



ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

ADDENDUM

PROJECT: Memorial Health Care Systems
2014 W Addn & Remodel / Radiology Addn & Remodel
Bid Package 2 - Building Construction
Seward, Nebraska

ADDENDUM NUMBER

AD-1

ISSUED BY:

Darin Horst, Architect
Celeste Kovar, Interior Designer
Bryce Johnson, Mechanical Engineer
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PROJECT #: 13-0144

DATE ISSUED: Thursday, July 31, 2014

This addendum is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.

BIDDER MUST ENTER THE NUMBER OF THIS ADDENDUM ON HIS PROPOSAL SHEET

THE FOLLOWING ITEMS ARE APPLICABLE TO THE SPECIFICATIONS:

AD-1, ITEM 1:

In reference to Section 012300 Alternates, add Alternate No. 5 reading as follows:

- E. Alternate No. 5:
 1. Alternate: Provide Vapor Lock 20/20 concrete admixture from Specialty Products Group at all new interior concrete slabs (except the roof) versus Ardex Moisture Control System on new slabs to receive finished floors areas.
 2. Alternate: Provide Vapor Lock 10/10 from Specialty Products Group at all new concrete infill locations and surrounding existing areas to receive new flooring in the remodeled areas versus Ardex Moisture Control System in those same spaces.

AD-1, ITEM 2:

In reference to Section 030513 - Concrete Water Vapor Reducing Admixture, entire section is attached and to be added to the specification booklet.

AD-1, ITEM 3:

In reference to Section 064116 - Plastic-Laminate-Faced Architectural Cabinets, delete Article 1.3 and revise Article 1.4 to read as follows:

- A. Fabricator Qualifications: A minimum of 5 years experience in commercial casework fabrication.
- B. Installer Qualifications: A minimum of 5 years experience in commercial casework installation.

AD-1, ITEM 4:

In reference to **Specification Section 064219 Plastic-Laminate-Faced Wood Paneling**, delete section 1.3 and revise section 1.4 to read as follows:

- A. Fabricator Qualifications: A minimum of 5 years experience in commercial casework fabrication.
- B. Installer Qualifications: A minimum of 5 years experience in commercial casework installation.

AD-1, ITEM 5:

In reference to **Section 072610 - Ardex Moisture Control System**, entire section is attached and to be added to the specification booklet.

AD-1, ITEM 6:

In reference to **Section 086200 - Unit Skylights**, add Bristolite Daylighting Systems to the list of accepted manufactures under section 2.1(A)

AD-1, ITEM 7:

In reference to **Section 096516 - Resilient Sheet Flooring**, please note the following changes and additions:

- RSF-2 is no longer used.
- RSF-3 Shall now be Gerflor USA, Taraflex Surface, Color Horizon
- RSF-4 Shall be Forbo Marmoleum Real, Color Marley Grounds, 3249 (A linoleum product – shall be warranted and installed to meet manufacturers recommendations with heat welded seams and flash coving where indicated).

AD-1, ITEM 8:

In reference to **Section 099666 - Water Vapor Emission Control Systems**, entire section is attached and to be added to the specification booklet.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS:

AD-1, ITEM 9:

In reference to **Sheet AD1-1B**, revise demolition plan as shown on attached Supplemental Drawing AD1-1B.1.

AD-1, ITEM 10:

In reference to **Sheet A1-3B**, see revisions on attached Supplemental Drawing A1-2B.1.

AD-1, ITEM 11:

In reference to **Sheet A1-3B**, revise second level floor plan as shown on attached Supplemental Drawing A1-3B.1.

AD-1, ITEM 12:

In reference to **Sheet A1-4B**, revise roof level plan as shown on attached Supplemental Drawing A1-4B.1.

AD-1, ITEM 13:

In reference to Sheet A2-3, revise curtain wall as shown on attached Supplemental Drawing A2-3.1.

AD-1, ITEM 14:

In reference to Sheet A4-2, add roof eave detail as shown on attached Supplemental Drawing A4-2.1. Add roof ridge detail as shown on attached Supplemental Drawing A4-2.2. Revise Wall Section 1 as shown on attached Supplemental Drawing A4-2.3.

AD-1, ITEM 15:

In reference to Sheet A4-3 and all wall sections, revise drain tile location as shown on attached Supplemental Drawing A4-3.1.

AD-1, ITEM 16:

In reference to Sheet A4-4, revise exterior sheathing as shown on attached Supplemental Drawing A4-4.1.

AD-1, ITEM 17:

In reference to Sheet A4-5, add Wall Detail 5 as shown on attached Supplemental Drawing A4-5.1. Add Wall Detail 20 as shown on attached Supplemental Drawing A4-5.2. Add Wall Detail 23 as shown on attached Supplemental Drawing A4-5.3.

AD-1, ITEM 18:

In reference to Sheet A4-6, revise Plan Detail 13 as shown on attached Supplemental Drawing A4-6.1.

AD-1, ITEM 19:

In reference to Sheet A6-2, add crash rails to room B121 as shown on attached Supplemental Drawing A6-2.1.

AD-1, ITEM 20:

In reference to Sheet A6-2, add expansion joints as shown on attached Supplemental Drawing A6-2.2.

AD-1, ITEM 21:

In reference to Sheet A6-4, revise casework elevations as shown on attached Supplemental Drawing A6-4.1 and A6-4.2.

AD-1, ITEM 22:

In reference to Sheet A6-4 & A6-5, revise tile elevations as shown on attached Supplemental Drawings:

A6-4.3, A6-4.4 and A6-4.5 for Aqua Therapy Toilets (B015 & B016– Pattern is also typical for Aqua Therapy B012).

A6-4.6, A6-4.7 for the Sleep Lab Toilets. (B145 & B146)

A6-4.8, A6-5.1 for Specialty Clinic Toilets and 2nd Floor Toilets.(B123, B124, B215 & B216)

(Note: tile as indicated on room finish schedule on sheet I-2B, drawings provided for additional clarification, pattern typical for ALL walls in areas identified.).

AD-1, ITEM 23:

In reference to **Sheet A6-8**, add casework sections as shown on attached Supplemental Drawing A6-8.1, A6-8.2, A6-8.3 and A6-8.4.

AD-1, ITEM 24:

In reference to **Sheet A8-1**, add floor expansion joint as shown on attached Supplemental Drawing A8-1.1.

AD-1, ITEM 25:

In reference to **Sheets I-0B, I-1A, I-1B, & I-2B**, refer to enlarged dimensioned plans for floor pattern on attached supplemental drawings I-0B.1, I-0B.2, I-0B.3, I-1B.1, I-2B.1, I-2B.2.

AD-1, ITEM 26:

In reference to **Sheet I-1A**, please note that there is an incorrect label of CPT-1 in the Lobby area, please disregard area is hatched, labeled, and indicated on the Room Finish Schedule to be CPT-5.

AD-1, ITEM 27:

In reference to **Sheet I-2B**, please note the following regarding the Room Finish Schedule & Material Legend:

Regarding the Room Finish Schedule:

Rooms B137 & B149 shall now have flooring type RSF-4

Note 11 & 21 do NOT apply for rooms B145 & B146

The wall finish for Stairs 1G & 1H shall be PT-2. Notes 21, 23, 33, & 35 do NOT apply.

Note 21 should read " At 48" AFF install a 6" high continuous band of GMT-1, cap with the bullnose piece coordinating with **PCT-4**. Apply wallcovering WC-2 above.

The soffits in the following areas shall be accented with PT-5:
A128, A127, A126 (above nurses station casework)
B108, B104, B106, B111 (curved soffits)
D103

The soffits in the following areas shall be accented with PT-6:
B001 (Curved soffit above elevator entry only)

The soffits in the following areas shall be accented with PT-7:
A137, A138 (above casework)
B107, B109, B110, B114, B115, B116, B118, B119, B120, B121, B126, B127, B128, B130, B131,
B137, B138, B149 (above casework)

The soffits in the following areas shall be accented with PT-8:
B201 (curved soffit above elevator entry)
B202, B202b, B203, B204, B205, B206, B210, B211, B212, B213 (Above casework)

As a matter of clarification, laminate and solid surface locations can be found noted on the Room Finish Schedule.

Add the following to the Material Legend:

G-4, which shall be utilized in area A131.

RSF-3 Shall now be Gerflor USA, Taraflex Surface, Color Horizon (NOTE: Product color is discontinued and minimum stock is available – product is on a short term hold and must be ordered as soon as possible).

RSF-4 Shall be Forbo Marmoleum Real, Color Marley Grounds, 3249

AD-1, ITEM 28:

In reference to Sheet M1-0B, revise piping as shown on attached Supplemental Drawing M1-0B.1

AD-1, ITEM 29:

In reference to Sheet M1-1B, revise piping as shown on attached Supplemental Drawing M1-0B.1

AD-1, ITEM 30:

In reference to Sheet ED1-1B, revise lighting to be removed as shown on attached Supplemental Drawing ED1-1B.1

AD-1, ITEM 31:

In reference to Sheet ED2-1A, revised demolition power plan for relocated devices as shown on attached Supplemental Drawing ED2-1A.1

AD-1, ITEM 32:

In reference to Sheet E1-1B, revise lighting to add light fixture “P2” as shown on attached Supplemental Drawing E1-1B.1

AD-1, ITEM 33:

In reference to Sheet E2-1A, revise power plan for added GE CT equipment information” as shown on attached Supplemental Drawing E2-1A.1.

AD-1, ITEM 34:

In reference to Sheet E6-2, revise light fixture schedule to add and revise fixtures “N1” & “P2 as shown on attached Supplemental Drawing E6-2.1.

END AD-1

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SECTION 03 05 13 - CONCRETE WATER VAPOR REDUCING ADMIXTURE

PART 1 - GENERAL

1.1 CONDITIONS AND REQUIREMENTS

- A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

1.2 SECTION INCLUDES

- A. Water vapor reducing admixture (WVRA).

1.3 RELATED SECTIONS

- A. Division Section 033000 "Cast-in-Place Concrete.

1.4 REFERENCES

- A. ASTM International (ASTM):
 1. ASTM C494-Standard Specification for Chemical Admixtures for Concrete
 2. ASTM D5084 - Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter.
 3. ASTM E1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.
 4. ASTM E1745 - Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.

1.5 SUBMITTALS

- A. Submit under provisions of Section 013300 "Submittal Procedures."
- B. Product Data: Submit for each product specified.
- C. Material Certificates: For each material specified, signed by the manufacturer, certifying that materials meet or exceed specified requirements.
- D. Material Test Reports: For each material specified, from a qualified testing agency, indicating compliance with requirements.
- E. Warranty: Submit sample special warranty specified in this section.
- F. Field quality-control reports.

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1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm with not less than 10 years experience in manufacturing concrete water vapor reducing admixture of the type specified, capable of providing test reports indicating compliance with specified performance requirements, and able to provide on-site technical representation. Selected product must have ASTM C494 Type S Concrete Admixture approval from and independent AASHTO approved laboratory.
- B. Preinstallation Conference: Conduct conference at MHCS with Contractor, concrete water vapor reducing admixture manufacturer or authorized representative, concrete supplier, and concrete finisher to verify project requirements, substrate conditions, manufacturer's installation instructions, and manufacturer's warranty requirements. Concrete suppliers and finishers must be certified.
- C. Concrete Supplier Qualifications: The concrete supplier must be Certified by the WVRA manufacturer prior to bid, Certificates issued by the manufacturer must be submitted with bid documents.
- D. Concrete Finishers Qualifications: The concrete finisher must be Certified by the WVRA manufacturer prior to bid, Certificates issued by the manufacturer must be submitted with bid documents
- E. Moisture Testing: The WVRA supplier will perform all moisture testing. WVRA manufacturer will issue warranty prior to start of installation of flooring and moisture sensitive adhesives and coatings of any type.
- F. Bond Testing: Warranted moisture sensitive coatings and adhesives must be installed by each subcontractor in coordination with WVRA manufacturer. Bond test results will be evaluated by WVRA manufacturer as part of the Warranty process.
- G. Source Limitations: Obtain each type of concrete water vapor reducing admixture from same manufacturer.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in manufacturer's original, undamaged containers with identification labels intact.
- B. Comply with manufacturer's written instructions for handling prior to adding to concrete batch.
- C. Comply with manufacturer's written instructions for storage of WVRA.

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1.8 WARRANTY

- A. Manufacturer's Warranty: Manufacturer's standard form warranty document executed by an authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights the Owner may have under provisions of the Contract Documents.
1. Warranty Period: 10 years from date of Substantial Completion.
 2. Warranty covers performance of concrete water vapor reducing admixture as well as labor and material for flooring replacement in accordance with manufacturer's current standards and applicable test results performed in accordance with ASTM D5084.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: The concrete water vapor reducing admixture is based on Vapor Lock 20/20 manufactured by Specialty Products Group (SPG), 6254 Skyway Road, PO Box 915, Smithville ON, LOR 2A0, Canada; telephone: 877-957-4626; fax: 905-527-0606; Email: info@spggogreen.com; Web Site: <http://spggogreen.com>.
- B. Substitutions will not be considered.

2.2 MATERIALS

- A. Concrete Water Vapor Reducing Admixture (WVRA): A complex admixture for cementitious materials, free of volatile organic compounds (VOC), designed to naturally chemically react with pre-existing elements within the cementitious material to eliminate the route of moisture vapor emission by integrally and permanently closing the capillary system in the concrete with the following characteristics:
1. Waterproofing: Minimum 1×10^{-8} cm/s in accordance with ASTM D5084.
 2. Toxicity: None.
 3. Flammability: None.
 4. Solvent: Water.
 5. Acid Resistance: Excellent.
 6. Hazardous Vapors: None.
 7. Capillary Break: Calcium Silicate Hydrate.
 8. Installation: All cementitious materials.
 9. VOC Levels: Zero (0).
 10. Inhibit mold and bacteria growth by eliminating moisture vapor emission.

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2.3 RELATED MATERIALS

- A. Sheet Vapor Retarder: ASTM E1745, Class A, except with a permeance of less than 0.01 perms. Minimum thickness of material equal to 15 mils. Include manufacturer's recommended adhesive or pressure-sensitive tape.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with requirements of Section 03 30 00 "Cast-in-Place Concrete" for concrete mixing, placement, and curing.
- B. Sheet Vapor Retarders for Slabs on Grade: Place, protect, and repair sheet vapor retarder under provisions of ASTM E1643 and manufacturer's written instructions.
- C. Add water vapor reducing admixture to concrete in accordance with supplier's written instructions.
- D. Obtain approval of the WVRA supplier for the mix design. WVRA supplier will provide specific testing and warranty information in accordance with application requirements.
- E. Notify WVRA supplier a minimum of 10 days prior to the placement of the first batch of treated concrete.
- F. Dispense WVRA in compliance with mix design and supplier's recommendations.
- G. The use of other admixtures with WVRA in the same concrete batch is acceptable when included in the approved mix design.

3.2 CURING

- A. Curing is typically not necessary for WVRA treated slabs except in hot, cold, rainy or windy conditions. Cure finished concrete by placing 2-mil thick polyethylene plastic on top of the concrete slab. Consult with manufacturer for additional recommendations in accordance with application requirements.

3.3 FIELD QUALITY CONTROL

- A. Testing: Retain a qualified testing agency to perform tests and to submit reports.

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B. Concrete Tests:

1. Maintain four (4) inch concrete cylinders for a minimum of one (1) year from date of Substantial Completion.
2. Test cylinders as required by warranty or in accordance with supplier's recommendations.
3. Test cylinders to demonstrate that the minimum waterproofing is 1×10^{-8} cm/s in accordance with ASTM D5084.
4. Frequency: Test one (1) cylinder per project with the cost borne by the admixture supplier.
5. Report test results in writing to Architect, WVRA supplier, and Contractor within 48 hours of testing. Test reports shall contain project name and number, date of WVRA application, name of testing agency, location of concrete batch in Work, concrete mix proportions and materials, and waterproofing capability.
6. Additional Tests: Testing agency shall make additional tests of concrete when test results indicate that water vapor reducing admixture capability requirements have not been met, as directed by Architect. Testing agency may conduct tests to determine adequacy of concrete by cored cylinders or by other methods as directed by Architect.
7. Additional testing, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
8. Correct deficiencies in the Work that test reports indicate do not comply with the Contract Documents.

3.4 REPAIRS

- A. Repair concrete slabs in accordance with other Division 03 sections and as recommended in manufacturer's written instructions.

END OF SECTION 030513

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072610 – ARDEX MOISTURE CONTROL SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide Ardex moisture control system at all new concrete floor slabs and under all resilient flooring.
 - 1. New Slabs: Do not apply any sealer or curing compound to the new floor slabs that is not compatible with the Ardex system.
 - 2. Existing Slabs: Follow manufactures recommendations for preparation of ARDEX.

1.2 ARDEX SYSTEM INCLUDES

- A. ARDEX Moisture Control Primer – P-MC
- B. ARDEX Moisture Control Sealer – S-MC
- C. A two-part epoxy crack and joint filler such as MM 80 as manufactured by Metzger/McGuire.
- D. ARDEX S 21 Smoothing Compound, if required.
- E. Fine sand that is less than 1/50 of an inch in grain size or 98.5% passing sieve size #35.
- F. ARDEX Underlayment Ardex SD-F feather finish.
- G. Wagner RH-Relative Humidity Test and surface pH test

1.3 RELATED SECTIONS

- A. Section 096516 "Resilient Sheet Flooring."
- B. Section 096519 "Resilient Tile Flooring."

1.4 QUALITY ASSURANCE

- A. Installation of ARDEX Moisture Control System must be by a factory-trained ARDEX LevelMaster EliteSM Installer who has specific experience with the installation of ARDEX MC. Please contact ARDEX at (724) 203-5000 for a complete list of ARDEX LevelMaster EliteSM Installers.
- B. Applicator must file a pre-installation checklist with the manufacturer and receive written confirmation of the approval to proceed in order to obtain the 10 year ARDEX Moisture Control Warranty.

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- C. The ARDEX Moisture Control System shall be installed only over concrete surfaces that have been properly mechanically prepared to a minimum surface profile of ICRI CSP #3 and which have a moisture emission level of 20 lbs. or less at the time of testing when measured in accordance with ASTM F1869, or an RH value of 95% or less when measured in accordance with ASTM F2170.
- D. An Ardex Underlayment or Topping must be installed in accordance with the manufacturer's recommended specifications for use and installation.
- E. The ARDEX Moisture Control System shall reduce the vapor emissions of the concrete to less than 3 lb. and the underlayment or topping surface shall be suitable to receive all types of floor coverings or sealers when allowed to properly dry in accordance with Ardex recommendations.
- F. Manufacturer's certification that the system has been tested in accordance with ASTM D1653 and has a perm rating of less than 0.05.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in their unopened packages and protect from extreme temperatures and moisture. Protect liquids from freezing.

1.6 SITE CONDITIONS

- A. The ARDEX Moisture Control System involves the use of epoxies and cementitious materials. Observe the basic rules for working with epoxy and concrete. Do not install below 50°F surface temperature. Install quickly if substrate and job site conditions are above 70°F.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. The epoxy-based moisture control system shall be ARDEX Moisture Control.
- B. The Portland cement-based underlayment or topping shall be an Ardex product suitable for the intended use.
- C. For pre-smoothing very uneven substrates, the compound shall be ARDEX S 21 Smoothing Compound.
- D. To fill dormant cracks, the epoxy material shall be MM80 or approved equal.
- E. The sand broadcast into the fresh ARDEX S-MC coat shall be fine sand that is less than 1/50 of an inch in grain size or 98.5% passing sieve size #35.
- F. Where required to extend the Ardex cementitious products, the aggregate shall be well graded, washed gravel, 1/8" to 1/4" or larger.

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- G. Water for mixing the cementitious materials shall be clean, potable, and sufficiently cool (not warmer than 70°F).
- H. **The device used to measure the RH of the concrete shall be the Wagner Rapid RH Probe.**

2.2 MIX DESIGNS

- A. Each individual unit of ARDEX P-MC Primer and ARDEX S-MC Sealer contains separate, pre-measured quantities of the hardener (Part A) and the resin (Part B). The hardening agent (Part A) is added to the resin (Part B).
- B. ARDEX S 21 is mixed in 2-bag batches at one time. Mix each bag of ARDEX S 21 (50 lb.) with 5 quarts of water. Product shall be mixed in an ARDEX T-10 Mixing Drum using an ARDEX T-1 Mixing Paddle and a 1/2" heavy-duty drill (min. 650 rpm). Mix thoroughly for approximately 2-3 minutes to obtain a lump-free mixture. Follow written instructions per the ARDEX S 21 bag label.
- C. For mix designs related to the use of ARDEX underlayments and toppings, refer to the standard mixing instructions for installation over concrete as shown in the manufacturers installation instructions.
- D. For instructions on the filling of dormant cracks and joints, follow the written instructions of the selected epoxy manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- A. All concrete substrates must be structurally sound, solid, and mechanically prepared to a minimum surface profile of ICRI CSP #3 (light shotblast).
 - 1. All concrete subfloors must be of adequate tensile strength (minimum 200 psi when tested in accordance with ASTM D4541 Method 5).
 - 2. The concrete must be clean, and free of all oil, grease, dirt, curing compounds and any substance that might act as a bond breaker. Mechanically clean using shot blasting or other method to achieve the specified profile. Acid etching and the use of sweeping compounds and solvents are not acceptable means of preparing the concrete.
 - 3. Substrates shall be tested for moisture vapor emissions in accordance with ASTM F 1869 or ASTM F 2170.
 - 4. Moisture Vapor testing in accordance with ASTM F1869 shall be deemed to be at a measured emission rate of 20 lb. or less at the time of installation of the ARDEX Moisture Control System.
 - 5. Moisture Vapor testing in accordance with ASTM F 2170 shall be deemed to be at a measured relative humidity of 95% or less as measured by a relative humidity test, such as Wagner RH, at the time of installation of the ARDEX Moisture Control System.

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6. Where the mechanical preparation has resulted in a surface profile that is CSP #6 or higher, the use of ARDEX S 21 is recommended to pre-smooth the concrete prior to installing the ARDEX Moisture Control System. Allow the ARDEX S 21 to dry for 24 hours and proceed with the installation of the ARDEX Moisture Control. No additional surface preparation is necessary for the dry ARDEX S 21 surface.
7. All cracks in the subfloor shall be repaired to minimize telegraphing through the underlayment.
 - a. Joint and Crack Preparation:
 - 1) Moving Joints: Honor all expansion and isolation joints up through the ARDEX Moisture Control System, and underlayment or topping.
 - 2) Saw Cuts, Control Joints and Dormant Cracks: Fill all non-moving joints and cracks greater than 1/32" with MM80 or approved equal. Once the cracks and joints have been properly filled, allow these areas to cure for a minimum of 16 hours prior to proceeding with the installation of the ARDEX Moisture Control System.

3.2 APPLICATION OF THE ARDEX MOISTURE CONTROL SYSTEM

A. Mixing of ARDEX P-MC and S-MC:

1. Each individual unit of ARDEX P-MC Primer and ARDEX S-MC Sealer contains separate, pre-measured quantities of the hardener (Part A) and the resin (Part B). The hardening agent (Part A) is added to the resin (Part B).
2. First separate the two units to relieve the small amount of pressure that may have built up during storage. Reseat the top unit and pierce the plastic cap at the top center of the unit with a sharp object all the way through the bottom of the top unit several times. Let the top unit drain completely into the bottom unit.
3. Once empty, remove the top unit and thoroughly mix the two components together using a low-speed drill and mixing paddle.

B. ARDEX MOISTURE CONTROL is a two-coat system consisting of a primer and a sealer with sand broadcast into the second layer.

1. Apply the first coat of freshly mixed ARDEX P-MC Primer (yellow) to the prepared concrete surface in a uniform direction at an application rate of 125 sq. ft. per unit to achieve a coating thickness of 10 mils. Use a short-nap paint roller or notched squeegee for smoother surfaces and a longer nap roller for more uneven substrates. ARDEX P-MC can also be applied with a paintbrush for hard reach areas and in corners. Allow this coat to dry for a minimum of 6 hours at 70°F before applying the sealer coat.
2. Working in a direction that is at a 90° angle to direction that the first coat was applied, apply the sealer coat of ARDEX S-MC Sealer (green) as above, again at a coverage rate of 125 sq. ft. per unit (10 mils).
3. While this second coat is still in a fresh state (maximum 30 minutes), broadcast an excess of fine sand that is less than 1/50 of an inch in grain size (98.5% passing sieve size #35) consistently over the entire area. Avoid standing or walking on the freshly applied sealer when broadcasting the sand.

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4. Once an area has been completely covered with sand, the surface of the sand can be walked on being careful not to expose the sealer at any time. Use about 2/3 lb. of sand per square foot of area. Once the sanding process is complete, avoid all traffic over the surface for a minimum of 6 hours.
 - a. Note: When broadcasting the sand use a NIOSH approved dust mask in conformance with OSHA requirements regarding the handling of sand.
5. After 16 hours, broom sweep and vacuum the surface to remove all loose sand. Protect this surface from construction traffic and dirt and debris using Masonite or similar until the Ardex underlayment or topping is installed.
6. The clean prepared surface of sand is the priming system for the Ardex underlayment or topping. No additional priming is required. Install the Ardex underlayment or topping in accordance with printed instructions found in the corresponding technical brochure. It is not necessary to retest the substrate for moisture emissions prior to installing the floor covering or sealer.

3.3 FIELD QUALITY CONTROL

- A. Where specified, field sampling of the Ardex products is to be done by taking an entire unopened unit or bag of the product being installed to an independent testing facility to perform the specified testing. There are no in situ test procedures for the evaluation of the materials specified.

3.4 PROTECTION

- A. Prior to the installation of the underlayment or topping, or finish flooring or sealer, the surface of the system should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

PART 4 - ARDEX SD-F FEATHER FINISH SELF-DRYING CEMENT-BASED FINISHING UNDERLAYMENT

- A. Provide Ardex SD-F feather finish, self-drying, cement based finishing underlayment.

4.2 QUALITY ASSURANCE

- A. Installation of the ARDEX Feather Finish must be by an applicator using mixing equipment and tools approved by the manufacturer.
- B. Provide ARDEX Feather Finish from as manufactured by Ardex, L.P., 400 Ardex Park Drive, Aliquippa, PA 15001.
- C. Underlayment shall be able to be installed from a true featheredge to 1/2" thick over large areas and to any thickness in well-defined areas such as filling holes or gouges and for making ramps.
- D. Underlayment shall not require that the substrate be primed.

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- E. Underlayment shall be formulated with a Portland cement matrix, which develops a compressive strength of 4200 psi when tested in accordance with ASTM C109/mod. (air-cure only).
- F. Underlayment shall be able to be covered by most finish flooring materials as soon as the surface hardens (usually within 1 hour). Parquet, athletic flooring and floor covering requiring specialized adhesives can be installed after 16 hours.
- G. Underlayment shall not require the addition of latex or any additive other than potable water.

4.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in their original, unopened packages and protect from extreme temperatures and moisture.

4.4 SITE CONDITIONS

- A. ARDEX Feather Finish is a cementitious material. Observe the basic rules of concrete work. Do not install below 50°F surface temperature. Install quickly if floor is warm and follow hot weather precautions available from the ARDEX Technical Service Department. Never mix with cement or additives other than ARDEX-approved products.

4.5 MATERIALS

- A. The Portland cement-based, self-drying, trowelable finishing underlayment shall be ARDEX Feather Finish.
- B. No primer required over all recommended substrates.
- C. Water shall be clean, potable, and sufficiently cool (not warmer than 70°F).

4.6 MIX DESIGNS

- A. Mix ARDEX Feather Finish powder with water to the desired trowelable consistency. The recommended mixing ratio is 2 parts powder to 1 part water by volume.
- B. Apply ARDEX Feather Finish to the prepared substrate using a steel trowel using sufficient pressure to achieve the desired thickness and to provide a perfect featheredge, where necessary.
- C. Install ARDEX Feather Finish from a true featheredge up to a maximum thickness of ½ inch or as required to fill gouges, scratches or small holes.
- D. When the underlayment can be worked on without adversely affecting the surface, proceed with the installation of floor covering. Note: The surface of the ARDEX Feather Finish does not have to be dry to receive ceramic tile, carpet, or vinyl floor coverings. It only needs to be hard enough to permit application of the adhesive with a notches trowel without marking the surface. Typical times range from 15 minutes to 1 hour depending upon ambient conditions.

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4.7 PREPARATION

- A. All subfloors, regardless of material, must be solid, sound and thoroughly cleaned.
- B. All concrete subfloors must be clean, and free of all oil, grease, dirt, curing compounds, and any substance, which might act as a bondbreaker. Mechanically clean, if necessary, using shot blasting or other. Acid etching and the use of sweeping compounds or solvents are not acceptable.
- C. Wooden subfloors must be clean and free of all foreign matter. Sand to bare wood, and then vacuum to remove all dust. Re-nail any loose boards exhibiting movement.
- D. Non-porous subfloors, such as ceramic tile and terrazzo must be clean and free of all sealers, waxes, or other surface treatments, which may act as a bondbreaker. Professionally strip where necessary.
- E. Cutback and other non-water soluble adhesive residues must be thin and well bonded to the subfloor. Note: The use of ARDEX Feather Finish over adhesive residues is recommended for projects only where the adhesive residue may interfere with the performance of the new flooring. For a permanent barrier to migration of adhesive residues on commercial projects, use ARDEX K 15 + E-25 or ARDEX SD-L following the Recommended Work Practices of the Resilient Floor5 Covering Institute.
- F. Subfloors shall be tested and corrected for moisture or any other conditions which could affect the performance of the underlayment or finished floor covering.

