisions
ADDENDUM #2
Drawing No.
SKA-14
Revision To:
2/A1.28
Project No.
F05-4898
Date
12.06.06
Scale
AS NOTED
Drawn By
EWG



16 8" CMU WALL WITH 3 5/8" STUDS
5/8" GWB 2 HOUR FIRE RESISTANCE
RATING UL DESIGN NO U906 (MIN
2HR PROVIDED)

16A AS SMOKE PARTITION

16B AS SMOKE BARRIER

2

1
SKA-15

PARTITION SCHEDULE

1 1/2"=1'-0"

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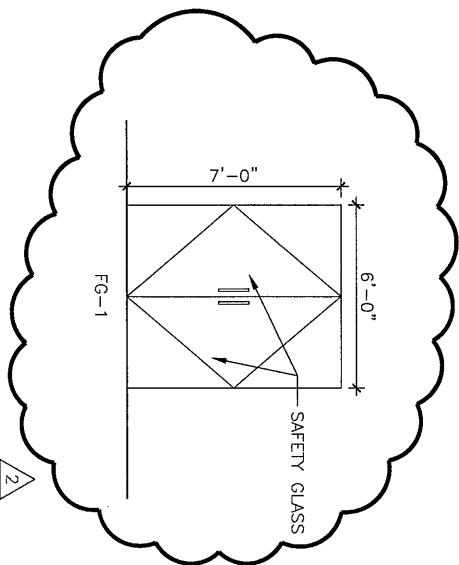
Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title
Partition Schedule--
Note Revision

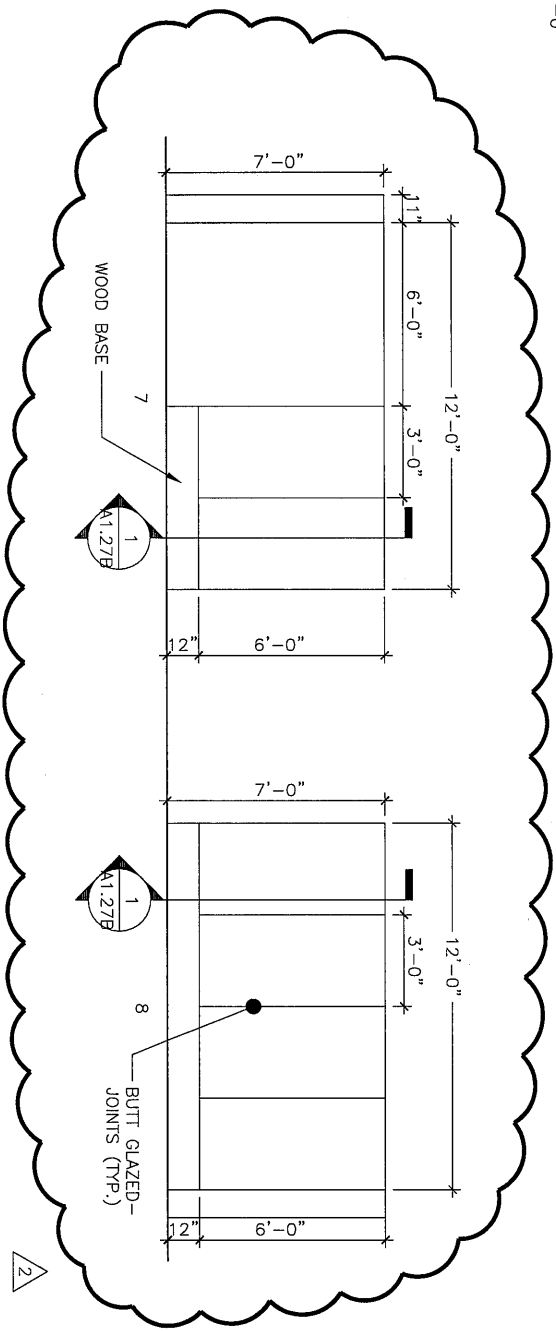
Revisions
ADDENDUM #2
Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-15
Revision To:
A6.01
Project No.
F05-4898
Drawn By
EWG



1
SKA-16

GIFT SHOP DOORS
1/4"=1'-0"



2
SKA-16

GIFT SHOP BORROWED LIGHTS
1/4"=1'-0"

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Cauffman
Foley
Hoffmann

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Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
Door and Borrowed Lights Schedule

Revision

Revisions
ADDENDUM #2

Drawing No.
SKA-16

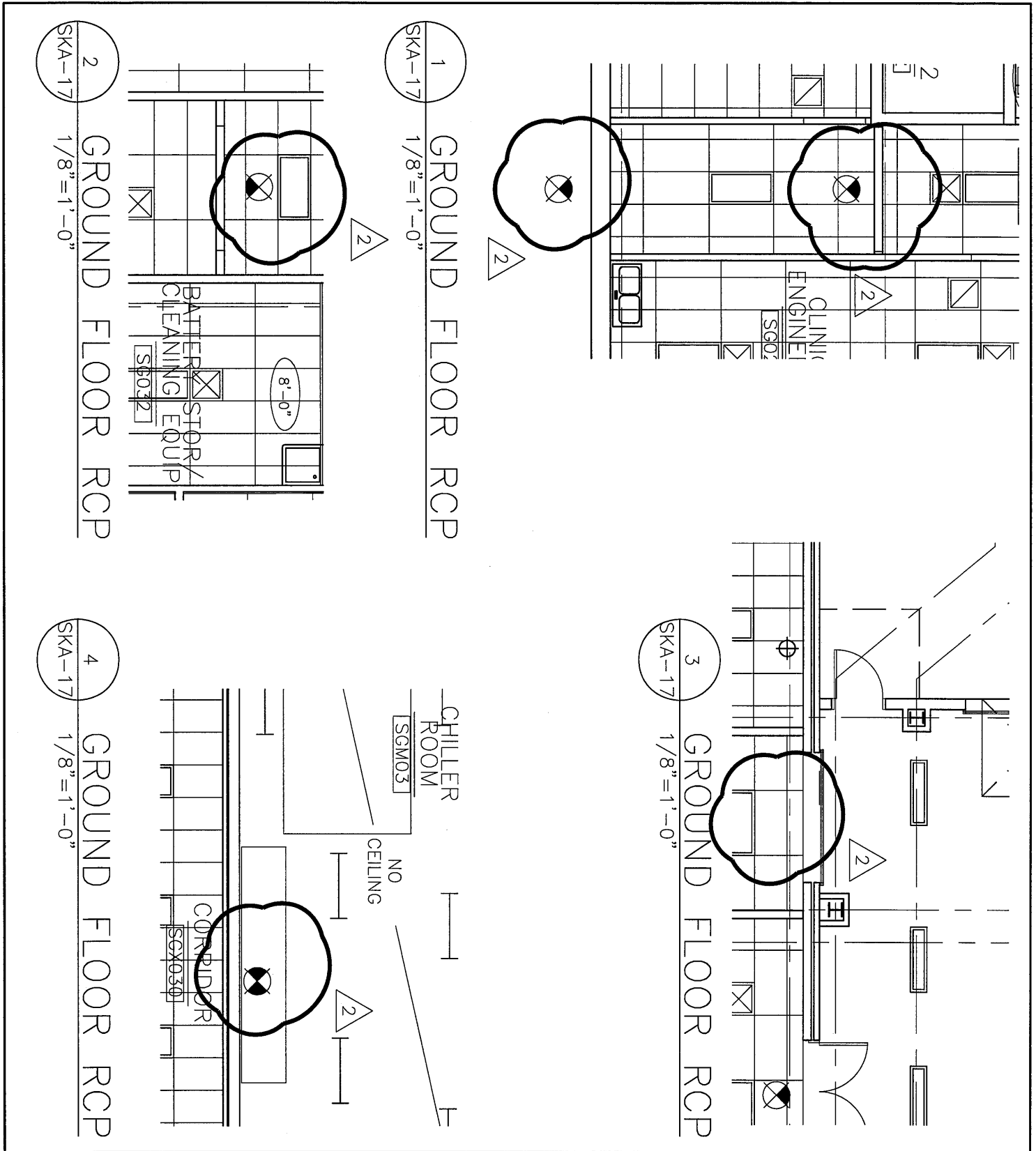
Revision To:
A6.02

Date
12.06.06

Project No.
F05-4898

Scale
AS NOTED

Drawn By
EWG



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Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title
Ground Floor RCP Revisions
Add and remove exit signs

Revision To:
ADDENDUM #2 SKA-17

Revision To:
A5.00

Date
12.06.06

Project No.
F05-4898

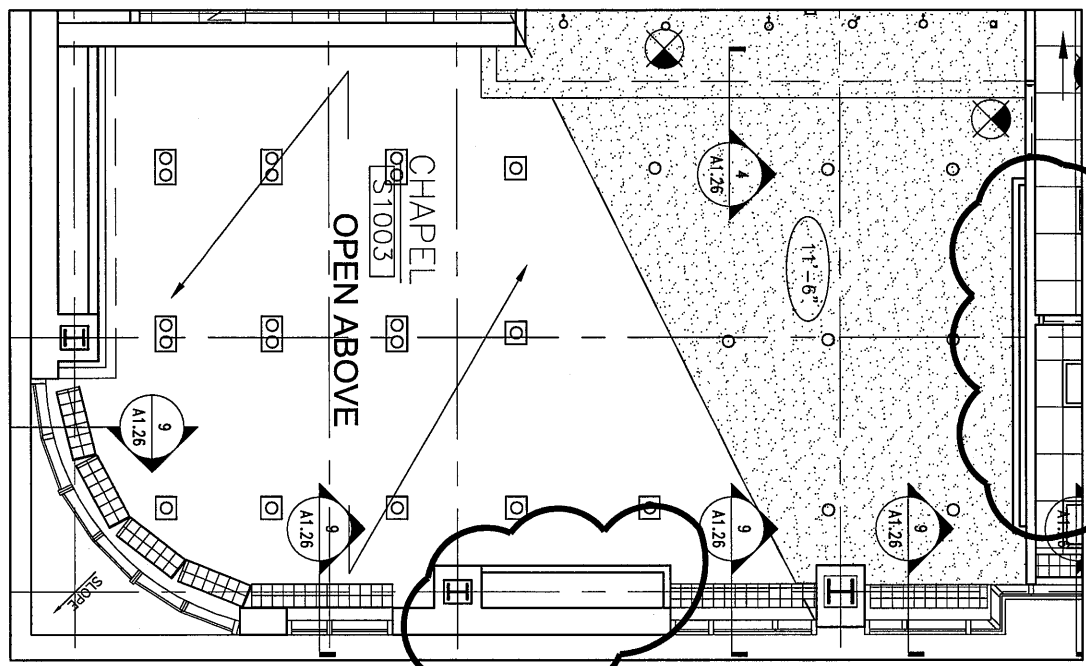
Scale
AS NOTED

Drawn By
EWG

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Philadelphia, PA 19103
215-568-8250

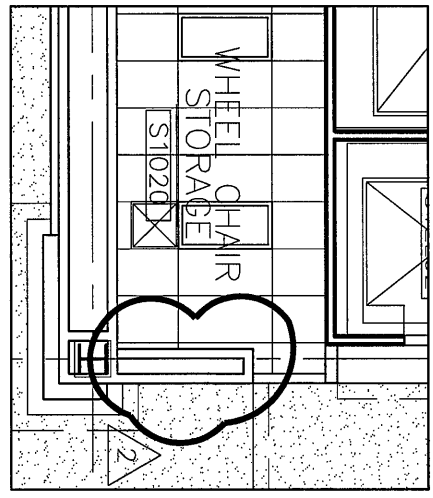
1
SKA-18

FIRST FLOOR RCP
1/8"=1'-0"



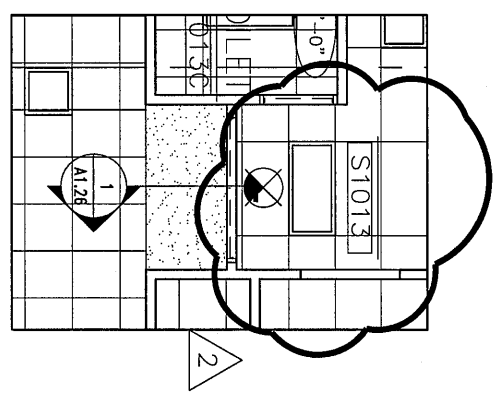
3
SKA-18

FIRST FLOOR RCP
1/8"=1'-0"



2
SKA-18

FIRST FLOOR RCP
1/8"=1'-0"



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 Foley
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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

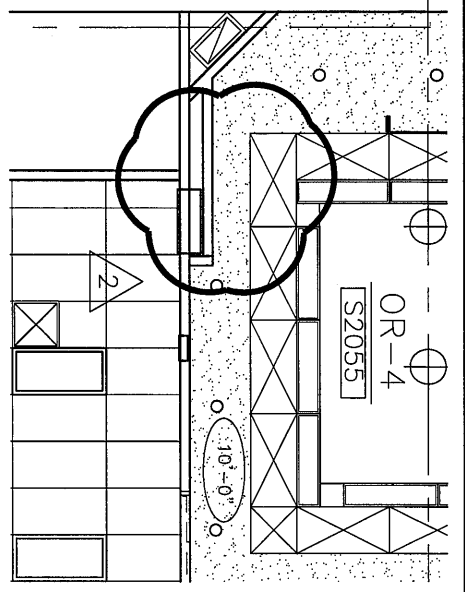


Drawing Title
 Addition of Exit Sign, Addition of Walls in Chapel,
 and Revision of Wall in Storage area

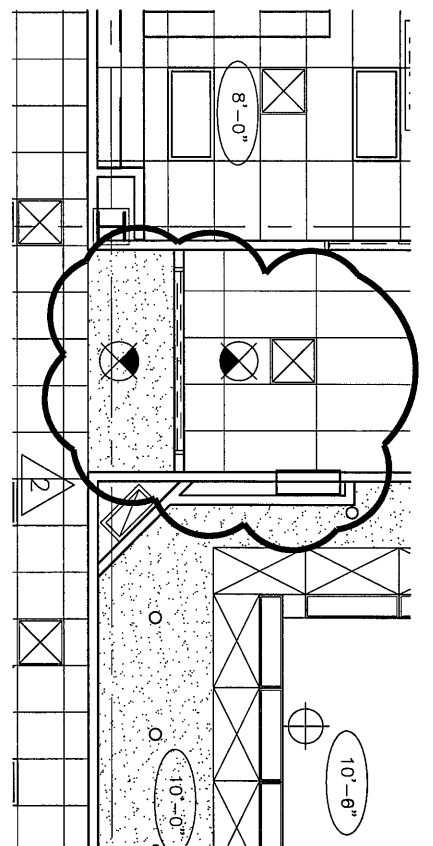
Revision To: Drawing No.
 ADDENDUM #2 SKA-18

Date: 12.06.06
 Project No. F05-4898

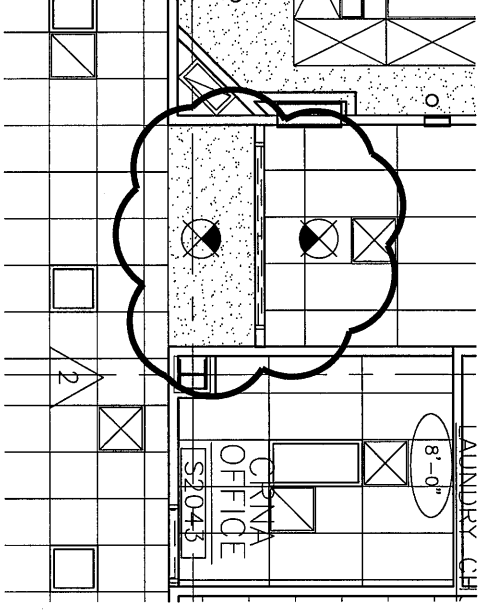
Scale: AS NOTED
 Drawn By: EWG



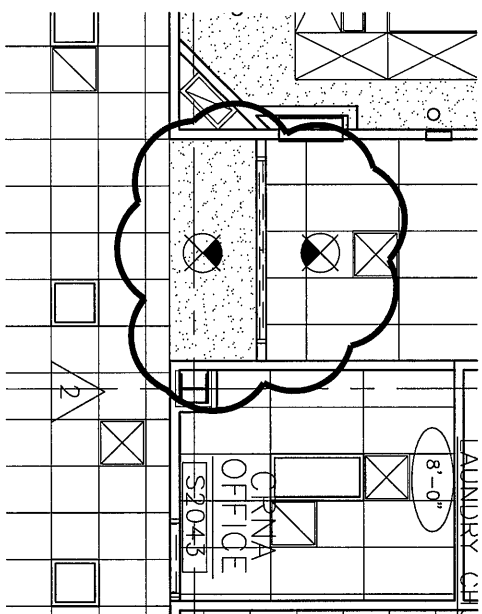
1
 SKA-19
 1/8" = 1'-0"
 SECOND FLOOR RCP



3
 SKA-19
 1/8" = 1'-0"
 SECOND FLOOR RCP



2
 SKA-19
 1/8" = 1'-0"
 SECOND FLOOR RCP



4
 SKA-19
 1/8" = 1'-0"
 SECOND FLOOR RCP

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 Cauffman
 Foley
 Hoffmann

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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
 Second Floor RCP Revisions
 Addition of exit signs and Revisions to ceiling

Revision To:
 △ADDENDUM #2

Drawing No.
SKA-19

Revision To:
 A5.02

Date
 12.06.06

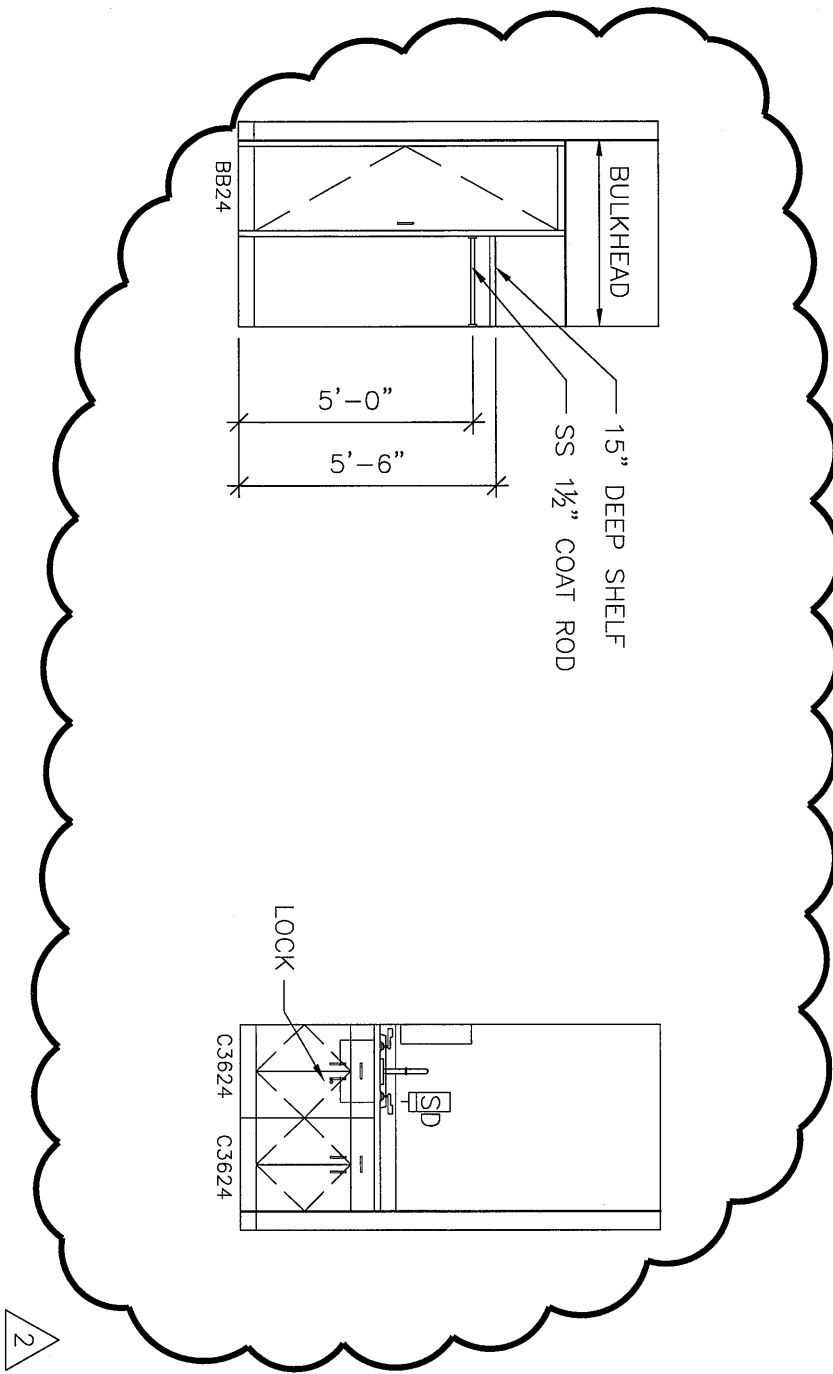
Scale
 AS NOTED

Project No.
 F05-4898

Drawn By
 EWG

1
SKA-20

PASTORAL CARE ELEVATIONS
1/4" = 1'-0"



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Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title
Pastoral Care Elevation Additions
26, 27/A8.11

Revision To:
ADDENDUM #2

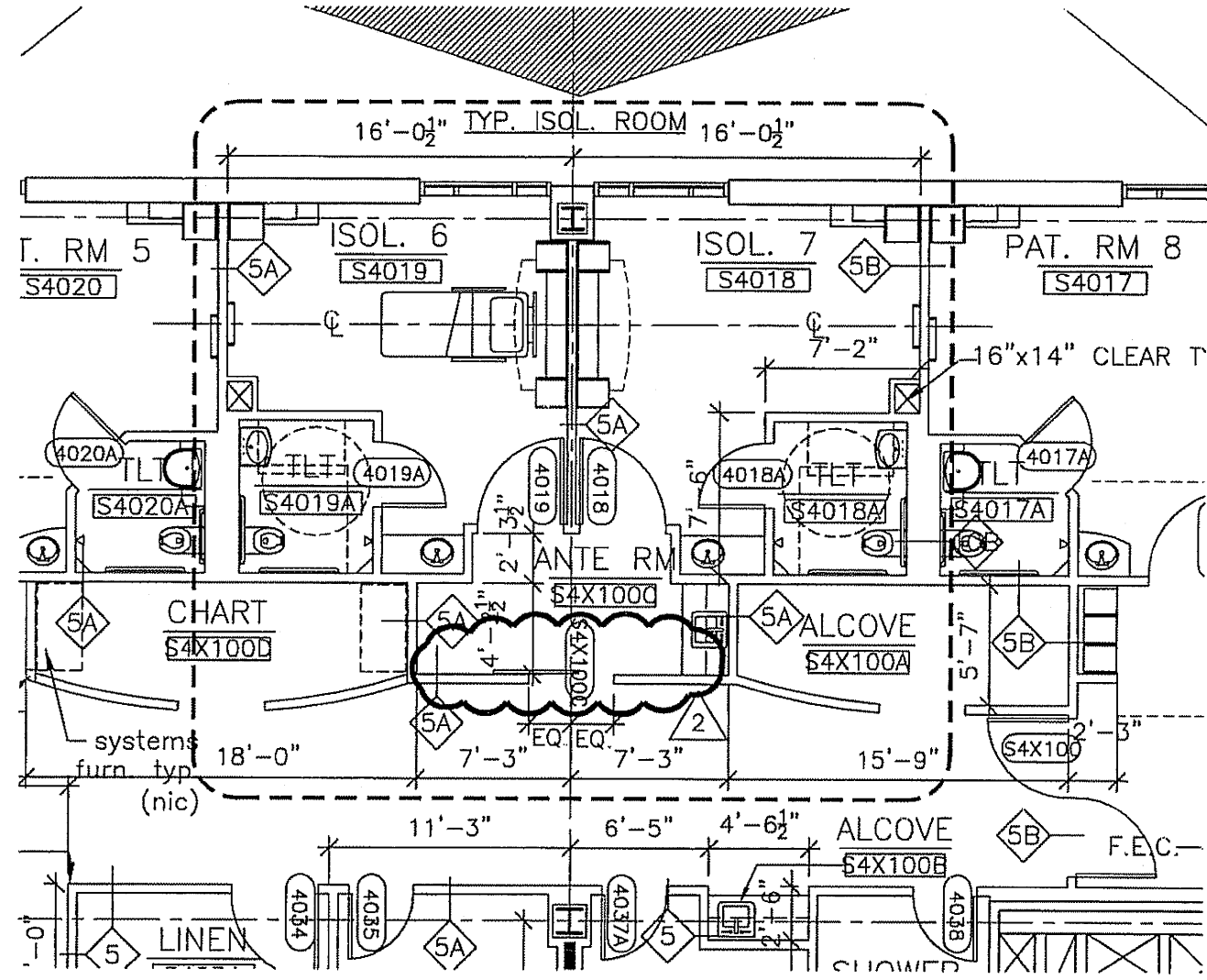
Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-20