4.8 FIELD QUALITY CONTROL

- A. Where specified, field sampling of the Ardex topping is to be done by taking an entire unopened bag of the product being installed to an independent testing facility to perform compressive strength testing in accordance with ASTM C 109/modified: air-cure only. There are no in situ test procedures for the evaluation of compressive strength.

4.9 PROTECTION

- A. Prior to the installation of the finish topping, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION 072610

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SECTION 099666 - WATER VAPOR EMISSION CONTROL SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings, documents, and general provisions of the Contract, including, but not necessarily limited to, General Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related Sections- Coordinate work of this Section with work of other Sections to properly execute the work requirements and maintain satisfactory progress of work in other Sections.
 - 1. Section 033000 "Cast-In Place Concrete" for installation and curing requirements according to ACI 302.
 - 2. Section 096516 "Resilient Sheet Flooring" and Section 096519 "Resilient Tile Flooring for installation requirements.
 - 3. Section 096813 "Tile Carpeting" for installation requirements.

1.2 SUMMARY

- A. This Section includes the furnishing, testing, and application of systems for the reduction of moisture vapor transmission and alkalinity control for Interior concrete slabs requiring the installation of VCT, vinyl flooring, rubber flooring, wood, carpet, and/or epoxy flooring systems.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the requirements and Conditions of the Contract in Division 1. Specification Sections.
- B. Product data for each type of product and process specified which shall include:
 - 1. Manufacturer's Specification Moisture Vapor Reduction System
 - 2. Manufacturer's Specification Self-Leveling Underlayment
 - 3. Installation Instructions
 - 4. Certification Requirements Factory Training Certificate of Installer
 - 5. Warranty Information
- C. Submit anhydrous calcium chloride testing according to ASTM F 1869 (latest revision) and ASTM D 4263-83 modified for numerical value reporting per manufacturer's instructions and/or RH Probe Test according to ASTM F 2170 (latest revision). Tests shall be performed by Qualified Inspector and results provided to the Architect, Owner, General Contractor, Moisture Vapor Reduction System Applicator and Moisture Vapor Reduction System Manufacturer's Representative.

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1.4 QUALITY ASSURANCE

A. Qualifications of Applicator:

1. Employ an Applicator currently approved by the manufacturer, experienced in surface preparation and application and subject to inspection of the manufacturer.

B. Manufacturer's Qualifications:

1. Manufacturer shall have no less than ten (10) years experienceyears' experience in manufacturing moisture vapor reduction systems. and concrete topping compounds. The water vapor reduction system including the self-leveling underlayment must be specifically formulated and marketed for moisture vapor reduction. and alkalinity control.
2. Manufacturer shall provide the Owner with their standard ten (10) year warranty at no additional cost. Applicator of moisture vapor reduction system shall provide standard installation warranty for workmanship.

1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver products to the job site in their original unopened containers, clearly labeled with the manufacturer's name and brand designation.

B. Store products in an approved ventilated dry area; protect from dampness, freezing, and direct sun light. Product should not be stored in areas with temperatures in excess of 90° F or below 50° F.

C. Handle product in a manner that will prevent breakage of containers and damage products.

1.6 PROJECT/SITE CONDITIONS

A. Environmental Conditions:

1. Do not apply moisture vapor reduction system to surfaces that may be exposed to excessive weather conditions (such as rain, wind, etc) until the material has fully cured, or when water is accumulated on the surface of the concrete. Protect freshly applied coating accordingly when material is applied outdoors.
2. Do not apply moisture vapor reduction system when temperature is lower than 5550°F or expected to fall below this temperature within 24 hours from time of application.

B. Protection: Protect water vapor reduction system to prevent damage from active rain or topical water for a minimum period of 24 hours from time of application.

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1.7 SCHEDULING

- A. Before installation of VCT, sheet vinyl, rubber flooring, wood, carpet, epoxy flooring systems or moisture vapor reduction system over the interior concrete slabs, anhydrous calcium chloride testing ASTM F 1869 (latest revision), ASTM D 4263-83 modified for numerical value reporting per manufacturer's instructions and/or RH Probe Tests ASTM F 2170 shall be performed by a Qualified Inspector as outlined In Article 3.1 below, consult with manufacturer of moisture vapor reduction system.
- B. The Qualified Inspector will coordinate with the Owner scheduling moisture vapor reduction system testing and allowing enough time to test, submit and install the moisture vapor reduction system before installation of floor finish.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Material: Moisture Vapor reduction system including self-leveling underlayment all components which may be incorporated in the work, shall be the product of a single manufacturer, no substitutions. Manufacturer's offering approved products:
 - 1. Specialty Products Group, Inc.

Corporate Headquarters:

6254 Skyway Rd, Smithville
Ontario, CA L0R 2A0

Phone: (877)957-4626 Fax: (905) 527-0606
Web address: www.spgGoGreen.com
- B. The basis for this specification is the Vapor Lock 10/10 Moisture Vapor Reduction Control System, terminology hereafter is based upon the products of the Specialty Products Group, Inc..

2.2 MATERIALS

- A. General: Use materials of one manufacturer throughout the project as hereinafter specified.
 - 1. System consists of Vapor Lock™ 30/3010/10 Moisture Vapor Reduction System one (1) application coat of BDE 1002, one (1) application of Vapor Lock™ 1, (1) coat of Vapor Lock™ 10/10 (Vapor Lock application this is done in one continuous application) applied to rejection and (1) coat of Lock the Top Self-Leveling Underlayment. The Owner shall specify a floor covering system and adhesive having the ability to withstand water vapor transmission levels up to 3lbs/1000 ft²/24 hr. The water vapor reduction system shall be required to reduce moisture vapor emissions by a minimum of 97% after final cure, as well as alkalinity reduction to acceptable pH levels.

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2.3 AREA NOT REQUIRING VAPOR REDUCTION SYSTEM

- A. Anhydrous calcium chloride testing, ASTM D 4263-83 modified for numerical value reporting per manufacturer's instructions and/or RH Probe Tests performed by the a Qualified Inspector for interior concrete slab areas receiving VCT, sheet vinyl, rubber flooring, resilient, wood, carpet, and or epoxy flooring systems will determine where this system may be required. Water vapor reduction system may be required on concrete floors with water vapor transmission level in excess of 3 lbs/1000 ft²/24 hr or 5 lbs/1000 ft²/24 hr for some specific flooring systems (verify with flooring system manufacturer.) RH Probe Test results of 75% or higher. Above 75% RH requires the installation of the vapor reduction system or where directed by plans and specifications for purposes of acquiring a Warranty.
- B. Water vapor reduction system may be is not required on interior concrete slabs without floor finishes.

PART 3 - EXECUTION

3.1 EXAMINATION OF SUBSTRATE BEFORE APPLICATION

- A. Calcium Chloride and/or RH Probe test requirements:
 - 1. Anhydrous calcium chloride testing shall be performed by the Qualified Inspector as outlined in Section 01410 - Quality Requirements.
 - 2. Provide anhydrous calcium chloride tests according ASTM F 1869 (latest revision) protocols. Provide readings for ASTM D 4263-83 modified for numerical value reporting per manufacturer's instructions Provide results from Provide RH Probe Tests readings according to ASTM F 2170-11 (latest revision) protocols, consult with manufacturer of Moisture Vapor reduction system.
 - 3. Conduct all tests at the same temperature and humidity expected during normal use and maintain through installation of Mositure Vapor reduction system and moisture sensitive coating or adhesive installation. If this is not possible, then the test conditions should be 75°F +/-10°F and 50% (+/-10%) relative humidity. Maintain these conditions 7248 hours prior to and during testing. Water vapor transmission levels are directly affected by ambient room temperature and readings conducted without a sustained ambient temperature are NOT acceptable.
 - 4. The Qualified Inspector shall provide test results with a marked up floor finish plan showing test results. The Qualified Inspector shall provide a written clarification on status of the ambient air temperature and humidity before and during the testing procedures.
- B. Testing for contaminants that inhibit adhesion
 - 1. The history of the slab installation should be reviewed. Concrete should conform to ACI Committee 201 Report "Guide to Durable Concrete."

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- C. Testing adhesion of the final flooring to the Moisture Vapor Reduction System:vapor barrier:
 - 1. The Qualified Inspector shall verify proper adhesion of flooring adhesives, coatings, and leveling compounds to the final vapor reduction coating system for acceptability. Contact Manufacturer's Representatives for recommendations.

3.2 PREPARATION

- A. Inspect all surfaces with regard to their suitability to receive moisture vapor reduction system with manufacturer's representative.
- B. Clean all surfaces to receive moisture vapor reduction system. Shot blast all floors to a Concrete Surface Profile (CSP) #3 or #4 and clean surfaces with an industrial vacuum cleaner and remove all residues from the substrate. Grinding is allowed only in areas not accessible by shot blasting. Remove ALL defective materials, and foreign matter such as dust, adhesives, leveling compounds, paint, dirt, floor hardeners, bond breakers, oil, grease, curing agents, form release agents, efflorescence, laitance, shot blast beads, etc. Repair all cracks, expansion joints, control joints, and open surface honeycombs and fill in accordance with Manufacturer's recommendations. Reinforcing fibers that are visible after shot blasting must be removed and vacuumed leaving no fibers left on the concrete surfaces. **Provide an uncontaminated, sound surface.**
- C. Repair concrete prior to installation of self-leveling underlayment by using Lock the Top™ Patching Compound. Comply with all requirements as listed in Manufacturer's technical data information. Consult with moisture vapor reduction manufacturer.
- D. Ensure surfaces to be treated with moisture vapor reduction system have NOT previously been treated with other materials such as underlayments, screeds, penetrating sealants, silicates, etc. If this is the case, consult with the Manufacturer's Representative prior to any application of moisture vapor reduction system.

3.3 APPLICATION

- A. Vapor Lock™ 130/130 Moisture Vapor Reduction
 - 1. System:
 - a. The Warranted Vapor Lock™ 10/10 Moisture Vapor Reduction System is a combination of products applied in the following order.
 - b. BDE 1002 Bio-Degradable Etcher
 - c. Vapor Lock 1 Step 1
 - d. Vapor Lock 10/10

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B. Instructions for installation of Vapor Lock™ 10/10 System:

1. A test area using all components is recommended.
2. Thoroughly clean all slabs to receive Vapor Lock™ 10/10 Moisture Vapor Reduction System. The use of ride on or walk behind cleaning machines is encouraged with frequent changes of water.
3. Protect all non-slab materials from overspray, this is particularly important with glass, aluminum and fabric coated surfaces. Tape cardboard, luan, etc., to protect.
4. Spray BDE 1002 onto slab at a rate 2300 sf per gallon, agitate with stiff bristle broom allow to stand ½ hour and clean off thoroughly with multiple cleanings.
5. If penetration can not be obtained it may be necessary to grind or shot blast the floor free of any foreign materials.
6. If necessary to shot blast or grind a second treatment of BDE1002 must be applied before proceeding.
7. Allow to dry.
8. Wet area with potable water with a pump or electric sprayer. Concrete should be wet but not puddled.
9. As slab begins to dry spray Vapor Lock™ 1 onto the slab at a rate of 300-400 sf per gallon, agitate frequently with stiff bristled broom, or floor machine, this material will penetrate deeply into the slab.
10. As slab begins to dry apply Vapor Lock™ 10/10 at a rate of 300-400 sf per gallon, agitate frequently with stiff bristled broom. or floor machine.
11. As slab begins to dry apply a second coat of Vapor Lock™ 10/10 at a rate of 300-400 sf per gallon agitate frequently with stiff bristled broom.
 - a. Watch for areas where Vapor Lock™ 10/10 is going in rapidly into slab repeat application in these areas.
12. Apply Vapor Lock™ 10/10 until rejection over entire slab.
 - a. Agitate frequently with stiff bristled broom.
 - b. Wait 15 minutes.
13. Flood excess material off with water.
14. Allow to dry minimum 24 hours, it is anticipated a white film will be left behind by the treatment.
15. Mechanically abrade surface, shot blast, grind or sand to remove excess Vapor Lock™ 10/10 from the surface this material will show up white on the surface.
16. If surface has been shot blasted or ground, it is necessary to install a coat of Lock The Top SLU.
17. Test for moisture per Application Specific Technical Bulletin-10.10.1.12
18. Test for bond of materials including patching materials in several areas to establish a strong bond.
19. Submit information to manufacturer for Warranty issuance.

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20. Install flooring:
- a. **This Topical System Can Only Be Installed and Tested By Factory Trained Personnel. Warranty can only be issued by the Specialty Products Group Inc.**
 - b. **Vapor Lock™ 10/10 Post applied Transformative System is a complex inorganic formula that contains Zero VOC's (Volatile Organic Compounds)**
 - c. The coverage rates for the initial coat of Vapor Lock 1 depends on the surface profile and porosity of the concrete substrate from Section 3.1 Examination. On average, a coverage rate of 200-300 ft²/gal. may be expected. (See additional application instructions in Vapor Lock™ technical data sheets for specific coverage rates.)
- C. Spray using an industrial airless sprayer scrub out any puddles with a stiff broom allowing no puddling.
- D. As surface begins to dry apply Vapor Lock™10/10 at an application rate achieving a minimum rate 250 ft²/gal. Scrub out any puddles with a stiff broom. As material begins to dry flood area to remove any material on the surface of concrete. Allow to dry completely until substrate shows no signs of moisture. Fans may be used after an initial drying time of 4 hours
- E. After shot blasting and installation of the Vapor Lock™ 1 & Vapor Lock™ 10/10, Lock the Top™ Self-Leveling Underlayment must be applied to complete the moisture vapor reduction emission system.
- F. Mix Lock the Top™ Self-Leveling Underlayment carefully following manufacturers instructions and current tech data sheet. Apply to a minimum thickness of ¼". Allow to dry minimum 16 hours.
- G. Lock the Top™ Razors Edge patching material may be used to repair any tool marks left in self-leveling underlayment.
- H. Most adhesives will bond directly to the Lock the Top™ Self-Leveling Underlayment. A non-porous substrate primer may be required prior to the installation of some flooring systems. Note: this applies only to certain water based adhesives. Consult with Specialty Products Group Corporation for general guidelines.
- I. Repair all cracks, expansion joints, control joints, and open surface honeycombs and fill in accordance with Manufacturer's recommendations.
- J. Application: Vapor Lock™ 10/10 Installation Procedure
1. This defines the methodology for properly applying Vapor Lock™ 10/10 to flat concrete slabs.
 - a. A test area using all components is recommended.
 - b. Thoroughly clean all slabs to receive Vapor Lock™ 10/10
 - c. Moisture Vapor Reduction System. The use of walk behind floor scrubbing machines is encouraged with frequent changes of water.
 - d. Protect all non-slab materials from overspray, this is particularly

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- e. important with glass, aluminum and fabric coated surfaces. Tape cardboard, luan, etc., to protect.
- f. Spray BDE 1002 onto slab at a rate 200-300 sf per gallon, agitate with stiff bristle broom allow to stand ½ hour and clean off thoroughly with multiple cleanings.
- g. Allow to dry.
- h. Wet area with potable water with a pump or electric sprayer. Concrete should be wet but not puddled.
- i. As slab begins to dry spray Vapor Lock™ 1 onto the slab at a rate of 300-400 sf per gallon, agitate frequently with stiff bristled broom, this material will penetrate deeply into the slab. Flush with water and remove excess with floor machine.
- j. As slab begins to dry apply Vapor Lock™ 10/10 at a rate of 300- 400 sf per gallon, agitate frequently with stiff bristled broom.
- k. As slab begins to dry apply a second coat of Vapor Lock™ 10/10 at a rate of 300-400 sf per gallon agitate frequently with stiff bristled broom.
 - 1) Watch for areas where Vapor Lock™ 10/10 is going in rapidly into slab repeat application in these areas.
- l. Apply Vapor Lock™ 10/10 until rejection over entire slab.
 - 1) Agitate frequently with stiff bristled broom.
 - 2) Wait 60 minutes.
- m. Flood excess material off with water and floor scrubber.
- n. Allow to dry minimum 24 hours, if there is a white film
- o. left behind by the treatment.
- p. Mechanically abrade surface, shot blast, grind or sand to
- q. remove excess Vapor Lock™ 10/10 from the surface.
- r. Test for moisture per Application Specific Technical
- s. Bulletin-10.10.1.12
- t. Test for bond of materials including patching materials in
- u. several areas to establish a strong bond.
- v. Submit information to manufacturer for Warranty issuance.
- w. Install flooring.

- 2. **This Topical System Can Only Be Installed and Tested By Factory Trained Personnel. Warranty can only be issued by the Specialty Products Group Inc.**
- 3. **Vapor Lock™ 10/10 Post applied Transformative System is a complex inorganic formula that contains Zero VOC's (Volatile Organic Compounds)**

3.4 CLEANING

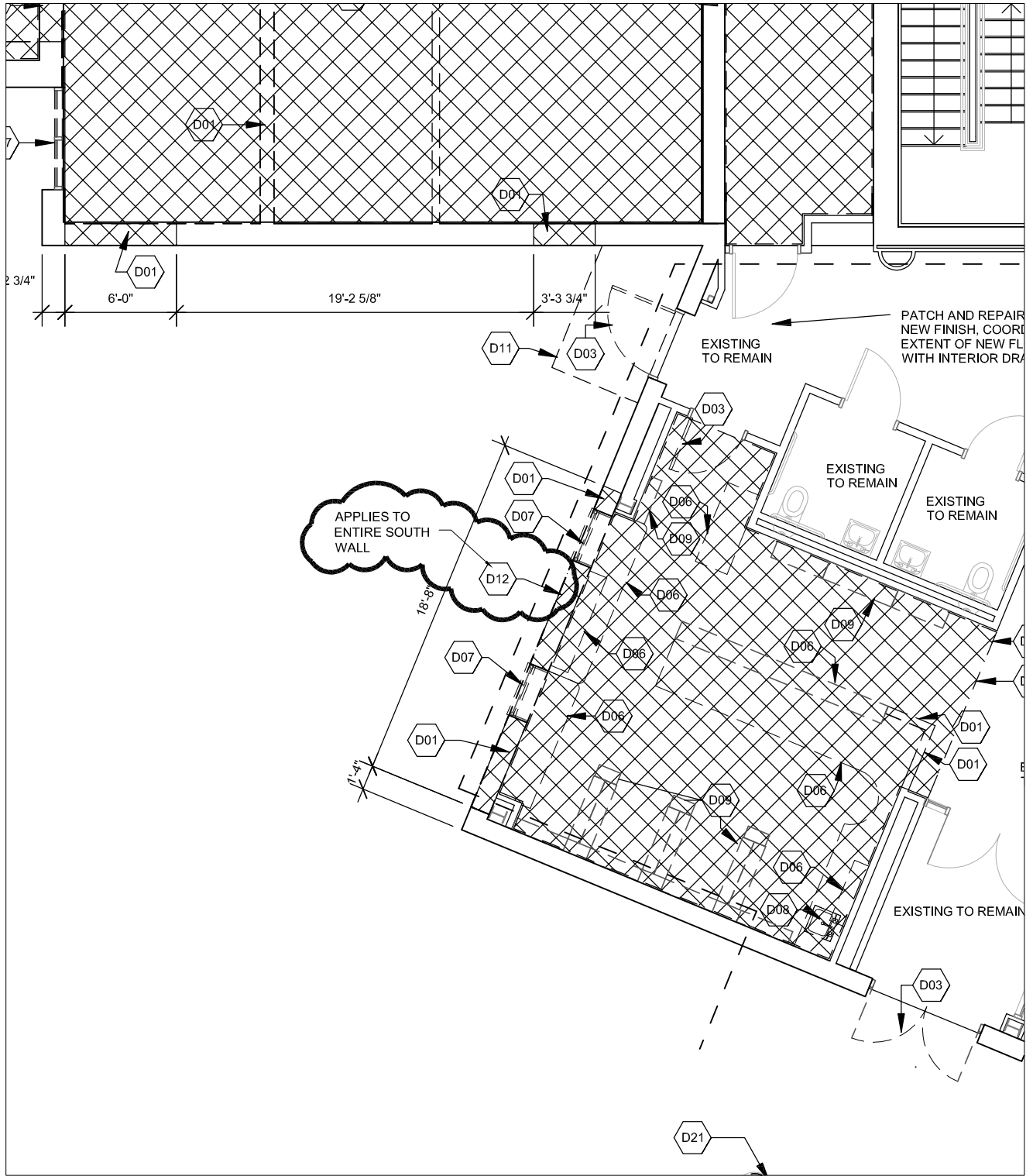
- A. Clean all tools and equipment with water.
- B. Remove all debris resulting from water vapor reduction system installation from project site.

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3.5 PROTECTION

- A. Protect each coat during specified cure period from any kind of traffic, topical water and contaminants.

END SECTION 099666



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 Lincoln NE 68508
 Phone 402-476-9700
 Fax 402-476-9722

Vermillion
 15 East Main, Suite 201
 Vermillion SD 57069
 Phone 605-624-1081

Client Information
**Memorial Health
 Care Systems**
 300 N. Columbia Avenue
 Seward, NE 68434

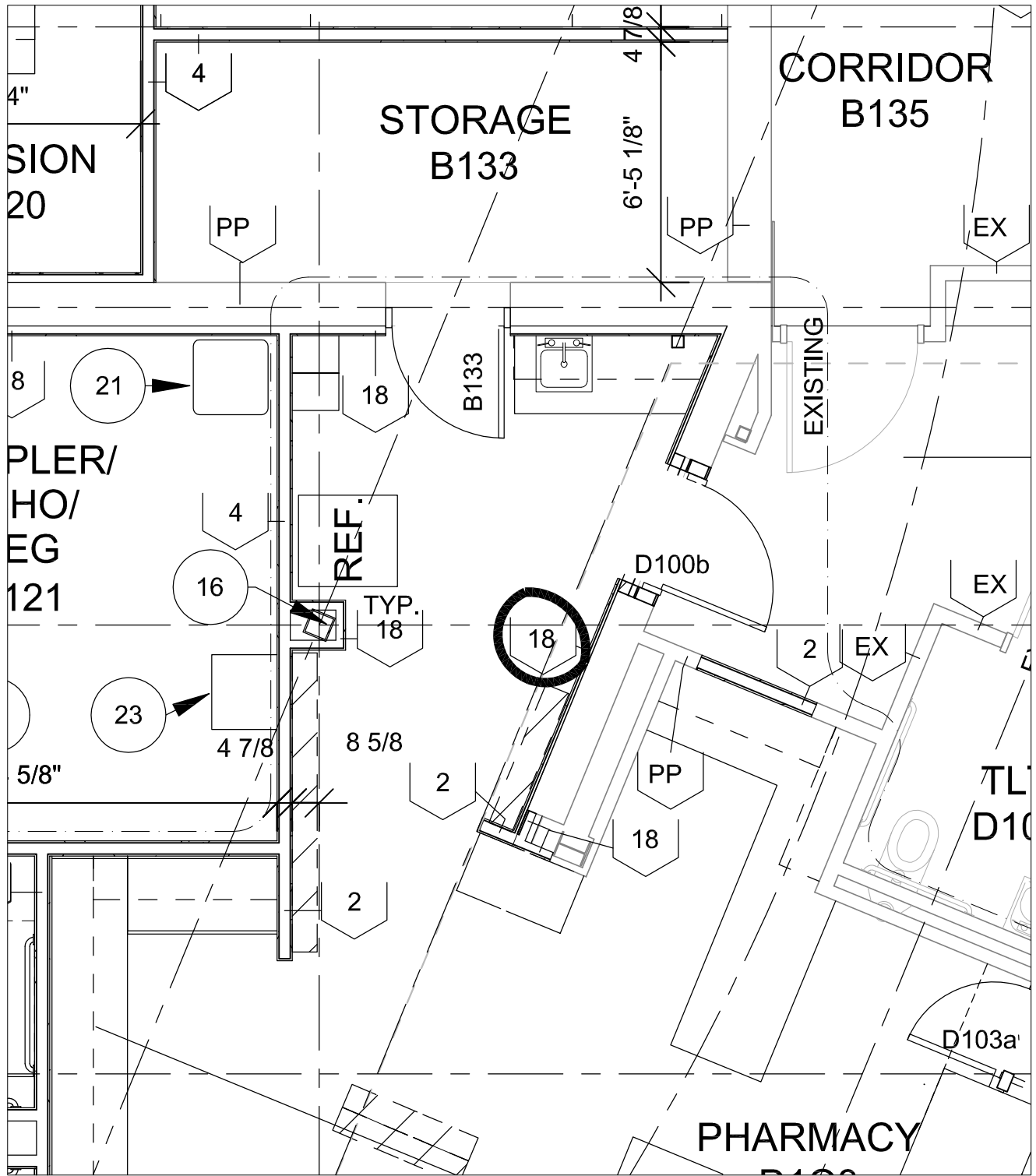
Project Information
**2014 Addition and
 Remodel**
 Job # 13-0144

Issue Date	7/29/2014
Job #	13-0144
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CADD file:	

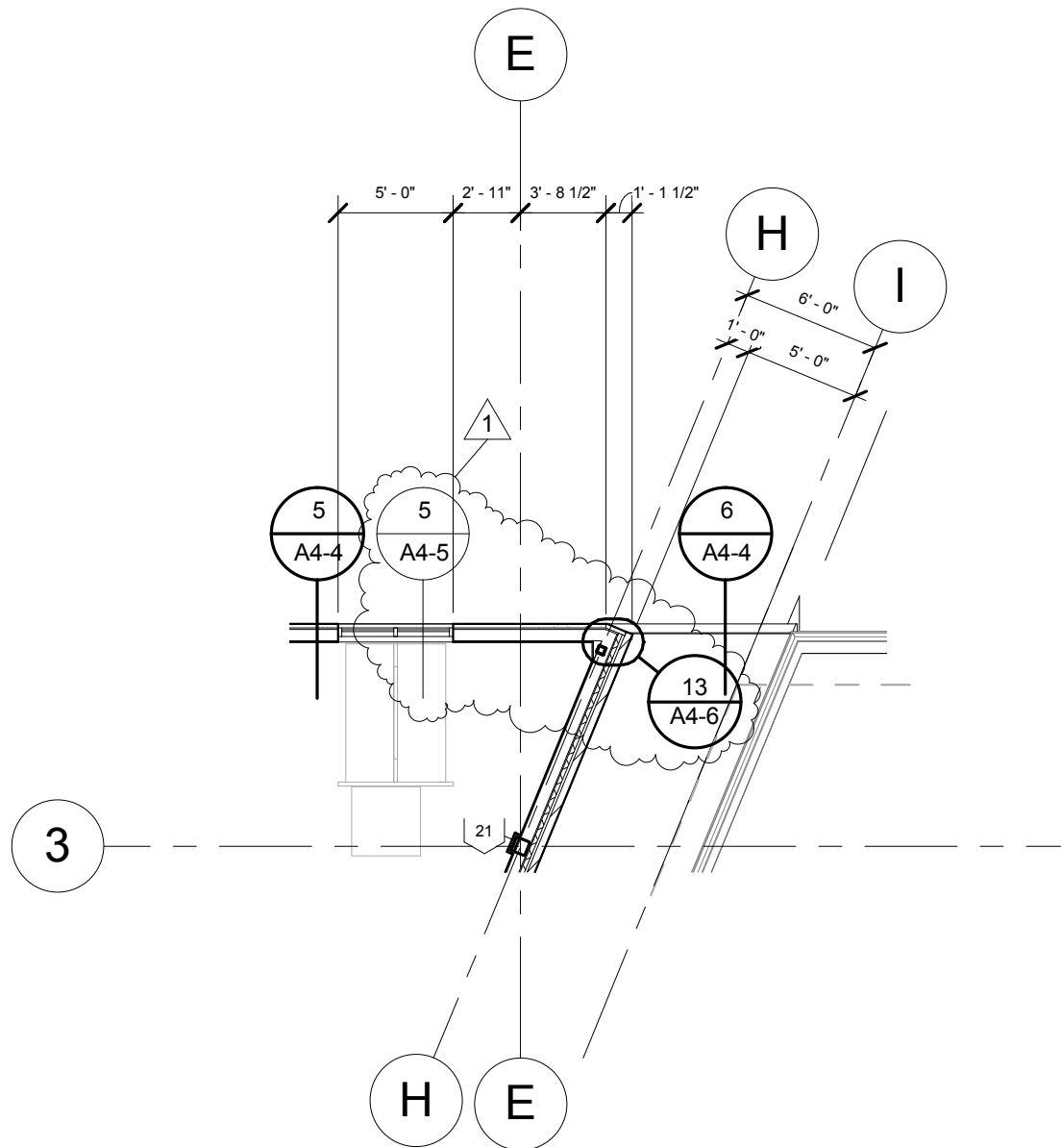
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Drawing Title
**First Level Demolition Plan -
 Area B**