Revision To:
A8.11

Project No.
F05-4898

Drawn By
EWG



1 ANTE ROOM SLIDING DOOR
 SKA-21 1/8"=1'-0"

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 Foley
 Hoffmann
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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

Drawing Title
 FOURTH FLOOR PLAN REVISION

Revisions
 ADDENDUM #2

Drawing No.
 SKA-21

Date
 12.06.06

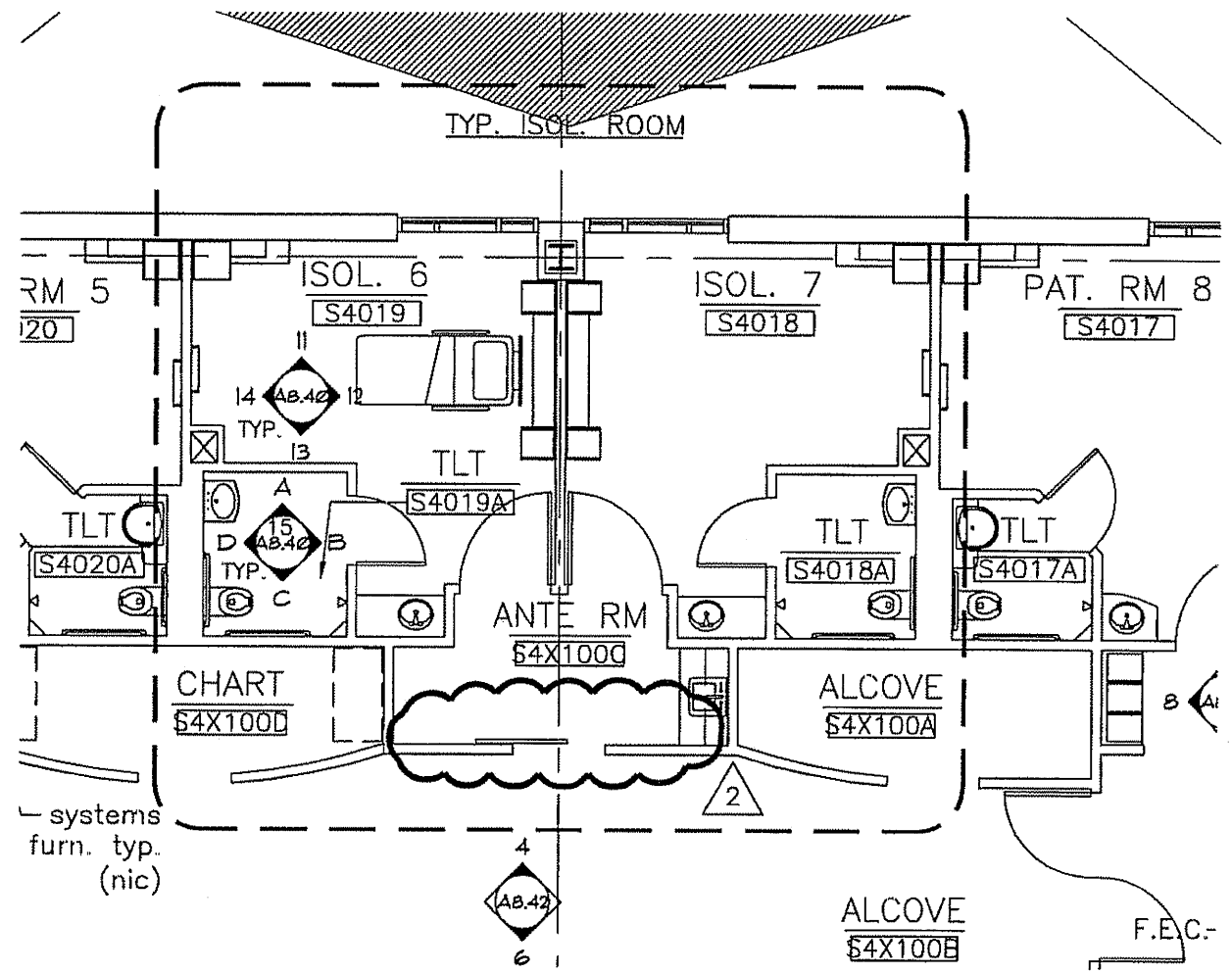
Revision To:
 A1.04A

Scale
 AS NOTED

Project No.
 F05-4898

Drawn By
 ART

AS NOTED

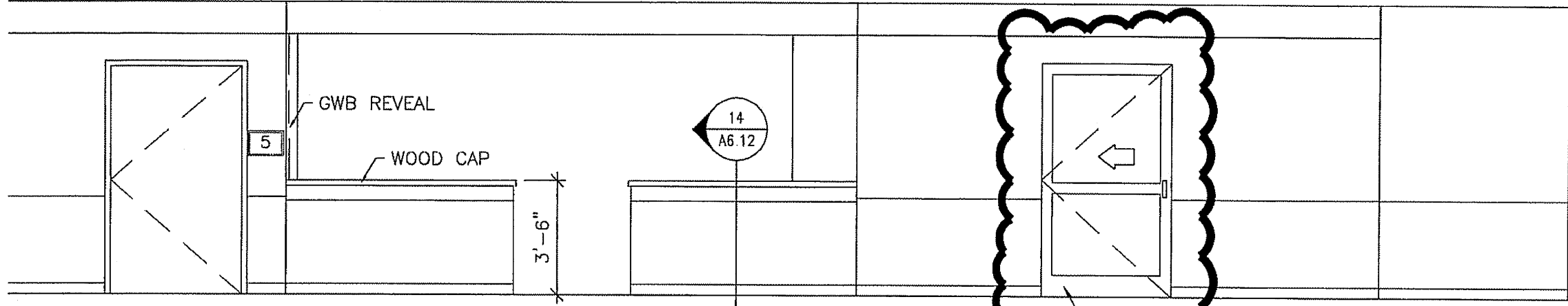


1 ANTE ROOM SLIDING DOOR
 SKA-22 1/8"=1'-0"

Revisions
 ADDENDUM #2
 Drawing No. SKA-22
 Revision To: A1.04B
 Date 12.06.06
 Scale AS NOTED
 Project No. F05-4898
 Drawn By ART

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL
 Drawing Title
 FOURTH FLOOR PLAN REVISION

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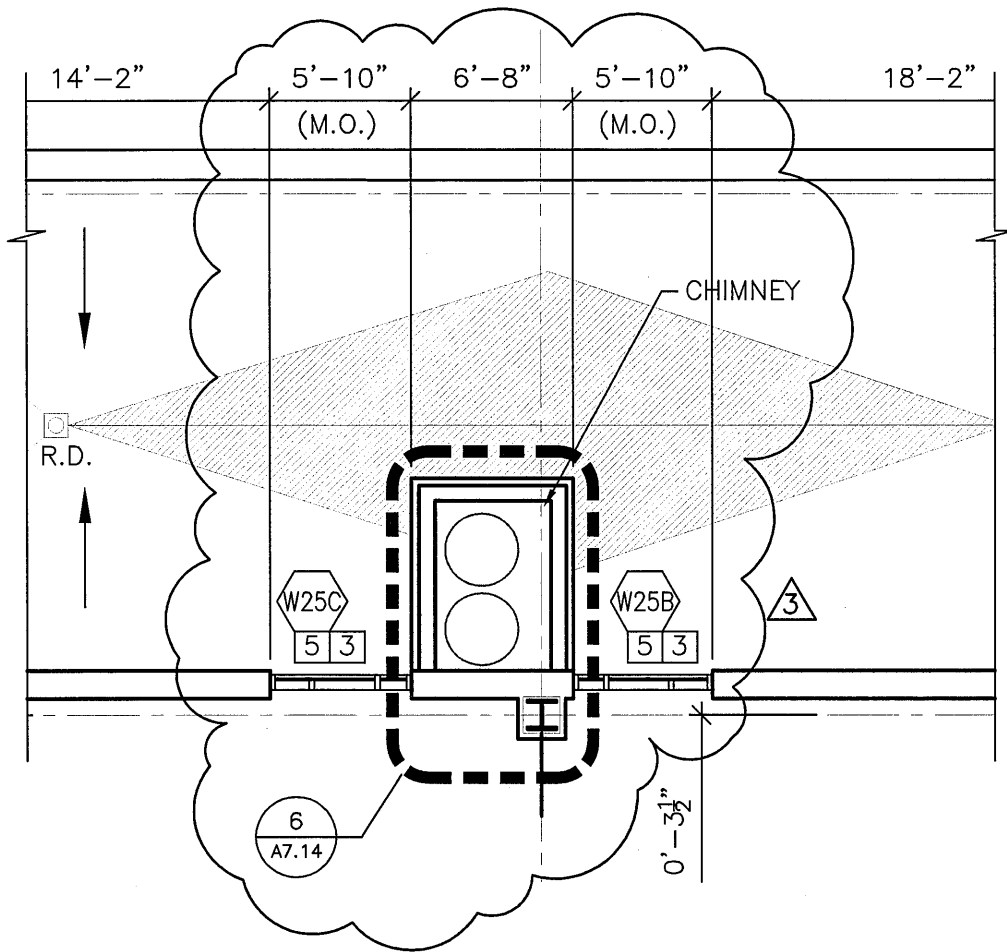
1 ANTE ROOM SLIDING DOOR
 SKA-23 1/4"=1'-0"

Revisions
 Δ ADDENDUM #2
 Drawing No. SKA-23
 Revision To: 4/A8.42
 Project No. F05-4898
 Date 12.06.06
 Scale AS NOTED
 Drawn By ART

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL
 Drawing Title
 FOURTH FLOOR CORRIDOR REVISION

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Drawing File Name: N:\FCFH-SYR\Mercy ME\04-drawings\Active Files\Sheets\A1.04 Fourth Floor Roof/Plan.dwg



1
SKA-24

FOURTH FLOOR PLAN

SCALE: 1/8"=1'-0"

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Cauffman
Foley
Hoffmann

The Crown Building, Suite 201
304 S. Franklin St.
Syracuse, N.Y. 13202
315-423-0483

Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



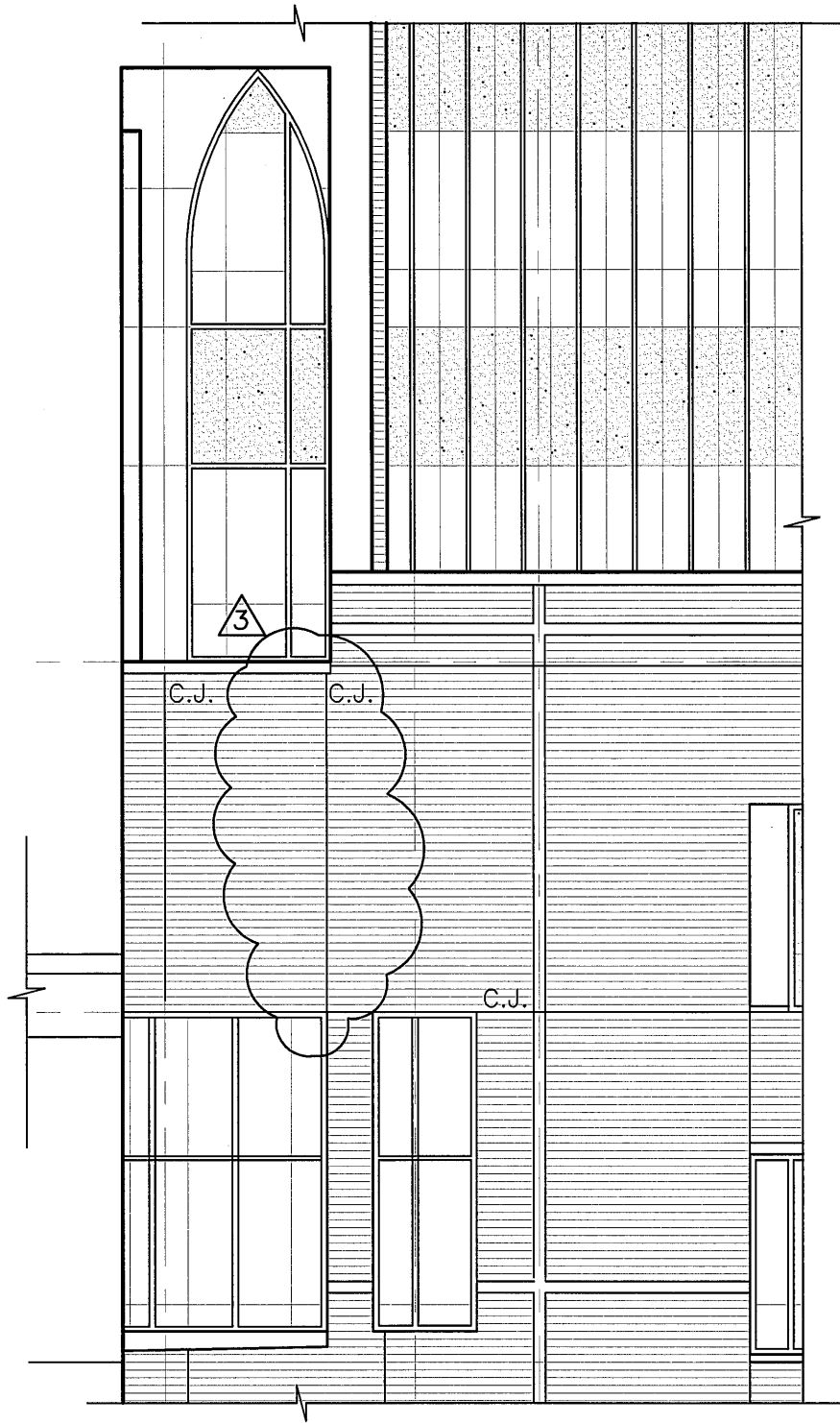
Drawing Title
Fourth Floor Roof/Plan-Core & Shell
Chimney/Window revision to A1.04

Revisions
3 ADDENDUM #2

Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-24
Revision to :
A1.04
Project No.
F05-4898
Drawn By
JLL

Drawing File Name: N:\FCFH-SYR\Mercy ME\04-drawings\Active Files\Sheets\A2.01 Building Elevations.dwg



1
SKA-25

PARTIAL SOUTH BUILDING ELEVATION

SCALE: 1/8"=1'-0"

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Hoffmann

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Syracuse, N.Y. 13202
315-423-0463

Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



MERCY

Drawing Title
Partial South Building Elevation-
control joint addition

Revisions

3 ADDENDUM #2

Date
12.06.06

Scale
AS NOTED

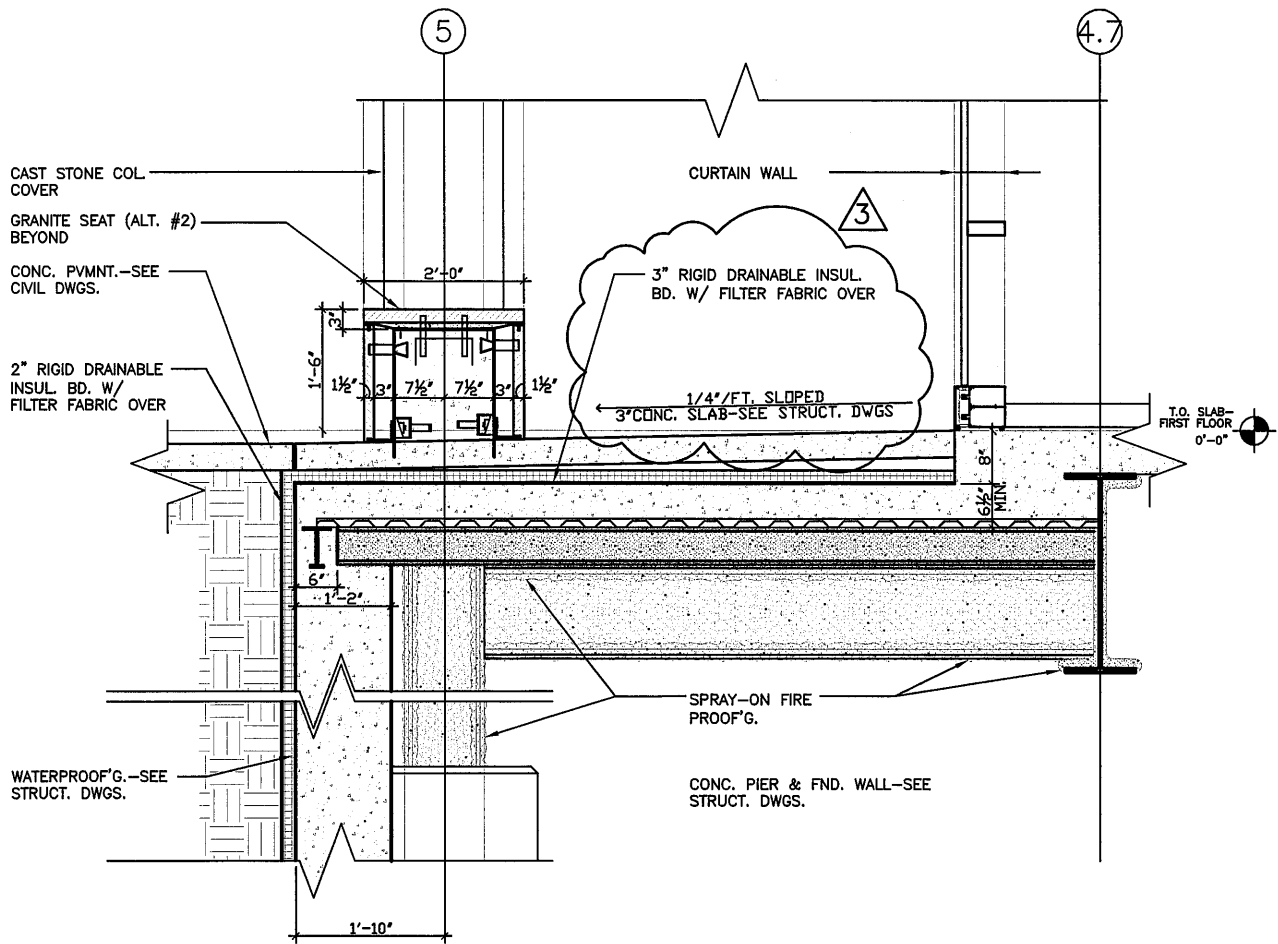
Drawing No.
SKA-25

Revision to :
A2.02

Project No.
F05-4898

Drawn By
JLL

Drawing File Name: N:\FCFH-SYR\Mercy ME\04-drawings\Active Files\Sheets\A3.05 Building Elevations.dwg



1
SKA-26

DET. @ TOP OF FND. WALL & ARCADE CONC. SLAB

SCALE: 3/8"=1'-0"

Francis
Cauffman
Foley
Hoffmann

The Crown Building, Suite 201
304 S. Franklin St.
Syracuse, N.Y. 13202
315-423-0483

Project Title
Mercy Health System of Maine
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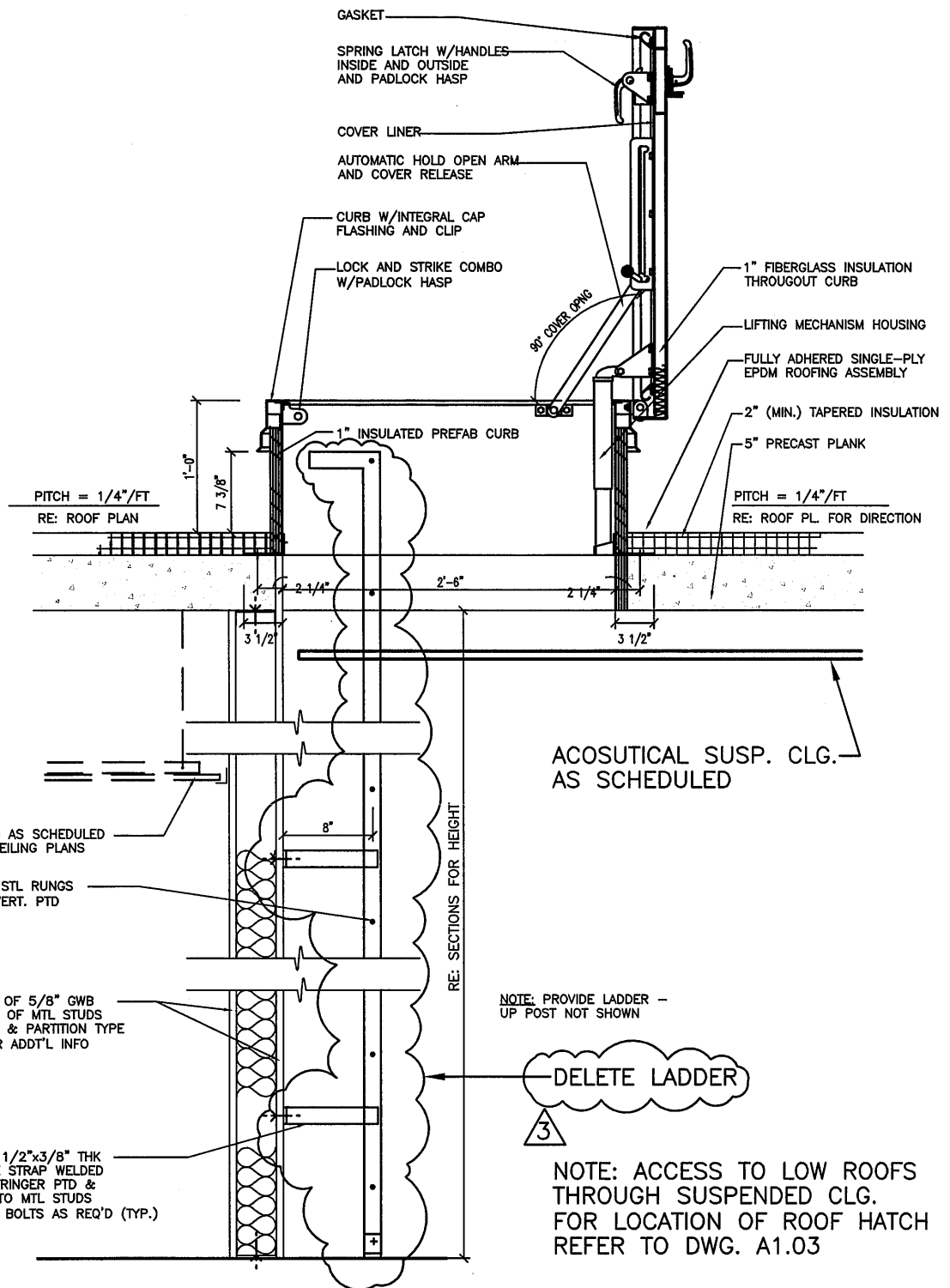
Drawing Title
Wall Sections—
Detail Revision @ Foundation Wall

Revisions
3 ADDENDUM #2

Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-26
Revision to :
A3.05
Project No.
F05-4898
Drawn By
JLL

Drawing File Name: N:\FCFH-SYR\Mercy ME\04-drawings\Active Files\Sheets\A1.04 Fourth Floor Roof/Plan.dwg



ACOSUTICAL SUSP. CLG. AS SCHEDULED

NOTE: PROVIDE LADDER - UP POST NOT SHOWN

DELETE LADDER
3

NOTE: ACCESS TO LOW ROOFS THROUGH SUSPENDED CLG. FOR LOCATION OF ROOF HATCH REFER TO DWG. A1.03

1
SKA-27

TYPICAL HATCH DETAIL

SCALE: NTS

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315-423-0483

Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title Revision-Typical Hatch Detail