From Sheet:	AD1-1B	for CA use:
Drawing #	AD1-1B.1	



 <p>DAVIS DESIGN ARCHITECTURE ENGINEERING INTERIOR DESIGN</p>	<p>Lincoln 1221 N Street, Suite 600 Lincoln NE 68508 Phone 402-476-9700 Fax 402-476-9722</p>	<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p>	<p>Issue Date 7/29/2014 Job # 13-0144 Drawn by: ddh CADD file: COPYRIGHT © DAVIS DESIGN ALL RIGHTS RESERVED</p>	
	<p>Vermillion 15 East Main, Suite 201 Vermillion SD 57069 Phone 605-624-1081</p>	<p>Project Information 2014 Addition and Remodel</p>	<p>Drawing Title Drawing Title and Subtitle</p>	<p>From Sheet: A1-2B for CA use: Drawing # A1-2B.1</p>
	<p>Job # 13-0144</p>	<p>Job # 13-0144</p>		



1

SECOND LEVEL FLOOR PLAN - AREA B

1/8" = 1'-0"

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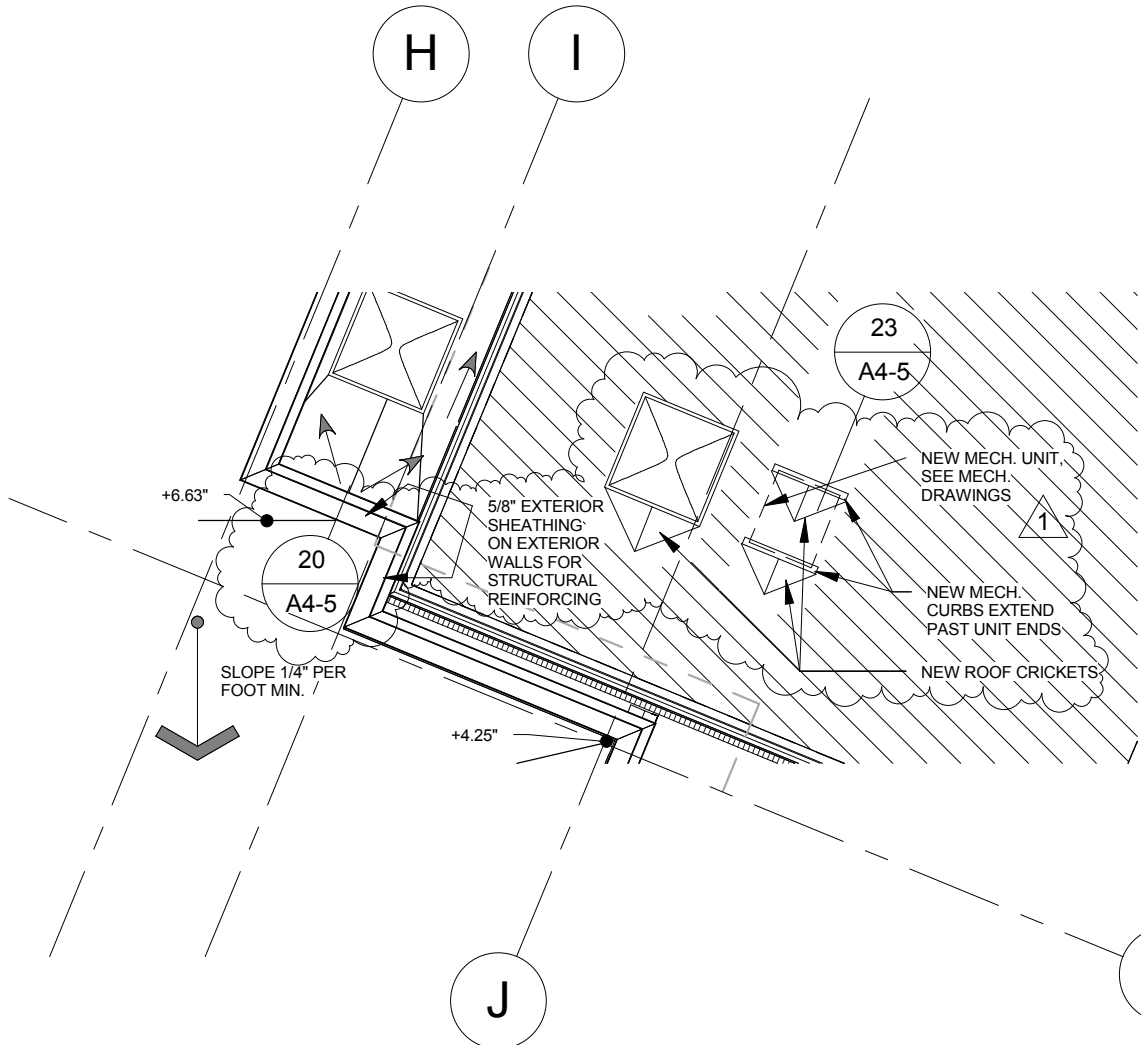
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Issue Date:	07/29/14
Job #	13-0144
Drawn by:	ASA

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Drawing Title
FLOOR PLAN

From Sheet A1-3B	for CA use:
Drawing # A1-3B.1	



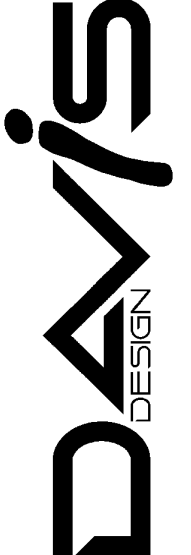
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ROOF LEVEL PLAN - AREA B

1/8" = 1'-0"

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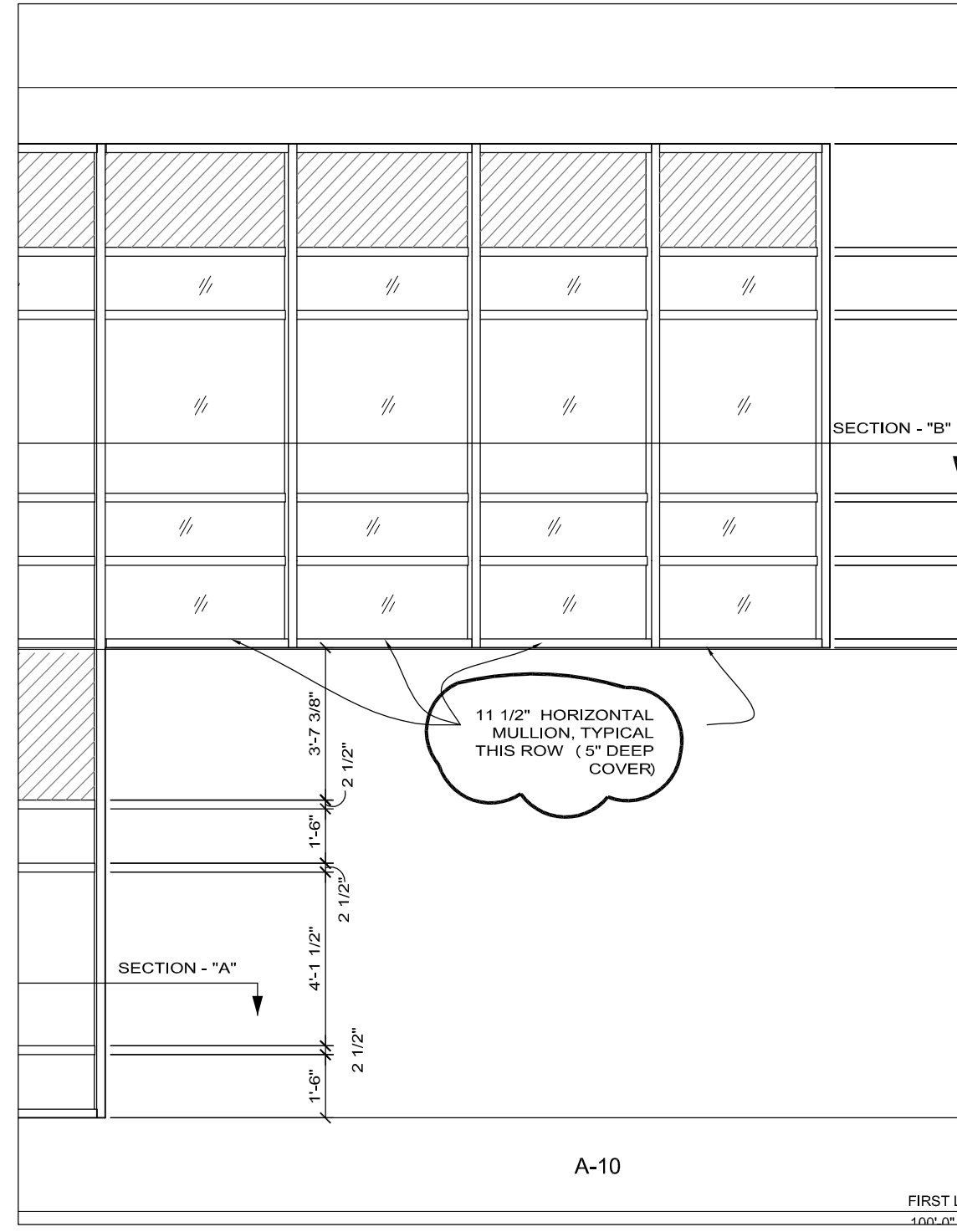
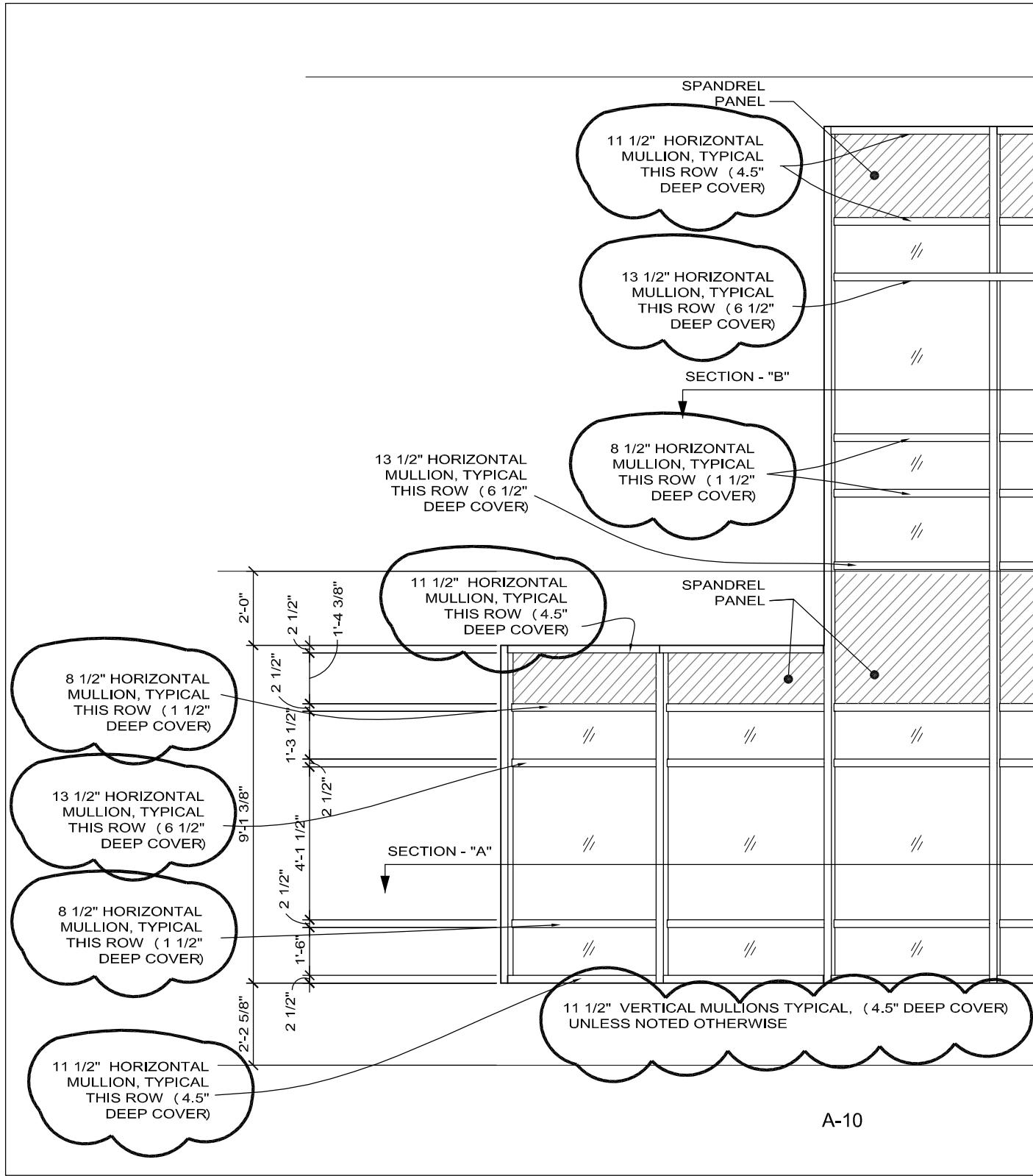
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Job #	13-0144
Drawn by:	ASA

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Drawing Title
ROOF PLAN - AREA B

From Sheet A1-4B	for CA use:
Drawing # A1-4B.1	

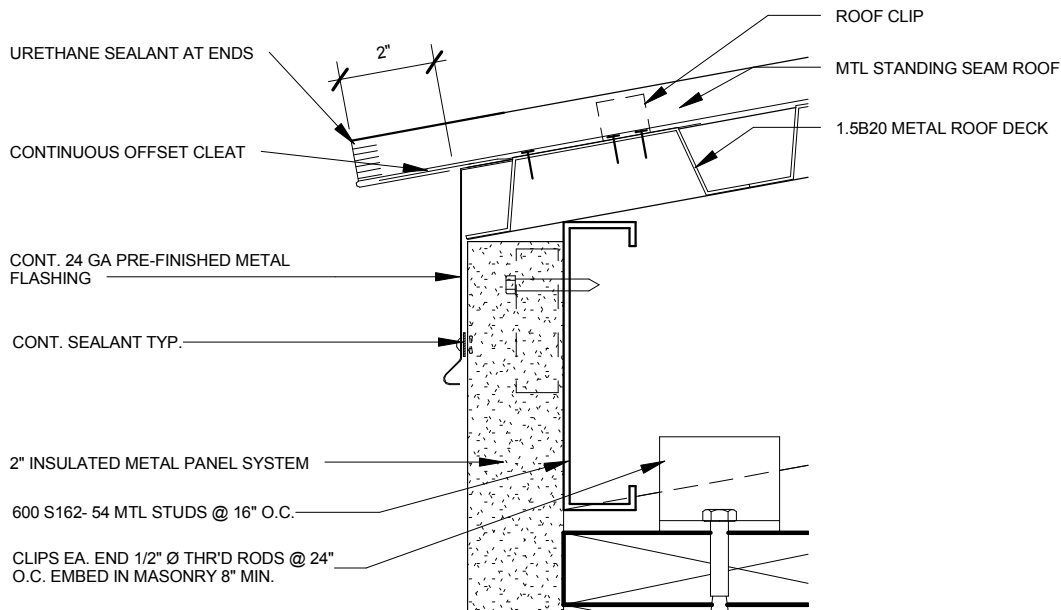


Client Information	
Memorial Health Care Systems	
300 N. Columbia Avenue Seward, NE 68434	
Project Information	
2014 Addition and Remodel	
Job # 13-0144	
Issue Date	07-25-2014
Job #	13-0144
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Curtain Wall A-10 Revisions	
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A2-3	
Drawing #	
A2.3.1	

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5

ROOF EAVE DETAIL

3" = 1'-0"

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**Memorial Health Care
 Systems**

PROJECT INFORMATION
**2014 Addition and
 Remodel**

300 North Columbia, Seward NE 68434

Issue Date:	07/28/14
Job #	13-0144
Drawn by:	Author

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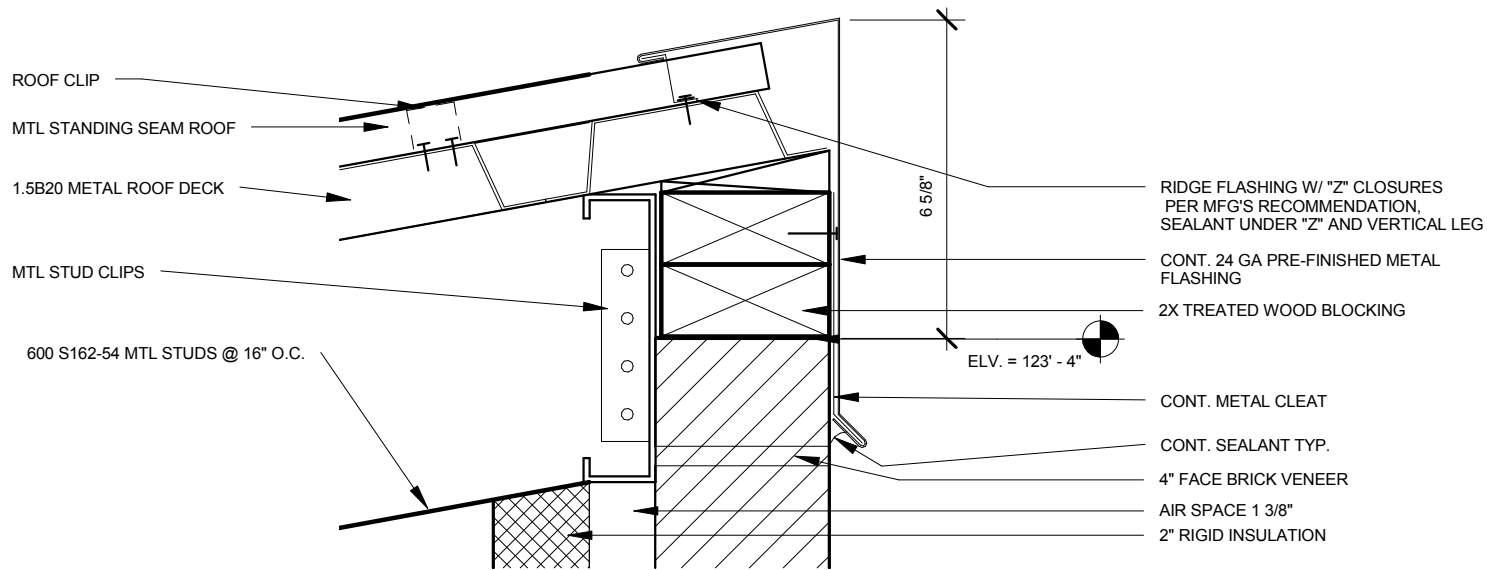
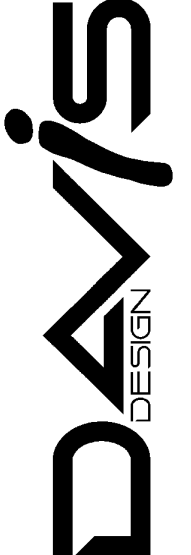
Drawing Title
ROOF DETAIL

From Sheet A4-2	for CA use:
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Drawing # A4-2.1

Lincoln
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 Vermillion, SD 57069
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6

ROOF RIDGE DETAIL

3" = 1'-0"

CLIENT INFORMATION
Memorial Health Care Systems

PROJECT INFORMATION
2014 Addition and Remodel

300 North Columbia, Seward NE 68434

Issue Date:	07/30/14
Job #	13-0144
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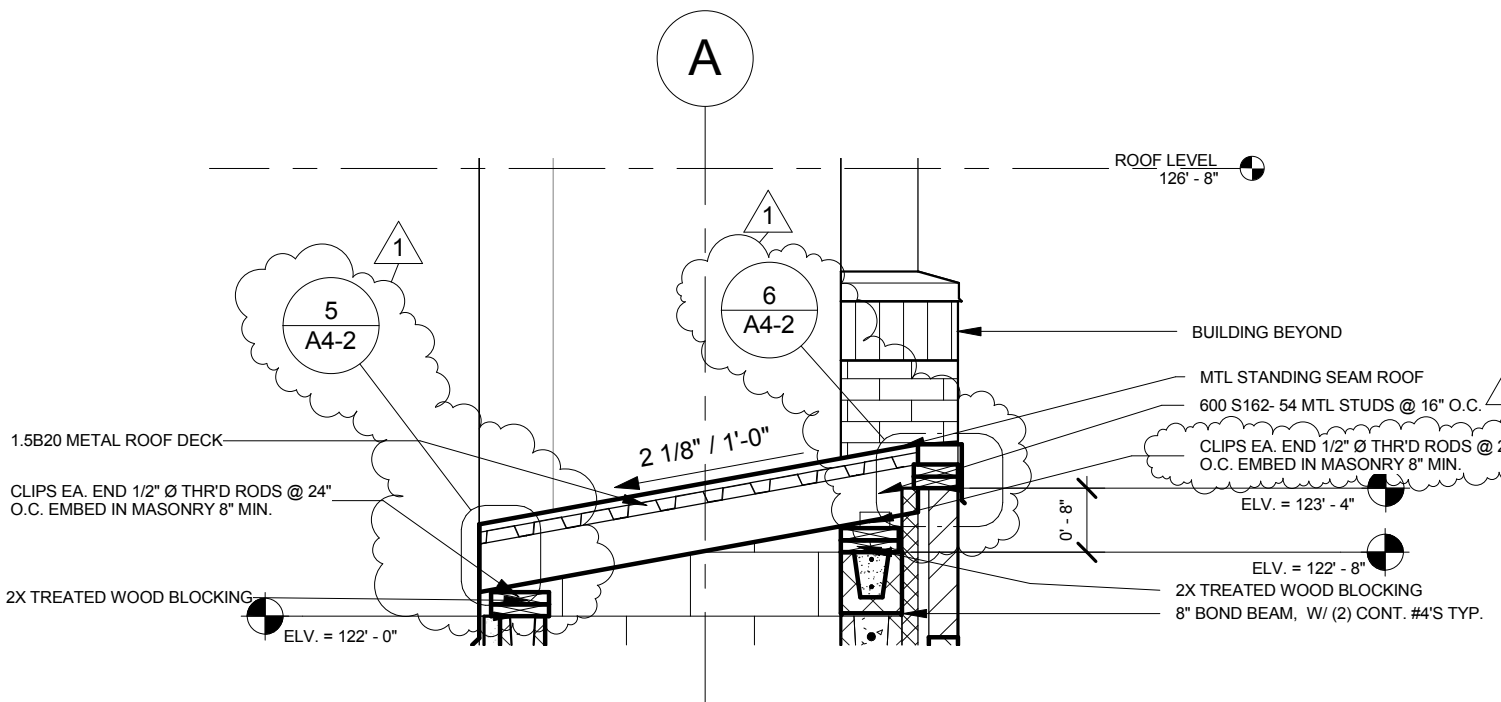
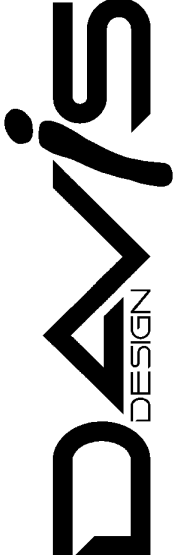
Drawing Title
ROOF DETAIL

From Sheet A4-2	for CA use:
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Drawing # A4-2.2

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1

WALL SECTION

1/2" = 1'-0"

CLIENT INFORMATION
Memorial Health Care Systems

PROJECT INFORMATION
2014 Addition and Remodel

300 North Columbia, Seward NE 68434

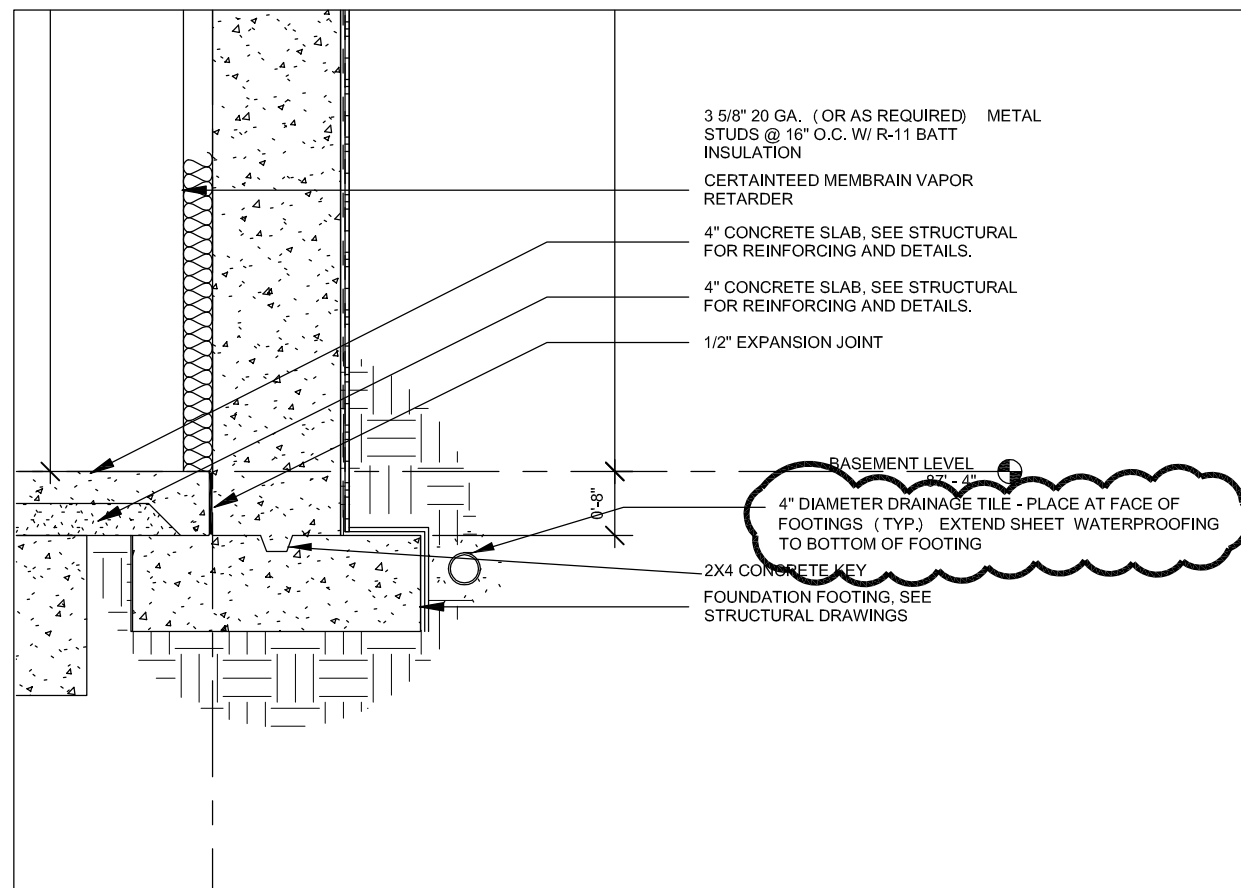
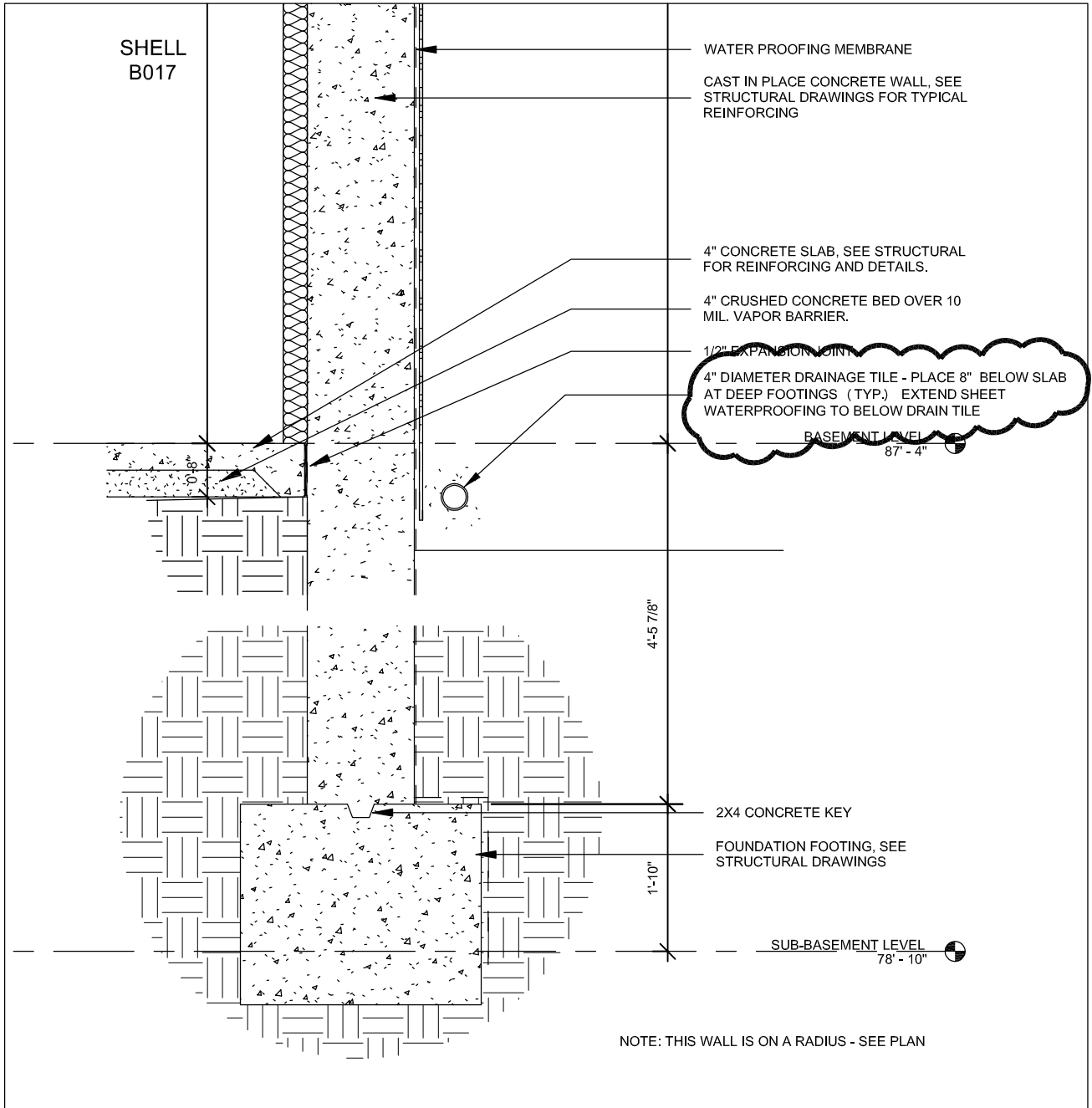
Issue Date:	07/3014
Job #	13-0144
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 Drawing Title
WALL SECTION