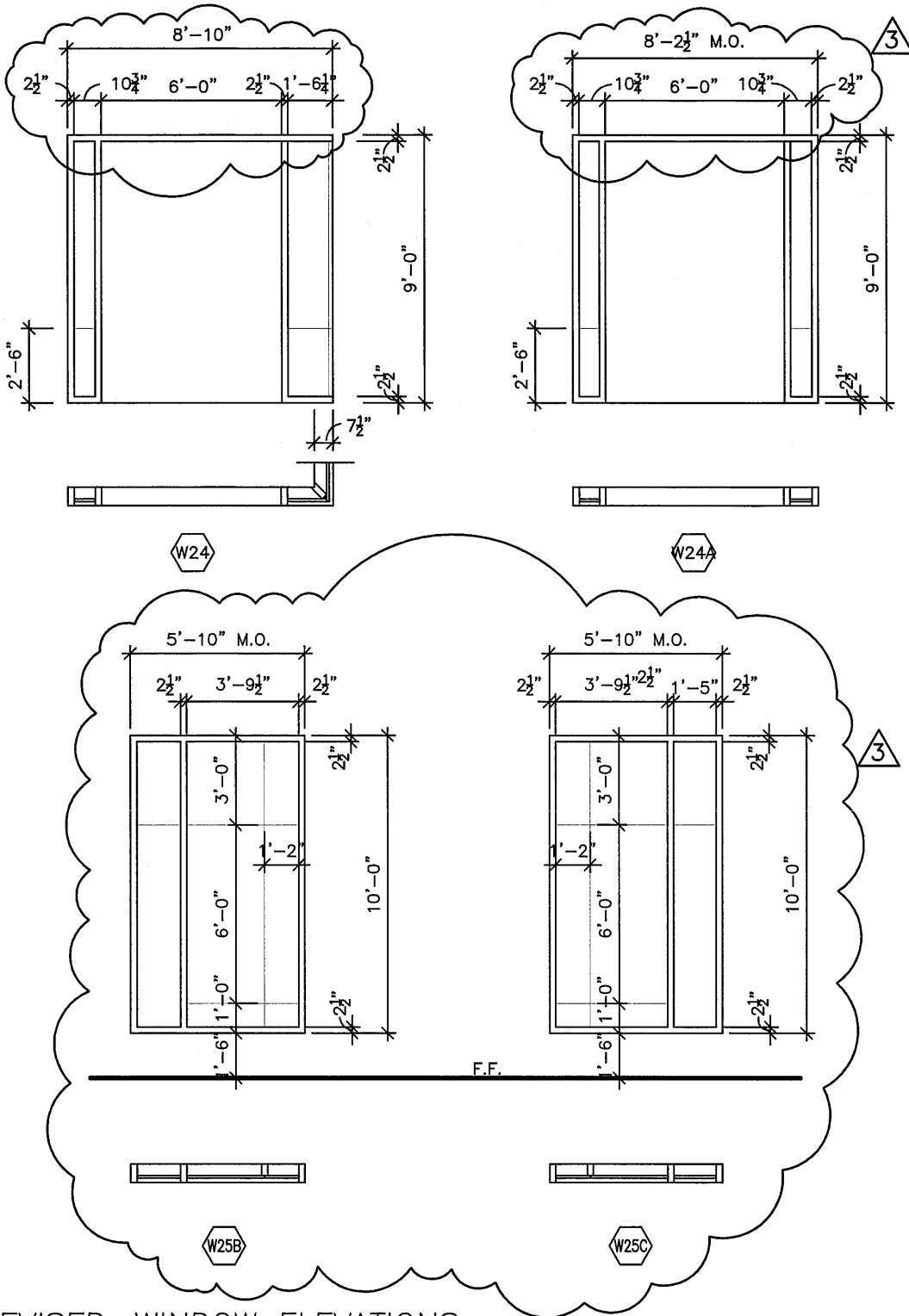
Revisions
3 ADDENDUM #2

Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-27
Revision to :
A4.07

Project No.
F05-4898
Drawn By
JLL

Drawing File Name: N:\FCFH-SYR\Mercy ME\04-drawings\Active Files\Sheets\A1.04 Fourth Floor Roof/Plan.dwg



1
SKA-28

REVISED-WINDOW ELEVATIONS

SCALE: NTS

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Project Title
Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title Window Schedule

Revisions
ADDENDUM #2

Date
12.06.06
Scale
AS NOTED

Drawing No.
SKA-28
Revision to :
A1.04
Project No.
F05-4898
Drawn By
JLL

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Syracuse, N.Y. 13202
315-423-0463

AIR HANDLING UNIT SCHEDULE (With In-Duct Return Fans)

AHU Unit Number	LOCATION	Control Sequence	CFM	Minimum External SP	SPILL				SUPPLY FAN ②							RETURN FAN							PREHEAT COIL					COOLING COIL															
					Min. CFM	Max. CFM	Quantity	FAN Type	Min. SP	Max. BHP	Min. MHP	RPM	Motor Type	Inlet vanes	Inlet bell	Inlet cone	Outlet cone	Quantity	FAN Type	Return CFM	Min. SP	Max. BHP	Min. MHP	RPM	Motor Type	Inlet vanes	Inlet bell	Inlet cone	Outlet cone	AIR SIDE			STEAM SIDE		AIR SIDE								
																														Max. Face Velocity (FPM)	EDB °F	LDB °F	Minimum Rows	Max. Fin Spacing FPI	Max. Δ P Inch H ₂ O	Pressure in Coil	Flow lbs/hr	Max. Face Velocity (FPM)	EDB °F	EWB °F	LDB °F	LWB °F	Minimum Rows
AHU-1	PENTHOUSE	X	82,500	-	20,625	-	-	2	⑩	8.0	89.9	100	1209	TEFC	YES	YES	YES	YES	REFER TO FAN SCHEDULE HO.01							800	-10	55	2	8	0.1	5	3620	⑪	500	80.0	65.3	52.0	51.0	8	12	1.10	Wat
AHU-2	PENTHOUSE	X	82,500	-	34,200	-	-	2	⑩	8.0	89.9	100	1209	TEFC	YES	YES	YES	YES	REFER TO FAN SCHEDULE HO.01							800	-10	55	2	8	0.1	5	3620	⑪	500	81.4	66.5	52.0	51.0	8	12	1.10	Wat
AHU-3	BOILER ROOM	X	12,600	1.5	3,000	-	-	1	CENT	3.0	12.14	15	1910	TEFC	YES	YES	YES	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
AHU-4	BOILER ROOM	X	4,000	1.5	2,000	-	-	1	CENT	2.0	3.74	5	2851	TEFC	YES	YES	YES	YES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

COIL				HUMIDIFIER ⑤		FILTER										Supply SA Number	Return SA Number	POWER	Emergency Power ④	REMARKS									
WATER SIDE				Max. Δ P Feet H ₂ O	Manifold Pressure PSIG	PRE-FILTER				CARBON FILTERS				FINAL FILTER															
Fluid	Flow GPM	EWT °F	LWT °F			Max. Δ P Feet H ₂ O	Manifold Pressure PSIG	Max. Face Velocity (FPM)	Specified Type	Minimum Efficiency	Max Pressure Drop Clean	Pressure Drop Dirty	Max. Face Velocity (FPM)	Specified Type	Minimum Efficiency	Max Pressure Drop Clean	Pressure Drop Dirty	Max. Face Velocity (FPM)	Specified Type	Minimum Efficiency	Max Pressure Drop Clean	Pressure Drop Dirty							
Water	431	42	58	19	5	990	500	⑧	85	0.8	1.5	500	⑥	-	0.5	0.5	500	③	-	1.0	1.5	-	-	-	-	480V-3φ-60 Hz	YES	⑦	
Water	440	42	58	19	5	990	500	⑧	85	0.8	1.5	500	⑥	-	0.5	0.5	500	③	-	1.0	1.5	-	-	-	-	480V-3φ-60 Hz	YES	⑦	
-	-	-	-	-	-	-	500	①	30	0.45	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	480V-3φ-60 Hz	YES	⑨	①	⑨ BASED ON YORK AIRPAK
-	-	-	-	-	-	-	500	①	30	0.45	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	480V-3φ-60 Hz	YES	⑨	①	⑨ BASED ON YORK AIRPAK

CENTRIFUGAL CHILLER SCHEDULE

UNIT NUMBER	NOM TONS	ELECTRICAL DATA			EVAPORATOR							CONDENSER					COMPRESSOR DATA				NOTES SEE BELOW	EMER POWER	
		VOLTS	PHASE	MIN. CIRC. AMP.	EWT °F	LWT °F	GPM	FLUID	# OF PASSES	FOULING FACTOR	ΔPRESS FT. H ₂ O	EWT °F	LWT °F	GPM	# OF PASSES	FOULING FACTOR	ΔPRESS FT. H ₂ O	FLA	KW RATING	KW/TON MAX			NPLV KW/TON
CH-1	650	460	3	683	58.0	42.0	1000	WATER	2	0.0005	11.09	85	96	1,625	2	0.001	21.34	538.5	396.0	0.609	0.412	1,2	NO
FUTURE CH-2	650	-	3	-	-	-	-	-	-	0.0005	-	-	-	-	-	0.001	-	-	-	-	-	-	-
FUTURE CH-3	650	-	3	-	-	-	-	-	-	0.0005	-	-	-	-	-	0.001	-	-	-	-	-	-	-

BR+A
 Bard, Rao + Athanas
 Consulting Engineers, LLC
 The Arsenal on the Charles
 311 Arsenal Street
 Watertown, MA 02472-5789
 617-254-0016 FAX: 617-924-9339

Revisions
 ② ADDENDUM #2

Drawing No. SKM-1
 Revision to: HO.01

Project No. F05-4898
 Date 12.06.06
 Scale NTS







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




















Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL









Drawing Title
 CHANGES MADE AIR HANDLING UNIT AND
 CENTRIFUGAL CHILLER SCHEDULE





The Crown Building, Suite 201
 304 S. Franklin St.
 Syracuse, N.Y. 13202
 315-423-0463

KEY NOTES:


- 1 16"Ø DN TO CART WASH. PROVIDE INDIRECT EXHAUST CONNECTION (1,175 CFM) REFER TO DETAIL  
- 2 10'-0"L x 2'-0"D STAINLESS STEEL CAPTURE HOOD. PROVIDE (2) 16x8 EXHAUST DUCT CONNECTIONS. (925 CFM TOTAL) REFER TO DETAIL  
- 3 16'-0"L x 2'-0"D STAINLESS STEEL CAPTURE HOOD. PROVIDE (2) 16x8 EXHAUST DUCT CONNECTIONS. (925 CFM TOTAL) REFER TO DETAIL PROVIDE (3) 12x12 TRANSFER GRILLES IN WALL TO STERILIZER ROOM (100 CFM EACH)  
- 4 12"Ø EXHAUST DUCT DN TO FUME HOOD CONNECTION TRANSITION AS REQUIRED TO MATCH HOOD CONNECTION. (1,200 CFM)
- 5 (2) 8"Ø EXHAUST DUCT DN TO GROSSING STATION EXHAUST AND CONNECTIONS (300 CFM TOTAL)
- 6 10"Ø EXHAUST DUCT DN TO HOOD CONNECTION. TRANSITION AS REQUIRED TO MATCH HOOD CONNECTION (800 CFM)

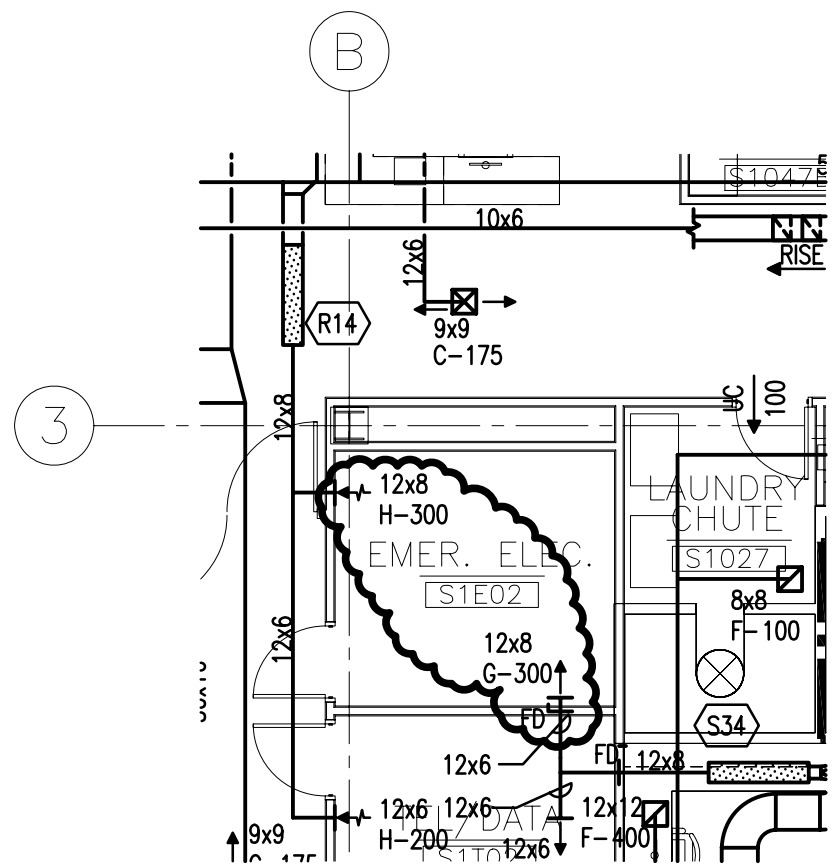
																						
CV-14	CV-19	VCV-12	VCV-12	CV-16	CV-5	W-6	CV-12	W-6	CV-12	CV-12	CV-12	CV-12	W-6	CV-19	CV-12	CV-12	W-22	CV-5	CV-14	CV-14	CV-10	CV-12
1600	2325	1100	1200	2000	200	400	1000	350	1200	1200	1450	1400	350	2500	1400	1450	3000	300	1800	1925	900	1425
1600	2325	550	600	2000	200	200	1000	175	1200	1200	1450	1400	175	2500	1400	1450	1500	300	1800	1925	900	1425
					NO COIL								NO COIL				NO COIL					

							
WR-16	WR-16	CVR-12	WR-8	WR-14	CVR-12	CVR-22	CVR-12
2300	1875	1400	450	900	1450	3000	1400
1150	950	1400	225	450	1450	3000	1400

			
HV-1	CEAV-2	HV-2	CEAV-1
600	1525	800	1100
600	1525	800	1100

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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	ADDENDUM #2	SKM-2
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : H1.00
Hoffmann			Project No. F05-4898
	Drawing Title	Date	Drawn By
	DETAIL CALL OUT AND REVISIONS MADE TO	12.06.06	SAC
	CFM'S ON BOX SCHEDULES	Scale	
		1/8"=1'-0"	



					1		2	1							1	
S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	
VCV-16	VCV-16	VCV-4	VCV-16	VCV-16	VCV-14	VCV-8	CV-8	W-6	VCV-8	VCV-10	VCV-8	VCV-10	CV-12	CV-12	CV-19	
2200	2200	1800	2000	2100	1800	375	475	400	550	800	225	1000	1150	1400	2250	
1100	1100	900	1000	1050	900	200	475	200	275	400	125	500	1150	1400	2250	
								NO COIL								

	1		2		1		2		1		1				1		2
S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34
CV-10	CV-12	VCV-8	VCV-8	W-6	VCV-8	VCV-12	VCV-10	CV-10	VCV-12	CV-12	VCV-19	VCV-10	VCV-12	CV-14	VCV-6	VCV-12	W-8
775	1000	600	500	400	500	1100	850	1000	1500	975	2525	900	1050	1800	400	1100	500
775	1000	300	250	200	250	550	425	1000	750	975	1275	450	525	1800	200	550	250
				NO COIL													NO COIL

						2		2		2		1		2		
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17
WR-10	WR-14	WR-6	WR-8	CVR-22	WR-12	WR-14	WR-12	CVR-8	WR-6	CVR-14	NOT	WR-19	WR-8	CV-12	WR-16	WR-12
725	1800	400	550	3250	1100	1550	1400	525	400	1500	USED	2525	500	975	2300	1200
375	900	200	225	3250	550	775	700	525	200	1500		1275	250	975	1150	600

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Francis
 Cauffman
 Foley
 Hoffmann

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
 CHANGES MADE TO EMER. ELEC. ROOM AND REVISIONS
 MADE TO CFM'S AND SIZES ON BOX SCHEDULES

Revisions
 ADDENDUM #2

Drawing No.
 SKM-3
 Revision to :
 H1.01

Date
 12.06.06

Project No.
 F05-4898

Scale
 1/8" = 1'-0"

Drawn By
 SAC

² S1	S2	S3	S4	S5	S6	² S7	S8	S9	S10	S11	S12	S13	S14	² S15	S16	S17	S18	S19	² S20	S21
VCV-14	CV-10	VCV-12	VCV-12	CV-6	CV-12	CV-12	CV-6	VCV-8	W-6	VCV-8	VCV-8	CV-12	CV-10	CV-8	CV-8	CV-6	CV-12	VCV-19	CV-14	VCV-12
1500	825	1100	1200	300	1150	1425	200	550	300	625	450	1275	900	700	600	300	1250	3000	1675	1300
750	825	700	700	300	1150	1425	200	275	150	350	225	1275	900	700	600	300	1250	1500	1675	650
																NO COIL		2 POS.		

S22	S23	S24	² S25	S26	S27	S28	S29	S30	S31	S32	S33	S34
CV-12	W-8	VCV-8	VCV-12	CV-14	VCV-19	VCV-19	VCV-10	VCV-19	VCV-19	VCV-19	VCV-19	CV-8
1250	600	650	1225	1650	3000	3000	900	3000	3000	3000	3000	700
1250	300	325	625	1650	1500	1500	450	1500	1500	1500	1500	700
	NO COIL				2 POS.	2 POS.		2 POS.	2 POS.	2 POS.	2 POS.	

R1	R2	² R3	R4	² R5	R6	R7	² R8	R9	R10	R11	² R12	R13	R14	R15	R16	R17	R18	R19	R20
WR-12	WR-6	WR-16	WR-6	WR-14	WR-12	WR-18	WR-8	WR-16	WR-14	WR-16	WR-10	WR-16	WR-16	WR-16	WR-12	WR-16	WR-14	WR-16	WR-16
1300	300	1900	300	1750	1300	2700	600	2750	1450	1950	1125	2750	2750	2750	1100	2750	1800	2750	2750
700	300	950	150	1750	650	1350	300	1250	1450	975	575	1250	1250	1250	1100	1250	1800	1250	1250

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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 REVISIONS MADE TO CFM'S ON BOX
 SCHEDULES

Revisions
 Drawing No. SKM-4
 Revision to: H1.02
 ADDENDUM #2

Date 12.06.06
 Scale 1/8"=1'-0"
 Project No. F05-4898
 Drawn By SAC

Francis
 Cauffman
 Foley
 Hoffmann

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S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	
VCV-8	VCV-12	CV-10	VCV-14	VCV-10	CV-8	VCV-8	W-6	VCV-8	CV-8	VCV-10	VCV-8	VCV-8	CV-6	CV-12	VCV-8	VCV-8	VCV-18	VCV-8	CV-10	VCV-8	
550	1100	775	1425	750	650	400	300	675	400	900	450	500	300	1050	500	500	2425	500	700	500	
275	550	775	725	375	650	200	150	350	400	450	225	400	300	1050	400	400	1225	400	700	400	
							NO COIL														

S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39
VCV-8	VCV-8	W-8	VCV-14	VCV-14	VCV-12	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-10	VCV-6
500	700	600	1700	1700	1450	625	500	500	500	500	500	600	500	500	500	775	300
400	550	300	850	850	725	300	250	250	250	250	250	300	250	250	250	400	150
			2 POS.	2 POS.													

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19
WR-16	WR-14	WR-14	CVR-8	WR-12	WR-10	WR-6	WR-14	WR-10	CVR-6	WR-18	WR-8	WR-8	WR-10	WR-14	WR-14	WR-18	WR-12	WR-14
2150	1725	1650	575	1325	900	300	1675	800	300	2475	600	200	850	1700	1700	2550	1275	1575
1075	875	825	575	675	450	150	1250	575	300	1250	300	200	425	850	850	1275	650	800

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Francis	Project Title	Mercy Health System of Maine	Revisions	Drawing No.	SKM-5
Cauffman	Mercy Health System of Maine	FORE RIVER SHORT STAY HOSPITAL	ADDENDUM #2	Revision to :	H1.03
Foley				Project No.	F05-4898
Hoffmann				Date	12.06.06
				Scale	1/8" = 1'-0"
				Drawn By	SAC
				Drawing Title	REVISIONS MADE TO CFM'S ON BOX SCHEDULES

S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21
CV-12	CV-12	CV-4	CV-16	CV-16	CV-14	VCV-8	CV-8	W-6	VCV-8	VCV-10	VCV-8	VCV-10	CV-12	CV-12	CV-19	CV-10	CV-12	VCV-8	VCV-8	W-6
1500	1500	1800	2000	2100	1800	200	475	200	275	400	125	500	1150	1400	2250	775	1000	300	250	200
5.0	5.0	6.0	6.75	7.0	6.0	0.5	1.0	NO COIL	1.0	1.5	0.5	1.75	4.0	4.75	7.5	2.5	3.25	1.0	1.0	NO COIL
S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34								
VCV-12	VCV-12	VCV-10	CV-10	VCV-12	CV-12	VCV-19	VCV-10	VCV-12	CV-14	VCV-6	VCV-12	W-8								
250	550	425	1000	750	975	1275	450	525	1800	200	550	250								
1.0	2.0	1.5	3.25	2.5	3.25	4.25	1.5	1.75	6.0	0.75	1.75	NO COIL								
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17				
WR-10	WR-14	WR-6	WR-8	CVR-22	WR-12	WR-14	WR-12	CVR-8	WR-6	CVR-14	NOT	WR-19	WR-8	CV-12	WR-16	WR-12				
725	1800	400	550	3250	1100	1550	1400	525	400	1500	USED	2525	500	975	2300	1200				
375	900	200	225	3250	550	775	700	525	200	1500		1275	250	975	1150	600				

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Francis
 Cauffman
 Foley
 Hoffmann

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
 REVISIONS MADE TO SIZE, CFM, AND GPM'S ON
 BOX SCHEDULES

Revisions
 ADDENDUM #2

Date
 12.06.06

Scale
 1/8"=1'-0"

Drawing No.
 SKM-6

Revision to :
 H2.01

Project No.
 F05-4898

Drawn By
 SAC

VCV-8	VCV-12	CV-10	VCV-14	VCV-10	CV-8	VCV-8	W-6	VCV-8	CV-8	VCV-10	VCV-8	VCV-8	CV-6	CV-12	VCV-8	VCV-8	VCV-18	VCV-8	CV-10
275	550	775	725	375	650	200	150	350	400	450	225	400	300	1050	400	400	1225	400	700
1.0	2.0	2.5	2.5	1.25	2.0	0.75	NO COIL	1.0	1.3	1.5	0.75	1.5	1.0	3.5	1.5	1.5	4.0	1.5	3.0

VCV-8	VCV-8	VCV-8	W-8	VCV-14	VCV-14	VCV-12	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-8	VCV-10	VCV-6
400	400	550	300	850	850	725	300	250	250	250	250	250	300	250	250	250	400	150
1.5	1.5	2.0	NO COIL	3.0	3.0	2.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.25	0.5
				2 POS.	2 POS.													

WR-16	WR-14	WR-14	CVR-8	WR-12	WR-10	WR-6	WR-14	WR-10	CVR-6	WR-18	WR-8	WR-8	WR-10	WR-14	WR-14	WR-18	WR-12	WR-14
2150	1725	1650	575	1325	900	300	1675	800	300	2475	600	200	850	1700	1700	2550	1275	1575
1075	875	825	575	675	450	150	1250	575	300	1250	300	200	425	850	850	1275	650	800

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Francis
 Cauffman
 Foley
 Hoffmann

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

Drawing Title REVISIONS MADE TO CFM AND GPM'S ON BOX SCHEDULES

Revisions
 ADDENDUM #2

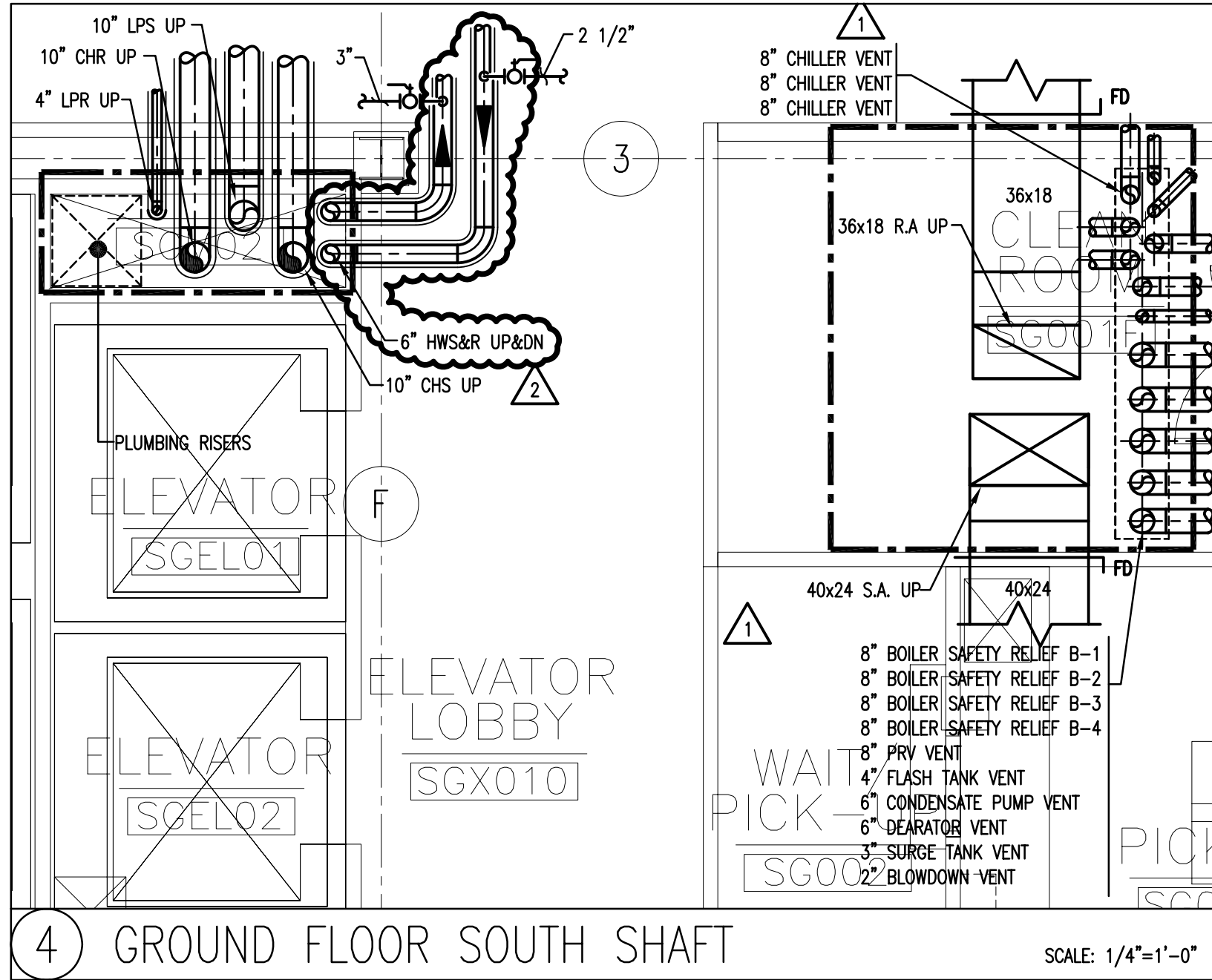
Drawing No.
 SKM-7
 Revision to :
 H2.03

Date
 12.06.06

Scale
 1/8" = 1'-0"

Project No.
 F05-4898


Drawn By
 SAC

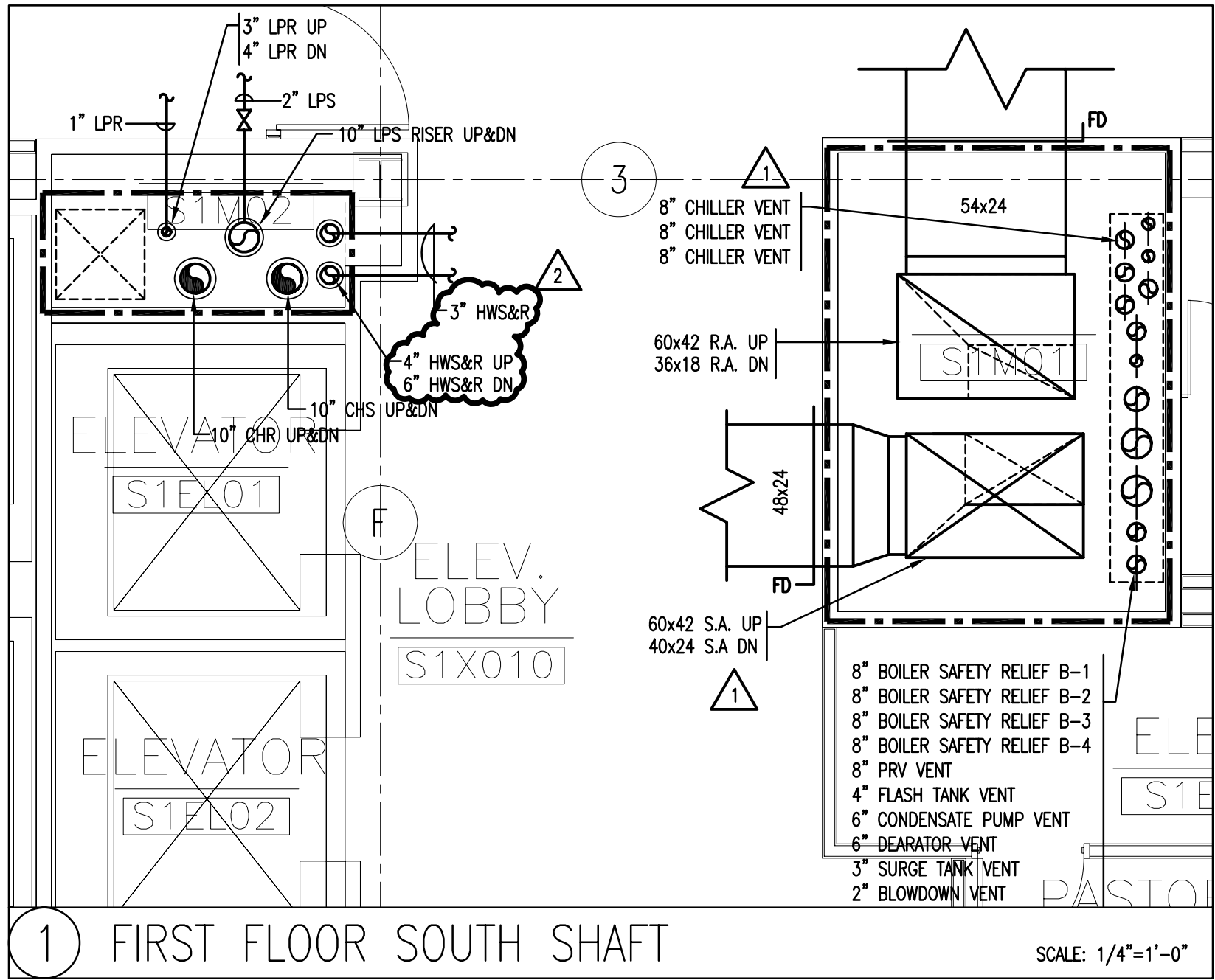


4 GROUND FLOOR SOUTH SHAFT

SCALE: 1/4"=1'-0"

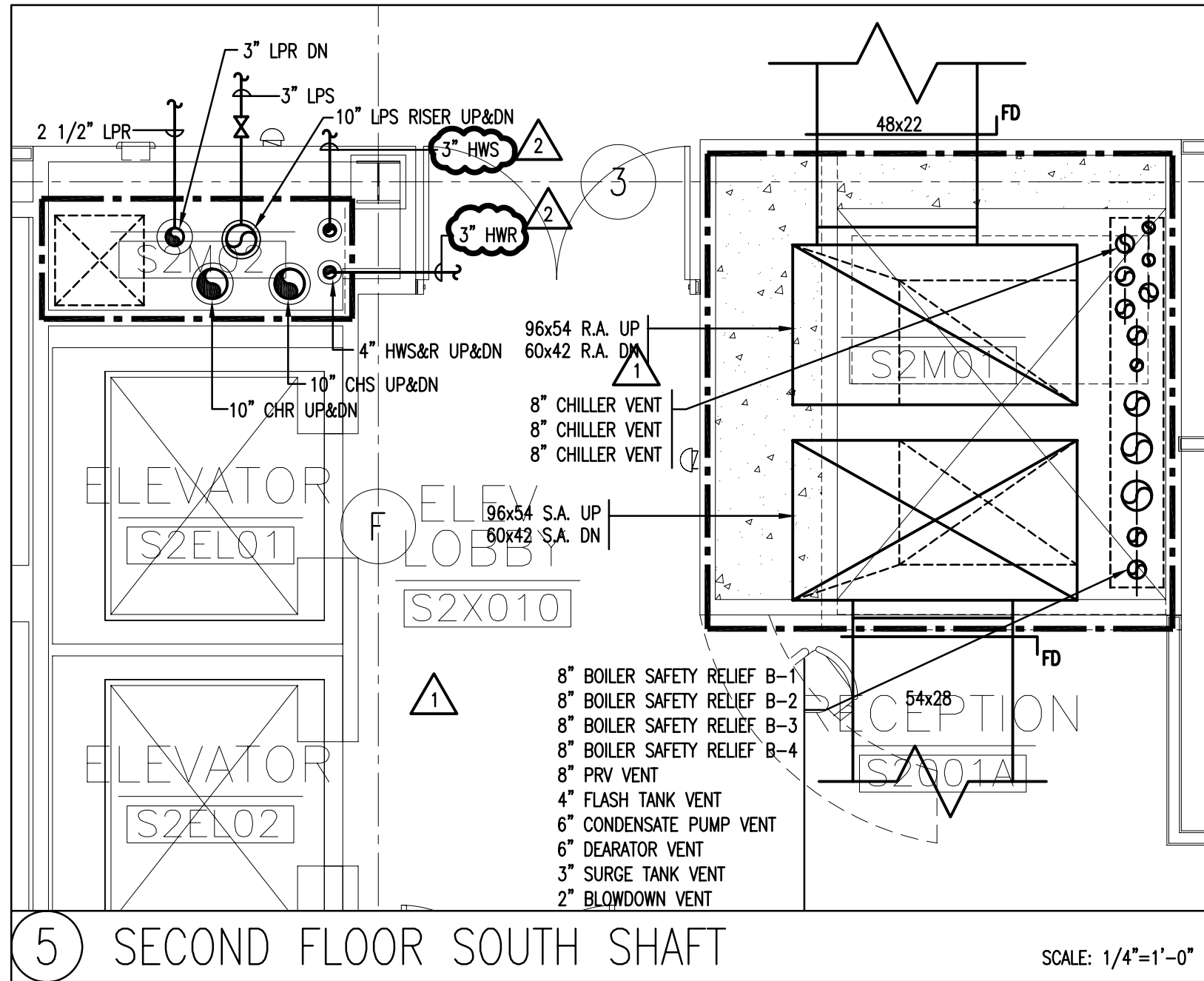
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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	ADDENDUM #2	SKM-8
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : H4.02
Hoffmann			Project No. F05-4898
	Drawing Title	Date	Drawn By
	REVISED HWS&R AT GROUND FLOOR SOUTH SHAFT	12.06.06	SAC
		Scale	
		1/4"=1'-0"	



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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	ADDENDUM #2	SKM-9
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : H4.02
Hoffmann	MERCY		Project No. F05-4898
	Drawing Title	Date	Drawn By
	REVISED HWS&R AT FIRST FLOOR SOUTH SHAFT	12.06.06	SAC
		Scale	
		1/4"=1'-0"	



5 SECOND FLOOR SOUTH SHAFT

SCALE: 1/4"=1'-0"

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Francis
 Cauffman
 Foley
 Hoffmann

Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
 REVISED HWS&R AT SECOND FLOOR SOUTH
 SHAFT

Revisions
 ADDENDUM #2

Date
 12.06.06

Scale
 1/4"=1'-0"

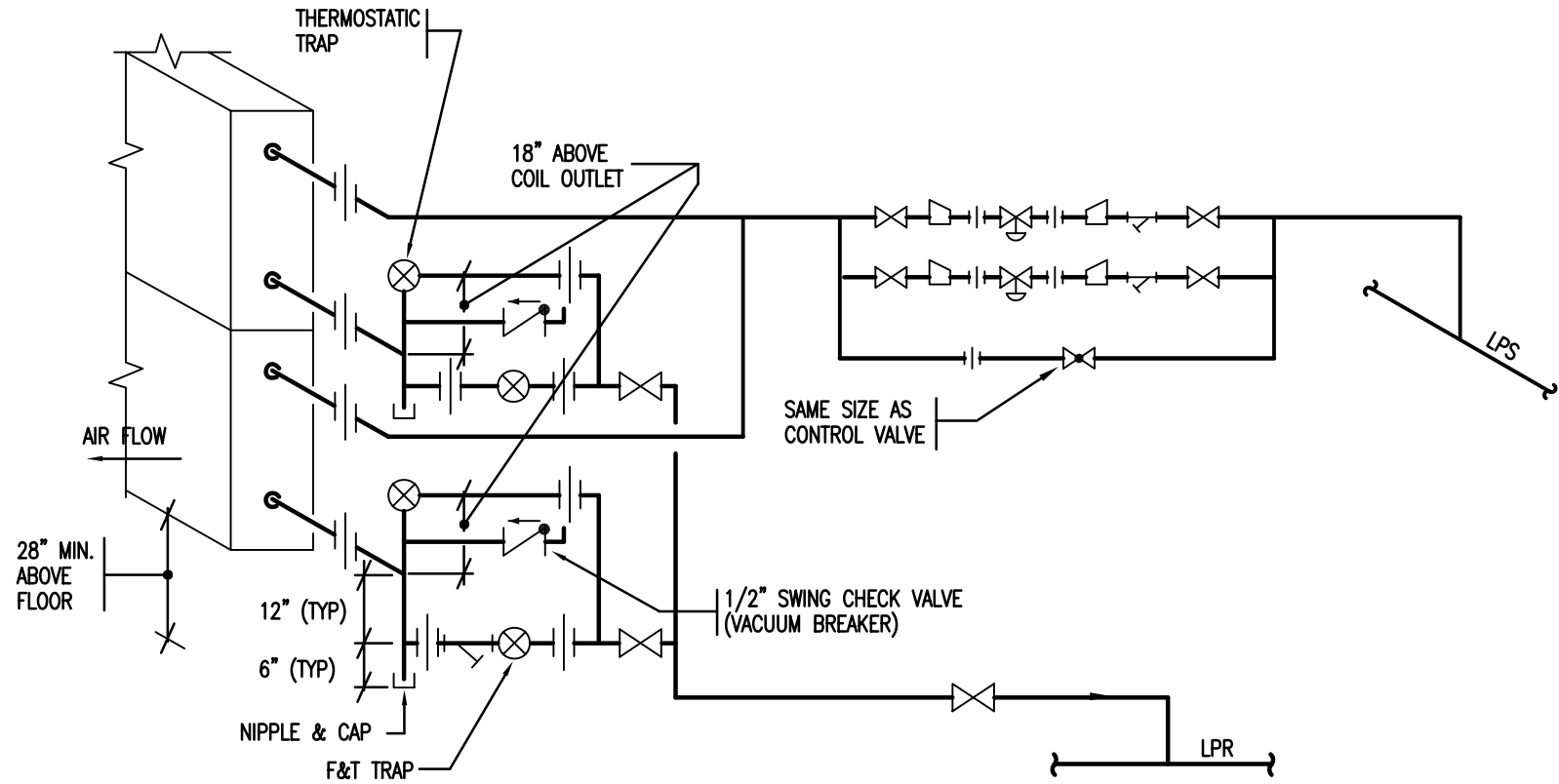
Drawing No.
 SKM-10

Revision to :
 H4.02

Project No.
 F05-4898

Drawn By
 SAC

2



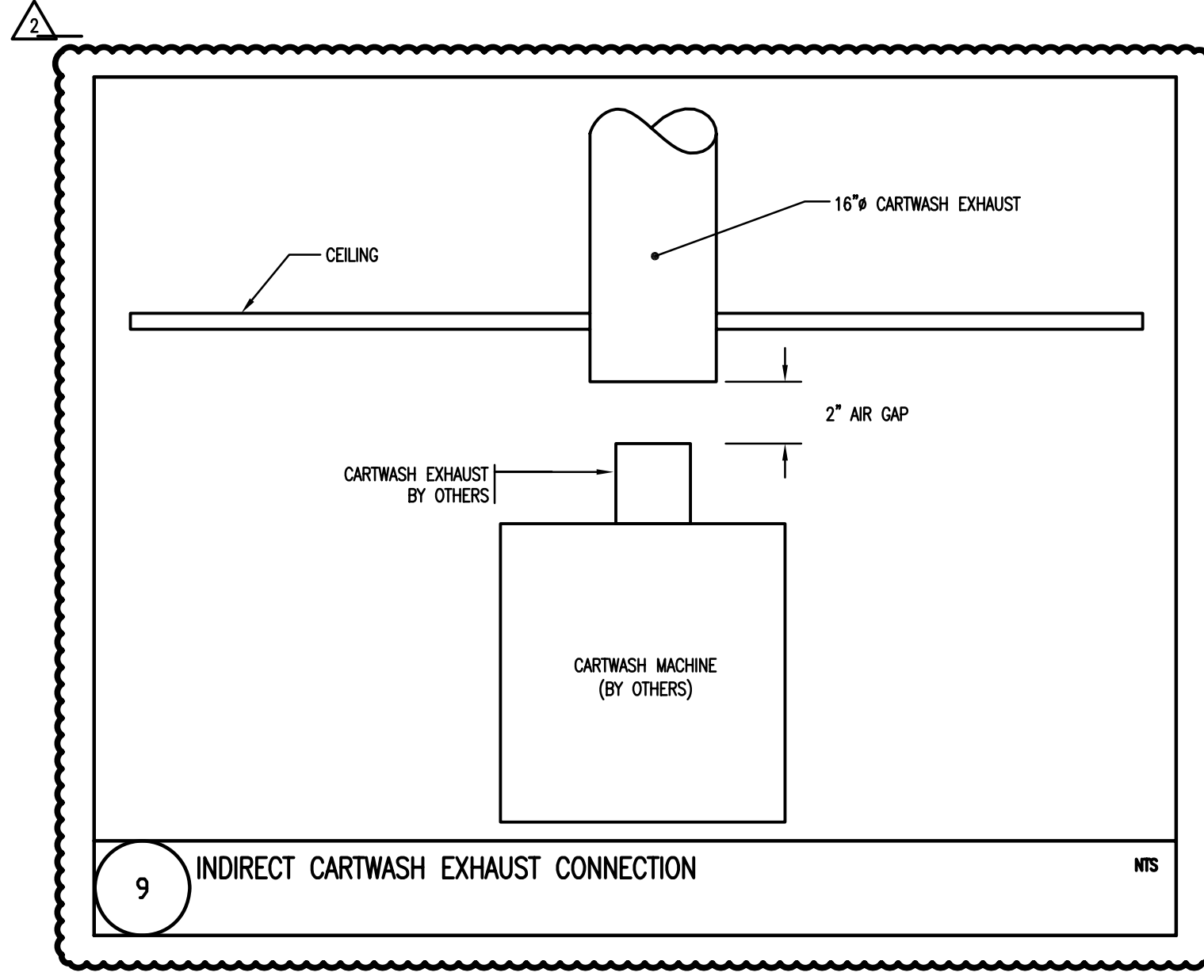
NOTES:

1. ARRANGE PIPING TO PERMIT COIL REMOVAL BY ONLY REMOVING UNIONS AT COIL.
2. UNIONS (OR FLANGED BODY) INDICATED TO PERMIT REMOVAL OF CONTROL VALVES.
3. PIPING FROM COIL OUTLET TO F & T TRAP TO BE SAME SIZE AS COIL OUTLET - DO NOT REDUCE UNTIL TRAP.
4. PROVIDE SIMILAR ARRANGEMENT FOR 3 OR MORE HIGH COILS.
5. PROVIDE SIMILAR PIPING ARRANGEMENTS ON EACH SIDE FOR TWO SECTION WIDE COIL ASSEMBLY.
6. FOR PIPE SIZE SEE PLANS.

2 STEAM COIL CONNECTIONS, OPEN GRAVITY SYSTEM - TWO OR MORE HIGH NTS

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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	ADDENDUM #2	SKM-11
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : H5.03
Hoffmann		Date	Project No.
		12.06.06	F05-4898
		Scale	Drawn By
		NTS	SAC
	Drawing Title		
	CHANGES MADE TO DETAIL 2		



9 INDIRECT CARTWASH EXHAUST CONNECTION

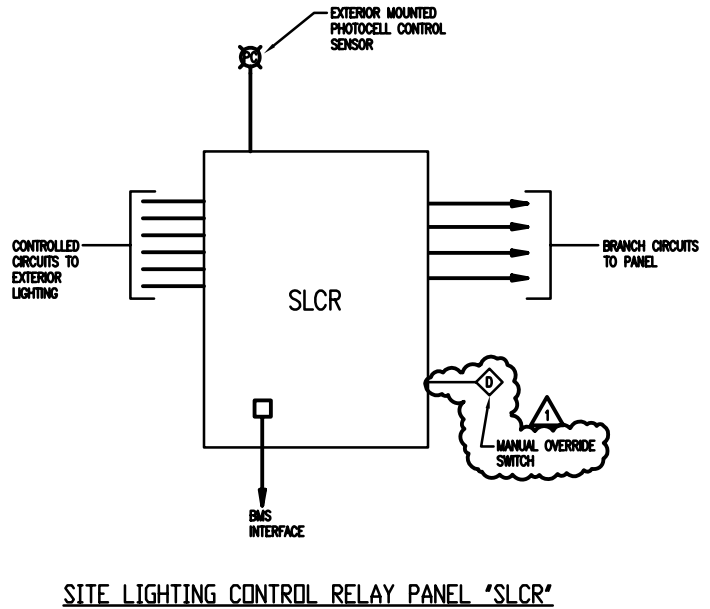
NTS

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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	ADDENDUM #2	SKM-12
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : H5.03
Hoffmann	 MERCY	Date	Project No.
	The Crown Building, Suite 201 304 S. Franklin St. Syracuse, N.Y. 13202 315-423-0463	12.06.06	F05-4898
	Drawing Title	Scale	Drawn By
	CHANGES MADE TO DETAIL 9	NTS	SAC

20A-1P	2#6 & 1#6G	2 1/2"	REB	SLCR
20A-1P	2#6 & 1#6G		RE9	-
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G	2 1/2"	RE10	SLCR
20A-1P	2#6 & 1#6G		RE11	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G	2 1/2"	RE11	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G		RE10	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	RE11	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G		RE10	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	RE11	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G		RE12	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	RE13	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	4#6 & 1#6G		RE12	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	UN-SWITCHED	-
20A-1P	4#6 & 1#6G		RE12	SLCR
20A-1P	2#6 & 1#6G		RE13	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	UN-SWITCHED	-
20A-1P	4#6 & 1#6G		RE14	SLCR
20A-1P	4#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G	2 1/2"	RE15	SLCR
20A-1P	2#6 & 1#6G		RE13	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G	2 1/2"	RE16	SLCR
20A-1P	2#6 & 1#6G		RE17	SLCR
20A-1P	2#6 & 1#6G		RE18	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	UN-SWITCHED	-
20A-1P	2#6 & 1#6G		RE16	SLCR
20A-1P	2#6 & 1#6G		RE17	SLCR
20A-1P	2#6 & 1#6G	2 1/2"	RE18	SLCR
20A-1P	2#6 & 1#6G		UN-SWITCHED	-
20A-1P	2#6 & 1#6G		UN-SWITCHED	-

RE16	.	.	.	PARKING SOUTH	277	825	L4SL-3
RE17	.	.	.	ROADWAY NORTH	277	1100	L4SL-4
RE18	.	.	.	PARKING SOUTH	277	1650	E04G2-9
RE19	.	.	.	FIRST FLOOR EXTERIOR	277	1100	L4SL-13
RE20	.	.	.	FIRST FLOOR EXTERIOR	277	900	L4SL-14
RE21	.	.	.	EXTERIOR CANOPY LTG.	277	200	E04G2-10
RE22	.	.	.				
RE23	.	.	.				
RE24	.	.	.				