From Sheet A4-2	for CA use:
Drawing # A4-2.3	

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Memorial Health Care Systems
 300 N. Columbia Avenue
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Project Information
2014 Addition and Remodel
 Job # 13-0144

Issue Date	07-25-14
Job #	13-0144
Drawn by:	ddh
CADD file:	

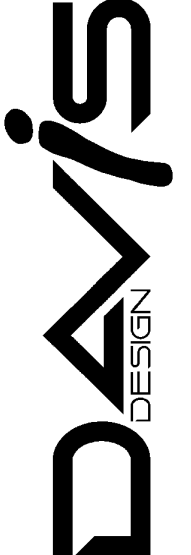
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Drawing Title
WALL SECTION REVISIONS

From Sheet:	A4-3	for CA use:
Drawing #	A4-3.1	

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**Memorial Health Care
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PROJECT INFORMATION
**2014 Addition and
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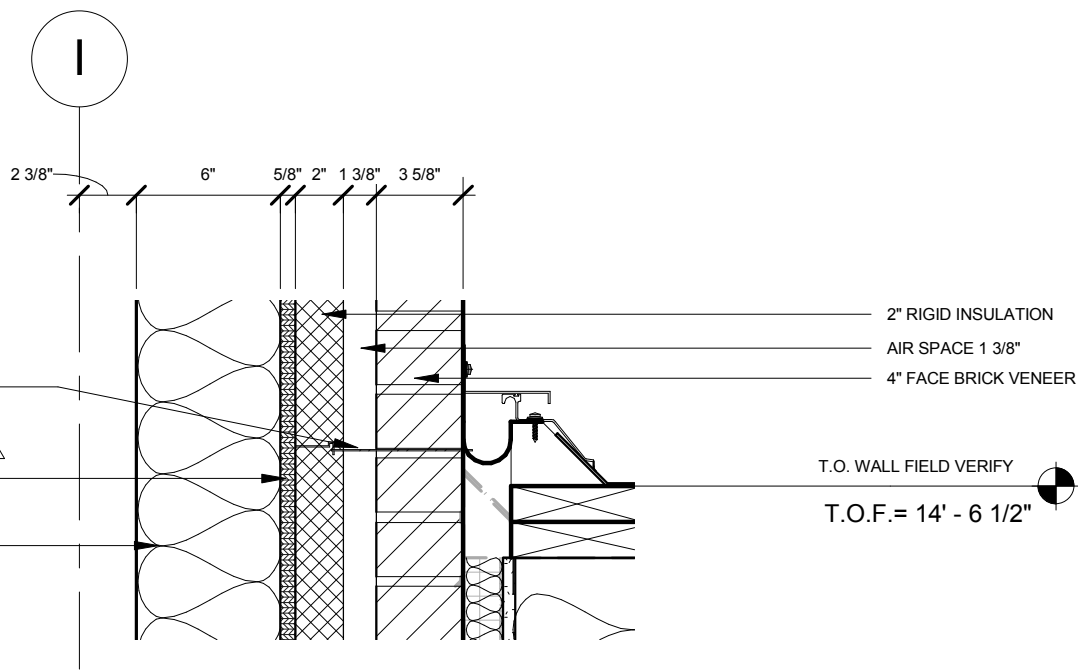
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Drawing Title
WALL SECTION

From Sheet A4-4	for CA use:
Drawing # A4-4.1	



GALV. MASONRY TIES @ 16" O.C. EACH WAY

5/8" PLYWOOD SHEATHING W/ AIR BARRIER MEMBRANE ON EXTERIOR MECH. CHASE WALLS.

6" X 16 GA. METAL STUDS @ 16" O.C. W/ R 19 BATT INSULATION

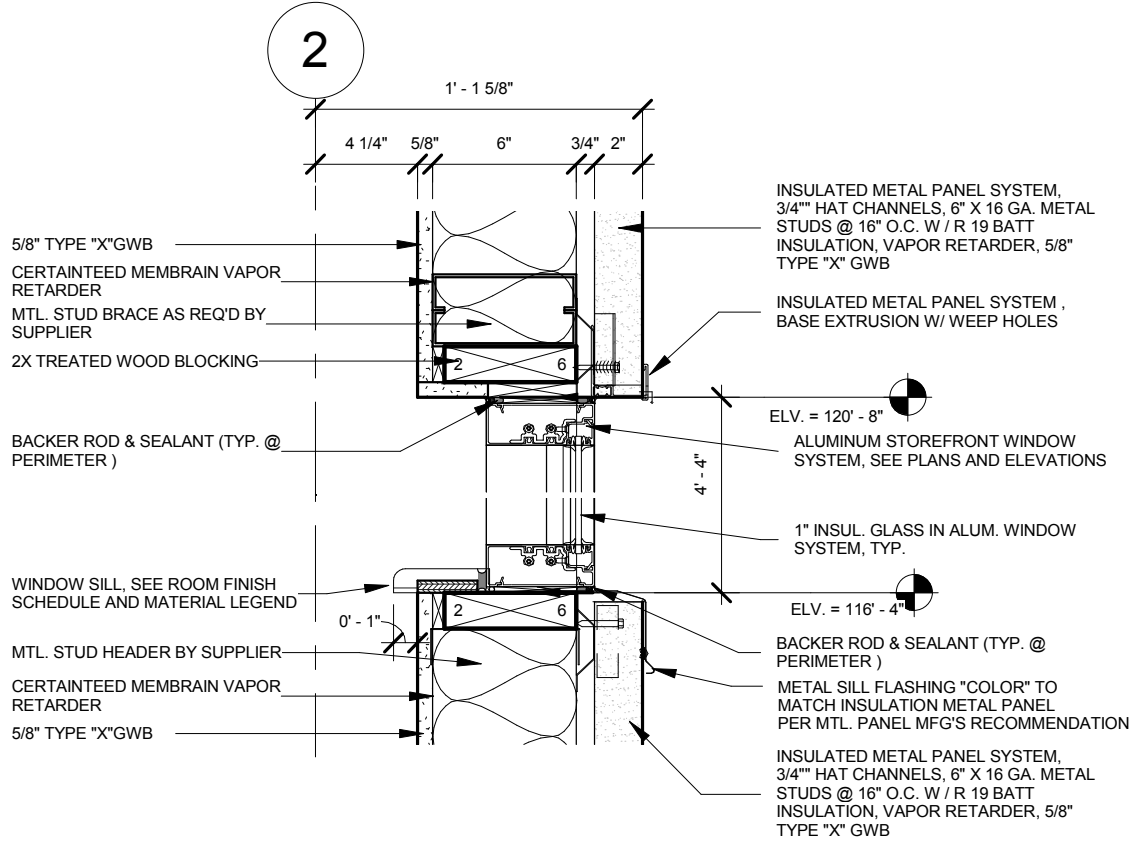
2" RIGID INSULATION
 AIR SPACE 1 3/8"
 4" FACE BRICK VENEER

T.O. WALL FIELD VERIFY
 T.O.F. = 14' - 6 1/2"

9

WALL SECTION

1 1/2" = 1'-0"



5 WALL DETAIL

CLIENT INFORMATION
Memorial Health Care Systems

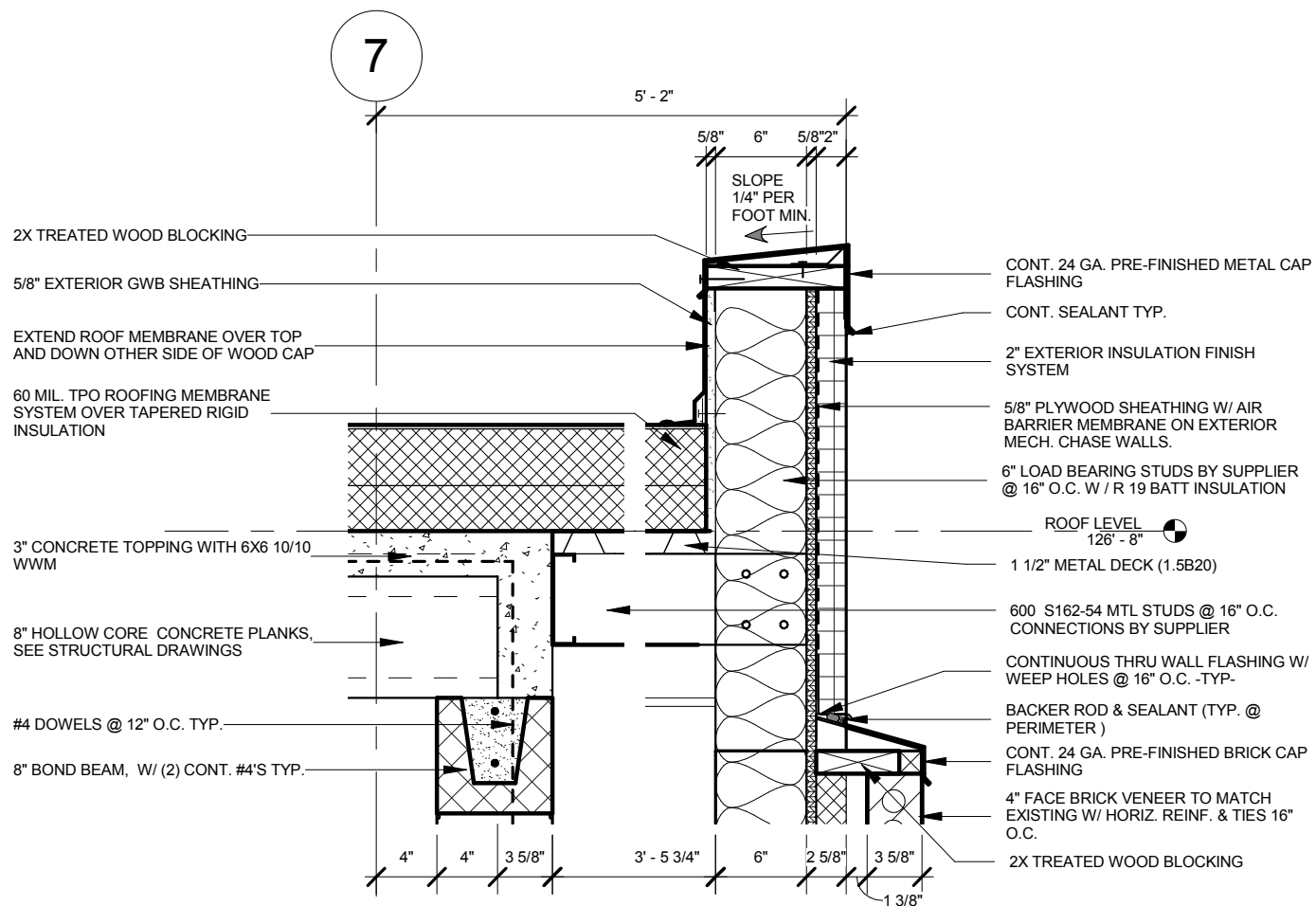
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2014 Addition and Remodel

300 North Columbia, Seward NE 68434

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Job #	13-0144
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 Drawing Title
WALL DETAIL

From Sheet A4-5	for CA use:
Drawing # A4-5.1	



20

WALL DETAIL

1" = 1'-0"

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Memorial Health Care
Systems

PROJECT INFORMATION

2014 Addition and
Remodel

300 North Columbia, Seward NE 68434

Issue Date: 07/30/14

Job # 13-0144

Drawn by: ASA

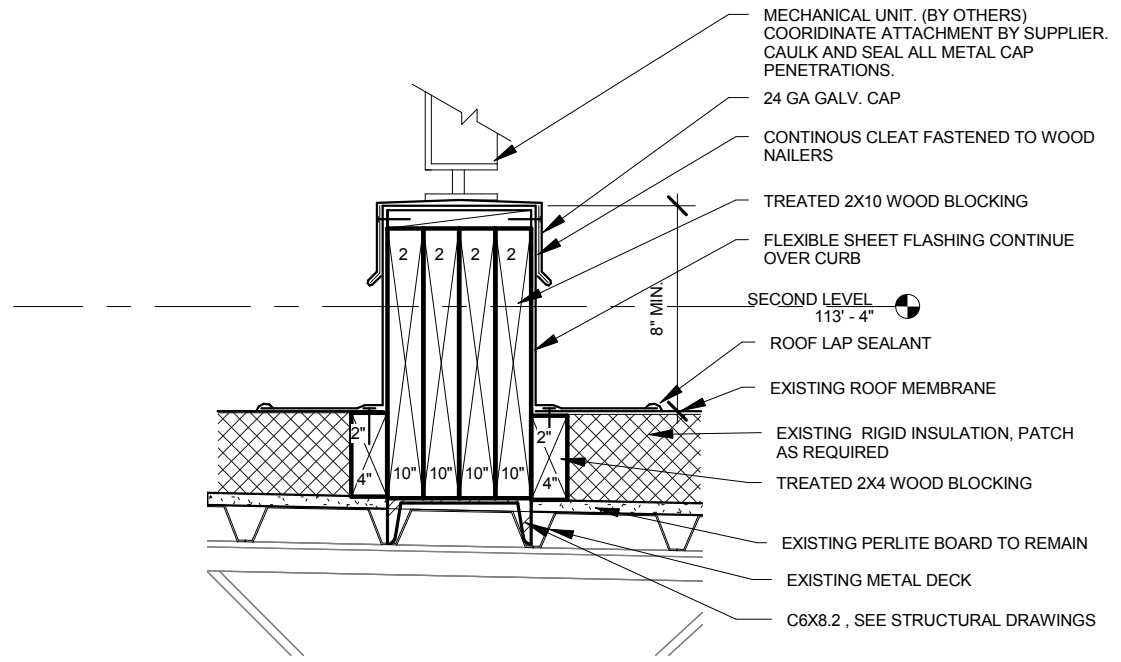
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Drawing Title
WALL DETAIL

From Sheet
A4-5

for CA use:

Drawing #
A4-5.2



23 **ROOF CURB DETAIL**
 1 1/2" = 1'-0"

CLIENT INFORMATION
Memorial Health Care Systems

PROJECT INFORMATION
2014 Addition and Remodel

300 North Columbia, Seward NE 68434

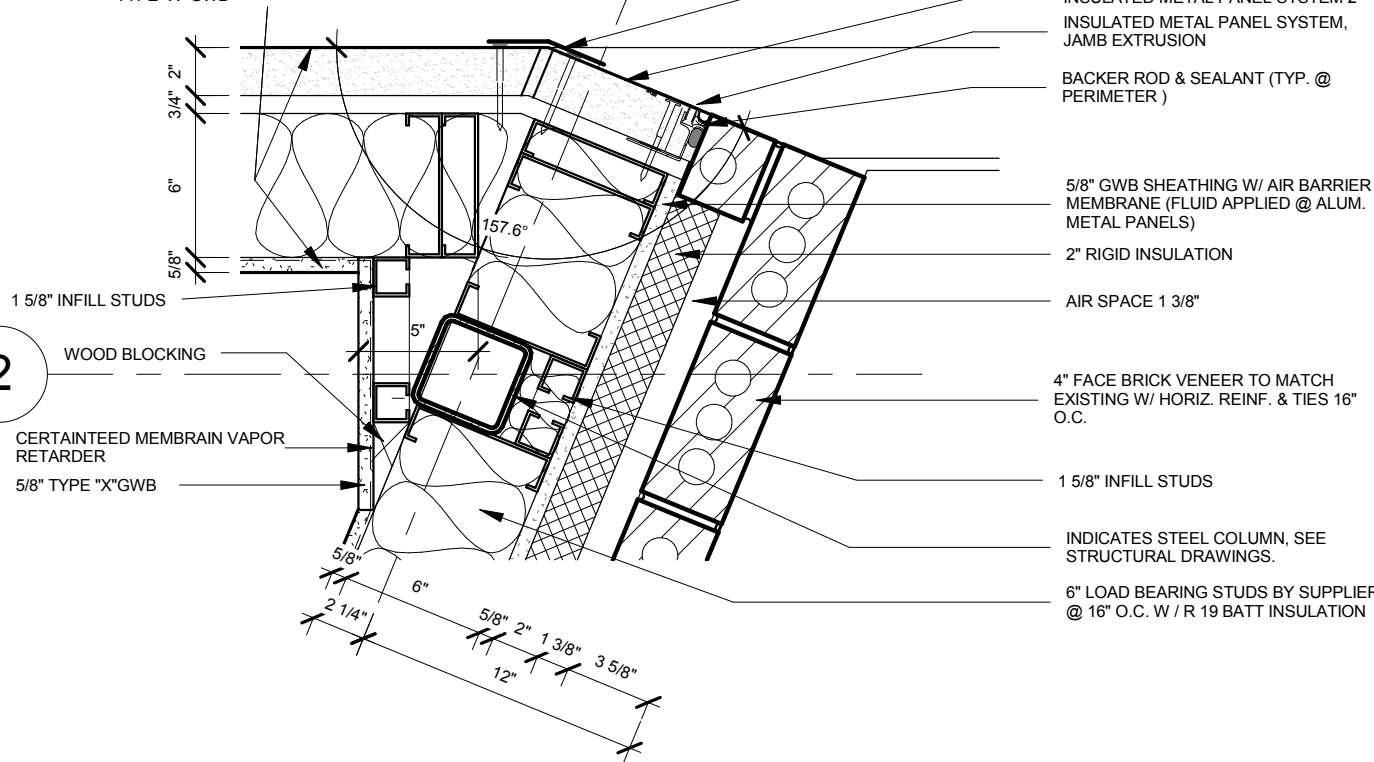
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Job #	13-0144
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 Drawing Title
TYP. CURB DETAIL

From Sheet A4-5	for CA use:
Drawing # A4-5.3	

INSULATED METAL PANEL SYSTEM,
 3/4" HAT CHANNELS, 6" X 16 GA. METAL
 STUDS @ 16" O.C. W / R 19 BATT
 INSULATION, VAPOR RETARDER, 5/8"
 TYPE "X" GWB

H



- OUTSIDE CORNER FLASHING BY INSULATED METAL PANEL SUPPLIER
- INSULATED METAL PANEL SYSTEM 2" JAMB EXTRUSION
- BACKER ROD & SEALANT (TYP. @ PERIMETER)
- 5/8" GWB SHEATHING W/ AIR BARRIER MEMBRANE (FLUID APPLIED @ ALUM. METAL PANELS)
- 2" RIGID INSULATION
- AIR SPACE 1 3/8"
- 4" FACE BRICK VENEER TO MATCH EXISTING W/ HORIZ. REINF. & TIES 16" O.C.
- 1 5/8" INFILL STUDS
- INDICATES STEEL COLUMN, SEE STRUCTURAL DRAWINGS.
- 6" LOAD BEARING STUDS BY SUPPLIER @ 16" O.C. W / R 19 BATT INSULATION

1 5/8" INFILL STUDS

2 WOOD BLOCKING

CERTAINTED MEMBRAN VAPOR RETARDER

5/8" TYPE "X"GWB

13

PLAN DETAIL

1 1/2" = 1'-0"

CLIENT INFORMATION
Memorial Health Care Systems

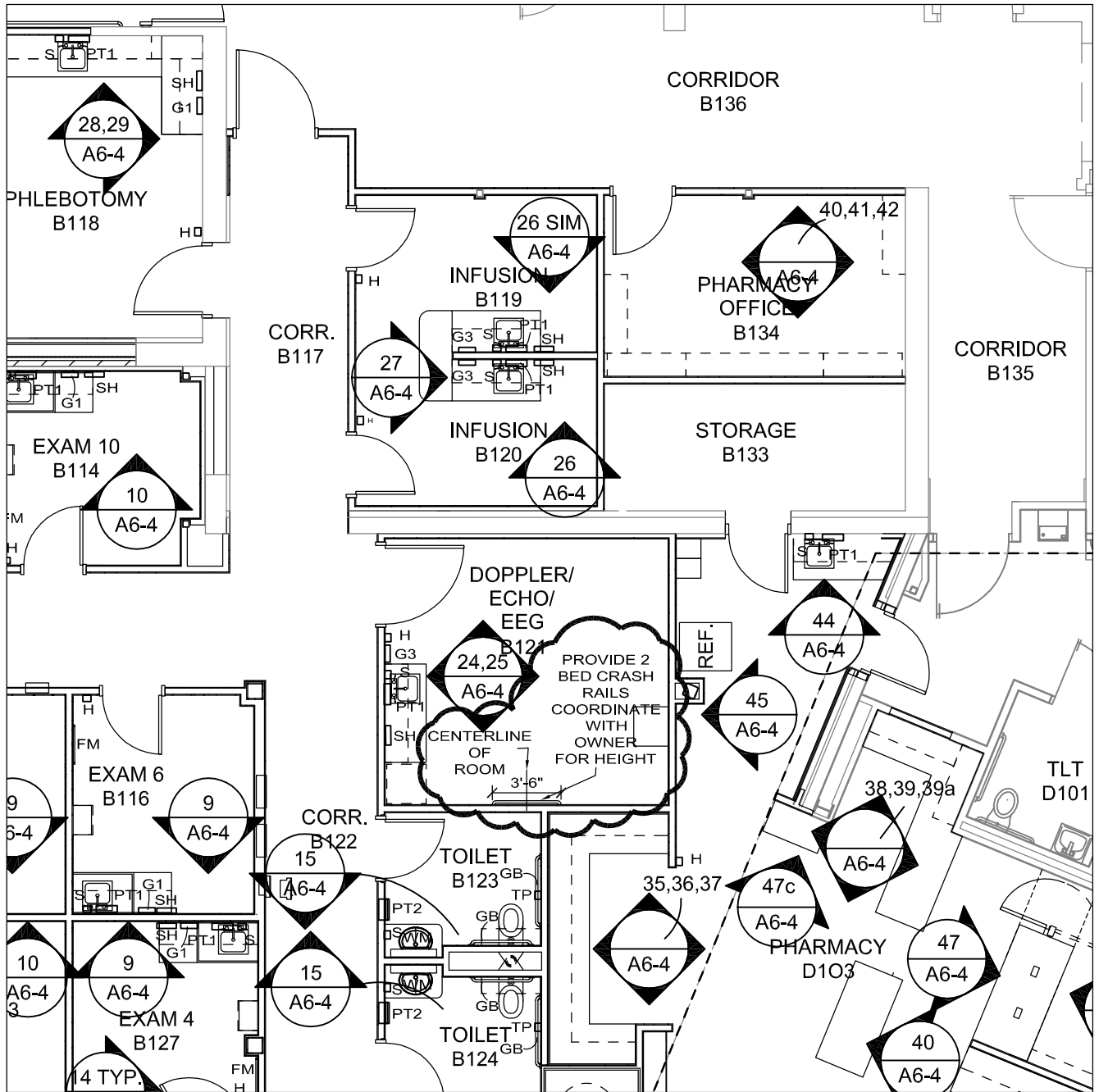
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2014 Addition and Remodel

300 North Columbia, Seward NE 68434

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 Drawing Title
PLAN DETAIL

From Sheet A4-6	for CA use:
Drawing # A4-6.1	



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**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
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Job # 13-0144

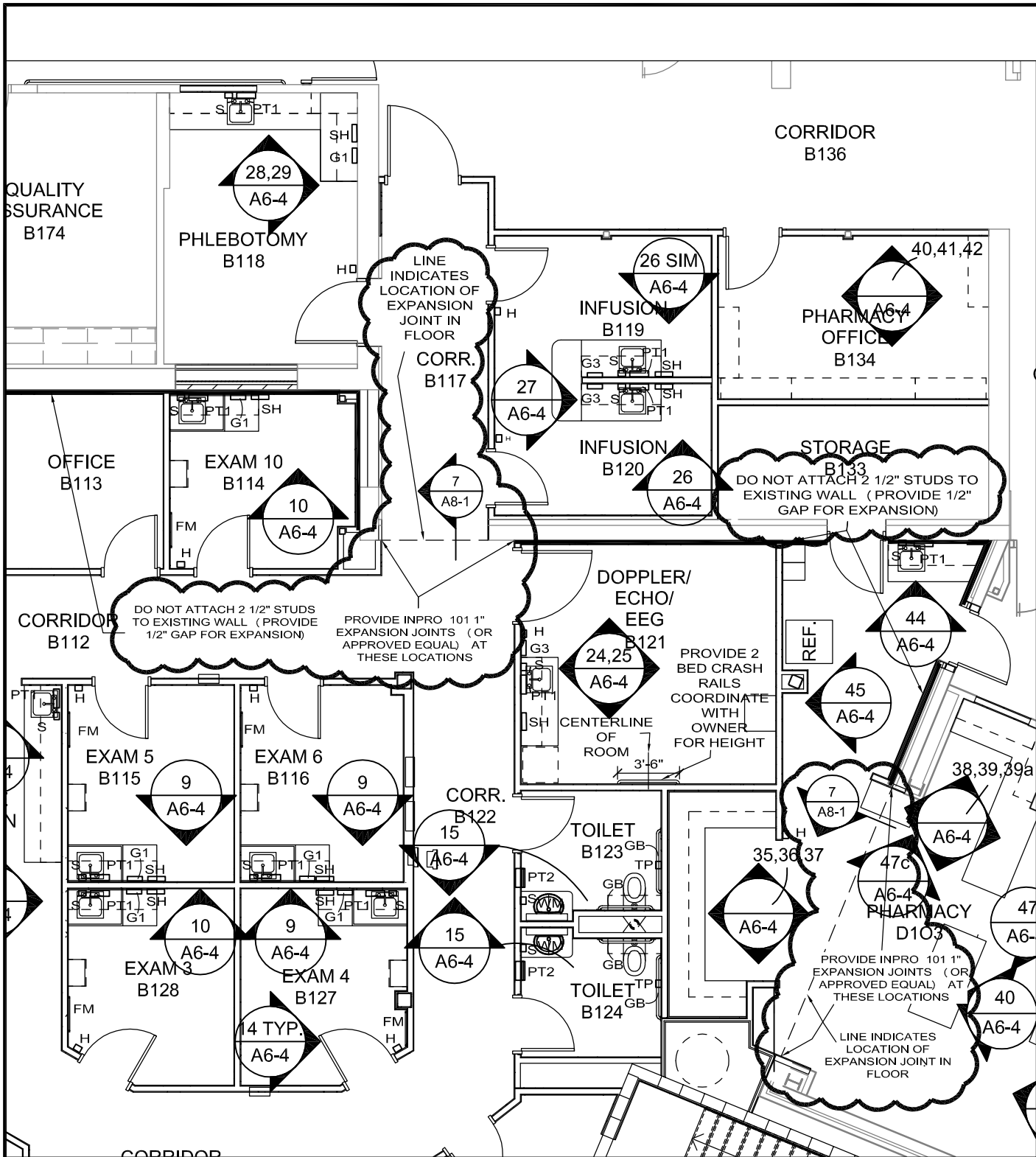
Issue Date	7/28/2014
Job #	13-0144
Drawn by:	ddh
CADD file:	

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Drawing Title
**DOPPLER/ECHO RM. B121
 REVISION**