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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
**ELECTRICAL
 SITE PLAN**

Revisions
 Addendum #2

Date
 12/06/06
 Scale
 NONE

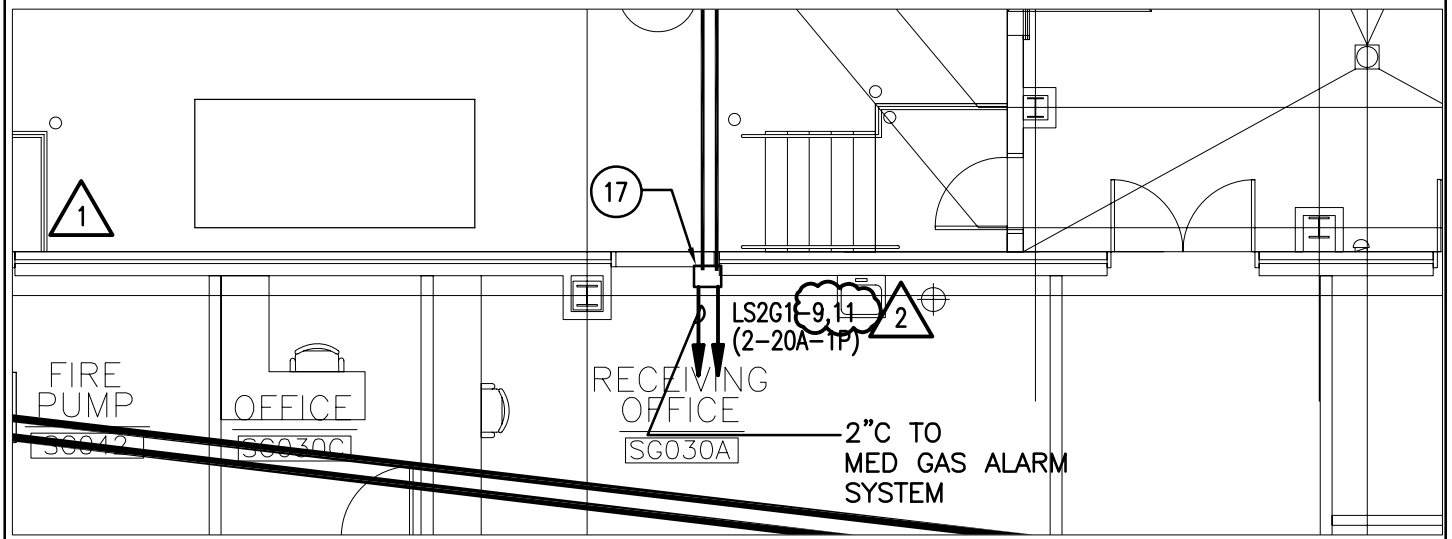
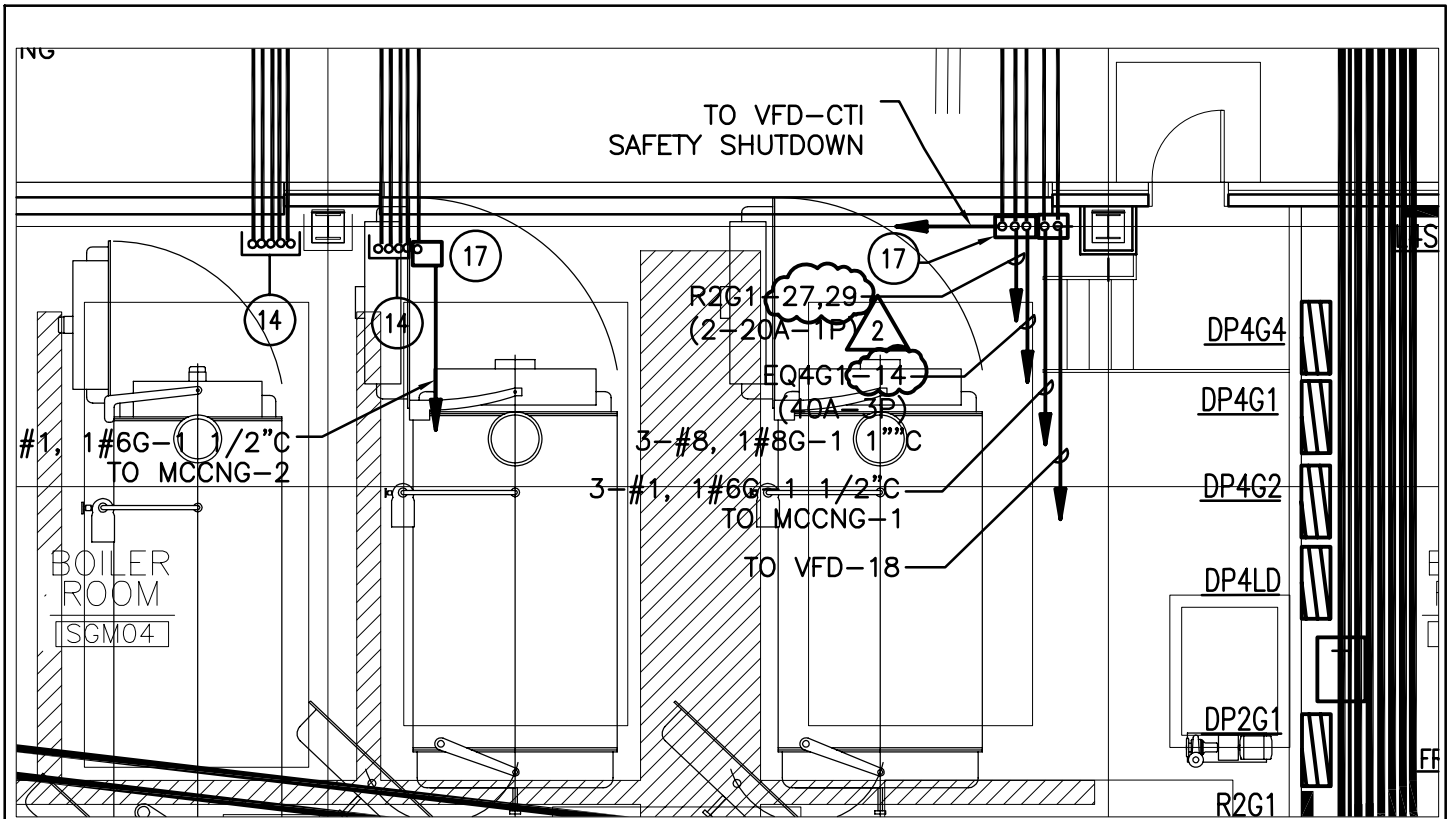
Drawing No.
 SKE-1

Revision to :
 E-01B

Project No.
 F05-4898

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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



MERCY

Drawing Title
 ELECTRICAL PARTIAL
 SITE PLAN

Revisions
 Addendum #2

Date
 2/06/06

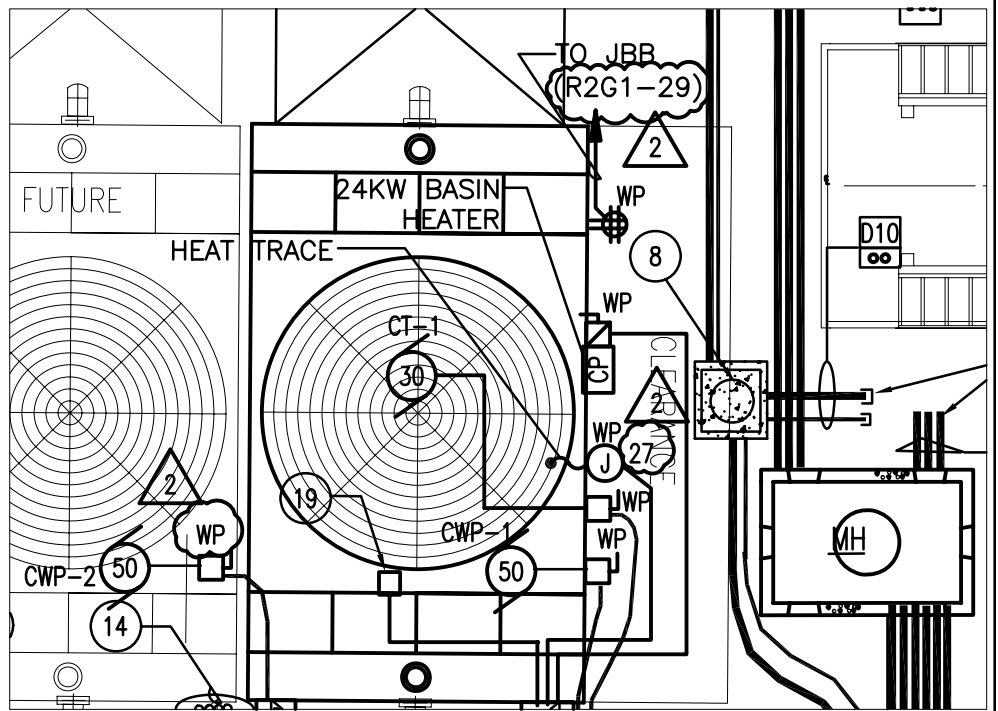
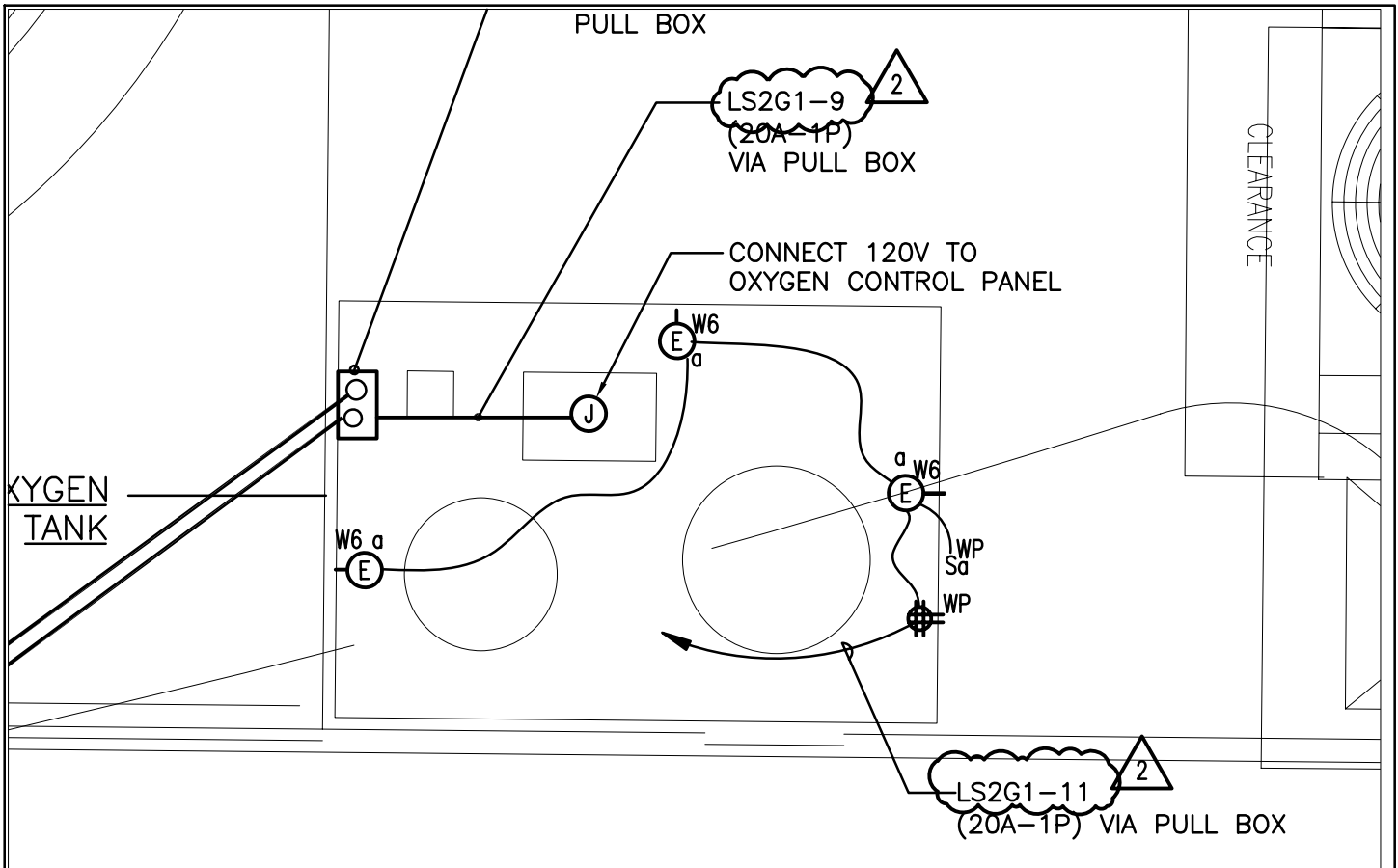
Scale
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Drawing No.
 SKE-2

Revision to :
 E-02

Project No.
 F05-4898

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Drawing Title
 ELECTRICAL PARTIAL
 SITE PLAN

Revisions
 Addendum #2

Date
 2/06/06
 Scale
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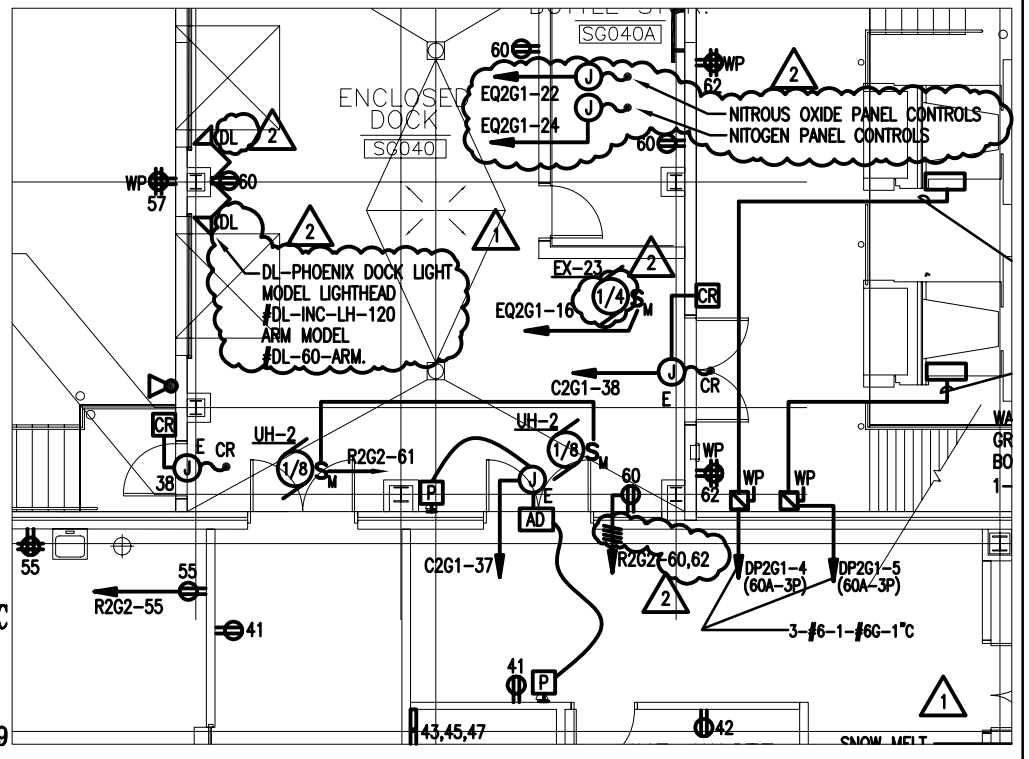
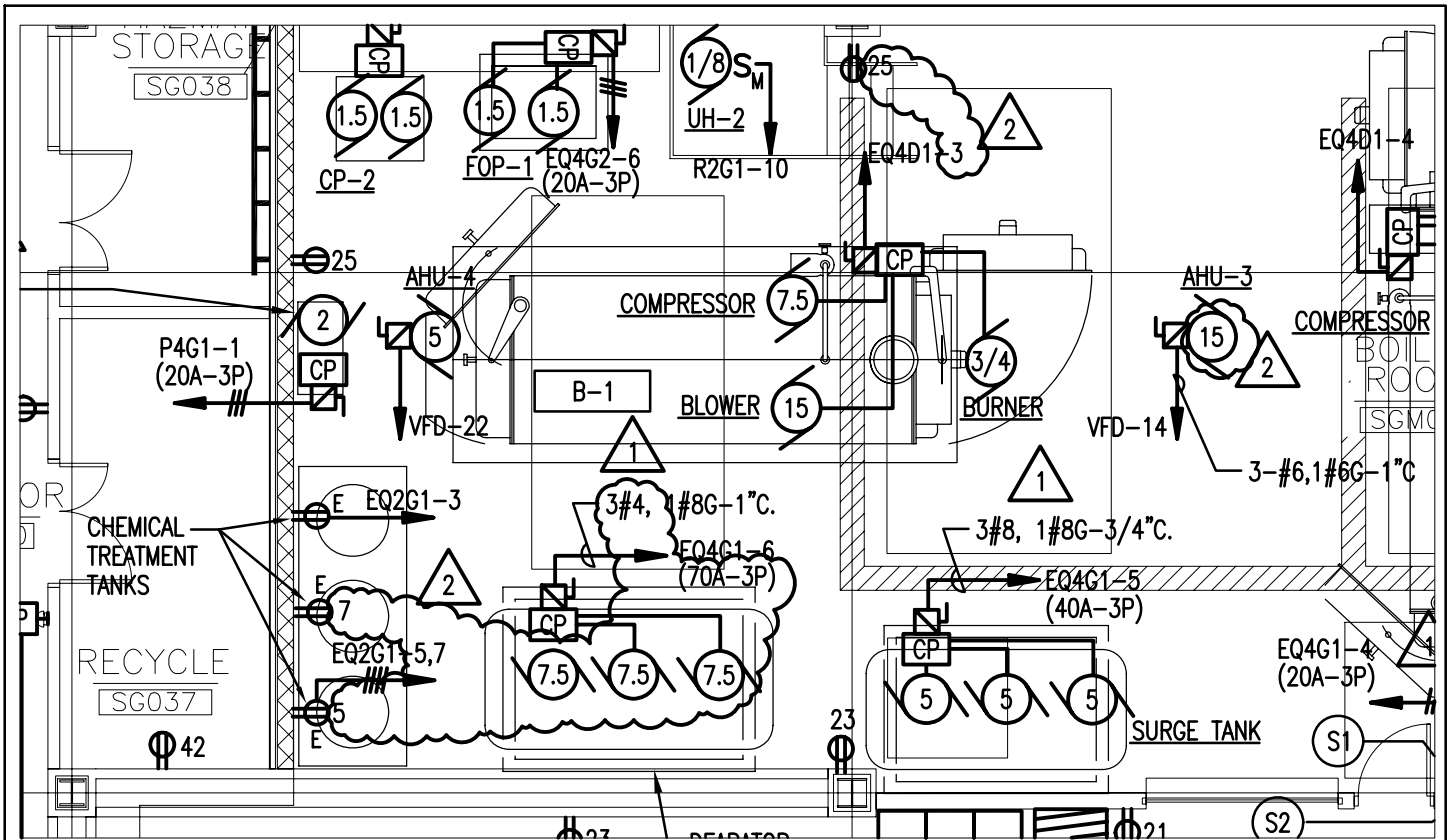
Drawing No.
 SKE-3

Revision to :
 E-02

Project No.
 F05-4898

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Drawing Title
 ELECTRICAL POWER PLAN
 GROUND FLOOR

Revisions
 Addendum #2

Date
 12/06/06
 Scale
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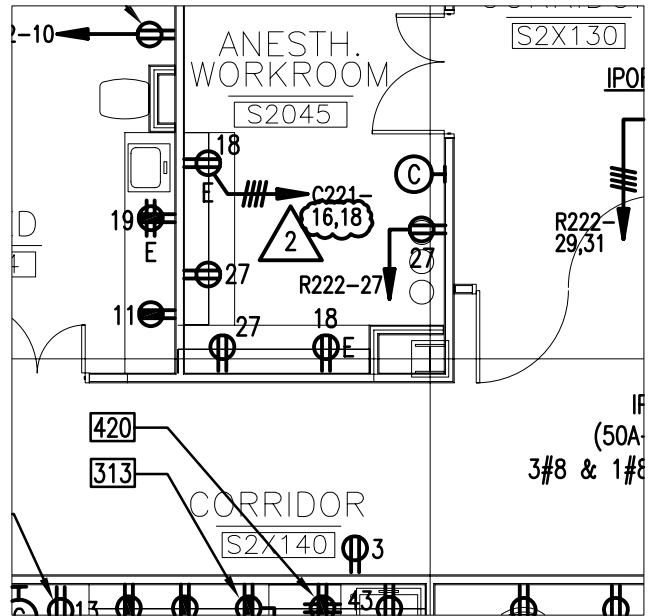
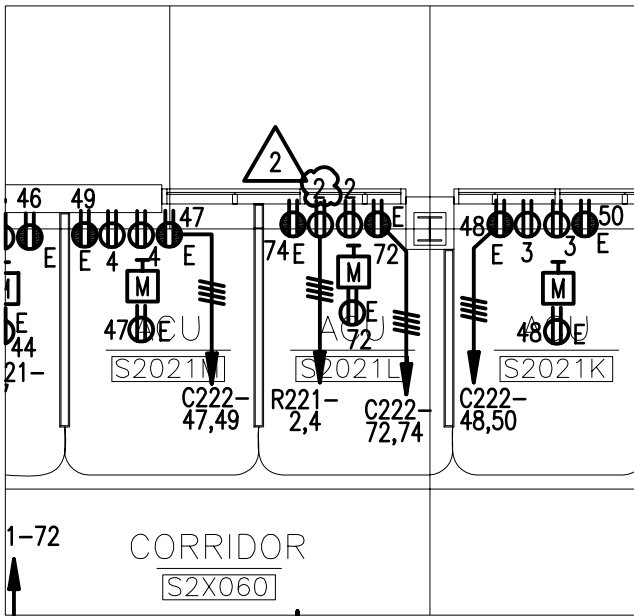
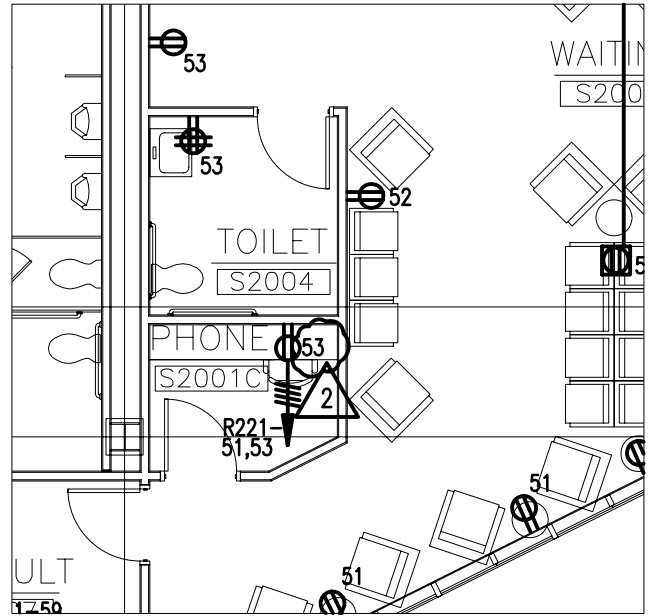
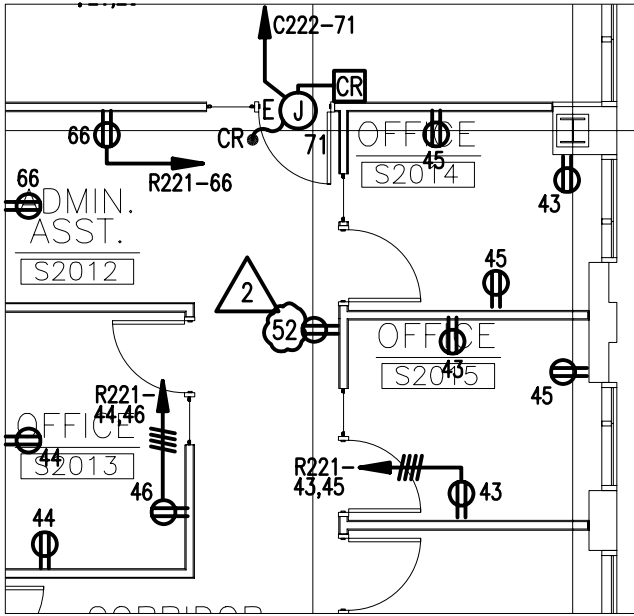
Drawing No.
 SKE-6

Revision to :
 E1-G

Project No.
 F05-4898

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 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 ELECTRICAL POWER PLAN
 LEVEL 2

Revisions
 Addendum #2

Date
 12/06/06

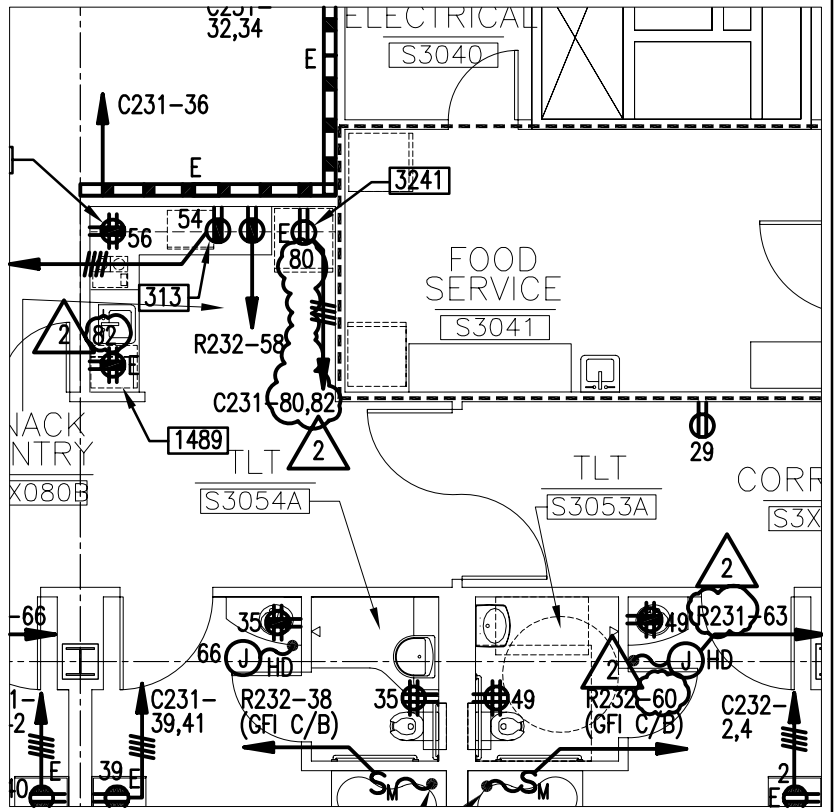
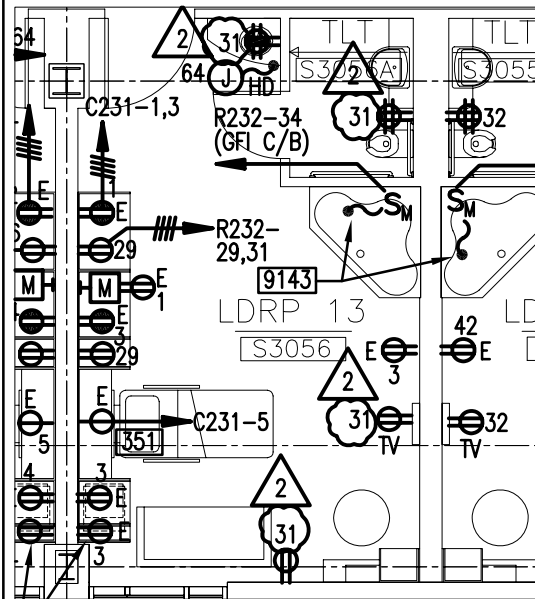
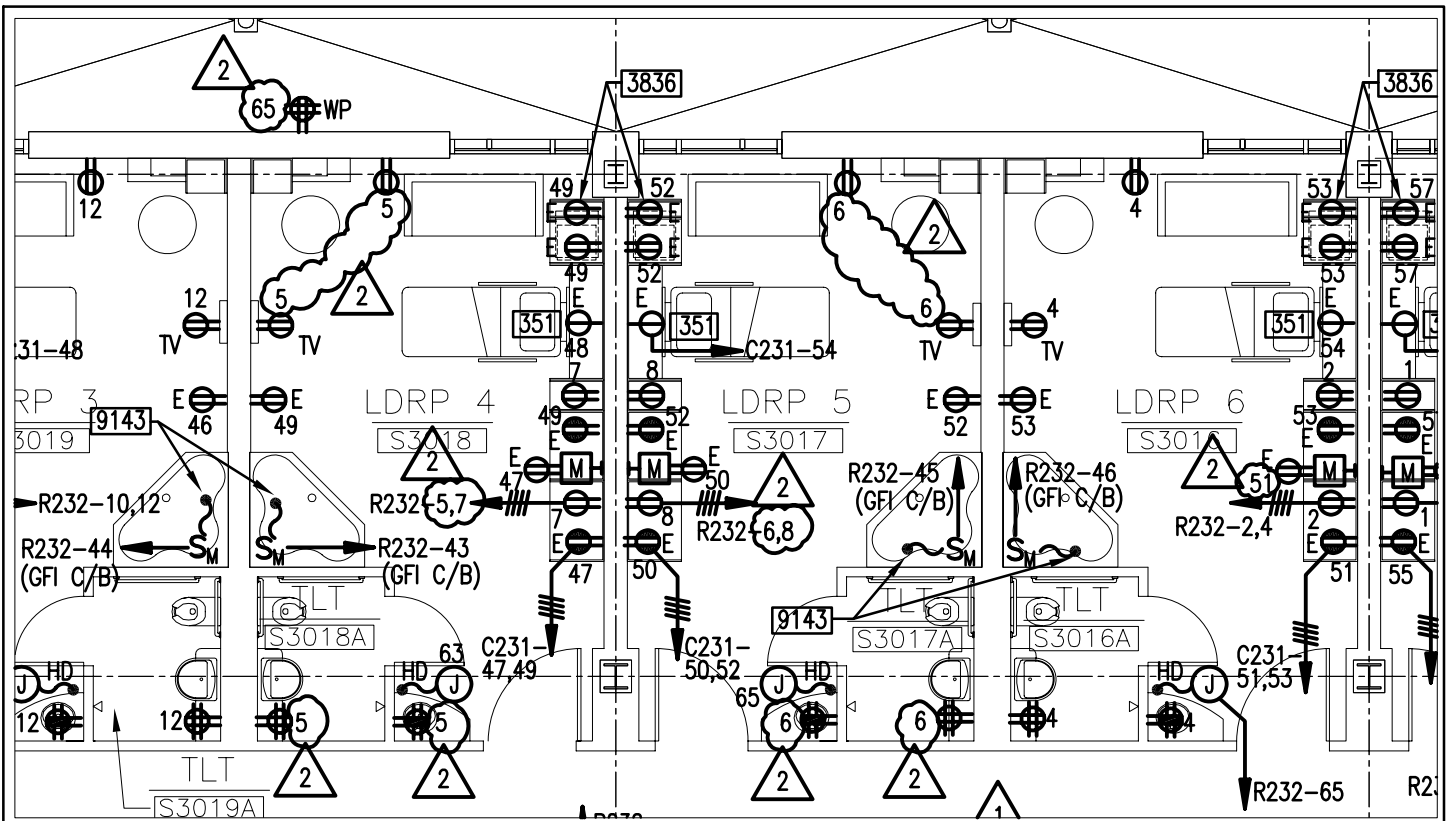
Scale
 1/8" = 1'-0"

Drawing No.
 SKE-8

Revision to :
 E1-2

Project No.
 F05-4898

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Drawing Title
 ELECTRICAL POWER PLAN
 LEVEL 3

Revisions
 Addendum #2

Date
 12/06/06

Scale
 1/8" = 1'-0"

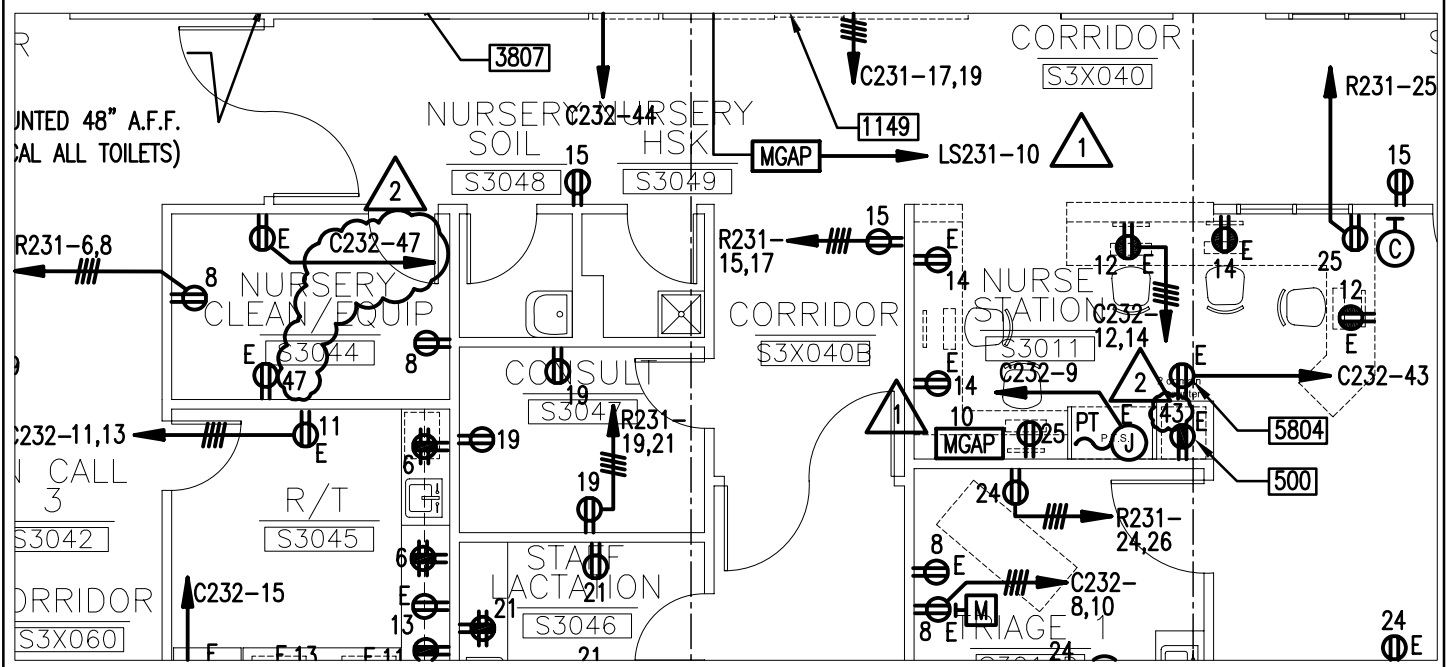
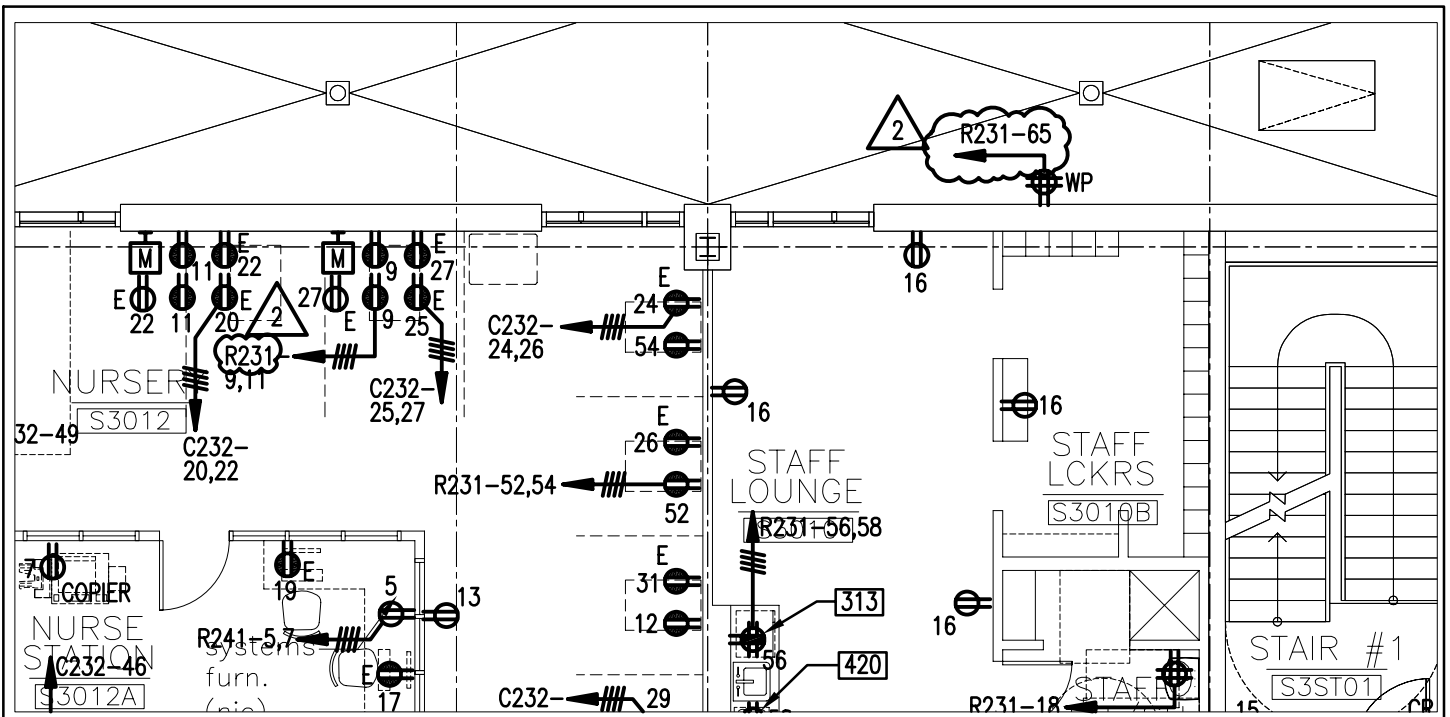
Drawing No.
 SKE-9

Revision to :
 E1-3

Project No.
 F05-4898

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Francis Cauffman Foley Hoffmann	Project Title Mercy Health System of Maine FORE RIVER SHORT STAY HOSPITAL MERCY	Revisions Addendum #2	Drawing No. SKE-10 Revision to : E1-3 Project No. FO5-4898 Drawn By LMD
The Crown Building, Suite 201 304 S. Franklin St. Syracuse, N.Y. 13202 315-423-0463	Drawing Title ELECTRICAL POWER PLAN LEVEL 3	Date 12/06/06 Scale 1/8"=1'-0"	

FOOD SERVICE S3041-SCHEDULE OF EQUIPMENT

INDICATES SHUNT
BREAKER CONNE
HOOD SUPPRESS

ITEM	DESCRIPTION	LOAD			VOLTAGE	CIRCUIT BREAKER	CONNECTION		PANEL/ CIRCUIT (ST)	FEE
		HP	KW	AMP			PLUG-IN	DIRECT		
E1	REFRIGERATOR/FREEZER	1/5- 1/3	-	14A	120V	20A-1P	●		C231-76	2#12
E2	ICE/WATER DISPENSER	-	-	12A	120V	20A-1P		●	C231-78	2#12
E3	ICED TEA BREWER	-	-	15A	120V	20A-1P ²	●		KP23-1	2#12
E4	COFFEE BREWER	-	-	30A	120/208-1φ	30A-2P	●		KP23-2,4	3#10
E5A	CONVENIENCE OUTLET	-	-	16A	120V	20A-1P	●		KP23-3	2#12
E5B	CONVENIENCE OUTLET	-	-	16A	120V	20A-1P	●		KP23-5	2#12
E5C	CONVENIENCE OUTLET	-	-	16A	120V	20A-1P	●	²	KP23-10	2#12
E6	MICROWAVE OVEN	-	1.2	10A	120V	20A-1P	●		KP23-7	2#12
E7	SODA DISPENSER	-	-	10A	120V	20A-1P ²	●		KP23-9	2#12
E8	AMBIENT CARBONATOR	-	-	7A	120V	20A-1P	●		KP23-11	2#12
E9	REFER TO COMMUNICATION DRAWINGS									
E10A	CONVENIENCE OUTLET	-	-	16A	120V	20A-1P	●		KP23-6	2#12
E10B	CONVENIENCE OUTLET	-	-	16A	120V	20A-1P	●		KP23-8	2#12
E11	E.C TO PROVIDE EMPTY CONDUIT W/JUNCTION BOX FOR OWNER SUPPLIED POS/COMPUTER SYSTEM. VERIFY REQUIREMENTS AND LOCATION WITH									

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Mercy Health System of Maine
FORE RIVER SHORT STAY HOSPITAL



Drawing Title
ELECTRICAL POWER PLAN
LEVEL 3

Revisions
Addendum #2

Date
12/06/06

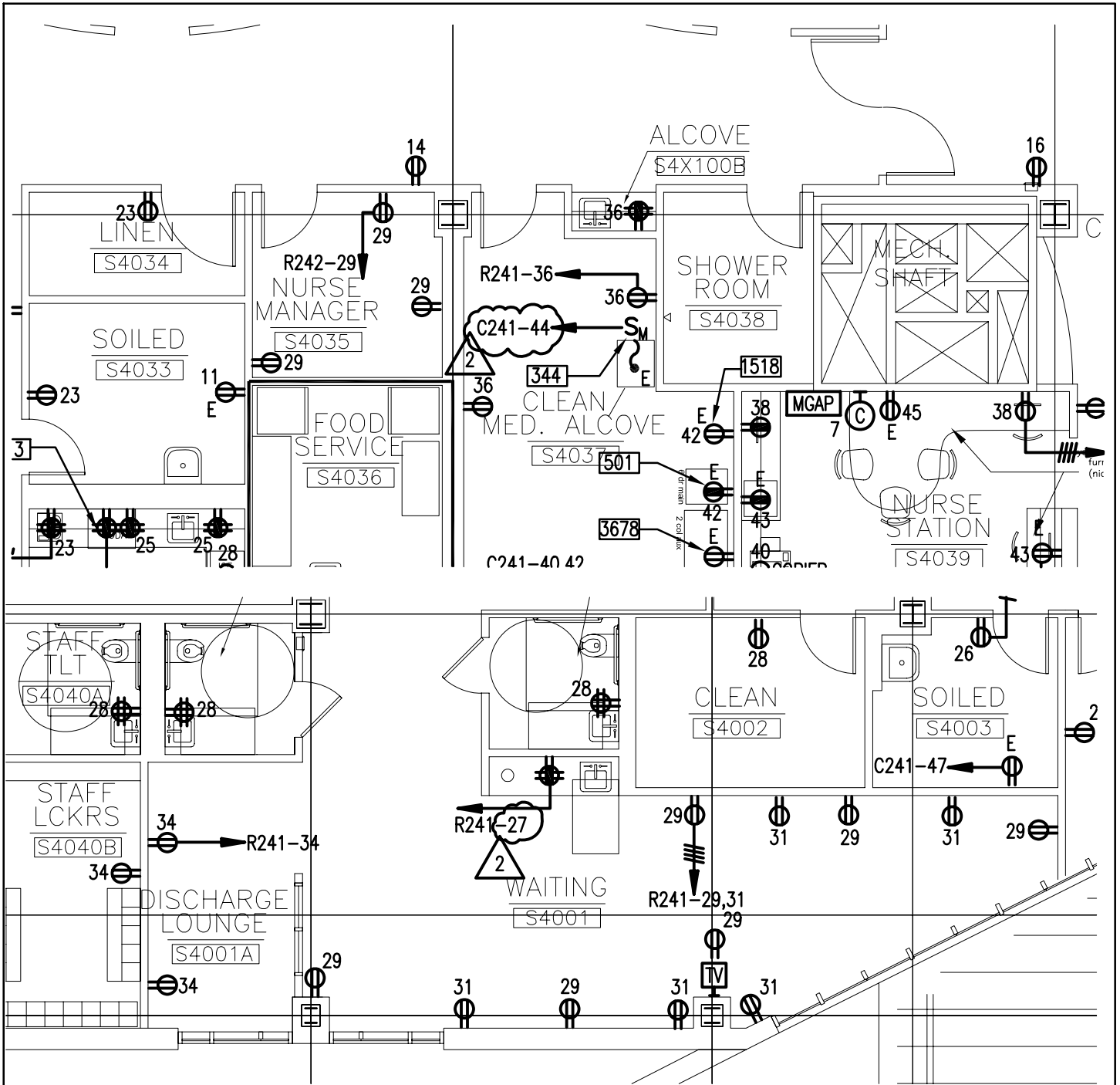
Scale
1/8"=1'-0"

Drawing No.
SKE-11

Revision to :
E1-3

Project No.
F05-4898


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 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