From Sheet:	A6-2	for CA use:
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Drawing #	A6-2.1
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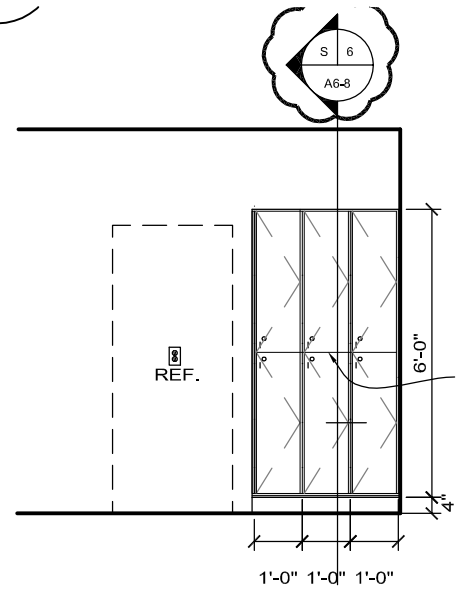
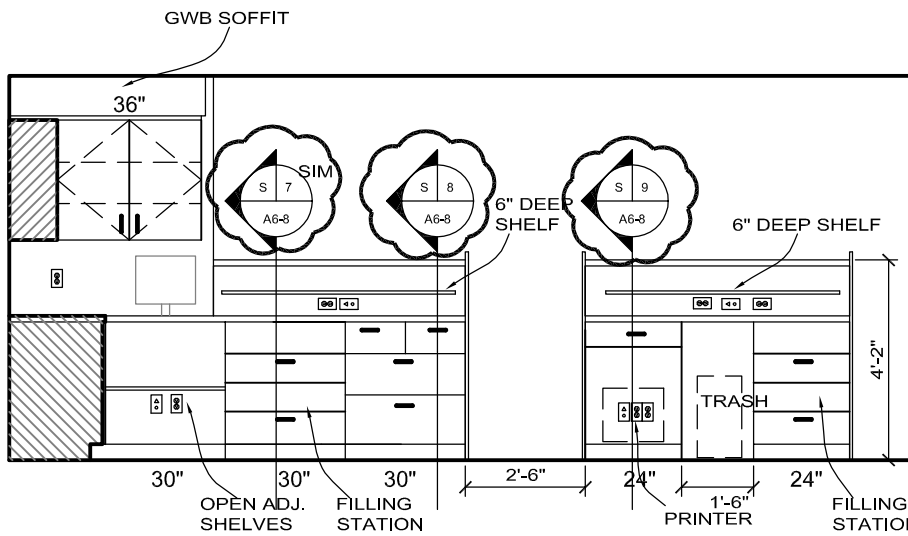
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DAVIS DESIGN
 ARCHITECTURE ENGINEERING INTERIOR DESIGN

Client Information
Memorial Health Care Systems
 300 N. Columbia Avenue
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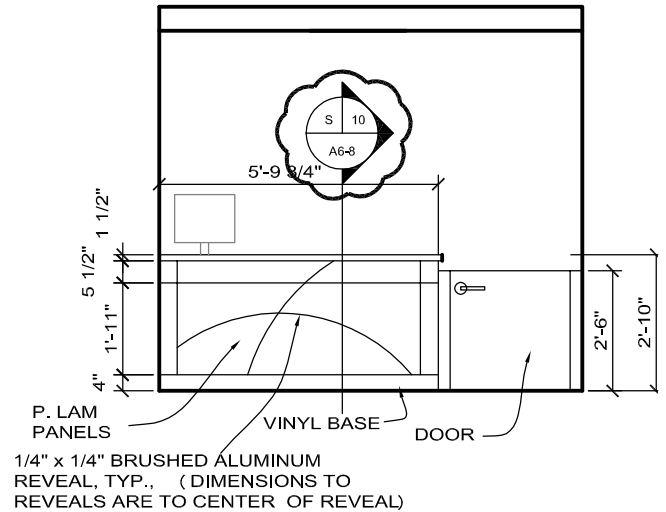
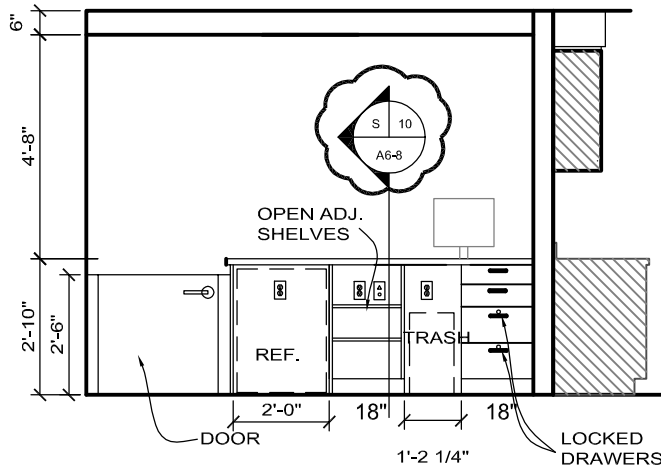
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2014 Addition and Remodel
 Job # 13-0144

Issue Date	7/30/2014
Job #	13-0144
Drawn by:	ddh
CADD file:	
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Drawing Title Expansion Joint Revision	
From Sheet:	for CA use:
A6-2	
Drawing #	
A6-2.2	



38 Pharmacy
Scale: 1/4" = 1'-0"

45 Pharmacy
Scale: 1/4" = 1'-0"



47 Pharmacy
Scale: 1/4" = 1'-0"

47a Pharmacy
Scale: 1/4" = 1'-0"

4



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Client Information
**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
Remodel**

Job # 13-0144

Issue Date 00-00-0000

Job # 13-0144

Drawn by: ddd

CADD file:

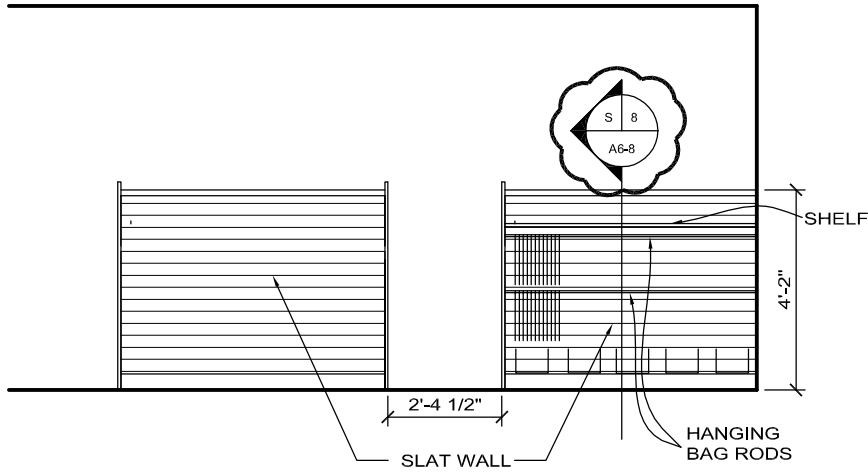
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Drawing Title
Cabinet Elevation Revisions

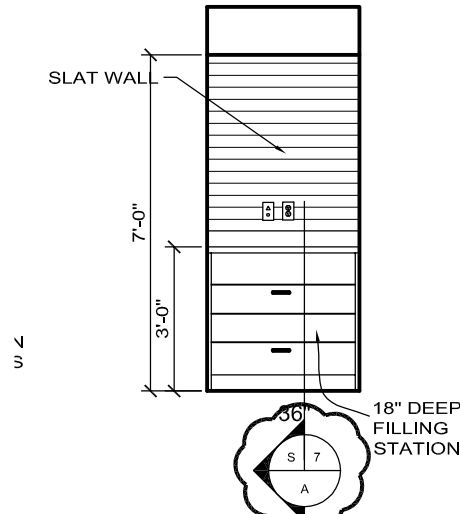
From Sheet: A6-4

for CA use:

Drawing #
A6-4.1



40 Pharmacy
Scale: 1/4" = 1'-0"



47c Pharmacy
Scale: 1/4" = 1'-0"



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Client Information
**Memorial Health
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300 N. Columbia Avenue
Seward, NE 68434

Project Information
**2014 Addition and
Remodel**

Job # 13-0144

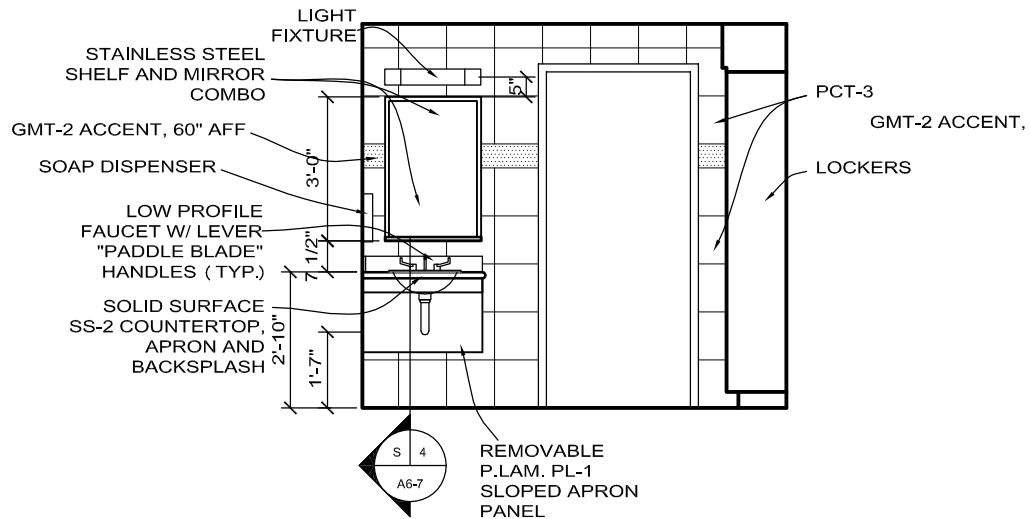
Issue Date	00-00-0000
Job #	13-0144
Drawn by:	ddh
CADD file:	

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Drawing Title
Cabinet Elevation Revisions

From Sheet:	A6-4	for CA use:
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Drawing #	A6-4.2
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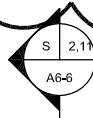


1

AQ. Therapy Locker Rm.

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

B015 & B016



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**Memorial Health
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Project Information
**2014 Addition and
 Remodel**

Job # 13-0144

Issue Date 07/30/2014

Job # 13-0144

Drawn by: ddh/cpk

CADD file:

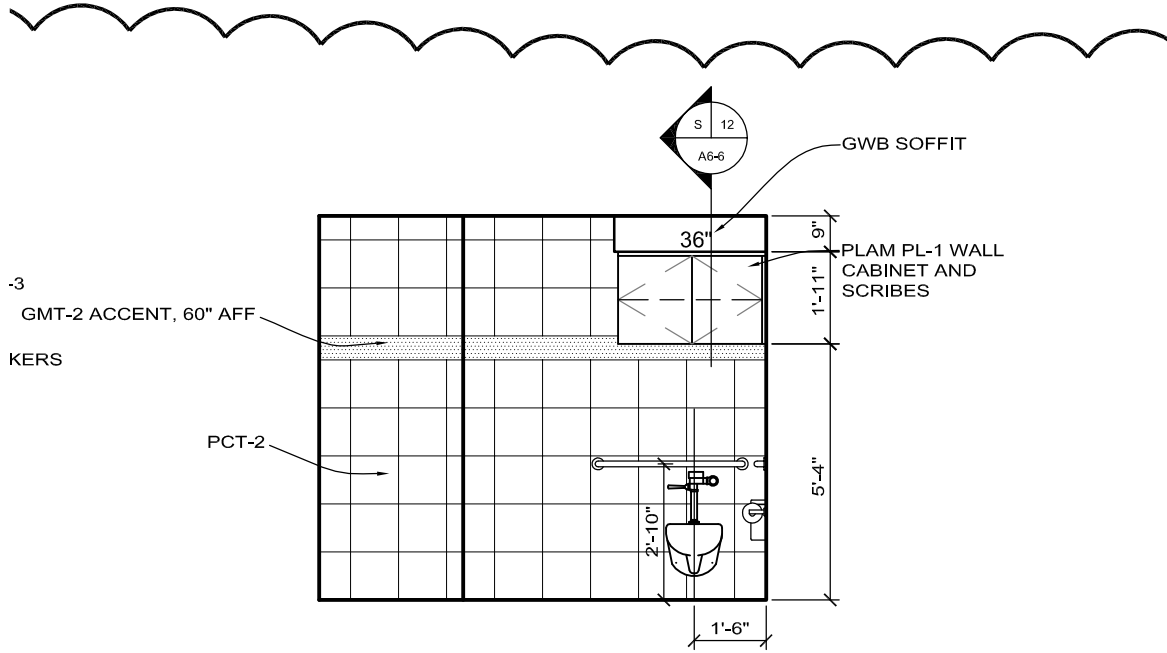
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Drawing Title
**Aqua Therapy Tile Elevations
 Revisions**

From Sheet: A6-4

for CA use:

Drawing #
 A6-4.3



Rm. 2 AQ. Therapy Locker Rm.

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

B015 & B016



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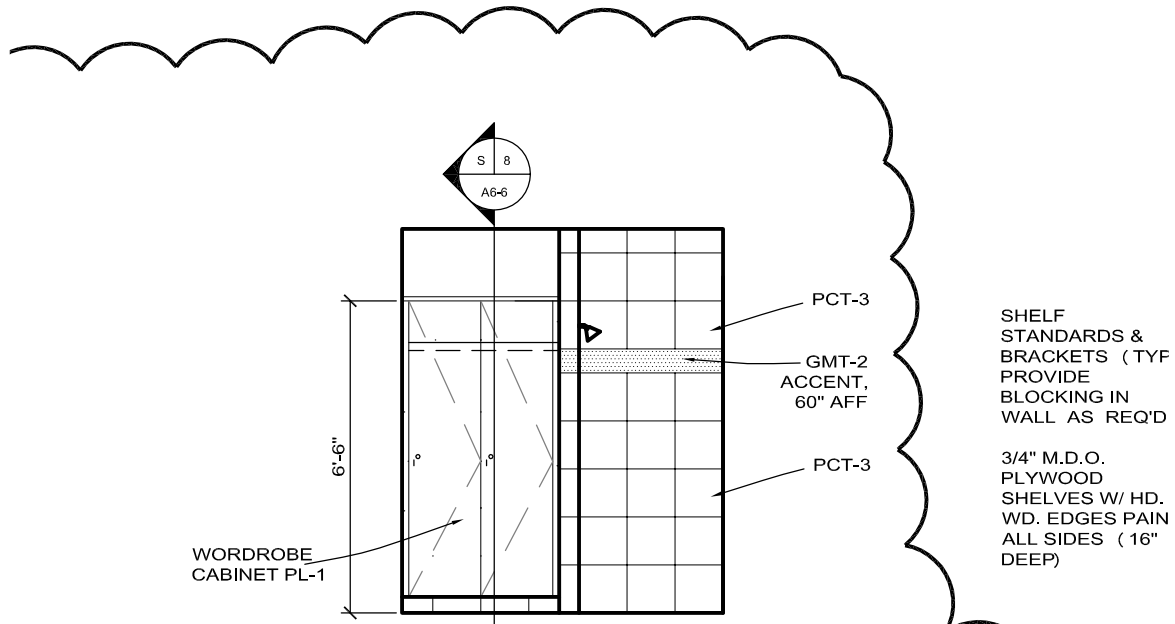
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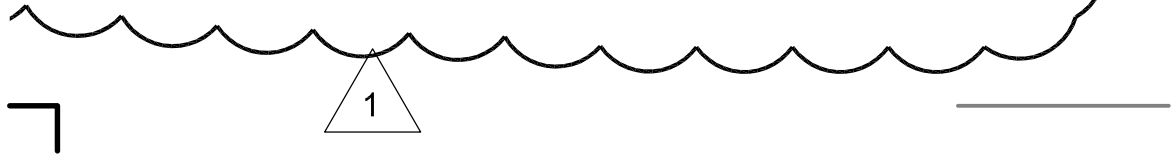
Drawing Title
**Aqua Therapy Tile Elevations
Revisions**


From Sheet:	A6-4	for CA use:
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Drawing #	A6-4.4
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Rm. **3** **AQ. Therapy Locker Rm.** **4**
 Scale: 1/4" = 1'-0" B015 & B016

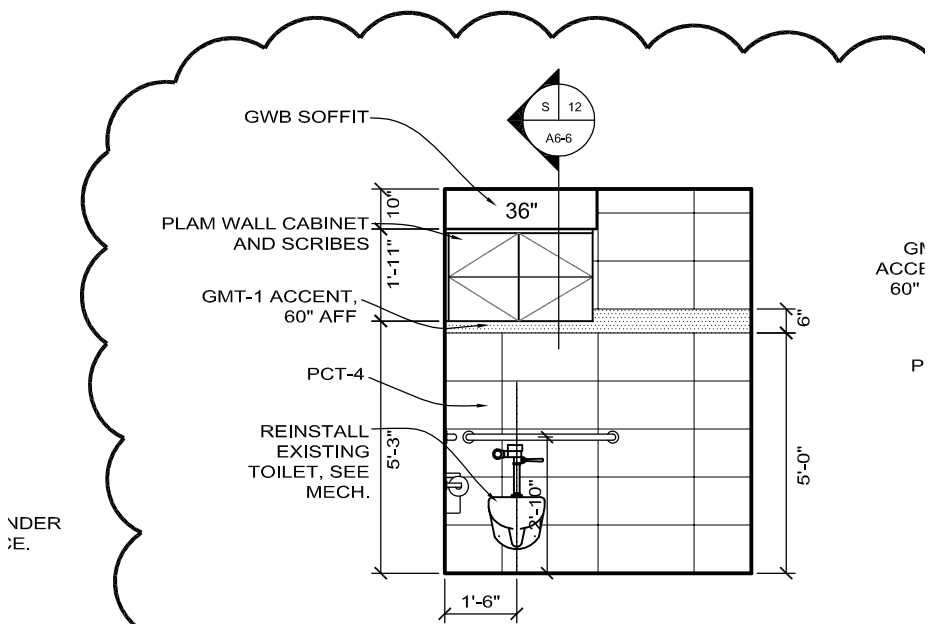


 <p>ARCHITECTURE ENGINEERING INTERIOR DESIGN</p>	<p>Lincoln 1221 N Street, Suite 600 Lincoln NE 68508 Phone 402-476-9700 Fax 402-476-9722</p>	<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p>	<p>Issue Date: 07/30/2014 Job #: 13-0144 Drawn by: ddh/cpk CADD file:</p>	
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	<p>Job # 13-0144</p>	<p>From Sheet: A6-4 for CA use:</p>	<p>Drawing # A6-4.5</p>	

B111

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

B111



UNDER
:E.

GT
ACCE
60"

P

31

Sleep Lab Toilet

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

B145 & B146

1



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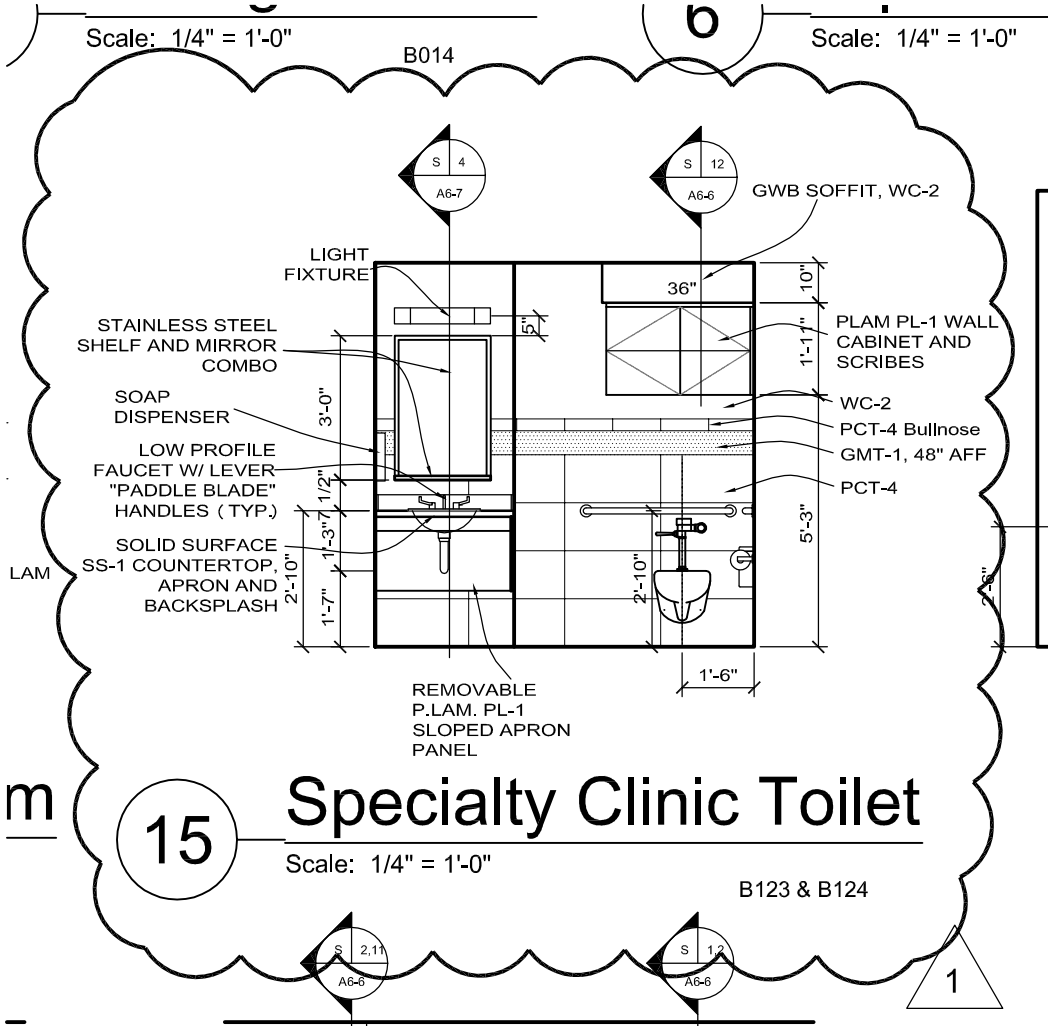
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Client Information
**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
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Job # 13-0144

Issue Date	07/30/2014
Job #	13-0144
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Drawing Title Sleep Lab Toilets Tile Elevations Revisions	
From Sheet: A6-4	for CA use:
Drawing # A6-4.6	



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**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
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Job # 13-0144

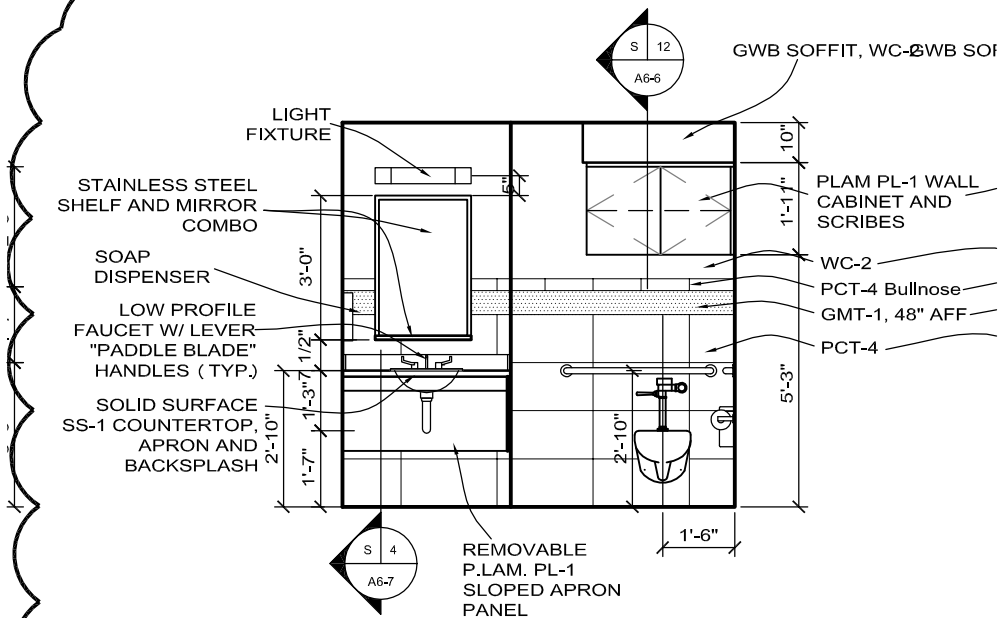
Issue Date	07/30/2014
Job #	13-0144
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CADD file:	

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Drawing Title
**Specialty Clinic Toilets
Tile Elevations Revisions**

From Sheet: **A6-4** for CA use:

Drawing #
A6-4.8



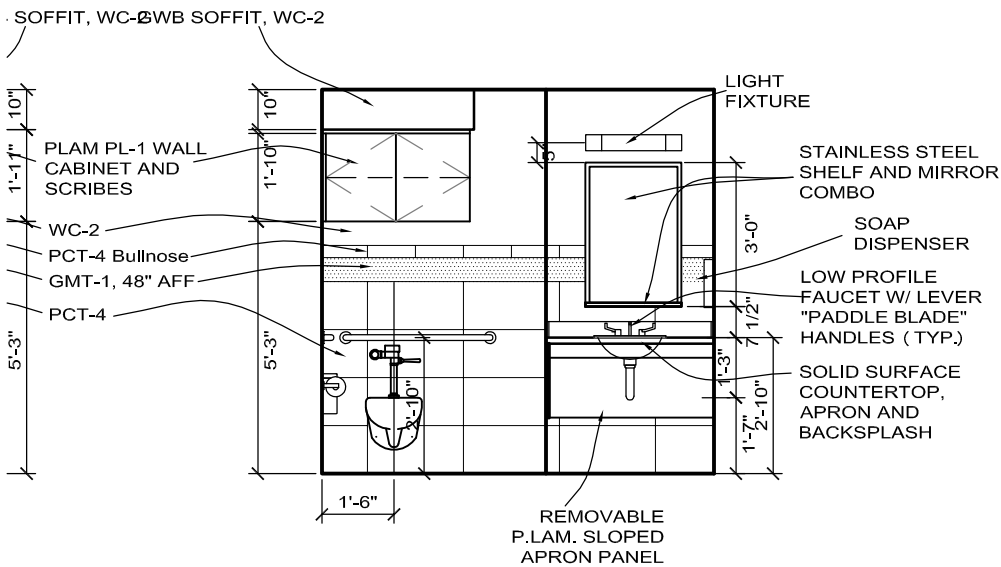
9B

Second Floor Toilet

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

B205 & B206

10B



t

10B

Second Floor Toilet

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

B205 & B206



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**Memorial Health
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300 N. Columbia Avenue
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Project Information

**2014 Addition and
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Job # 13-0144

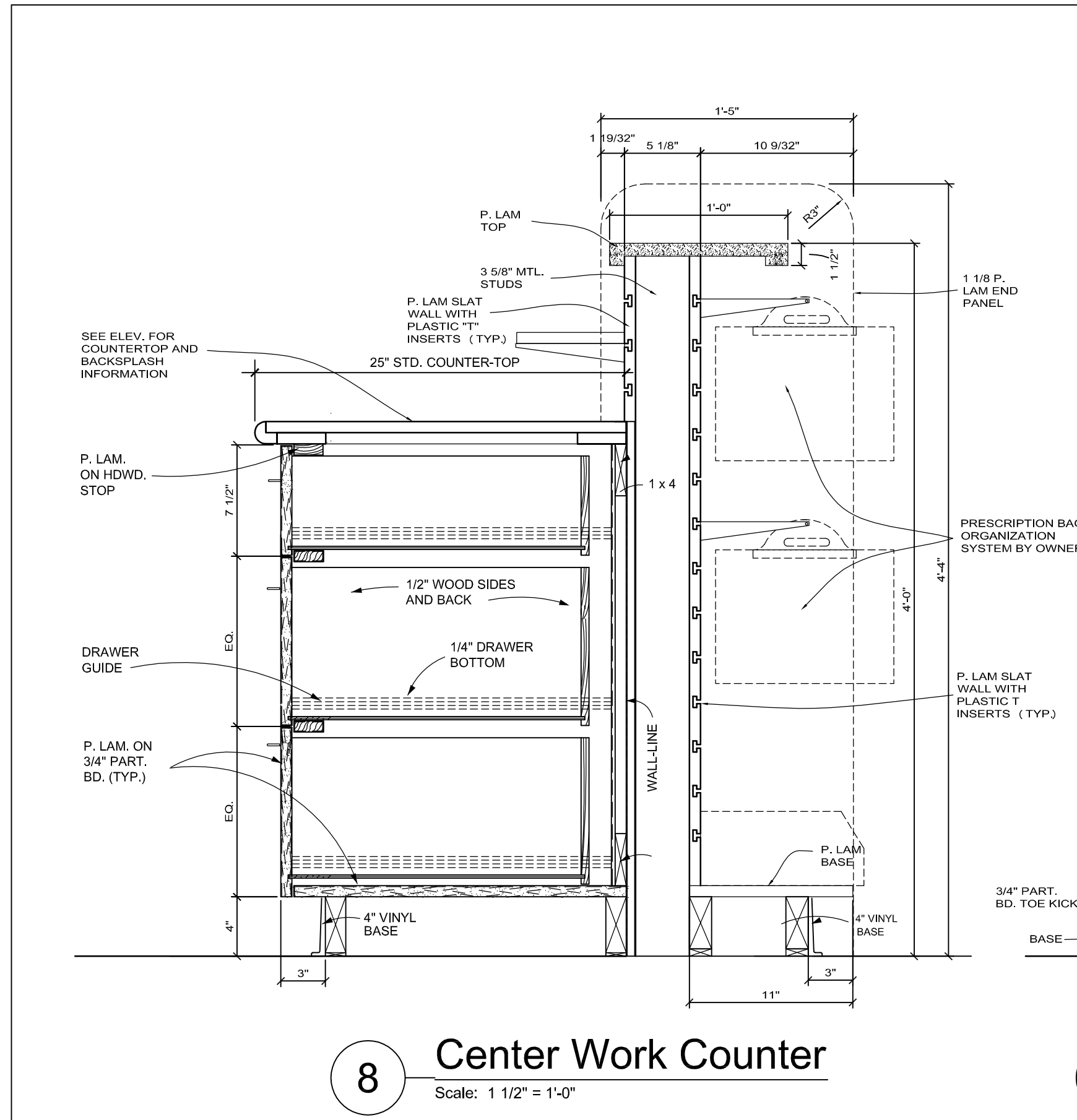
Issue Date	07/30/2014
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CADD file:	

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Drawing Title
**Second Floor Toilets
Tile Elevation Revisions**

From Sheet:	A6-4	for CA use:
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Drawing #	A6-5.1
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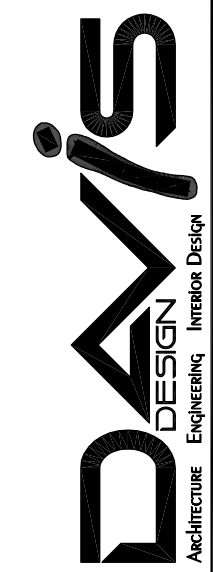
8

Center Work Counter

Scale: 1 1/2" = 1'-0"

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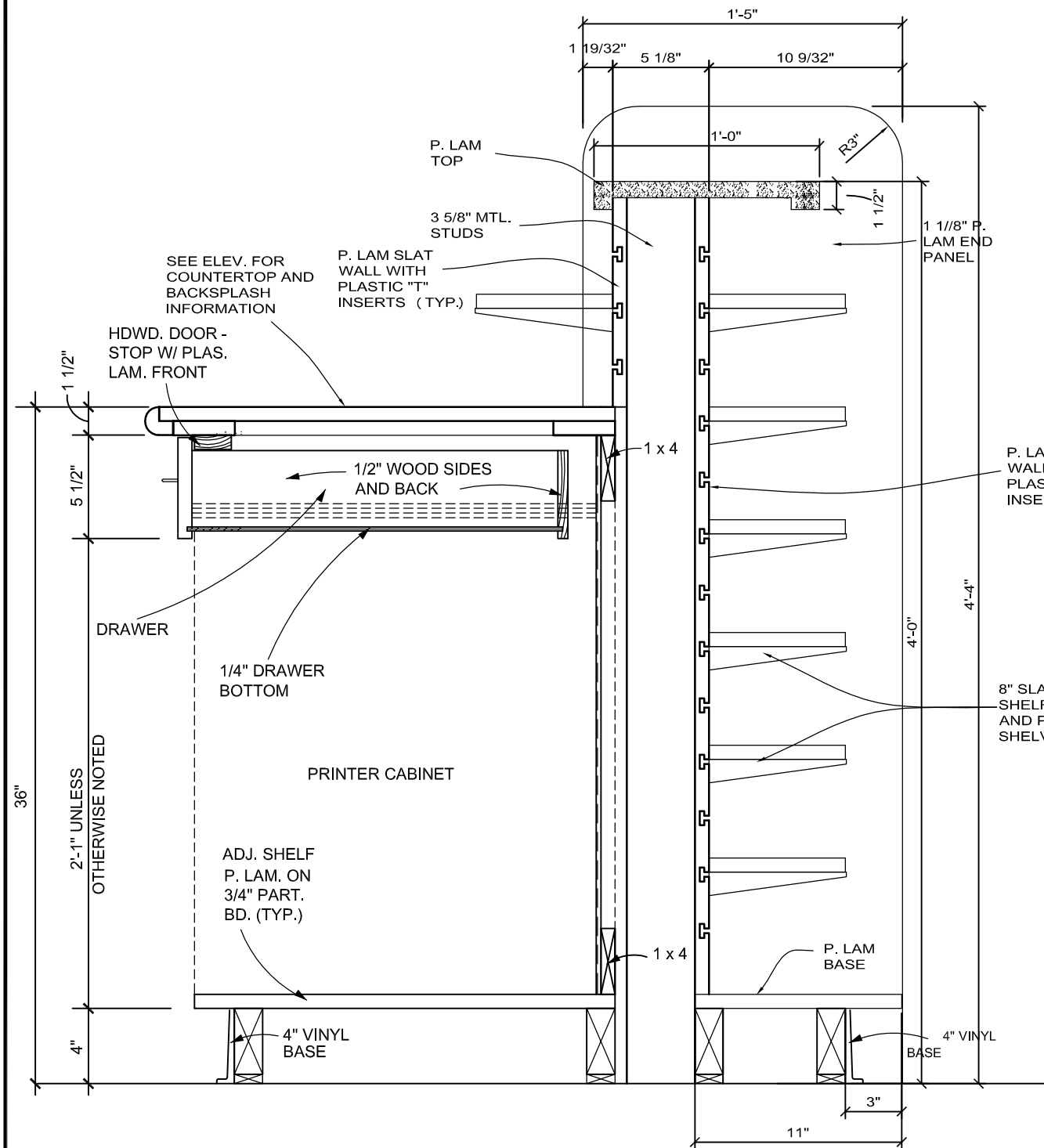
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Job # 13-0144

Issue Date	07-22-14
Job #	13-0144
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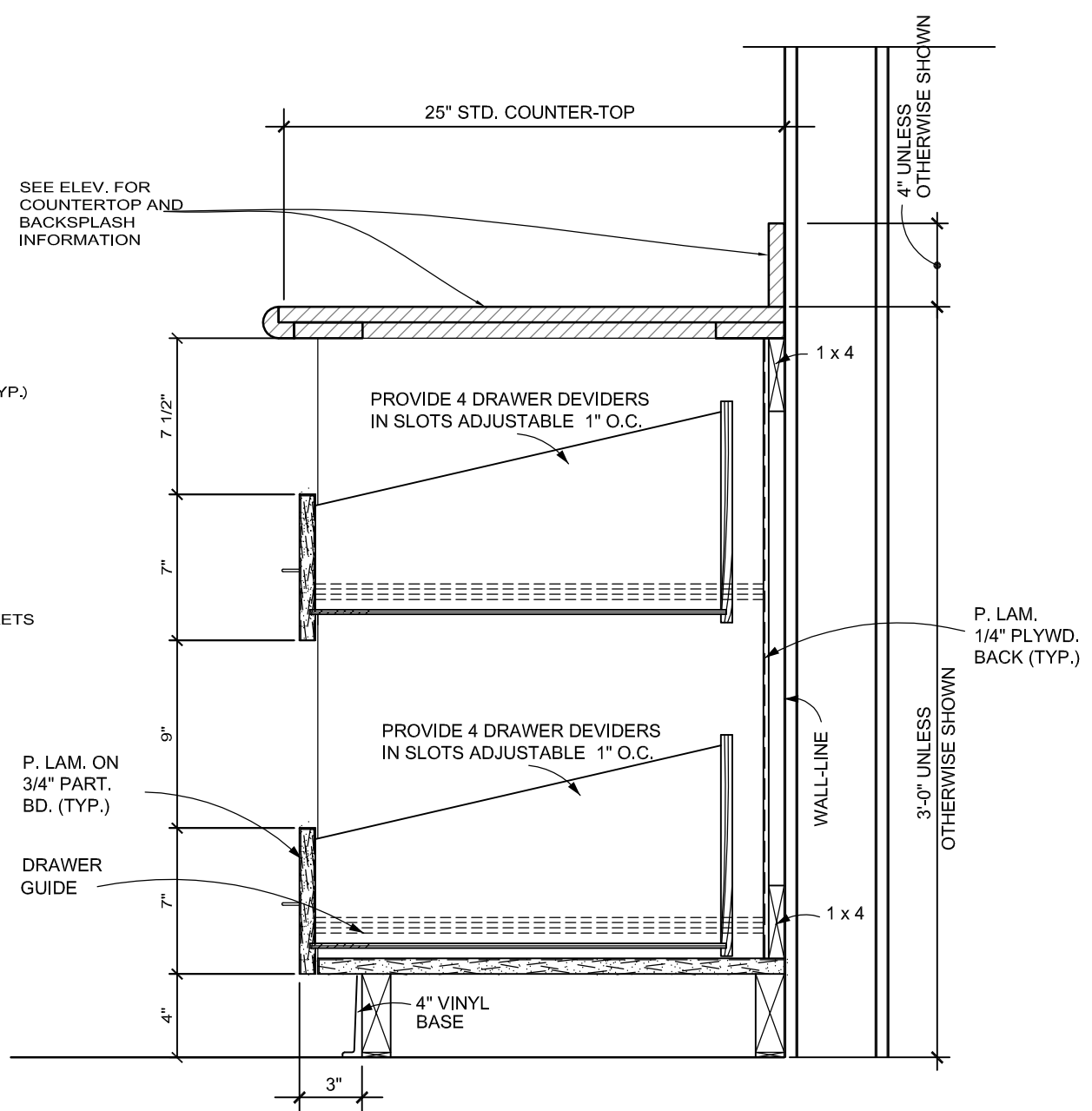
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Drawing Title
Cabinet Details

From Sheet:	A6-8	for CA use:
Drawing #	A6-8.1	



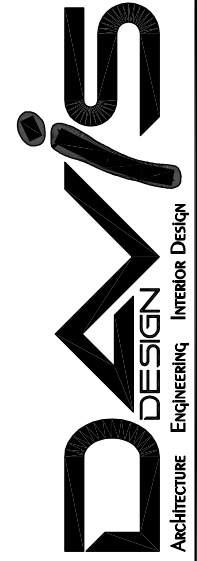
9 Center Work Counter
Scale: 1 1/2" = 1'-0"



7 Filling Station
Scale: 1 1/2" = 1'-0"

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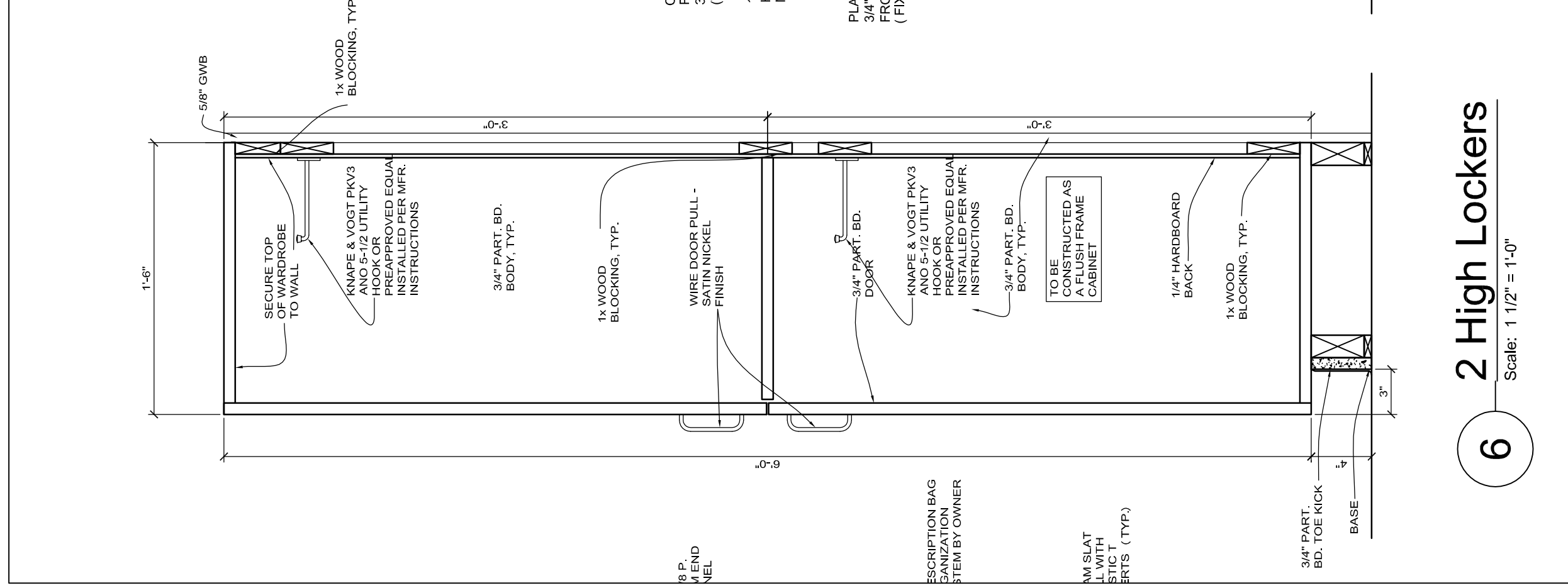
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2014 Addition and Remodel
Job # 13-0144

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Drawing Title
Cabinet Details

From Sheet:	A6-8	for CA use:
Drawing #	A6-8.2	



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**Memorial Health
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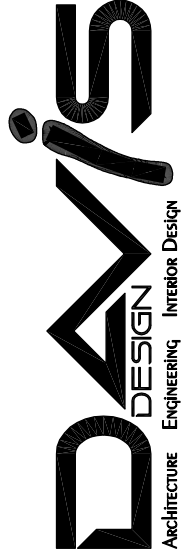
300 N. Columbia Avenue
 Seward, NE 68434

Project Information
**2014 Addition and
 Remodel**

Job # 13-0144

Lincoln
 1221 N Street, Suite 600
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 Phone 402-476-9700
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Vermillion
 15 East Main, Suite 201
 Vermillion SD 57069
 Phone 605-624-1061



Issue Date 07-22-14

Job # 13-0144

Drawn by: ddh

CADD file:

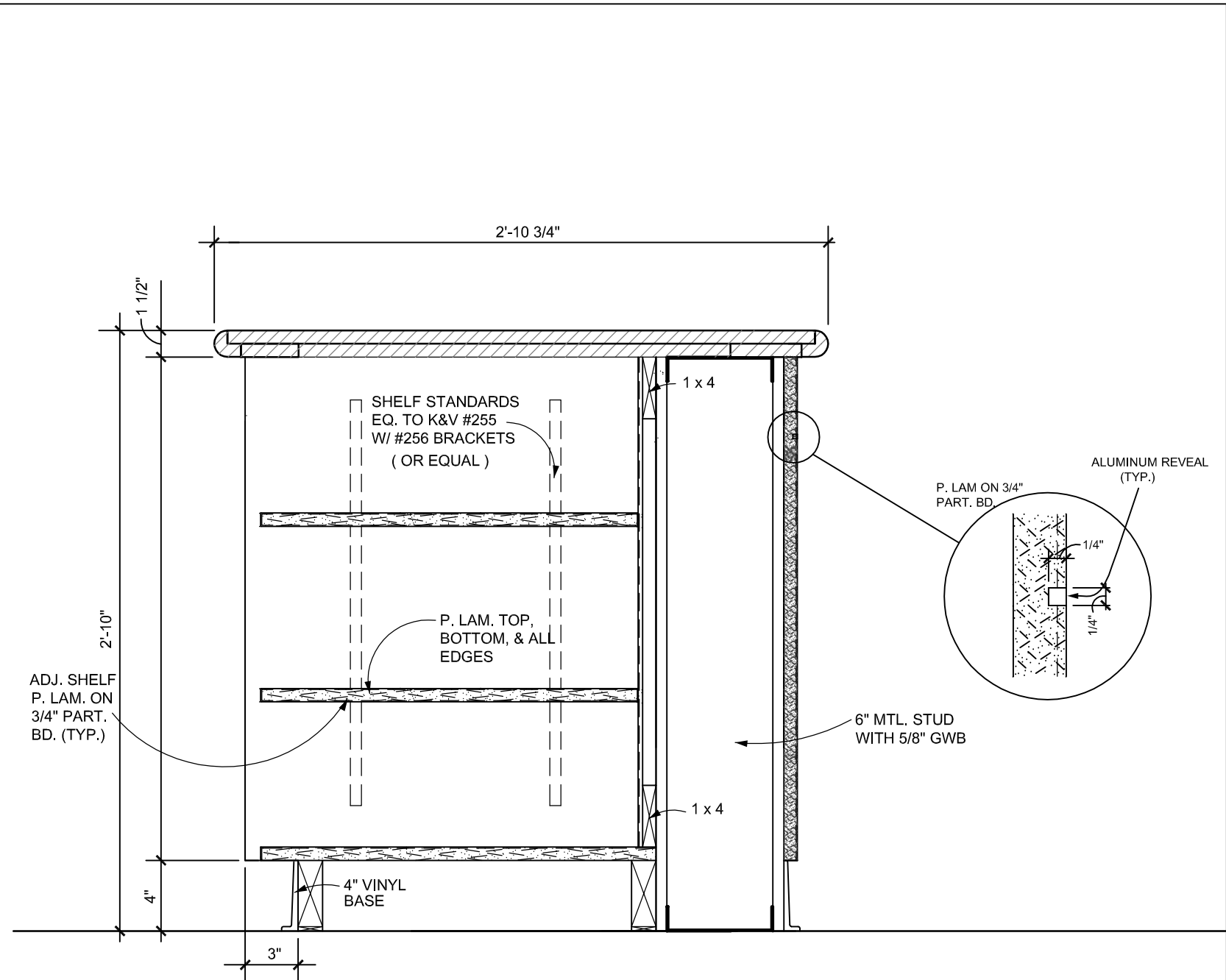
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Drawing Title

Cabinet Detail

From Sheet: A6-8 for CA use:

Drawing # A6-8.3



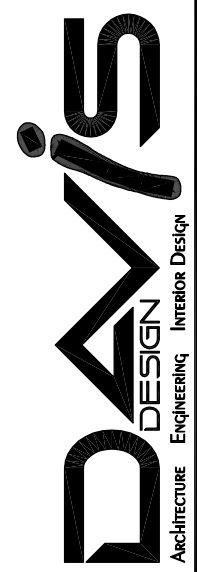
10

Island Base Cabinet @ Pharmacy

Scale: 1 1/2" = 1'-0"

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Client Information
**Memorial Health
Care Systems**
300 N. Columbia Avenue
Seward, NE 68434

Project Information
**2014 Addition and
Remodel**
Job # 13-0144

Issue Date	07-23-14
Job #	13-0144
Drawn by:	ddh
CADD file:	

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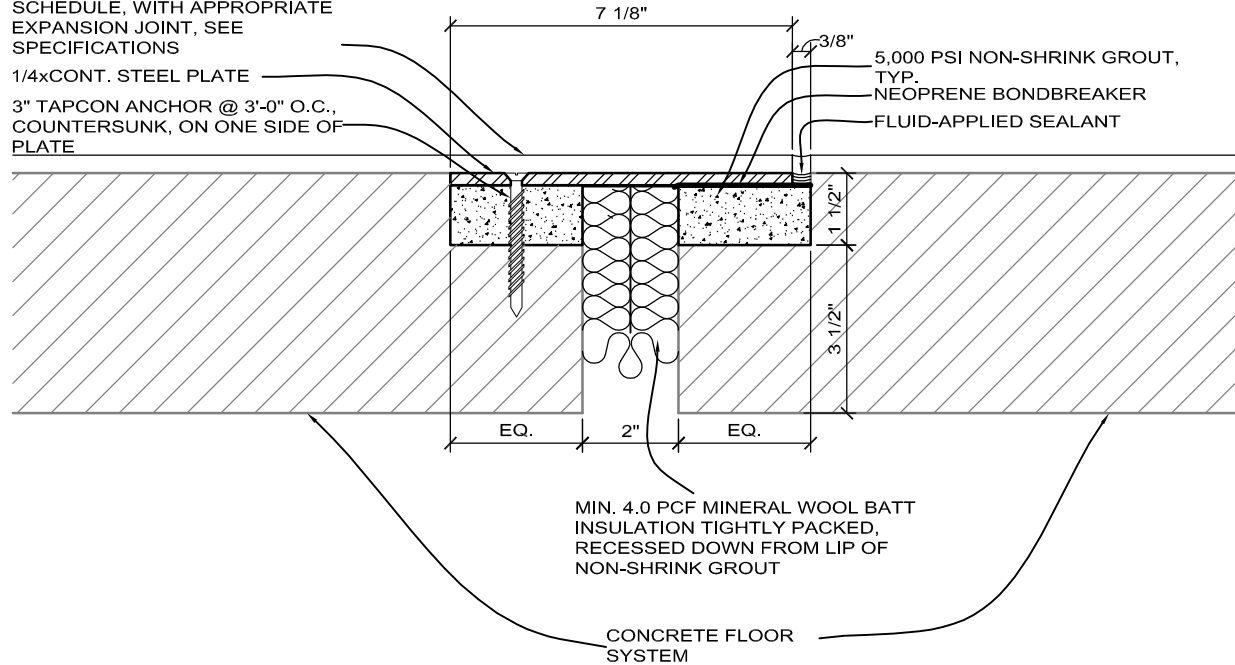
Drawing Title
Cabinet Details

From Sheet:	A6-8	for CA use:
Drawing #	A6-8.4	

FLOOR FINISH, SEE ROOM FINISH SCHEDULE, WITH APPROPRIATE EXPANSION JOINT, SEE SPECIFICATIONS

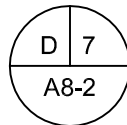
1/4xCONT. STEEL PLATE

3" TAPCON ANCHOR @ 3'-0" O.C., COUNTERSUNK, ON ONE SIDE OF PLATE



MIN. 4.0 PCF MINERAL WOOL BATT INSULATION TIGHTLY PACKED, RECESSED DOWN FROM LIP OF NON-SHRINK GROUT

CONCRETE FLOOR SYSTEM



FLOOR EXP. JT.

SCALE: 3"=1'-0"

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Client Information

Memorial Health
Care Systems

300 N. Columbia Avenue
Seward, NE 68434

Project Information

2014 Addition and
Remodel

Job # 13-0144

Issue Date	7/30/14
Job #	13-0144
Drawn by:	ddh
CADD file:	

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Drawing Title

EXPANSION JOINT DETAIL

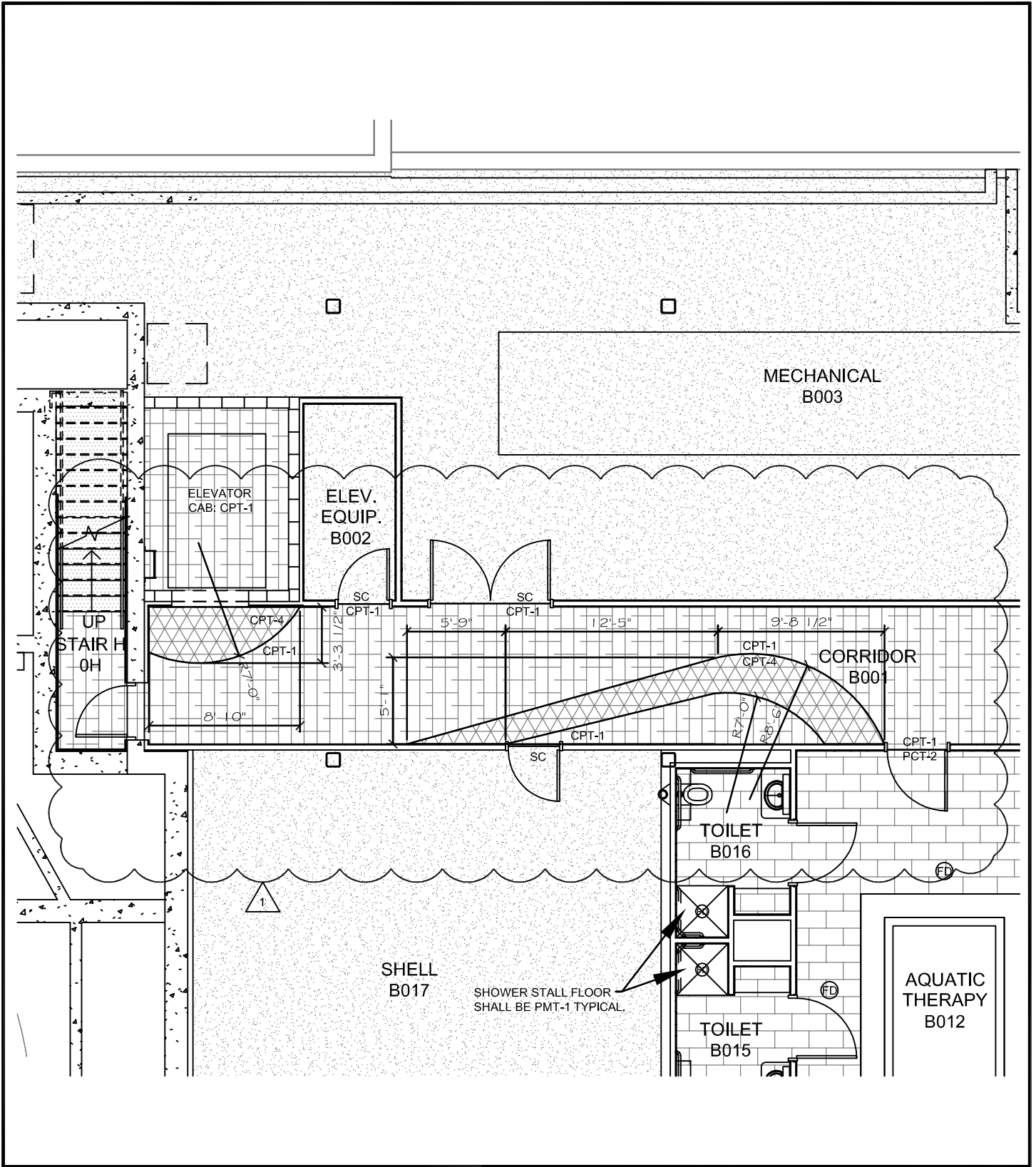
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A8-1

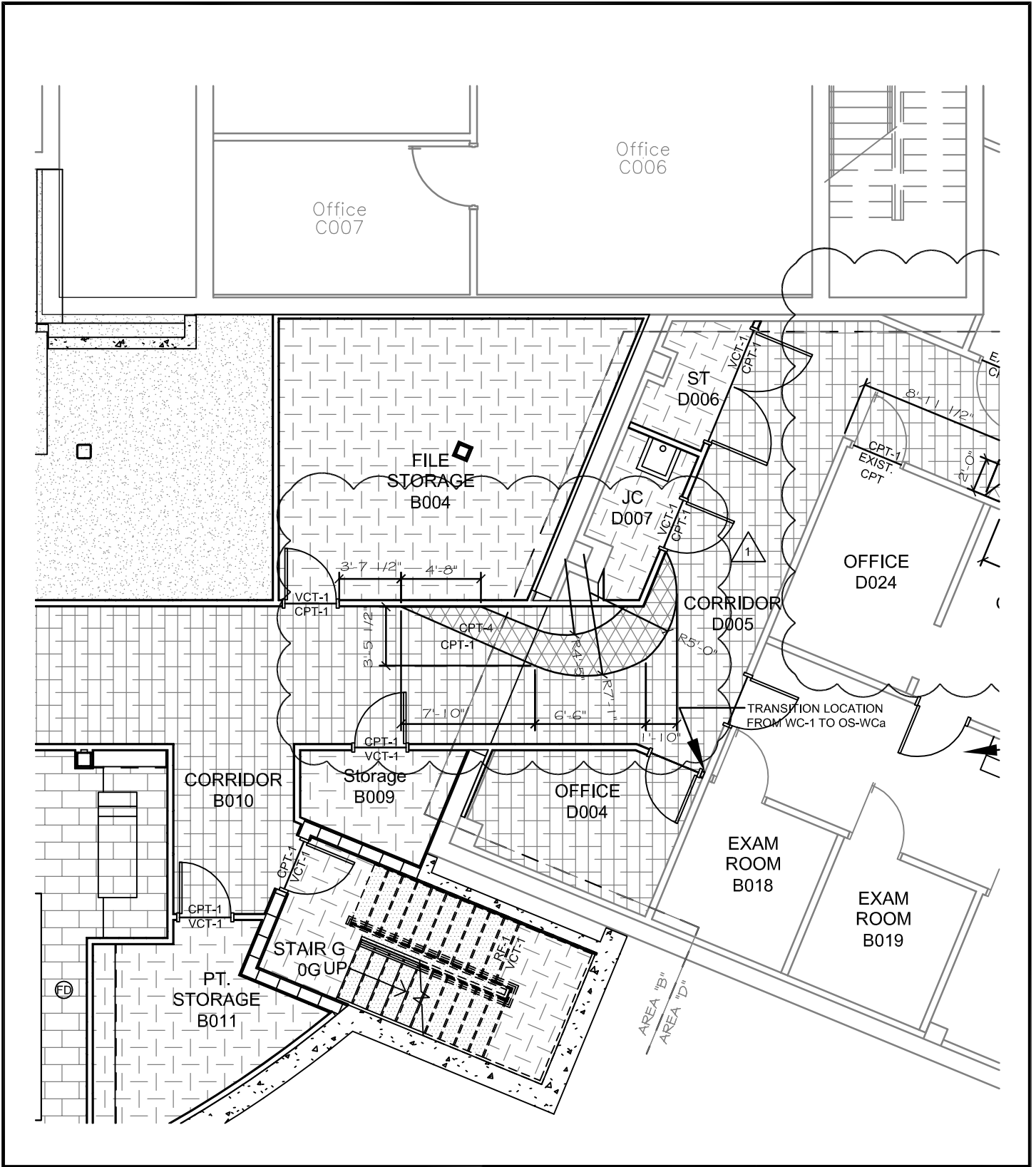
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Drawing #