 **MERCY**

Drawing Title
 ELECTRICAL POWER PLAN
 LEVEL 4

Revisions
 Addendum #2

Date
 12/06/06

Scale
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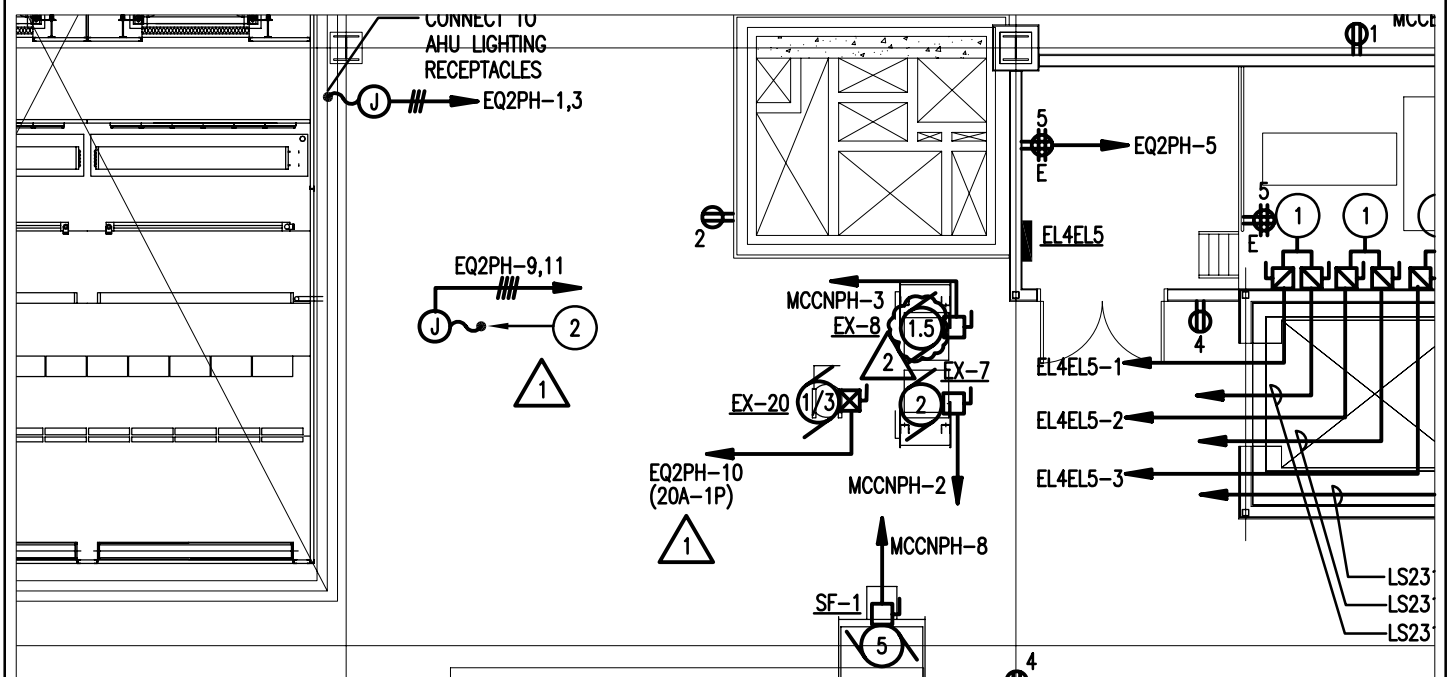
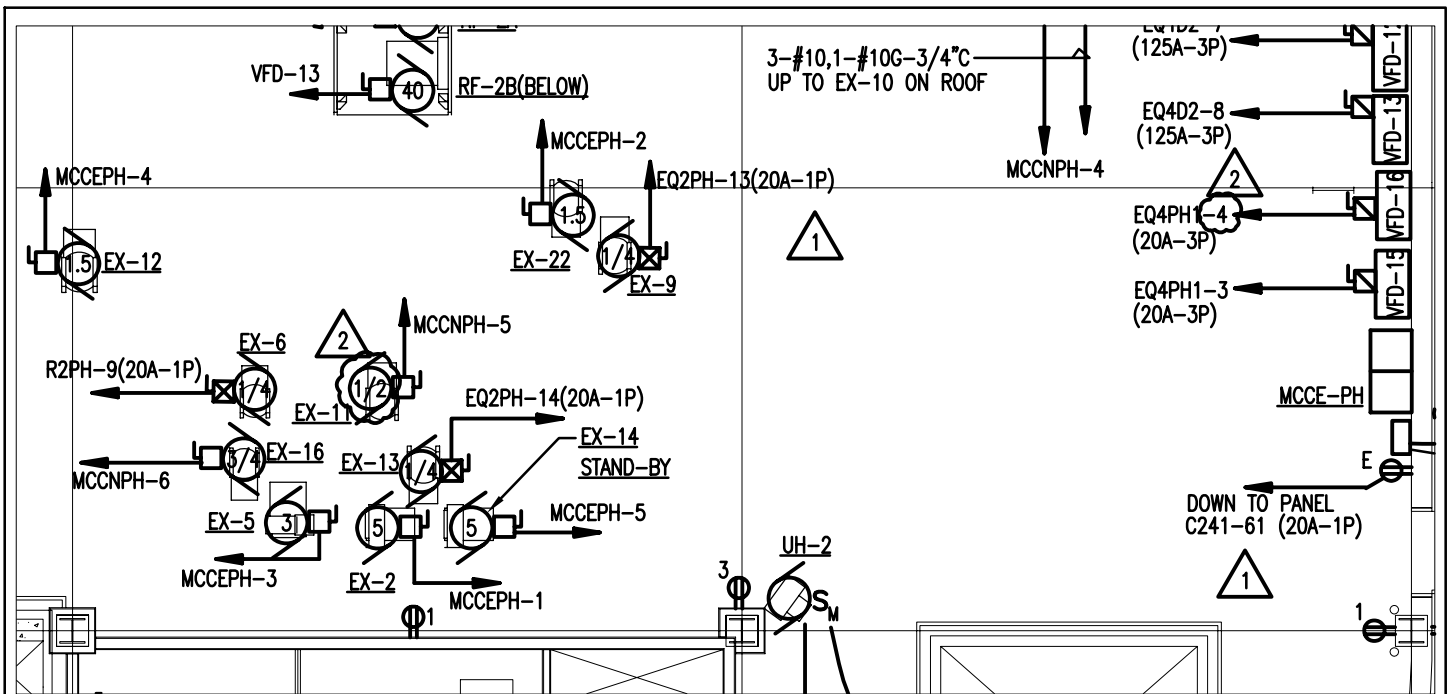
Drawing No.
 SKE-12

Revision to :
 E1-4

Project No.
 F05-4898

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 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 ELECTRICAL POWER PLAN
 PENTHOUSE

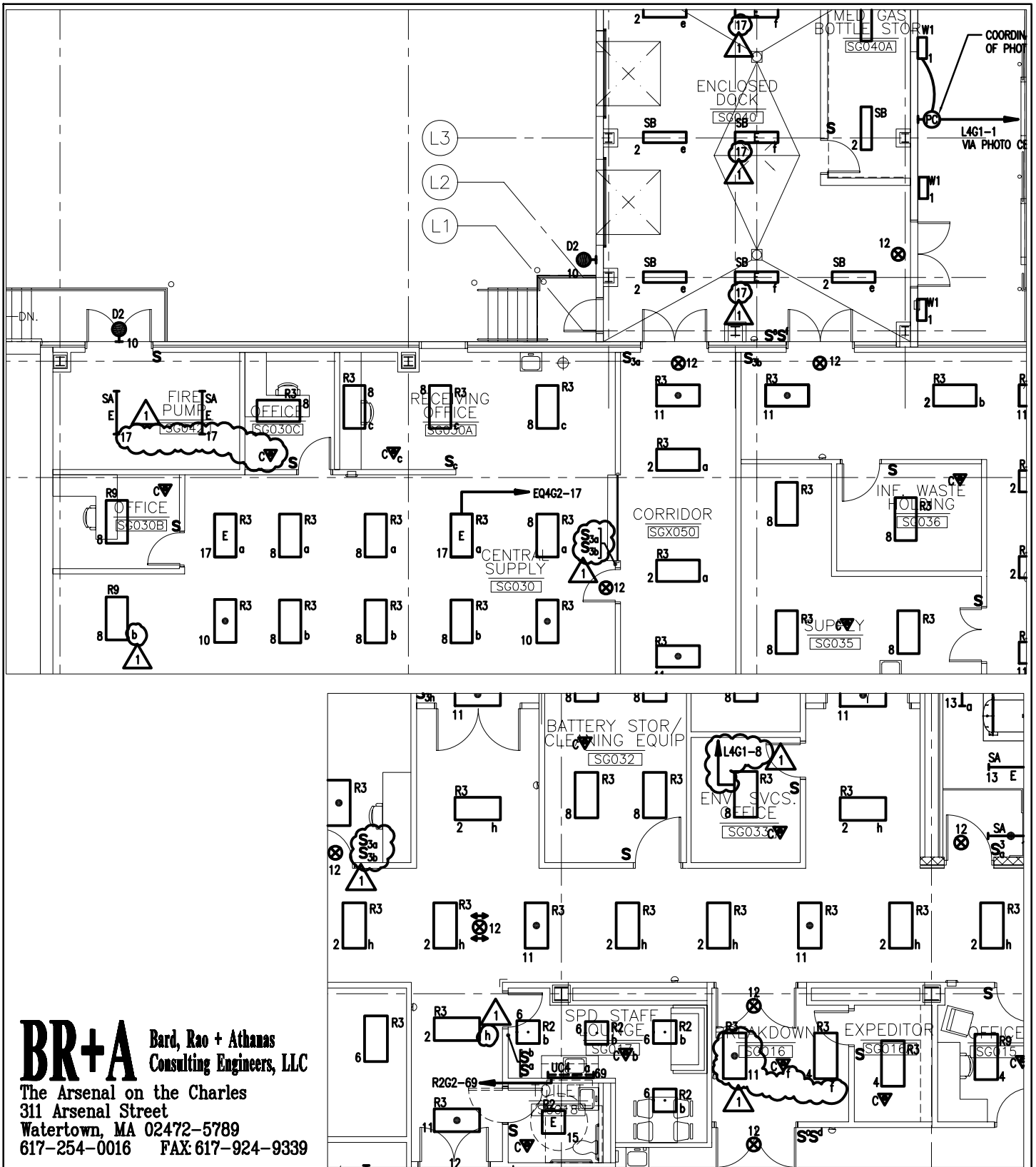
Revisions
 Addendum #2

Date
 12/06/06
 Scale
 1/8" = 1'-0"

Drawing No.
 SKE-13

Revision to :
 E1-5
 Project No.
 F05-4898
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 FORE RIVER SHORT STAY HOSPITAL

 **MERCY**

Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL G

Revisions
 Addendum #2

Date
 12/06/06

Scale
 1/8" = 1'-0"

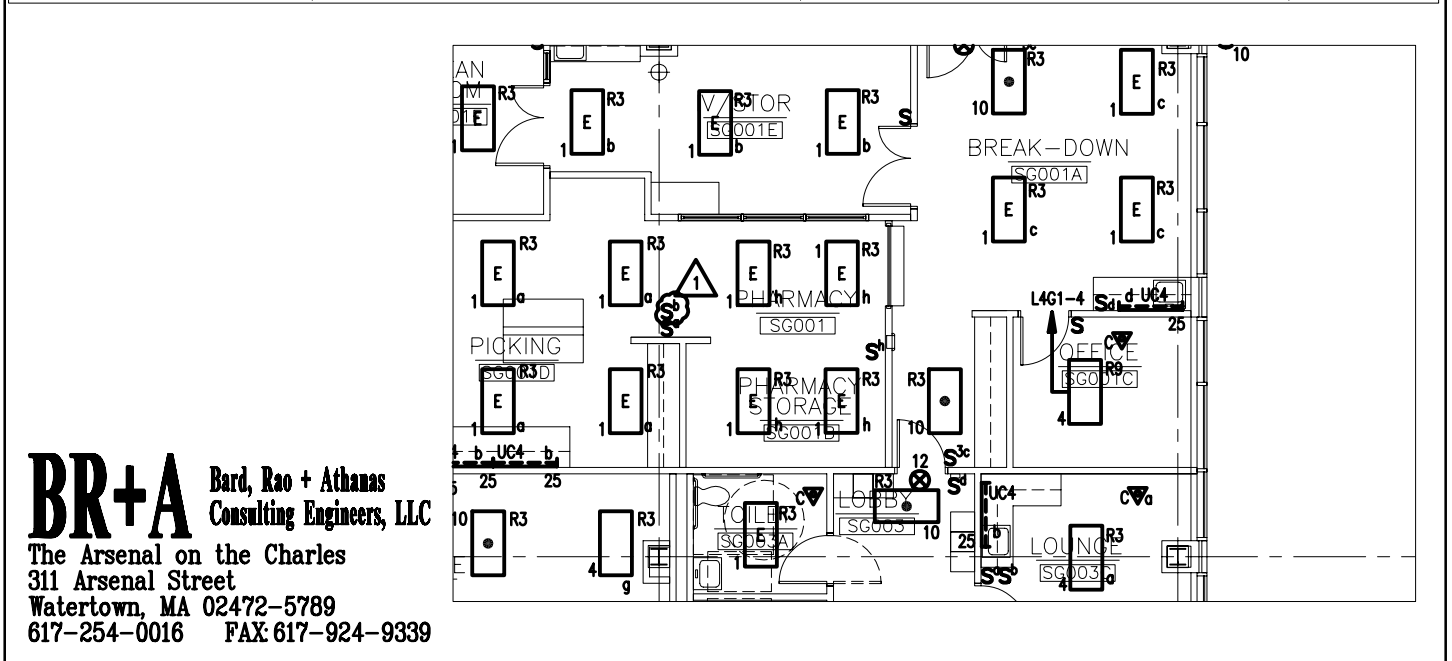
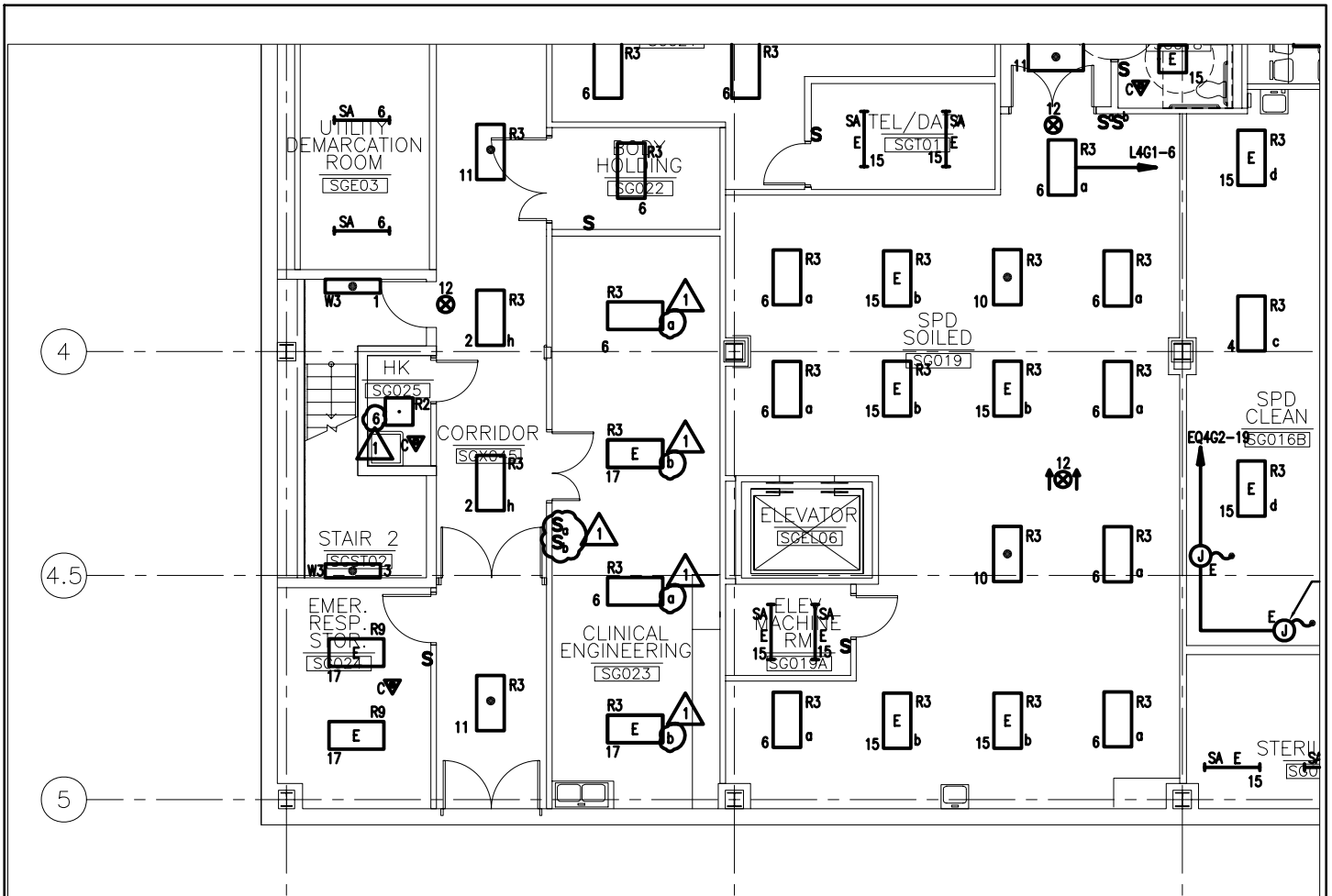
Drawing No.
 SKE-14

Revision to :
 E2-G

Project No.
 F05-4898

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 FORE RIVER SHORT STAY HOSPITAL

 **MERCY**

Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL G

Revisions
 Addendum #2

Date
 12/06/06

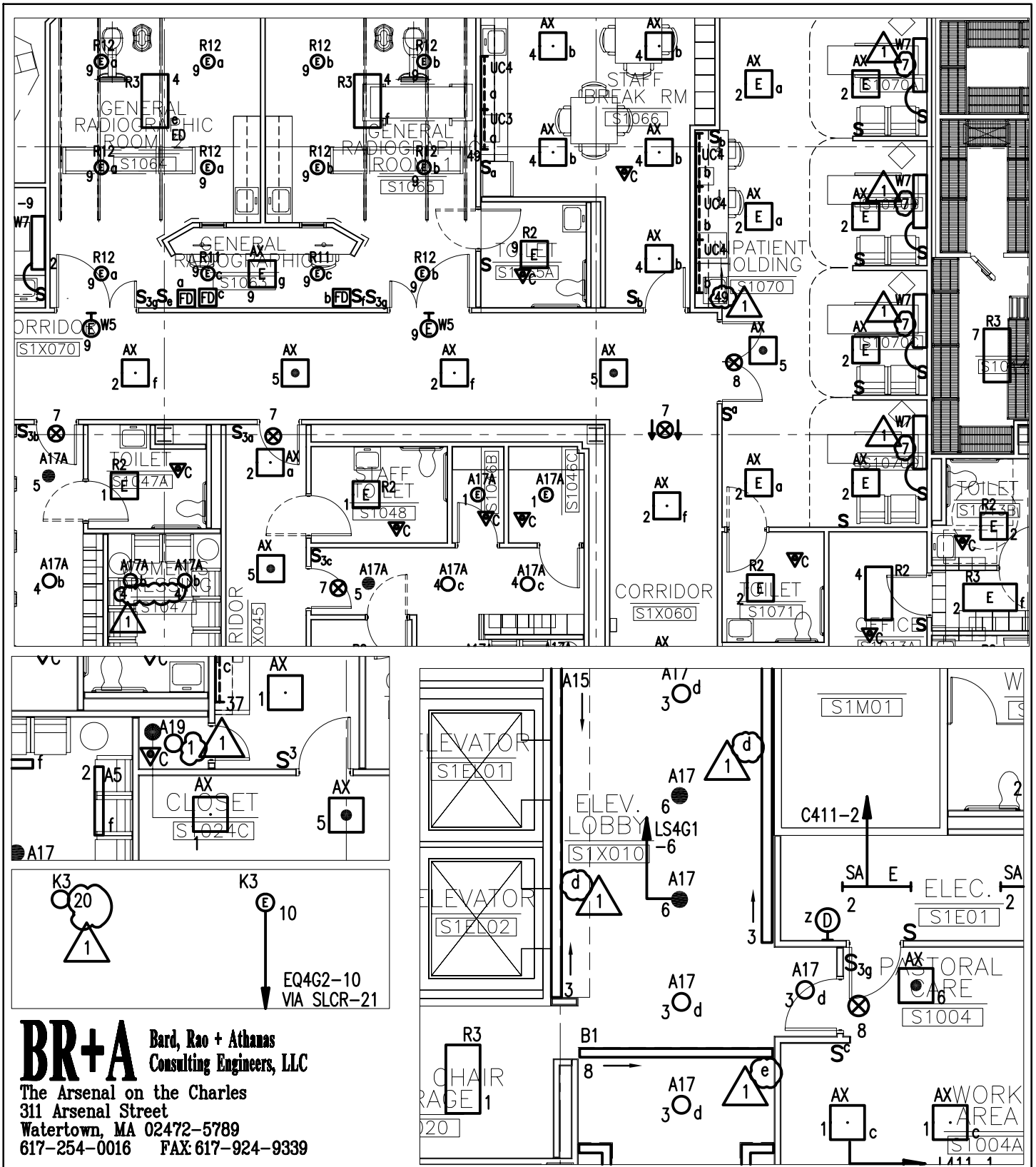
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Drawing No.
 SKE-15

Revision to :
 E2-G

Project No.
 F05-4898

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 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL 1

Revisions
 Addendum #2

Drawing No.
 SKE-16

Revision to :
 E2-1

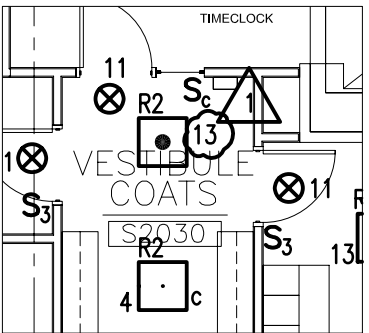
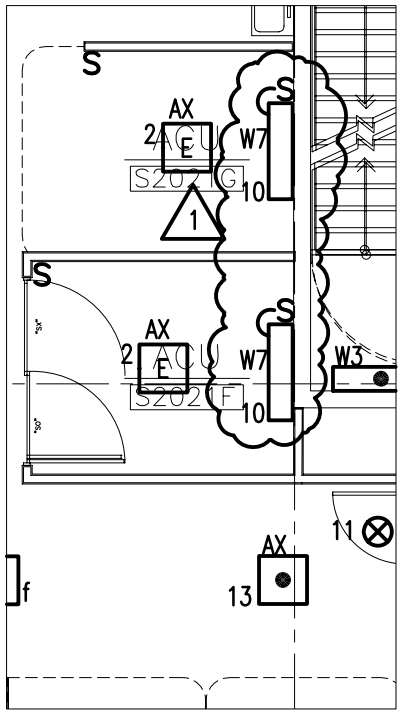
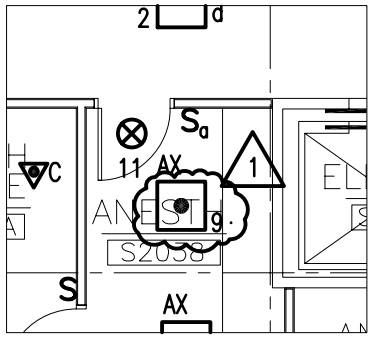
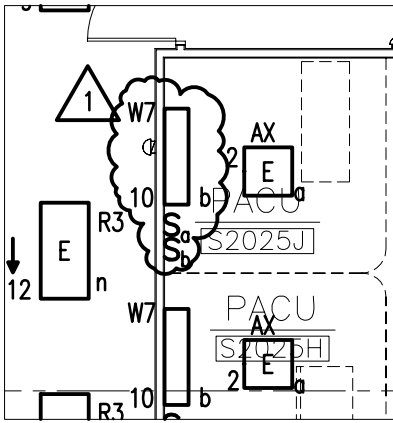
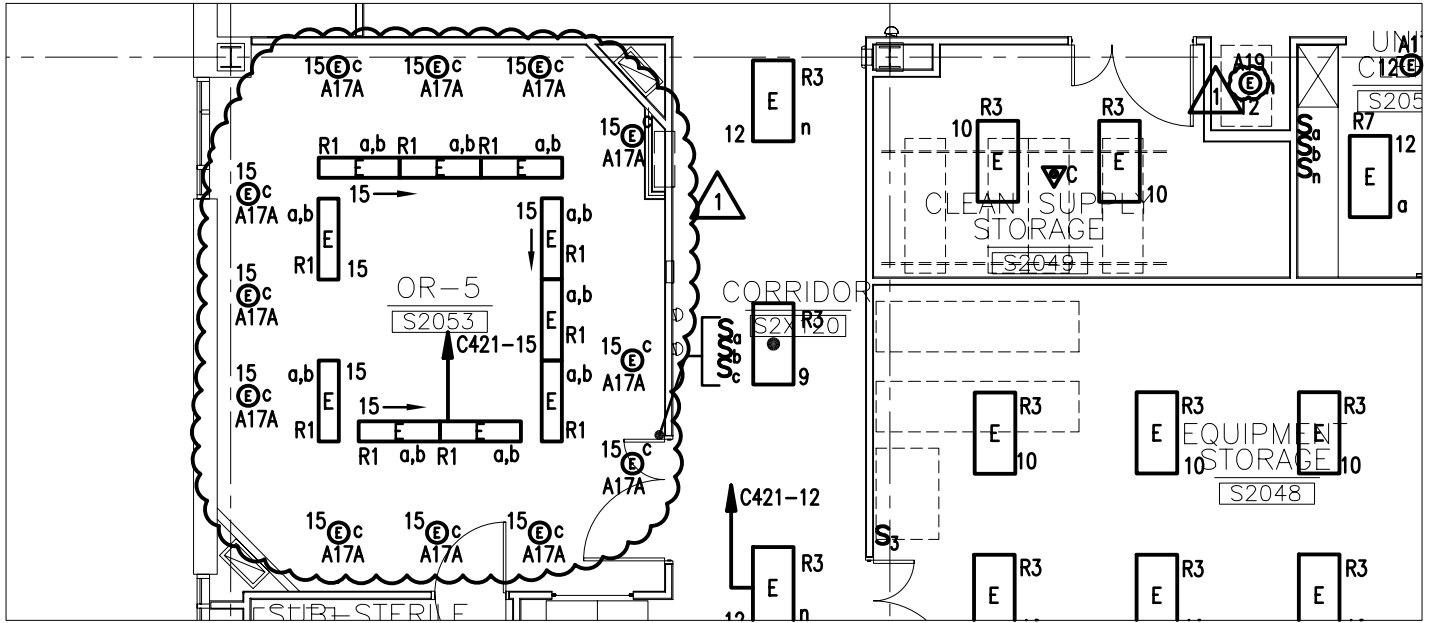
Date
 12/06/06