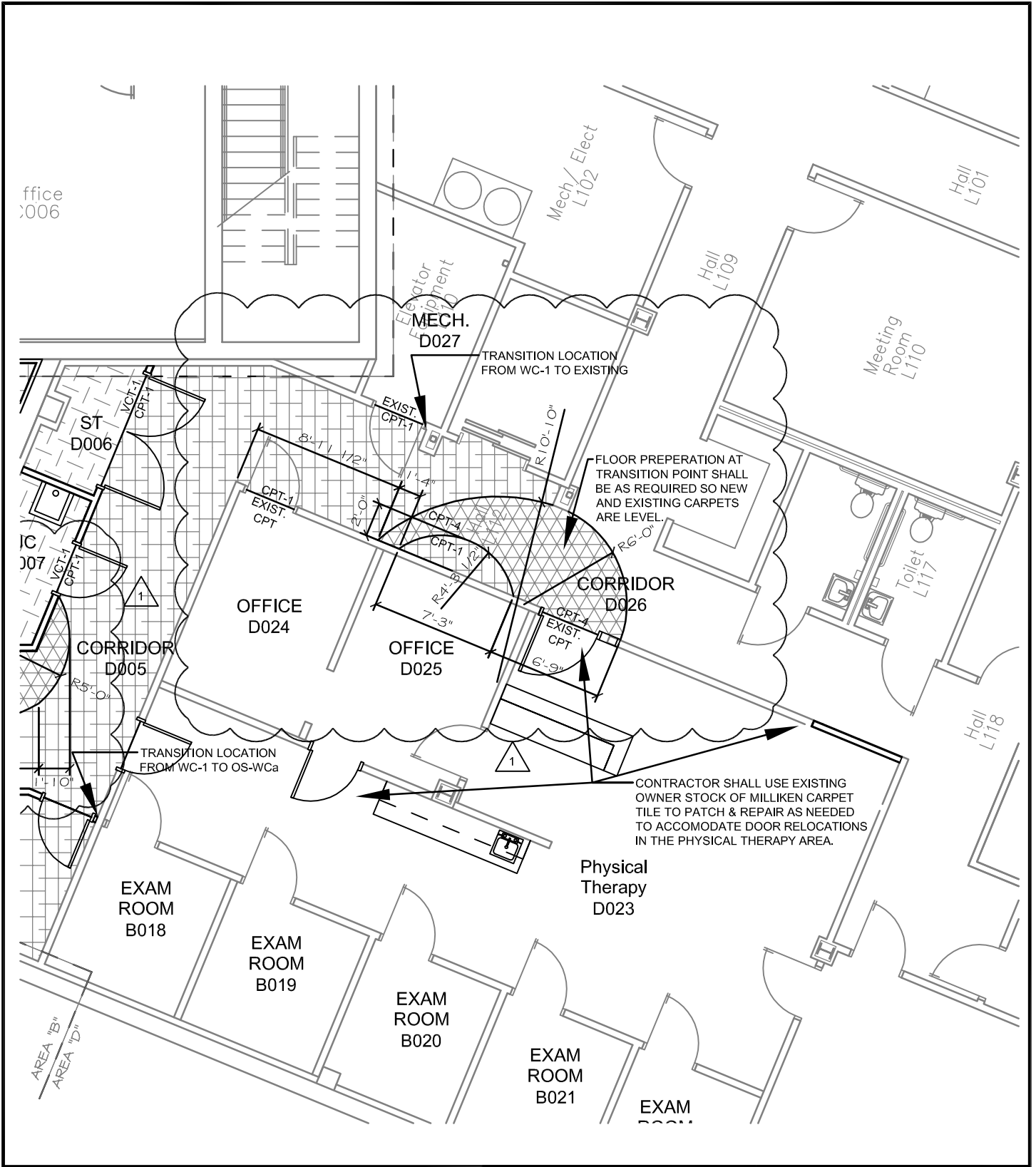
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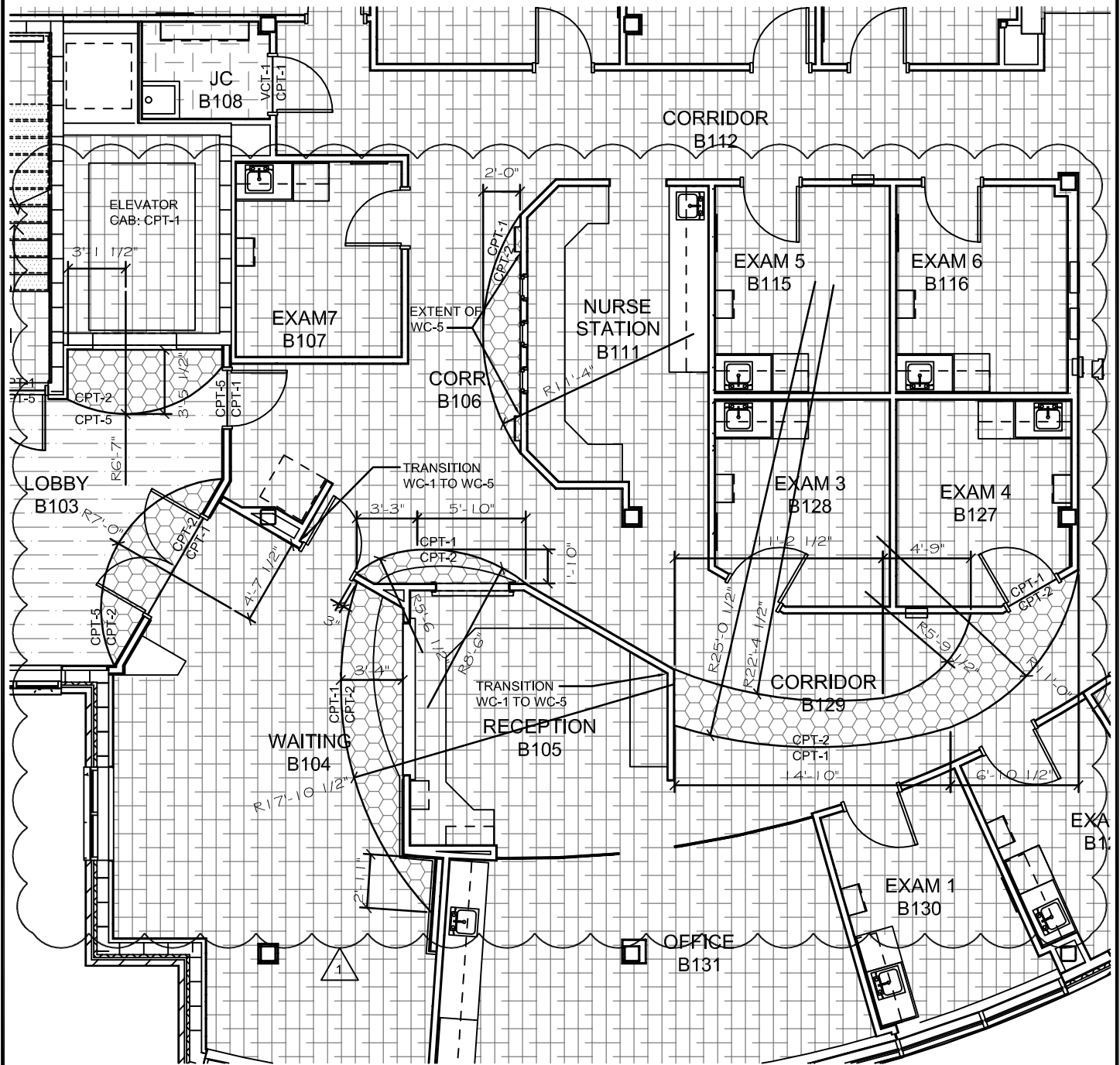
 <p>DAVIS DESIGN Architecture Engineering Interior Design</p>	<p>Lincoln 1221 N Street, Suite 600 Lincoln NE 68508 Phone 402-476-9700 Fax 402-476-9722</p>	<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p>	<p>Issue Date 7/30/2014 Job # 13-0144 Drawn by: MC CADD file: COPYRIGHT © DAVIS DESIGN ALL RIGHTS RESERVED</p>	
	<p>Vermillion 15 East Main, Suite 201 Vermillion SD 57069 Phone 605-624-1081</p>	<p>Project Information 2014 Addition and Remodel Footing and Foundation Package</p>	<p>Drawing Title FLOOR PATTERN DIMENSIONS CORRIDOR B001</p>	<p>From Sheet: I-0B for CA use: Drawing # I-0B.1</p>




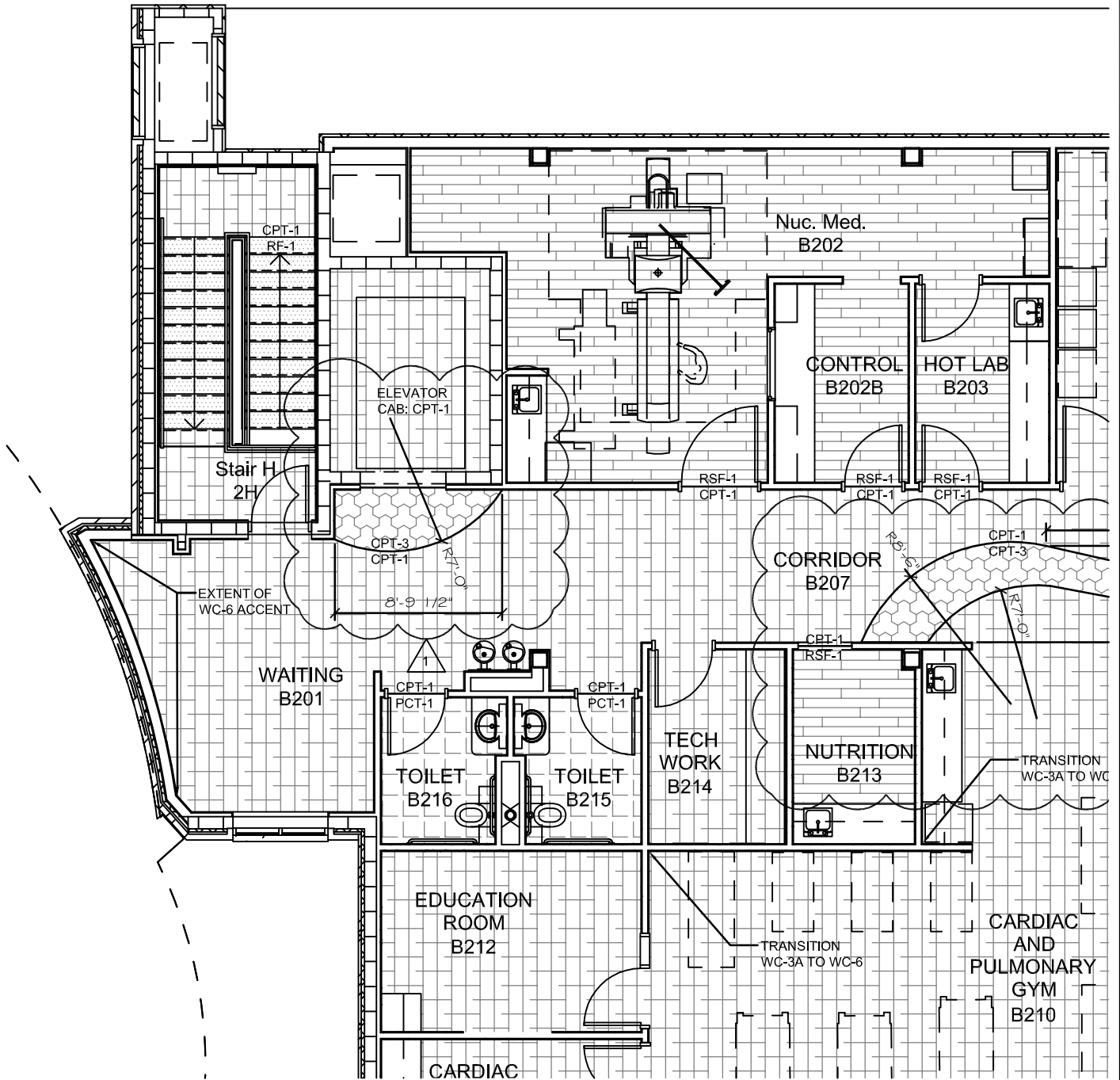
 <p>Architecture Engineering Interior Design</p>	<p>Lincoln 1221 N Street, Suite 600 Lincoln NE 68508 Phone 402-476-9700 Fax 402-476-9722</p>	<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p>	<p>Issue Date 7/30/2014 Job # 13-0144 Drawn by: MC CADD file: COPYRIGHT © DAVIS DESIGN ALL RIGHTS RESERVED</p>
	<p>Vermillion 15 East Main, Suite 201 Vermillion SD 57069 Phone 605-624-1081</p>	<p>Project Information 2014 Addition and Remodel Footing and Foundation Package</p>	<p>Drawing Title FLOOR PATTERN DIMENSIONS CORRIDOR D005</p>



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		<p>Project Information</p> <p>2014 Addition and Remodel Footing and Foundation Package</p>	<p>Drawing Title</p> <p>FLOOR PATTERN DIMENSIONS CORRIDOR D026</p> <p>From Sheet: I-0B for CA use:</p> <p>Drawing #: I-0B.3</p>



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	<p>Vermillion 15 East Main, Suite 201 Vermillion SD 57069 Phone 605-624-1081</p>	<p>Project Information 2014 Addition and Remodel</p>	<p>Drawing Title FLOOR PATTERN DIMENSIONS AREA B</p>	<p>From Sheet: I-1B for CA use: Drawing # I-1B.1</p>
	<p>Job # 13-0144</p>			



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Client Information
**Memorial Health
 Care Systems**

300 N. Columbia Avenue
 Seward, NE 68434

Project Information
**2014 Addition and
 Remodel**

Job # 13-0144

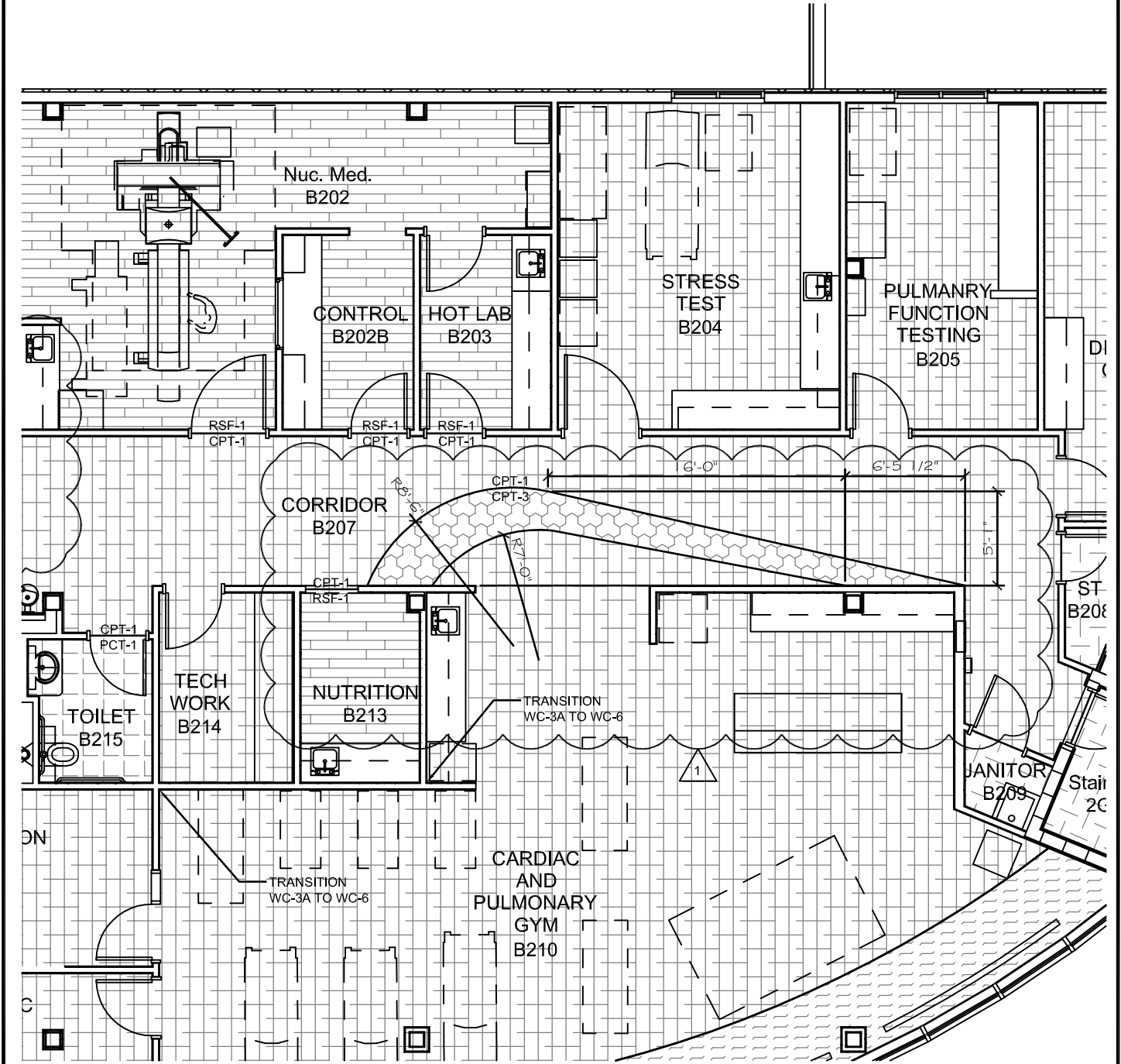
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 Job # 13-0144
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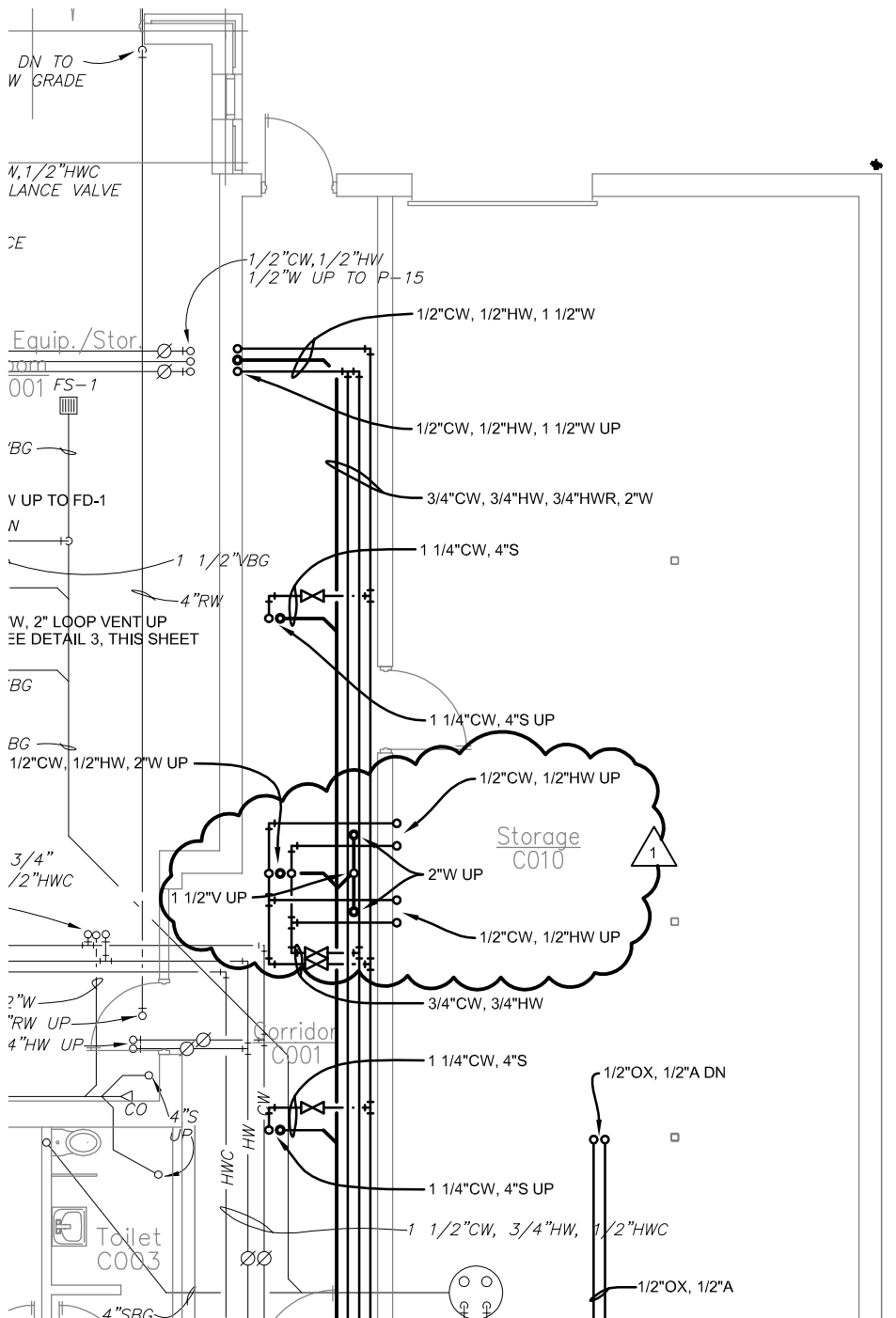
Drawing Title
**FLOOR PATTERN
 DIMENSIONS CORRIDOR
 B207**

From Sheet: I-2B for CA use:

Drawing #
 I-2B.1



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	<p>Job # 13-0144</p>			



Basement Level Plumbing Plan - Area B



1

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

1 07/24/14 Revision per Toilet Rooms B145/B146 Layout Changes.



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Client Information
**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
 Remodel**

Job # 13-0144

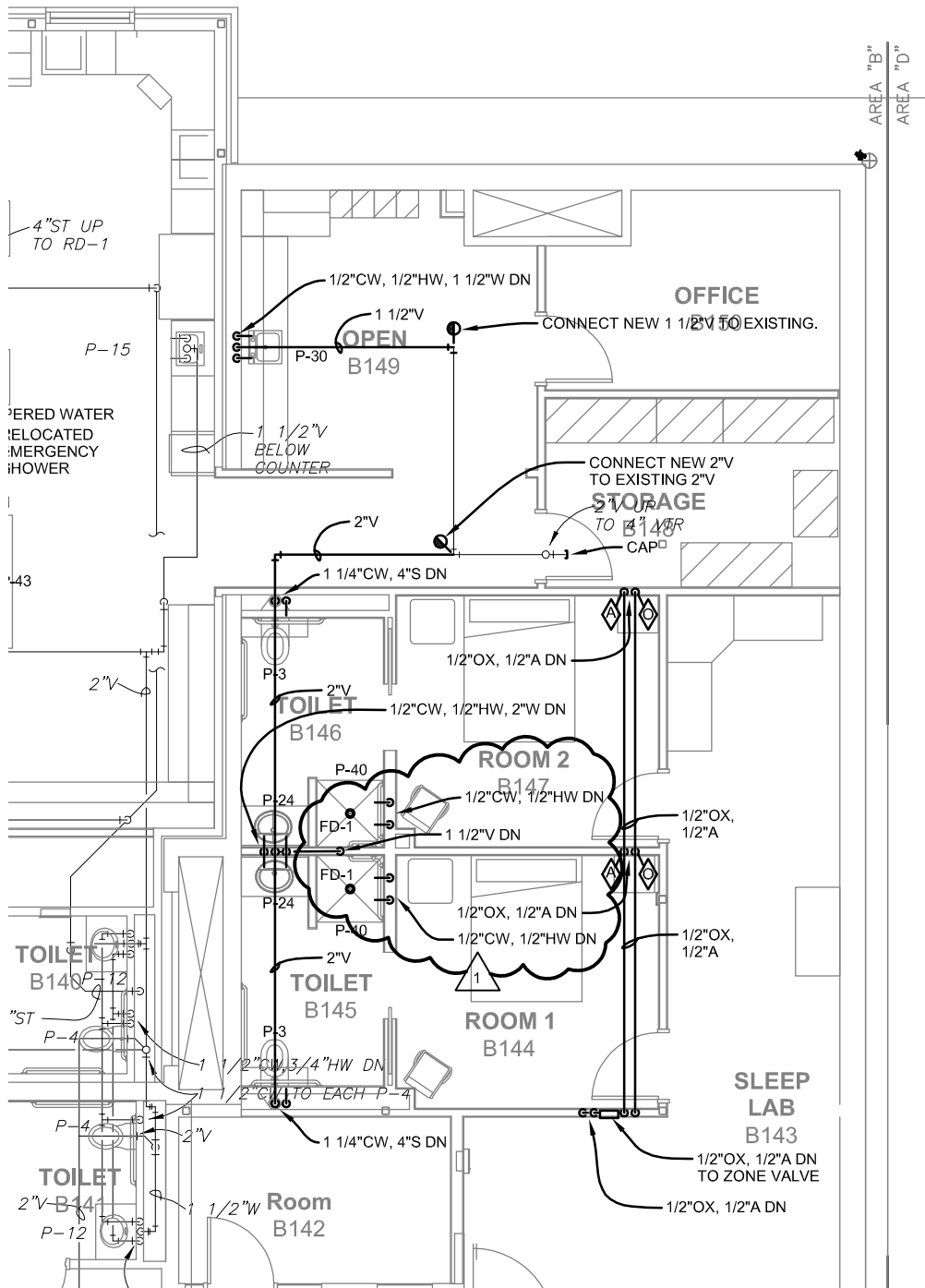
Issue Date	07-16-2014
Job #	13-0144
Drawn by:	rpm
CADD file:	M1-1B.dwg

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Drawing Title
**Basement Level Plumbing Plan
 - Area B**

From Sheet: for CA use:

Drawing #
M1-0B.1



1

First Level Plumbing Plan - Area B

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

1 07/24/14 Revision per Toilet Rooms B145/B146 Layout Changes.



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**Memorial Health
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300 N. Columbia Avenue
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Project Information
**2014 Addition and
 Remodel**

Job # 13-0144

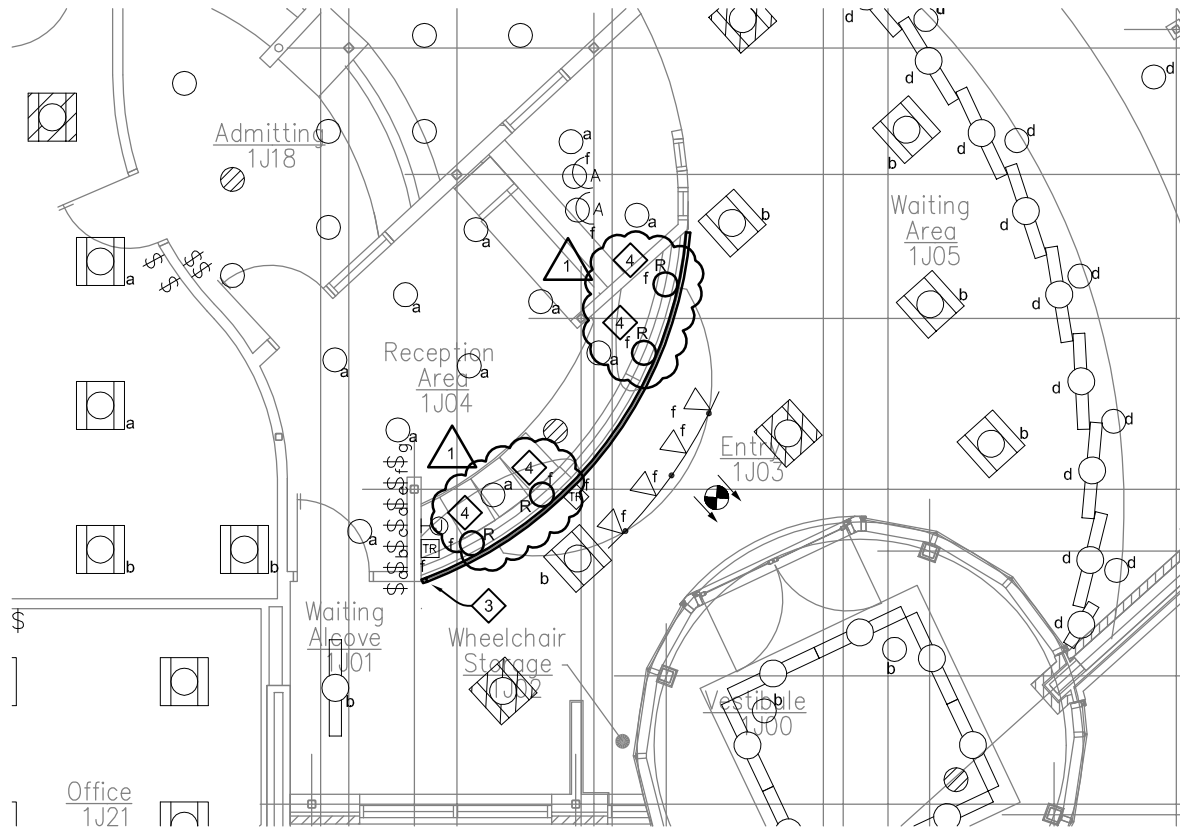
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Job #	13-0144
Drawn by:	rpm
CADD file:	M1-1B.dwg

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Drawing Title
**First Level Plumbing Plan
 - Area B**

From Sheet: for CA use:

Drawing #
M1-1B.1



1

DEMO FIRST LEVEL LIGHTING PLAN - AREA B

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

4 EXISTING "TECH LIGHTING" PENDANT LIGHT FIXTURE IS TO BE REMOVED AND TURNED OVER TO THE OWNER. EXISTING BACK BOX, CIRCUIT, AND SWITCHING IS TO REMAIN. ELECTRICAL CONTRACTOR IS TO COORDINATE INSTALLATION WITH NEW "TECH LIGHTING" LIGHT FIXTURE TO DETERMINE AMOUNT OF EXISTING WIRING, CONDUIT, TRANSFORMERS, AND SWITCHING THAT MAY REMAIN.