Project No.
 F05-4898

Scale
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 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL 2

Revisions
 Addendum #2

Drawing No.
 SKE-17

Revision to :
 E2-2

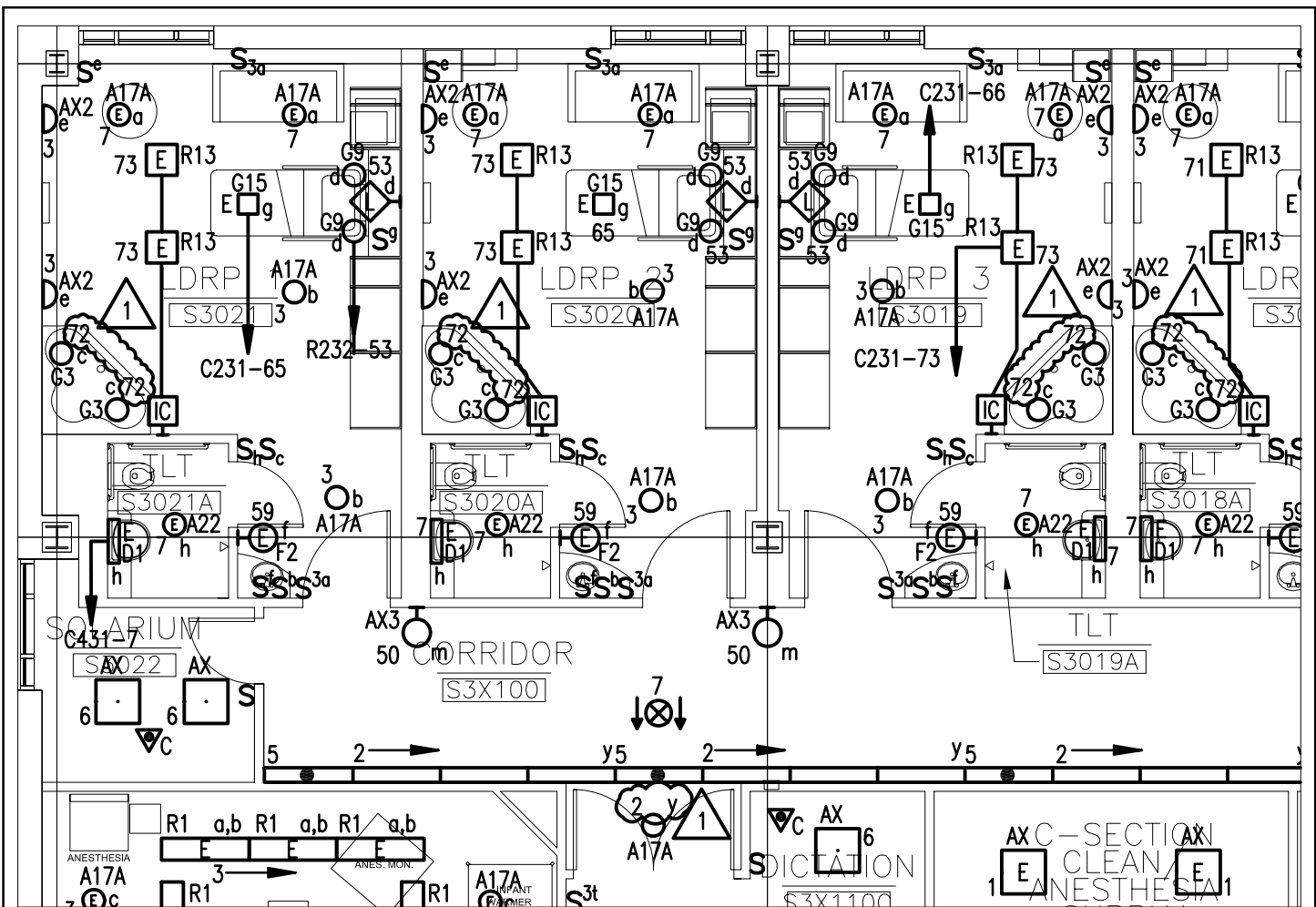
Date
 12/06/06

Project No.
 F05-4898

Scale
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Project Title
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 FORE RIVER SHORT STAY HOSPITAL

MERCY

Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL 3

Revisions
 Addendum #2

Date
 12/06/06

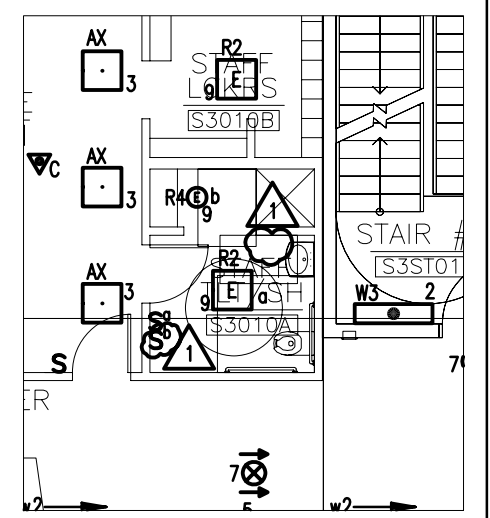
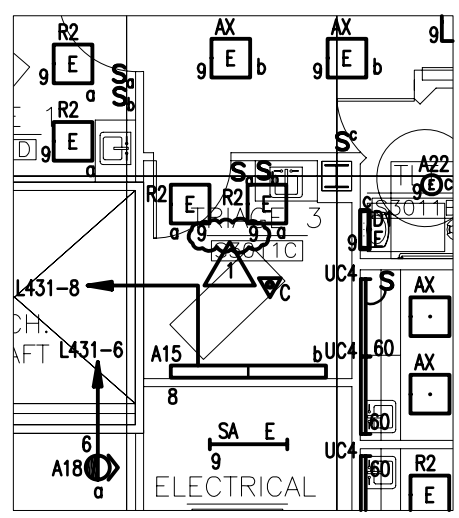
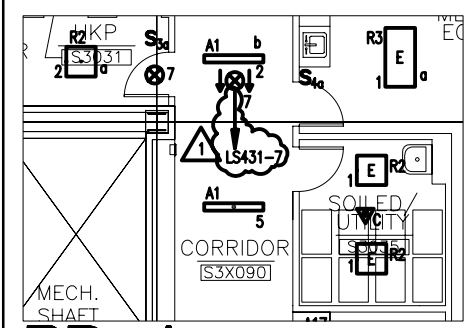
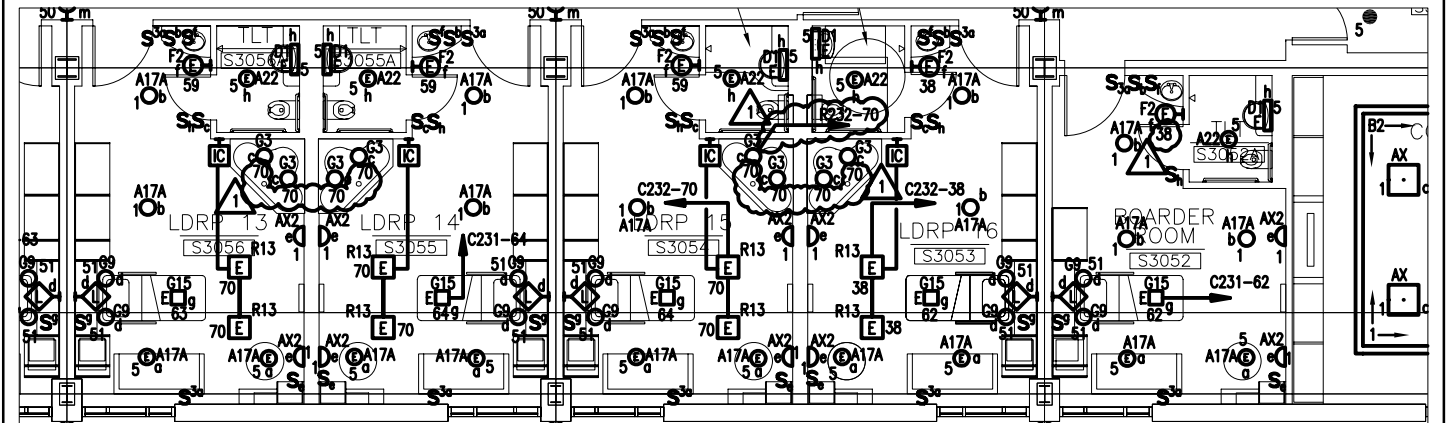
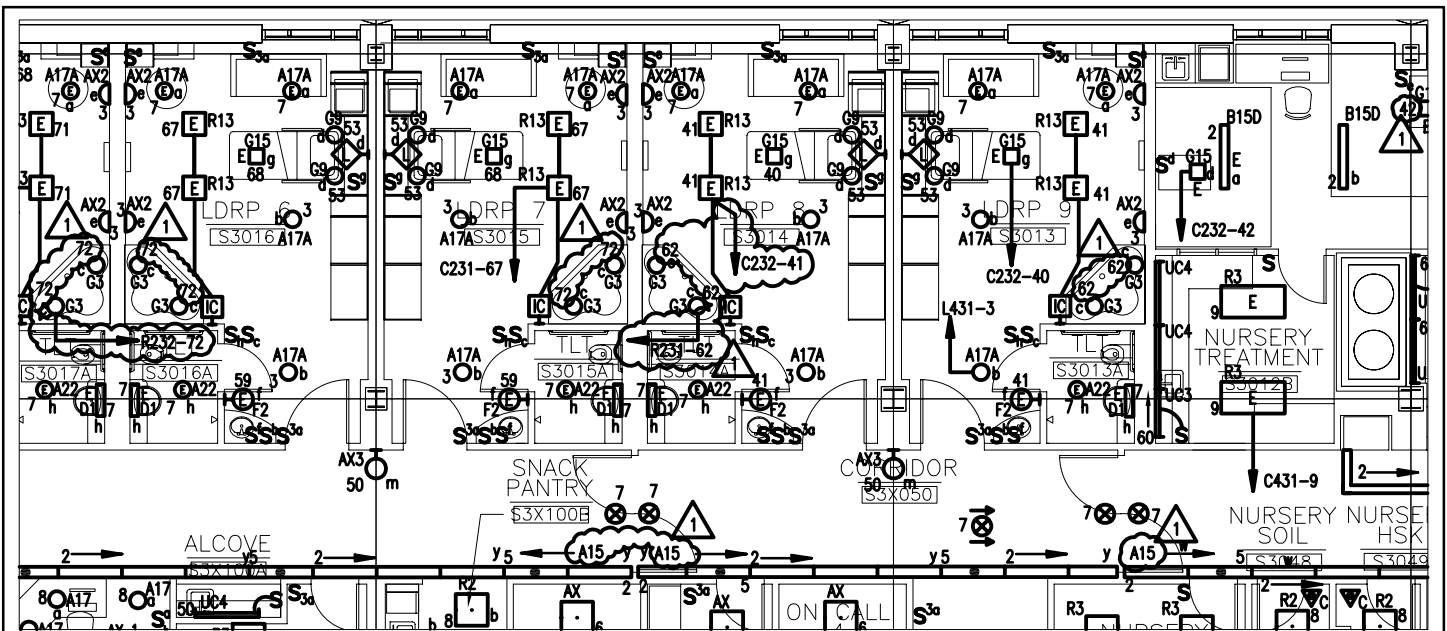
Scale
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Drawing No.
 SKE-18

Revision to :
 E2-3

Project No.
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MERCY

Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL 3

Revisions
 Addendum #2

Date
 12/06/06

Scale
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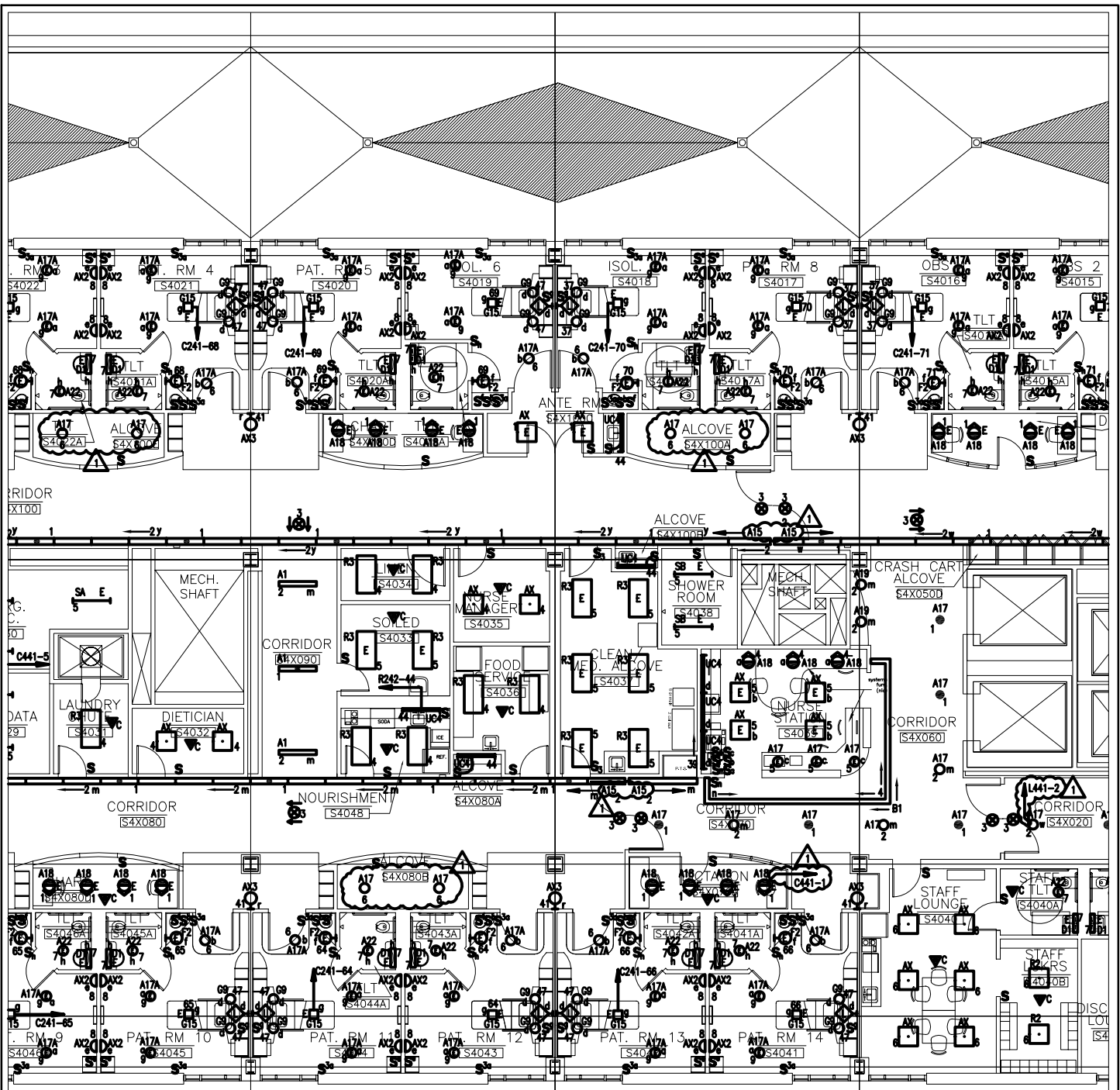
Drawing No.
 SKE-19

Revision to :
 E2-3

Project No.
 F05-4898

Drawn By
 LMD

The Crown Building, Suite 201
 304 S. Franklin St.
 Syracuse, N.Y. 13202
 315-423-0463




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Francis
 Cauffman
 Foley
 Hoffmann

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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL

 **MERCY**

Drawing Title
 ELECTRICAL LIGHTING PLAN
 LEVEL 4

Revisions
 Addendum #2

Date
 12/06/06

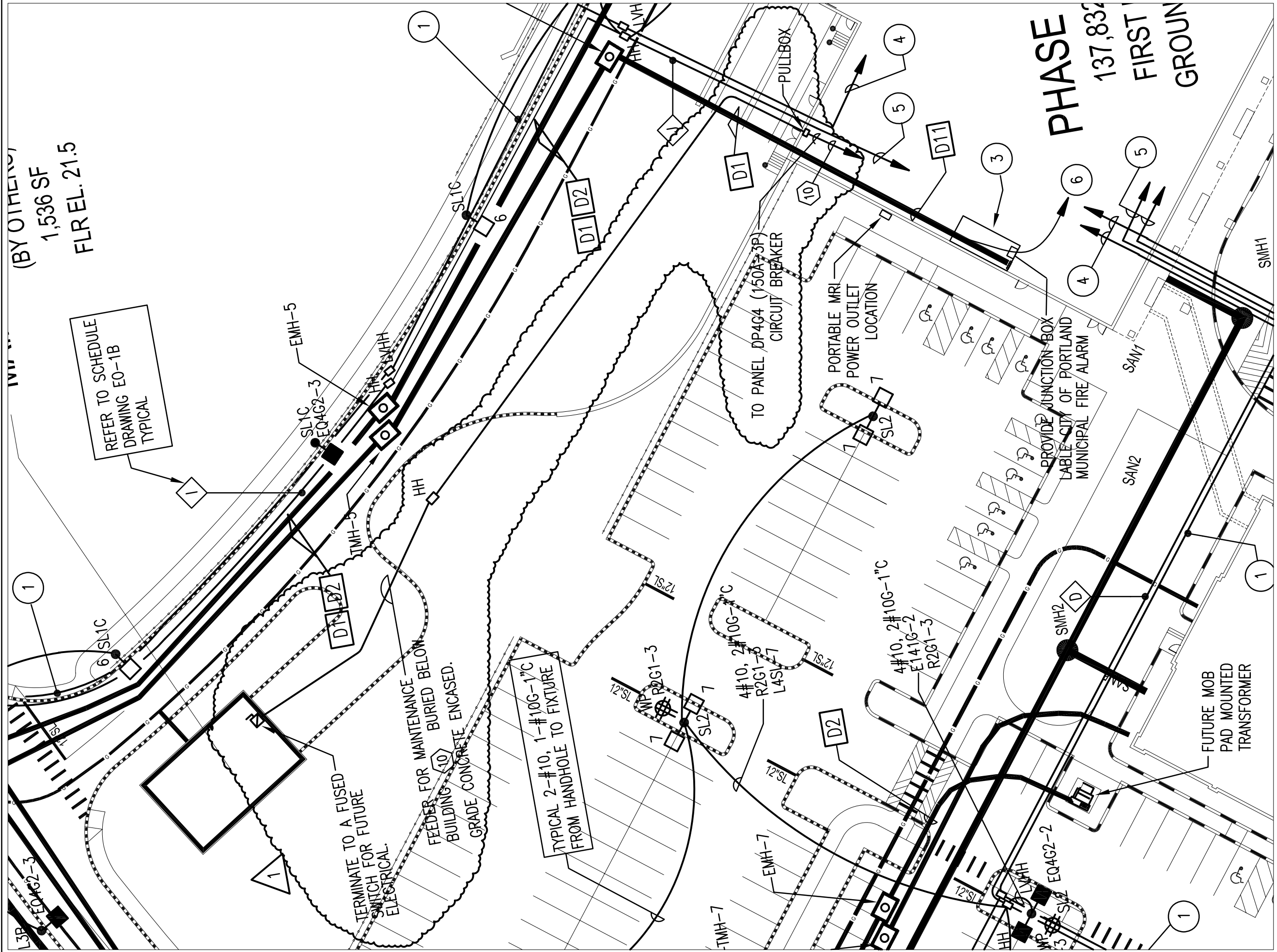
Scale
 1/8"=1'-0"

Drawing No.
 SKE-20

Revision to :
 E2-4

Project No.
 F05-4898

Drawn By
 LMD



(BY OTHERS)
1,536 SF
FLR EL. 21.5

REFER TO SCHEDULE
DRAWING EO-1B
TYPICAL

TERMINATE TO A FUSED
SWITCH FOR FUTURE
ELECTRICAL.

FEEDER FOR MAINTENANCE
BURIED BELOW
BUILDING
GRADE CONCRETE ENCASED.


TYPICAL 2-#10, 1-#10G-1\"/>

TO PANEL DP4G4 (150A) 3P
CIRCUIT BREAKER

PORTABLE MRI
POWER OUTLET
LOCATION

PHASE
137,832
FIRST
GROUND

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Francis	Project Title	Revisions	Drawing No.
Cauffman	Mercy Health System of Maine	Addendum #2	SKE-21
Foley	FORE RIVER SHORT STAY HOSPITAL		Revision to : E-01A
Hoffmann	 MERCY	Date	Project No.
	The Crown Building, Suite 201 304 S. Franklin St. Syracuse, N.Y. 13202 315-423-0463	12/06/06	F05-4898
	Drawing Title	Scale	Drawn By
	ELECTRICAL SITE PLAN	1/8"=1'-0"	LMD

E-16	REFRIGERATOR	1/2	-	12.0A	120V	20A-1P	●		KP211-2	2#1
E-17A	EXHAUST HOOD	-	-	10A	120V	20A-1P		●	KP211-4	2#1
E-17B	EXHAUST HOOD	-	-	10A	120V	20A-1P		●	KP211-50	2#1
E-18A	FIRE SUPPRESSION SYSTEM	-	-	15A	120V	20A-1P		●	LS2G1-1	2#1
E-18B	FIRE SUPPRESSION SYSTEM	-	-	15A	120V	20A-1P		●	LS2G1-3	2#1
E-19	3-WELL HOT FOOD UNIT	-	3.7	10.3A	208V-3Ø	20A-3P		●	KP212-7,9,11	3#1
E-20	TOASTER	-	1.8	15A	120V	20A-1P	●		KP212-13	2#1
E-21	REFRIGERATED SANDWICH UNIT	1/3	-	8.6A	120V	20A-1P	●		KP212-15	2#1
E-22	HEATED PLATE DISPENSER	-	3.2	16.3	208V-1Ø	20A-2P	●		KP212-17,19	2#1
E-23	INDUCTION CHARGER	-	1.8	15A	120V	20A-1P	●		KP212-21	2#1
E-24	MICROWAVE OVEN	-	1.2	17.8A	120V	30A-1P	●		KP212-23	2#1
E-25	CUBE ICE MAKER	-	-	5.5A	208V-1Ø	20A-2P	2	●	2 KP212-63,65	2#1
E-26	ICED TEA BREWER	-	-	15A	120V	20A-1P	●		KP212-27	2#1
E-27	COFFEE BREWER	-	-	30A	120/208V-1Ø	40A-2P	●		KP212-29,31	3#8
E-28	REFRIGERATOR	1/3	-	12.0A	120V	20A-1P	●		KP212-33	2#1
E-29	CONVEYOR	3/4	-	13.8A	208V-1Ø	20A-2P		●	KP212-35,37	2#1
E-30	DISPOSER WITH CONTROL	2.0	-	12.1A	208V-1Ø	20A-2P		●	KP212-2,4	2#1
E-31	DISHMACHINE	3-1/6	-	59.4A	208V-3Ø	80A-3P		●	DP211-5	3#3
E-32	BOOSTER HEATER	-	36	100	208V-3Ø	125A-3P		●	DP211-6	3#1
E-33	AIR CURTAIN REFRIGERATOR	-	-	16.1A	208V-1Ø	20A-2P	●		KP212-8,10	2#1
E-34	2-WELL HOT/COLD FOOD UNIT	1/4	1.9	13.9A	120/208V-1Ø	20A-2P		●	KP211-8,10	3#1
E-35	REFRIGERATED SANDWICH UNIT	1/5	-	7.2A	120V	20A-1P	●		KP211-12	2#1

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Project Title
 Mercy Health System of Maine
 FORE RIVER SHORT STAY HOSPITAL



Drawing Title
 ELECTRICAL KITCHEN
 EQUIPMENT SCHEDULE

Revisions
 Addendum #2

Date
 12/06/06
 Scale
 NONE

Drawing No.
 SKE-24

Revision to :
 E5-6

Project No.
 F05-4898

Drawn By
 LMD