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Client Information

**Memorial Health
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300 N. Columbia Avenue
Seward, NE 68434

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Remodel**

Job # 13-0144

Issue Date	07-30-2014
Job #	13-0144
Drawn by:	RRI
CADD file:	

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Drawing Title

**Revised Lighting Plan for
Pendant Fixtures to be
Replaced**

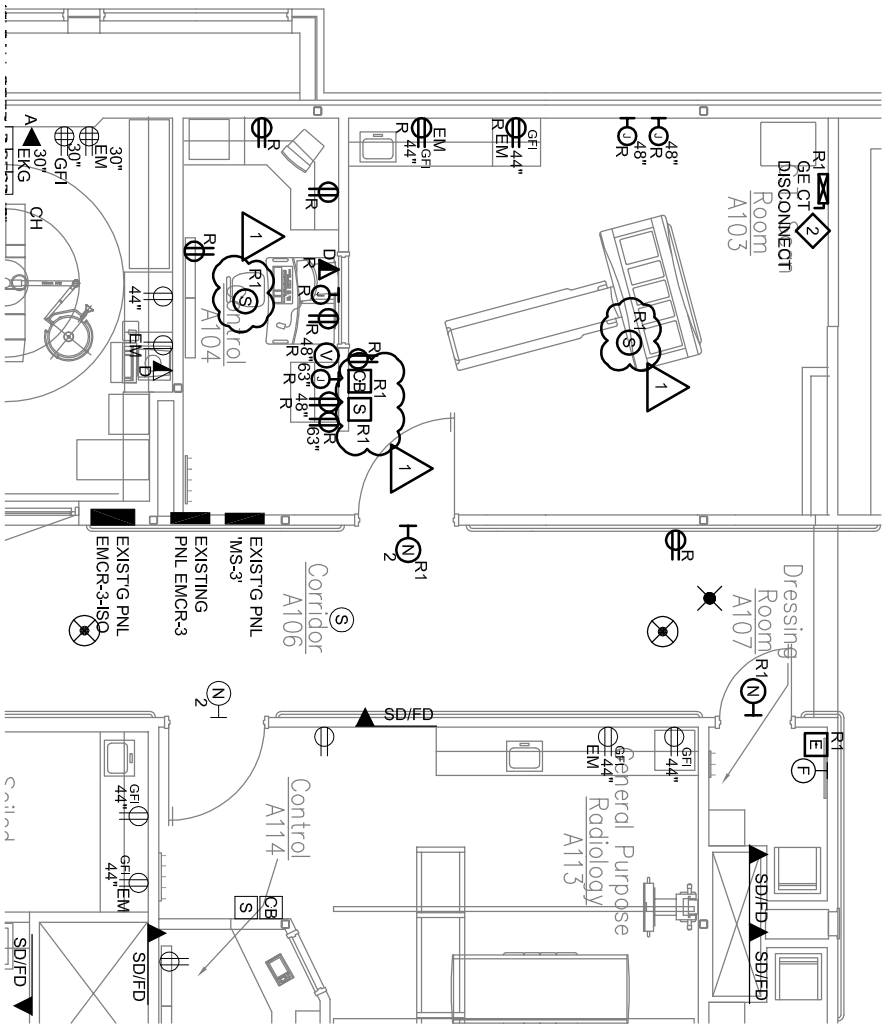
From Sheet: **ED1-1B** for CA use:

Drawing #
ED1-1B.1

1

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

DEMO FIRST LEVEL POWER PLAN - AREA A



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Client Information
Memorial Health
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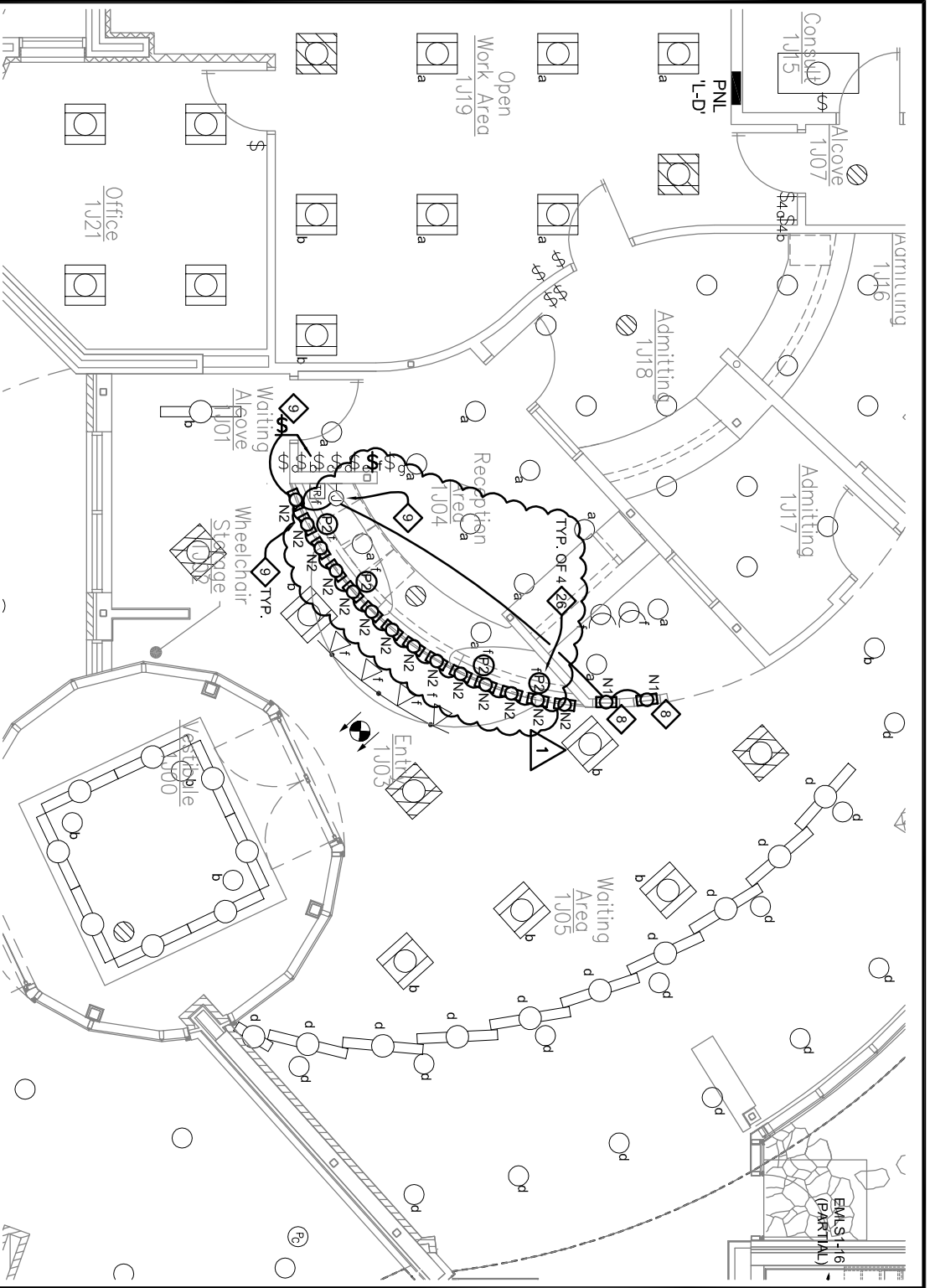
Project Information
2014 Addition and
Remodel

Job # 13-0144

Issue Date	07-30-2014
Job #	13-0144
Drawn by:	RR1
CADD file:	
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Drawing Title
Revised Demolition Power
Plan for Relocated Devices


From Sheet: ED2-1A for CA use:
Drawing # ED2-1A.1




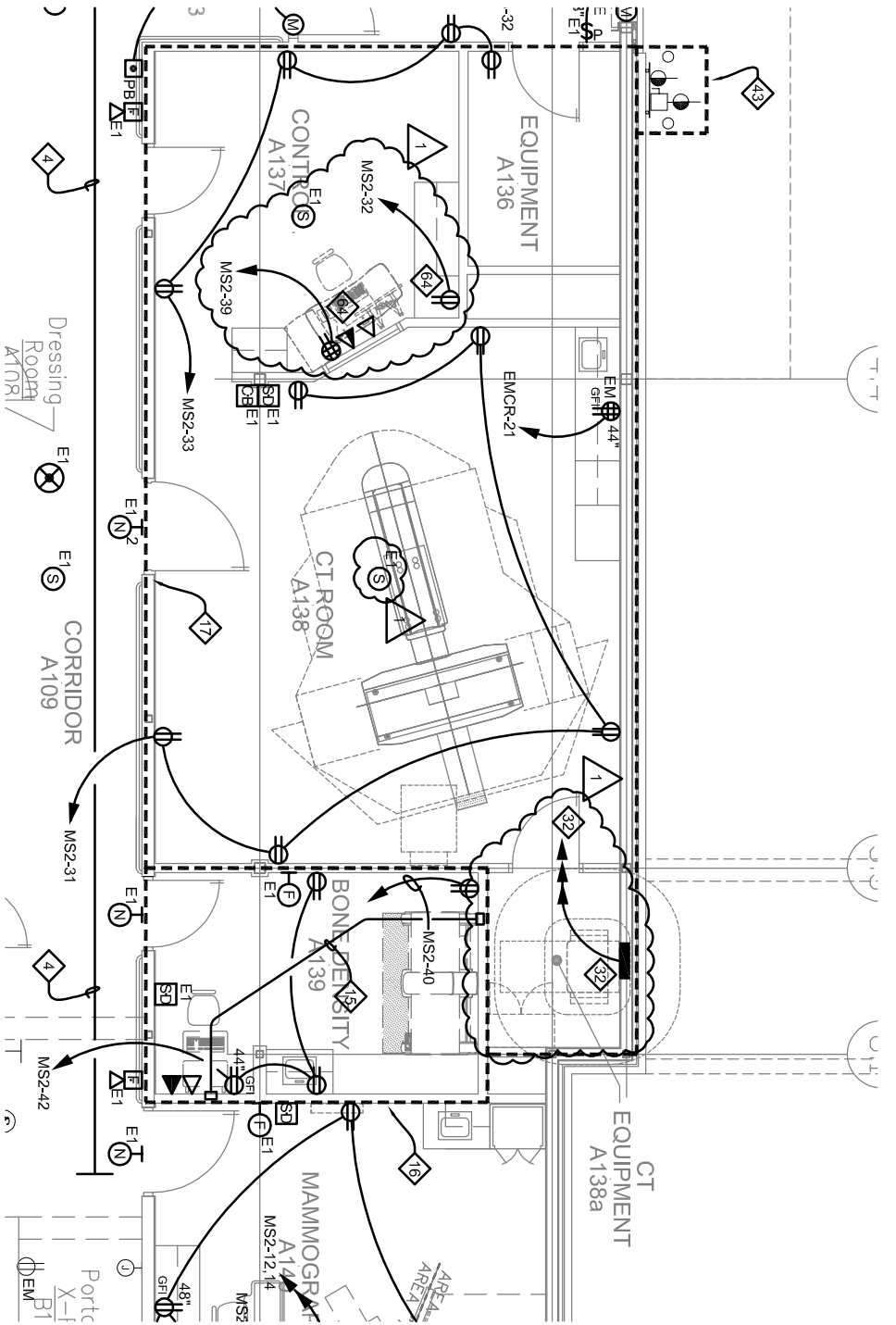
FIRST LEVEL LIGHTING PLAN - AREA B

1

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


 FIXTURE IS TO MOUNT TO EXISTING BACK BOX, CIRCUIT, & LIGHT SWITCH OF PENDANT FIXTURE SHOWN TO BE REMOVED PER DEMOLITION SHEETS. ELECTRICAL CONTRACTOR IS TO INVESTIGATE EXISTING INSTALLATION TO DETERMINE IF NEW FIXTURES ARE ABLE TO CONNECT TO SAME LIGHTING CIRCUIT SERVING EXISTING FIXTURES. IF NEEDED ELECTRICAL CONTRACTOR IS TO PROVIDE ALL NEW CONDUIT AND WIRE REQUIRED TO COMPLETE INSTALLATION IN SAME LOCATION.

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<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p>			<p>Project Information 2014 Addition and Remodel Job # 13-0144 Issue Date 07-30-2014 Job # 13-0144 Drawn by: RRI CADD file:</p>	
<p>From Sheet: E1-1B Drawing # E1-1B.1</p>		<p>for CA use:</p>		
<p>Drawing Title Revised Lighting Plan for Reception</p>				
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1

FIRST LEVEL POWER PLAN - AREA A

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

RECEPTACLES AND DATA JACKS AT CT ROOM CONTROL ROOM ARE TO BE USED FOR CT DEDICATED EQUIPMENT. COORDINATE EXACT DEVICE LOCATIONS WITH GE MEDICAL EQUIPMENT INSTALLERS PRIOR TO ROUGH-IN TO ENSURE EXACT DESIRED LOCATIONS.

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<p>Client Information Memorial Health Care Systems 300 N. Columbia Avenue Seward, NE 68434</p> <p>Project Information 2014 Addition and Remodel Job # 13-0144</p> <p>Issue Date 07-30-2014 Job # 14-0133 Drawn by: RRI CADD file: Copyright © DAVIS DESIGN ALL RIGHTS RESERVED</p> <p>Drawing Title Revised Power Plan for Added CT Equipment Information</p> <p>From Sheet: E2-1A for CA use: Drawing # E2-1A.1</p>				

LIGHTING FIXTURE SCHEDULE

TYPE NO.	DESCRIPTION / SPEC. NO.	LAMPS			VOLT	MOUNTING	NOTES	OTHER
		NO.	WATT	TYPE				
A1	1 x 4 ACRYLIC LENS FIXTURE - GRID LITHONIA #TL4-43L-FW-A12125-D46-LP840-NX	46		4300 LMNS 4000K-82cri	120	RECESSED GRID	D,J	2,3,4,5
A2	2 x 2 ACRYLIC LENS FIXTURE LITHONIA #2TL2-33L-FW-A12125-D38-LP840-NX	38		3300 LMNS 4000K-82cri	120	RECESSED GRID	D,J	2,3,4,5
A3	2 x 4 ACRYLIC LENS FIXTURE LITHONIA #2TL4-46L-FW-A12125-D50-LP840-NX	50		4600 LMNS 4000K-82cri	120	RECESSED GRID	D,J	2,3,4,5
A4	1 x 4 ACRYLIC WET LOCATION FIXTURE LITHONIA #WRT-F-332-A12125-120-GEB10IS	3	32	32W T8 4000K-83cri	120	RECESSED GYP	D,K,L	2,3,4,5
A5	2 x 4 SURGICAL TRAUMA ROOM FIXTURE LITHONIA #2SRH-F-632-FSF-A12125V-MVOLT-GEB10IS-DWAM	6	32	32W T8 4000K-83cri	120	RECESSED GRID	D,K,L	2,3,4,5
A6	1 x 4 ACRYLIC LENS FIXTURE - GYP LITHONIA #TL4-43L-FW-A12125-D46-LP840-NX-DGA14	46		4300 LMNS 4000K-82cri	120	RECESSED GYP CLG	D,J	2,3,4,5
B1	2 x 2 BASKET FIXTURE LITHONIA #2VTL2-33L-ADP-EZ1-LP840	34.5		3900 LMNS 4000K-83cri	120	RECESSED GRID	D,J	2,3,4,5
B6	2 x 2 TROFFER METALUX #22EN-LD1-34-UNV-L835-CD-1-U	35		3424 LMNS 3500K-85cri	120	RECESSED GRID	D,J	2,3,4,5
C1	6" DECORATIVE CAN LIGHT GOTHAM #EVO-41/22-6AR-DLR-MVOLT	39		2200 LMNS 4100k-83cri	120	RECESSED SOFFIT/GRID	D,J	2,3,4,5
C2	8" CAN LIGHT GOTHAM #EVO-41/29-8AR-120	49		2900 LMNS 4100k-83cri	120	RECESSED CEILING/GYP	D,J	2,3,4,5
C3	8" SHOWER CAN LIGHT GOTHAM #EVO-R-41/22-8SFD-120	44		2200 LMNS 4100k-83cri	120	RECESSED SOFFIT/GRID	D,J	2,3,4,5
C4	6" EXTERIOR CANOPY CAN LITHONIA #REAL6D6-MW-ESL-1000L-40K-60SC	11		1000 LMNS 4000K 83cri	120	RECESSED IN CANOPY CLG	D,J	2,3,4,5
G1	4' LED INDUSTRIAL FIXTURE LITHONIA #MSL-4L-MVOLT-LP840	44.4		4100 LMNS 4000K 83cri	120	CHAIN HANG AT 10'-0"	D,H,J	2,3,4,5
G2	4' LED INDUSTRIAL FIXTURE LITHONIA #MSL-4L-MVOLT-LP840	44.4		4100 LMNS 4000K 83cri	120	SURFACE TO STRUCTURE	D,H,J	2,3,4,5
K1	1' LED UNDER CABINET LIGHT FIXTURE PHILIPS #523-000027-72	6		220 LMNS 3000k-85cri	120	UNDER CABINET	D,E,G	1,2,3,4,5
K2	2' LED UNDER CABINET LIGHT FIXTURE PHILIPS #523-000027-73	13		450 LMNS 3000k-85cri	120	UNDER CABINET	D,E,G	1,2,3,4,5
K3	4' LED UNDER CABINET LIGHT FIXTURE PHILIPS #523-000027-74	25		862 LMNS 3000k-85cri	120	UNDER CABINET	D,E,G	1,2,3,4,5
M1	LINEAR RECESSED FIXTURE PINNACLE #EV3A-40-?-G9-UNV-1C-W	6.2/ft		425lmns/ft 4000k-80cri	120	RECESSED CEILING	D,J,N	2,3,4,5
M2	SQUARE PENDANT LINEAR FIXTURE, LUMENPULSE #LLI2P- DL-120-C-DRO40K-RO40K-NO-ACC50-WH-LIT CORNER	14/ft		892lmns/ft 4000k-80cri	120	RECESSED CEILING	D,J	2,3,4,5
M3	2' LINEAR RECESSED FIXTURE PINNACLE #EV3A-40-2-G9-UNV-1C-W	12.4		850 LMNS 4000k-80cri	120	RECESSED CEILING	D,J	2,3,4,5
M4	SKYLIGHT SQUARE RECESSED FIXTURE, PINNACLE #LLI2R-120-4'- 4000K-BAYLIGHT HARVEST SENSOR, 8FC, SPL, CUSTOM MOUNTING WITH LIT CORNERS	100		6800 LMNS 4000k-82cri	120	CUSTOM MNT IN SKYLIGHT SURROUND	D,J	2,3,4,5
N1	LED ACCENT LIGHT STRIP - ECOSENSE #HPIS-12-40-120-120- INT-A-MNT-ADJ-HPI-A-FRLS-12-INT3P-A-LDR-120-10	9		744 LMNS 4000k-80cri	120	SURFACE IN POCKET	D,E,G,J	2,3,4,5
N2	CURVED LED ACCENT LIGHT STRIP ECOSENSE #SCIS-12-40-120-CL/SC/A-MNT-ADJ	3.5		278 LMNS 4000k-80cri	120	SURFACE IN DESK	D,E,G,J	2,3,4,5
N3	LINEAR WALL WASH PINNACLE ARCH #EV3WW-40-4-G1G-UNV-1C-W	23.5		1188 LMNS 4000K-82cri	120	RECESSED CEILING	A,D G,J	2,3,4,5
N4	CEILING FAN BIGASS FANS #K3150-SQ-WHITE	21.4			120	CEILING SURFACE	D,G,F	
N5	LINEAR WALL WASH PINNACLE ARCH #EV3WW-40-4-FLF-UNV-1C-W	23.5		1188 LMNS 4000K-82cri	120	RECESSED GYP CLG	A,D G,J	2,3,4,5
P1	PENDANT FIXTURE LITHONIA #MDPC-BNF-DSCL-1010	9.5		274 LMNS 3000k-80cri	120	CEILING PENDANT	D,E G,J	2,3,4,5
P2	RECEPTION PENDANT FIXTURE TECH LIGHTING #700-FJ-ALI-W-S-LED	6		300 LMNS 3000k-85cri	12	CEILING PENDANT	D,E G,J	2,3,4,5
S1	SINK VANITY FIXTURE OXYGEN #3-5134-24-4000k	29.1		4584 LMNS 4000k-80cri	120	SURFACE WALL @ 6'-10"	A,Q G,J	2,3,4,5
S2	STAIRWELL FIXTURE LITHONIA #WL4-41L-D43-LP840-N80EMG-MES7-DIM10	43		4100 LMNS 4000k-70cri	120	SURFACE WALL @ 9'-0"	A,D,J,O	2,3,4,5
S3	EXTERIOR WALL PACK LITHONIA #TWR1-LED-1-40K-MVOLT-PE	33		2161 LMNS 4000k-70cri	120	SURFACE WALL @ 9'-0"	A,D,J	2,3,4,5
S4	UTILITY SHAFT WALL PACK LITHONIA #WL2-12L-D13-LP840-NX	13		1200 LMNS 4000k-82cri	120	SURFACE WALL	A,D,J,Q	2,3,4,5
U1	EXTERIOR POLE PARKING LOT LIGHT, LITHONIA #CSX1- LED-60C-1000-40K-T4M-MVOLT-SPA-DBBX	209		18658 lmns 4000k-70cri	120	POLE MOUNTING	D,M	2,3,4,5
U2	EXTERIOR 25" POLE VALMONT #DS220-S600A250-D1-FP-DB					ON POLE BASE	D,M	
V1	EXTERIOR BOLLARD LITHONIA #DSXB-12C-700-40K-ASY-MVOLT-DMG-DNAXD	31		1588 LMNS 4000k-70cri	120	FLUSH IN GRADE	D,J	2,3,4,5
V2	EXTERIOR PATH LIGHT WINSCAPE #TILED-3027-12V-SIS-FO-T1-PM1-STD	6		300 LMNS 5000k-70cri	120	RECESSED FLUSH IN WALL	D,J	2,3,4,5
W1	CANOPY LIGHT AMETRIX #WL-IN-N-BO3-A1-40-UNV-S-RC-D10	70		6000 LMNS 4000K 85cri	120	SURFACE OF CANOPY 13" AFF	A,D,J	1,2,4,5
X1	EXIT SIGN LITHONIA #LHQM-LED-R			FURNISHED WITH FIXTURE	120	SURFACE WALL/CEILING	A,B,C,D	2,3,4,5
1	RELOCATED 2X2 BASKET FIXTURE FROM CORRIDOR			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
2	RELOCATED 2X2 BASKET FIXTURE FROM CT ROOM			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
3	RELOCATED 2X2 ACRYLIC LENS FLUORESCENT FIXTURE			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
4	RELOCATED 2X4 ACRYLIC LENS FLUORESCENT FIXTURE FROM MAMMOGRAM ROOM			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
5	RELOCATED CAN LIGHT			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
6	RELOCATED 2' UNDERCABINET LIGHT FIXTURE			VERIFY ACTUAL LAMPING REQUIRED	120	UNDER CABINET	D,K,L,P	
7	RELOCATED 4' UNDERCABINET LIGHT FIXTURE			VERIFY ACTUAL LAMPING REQUIRED	120	UNDER CABINET	D,K,L,P	
8	RELOCATED EXTERIOR WALL PACK AT MRI DOOR			VERIFY ACTUAL LAMPING REQUIRED	120	SURFACE WALL	D,K,L,P	
9	RELOCATED 2X4 ACRYLIC LENS FLUORESCENT FIXTURE FROM LAB			VERIFY ACTUAL LAMPING REQUIRED	120	RECESSED CEILING	D,K,L,P	
10	RELOCATED "XRAY IN USE" LIGHT			VERIFY ACTUAL LAMPING REQUIRED	120	SURFACE WALL	D,P	
11	RELOCATED 2' UNDERCABINET LIGHT FIXTURE MOUNTED IN CASEWORK TO BE RELOCATED			VERIFY ACTUAL LAMPING REQUIRED	120	UNDER CABINET	D,K,L,P	

OTHER MANUFACTURERS

- 1 LITHONIA
- 2 THOMAS
- 3 COOPER
- 4 HUBBEL
- 5 LIGHTOLIER

NOTES:

- A. CONTRACTOR TO PROVIDE BACKING FOR ALL WALL MOUNTED FIXTURES.
- B. MOUNT FIXTURE ABOVE DOOR.
- C. MOUNT DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS
- D. CONTRACTOR TO VERIFY LIGHT FIXTURE INSTALLATION REQUIREMENTS
- E. PROVIDE ALL ASSOCIATED JUMPER WIRES, JUNCTION BOXES, AND ANY ADDITIONAL RACEWAY AS REQUIRED TO PROVIDE COMPLETE INSTALLATION IN EACH LOCATION AS SHOWN.
- F. SUPPLY FAN WITH WHITE MOTOR ASSEMBLY AND WHITE AIRFOILS. SUPPLY WITH OPTIONAL WALL CONTROLLER TO CONTROL UP TO THREE FANS. OPTIONAL LIGHT KIT IS NOT NEEDED.
- G. ALTERNATE FIXTURES NEED TO BE SUBMITTED WITH FIXTURE SAMPLE PRIOR TO APPROVAL.
- H. CHAIN HANG FIXTURE BELOW PIPES AND DUCTS. COORDINATE WITH MECHANICAL CONTRACTOR. SUPPORT FIXTURES FROM STRUCTURE ONLY.
- I. A SAMPLE OF THE GLASS SHADE SPECIFIED MUST BE SUBMITTED BEFORE FIXTURE WILL BE APPROVED.
- J. ALL LED DRIVERS FOR FIXTURE ARE REQUIRED TO BE ISOLATED AND DIMMING. PROVIDE FIXTURE DRIVER INFORMATION TO VERIFY DRIVER SPECIFICATIONS.
- K. ALL FLUORESCENT LAMPS SHALL BE 75 CRI, 4100K.
- L. ALL FLUORESCENT BALLASTS TO BE HIGH FREQUENCY ELECTRONIC INSTANT START AND HAVE LESS THAN 10% THD. AND AN A+ SOUND RATING.
- M. COORDINATE MOUNTING REQUIREMENTS OF POLE AND POLE LIGHT WITH POLE BASE DETAIL 14, SHEET E5-1, AND POLE AND FIXTURE MANUFACTURER PRIOR TO INSTALLATION.
- N. FIXTURES ARE TO BE MOUNTED IN CONTINUOUS VERTICAL STRIPS OF LIGHT. COORDINATE EXACT PART NUMBER OF EACH INDIVIDUAL VERTICAL STRIP OF LIGHT WITH LIGHTING REPRESENTATIVE AND LIGHTING MANUFACTURER TO ENSURE THE LEAST AMOUNT OF FIXTURE JOINTS AS POSSIBLE.
- O. MOUNT STAIRWELL LIGHT FIXTURE AT 9'-0" ABOVE LANDING FLOOR.
- P. FIXTURES NOTED TO BE RELOCATED ARE TO BE REMOVED, RE-LAMPED, RE-BALLASTED, AND STORED AND RELOCATED PER NUMBER DESIGNATION IN FIXTURE TAG.
- Q. MOUNT FIXTURE AT HALFWAY POINT UP UTILITY SHAFT.
- R. FIXTURE IS TO MOUNT TO EXISTING BACK BOX, CIRCUIT, & SWITCH OF PENDANT FIXTURE SHOWN TO BE REMOVED PER DEMOLITION SHEETS. ELECTRICAL CONTRACTOR IS TO INVESTIGATE EXISTING INSTALLATION TO DETERMINE IF NEW FIXTURES ARE ABLE TO CONNECT TO SAME LIGHTING CIRCUIT SERVING EXISTING FIXTURES. IF NEEDED ELECTRICAL CONTRACTOR IS TO PROVIDE ALL NEW CONDUIT AND WIRE REQUIRED TO COMPLETE INSTALLATION IN SAME LOCATION.



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Project Information
**2014 Addition and
Remodel**

Job # 13-0144

Issue Date 07-30-2014

Job # 13-0144

Drawn by: RRI

CADD file:

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Drawing Title
Revised Fixture Schedule for
added "N1" & "P2" Fixture

From Sheet: E6-2

for CA use:

Drawing # E6-2.1